

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121515\
 Data File : BF083813.D
 Acq On : 15 Dec 2015 12:25
 Operator : UM/IZ
 Sample : G4760-01 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

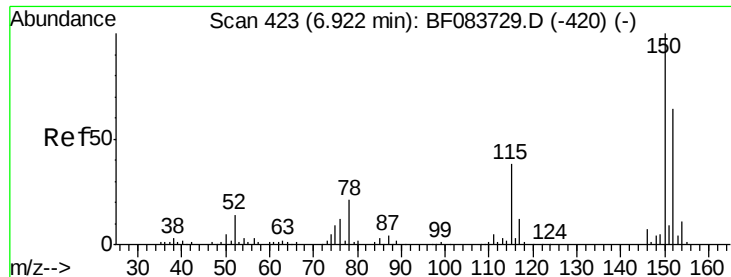
Quant Time: Dec 16 00:44:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	107535	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	417941	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	196884	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	301164	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	228214	20.00	ng	-0.02
86) Perylene-d12	15.49	264	239192	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	171195	25.68	ng	-0.03
7) Phenol-d6	6.52	99	238435	28.25	ng	-0.02
23) Nitrobenzene-d5	7.46	82	125086	16.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	44871	22.37	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	193481	12.11	ng	-0.02
78) Terphenyl-d14	13.00	244	123398	11.63	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.30	79	86236	10.63	ng	# 26
9) Benzaldehyde	6.45	77	27447	6.05	ng	# 1
18) Hexachloroethane	7.41	117	44507	14.92	ng	# 5
22) Acetophenone	7.30	105	26038	2.54	ng	# 69
31) Naphthalene	8.20	128	243355	11.17	ng	# 98
33) 4-Chloroaniline	8.20	127	39632	4.45	ng	# 34
35) Caprolactam	8.62	113	5150	2.66	ng	# 23
37) 2-Methylnaphthalene	9.00	142	1304544	95.38	ng	# 92
48) Acenaphthylene	9.80	152	271900	12.55	ng	# 92
49) Dimethylphthalate	9.65	163	53270	3.47	ng	# 81
51) Acenaphthene	9.97	154	140968	10.76	ng	# 98
53) 2,4-Dinitrophenol	10.00	184	1259	3.60	ng	# 1
54) Dibenzofuran	10.14	168	55429	3.19	ng	# 57
55) 4-Nitrophenol	10.26	139	6574	2.36	ng	# 92
57) Fluorene	10.49	166	86428	6.32	ng	# 94
65) n-Nitrosodiphenylamine	10.60	169	38195	3.71	ng	# 96
70) Phenanthrene	11.45	178	879827	54.99	ng	# 99
71) Anthracene	11.50	178	417748	25.14	ng	# 99
74) Fluoranthene	12.65	202	394874	23.89	ng	# 95
77) Pyrene	12.86	202	652345	36.17	ng	# 99
79) Butylbenzylphthalate	13.53	149	37981	4.91	ng	# 33
80) Benzo(a)anthracene	14.04	228	371159	28.60	ng	# 95
82) Chrysene	14.04	228	371159	29.32	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.91	276	62056	4.99	ng	# 100
87) Benzo(b)fluoranthene	15.08	252	250792	16.44	ng	# 96
88) Benzo(k)fluoranthene	15.08	252	250205	18.10	ng	# 100
89) Benzo(a)pyrene	15.44	252	207010	15.20	ng	# 98
91) Benzo(g,h,i)perylene	17.35	276	66364	4.77	ng	# 99

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

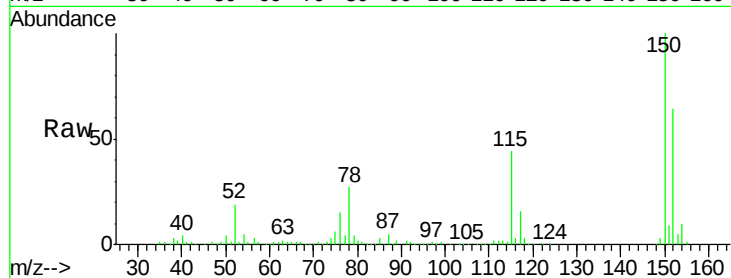


#1

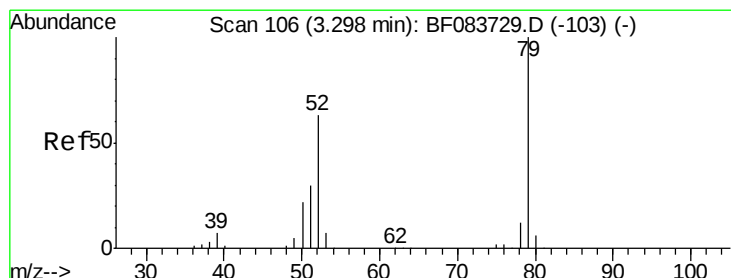
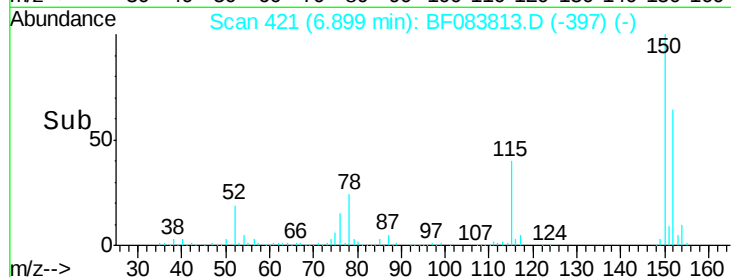
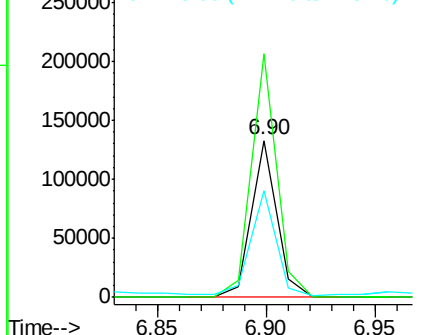
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

Tgt Ion:152 Resp: 107535
Ion Ratio Lower Upper
152 100
150 155.4 126.5 189.7
115 67.9 52.3 78.5



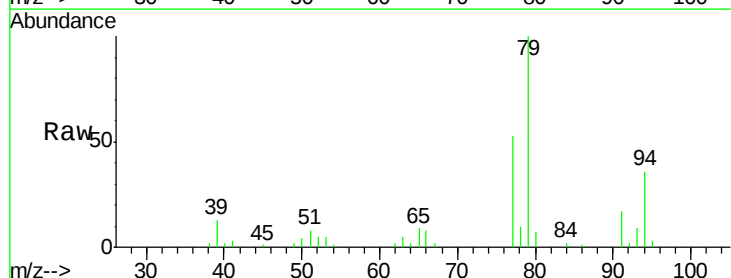
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



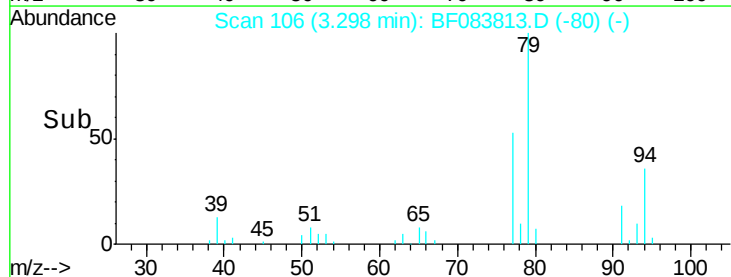
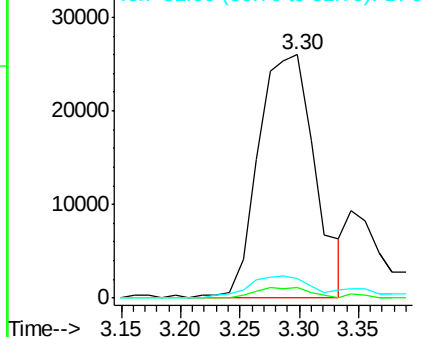
#3

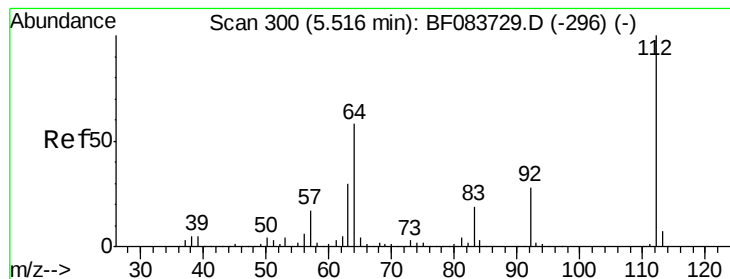
Pyridine
Concen: 10.63 ng
RT: 3.30 min Scan# 106
Delta R.T. 0.00 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

Tgt Ion: 79 Resp: 86236
Ion Ratio Lower Upper
79 100
52 4.6 63.7 95.5#
51 8.1 30.6 45.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 25.68 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.03 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

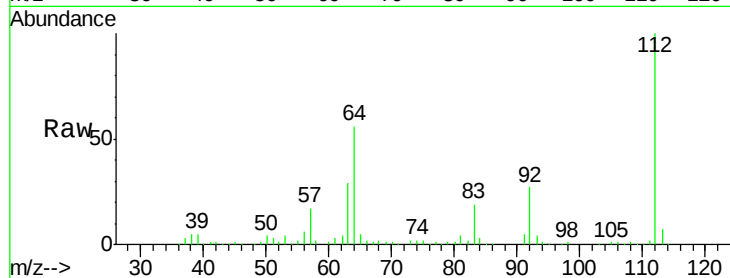
Tgt Ion: 112 Resp: 171195

Ion Ratio Lower Upper

112 100

64 56.2 50.5 75.7

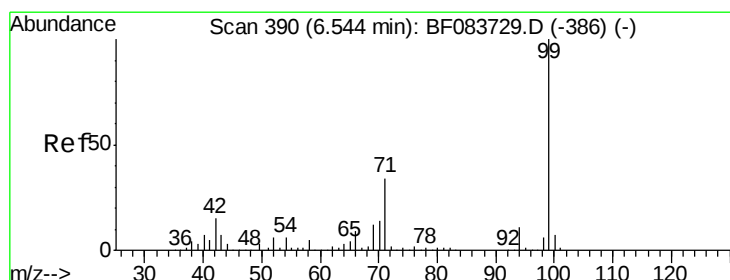
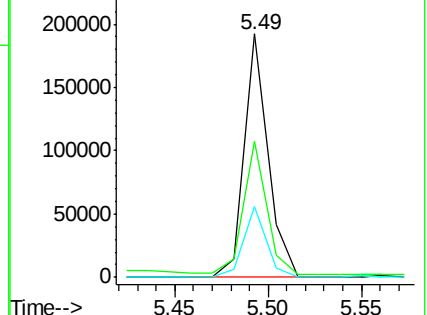
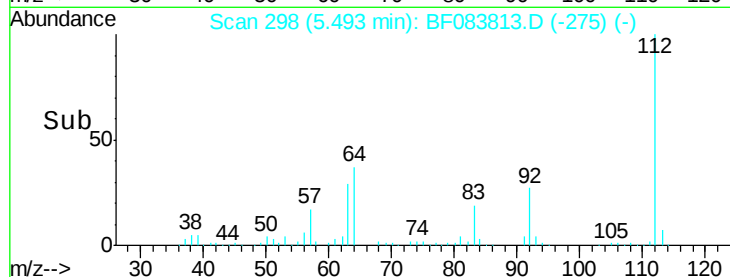
63 29.0 25.8 38.6



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: 28.25 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

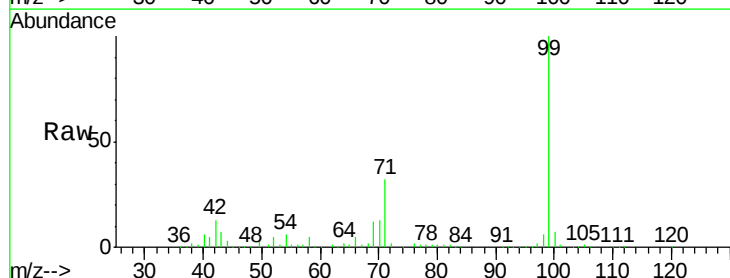
Tgt Ion: 99 Resp: 238435

Ion Ratio Lower Upper

99 100

42 13.3 17.3 25.9#

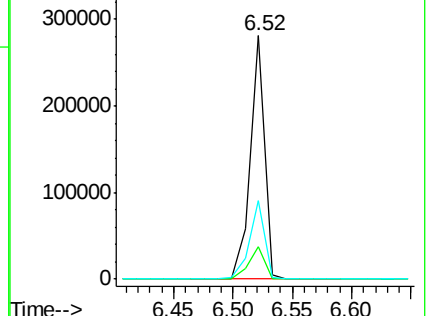
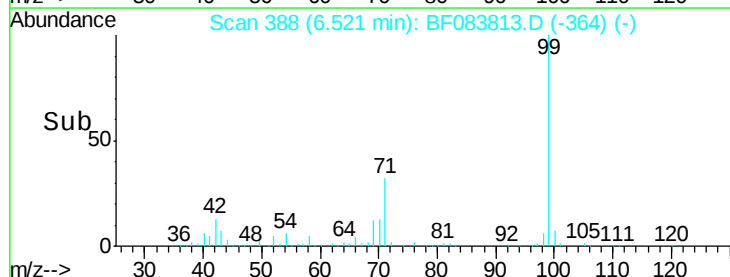
71 32.2 26.6 40.0

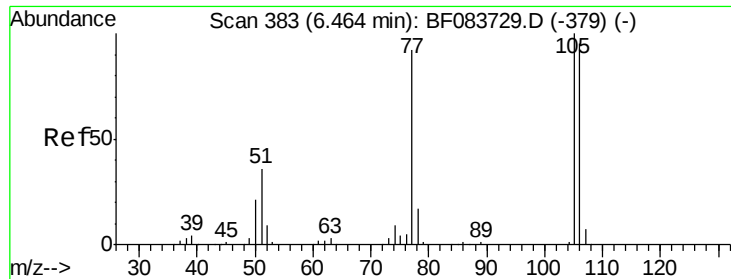


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 6.05 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

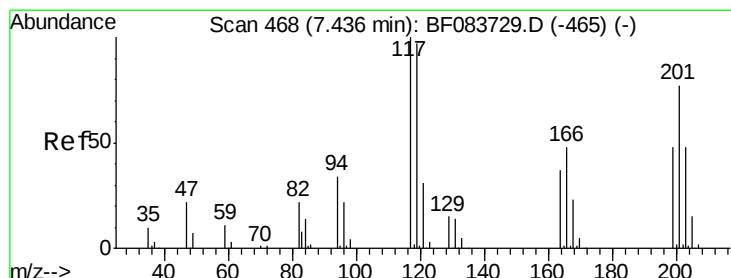
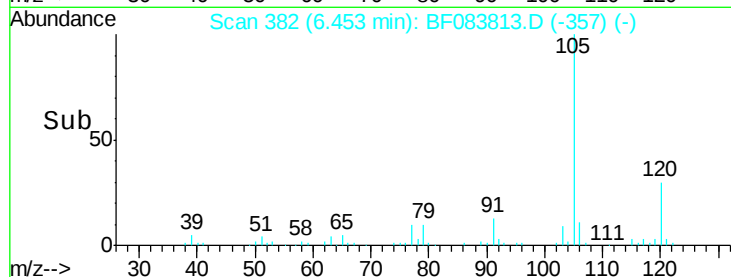
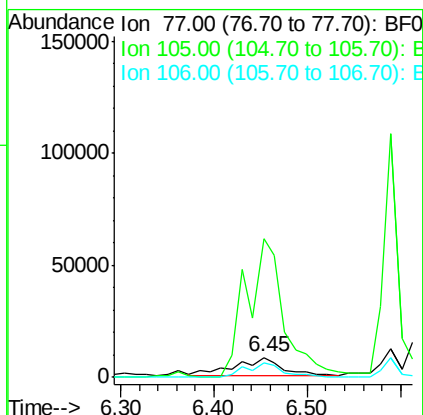
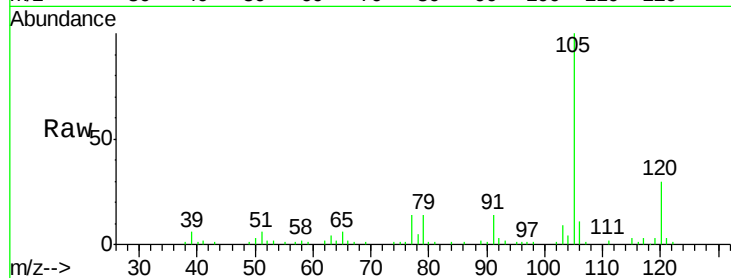
Tgt Ion: 77 Resp: 27447

Ion Ratio Lower Upper

77 100

105 708.6 71.8 111.8#

106 76.1 66.8 106.8



#18

Hexachloroethane

Concen: 14.92 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.03 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

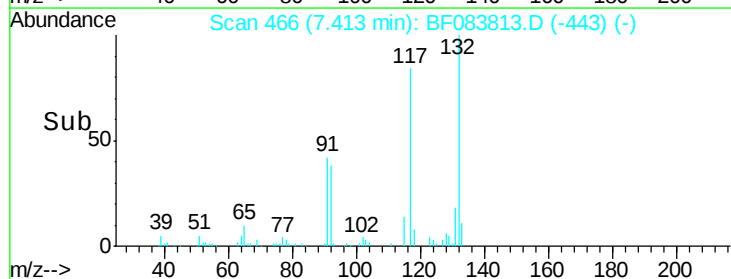
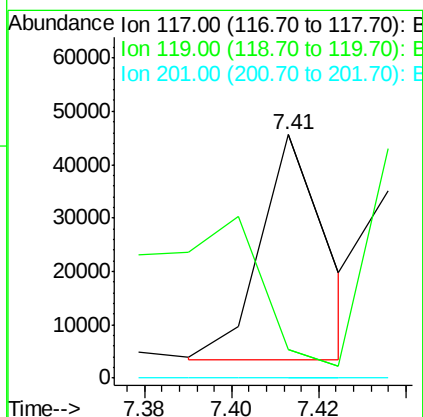
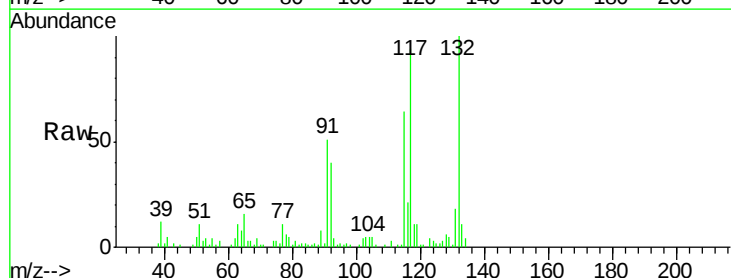
Tgt Ion: 117 Resp: 44507

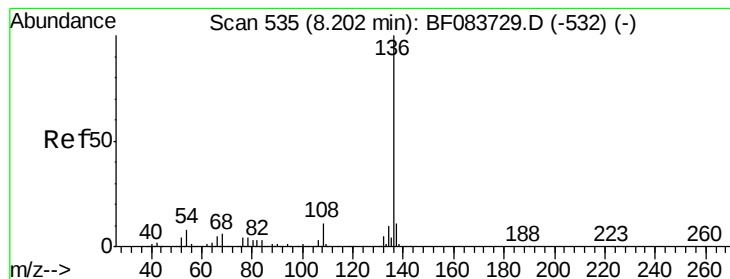
Ion Ratio Lower Upper

117 100

119 11.8 77.2 115.8#

201 0.0 86.8 130.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

Tgt Ion:136 Resp: 417941

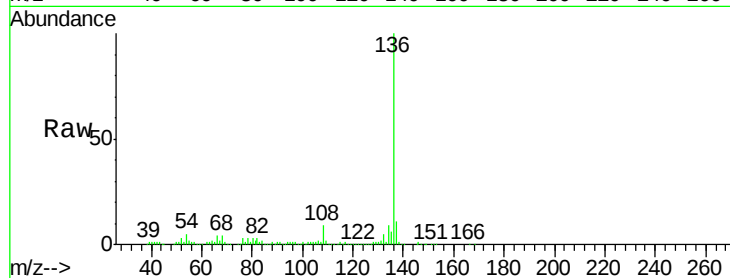
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 4.8 7.8 11.6#

68 4.4 5.7 8.5#

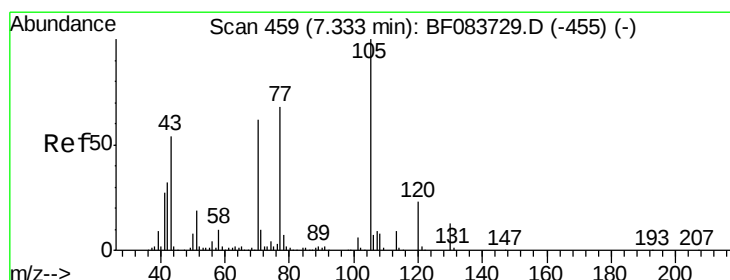
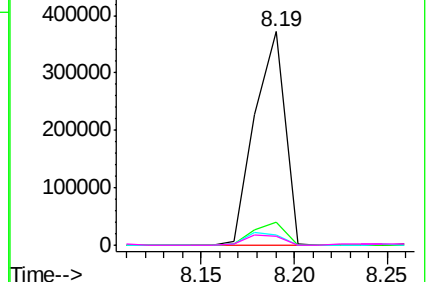
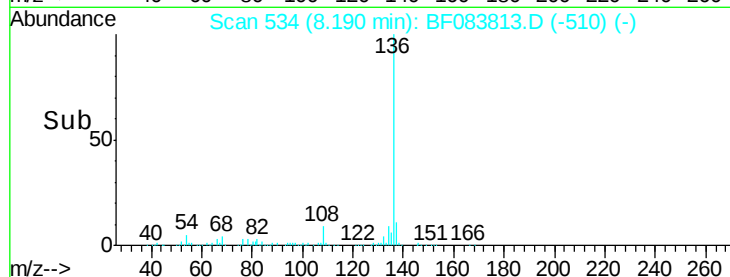


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.54 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.03 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Tgt Ion:105 Resp: 26038

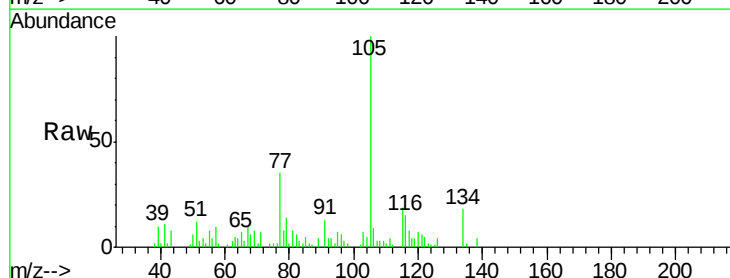
Ion Ratio Lower Upper

105 100

71 6.6 1.3 1.9#

51 12.4 23.8 35.8#

120 6.8 16.7 25.1#

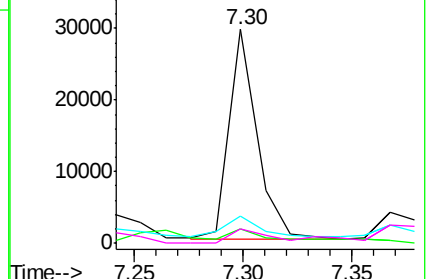
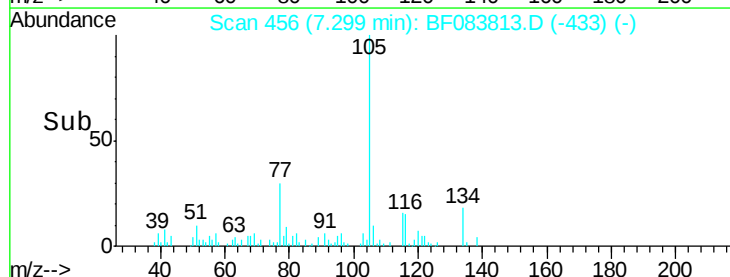


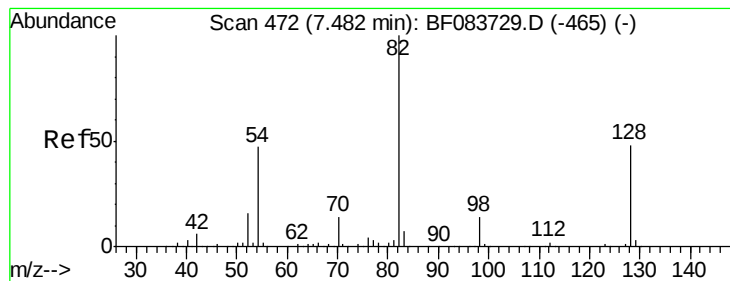
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 16.74 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

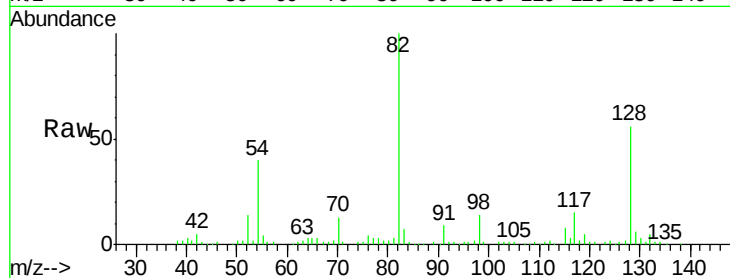
Tgt Ion: 82 Resp: 125086

Ion Ratio Lower Upper

82 100

128 55.6 30.7 46.1#

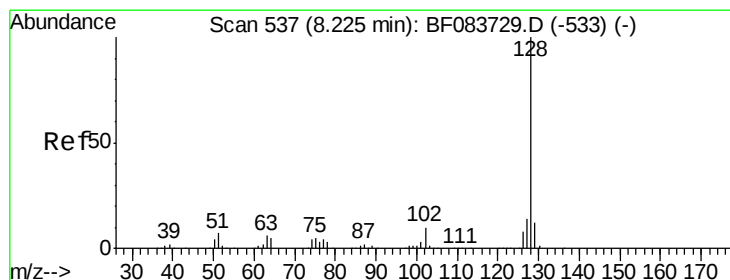
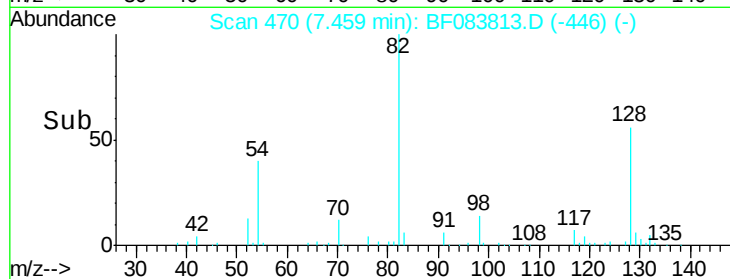
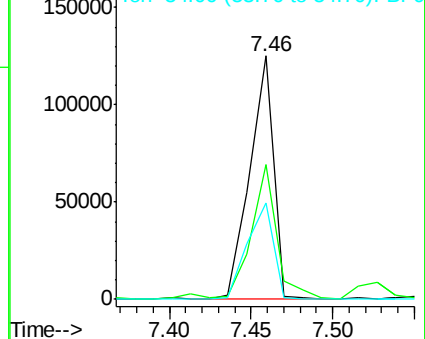
54 39.9 42.5 63.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 11.17 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

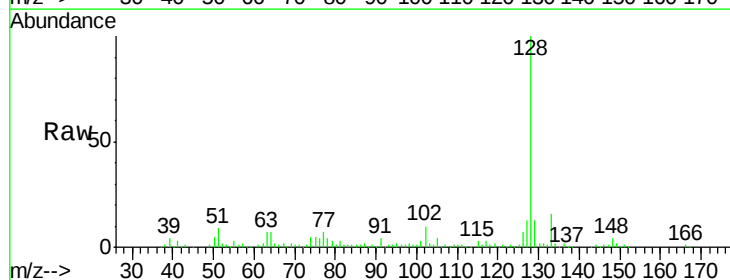
Tgt Ion: 128 Resp: 243355

Ion Ratio Lower Upper

128 100

129 12.7 8.6 13.0

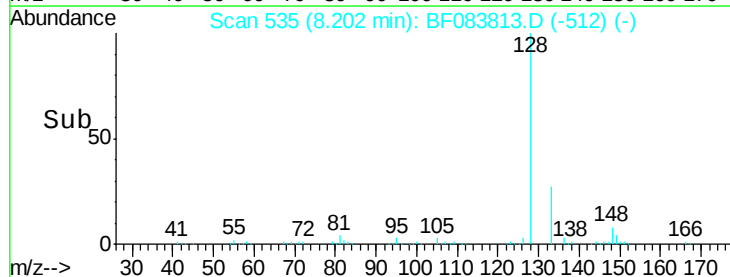
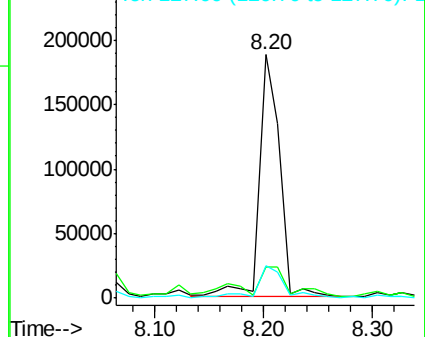
127 13.5 10.6 16.0

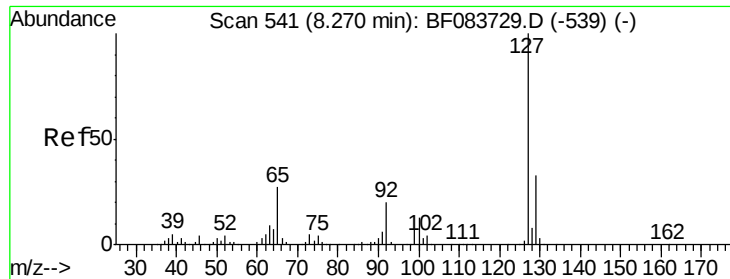


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

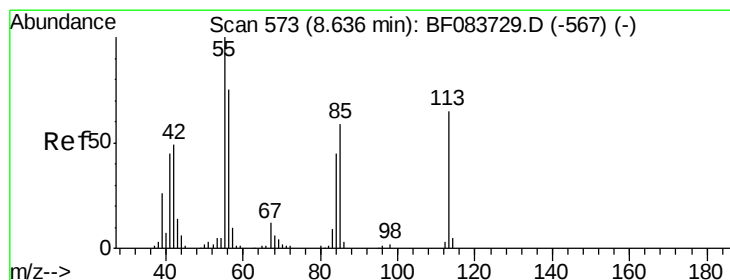
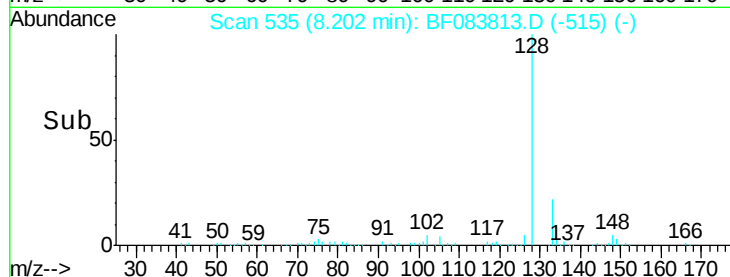
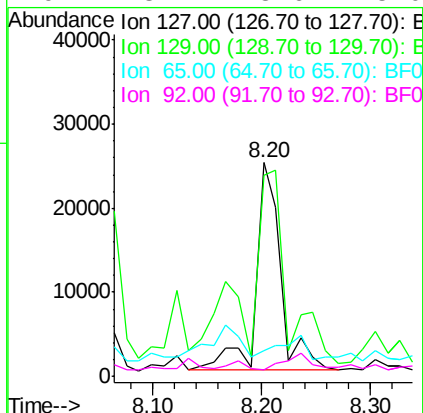
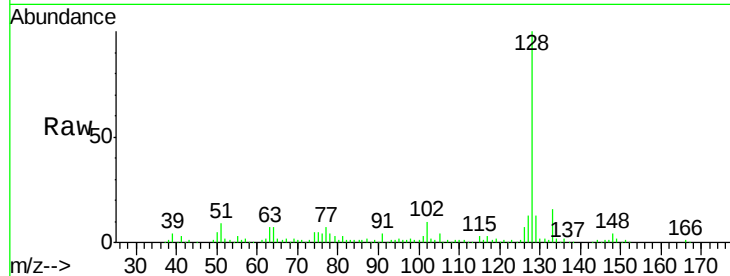




#33
4-Chloroaniline
Concen: 4.45 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.07 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

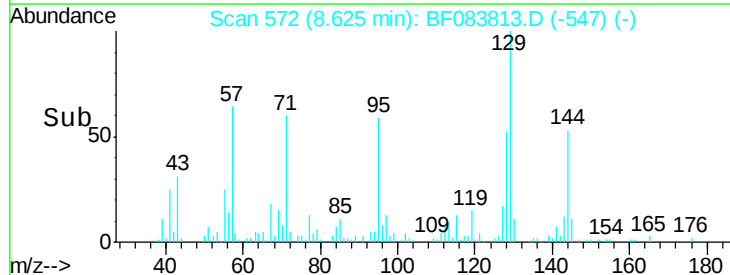
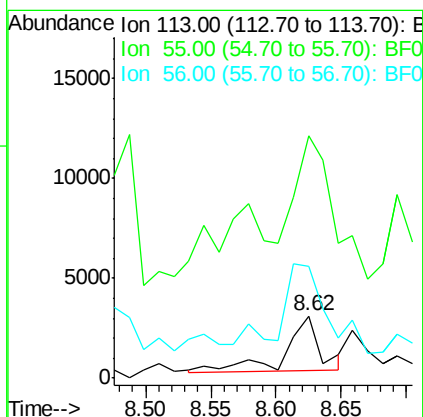
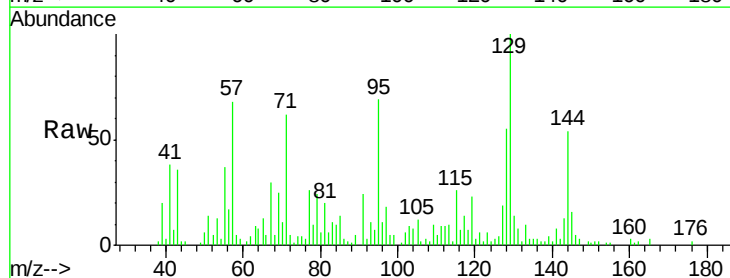
Instrument :
BNA_F
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WC121015-SOIL-POPH

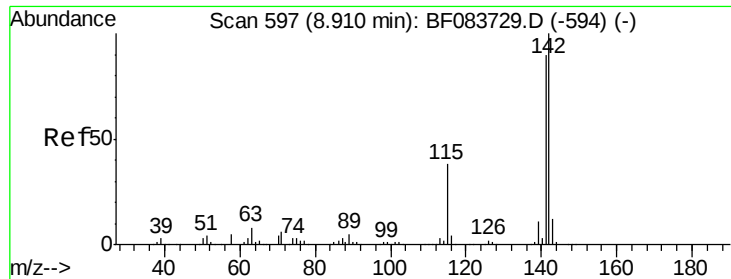
Tgt Ion:	127	Resp:	39632
Ion Ratio		Lower	Upper
127	100		
129	94.0	26.1	39.1#
65	12.2	33.5	50.3#
92	3.2	18.6	28.0#



#35
Caprolactam
Concen: 2.66 ng
RT: 8.62 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

Tgt Ion:	113	Resp:	5150
Ion Ratio		Lower	Upper
113	100		
55	390.8	189.7	229.7#
56	179.4	130.7	170.7#

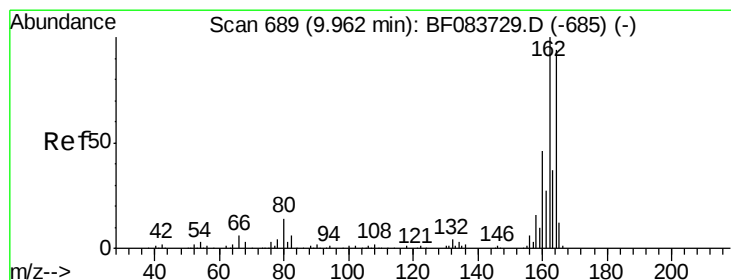
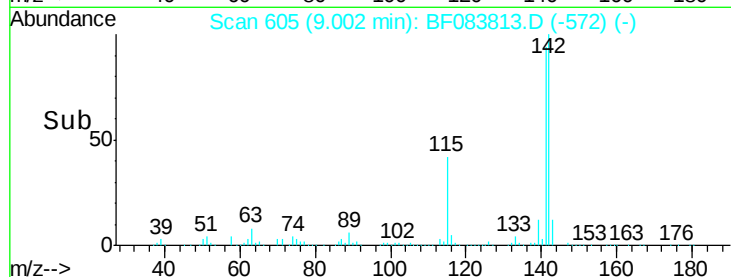
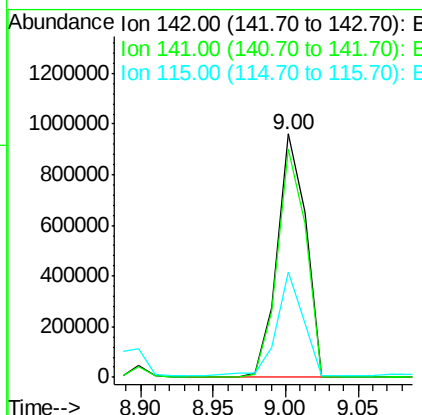
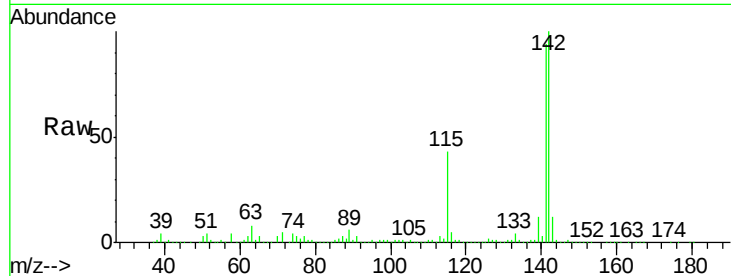




#37
2-Methylnaphthalene
Concen: 95.38 ng
RT: 9.00 min Scan# 605
Delta R.T. 0.08 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

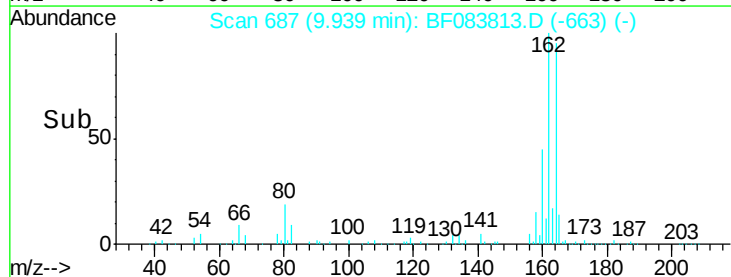
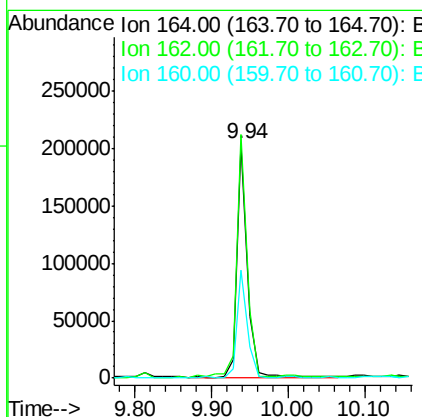
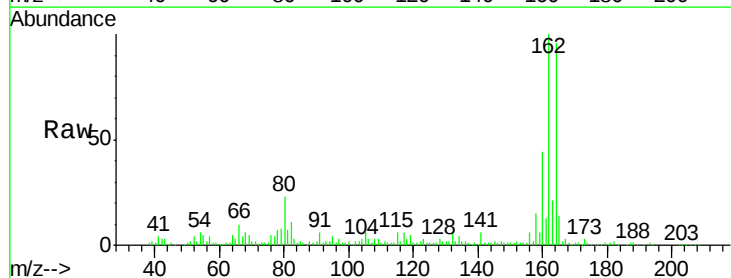
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

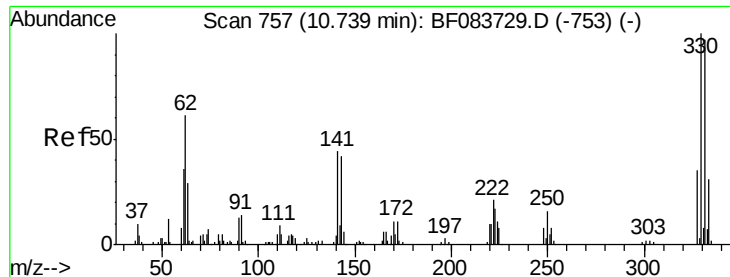
Tgt Ion:142 Resp: 1304544
Ion Ratio Lower Upper
142 100
141 93.9 70.3 105.5
115 43.1 29.2 43.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

Tgt Ion:164 Resp: 196884
Ion Ratio Lower Upper
164 100
162 104.2 78.8 118.2
160 46.3 33.4 50.2

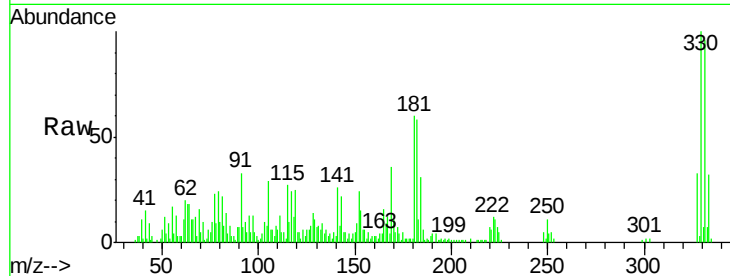




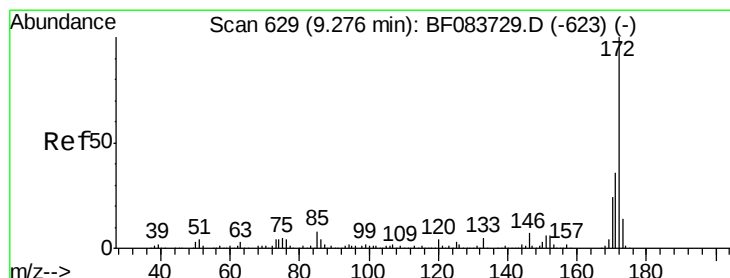
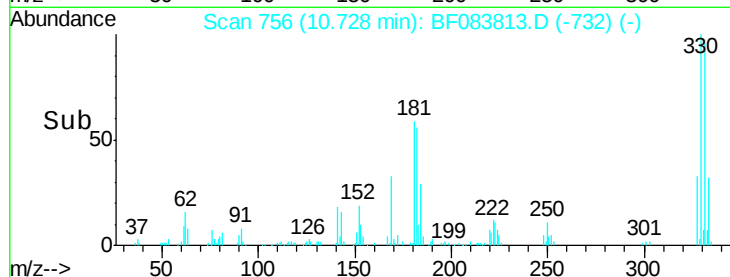
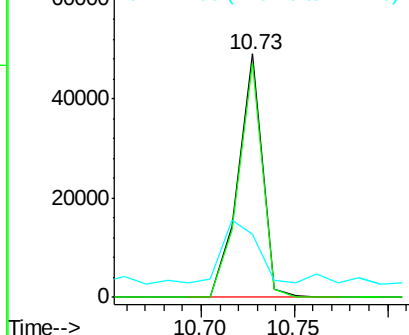
#41
 2,4,6-Tribromophenol
 Concen: 22.37 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083813.D
 Acq: 15 Dec 2015 12:25

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

Tgt Ion:330 Resp: 44871
 Ion Ratio Lower Upper
 330 100
 332 95.3 0.0 0.0#
 141 37.1 0.0 0.0#

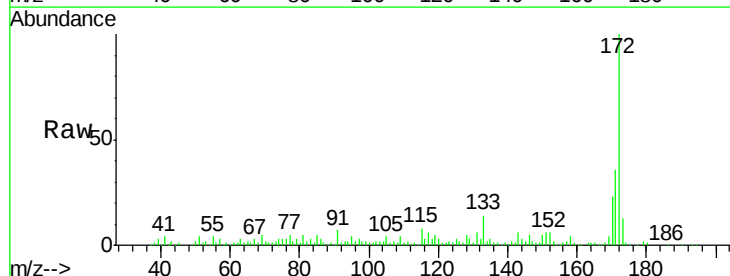


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

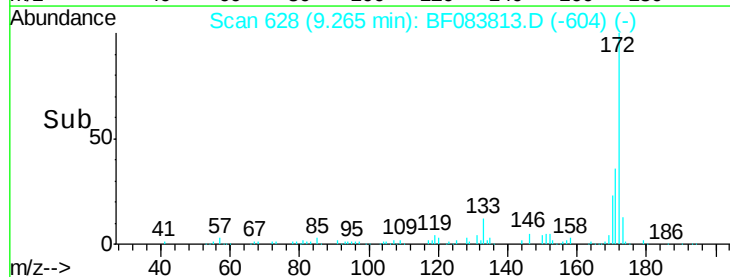
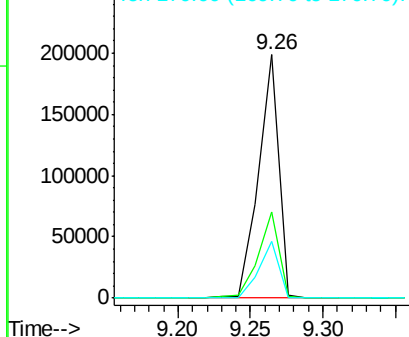


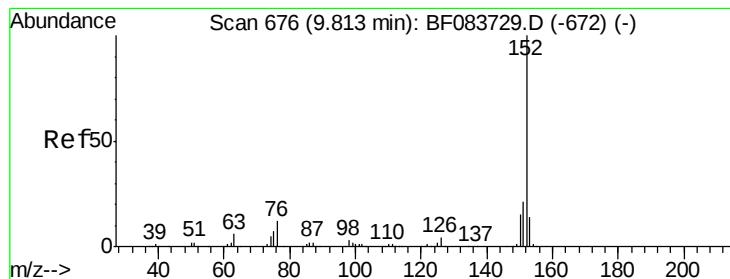
#44
 2-Fluorobiphenyl
 Concen: 12.11 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083813.D
 Acq: 15 Dec 2015 12:25

Tgt Ion:172 Resp: 193481
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 42.8
 170 23.2 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: 12.55 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

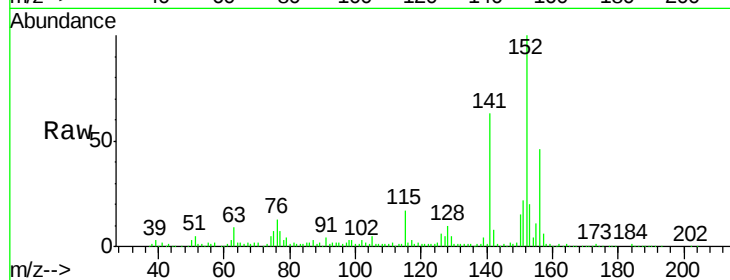
Tgt Ion:152 Resp: 271900

Ion Ratio Lower Upper

152 100

151 21.7 16.3 24.5

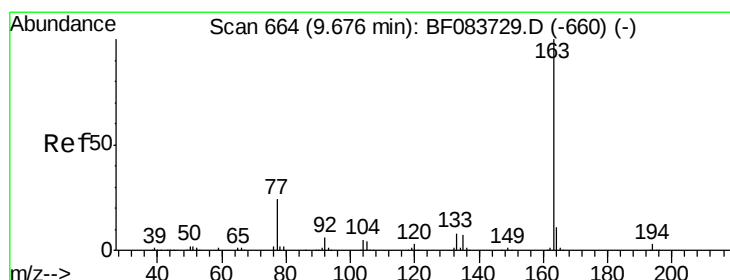
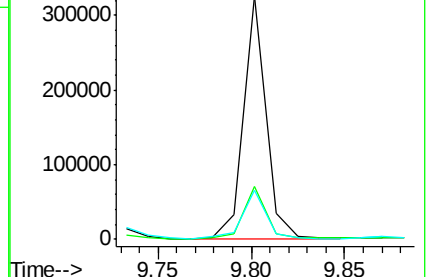
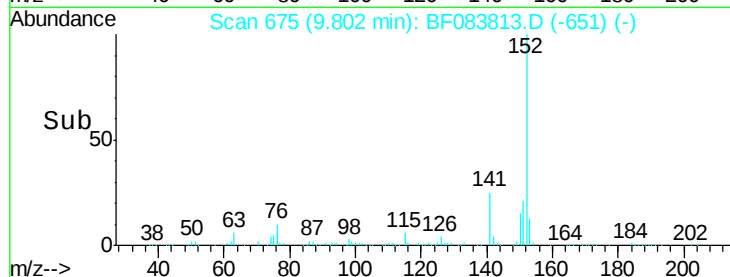
153 20.0 10.8 16.2#



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



#49

Dimethylphthalate

Concen: 3.47 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.03 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

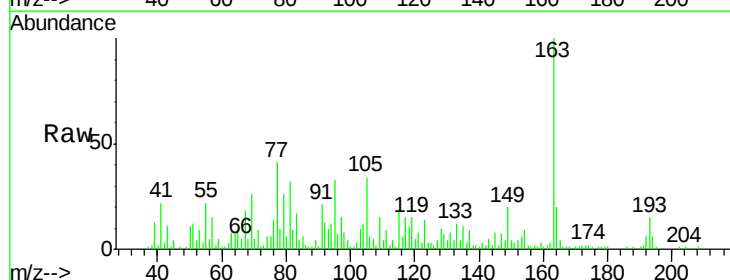
Tgt Ion:163 Resp: 53270

Ion Ratio Lower Upper

163 100

194 6.1 2.8 4.2#

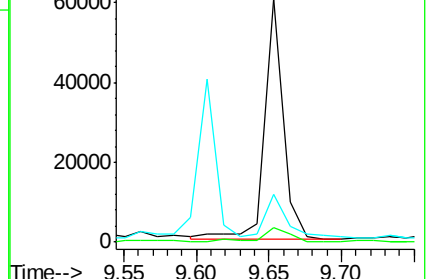
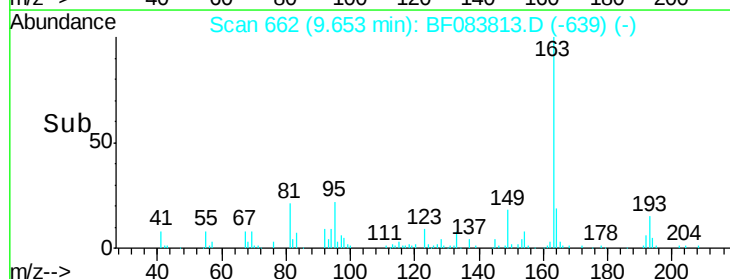
164 19.6 8.6 13.0#

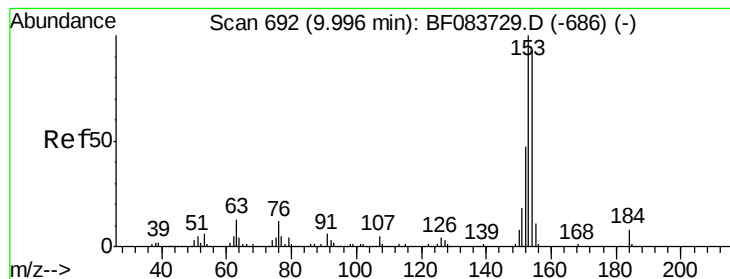


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 10.76 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

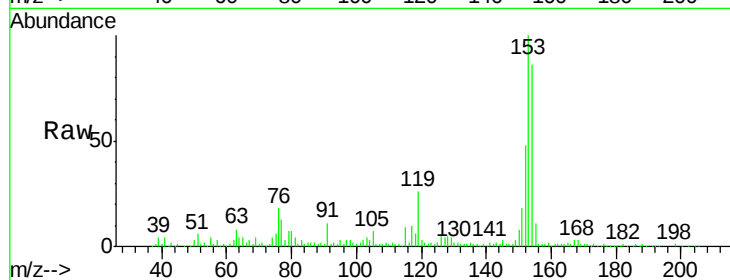
Tgt Ion:154 Resp: 140968

Ion Ratio Lower Upper

154 100

153 115.9 91.4 137.0

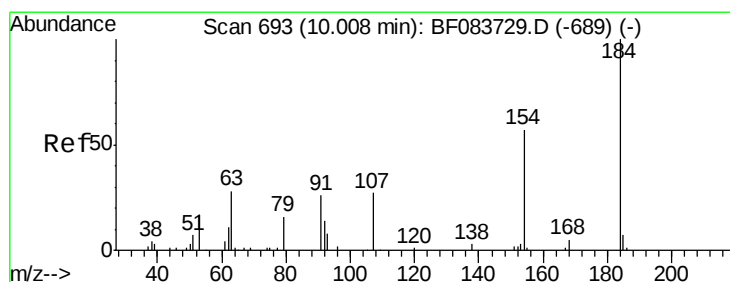
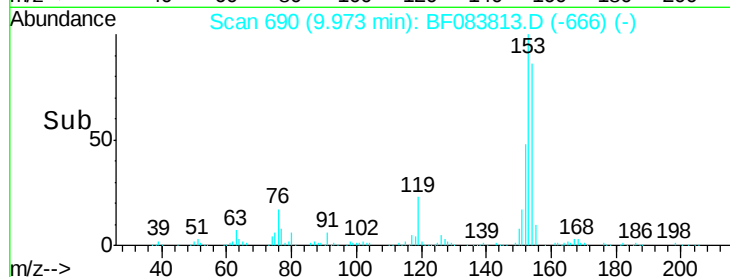
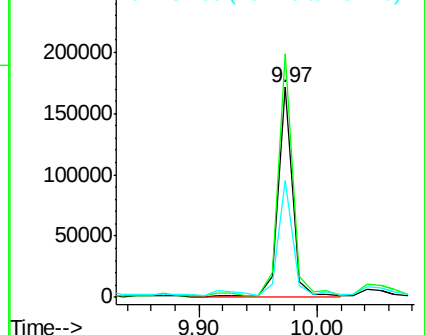
152 55.7 43.4 65.2



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



#53

2,4-Dinitrophenol

Concen: 3.60 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

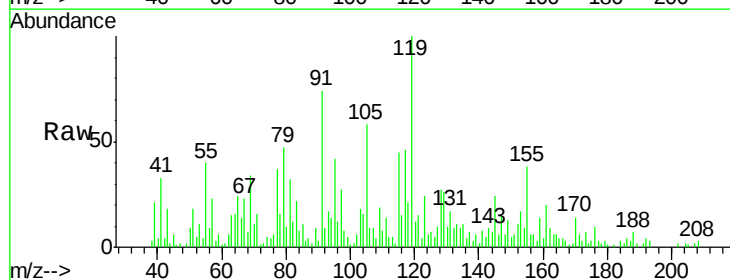
Tgt Ion:184 Resp: 1259

Ion Ratio Lower Upper

184 100

63 547.5 62.4 93.6#

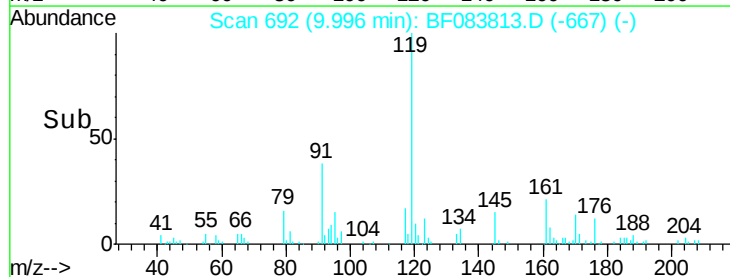
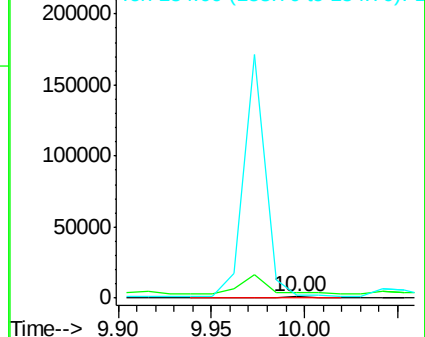
154 318.2 46.6 69.8#

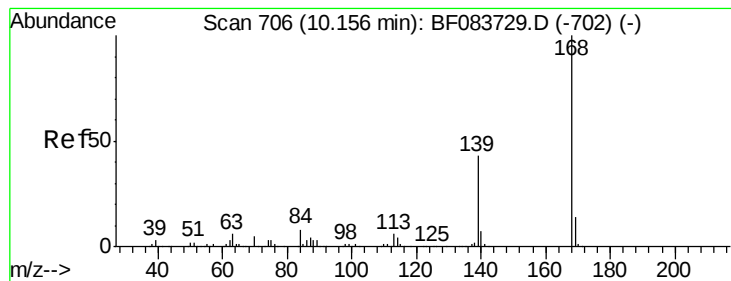


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 3.19 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

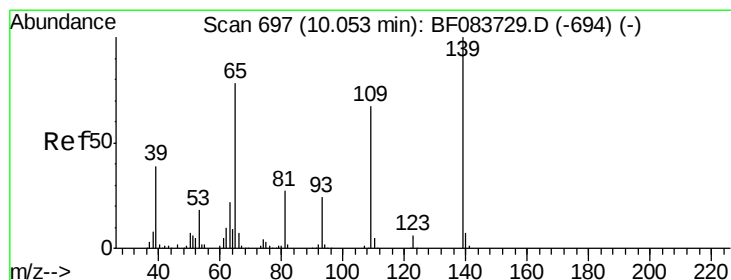
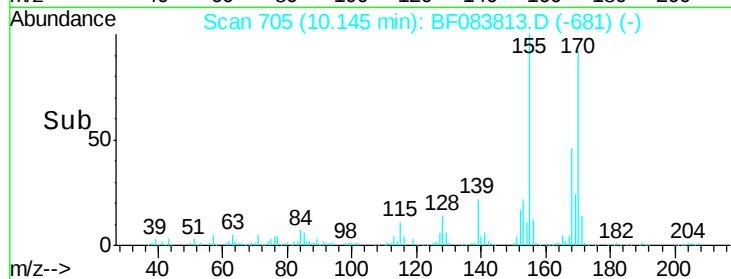
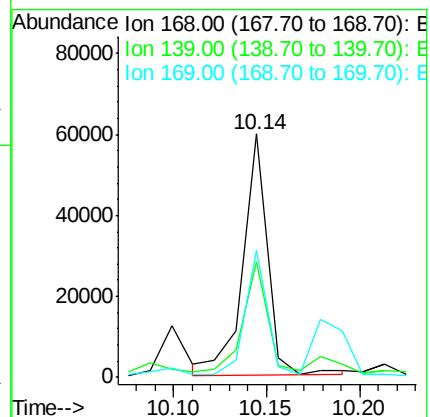
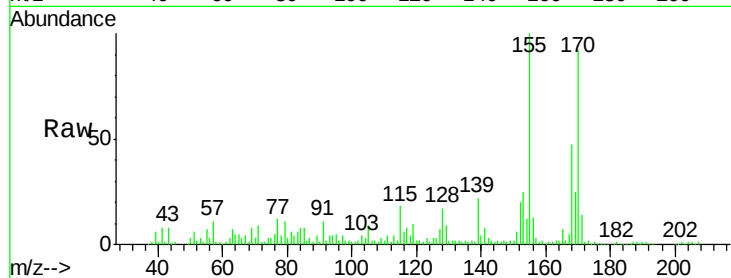
Tgt Ion:168 Resp: 55429

Ion Ratio Lower Upper

168 100

139 47.7 28.0 42.0#

169 52.2 10.8 16.2#



#55

4-Nitrophenol

Concen: 2.36 ng

RT: 10.26 min Scan# 715

Delta R.T. 0.21 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

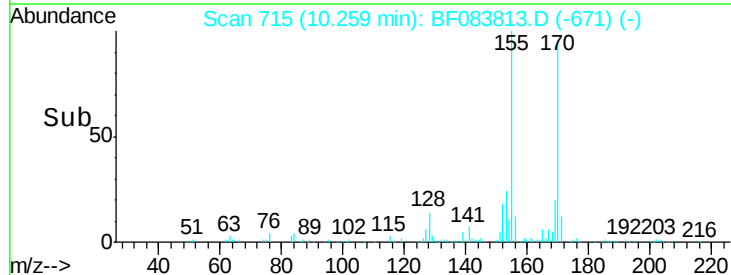
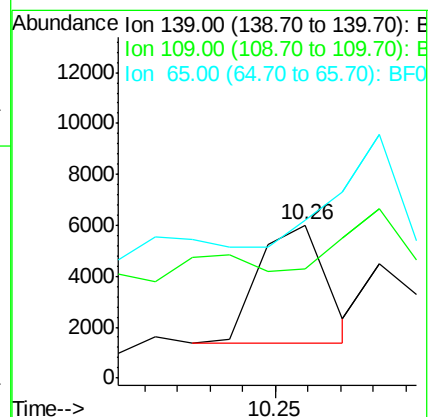
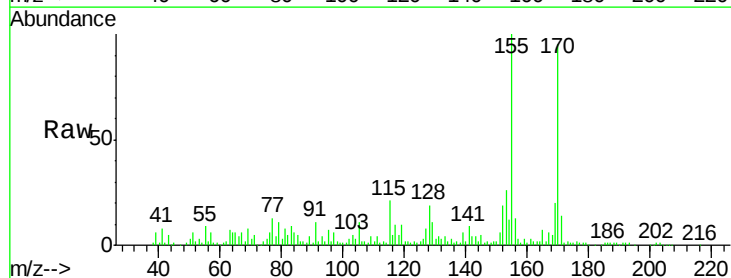
Tgt Ion:139 Resp: 6574

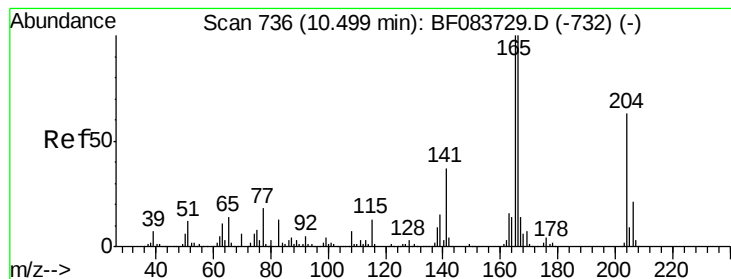
Ion Ratio Lower Upper

139 100

109 71.1 42.0 82.0

65 103.2 89.2 129.2





#57

Fluorene

Concen: 6.32 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

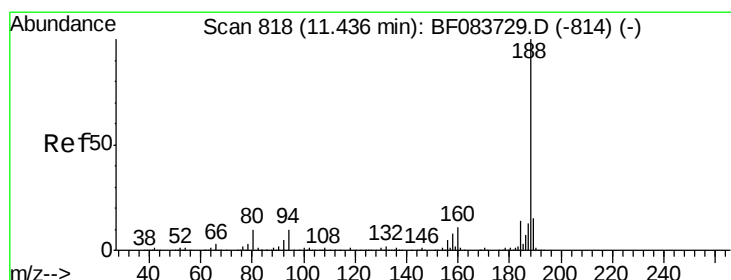
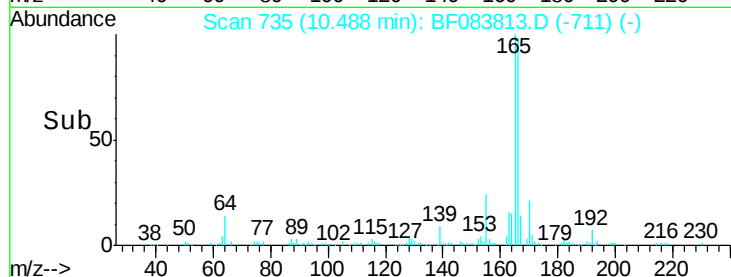
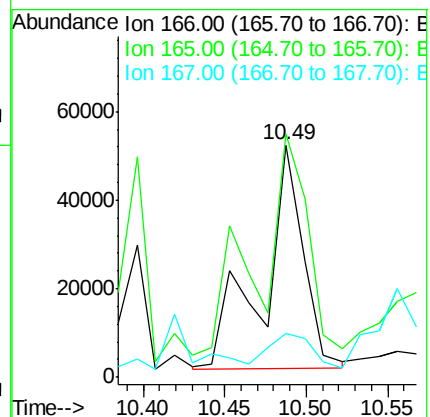
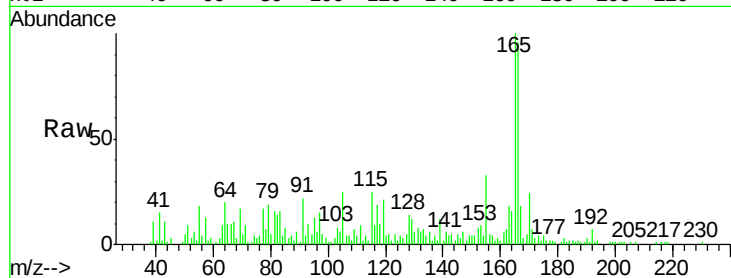
Tgt Ion:166 Resp: 86428

Ion Ratio Lower Upper

166 100

165 104.7 80.0 120.0

167 19.1 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

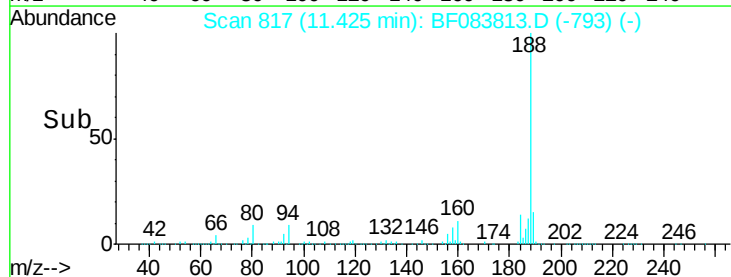
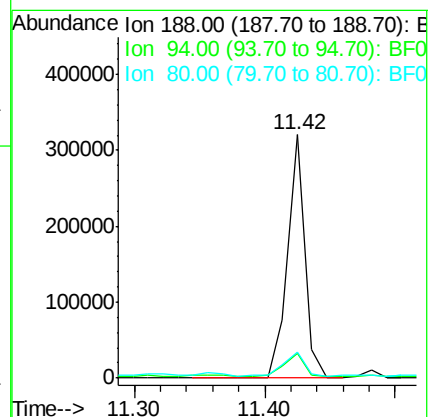
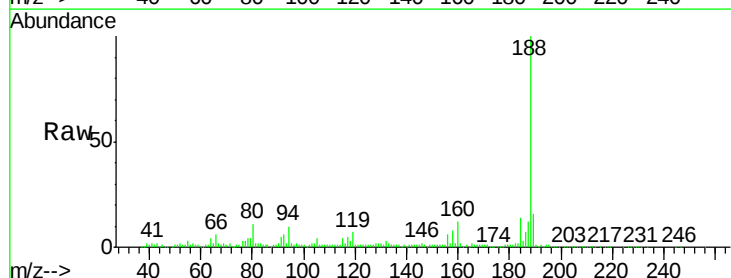
Tgt Ion:188 Resp: 301164

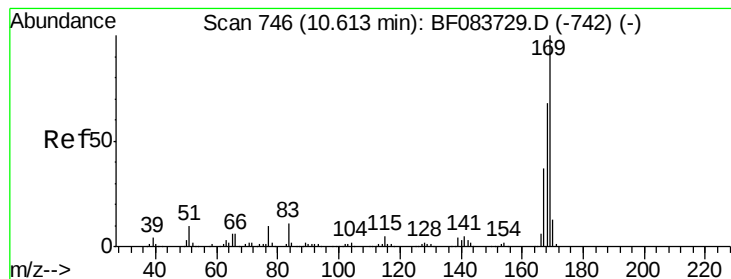
Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

80 10.6 10.6 16.0#

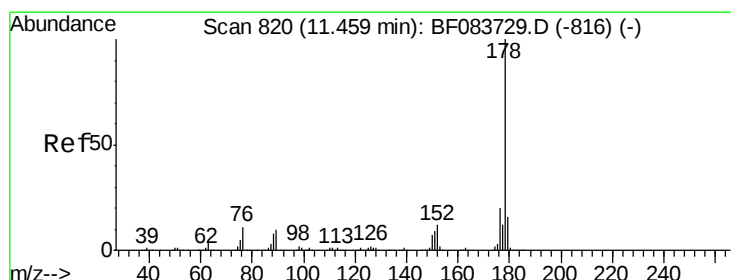
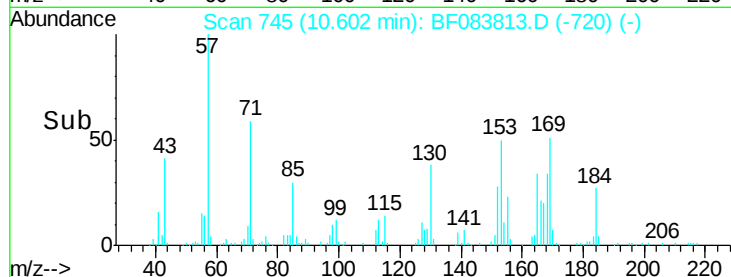
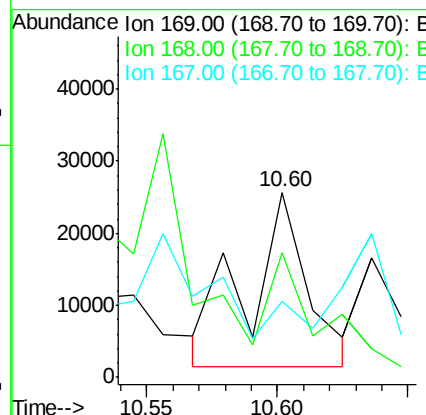
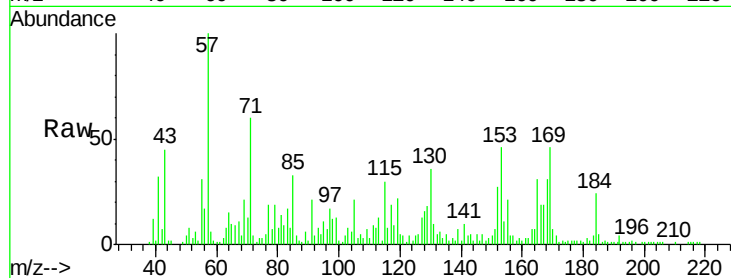




#65
 n-Nitrosodiphenylamine
 Concen: 3.71 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF083813.D
 Acq: 15 Dec 2015 12:25

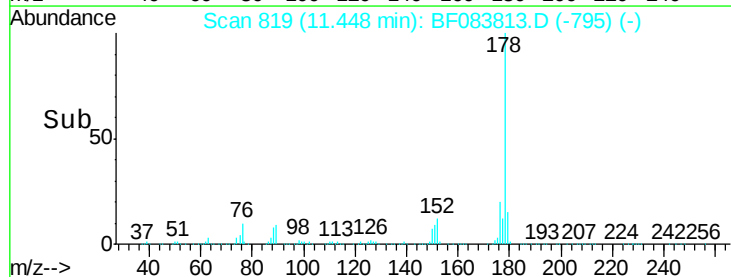
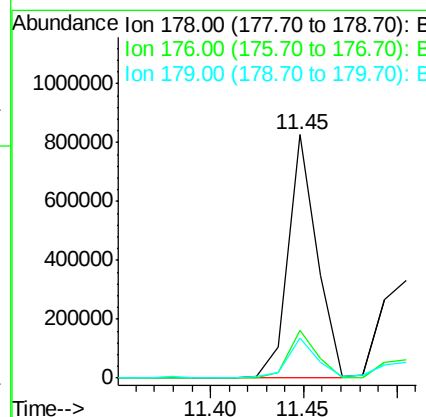
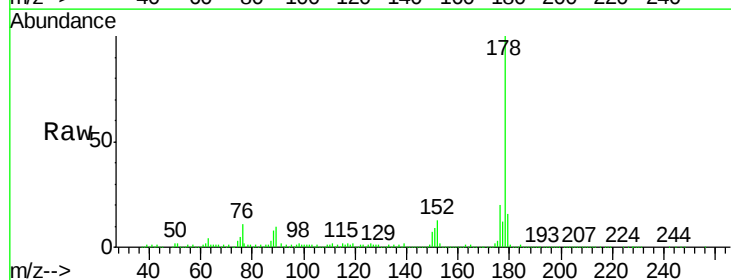
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

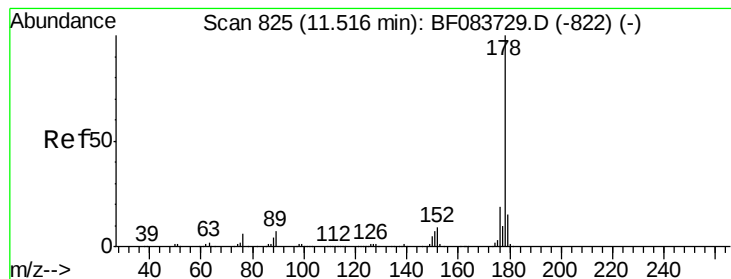
Tgt Ion:169 Resp: 38195
 Ion Ratio Lower Upper
 169 100
 168 67.6 53.0 79.6
 167 40.8 29.3 43.9



#70
 Phenanthrene
 Concen: 54.99 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083813.D
 Acq: 15 Dec 2015 12:25

Tgt Ion:178 Resp: 879827
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 16.2 12.2 18.4





#71

Anthracene

Concen: 25.14 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

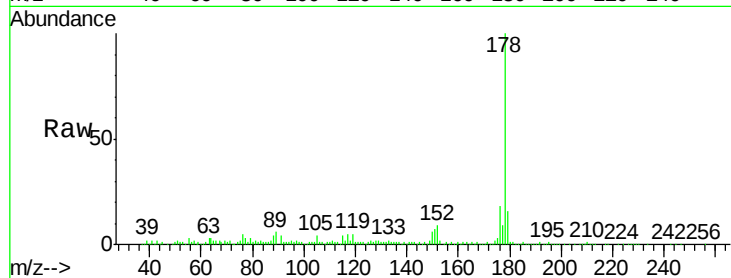
Tgt Ion:178 Resp: 417748

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

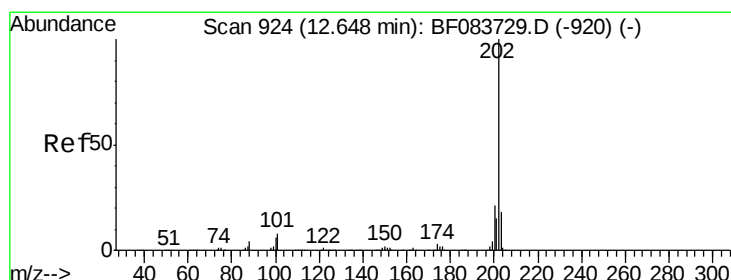
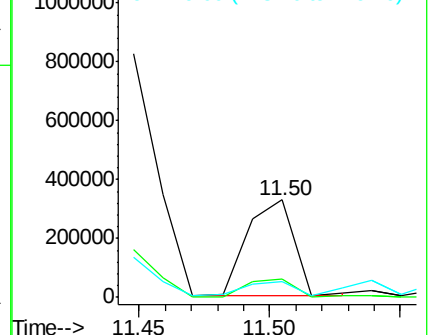
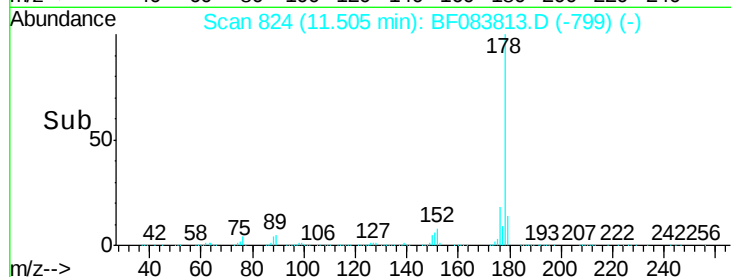
179 15.6 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 23.89 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

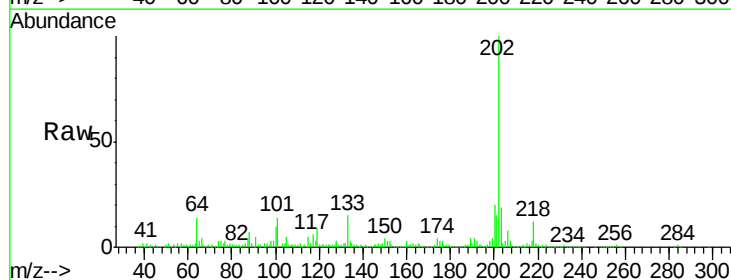
Tgt Ion:202 Resp: 394874

Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.5

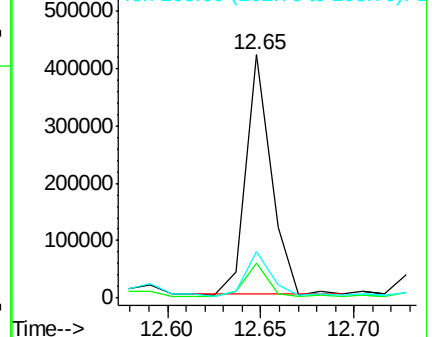
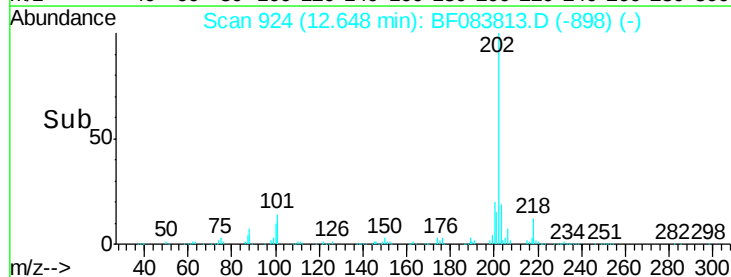
203 19.2 0.0 37.6

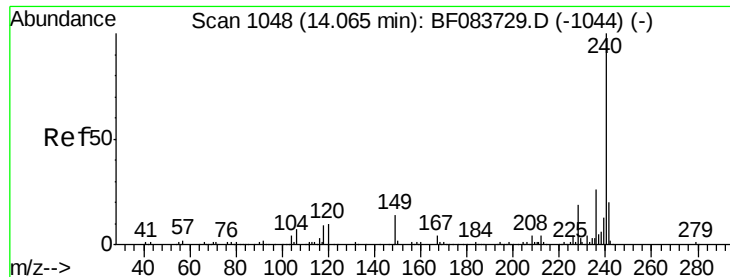


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

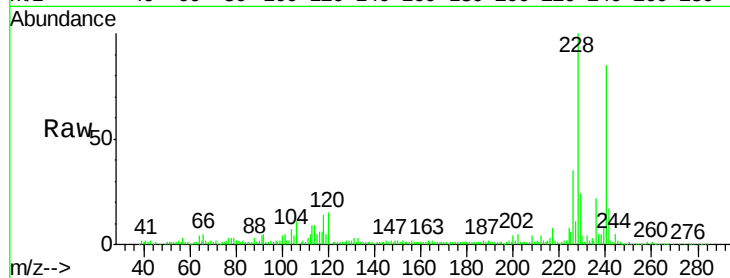
Tgt Ion:240 Resp: 228214

Ion Ratio Lower Upper

240 100

120 18.3 8.1 12.1#

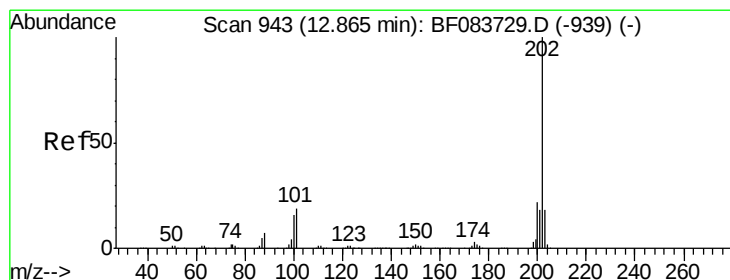
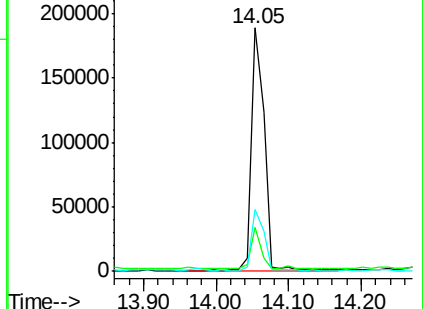
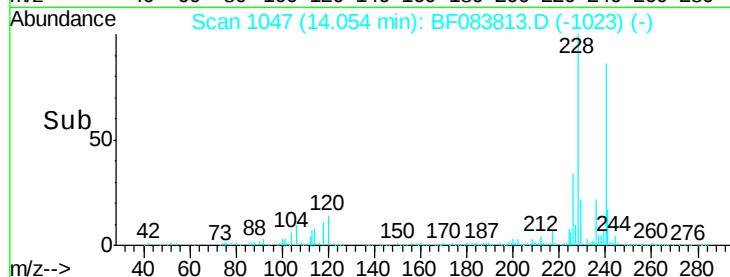
236 25.6 20.8 31.2



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: 36.17 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

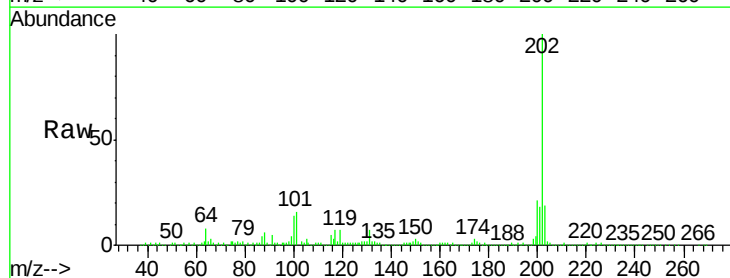
Tgt Ion:202 Resp: 652345

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

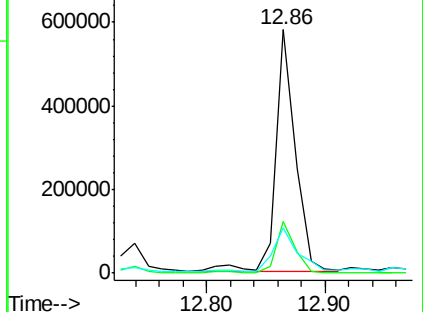
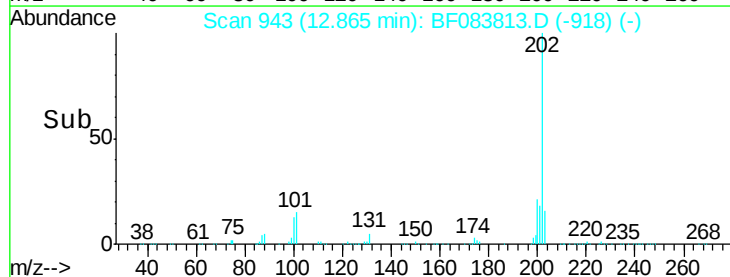
203 18.8 14.3 21.5

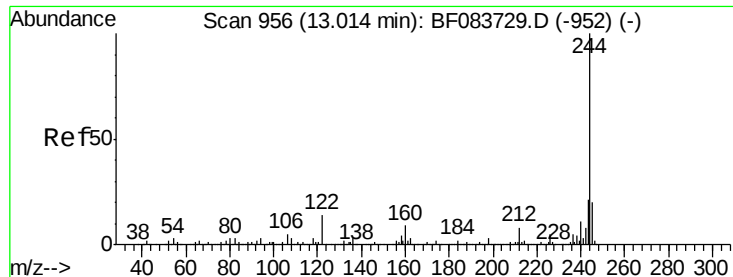


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

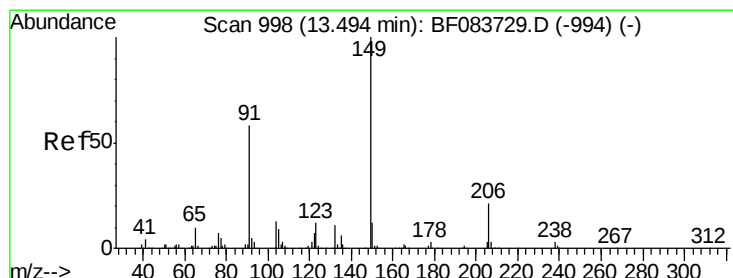
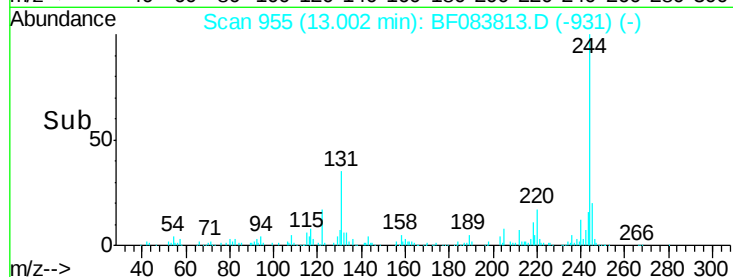
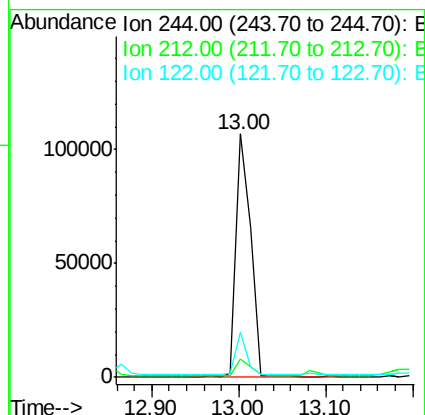
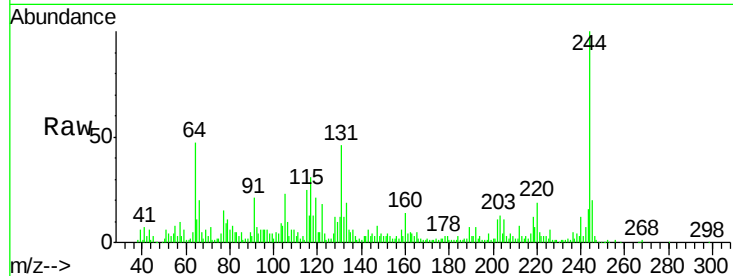




#78
 Terphenyl-d14
 Concen: 11.63 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083813.D
 Acq: 15 Dec 2015 12:25

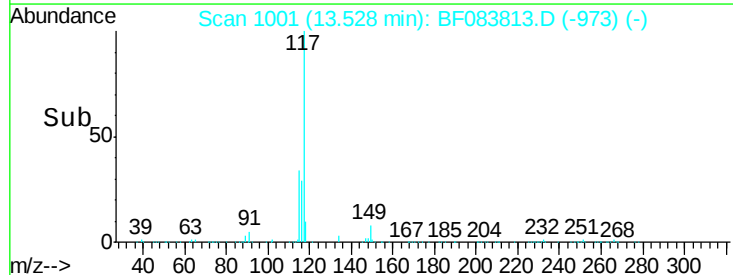
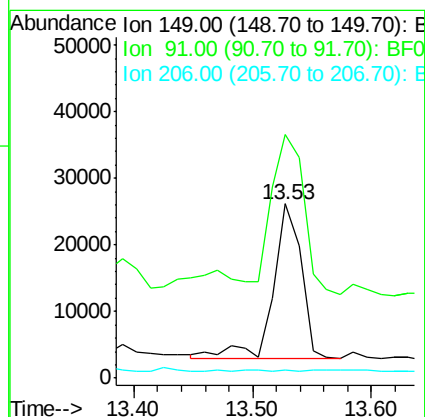
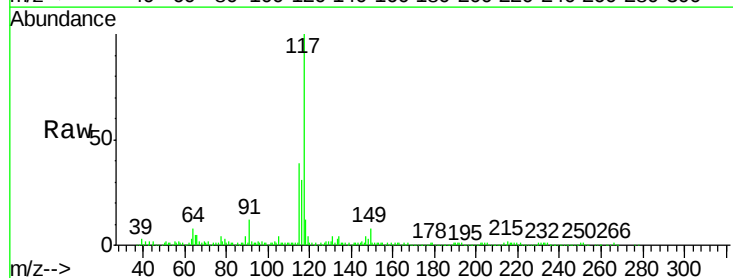
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

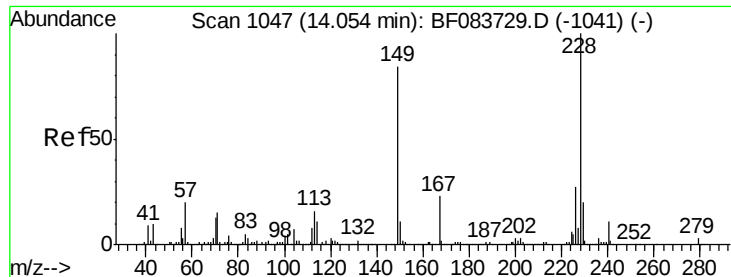
Tgt Ion:244 Resp: 123398
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 18.4 11.0 16.6#



#79
 Butylbenzylphthalate
 Concen: 4.91 ng
 RT: 13.53 min Scan# 1001
 Delta R.T. 0.02 min
 Lab File: BF083813.D
 Acq: 15 Dec 2015 12:25

Tgt Ion:149 Resp: 37981
 Ion Ratio Lower Upper
 149 100
 91 139.8 60.0 90.0#
 206 4.5 16.2 24.4#

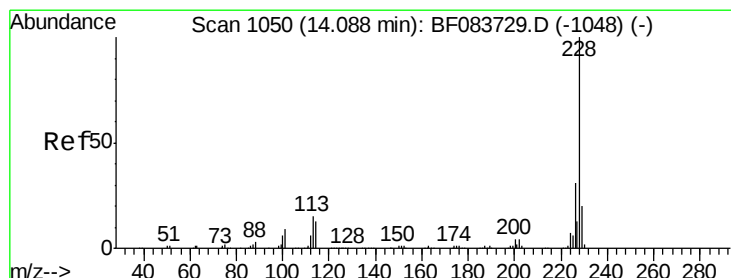
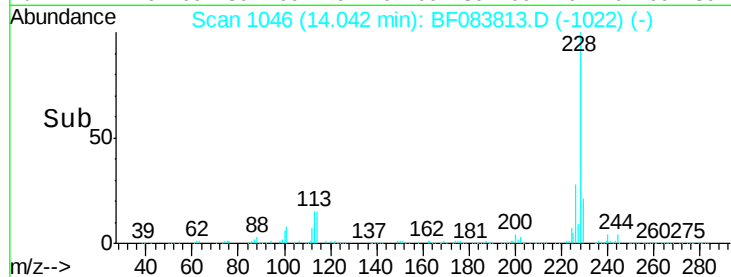
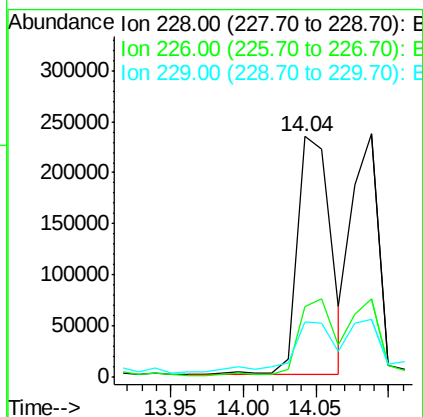
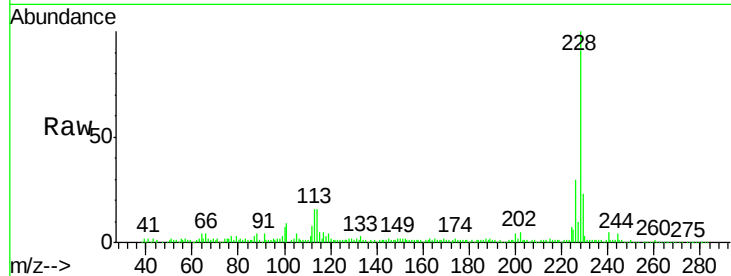




#80
Benzo(a)anthracene
Concen: 28.60 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

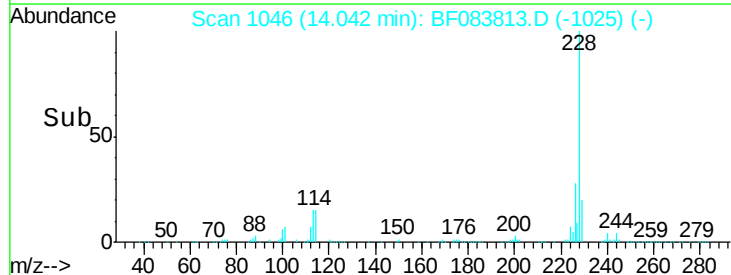
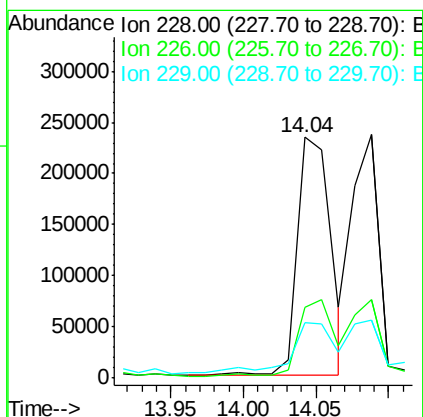
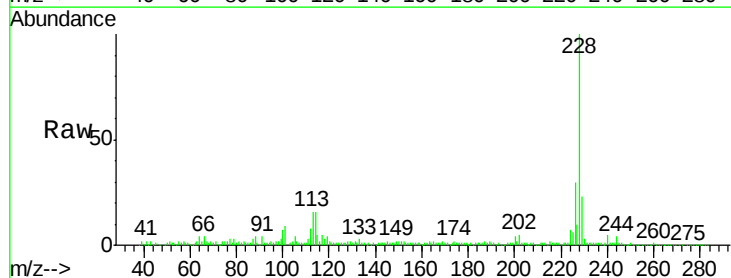
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

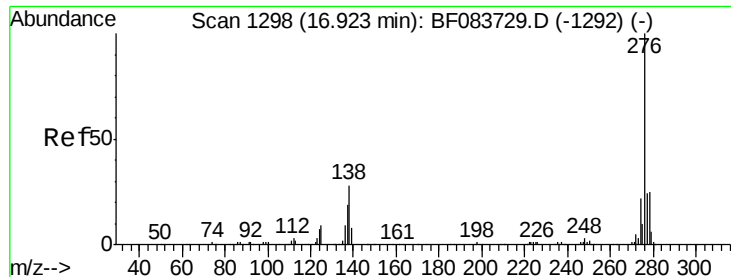
Tgt Ion:228 Resp: 371159
Ion Ratio Lower Upper
228 100
226 29.6 22.3 33.5
229 23.1 15.7 23.5



#82
Chrysene
Concen: 29.32 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.06 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

Tgt Ion:228 Resp: 371159
Ion Ratio Lower Upper
228 100
226 29.6 24.7 37.1
229 23.1 16.3 24.5

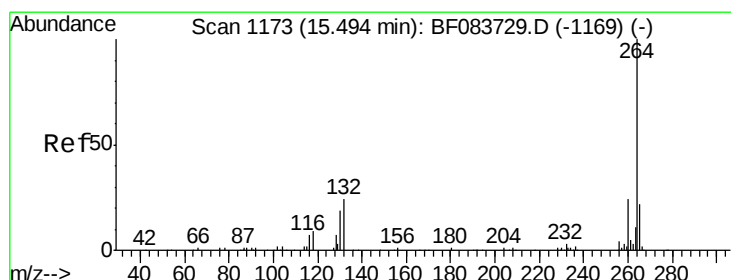
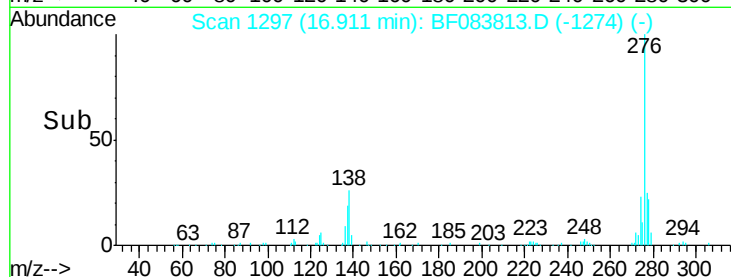
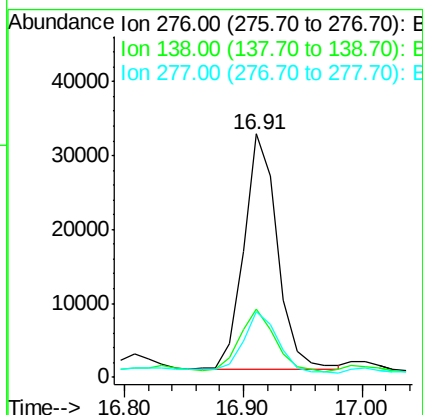
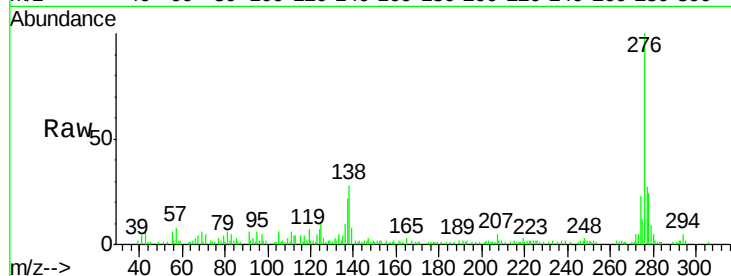




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.99 ng
RT: 16.91 min Scan# 1297
Delta R.T. -0.03 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

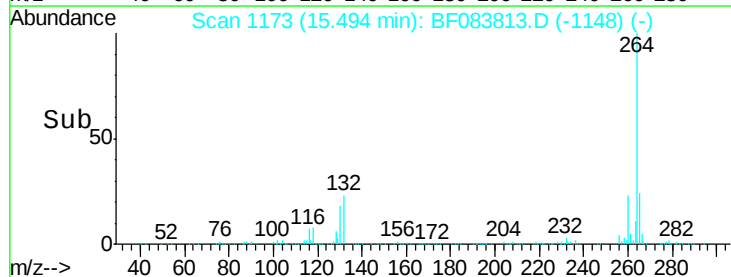
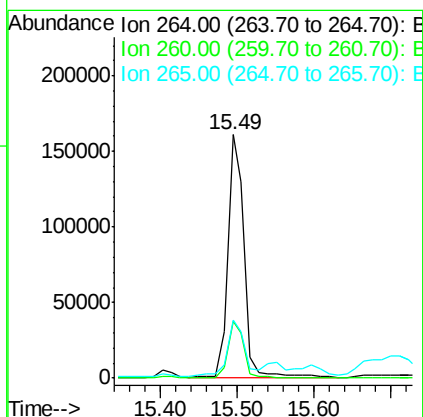
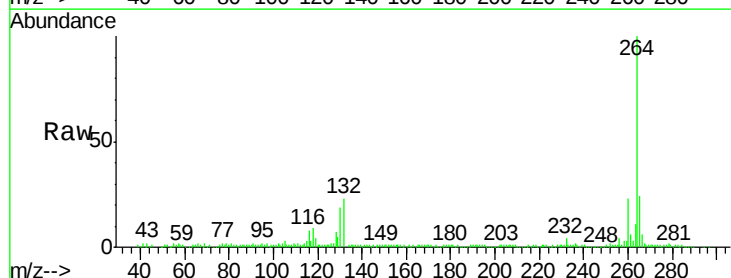
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

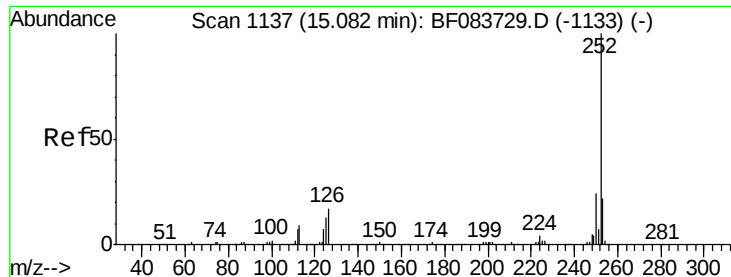
Tgt Ion:276 Resp: 62056
Ion Ratio Lower Upper
276 100
138 27.8 0.0 0.0#
277 27.9 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083813.D
Acq: 15 Dec 2015 12:25

Tgt Ion:264 Resp: 239192
Ion Ratio Lower Upper
264 100
260 23.1 19.4 29.0
265 24.0 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 16.44 ng

RT: 15.08 min Scan# 1137

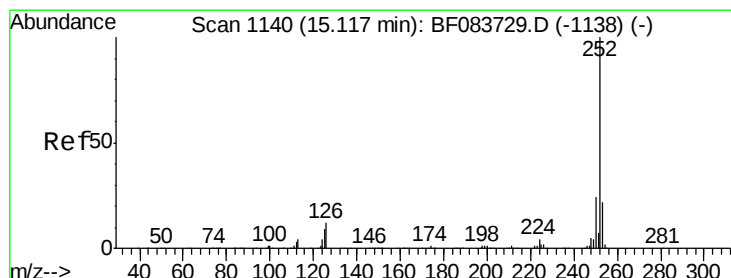
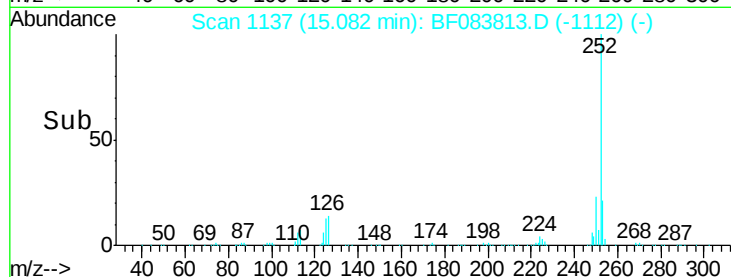
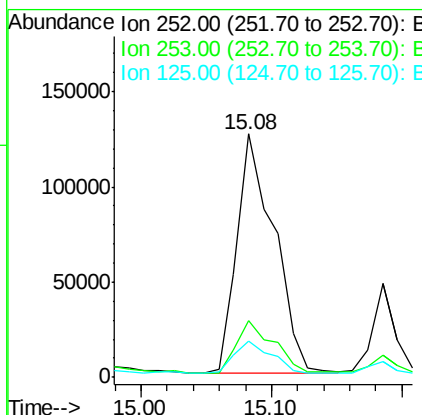
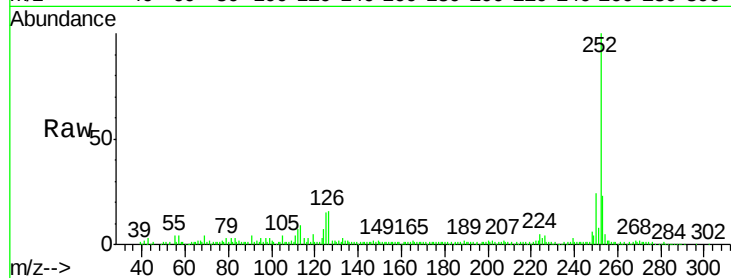
Delta R.T. -0.01 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	14.8	8.2	12.4



#88

Benzo(k)fluoranthene

Concen: 18.10 ng

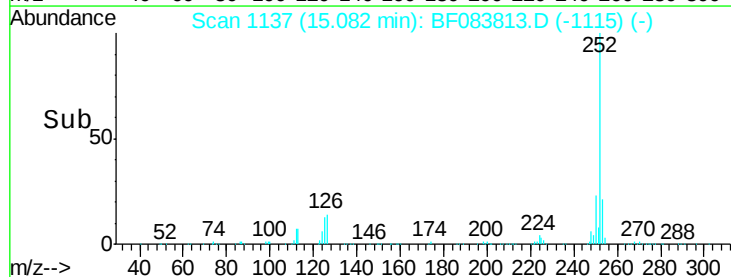
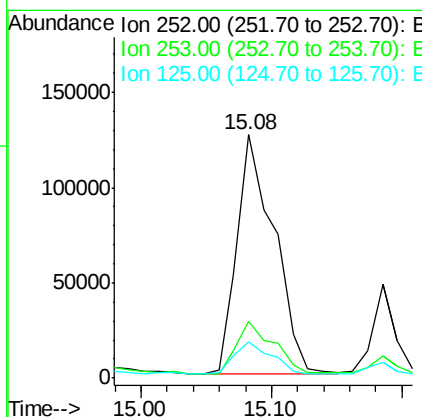
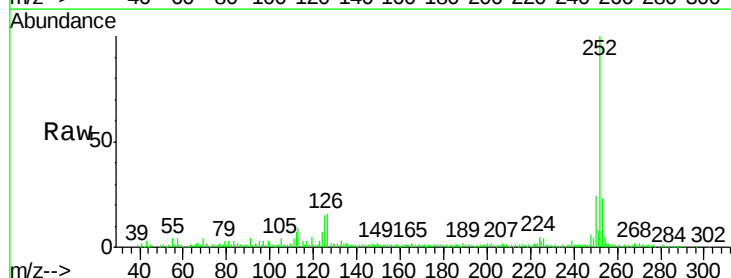
RT: 15.08 min Scan# 1137

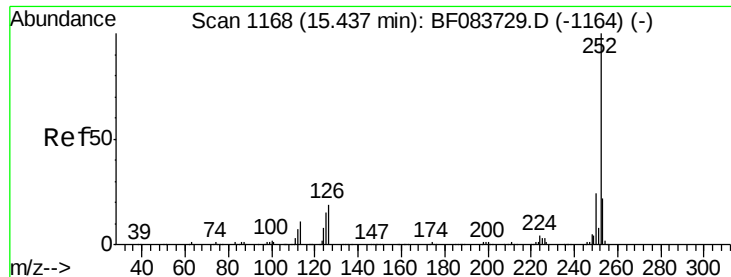
Delta R.T. -0.05 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	14.8	11.5	17.3





#89

Benzo(a)pyrene

Concen: 15.20 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

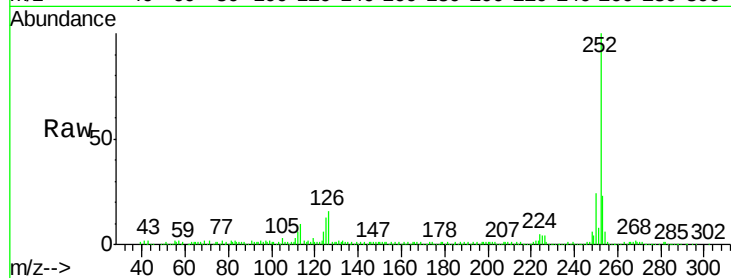
Tgt Ion:252 Resp: 207010

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

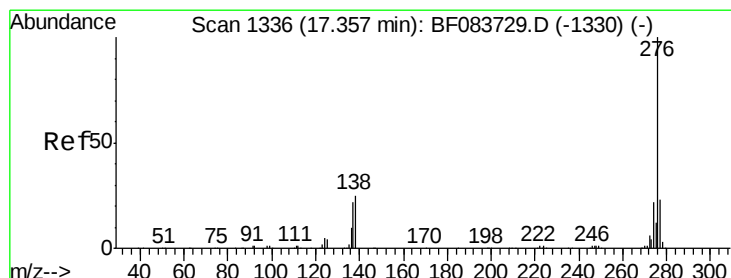
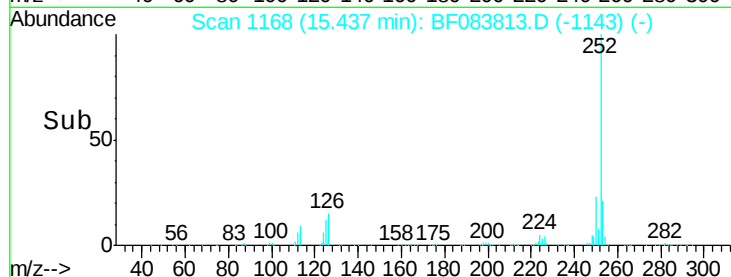
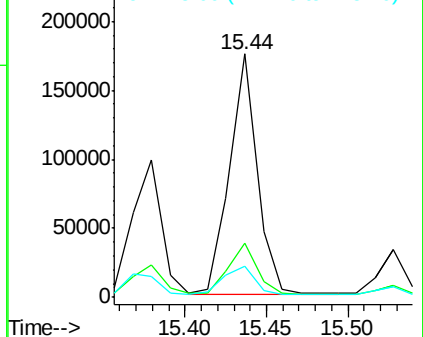
125 12.7 11.0 16.6



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



#91

Benzo(g,h,i)perylene

Concen: 4.77 ng

RT: 17.35 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF083813.D

Acq: 15 Dec 2015 12:25

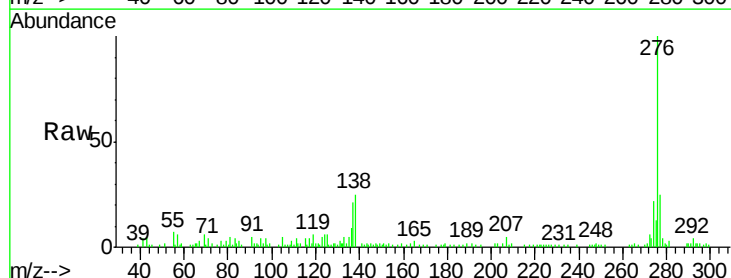
Tgt Ion:276 Resp: 66364

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 24.6 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

