

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093968.D
 Acq On : 28 Mar 2017 3:21
 Operator : SJ/MA
 Sample : I2384-03MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Manual Integrations
 APPROVED

Quant Time: Mar 28 06:50:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.94	152	166399	20.00	ng	-0.01
21) Naphthalene-d8	7.45	136	666307	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	315743	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	570439	20.00	ng	0.00
75) Chrysene-d12	14.67	240	447419	20.00	ng	-0.01
86) Perylene-d12	16.30	264	268409	20.00	ng	-0.01

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System Monitoring Compounds

5) 2-Fluorophenol	4.49	112	1181930	119.97	ng	0.02
7) Phenol-d6	5.55	99	1475049	121.03	ng	0.00
23) Nitrobenzene-d5	6.59	82	1005797	86.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	364291	146.01	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	1825690	88.19	ng	0.00
78) Terphenyl-d14	13.39	244	1602524	80.28	ng	-0.01

3/28/2017 3:43:26 PM

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	174922	36.96	ng	# 82
3) Pyridine	2.89	79	460923	35.73	ng	99
4) n-Nitrosodimethylamine	2.84	42	221336	41.70	ng	89
6) Aniline	5.56	93	100224	5.91	ng	# 1
8) 2-Chlorophenol	5.70	128	486290	44.91	ng	100
9) Benzaldehyde	5.43	77	74195	9.02	ng	97
10) Phenol	5.56	94	529226	38.16	ng	90
11) bis(2-Chloroethyl)ether	5.65	93	470726	43.43	ng	99
12) 1,3-Dichlorobenzene	5.87	146	484847	39.92	ng	100
13) 1,4-Dichlorobenzene	5.96	146	501030	40.73	ng	98
14) 1,2-Dichlorobenzene	6.14	146	537316	47.43	ng	95
15) Benzyl Alcohol	6.10	79	354598	39.75	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.27	45	689626	41.29	ng	96
17) 2-Methylphenol	6.25	107	414348	44.68	ng	96
18) Hexachloroethane	6.53	117	174736	40.41	ng	# 82
19) n-Nitroso-di-n-propylamine	6.43	70	342661	43.75	ng	97
20) 3+4-Methylphenols	6.43	107	514026	45.76	ng	# 68
22) Acetophenone	6.42	105	693503	46.70	ng	# 89
24) Nitrobenzene	6.62	77	509667	44.26	ng	91
25) Isophorone	6.90	82	944125	46.02	ng	95
26) 2-Nitrophenol	6.99	139	277147	50.47	ng	96
27) 2,4-Dimethylphenol	7.06	122	472091	49.89	ng	97
28) bis(2-Chloroethoxy)methane	7.16	93	578932	42.79	ng	98
29) 2,4-Dichlorophenol	7.29	162	438454	49.56	ng	100
30) 1,2,4-Trichlorobenzene	7.38	180	406859	44.65	ng	98
31) Naphthalene	7.47	128	2114780	66.01	ng	100
32) Benzoic acid	7.22	122	324971	51.59	ng	89
33) 4-Chloroaniline	7.55	127	36170	2.79	ng	95
34) Hexachlorobutadiene	7.63	225	202754	43.39	ng	98
35) Caprolactam	7.99	113	131265m	46.53	ng	
36) 4-Chloro-3-methylphenol	8.16	107	465247	50.33	ng	90
37) 2-Methylnaphthalene	8.32	142	1156475	54.15	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.52	216	361609	41.86	ng	99
40) Hexachlorocyclopentadiene	8.52	237	358285	88.64	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
42) 2,4,6-Trichlorophenol	8.67	196	301782	49.38	nq	95	
43) 2,4,5-Trichlorophenol	8.72	196	307233	46.46	nq	96	
45) 1,1'-Biphenyl	8.89	154	1125324	44.19	nq	98	
46) 2-Chloronaphthalene	8.91	162	891342	44.71	nq	95	
47) 2-Nitroaniline	9.04	65	266891	45.13	nq	85	#
48) Acenaphthylene	9.42	152	1420511	42.87	nq	99	mohammad
49) Dimethylphthalate	9.28	163	1085311	48.36	nq	99	
50) 2,6-Dinitrotoluene	9.35	165	248506	48.30	nq	92	
51) Acenaphthene	9.63	154	864971	44.74	nq	99	
52) 3-Nitroaniline	9.54	138	36347	6.02	nq	88	
53) 2,4-Dinitrophenol	9.68	184	278176	99.81	nq	71	# 3/28/2017 3:43:26 PM
54) Dibenzofuran	9.85	168	1244320	47.28	nq	100	
55) 4-Nitrophenol	9.78	139	395589	83.61	nq	70	#
56) 2,4-Dinitrotoluene	9.84	165	314978	48.74	nq	73	#
57) Fluorene	10.27	166	938744	43.01	nq	100	
58) 2,3,4,6-Tetrachlorophenol	10.00	232	238516	52.57	nq	97	
59) Diethylphthalate	10.15	149	1053811	47.50	nq	100	
60) 4-Chlorophenyl-phenylether	10.27	204	395560	42.54	nq	90	
61) 4-Nitroaniline	10.30	138	175767	30.32	nq	95	
62) Azobenzene	10.47	77	996748	47.50	nq	96	
64) 4,6-Dinitro-2-methylphenol	10.34	198	185499	53.10	nq	76	#
65) n-Nitrosodiphenylamine	10.42	169	610798	30.96	nq	97	
66) 4-Bromophenyl-phenylether	10.87	248	254988	45.45	nq	94	
67) Hexachlorobenzene	10.94	284	264475	46.57	nq	92	#
68) Atrazine	11.09	200	111243	18.83	nq	94	
69) Pentachlorophenol	11.19	266	307354	86.95	nq	99	
70) Phenanthrene	11.44	178	1428469	45.02	nq	100	
71) Anthracene	11.51	178	1466197	44.88	nq	99	
72) Carbazole	11.71	167	886018	26.45	nq	98	
73) Di-n-butylphthalate	12.16	149	1636478	46.97	nq	99	
74) Fluoranthene	12.91	202	1477793	45.48	nq	99	
77) Pyrene	13.19	202	1477186	45.49	nq	99	
79) Butylbenzylphthalate	14.00	149	703018	50.81	nq	84	#
80) Benzo(a)anthracene	14.66	228	1205542	46.21	nq	99	
82) Chrysene	14.70	228	1036811	42.82	nq	98	
83) Bis(2-ethylhexyl)phthalate	14.72	149	921886	48.84	nq	99	#
84) Di-n-octyl phthalate	15.47	149	1595705	50.60	nq	97	
85) Indeno(1,2,3-cd)pyrene	17.67	276	844652	40.28	nq	99	
87) Benzo(b)fluoranthene	15.89	252	1013200	61.58	nq	99	
88) Benzo(k)fluoranthene	15.92	252	926133	57.53	nq	96	
89) Benzo(a)pyrene	16.24	252	846726	55.89	nq	97	
90) Dibenzo(a,h)anthracene	17.70	278	716390	55.83	nq	99	
91) Benzo(g,h,i)perylene	18.08	276	681548	52.71	nq	97	

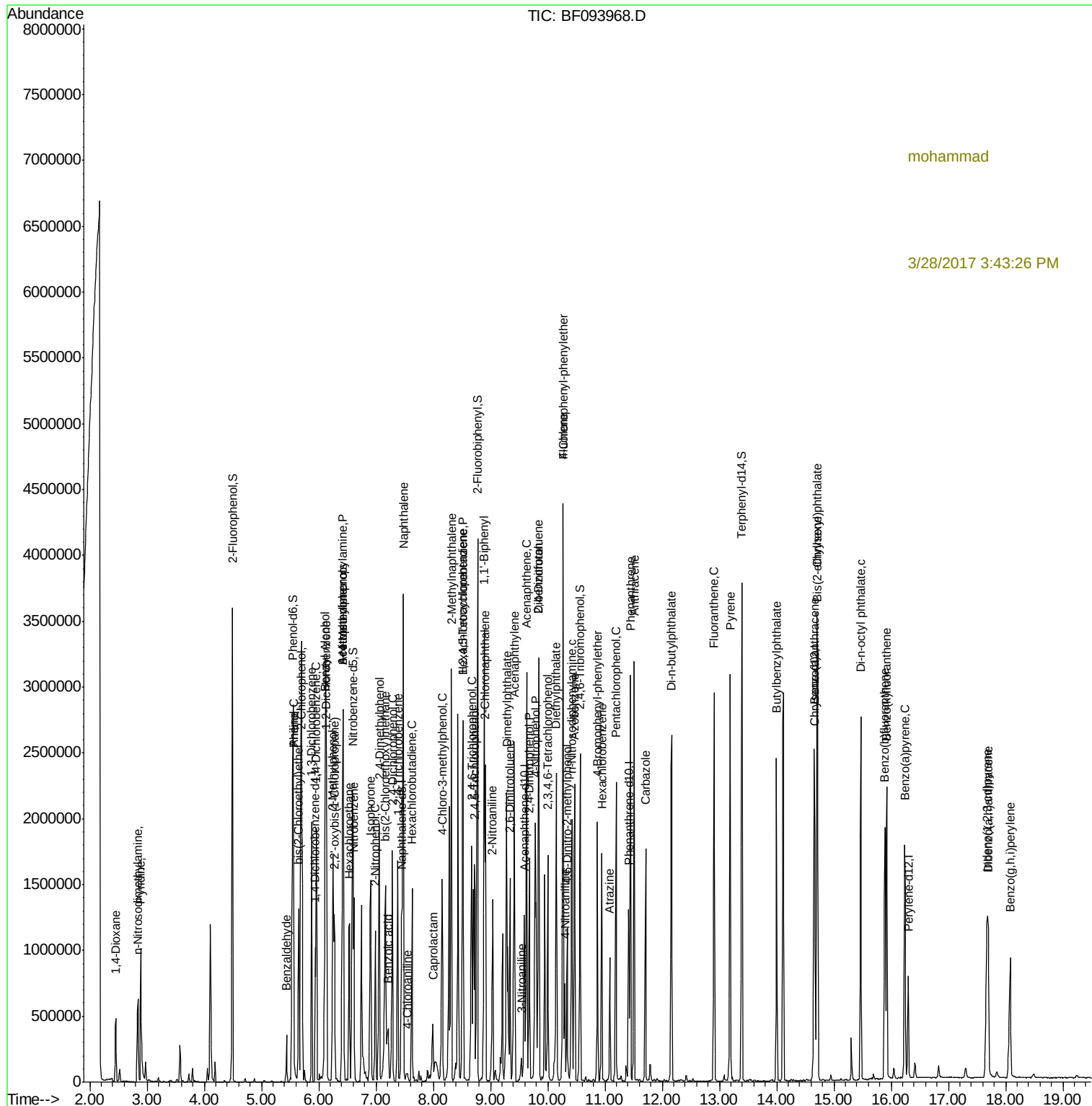
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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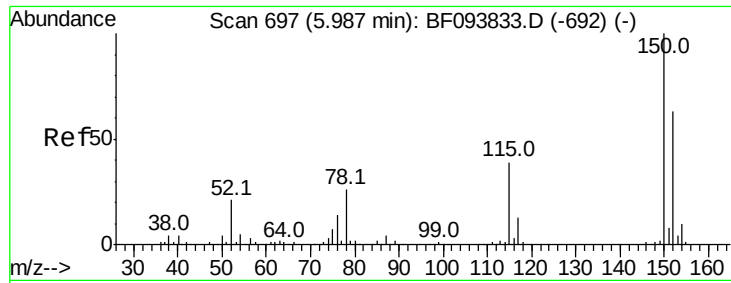
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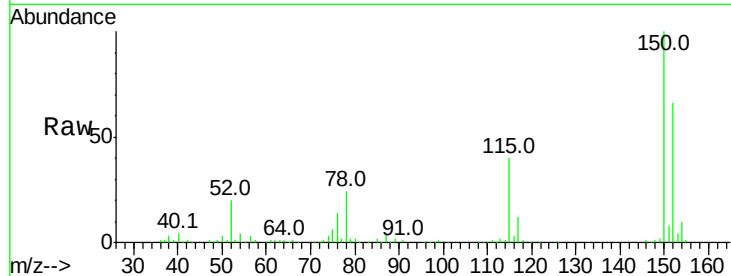
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.94 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

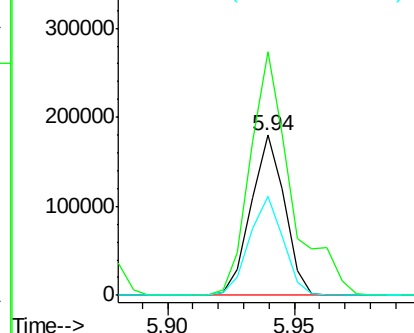
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.2	189.2
115	61.5	52.2	78.2

Manual Integrations
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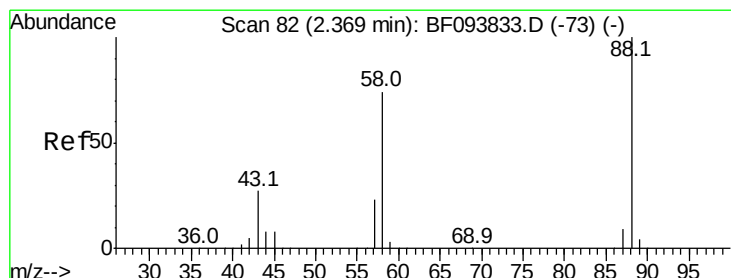
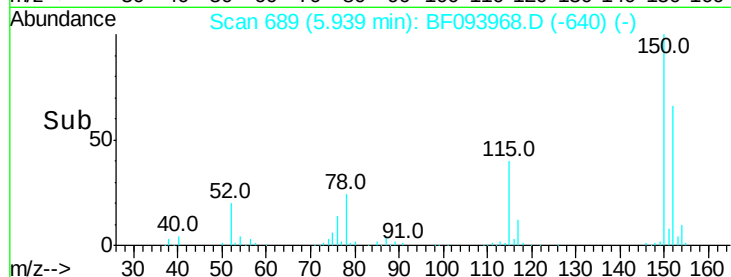


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



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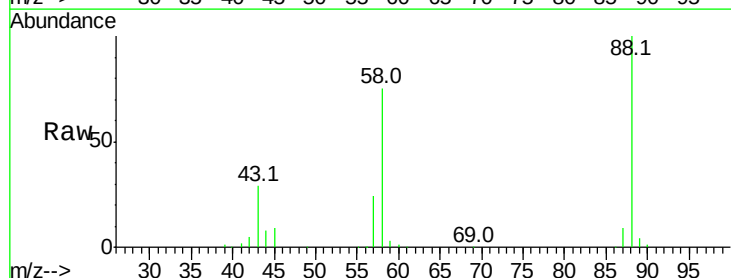
3/28/2017 3:43:26 PM



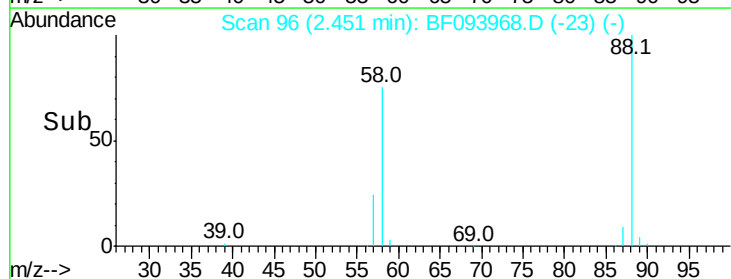
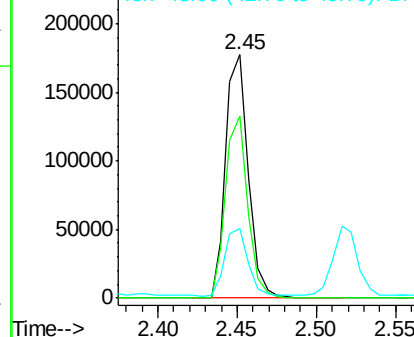
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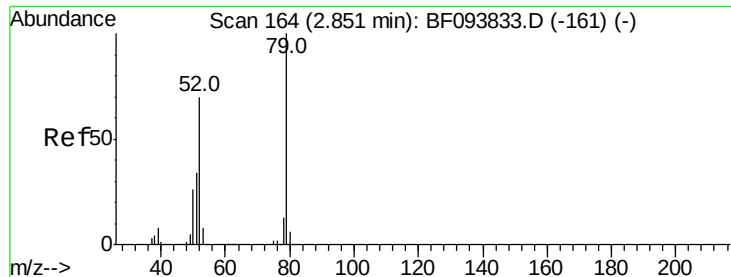
1,4-Dioxane
Concen: 36.96 ng
RT: 2.45 min Scan# 96
Delta R.T. 0.13 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.7	61.4	92.0
43	0.0	23.4	35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 35.73 ng

RT: 2.89 min Scan# 170

Delta R.T. 0.08 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

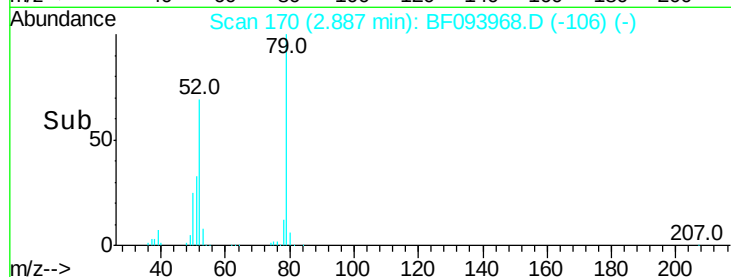
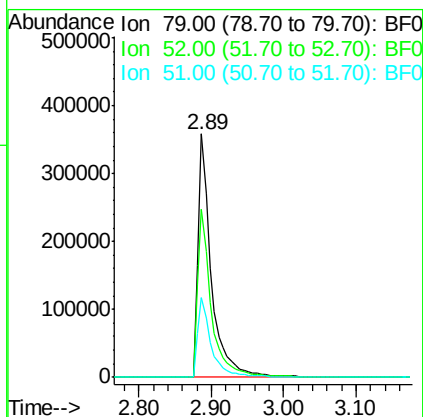
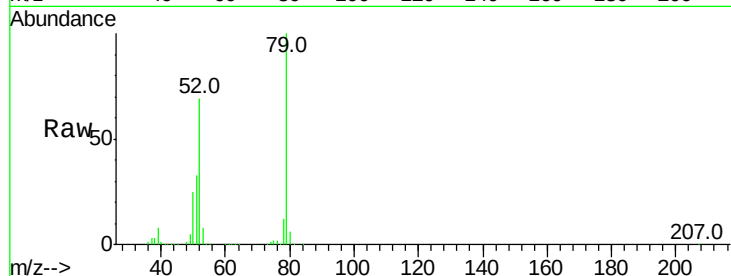
BNA_F

ClientSampleId :

WC-B42-B51-001MSD

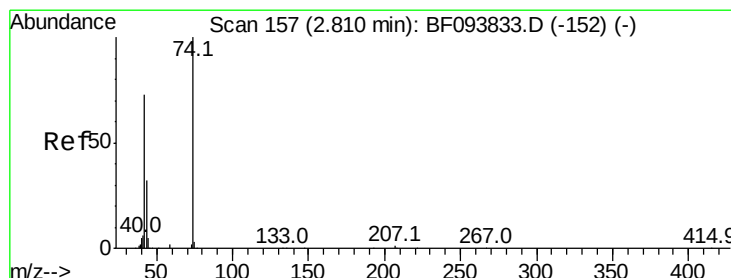
Tot Ion:	79	Resp:	460923
Ion Ratio	Lower	Upper	
79	100		
52	68.9	54.8	82.2
51	32.8	27.0	40.4

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3/28/2017 3:43:26 PM



#4

n-Nitrosodimethylamine

Concen: 41.70 ng

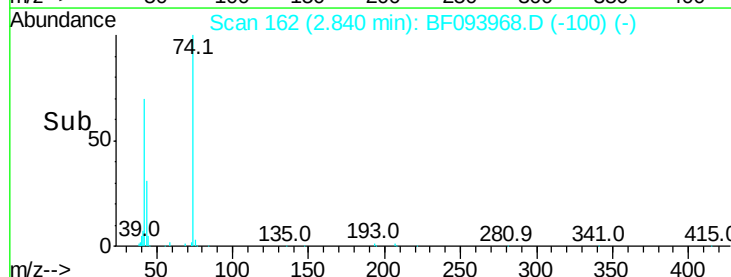
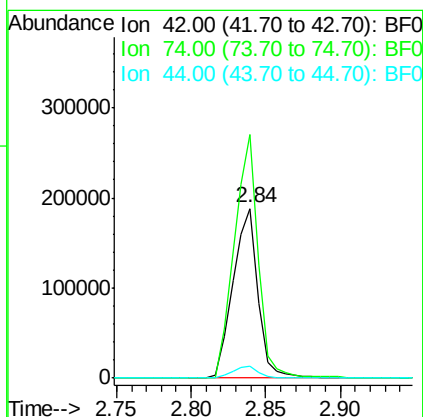
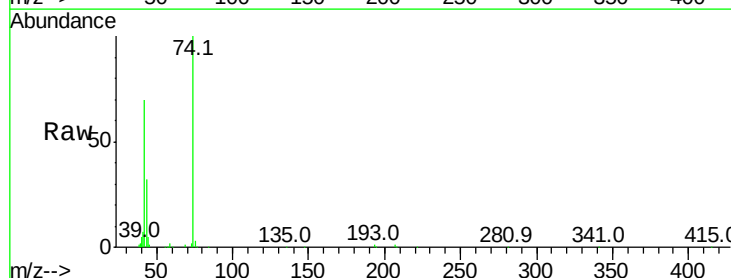
RT: 2.84 min Scan# 162

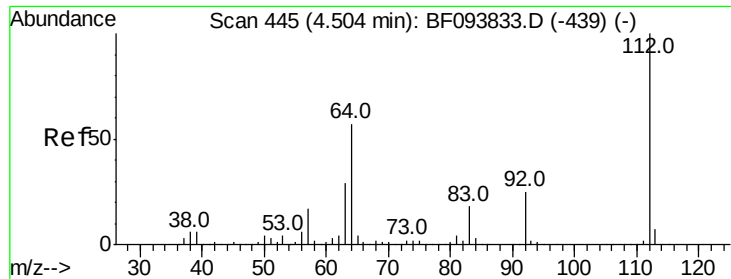
Delta R.T. 0.06 min

Lab File: BF093968.D

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Tgt Ion:	42	Resp:	221336
Ion Ratio	Lower	Upper	
42	100		
74	143.2	103.9	155.9
44	7.1	5.7	8.5





#5

2-Fluorophenol

Concen: 119.97 ng

RT: 4.49 min Scan# 443

Delta R.T. 0.02 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:112 Resp: 1181930

Ion Ratio Lower Upper

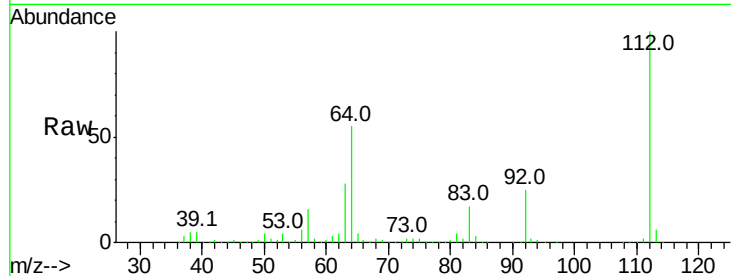
112 100

64 54.7 46.0 69.0

63 27.7 23.4 35.0

Manual Integrations

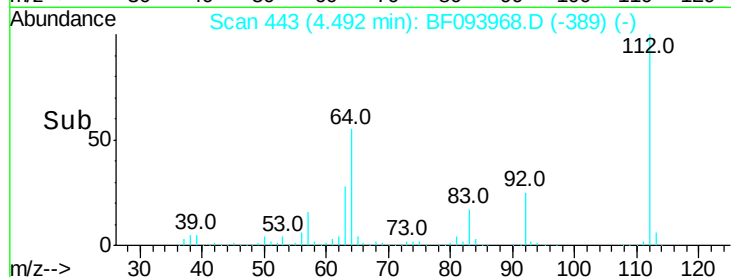
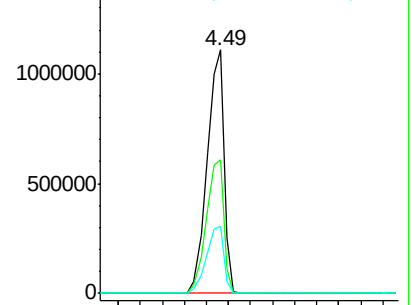
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Abundance Ion 112.00 (111.70 to 112.70): BF093833.D (-439) (-)

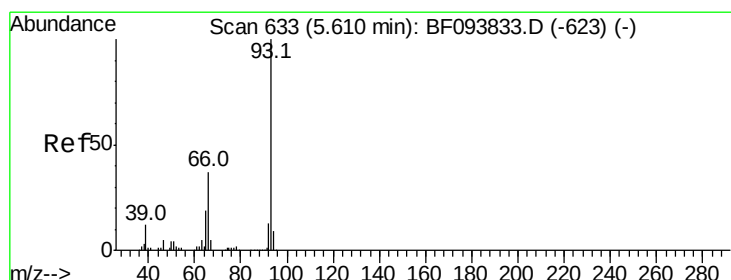
Ion 64.00 (63.70 to 64.70): BF093833.D (-439) (-)

Ion 63.00 (62.70 to 63.70): BF093833.D (-439) (-)



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3/28/2017 3:43:26 PM



#6

Aniline

Concen: 5.91 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

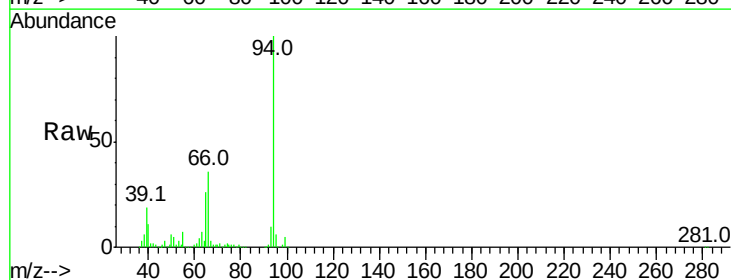
Tgt Ion: 93 Resp: 100224

Ion Ratio Lower Upper

93 100

66 356.8 32.9 49.3#

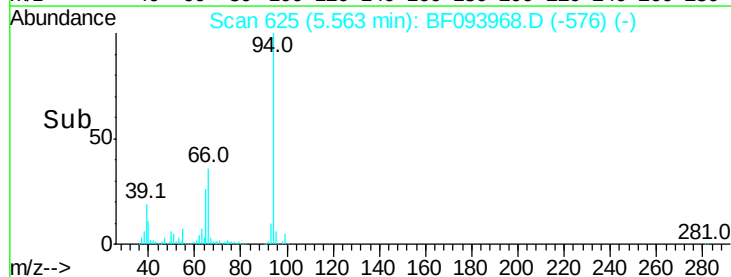
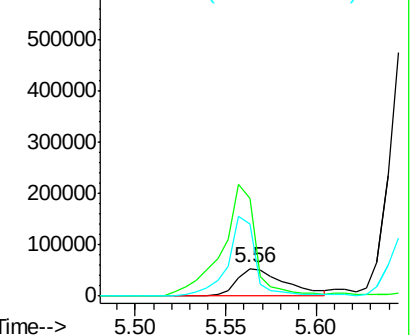
65 263.2 16.0 24.0#

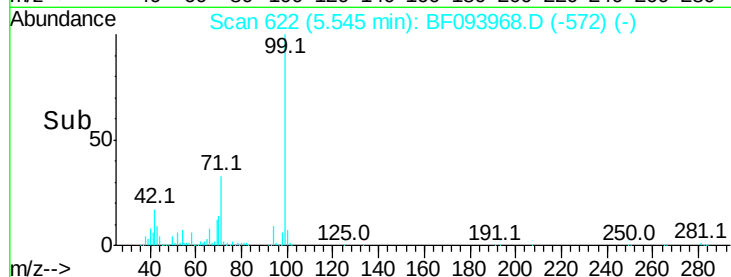
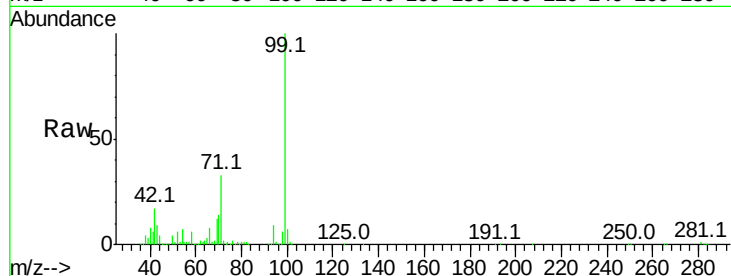
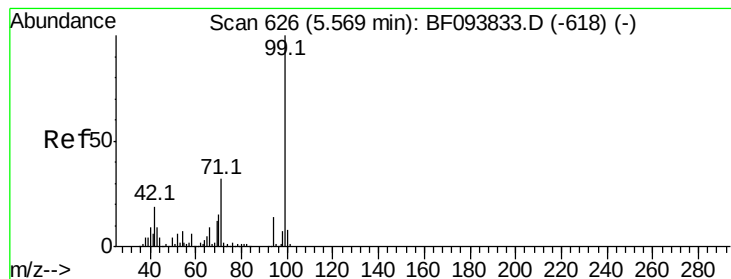


Abundance Ion 93.00 (92.70 to 93.70): BF093833.D (-623) (-)

Ion 66.00 (65.70 to 66.70): BF093833.D (-623) (-)

Ion 65.00 (64.70 to 65.70): BF093833.D (-623) (-)





#7

Phenol-d6

Concen: 121.03 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Tot Ion: 99 Resp: 1475049

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.5	20.3
71	33.2	24.5	36.7

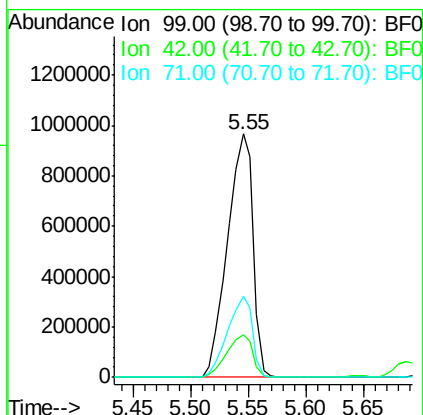
Instrument :

BNA_F

ClientSampleId :

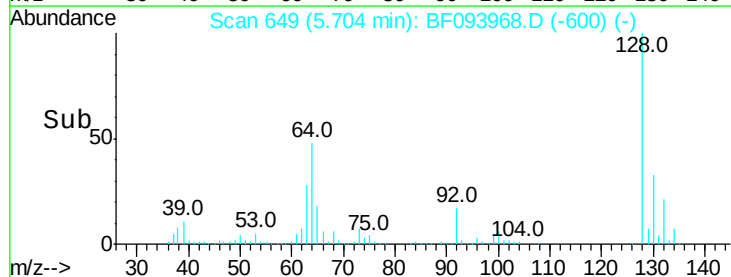
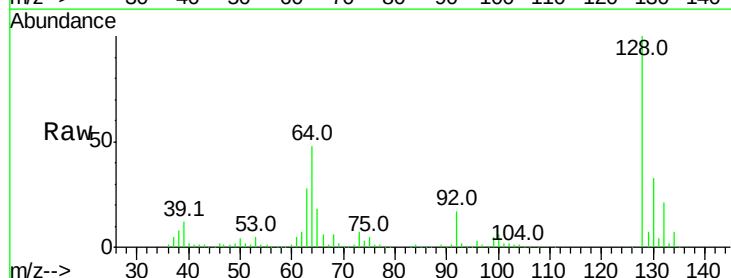
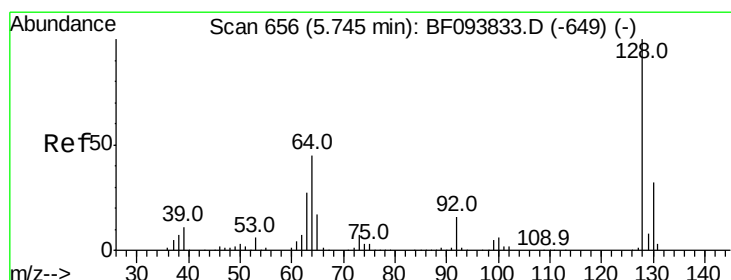
WC-B42-B51-001MSD

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3/28/2017 3:43:26 PM



#8

2-Chlorophenol

Concen: 44.91 ng

RT: 5.70 min Scan# 649

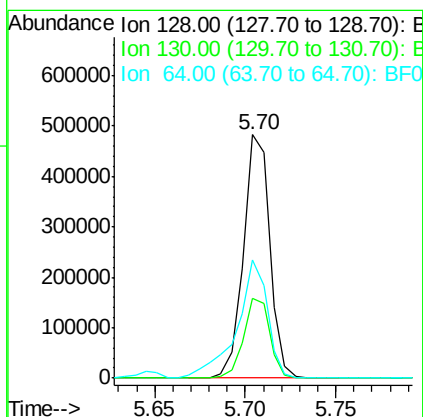
Delta R.T. -0.01 min

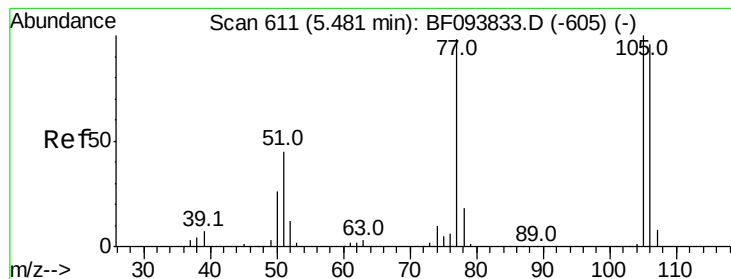
Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Tgt Ion: 128 Resp: 486290

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	48.5	28.4	68.4





#9

Benzaldehyde

Concen: 9.02 ng

RT: 5.43 min Scan# 603

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

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Tot Ion: 77 Resp: 74195

Ion Ratio Lower Upper

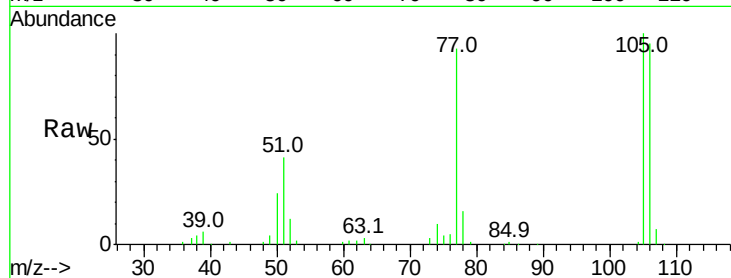
77 100

105 107.2 83.8 123.8

106 101.6 79.1 119.1

Manual Integrations

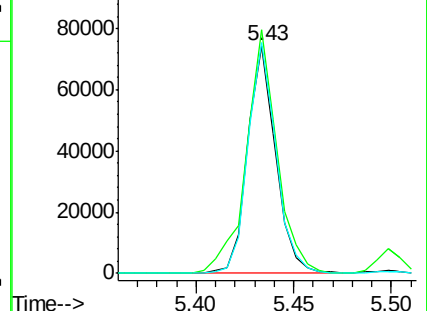
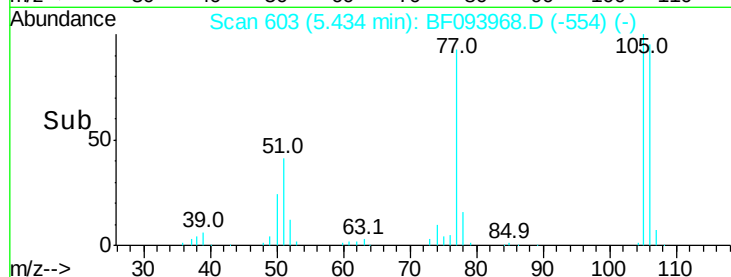
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Abundance Ion 77.00 (76.70 to 77.70): BF0

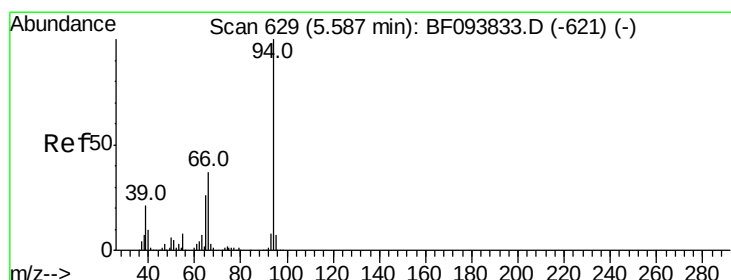
Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



mohammad

3/28/2017 3:43:26 PM



#10

Phenol

Concen: 38.16 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

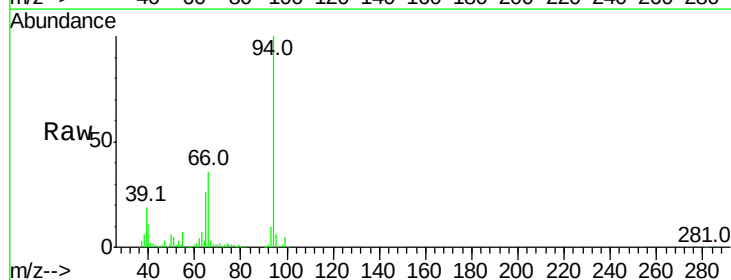
Tgt Ion: 94 Resp: 529226

Ion Ratio Lower Upper

94 100

65 26.2 9.9 49.9

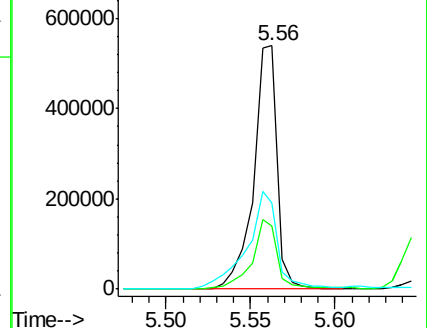
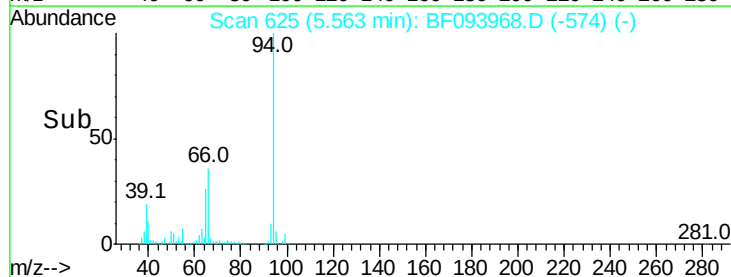
66 35.5 23.1 63.1

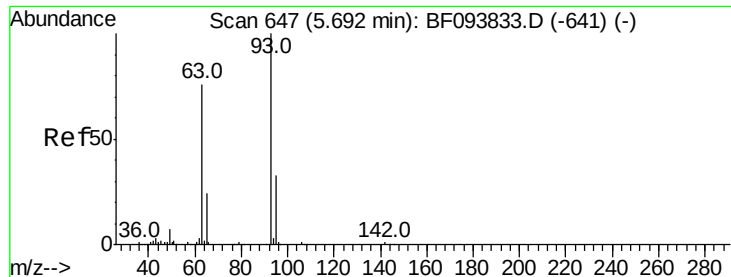


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



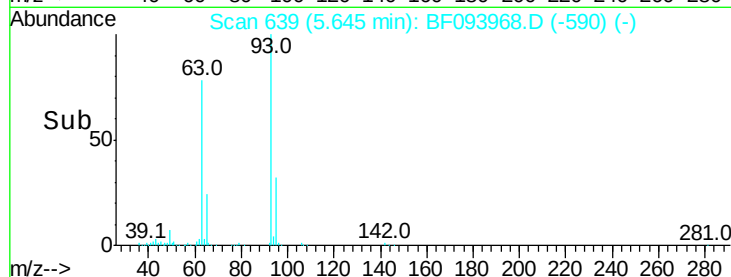
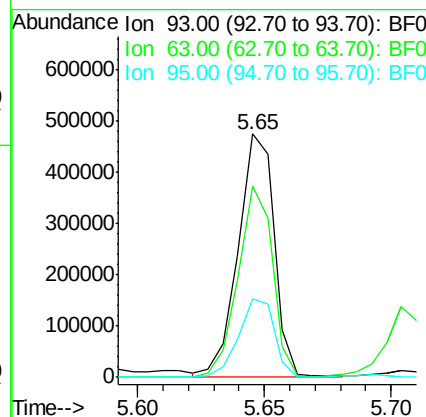
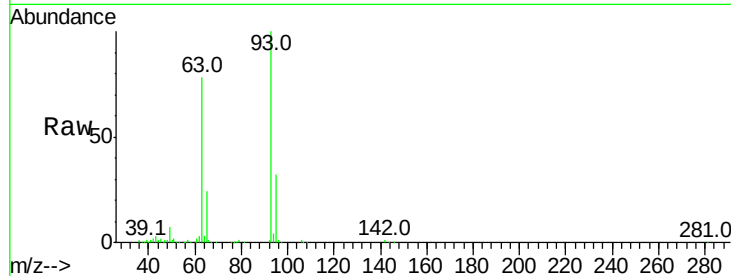


#11
bis(2-Chloroethyl)ether
Concen: 43.43 ng
RT: 5.65 min Scan# 639
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

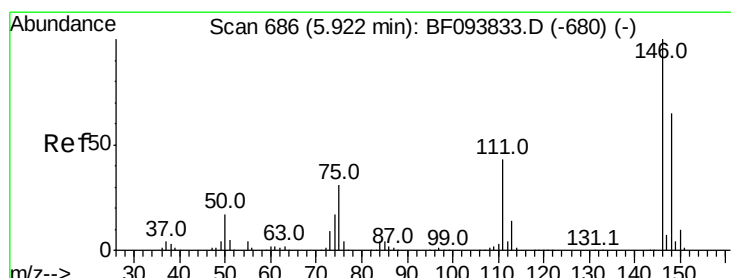
Tot Ion	93	Resp	470726
Ion Ratio	100	Lower	Upper
93	100		
63	78.4	59.2	99.2
95	32.3	12.8	52.8

Manual Integrations
APPROVED



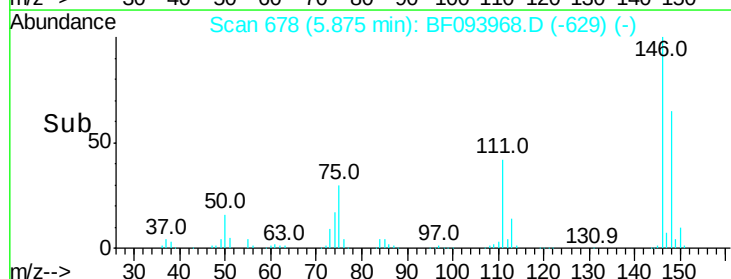
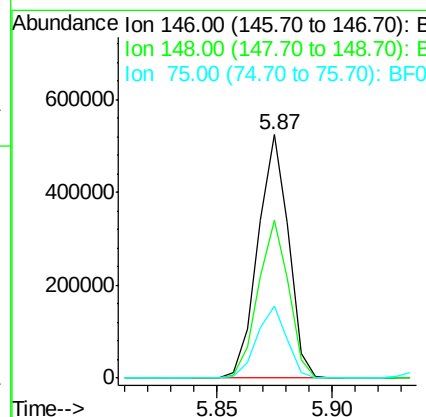
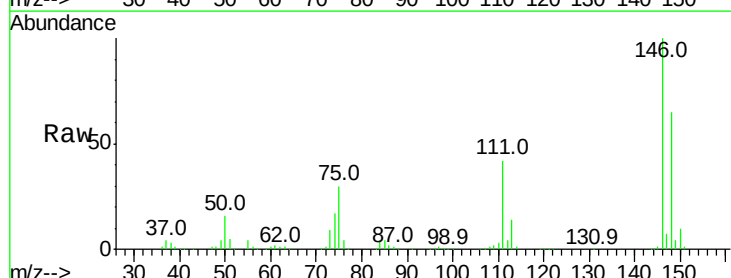
mohammad

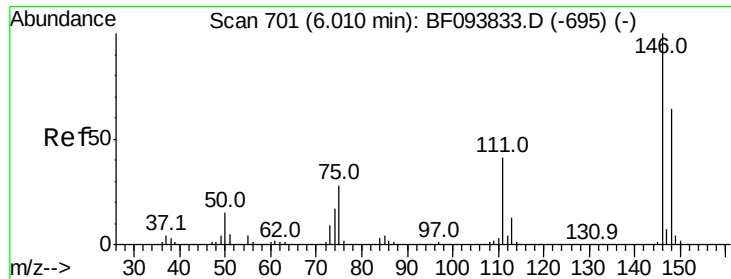
3/28/2017 3:43:26 PM



#12
1,3-Dichlorobenzene
Concen: 39.92 ng
RT: 5.87 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	146	Resp	484847
Ion Ratio	100	Lower	Upper
146	100		
148	64.8	51.8	77.6
75	29.5	23.1	34.7



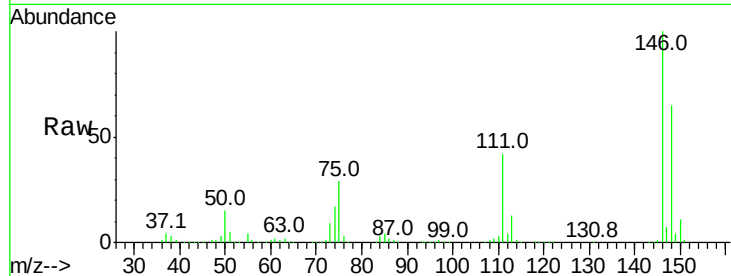


#13
 1,4-Dichlorobenzene
 Concen: 40.73 ng
 RT: 5.96 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

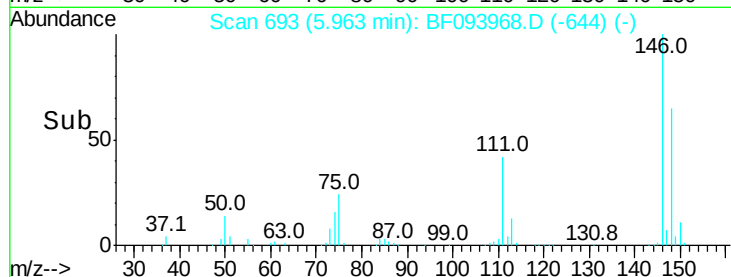
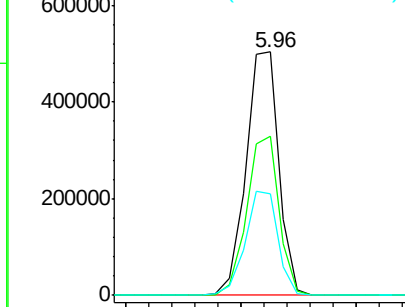
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	42.0	30.3	45.5

Manual Integrations
 APPROVED

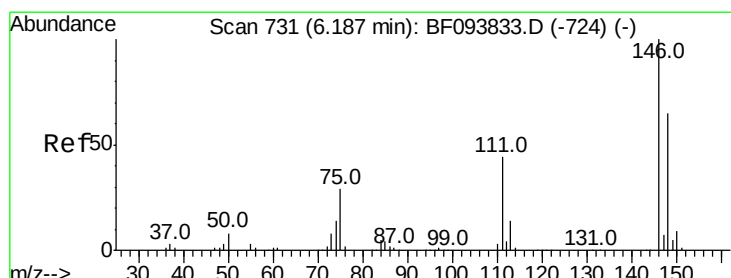


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E



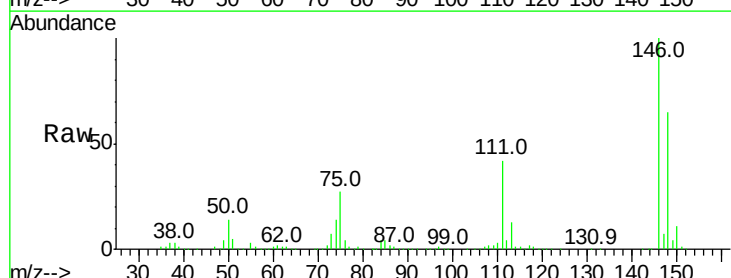
mohammad

3/28/2017 3:43:26 PM

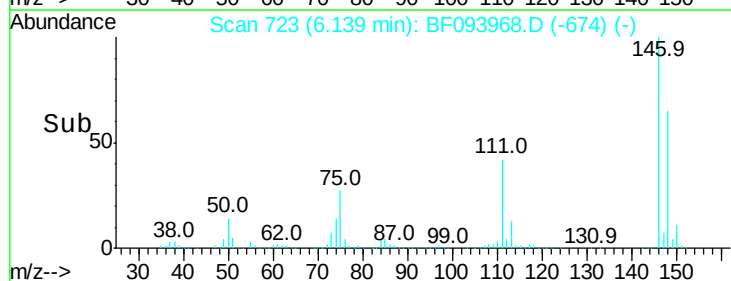
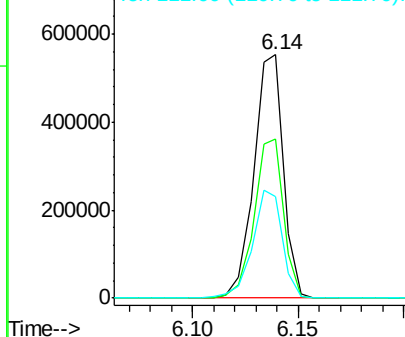


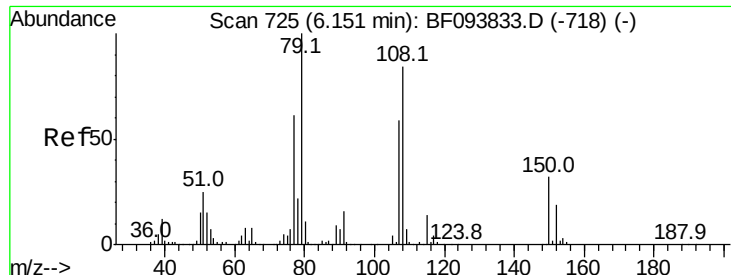
#14
 1,2-Dichlorobenzene
 Concen: 47.43 ng
 RT: 6.14 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.4	75.6
111	41.9	38.2	57.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.75 ng

RT: 6.10 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion: 79 Resp: 354598

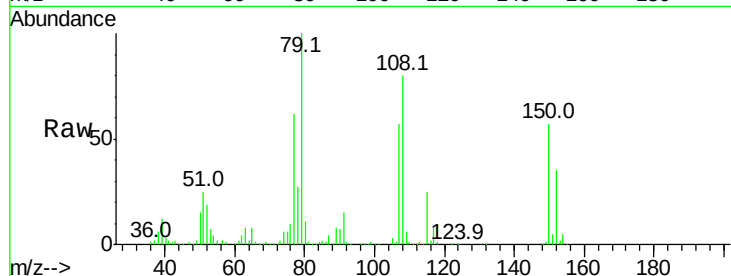
Ion Ratio Lower Upper

79 100

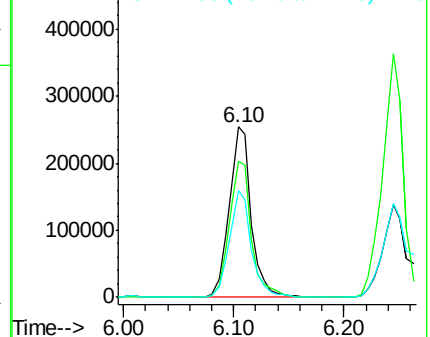
108 80.1 63.4 95.0

77 62.5 49.2 73.8

Manual Integrations
APPROVED

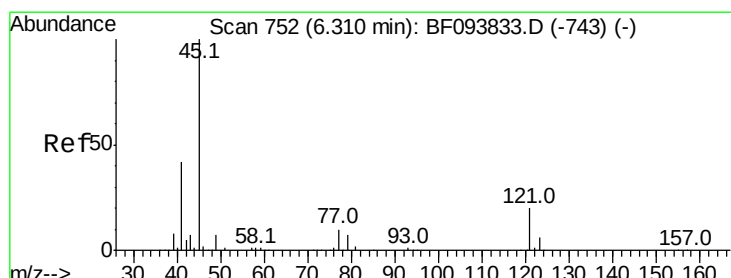
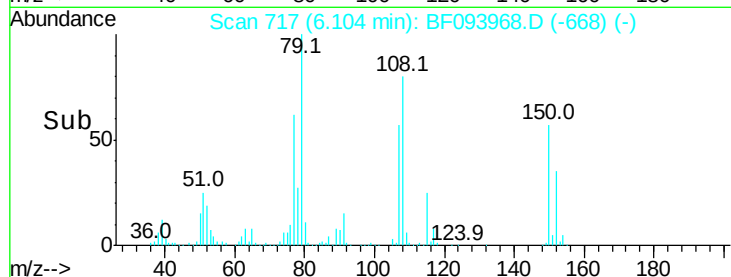


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



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3/28/2017 3:43:26 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.29 ng

RT: 6.27 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

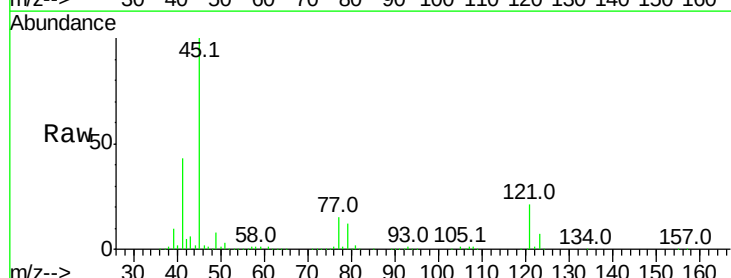
Tgt Ion: 45 Resp: 689626

Ion Ratio Lower Upper

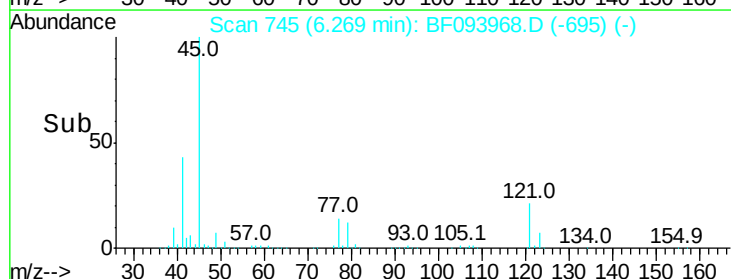
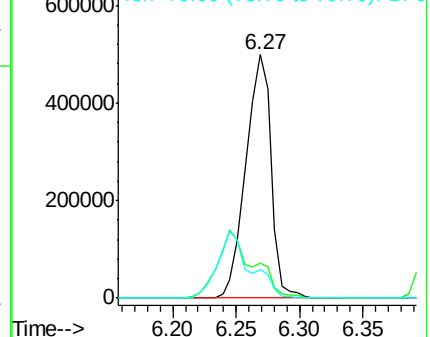
45 100

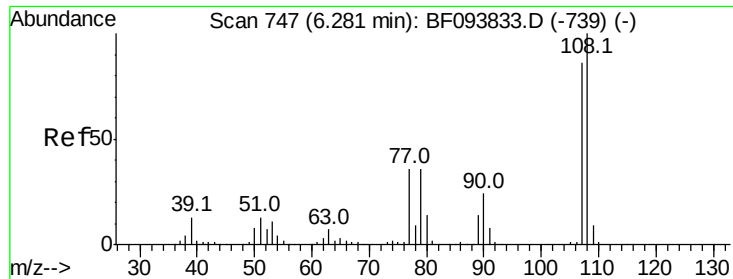
77 14.5 0.0 33.2

79 11.5 0.0 30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



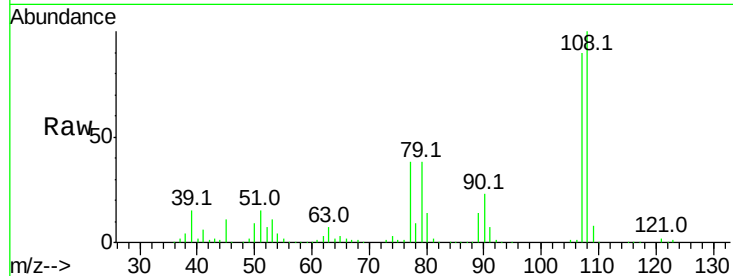


#17
2-Methylphenol
Concen: 44.68 ng
RT: 6.25 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

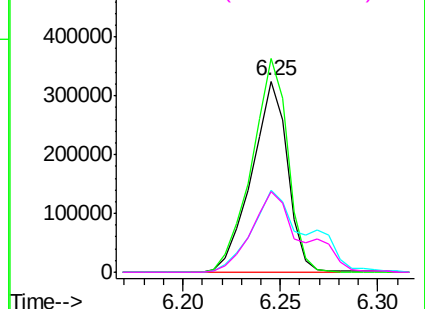
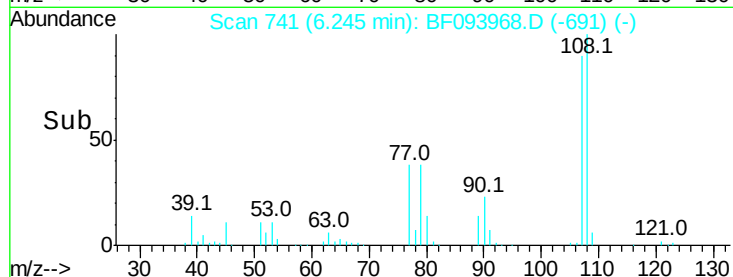
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion	107	Resp	414348
Ion Ratio	Lower	Upper	
107	100		
108	111.7	93.4	140.0
77	42.8	35.8	53.6
79	42.3	34.8	52.2

Manual Integrations
APPROVED

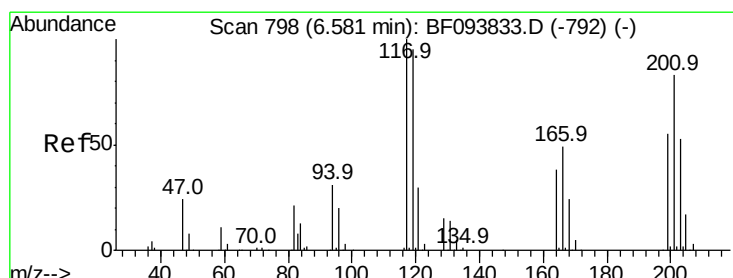


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



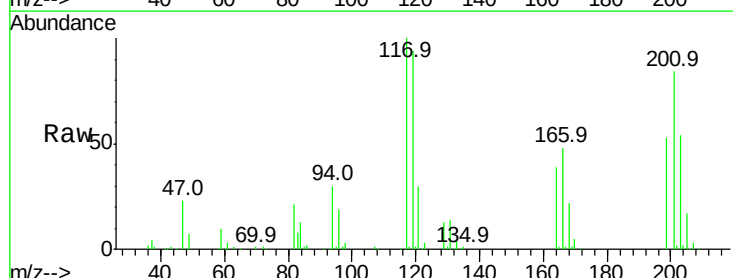
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3/28/2017 3:43:26 PM

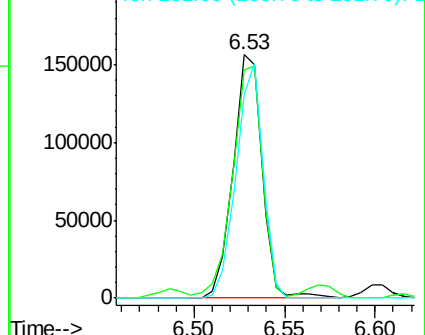
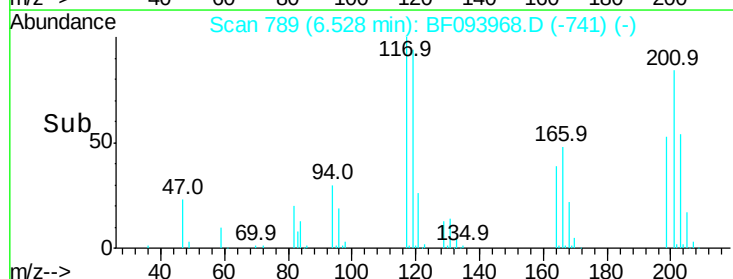


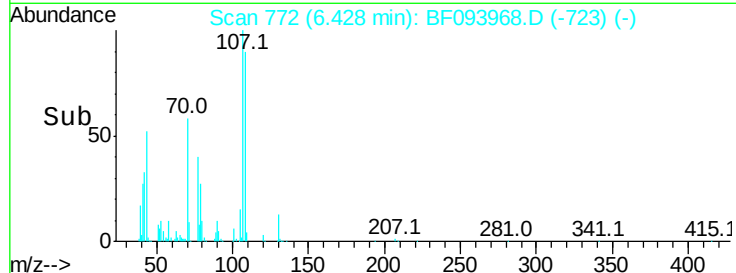
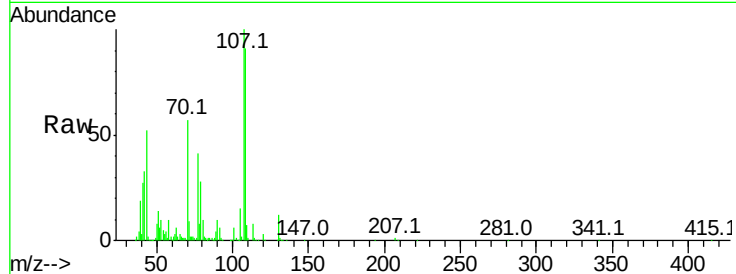
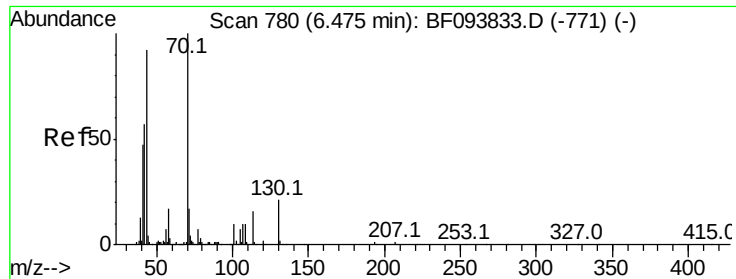
#18
Hexachloroethane
Concen: 40.41 ng
RT: 6.53 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	117	Resp	174736
Ion Ratio	Lower	Upper	
117	100		
119	93.9	77.4	116.0
201	83.8	94.6	141.8#



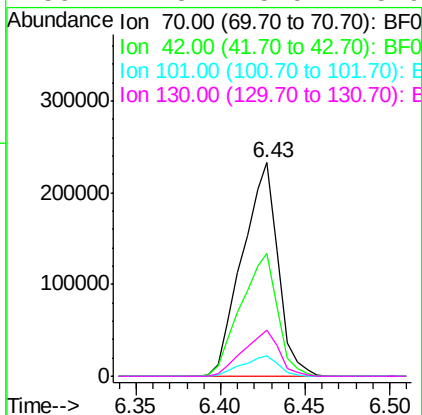
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 43.75 ng
RT: 6.43 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tot Ion	Ratio	Lower	Upper
70	100		
42	57.4	47.2	70.8
101	9.8	7.2	10.8
130	21.8	15.9	23.9

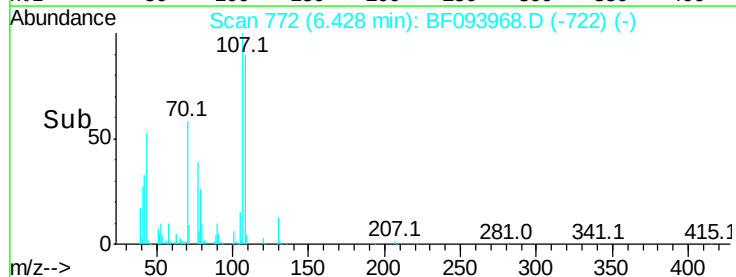
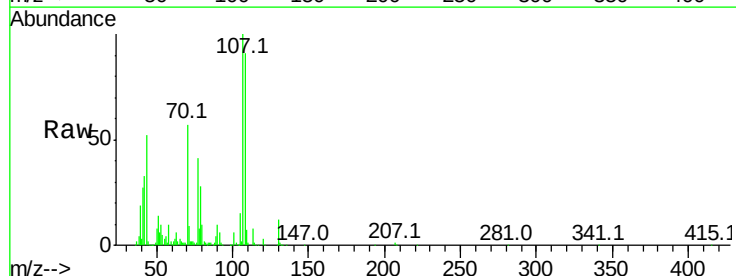
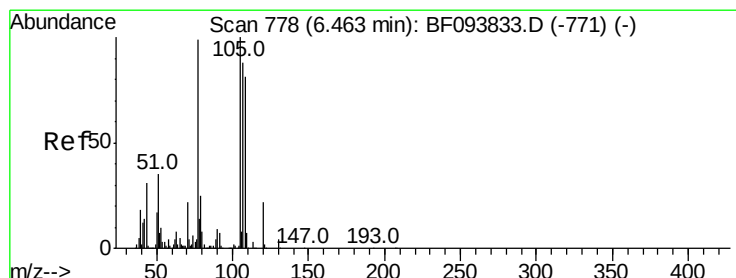


Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Manual Integrations
APPROVED

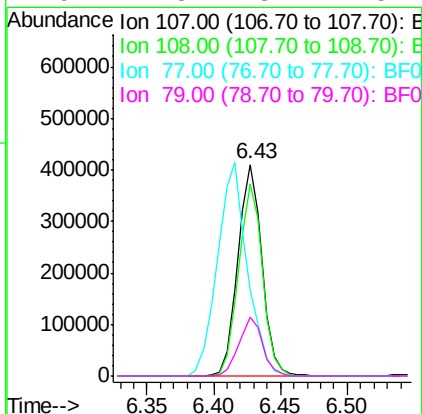
mohammad

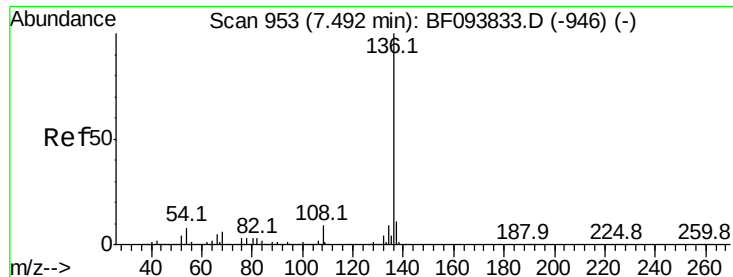
3/28/2017 3:43:26 PM



#20
3+4-Methylphenols
Concen: 45.76 ng
RT: 6.43 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.9	71.0	111.0
77	40.6	90.5	130.5#
79	27.8	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.45 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

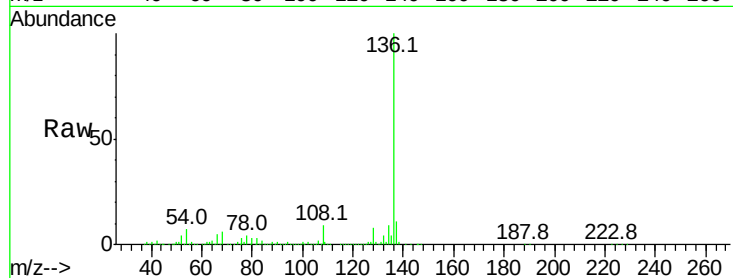
BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	7.3	4.9	7.3	
68	5.7	4.1	6.1	

Manual Integrations
APPROVED



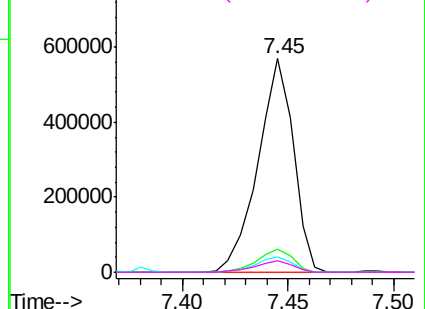
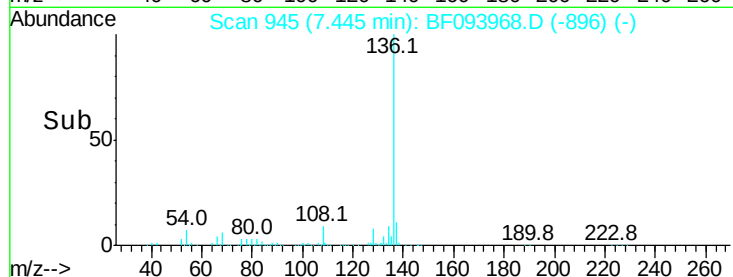
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

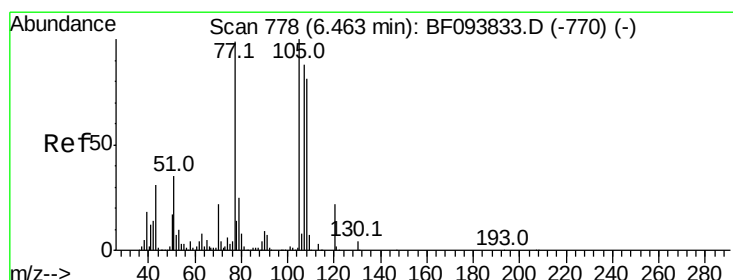
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



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3/28/2017 3:43:26 PM



#22

Acetophenone

Concen: 46.70 ng

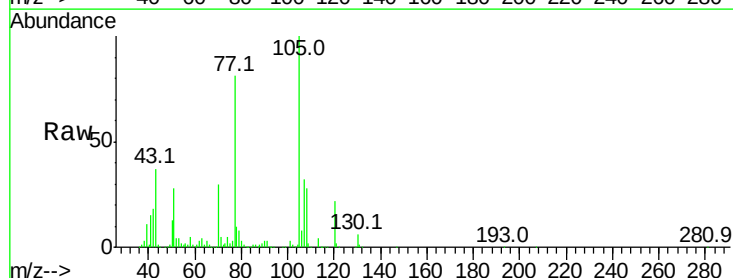
RT: 6.42 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.1	2.8	4.2#	
51	28.0	30.7	46.1#	
120	21.7	17.4	26.0	



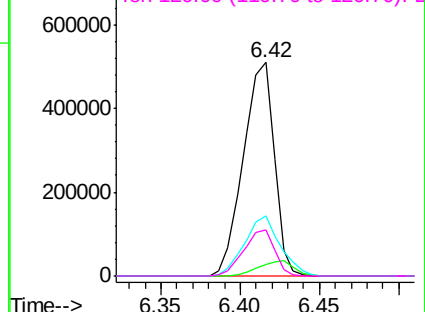
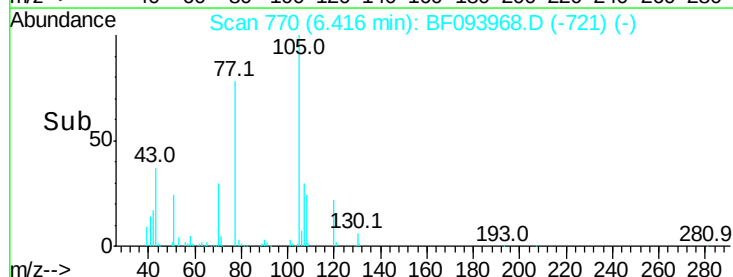
Abundance

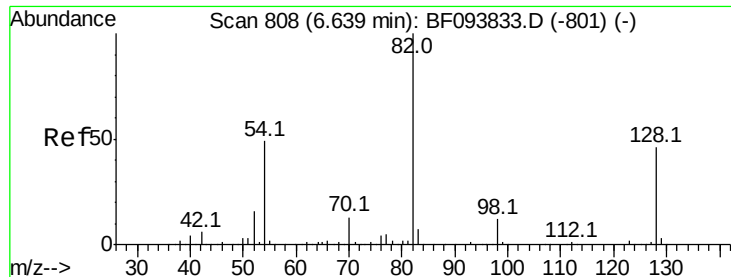
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



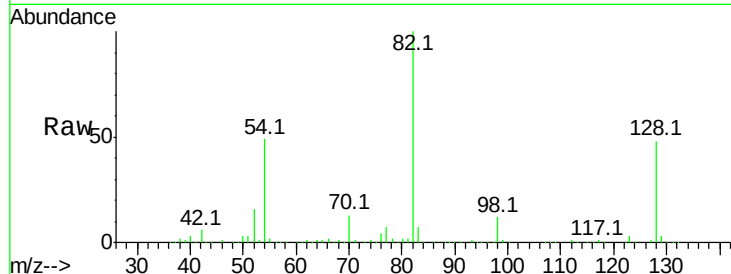


#23
 Nitrobenzene-d5
 Concen: 86.15 ng
 RT: 6.59 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

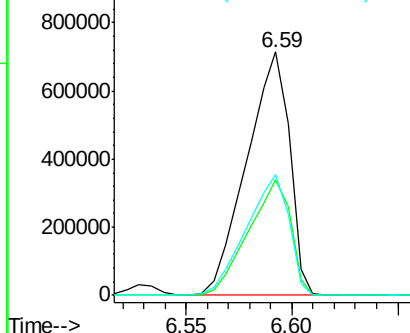
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.0	51.0
54	49.4	42.2	63.2

Manual Integrations
 APPROVED

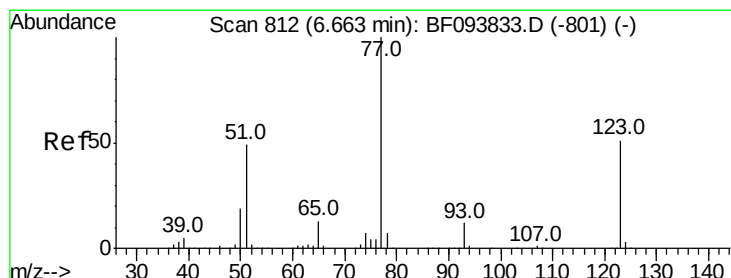
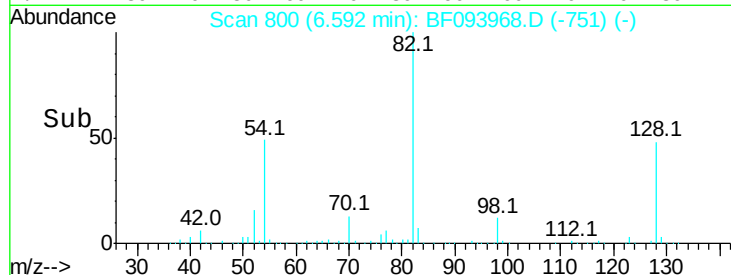


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0



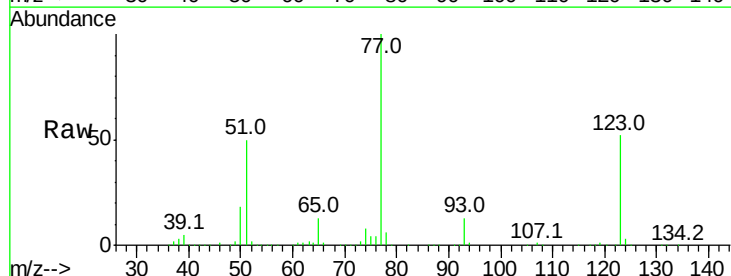
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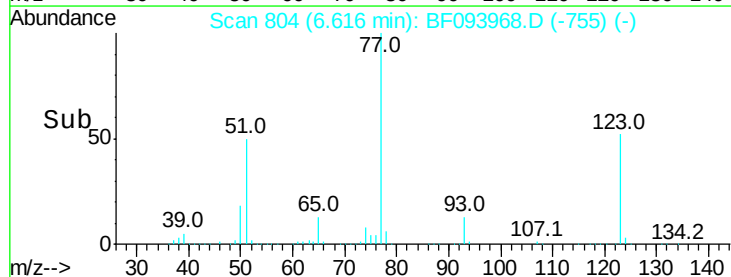
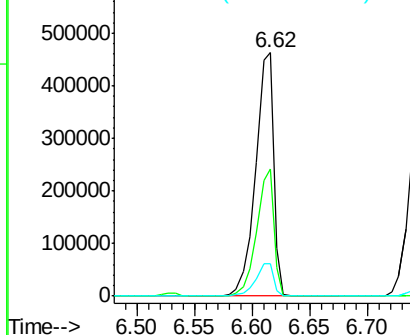


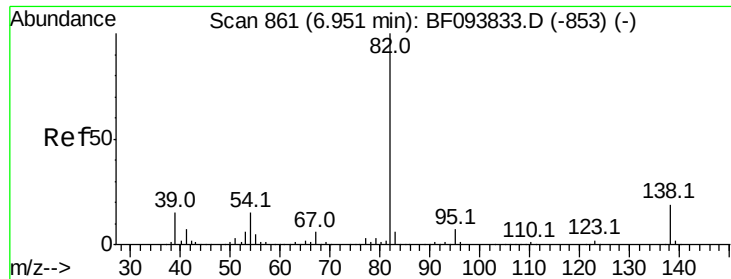
#24
 Nitrobenzene
 Concen: 44.26 ng
 RT: 6.62 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.3	35.8	53.8
65	13.1	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 46.02 ng

RT: 6.90 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

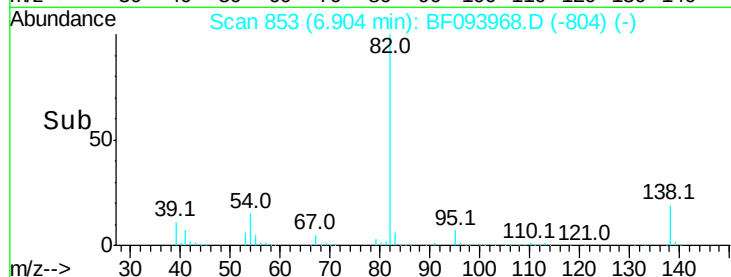
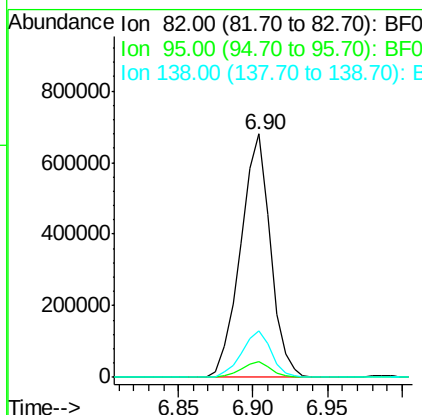
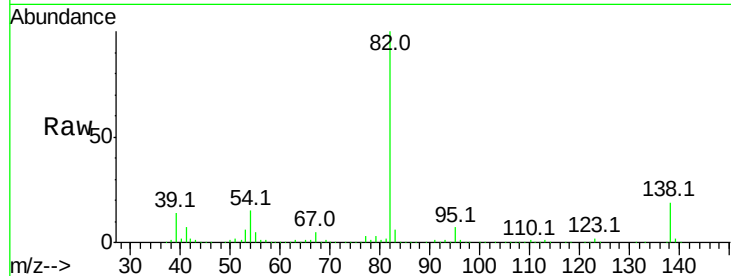
BNA_F

ClientSampleId :

WC-B42-B51-001MSD

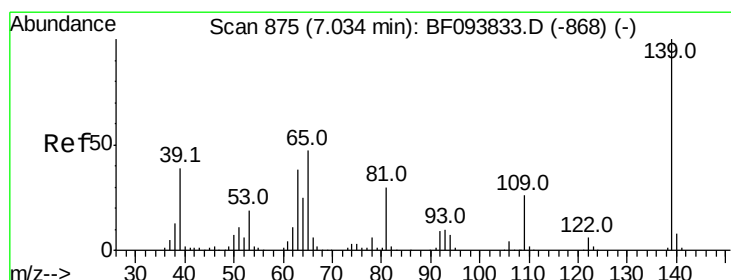
Tot Ion:	82	Resp:	944125
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.3	7.9
138	19.1	13.1	19.7

Manual Integrations
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3/28/2017 3:43:26 PM



#26

2-Nitrophenol

Concen: 50.47 ng

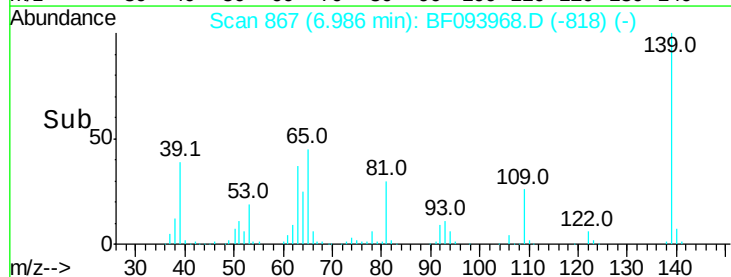
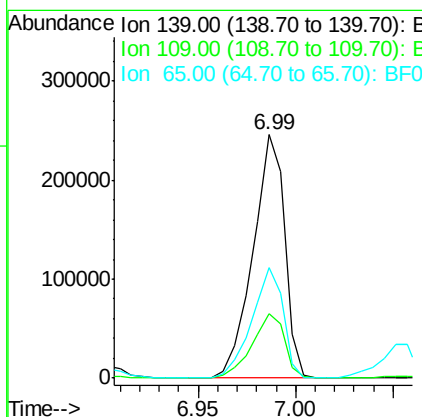
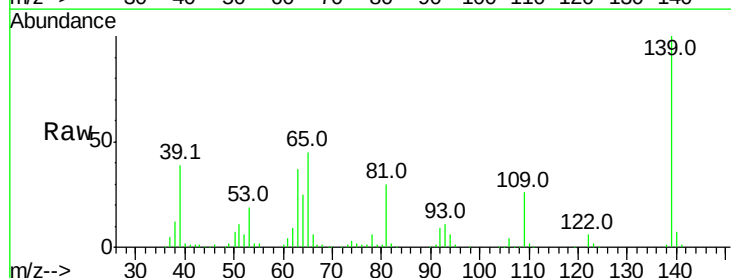
RT: 6.99 min Scan# 867

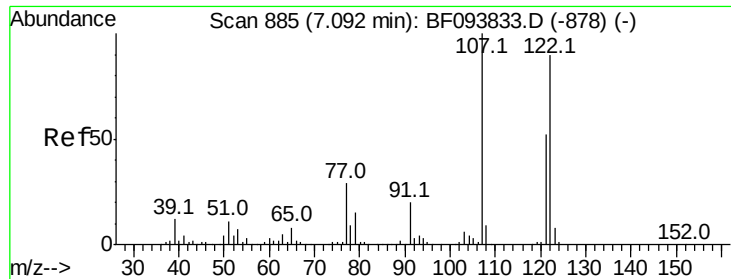
Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Tgt Ion:	139	Resp:	277147
Ion Ratio	Lower	Upper	
139	100		
109	26.3	21.0	31.6
65	45.4	33.0	49.6



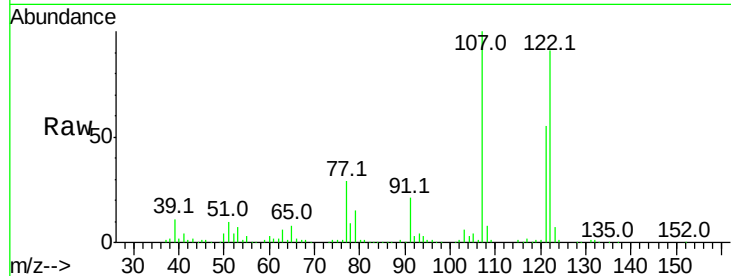


#27
2,4-Dimethylphenol
Concen: 49.89 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

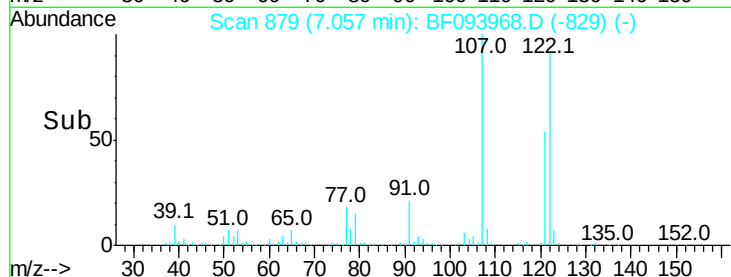
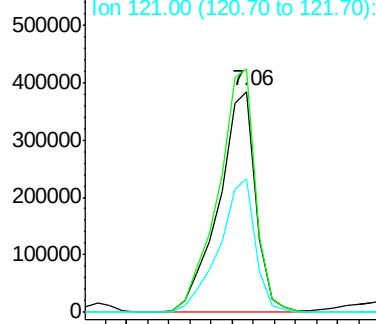
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.2	89.2	133.8
121	60.3	45.2	67.8

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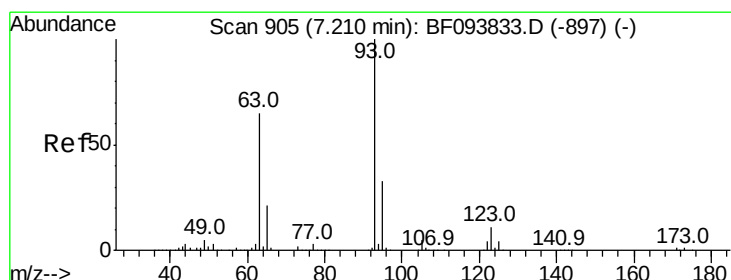


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



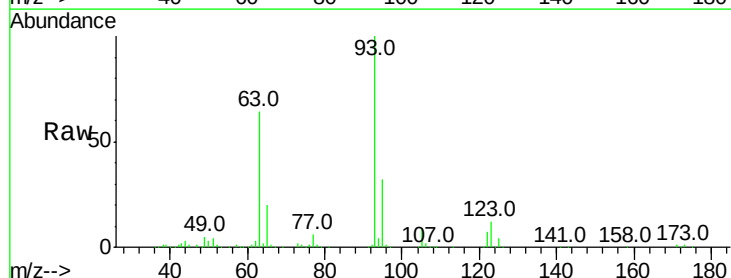
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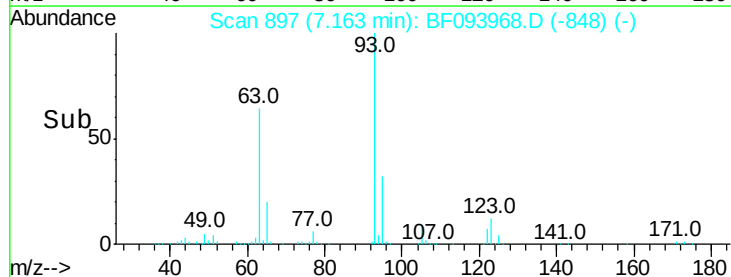
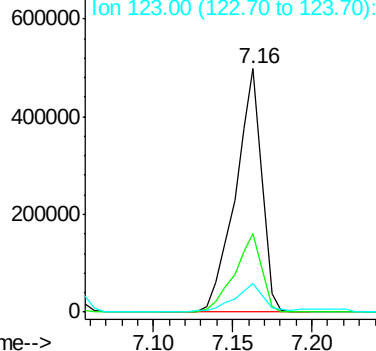


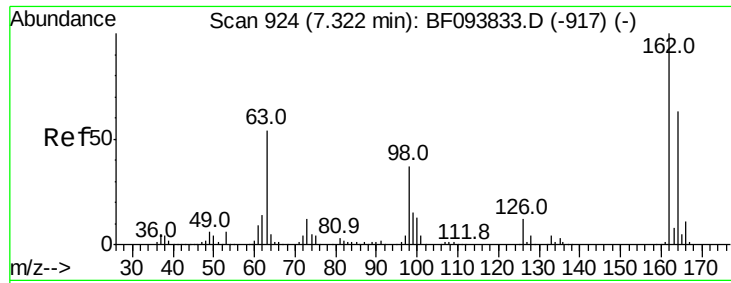
#28
bis(2-Chloroethoxy)methane
Concen: 42.79 ng
RT: 7.16 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.5	39.7
123	11.5	9.0	13.4



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E



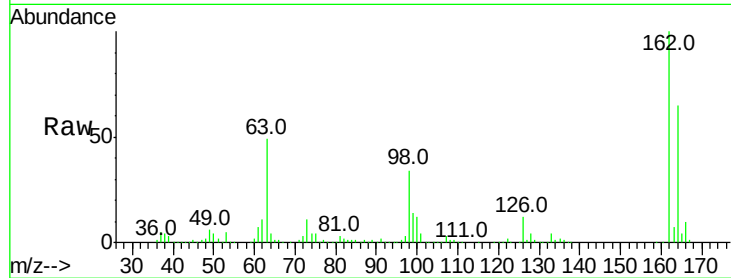


#29
 2,4-Dichlorophenol
 Concen: 49.56 ng
 RT: 7.29 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

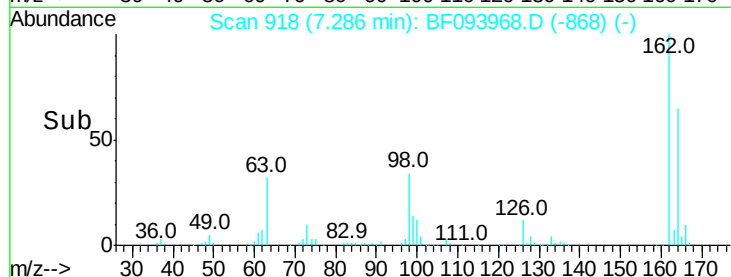
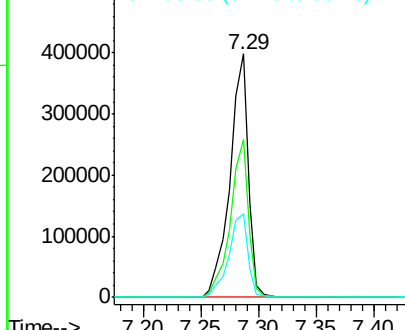
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion:	162	Resp:	438454
Ion Ratio	Lower	Upper	
162	100		
164	64.7	44.6	84.6
98	34.3	14.8	54.8

Manual Integrations
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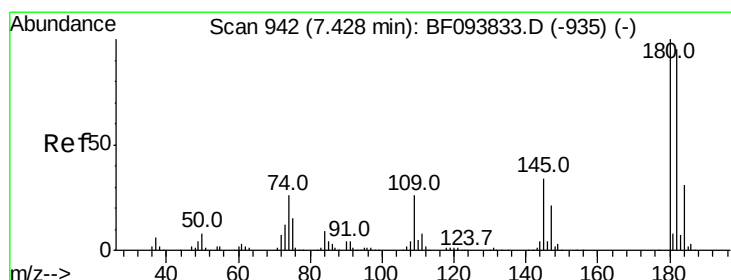


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0



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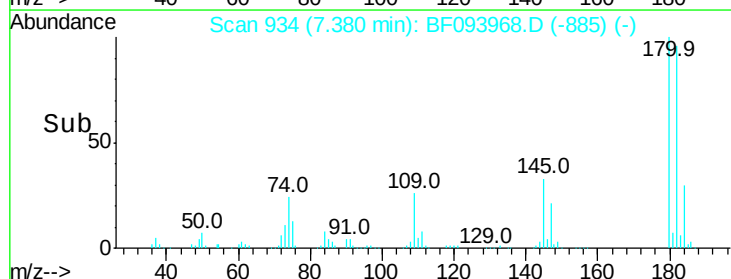
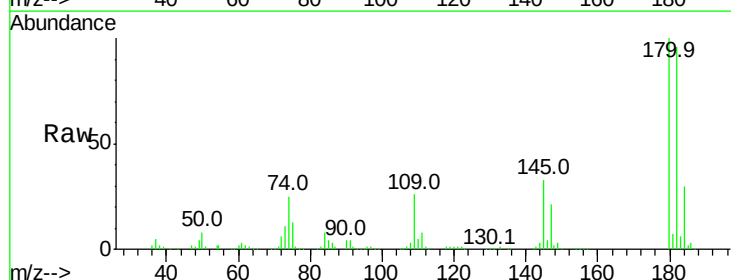
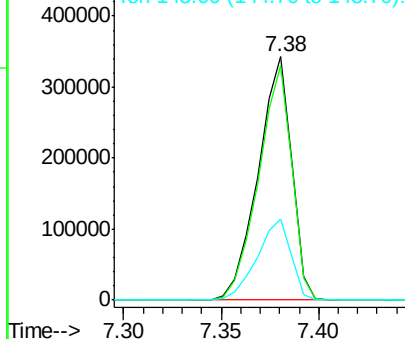
3/28/2017 3:43:26 PM

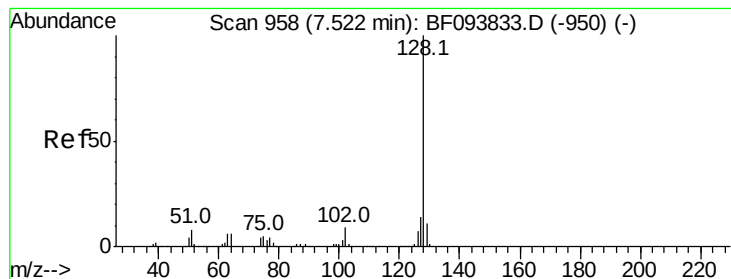


#30
 1,2,4-Trichlorobenzene
 Concen: 44.65 ng
 RT: 7.38 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion:	180	Resp:	406859
Ion Ratio	Lower	Upper	
180	100		
182	96.3	75.8	113.6
145	33.1	25.3	37.9

Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 66.01 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:128 Resp: 2114780

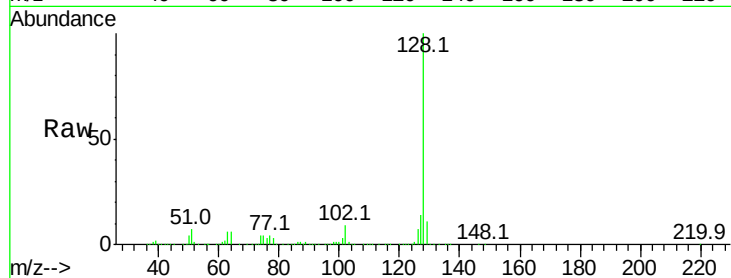
Ion Ratio Lower Upper

128 100

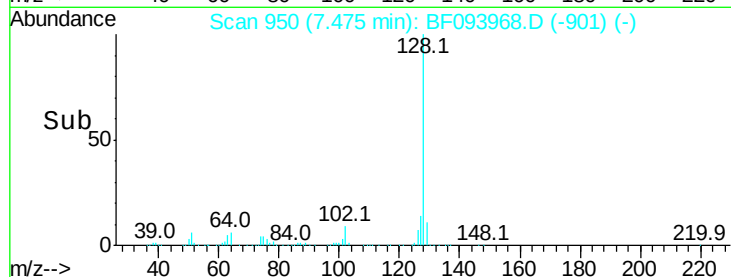
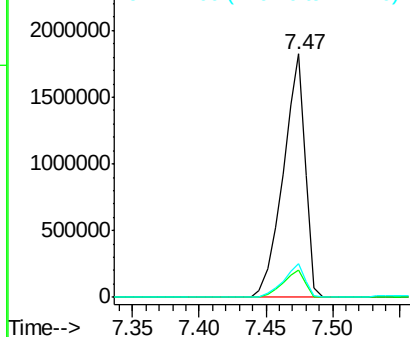
129 11.3 9.0 13.6

127 13.8 10.8 16.2

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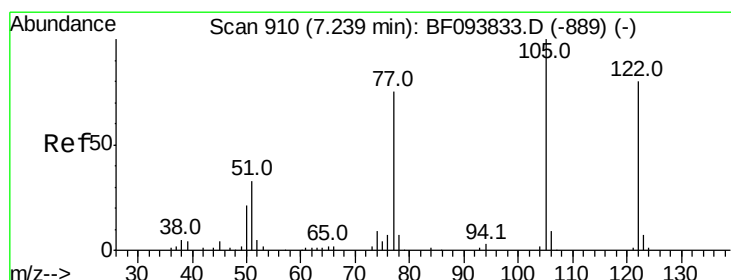


Abundance Ion 128.00 (127.70 to 128.70): E
2500000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



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3/28/2017 3:43:26 PM



#32

Benzoic acid

Concen: 51.59 ng

RT: 7.22 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

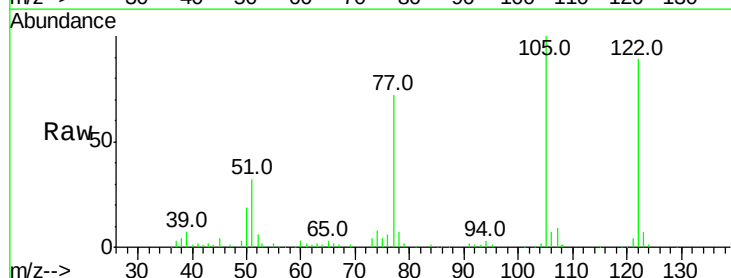
Tgt Ion:122 Resp: 324971

Ion Ratio Lower Upper

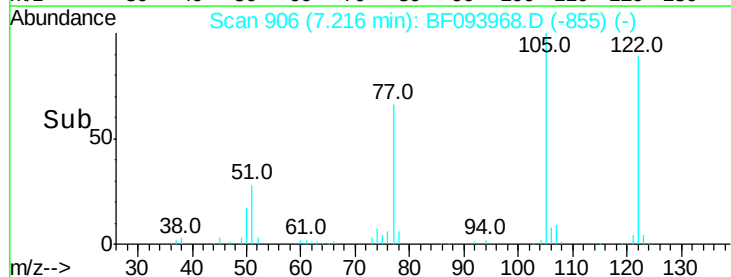
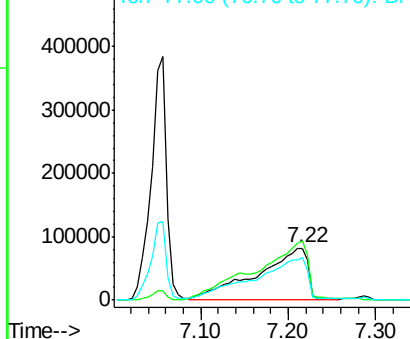
122 100

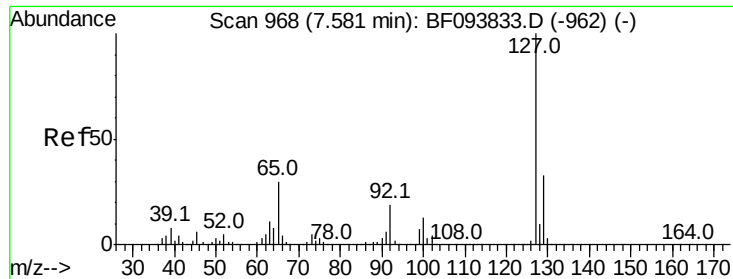
105 113.0 103.3 143.3

77 81.6 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
500000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



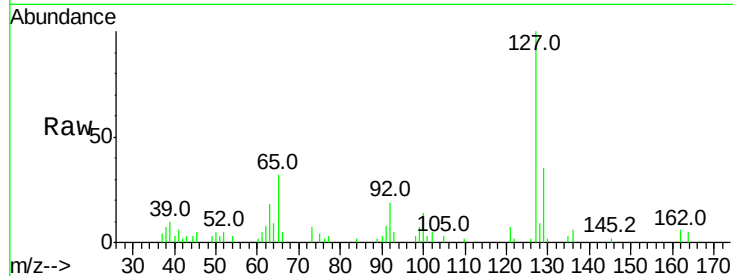


#33
4-Chloroaniline
Concen: 2.79 ng
RT: 7.55 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

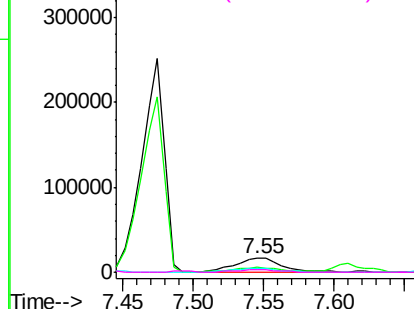
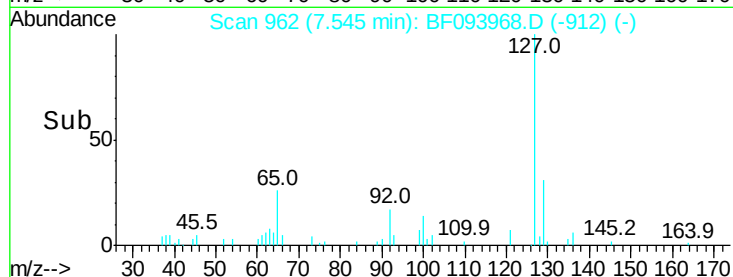
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion:	127	Resp:	36170
Ion Ratio	Lower	Upper	
127	100		
129	35.0	26.2	39.2
65	31.6	27.8	41.8
92	19.2	16.8	25.2

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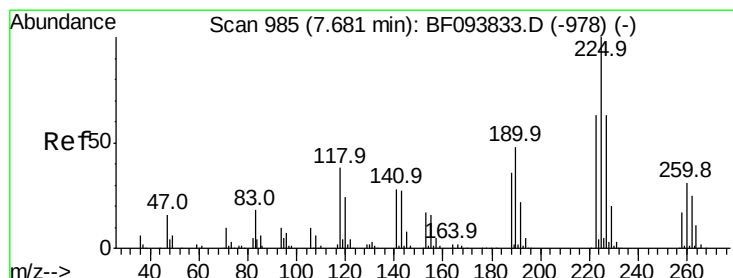


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0



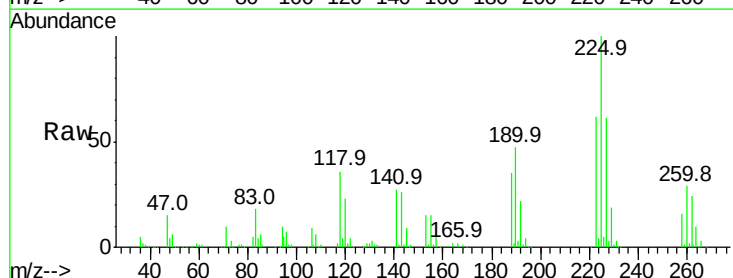
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3/28/2017 3:43:26 PM

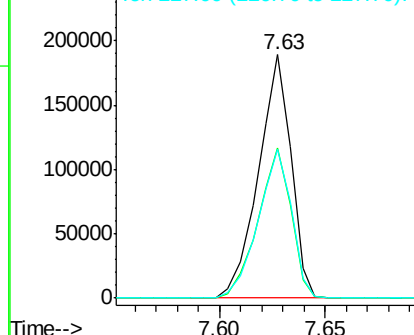
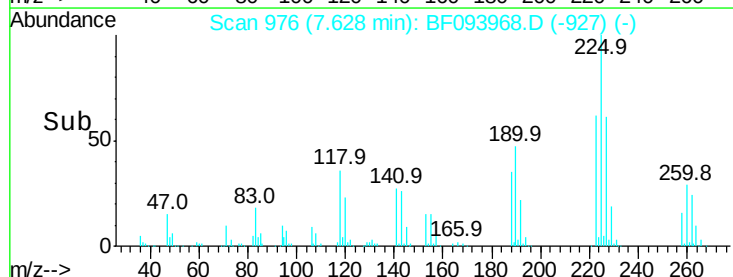


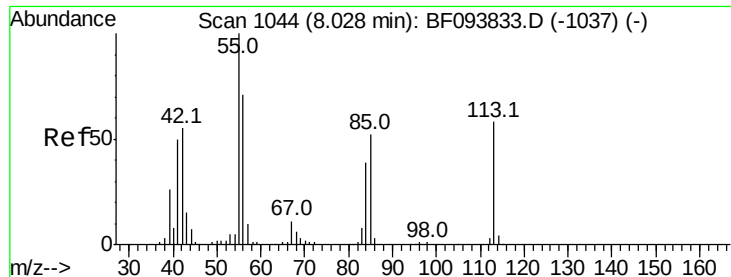
#34
Hexachlorobutadiene
Concen: 43.39 ng
RT: 7.63 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion:	225	Resp:	202754
Ion Ratio	Lower	Upper	
225	100		
223	61.7	48.8	73.2
227	61.4	51.1	76.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 46.53 ng/ml

RT: 7.99 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

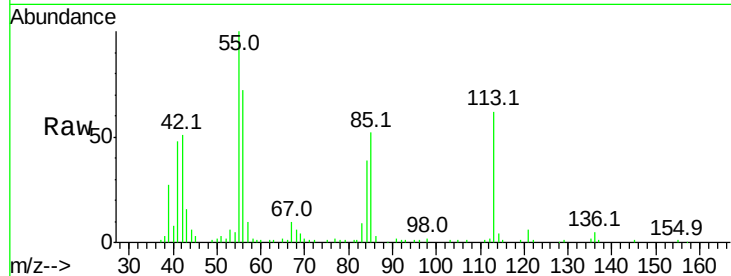
BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:	113	Resp:	131265
Ion Ratio	Lower	Upper	
113	100		
55	160.3	150.2	190.2
56	116.0	107.8	147.8

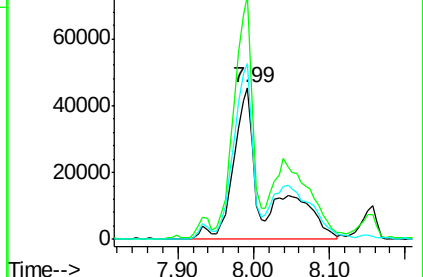
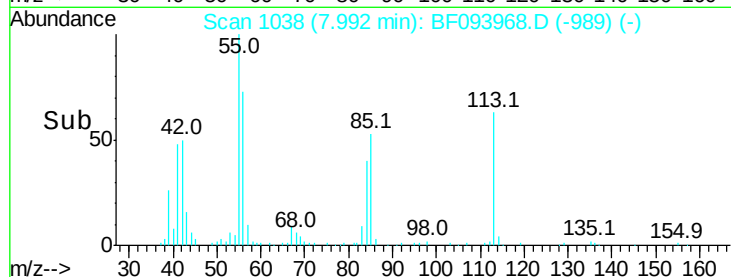
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Abundance Ion 113.00 (112.70 to 113.70): E

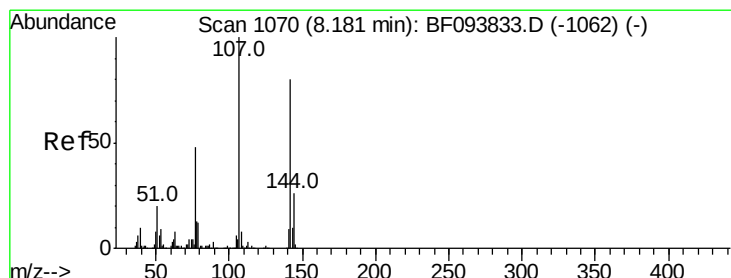
Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



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3/28/2017 3:43:26 PM



#36

4-Chloro-3-methylphenol

Concen: 50.33 ng/ml

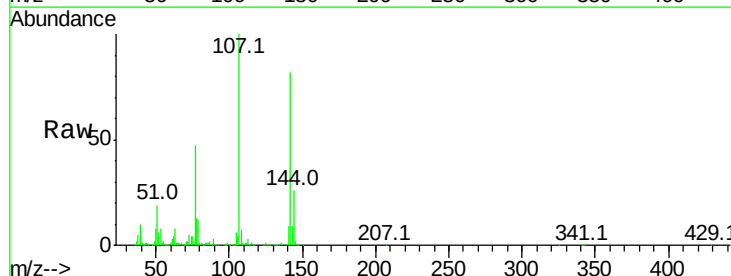
RT: 8.16 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

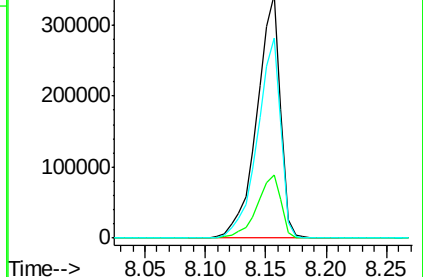
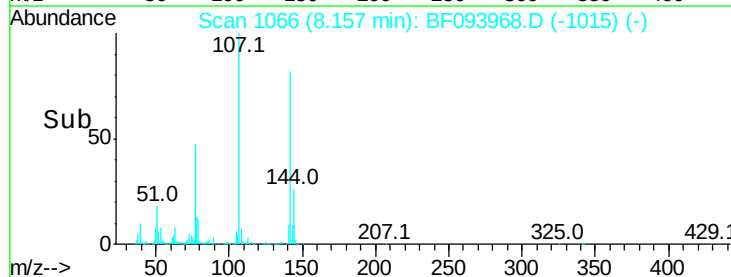
Tgt Ion:	107	Resp:	465247
Ion Ratio	Lower	Upper	
107	100		
144	26.1	24.2	36.4
142	82.1	73.4	110.0

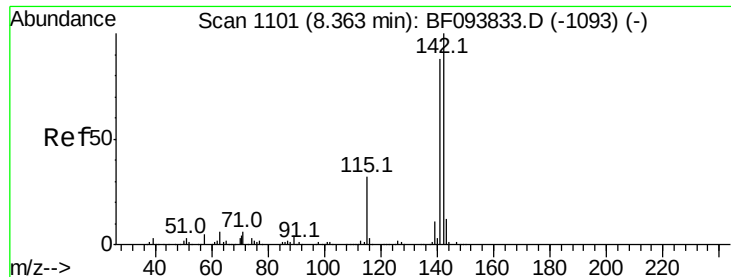


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



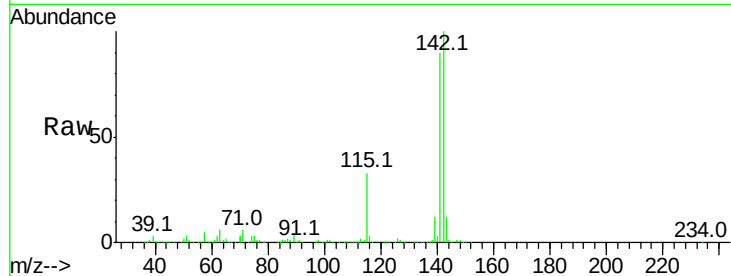


#37
 2-Methylnaphthalene
 Concen: 54.15 ng
 RT: 8.32 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.3	106.9
115	33.1	27.1	40.7

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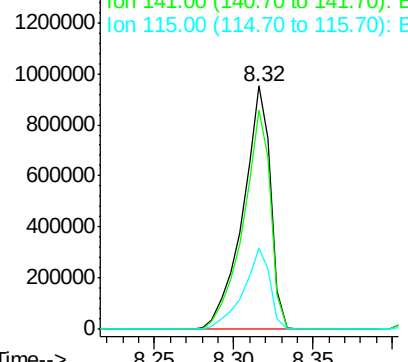


Abundance

Ion 142.00 (141.70 to 142.70): E

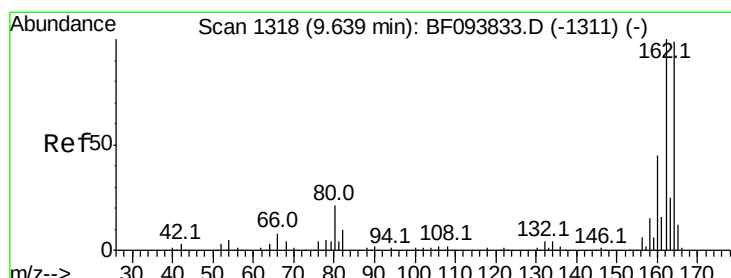
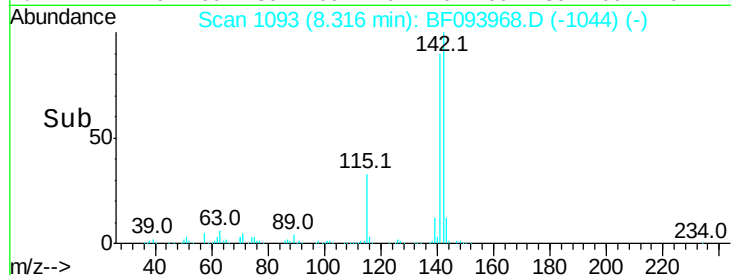
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



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3/28/2017 3:43:26 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

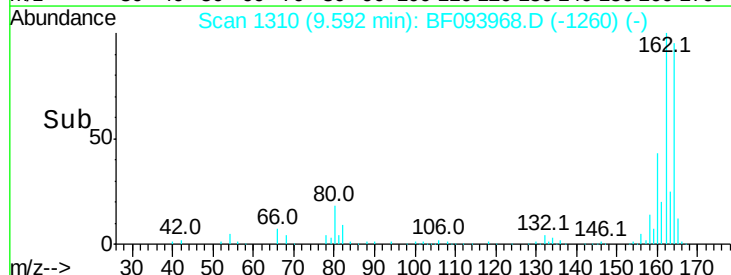
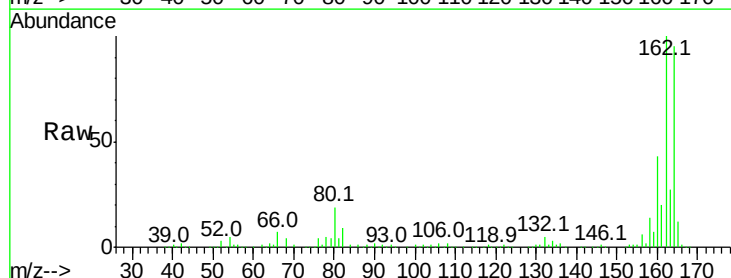
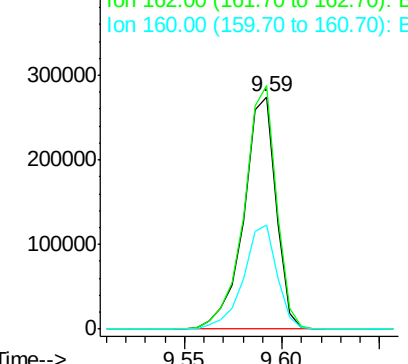
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	44.8	36.2	54.2

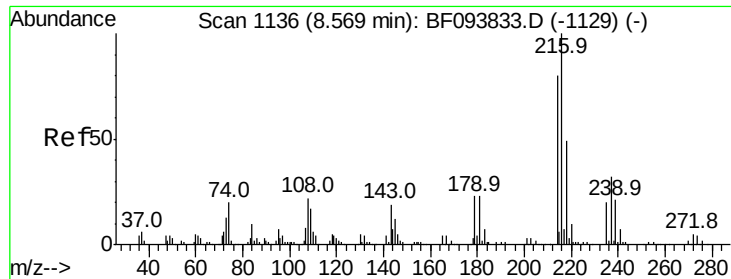
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



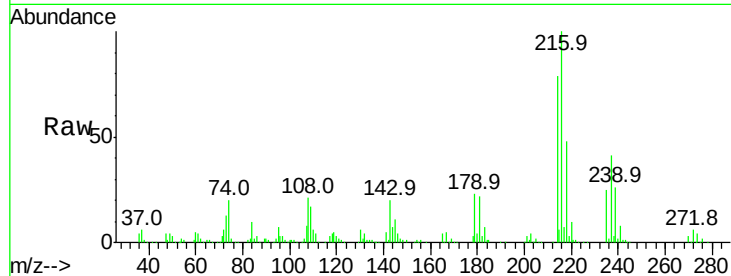


#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.86 ng
 RT: 8.52 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

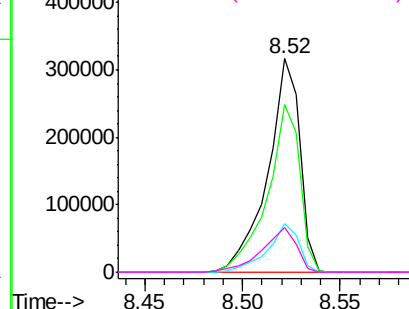
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.7	63.4	95.2	
179	22.2	17.9	26.9	
108	22.6	16.5	24.7	

Manual Integrations
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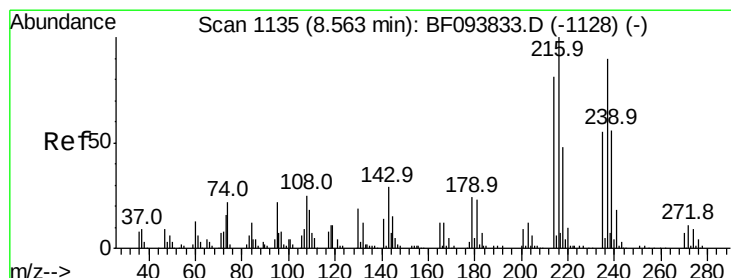
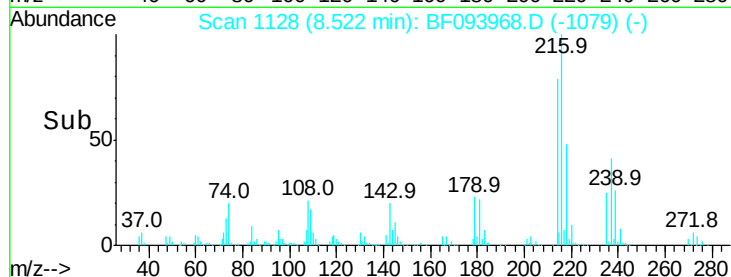


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



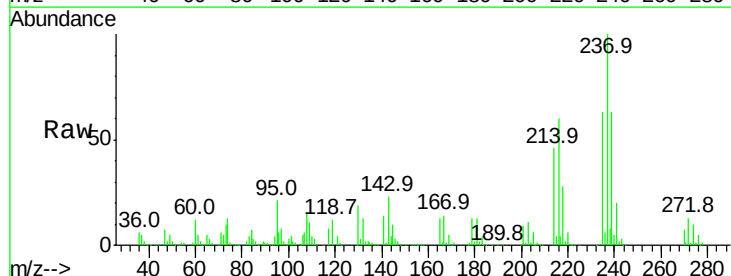
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3/28/2017 3:43:26 PM

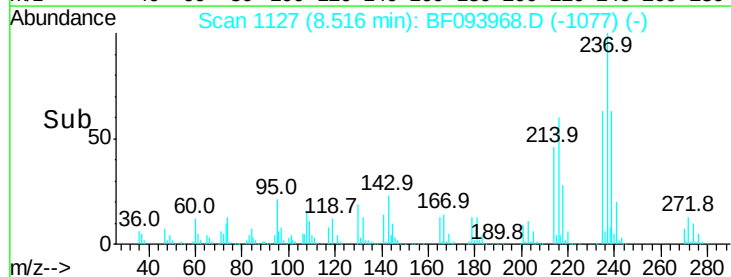
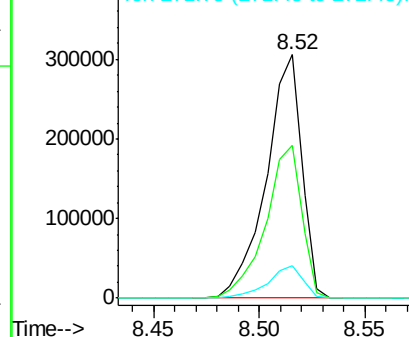


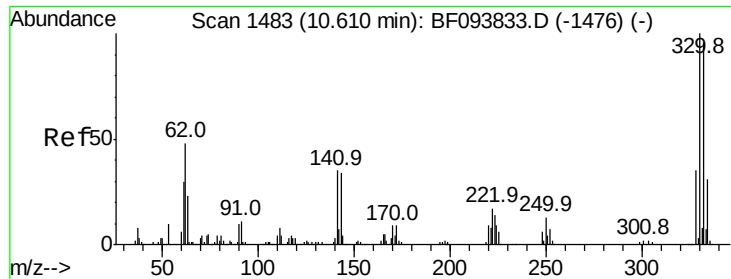
#40
 Hexachlorocyclopentadiene
 Concen: 88.64 ng
 RT: 8.52 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.9	42.6	82.6	
272	13.3	0.0	31.9	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E



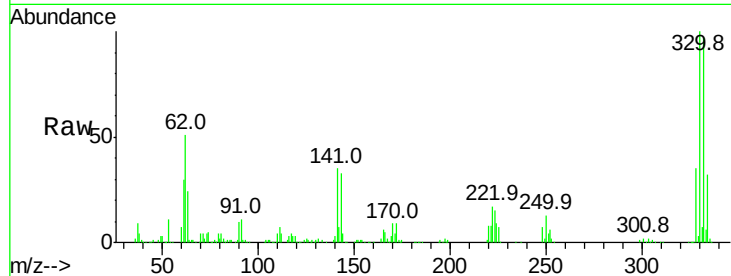


#41
 2,4,6-Tribromophenol
 Concen: 146.01 ng
 RT: 10.57 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

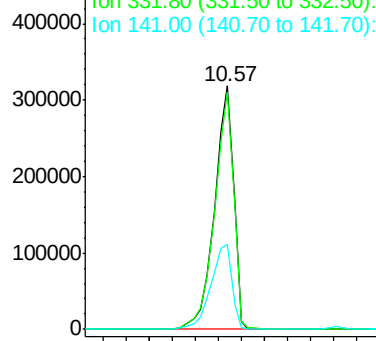
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	76.6	115.0	
141	38.6	31.4	47.2	

Manual Integrations
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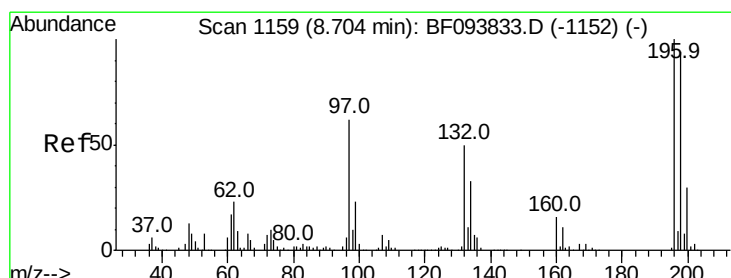
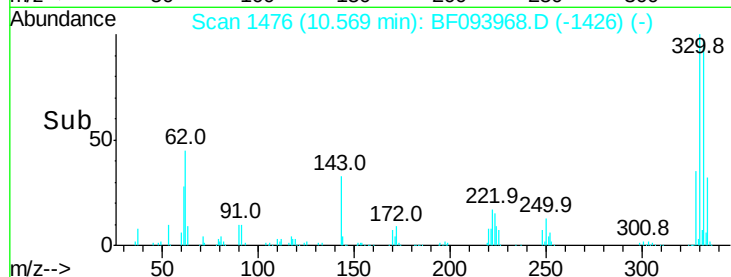


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



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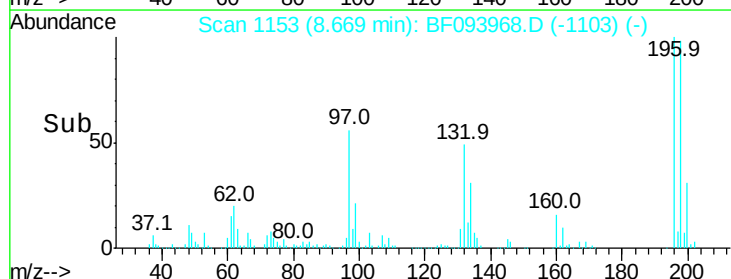
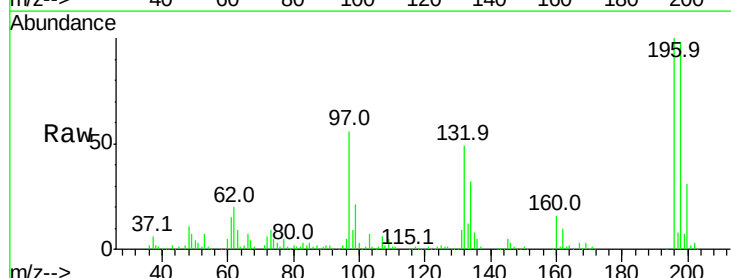
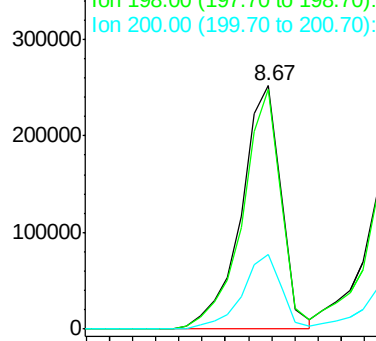
3/28/2017 3:43:26 PM

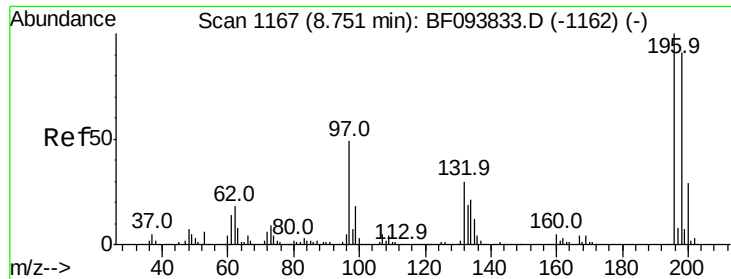


#42
 2,4,6-Trichlorophenol
 Concen: 49.38 ng
 RT: 8.67 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	98.5	74.2	111.4	
200	30.6	24.0	36.0	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E



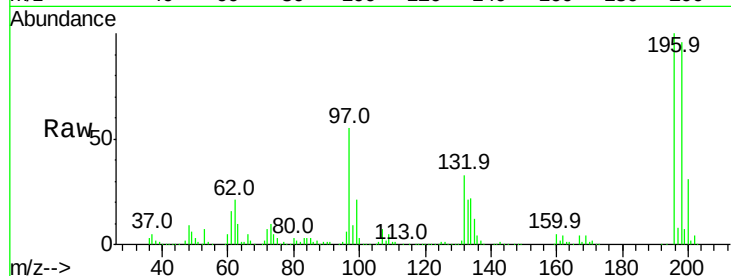


#43
 2,4,5-Trichlorophenol
 Concen: 46.46 ng
 RT: 8.72 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

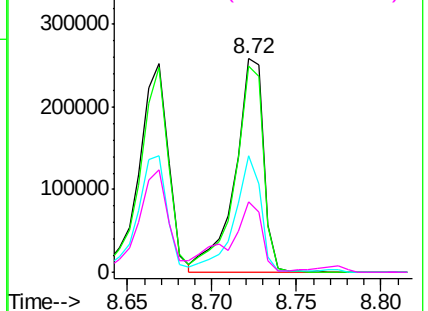
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	307233		
198	96.4	75.7	113.5	
97	54.6	47.7	71.5	
132	32.9	28.0	42.0	

Manual Integrations
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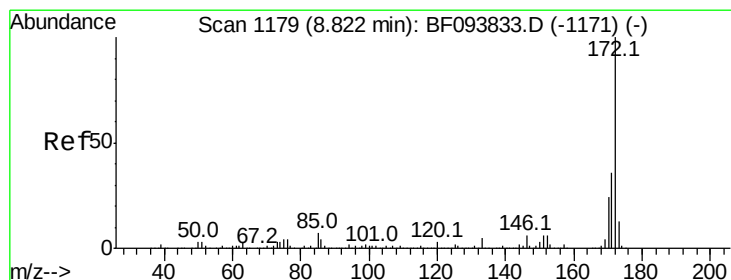
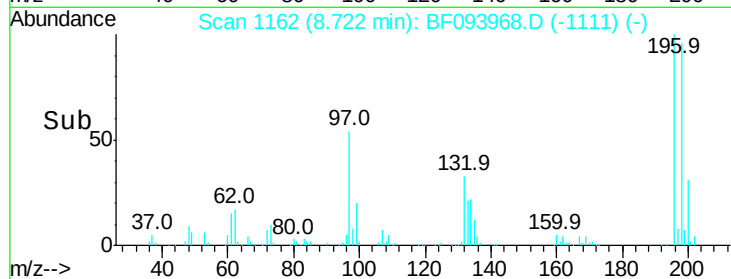


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E



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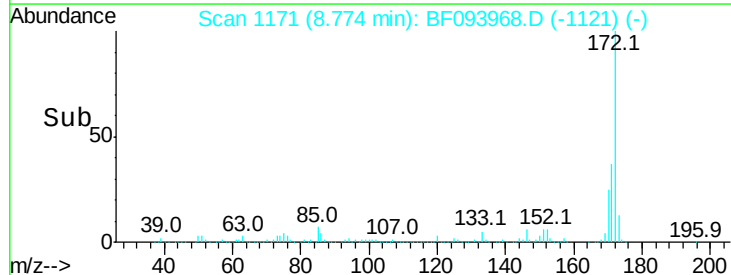
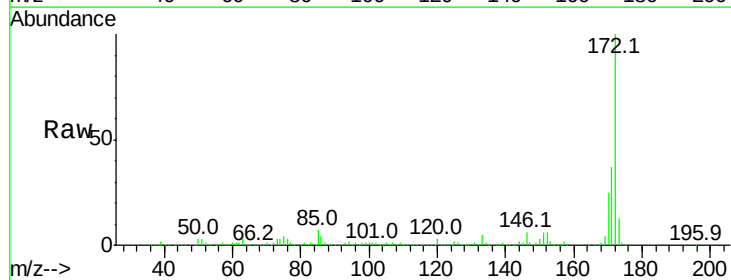
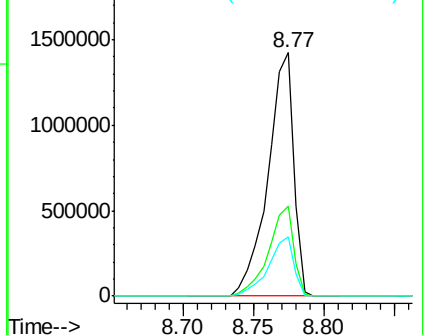
3/28/2017 3:43:26 PM

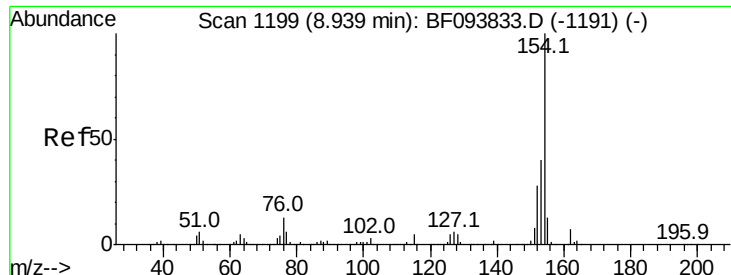


#44
 2-Fluorobiphenyl
 Concen: 88.19 ng
 RT: 8.77 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1825690		
171	36.8	29.6	44.4	
170	24.5	19.8	29.8	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 44.19 ng

RT: 8.89 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:154 Resp: 1125324

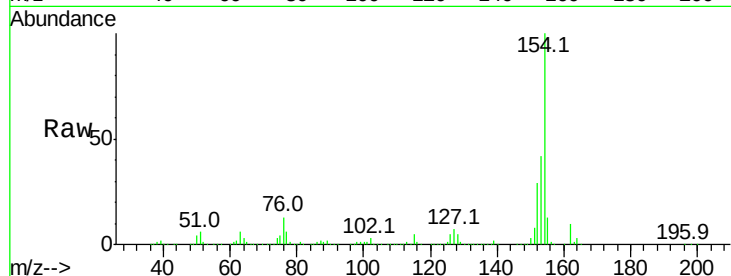
Ion Ratio Lower Upper

154 100

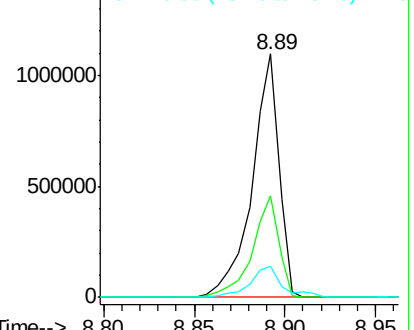
153 41.7 21.2 61.2

76 13.0 0.0 29.9

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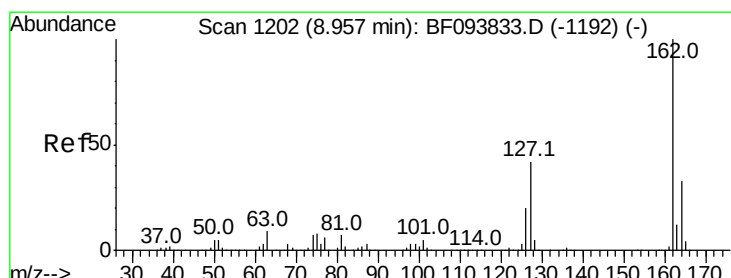
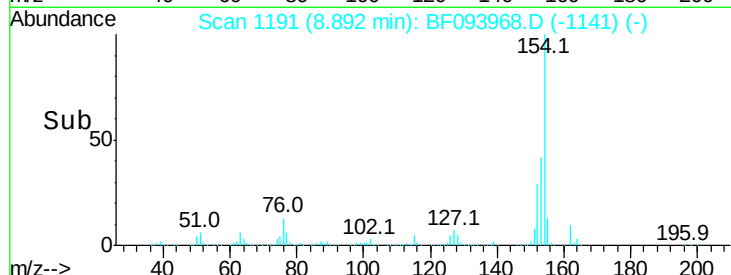


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



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3/28/2017 3:43:26 PM



#46

2-Chloronaphthalene

Concen: 44.71 ng

RT: 8.91 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

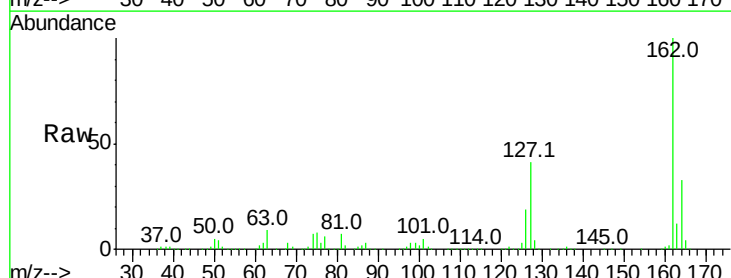
Tgt Ion:162 Resp: 891342

Ion Ratio Lower Upper

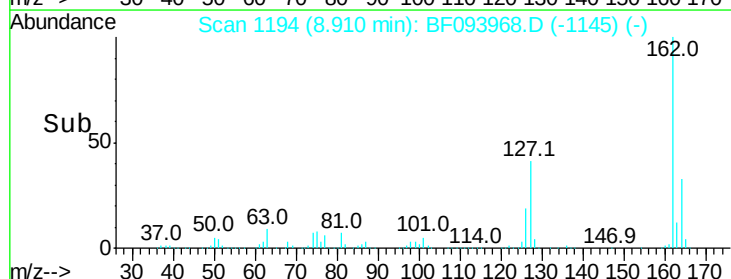
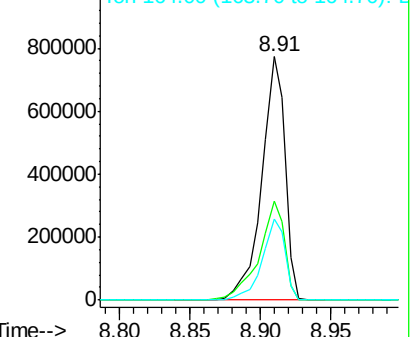
162 100

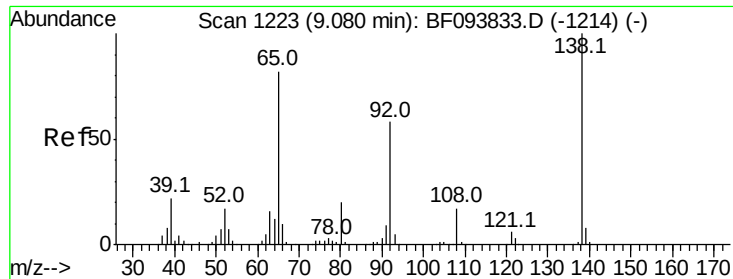
127 40.9 28.3 42.5

164 33.2 27.0 40.4



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 45.13 ng

RT: 9.04 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

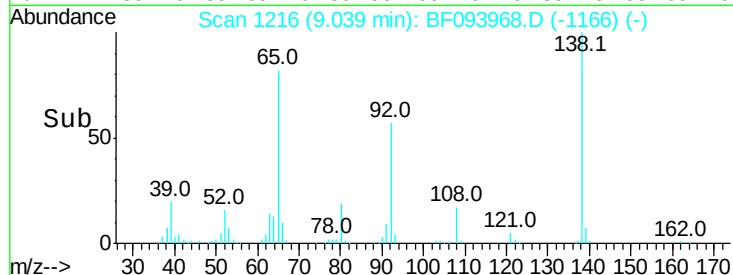
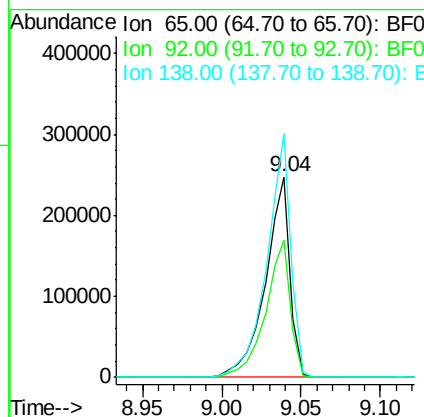
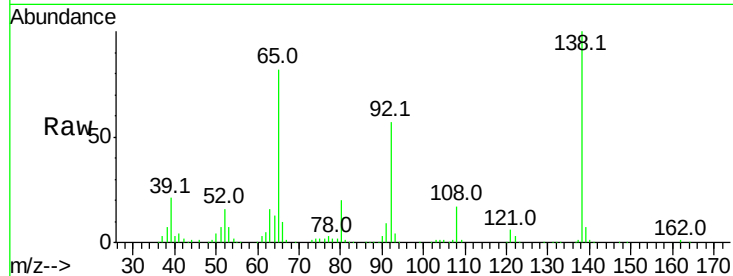
BNA_F

ClientSampleId :

WC-B42-B51-001MSD

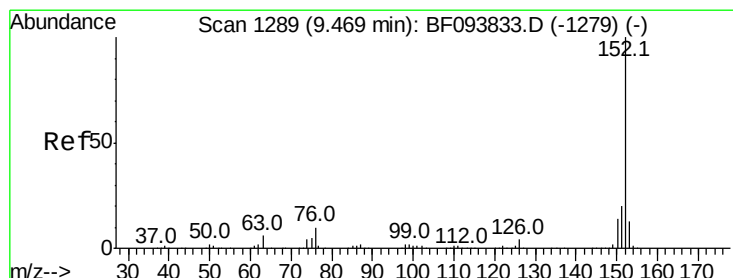
Tot Ion:	65	Resp:	266891
Ion Ratio	Lower	Upper	
65	100		
92	68.9	53.9	80.9
138	121.5	78.8	118.2#

Manual Integrations
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3/28/2017 3:43:26 PM



#48

Acenaphthylene

Concen: 42.87 ng

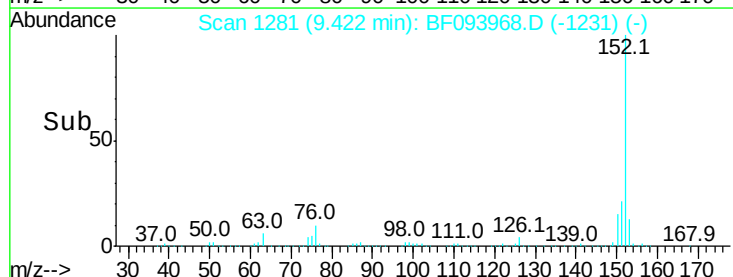
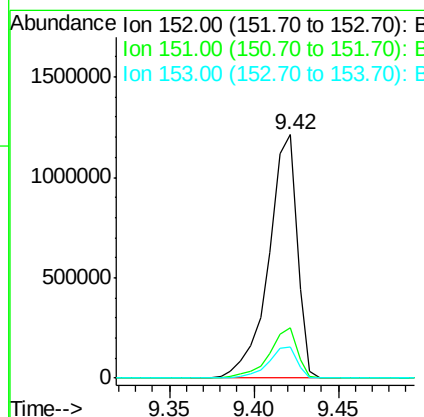
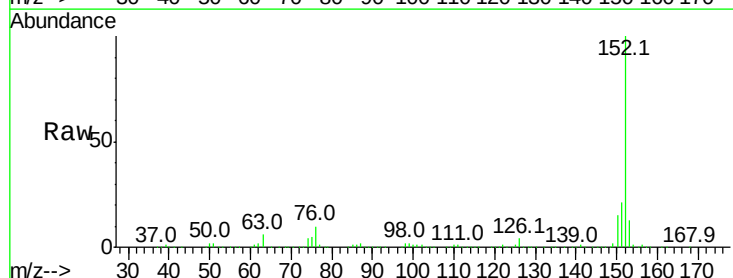
RT: 9.42 min Scan# 1281

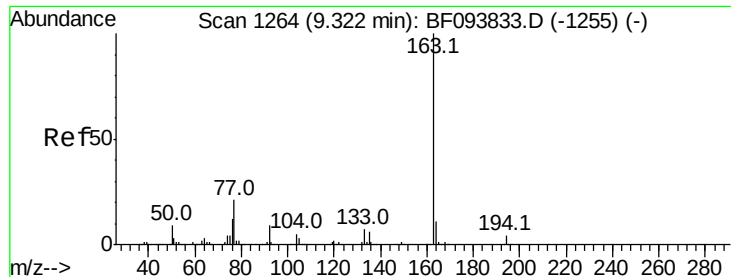
Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Tgt Ion:	152	Resp:	1420511
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.8	25.2
153	13.0	10.8	16.2





#49

Dimethylphthalate

Concen: 48.36 ng

RT: 9.28 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:163 Resp: 1085311

Ion Ratio Lower Upper

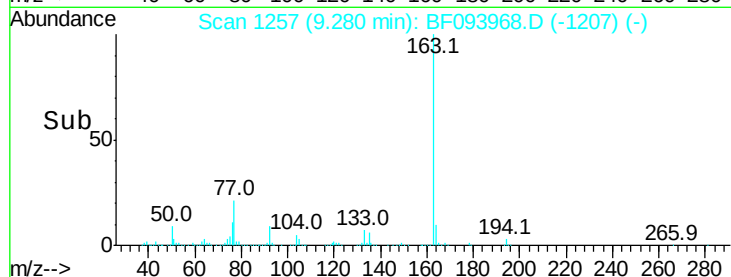
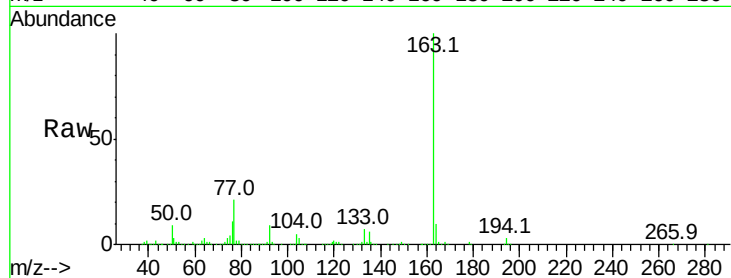
163 100

194 3.5 2.6 4.0

164 10.2 8.4 12.6

Manual Integrations

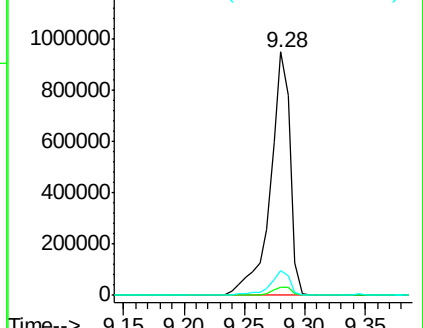
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Abundance Ion 163.00 (162.70 to 163.70): E

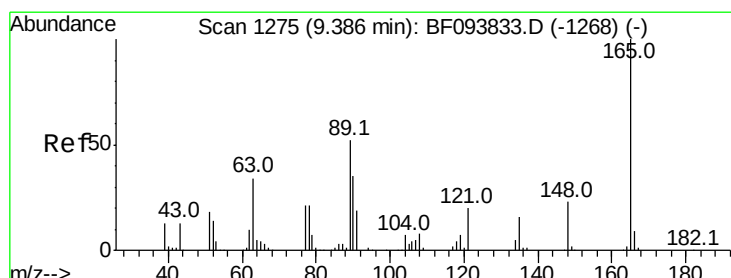
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



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3/28/2017 3:43:26 PM



#50

2,6-Dinitrotoluene

Concen: 48.30 ng

RT: 9.35 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

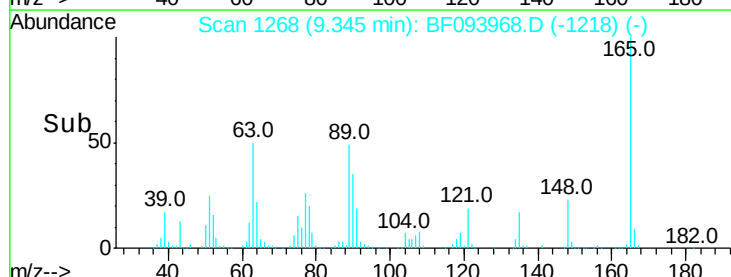
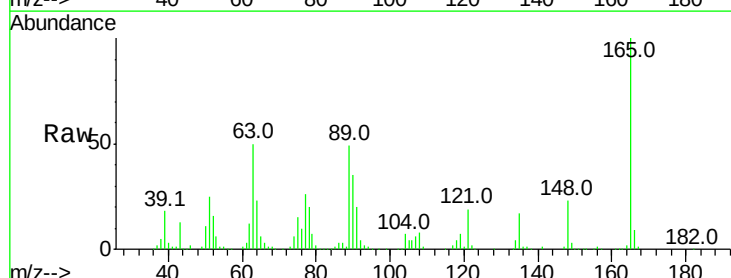
Tgt Ion:165 Resp: 248506

Ion Ratio Lower Upper

165 100

63 50.0 34.3 51.5

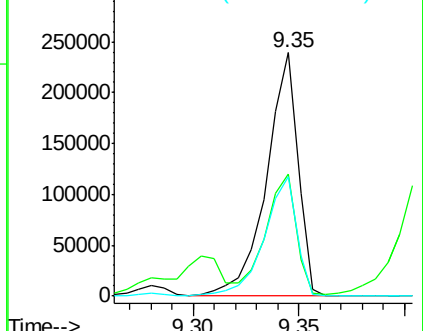
89 49.3 37.1 55.7

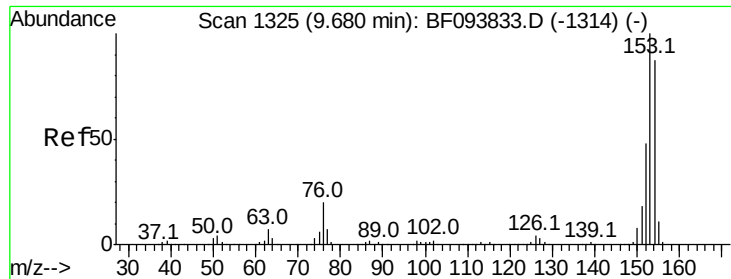


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



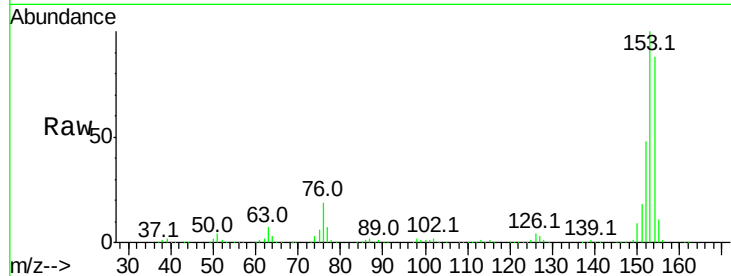


#51
Acenaphthene
Concen: 44.74 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

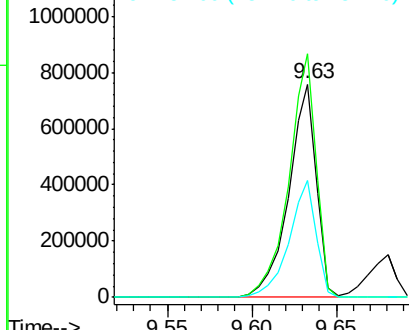
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.5	135.7
152	54.9	43.6	65.4

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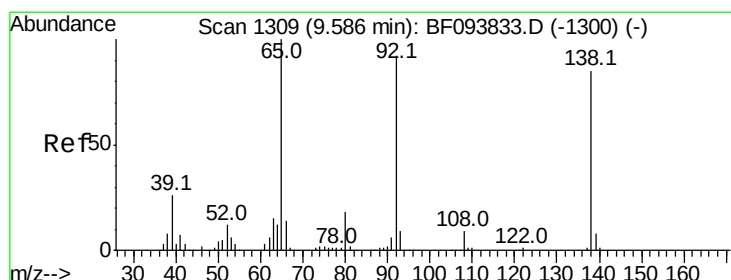
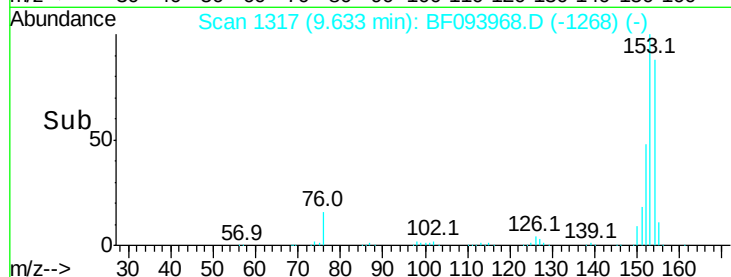


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



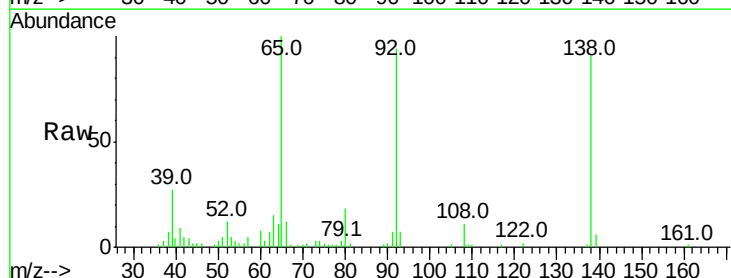
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3/28/2017 3:43:26 PM

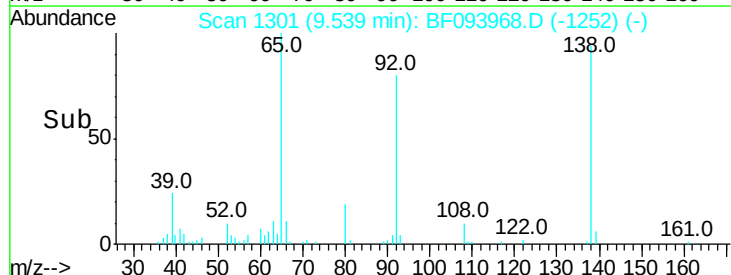
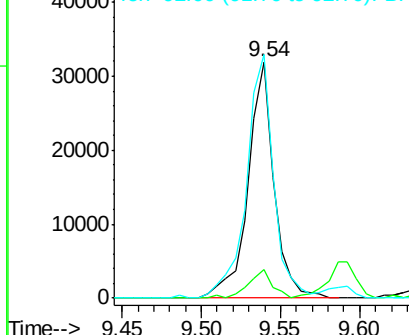


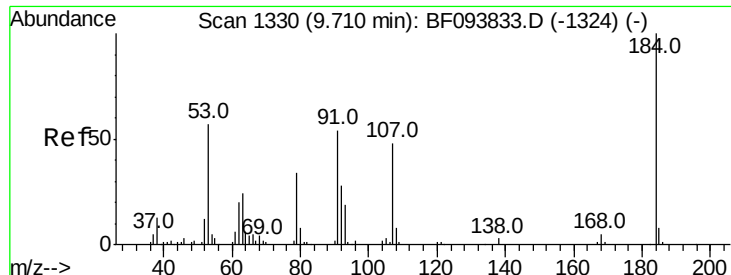
#52
3-Nitroaniline
Concen: 6.02 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.1	13.7
92	103.1	93.8	140.6



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0



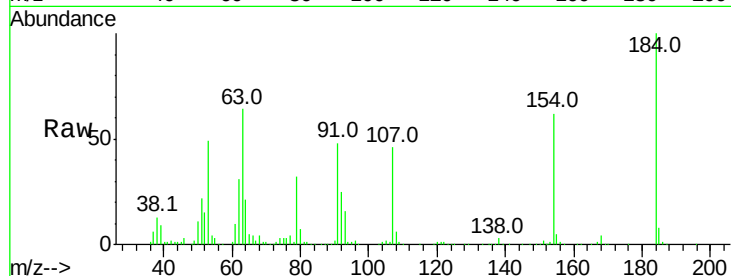


#53
 2,4-Dinitrophenol
 Concen: 99.81 ng
 RT: 9.68 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

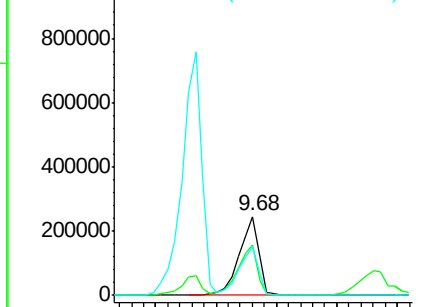
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	64.3	62.7	94.1
154	61.8	81.1	121.7

Manual Integrations
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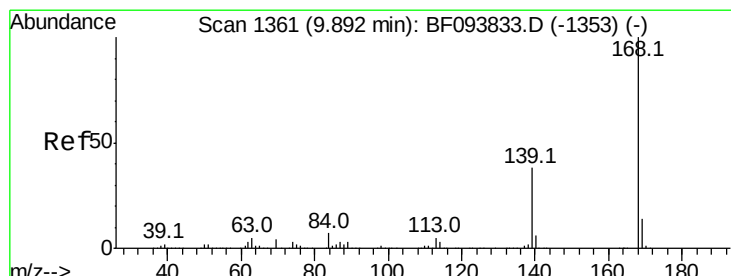
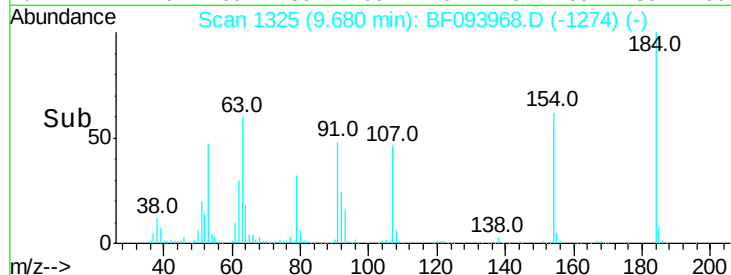


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E



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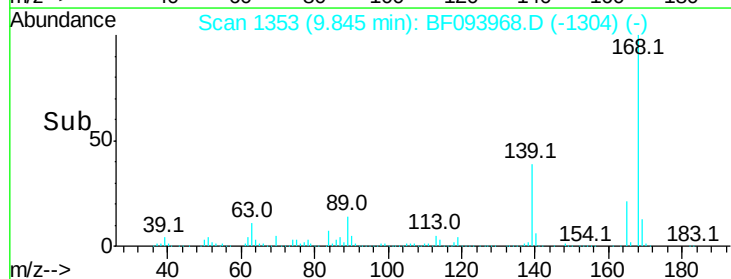
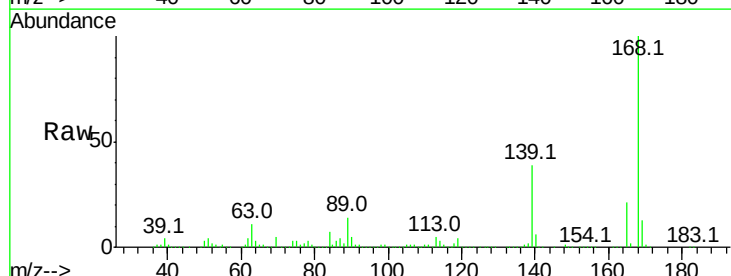
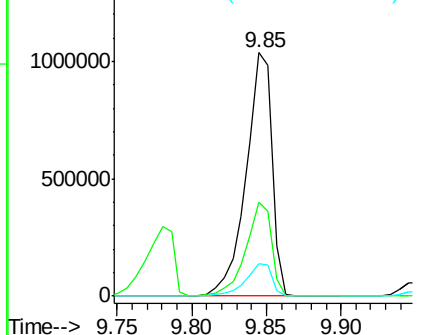
3/28/2017 3:43:26 PM

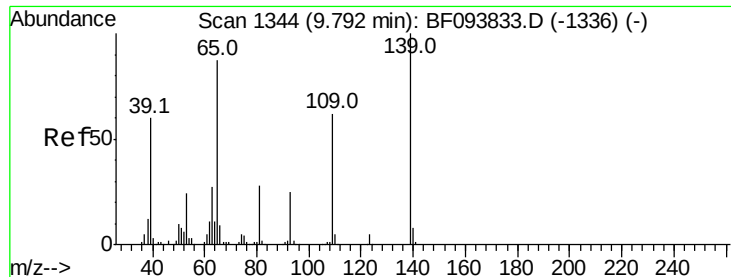


#54
 Dibenzofuran
 Concen: 47.28 ng
 RT: 9.85 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.6	45.8
169	13.4	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 83.61 ng

RT: 9.78 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:139 Resp: 395589

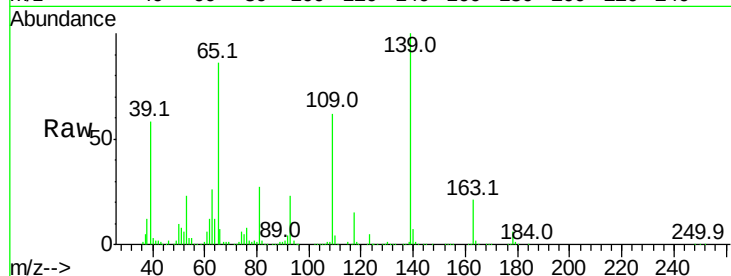
Ion Ratio Lower Upper

139 100

109 62.2 34.1 74.1

65 85.9 31.4 71.4#

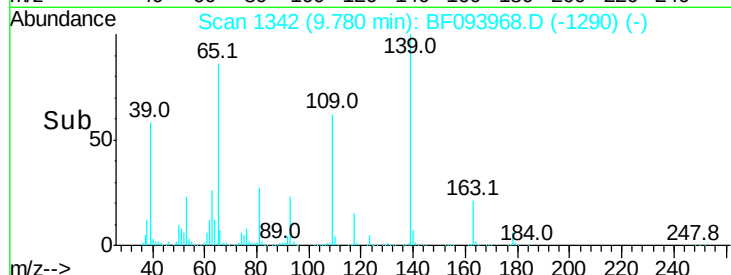
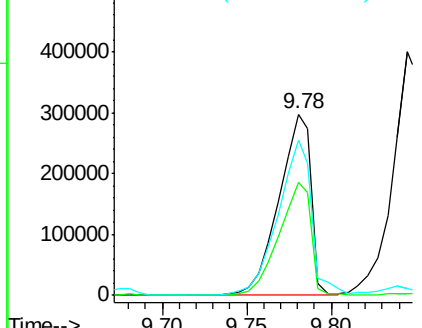
Manual Integrations
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Abundance Ion 139.00 (138.70 to 139.70): E

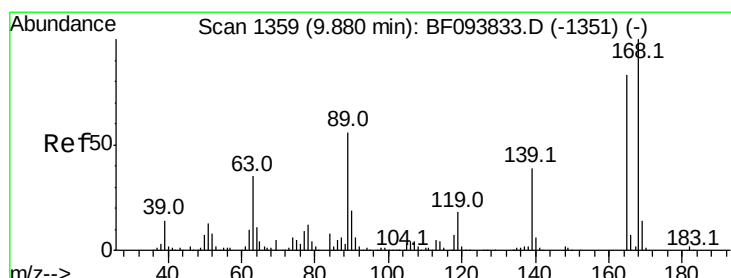
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



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3/28/2017 3:43:26 PM



#56

2,4-Dinitrotoluene

Concen: 48.74 ng

RT: 9.84 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Tgt Ion:165 Resp: 314978

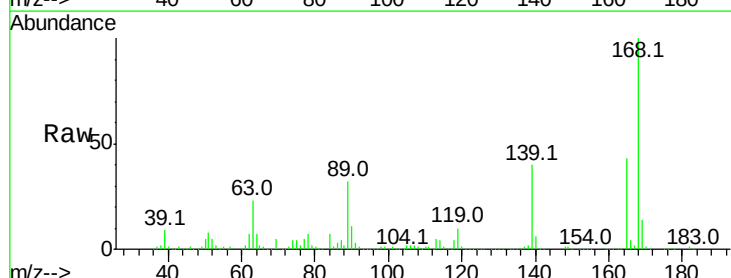
Ion Ratio Lower Upper

165 100

63 53.0 25.4 38.0#

89 73.6 46.4 69.6#

182 2.7 1.8 2.6#

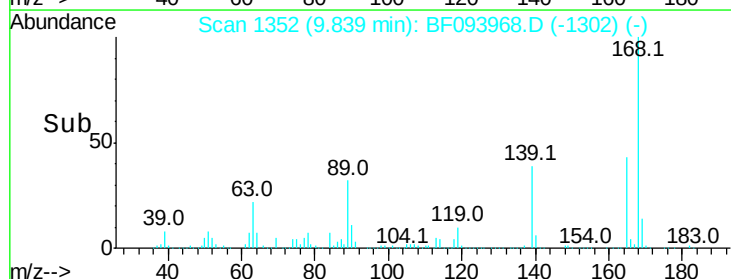
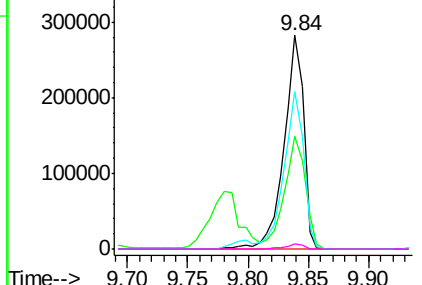


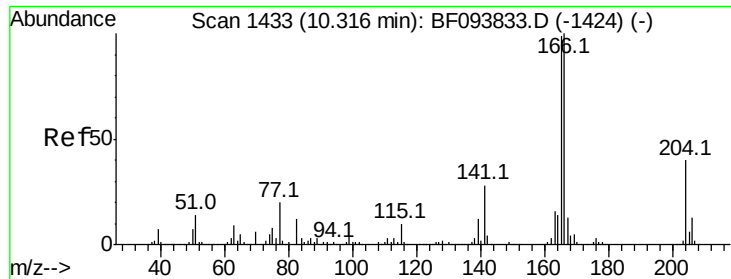
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



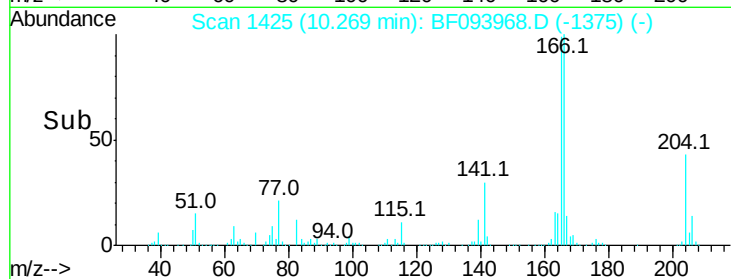
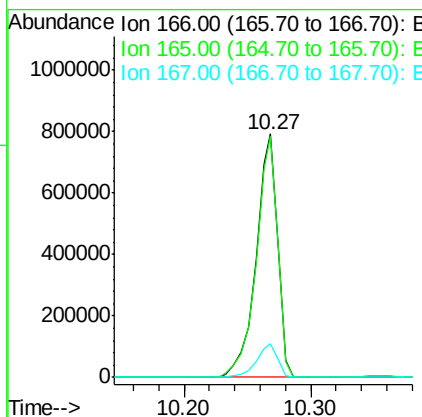
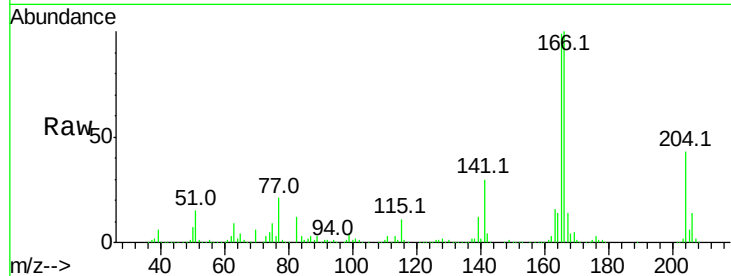


#57
Fluorene
 Concen: 43.01 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

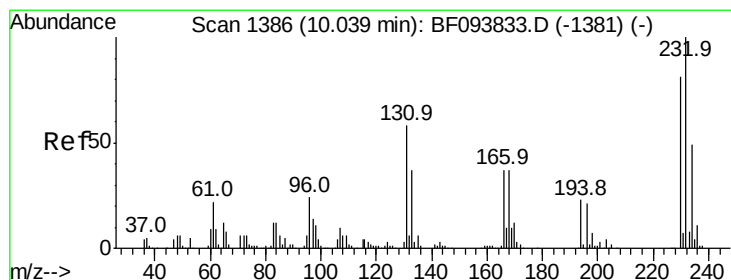
Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.9	78.8	118.2	
167	13.6	10.6	16.0	

Manual Integrations
 APPROVED



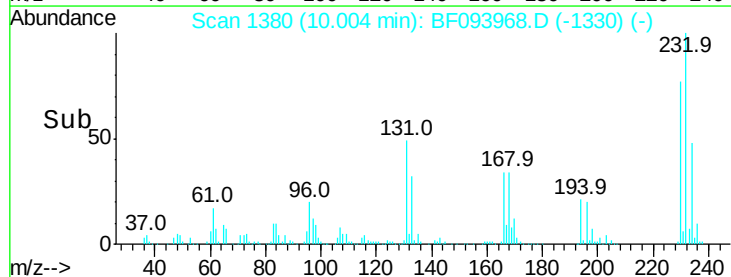
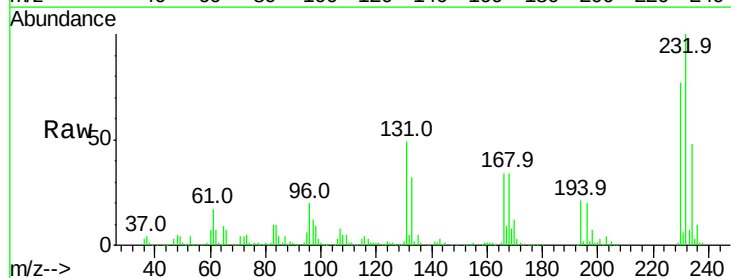
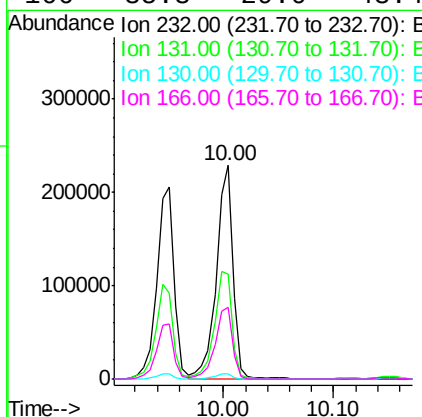
mohammad

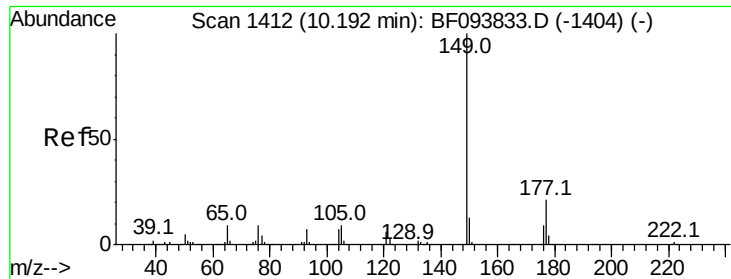
3/28/2017 3:43:26 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 52.57 ng
 RT: 10.00 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	52.9	44.8	67.2	
130	2.7	2.3	3.5	
166	35.3	29.0	43.4	



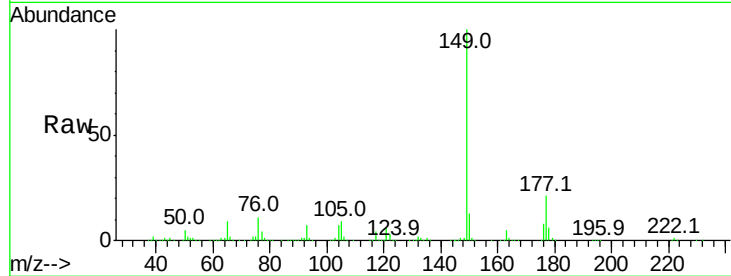


#59
Diethylphthalate
Concen: 47.50 ng
RT: 10.15 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

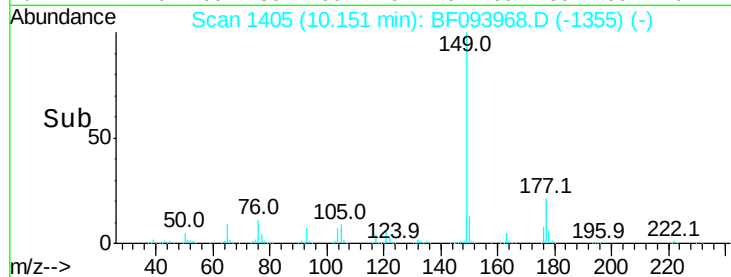
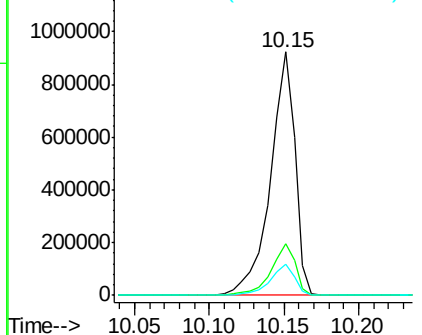
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.1	16.7	25.1
150	12.6	10.2	15.2

Manual Integrations
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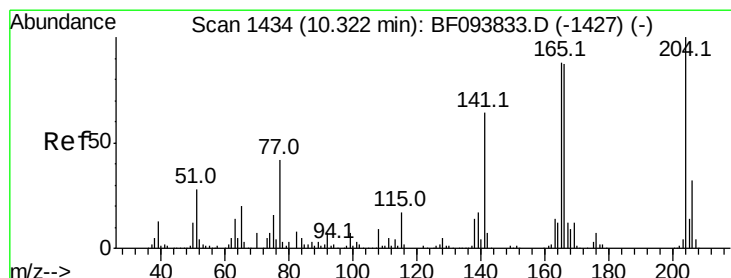


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



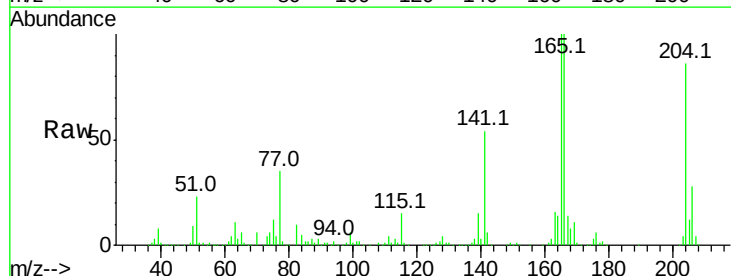
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3/28/2017 3:43:26 PM

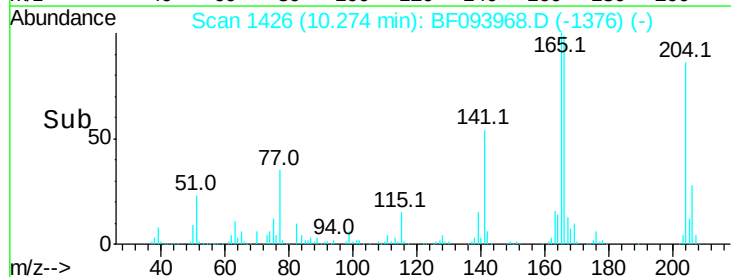
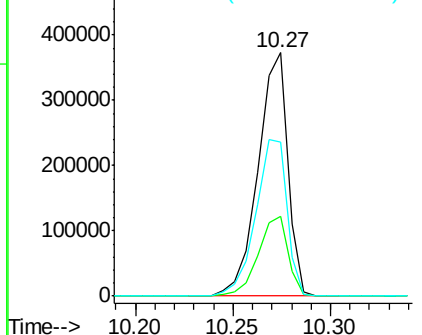


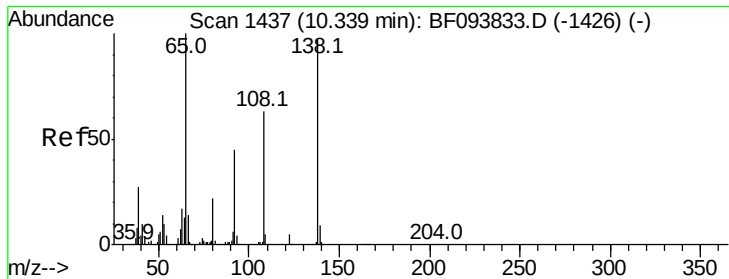
#60
4-Chlorophenyl-phenylether
Concen: 42.54 ng
RT: 10.27 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	63.5	60.8	91.2



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



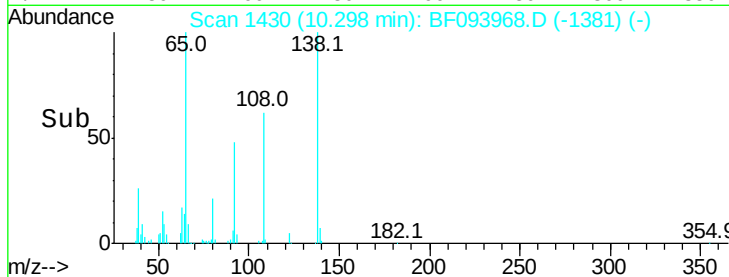
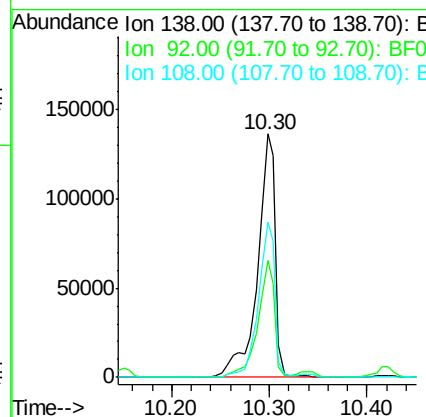
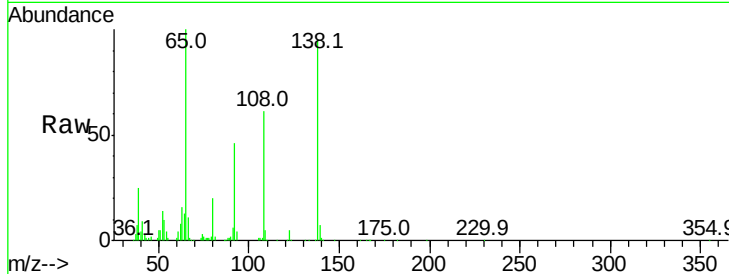


#61
4-Nitroaniline
Concen: 30.32 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

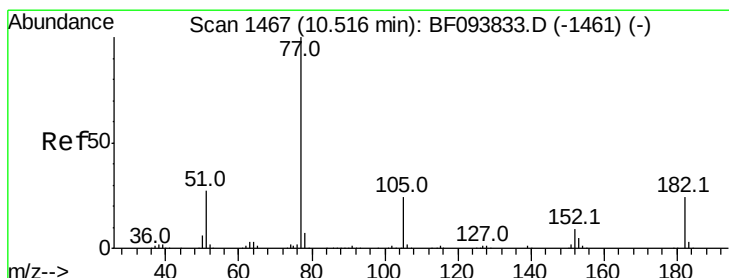
Tot Ion	Ratio	Lower	Upper
138	100		
92	47.8	21.8	61.8
108	64.0	42.3	82.3

Manual Integrations
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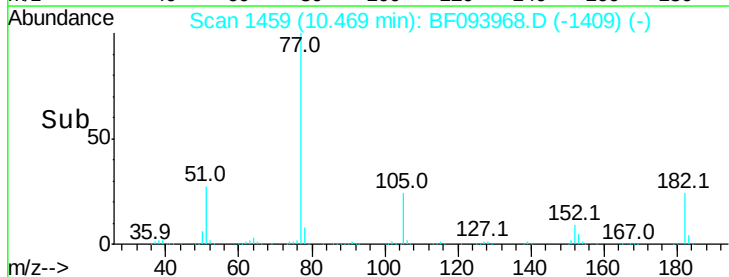
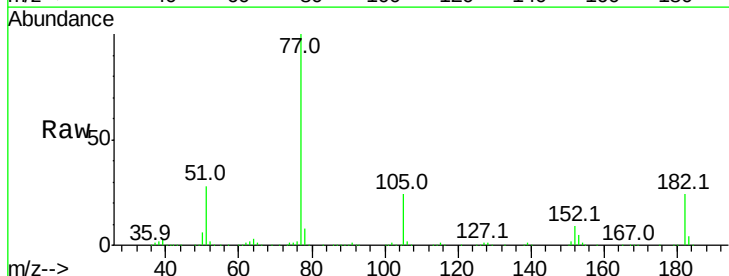
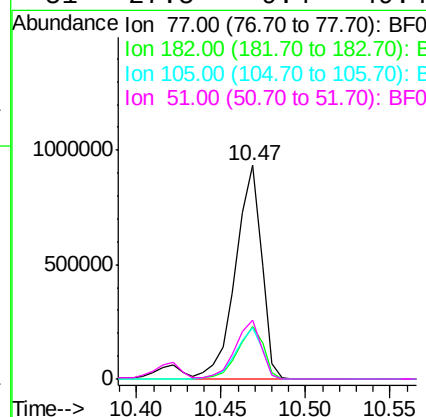
mohammad

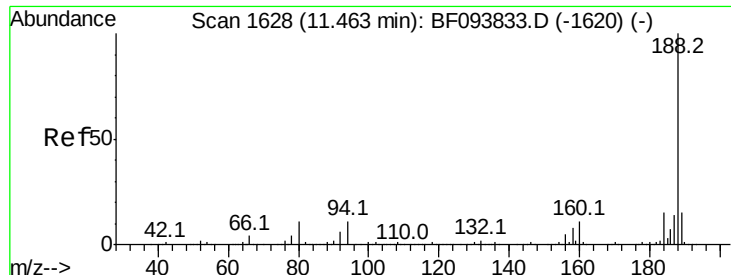
3/28/2017 3:43:26 PM



#62
Azobenzene
Concen: 47.50 ng
RT: 10.47 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.4	0.1	40.1
105	24.1	3.6	43.6
51	27.5	9.4	49.4



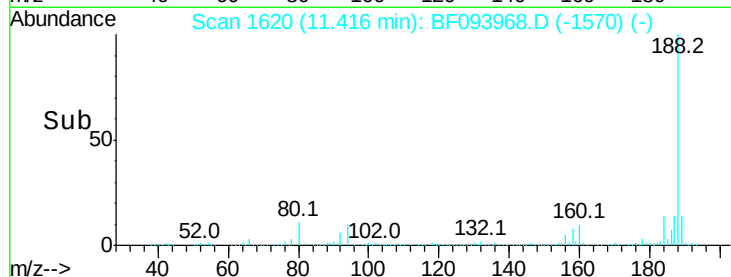
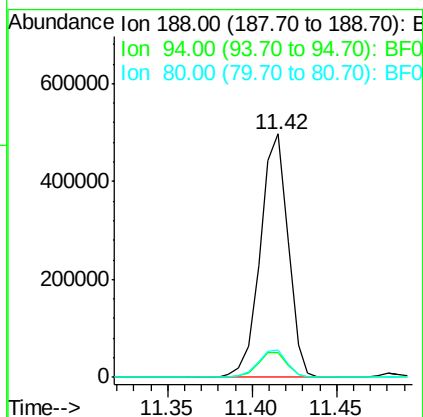
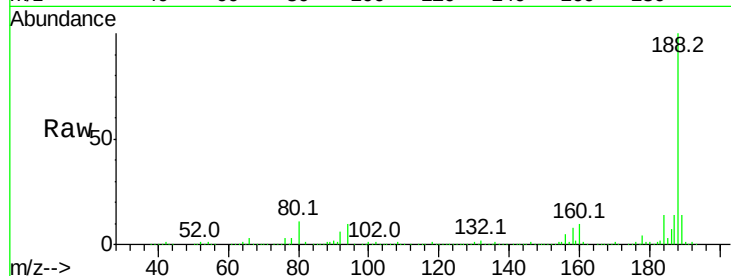


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

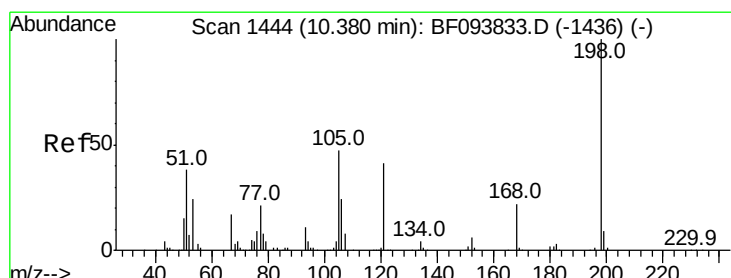
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.3		9.4	14.2
80	11.1		10.2	15.2

Manual Integrations
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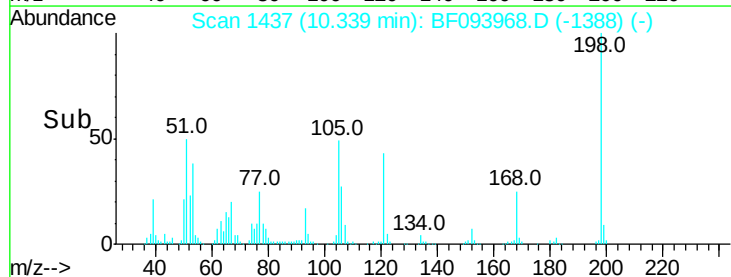
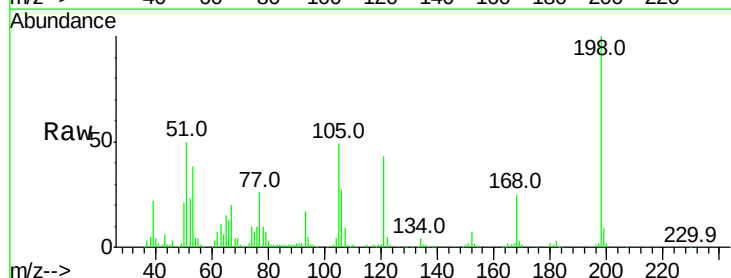
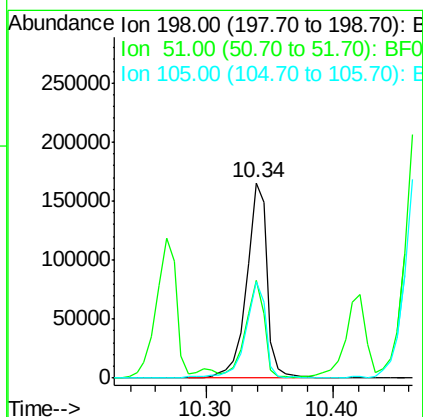
mohammad

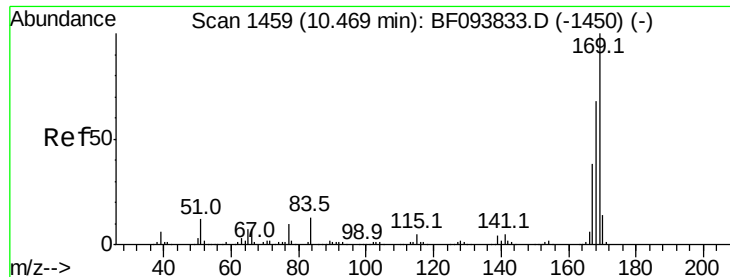
3/28/2017 3:43:26 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 53.10 ng
RT: 10.34 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	50.3		53.2	93.2#
105	49.2		45.8	85.8



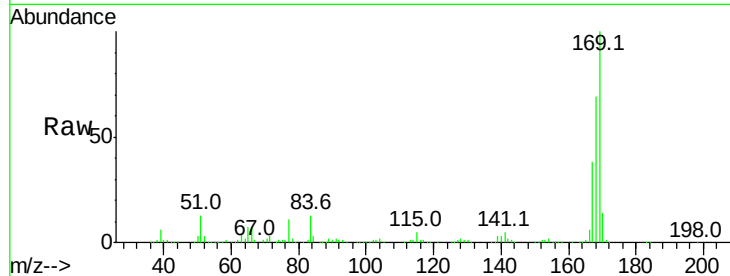


#65
 n-Nitrosodiphenylamine
 Concen: 30.96 ng
 RT: 10.42 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

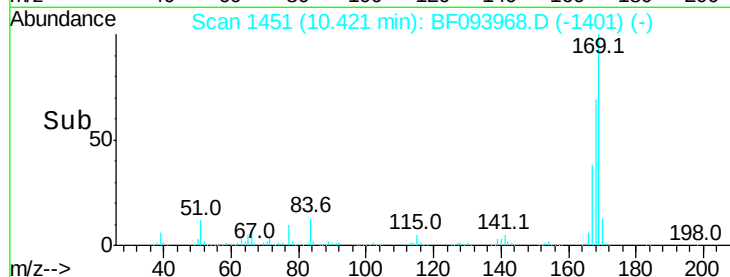
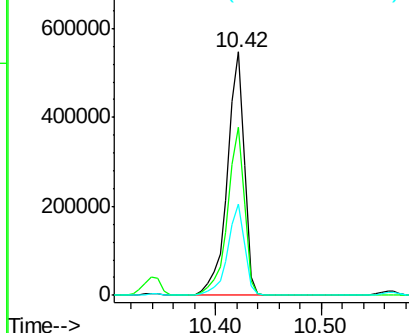
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	69.2	53.2	79.8	
167	37.6	29.5	44.3	

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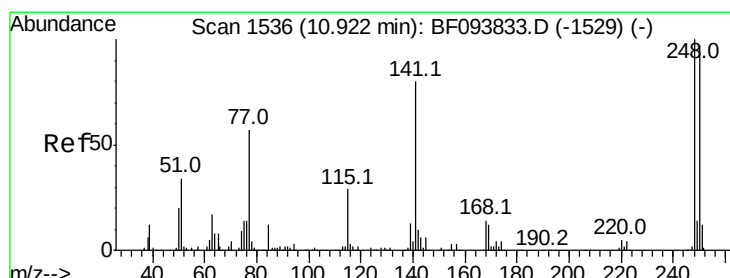


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E



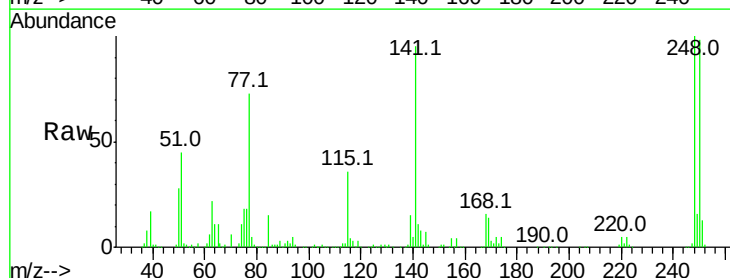
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3/28/2017 3:43:26 PM

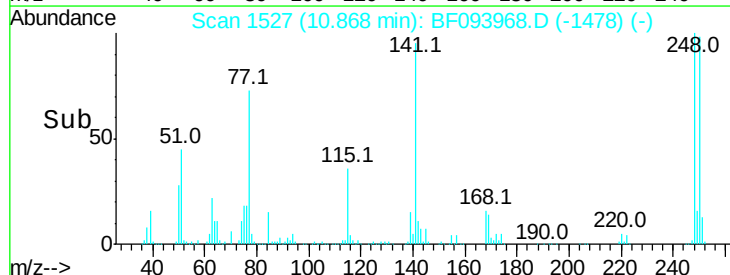
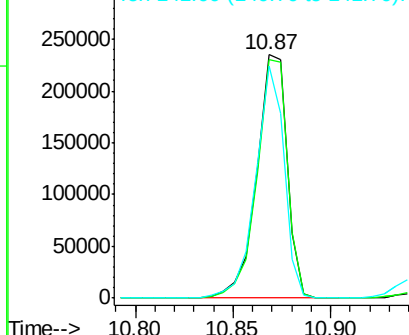


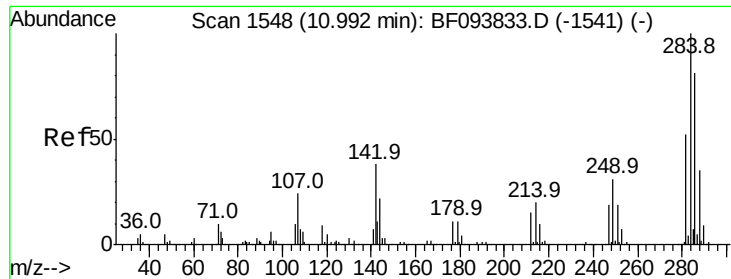
#66
 4-Bromophenyl-phenylether
 Concen: 45.45 ng
 RT: 10.87 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	98.2	76.8	115.2	
141	95.5	68.6	103.0	



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 46.57 ng

RT: 10.94 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

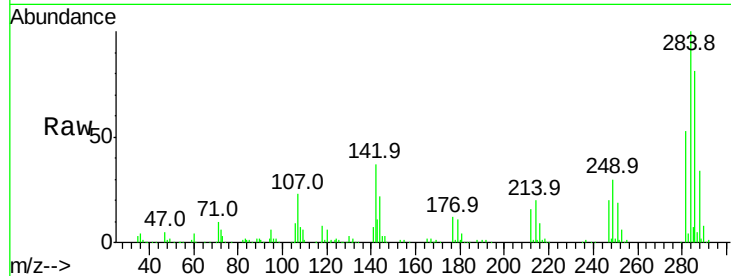
BNA_F

ClientSampleId :

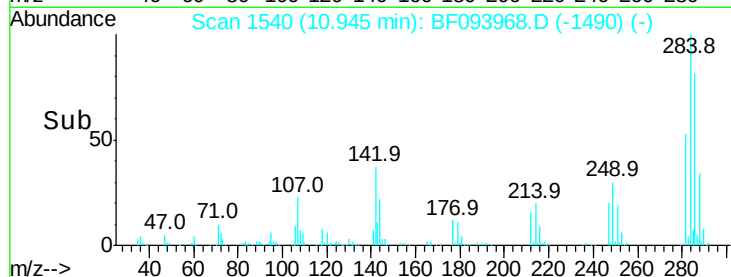
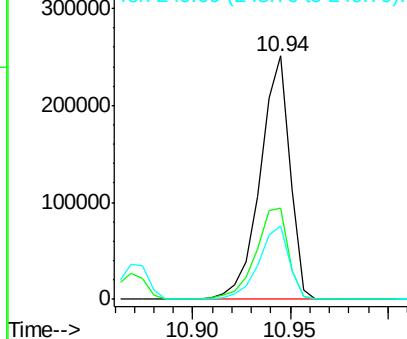
WC-B42-B51-001MSD

Tot Ion:	284	Resp:	264475
Ion Ratio	Lower	Upper	
284	100		
142	37.5	22.8	34.2#
249	30.1	24.0	36.0

Manual Integrations
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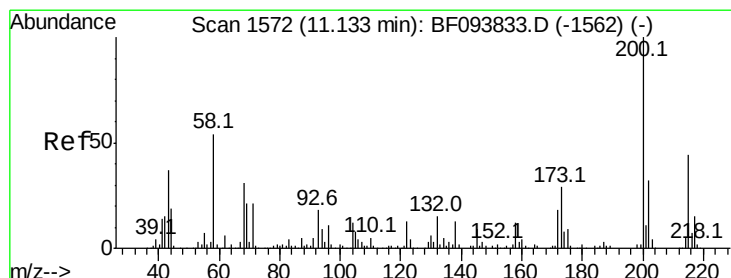


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



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3/28/2017 3:43:26 PM



#68

Atrazine

Concen: 18.83 ng

RT: 11.09 min Scan# 1564

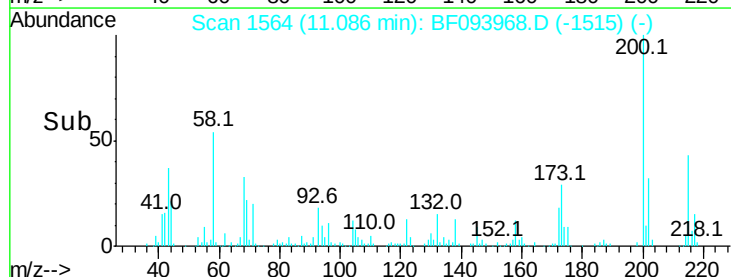
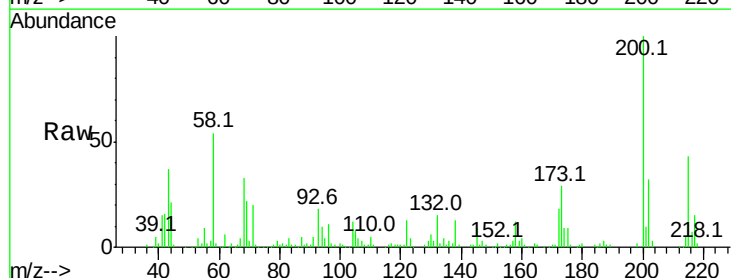
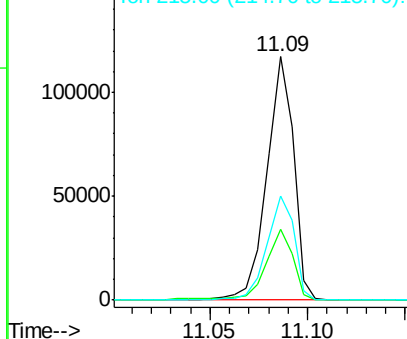
Delta R.T. -0.01 min

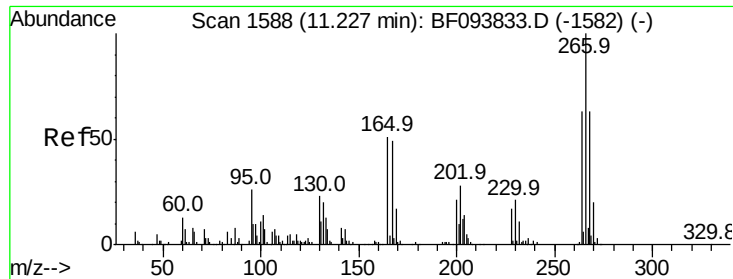
Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Tgt Ion:	200	Resp:	111243
Ion Ratio	Lower	Upper	
200	100		
173	29.1	6.3	46.3
215	43.0	27.2	67.2

Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



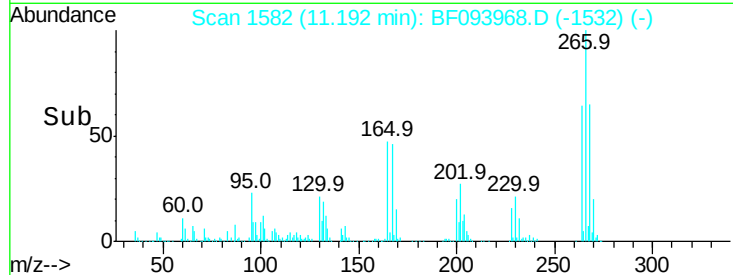
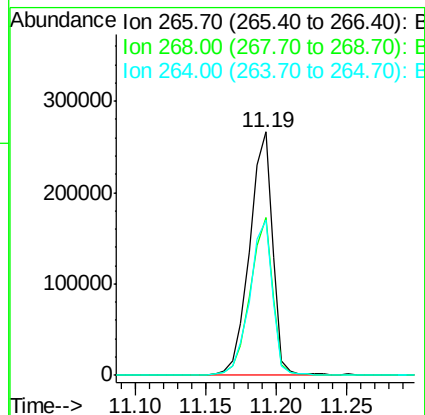
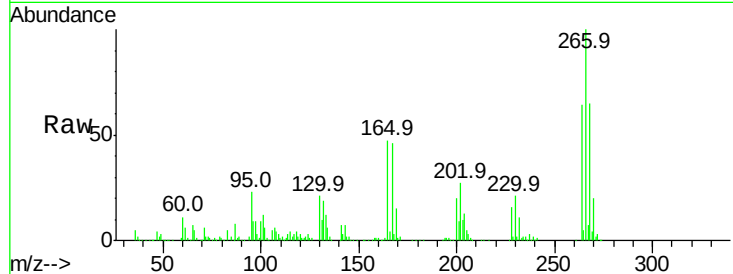


#69
 Pentachlorophenol
 Concen: 86.95 ng
 RT: 11.19 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

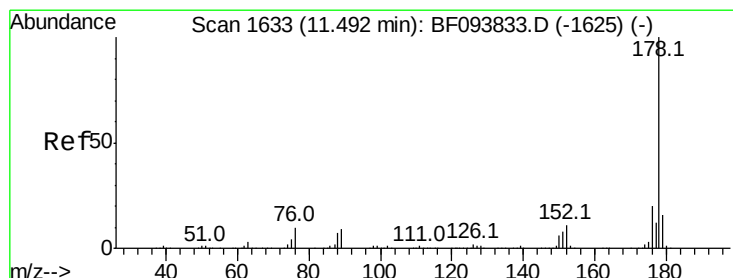
Tot Ion:	266	Resp:	307354
Ion Ratio		Lower	Upper
266	100		
268	64.8	51.1	76.7
264	63.9	51.7	77.5

Manual Integrations
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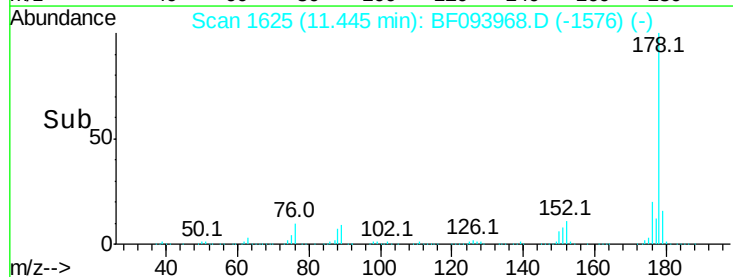
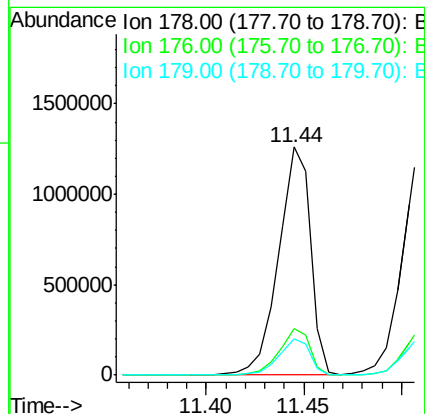
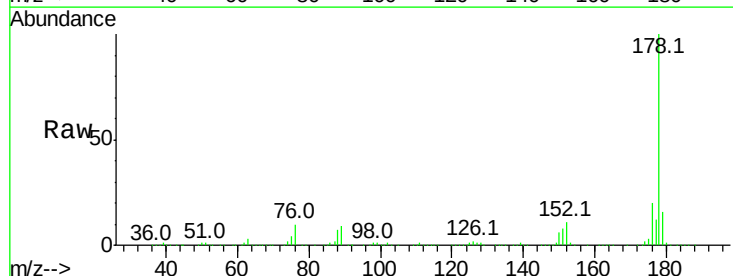
mohammad

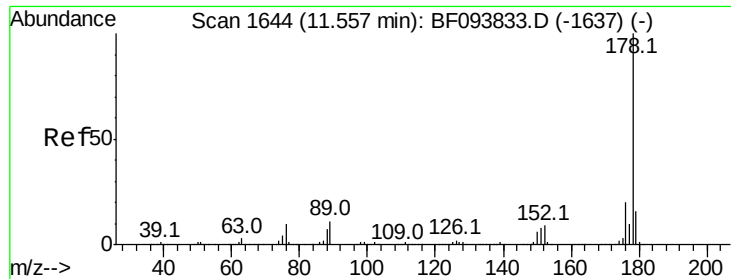
3/28/2017 3:43:26 PM



#70
 Phenanthrene
 Concen: 45.02 ng
 RT: 11.44 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion:	178	Resp:	1428469
Ion Ratio		Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.9	12.6	19.0



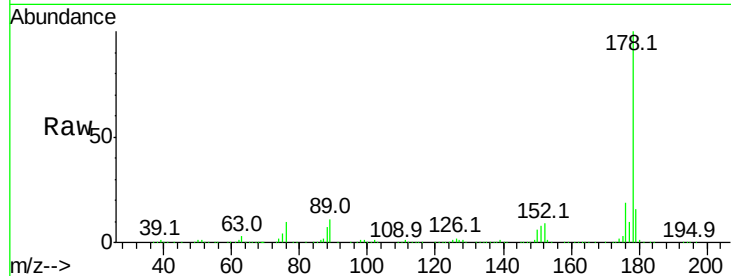


#71
 Anthracene
 Concen: 44.88 ng
 RT: 11.51 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

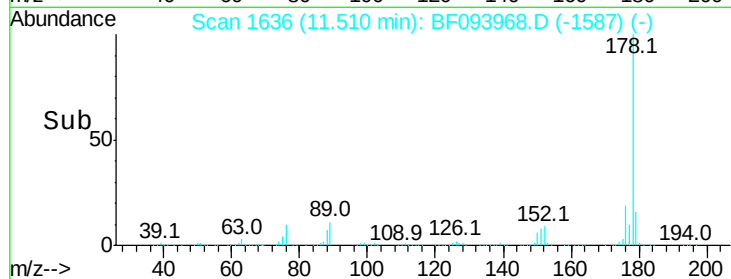
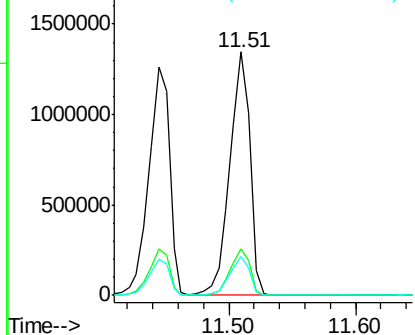
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion:178 Resp: 1466197
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.9 12.7 19.1

Manual Integrations
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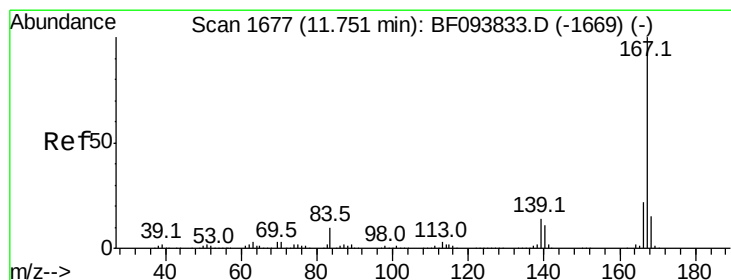


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



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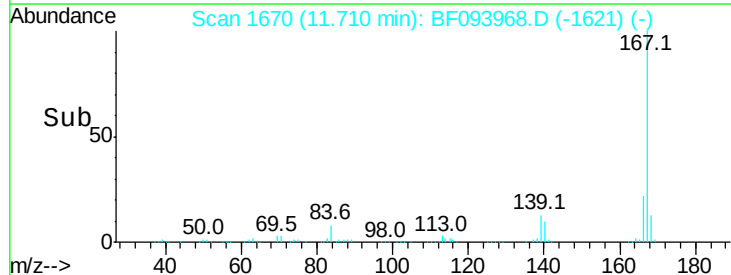
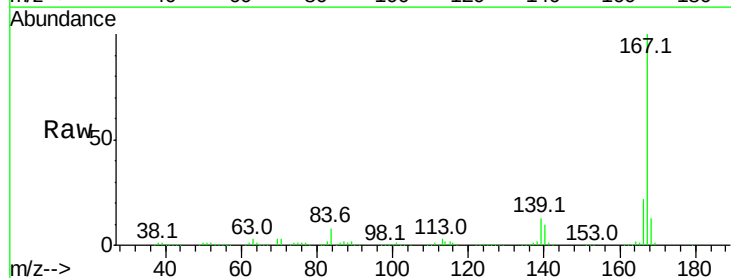
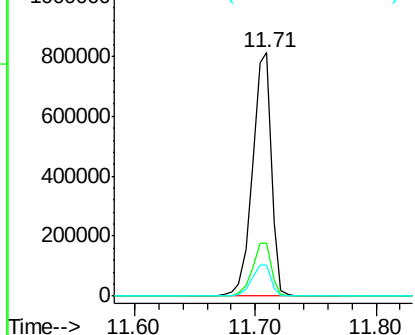
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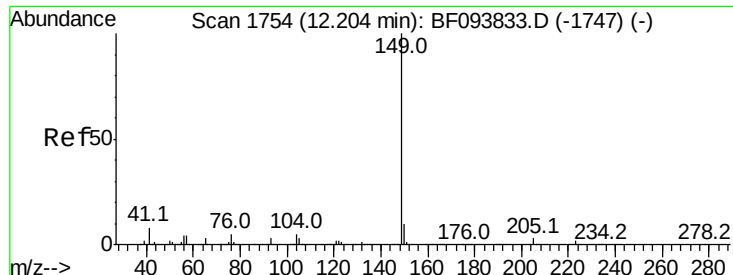


#72
 Carbazole
 Concen: 26.45 ng
 RT: 11.71 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion:167 Resp: 886018
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.1 27.1
 139 13.0 11.7 17.5

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 46.97 ng

RT: 12.16 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:149 Resp: 1636478

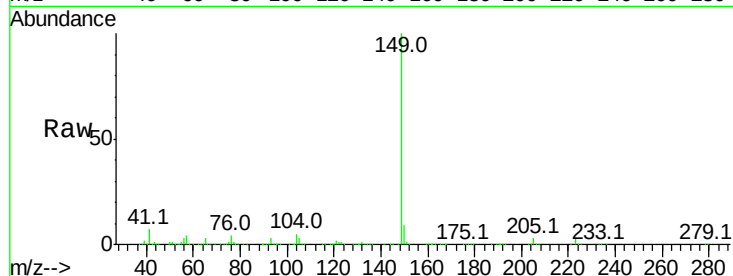
Ion Ratio Lower Upper

149 100

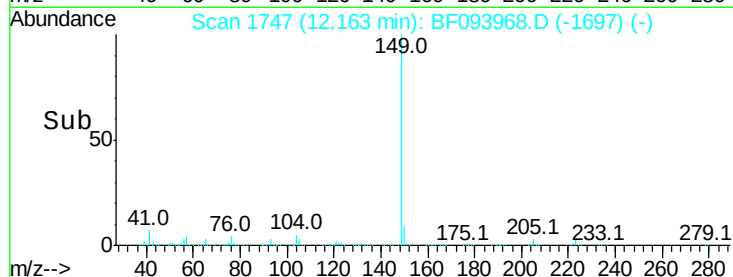
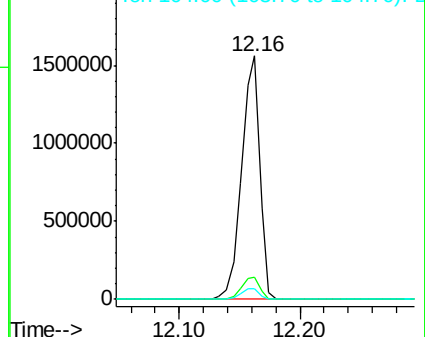
150 9.2 7.7 11.5

104 4.6 4.0 6.0

Manual Integrations
APPROVED

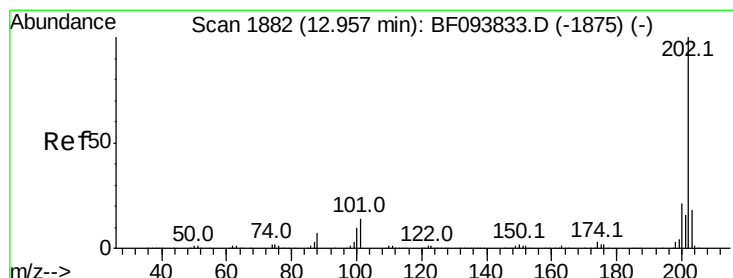


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



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3/28/2017 3:43:26 PM



#74

Fluoranthene

Concen: 45.48 ng

RT: 12.91 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

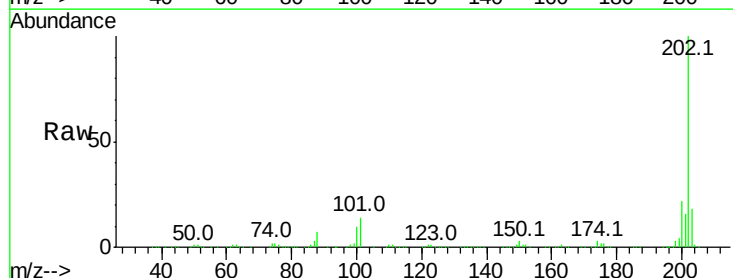
Tgt Ion:202 Resp: 1477793

Ion Ratio Lower Upper

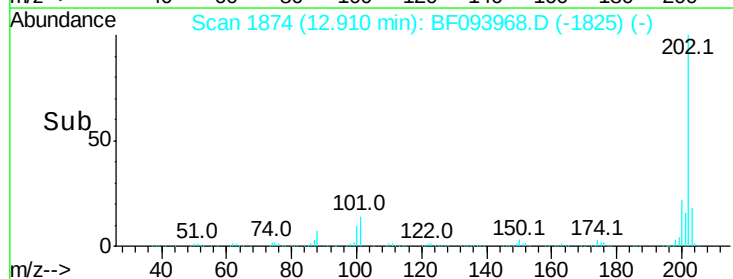
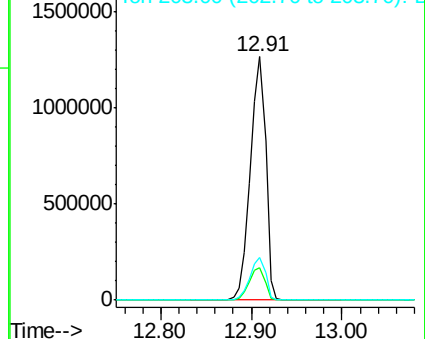
202 100

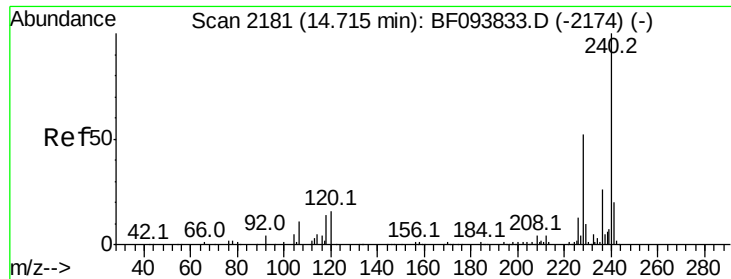
101 13.5 0.0 33.2

203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.67 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:240 Resp: 447419

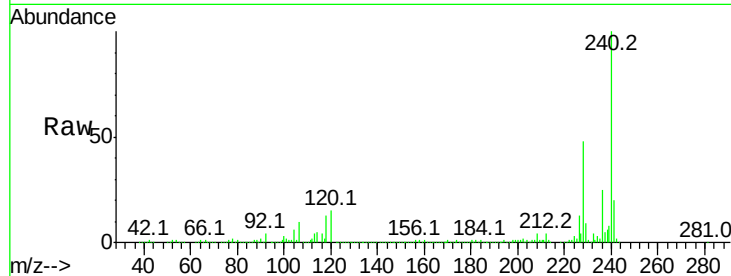
Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

236 25.0 20.5 30.7

Manual Integrations
APPROVED

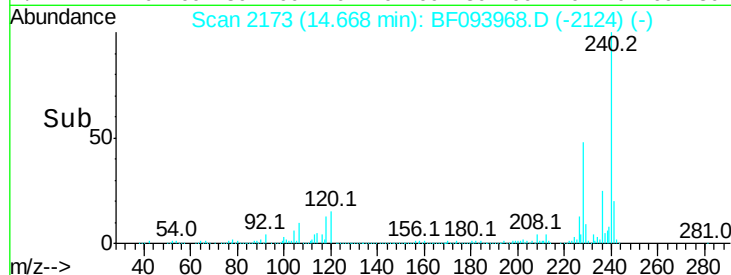


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

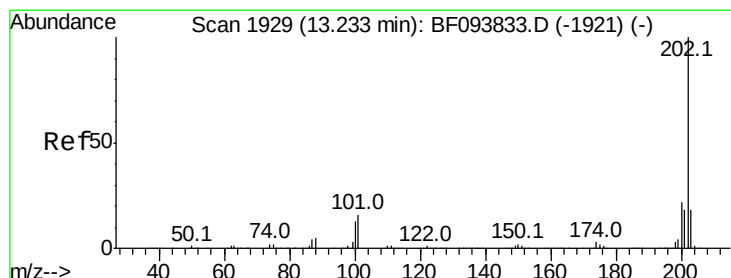
14.67



Time--> 14.60 14.70

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3/28/2017 3:43:26 PM



#77

Pyrene

Concen: 45.49 ng

RT: 13.19 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

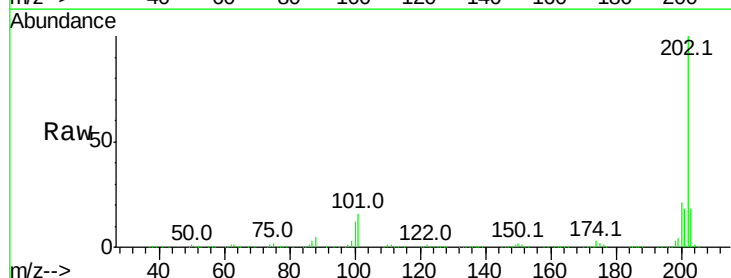
Tgt Ion:202 Resp: 1477186

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

203 17.7 14.4 21.6

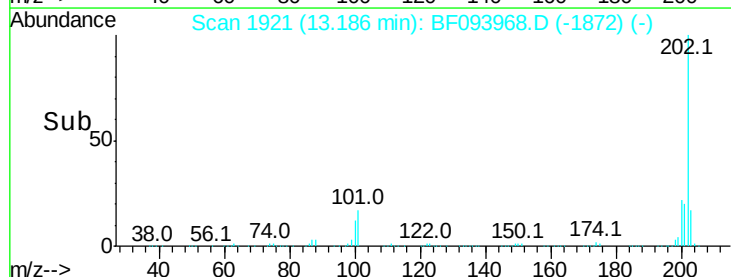


Abundance Ion 202.00 (201.70 to 202.70): E

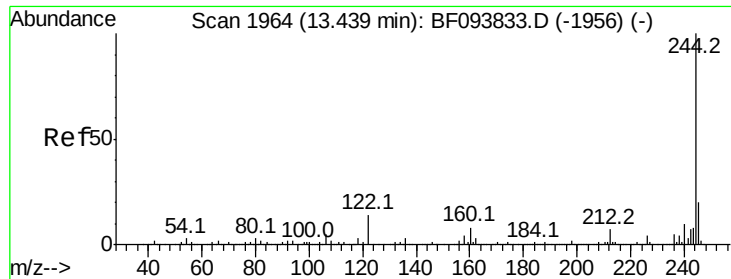
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

13.19



Time--> 13.10 13.20 13.30



#78

Terphenyl-d14

Concen: 80.28 ng

RT: 13.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:244 Resp: 1602524

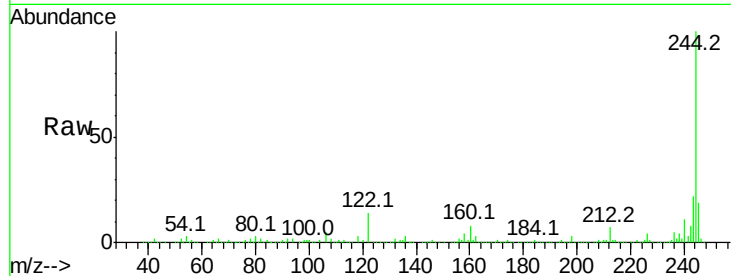
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 13.9 10.3 15.5

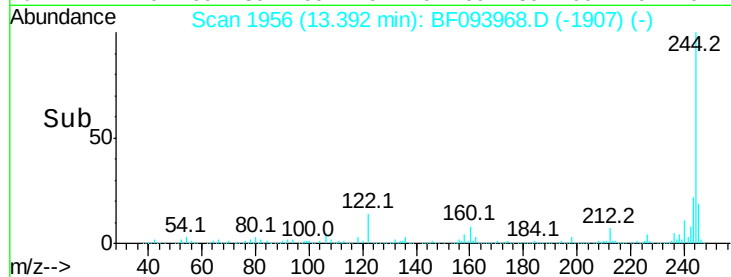
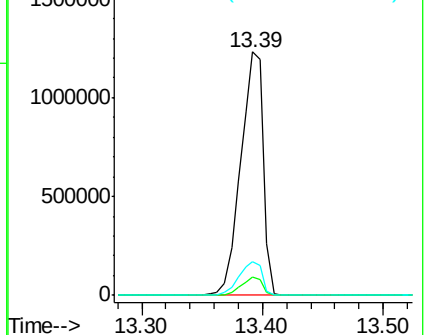
Manual Integrations
APPROVED



Abundance Ion 244.00 (243.70 to 244.70): E

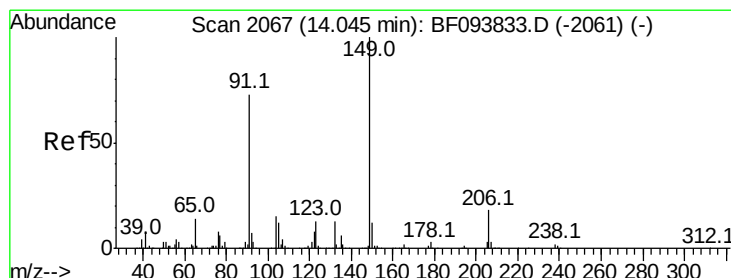
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



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3/28/2017 3:43:26 PM



#79

Butylbenzylphthalate

Concen: 50.81 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

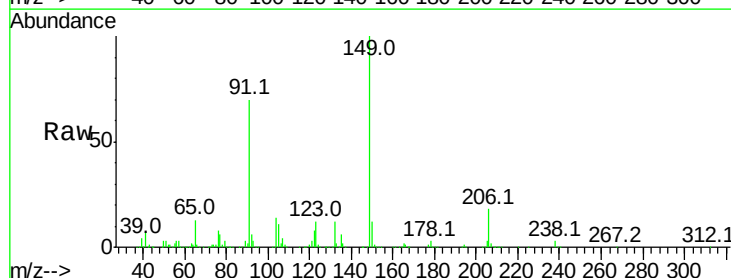
Tgt Ion:149 Resp: 703018

Ion Ratio Lower Upper

149 100

91 70.5 45.0 67.4#

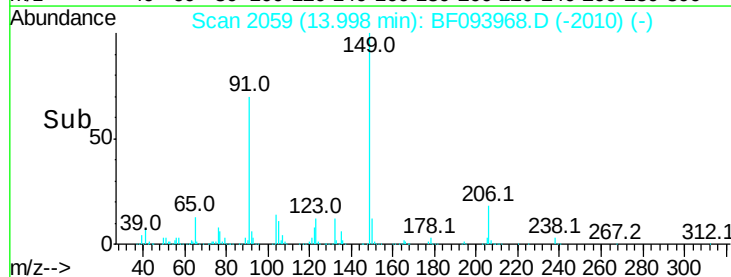
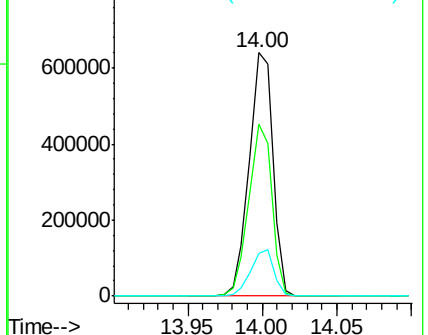
206 17.7 17.0 25.6

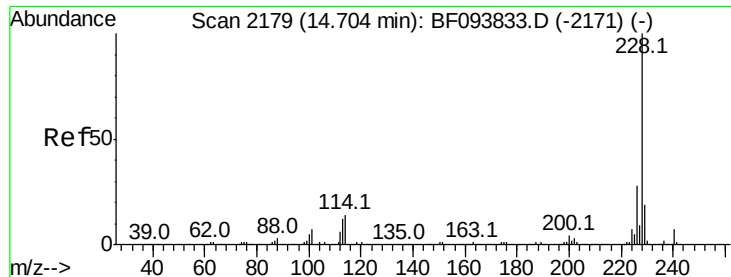


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



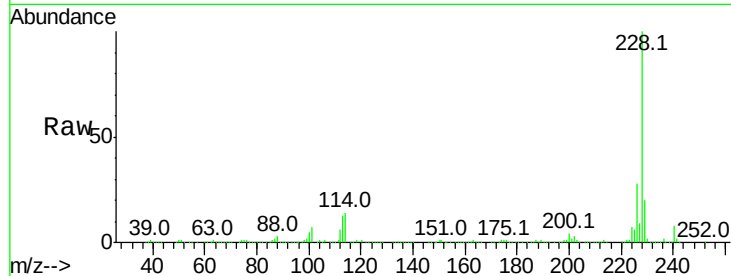


#80
Benzo(a)anthracene
Concen: 46.21 ng
RT: 14.66 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

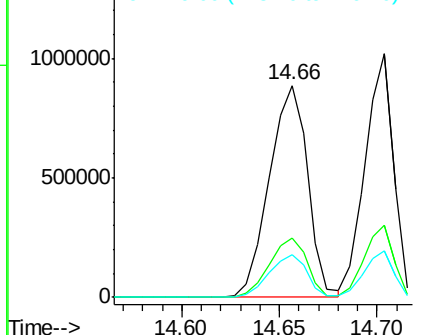
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.9	16.3	24.5

Manual Integrations
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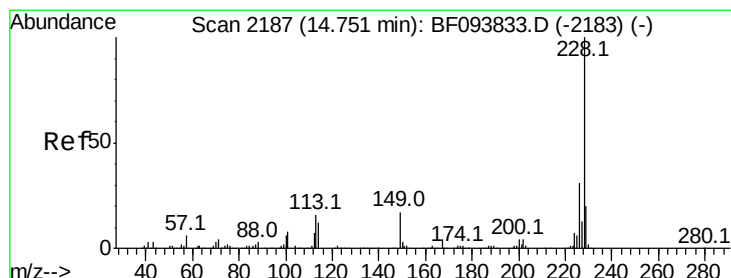
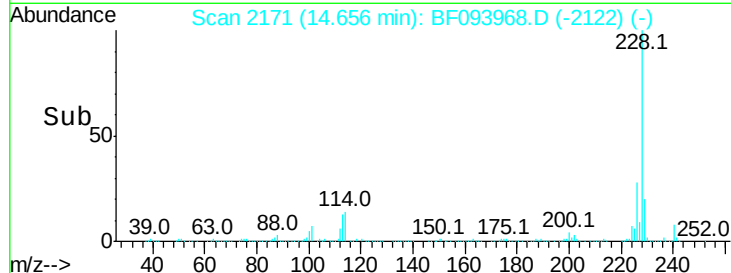


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



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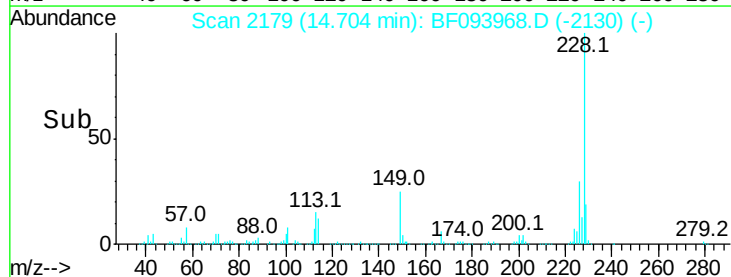
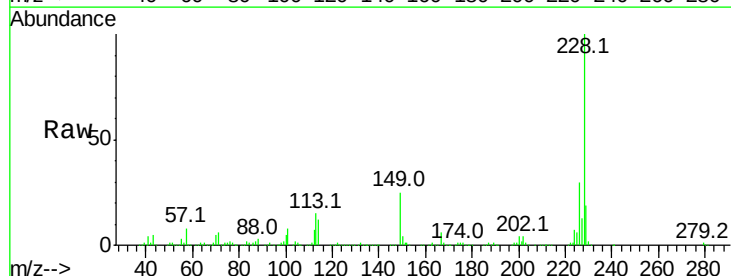
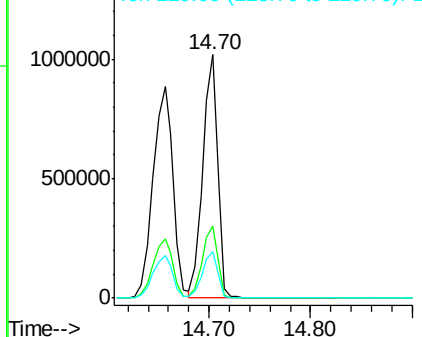
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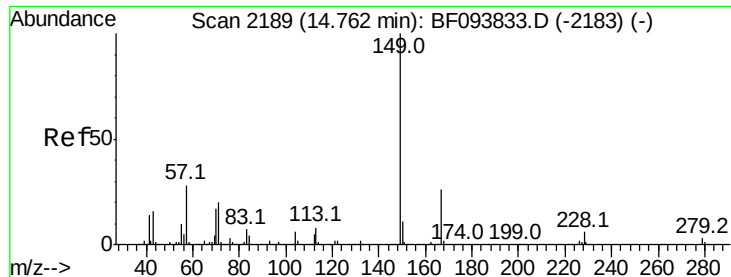


#82
Chrysene
Concen: 42.82 ng
RT: 14.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	19.2	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



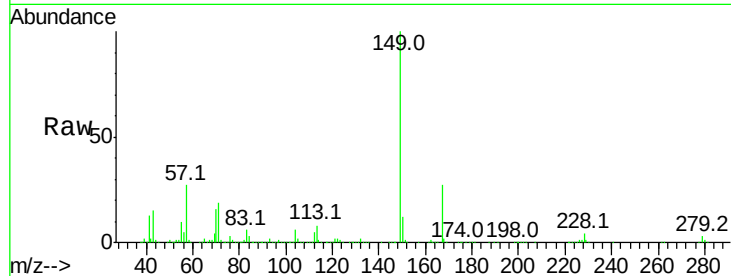


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.84 ng
 RT: 14.72 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	3.0	1.9	2.9

Manual Integrations
 APPROVED

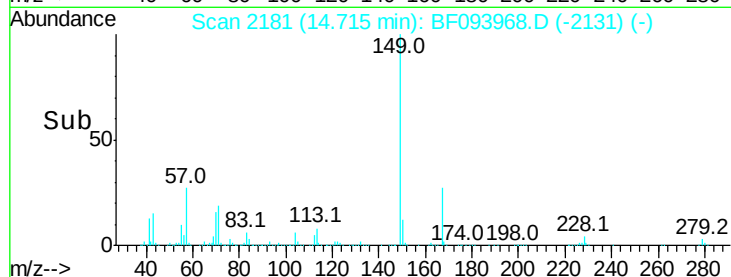
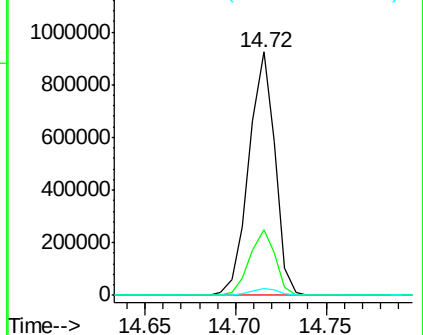


Abundance

Ion 149.00 (148.70 to 149.70): E

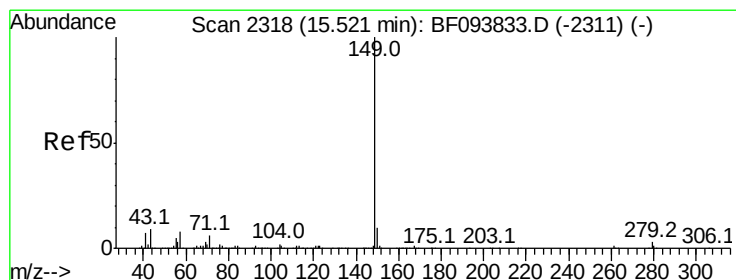
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



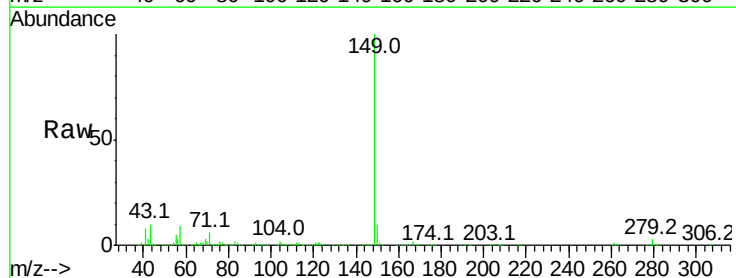
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3/28/2017 3:43:26 PM



#84
 Di-n-octyl phthalate
 Concen: 50.60 ng
 RT: 15.47 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.5	8.5	12.7

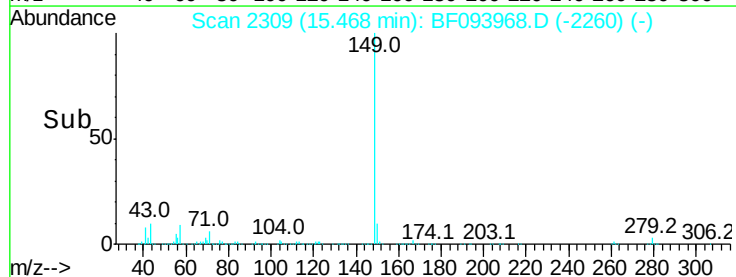
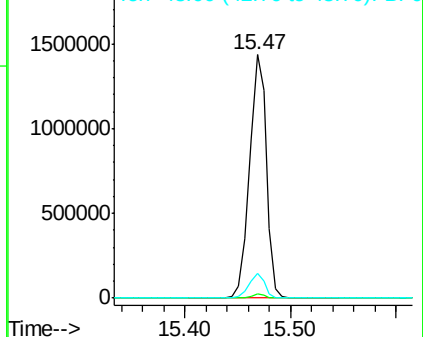


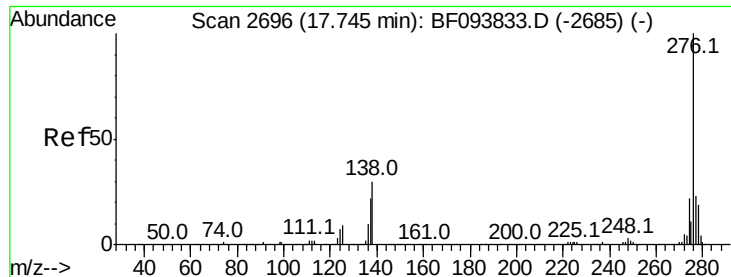
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 40.28 ng

RT: 17.67 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

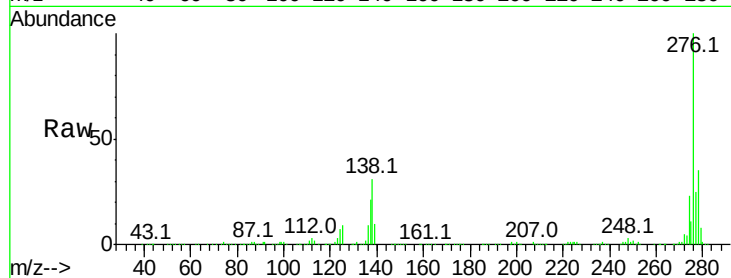
BNA_F

ClientSampleId :

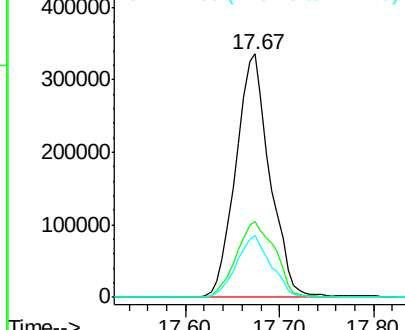
WC-B42-B51-001MSD

Tot Ion:	276	Resp:	844652
Ion Ratio	Lower	Upper	
276	100		
138	35.5	27.8	41.6
277	25.9	20.2	30.4

Manual Integrations
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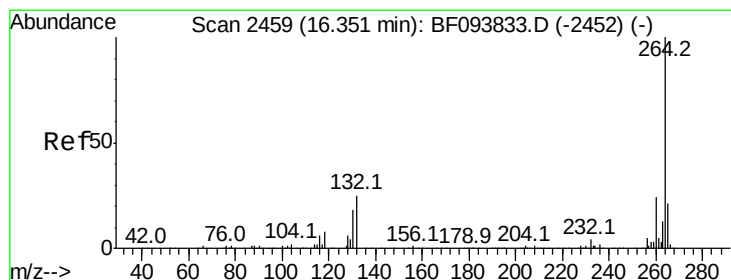
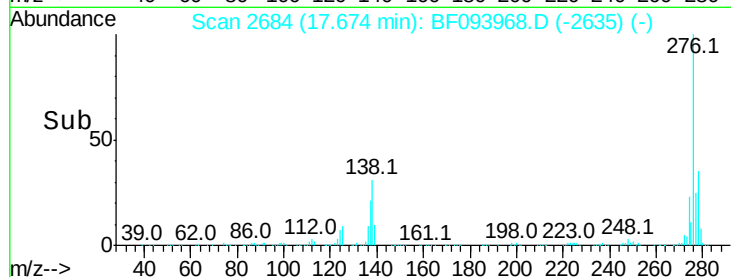


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



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3/28/2017 3:43:26 PM



#86

Perylene-d12

Concen: 20.00 ng

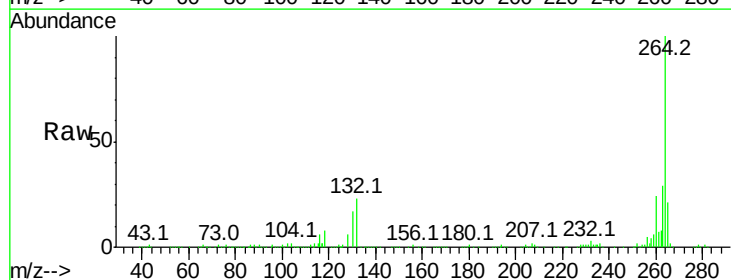
RT: 16.30 min Scan# 2450

Delta R.T. -0.01 min

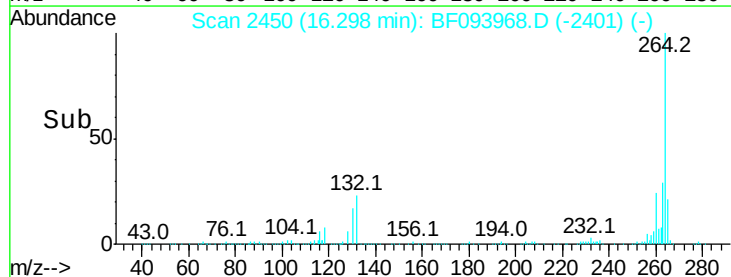
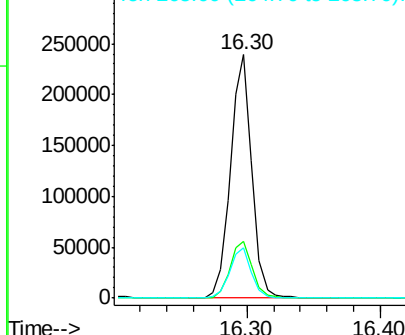
Lab File: BF093968.D

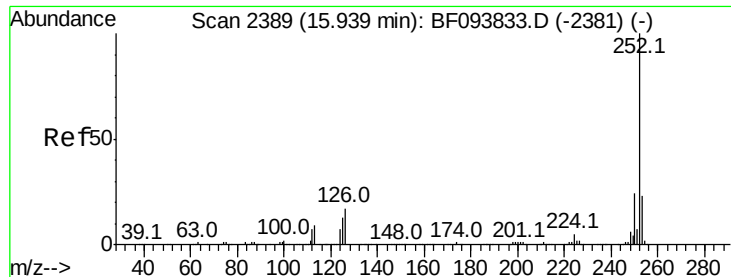
Acq: 28 Mar 2017 3:21

Tgt Ion:	264	Resp:	268409
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	20.7	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 61.58 ng

RT: 15.89 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001MSD

Tot Ion:252 Resp: 1013200

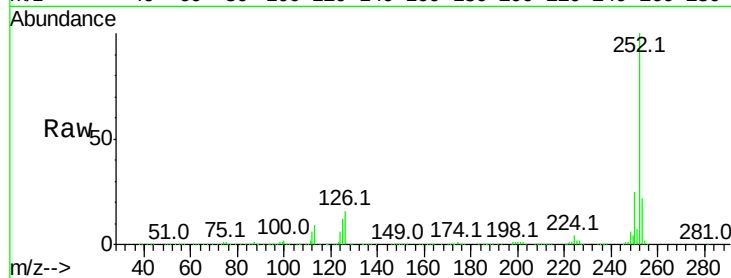
Ion Ratio Lower Upper

252 100

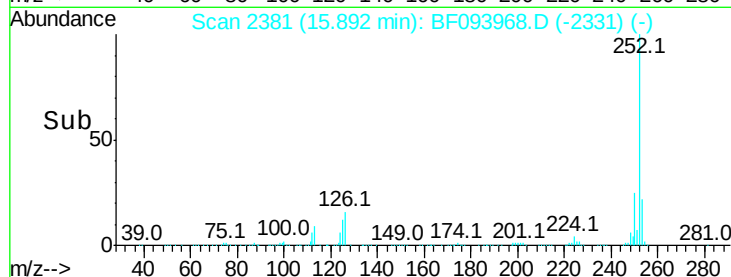
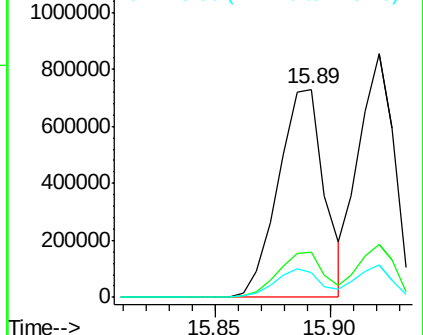
253 22.0 18.1 27.1

125 12.0 9.8 14.8

Manual Integrations
APPROVED

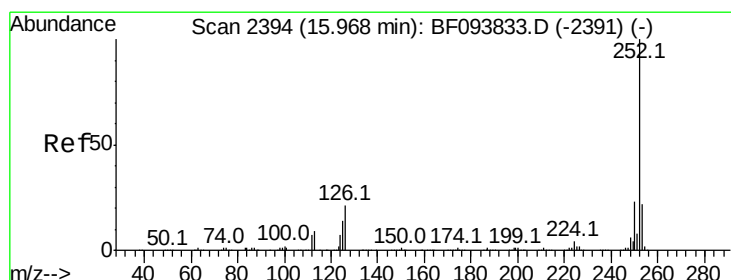


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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3/28/2017 3:43:26 PM



#88

Benzo(k)fluoranthene

Concen: 57.53 ng

RT: 15.92 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BF093968.D

Acq: 28 Mar 2017 3:21

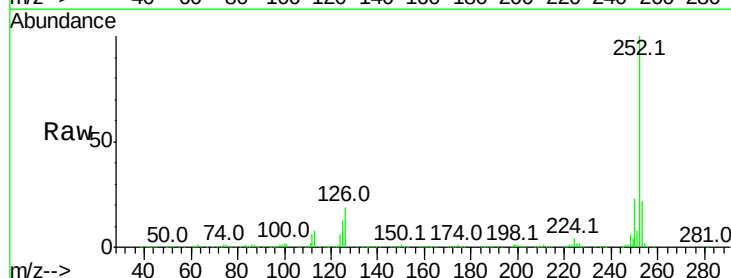
Tgt Ion:252 Resp: 926133

Ion Ratio Lower Upper

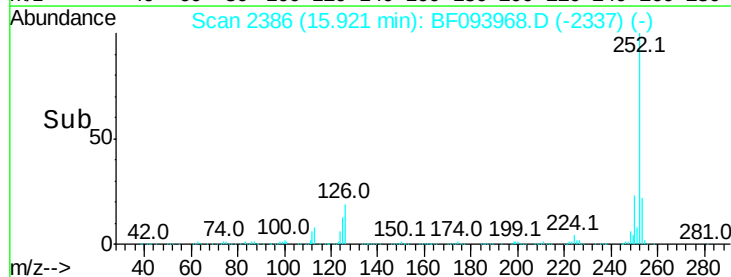
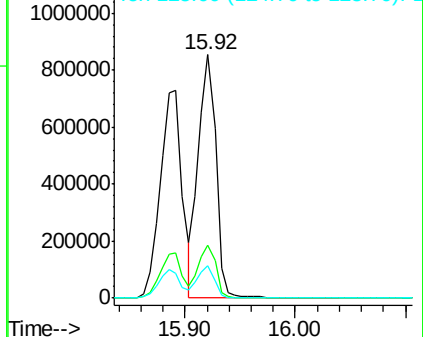
252 100

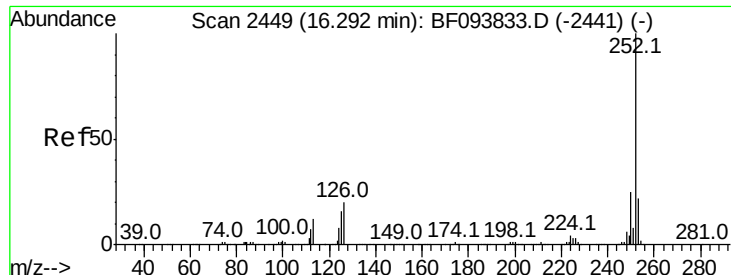
253 21.9 18.4 27.6

125 13.2 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



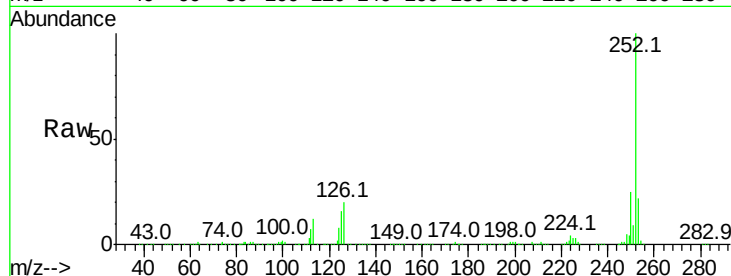


#89
Benzo(a)pyrene
Concen: 55.89 ng
RT: 16.24 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

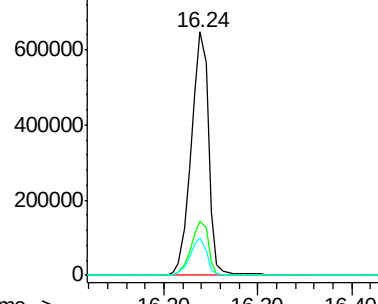
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.6	11.0	16.4

Manual Integrations
APPROVED

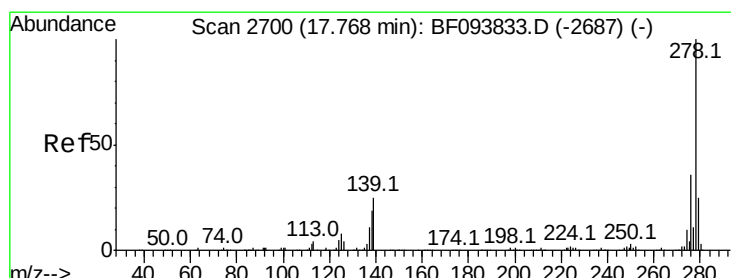
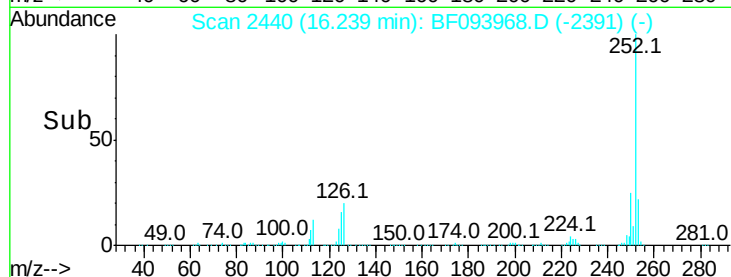


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



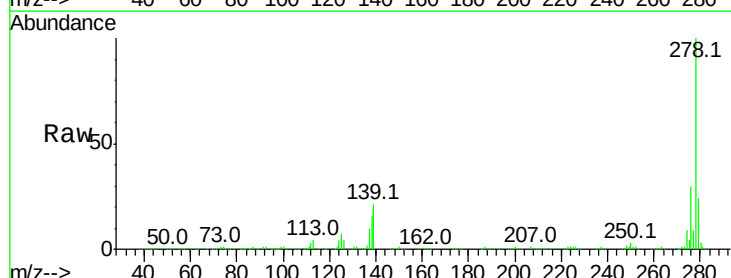
mohammad

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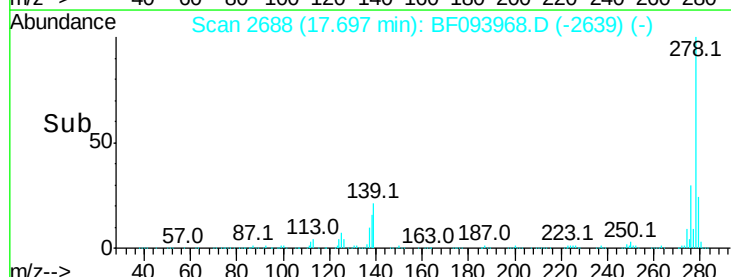
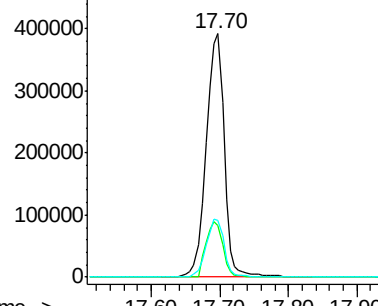


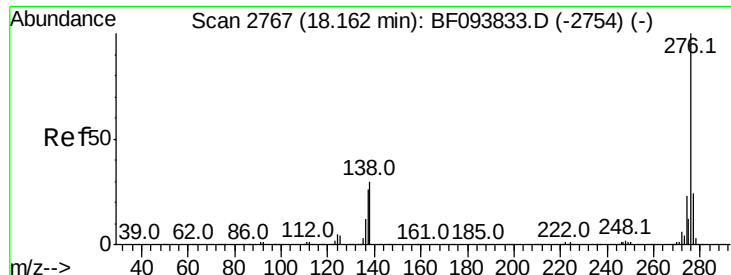
#90
Dibenzo(a,h)anthracene
Concen: 55.83 ng
RT: 17.70 min Scan# 2688
Delta R.T. -0.01 min
Lab File: BF093968.D
Acq: 28 Mar 2017 3:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.6	24.8
279	23.5	19.3	28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



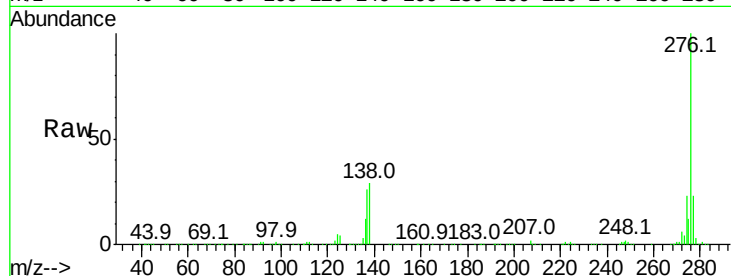


#91
 Benzo(a,h,i)perylene
 Concen: 52.71 ng
 RT: 18.08 min Scan# 2753
 Delta R.T. -0.02 min
 Lab File: BF093968.D
 Acq: 28 Mar 2017 3:21

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	29.4	25.4	38.0

Manual Integrations
 APPROVED

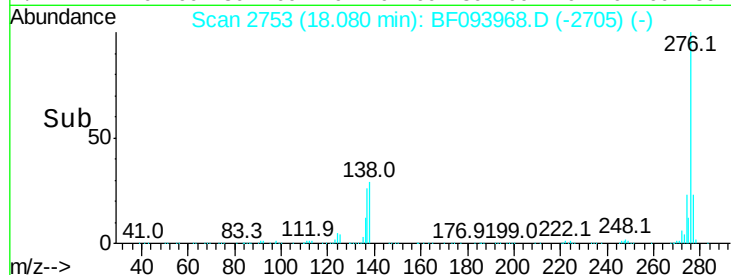
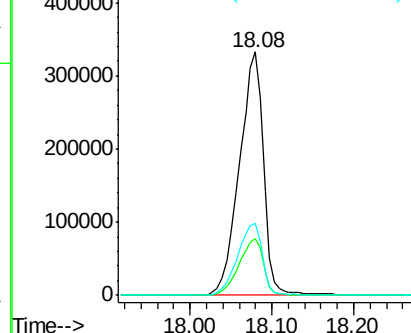


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



mohammad

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