

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
 Data File : BF078935.D
 Acq On : 5 May 2015 11:33
 Operator : TP/IZ
 Sample : G2078-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 06 01:30:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 00:45:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	68965	20.00	ng	0.00
21) Naphthalene-d8	8.94	136	277431	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	134141	20.00	ng	0.00
63) Phenanthrene-d10	12.96	188	252608	20.00	ng	0.00
75) Chrysene-d12	16.26	240	271782	20.00	ng	-0.01
86) Perylene-d12	18.05	264	290401	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	499766	124.74	ng	0.01
7) Phenol-d6	6.91	99	672030	126.90	ng	0.01
23) Nitrobenzene-d5	8.04	82	375489	77.79	ng	0.00
41) 2,4,6-Tribromophenol	12.09	330	179338	123.58	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	736929	76.54	ng	-0.01
78) Terphenyl-d14	14.95	244	845428	74.47	ng	0.00

Target Compounds						Qvalue
8) 2-Chlorophenol	7.08	128	854333	188.01	ng	95
10) Phenol	6.92	94	847678	137.98	ng	100
12) 1,3-Dichlorobenzene	7.28	146	819909	160.53	ng	99
13) 1,4-Dichlorobenzene	7.38	146	411869	78.36	ng	99
18) Hexachloroethane	7.98	117	121069	66.87	ng	# 80
20) 3+4-Methylphenols	7.86	107	176533	36.23	ng	# 40
25) Isophorone	8.38	82	1905733	212.95	ng	# 92
26) 2-Nitrophenol	8.47	139	258333	130.44	ng	94
30) 1,2,4-Trichlorobenzene	8.87	180	753811	194.73	ng	97
31) Naphthalene	8.96	128	1920007	145.24	ng	98
36) 4-Chloro-3-methylphenol	9.62	107	596503	161.16	ng	97
37) 2-Methylnaphthalene	9.82	142	673059	73.47	ng	99
42) 2,4,6-Trichlorophenol	10.17	196	232197	89.40	ng	98
43) 2,4,5-Trichlorophenol	10.20	196	377407	143.73	ng	97
48) Acenaphthylene	10.94	152	1148075	84.06	ng	100
51) Acenaphthene	11.15	154	1319225	161.98	ng	98
57) Fluorene	11.79	166	674085	69.81	ng	100
59) Diethylphthalate	11.67	149	1287811	132.04	ng	97
60) 4-Chlorophenyl-phenylether	11.81	204	749796	175.04	ng	99
66) 4-Bromophenyl-phenylether	12.41	248	401385	152.44	ng	96
69) Pentachlorophenol	12.72	266	163343	91.68	ng	98
70) Phenanthrene	12.98	178	519762	36.78	ng	99
71) Anthracene	13.05	178	1926717	138.97	ng	97
73) Di-n-butylphthalate	13.70	149	1155196	72.90	ng	# 98
74) Fluoranthene	14.47	202	1542338	104.74	ng	98
77) Pyrene	14.74	202	1268328	80.98	ng	98
79) Butylbenzylphthalate	15.58	149	1090104	159.23	ng	# 84
80) Benzo(a)anthracene	16.25	228	1309608	87.99	ng	99
82) Chrysene	16.30	228	577883	40.37	ng	99
83) Bis(2-ethylhexyl)phthalate	16.30	149	986769	95.16	ng	# 98
84) Di-n-octyl phthalate	17.12	149	1677606	91.86	ng	# 100
88) Benzo(k)fluoranthene	17.63	252	2563530	166.59	ng	# 95
89) Benzo(a)pyrene	17.99	252	724366	49.49	ng	99

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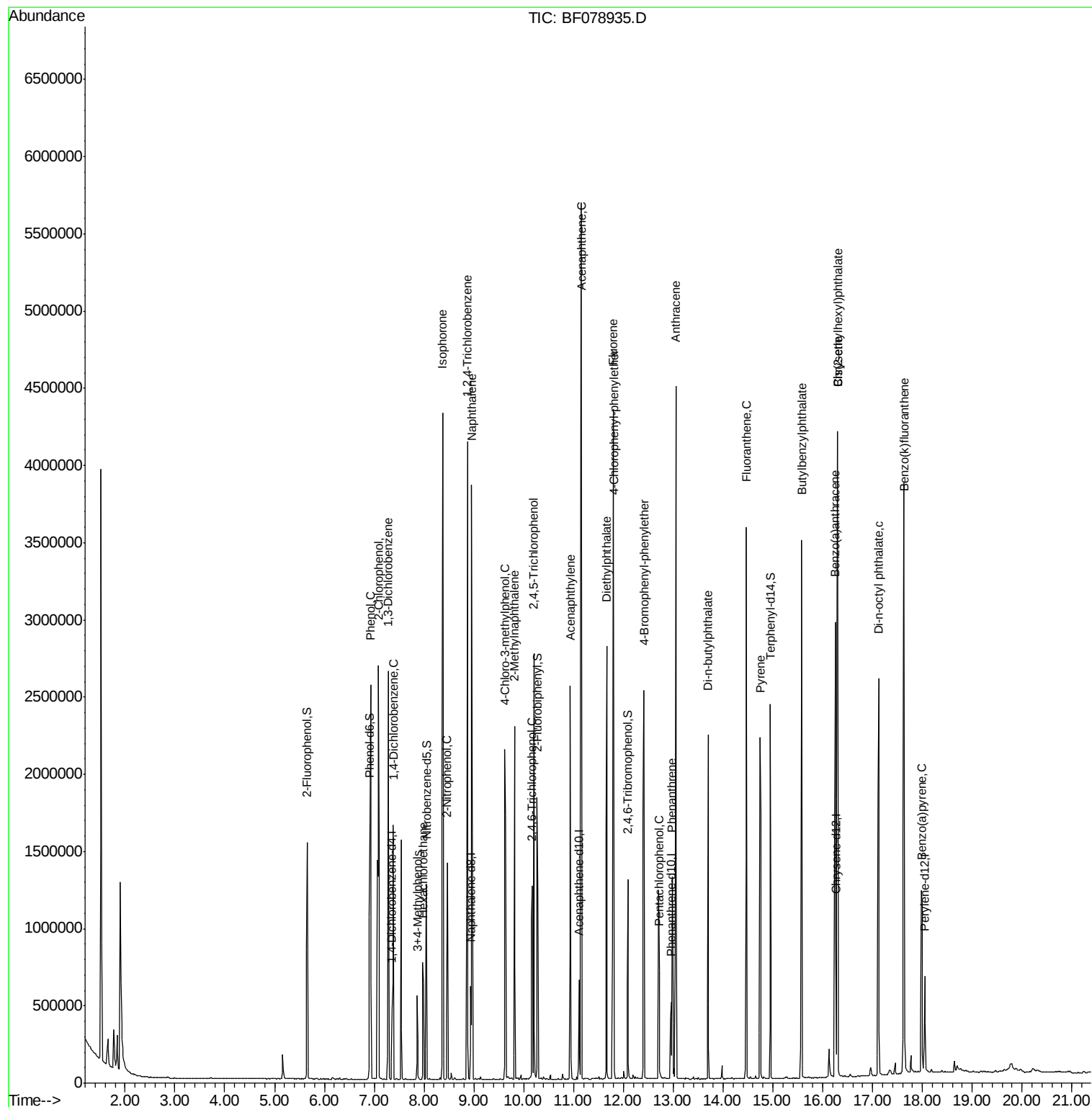
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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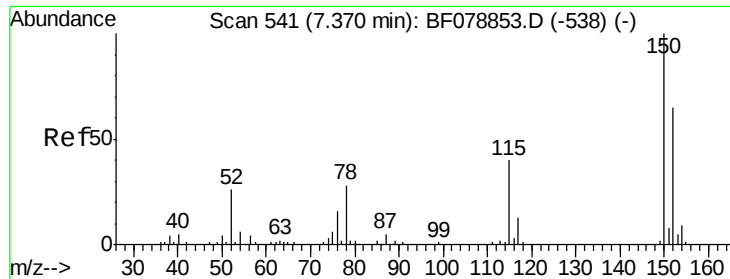
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.36 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

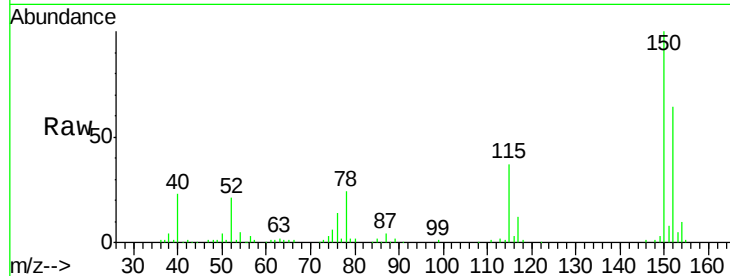
Tot Ion:152 Resp: 68965

Ion Ratio Lower Upper

152 100

150 156.0 122.0 183.0

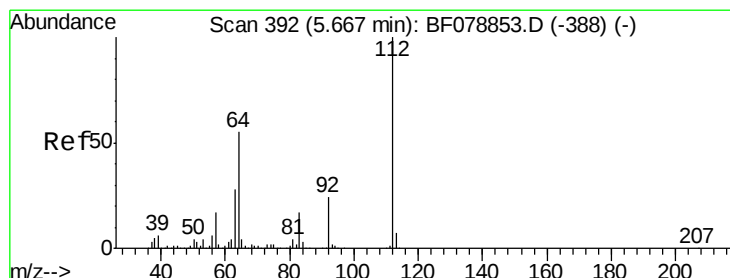
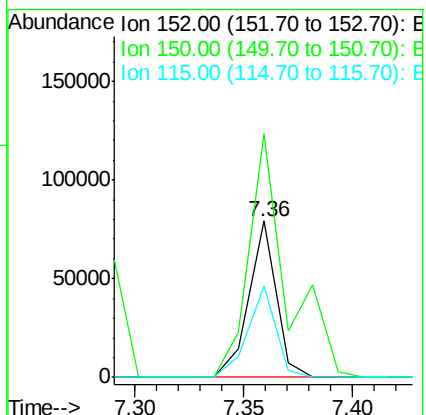
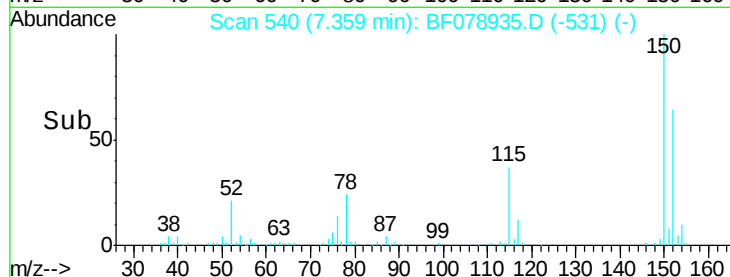
115 58.3 46.3 69.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 124.74 ng

RT: 5.66 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

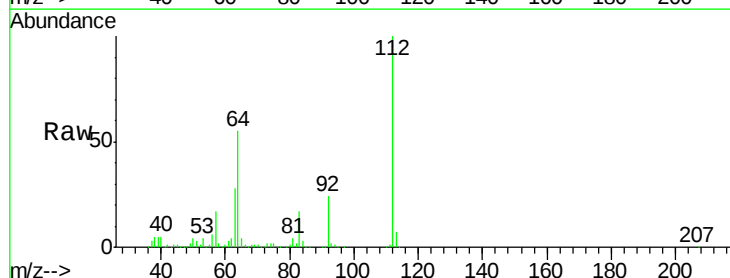
Tgt Ion:112 Resp: 499766

Ion Ratio Lower Upper

112 100

64 54.8 53.5 80.3

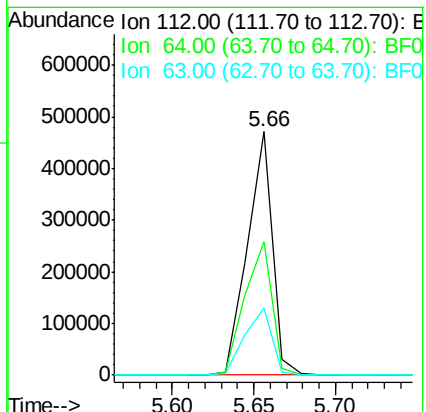
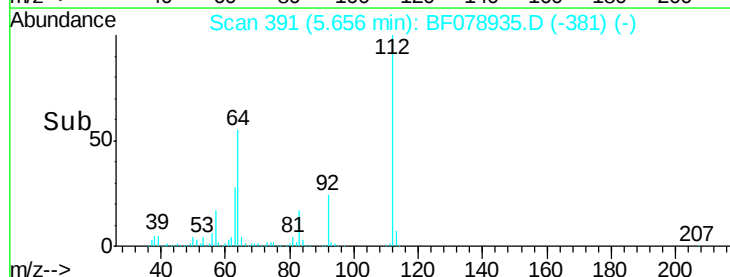
63 27.7 27.5 41.3

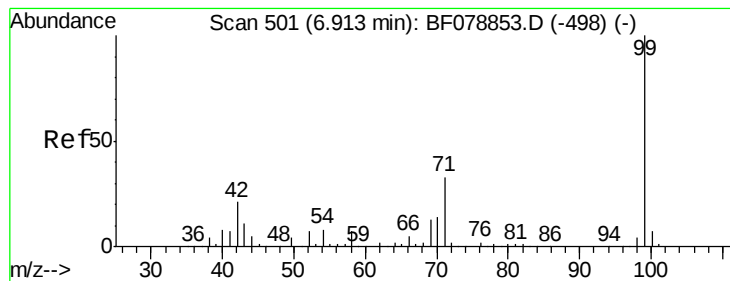


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.90 ng

RT: 6.91 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

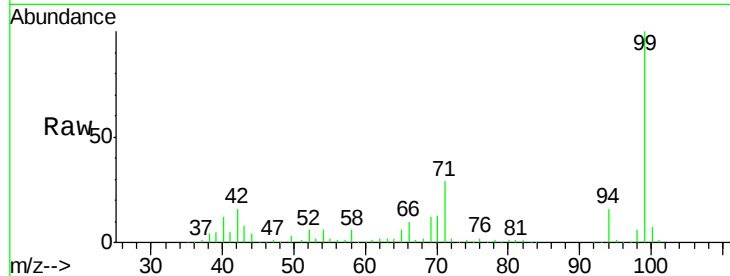
Tot Ion: 99 Resp: 672030

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

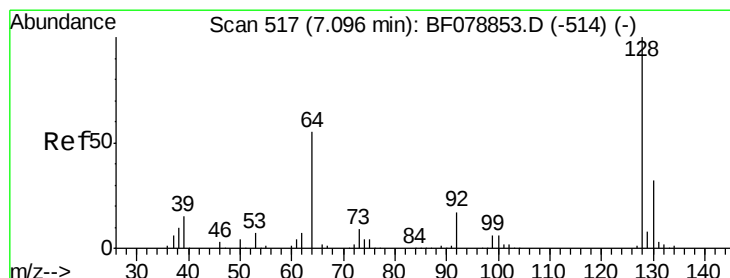
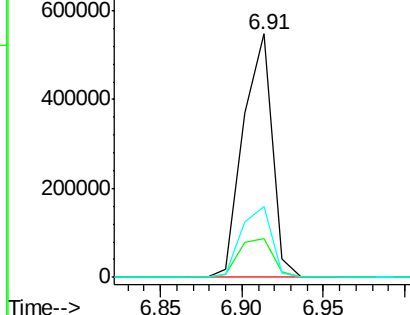
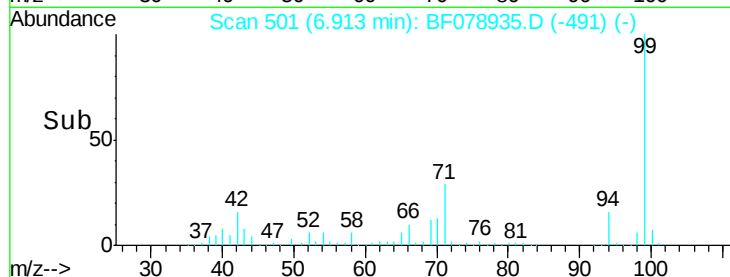
71 29.0 23.4 35.2



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: 188.01 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

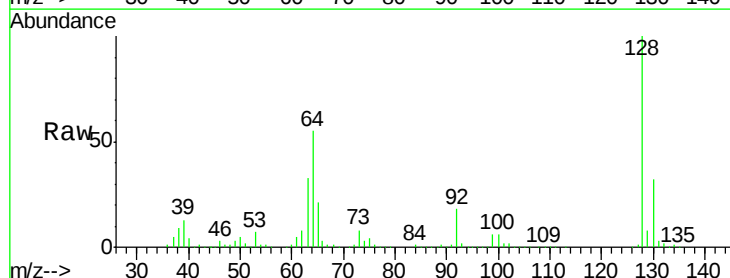
Tgt Ion: 128 Resp: 854333

Ion Ratio Lower Upper

128 100

130 32.3 12.1 52.1

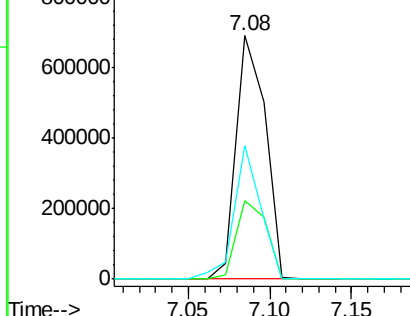
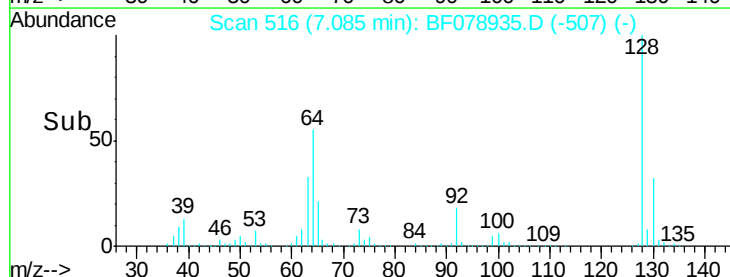
64 54.7 29.6 69.6

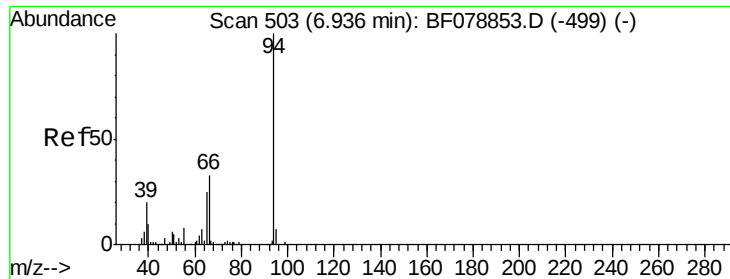


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 137.98 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

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PT-BNA-SOIL

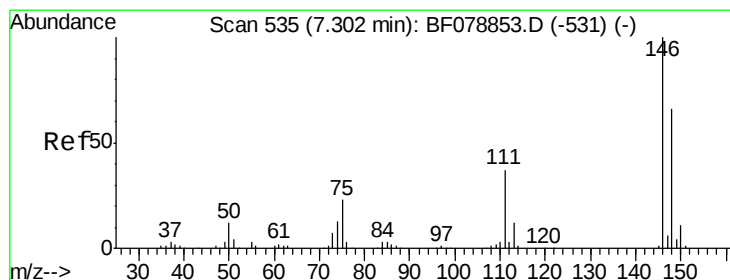
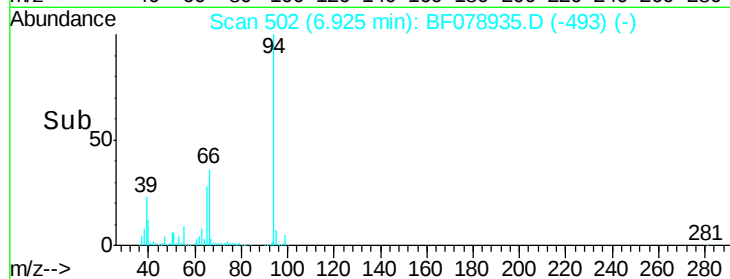
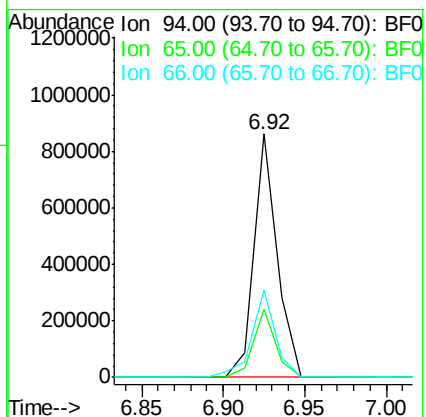
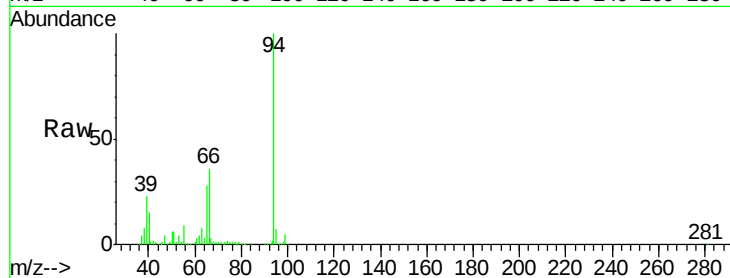
Tot Ion: 94 Resp: 847678

Ion Ratio Lower Upper

94 100

65 28.1 8.5 48.5

66 36.1 16.0 56.0



#12

1,3-Dichlorobenzene

Concen: 160.53 ng

RT: 7.28 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

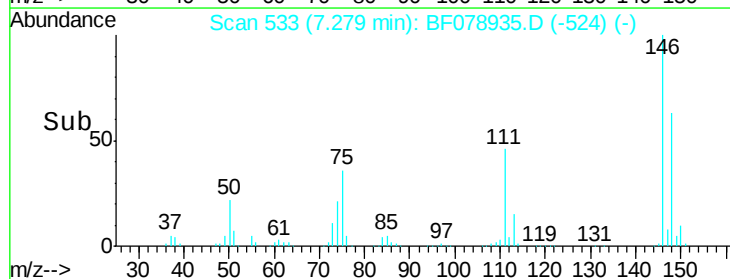
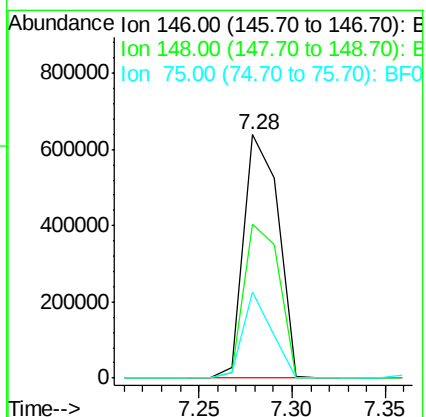
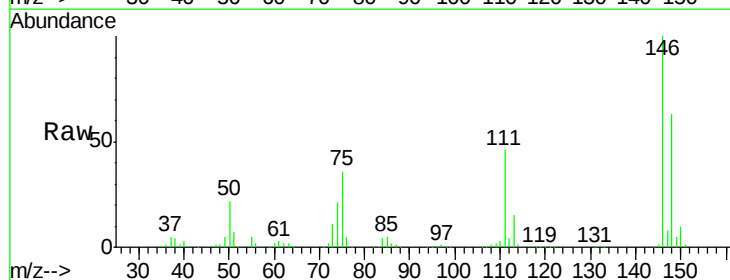
Tgt Ion: 146 Resp: 819909

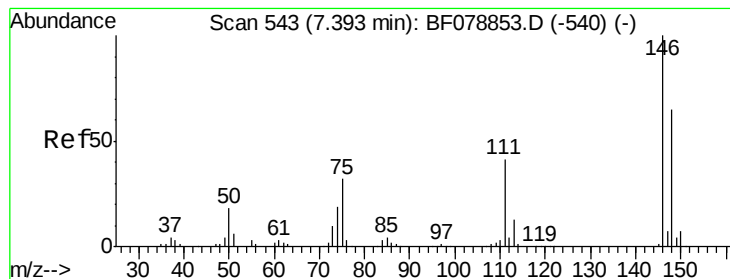
Ion Ratio Lower Upper

146 100

148 63.2 50.2 75.2

75 35.5 29.2 43.8





#13

1,4-Dichlorobenzene

Concen: 78.36 ng

RT: 7.38 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

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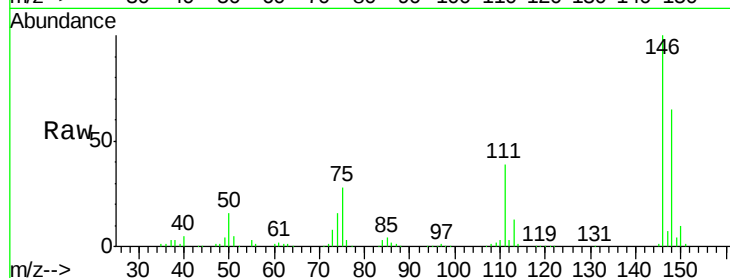
Tot Ion:146 Resp: 411869

Ion Ratio Lower Upper

146 100

148 65.0 52.8 79.2

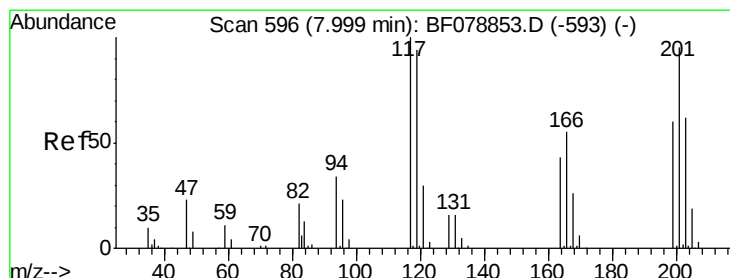
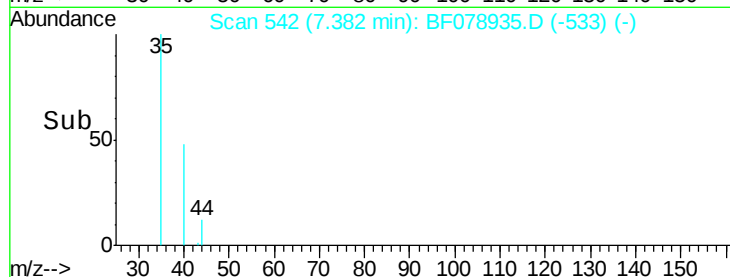
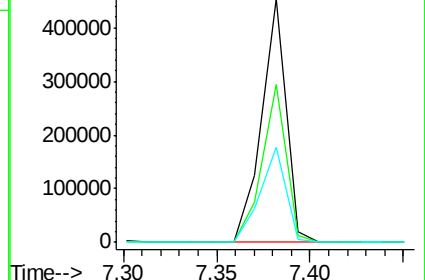
111 39.3 31.7 47.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 66.87 ng

RT: 7.98 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

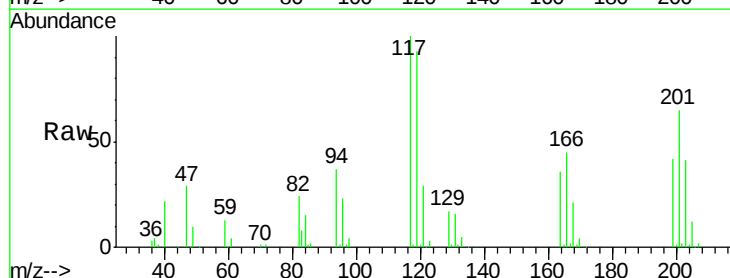
Tgt Ion:117 Resp: 121069

Ion Ratio Lower Upper

117 100

119 93.2 75.4 113.0

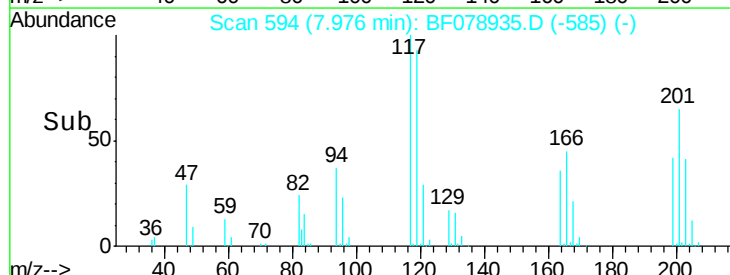
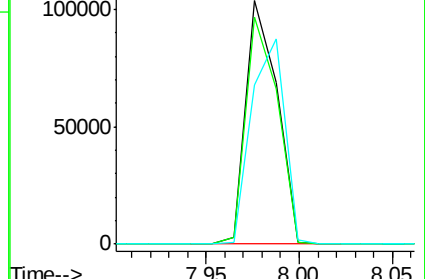
201 65.3 83.2 124.8#

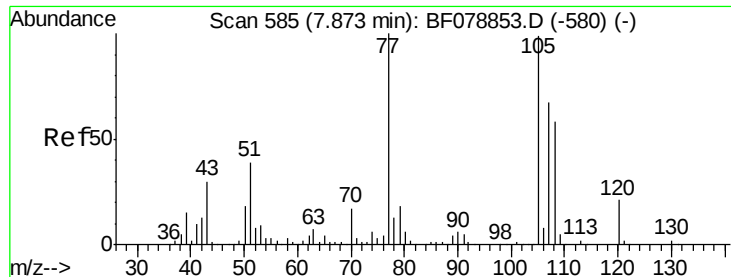


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

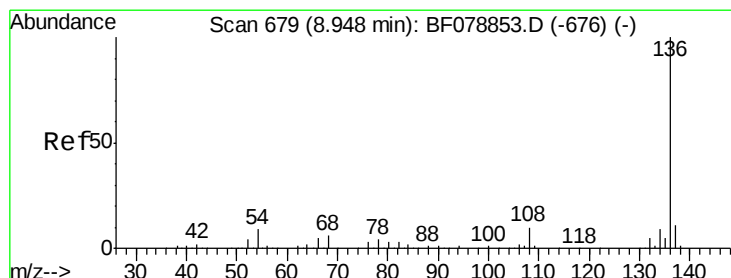
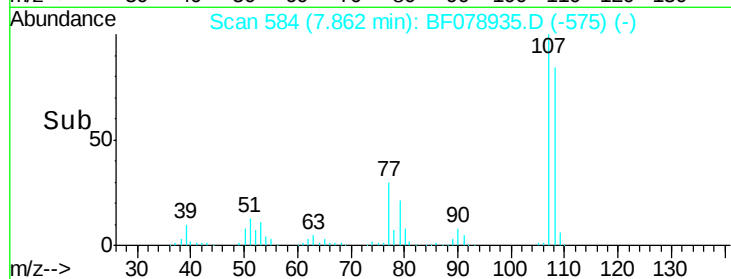
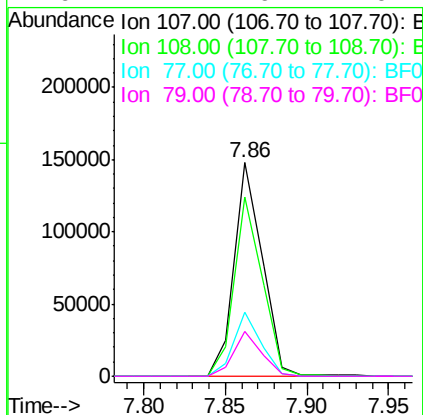
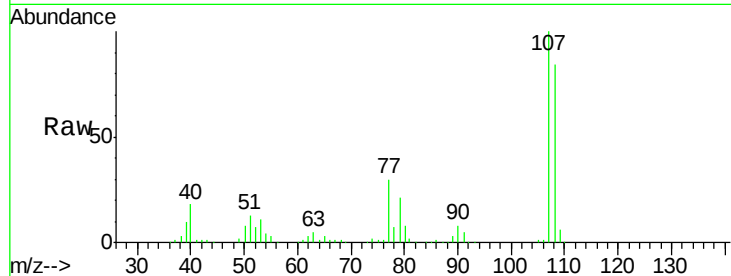




#20
3+4-Methylphenols
Concen: 36.23 ng
RT: 7.86 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

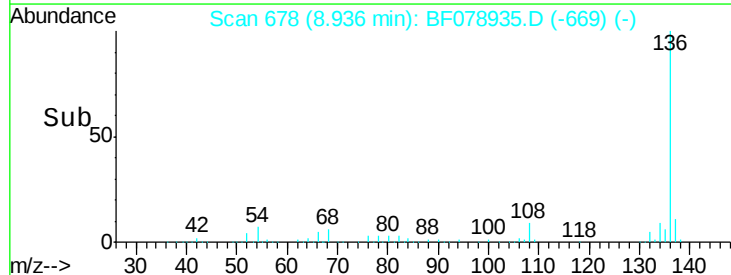
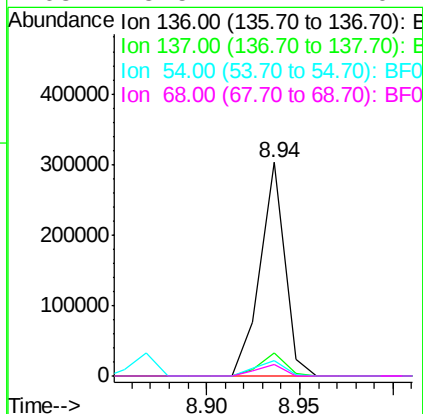
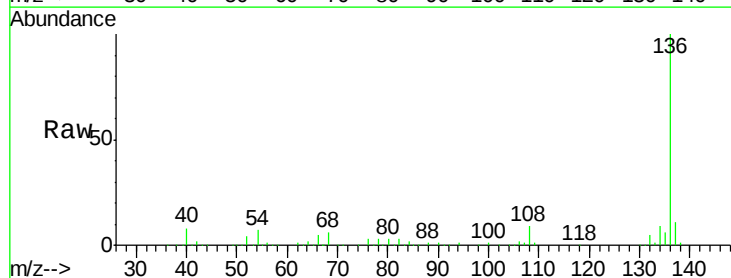
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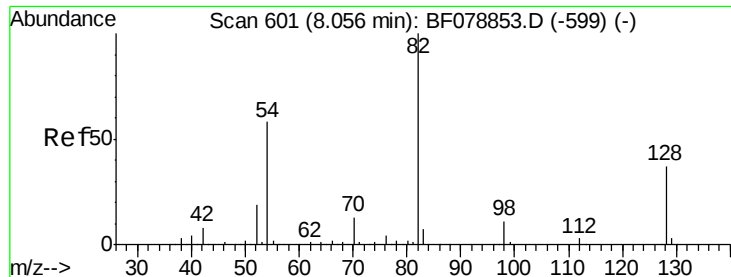
Tot Ion:107 Resp: 176533
Ion Ratio Lower Upper
107 100
108 83.7 76.9 116.9
77 29.8 136.8 176.8#
79 21.2 9.7 49.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.94 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion:136 Resp: 277431
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.2 5.8 8.8
68 5.5 4.2 6.4

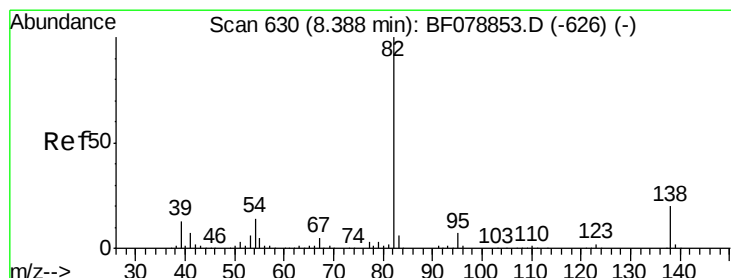
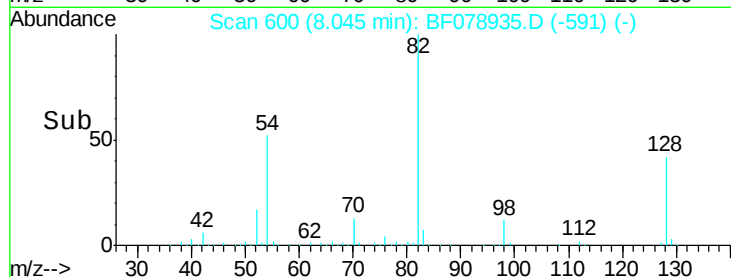
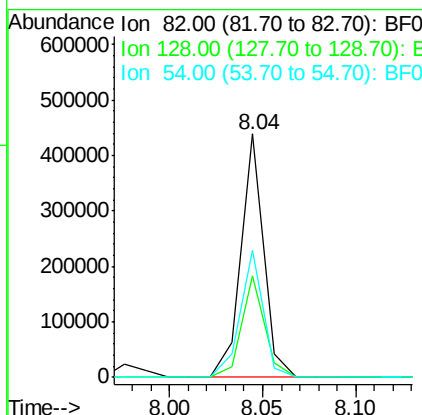
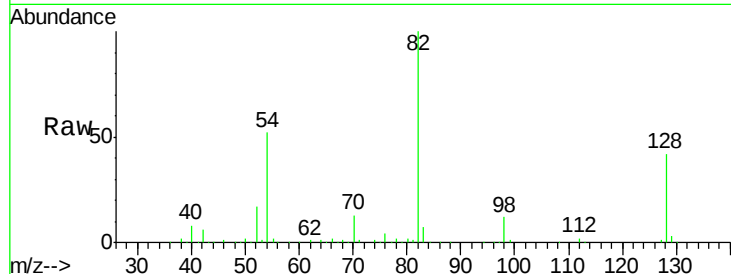




#23
Nitrobenzene-d5
Concen: 77.79 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

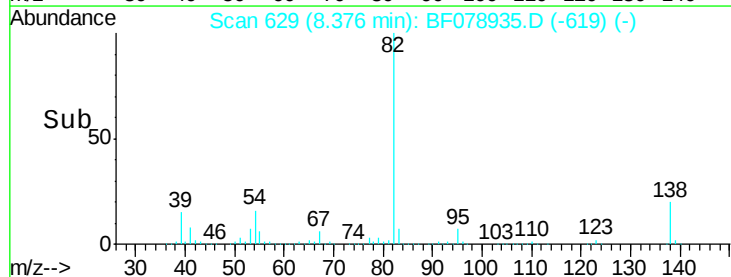
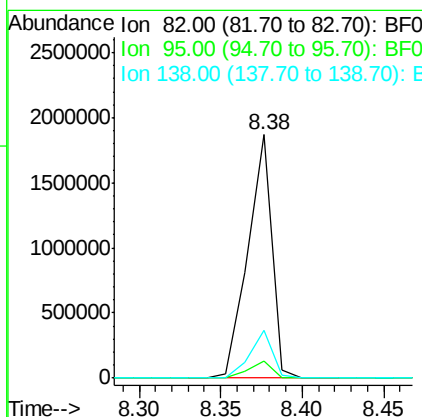
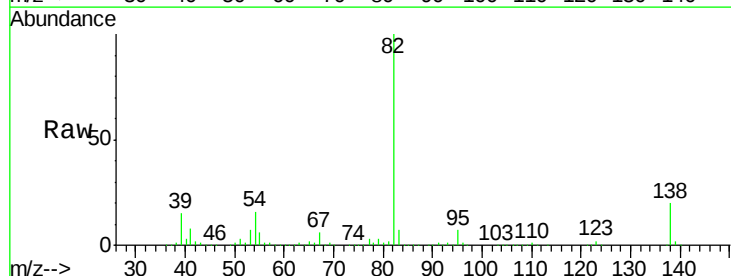
Instrument :
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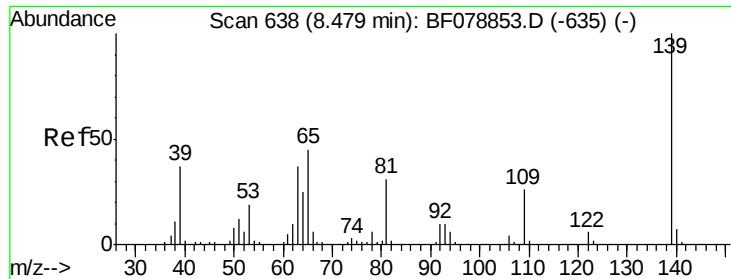
Tot Ion	82	Resp	375489
Ion Ratio	Lower	Upper	
82	100		
128	41.9	30.0	45.0
54	52.3	46.4	69.6



#25
Isophorone
Concen: 212.95 ng
RT: 8.38 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion	82	Resp	1905733
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.3	7.9
138	19.6	12.0	18.0#

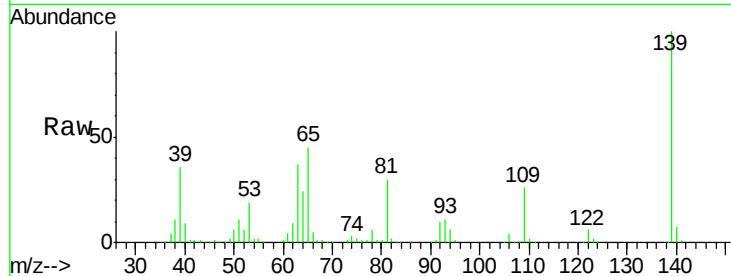




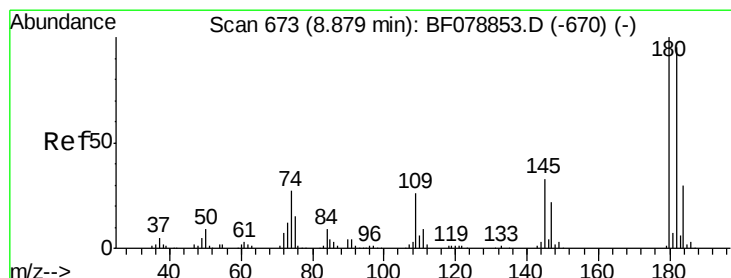
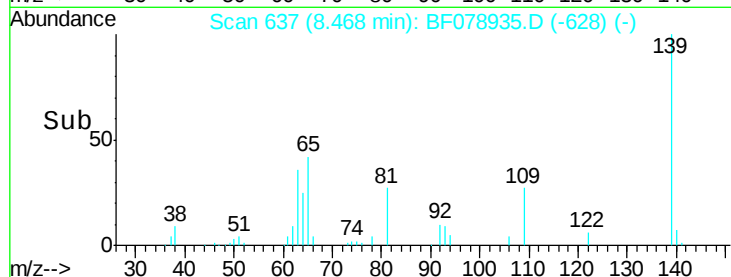
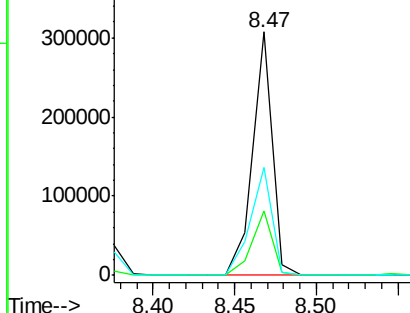
#26
2-Nitrophenol
Concen: 130.44 ng
RT: 8.47 min Scan# 637
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
139	100		
109	26.3	21.0	31.4
65	44.5	30.5	45.7

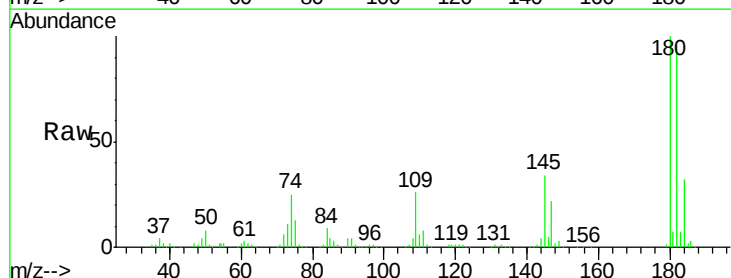


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

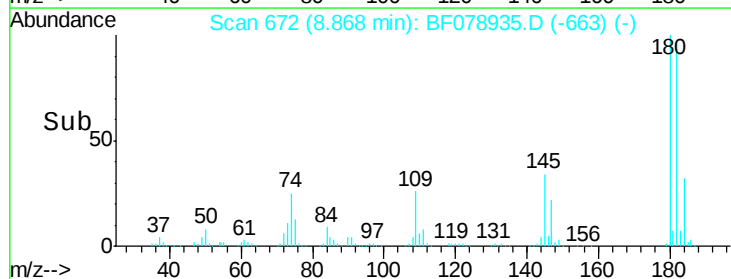
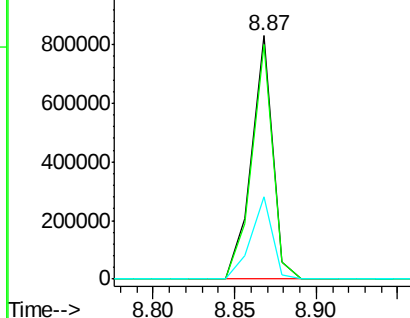


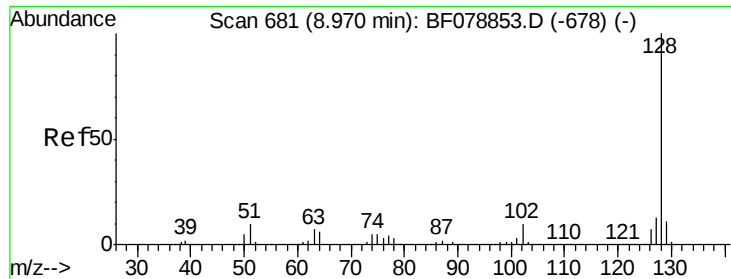
#30
1,2,4-Trichlorobenzene
Concen: 194.73 ng
RT: 8.87 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	78.9	118.3
145	33.9	24.2	36.4



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

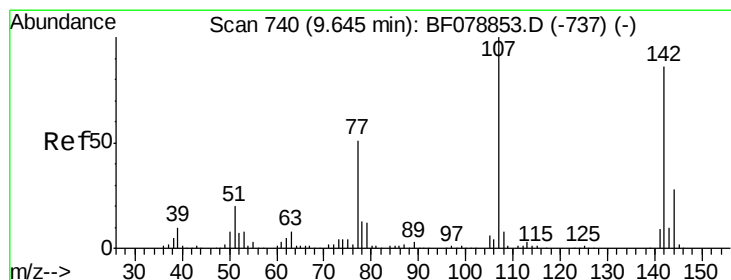
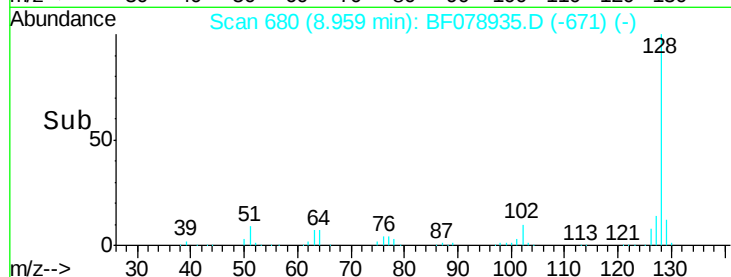
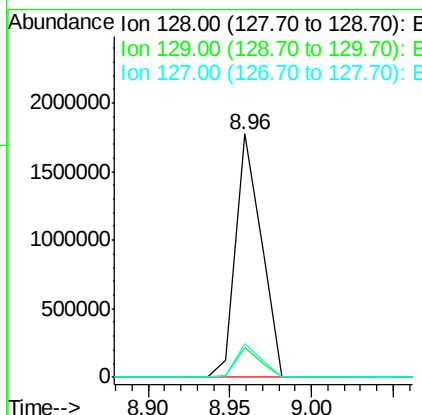
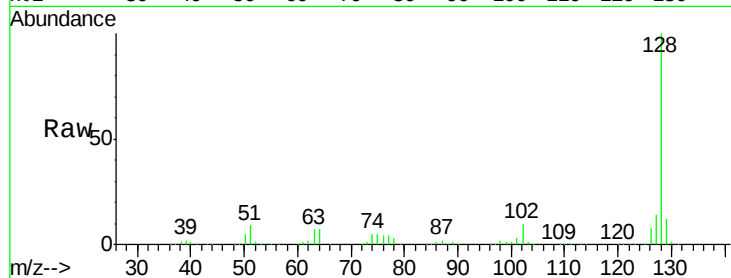




#31
Naphthalene
Concen: 145.24 ng
RT: 8.96 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

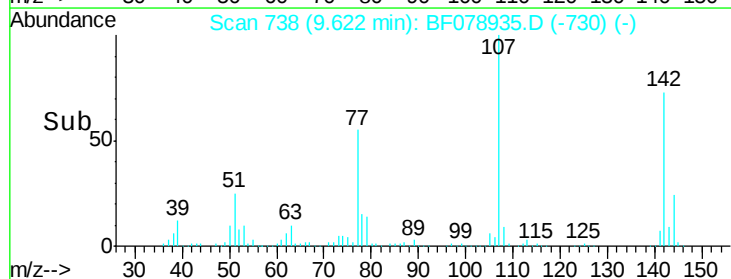
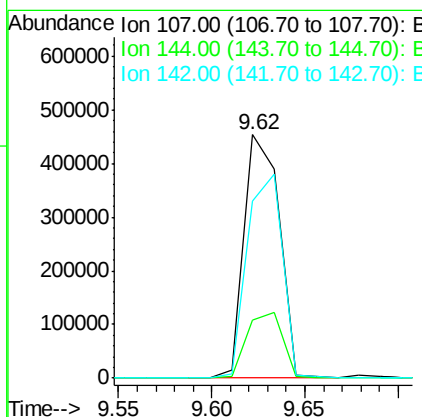
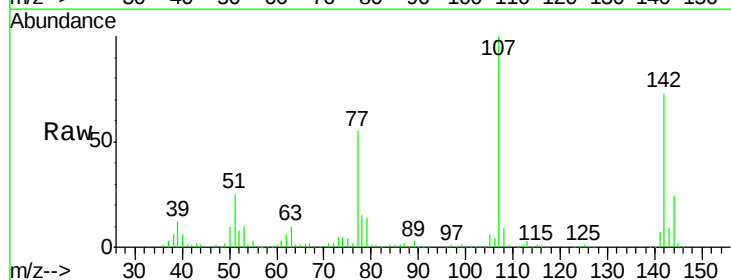
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

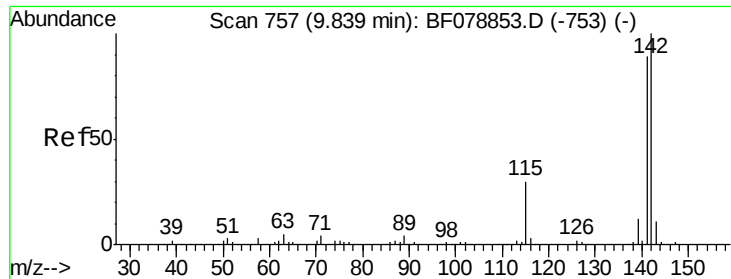
Tot Ion:128 Resp: 1920007
Ion Ratio Lower Upper
128 100
129 12.5 9.3 13.9
127 14.1 10.7 16.1



#36
4-Chloro-3-methylphenol
Concen: 161.16 ng
RT: 9.62 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion:107 Resp: 596503
Ion Ratio Lower Upper
107 100
144 24.0 19.8 29.6
142 72.7 60.6 91.0

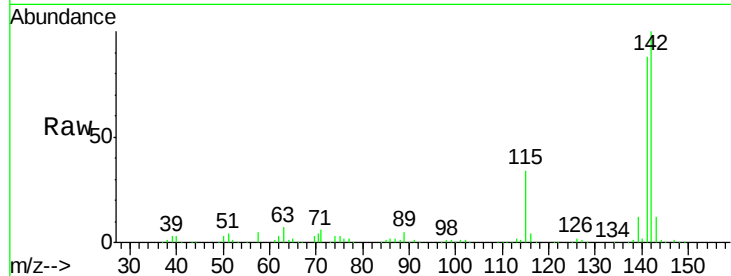




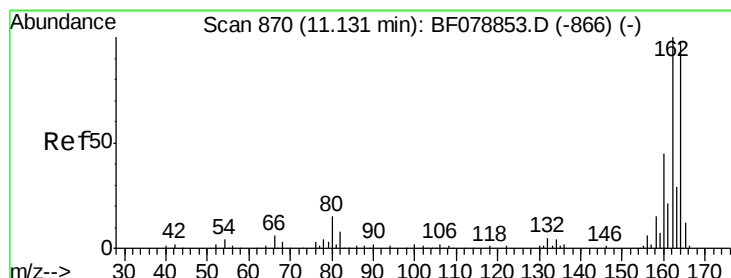
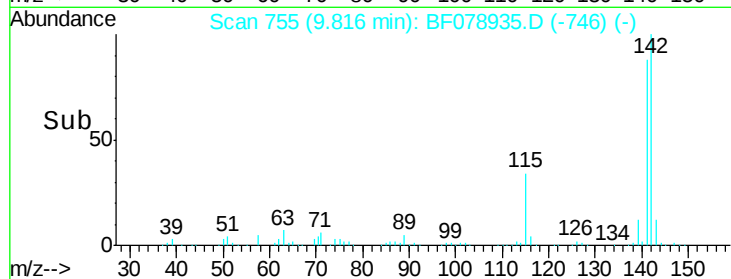
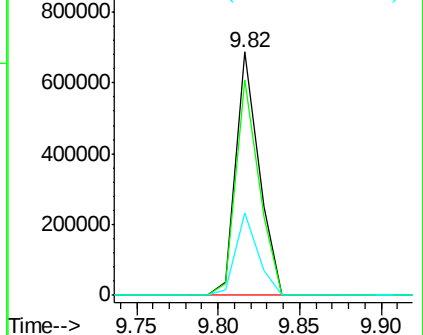
#37
 2-Methylnaphthalene
 Concen: 73.47 ng
 RT: 9.82 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:142 Resp: 673059
 Ion Ratio Lower Upper
 142 100
 141 88.3 70.9 106.3
 115 33.6 28.5 42.7

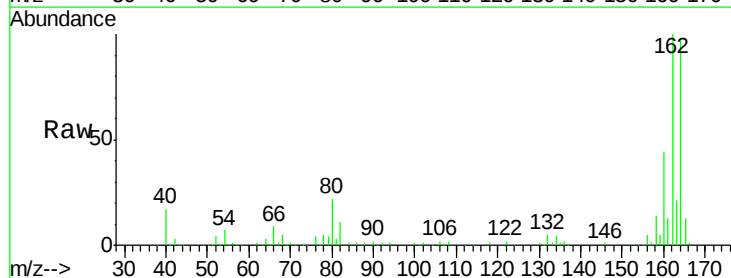


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

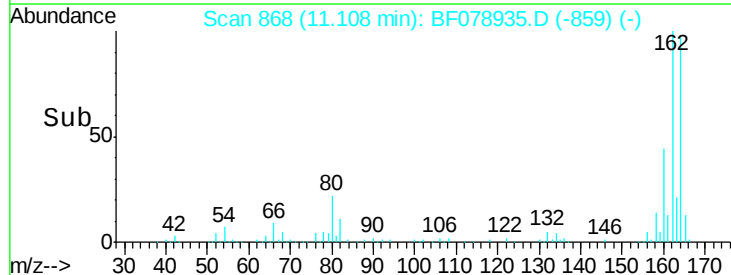
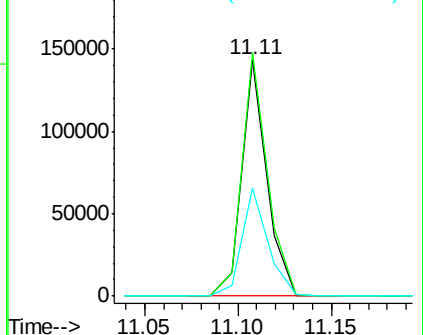


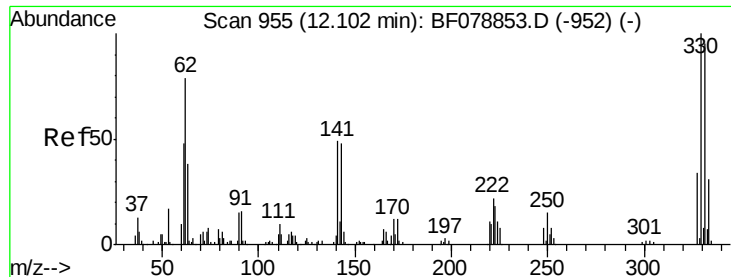
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:164 Resp: 134141
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.7 124.1
 160 45.6 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

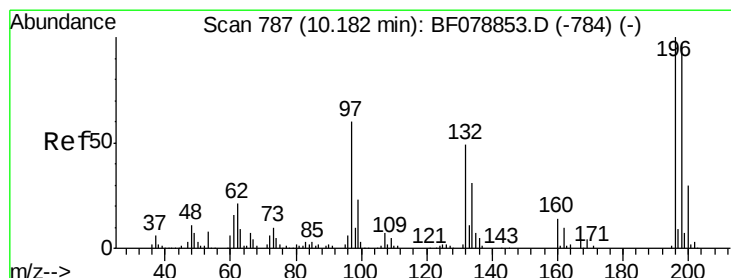
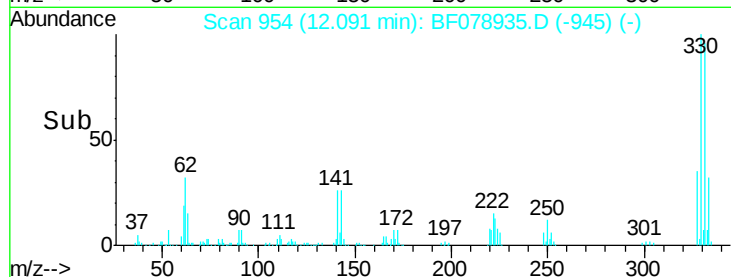
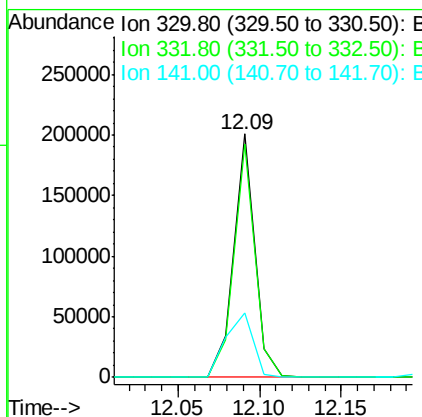
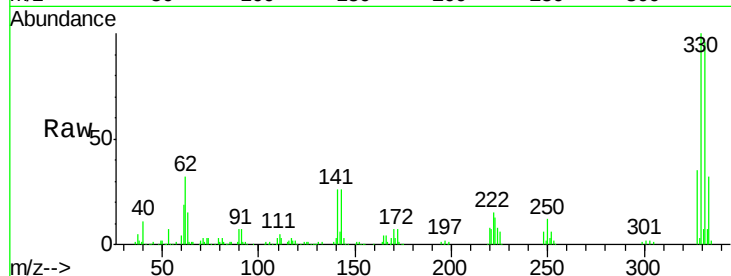




#41
 2,4,6-Tribromophenol
 Concen: 123.58 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

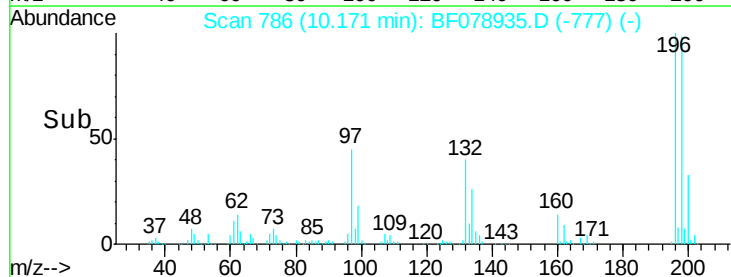
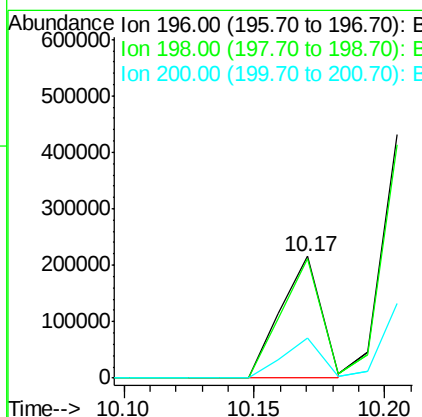
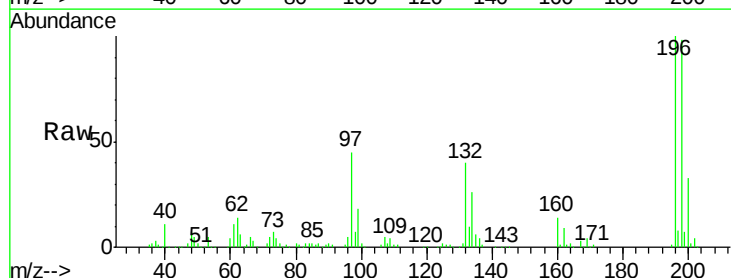
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

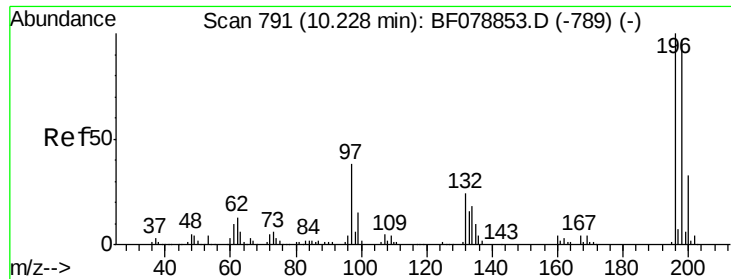
Tot Ion:330 Resp: 179338
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 34.3 0.0 0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 89.40 ng
 RT: 10.17 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:196 Resp: 232197
 Ion Ratio Lower Upper
 196 100
 198 98.5 80.5 120.7
 200 33.0 24.9 37.3

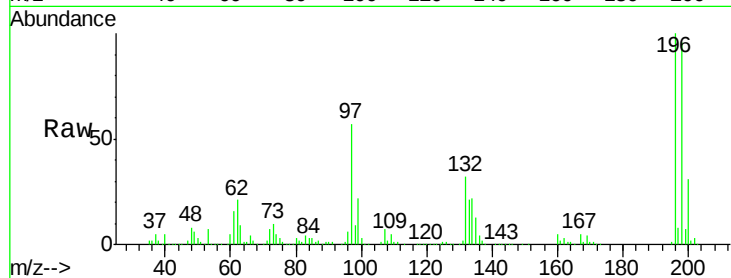




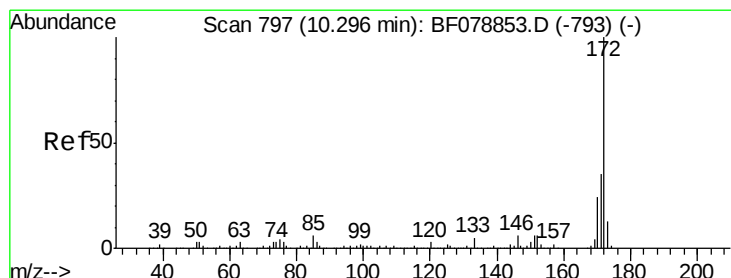
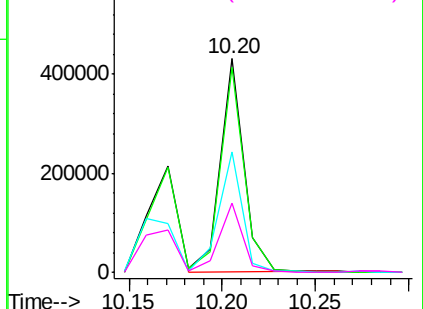
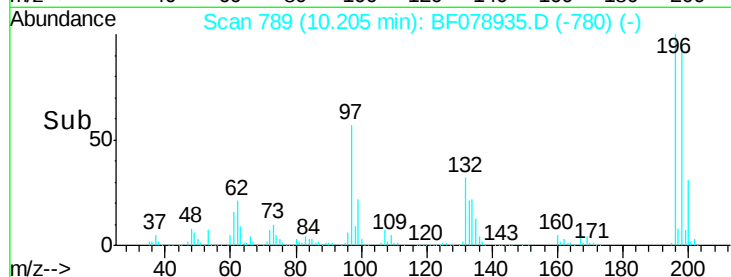
#43
 2,4,5-Trichlorophenol
 Concen: 143.73 ng
 RT: 10.20 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:	196	Resp:	377407
Ion	Ratio	Lower	Upper
196	100		
198	95.8	79.8	119.6
97	56.6	46.0	69.0
132	32.5	26.6	40.0

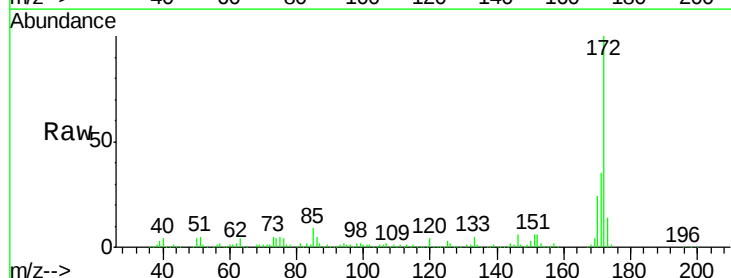


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

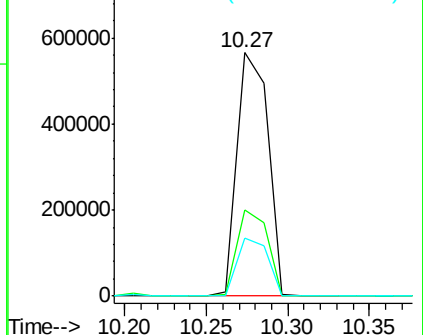
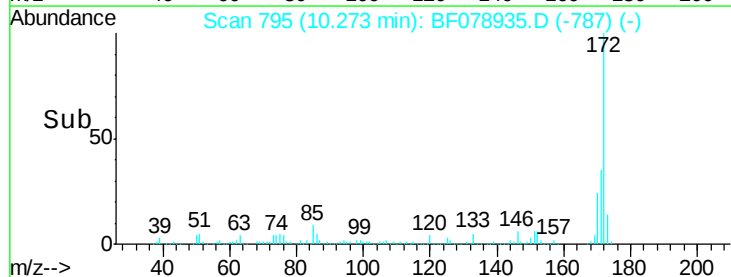


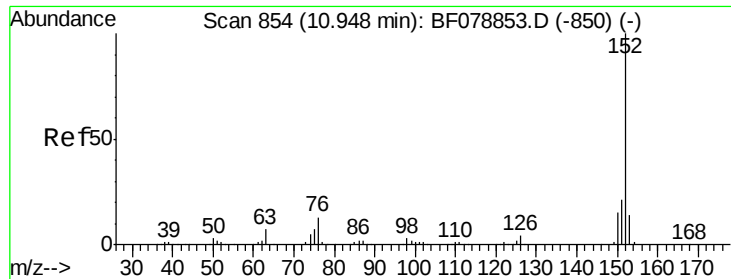
#44
 2-Fluorobiphenyl
 Concen: 76.54 ng
 RT: 10.27 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:	172	Resp:	736929
Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.9	41.9
170	23.8	19.4	29.0



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





#48

Acenaphthylene

Concen: 84.06 ng

RT: 10.94 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

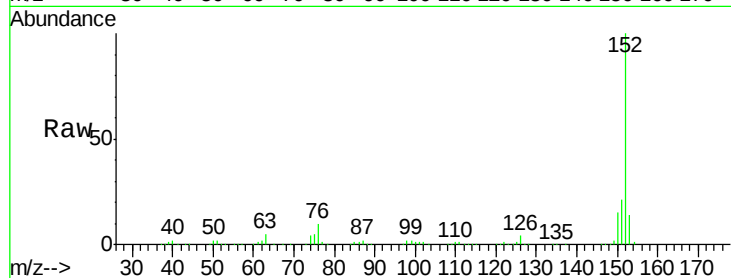
Tot Ion:152 Resp: 1148075

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

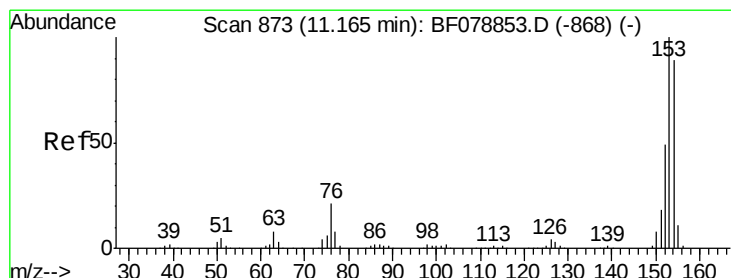
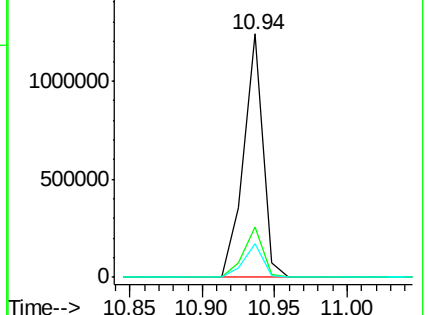
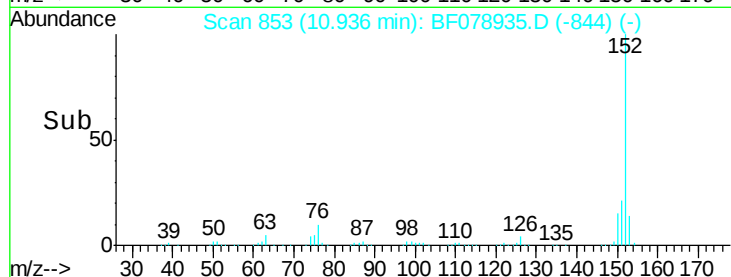
153 13.7 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 161.98 ng

RT: 11.15 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

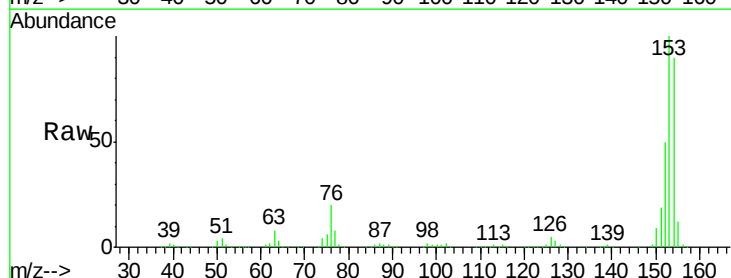
Tgt Ion:154 Resp: 1319225

Ion Ratio Lower Upper

154 100

153 110.8 91.5 137.3

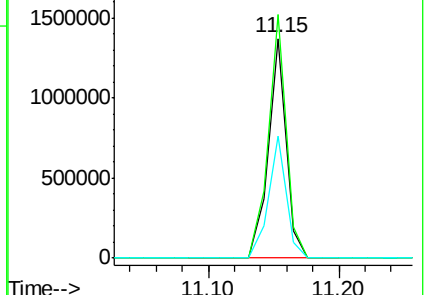
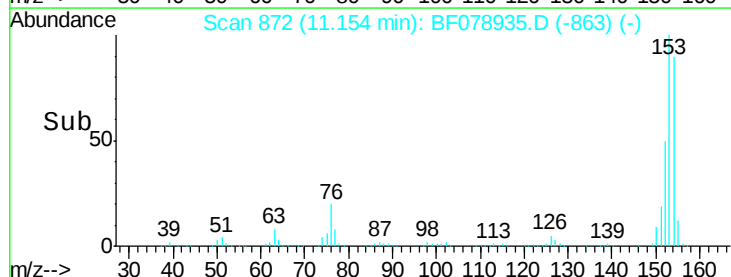
152 55.6 44.2 66.4

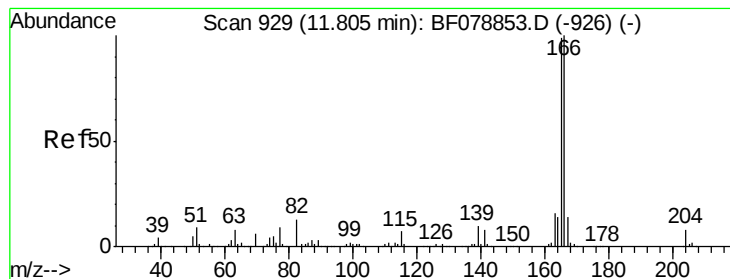


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 69.81 ng

RT: 11.79 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

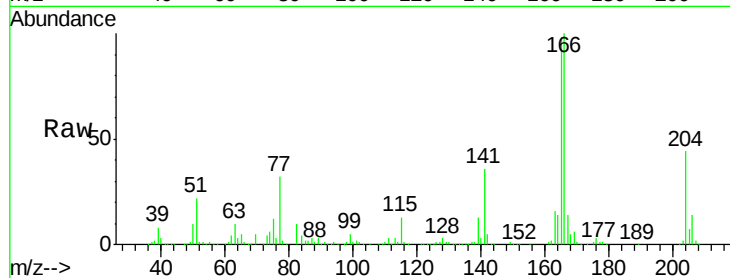
Tot Ion:166 Resp: 674085

Ion Ratio Lower Upper

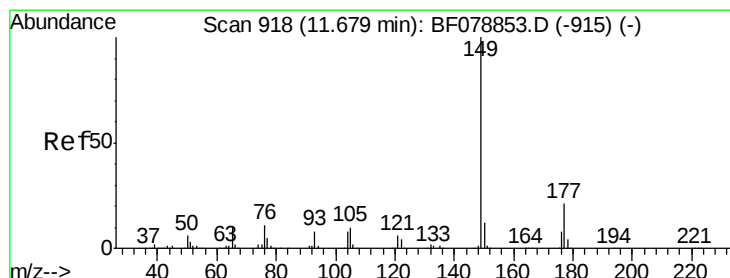
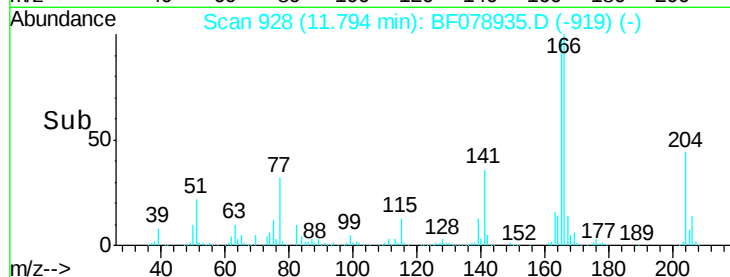
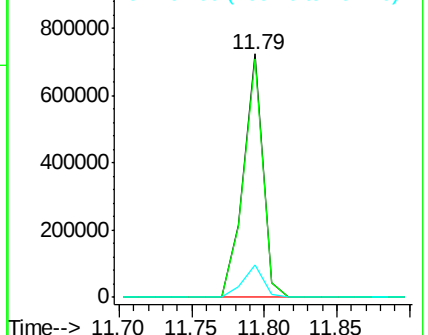
166 100

165 98.0 78.5 117.7

167 13.5 11.0 16.6



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



#59

Diethylphthalate

Concen: 132.04 ng

RT: 11.67 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

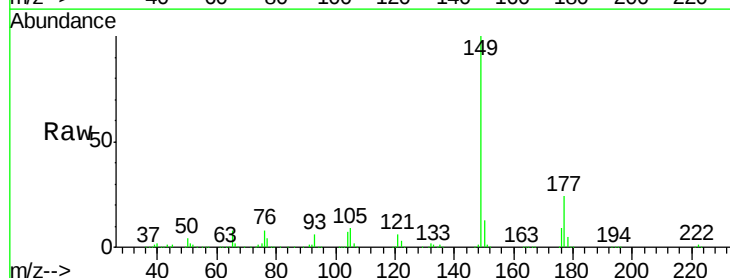
Tgt Ion:149 Resp: 1287811

Ion Ratio Lower Upper

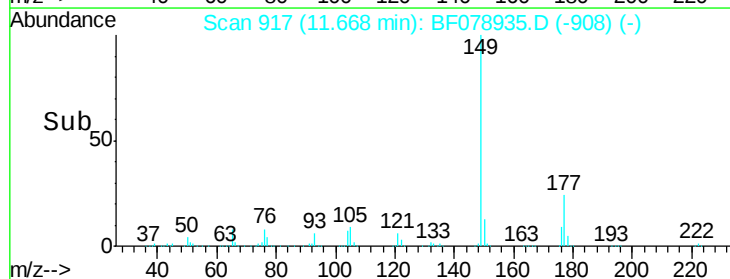
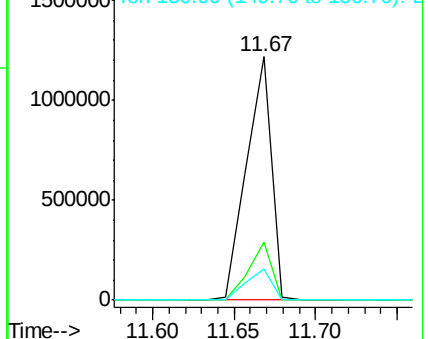
149 100

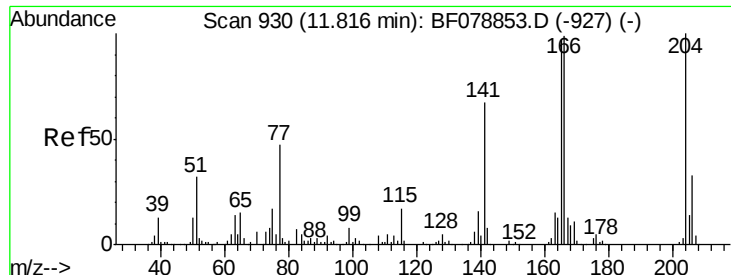
177 23.6 17.5 26.3

150 13.0 9.6 14.4



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

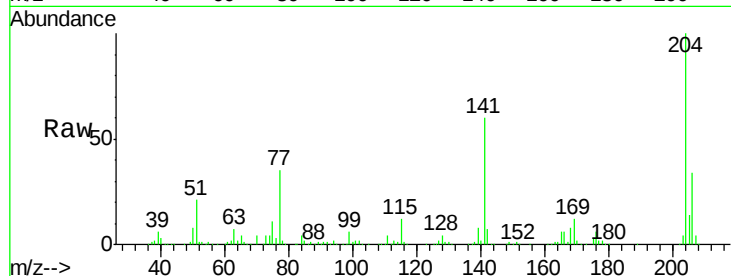




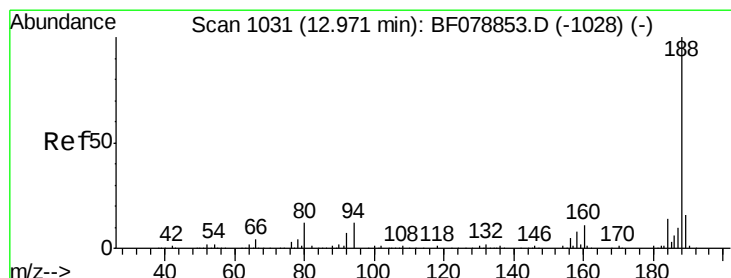
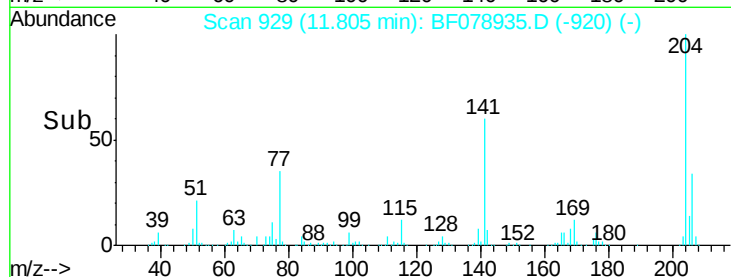
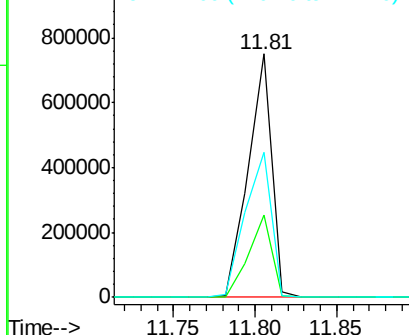
#60
 4-Chlorophenyl-phenylether
 Concen: 175.04 ng
 RT: 11.81 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:204 Resp: 749796
 Ion Ratio Lower Upper
 204 100
 206 33.8 26.9 40.3
 141 59.8 48.3 72.5

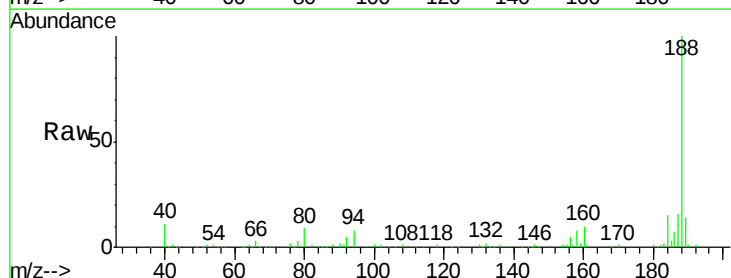


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

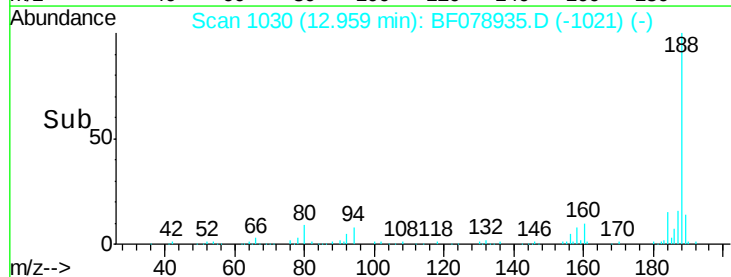
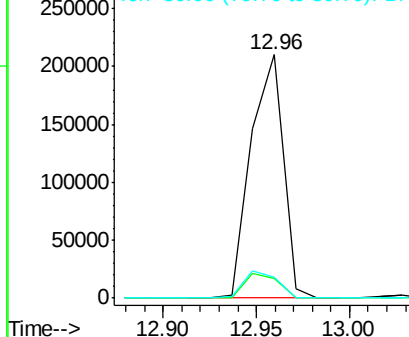


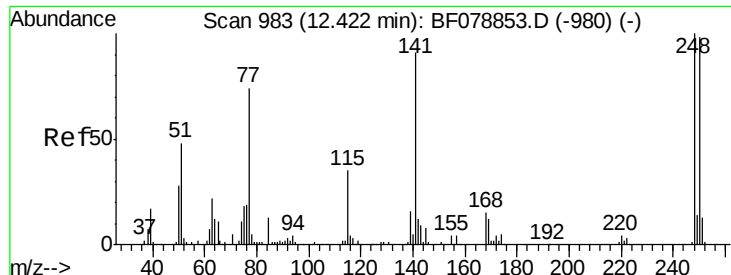
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.96 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:188 Resp: 252608
 Ion Ratio Lower Upper
 188 100
 94 8.0 8.2 12.2#
 80 8.6 8.9 13.3#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

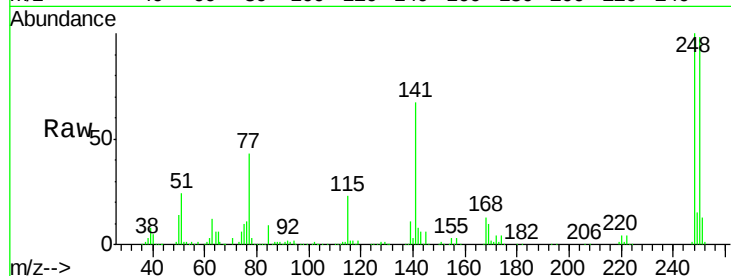




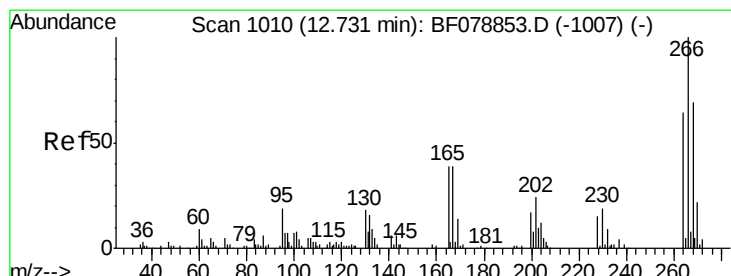
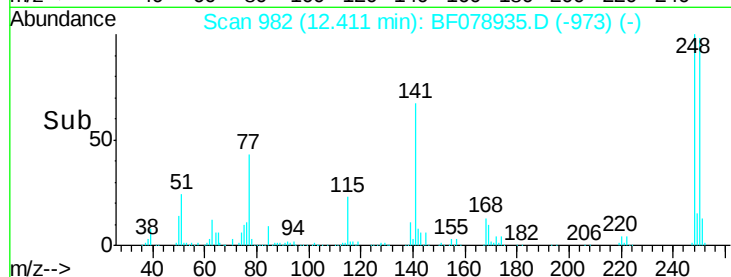
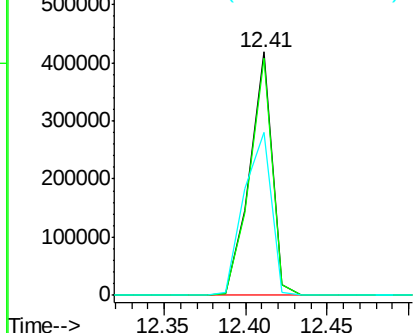
#66
4-Bromophenyl-phenylether
Concen: 152.44 ng
RT: 12.41 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:248 Resp: 401385
Ion Ratio Lower Upper
248 100
250 97.6 77.1 115.7
141 67.2 58.8 88.2

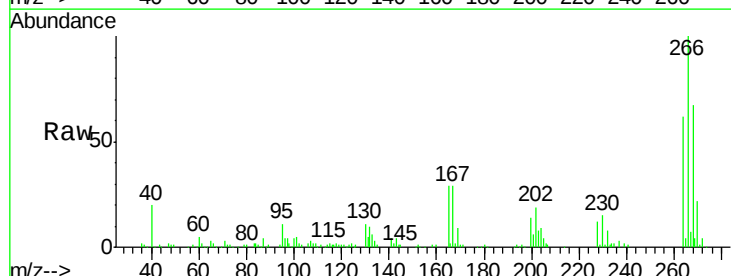


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

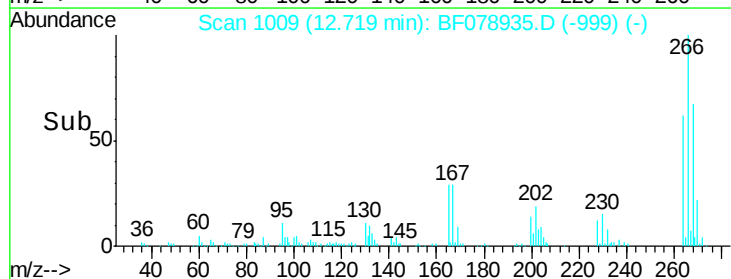
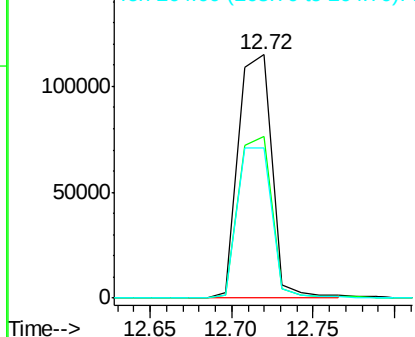


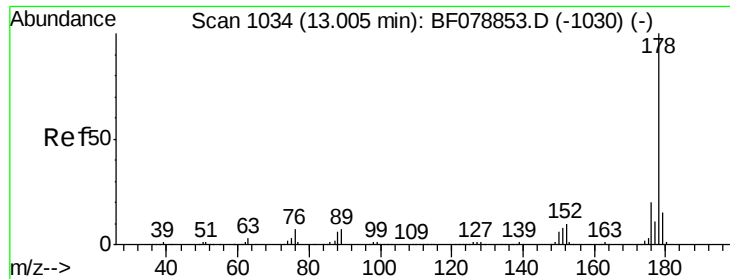
#69
Pentachlorophenol
Concen: 91.68 ng
RT: 12.72 min Scan# 1009
Delta R.T. 0.01 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion:266 Resp: 163343
Ion Ratio Lower Upper
266 100
268 66.6 55.0 82.6
264 61.5 48.2 72.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

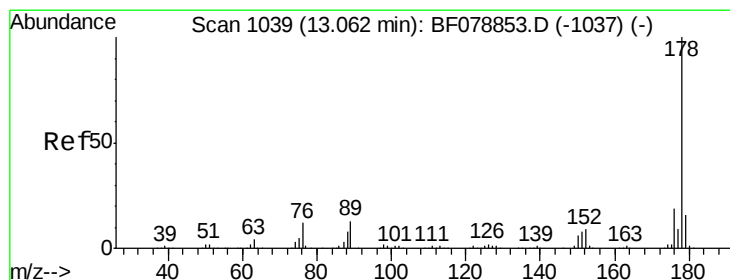
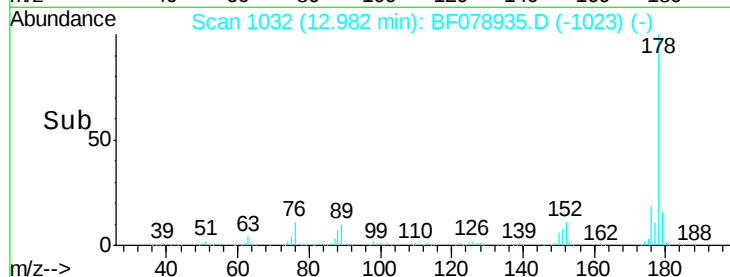
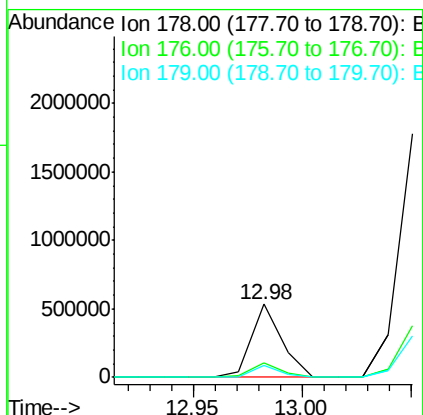
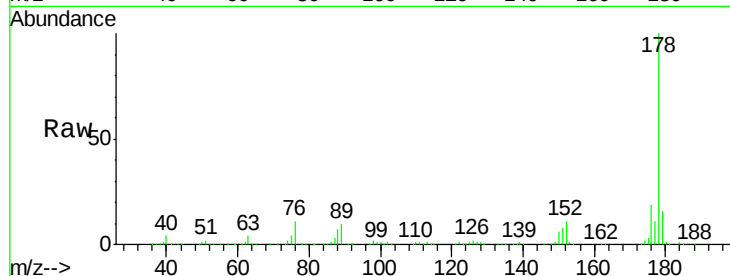




#70
Phenanthrene
Concen: 36.78 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

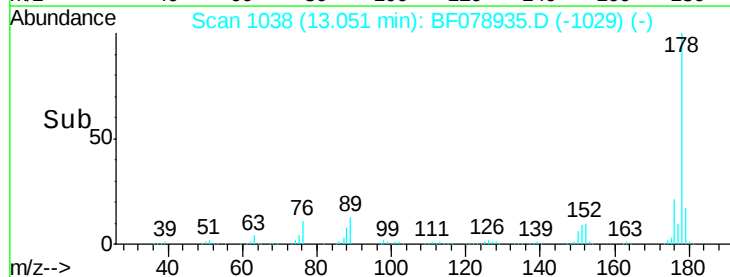
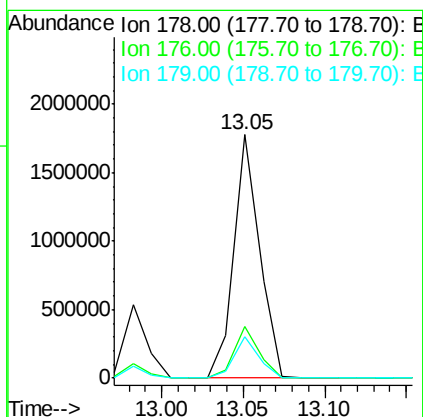
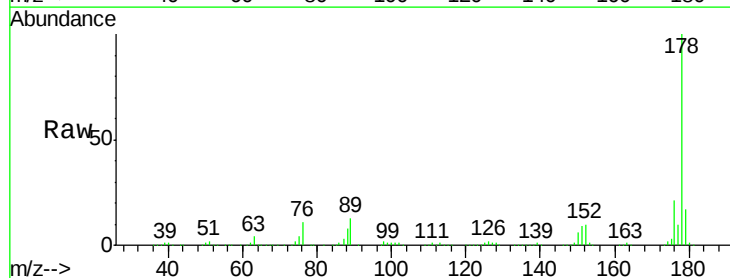
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

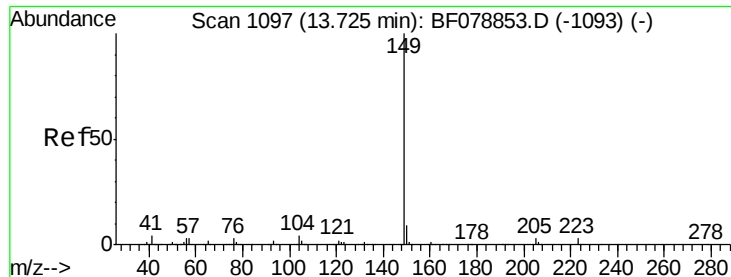
Tot Ion:178 Resp: 519762
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.8 12.5 18.7



#71
Anthracene
Concen: 138.97 ng
RT: 13.05 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion:178 Resp: 1926717
Ion Ratio Lower Upper
178 100
176 21.0 15.5 23.3
179 17.1 12.7 19.1





#73

Di-n-butylphthalate

Concen: 72.90 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

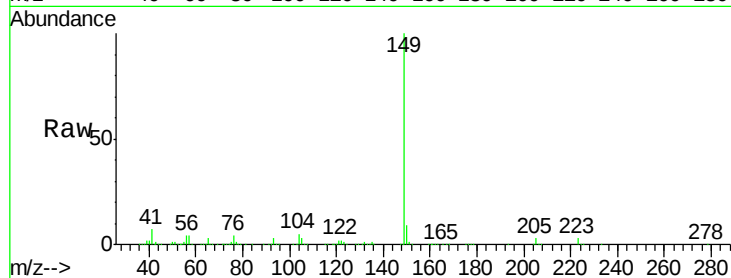
Tot Ion:149 Resp: 1155196

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

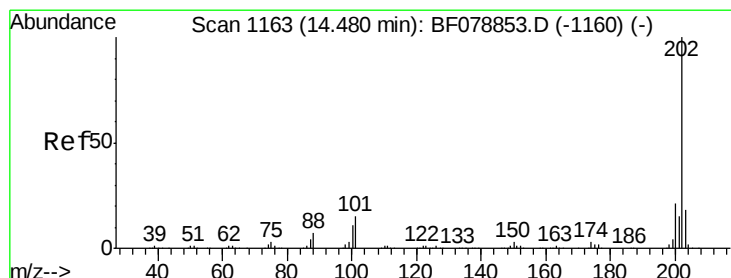
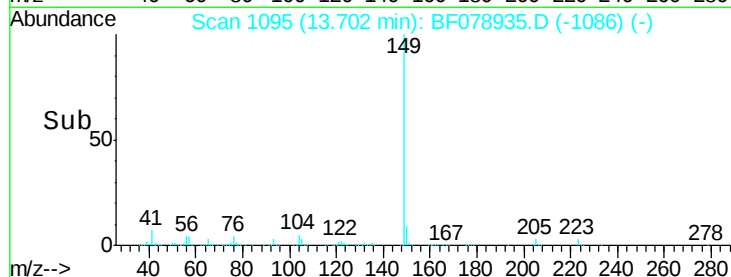
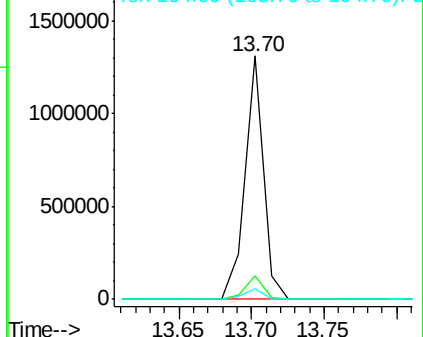
104 4.6 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 104.74 ng

RT: 14.47 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

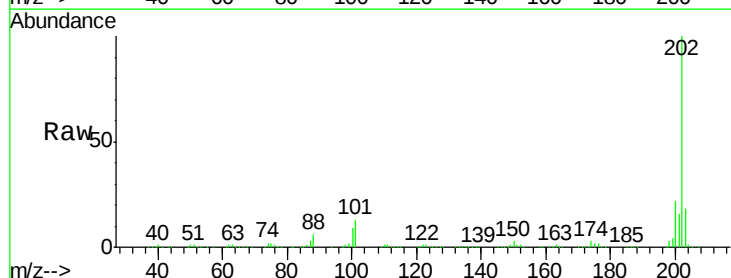
Tgt Ion:202 Resp: 1542338

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.6

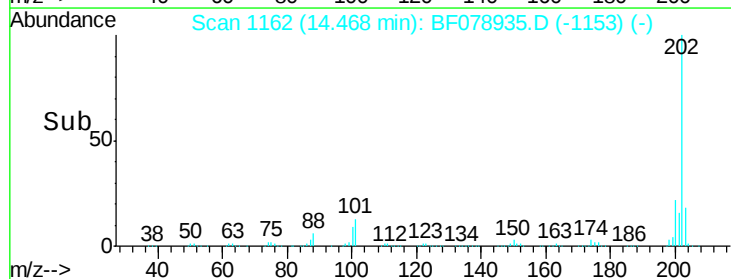
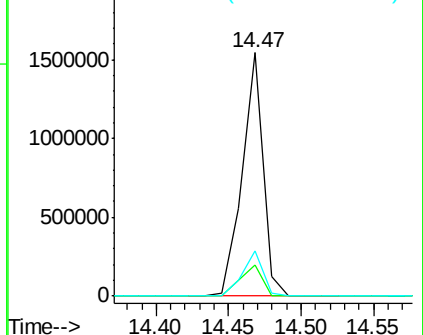
203 18.4 0.0 38.4

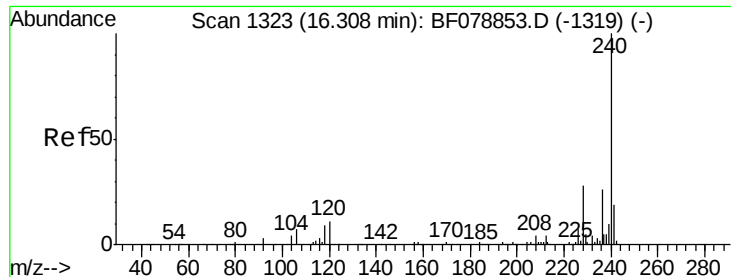


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

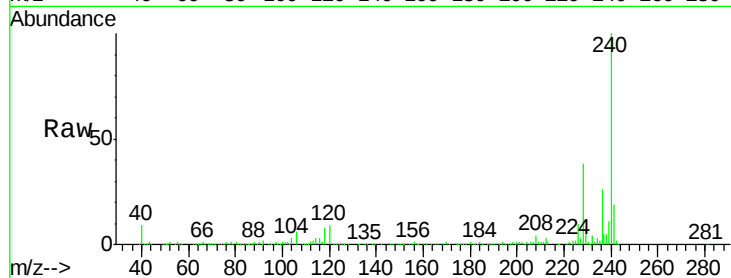
Tot Ion:240 Resp: 271782

Ion Ratio Lower Upper

240 100

120 9.4 9.7 14.5#

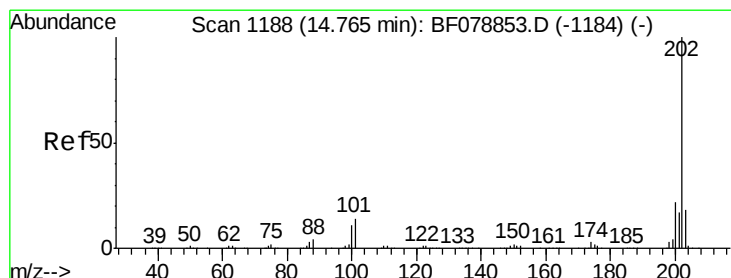
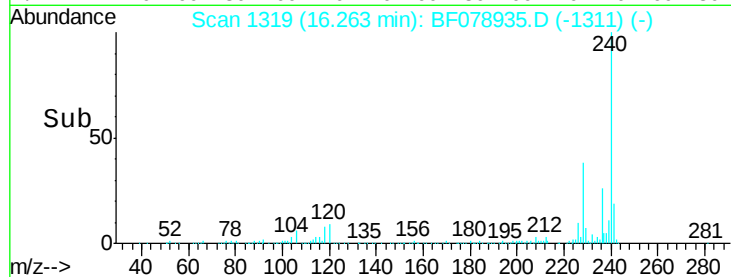
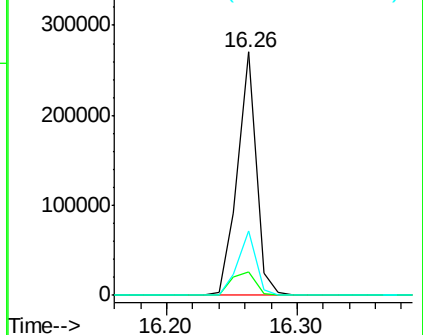
236 26.3 20.2 30.4



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



#77

Pyrene

Concen: 80.98 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

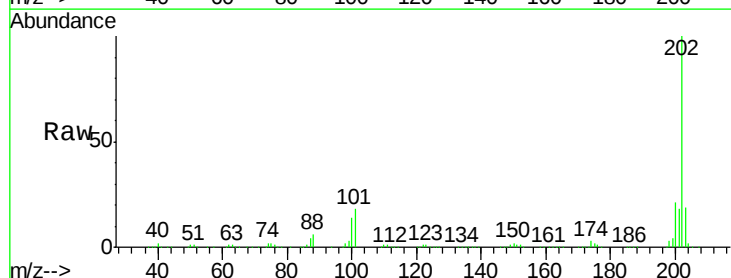
Tgt Ion:202 Resp: 1268328

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

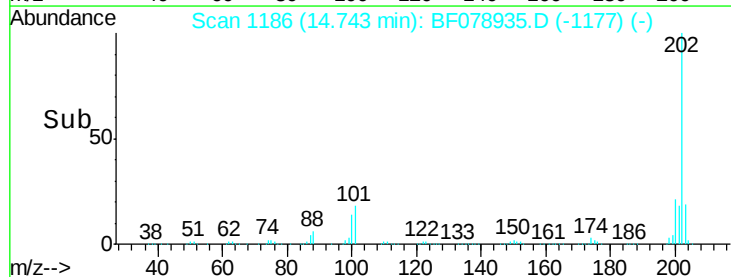
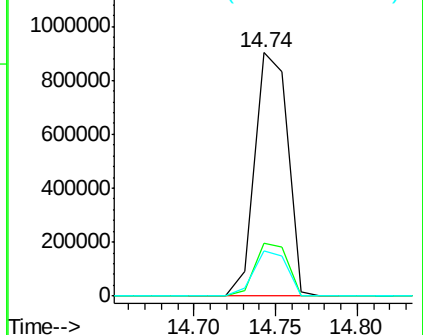
203 18.8 13.9 20.9

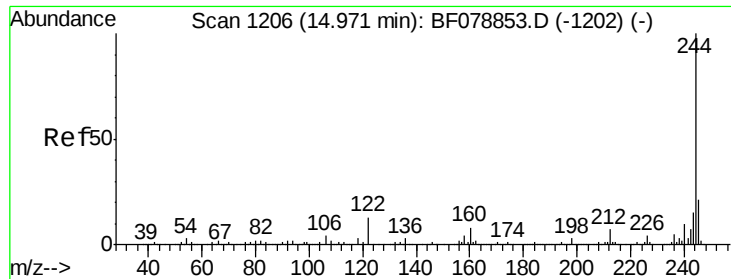


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

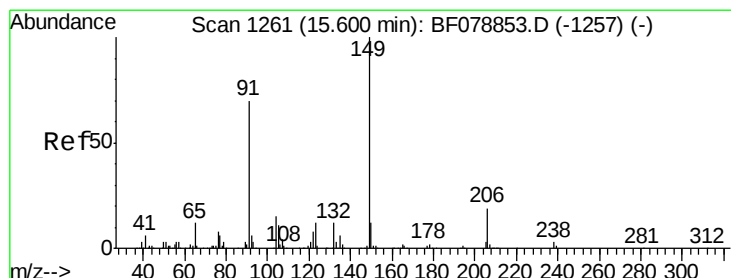
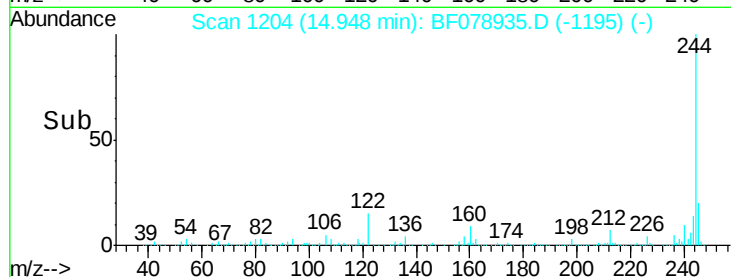
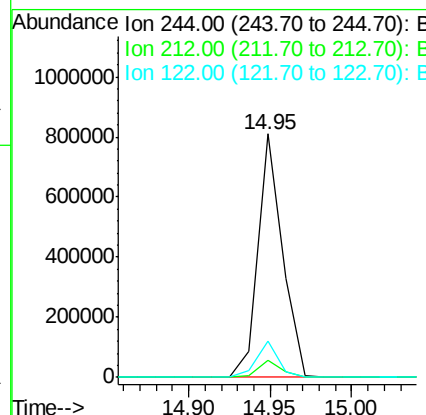
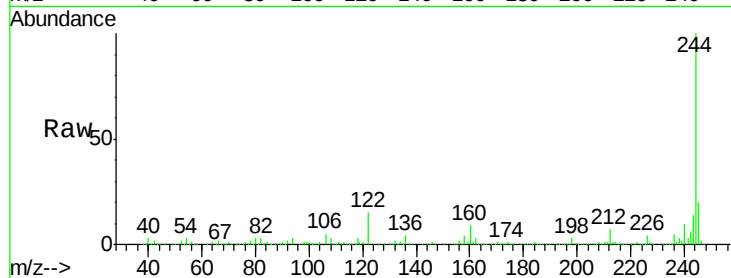




#78
 Terphenyl-d14
 Concen: 74.47 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

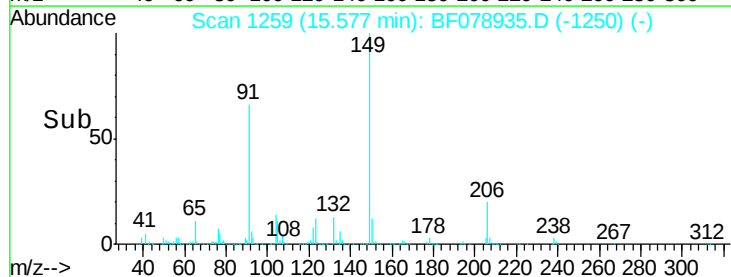
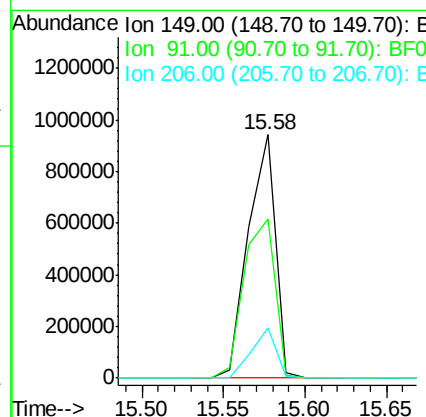
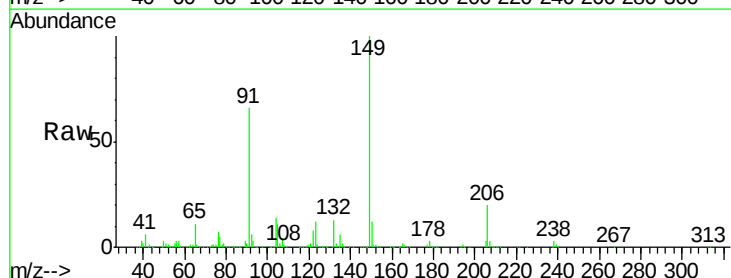
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

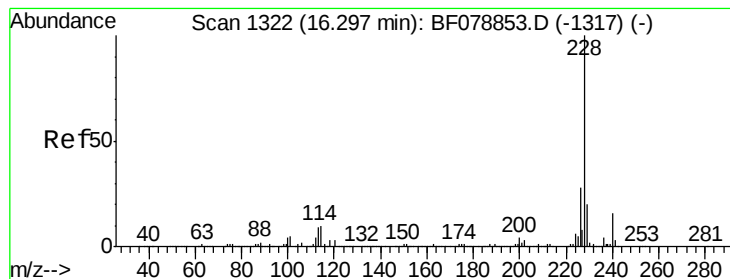
Tot Ion:244 Resp: 845428
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 14.8 10.3 15.5



#79
 Butylbenzylphthalate
 Concen: 159.23 ng
 RT: 15.58 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:149 Resp: 1090104
 Ion Ratio Lower Upper
 149 100
 91 65.6 64.6 97.0
 206 20.5 12.2 18.4#





#80

Benzo(a)anthracene

Concen: 87.99 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

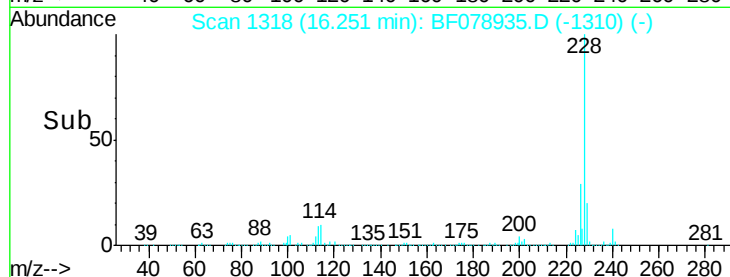
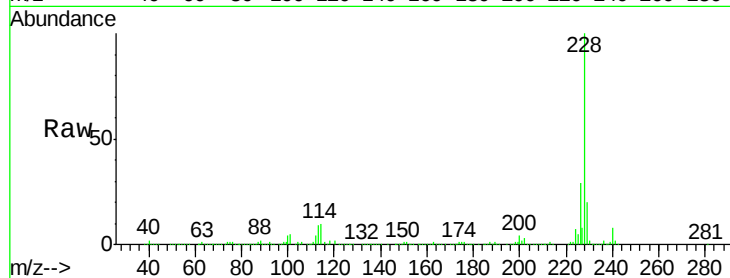
Tot Ion:228 Resp: 1309608

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.4	15.9	23.9

228 100

226 28.8 22.6 33.8

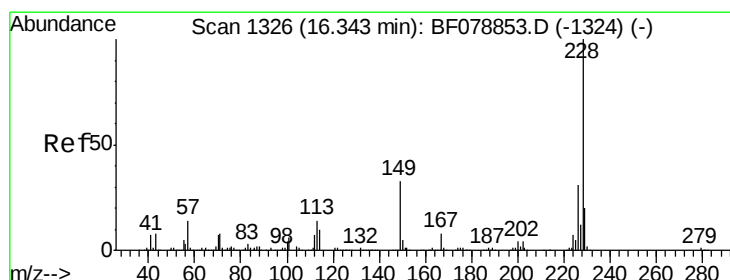
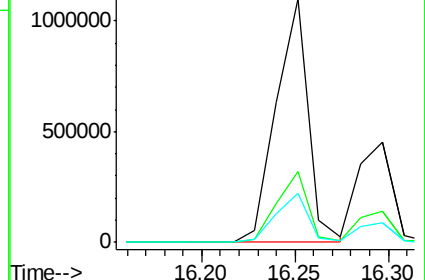
229 20.4 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 40.37 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

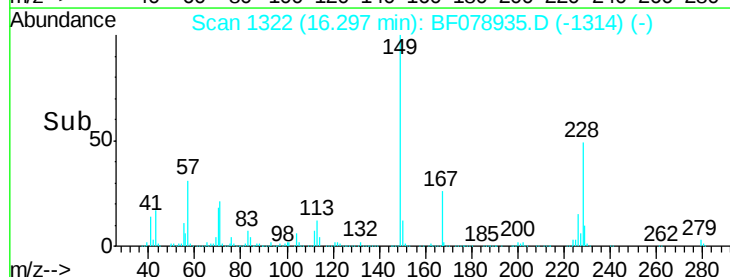
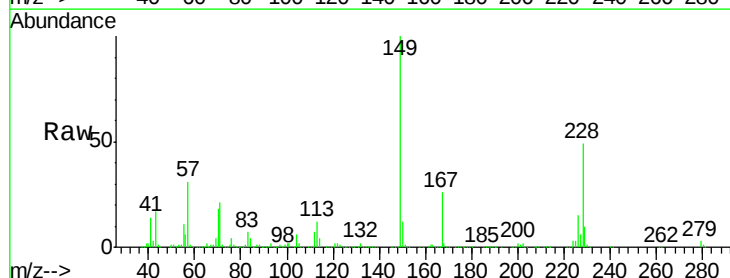
Tgt Ion:228 Resp: 577883

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	19.5	16.0	24.0

228 100

226 30.5 24.9 37.3

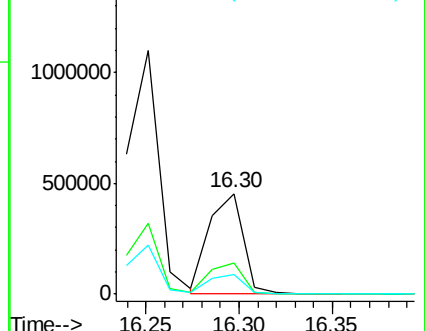
229 19.5 16.0 24.0

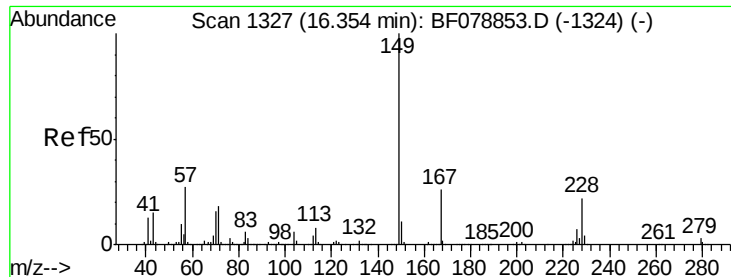


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 95.16 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

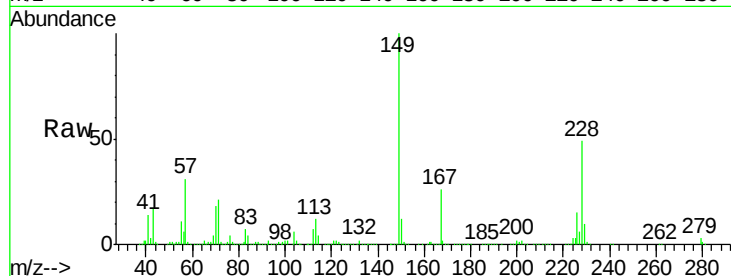
Tot Ion:149 Resp: 986769

Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.8

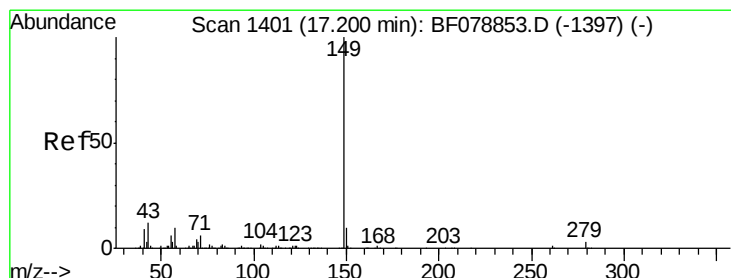
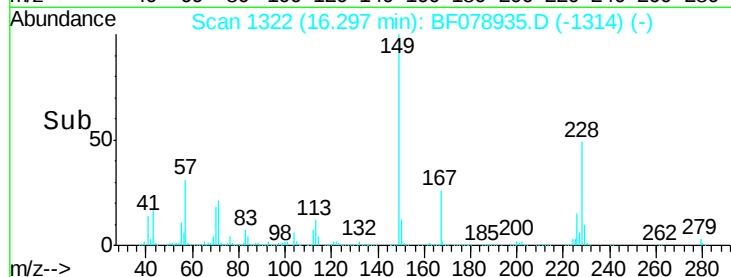
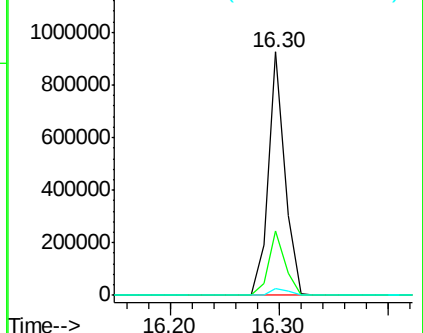
279 2.8 2.9 4.3#



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: 91.86 ng

RT: 17.12 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

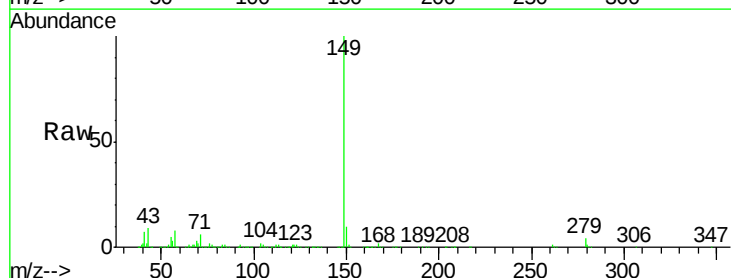
Tgt Ion:149 Resp: 1677606

Ion Ratio Lower Upper

149 100

167 1.6 0.0 0.0#

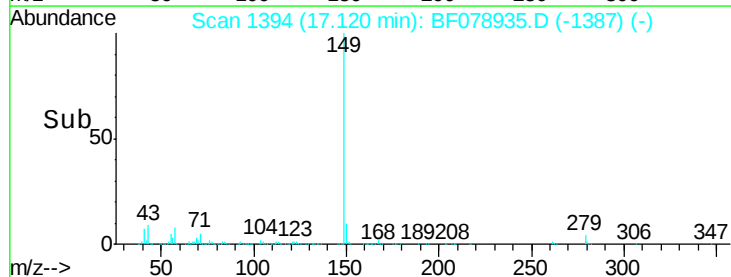
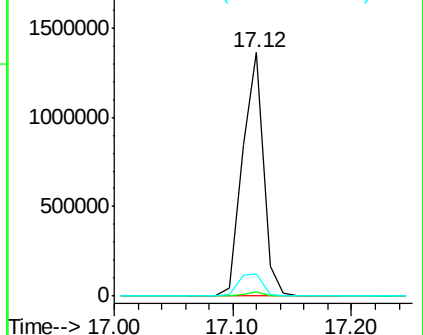
43 10.9 0.0 0.0#

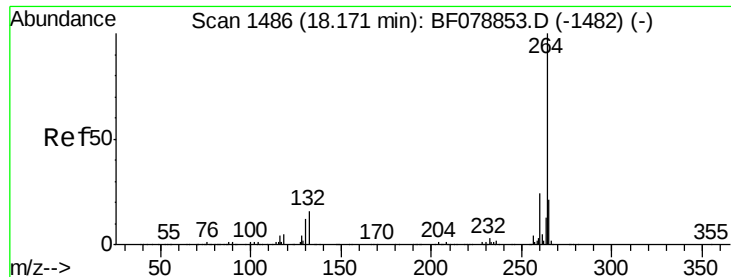


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

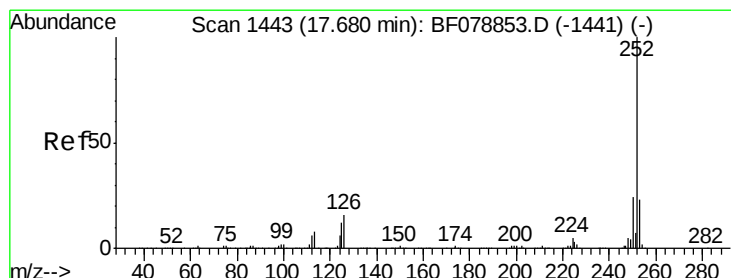
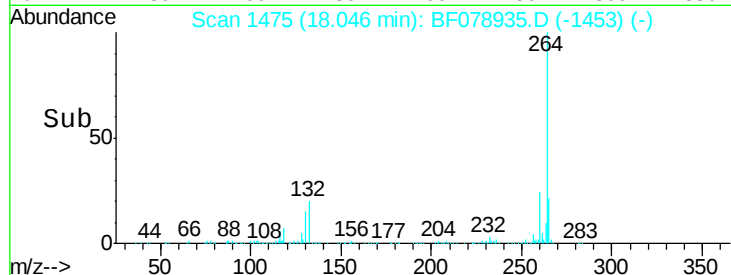
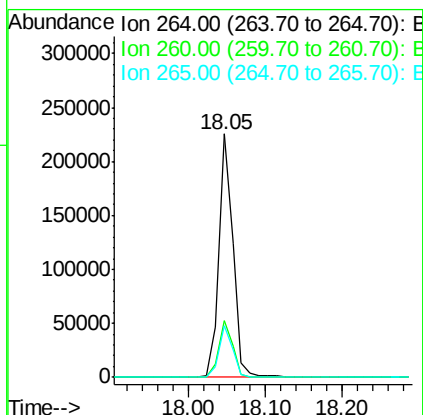
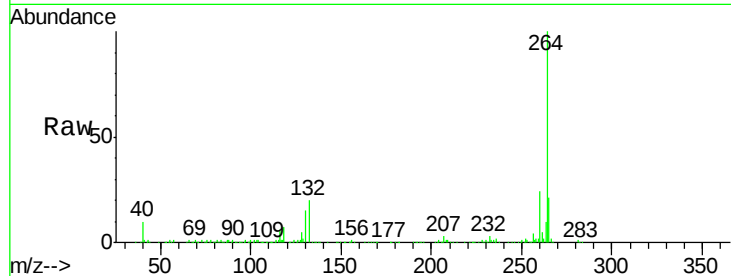




#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.05 min Scan# 1475
Delta R.T. -0.05 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

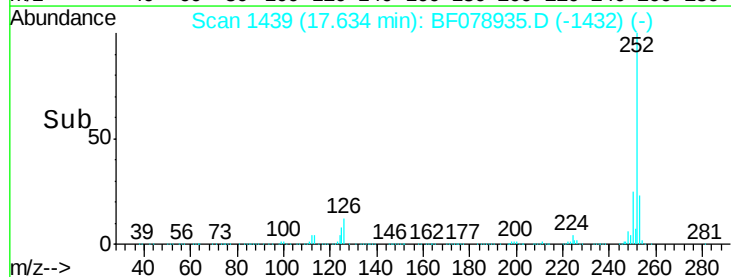
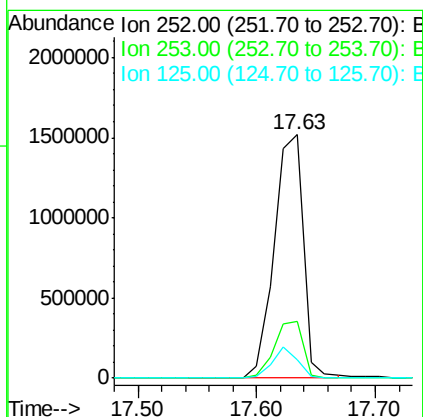
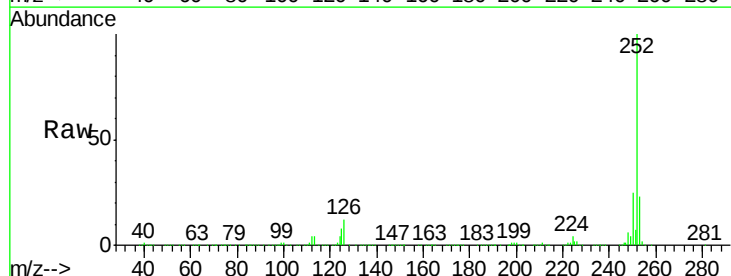
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

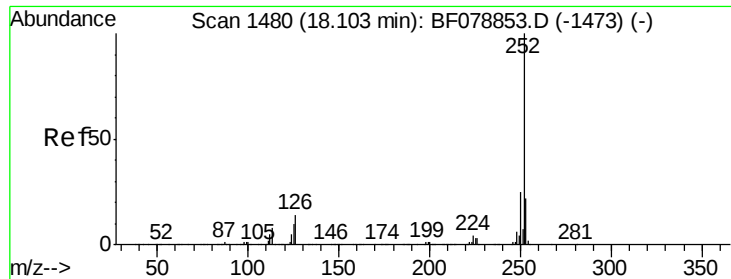
Tot Ion:264 Resp: 290401
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.1 18.3 27.5



#88
Benzo(k)fluoranthene
Concen: 166.59 ng
RT: 17.63 min Scan# 1439
Delta R.T. -0.02 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion:252 Resp: 2563530
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 7.5 10.0 15.0#





#89
 Benzo(a)pyrene
 Concen: 49.49 ng
 RT: 17.99 min Scan# 1470
 Delta R.T. -0.03 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	8.1	7.0	10.6

