

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093987.D
 Acq On : 28 Mar 2017 12:04
 Operator : SJ/MA
 Sample : I2411-03MSD
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Manual Integrations
 APPROVED

mohammad
 3/28/2017 3:43:45 PM

Quant Time: Mar 28 13:49:38 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	173313	20.00	ng	-0.01
21) Naphthalene-d8	7.45	136	700827	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	304815	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	493196	20.00	ng	0.00
75) Chrysene-d12	14.66	240	312279	20.00	ng	-0.02
86) Perylene-d12	16.30	264	289570	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	1456240	141.92	ng	0.00
7) Phenol-d6	5.55	99	1895365	149.31	ng	0.00
23) Nitrobenzene-d5	6.59	82	1169984	95.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	353926	146.94	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	1853374	92.74	ng	0.00
78) Terphenyl-d14	13.39	244	1279537	91.84	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	2.36	88	202611	41.10 ng	97
3) Pyridine	2.84	79	568073	42.28 ng	99
4) n-Nitrosodimethylamine	2.80	42	268343	48.54 ng	94
6) Aniline	5.57	93	314936	17.84 ng	# 83
8) 2-Chlorophenol	5.70	128	564533	50.05 ng	98
9) Benzaldehyde	5.43	77	129921	15.16 ng	98
10) Phenol	5.56	94	688904	47.69 ng	100
11) bis(2-Chloroethyl)ether	5.65	93	530816	47.02 ng	95
12) 1,3-Dichlorobenzene	5.87	146	605170	47.83 ng	98
13) 1,4-Dichlorobenzene	5.96	146	610528	47.65 ng	96
14) 1,2-Dichlorobenzene	6.14	146	560209	47.47 ng	95
15) Benzyl Alcohol	6.11	79	469886	50.57 ng	98
16) 2,2'-oxybis(1-Chloropropan	6.27	45	755456	43.43 ng	98
17) 2-Methylphenol	6.25	107	483978	50.10 ng	100
18) Hexachloroethane	6.53	117	204751	45.46 ng	# 84
19) n-Nitroso-di-n-propylamine	6.43	70	386256	47.34 ng	97
20) 3+4-Methylphenols	6.43	107	580851	49.65 ng	# 67
22) Acetophenone	6.42	105	792903	50.76 ng	# 89
24) Nitrobenzene	6.62	77	585949	48.38 ng	96
25) Isophorone	6.90	82	1049819	48.65 ng	95
26) 2-Nitrophenol	6.99	139	320049	55.41 ng	99
27) 2,4-Dimethylphenol	7.06	122	510035	51.25 ng	98
28) bis(2-Chloroethoxy)methane	7.16	93	686137	48.22 ng	98
29) 2,4-Dichlorophenol	7.29	162	487280	52.37 ng	99
30) 1,2,4-Trichlorobenzene	7.38	180	469531	48.99 ng	99
31) Naphthalene	7.47	128	1588945	47.15 ng	100
32) Benzoic acid	7.14	122	27735	4.19 ng	96
33) 4-Chloroaniline	7.53	127	124660	9.13 ng	93
34) Hexachlorobutadiene	7.63	225	231868	47.18 ng	99
35) Caprolactam	7.99	113	146489m	49.37 ng	
36) 4-Chloro-3-methylphenol	8.16	107	507734	52.22 ng	88
37) 2-Methylnaphthalene	8.32	142	1073272	47.78 ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.52	216	398894	47.84 ng	100
40) Hexachlorocyclopentadiene	8.52	237	242870	62.24 ng	99

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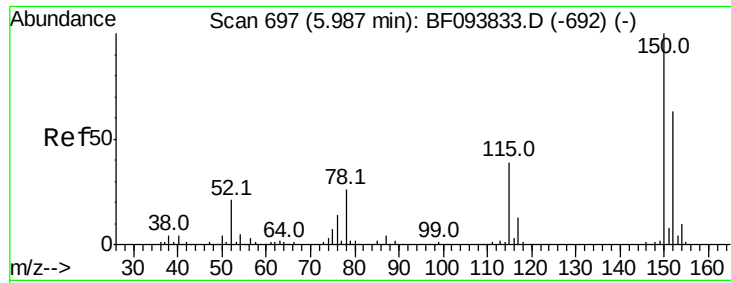
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.67	196	319066	54.08	nq	97
43) 2,4,5-Trichlorophenol	8.72	196	316080	49.51	nq	95
45) 1,1'-Biphenyl	8.89	154	1161522	47.24	nq	98
46) 2-Chloronaphthalene	8.91	162	937085	48.69	nq	95
47) 2-Nitroaniline	9.04	65	286108	50.11	nq	# 82
48) Acenaphthylene	9.42	152	1438493	44.97	nq	99
49) Dimethylphthalate	9.28	163	1213344	56.00	nq	100
50) 2,6-Dinitrotoluene	9.35	165	253793	51.10	nq	92
51) Acenaphthene	9.63	154	852185	45.66	nq	100
52) 3-Nitroaniline	9.54	138	143461	24.60	nq	93
53) 2,4-Dinitrophenol	9.67	184	80807	33.29	nq	# 66
54) Dibenzofuran	9.85	168	1227689	48.32	nq	100
55) 4-Nitrophenol	9.78	139	406894	89.08	nq	# 69
56) 2,4-Dinitrotoluene	9.84	165	302626	48.50	nq	# 73
57) Fluorene	10.27	166	900887	42.76	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.00	232	226813	51.78	nq	98
59) Diethylphthalate	10.15	149	1046950	48.89	nq	99
60) 4-Chlorophenyl-phenylether	10.27	204	393994	43.90	nq	90
61) 4-Nitroaniline	10.30	138	240383	42.95	nq	97
62) Azobenzene	10.47	77	994463	49.09	nq	95
64) 4,6-Dinitro-2-methylphenol	10.34	198	89480	29.62	nq	# 74
65) n-Nitrosodiphenylamine	10.42	169	875628	51.34	nq	98
66) 4-Bromophenyl-phenylether	10.87	248	245708	50.65	nq	94
67) Hexachlorobenzene	10.95	284	241068	49.09	nq	# 88
68) Atrazine	11.09	200	257487	50.40	nq	96
69) Pentachlorophenol	11.19	266	251985	82.45	nq	99
70) Phenanthrene	11.44	178	1267167	46.19	nq	99
71) Anthracene	11.51	178	1314462	46.53	nq	99
72) Carbazole	11.71	167	1237743	42.73	nq	98
73) Di-n-butylphthalate	12.16	149	1526635	50.68	nq	99
74) Fluoranthene	12.90	202	1159928	41.29	nq	99
76) Benzidine	13.07	184	443138	35.85	nq	# 92
77) Pyrene	13.18	202	1127624	49.76	nq	100
79) Butylbenzylphthalate	14.00	149	558680	57.86	nq	# 84
80) Benzo(a)anthracene	14.65	228	864367	47.47	nq	99
81) 3,3'-Dichlorobenzidine	14.63	252	251720	38.67	nq	# 96
82) Chrysene	14.70	228	768149	45.46	nq	99
83) Bis(2-ethylhexyl)phthalate	14.72	149	757578	57.50	nq	# 99
84) Di-n-octyl phthalate	15.47	149	1190782	54.11	nq	98
85) Indeno(1,2,3-cd)pyrene	17.67	276	766041	52.34	nq	99
87) Benzo(b)fluoranthene	15.89	252	860263	48.47	nq	97
88) Benzo(k)fluoranthene	15.92	252	724032	41.69	nq	97
89) Benzo(a)pyrene	16.24	252	776124	47.48	nq	99
90) Dibenzo(a,h)anthracene	17.69	278	650048	46.96	nq	97
91) Benzo(g,h,i)perylene	18.07	276	609975	43.72	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093987.D

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Instrument :

BNA_F

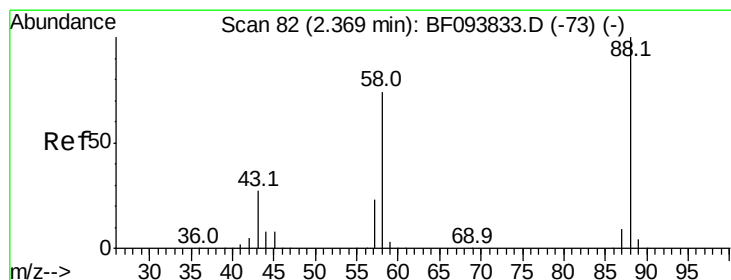
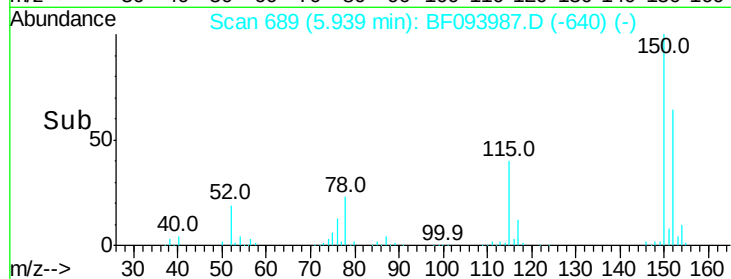
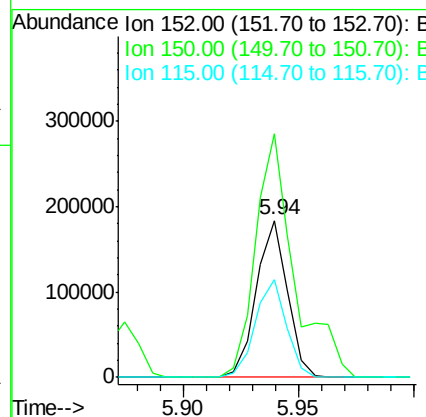
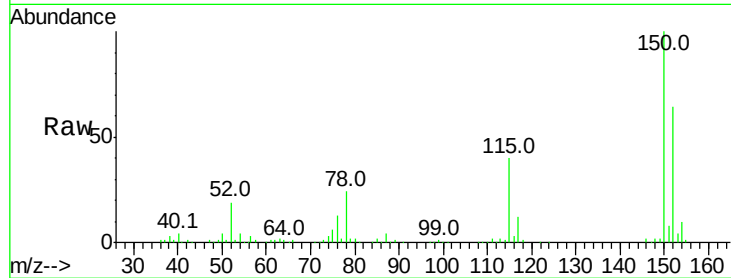
ClientSampleId :

S-3MSD

Tot Ion:	152	Resp:	173313
Ion Ratio	Lower	Upper	
152	100		
150	155.2	126.2	189.2
115	61.9	52.2	78.2

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#2

1,4-Dioxane

Concen: 41.10 ng

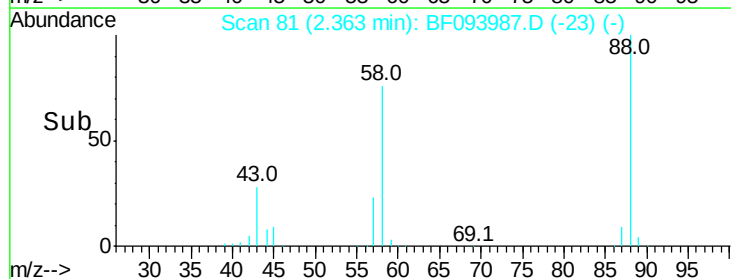
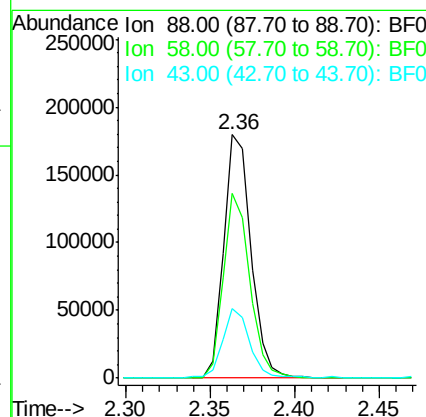
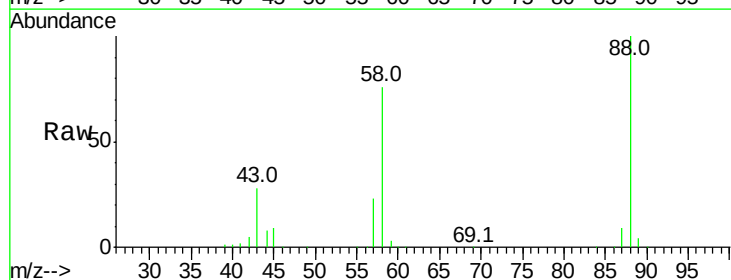
RT: 2.36 min Scan# 81

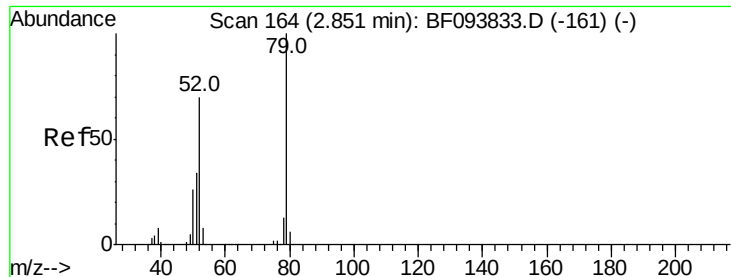
Delta R.T. 0.04 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	88	Resp:	202611
Ion Ratio	Lower	Upper	
88	100		
58	73.9	61.4	92.0
43	27.9	23.4	35.0





#3

Pvridine

Concen: 42.28 ng

RT: 2.84 min Scan# 162

Delta R.T. 0.03 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

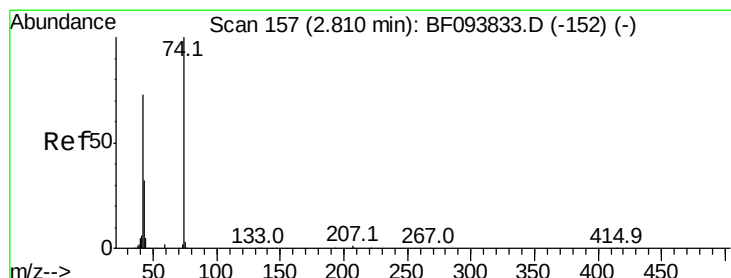
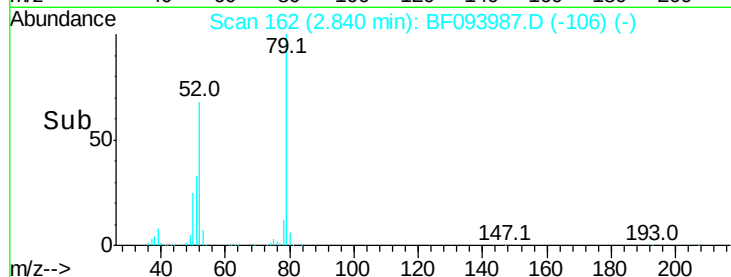
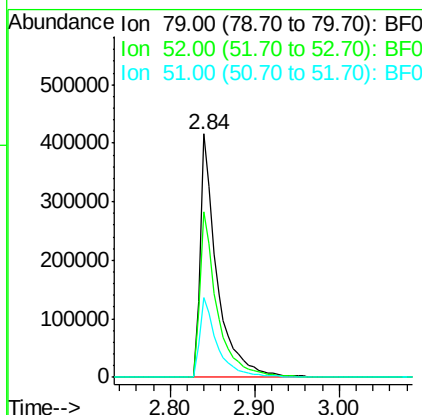
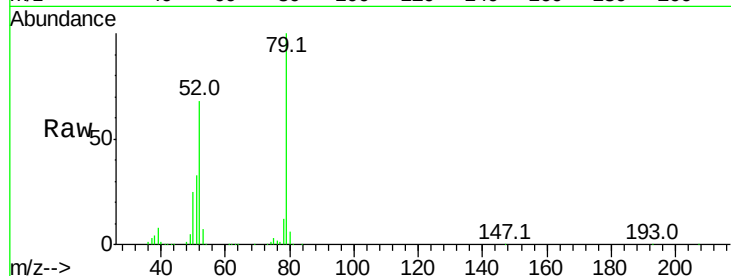
ClientSampled :

S-3MSD

Tot Ion:	79	Resp:	568073
Ion Ratio	Lower	Upper	
79	100		
52	68.2	54.8	82.2
51	33.0	27.0	40.4

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 48.54 ng

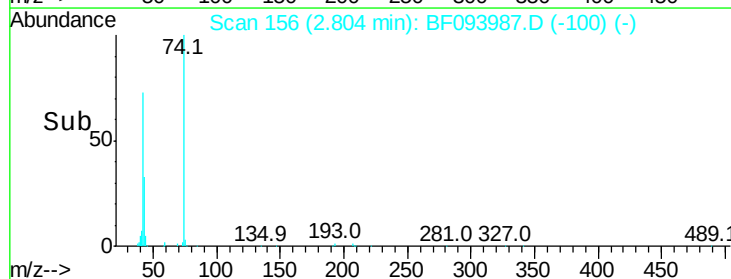
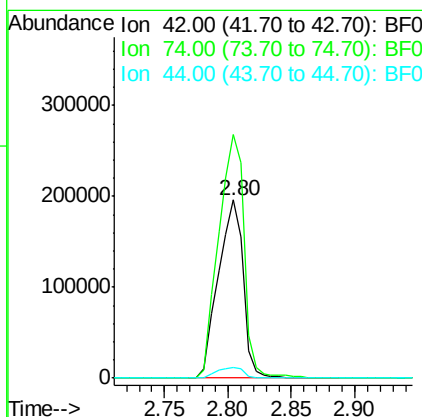
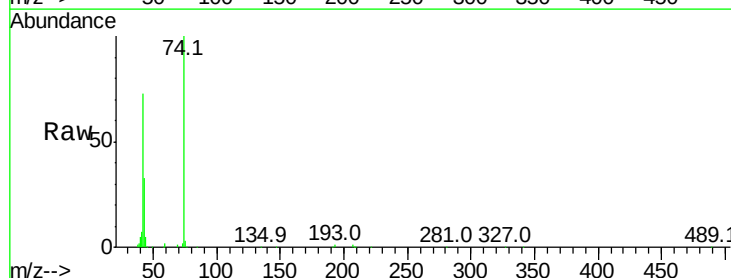
RT: 2.80 min Scan# 156

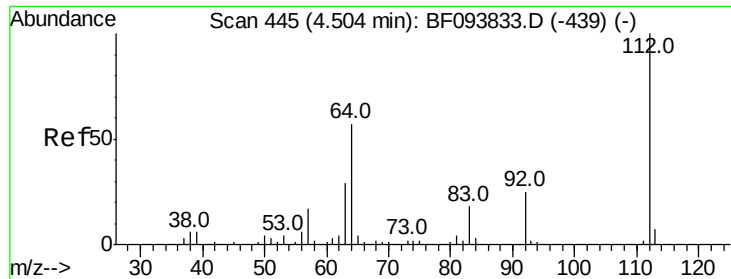
Delta R.T. 0.03 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	42	Resp:	268343
Ion Ratio	Lower	Upper	
42	100		
74	136.9	103.9	155.9
44	6.3	5.7	8.5





#5

2-Fluorophenol

Concen: 141.92 ng

RT: 4.48 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

ClientSampleId :

S-3MSD

Tot Ion:112 Resp: 1456240

Ion Ratio Lower Upper

112 100

64 58.6 46.0 69.0

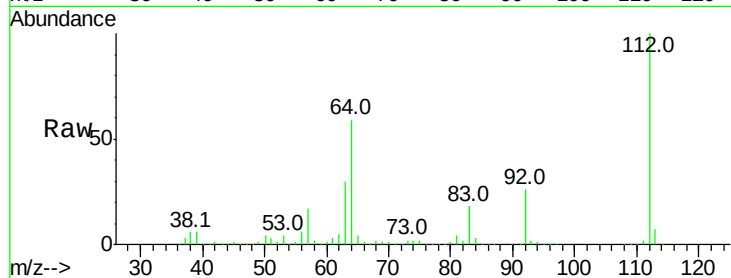
63 29.5 23.4 35.0

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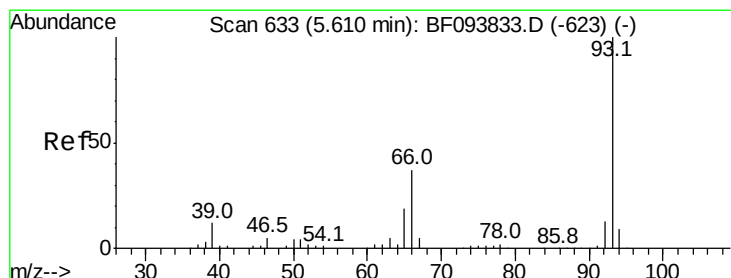
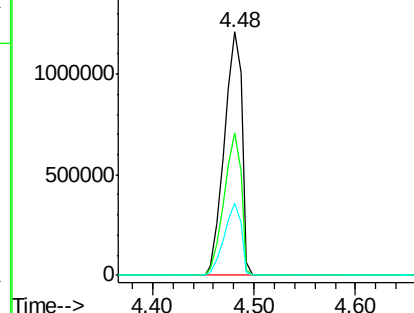
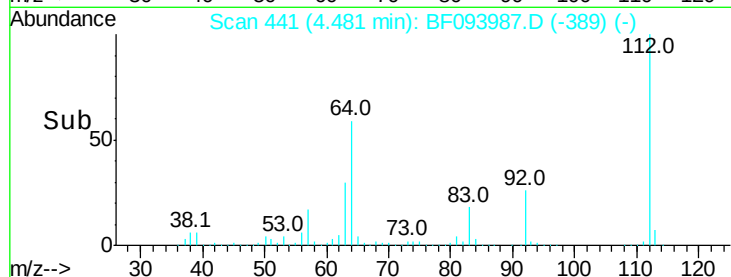
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.84 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

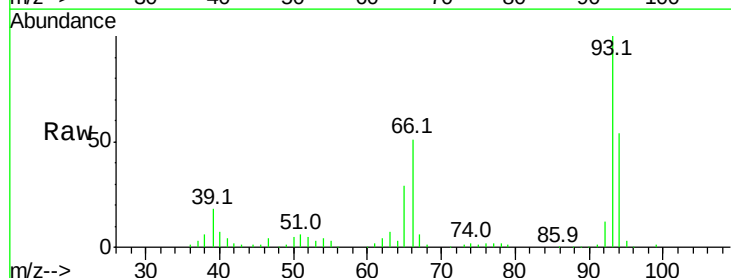
Tgt Ion: 93 Resp: 314936

Ion Ratio Lower Upper

93 100

66 50.9 32.9 49.3#

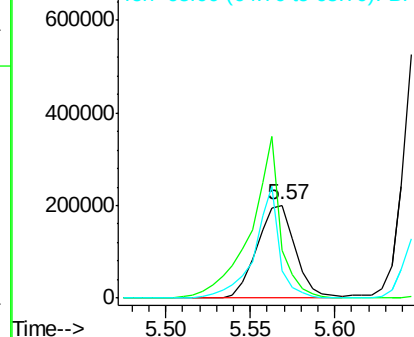
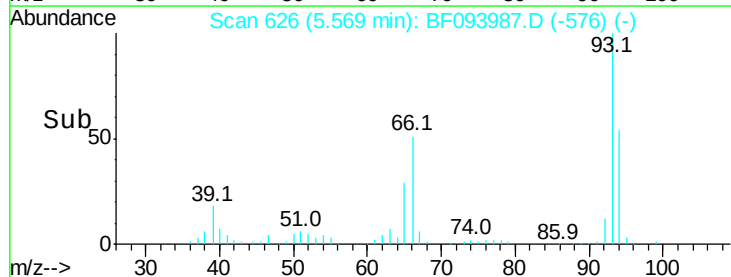
65 29.1 16.0 24.0#

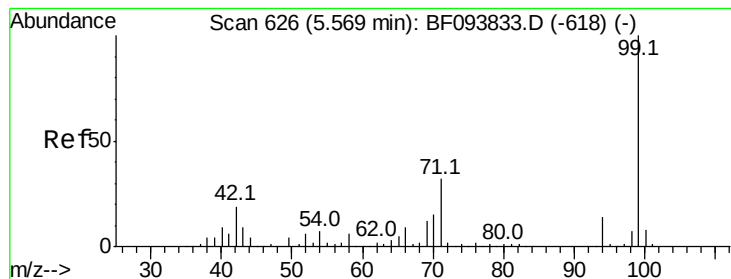


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 149.31 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.00 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

ClientSampled :

S-3MSD

Tot Ion: 99 Resp: 1895365

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

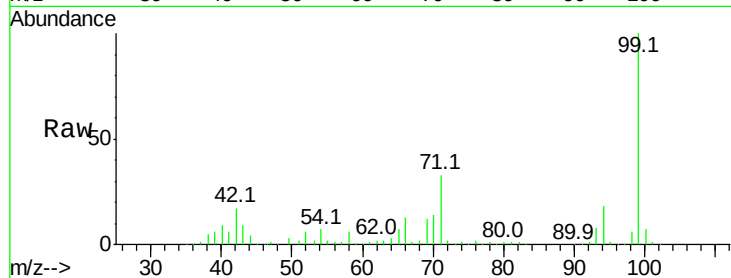
71 33.0 24.5 36.7

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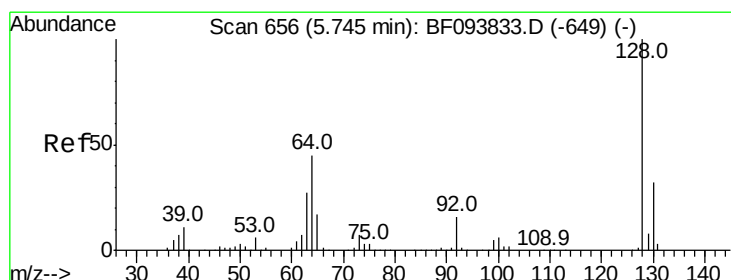
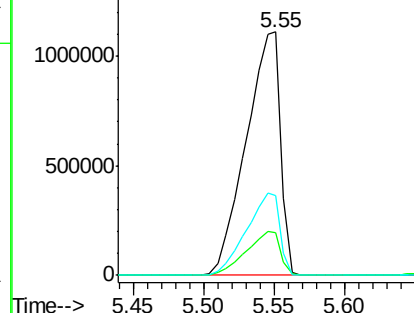
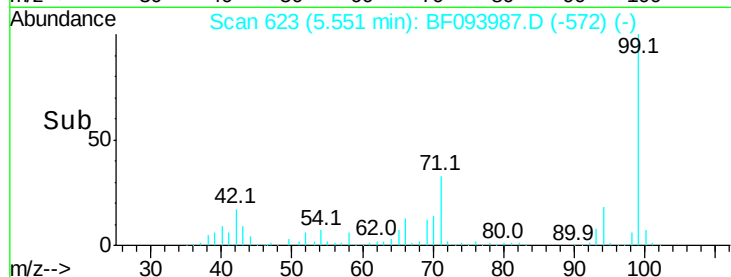
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 50.05 ng

RT: 5.70 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

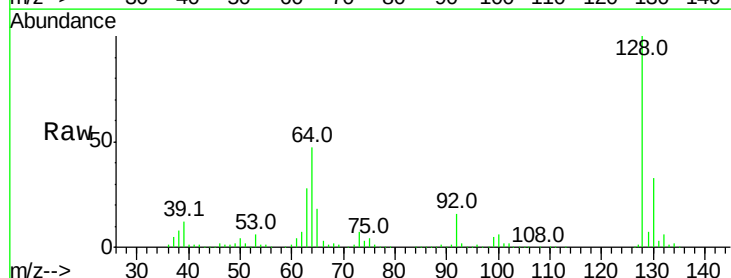
Tgt Ion:128 Resp: 564533

Ion Ratio Lower Upper

128 100

130 32.6 12.9 52.9

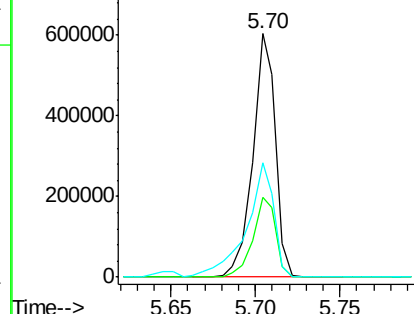
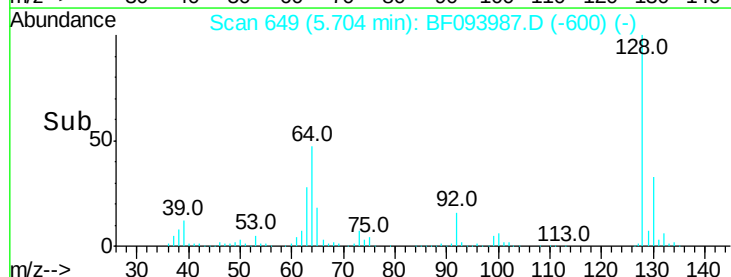
64 46.8 28.4 68.4

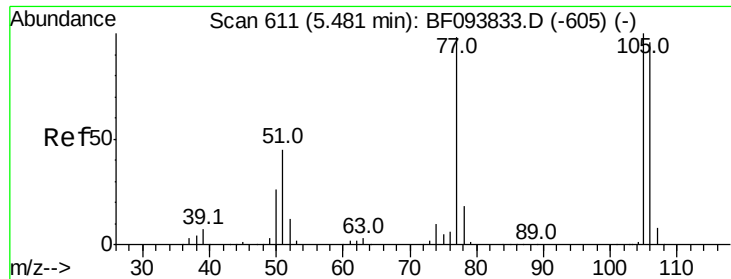


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 15.16 ng

RT: 5.43 min Scan# 602

Delta R.T. -0.02 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

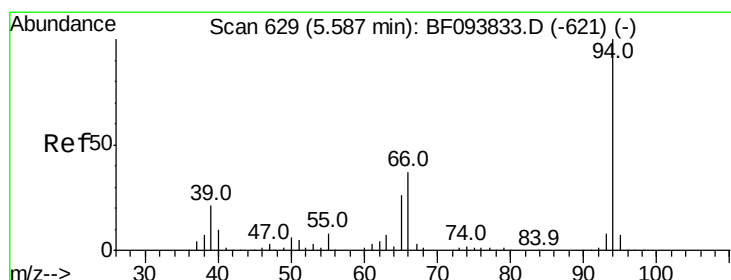
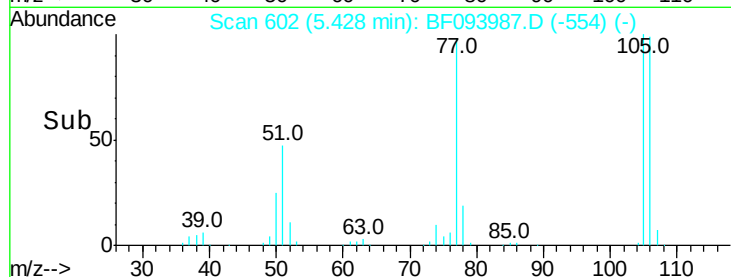
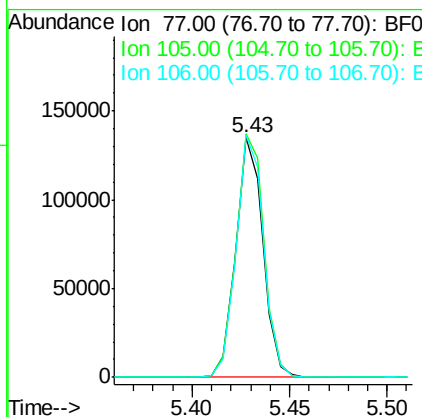
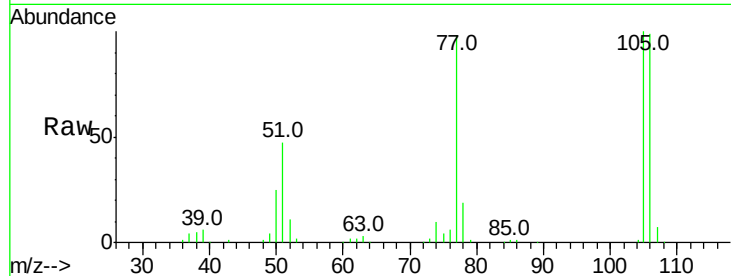
ClientSampleId :

S-3MSD

Tot Ion:	77	Resp:	129921
Ion	Ratio	Lower	Upper
77	100		
105	101.6	83.8	123.8
106	100.9	79.1	119.1

Manual Integrations
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#10

Phenol

Concen: 47.69 ng

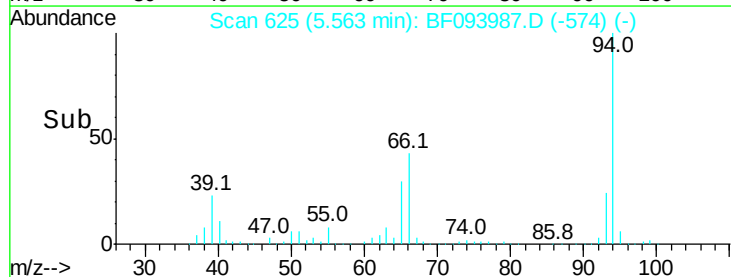
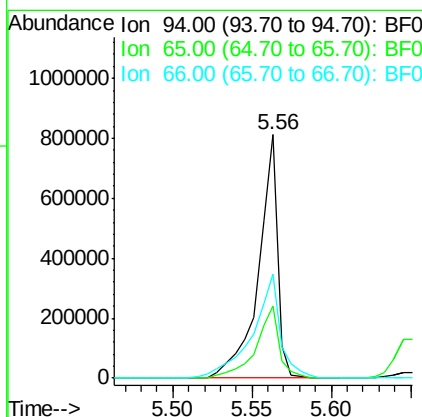
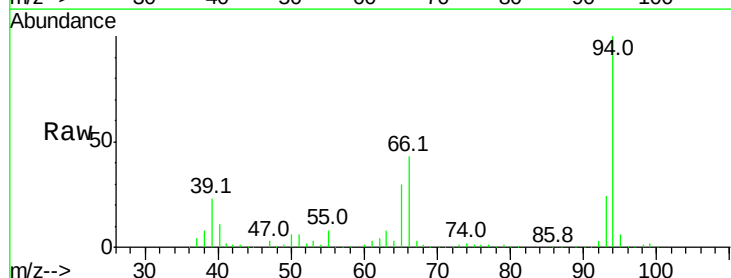
RT: 5.56 min Scan# 625

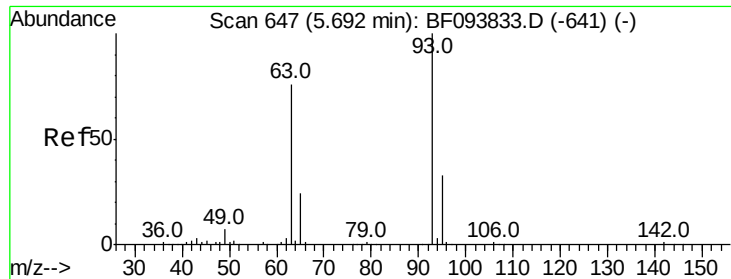
Delta R.T. -0.00 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	94	Resp:	688904
Ion	Ratio	Lower	Upper
94	100		
65	29.7	9.9	49.9
66	43.0	23.1	63.1





#11

bis(2-Chloroethyl)ether

Concen: 47.02 ng

RT: 5.65 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

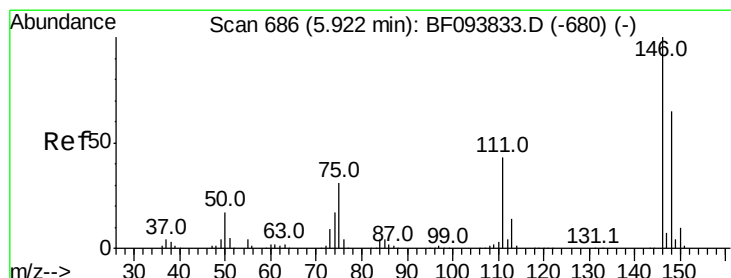
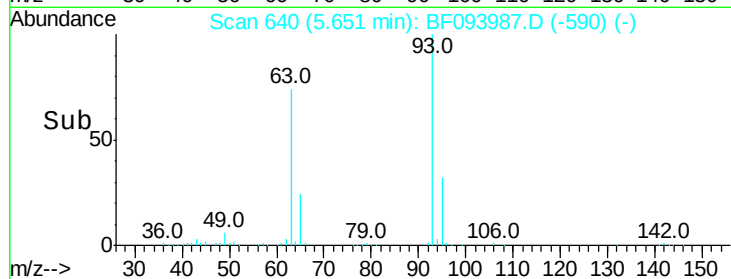
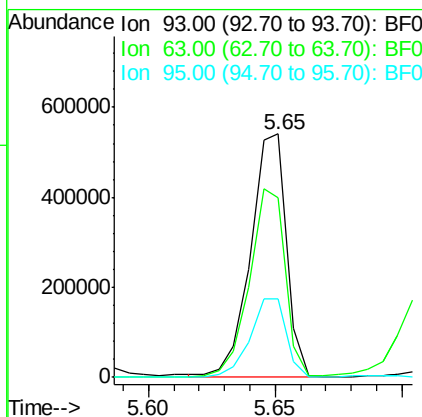
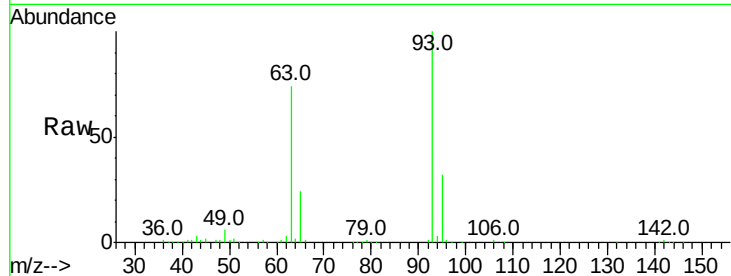
ClientSampleId :

S-3MSD

Tot Ion:	93	Resp:	530816
Ion Ratio	Lower	Upper	
93	100		
63	73.6	59.2	99.2
95	32.5	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 47.83 ng

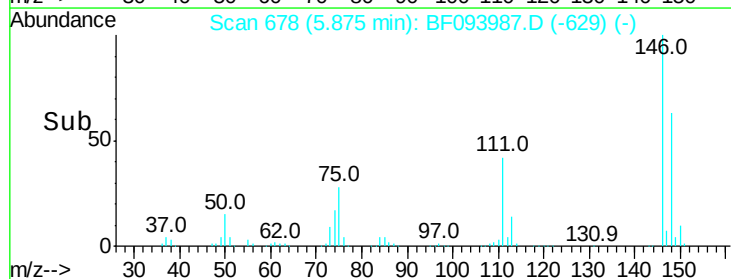
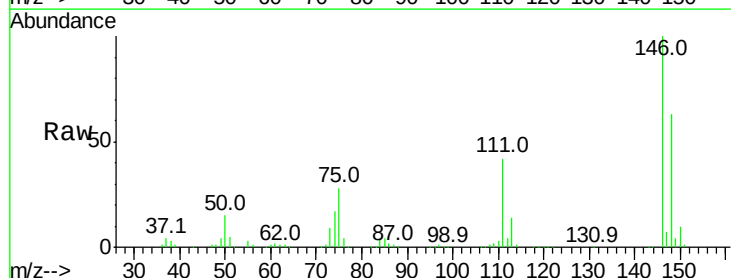
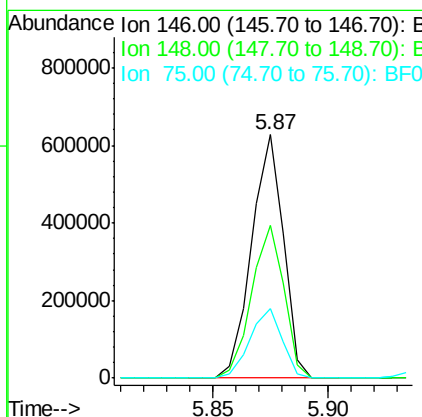
RT: 5.87 min Scan# 678

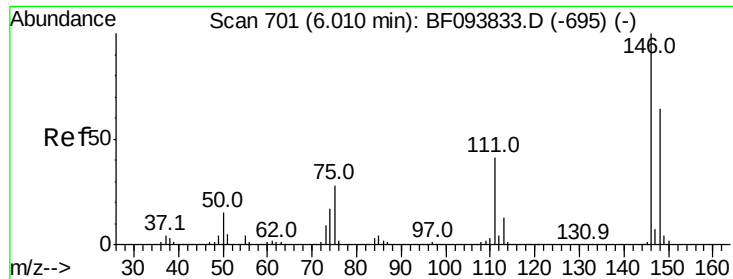
Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	146	Resp:	605170
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.8	77.6
75	28.5	23.1	34.7





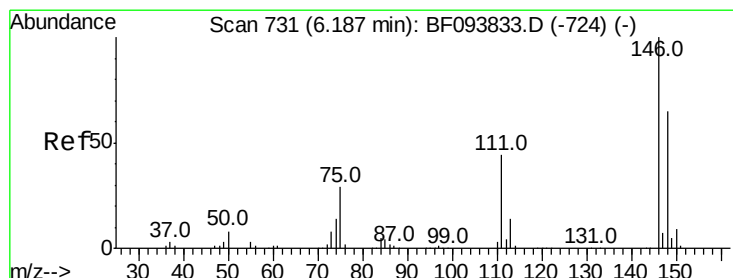
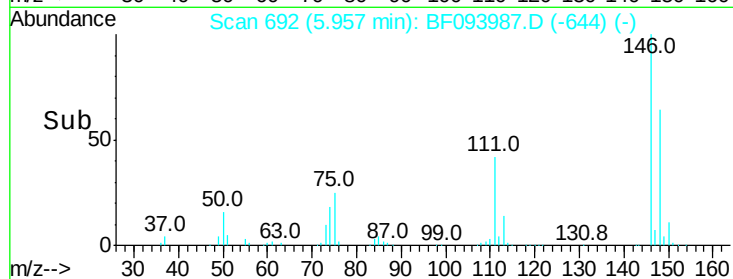
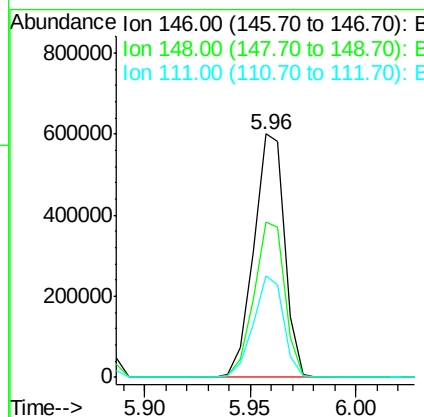
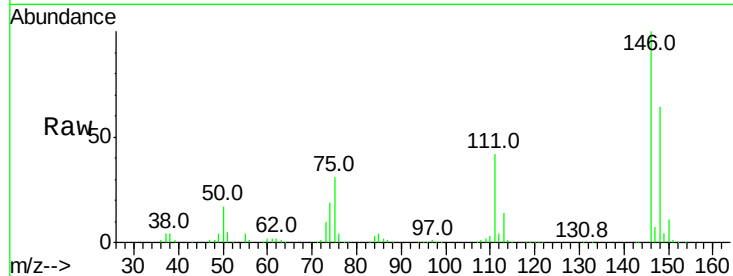
#13
 1,4-Dichlorobenzene
 Concen: 47.65 ng
 RT: 5.96 min Scan# 692
 Delta R.T. -0.02 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.2	78.2
111	41.8	30.3	45.5

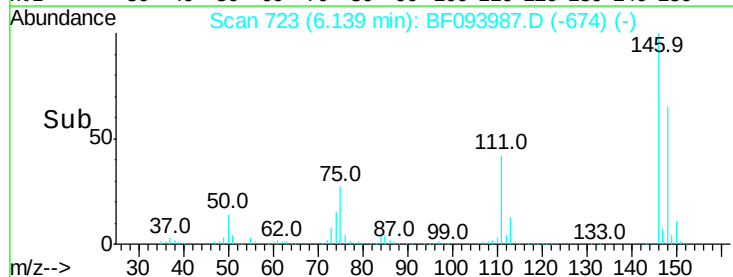
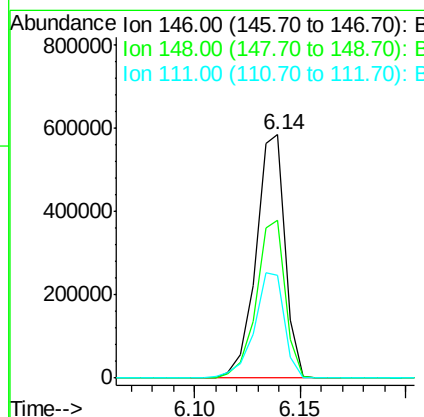
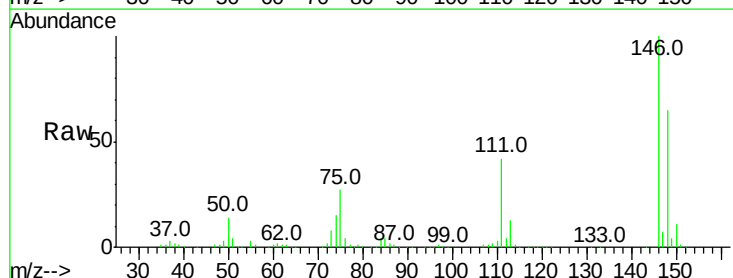
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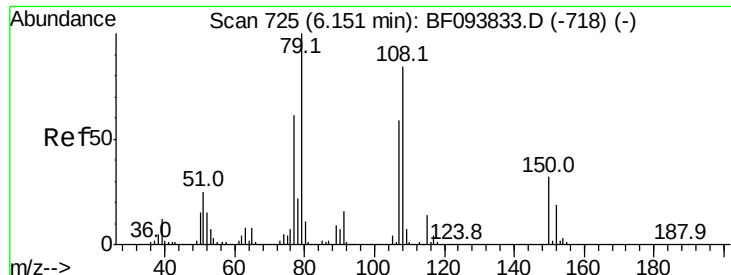
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#14
 1,2-Dichlorobenzene
 Concen: 47.47 ng
 RT: 6.14 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.4	75.6
111	42.2	38.2	57.4





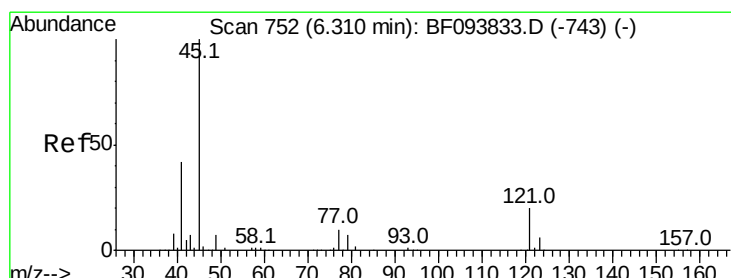
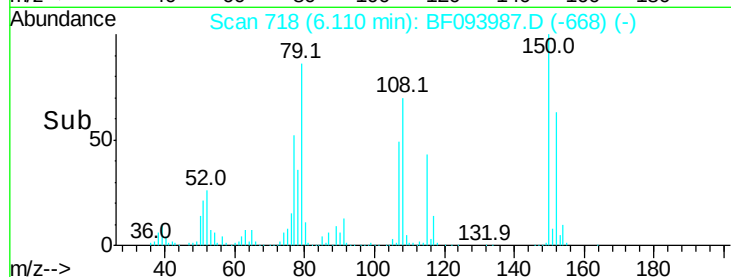
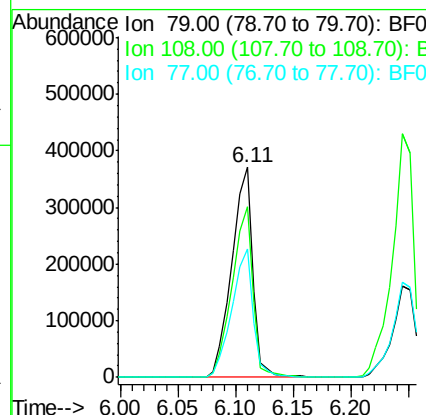
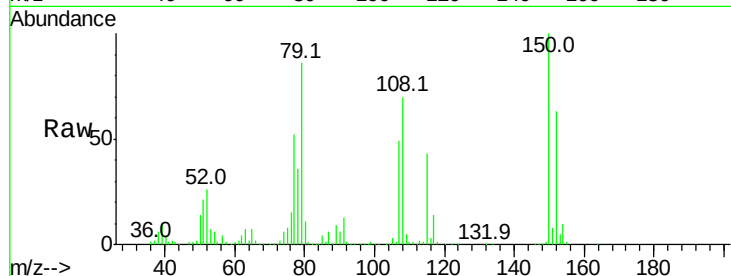
#15
Benzyl Alcohol
Concen: 50.57 ng
RT: 6.11 min Scan# 718
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampled :
S-3MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	81.3	63.4	95.0
77	61.2	49.2	73.8

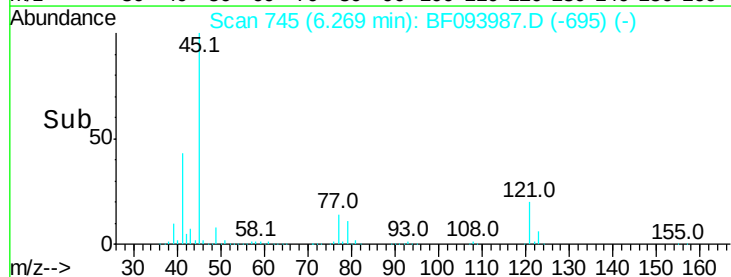
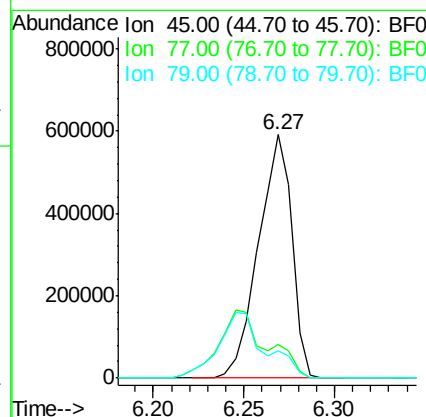
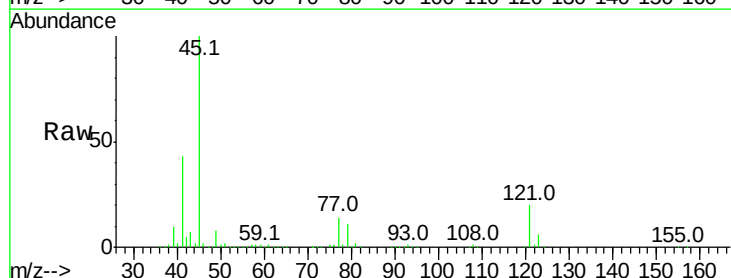
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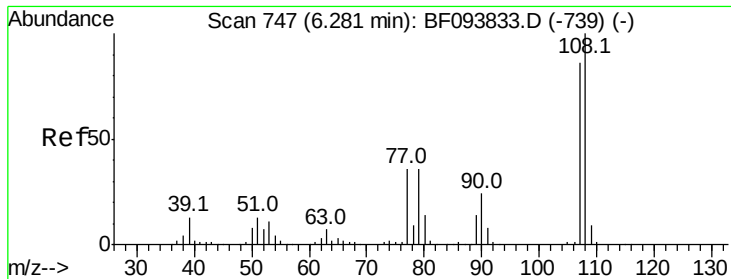
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#16
2,2'-oxybis(1-chloropropane)
Concen: 43.43 ng
RT: 6.27 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	33.2
79	11.4	0.0	30.0





#17

2-Methylphenol

Concen: 50.10 ng

RT: 6.25 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

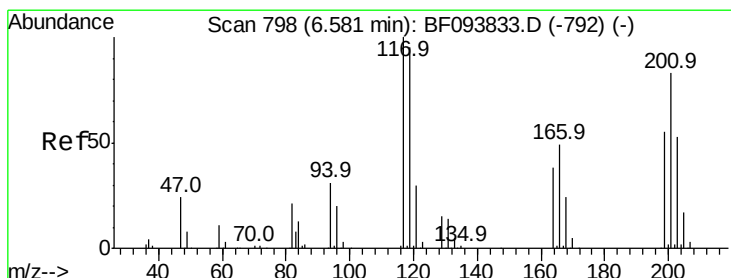
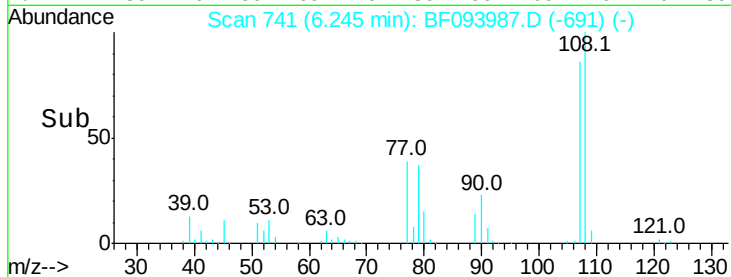
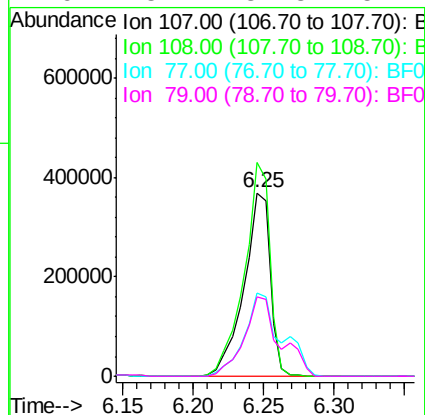
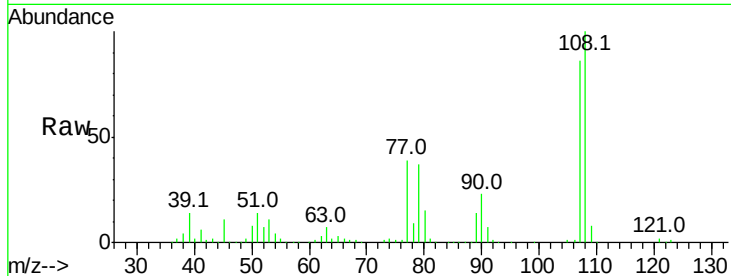
ClientSampleId :

S-3MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	116.3	93.4	140.0
77	45.1	35.8	53.6
79	43.4	34.8	52.2

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#18

Hexachloroethane

Concen: 45.46 ng

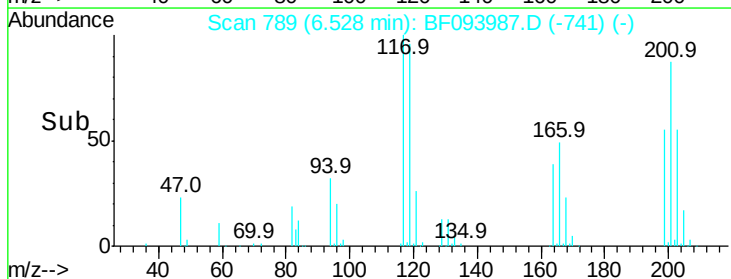
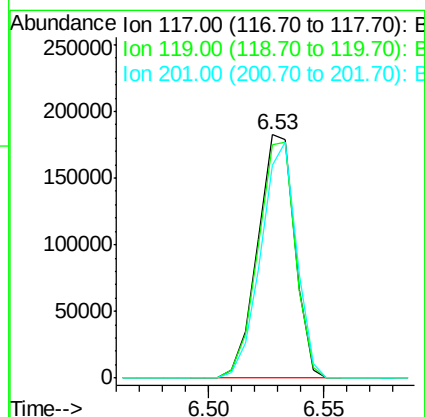
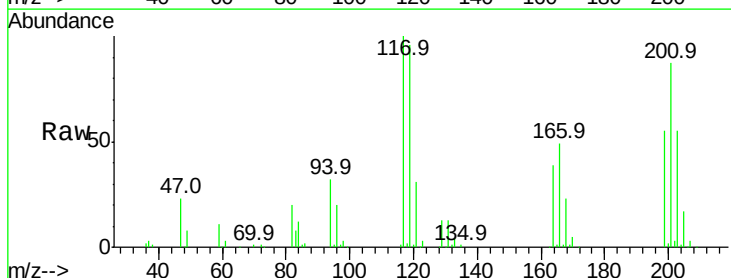
RT: 6.53 min Scan# 789

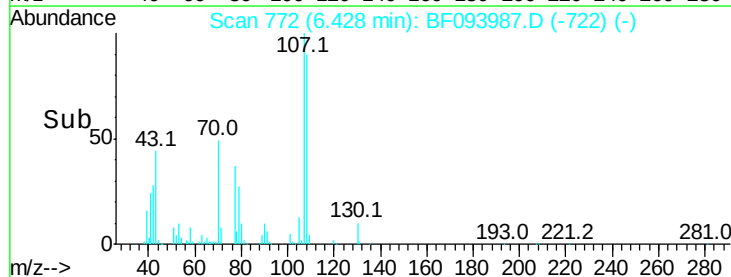
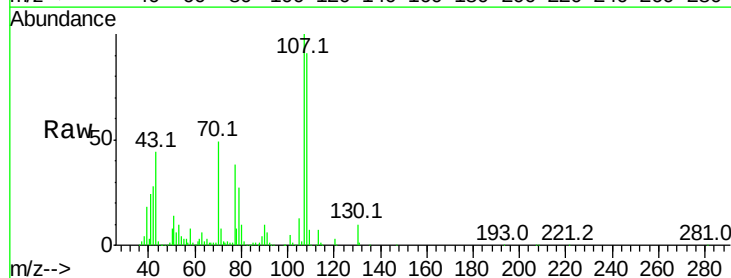
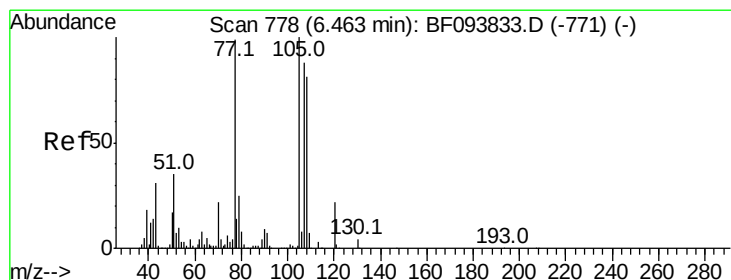
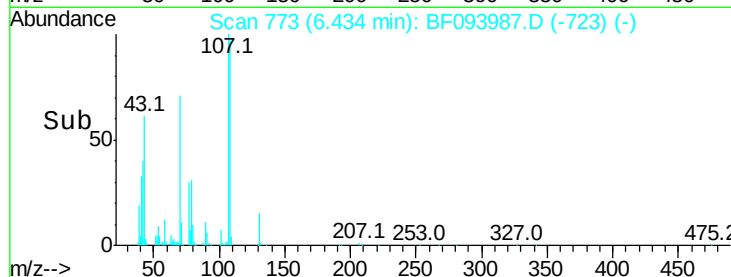
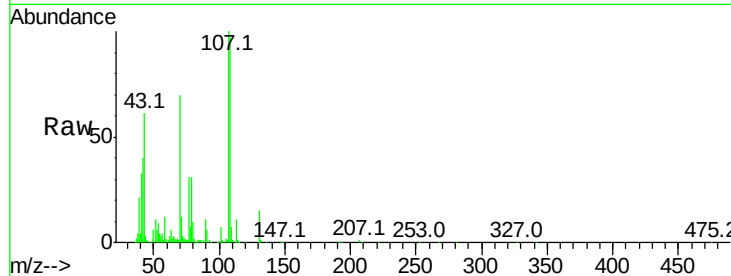
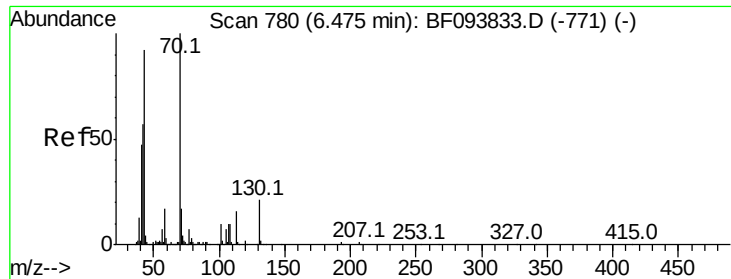
Delta R.T. -0.02 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
201	87.3	94.6	141.8#





#19

n-Nitroso-di-n-propylamine

Concen: 47.34 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF093987.D

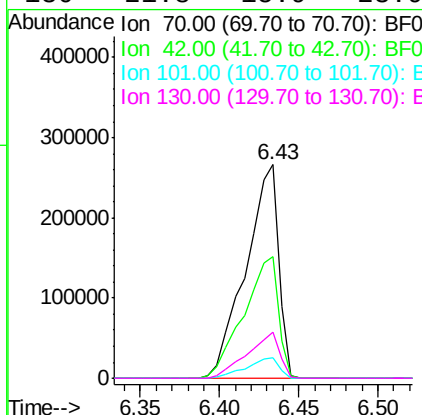
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.0	47.2	70.8	
101	9.5	7.2	10.8	
130	21.8	15.9	23.9	

Manual Integrations
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#20

3+4-Methylphenols

Concen: 49.65 ng

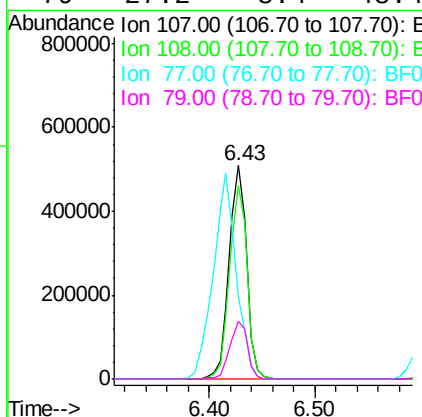
RT: 6.43 min Scan# 772

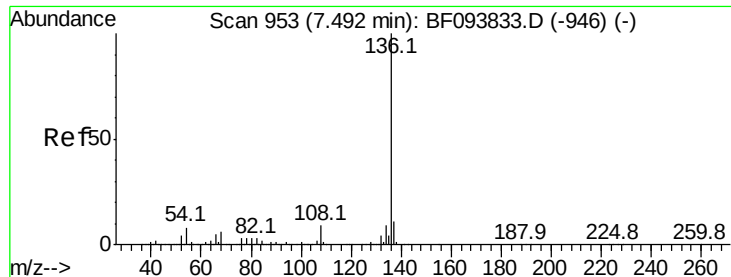
Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.7	71.0	111.0	
77	38.1	90.5	130.5#	
79	27.2	8.4	48.4	





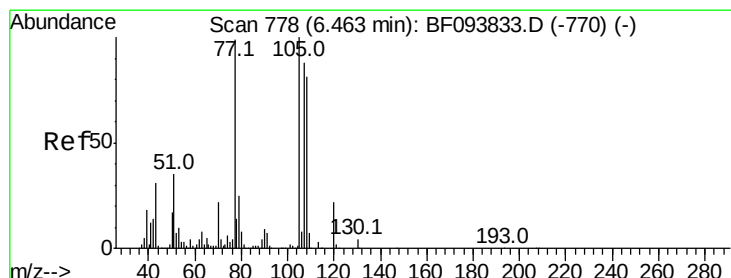
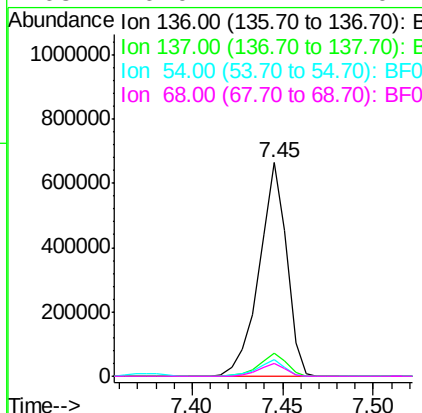
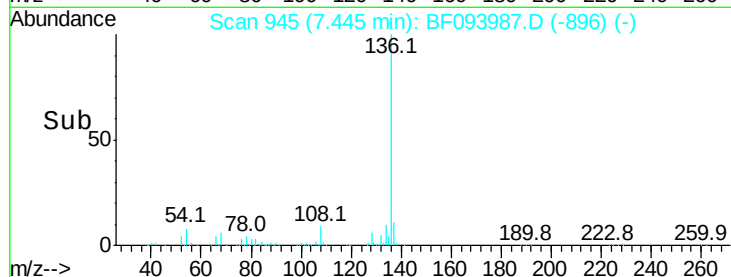
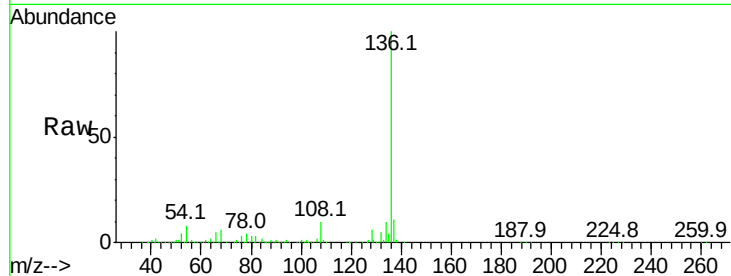
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.45 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.6	4.9	7.3#
68	6.0	4.1	6.1

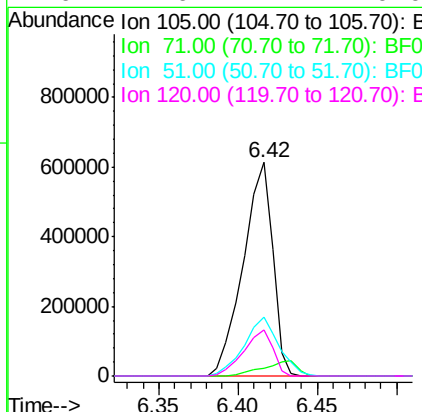
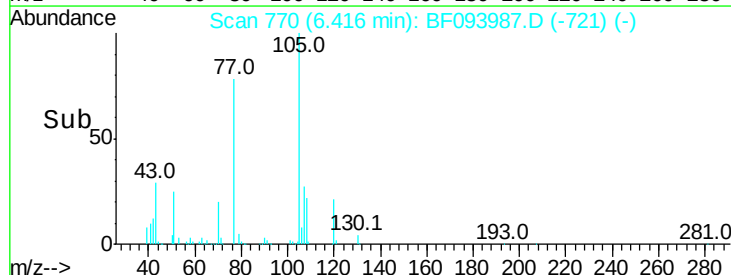
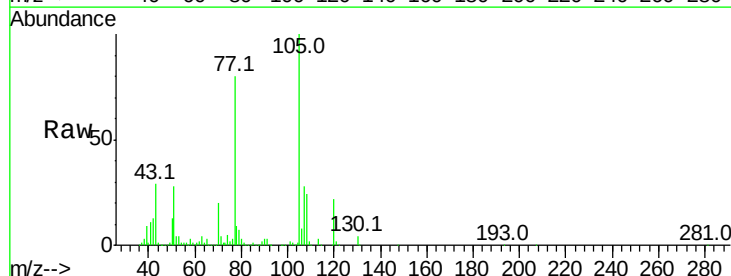
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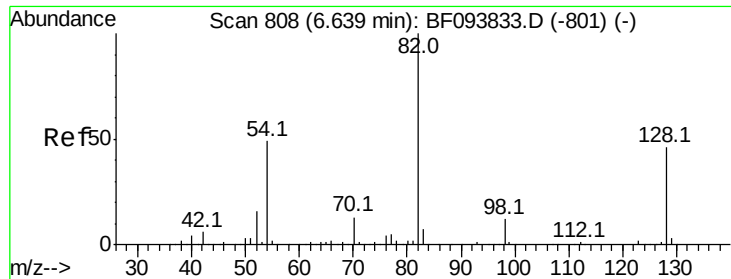
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#22
Acetophenone
Concen: 50.76 ng
RT: 6.42 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	3.5	2.8	4.2
51	27.6	30.7	46.1#
120	21.6	17.4	26.0





#23

Nitrobenzene-d5

Concen: 95.27 ng

RT: 6.59 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

ClientSampleId :

S-3MSD

Tot Ion: 82 Resp: 1169984

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

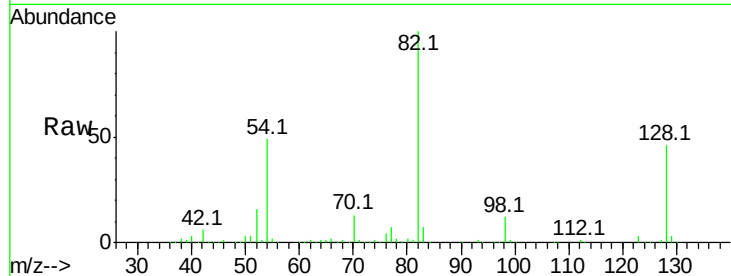
54 49.4 42.2 63.2

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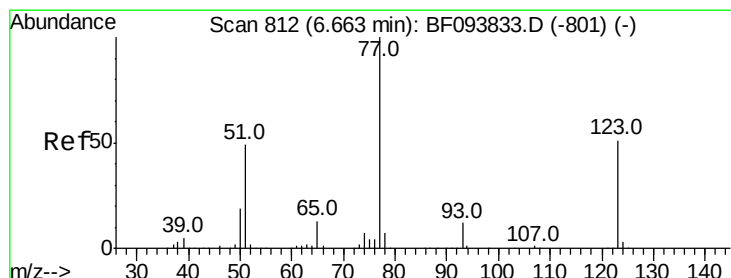
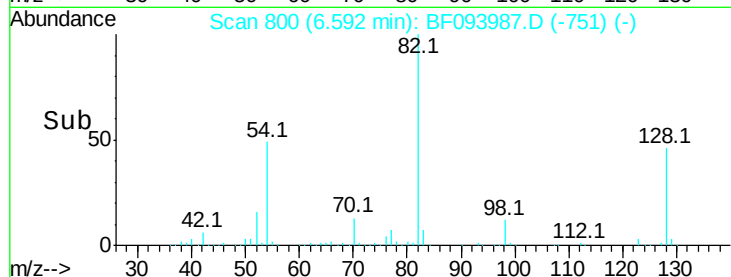
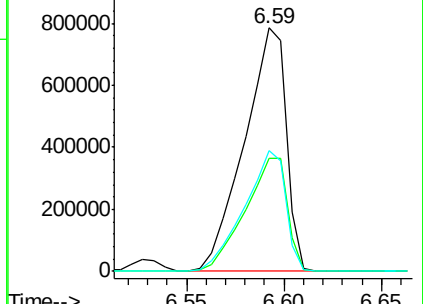
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 48.38 ng

RT: 6.62 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

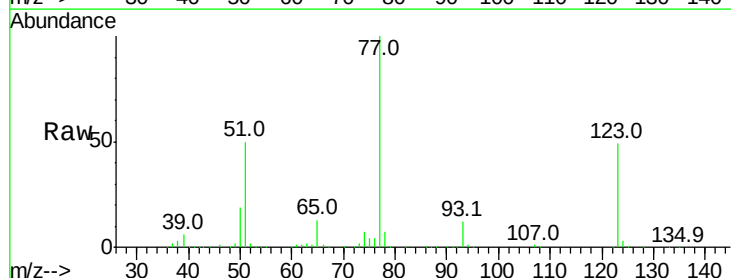
Tgt Ion: 77 Resp: 585949

Ion Ratio Lower Upper

77 100

123 48.5 35.8 53.8

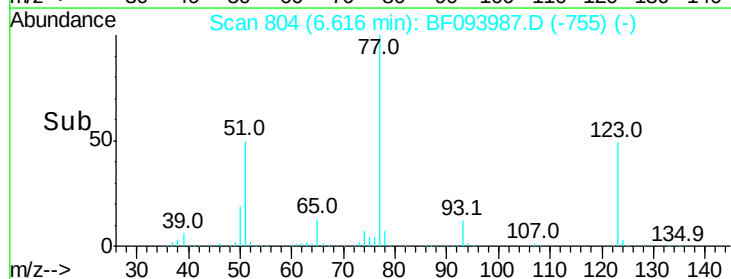
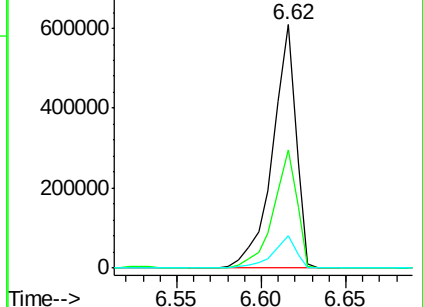
65 13.3 10.6 15.8

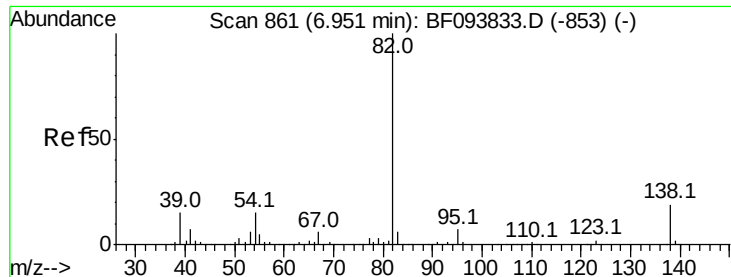


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.65 ng

RT: 6.90 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

ClientSampleId :

S-3MSD

Tot Ion: 82 Resp: 1049819

Ion Ratio Lower Upper

82 100

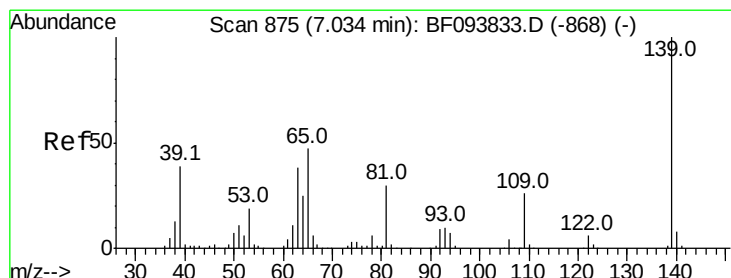
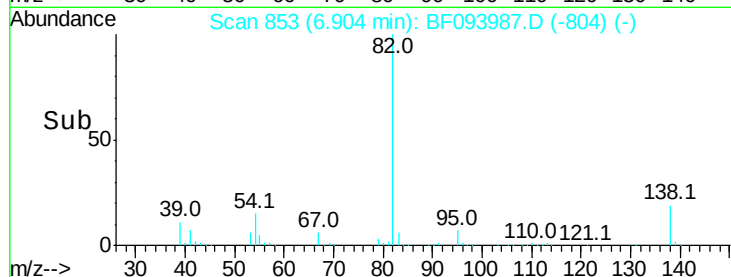
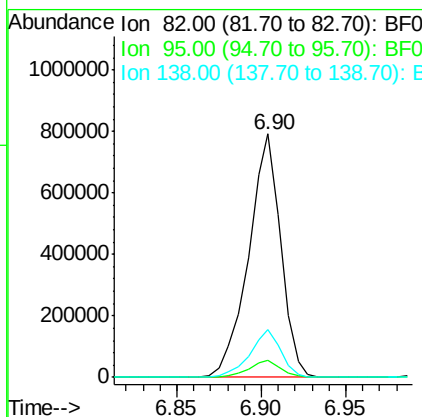
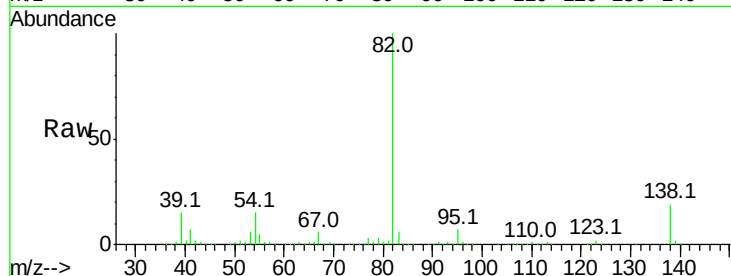
95 7.0 5.3 7.9

138 19.5 13.1 19.7

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#26

2-Nitrophenol

Concen: 55.41 ng

RT: 6.99 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

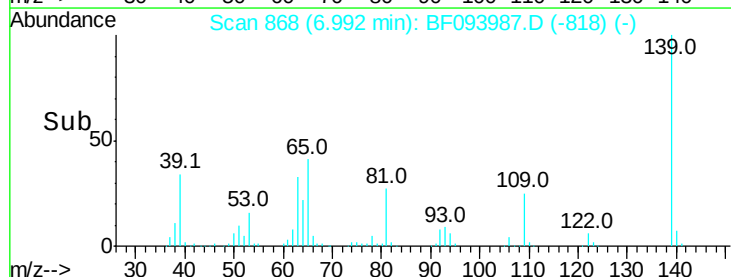
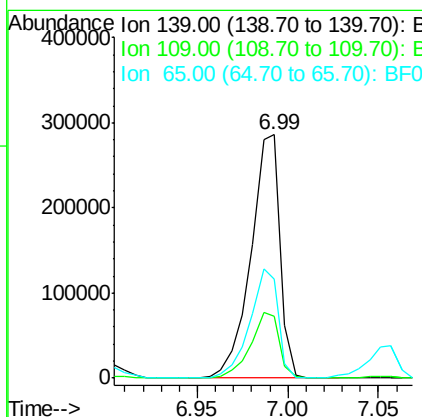
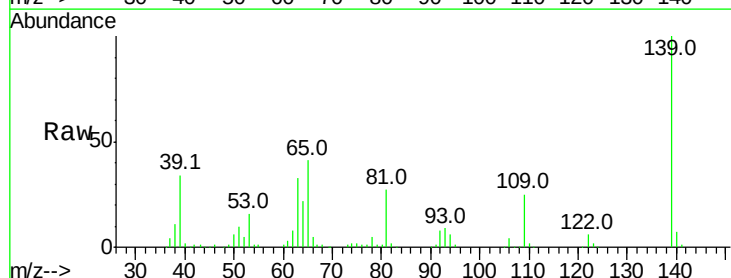
Tgt Ion: 139 Resp: 320049

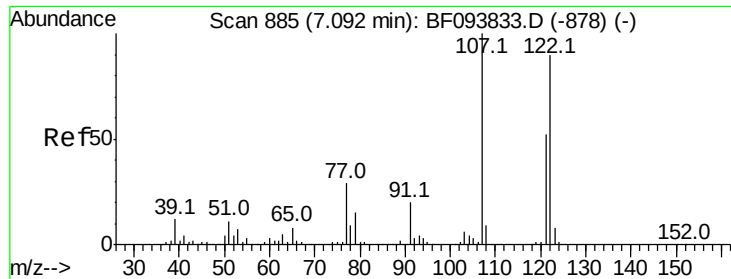
Ion Ratio Lower Upper

139 100

109 25.5 21.0 31.6

65 40.6 33.0 49.6





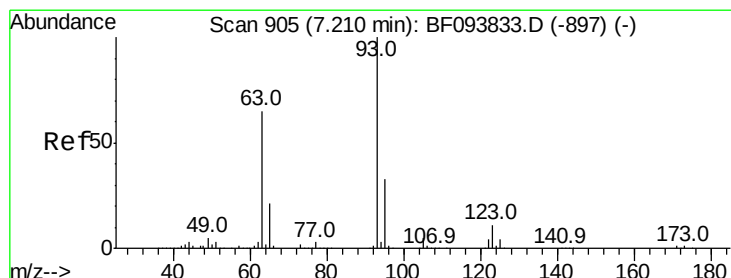
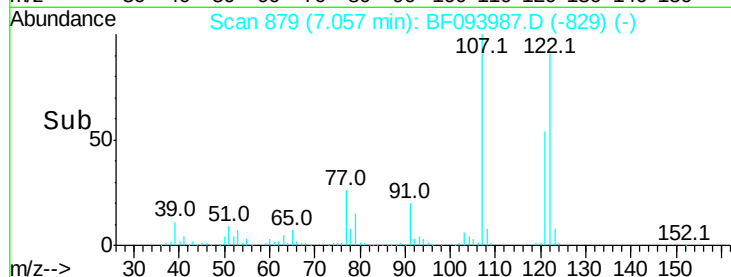
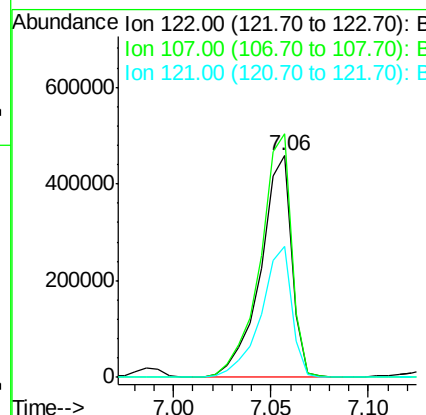
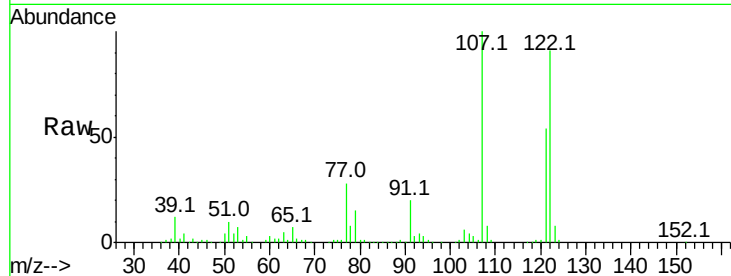
#27
2,4-Dimethylphenol
Concen: 51.25 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.0	89.2	133.8
121	59.3	45.2	67.8

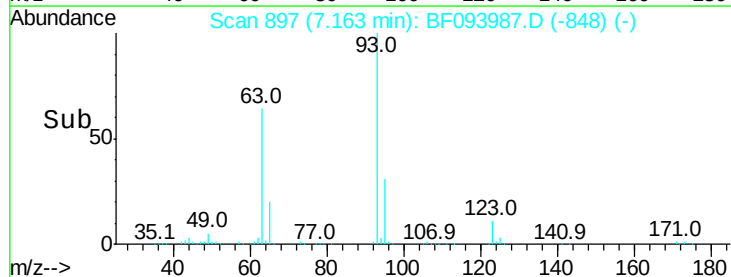
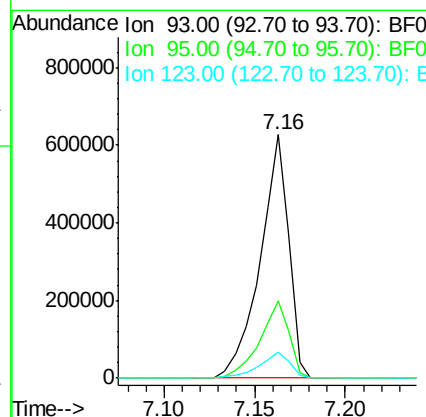
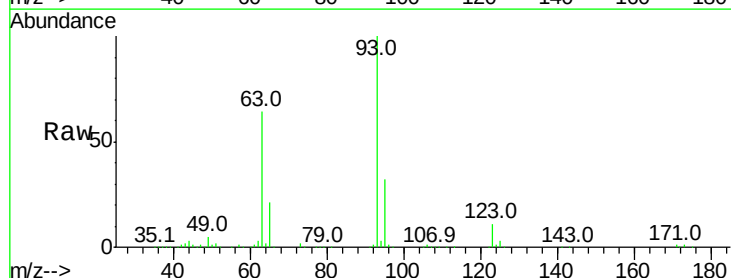
Manual Integrations
APPROVED

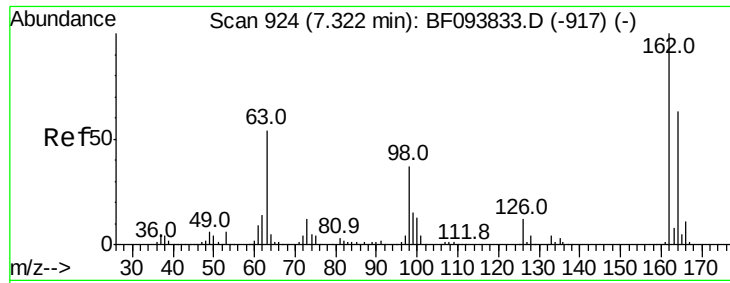
mohammad
3/28/2017 3:43:45 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.22 ng
RT: 7.16 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.5	39.7
123	10.8	9.0	13.4





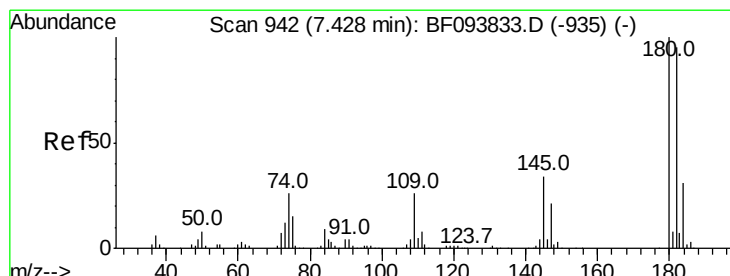
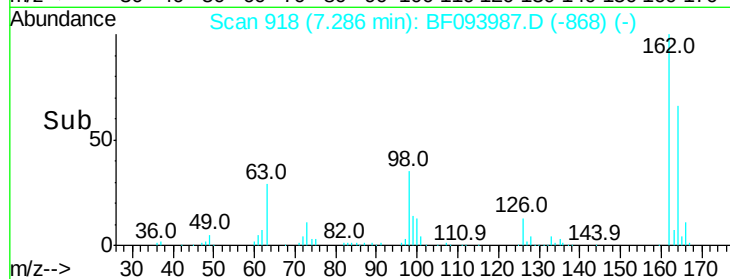
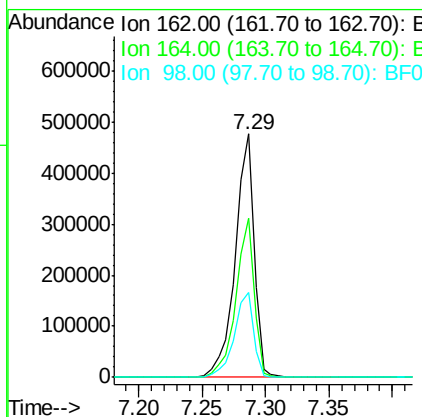
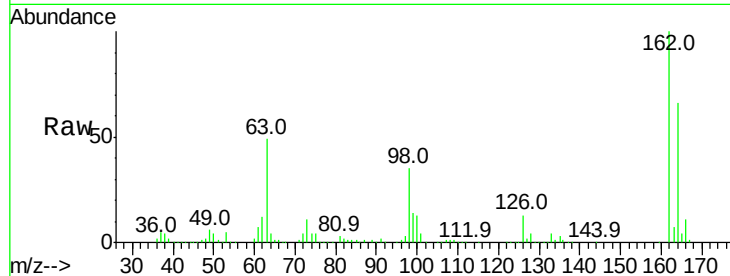
#29
 2,4-Dichlorophenol
 Concen: 52.37 ng
 RT: 7.29 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	487280		
164	65.6		44.6	84.6
98	34.9		14.8	54.8

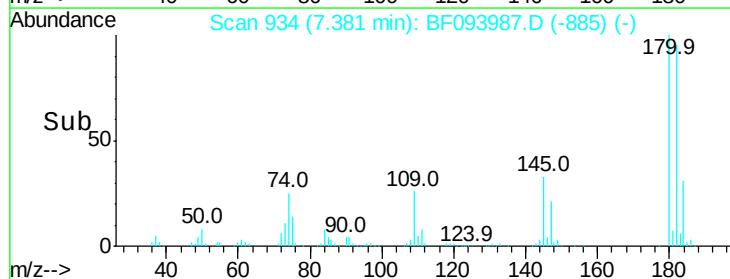
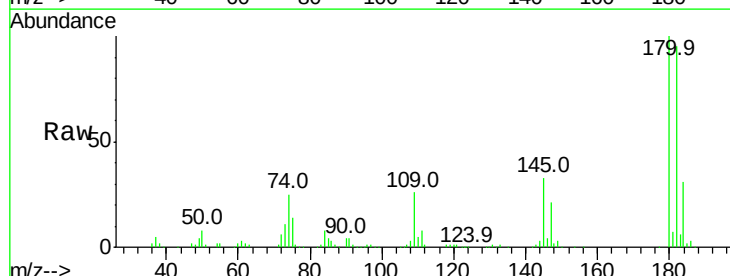
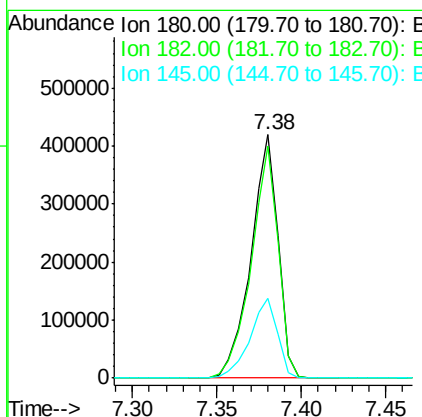
Manual Integrations
 APPROVED

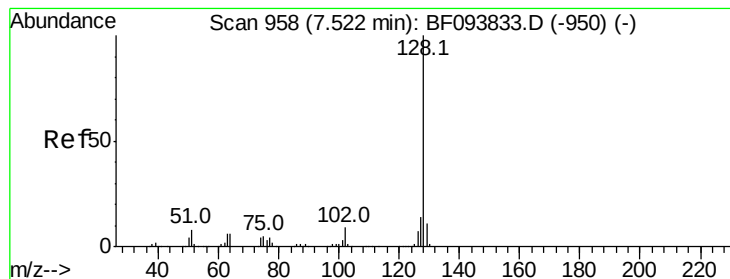
mohammad
 3/28/2017 3:43:45 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 48.99 ng
 RT: 7.38 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	469531		
182	95.2		75.8	113.6
145	32.9		25.3	37.9





#31

Naphthalene

Concen: 47.15 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

ClientSampleId :

S-3MSD

Tot Ion:128 Resp: 1588945

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

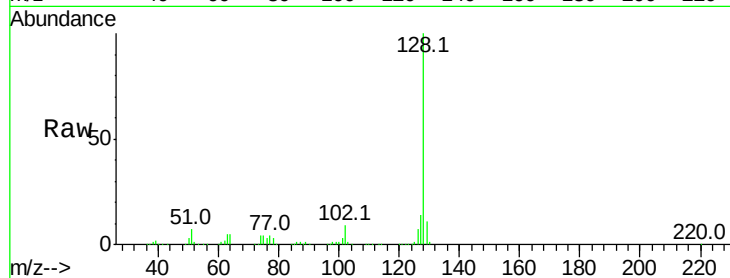
127 13.6 10.8 16.2

Manual Integrations

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mohammad

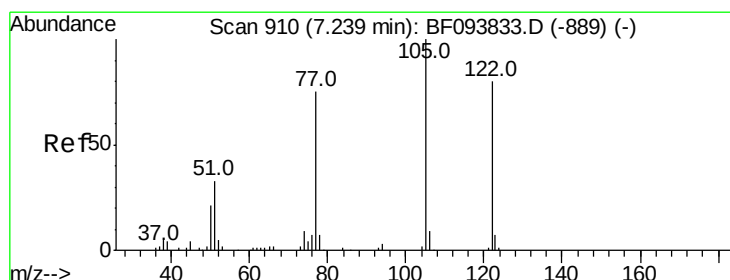
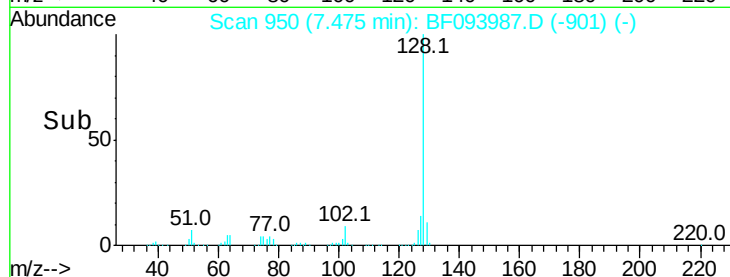
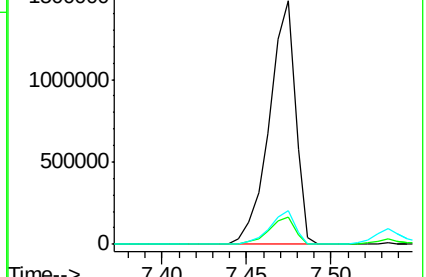
3/28/2017 3:43:45 PM



Abundance Ion 128.00 (127.70 to 128.70): E

2000000 Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.19 ng

RT: 7.14 min Scan# 893

Delta R.T. -0.08 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

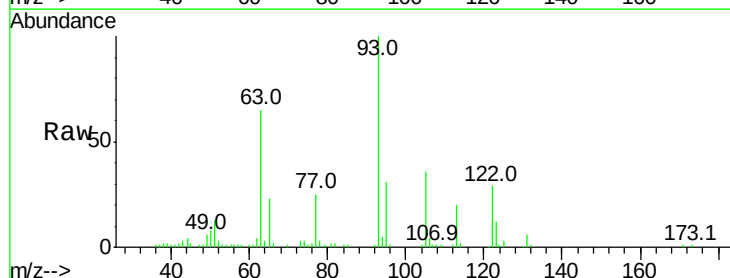
Tgt Ion:122 Resp: 27735

Ion Ratio Lower Upper

122 100

105 123.7 103.3 143.3

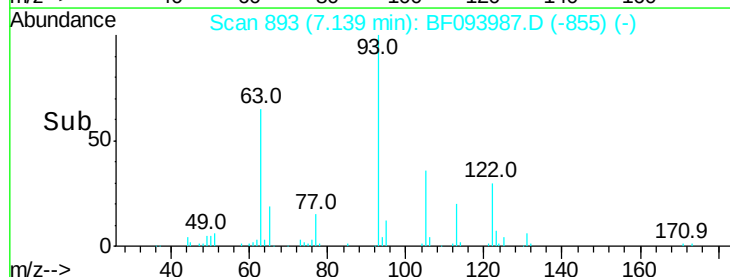
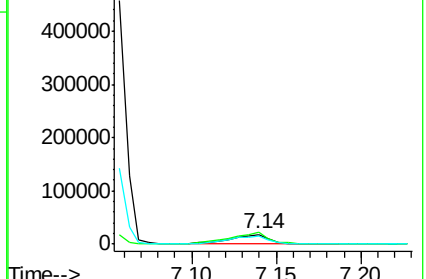
77 86.3 73.7 113.7

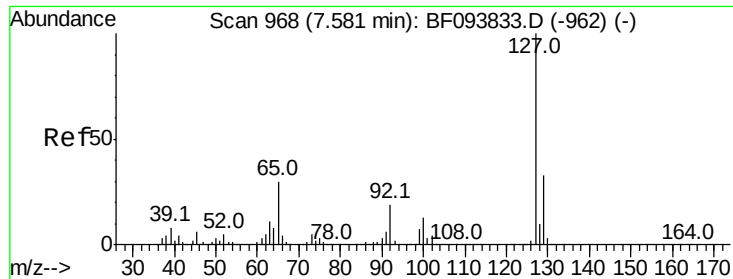


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





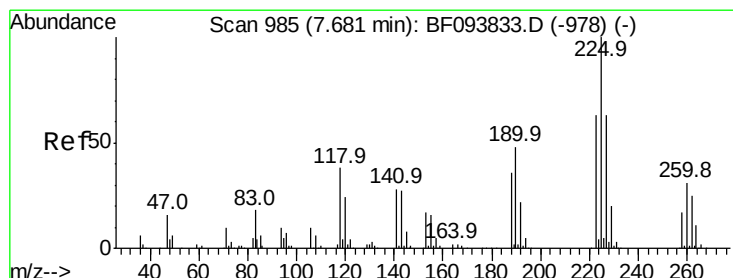
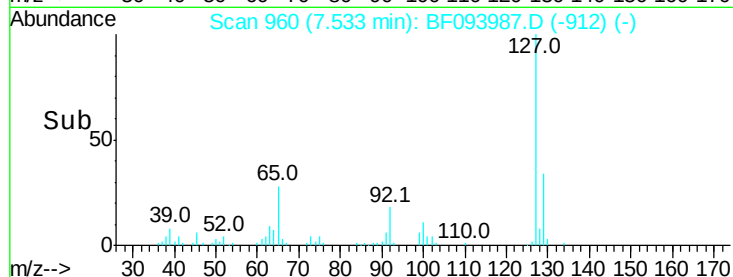
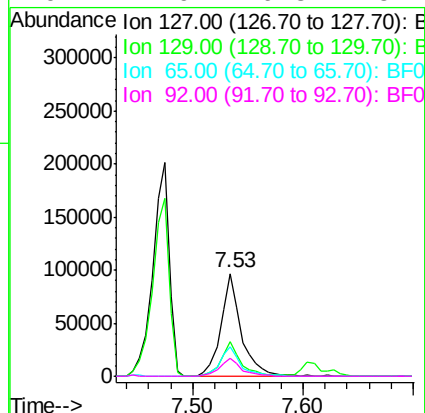
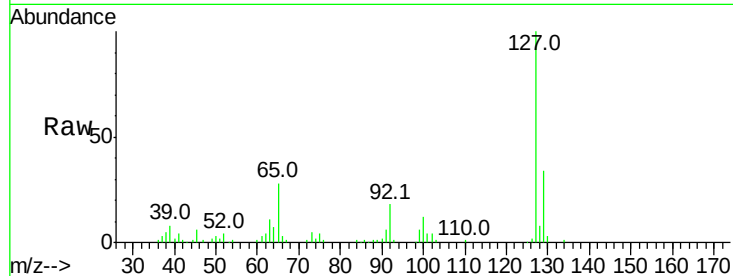
#33
4-Chloroaniline
Concen: 9.13 ng
RT: 7.53 min Scan# 960
Delta R.T. -0.02 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.9	26.2	39.2	
65	28.1	27.8	41.8	
92	17.9	16.8	25.2	

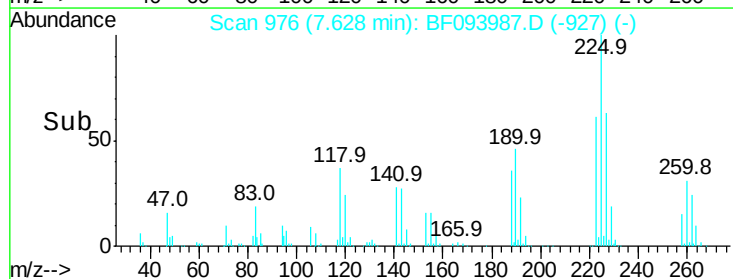
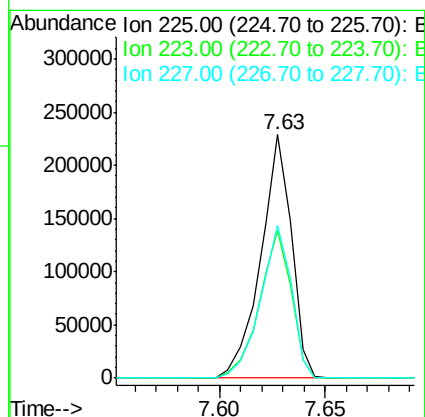
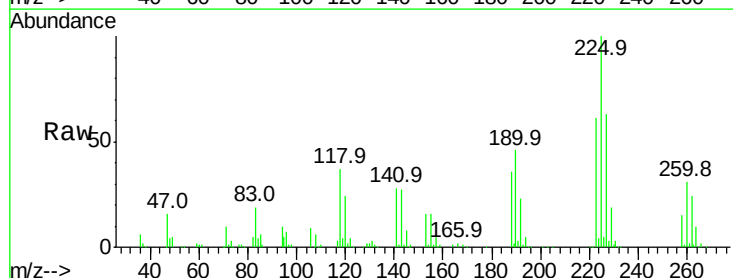
Manual Integrations
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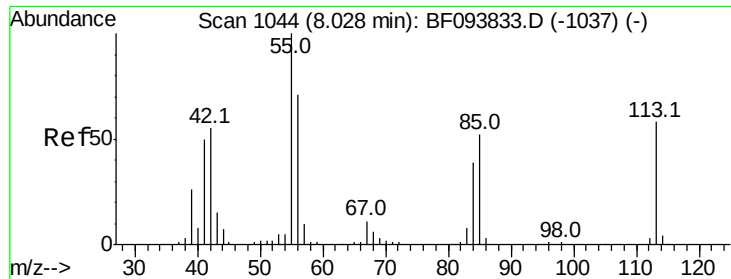
mohammad
3/28/2017 3:43:45 PM



#34
Hexachlorobutadiene
Concen: 47.18 ng
RT: 7.63 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	48.8	73.2	
227	62.6	51.1	76.7	





#35

Caprolactam

Concen: 49.37 ng/mL

RT: 7.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

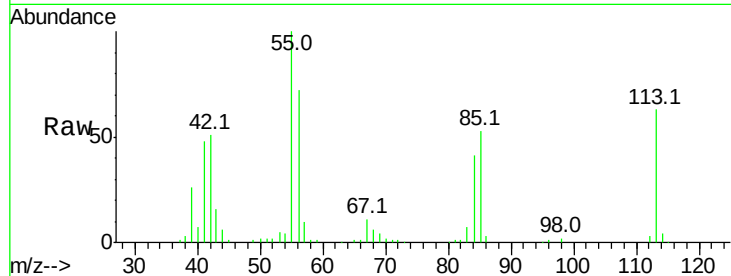
ClientSampled :

S-3MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	159.1	150.2	190.2
56	115.4	107.8	147.8

Manual Integrations
APPROVED

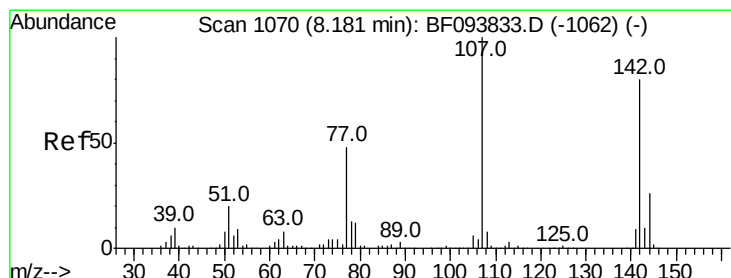
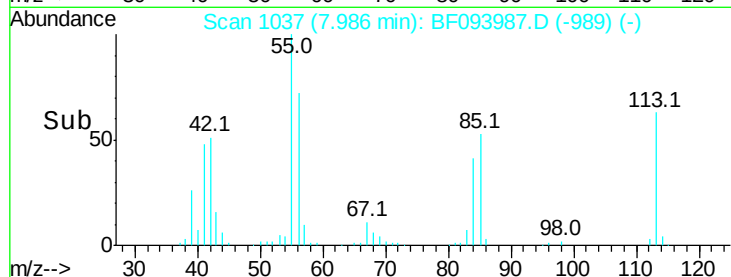
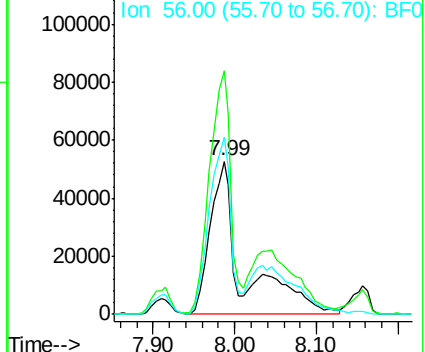
mohammad
3/28/2017 3:43:45 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 52.22 ng/mL

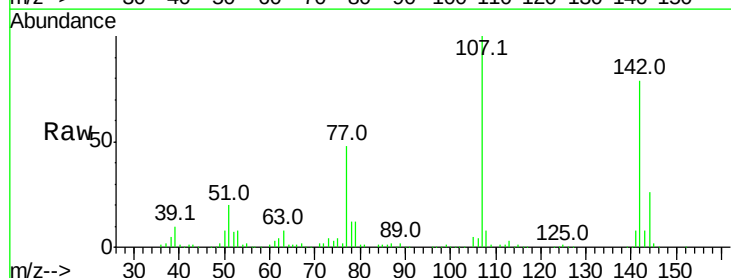
RT: 8.16 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

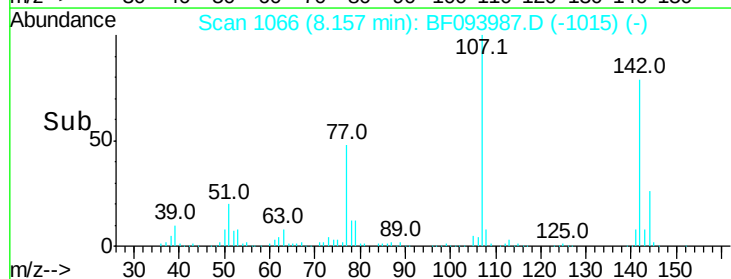
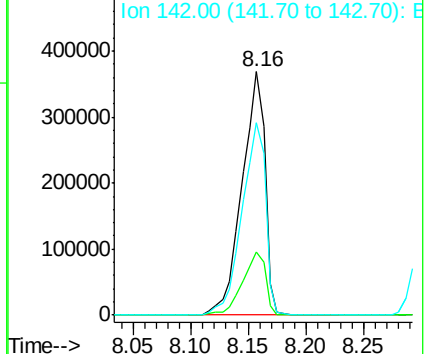
Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.8	24.2	36.4
142	78.9	73.4	110.0

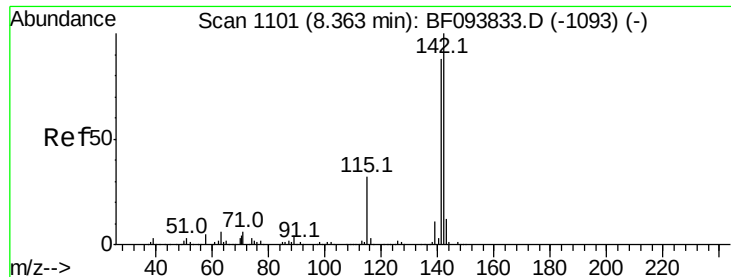


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





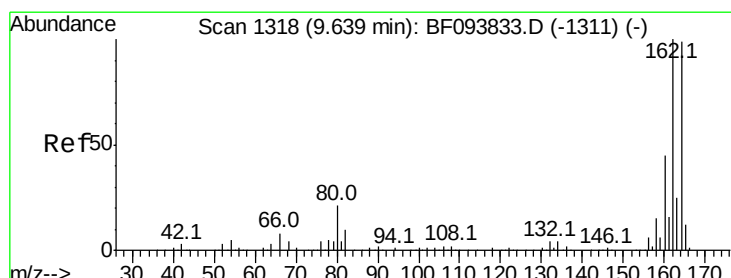
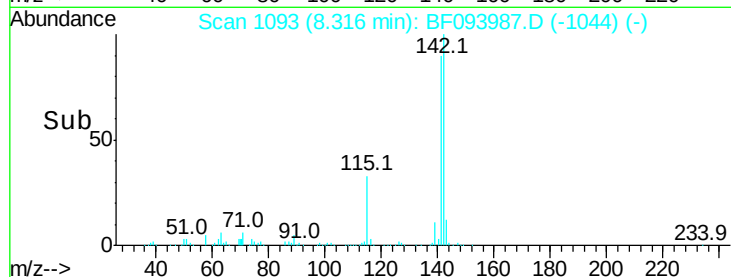
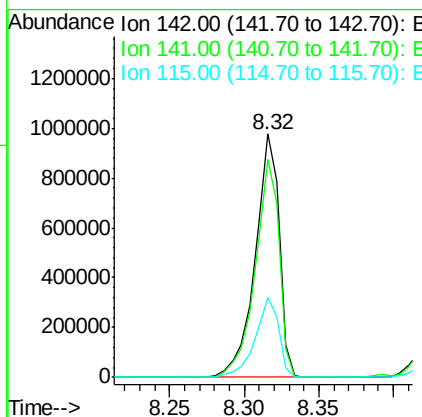
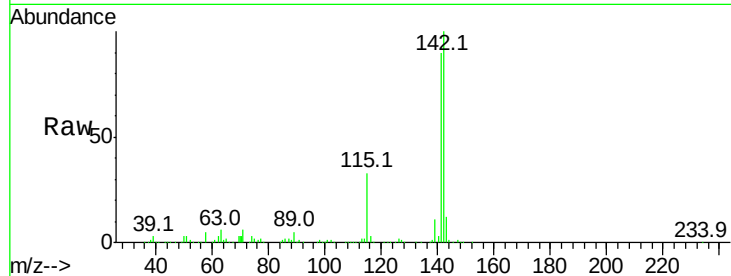
#37
2-Methylnaphthalene
Concen: 47.78 ng
RT: 8.32 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion:142 Resp: 1073272
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9
115 32.6 27.1 40.7

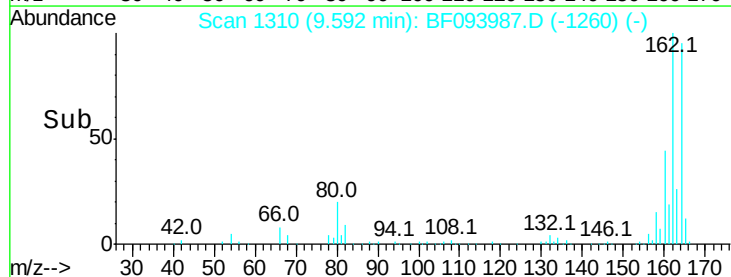
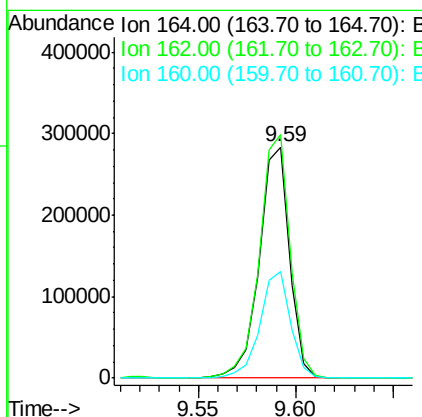
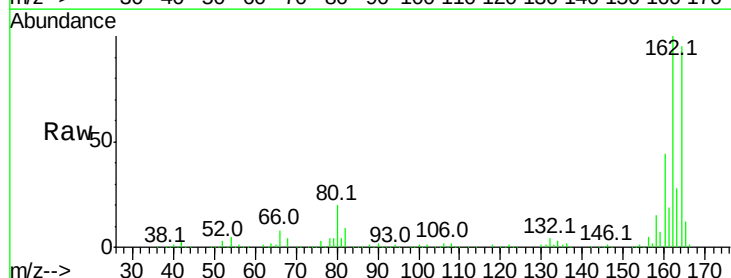
Manual Integrations
APPROVED

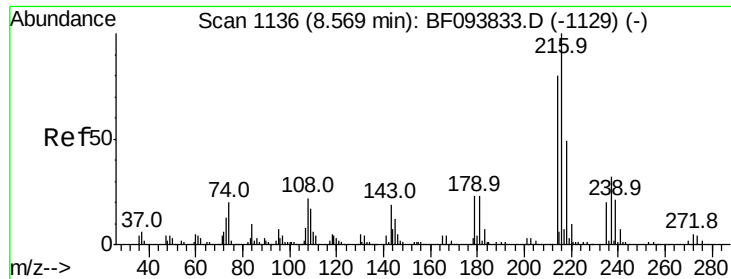
mohammad
3/28/2017 3:43:45 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion:164 Resp: 304815
Ion Ratio Lower Upper
164 100
162 105.3 82.6 123.8
160 46.0 36.2 54.2





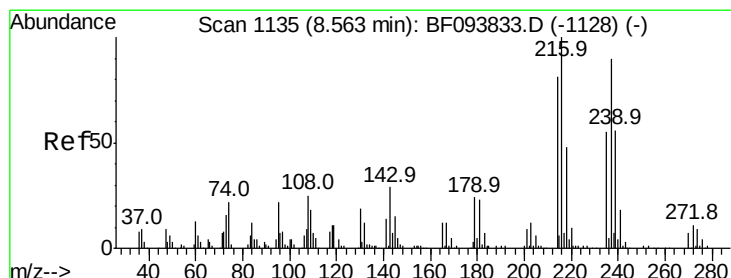
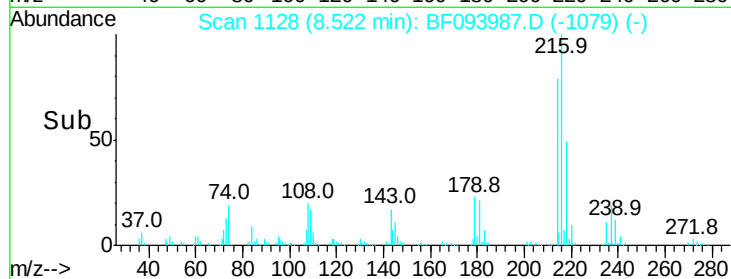
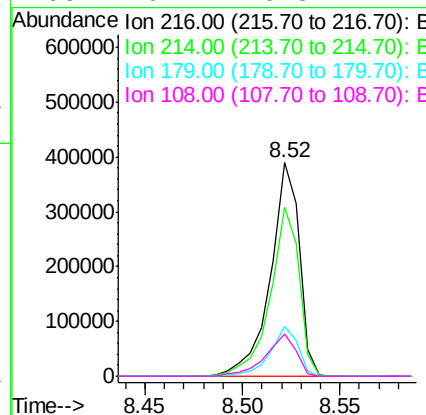
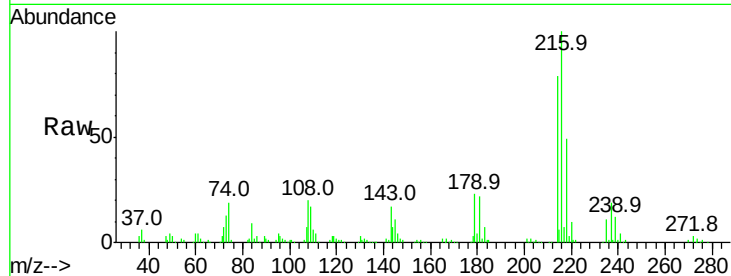
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.84 ng
 RT: 8.52 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	398894		
214	79.3	63.4	95.2	
179	22.6	17.9	26.9	
108	20.7	16.5	24.7	

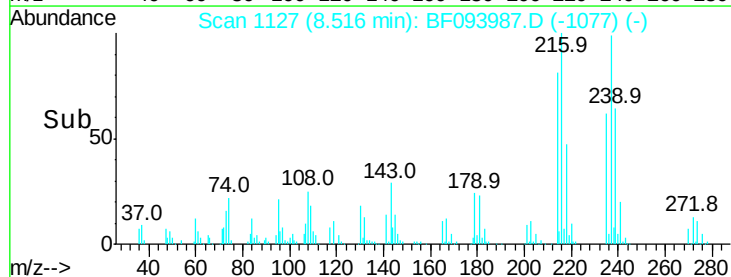
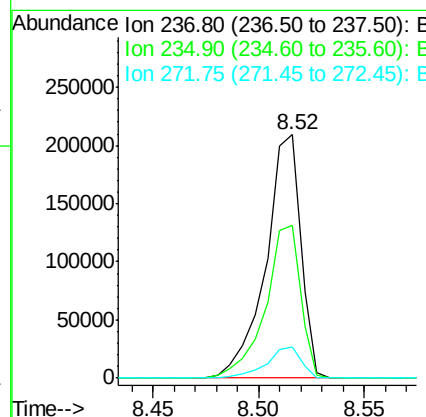
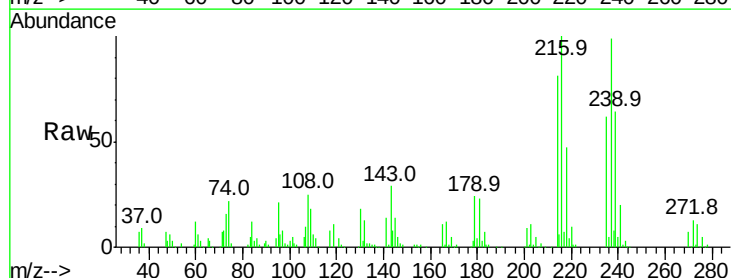
Manual Integrations
 APPROVED

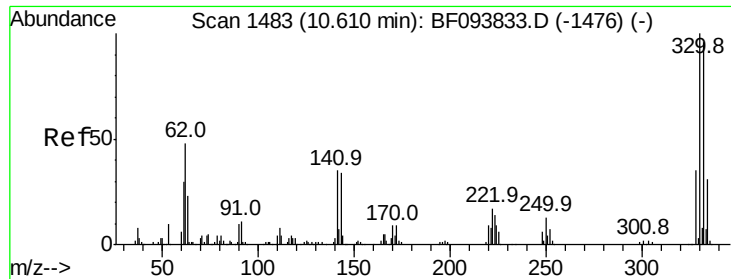
mohammad
 3/28/2017 3:43:45 PM



#40
 Hexachlorocyclopentadiene
 Concen: 62.24 ng
 RT: 8.52 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	242870		
235	62.8	42.6	82.6	
272	12.8	0.0	31.9	





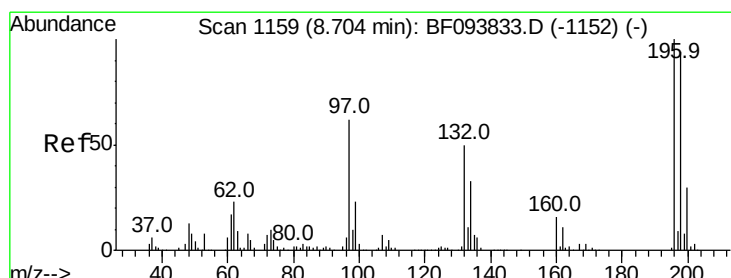
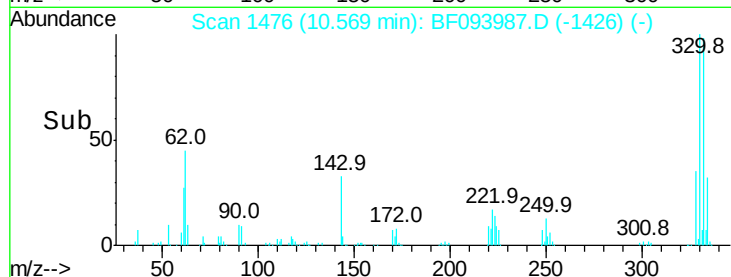
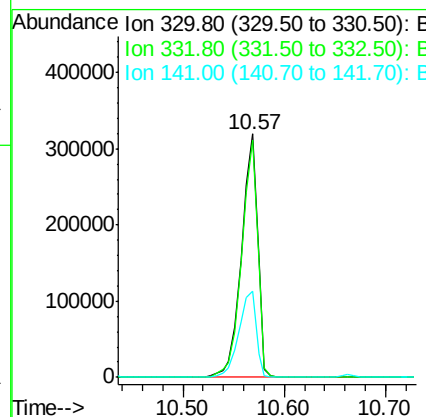
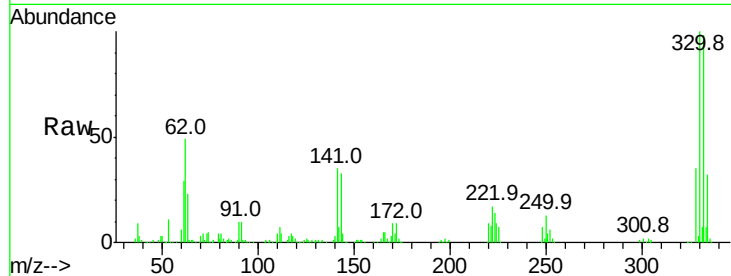
#41
 2,4,6-Tribromophenol
 Concen: 146.94 ng
 RT: 10.57 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.6	115.0	
141	38.3	31.4	47.2	

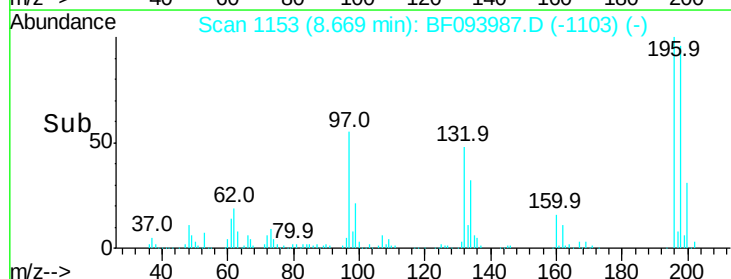
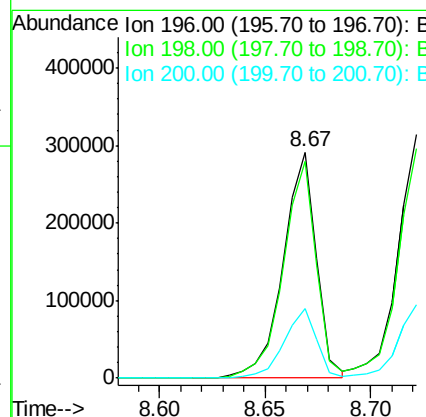
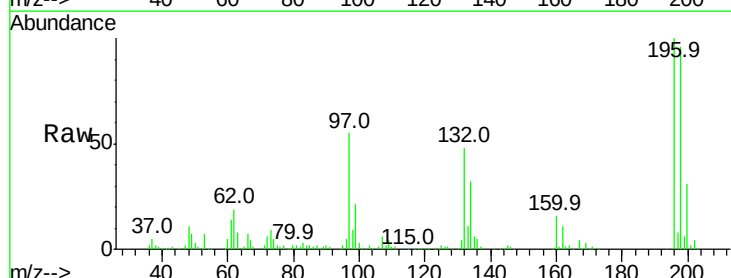
Manual Integrations
 APPROVED

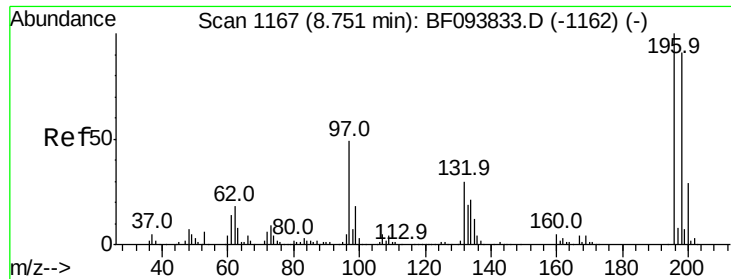
mohammad
 3/28/2017 3:43:45 PM



#42
 2,4,6-Trichlorophenol
 Concen: 54.08 ng
 RT: 8.67 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.8	74.2	111.4	
200	30.9	24.0	36.0	





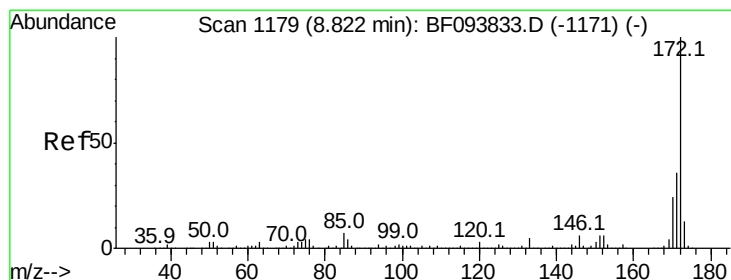
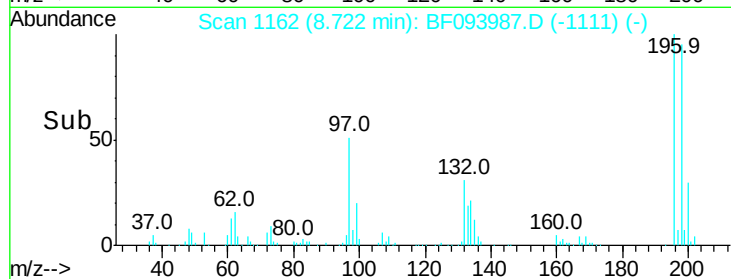
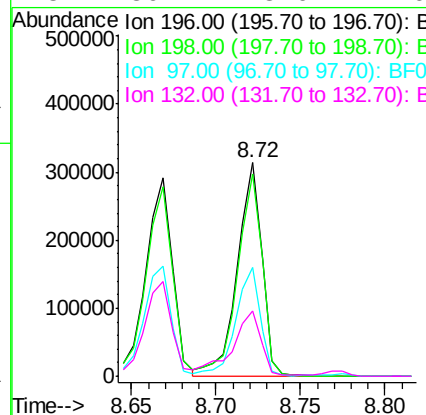
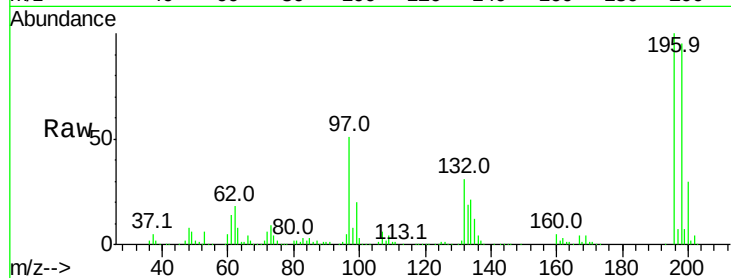
#43
 2,4,5-Trichlorophenol
 Concen: 49.51 ng
 RT: 8.72 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion	196	Resp	316080
Ion Ratio	Lower	Upper	
196	100		
198	94.5	75.7	113.5
97	51.2	47.7	71.5
132	30.7	28.0	42.0

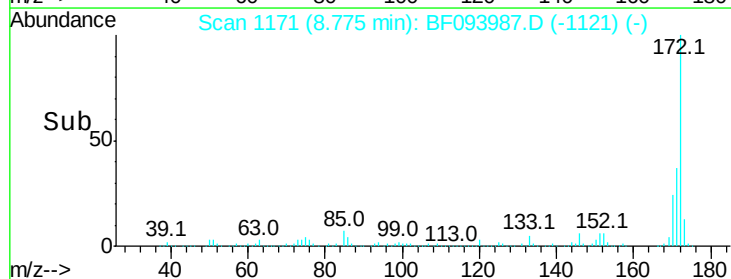
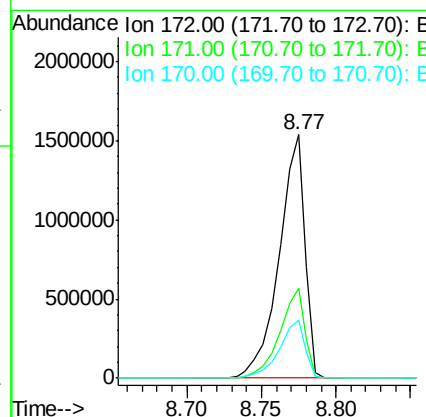
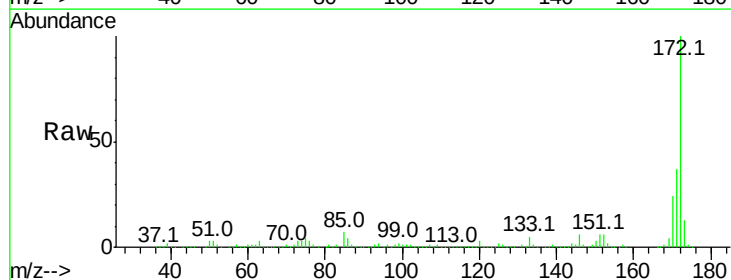
Manual Integrations
 APPROVED

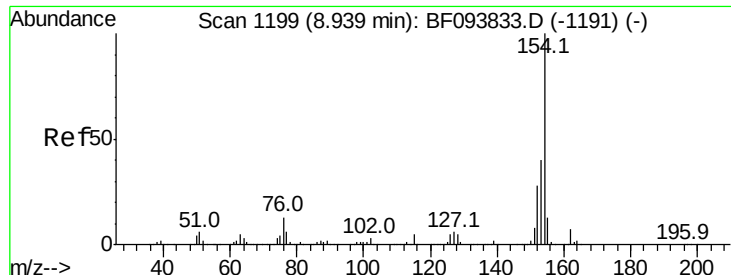
mohammad
 3/28/2017 3:43:45 PM



#44
 2-Fluorobiphenyl
 Concen: 92.74 ng
 RT: 8.77 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	172	Resp	1853374
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.6	44.4
170	23.9	19.8	29.8





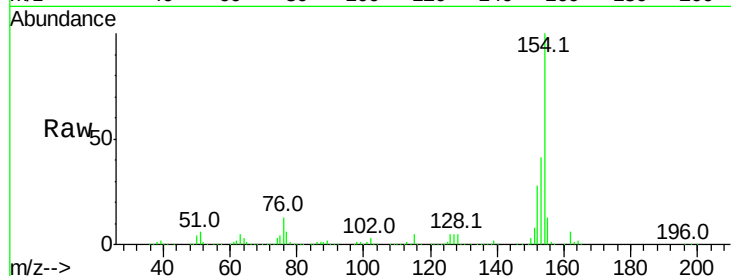
#45
1,1'-Biphenyl
Concen: 47.24 ng
RT: 8.89 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

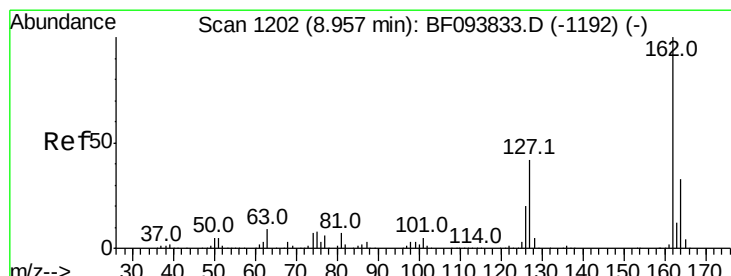
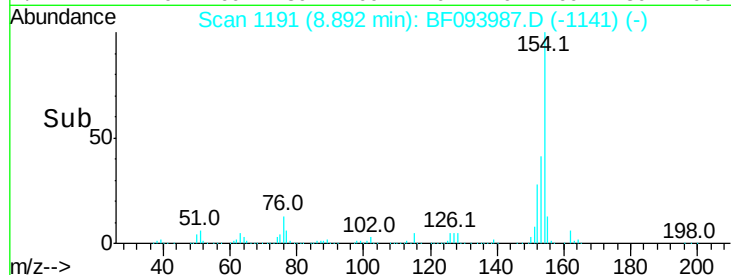
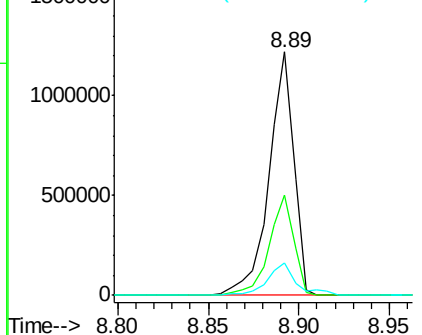
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.2	61.2
76	13.3	0.0	29.9

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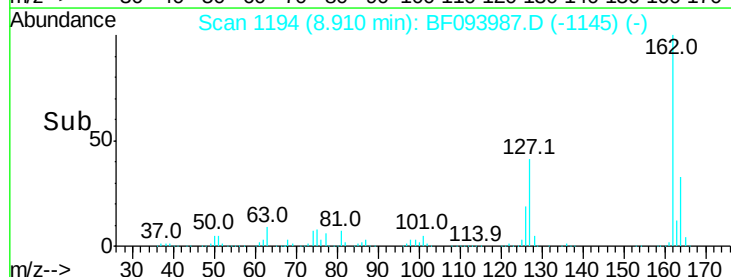
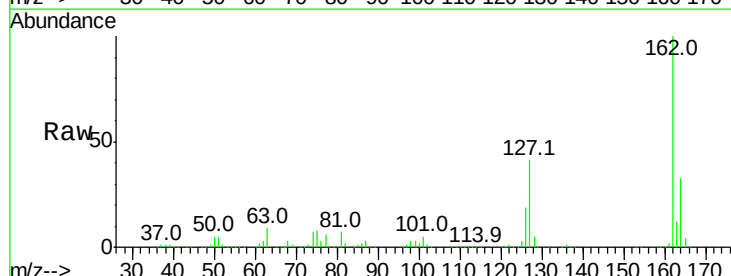
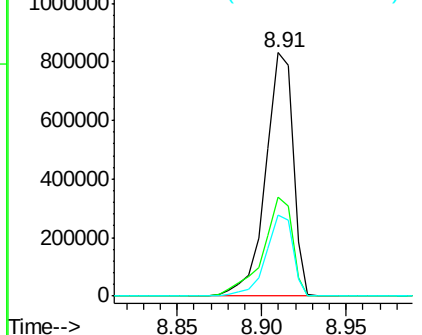
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

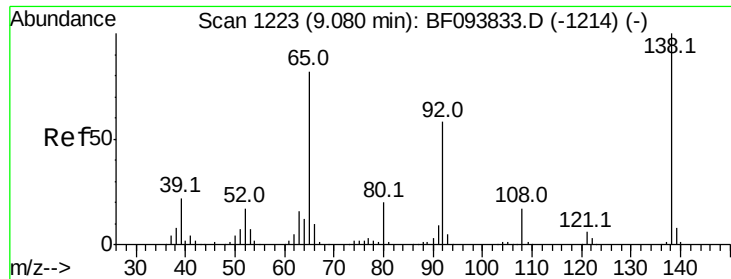


#46
2-Chloronaphthalene
Concen: 48.69 ng
RT: 8.91 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.7	28.3	42.5
164	33.1	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





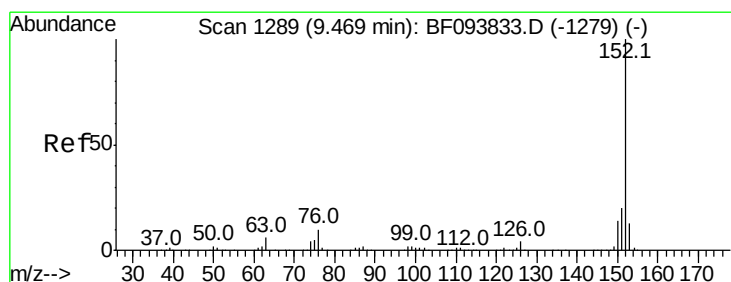
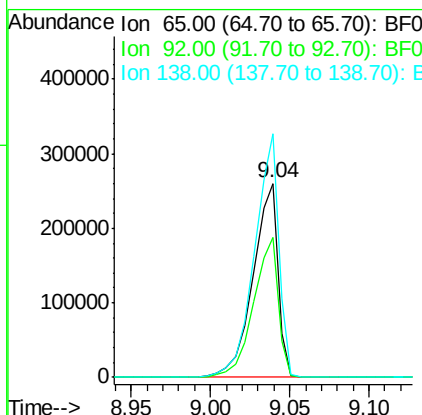
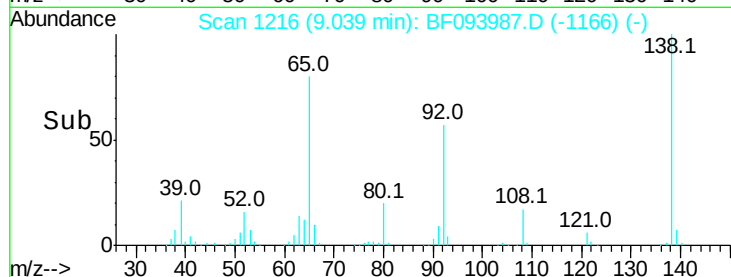
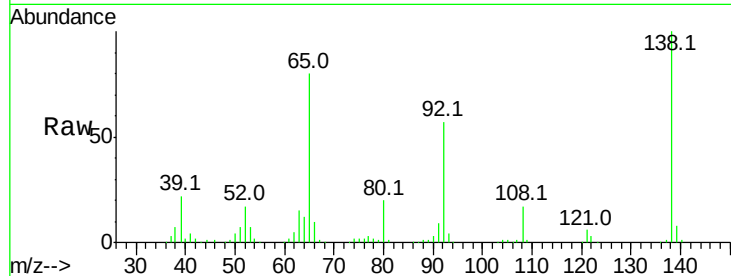
#47
2-Nitroaniline
Concen: 50.11 ng
RT: 9.04 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampled :
S-3MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	72.0	53.9	80.9
138	125.3	78.8	118.2

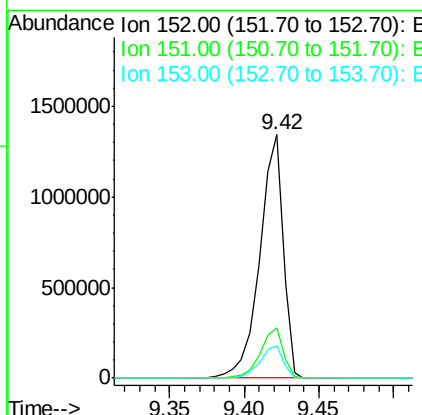
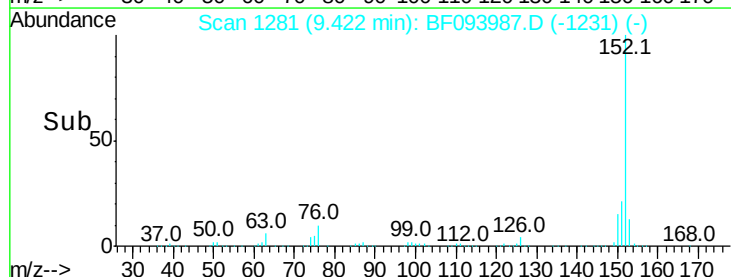
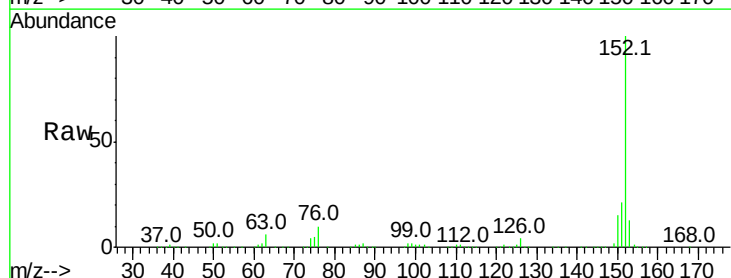
Manual Integrations
APPROVED

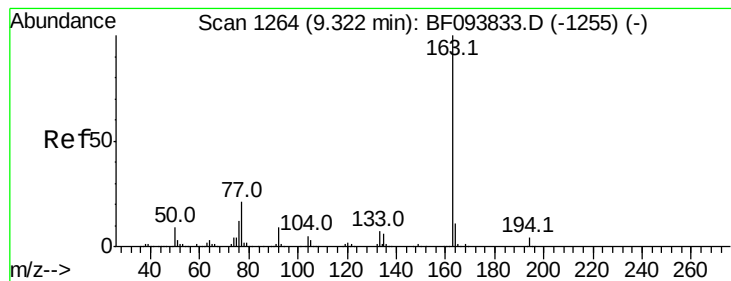
mohammad
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#48
Acenaphthylene
Concen: 44.97 ng
RT: 9.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	13.2	10.8	16.2





#49

Dimethylphthalate

Concen: 56.00 ng

RT: 9.28 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

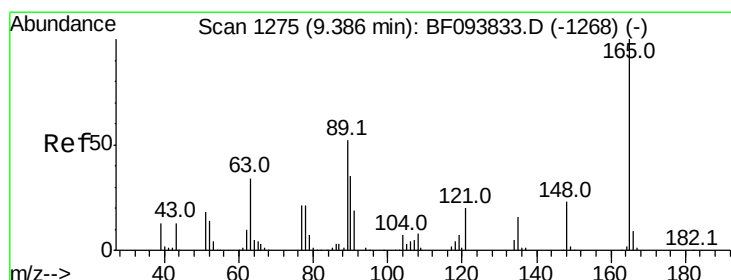
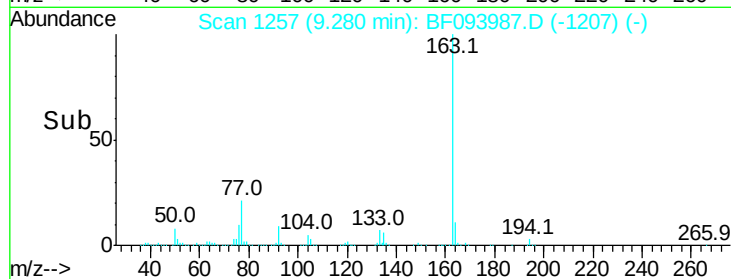
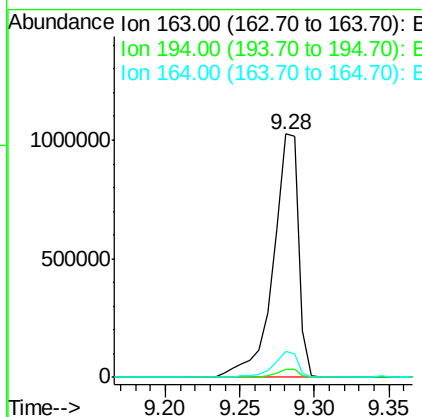
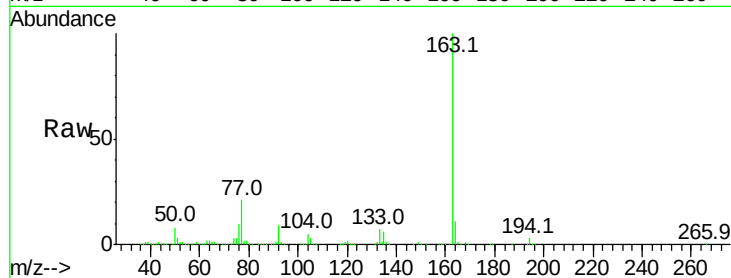
ClientSampleId :

S-3MSD

Tot Ion:	163	Resp:	1213344
Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.5	8.4	12.6

Manual Integrations
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#50

2,6-Dinitrotoluene

Concen: 51.10 ng

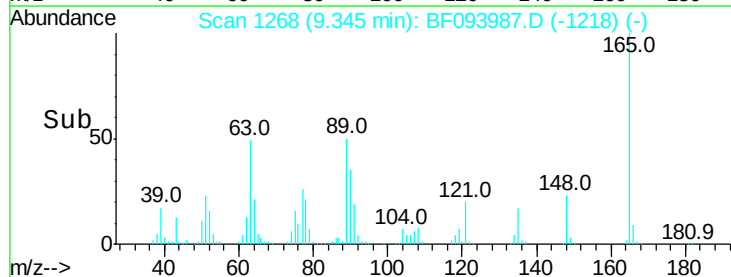
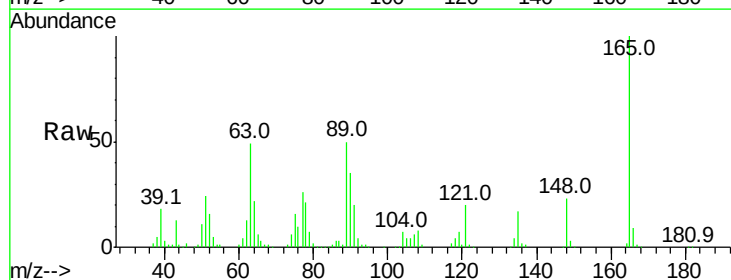
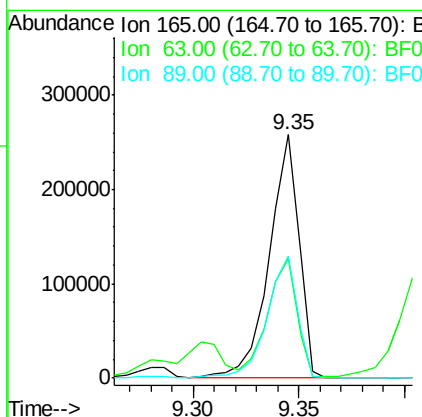
RT: 9.35 min Scan# 1268

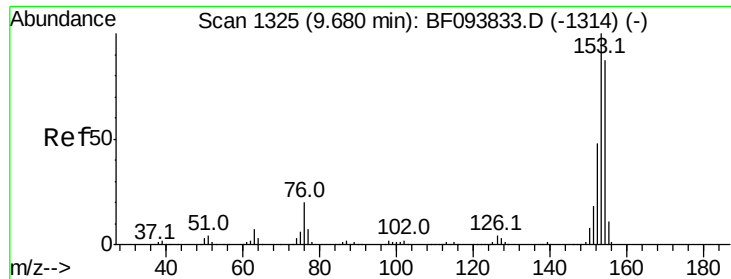
Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	165	Resp:	253793
Ion	Ratio	Lower	Upper
165	100		
63	49.3	34.3	51.5
89	50.2	37.1	55.7





#51

Acenaphthene

Concen: 45.66 ng

RT: 9.63 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

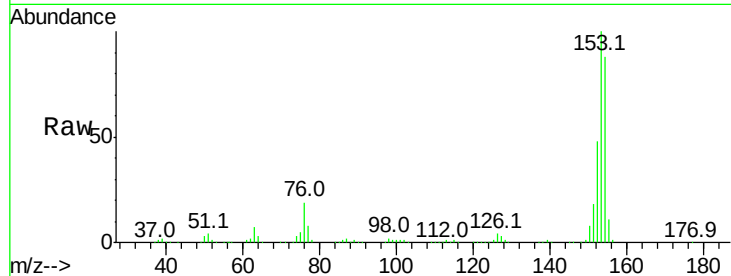
ClientSampleId :

S-3MSD

Tot Ion:	154	Resp:	852185
Ion Ratio	Lower	Upper	
154	100		
153	113.2	90.5	135.7
152	54.2	43.6	65.4

Manual Integrations
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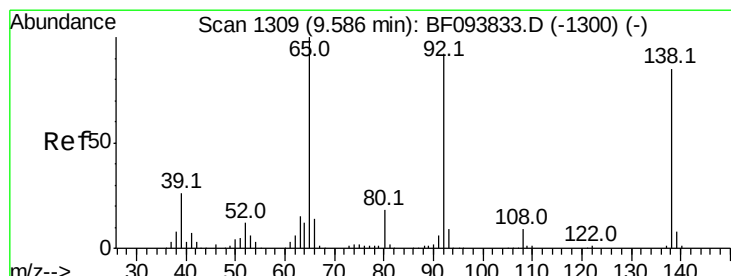
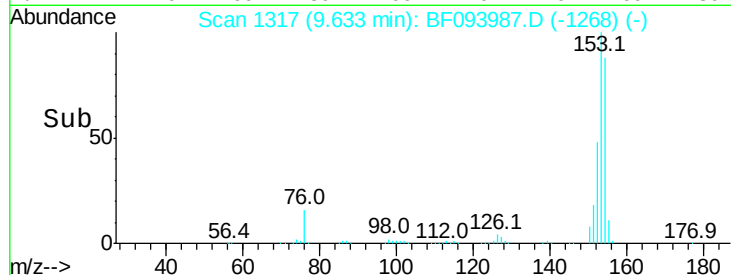
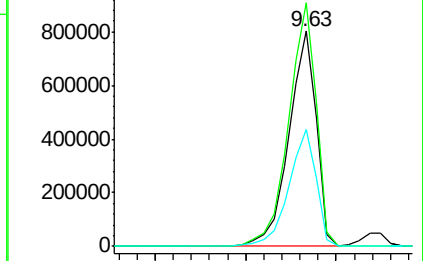
mohammad
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.60 ng

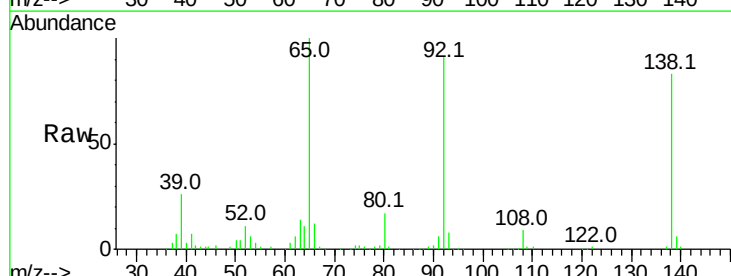
RT: 9.54 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

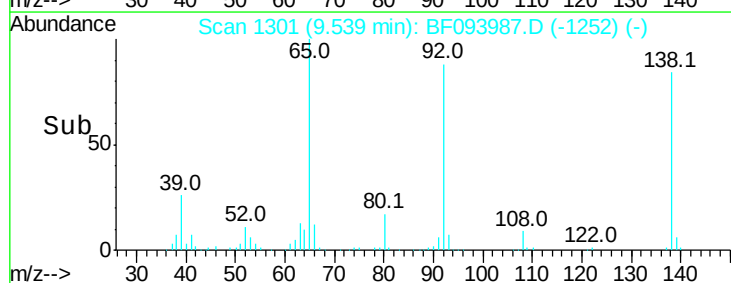
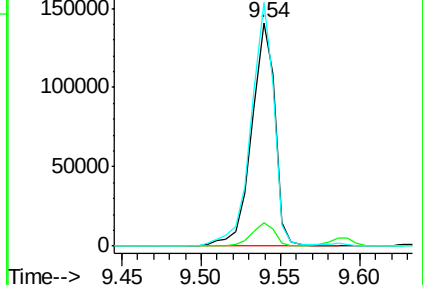
Tgt Ion:	138	Resp:	143461
Ion Ratio	Lower	Upper	
138	100		
108	10.8	9.1	13.7
92	109.1	93.8	140.6

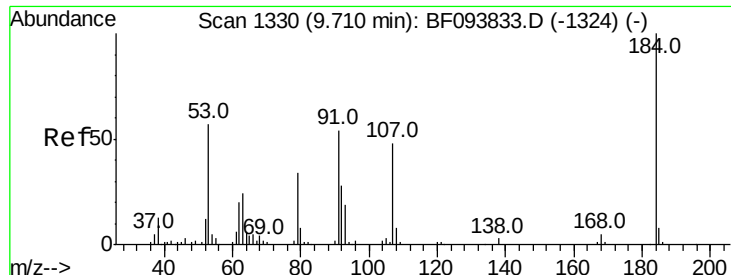


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





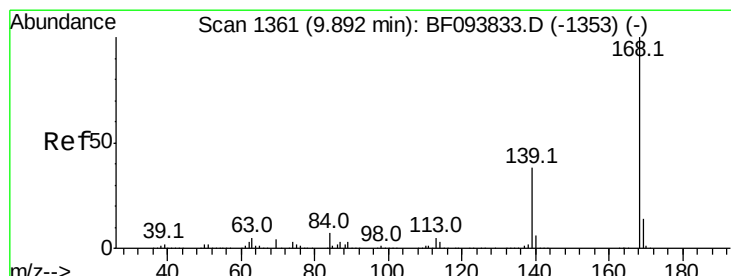
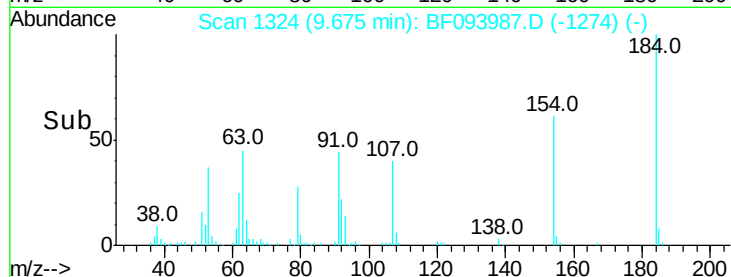
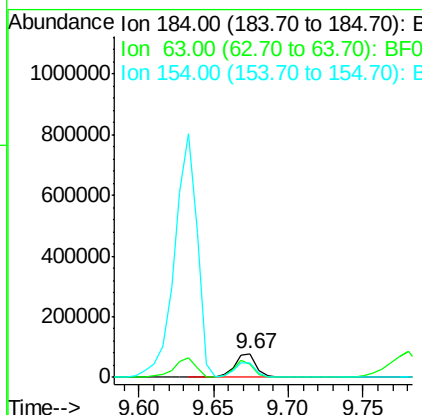
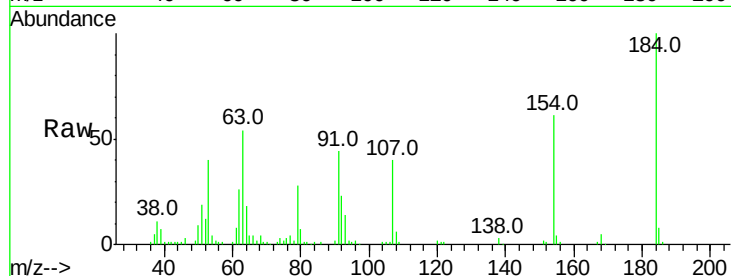
#53
2,4-Dinitrophenol
Concen: 33.29 ng
RT: 9.67 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion:184 Resp: 80807
Ion Ratio Lower Upper
184 100
63 54.3 62.7 94.1#
154 61.5 81.1 121.7#

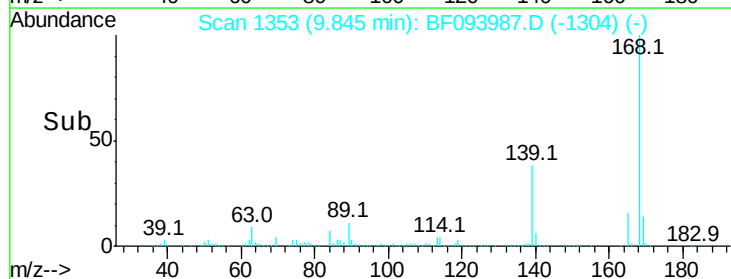
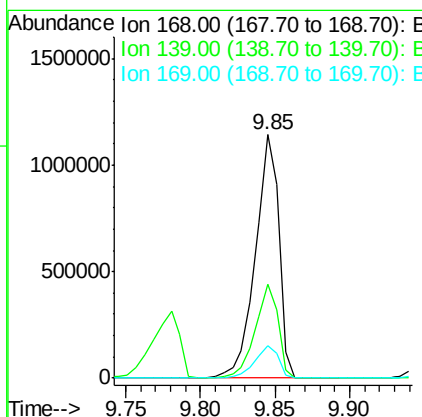
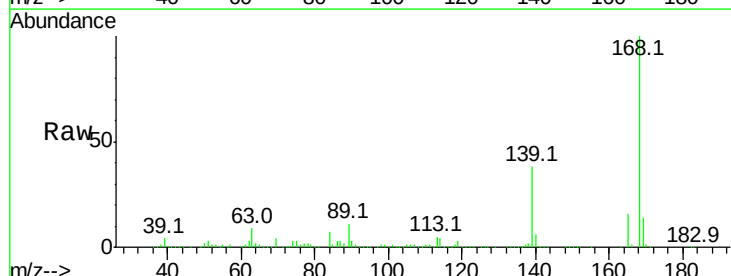
Manual Integrations
APPROVED

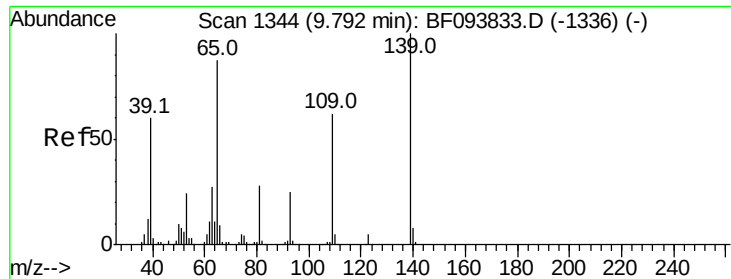
mohammad
3/28/2017 3:43:45 PM



#54
Dibenzofuran
Concen: 48.32 ng
RT: 9.85 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion:168 Resp: 1227689
Ion Ratio Lower Upper
168 100
139 38.5 30.6 45.8
169 13.5 10.8 16.2





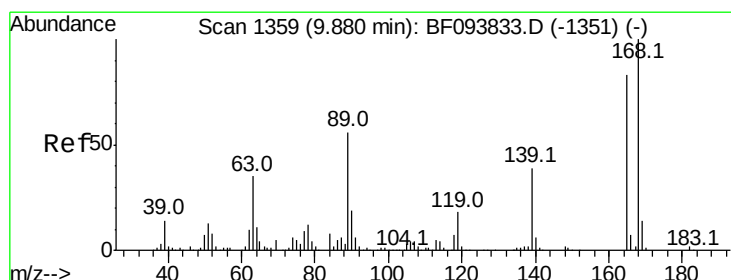
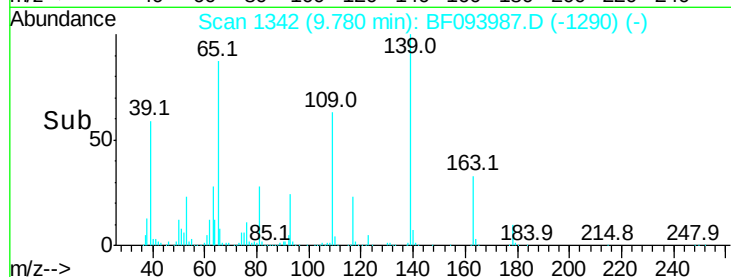
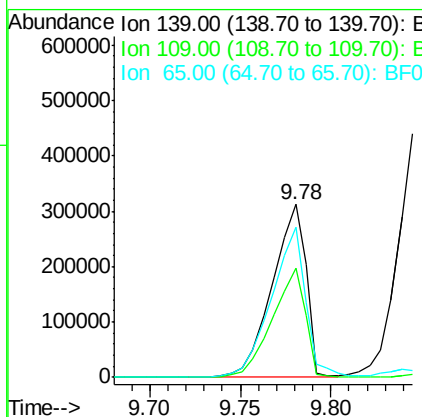
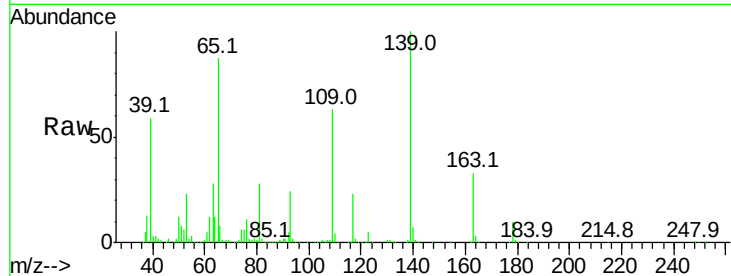
#55
4-Nitrophenol
Concen: 89.08 ng
RT: 9.78 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampled :
S-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	62.9	34.1	74.1	
65	87.3	31.4	71.4	

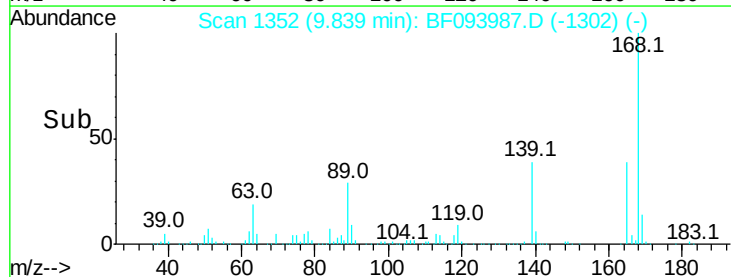
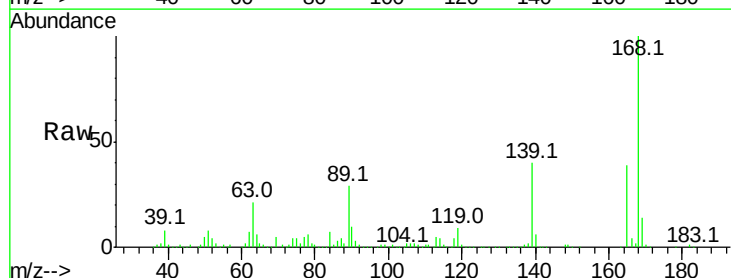
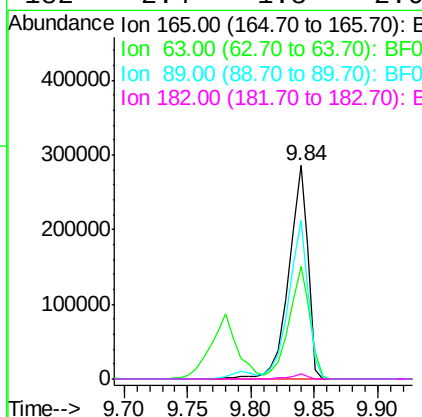
Manual Integrations
APPROVED

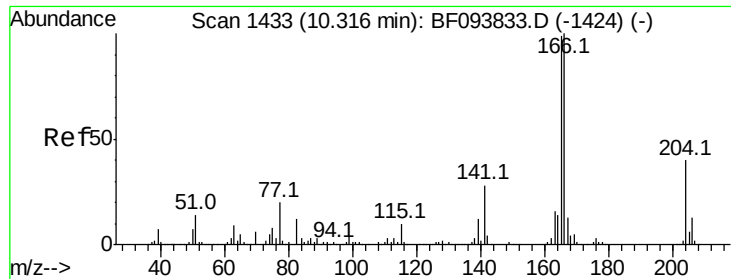
mohammad
3/28/2017 3:43:45 PM



#56
2,4-Dinitrotoluene
Concen: 48.50 ng
RT: 9.84 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	53.0	25.4	38.0	
89	74.4	46.4	69.6	
182	2.4	1.8	2.6	





#57

Fluorene

Concen: 42.76 ng

RT: 10.27 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

ClientSampled :

S-3MSD

Tot Ion:166 Resp: 900887

Ion Ratio Lower Upper

166 100

165 98.2 78.8 118.2

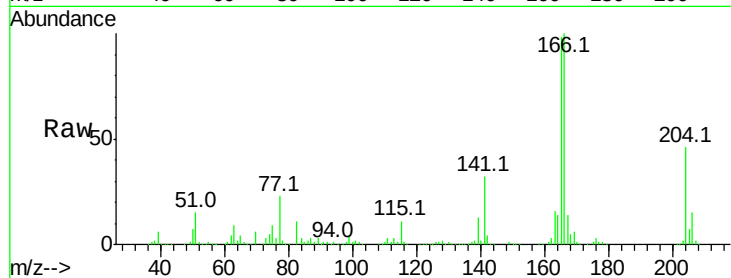
167 13.6 10.6 16.0

Manual Integrations

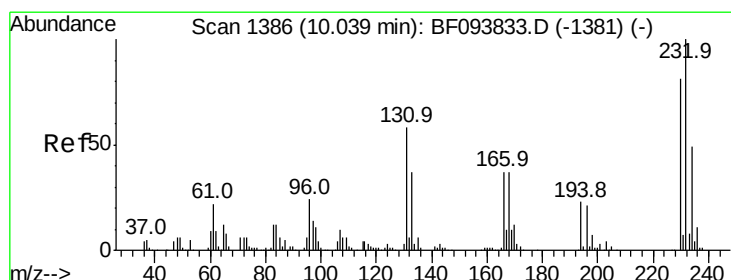
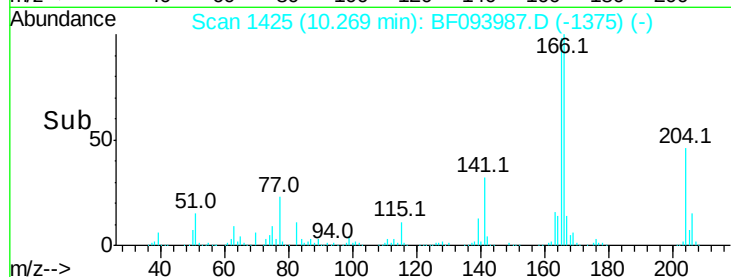
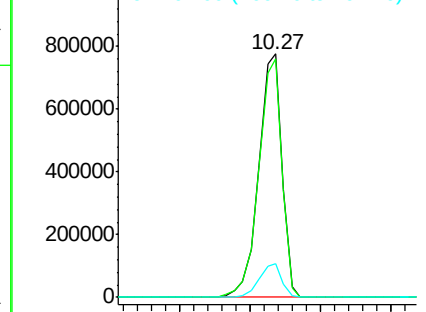
APPROVED

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.78 ng

RT: 10.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:232 Resp: 226813

Ion Ratio Lower Upper

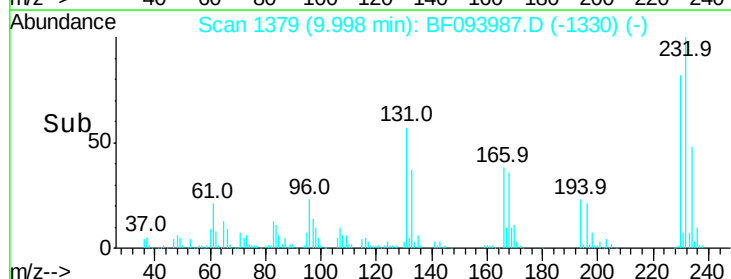
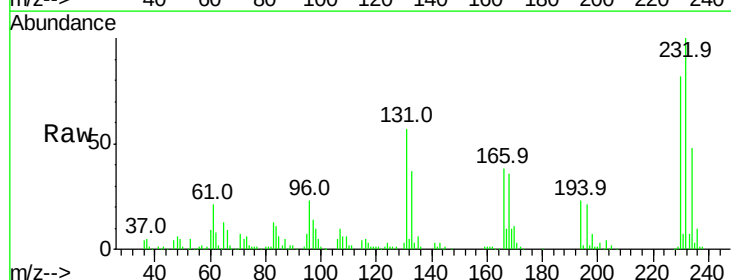
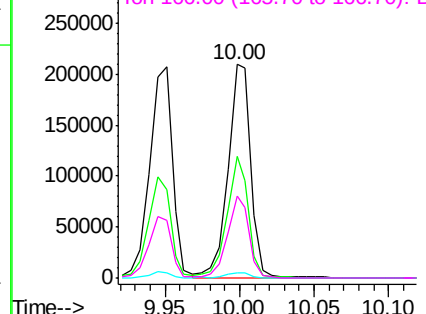
232 100

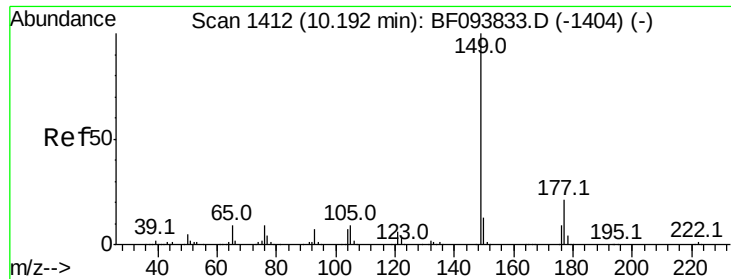
131 53.9 44.8 67.2

130 2.8 2.3 3.5

166 36.6 29.0 43.4

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





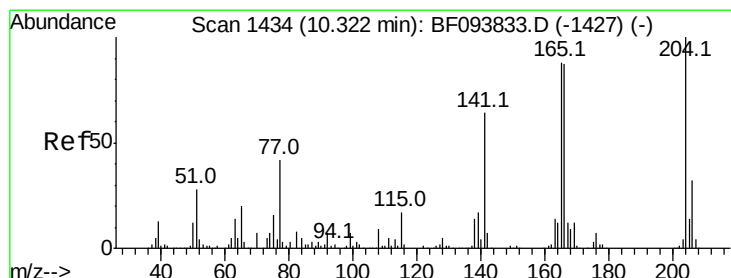
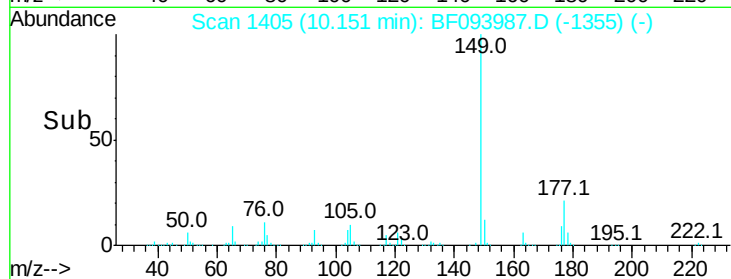
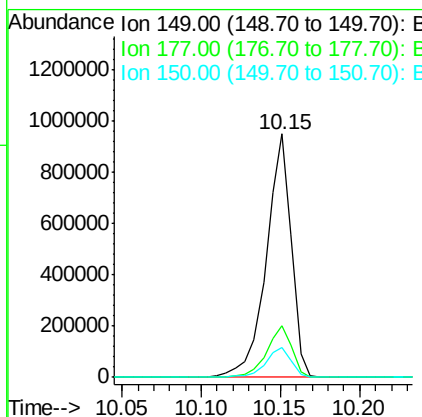
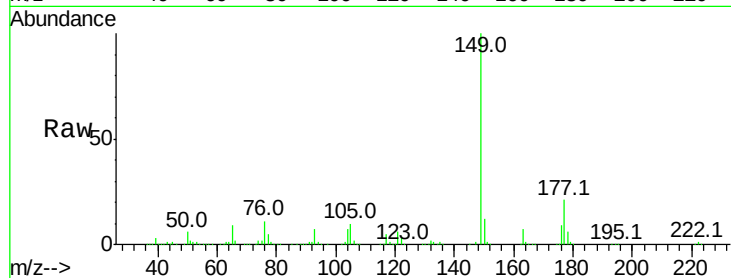
#59
Diethylphthalate
Concen: 48.89 ng
RT: 10.15 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion:149 Resp: 1046950
Ion Ratio Lower Upper
149 100
177 21.5 16.7 25.1
150 12.3 10.2 15.2

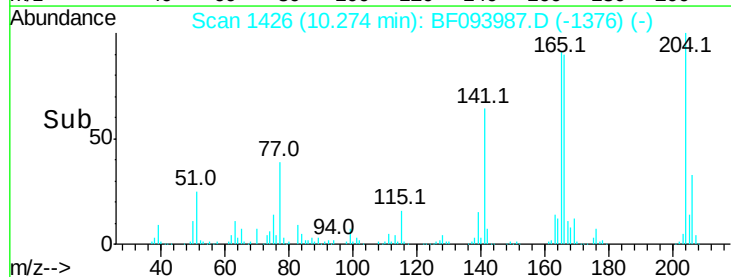
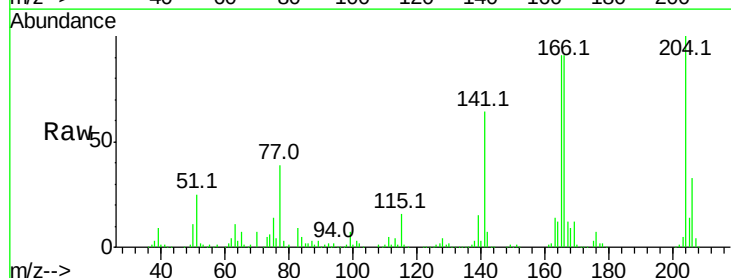
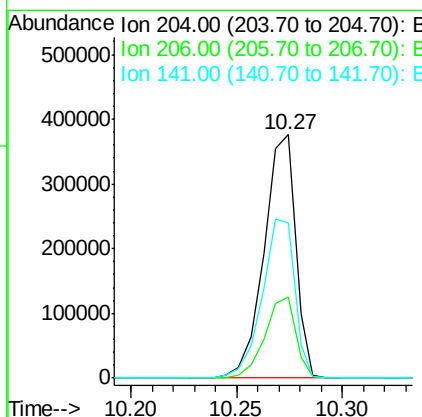
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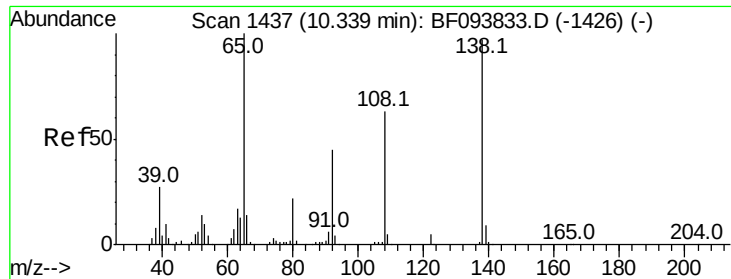
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 43.90 ng
RT: 10.27 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion:204 Resp: 393994
Ion Ratio Lower Upper
204 100
206 33.1 26.2 39.2
141 63.6 60.8 91.2





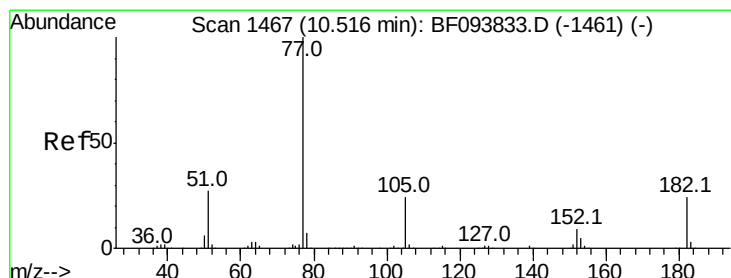
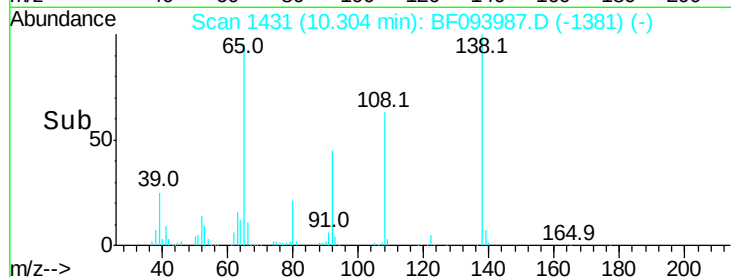
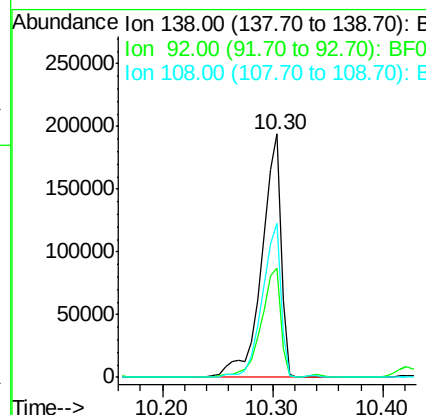
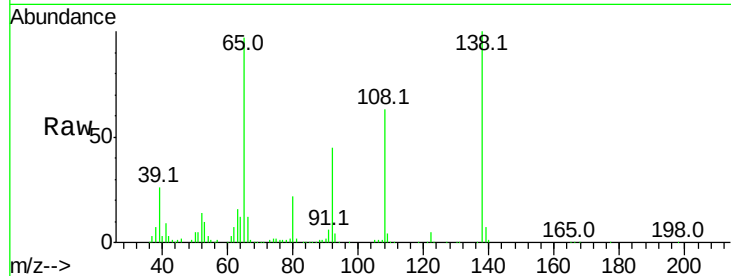
#61
4-Nitroaniline
Concen: 42.95 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampled :
S-3MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	45.0	21.8	61.8
108	63.4	42.3	82.3

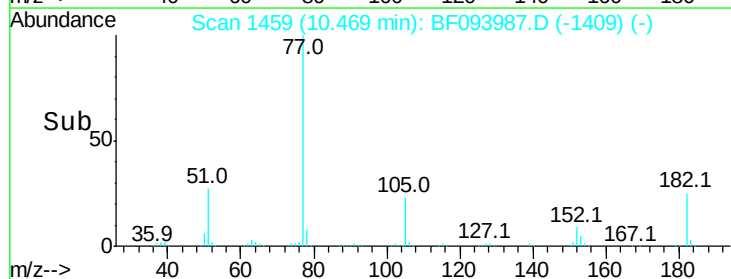
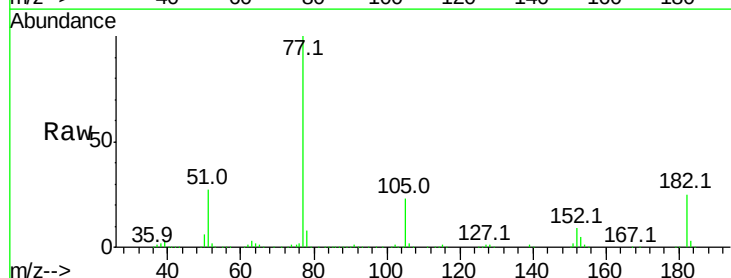
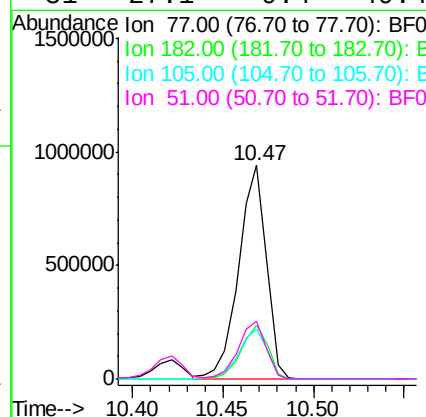
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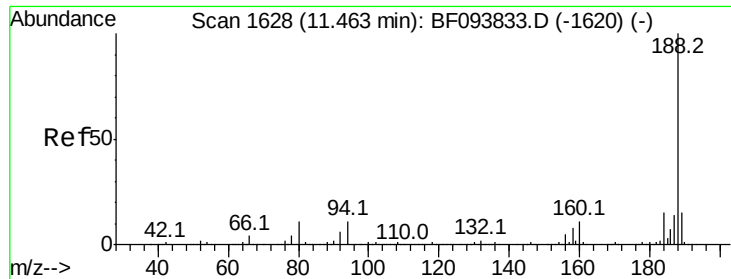
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#62
Azobenzene
Concen: 49.09 ng
RT: 10.47 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.4	0.1	40.1
105	23.5	3.6	43.6
51	27.1	9.4	49.4





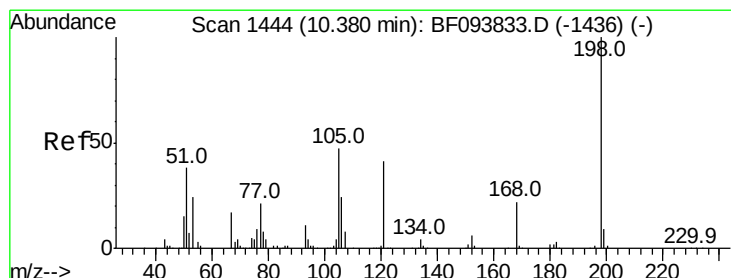
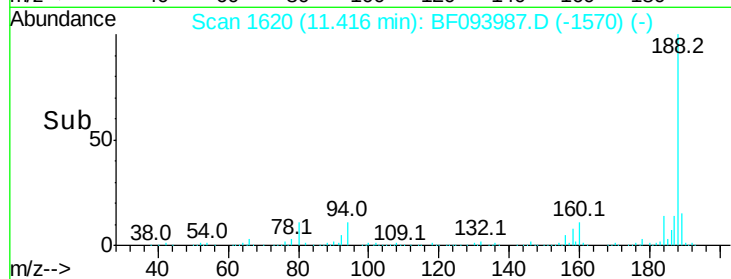
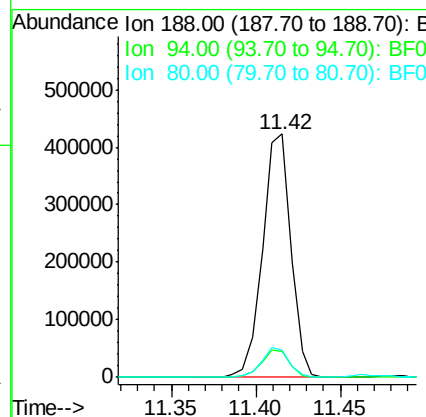
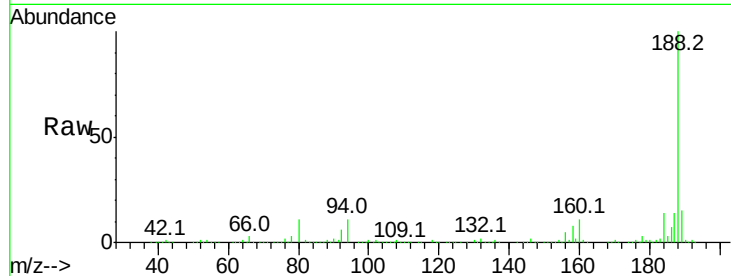
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampled :
 S-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	9.4	14.2	
80	11.1	10.2	15.2	

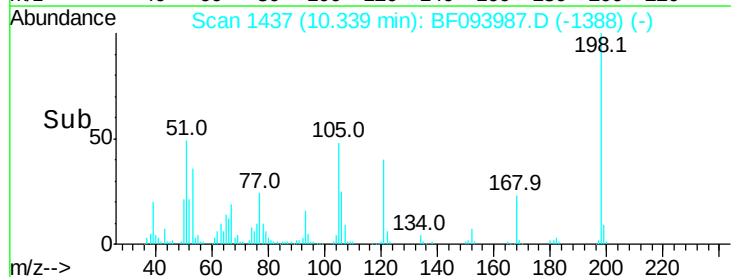
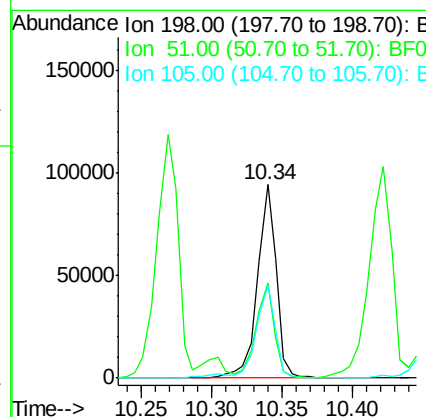
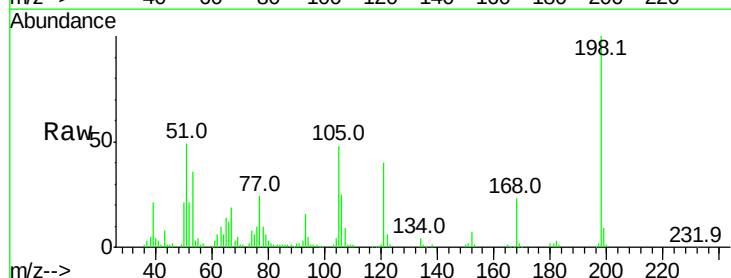
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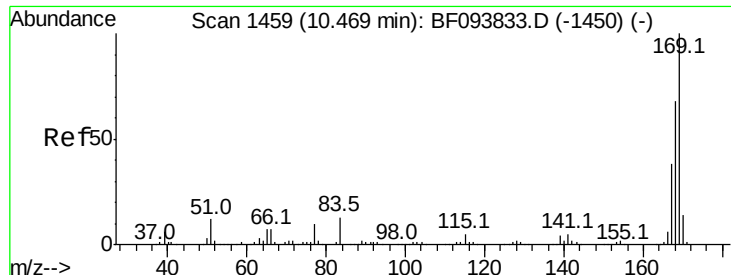
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 29.62 ng
 RT: 10.34 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	49.0	53.2	93.2#	
105	48.1	45.8	85.8	





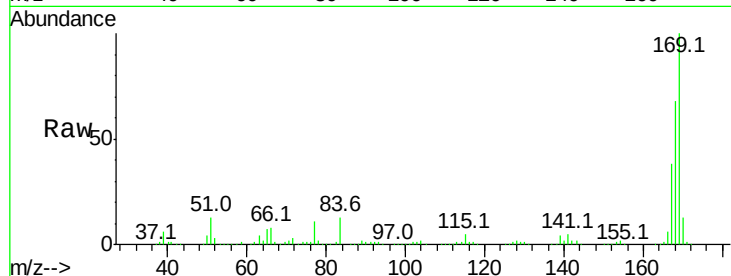
#65
 n-Nitrosodiphenylamine
 Concen: 51.34 ng
 RT: 10.42 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

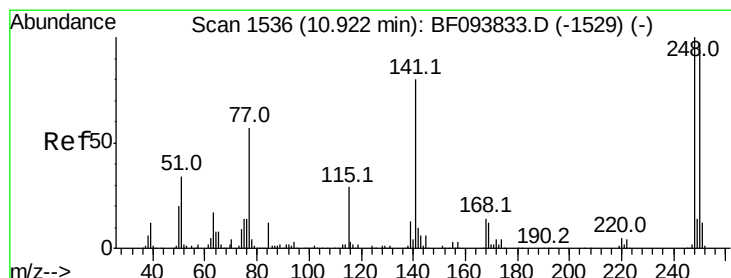
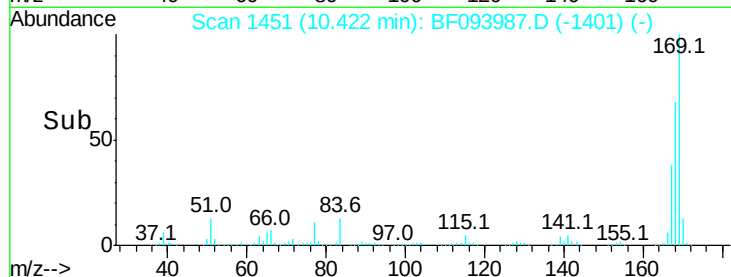
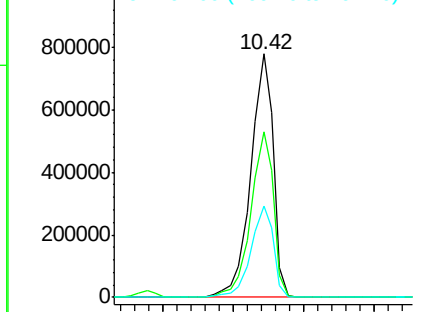
Tot Ion	Ratio	Lower	Upper
169	100		
168	68.1	53.2	79.8
167	37.5	29.5	44.3

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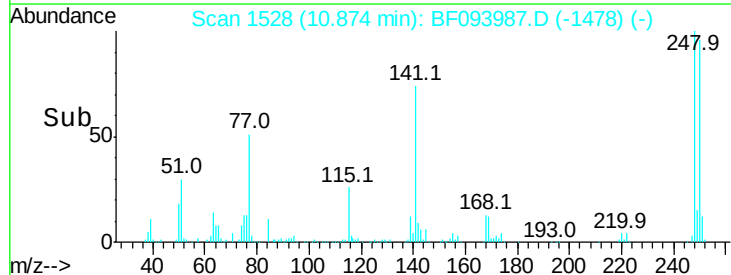
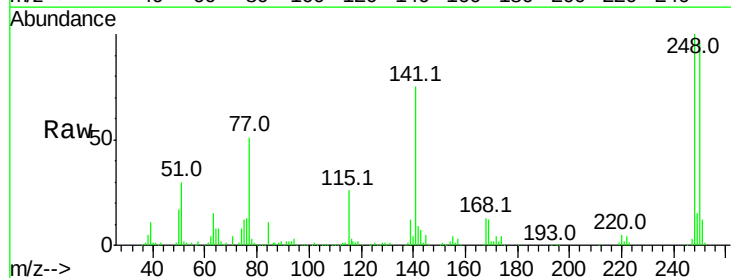
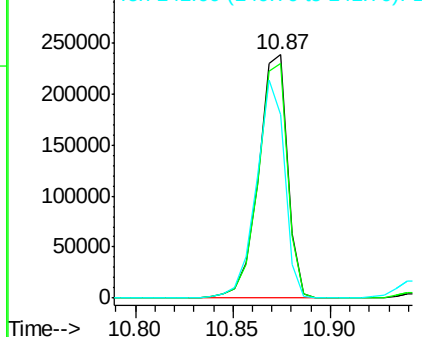
Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

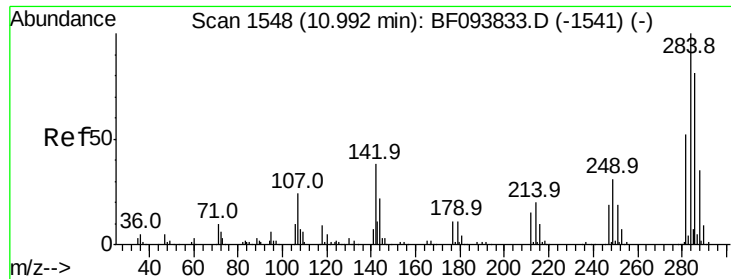


#66
 4-Bromophenyl-phenylether
 Concen: 50.65 ng
 RT: 10.87 min Scan# 1528
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.8	115.2
141	75.2	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: 49.09 ng

RT: 10.95 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

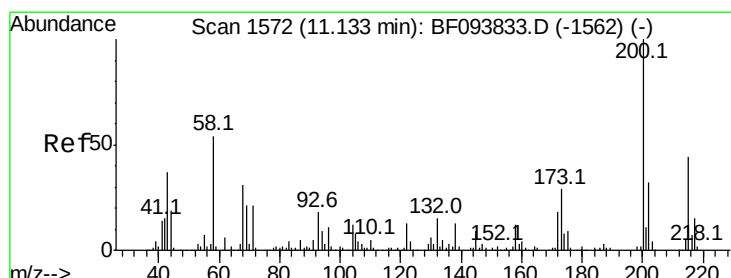
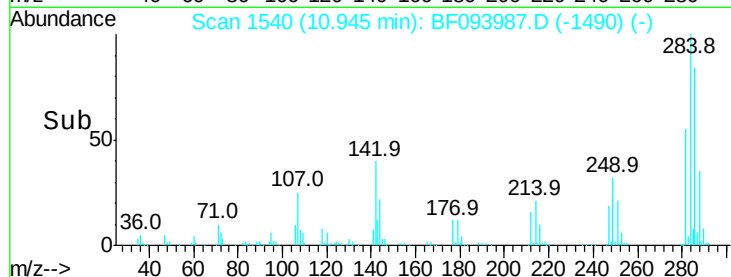
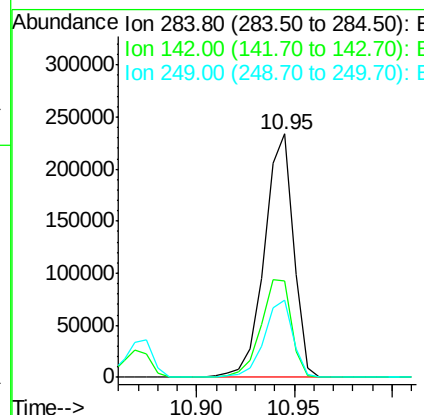
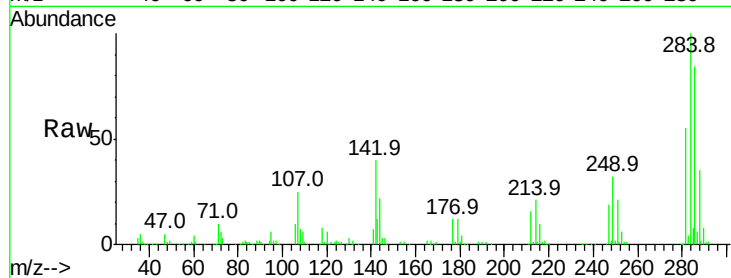
ClientSampleId :

S-3MSD

Tot Ion:	284	Resp:	241068
Ion Ratio	Lower	Upper	
284	100		
142	39.6	22.8	34.2#
249	31.7	24.0	36.0

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#68

Atrazine

Concen: 50.40 ng

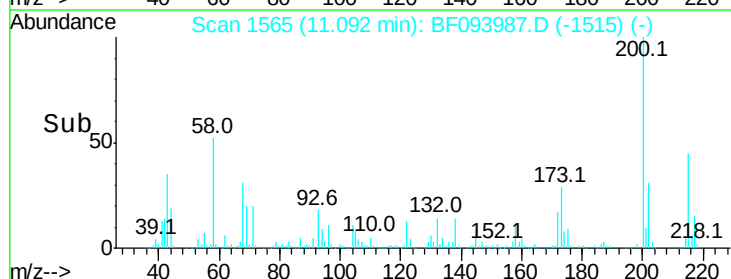
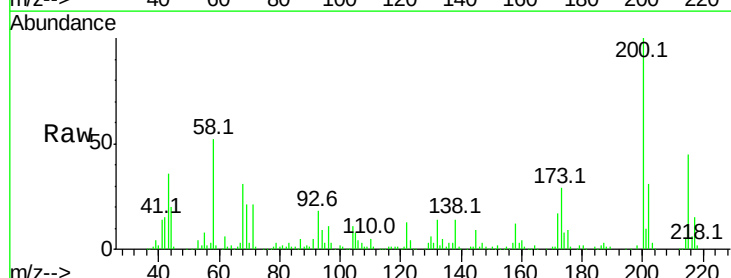
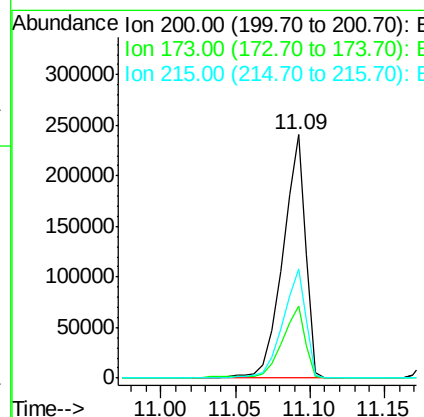
RT: 11.09 min Scan# 1565

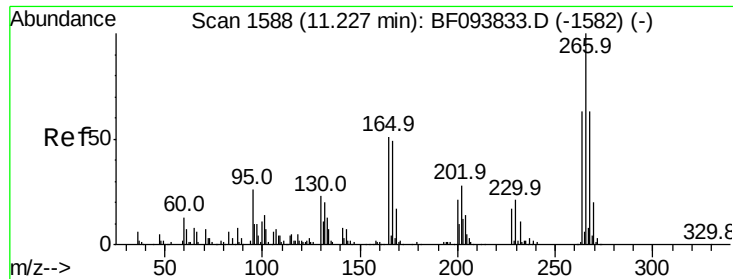
Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	200	Resp:	257487
Ion Ratio	Lower	Upper	
200	100		
173	29.4	6.3	46.3
215	45.0	27.2	67.2





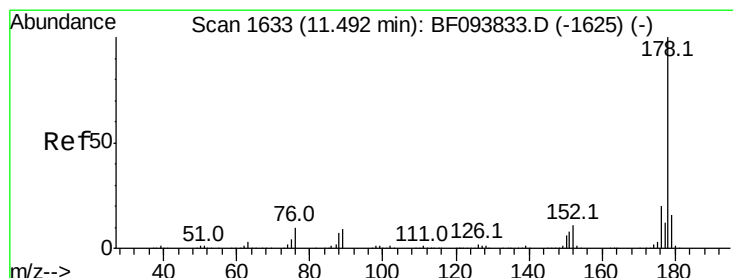
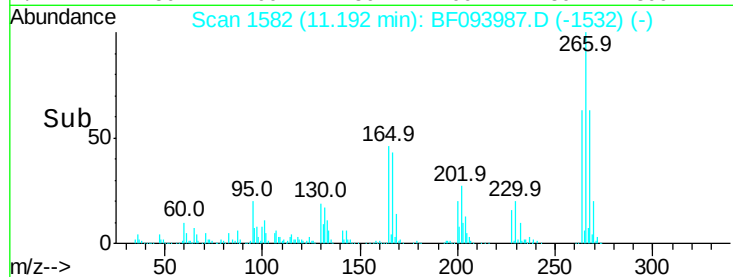
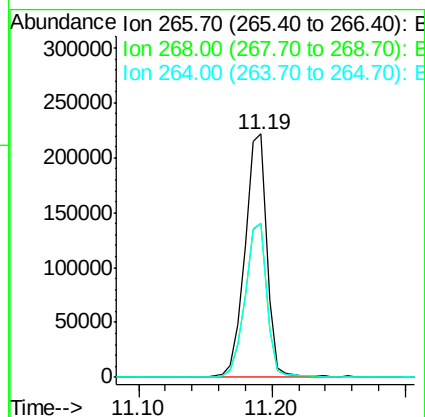
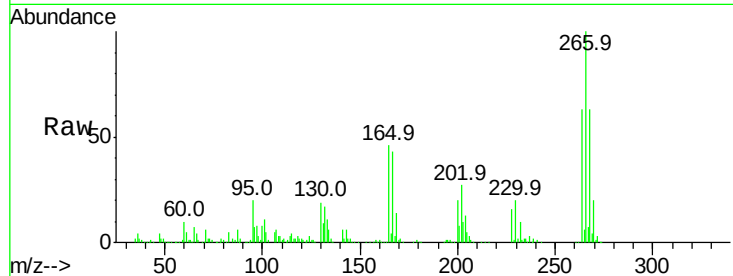
#69
 Pentachlorophenol
 Concen: 82.45 ng
 RT: 11.19 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion:	266	Resp:	251985
Ion Ratio		Lower	Upper
266	100		
268	63.4	51.1	76.7
264	63.3	51.7	77.5

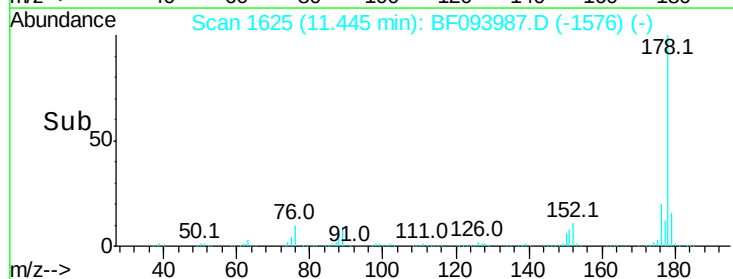
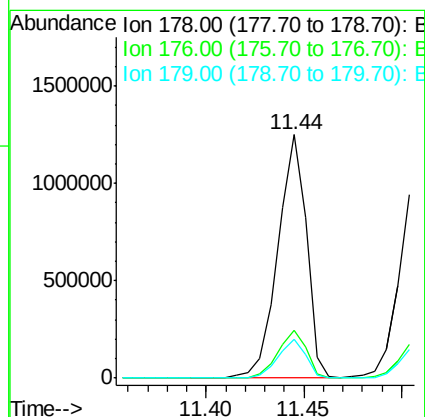
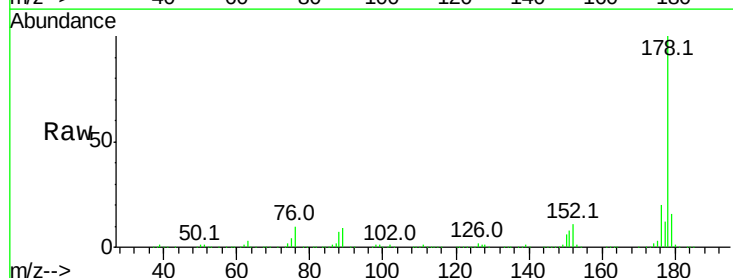
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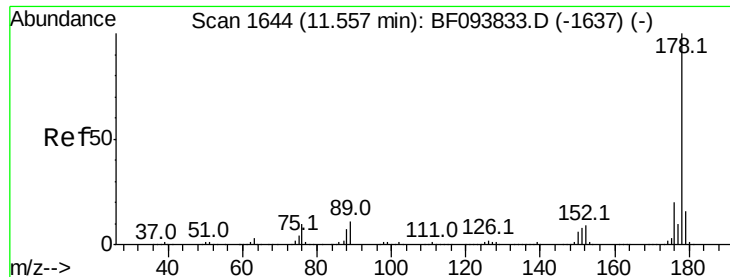
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#70
 Phenanthrene
 Concen: 46.19 ng
 RT: 11.44 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion:	178	Resp:	1267167
Ion Ratio		Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.9	12.6	19.0





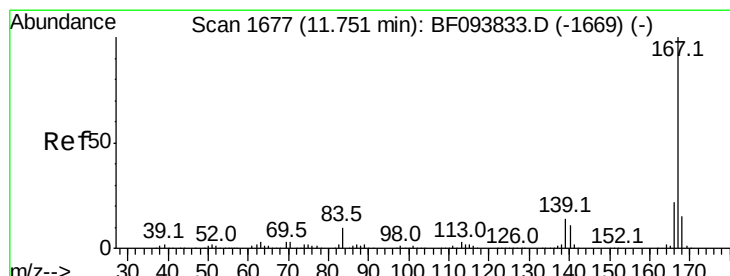
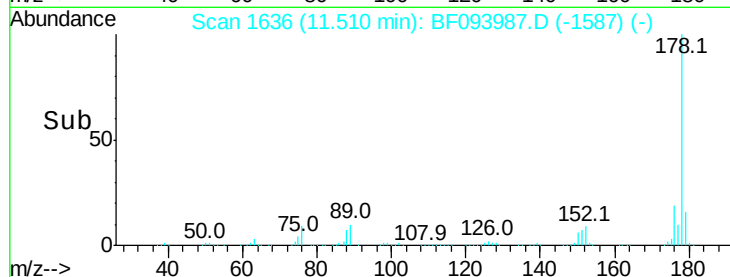
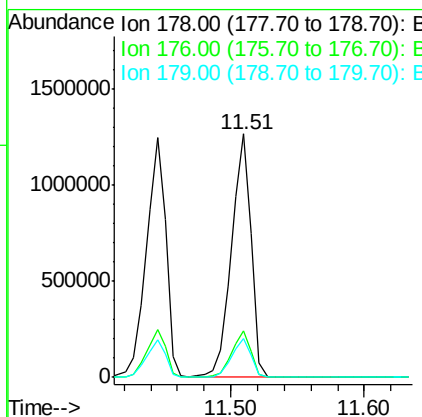
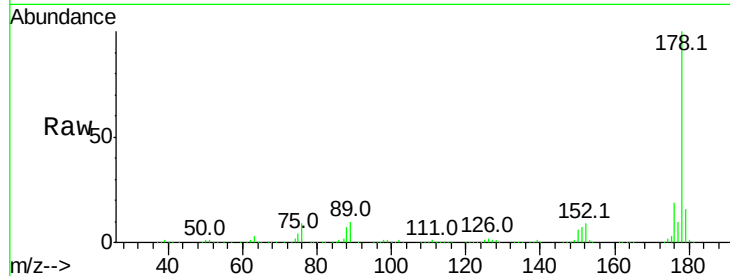
#71
 Anthracene
 Concen: 46.53 ng
 RT: 11.51 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion:178 Resp: 1314462
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.9 12.7 19.1

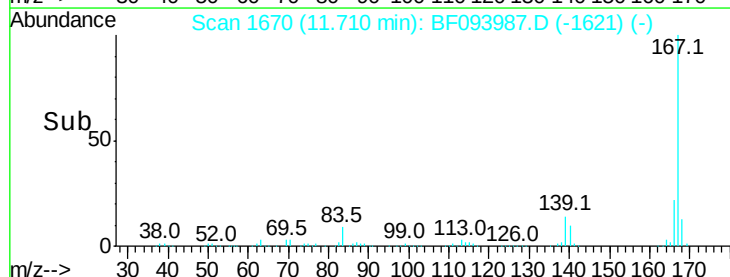
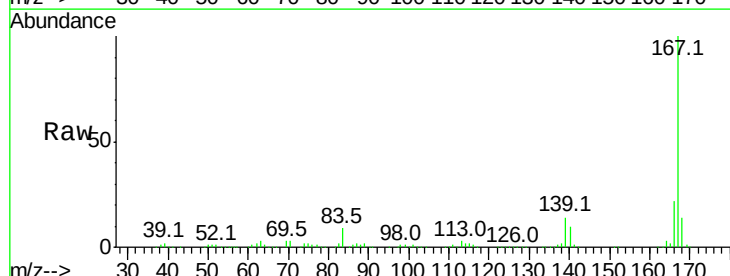
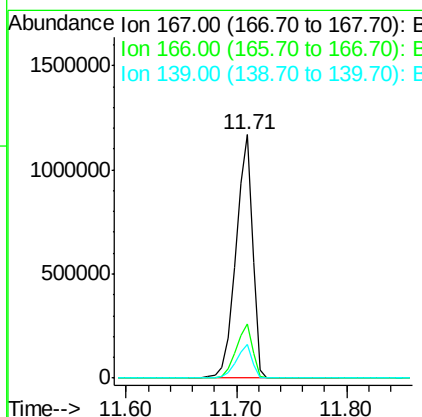
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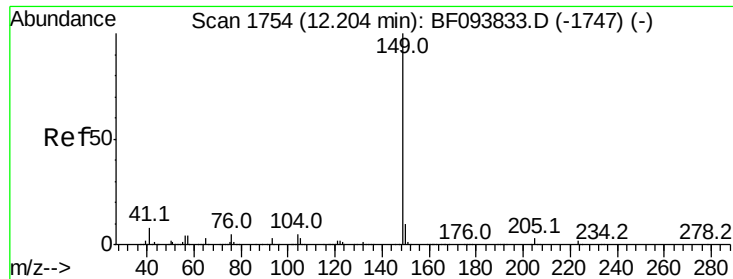
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#72
 Carbazole
 Concen: 42.73 ng
 RT: 11.71 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion:167 Resp: 1237743
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.1 27.1
 139 13.6 11.7 17.5





#73

Di-n-butylphthalate

Concen: 50.68 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

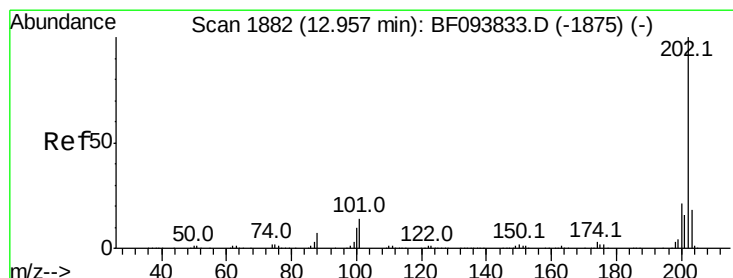
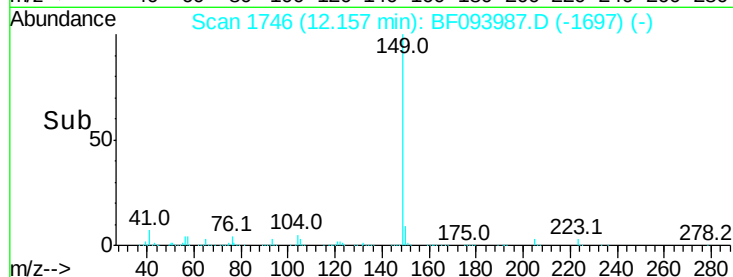
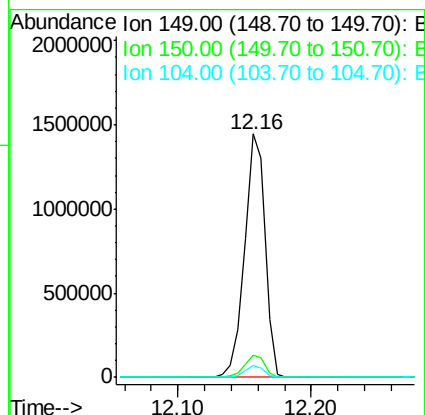
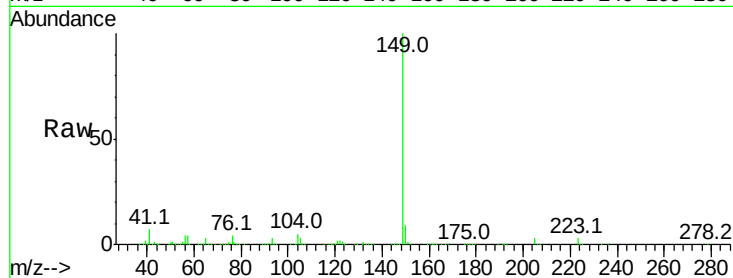
ClientSampleId :

S-3MSD

Tot Ion:	149	Resp:	1526635
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.7	11.5
104	4.8	4.0	6.0

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#74

Fluoranthene

Concen: 41.29 ng

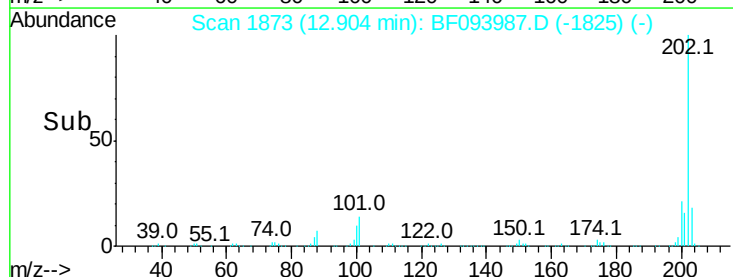
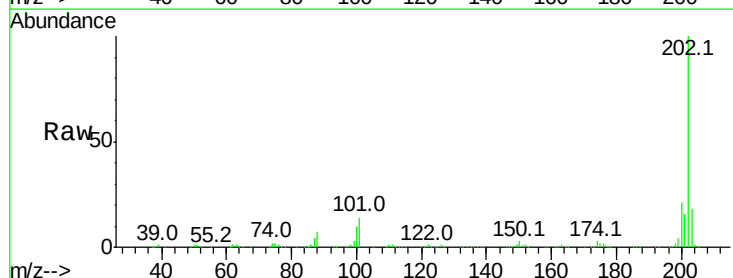
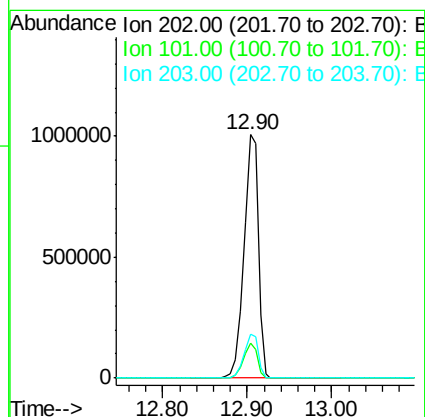
RT: 12.90 min Scan# 1873

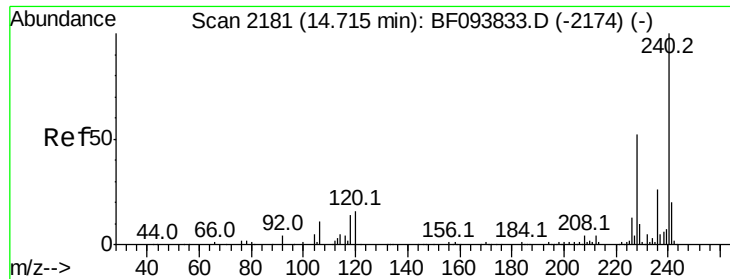
Delta R.T. -0.02 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	202	Resp:	1159928
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	17.8	0.0	38.1





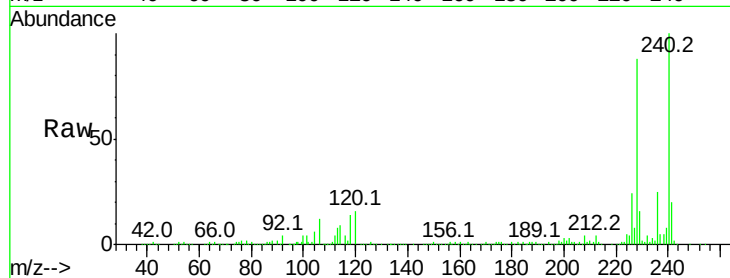
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.66 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

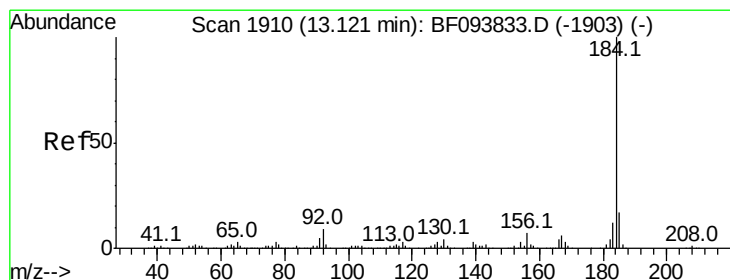
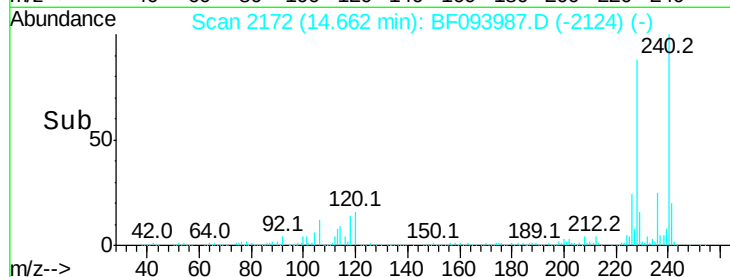
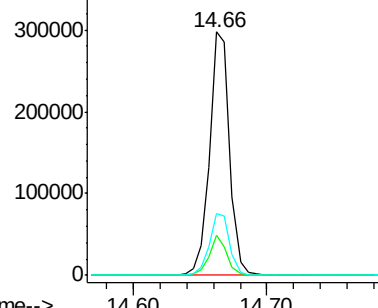
Tot Ion	Ratio	Lower	Upper
240	100		
120	16.4	5.8	8.8#
236	25.4	20.5	30.7

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3/28/2017 3:43:45 PM

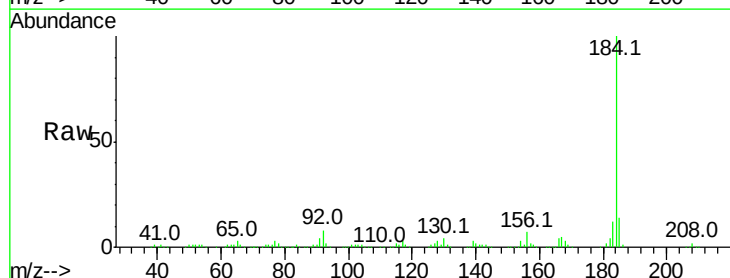


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

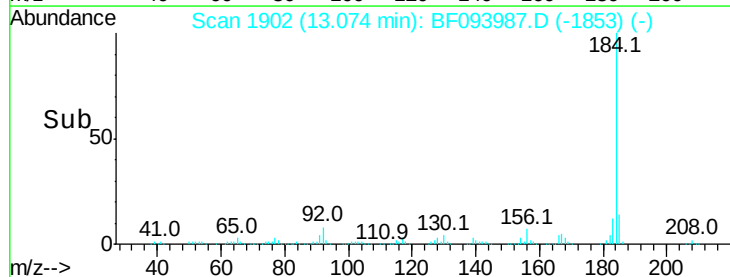
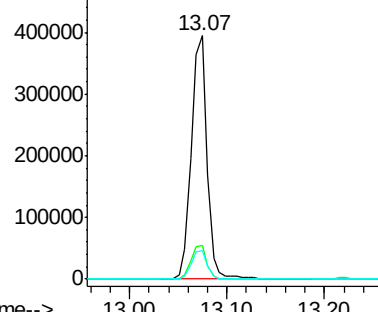


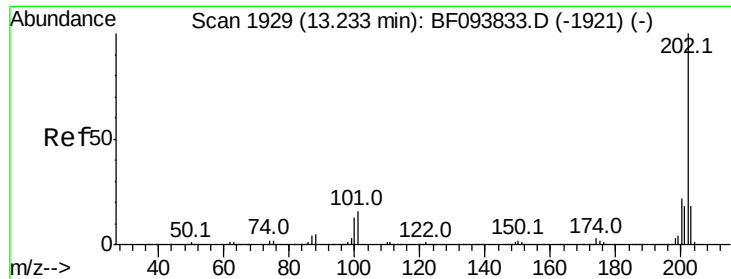
#76
Benzidine
Concen: 35.85 ng
RT: 13.07 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.8	15.5	23.3#
183	11.7	9.8	14.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





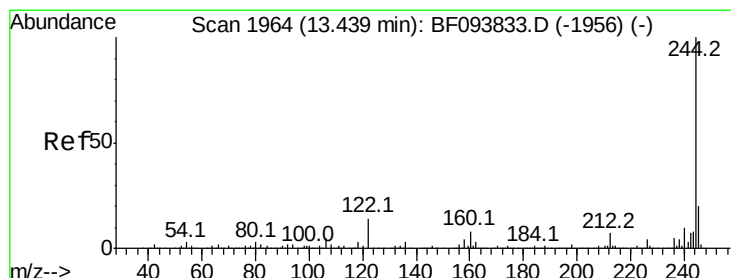
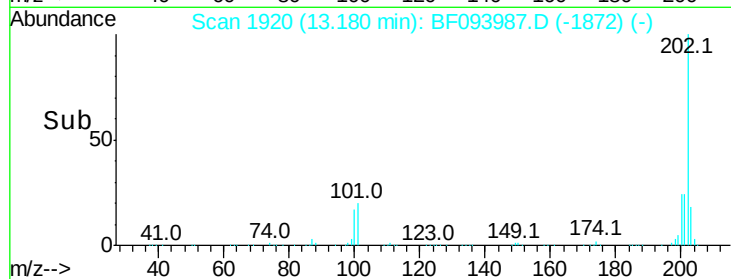
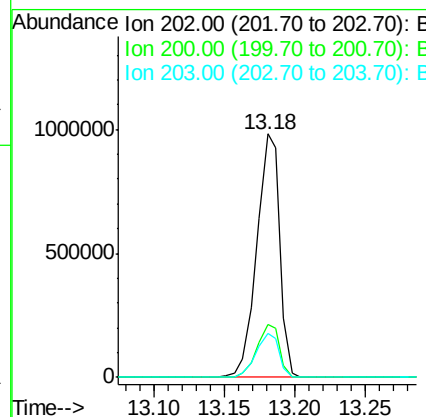
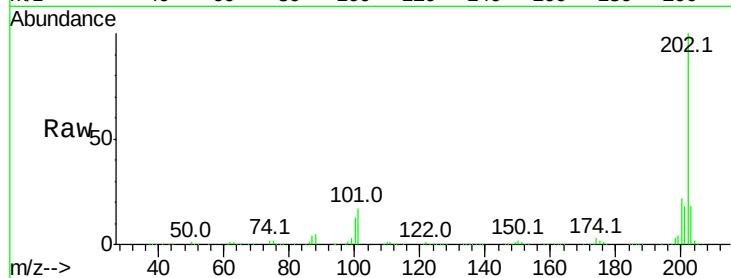
#77
 Pvrene
 Concen: 49.76 ng
 RT: 13.18 min Scan# 1920
 Delta R.T. -0.02 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	18.0	14.4	21.6

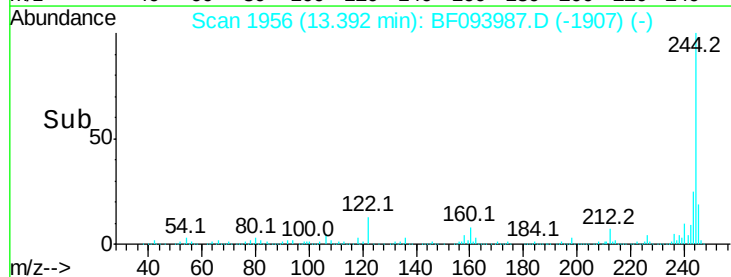
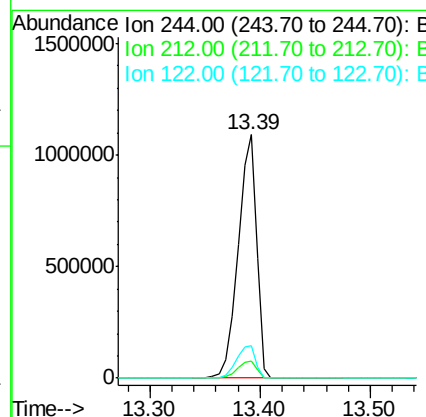
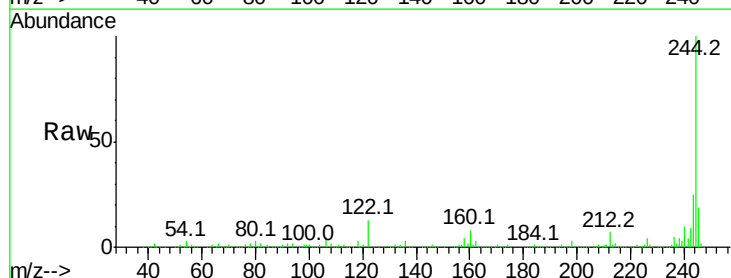
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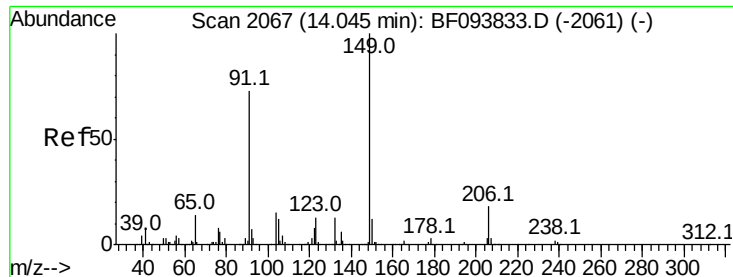
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#78
 Terphenyl-d14
 Concen: 91.84 ng
 RT: 13.39 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.3	10.3	15.5





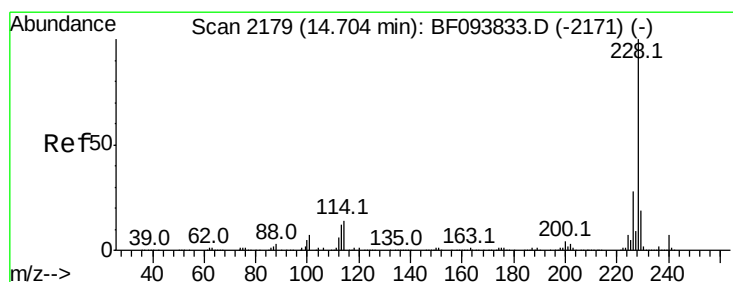
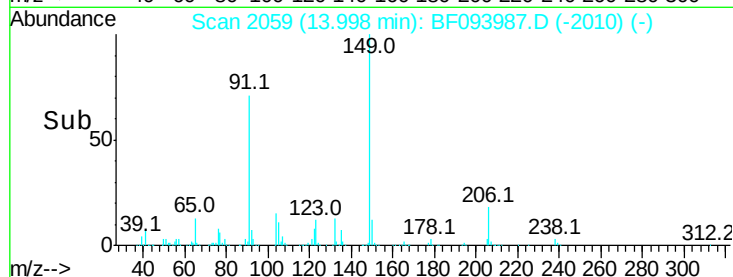
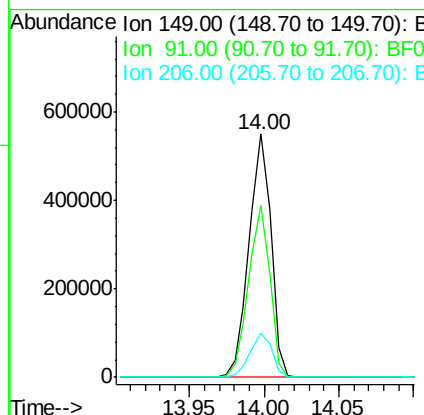
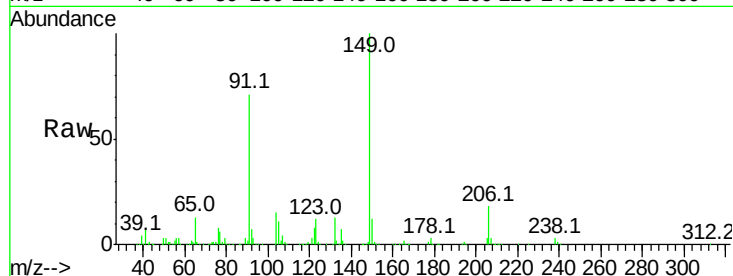
#79
Butylbenzylphthalate
Concen: 57.86 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampled :
S-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	558680		
91	70.7	45.0	67.4#	
206	17.9	17.0	25.6	

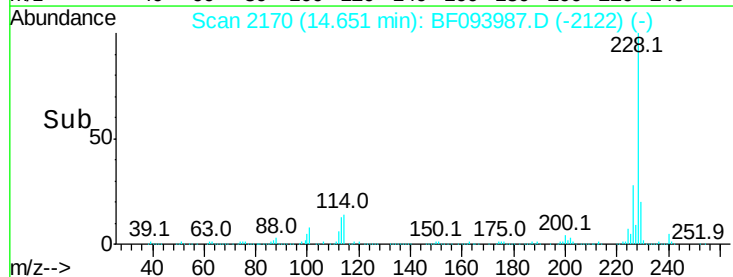
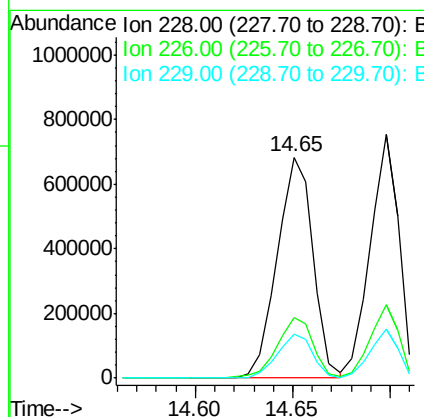
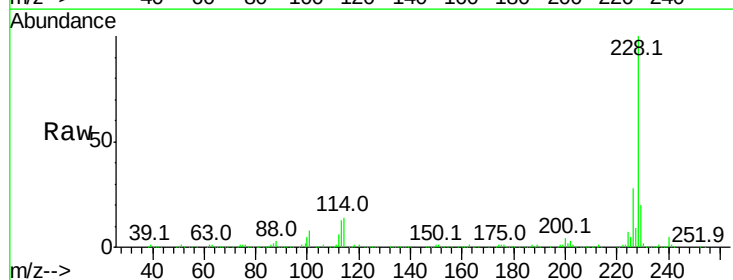
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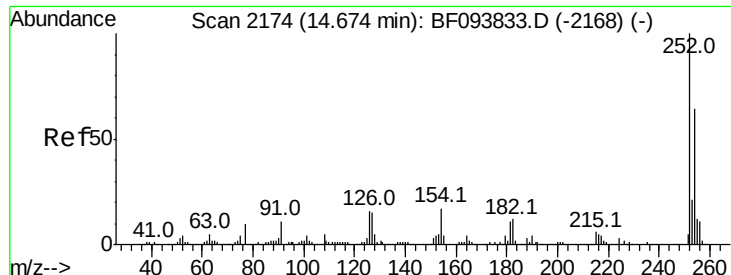
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#80
Benzo(a)anthracene
Concen: 47.47 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	864367		
226	27.6	22.6	33.8	
229	19.8	16.3	24.5	





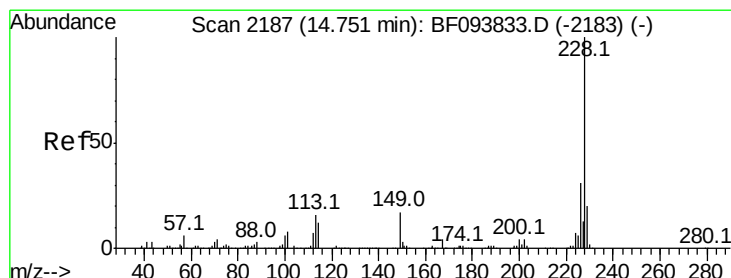
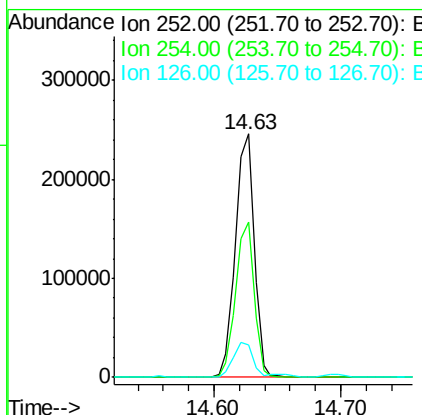
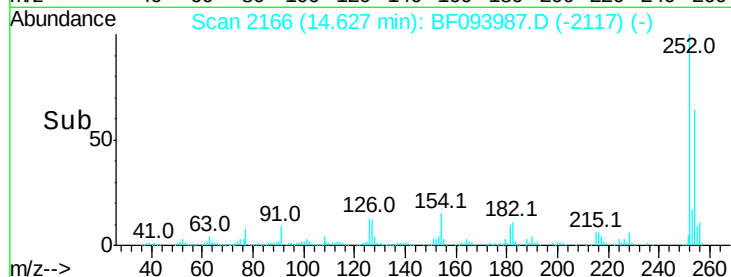
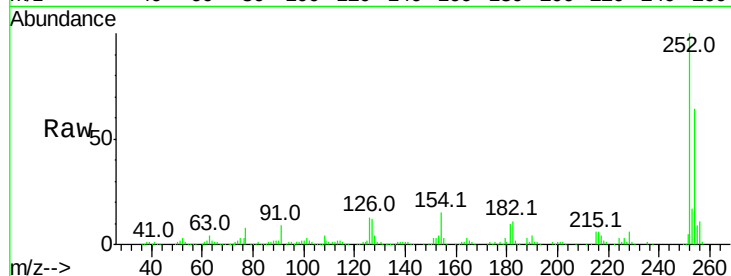
#81
 3,3'-Dichlorobenzidine
 Concen: 38.67 ng
 RT: 14.63 min Scan# 2166
 Delta R.T. -0.01 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.0	51.5	77.3
126	13.5	15.8	23.8

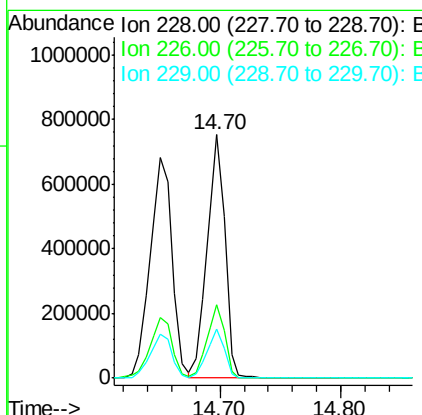
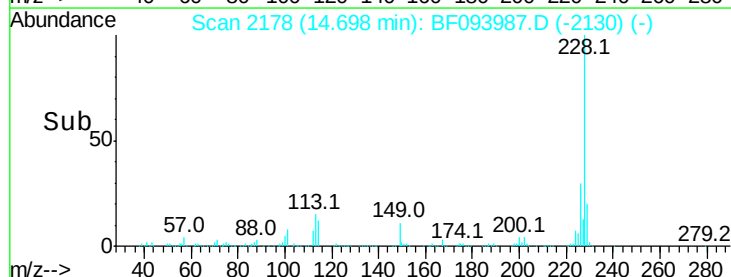
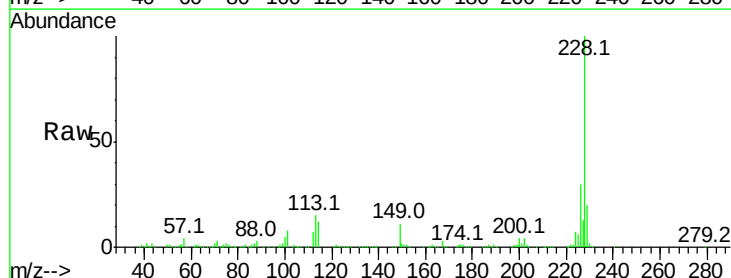
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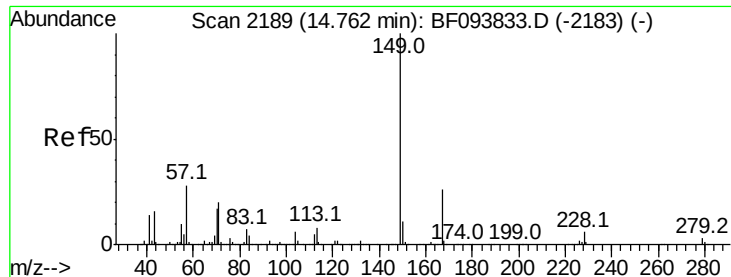
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#82
 Chrysene
 Concen: 45.46 ng
 RT: 14.70 min Scan# 2178
 Delta R.T. -0.02 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.3	24.9	37.3
229	20.0	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 57.50 ng

RT: 14.72 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

ClientSampleId :

S-3MSD

Tot Ion:149 Resp: 757578

Ion Ratio Lower Upper

149 100

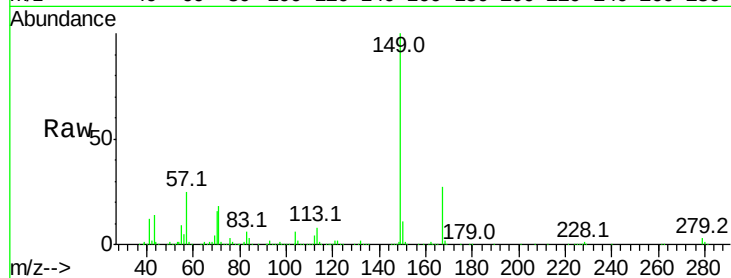
167 26.5 21.0 31.4

279 3.3 1.9 2.9#

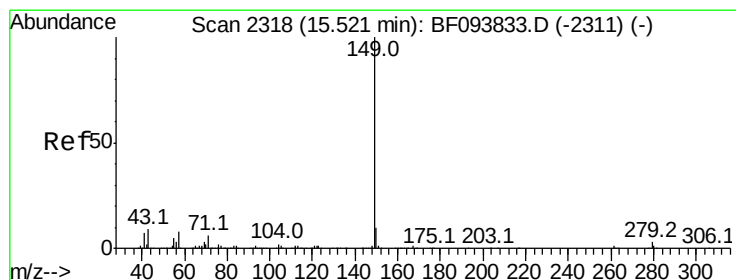
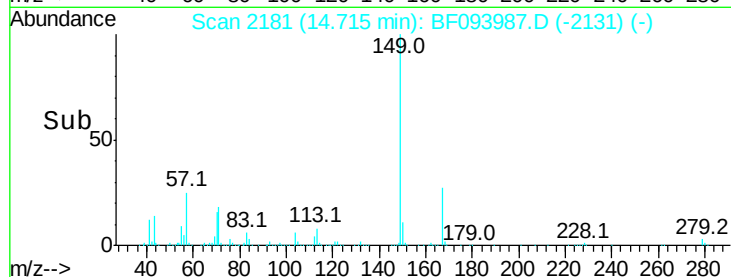
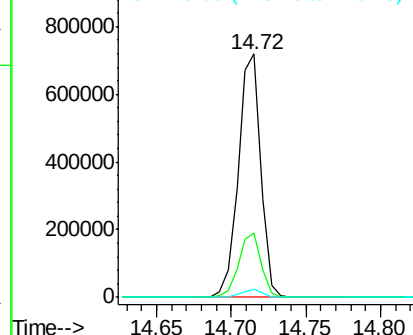
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 54.11 ng

RT: 15.47 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

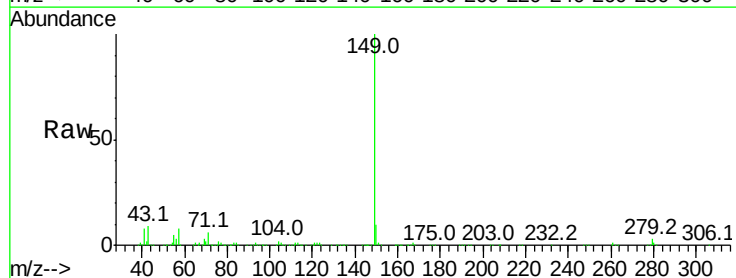
Tgt Ion:149 Resp: 1190782

Ion Ratio Lower Upper

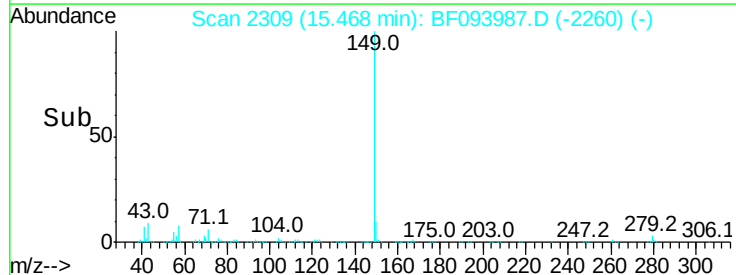
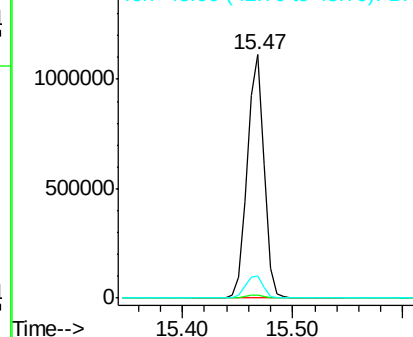
149 100

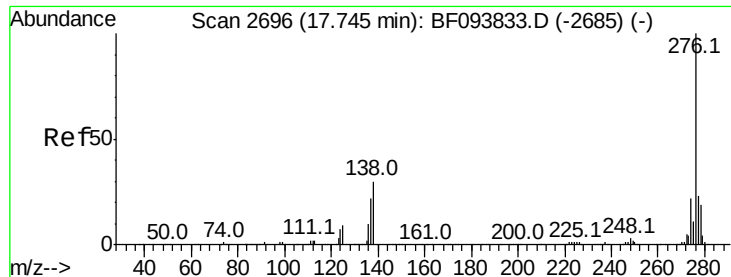
167 1.5 1.2 1.8

43 9.7 8.5 12.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 52.34 ng

RT: 17.67 min Scan# 2683

Delta R.T. -0.02 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Instrument :

BNA_F

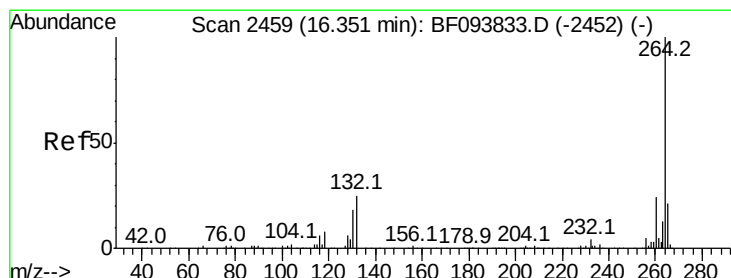
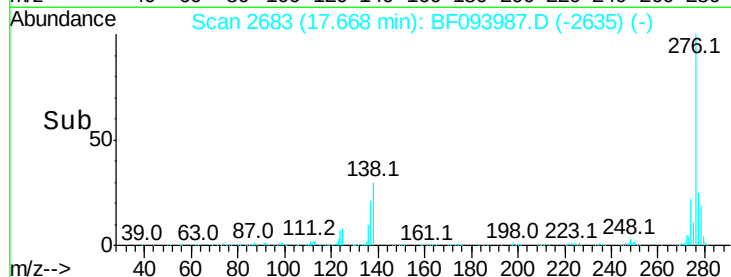
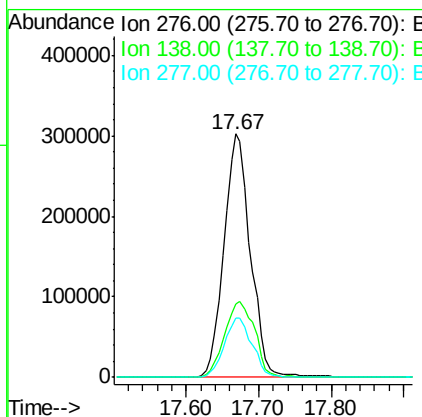
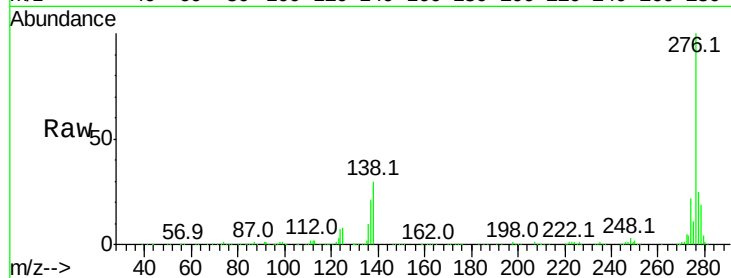
ClientSampleId :

S-3MSD

Tot Ion:	276	Resp:	766041
Ion Ratio	Lower	Upper	
276	100		
138	35.8	27.8	41.6
277	25.6	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

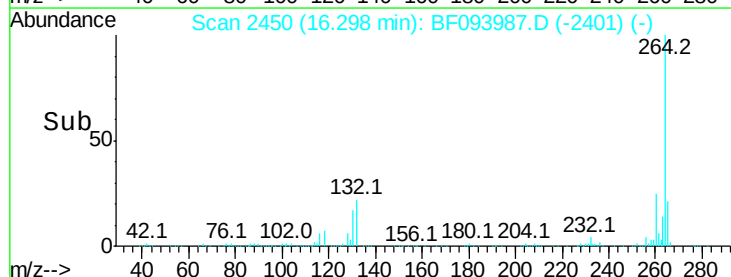
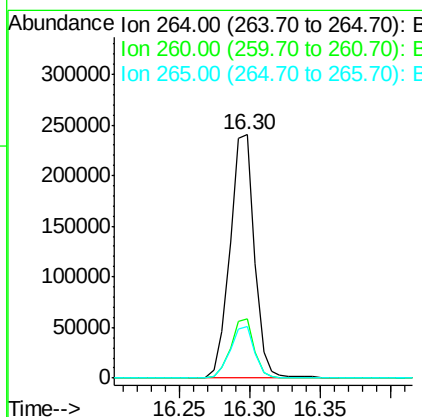
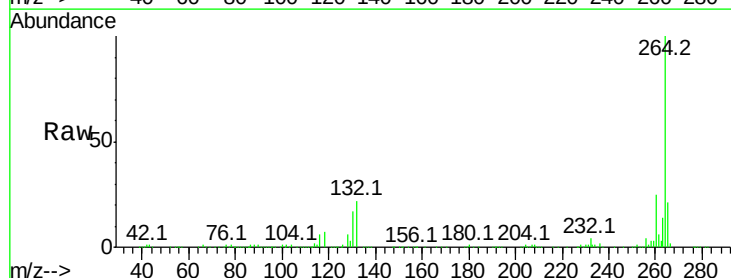
RT: 16.30 min Scan# 2450

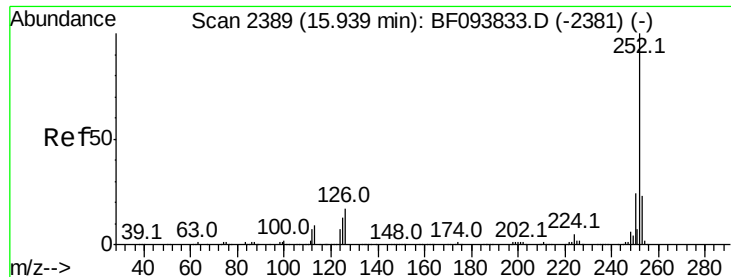
Delta R.T. -0.01 min

Lab File: BF093987.D

Acq: 28 Mar 2017 12:04

Tgt Ion:	264	Resp:	289570
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	21.2	17.2	25.8





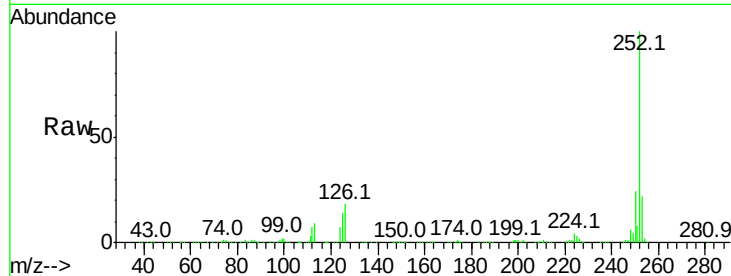
#87
Benzo(b)fluoranthene
Concen: 48.47 ng
RT: 15.89 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

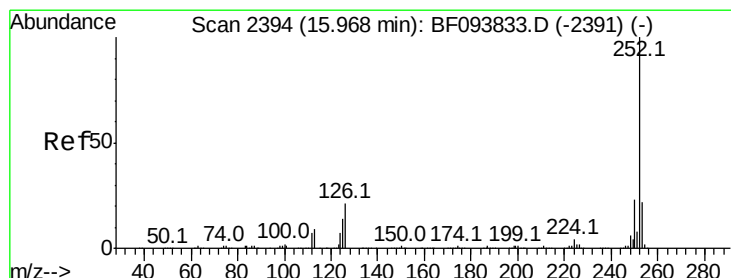
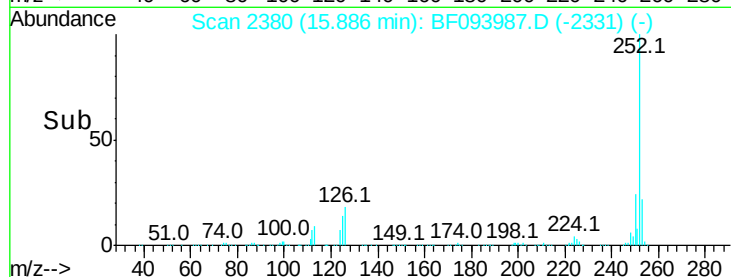
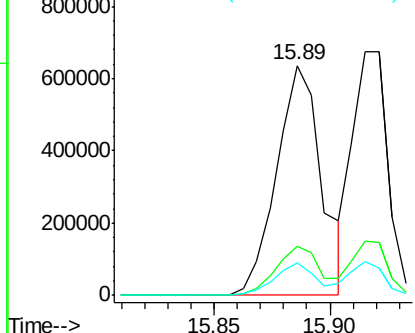
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	13.9	9.8	14.8

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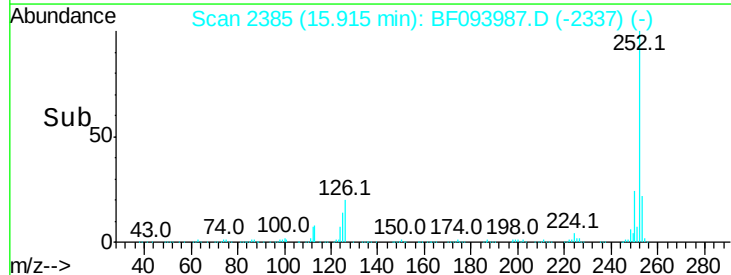
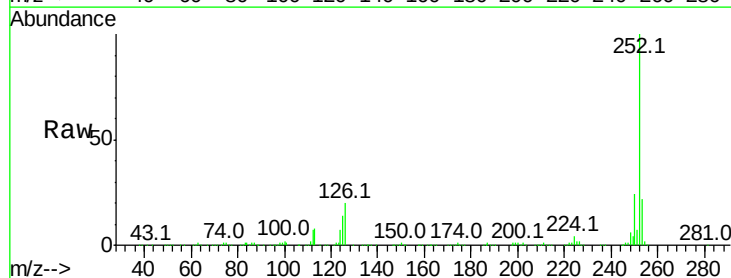
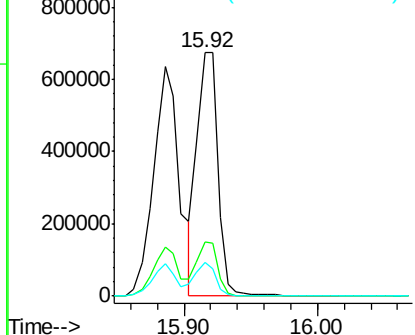
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

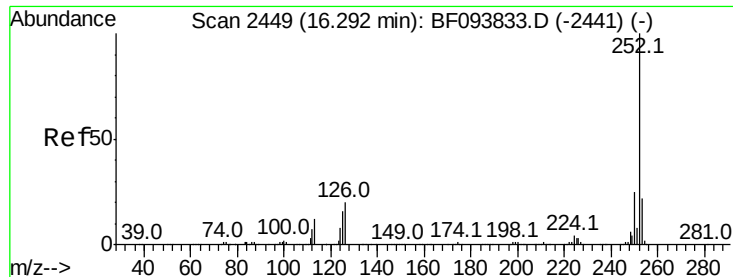


#88
Benzo(k)fluoranthene
Concen: 41.69 ng
RT: 15.92 min Scan# 2385
Delta R.T. -0.02 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	14.0	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





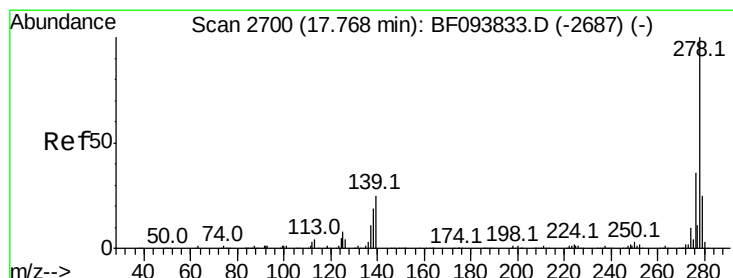
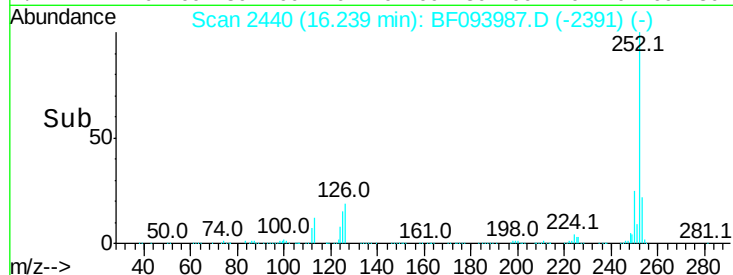
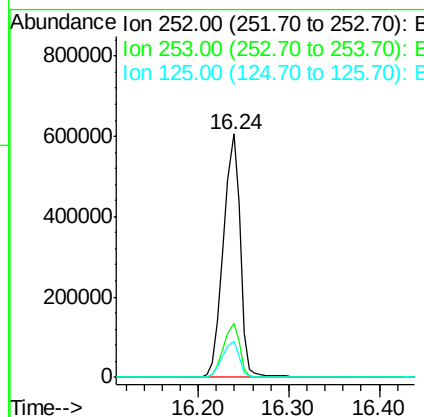
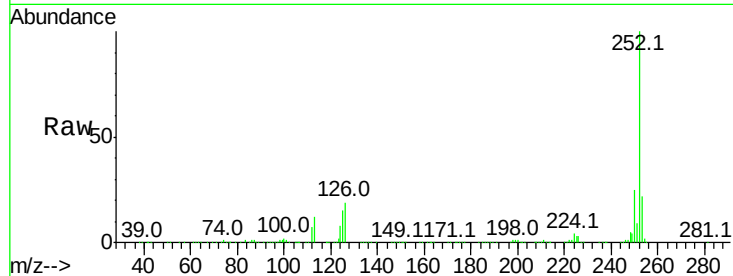
#89
Benzo(a)pyrene
Concen: 47.48 ng
RT: 16.24 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Instrument :
BNA_F
ClientSampleId :
S-3MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	14.7	11.0	16.4

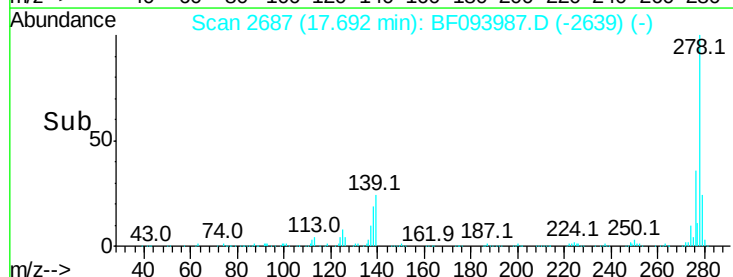
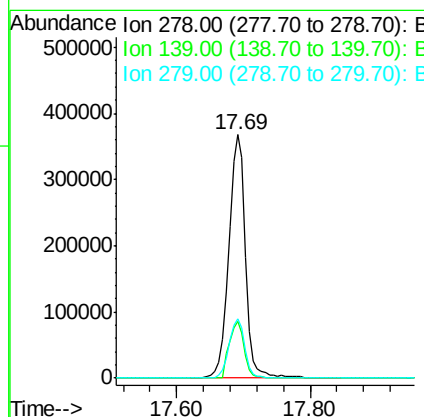
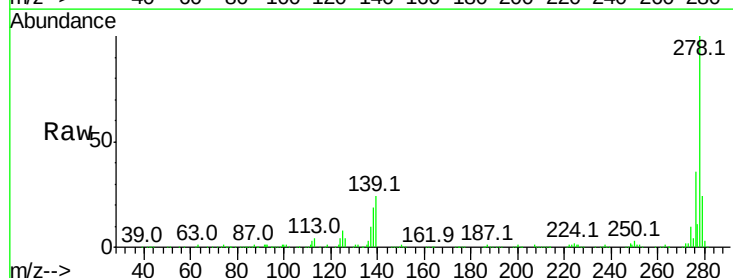
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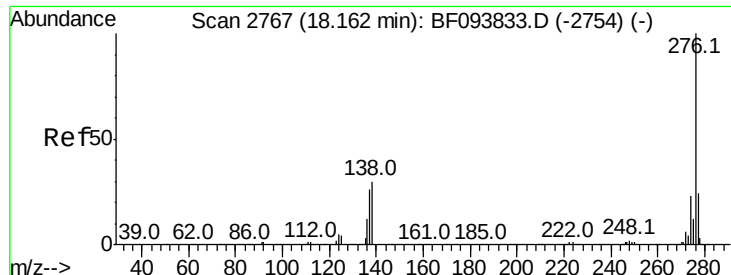
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#90
Dibenzo(a,h)anthracene
Concen: 46.96 ng
RT: 17.69 min Scan# 2687
Delta R.T. -0.02 min
Lab File: BF093987.D
Acq: 28 Mar 2017 12:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	16.6	24.8
279	24.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 43.72 ng
 RT: 18.07 min Scan# 2752
 Delta R.T. -0.02 min
 Lab File: BF093987.D
 Acq: 28 Mar 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 S-3MSD

Tot Ion:	276	Resp:	609975
Ion Ratio		Lower	Upper
276	100		
277	24.4	18.6	28.0
138	31.4	25.4	38.0

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