

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093986.D
 Acq On : 28 Mar 2017 11:37
 Operator : SJ/MA
 Sample : I2411-03MS
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Manual Integrations
 APPROVED

mohammad
 3/28/2017 3:43:43 PM

Quant Time: Mar 28 13:47:35 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	173398	20.00	ng	-0.01
21) Naphthalene-d8	7.45	136	696248	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	297361	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	488344	20.00	ng	0.00
75) Chrysene-d12	14.67	240	305452	20.00	ng	-0.01
86) Perylene-d12	16.30	264	286256	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	4.48	112	1484886	144.64	ng	0.00
7) Phenol-d6	5.55	99	1896850	149.35	ng	0.00
23) Nitrobenzene-d5	6.59	82	1168756	95.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	354283	150.77	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	1778513	91.23	ng	0.00
78) Terphenyl-d14	13.39	244	1266089	92.91	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.36	88	205183	41.60	ng	99
3) Pyridine	2.83	79	577040	42.93	ng	97
4) n-Nitrosodimethylamine	2.80	42	273634	49.47	ng	91
6) Aniline	5.57	93	383714	21.72	ng	# 80
8) 2-Chlorophenol	5.70	128	577282	51.16	ng	98
9) Benzaldehyde	5.43	77	136075	15.87	ng	98
10) Phenol	5.56	94	699876	48.43	ng	100
11) bis(2-Chloroethyl)ether	5.65	93	549533	48.66	ng	97
12) 1,3-Dichlorobenzene	5.87	146	618361	48.85	ng	99
13) 1,4-Dichlorobenzene	5.96	146	630973	49.22	ng	98
14) 1,2-Dichlorobenzene	6.14	146	579921	49.12	ng	95
15) Benzyl Alcohol	6.11	79	478215	51.44	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.27	45	782371	44.95	ng	98
17) 2-Methylphenol	6.25	107	493510	51.07	ng	98
18) Hexachloroethane	6.53	117	214764	47.66	ng	# 87
19) n-Nitroso-di-n-propylamine	6.43	70	396205	48.54	ng	97
20) 3+4-Methylphenols	6.43	107	591920	50.57	ng	# 66
22) Acetophenone	6.42	105	812135	52.34	ng	# 89
24) Nitrobenzene	6.62	77	593514	49.33	ng	94
25) Isophorone	6.90	82	1081326	50.44	ng	96
26) 2-Nitrophenol	6.99	139	318279	55.47	ng	94
27) 2,4-Dimethylphenol	7.06	122	515736	52.16	ng	98
28) bis(2-Chloroethoxy)methane	7.16	93	687672	48.64	ng	100
29) 2,4-Dichlorophenol	7.29	162	486767	52.66	ng	98
30) 1,2,4-Trichlorobenzene	7.38	180	490533	51.52	ng	99
31) Naphthalene	7.47	128	1625652	48.56	ng	100
32) Benzoic acid	7.17	122	119044	18.09	ng	98
33) 4-Chloroaniline	7.53	127	128636	9.48	ng	95
34) Hexachlorobutadiene	7.63	225	244278	50.03	ng	99
35) Caprolactam	7.99	113	154671m	52.47	ng	
36) 4-Chloro-3-methylphenol	8.16	107	517942	53.62	ng	89
37) 2-Methylnaphthalene	8.32	142	1102841	49.42	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.52	216	414374	50.94	ng	100
40) Hexachlorocyclopentadiene	8.52	237	255423	67.10	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.67	196	319818	55.57	nq	97
43) 2,4,5-Trichlorophenol	8.72	196	321381	51.61	nq	95
45) 1,1'-Biphenyl	8.89	154	1210296	50.46	nq	98
46) 2-Chloronaphthalene	8.92	162	959688	51.11	nq	96
47) 2-Nitroaniline	9.04	65	290985	52.24	nq	# 81
48) Acenaphthylene	9.42	152	1496382	47.96	nq	99
49) Dimethylphthalate	9.28	163	1221823	57.80	nq	100
50) 2,6-Dinitrotoluene	9.35	165	253590	52.33	nq	# 88
51) Acenaphthene	9.63	154	892297	49.01	nq	99
52) 3-Nitroaniline	9.54	138	139568	24.53	nq	92
53) 2,4-Dinitrophenol	9.67	184	98451	40.42	nq	# 68
54) Dibenzofuran	9.85	168	1277356	51.54	nq	99
55) 4-Nitrophenol	9.78	139	412170	92.50	nq	# 69
56) 2,4-Dinitrotoluene	9.84	165	304822	50.08	nq	# 73
57) Fluorene	10.27	166	928260	45.16	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.00	232	230137	53.86	nq	99
59) Diethylphthalate	10.15	149	1087964	52.08	nq	99
60) 4-Chlorophenyl-phenylether	10.27	204	409459	46.76	nq	90
61) 4-Nitroaniline	10.30	138	242921	44.49	nq	97
62) Azobenzene	10.47	77	1031371	52.19	nq	95
64) 4,6-Dinitro-2-methylphenol	10.34	198	90477	30.25	nq	# 75
65) n-Nitrosodiphenylamine	10.42	169	900262	53.31	nq	97
66) 4-Bromophenyl-phenylether	10.87	248	252406	52.55	nq	95
67) Hexachlorobenzene	10.95	284	258654	53.20	nq	# 91
68) Atrazine	11.09	200	264714	52.33	nq	96
69) Pentachlorophenol	11.19	266	257319	85.03	nq	98
70) Phenanthrene	11.45	178	1318920	48.55	nq	100
71) Anthracene	11.51	178	1360599	48.64	nq	99
72) Carbazole	11.71	167	1261579	43.99	nq	98
73) Di-n-butylphthalate	12.16	149	1580709	52.99	nq	99
74) Fluoranthene	12.90	202	1199141	43.11	nq	98
76) Benzidine	13.07	184	439820	36.38	nq	# 92
77) Pyrene	13.18	202	1175948	53.05	nq	99
79) Butylbenzylphthalate	14.00	149	580789	61.49	nq	# 87
80) Benzo(a)anthracene	14.66	228	899643	50.51	nq	98
81) 3,3'-Dichlorobenzidine	14.63	252	257116	40.39	nq	# 96
82) Chrysene	14.70	228	799764	48.38	nq	100
83) Bis(2-ethylhexyl)phthalate	14.72	149	767124	59.53	nq	# 99
84) Di-n-octyl phthalate	15.47	149	1209318	56.18	nq	98
85) Indeno(1,2,3-cd)pyrene	17.67	276	816737	57.05	nq	99
87) Benzo(b)fluoranthene	15.89	252	896613	51.10	nq	98
88) Benzo(k)fluoranthene	15.92	252	780542m	45.46	nq	
89) Benzo(a)pyrene	16.24	252	817070	50.57	nq	98
90) Dibenzo(a,h)anthracene	17.69	278	693834	50.70	nq	98
91) Benzo(g,h,i)perylene	18.08	276	655870	47.56	nq	98

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

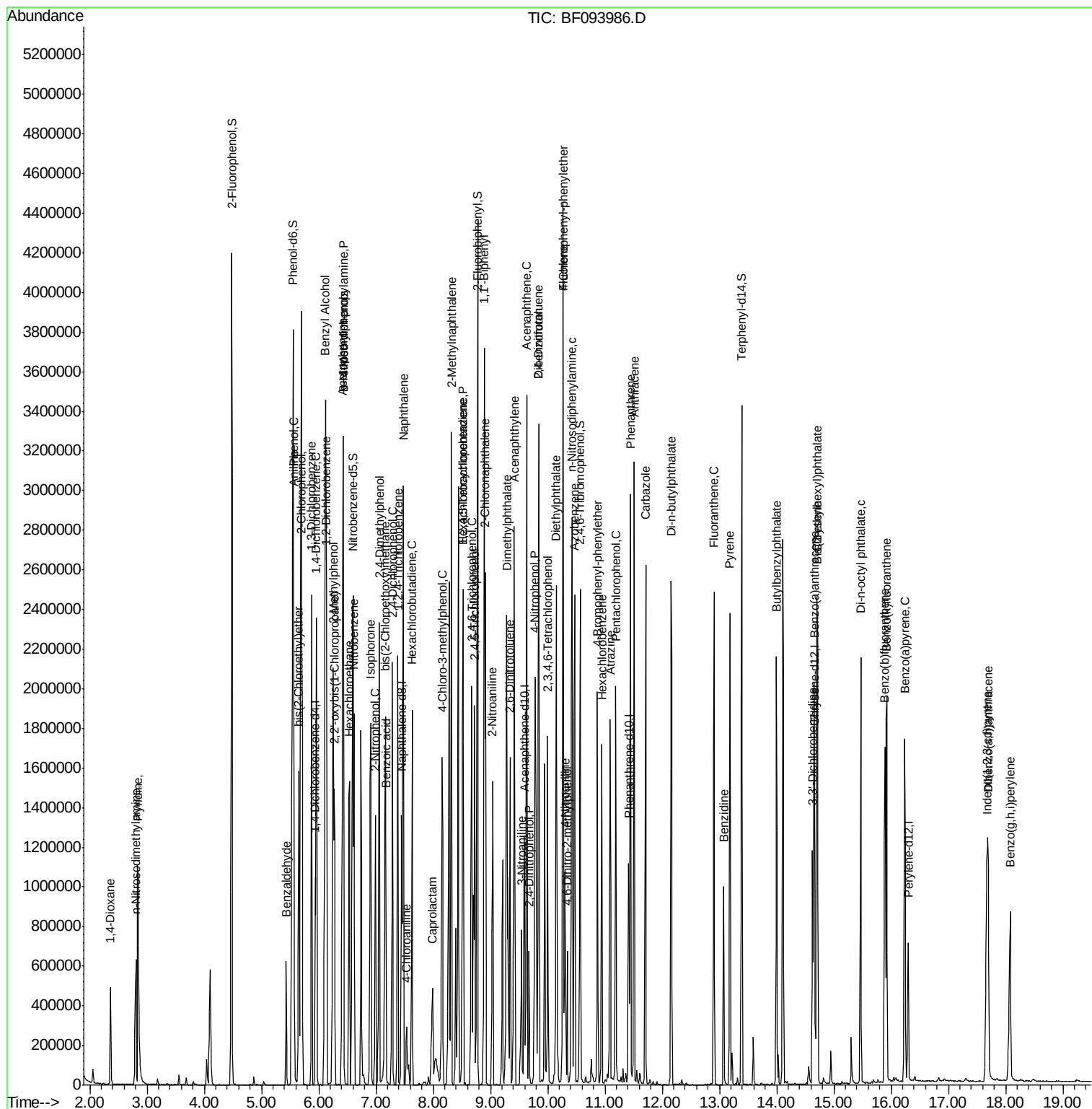
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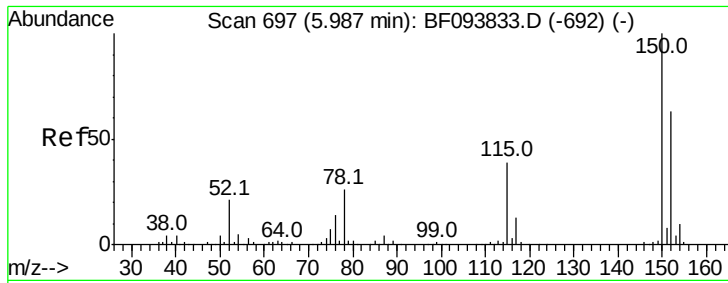
Instrument :
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#1

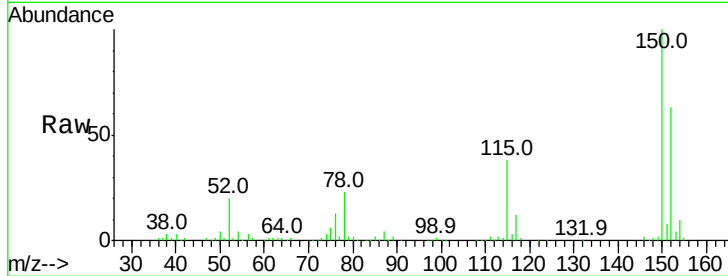
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.94 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampled :
S-3MS

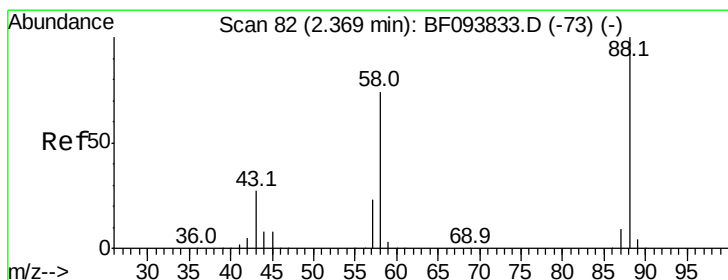
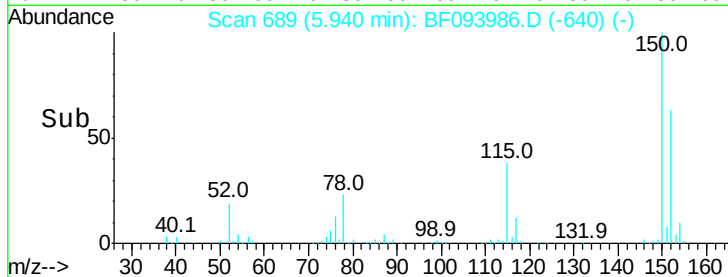
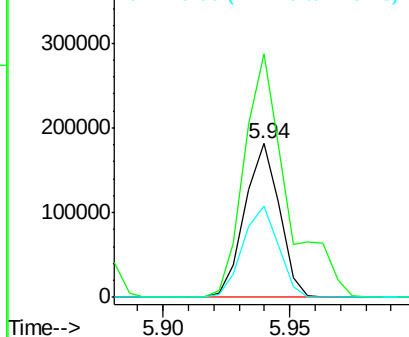
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	59.7	52.2	78.2

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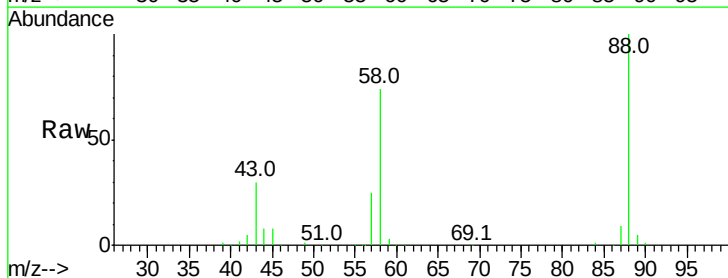
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



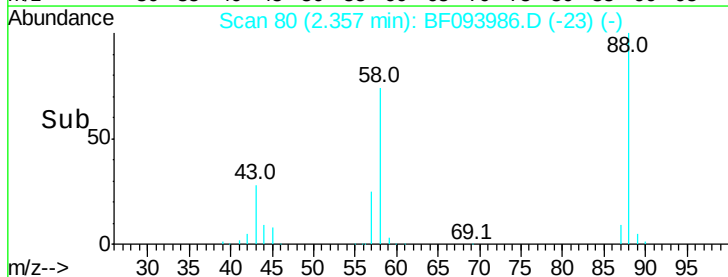
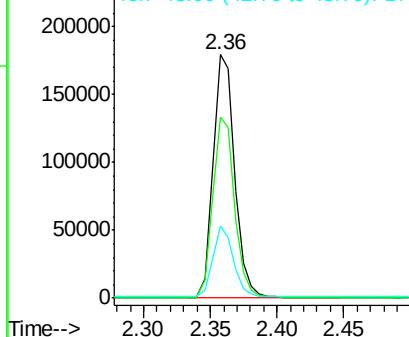
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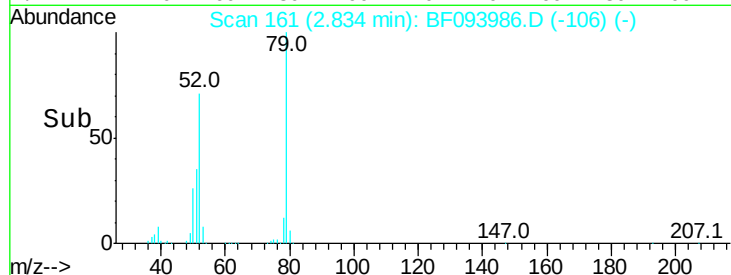
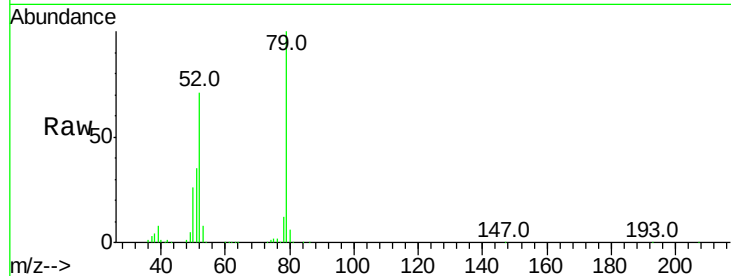
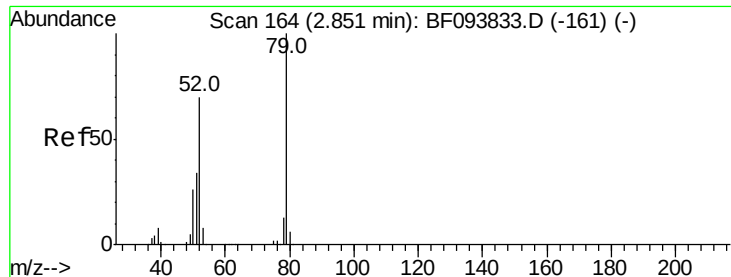
1,4-Dioxane
Concen: 41.60 ng
RT: 2.36 min Scan# 80
Delta R.T. 0.04 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.4	61.4	92.0
43	28.4	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





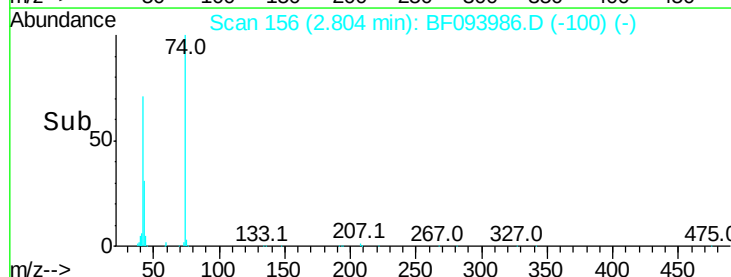
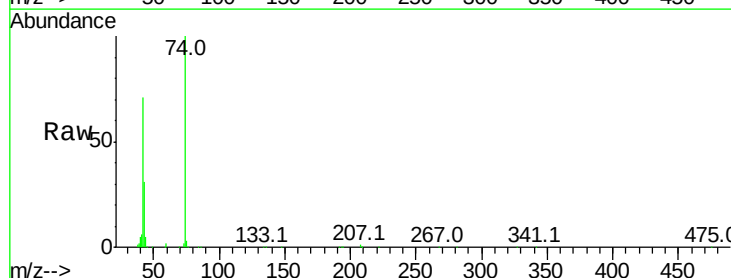
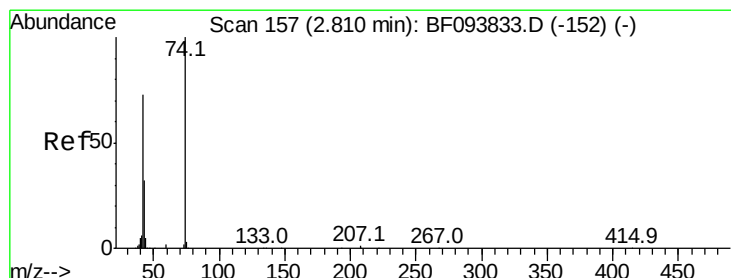
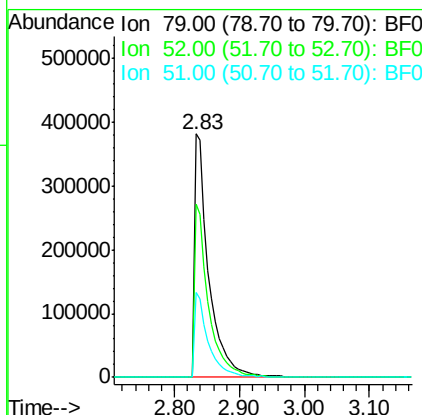
#3
 Pvridine
 Concen: 42.93 ng
 RT: 2.83 min Scan# 161
 Delta R.T. 0.02 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tot Ion	Ratio	Lower	Upper
79	100		
52	71.2	54.8	82.2
51	34.8	27.0	40.4

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 BNA_F
 ClientSampleId :
 S-3MS

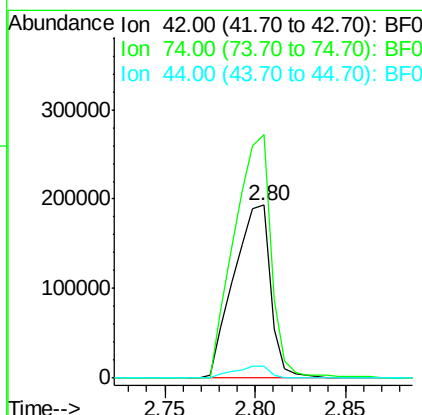
Manual Integrations
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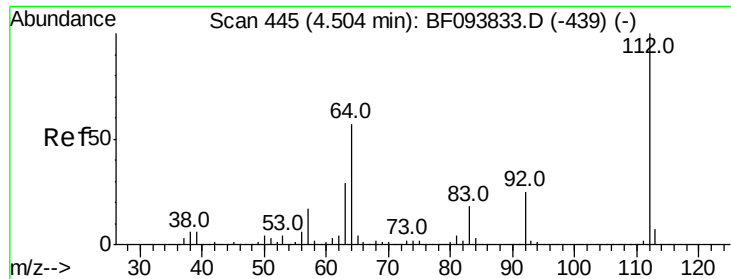
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#4
 n-Nitrosodimethylamine
 Concen: 49.47 ng
 RT: 2.80 min Scan# 156
 Delta R.T. 0.03 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
42	100		
74	140.9	103.9	155.9
44	7.1	5.7	8.5





#5

2-Fluorophenol

Concen: 144.64 ng

RT: 4.48 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampled :

S-3MS

Tot Ion:112 Resp: 1484886

Ion Ratio Lower Upper

112 100

64 57.9 46.0 69.0

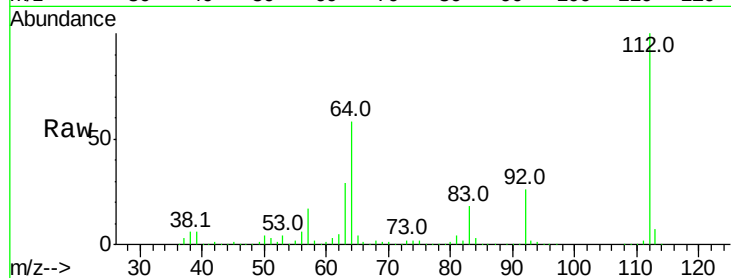
63 29.3 23.4 35.0

Manual Integrations

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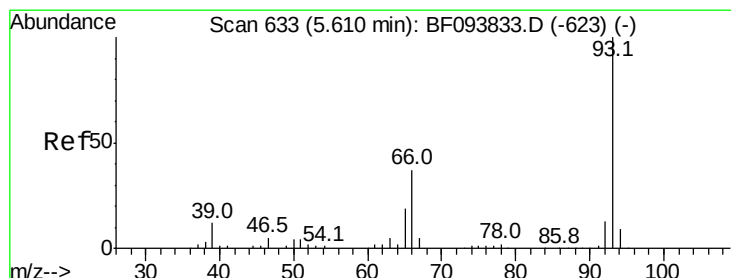
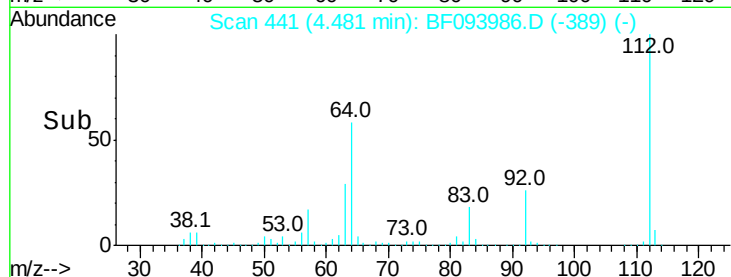
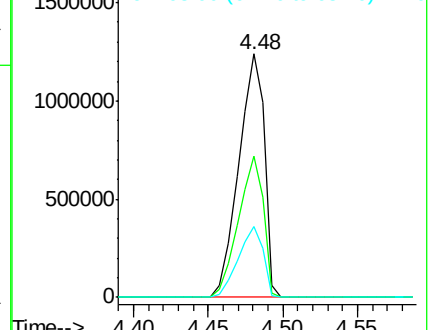
3/28/2017 3:43:43 PM



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.72 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

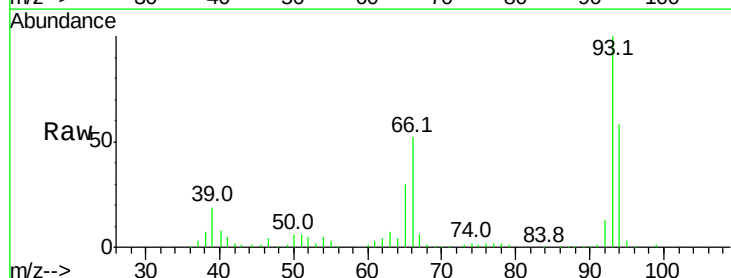
Tgt Ion: 93 Resp: 383714

Ion Ratio Lower Upper

93 100

66 52.5 32.9 49.3#

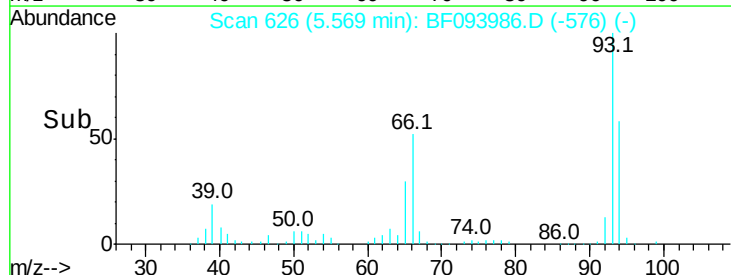
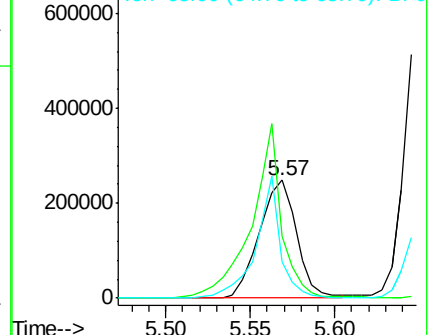
65 30.2 16.0 24.0#

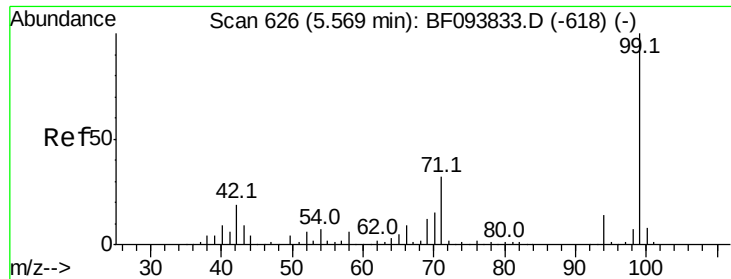


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 149.35 ng

RT: 5.55 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF093986.D

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Instrument :

BNA_F

ClientSampled :

S-3MS

Tot Ion: 99 Resp: 1896850

Ion Ratio Lower Upper

99 100

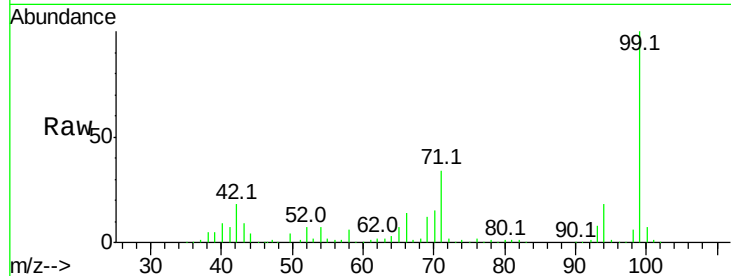
42 17.9 13.5 20.3

71 33.9 24.5 36.7

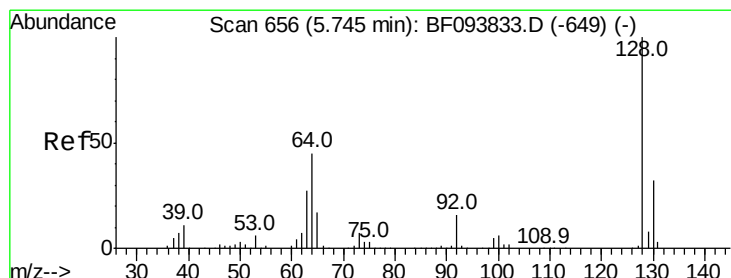
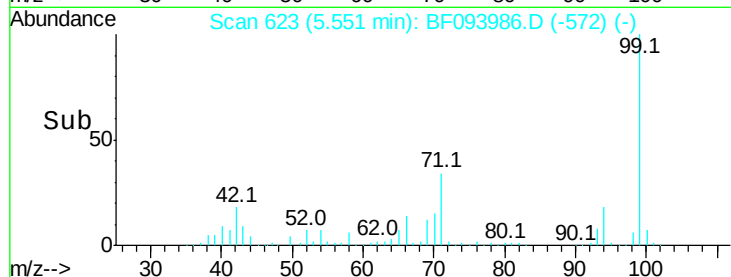
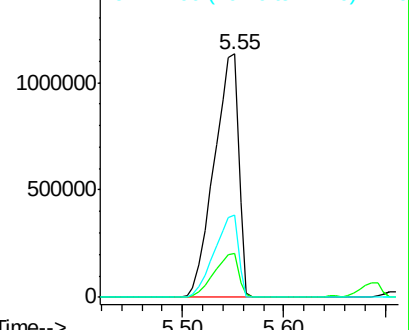
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 51.16 ng

RT: 5.70 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

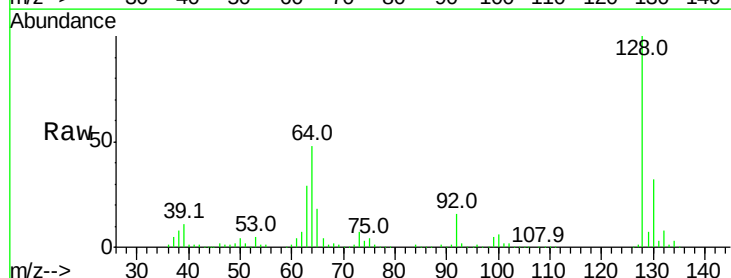
Tgt Ion: 128 Resp: 577282

Ion Ratio Lower Upper

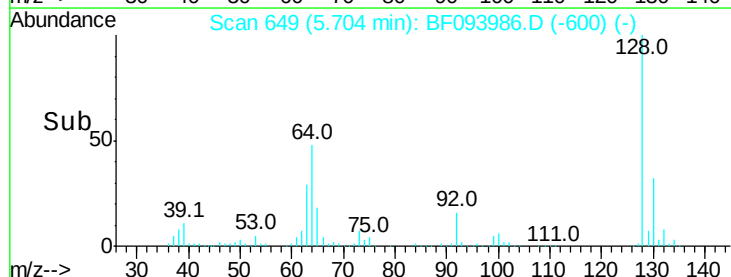
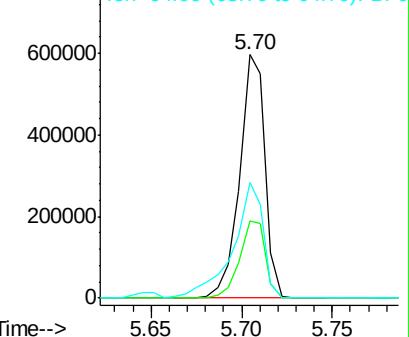
128 100

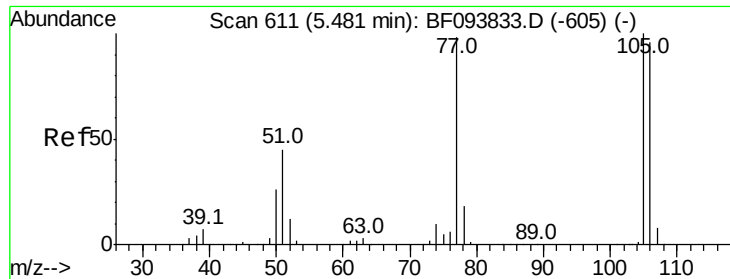
130 31.7 12.9 52.9

64 47.6 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 15.87 ng

RT: 5.43 min Scan# 602

Delta R.T. -0.02 min

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Acq: 28 Mar 2017 11:37

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BNA_F

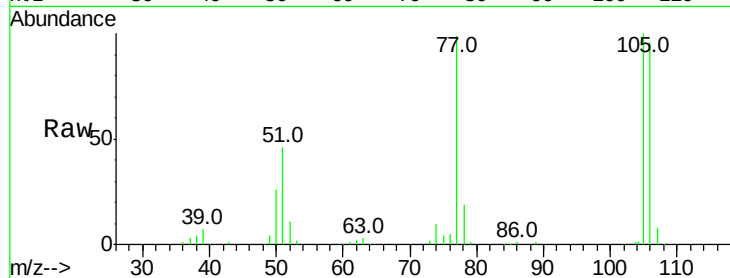
ClientSampleId :

S-3MS

Tot Ion:	77	Resp:	136075
Ion Ratio	Lower	Upper	
77	100		
105	101.5	83.8	123.8
106	97.8	79.1	119.1

Manual Integrations
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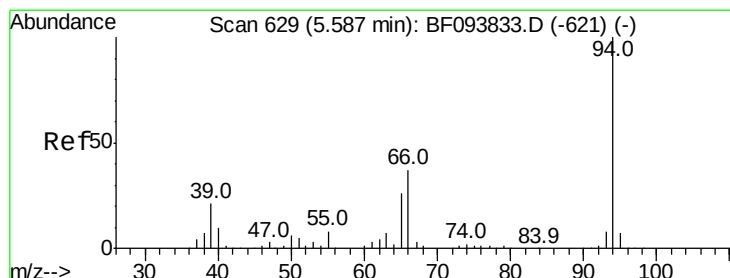
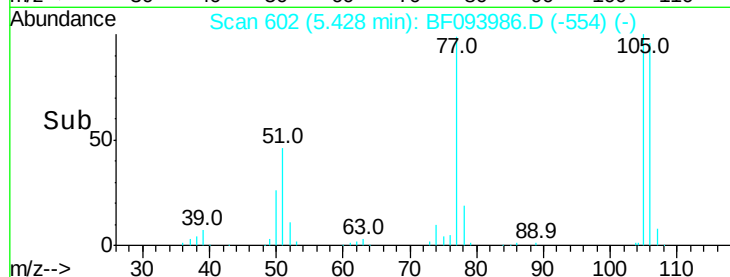
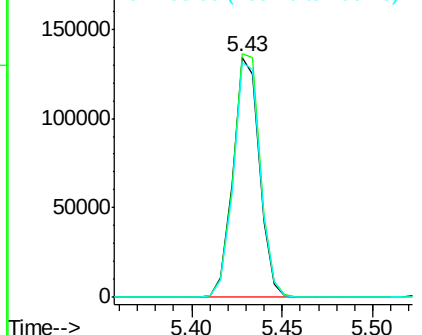
mohammad
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 48.43 ng

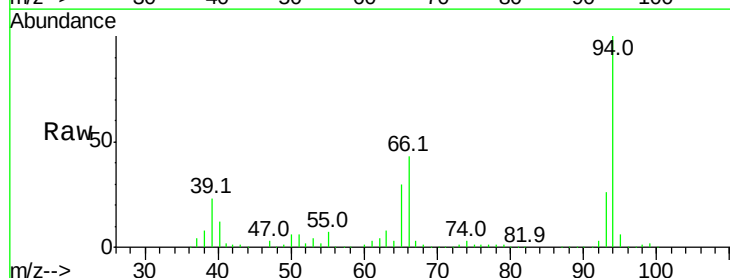
RT: 5.56 min Scan# 625

Delta R.T. 0.00 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

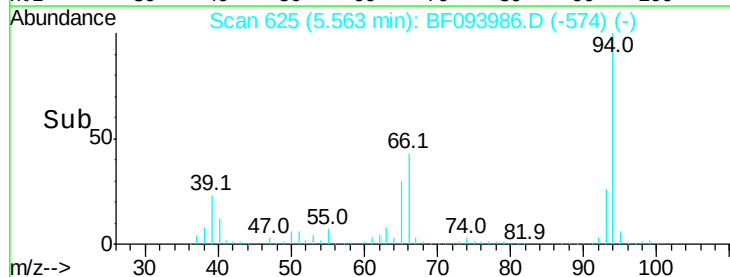
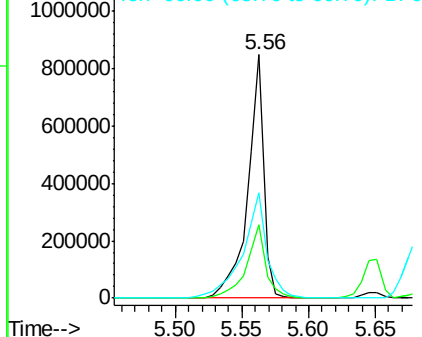
Tgt Ion:	94	Resp:	699876
Ion Ratio	Lower	Upper	
94	100		
65	30.4	9.9	49.9
66	43.3	23.1	63.1

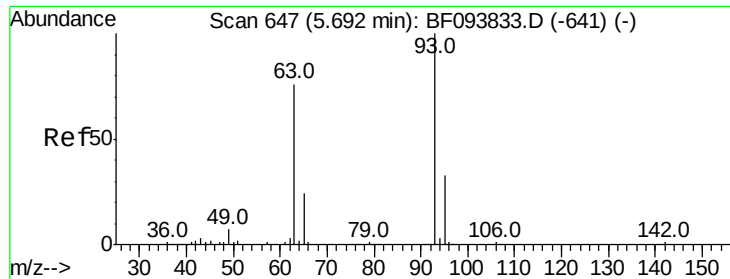


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 48.66 ng

RT: 5.65 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

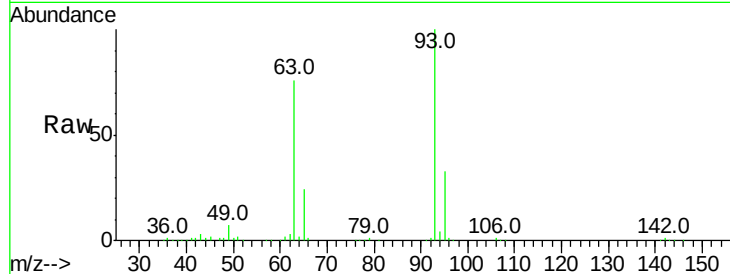
ClientSampleId :

S-3MS

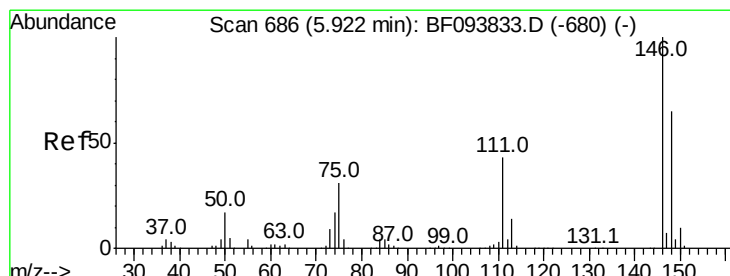
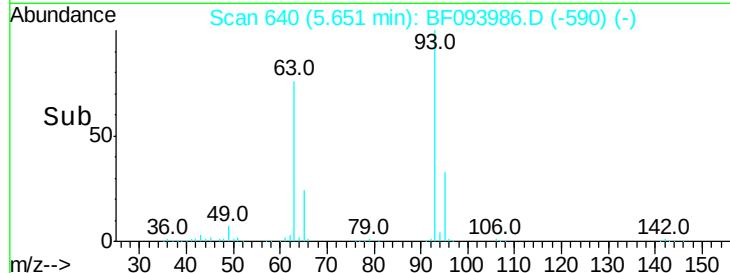
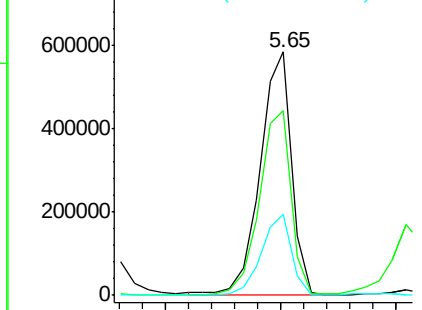
Tot Ion:	93	Resp:	549533
Ion Ratio	Lower	Upper	
93	100		
63	76.0	59.2	99.2
95	33.3	12.8	52.8

Manual Integrations
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Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 48.85 ng

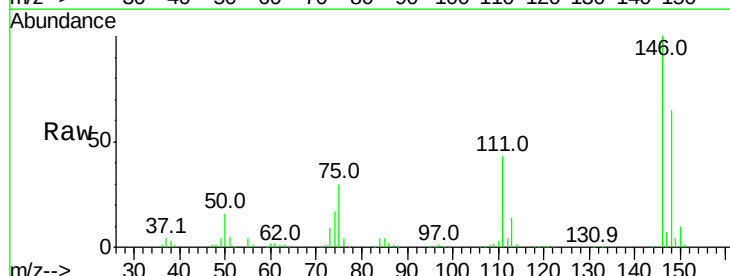
RT: 5.87 min Scan# 678

Delta R.T. -0.01 min

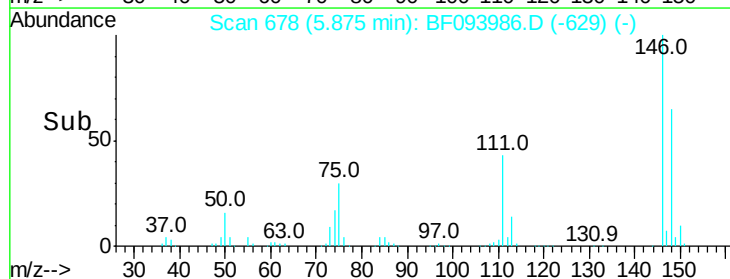
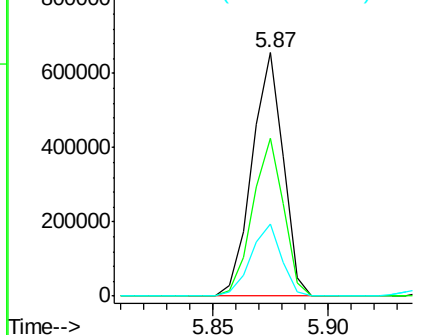
Lab File: BF093986.D

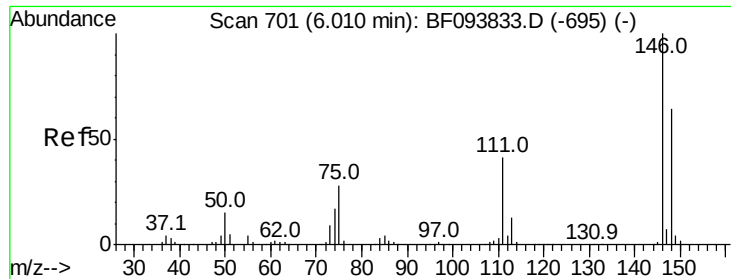
Acq: 28 Mar 2017 11:37

Tgt Ion:	146	Resp:	618361
Ion Ratio	Lower	Upper	
146	100		
148	64.6	51.8	77.6
75	29.7	23.1	34.7



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0





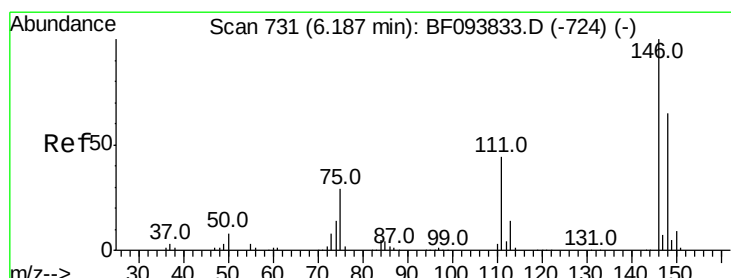
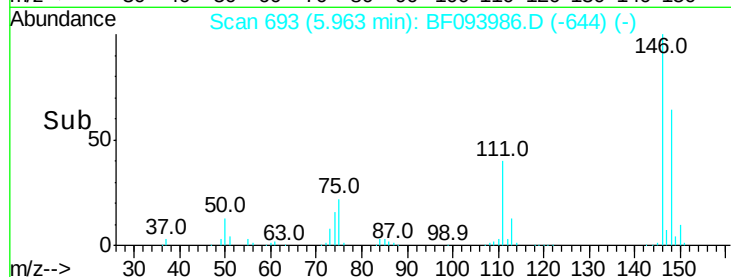
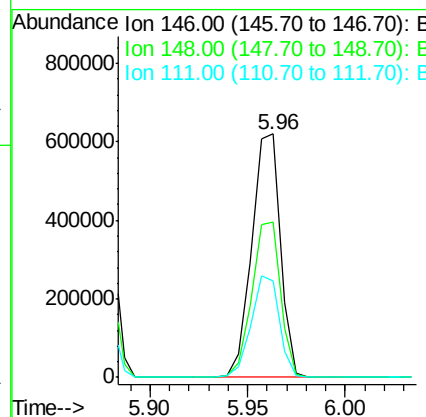
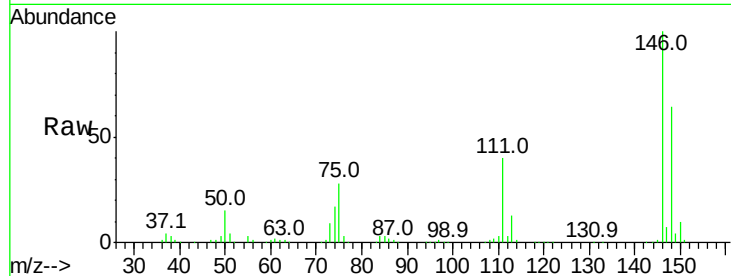
#13
 1,4-Dichlorobenzene
 Concen: 49.22 ng
 RT: 5.96 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.2
111	39.8	30.3	45.5

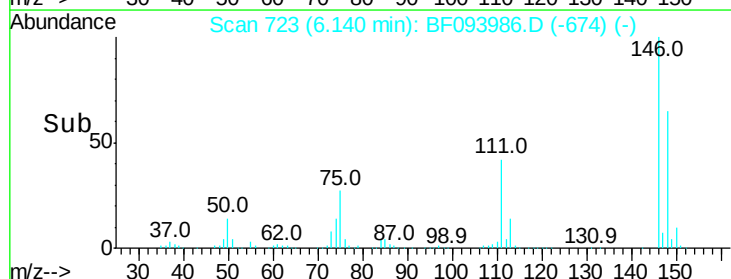
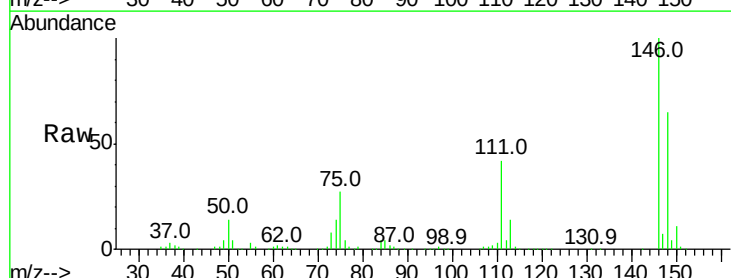
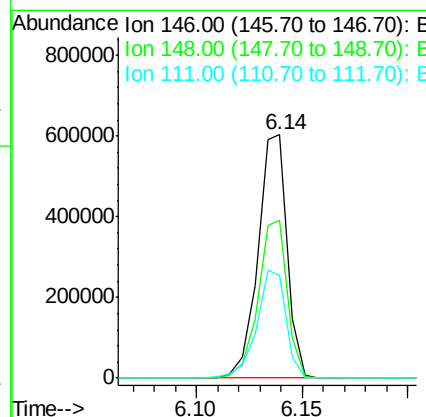
Manual Integrations
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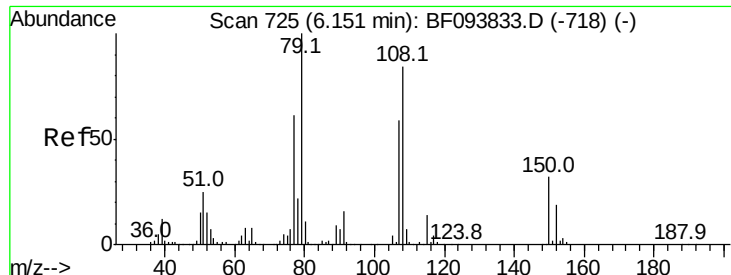
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 49.12 ng
 RT: 6.14 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.4	75.6
111	42.3	38.2	57.4





#15

Benzyl Alcohol

Concen: 51.44 ng

RT: 6.11 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampled :

S-3MS

Tot Ion: 79 Resp: 478215

Ion Ratio Lower Upper

79 100

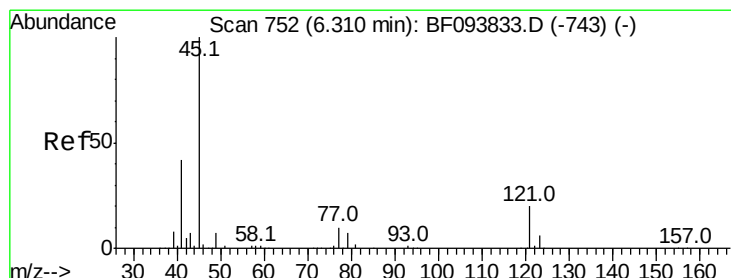
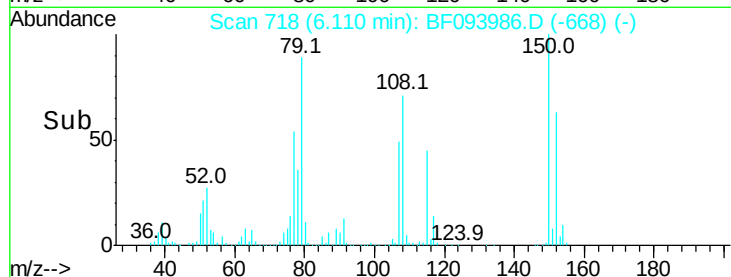
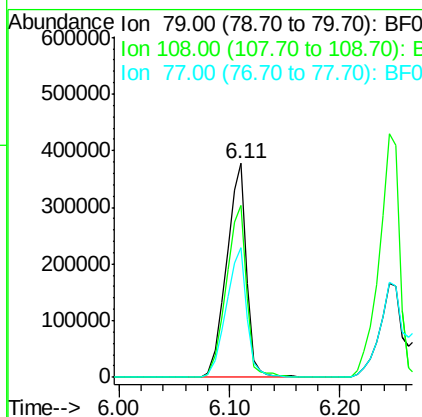
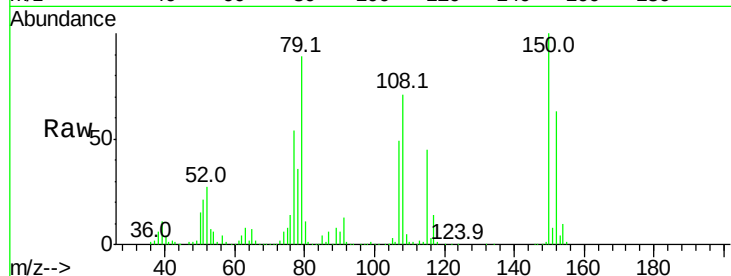
108 80.4 63.4 95.0

77 60.7 49.2 73.8

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.95 ng

RT: 6.27 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

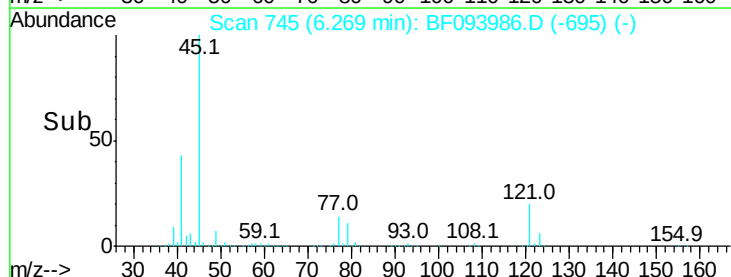
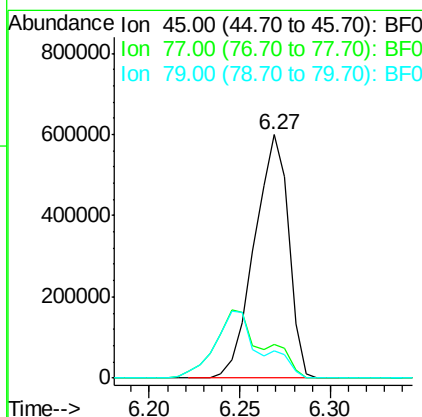
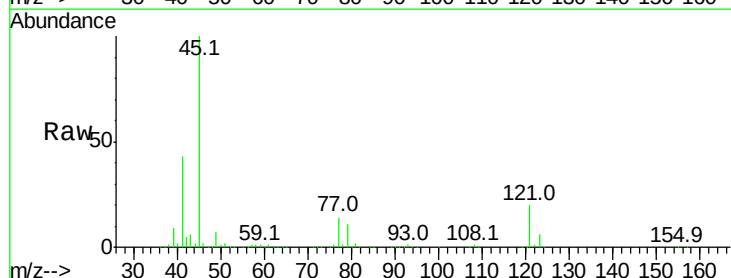
Tgt Ion: 45 Resp: 782371

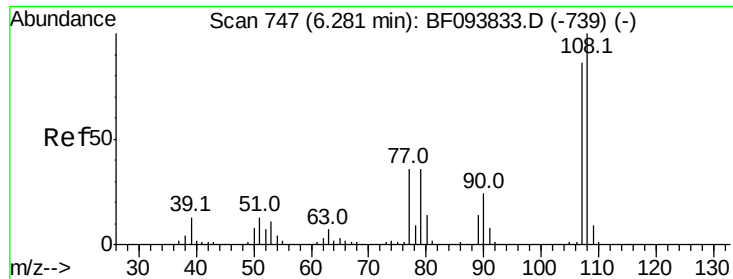
Ion Ratio Lower Upper

45 100

77 13.9 0.0 33.2

79 11.0 0.0 30.0





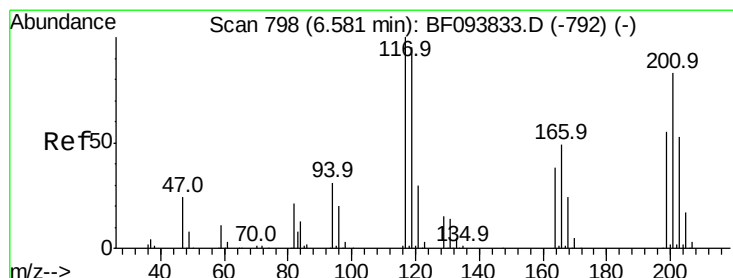
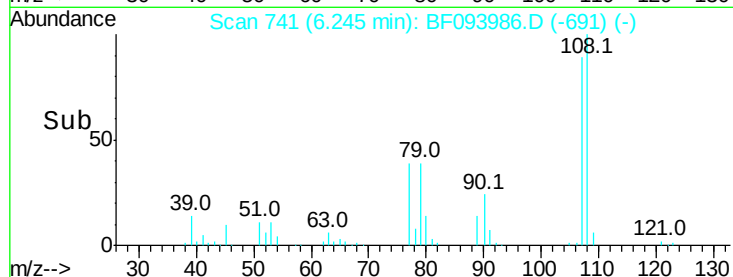
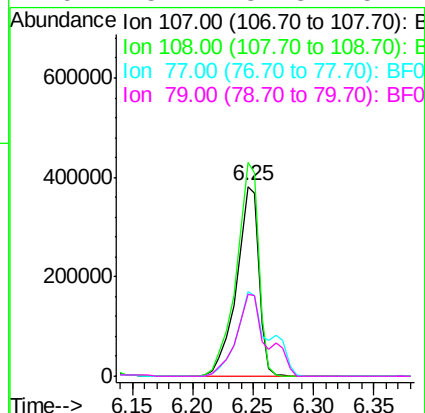
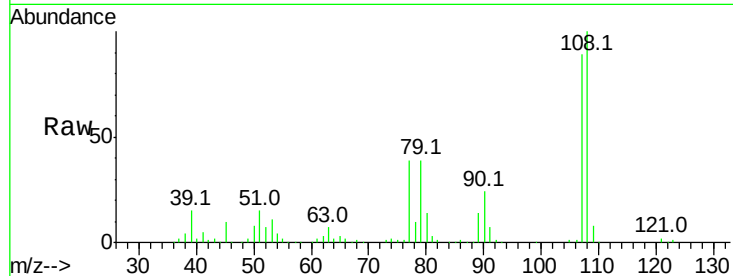
#17
2-Methylphenol
Concen: 51.07 ng
RT: 6.25 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampleId :
S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.6	93.4	140.0	
77	44.2	35.8	53.6	
79	43.4	34.8	52.2	

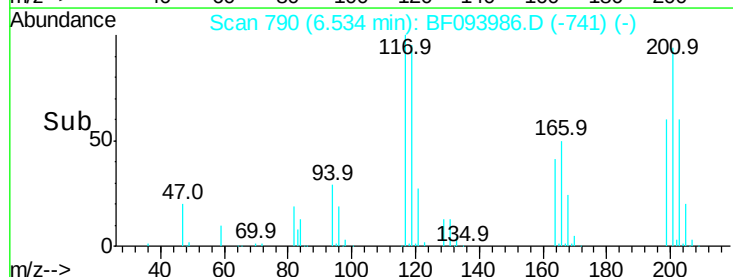
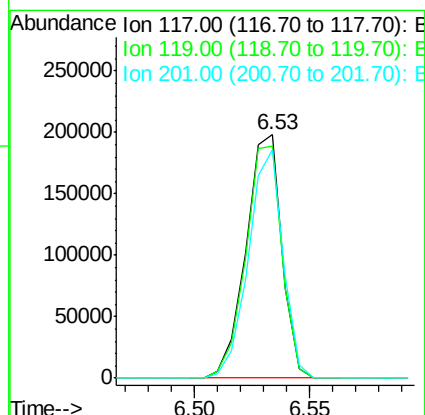
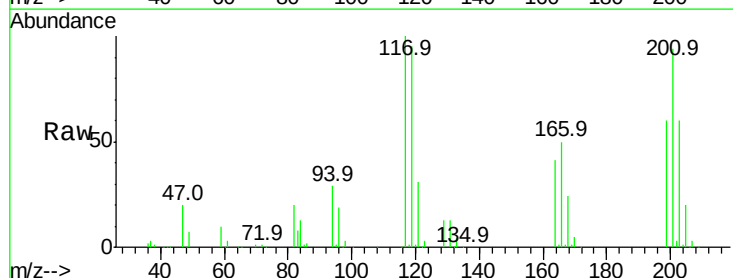
Manual Integrations
APPROVED

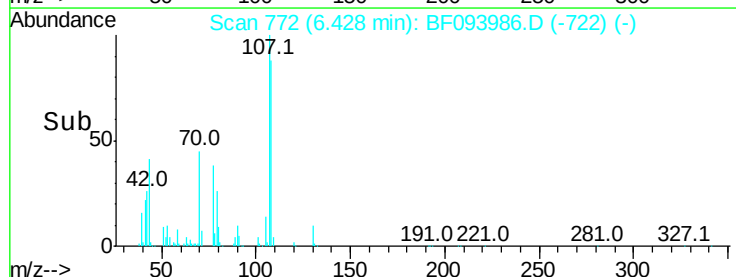
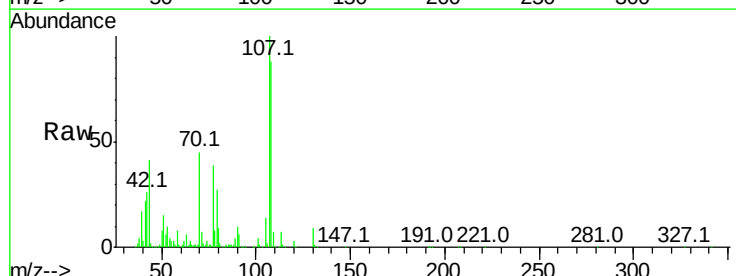
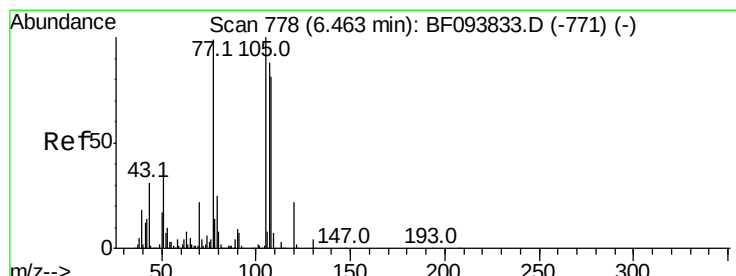
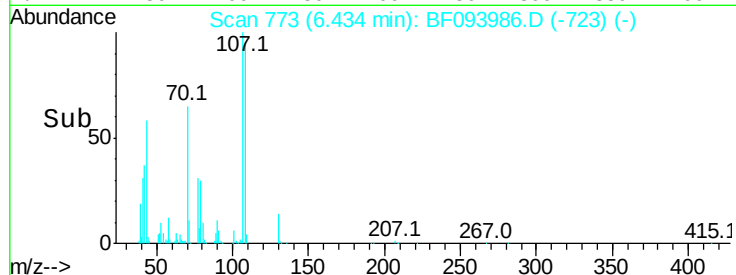
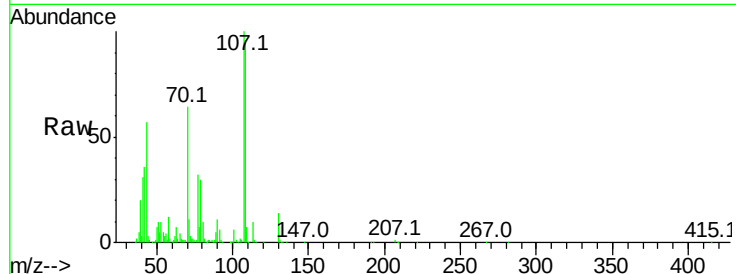
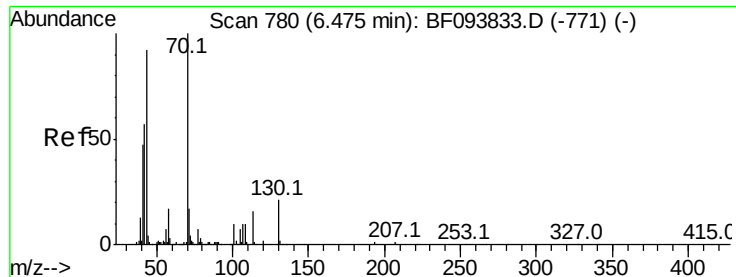
mohammad
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#18
Hexachloroethane
Concen: 47.66 ng
RT: 6.53 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	77.4	116.0	
201	93.8	94.6	141.8#	





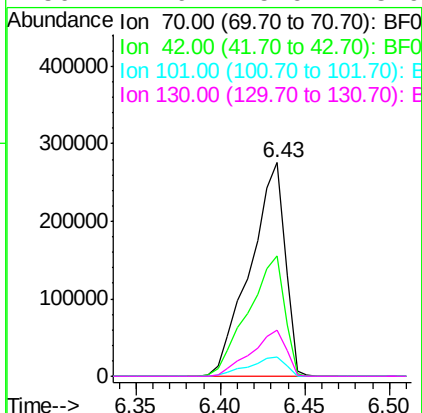
#19
n-Nitroso-di-n-propylamine
Concen: 48.54 ng
RT: 6.43 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampleId :
S-3MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.2	47.2	70.8	
101	9.3	7.2	10.8	
130	21.6	15.9	23.9	

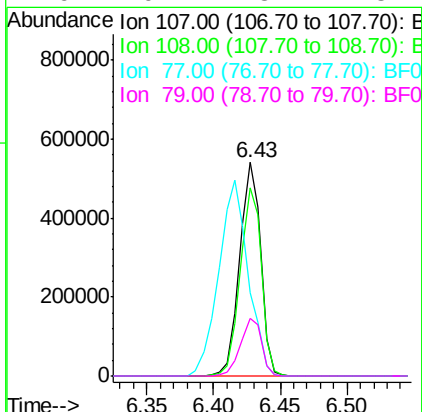
Manual Integrations
APPROVED

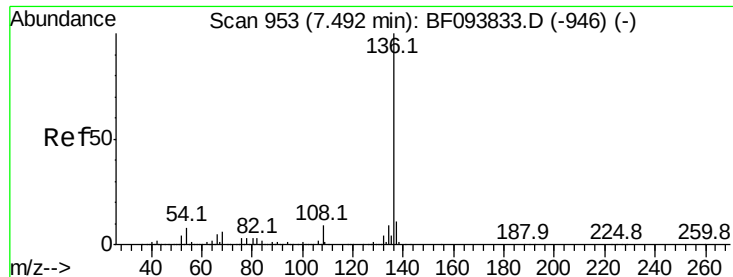
mohammad
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#20
3+4-Methylphenols
Concen: 50.57 ng
RT: 6.43 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.2	71.0	111.0	
77	38.8	90.5	130.5#	
79	26.7	8.4	48.4	





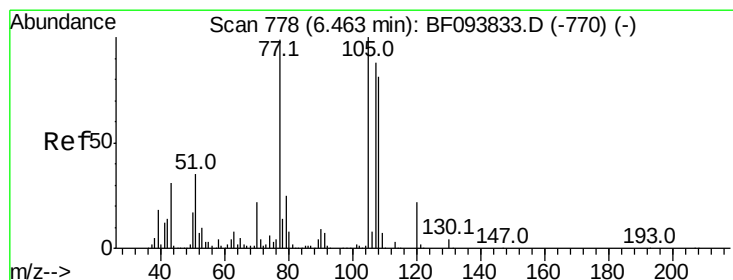
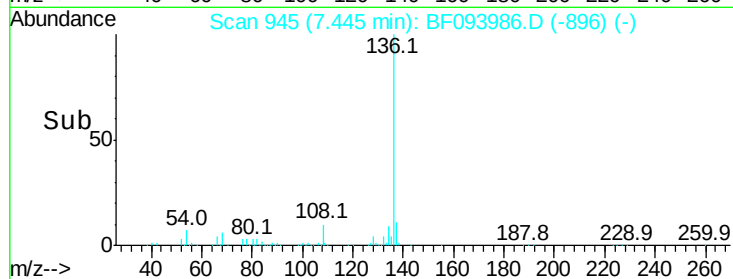
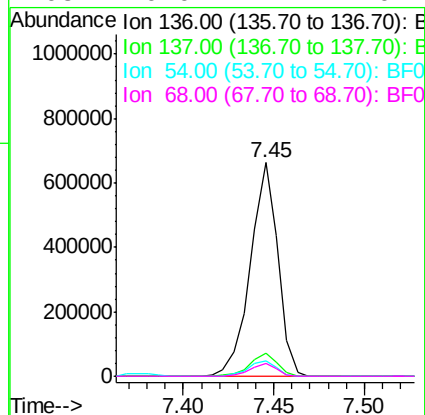
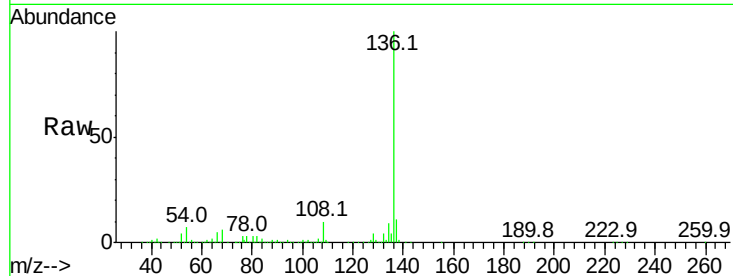
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.45 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampled :
S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	696248		
137	10.8		8.5	12.7
54	7.3		4.9	7.3
68	6.0		4.1	6.1

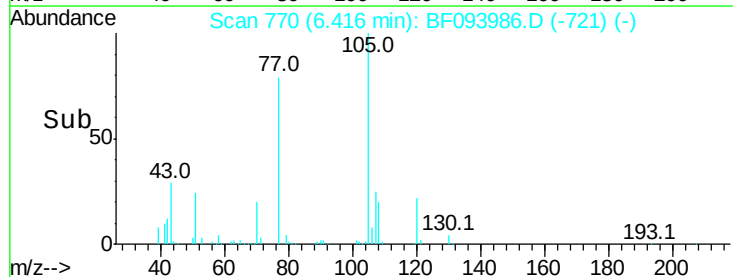
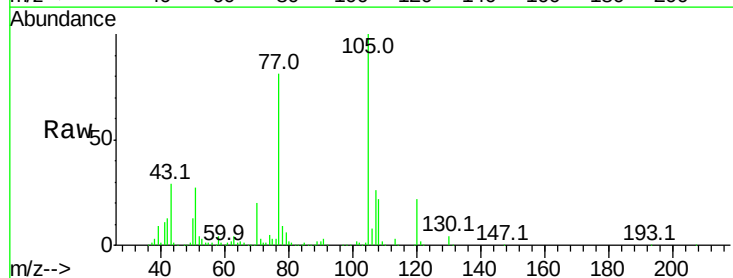
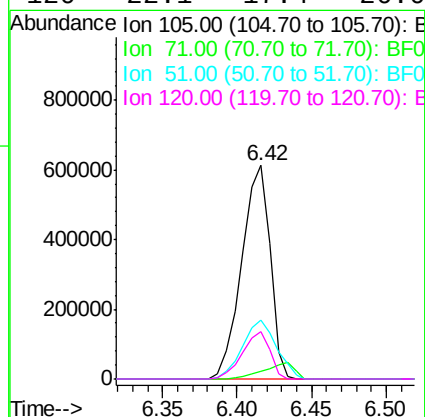
Manual Integrations
APPROVED

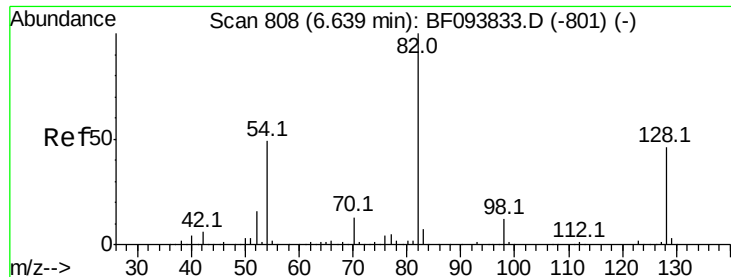
mohammad
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#22
Acetophenone
Concen: 52.34 ng
RT: 6.42 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	812135		
71	3.4		2.8	4.2
51	27.5		30.7	46.1#
120	22.1		17.4	26.0





#23

Nitrobenzene-d5

Concen: 95.80 ng

RT: 6.59 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampleId :

S-3MS

Tot Ion: 82 Resp: 1168756

Ion Ratio Lower Upper

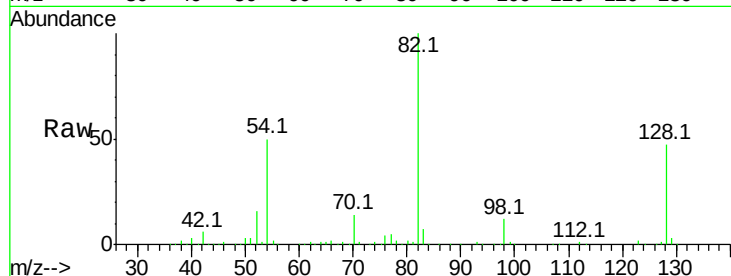
82 100

128 46.6 34.0 51.0

54 49.7 42.2 63.2

Manual Integrations
APPROVED

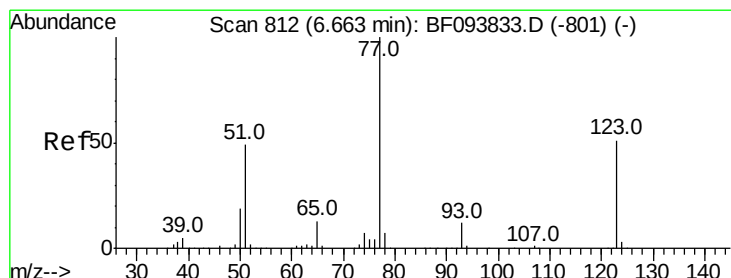
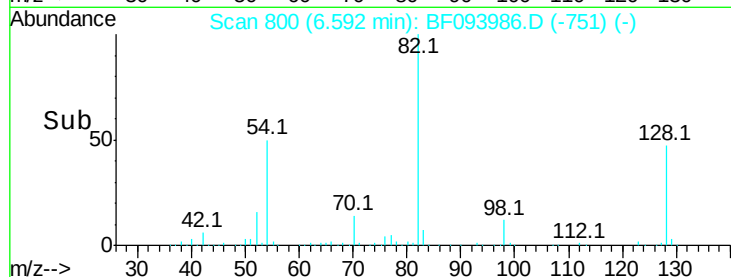
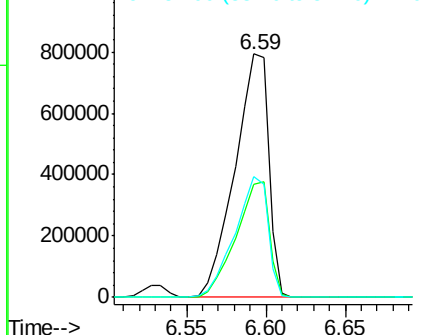
mohammad
3/28/2017 3:43:43 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 49.33 ng

RT: 6.62 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

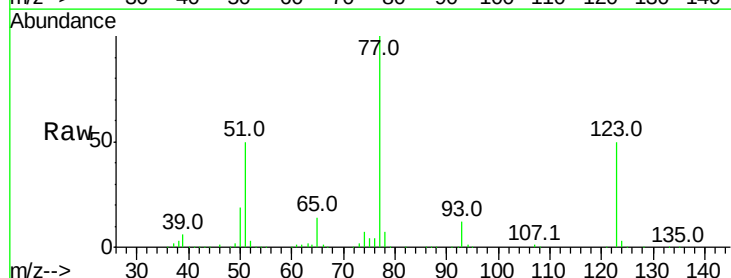
Tgt Ion: 77 Resp: 593514

Ion Ratio Lower Upper

77 100

123 49.8 35.8 53.8

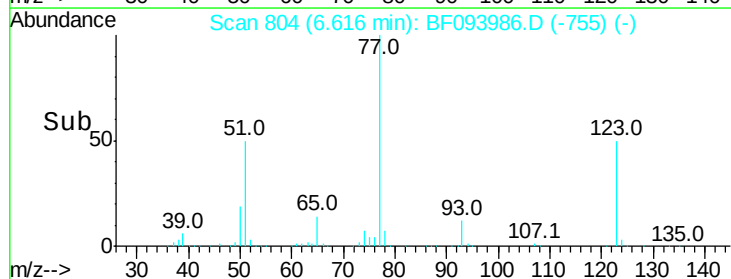
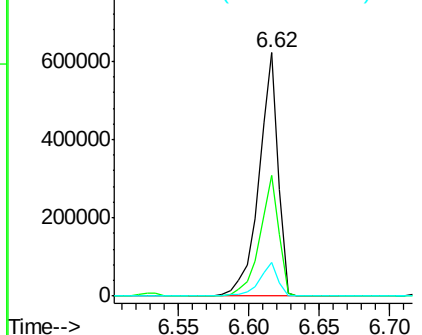
65 13.7 10.6 15.8

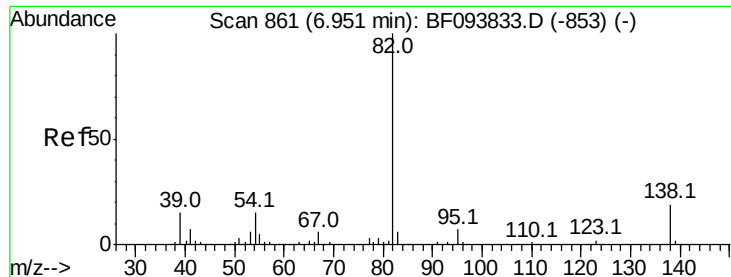


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 50.44 ng

RT: 6.90 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampleId :

S-3MS

Tot Ion: 82 Resp: 1081326

Ion Ratio Lower Upper

82 100

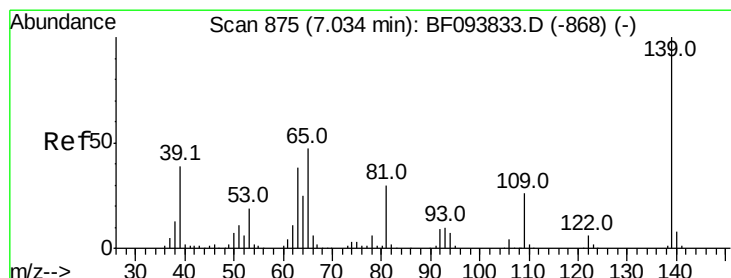
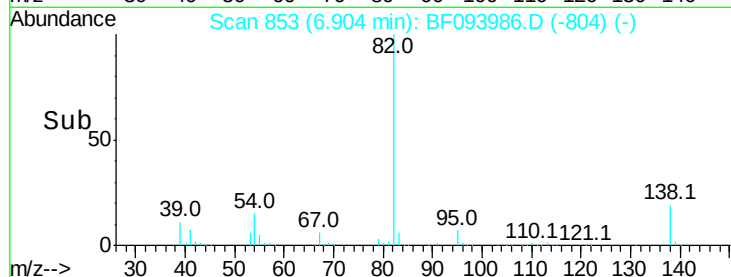
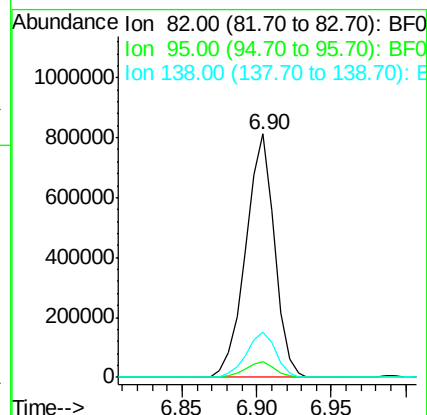
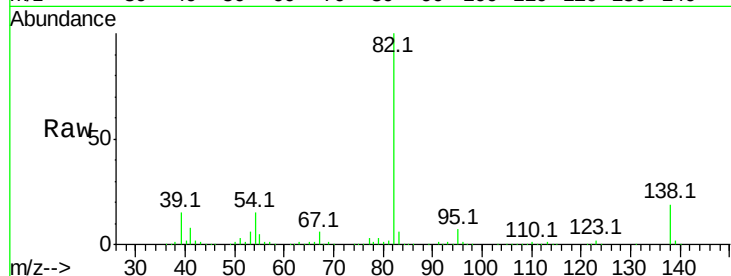
95 6.7 5.3 7.9

138 18.5 13.1 19.7

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3/28/2017 3:43:43 PM



#26

2-Nitrophenol

Concen: 55.47 ng

RT: 6.99 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

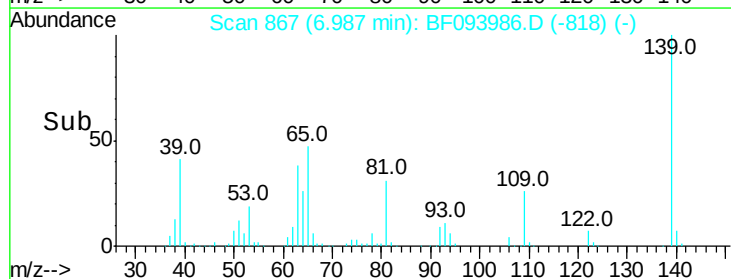
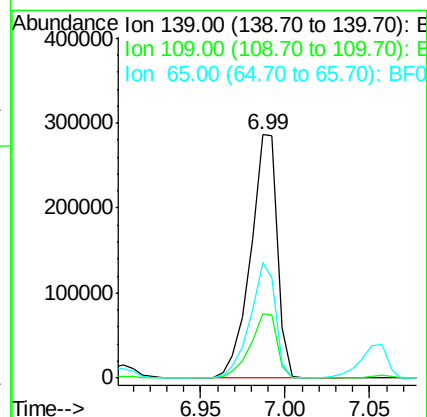
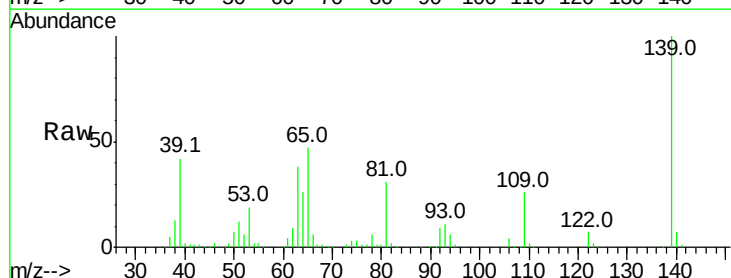
Tgt Ion: 139 Resp: 318279

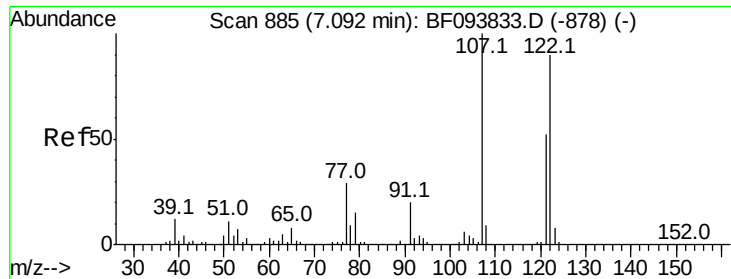
Ion Ratio Lower Upper

139 100

109 26.5 21.0 31.6

65 47.3 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 52.16 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

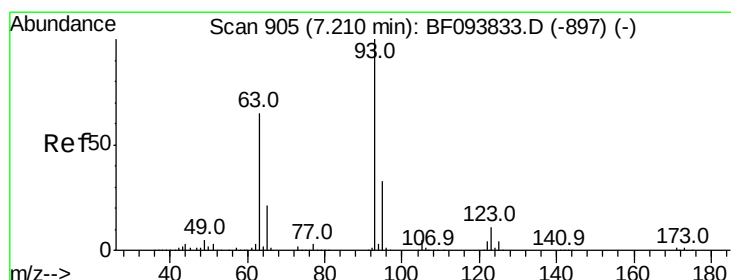
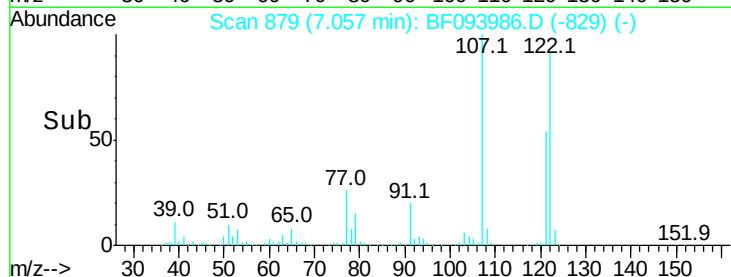
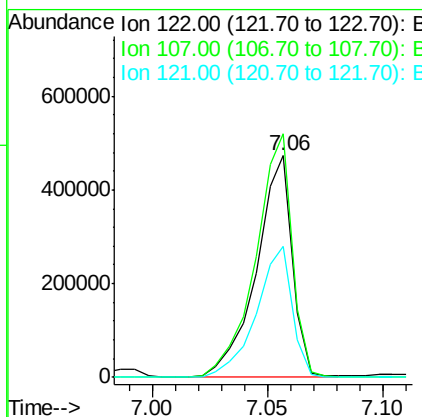
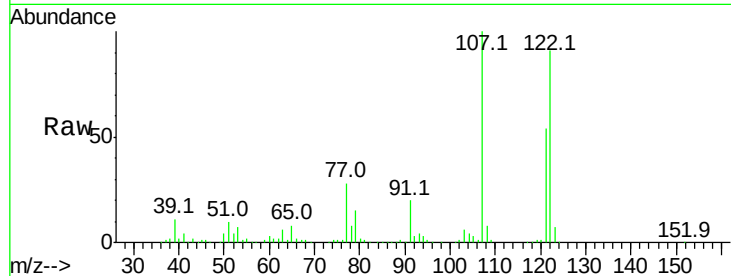
ClientSampled :

S-3MS

Tot Ion:	122	Resp:	515736
Ion Ratio	Lower	Upper	
122	100		
107	109.9	89.2	133.8
121	59.0	45.2	67.8

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#28

bis(2-Chloroethoxy)methane

Concen: 48.64 ng

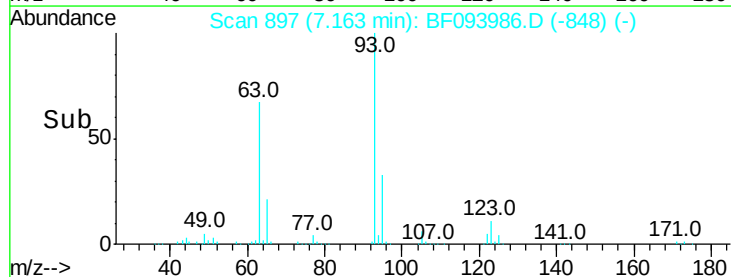
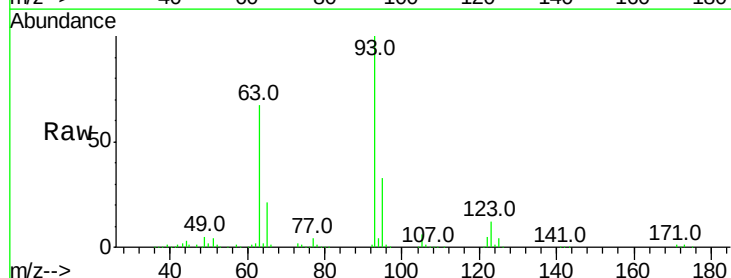
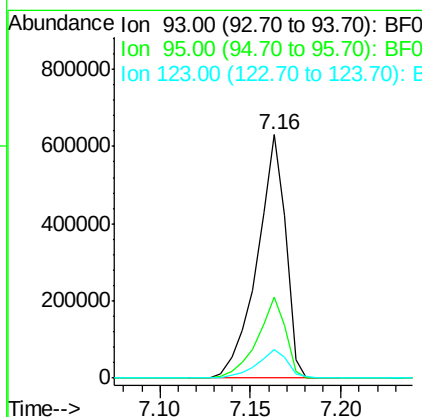
RT: 7.16 min Scan# 897

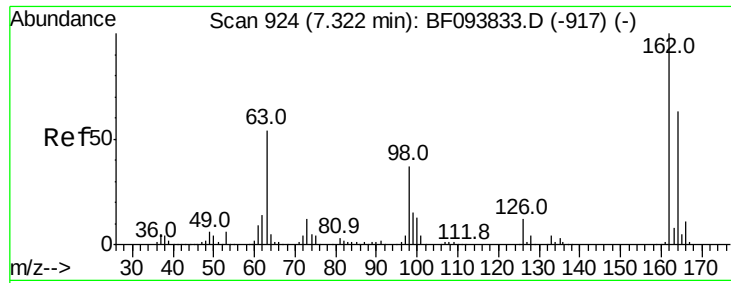
Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Tgt Ion:	93	Resp:	687672
Ion Ratio	Lower	Upper	
93	100		
95	33.1	26.5	39.7
123	11.5	9.0	13.4





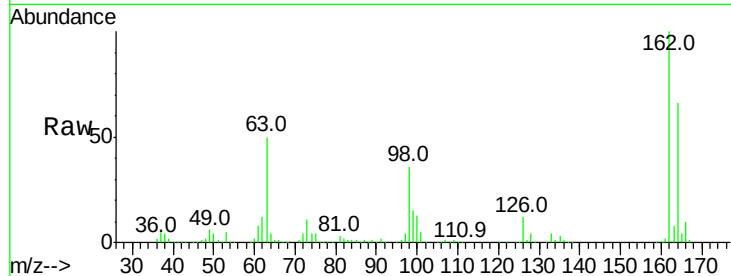
#29
 2,4-Dichlorophenol
 Concen: 52.66 ng
 RT: 7.29 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

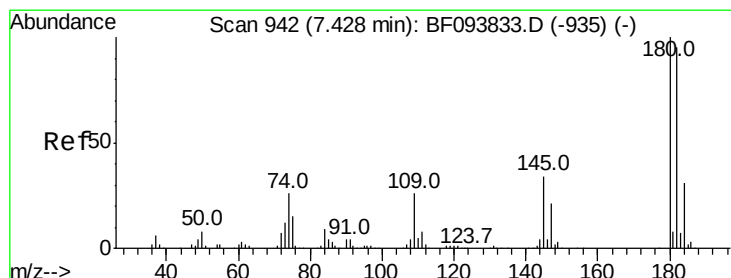
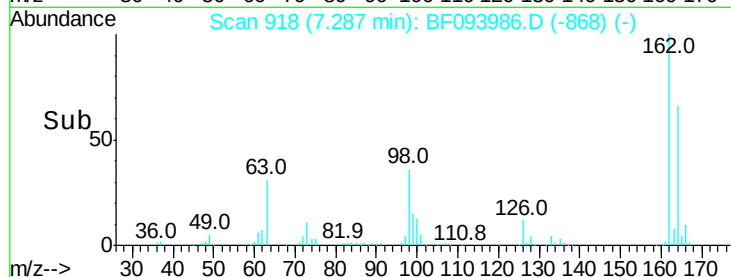
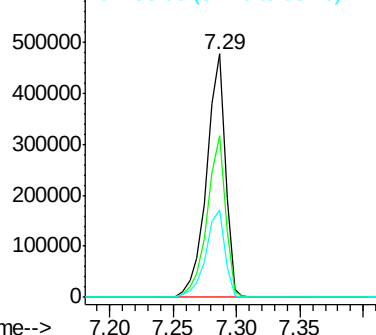
Tot Ion:	162	Resp:	486767
Ion Ratio	Lower	Upper	
162	100		
164	66.4	44.6	84.6
98	35.8	14.8	54.8

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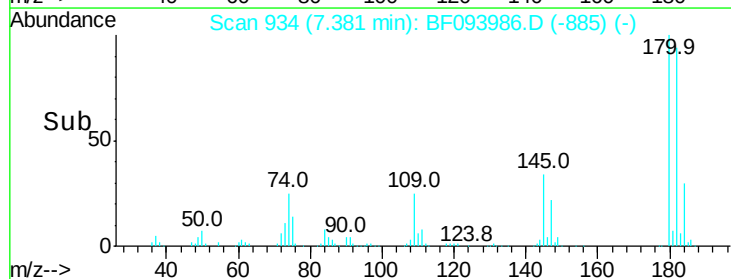
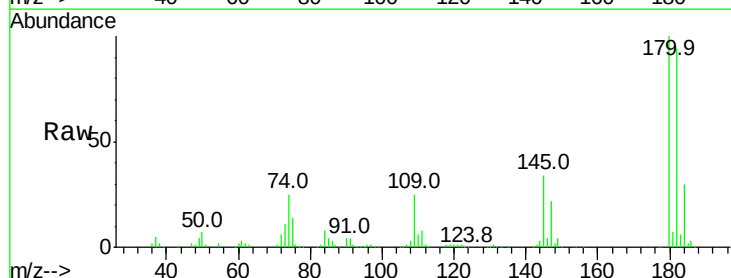
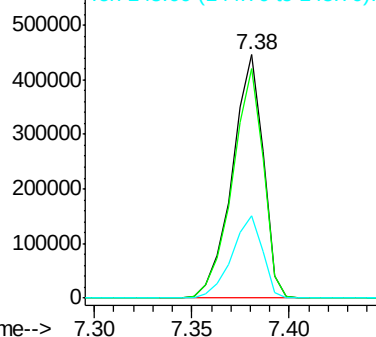
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

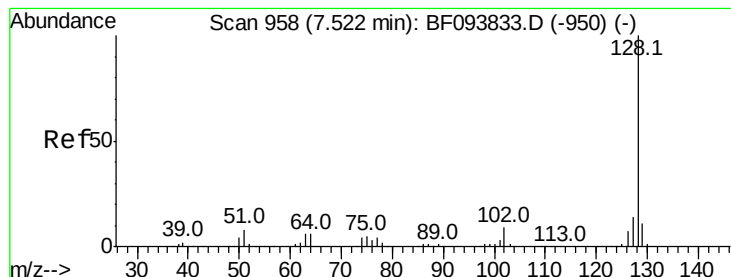


#30
 1,2,4-Trichlorobenzene
 Concen: 51.52 ng
 RT: 7.38 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion:	180	Resp:	490533
Ion Ratio	Lower	Upper	
180	100		
182	94.3	75.8	113.6
145	33.6	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: 48.56 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampleId :

S-3MS

Tot Ion:128 Resp: 1625652

Ion Ratio Lower Upper

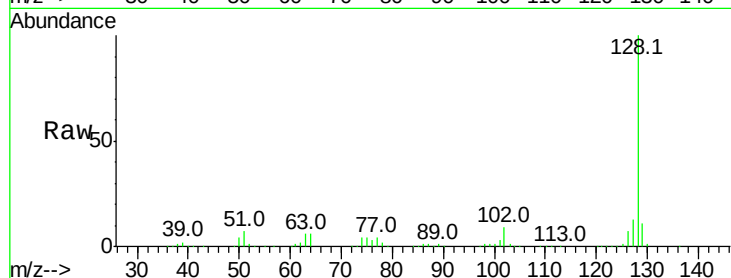
128 100

129 11.5 9.0 13.6

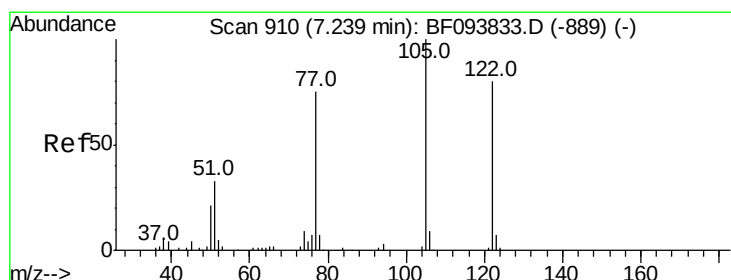
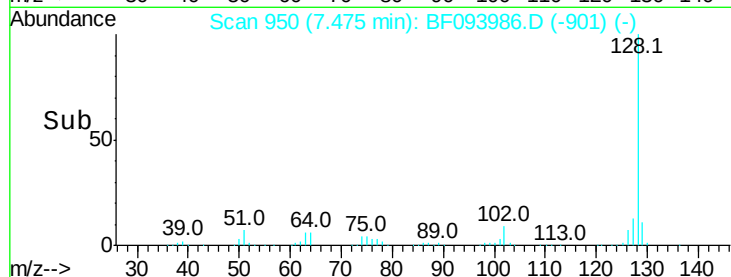
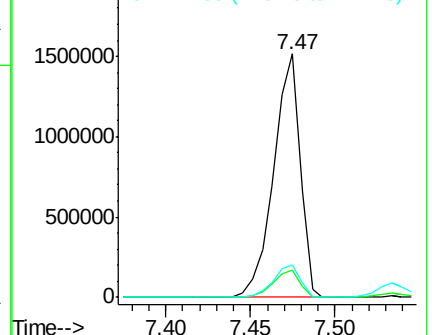
127 13.5 10.8 16.2

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



#32

Benzoic acid

Concen: 18.09 ng

RT: 7.17 min Scan# 899

Delta R.T. -0.04 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

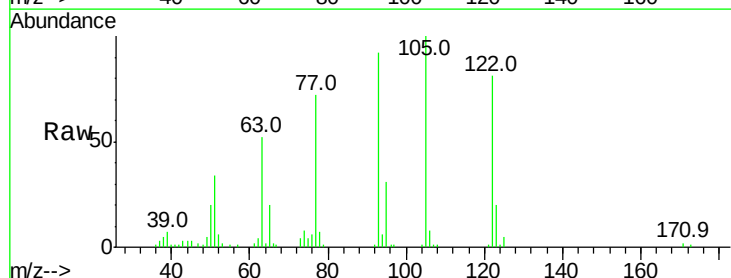
Tgt Ion:122 Resp: 119044

Ion Ratio Lower Upper

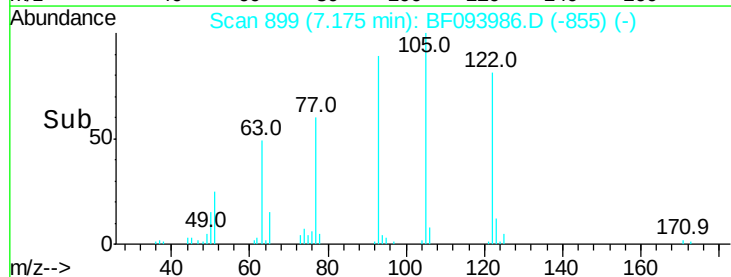
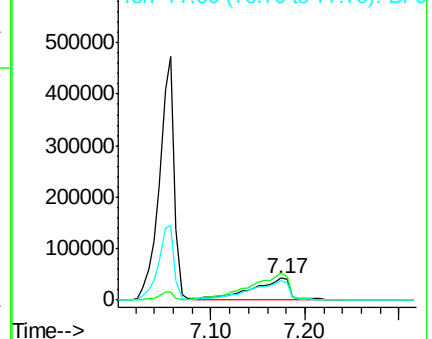
122 100

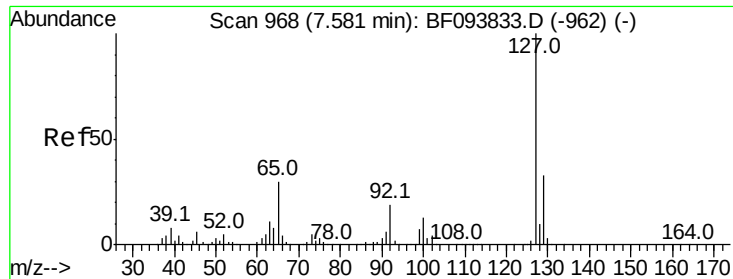
105 124.0 103.3 143.3

77 89.2 73.7 113.7



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





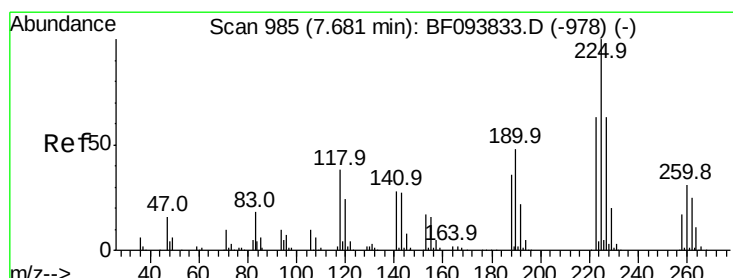
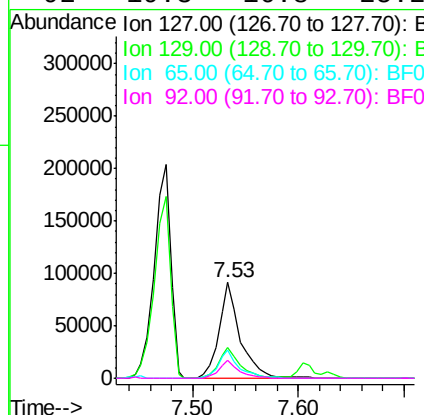
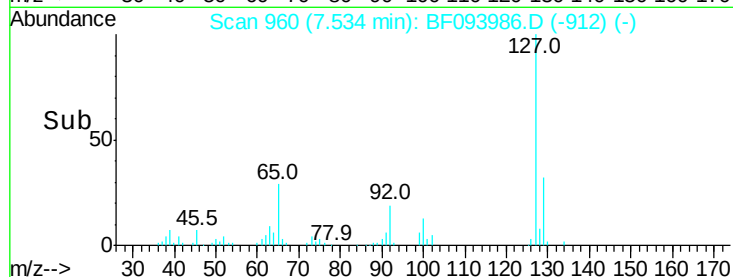
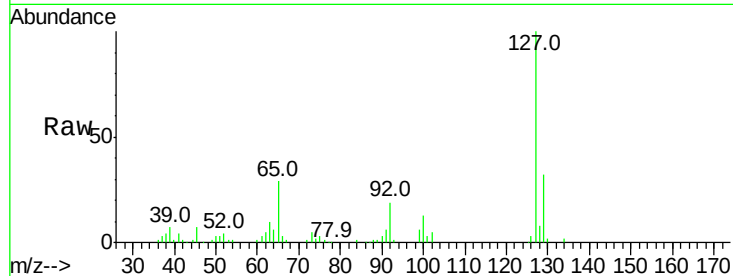
#33
4-Chloroaniline
Concen: 9.48 ng
RT: 7.53 min Scan# 960
Delta R.T. -0.02 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampleId :
S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.1	26.2	39.2	
65	29.3	27.8	41.8	
92	19.3	16.8	25.2	

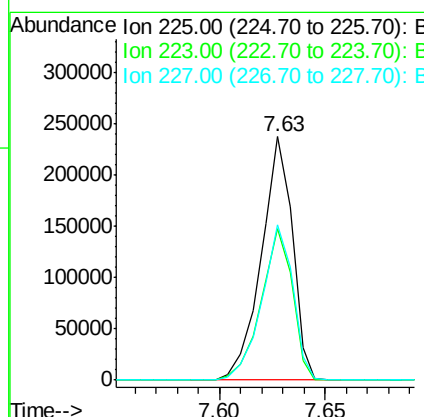
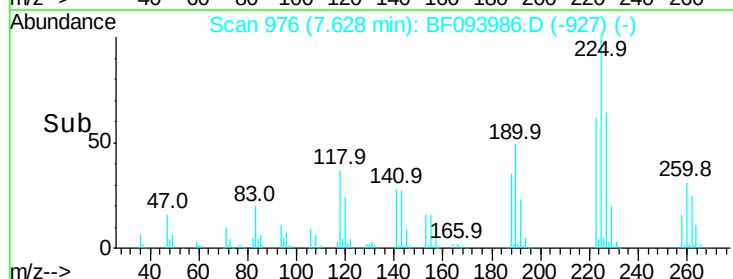
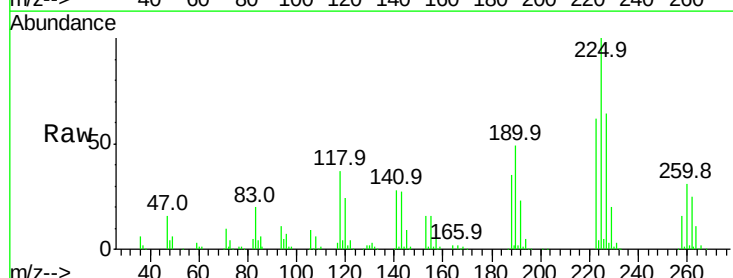
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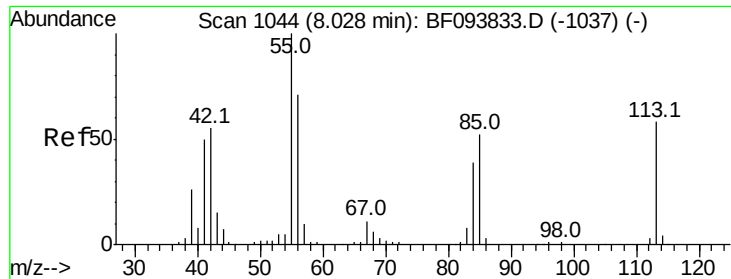
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#34
Hexachlorobutadiene
Concen: 50.03 ng
RT: 7.63 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	48.8	73.2	
227	64.0	51.1	76.7	





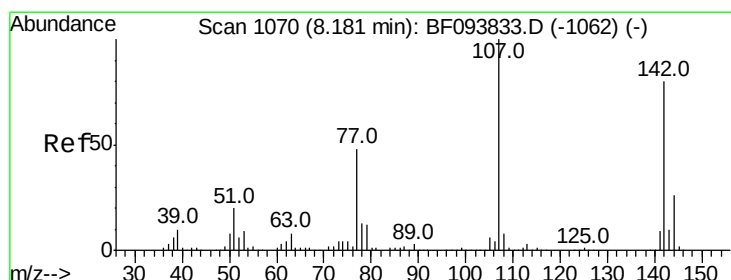
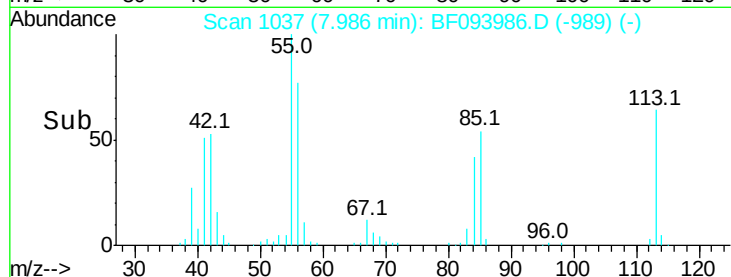
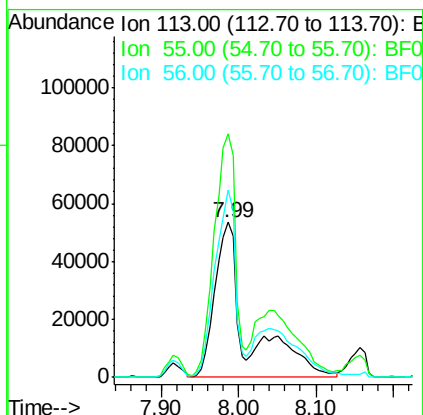
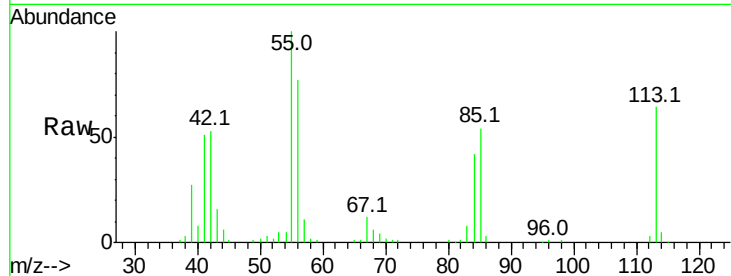
#35
 Caprolactam
 Concen: 52.47 ng/ml
 RT: 7.99 min Scan# 1037
 Delta R.T. -0.02 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion:113 Resp: 154671
 Ion Ratio Lower Upper
 113 100
 55 157.3 150.2 190.2
 56 121.0 107.8 147.8

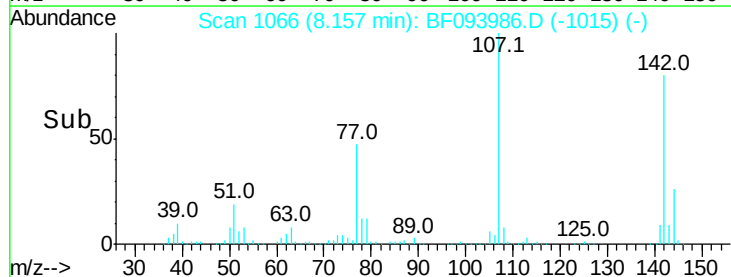
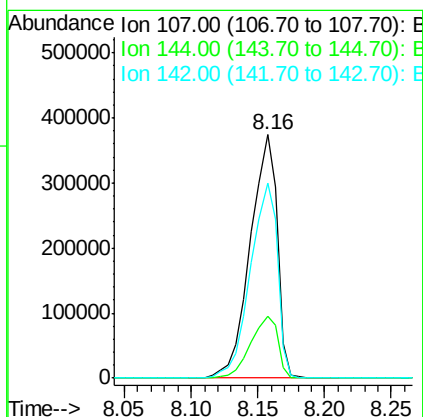
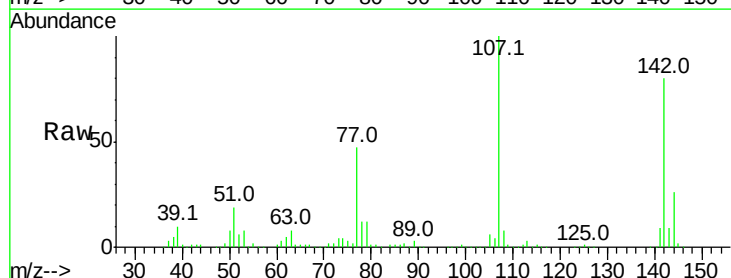
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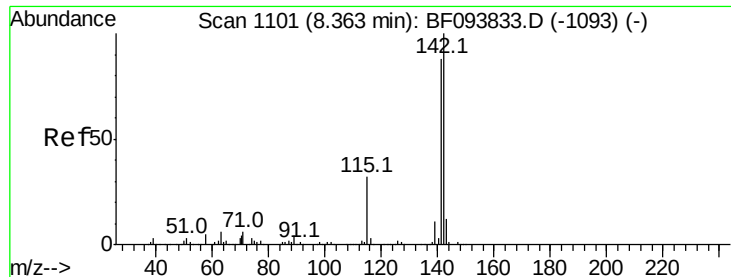
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#36
 4-Chloro-3-methylphenol
 Concen: 53.62 ng/ml
 RT: 8.16 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion:107 Resp: 517942
 Ion Ratio Lower Upper
 107 100
 144 25.6 24.2 36.4
 142 80.3 73.4 110.0





#37

2-Methylnaphthalene

Concen: 49.42 ng

RT: 8.32 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BF093986.D

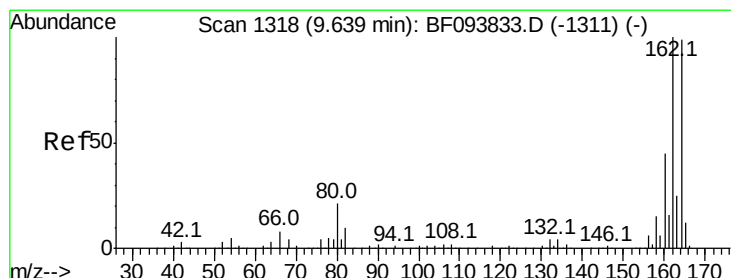
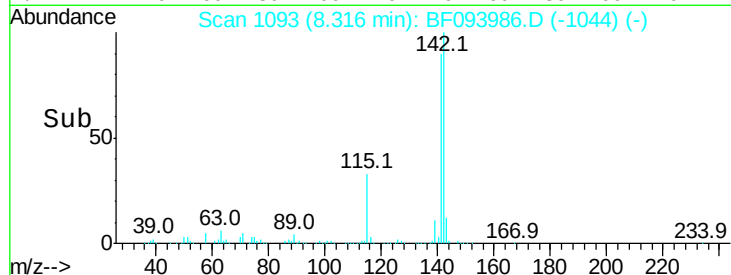
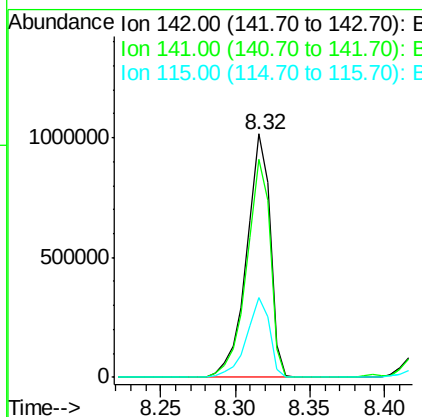
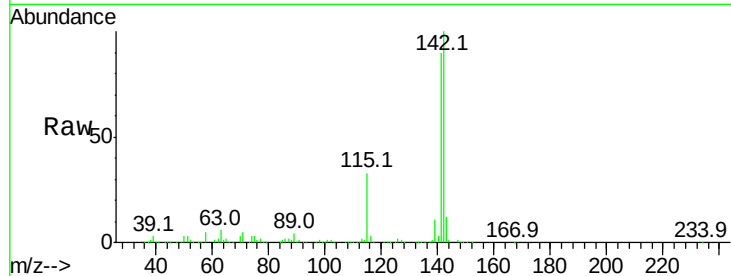
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampled :
S-3MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	32.9	27.1	40.7

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#38

Acenaphthene-d10

Concen: 20.00 ng

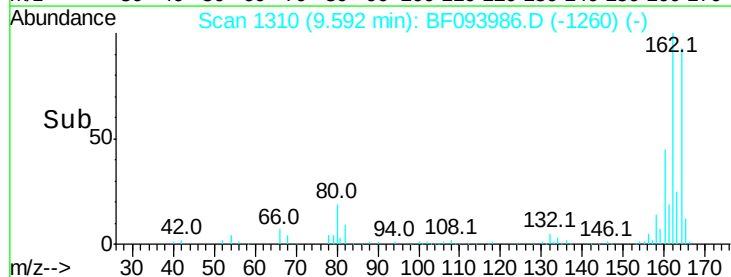
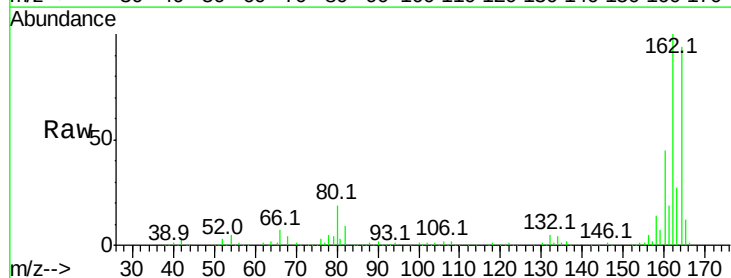
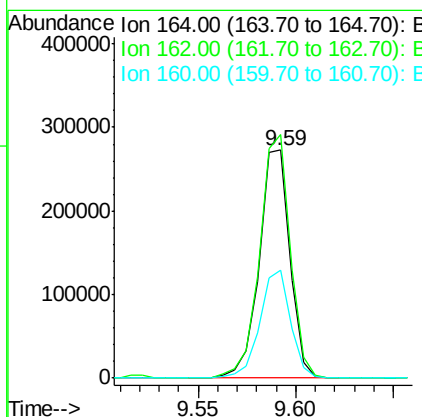
RT: 9.59 min Scan# 1310

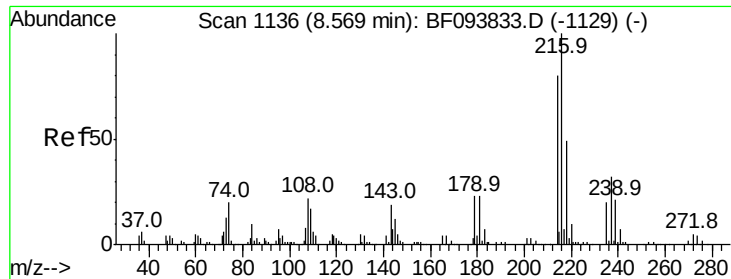
Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.9	82.6	123.8
160	47.7	36.2	54.2





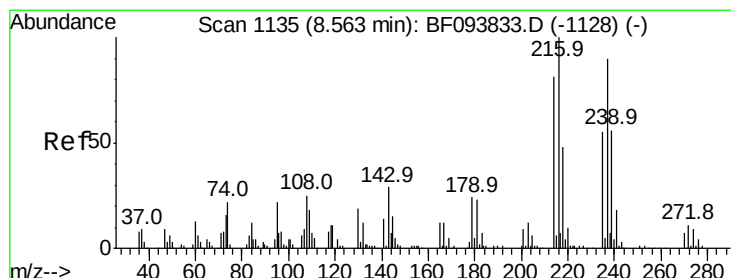
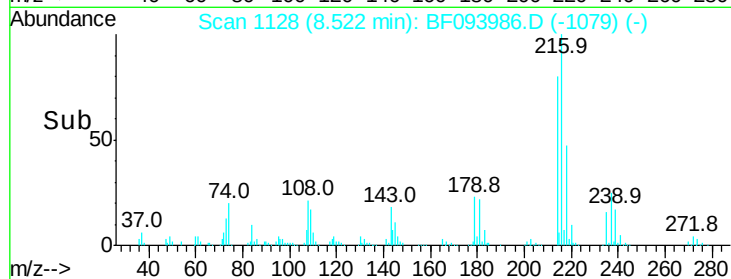
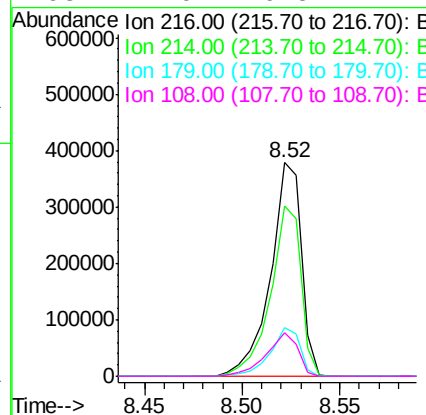
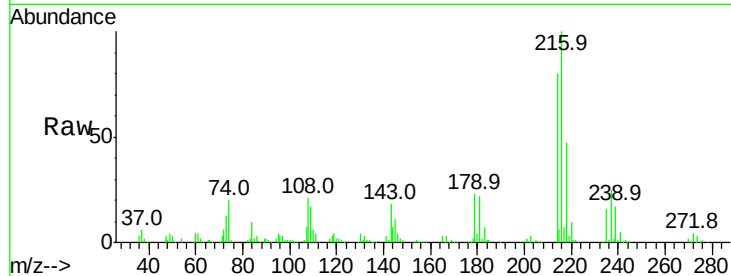
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 50.94 ng
 RT: 8.52 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	414374		
214	79.2	63.4	95.2	
179	22.0	17.9	26.9	
108	21.0	16.5	24.7	

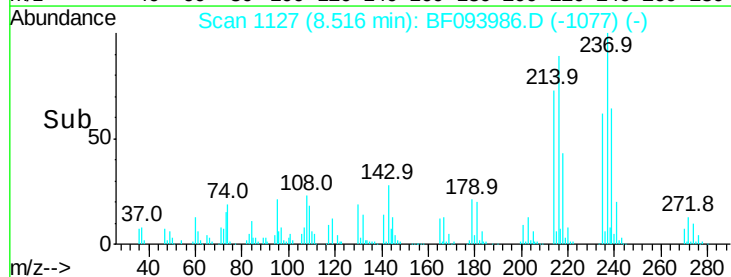
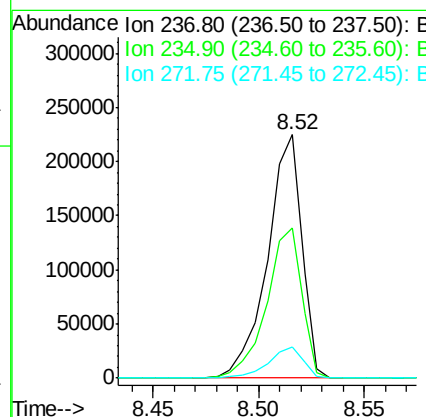
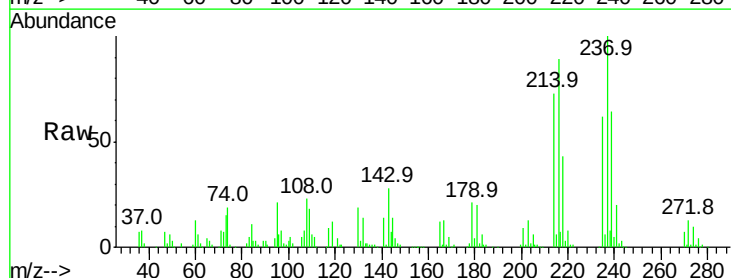
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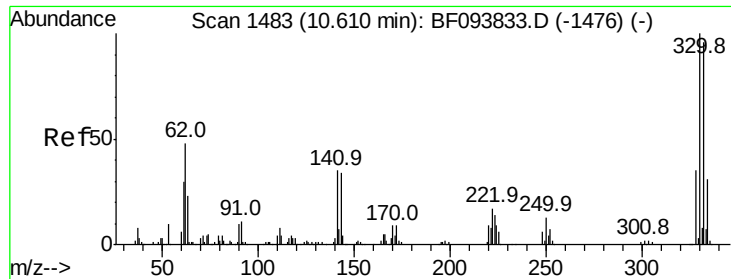
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#40
 Hexachlorocyclopentadiene
 Concen: 67.10 ng
 RT: 8.52 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	255423		
235	61.8	42.6	82.6	
272	12.7	0.0	31.9	





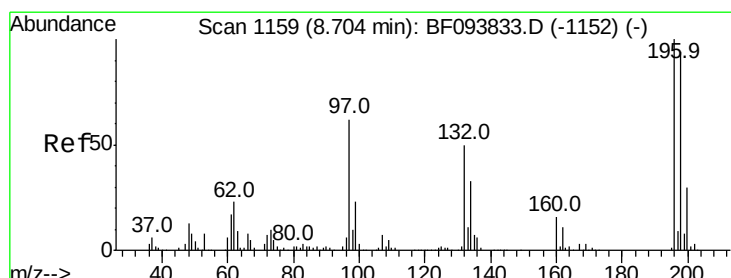
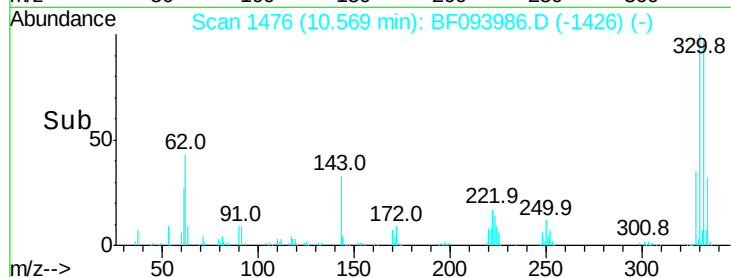
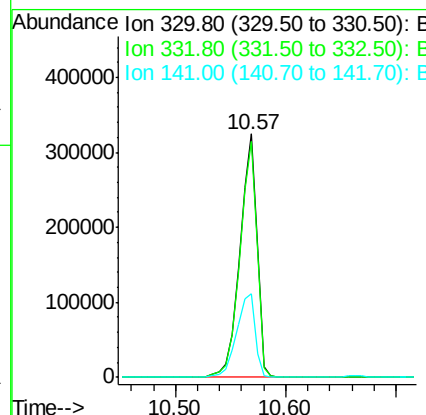
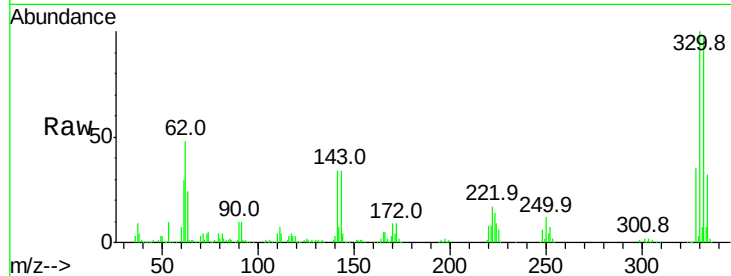
#41
 2,4,6-Tribromophenol
 Concen: 150.77 ng
 RT: 10.57 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	76.6	115.0	
141	37.9	31.4	47.2	

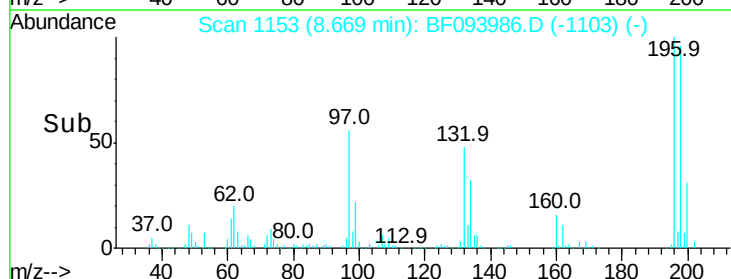
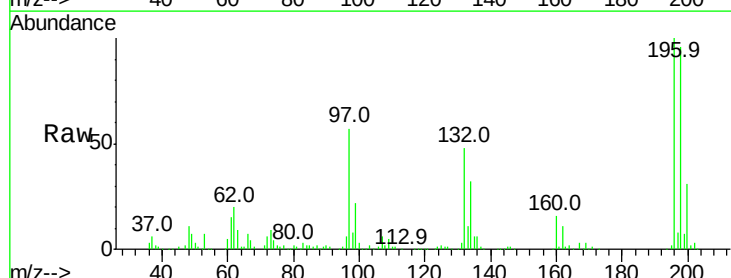
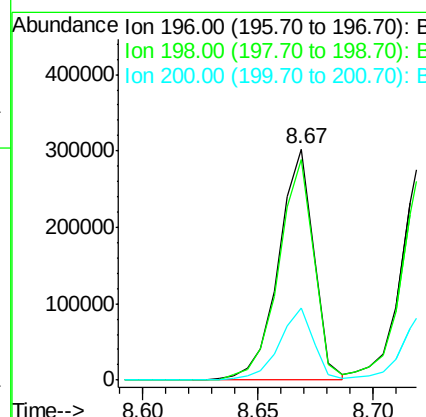
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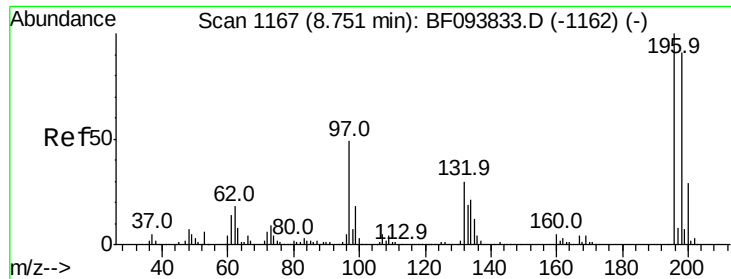
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 3/28/2017 3:43:43 PM



#42
 2,4,6-Trichlorophenol
 Concen: 55.57 ng
 RT: 8.67 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.7	74.2	111.4	
200	31.0	24.0	36.0	





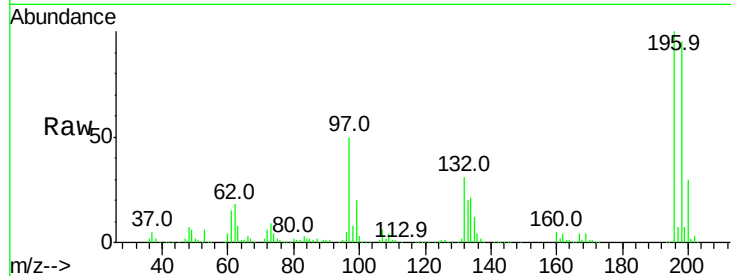
#43
 2,4,5-Trichlorophenol
 Concen: 51.61 ng
 RT: 8.72 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

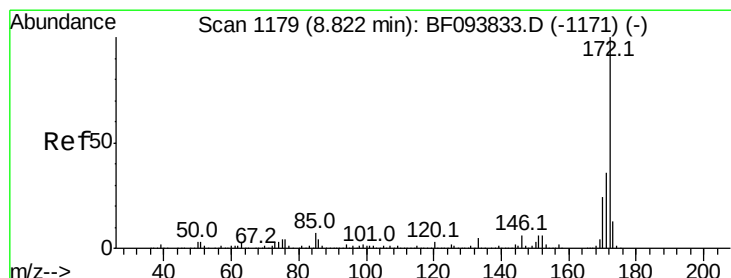
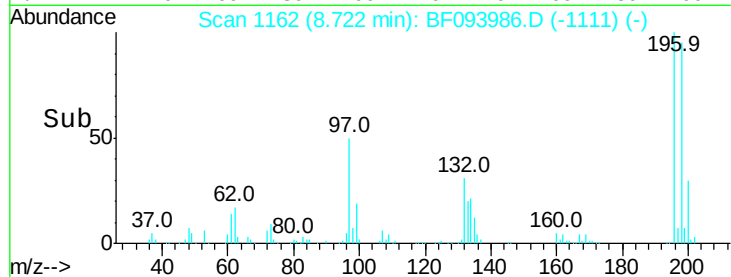
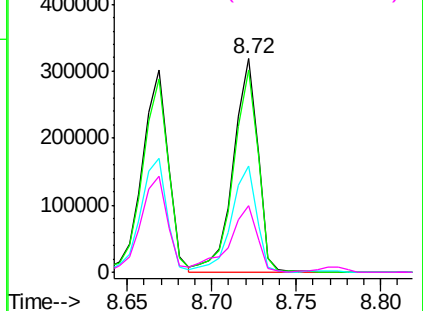
Tot Ion	196	Resp	321381
Ion Ratio	Lower	Upper	
196	100		
198	94.6	75.7	113.5
97	50.0	47.7	71.5
132	31.5	28.0	42.0

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 3/28/2017 3:43:43 PM



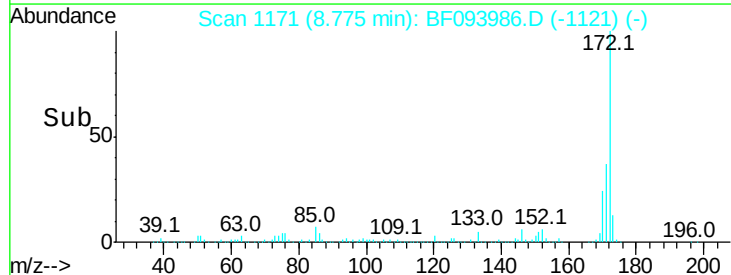
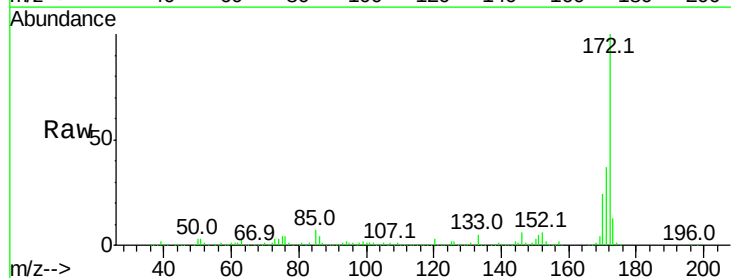
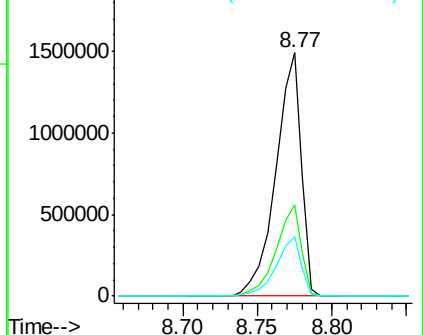
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

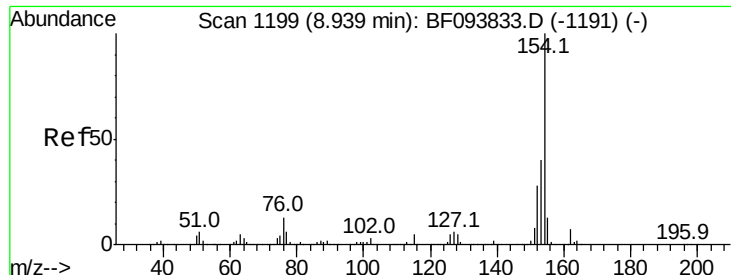


#44
 2-Fluorobiphenyl
 Concen: 91.23 ng
 RT: 8.77 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	172	Resp	1778513
Ion Ratio	Lower	Upper	
172	100		
171	37.5	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





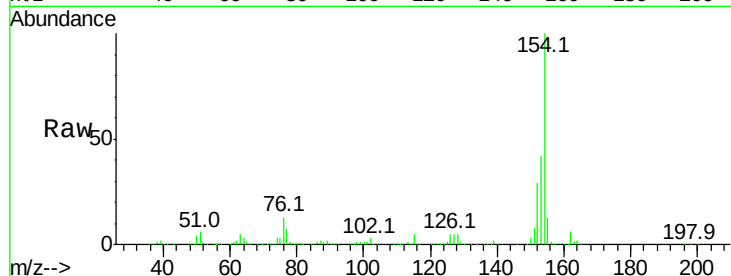
#45
 1,1'-Biphenyl
 Concen: 50.46 ng
 RT: 8.89 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampled :
 S-3MS

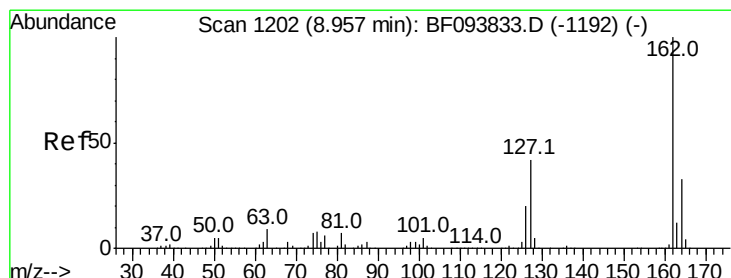
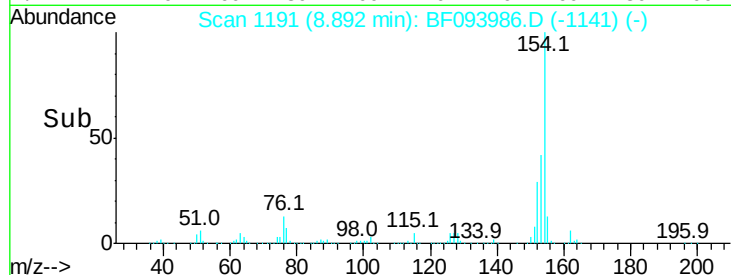
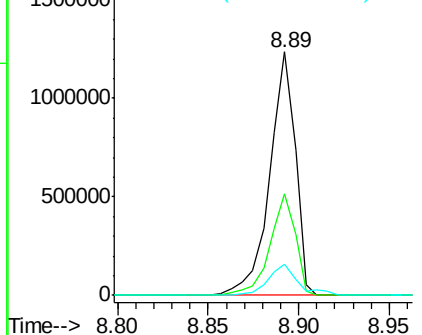
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.6	21.2	61.2
76	12.8	0.0	29.9

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 3/28/2017 3:43:43 PM

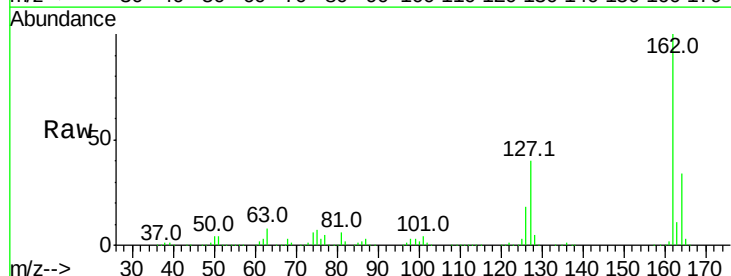


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

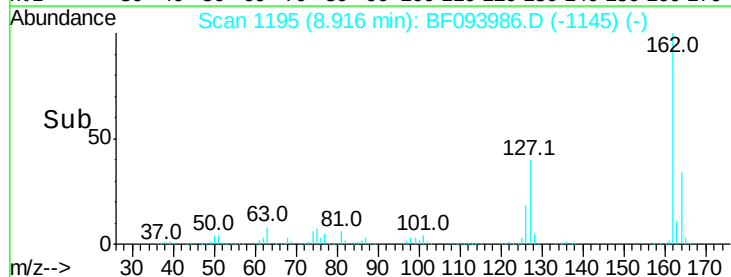
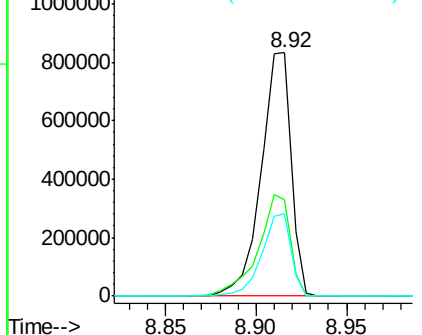


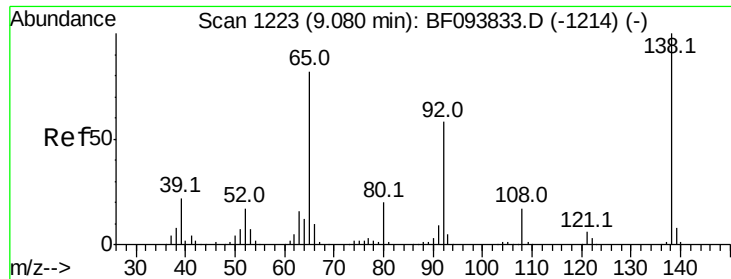
#46
 2-Chloronaphthalene
 Concen: 51.11 ng
 RT: 8.92 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.7	28.3	42.5
164	33.6	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





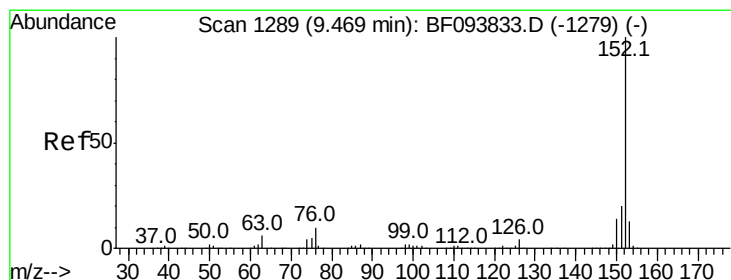
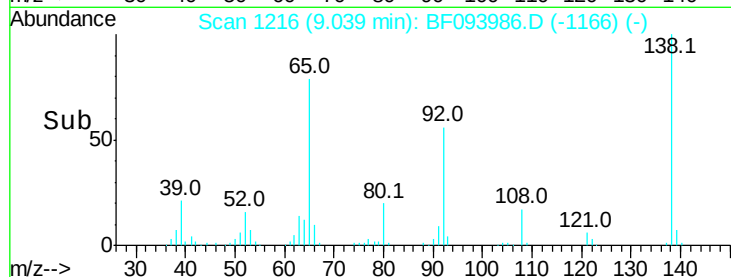
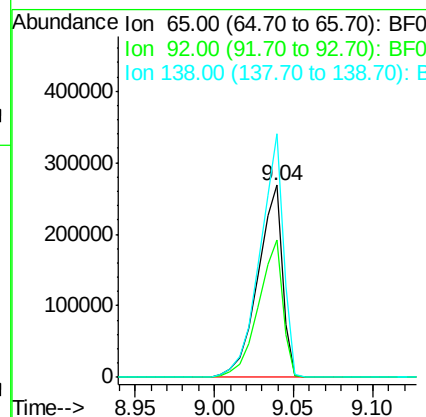
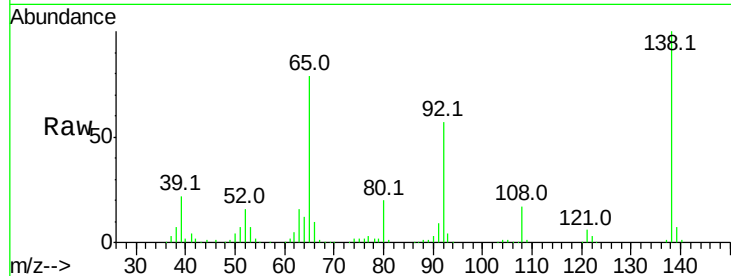
#47
2-Nitroaniline
Concen: 52.24 ng
RT: 9.04 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampled :
S-3MS

Tot Ion	Ratio	Lower	Upper
65	100		
92	71.7	53.9	80.9
138	126.7	78.8	118.2

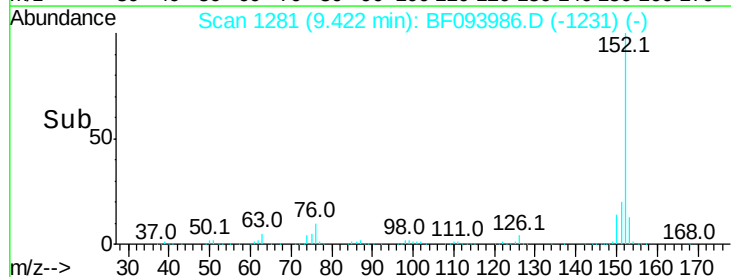
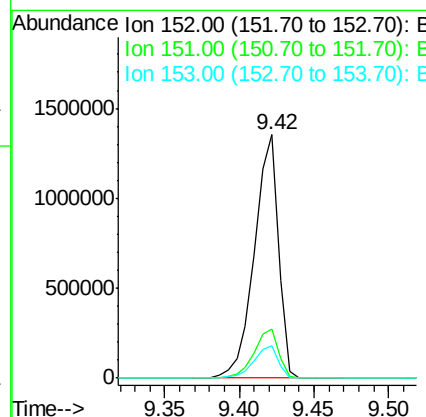
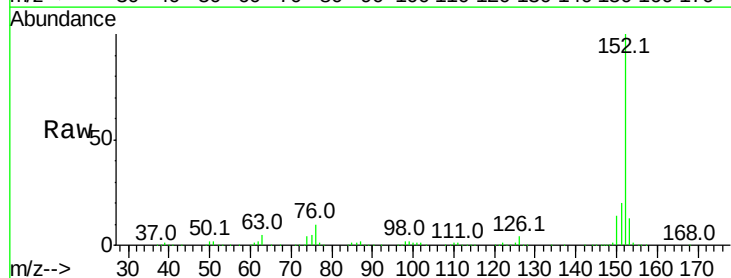
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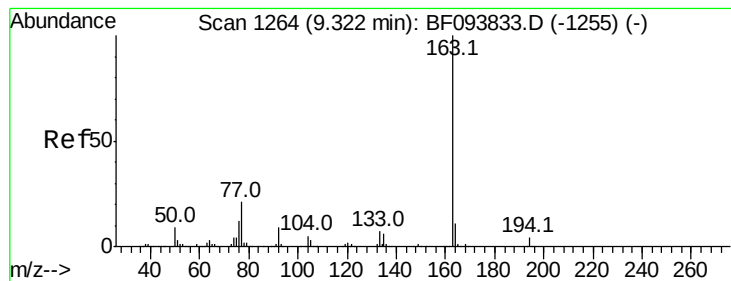
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3/28/2017 3:43:43 PM



#48
Acenaphthylene
Concen: 47.96 ng
RT: 9.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.1	10.8	16.2





#49

Dimethylphthalate

Concen: 57.80 ng

RT: 9.28 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampleId :

S-3MS

Tot Ion:163 Resp: 1221823

Ion Ratio Lower Upper

163 100

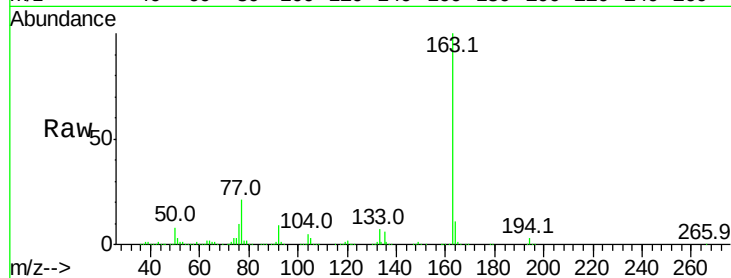
194 3.4 2.6 4.0

164 10.5 8.4 12.6

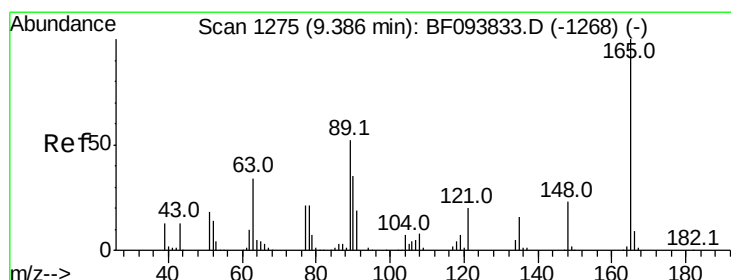
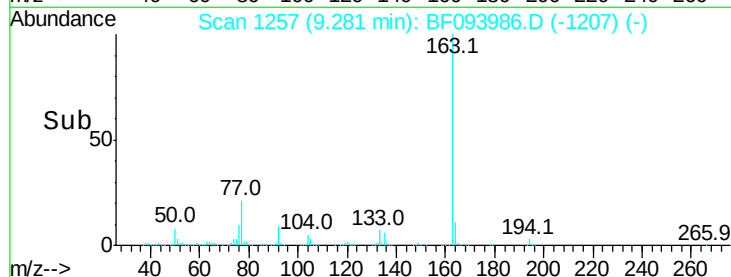
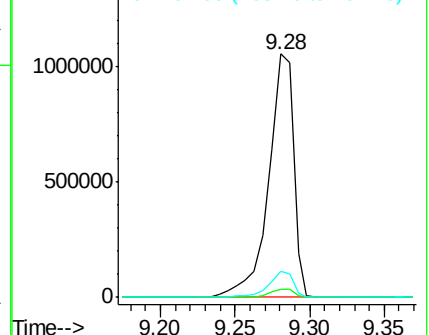
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3/28/2017 3:43:43 PM



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



#50

2,6-Dinitrotoluene

Concen: 52.33 ng

RT: 9.35 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

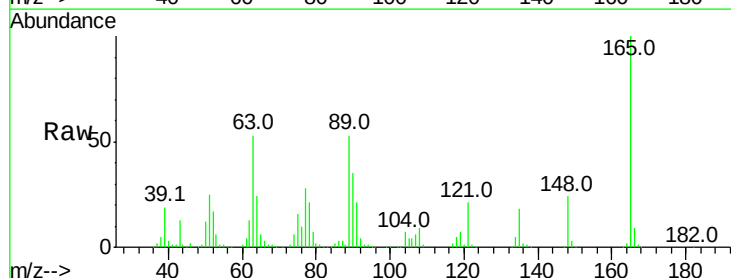
Tgt Ion:165 Resp: 253590

Ion Ratio Lower Upper

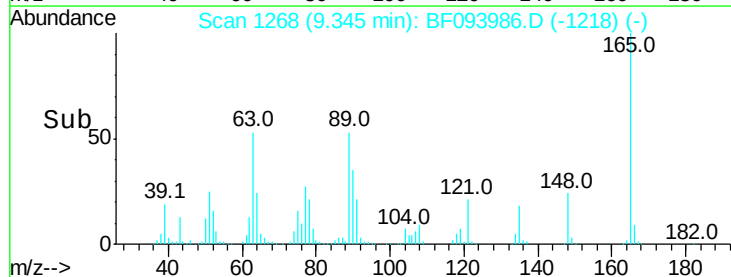
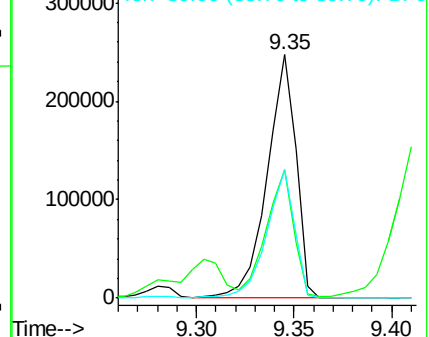
165 100

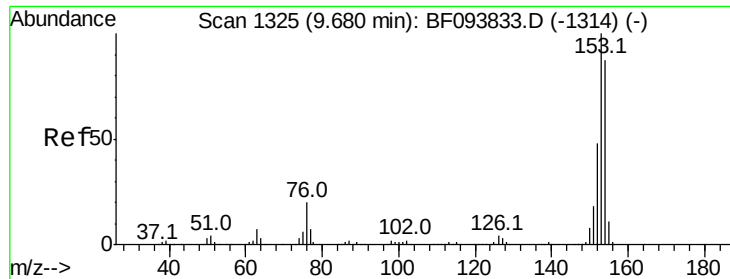
63 52.7 34.3 51.5#

89 52.5 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: 49.01 ng

RT: 9.63 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampled :

S-3MS

Tot Ion:154 Resp: 892297

Ion Ratio Lower Upper

154 100

153 112.5 90.5 135.7

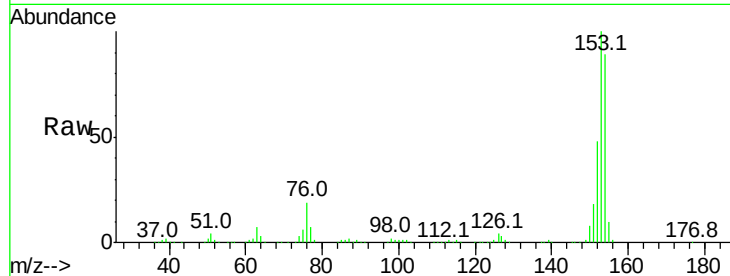
152 53.9 43.6 65.4

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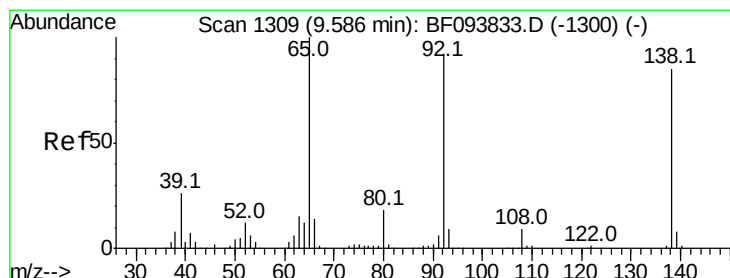
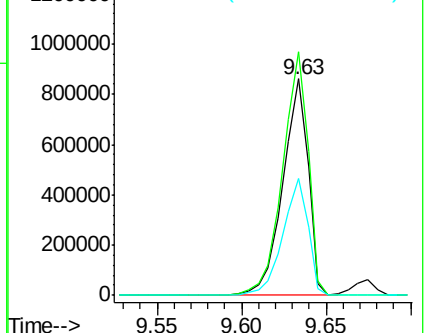
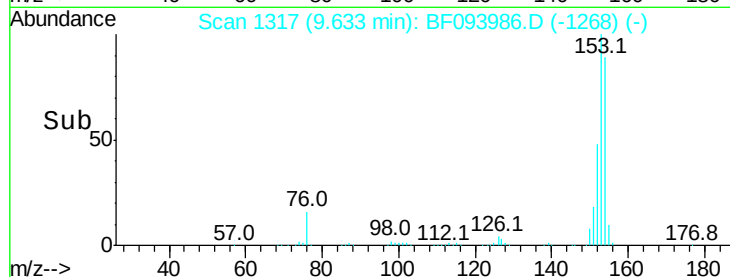
3/28/2017 3:43:43 PM



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



#52

3-Nitroaniline

Concen: 24.53 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

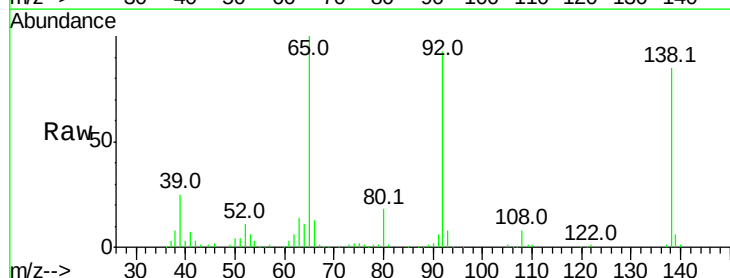
Tgt Ion:138 Resp: 139568

Ion Ratio Lower Upper

138 100

108 9.9 9.1 13.7

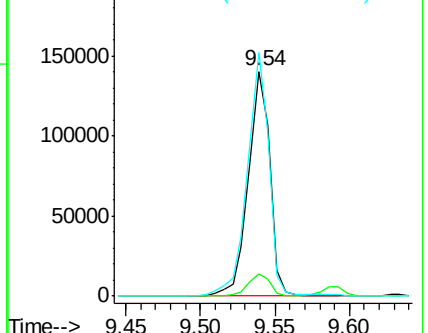
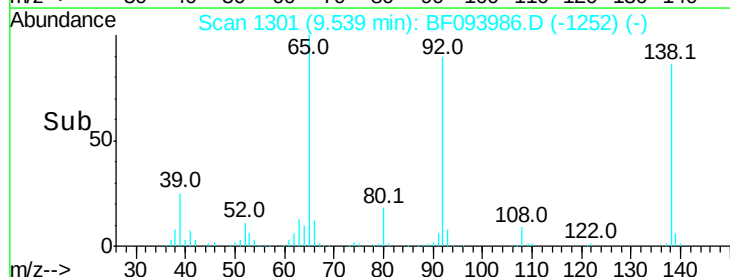
92 108.4 93.8 140.6

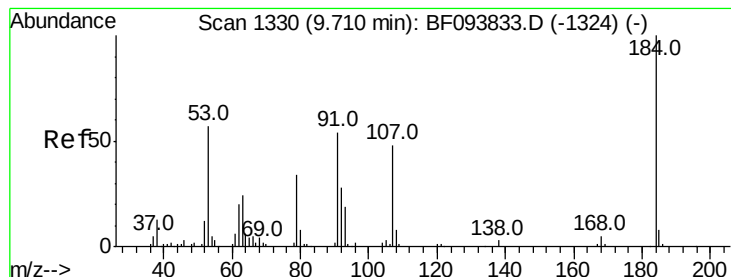


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





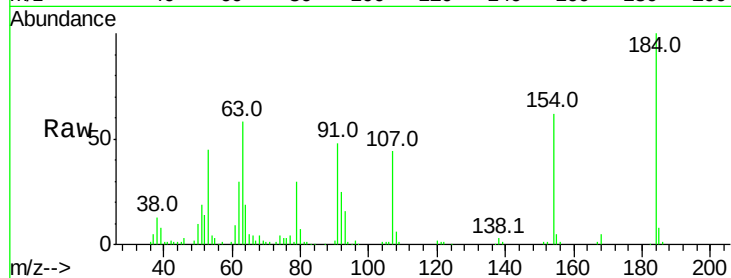
#53
 2,4-Dinitrophenol
 Concen: 40.42 ng
 RT: 9.67 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampled :
 S-3MS

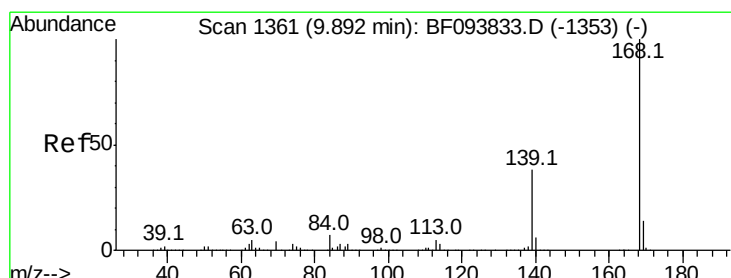
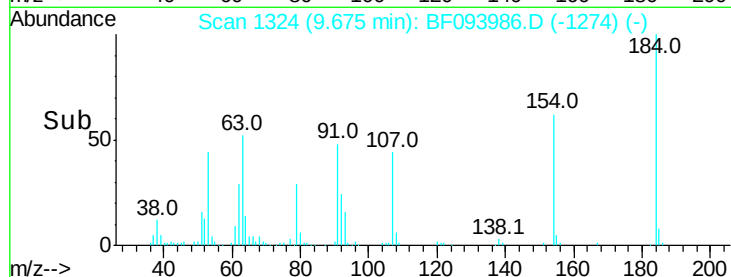
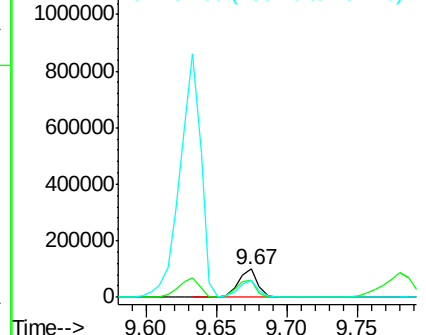
Tot Ion	Ratio	Lower	Upper
184	100		
63	58.5	62.7	94.1#
154	62.2	81.1	121.7#

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 3/28/2017 3:43:43 PM

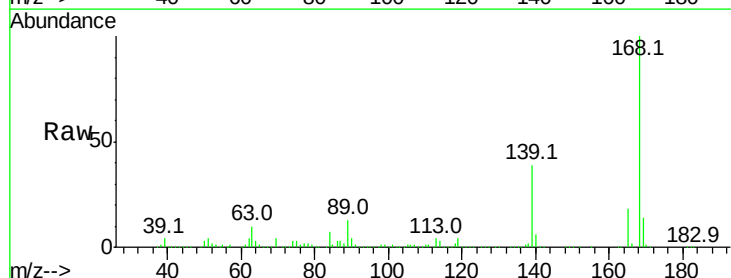


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

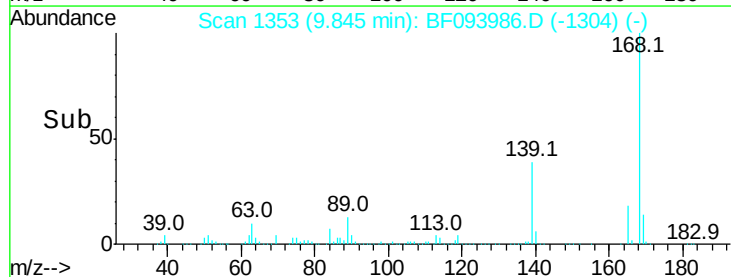
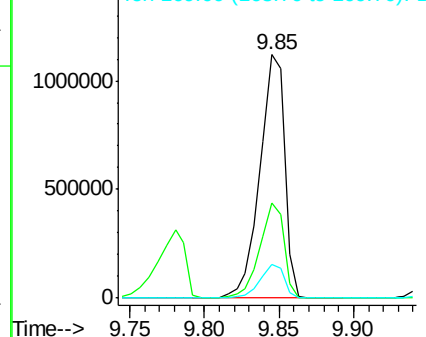


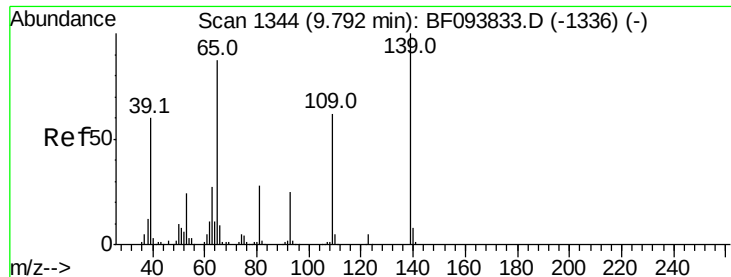
#54
 Dibenzofuran
 Concen: 51.54 ng
 RT: 9.85 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.6	45.8
169	13.9	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: 92.50 ng

RT: 9.78 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampled :

S-3MS

Tot Ion:139 Resp: 412170

Ion Ratio Lower Upper

139 100

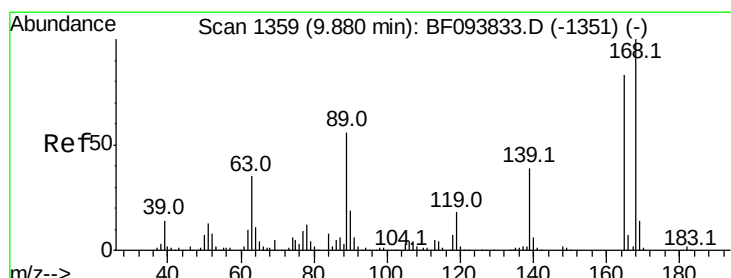
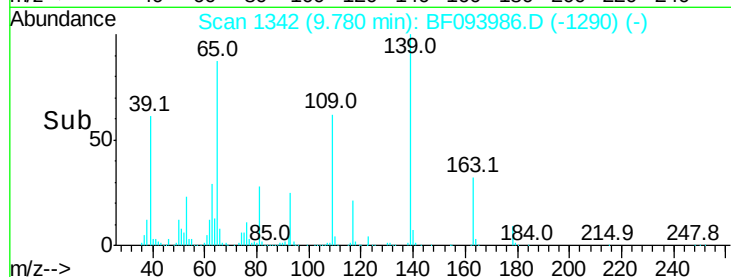
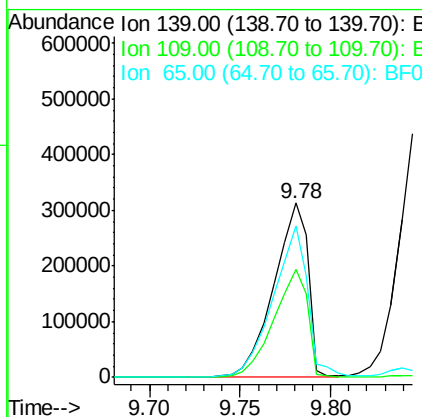
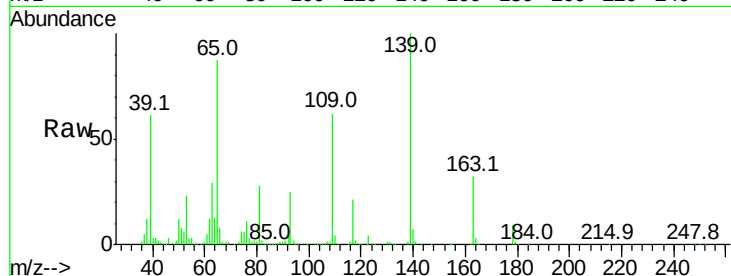
109 62.4 34.1 74.1

65 87.3 31.4 71.4#

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3/28/2017 3:43:43 PM



#56

2,4-Dinitrotoluene

Concen: 50.08 ng

RT: 9.84 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Tgt Ion:165 Resp: 304822

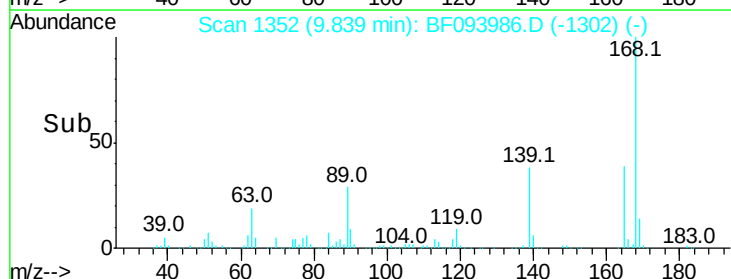
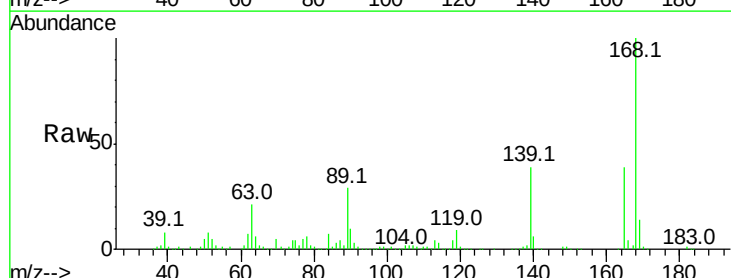
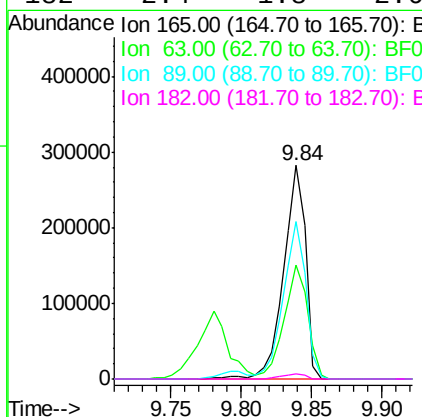
Ion Ratio Lower Upper

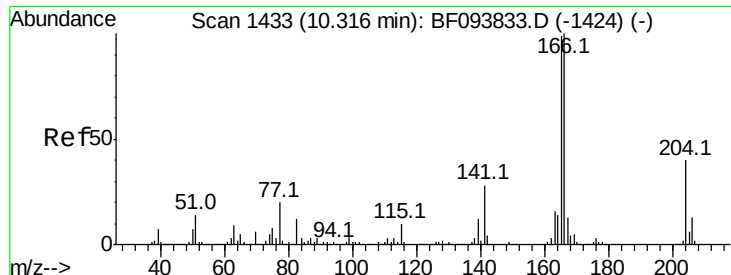
165 100

63 53.2 25.4 38.0#

89 73.9 46.4 69.6#

182 2.4 1.8 2.6





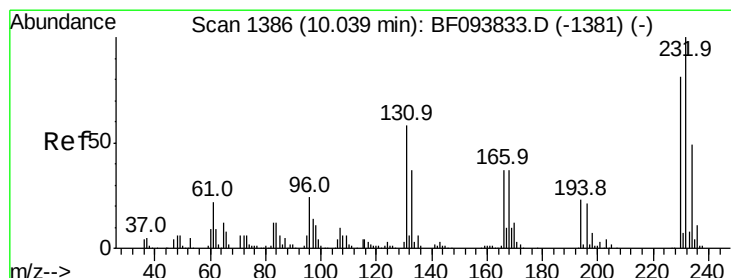
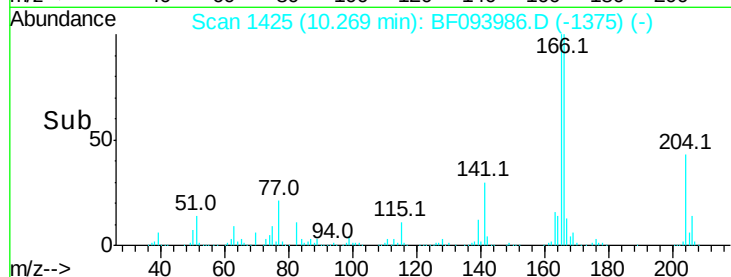
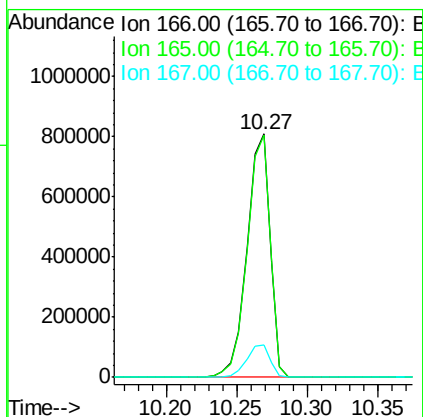
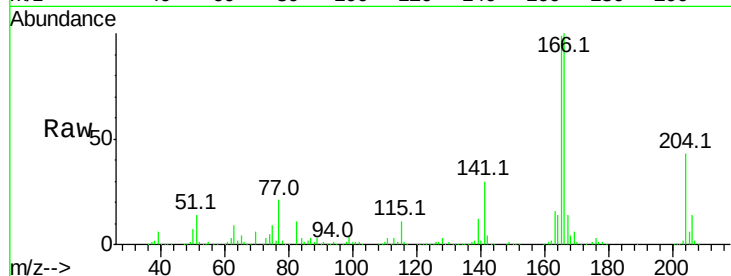
#57
Fluorene
 Concen: 45.16 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.4	78.8	118.2	
167	13.5	10.6	16.0	

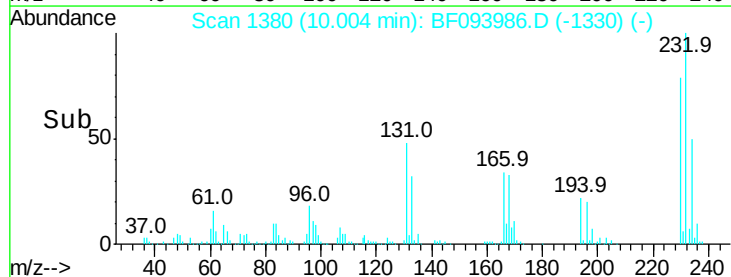
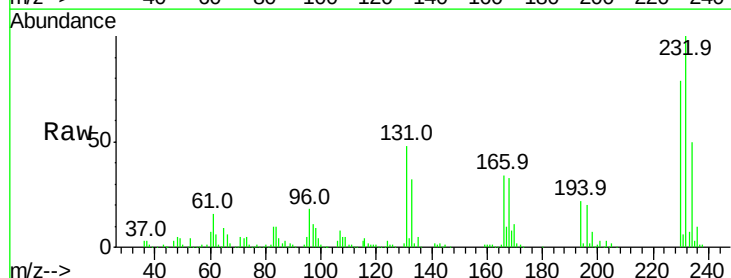
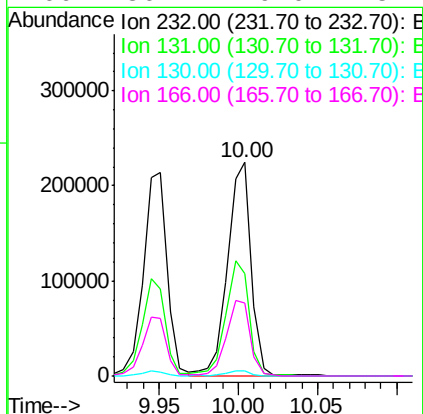
Manual Integrations
 APPROVED

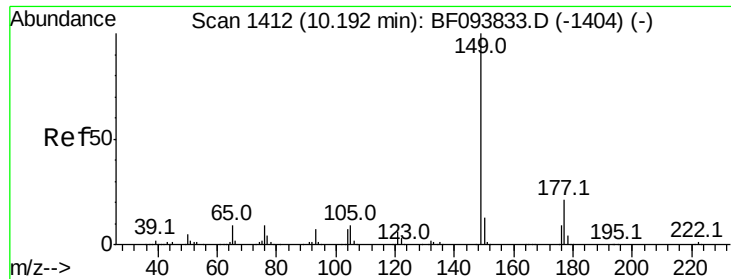
mohammad
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 53.86 ng
 RT: 10.00 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	54.5	44.8	67.2	
130	2.9	2.3	3.5	
166	36.1	29.0	43.4	





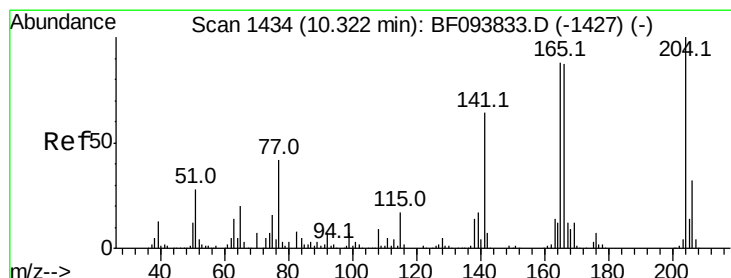
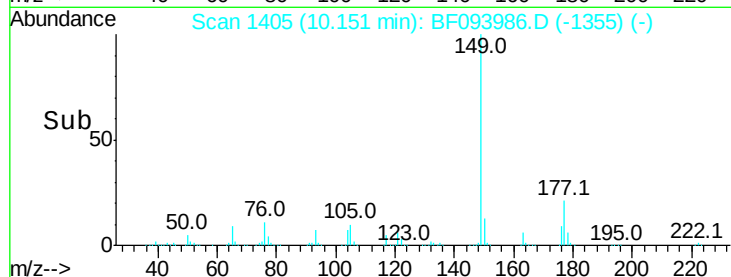
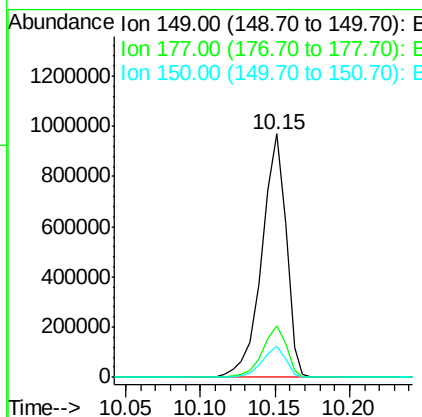
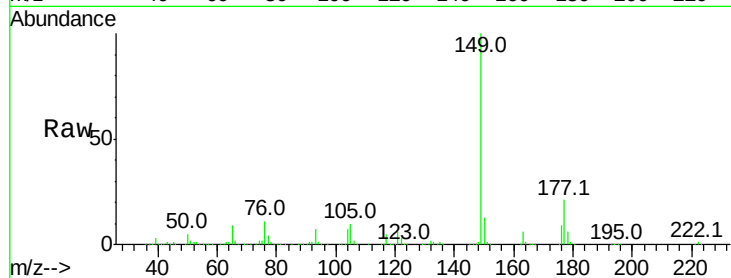
#59
Diethylphthalate
Concen: 52.08 ng
RT: 10.15 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampled :
S-3MS

Tot Ion:149 Resp: 1087964
Ion Ratio Lower Upper
149 100
177 21.4 16.7 25.1
150 12.6 10.2 15.2

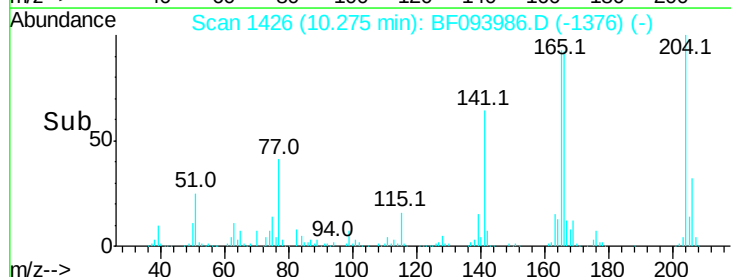
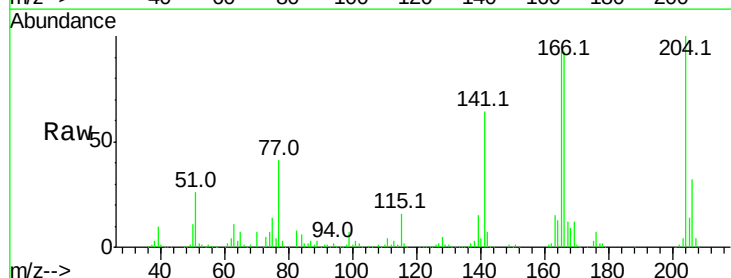
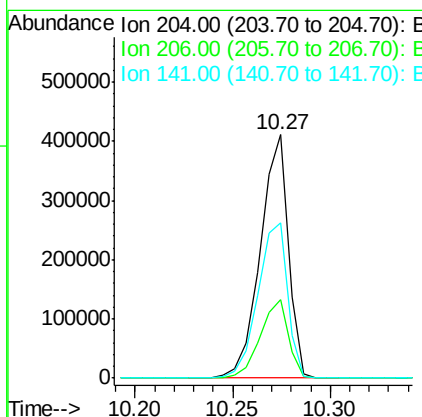
Manual Integrations
APPROVED

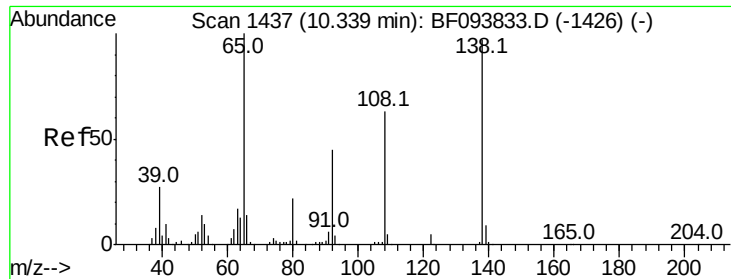
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 46.76 ng
RT: 10.27 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion:204 Resp: 409459
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 63.9 60.8 91.2





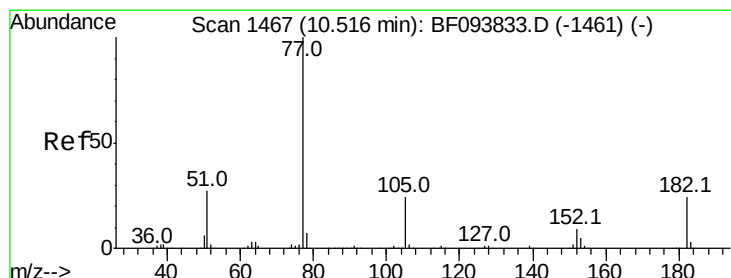
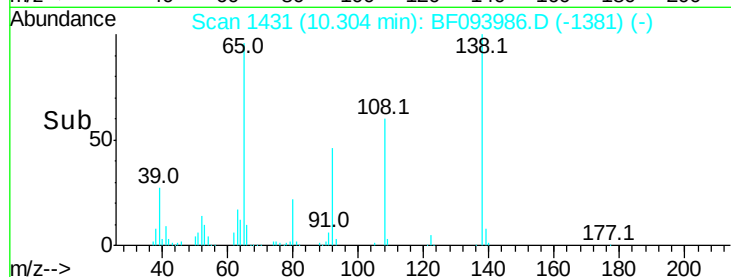
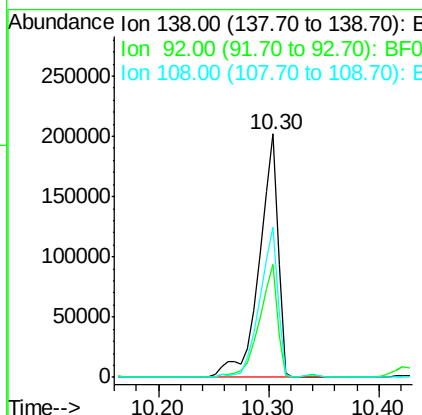
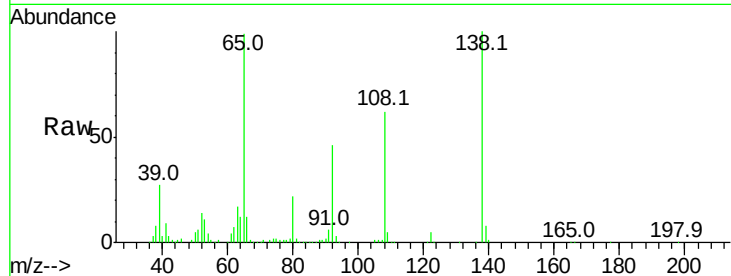
#61
4-Nitroaniline
Concen: 44.49 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampleId :
S-3MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	46.3	21.8	61.8
108	61.6	42.3	82.3

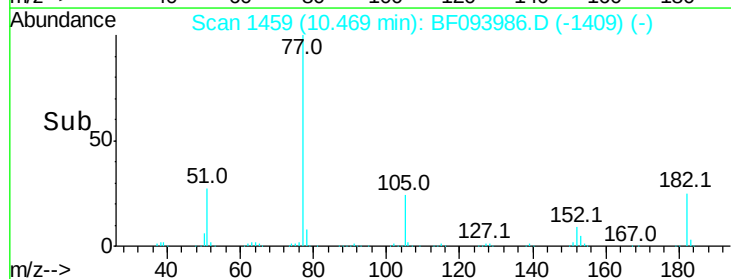
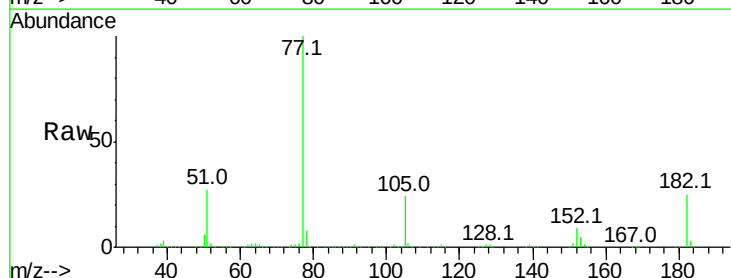
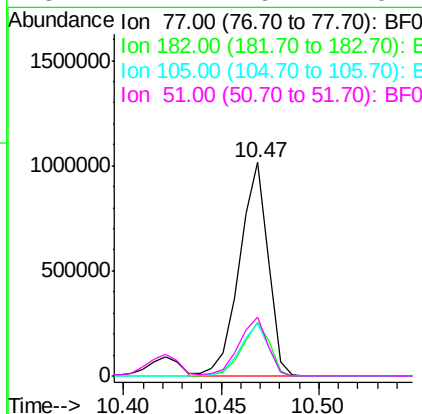
Manual Integrations
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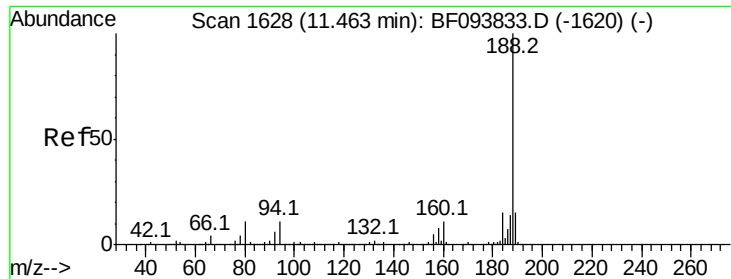
mohammad
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#62
Azobenzene
Concen: 52.19 ng
RT: 10.47 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.0	0.1	40.1
105	24.4	3.6	43.6
51	27.4	9.4	49.4





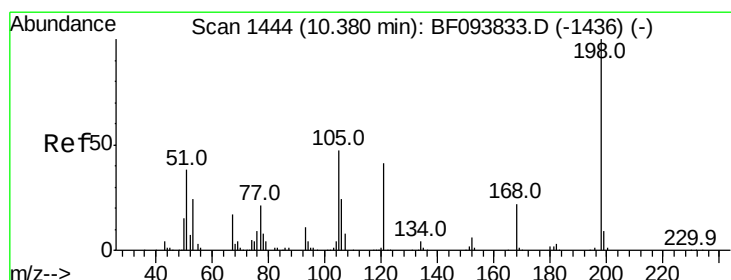
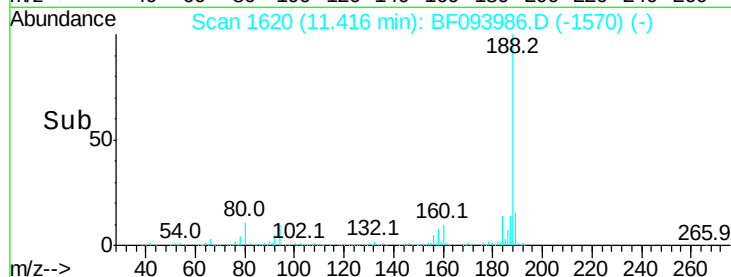
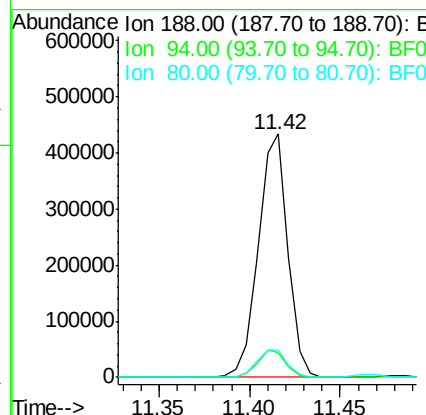
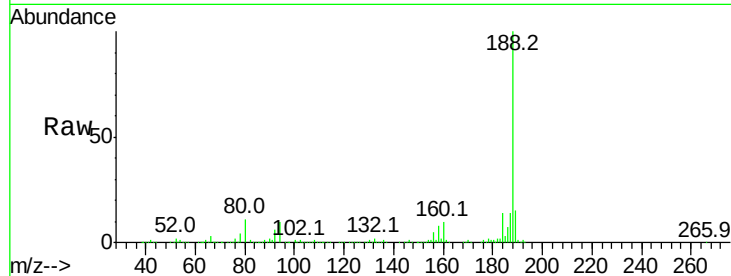
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampled :
S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	488344		
94	10.1		9.4	14.2
80	11.1		10.2	15.2

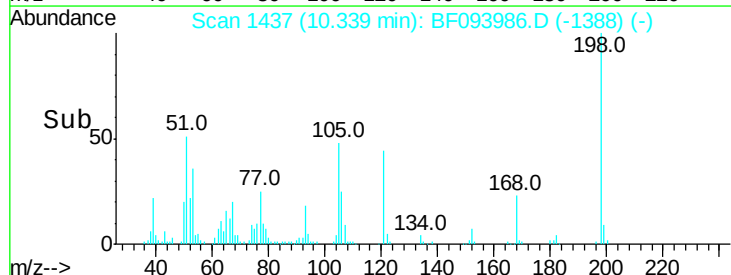
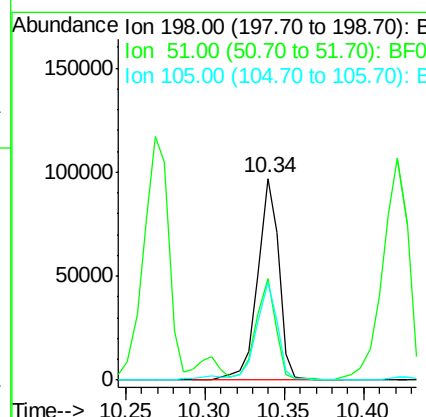
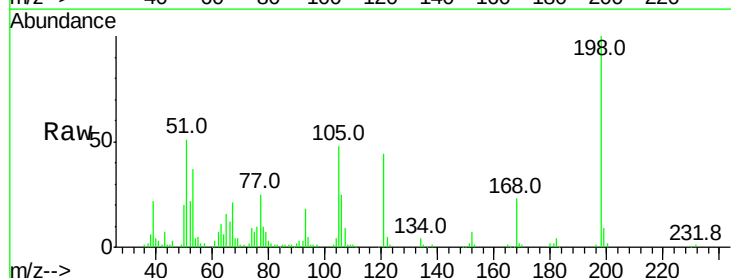
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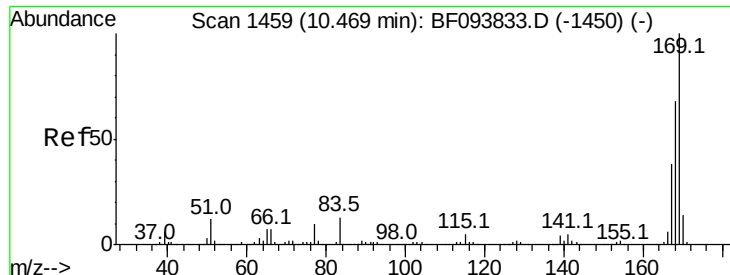
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 30.25 ng
RT: 10.34 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	90477		
51	50.6		53.2	93.2#
105	48.4		45.8	85.8





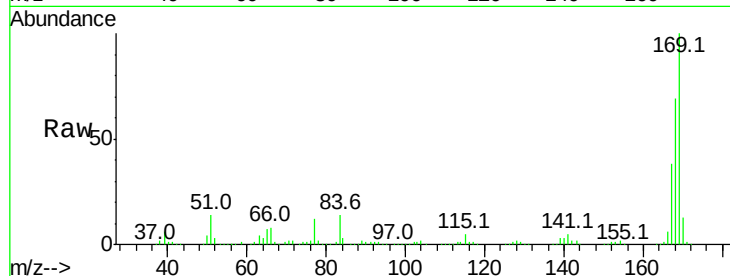
#65
 n-Nitrosodiphenylamine
 Concen: 53.31 ng
 RT: 10.42 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampled :
 S-3MS

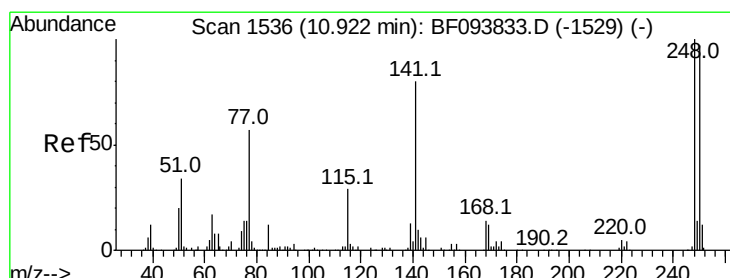
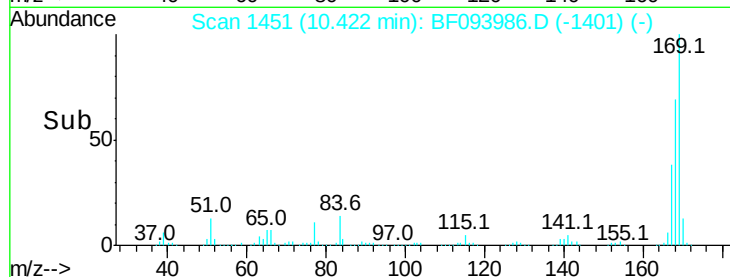
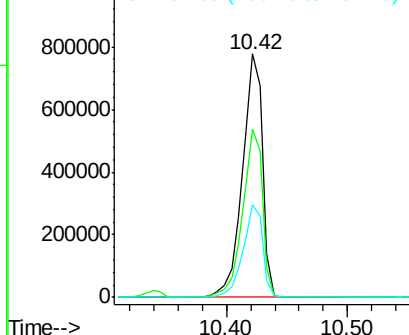
Tot Ion	Ratio	Lower	Upper
169	100		
168	69.2	53.2	79.8
167	38.0	29.5	44.3

Manual Integrations
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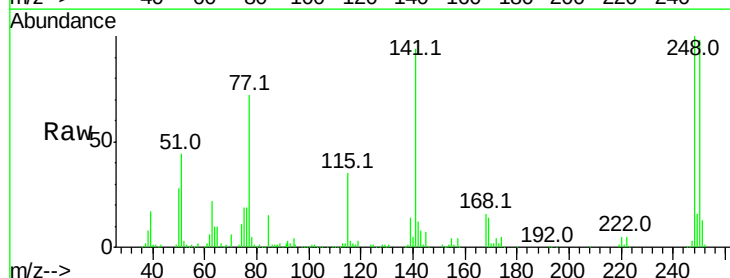


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

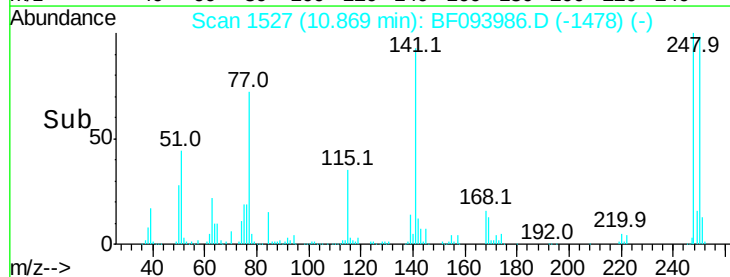
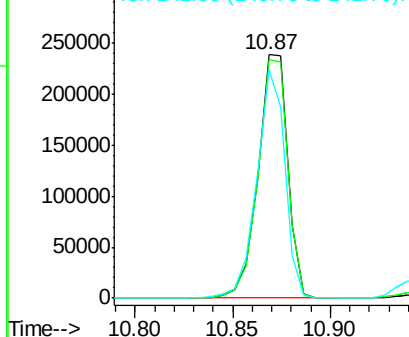


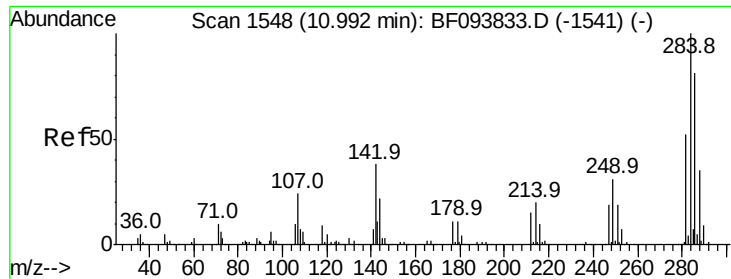
#66
 4-Bromophenyl-phenylether
 Concen: 52.55 ng
 RT: 10.87 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.8	115.2
141	93.6	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: 53.20 ng

RT: 10.95 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

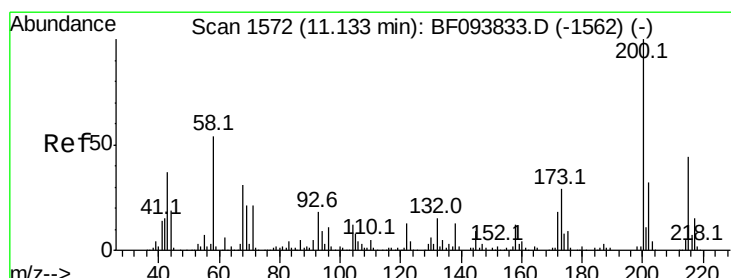
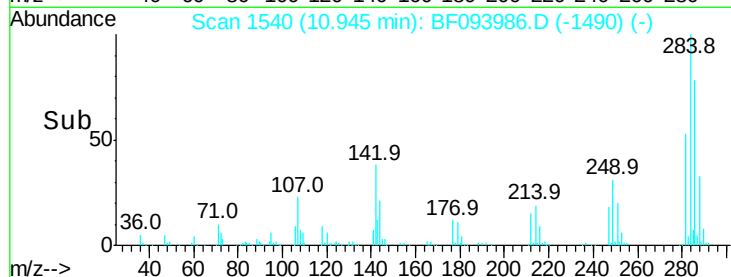
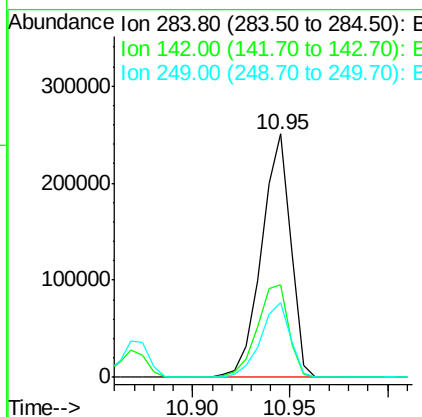
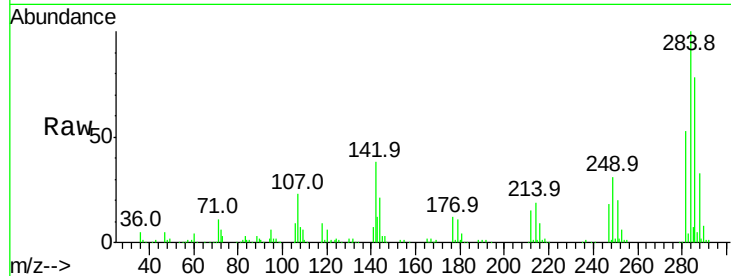
ClientSampled :

S-3MS

Tot Ion:	284	Resp:	258654
Ion Ratio	Lower	Upper	
284	100		
142	37.9	22.8	34.2#
249	30.6	24.0	36.0

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



#68

Atrazine

Concen: 52.33 ng

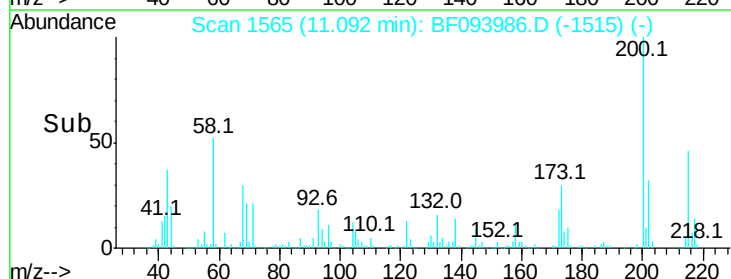
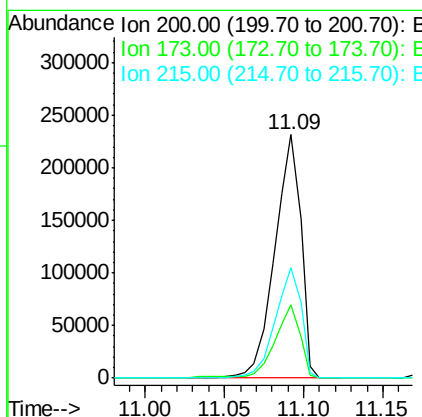
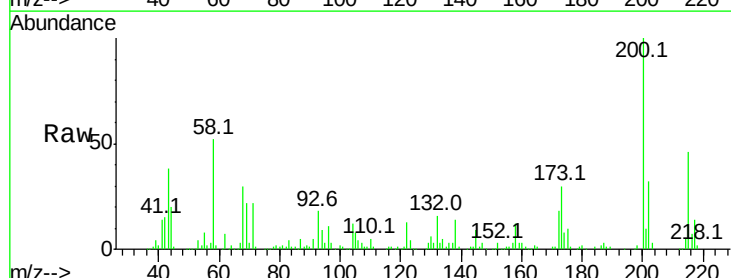
RT: 11.09 min Scan# 1565

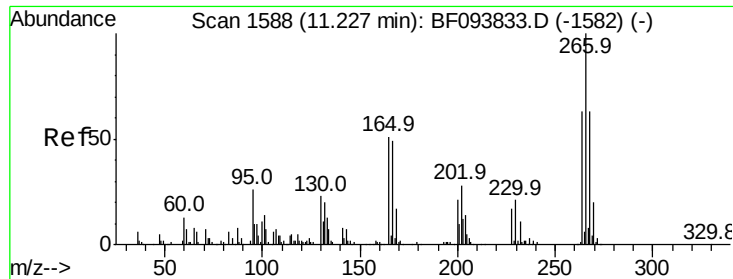
Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Tgt Ion:	200	Resp:	264714
Ion Ratio	Lower	Upper	
200	100		
173	30.3	6.3	46.3
215	45.5	27.2	67.2





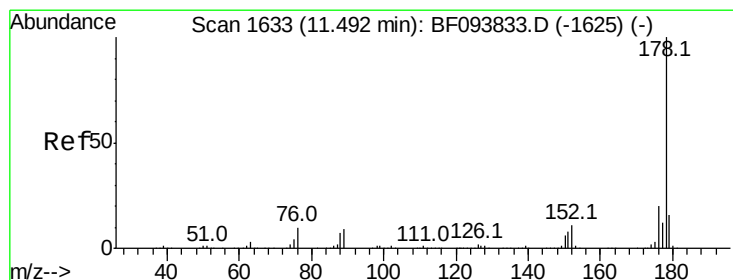
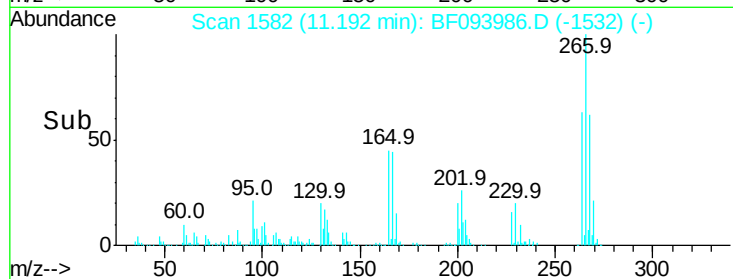
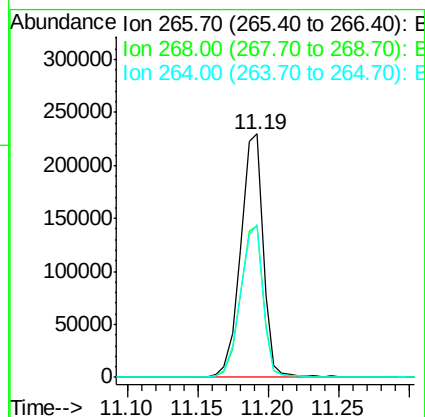
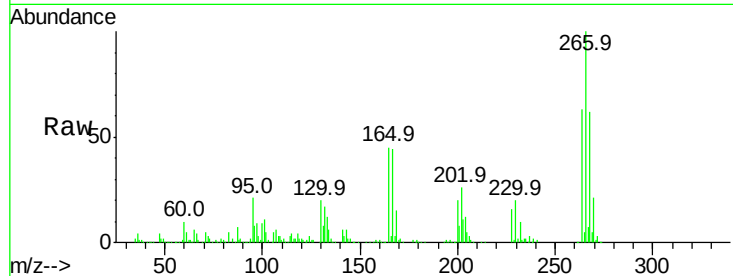
#69
 Pentachlorophenol
 Concen: 85.03 ng
 RT: 11.19 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	257319		
268	62.3		51.1	76.7
264	62.7		51.7	77.5

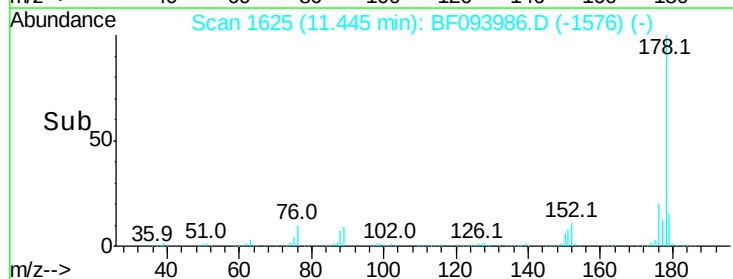
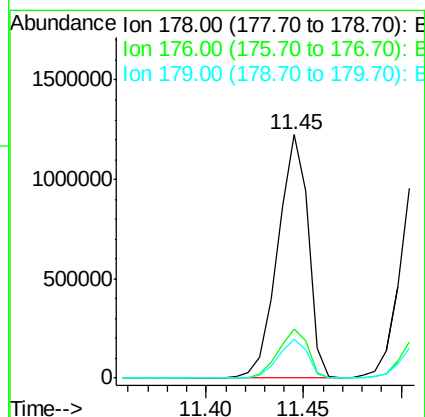
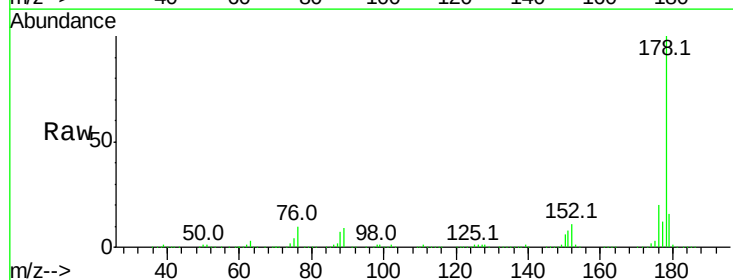
Manual Integrations
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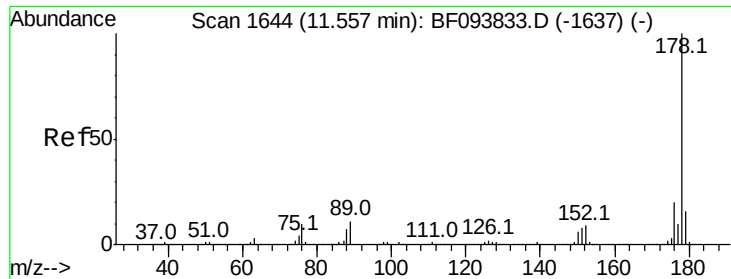
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#70
 Phenanthrene
 Concen: 48.55 ng
 RT: 11.45 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1318920		
176	20.0		16.2	24.4
179	15.7		12.6	19.0





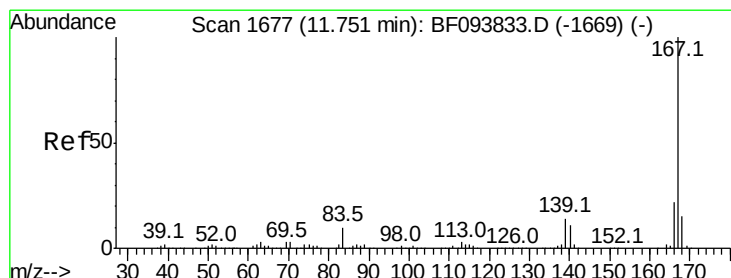
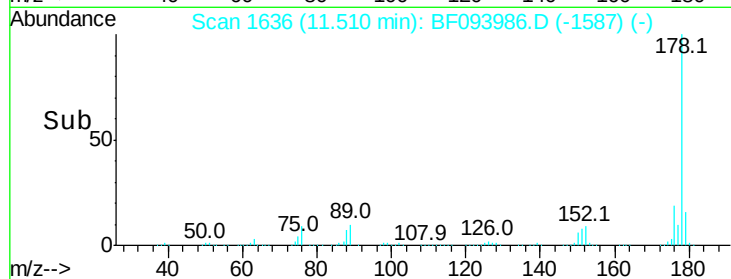
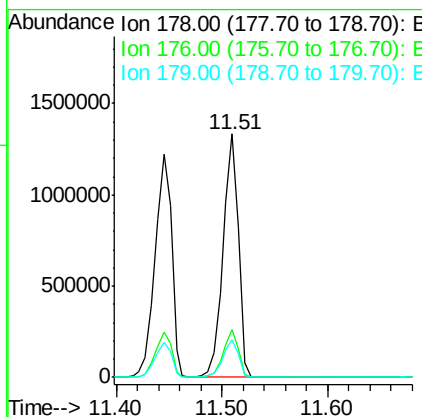
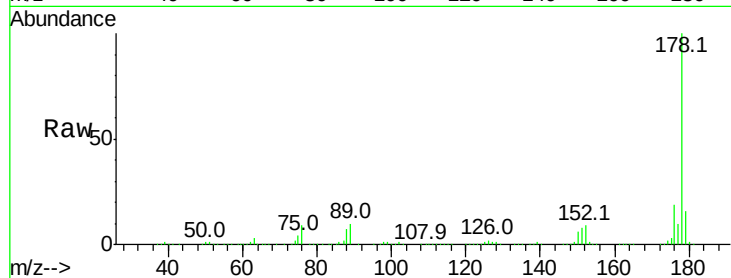
#71
 Anthracene
 Concen: 48.64 ng
 RT: 11.51 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion:178 Resp: 1360599
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.6 12.7 19.1

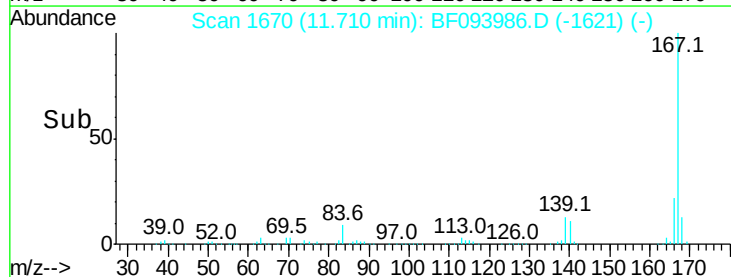
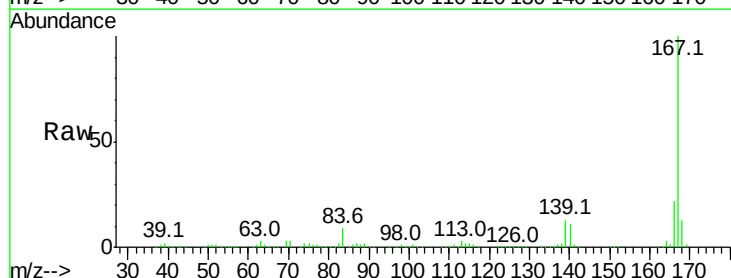
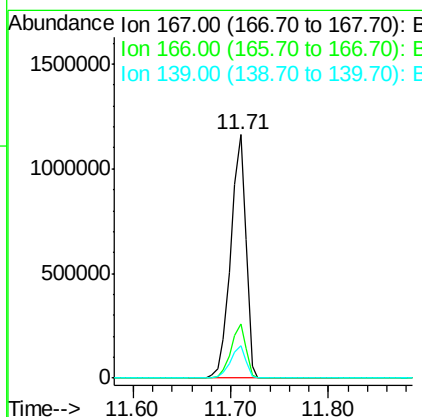
Manual Integrations
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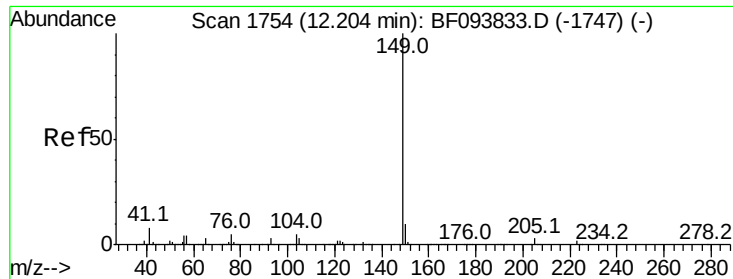
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#72
 Carbazole
 Concen: 43.99 ng
 RT: 11.71 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion:167 Resp: 1261579
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 13.4 11.7 17.5





#73

Di-n-butylphthalate

Concen: 52.99 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

ClientSampleId :

S-3MS

Tot Ion:149 Resp: 1580709

Ion Ratio Lower Upper

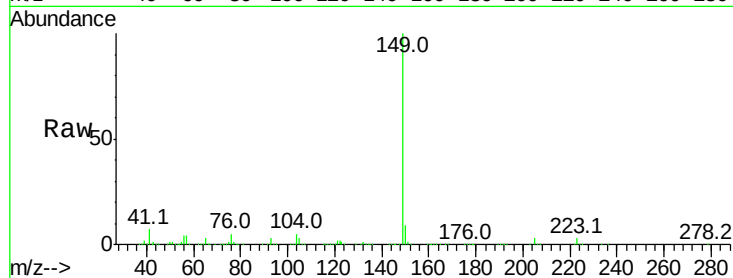
149 100

150 9.4 7.7 11.5

104 4.8 4.0 6.0

Manual Integrations
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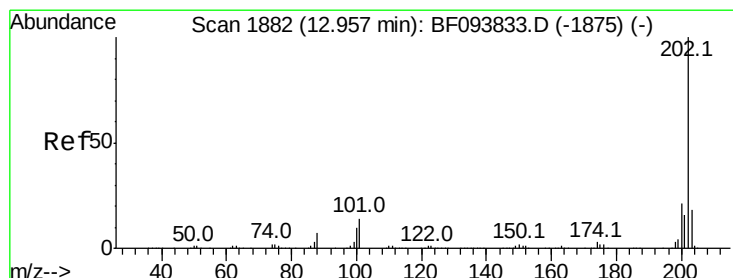
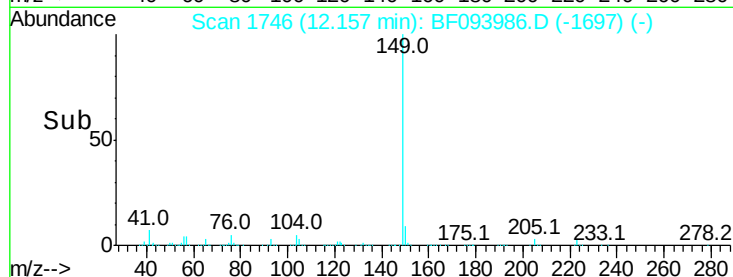
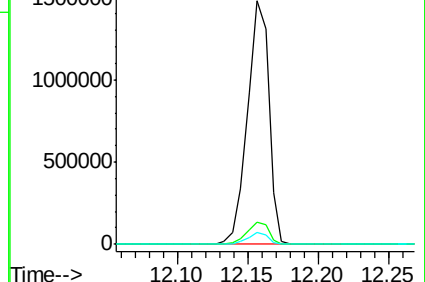
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.11 ng

RT: 12.90 min Scan# 1873

Delta R.T. -0.02 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

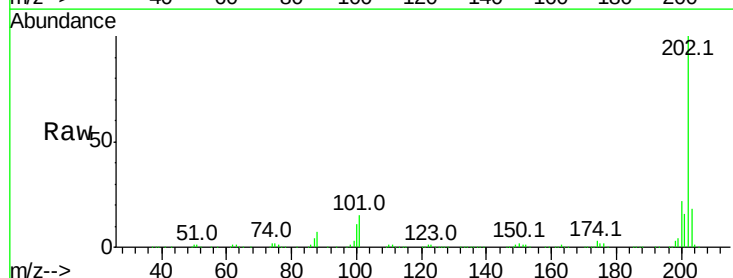
Tgt Ion:202 Resp: 1199141

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.2

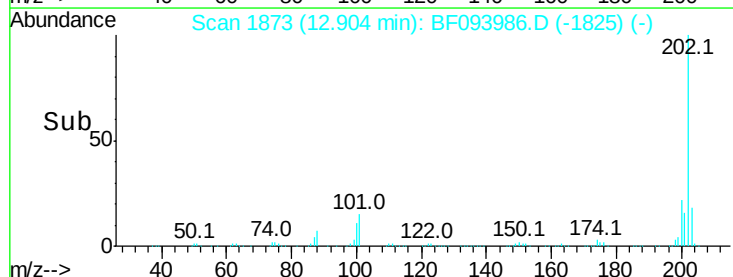
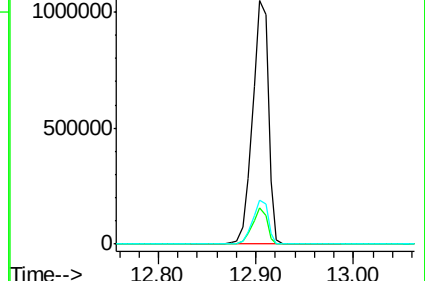
203 18.0 0.0 38.1

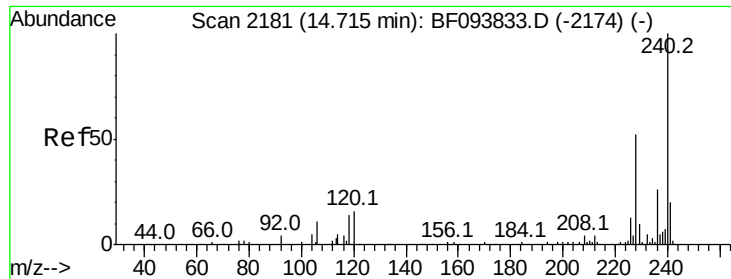


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





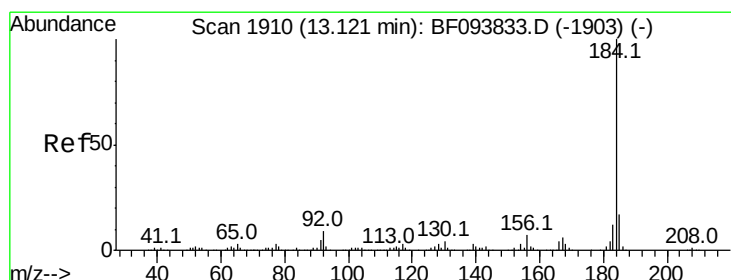
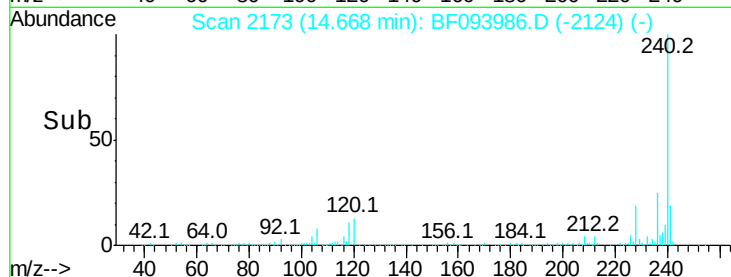
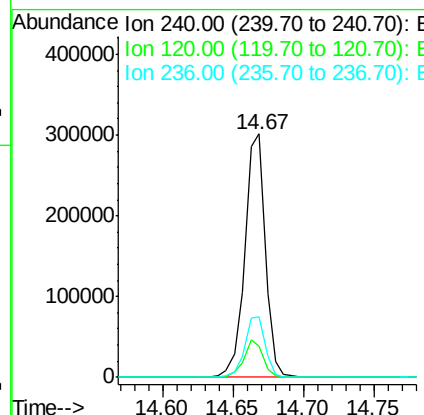
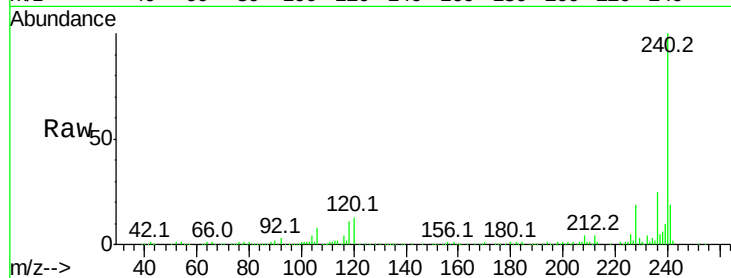
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampleId :
S-3MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	5.8	8.8#
236	24.8	20.5	30.7

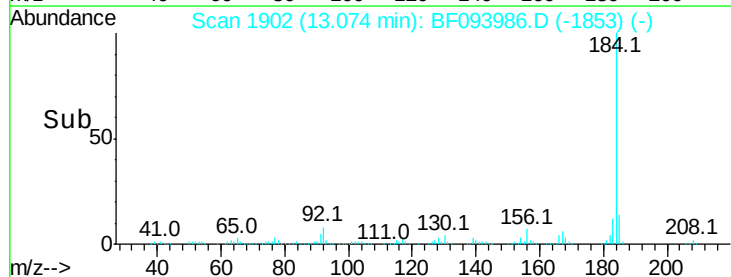
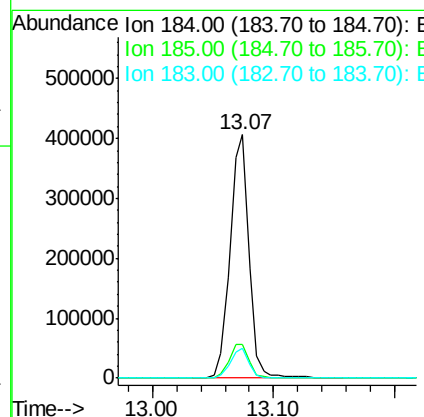
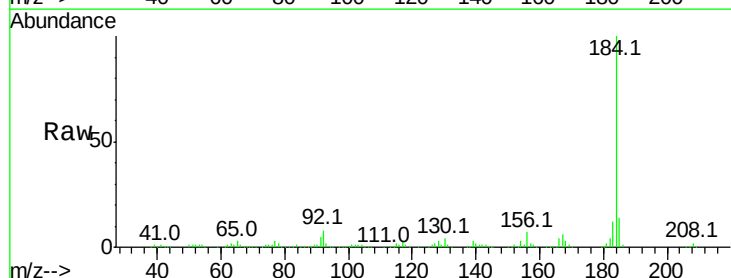
Manual Integrations
APPROVED

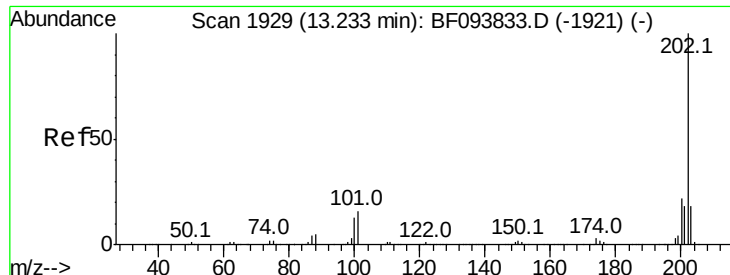
mohammad
3/28/2017 3:43:43 PM



#76
Benzidine
Concen: 36.38 ng
RT: 13.07 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.7	15.5	23.3#
183	12.3	9.8	14.6





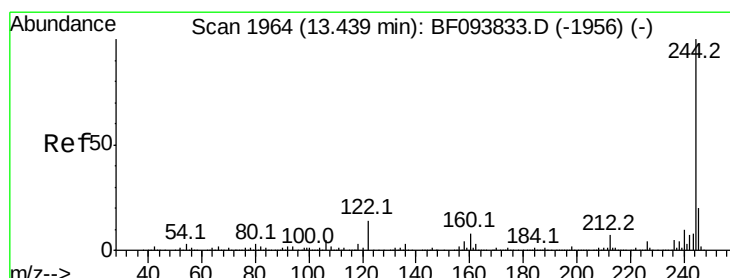
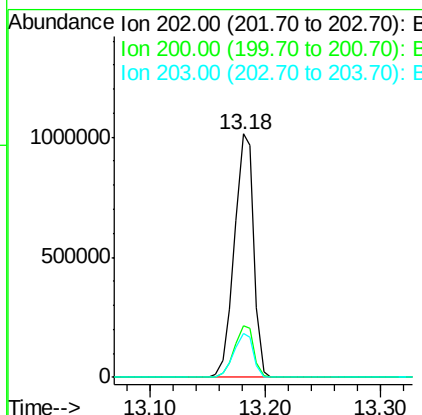
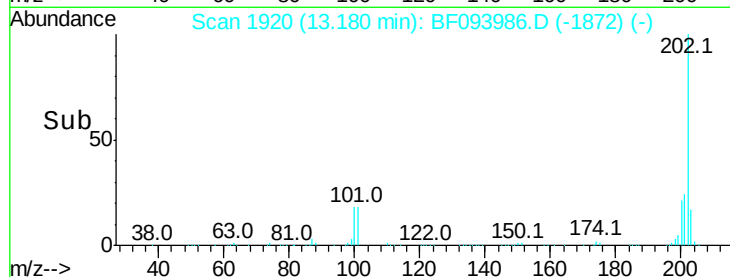
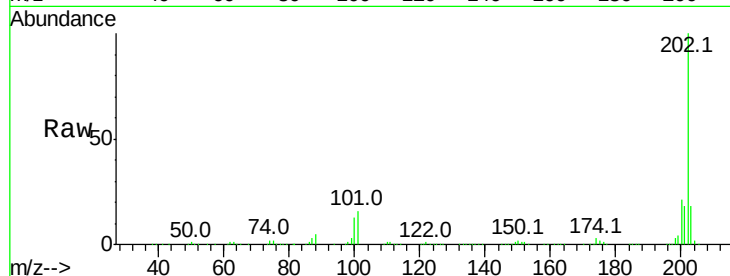
#77
 Pvrene
 Concen: 53.05 ng
 RT: 13.18 min Scan# 1920
 Delta R.T. -0.02 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.9	14.4	21.6

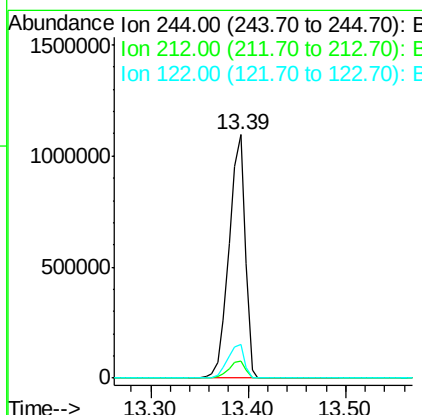
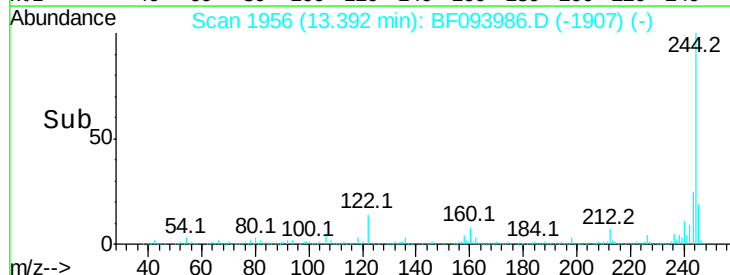
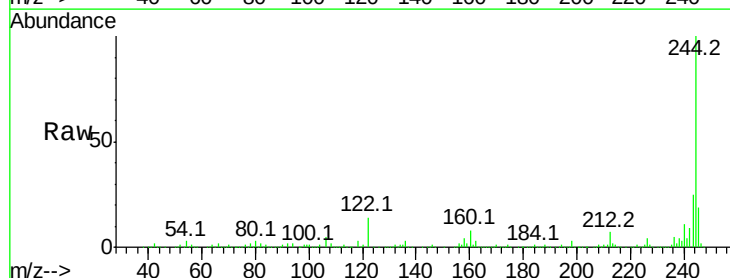
Manual Integrations
 APPROVED

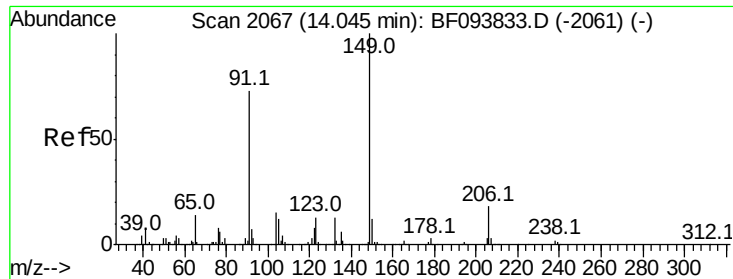
mohammad
 3/28/2017 3:43:43 PM



#78
 Terphenyl-d14
 Concen: 92.91 ng
 RT: 13.39 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.6	10.3	15.5





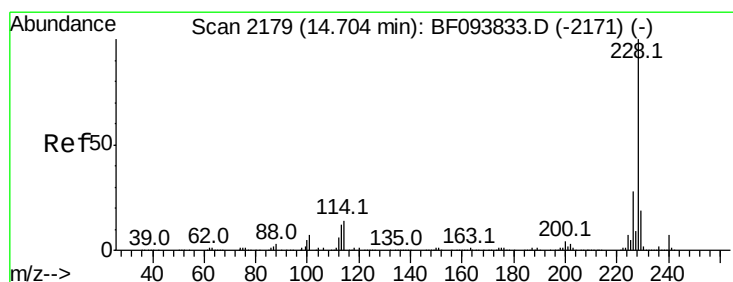
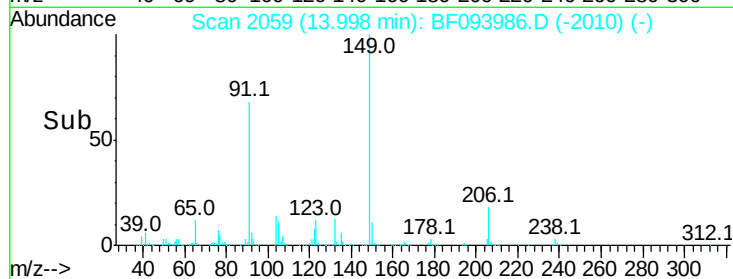
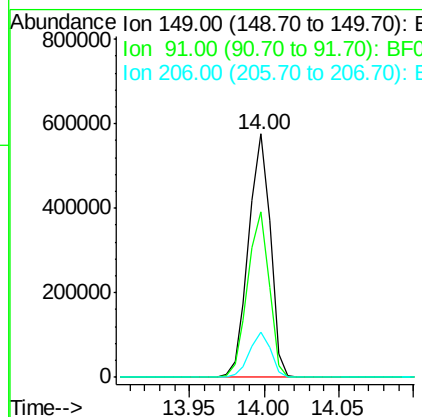
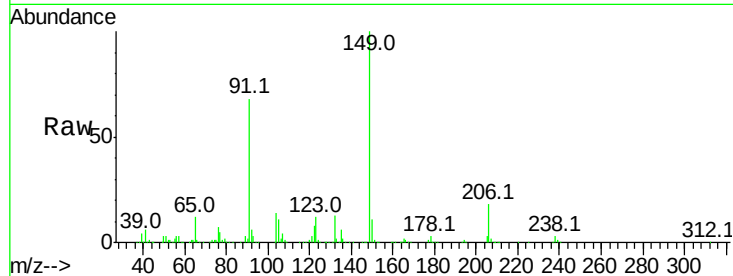
#79
Butylbenzylphthalate
Concen: 61.49 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampled :
S-3MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	580789		
91	68.0	45.0	67.4#	
206	18.4	17.0	25.6	

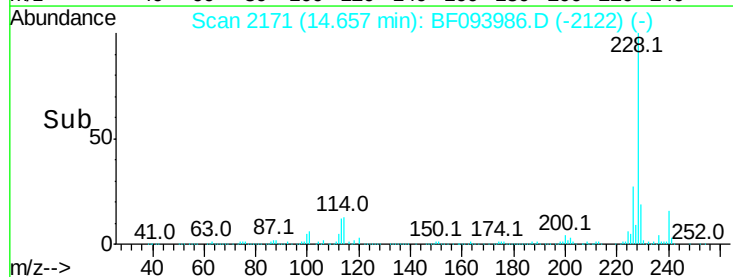
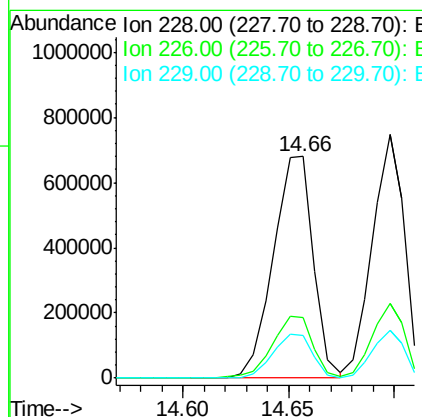
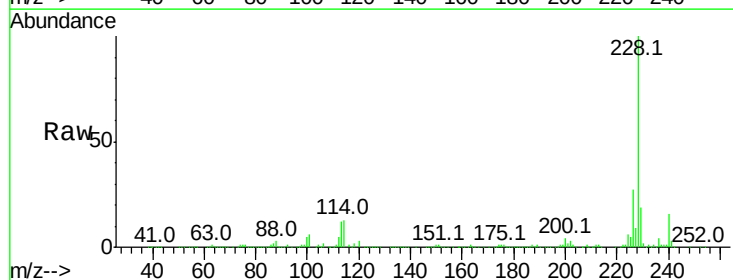
Manual Integrations
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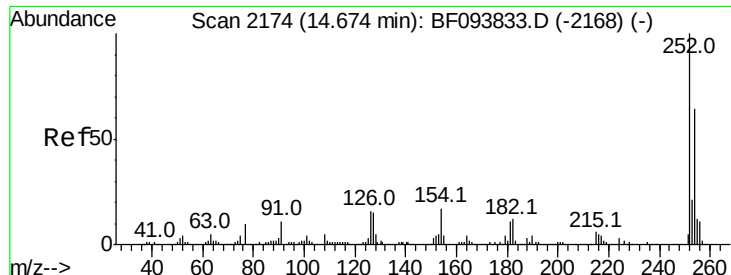
mohammad
3/28/2017 3:43:43 PM



#80
Benzo(a)anthracene
Concen: 50.51 ng
RT: 14.66 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	899643		
226	27.4	22.6	33.8	
229	19.4	16.3	24.5	





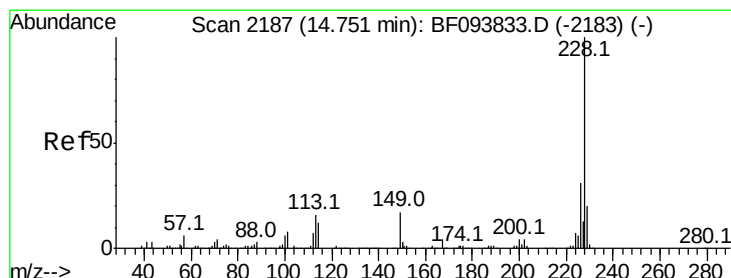
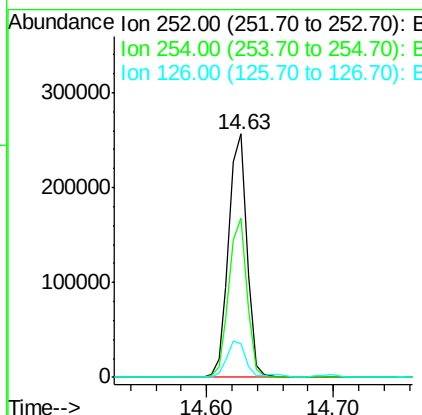
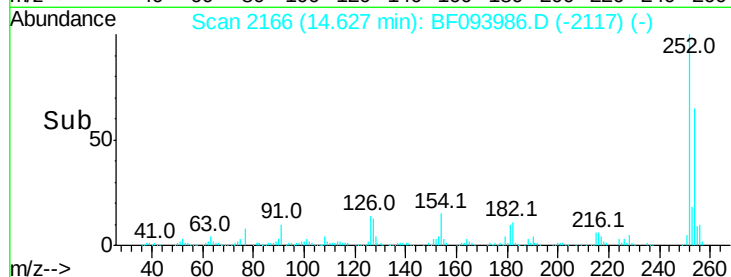
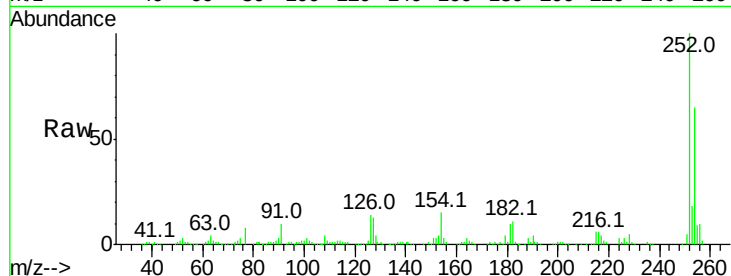
#81
 3,3'-Dichlorobenzidine
 Concen: 40.39 ng
 RT: 14.63 min Scan# 2166
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	65.3	51.5	77.3
126	14.1	15.8	23.8

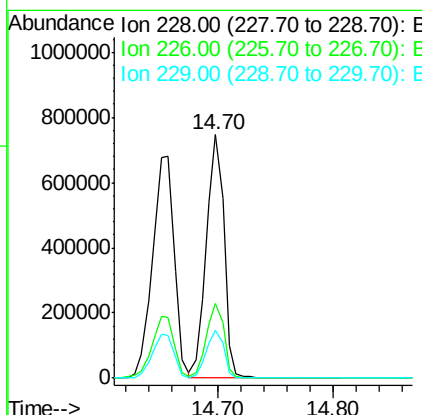
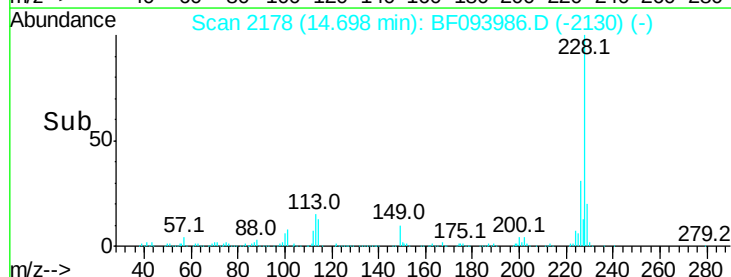
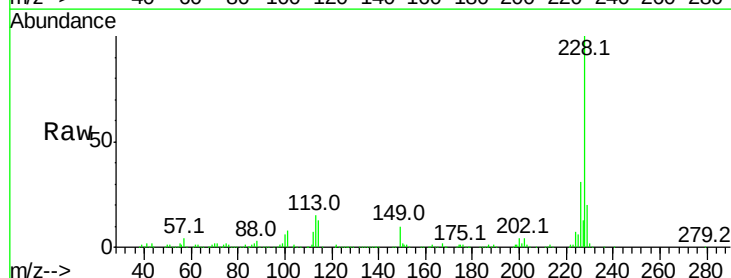
Manual Integrations
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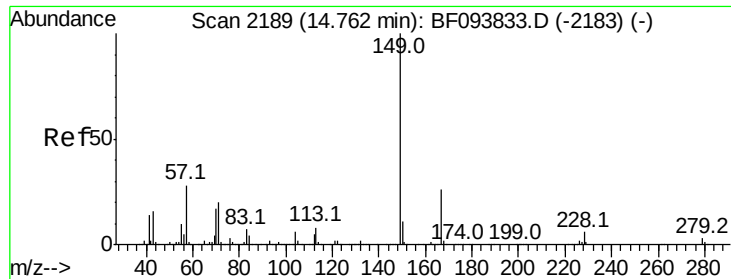
mohammad
 3/28/2017 3:43:43 PM



#82
 Chrysene
 Concen: 48.38 ng
 RT: 14.70 min Scan# 2178
 Delta R.T. -0.02 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.8	24.9	37.3
229	19.8	15.8	23.6





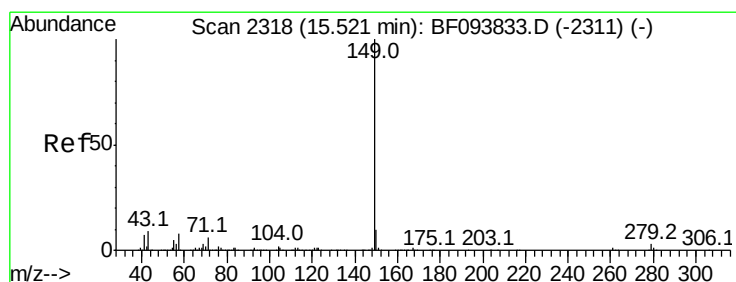
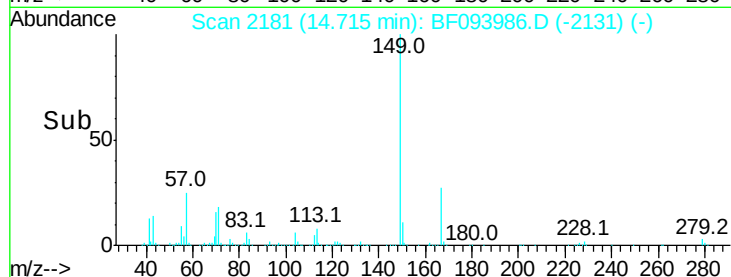
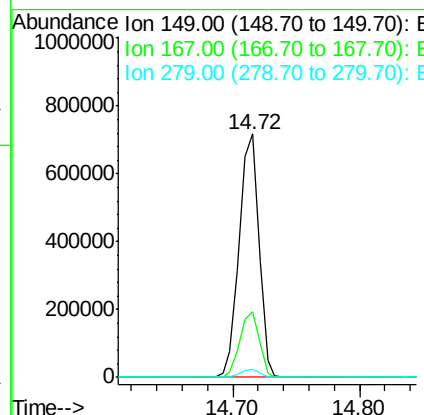
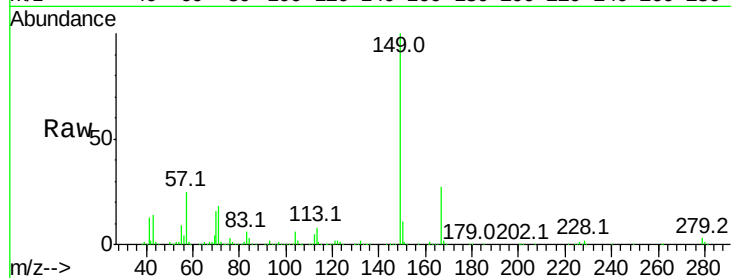
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 59.53 ng
 RT: 14.72 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	26.8	21.0	31.4
279	3.3	1.9	2.9

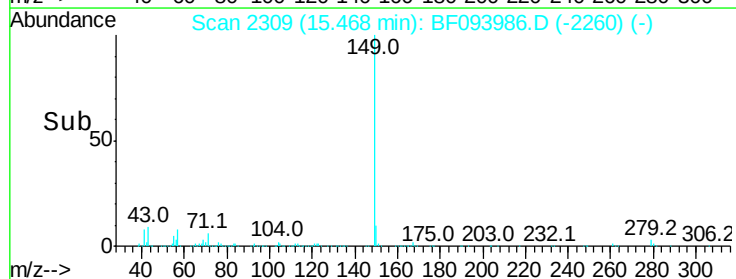
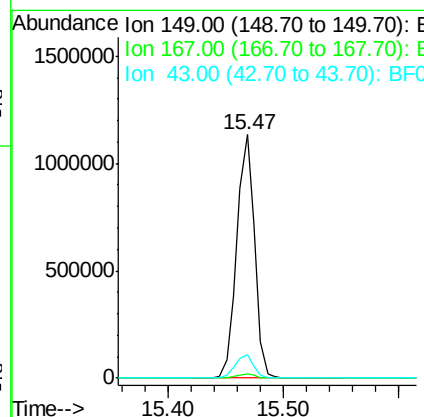
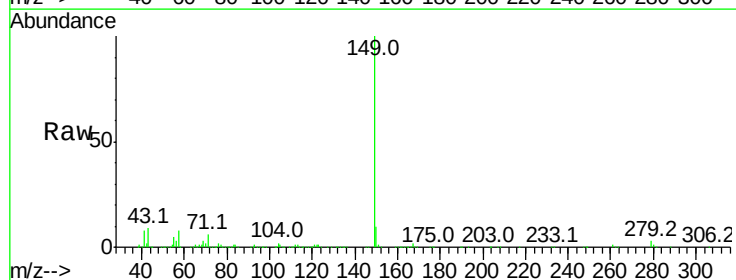
Manual Integrations
 APPROVED

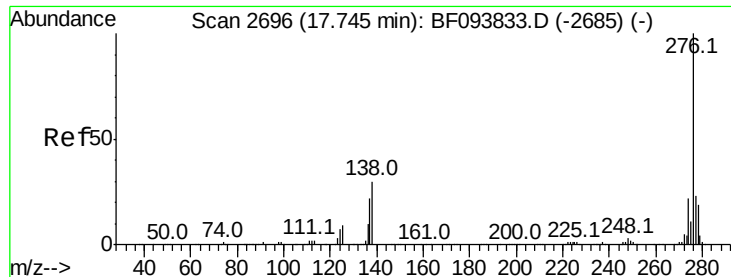
mohammad
 3/28/2017 3:43:43 PM



#84
 Di-n-octyl phthalate
 Concen: 56.18 ng
 RT: 15.47 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.5	1.2	1.8
43	9.6	8.5	12.7





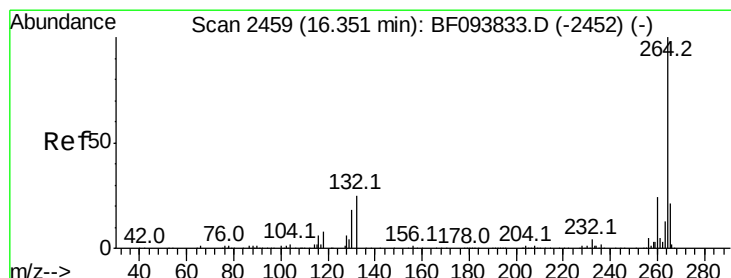
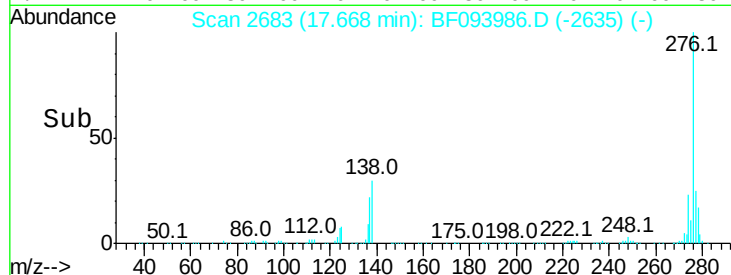
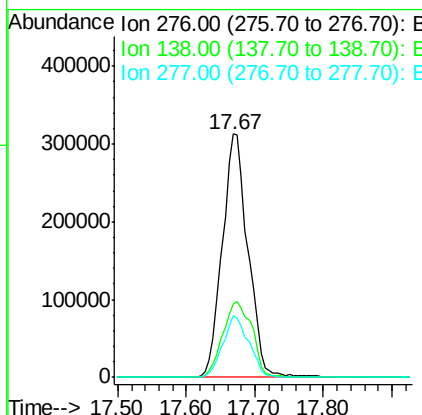
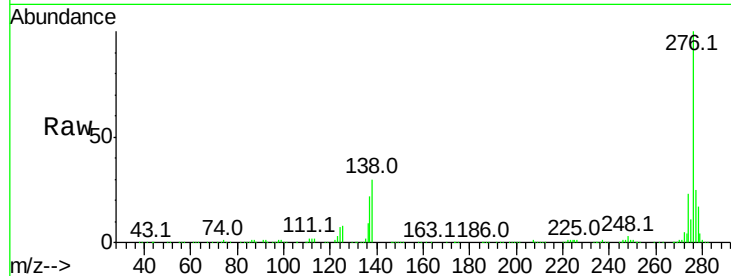
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 57.05 ng
 RT: 17.67 min Scan# 2683
 Delta R.T. -0.02 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.4	27.8	41.6
277	25.5	20.2	30.4

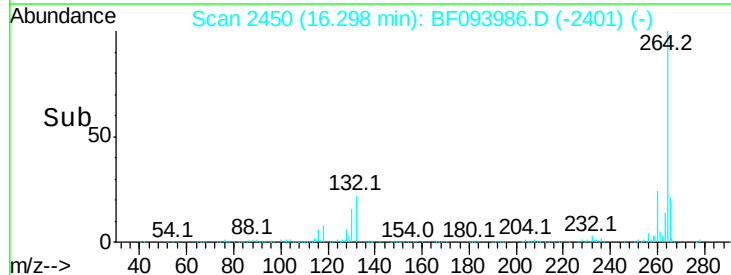
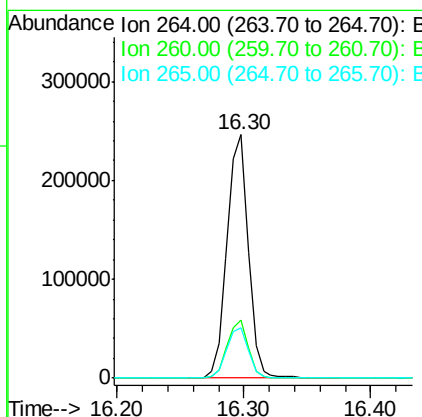
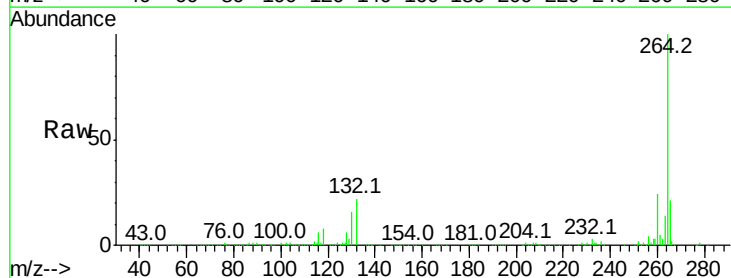
Manual Integrations
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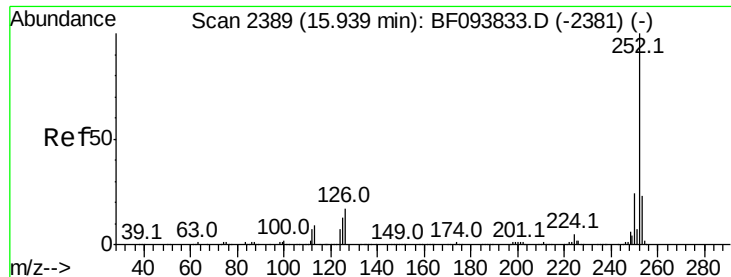
mohammad
 3/28/2017 3:43:43 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.30 min Scan# 2450
 Delta R.T. -0.01 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	20.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 51.10 ng

RT: 15.89 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Instrument :

BNA_F

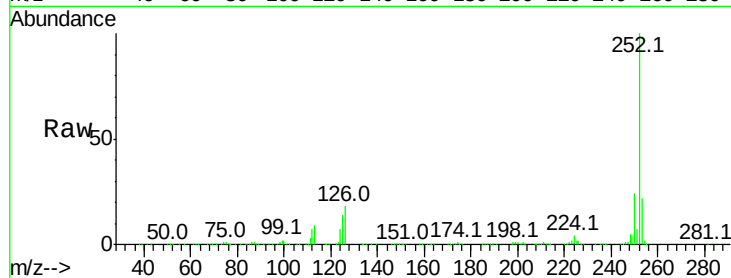
ClientSampled :

S-3MS

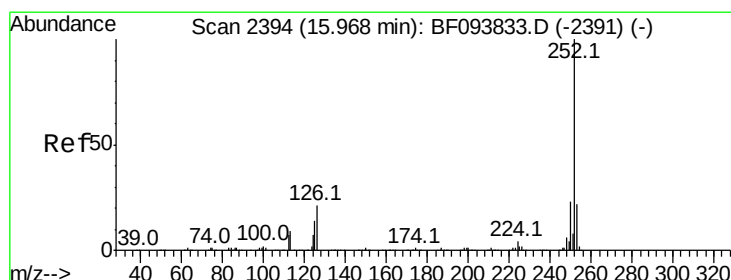
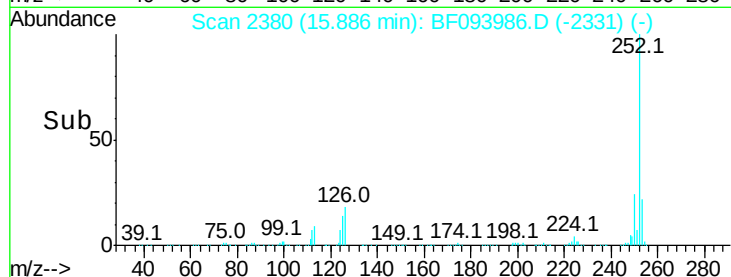
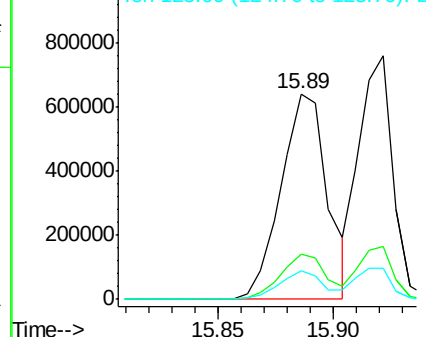
Tot Ion:252	Resp:	896613
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.1 27.1
125	13.9	9.8 14.8

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



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



#88

Benzo(k)fluoranthene

Concen: 45.46 ng m

RT: 15.92 min Scan# 2386

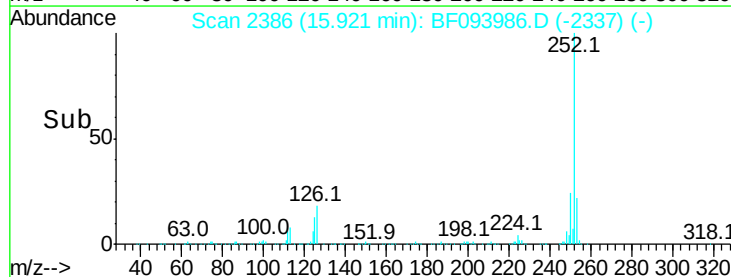
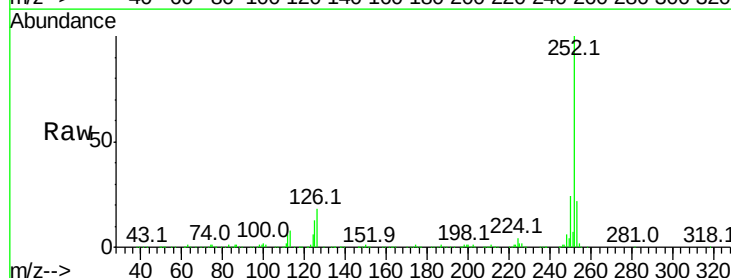
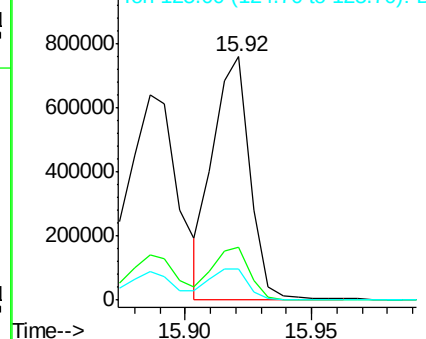
Delta R.T. -0.01 min

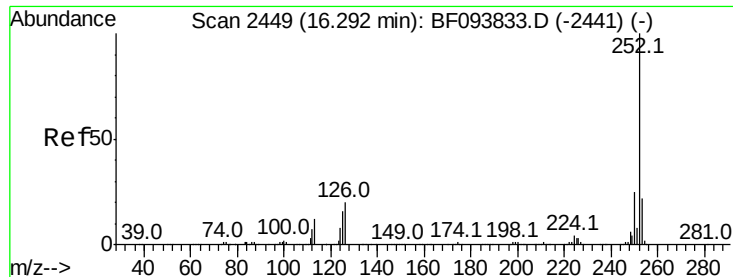
Lab File: BF093986.D

Acq: 28 Mar 2017 11:37

Tgt Ion:252	Resp:	780542
Ion Ratio	Lower	Upper
252	100	
253	21.8	18.4 27.6
125	12.7	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





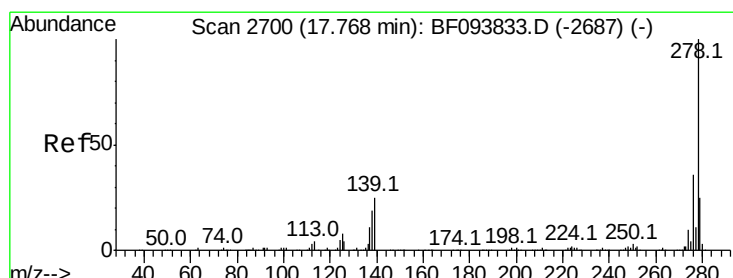
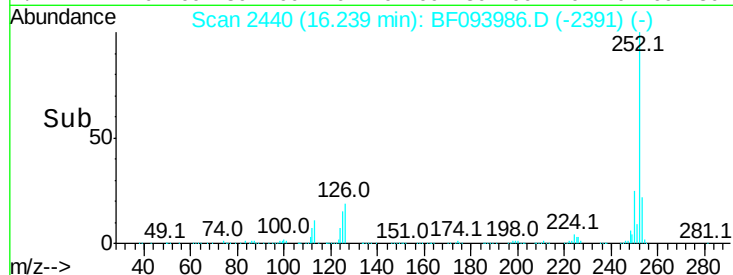
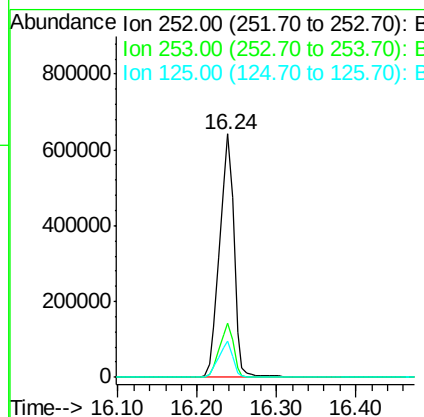
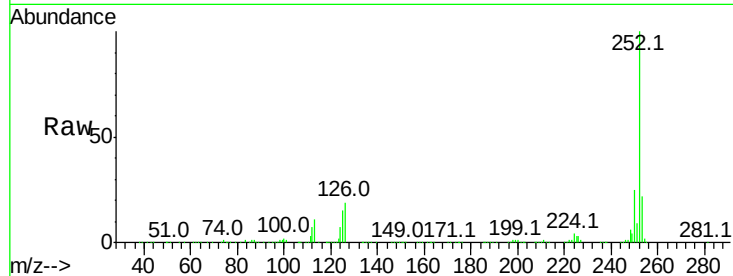
#89
Benzo(a)pyrene
Concen: 50.57 ng
RT: 16.24 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Instrument :
BNA_F
ClientSampleId :
S-3MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	14.9	11.0	16.4

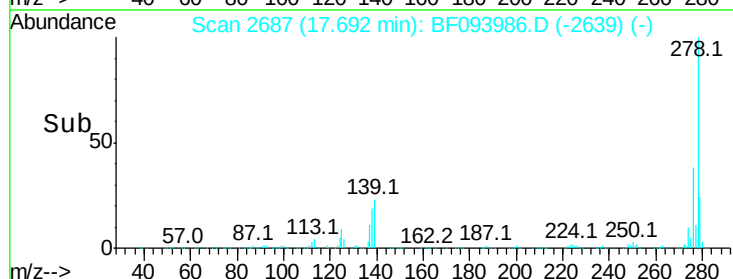
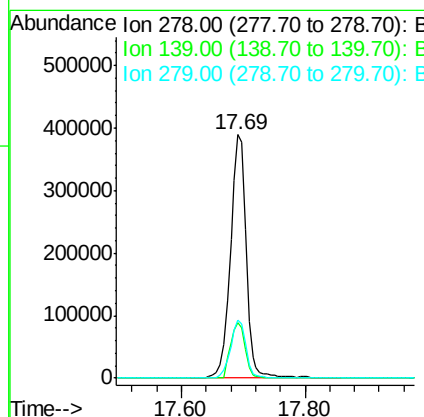
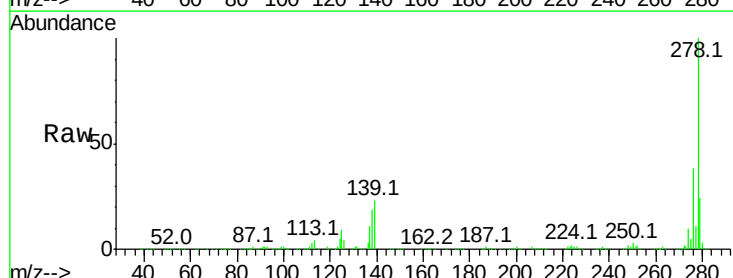
Manual Integrations
APPROVED

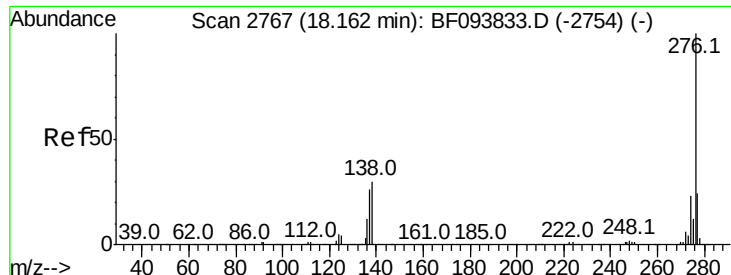
mohammad
3/28/2017 3:43:43 PM



#90
Dibenzo(a,h)anthracene
Concen: 50.70 ng
RT: 17.69 min Scan# 2687
Delta R.T. -0.02 min
Lab File: BF093986.D
Acq: 28 Mar 2017 11:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	16.6	24.8
279	23.9	19.3	28.9





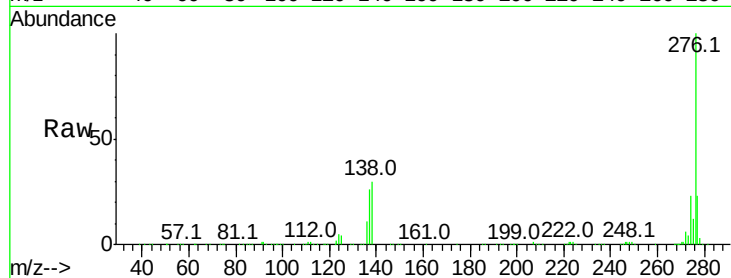
#91
 Benzo(a,h,i)perylene
 Concen: 47.56 ng
 RT: 18.08 min Scan# 2753
 Delta R.T. -0.02 min
 Lab File: BF093986.D
 Acq: 28 Mar 2017 11:37

Instrument :
 BNA_F
 ClientSampleId :
 S-3MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	30.4	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 3/28/2017 3:43:43 PM



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

