

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
 Data File : BF089961.D
 Acq On : 31 Aug 2016 20:17
 Operator : UM/SJ
 Sample : H4635-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11FT-SOIL

Quant Time: Sep 01 00:58:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	202229	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	722268	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	347848	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	520701	20.00	ng	0.00
75) Chrysene-d12	13.77	240	363386	20.00	ng	0.01
86) Perylene-d12	15.12	264	487141	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	1547400	122.48	ng	0.01
7) Phenol-d6	6.28	99	1880303	122.48	ng	0.01
23) Nitrobenzene-d5	7.21	82	1352221	108.58	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	394223	114.87	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1982900	93.58	ng	0.00
78) Terphenyl-d14	12.72	244	1183909	80.48	ng	0.00

Target Compounds

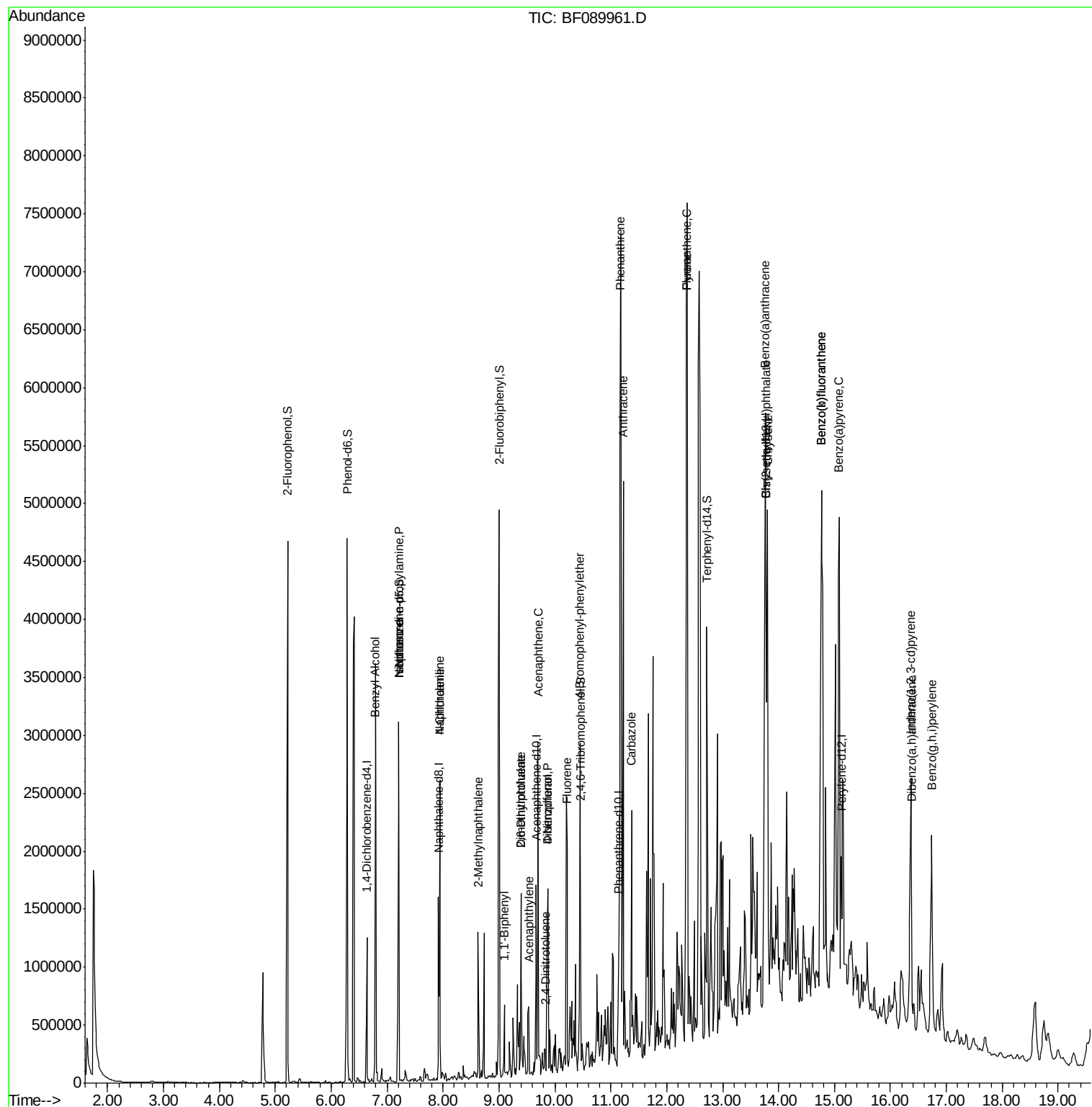
						Qvalue
15) Benzyl Alcohol	6.79	79	20120	2.09	ng	# 51
19) n-Nitroso-di-n-propylamine	7.21	70	183208	18.31	ng	# 78
25) Isophorone	7.21	82	1225015	48.37	ng	# 65
31) Naphthalene	7.94	128	1040106	28.91	ng	# 100
33) 4-Chloroaniline	7.94	127	140017	9.64	ng	# 32
37) 2-Methylnaphthalene	8.63	142	385991	16.23	ng	# 97
45) 1,1'-Biphenyl	9.10	154	161141	5.75	ng	# 96
48) Acenaphthylene	9.53	152	297482	9.08	ng	# 98
49) Dimethylphthalate	9.39	163	773752	30.78	ng	# 100
50) 2,6-Dinitrotoluene	9.39	165	12940	2.31	ng	# 1
51) Acenaphthene	9.70	154	737883	35.55	ng	# 100
54) Dibenzofuran	9.87	168	775585	27.88	ng	# 92
55) 4-Nitrophenol	9.87	139	252673	52.53	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	17452	2.46	ng	# 47
57) Fluorene	10.22	166	964844	47.47	ng	# 98
66) 4-Bromophenyl-phenylether	10.44	248	24719	4.72	ng	# 1
70) Phenanthrene	11.18	178	4653633	179.47	ng	# 98
71) Anthracene	11.22	178	2067785	78.62	ng	# 100
72) Carbazole	11.37	167	833716	33.81	ng	# 99
74) Fluoranthene	12.36	202	5572104	205.05	ng	# 96
77) Pyrene	12.36	202	5572104	217.48	ng	# 97
80) Benzo(a)anthracene	13.76	228	3596134	161.58	ng	# 96
82) Chrysene	13.81	228	2352772	113.17	ng	# 97
83) Bis(2-ethylhexyl)phthalate	13.77	149	39624	2.77	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.37	276	1664987	108.32	ng	# 94
87) Benzo(b)fluoranthene	14.77	252	4716100	154.54	ng	# 95
88) Benzo(k)fluoranthene	14.77	252	4714135	182.04	ng	# 96
89) Benzo(a)pyrene	15.09	252	2859983	109.38	ng	# 96
90) Dibenzo(a,h)anthracene	16.38	278	574103	29.97	ng	# 93
91) Benzo(g,h,i)perylene	16.74	276	1513668	78.50	ng	# 96

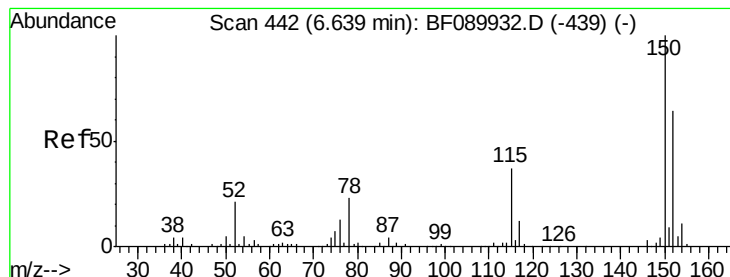
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

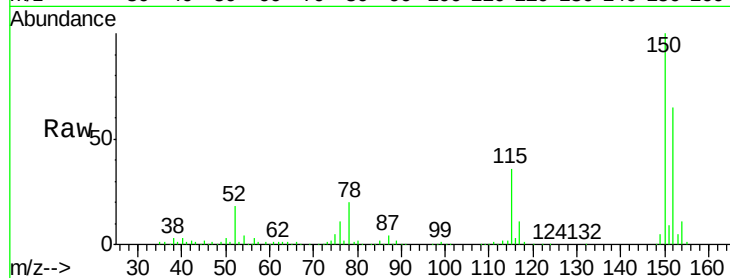
Tgt Ion:152 Resp: 202229

Ion Ratio Lower Upper

152 100

150 153.1 127.4 191.2

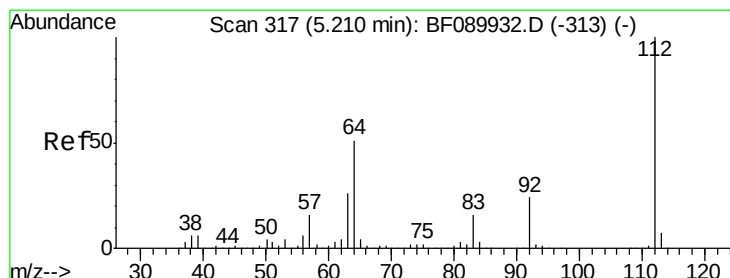
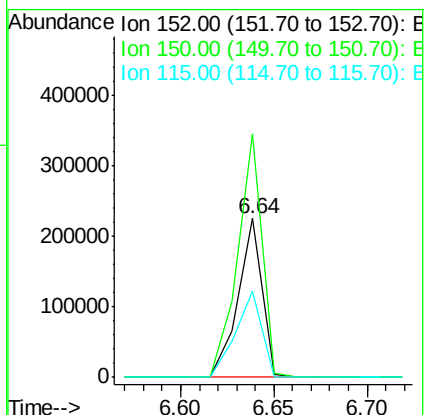
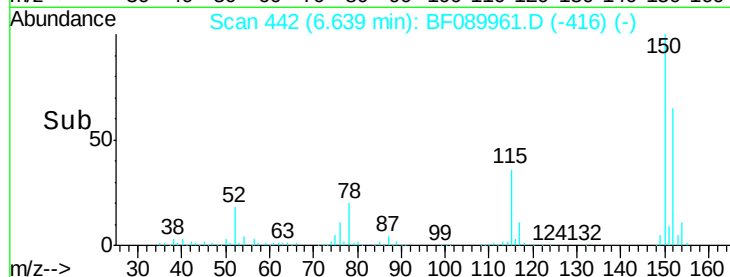
115 54.4 46.3 69.5



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: 122.48 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

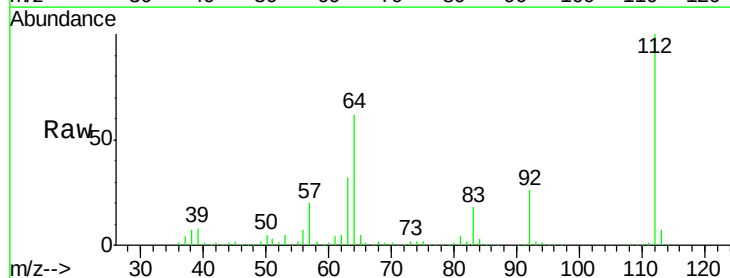
Tgt Ion:112 Resp: 1547400

Ion Ratio Lower Upper

112 100

64 61.6 41.1 61.7

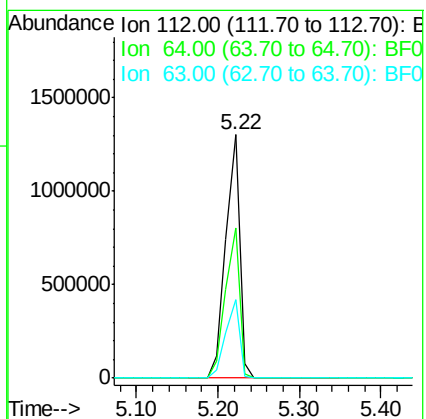
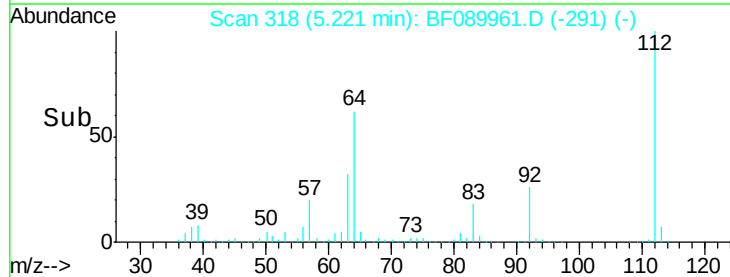
63 32.2 21.2 31.8#

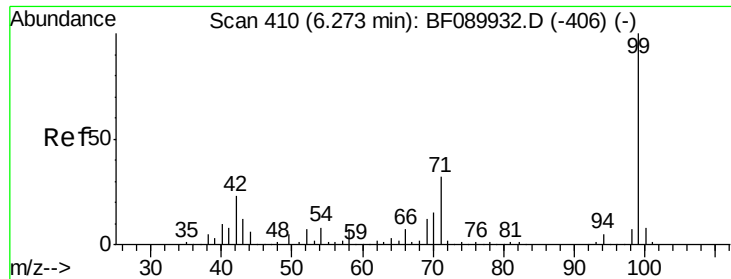


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.48 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

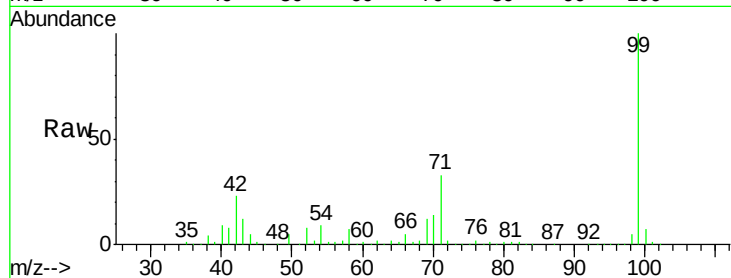
Tgt Ion: 99 Resp: 1880303

Ion Ratio Lower Upper

99 100

42 23.3 18.6 27.8

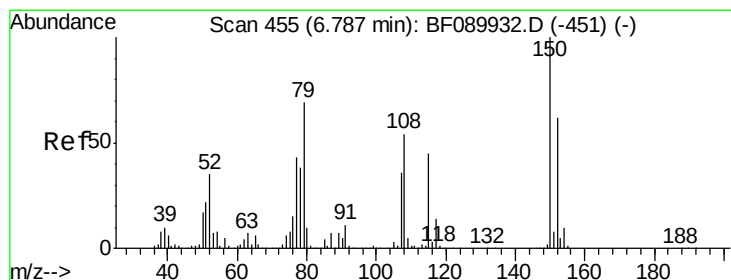
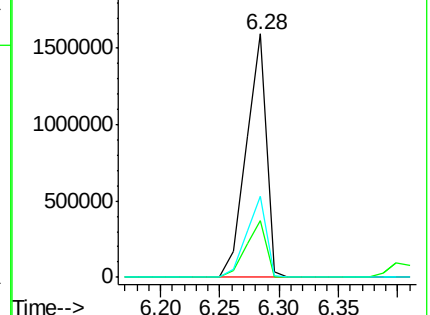
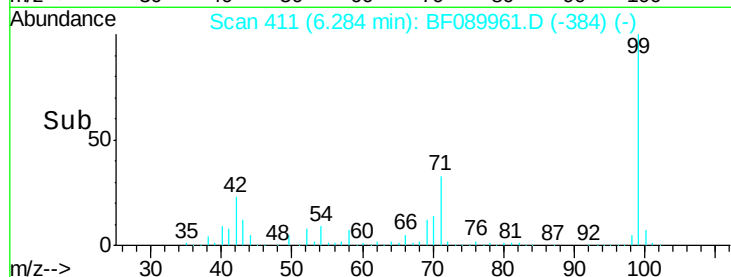
71 33.3 25.8 38.6



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



#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

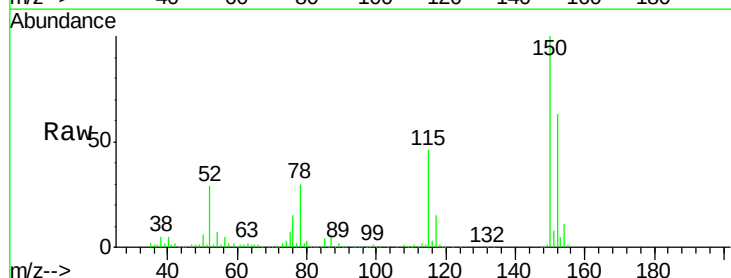
Tgt Ion: 79 Resp: 20120

Ion Ratio Lower Upper

79 100

108 28.0 62.1 93.1#

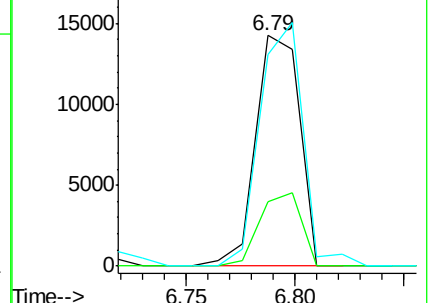
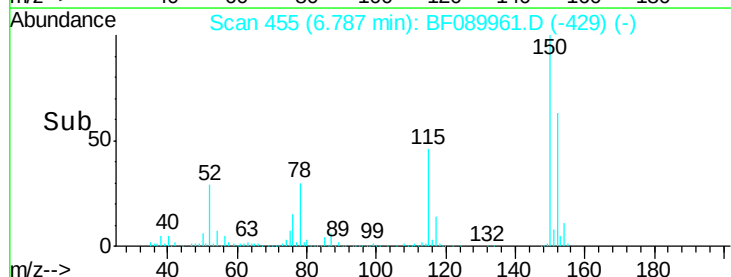
77 92.1 50.1 75.1#

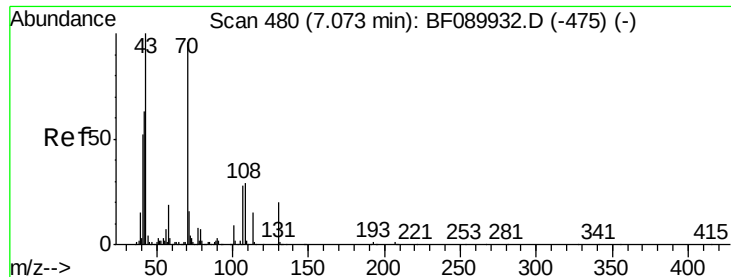


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

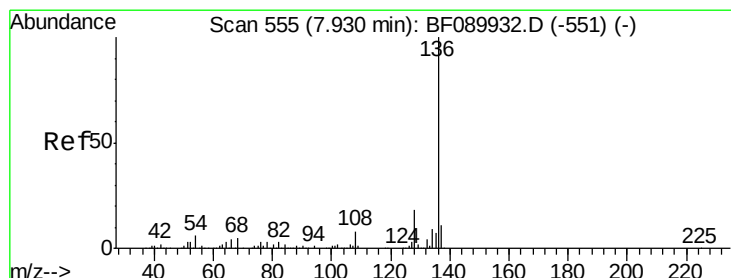
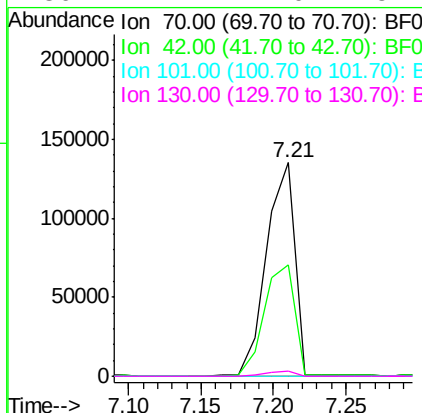
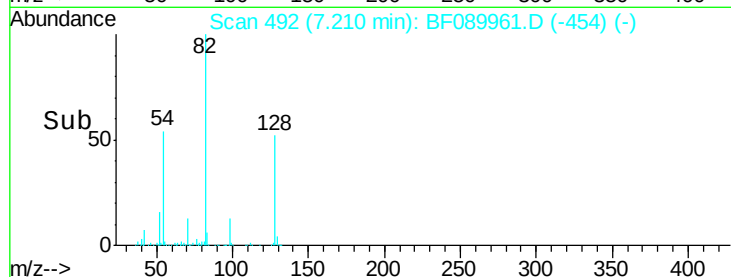
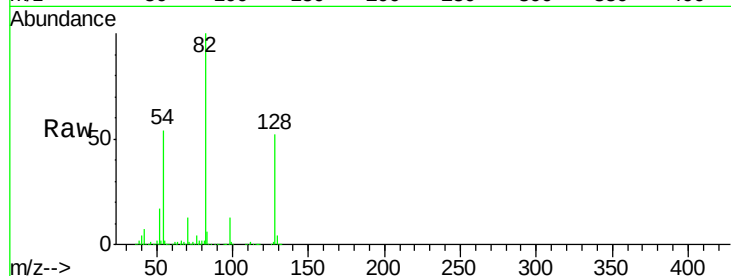




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.31 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.14 min
 Lab File: BF089961.D
 Acq: 31 Aug 2016 20:17

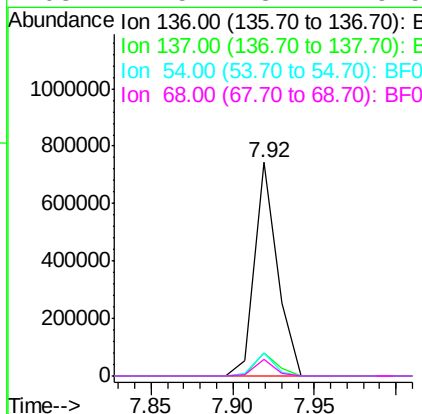
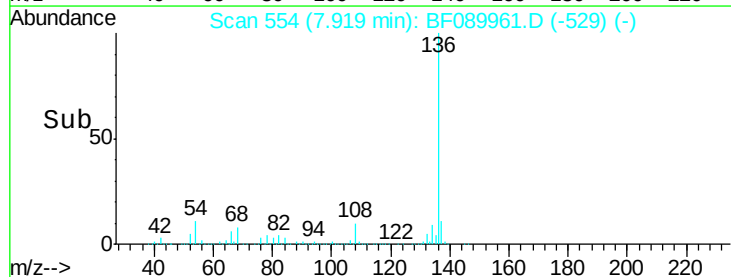
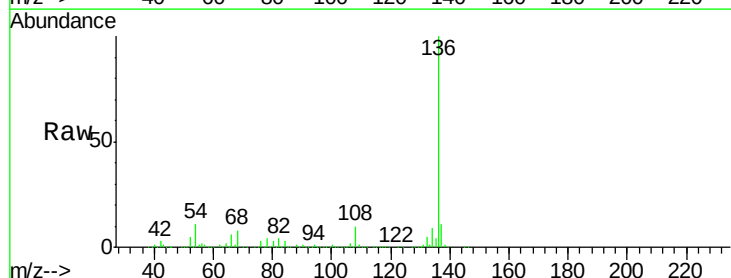
Instrument :
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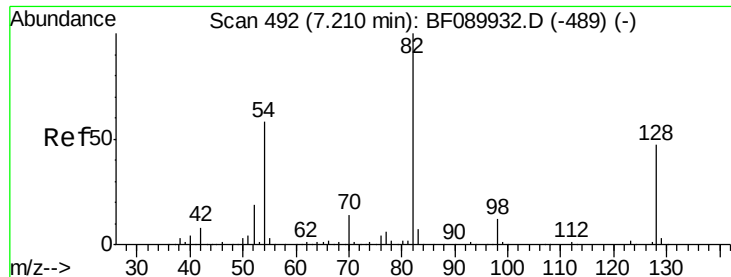
Tgt Ion: 70 Resp: 183208
 Ion Ratio Lower Upper
 70 100
 42 52.3 52.1 78.1
 101 0.0 7.4 11.2#
 130 2.4 17.0 25.4#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.92 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF089961.D
 Acq: 31 Aug 2016 20:17

Tgt Ion: 136 Resp: 722268
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.3 12.5
 54 10.9 4.8 7.2#
 68 7.5 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 108.58 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

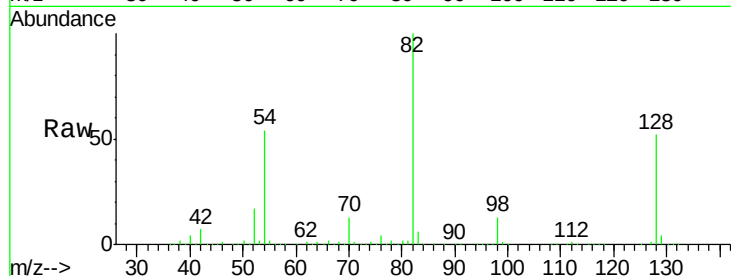
Tgt Ion: 82 Resp: 1352221

Ion Ratio Lower Upper

82 100

128 52.1 37.8 56.8

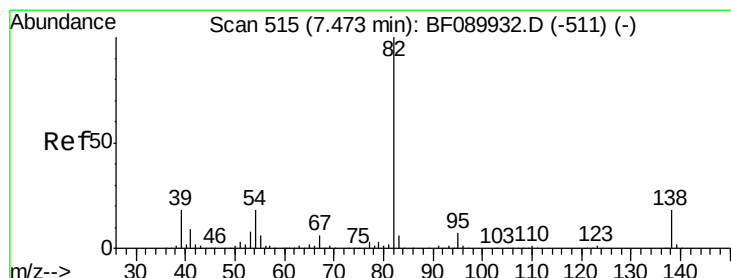
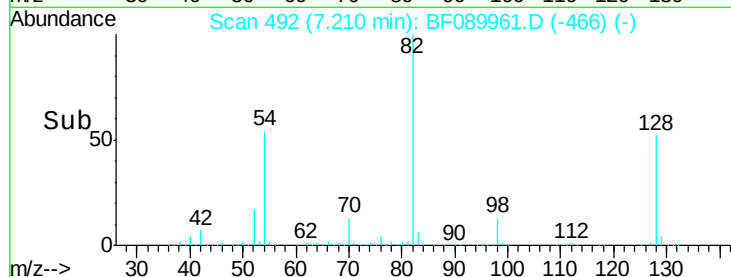
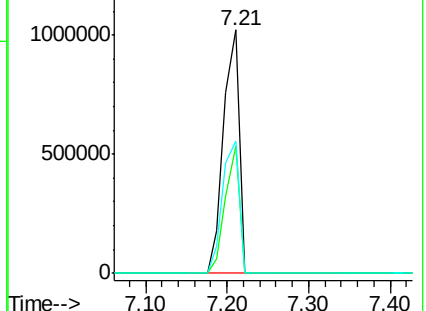
54 54.2 46.9 70.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 48.37 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.26 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

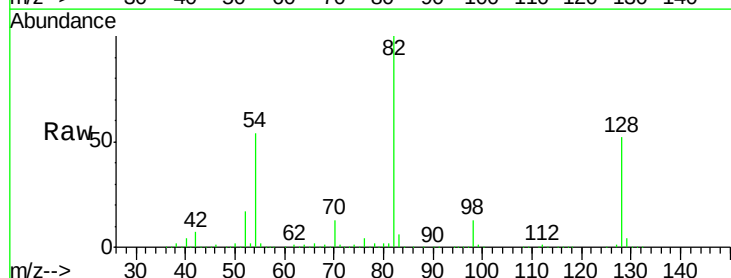
Tgt Ion: 82 Resp: 1225015

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

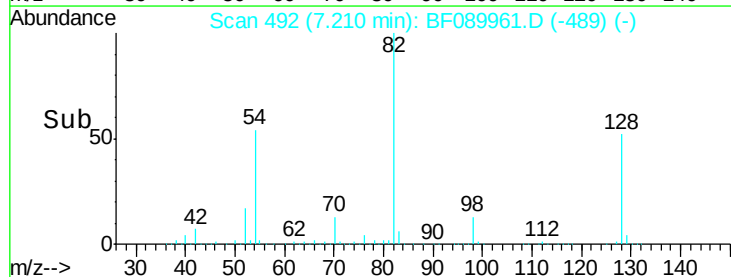
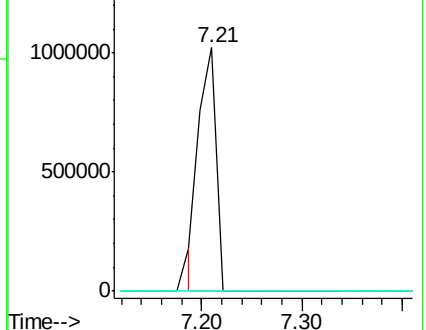
138 0.0 14.4 21.6#

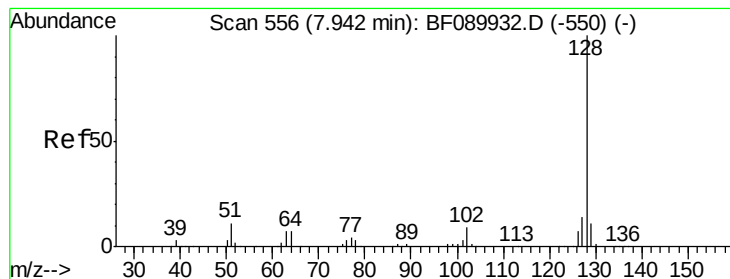


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 28.91 ng

RT: 7.94 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

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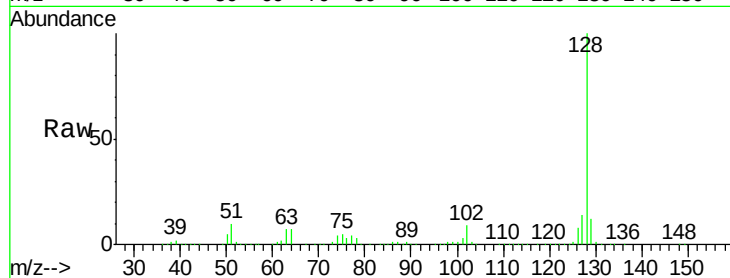
Tgt Ion:128 Resp: 1040106

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.0

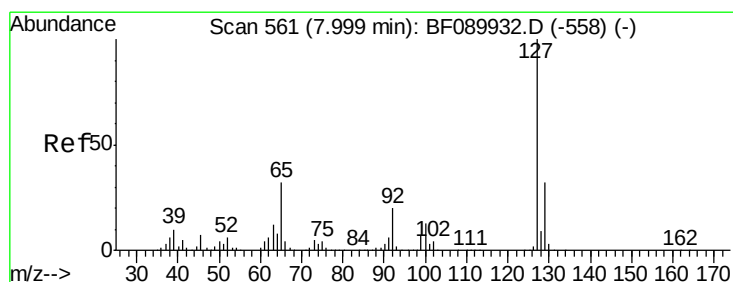
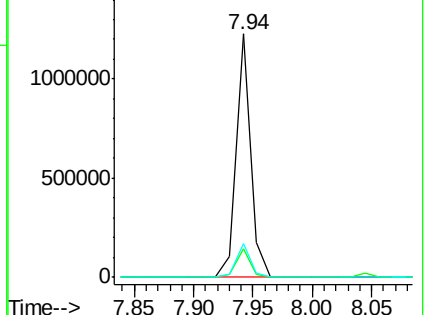
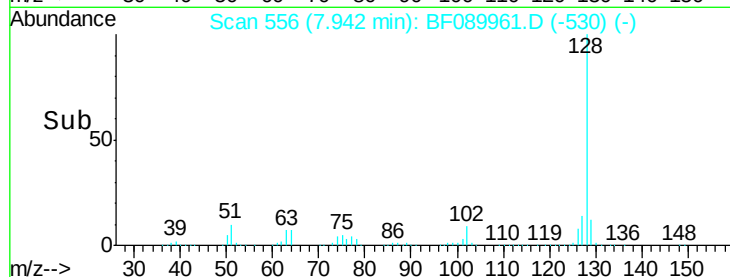
127 13.6 10.7 16.1



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: 9.64 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Tgt Ion:127 Resp: 140017

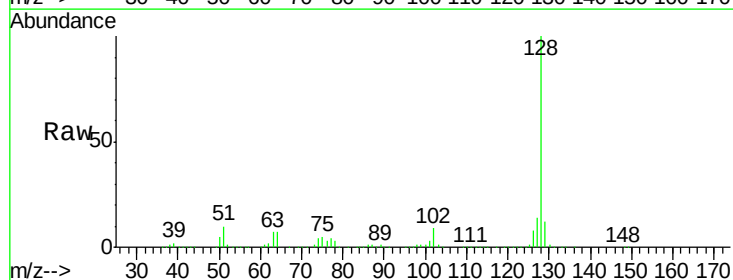
Ion Ratio Lower Upper

127 100

129 84.9 25.9 38.9#

65 0.0 26.0 39.0#

92 0.0 15.9 23.9#

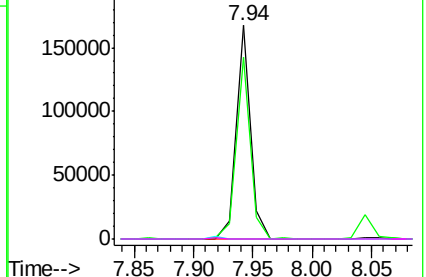
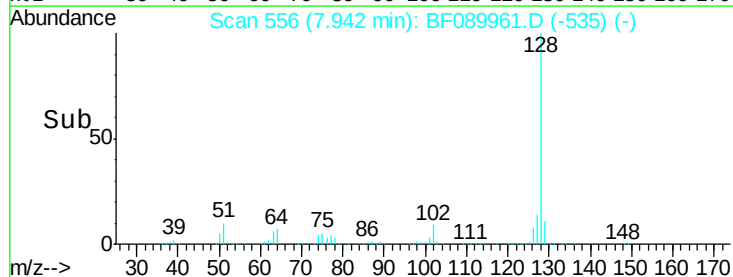


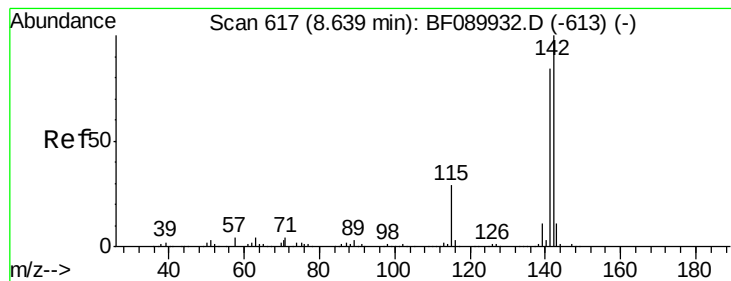
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

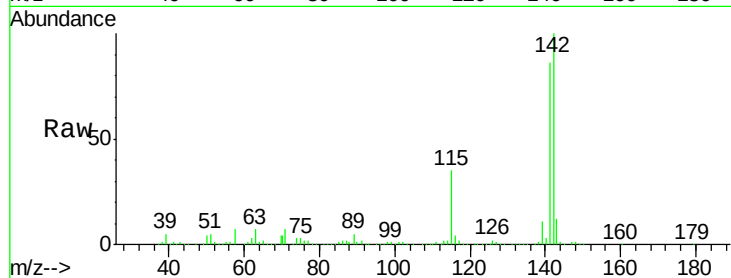




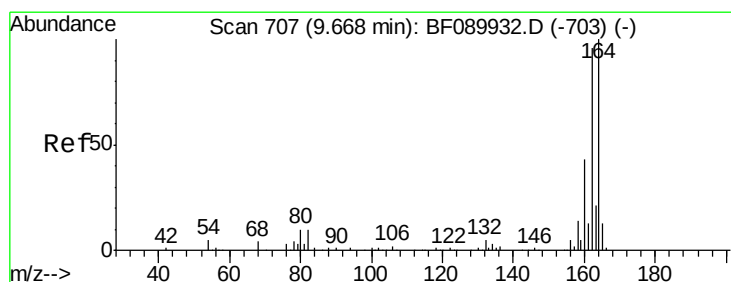
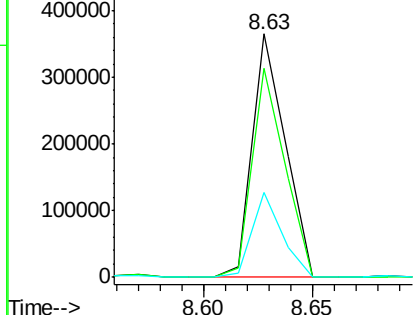
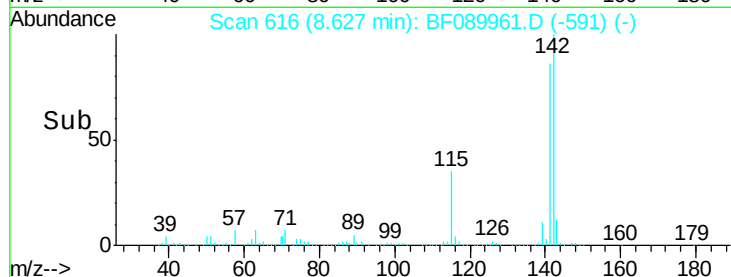
#37
 2-Methylnaphthalene
 Concen: 16.23 ng
 RT: 8.63 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF089961.D
 Acq: 31 Aug 2016 20:17

Instrument :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.3	102.5
115	35.0	23.8	35.8

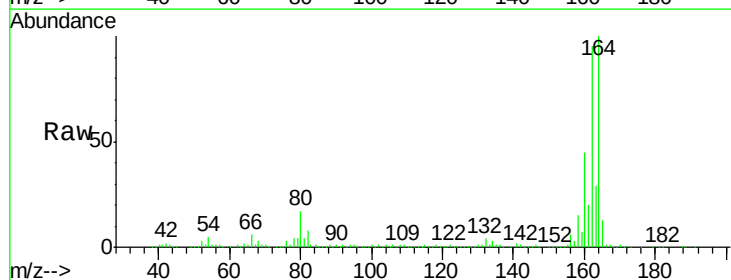


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

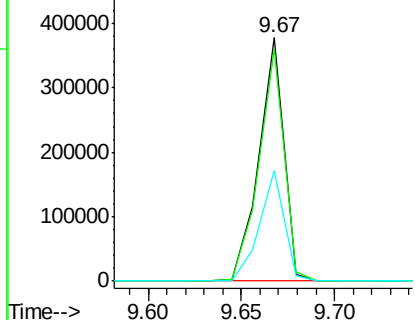
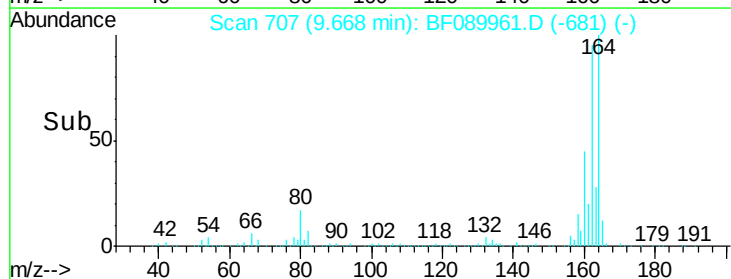


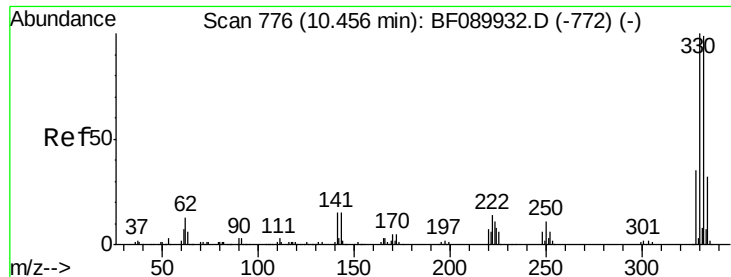
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: BF089961.D
 Acq: 31 Aug 2016 20:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.4	77.1	115.7
160	45.1	35.3	52.9



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

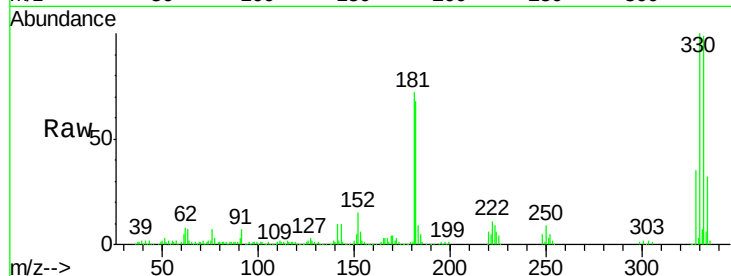




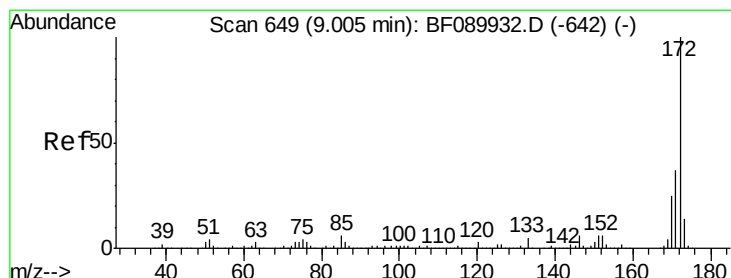
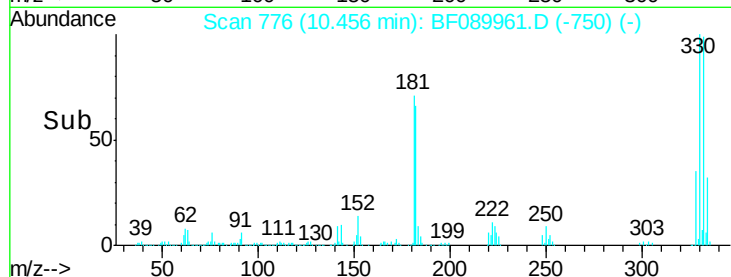
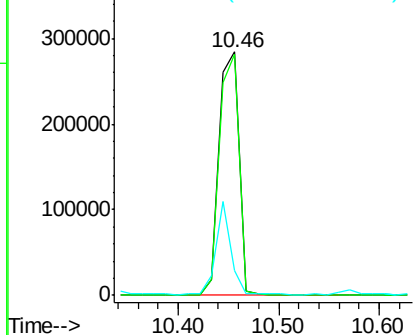
#41
 2,4,6-Tribromophenol
 Concen: 114.87 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF089961.D
 Acq: 31 Aug 2016 20:17

Instrument :
 BNA_F
 ClientSampleId :
 11FT-SOIL

Tgt Ion:330 Resp: 394223
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.6 117.8
 141 29.0 23.3 34.9

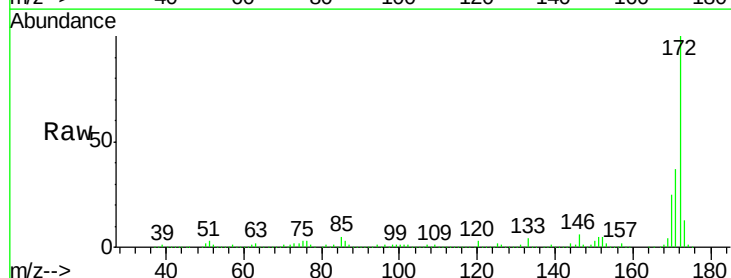


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

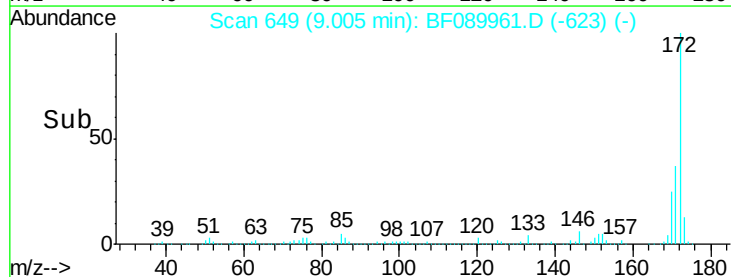
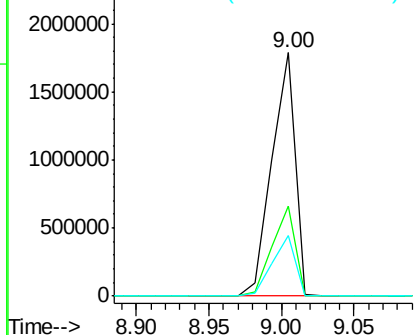


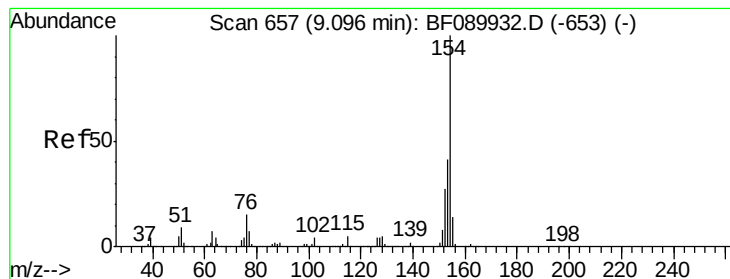
#44
 2-Fluorobiphenyl
 Concen: 93.58 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089961.D
 Acq: 31 Aug 2016 20:17

Tgt Ion:172 Resp: 1982900
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.2
 170 24.7 20.1 30.1



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





#45

1,1'-Biphenyl

Concen: 5.75 ng

RT: 9.10 min Scan# 657

Delta R.T. 0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampled :

11FT-SOIL

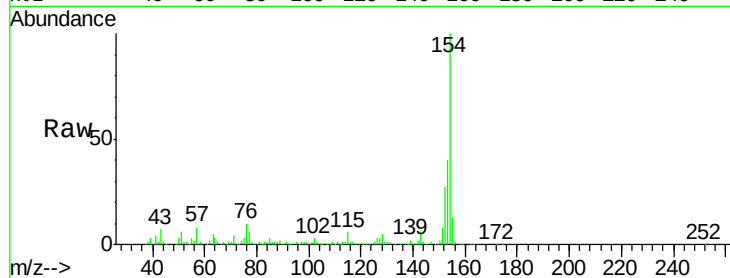
Tgt Ion:154 Resp: 161141

Ion Ratio Lower Upper

154 100

153 39.9 20.6 60.6

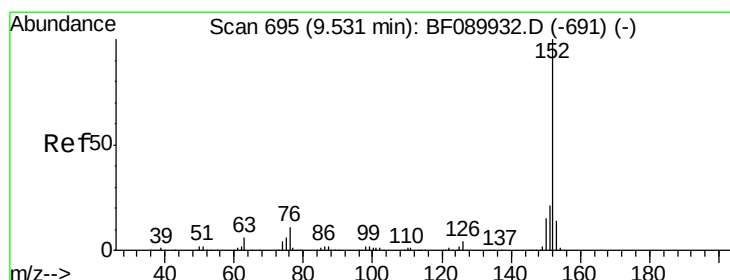
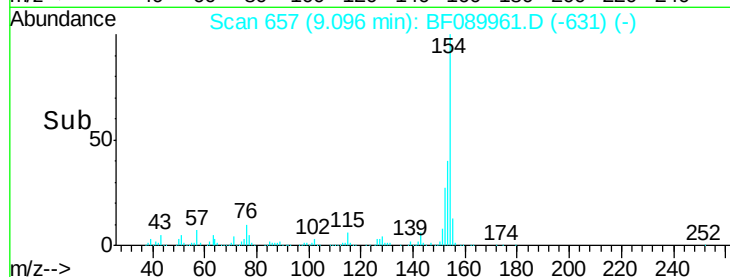
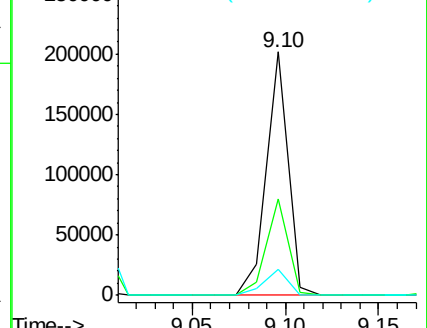
76 10.4 0.0 34.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 9.08 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

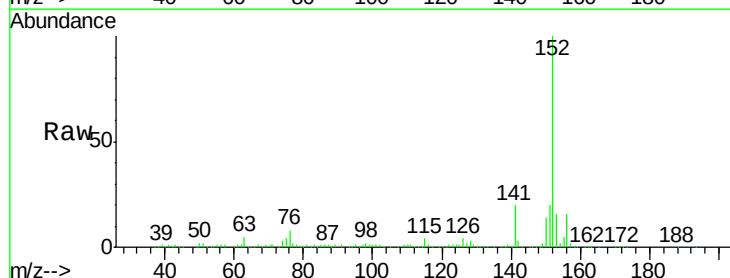
Tgt Ion:152 Resp: 297482

Ion Ratio Lower Upper

152 100

151 20.4 16.7 25.1

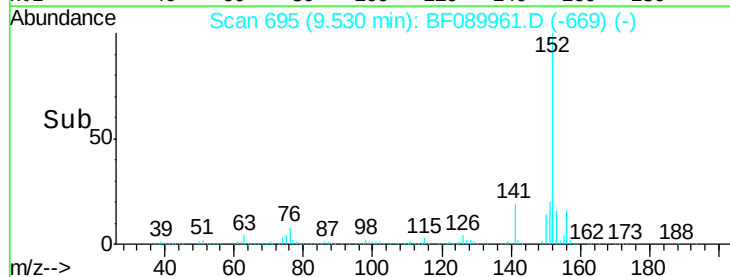
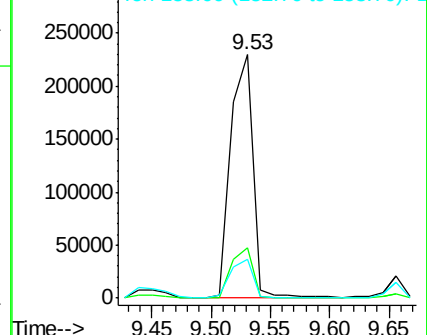
153 15.9 11.6 17.4

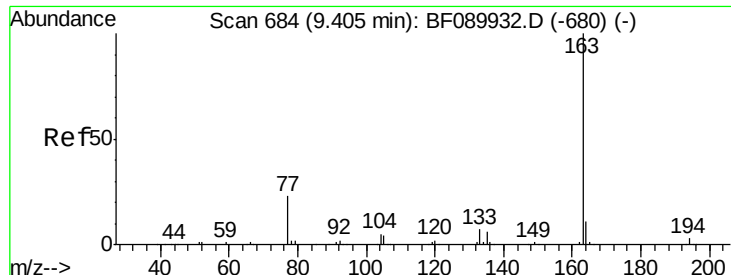


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 30.78 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

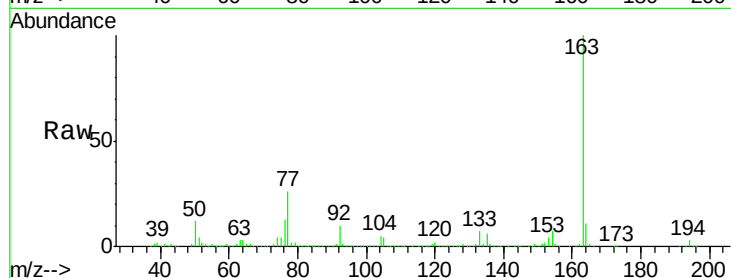
Tgt Ion:163 Resp: 773752

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

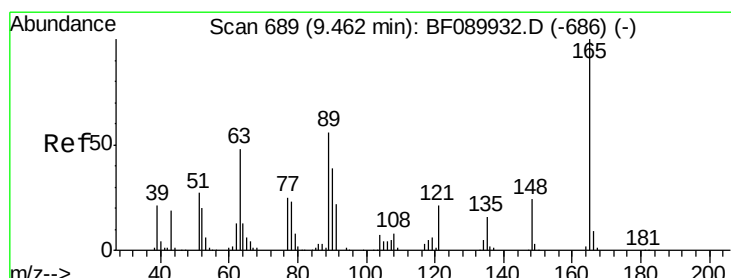
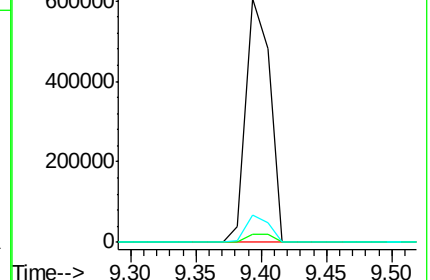
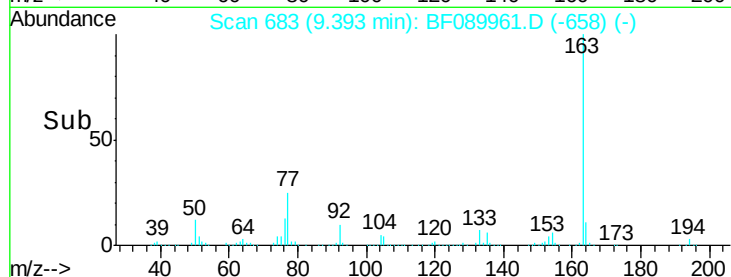
164 11.3 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 2.31 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.07 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

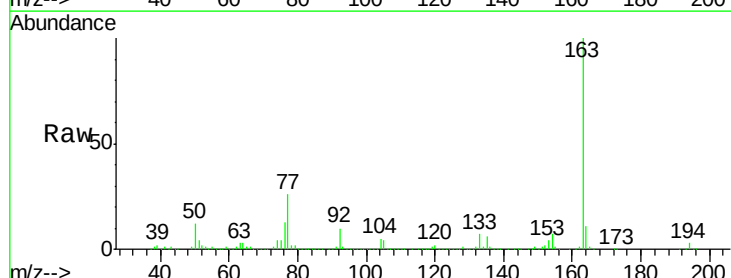
Tgt Ion:165 Resp: 12940

Ion Ratio Lower Upper

165 100

63 201.0 45.0 67.4#

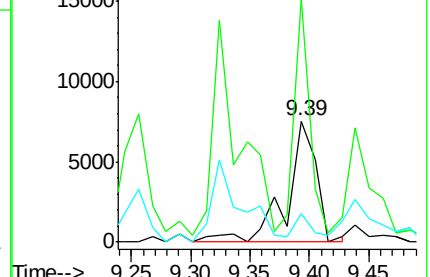
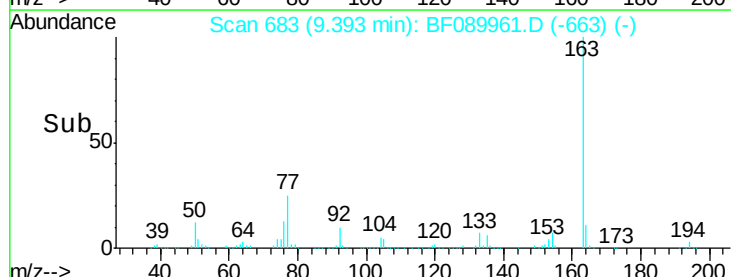
89 23.5 41.5 62.3#

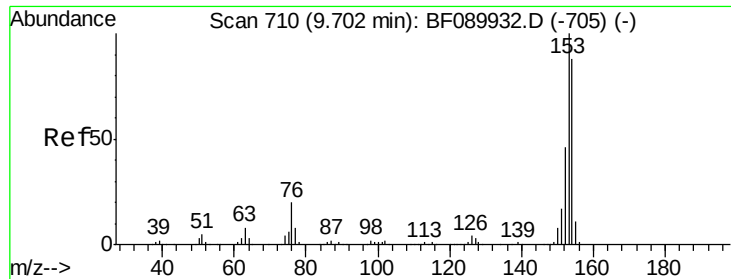


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 35.55 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

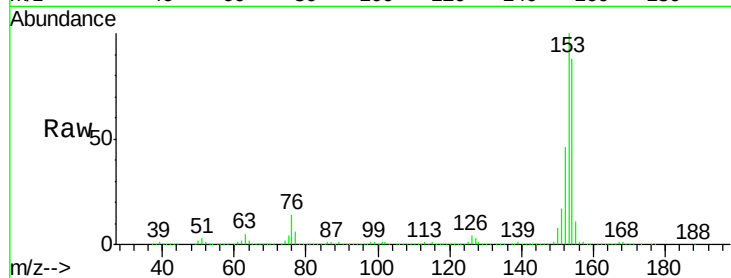
Tgt Ion:154 Resp: 737883

Ion Ratio Lower Upper

154 100

153 113.5 90.6 135.8

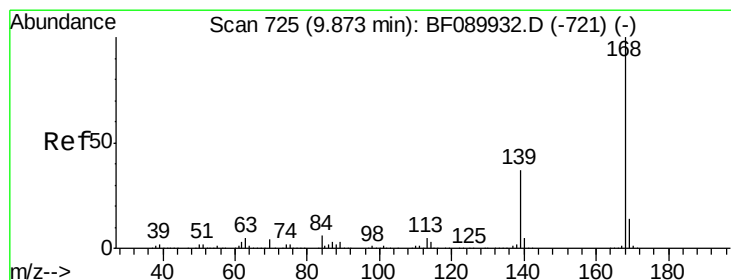
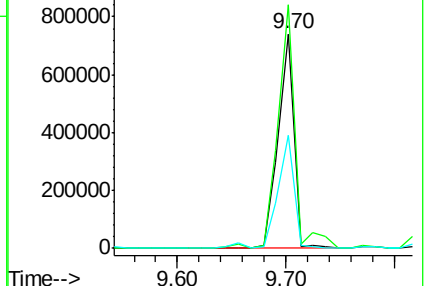
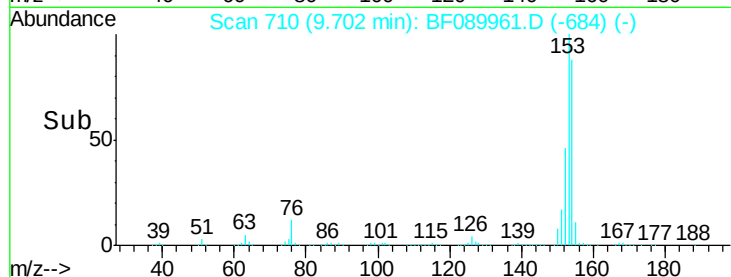
152 52.5 42.4 63.6



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



#54

Dibenzofuran

Concen: 27.88 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

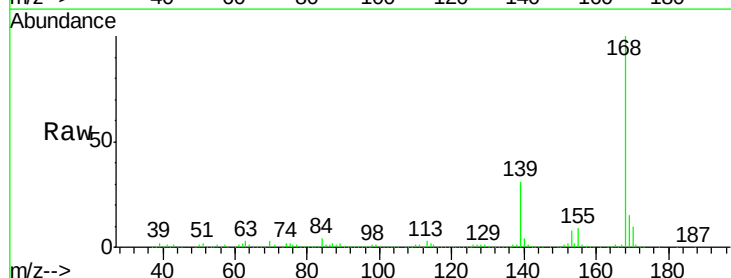
Tgt Ion:168 Resp: 775585

Ion Ratio Lower Upper

168 100

139 31.0 29.5 44.3

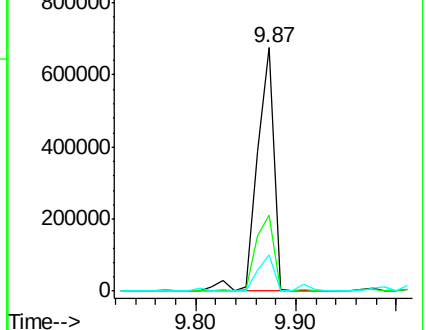
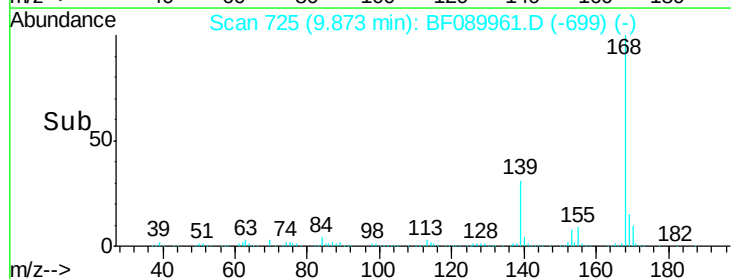
169 14.6 10.8 16.2

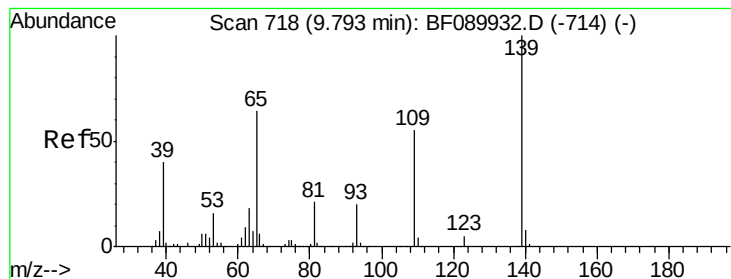


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 52.53 ng

RT: 9.87 min Scan# 725

Delta R.T. 0.08 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

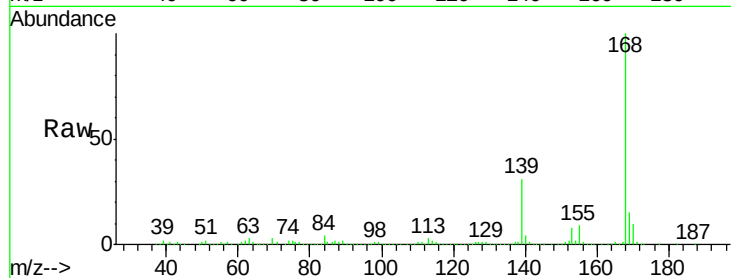
Tgt Ion:139 Resp: 252673

Ion Ratio Lower Upper

139 100

109 1.1 31.3 71.3#

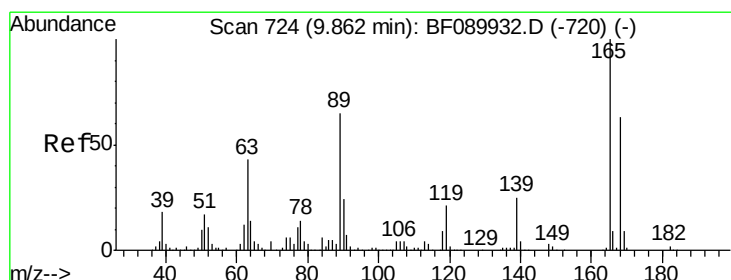
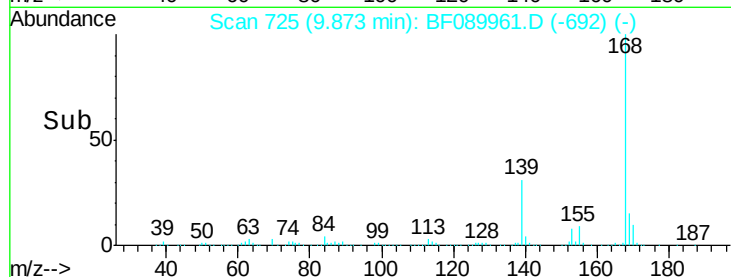
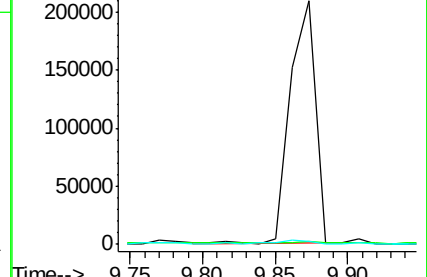
65 1.5 38.5 78.5#



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): E



#56

2,4-Dinitrotoluene

Concen: 2.46 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Tgt Ion:165 Resp: 17452

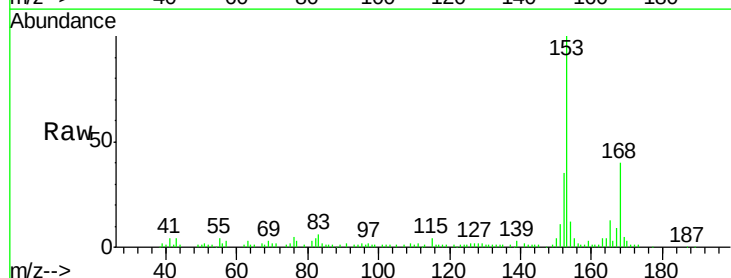
Ion Ratio Lower Upper

165 100

63 21.8 32.5 48.7#

89 6.8 48.3 72.5#

182 0.0 1.7 2.5#

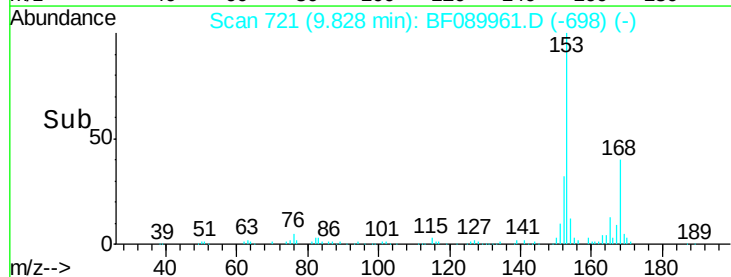
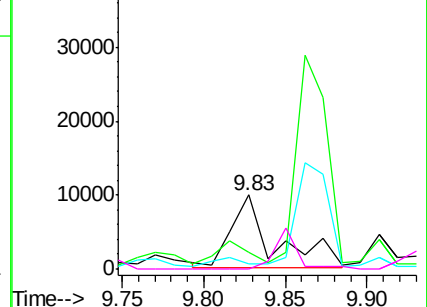


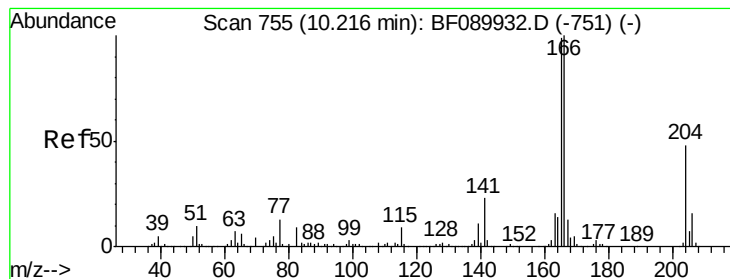
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 47.47 ng

RT: 10.22 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

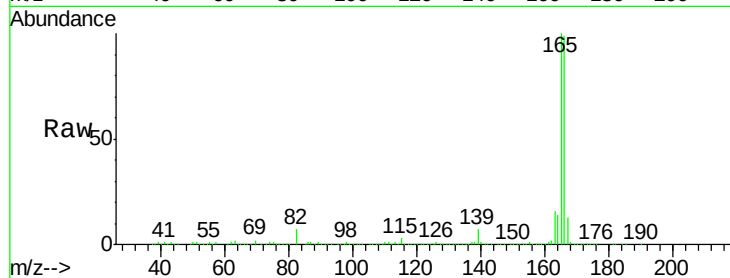
Tgt Ion:166 Resp: 964844

Ion Ratio Lower Upper

166 100

165 101.1 78.6 118.0

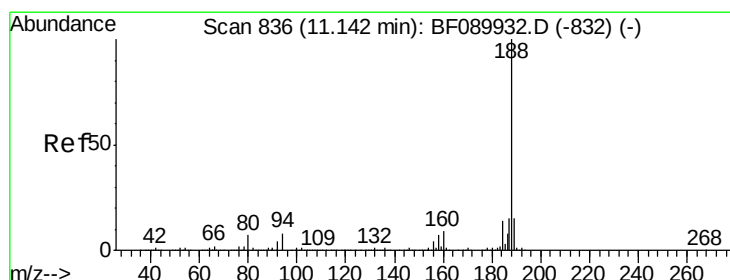
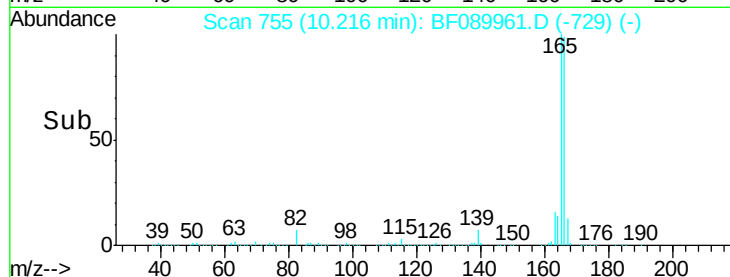
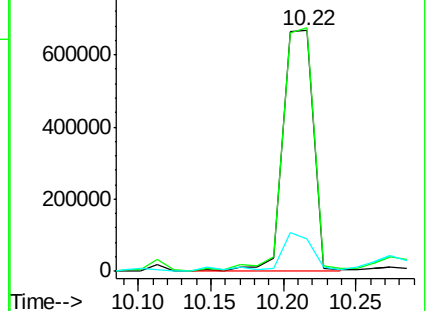
167 13.3 10.6 15.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

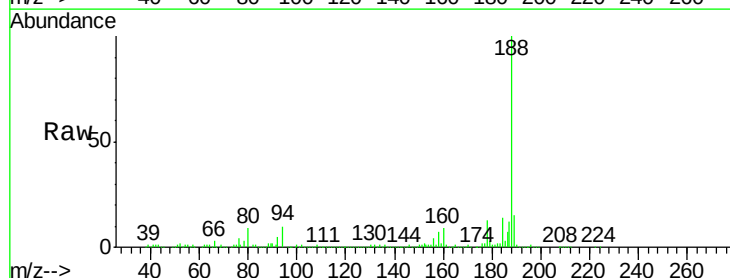
Tgt Ion:188 Resp: 520701

Ion Ratio Lower Upper

188 100

94 9.7 5.9 8.9#

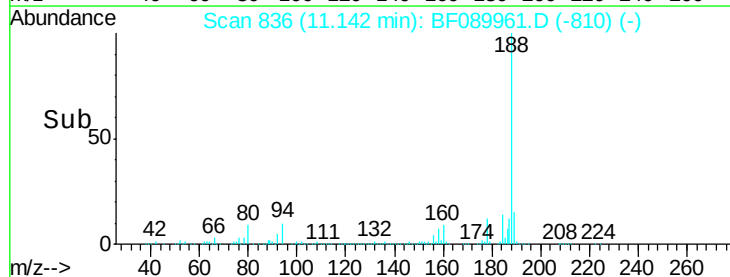
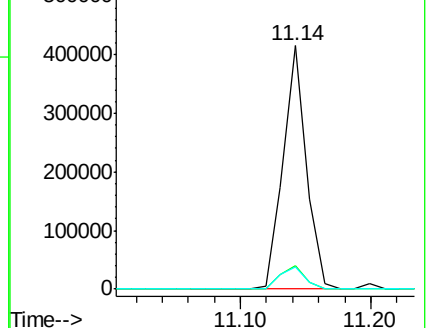
80 9.3 5.8 8.8#

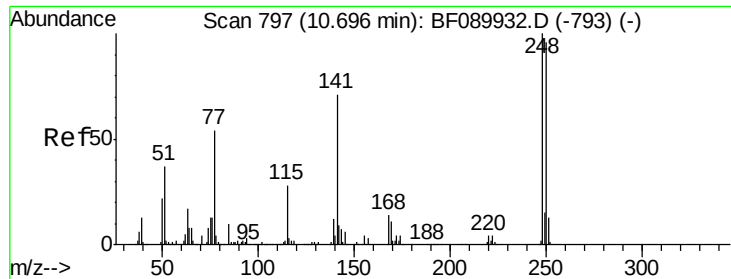


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.72 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.25 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampled :

11FT-SOIL

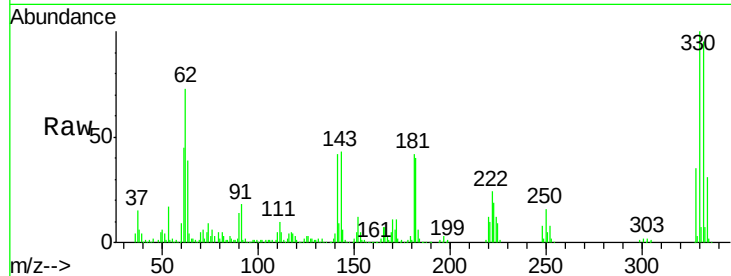
Tgt Ion:248 Resp: 24719

Ion Ratio Lower Upper

248 100

250 199.0 77.3 115.9#

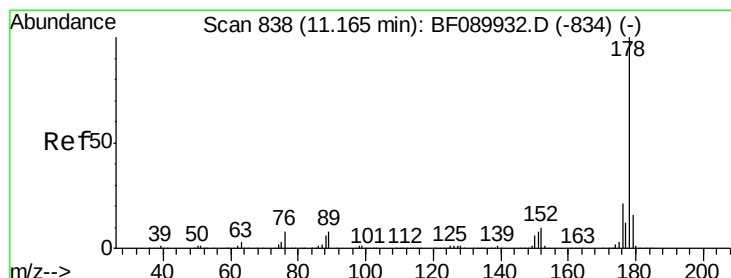
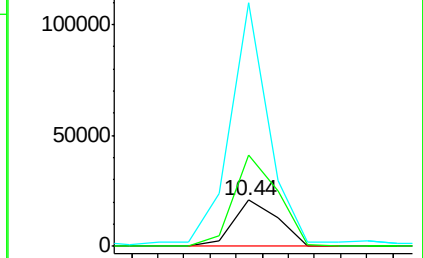
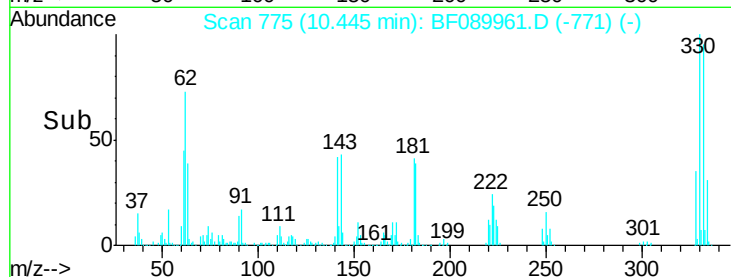
141 529.5 55.8 83.8#



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



#70

Phenanthrene

Concen: 179.47 ng

RT: 11.18 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

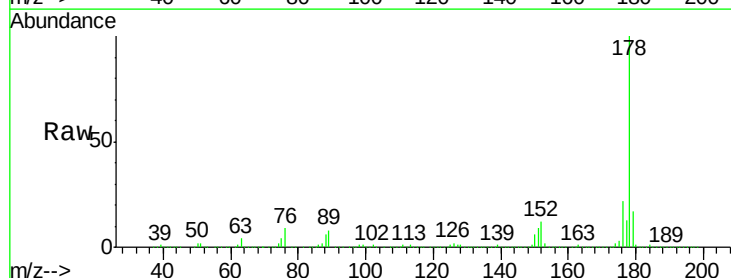
Tgt Ion:178 Resp: 4653633

Ion Ratio Lower Upper

178 100

176 21.6 16.5 24.7

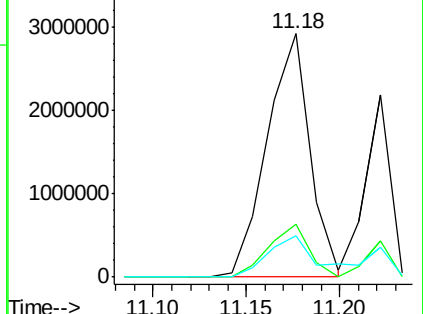
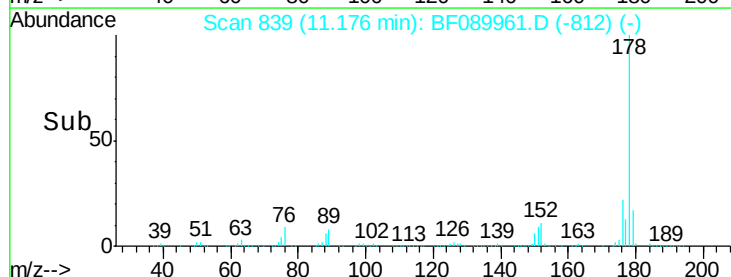
179 16.9 12.8 19.2

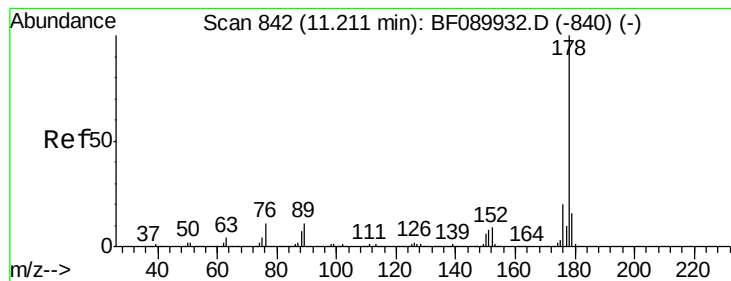


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 78.62 ng

RT: 11.22 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

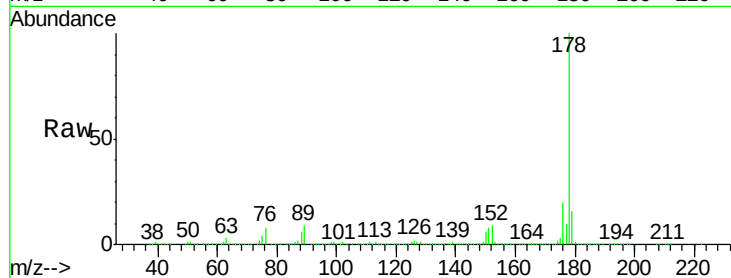
Tgt Ion:178 Resp: 2067785

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

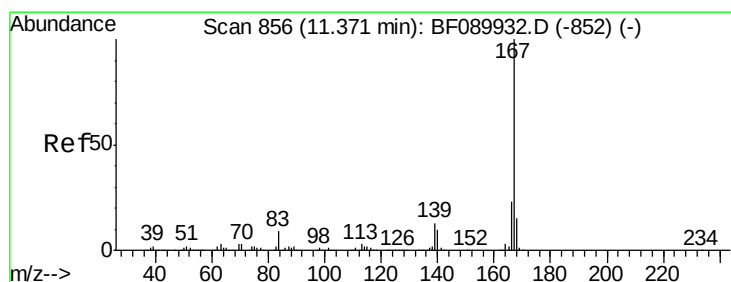
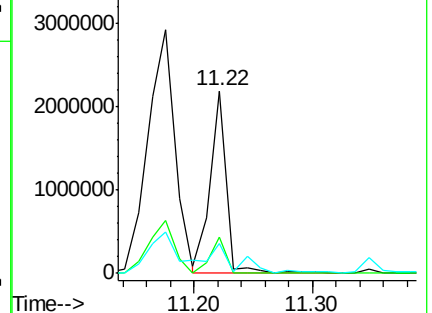
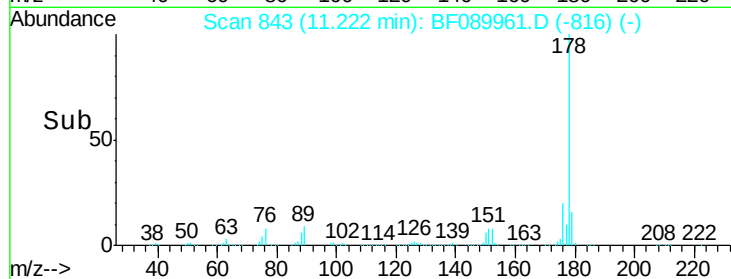
179 16.2 13.0 19.4



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



#72

Carbazole

Concen: 33.81 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

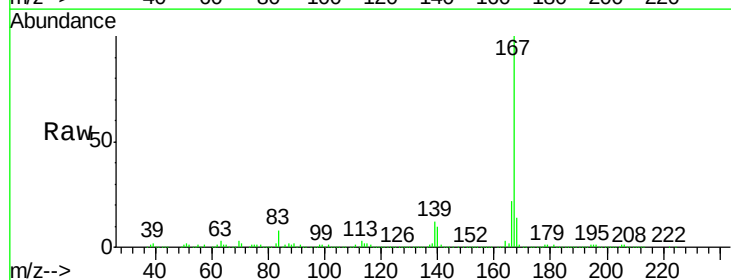
Tgt Ion:167 Resp: 833716

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

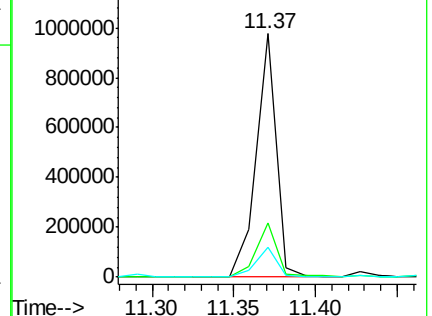
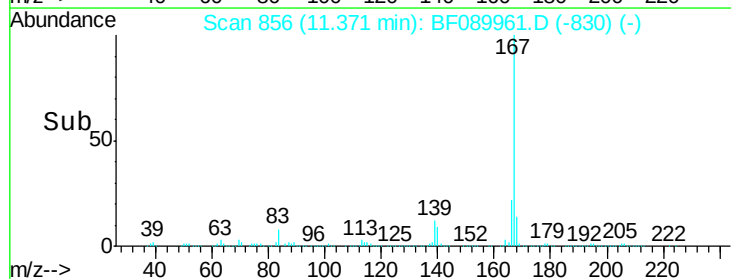
139 12.3 10.4 15.6

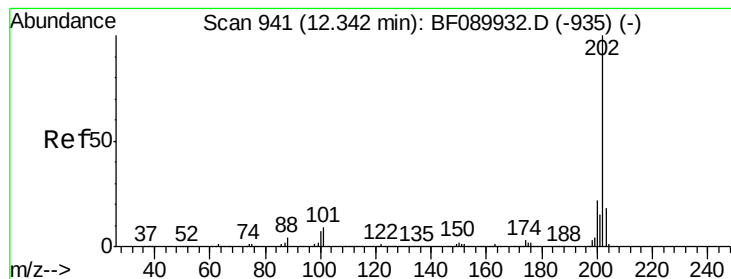


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 205.05 ng

RT: 12.36 min Scan# 943

Delta R.T. 0.02 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

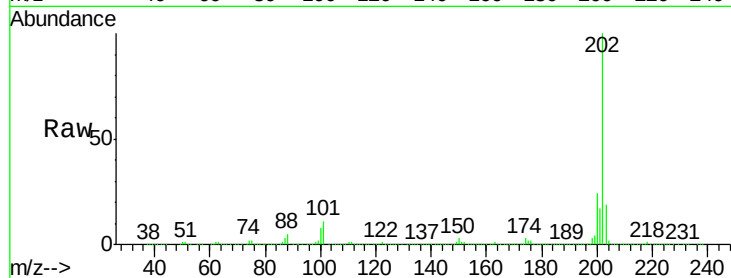
Tgt Ion:202 Resp: 5572104

Ion Ratio Lower Upper

202 100

101 10.6 0.0 28.5

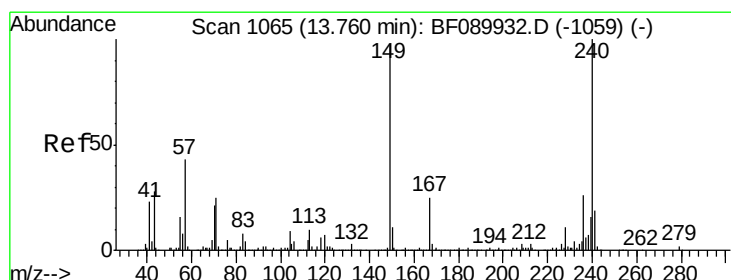
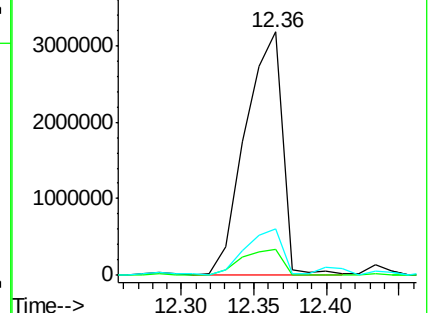
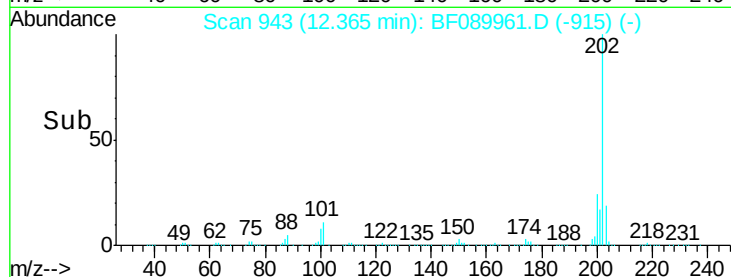
203 19.4 0.0 38.0



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: 13.77 min Scan# 1066

Delta R.T. 0.01 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

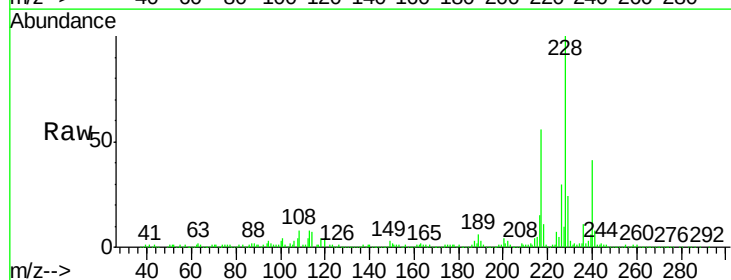
Tgt Ion:240 Resp: 363386

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

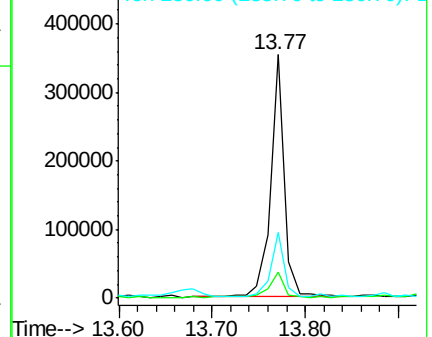
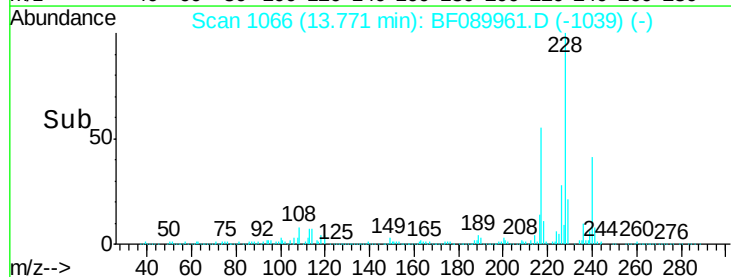
236 26.8 21.3 31.9

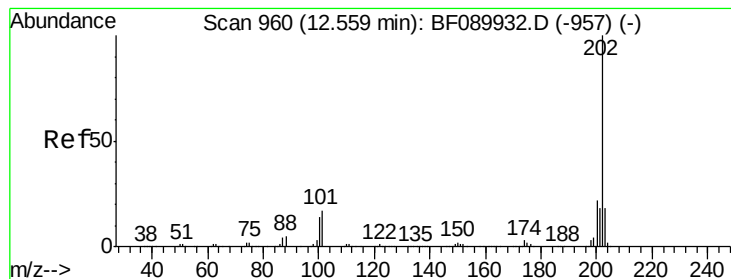


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 217.48 ng

RT: 12.36 min Scan# 943

Delta R.T. -0.19 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

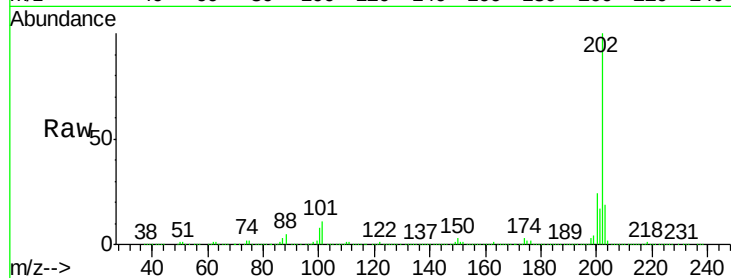
Tgt Ion:202 Resp: 5572104

Ion Ratio Lower Upper

202 100

200 23.8 17.6 26.4

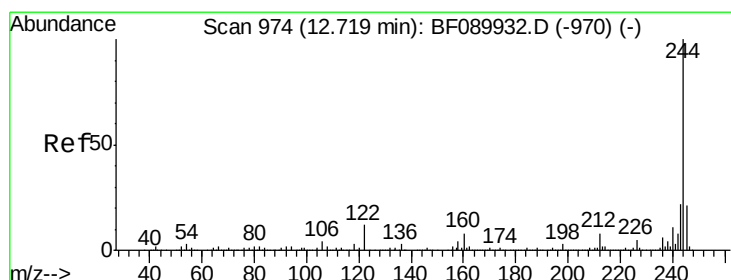
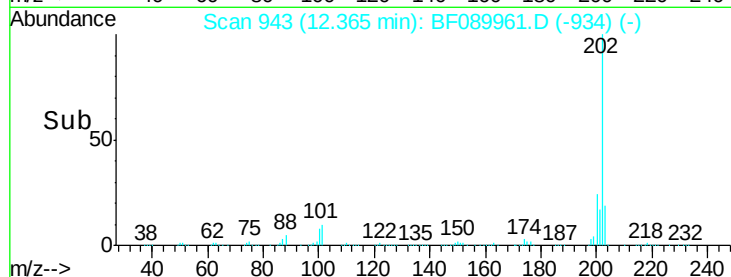
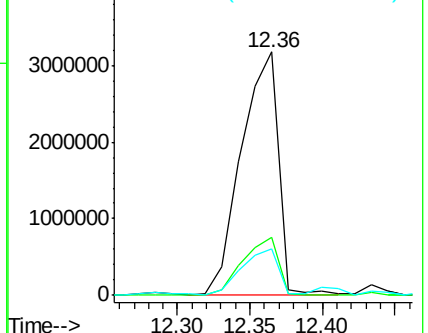
203 19.4 14.6 21.8



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: 80.48 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

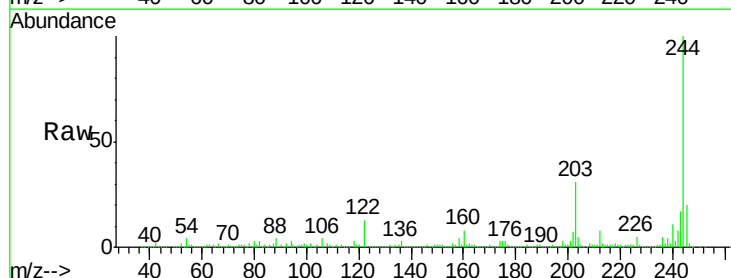
Tgt Ion:244 Resp: 1183909

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

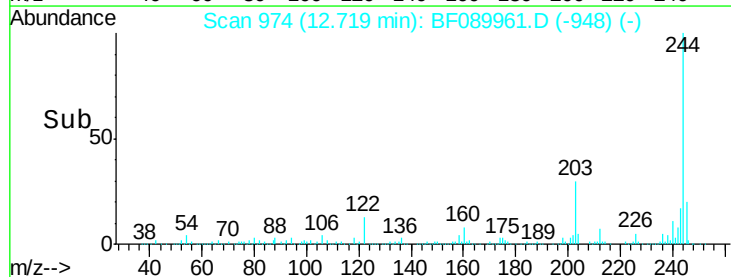
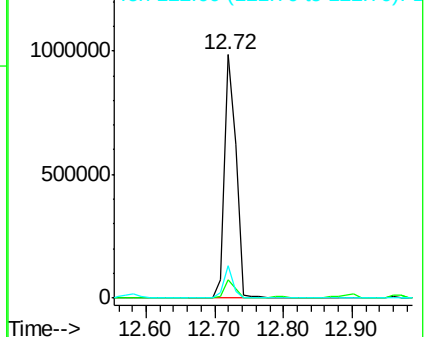
122 13.4 9.6 14.4

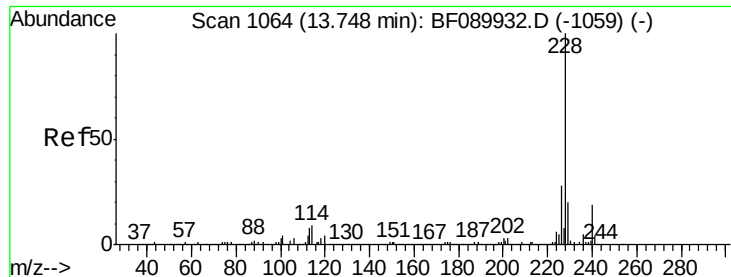


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 161.58 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.01 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

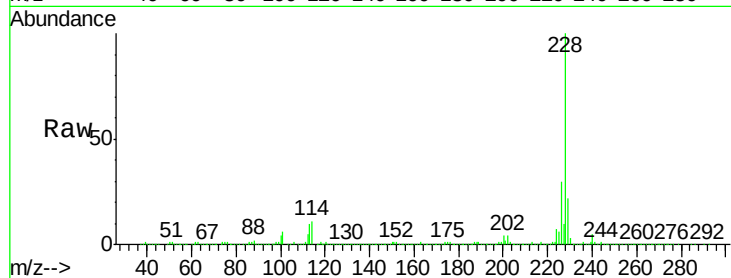
Tgt Ion:228 Resp: 3596134

Ion Ratio Lower Upper

228 100

226 30.0 22.2 33.2

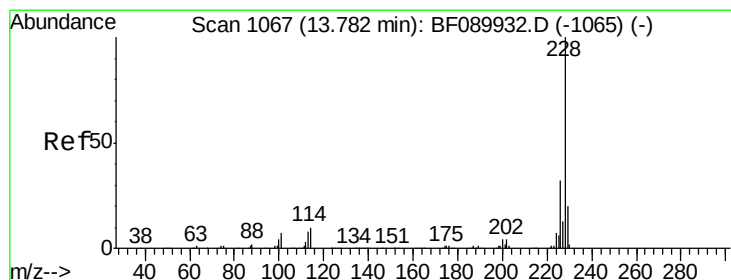
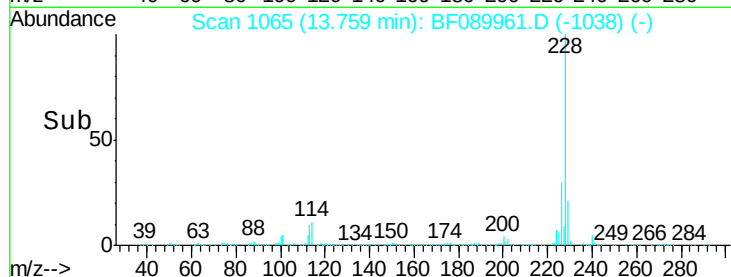
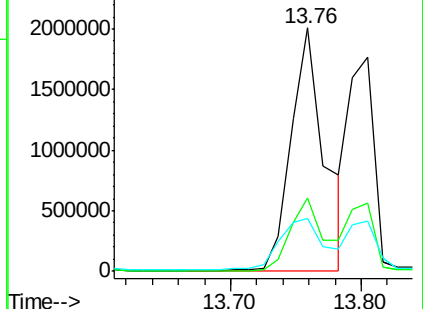
229 21.8 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 113.17 ng

RT: 13.81 min Scan# 1069

Delta R.T. 0.02 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

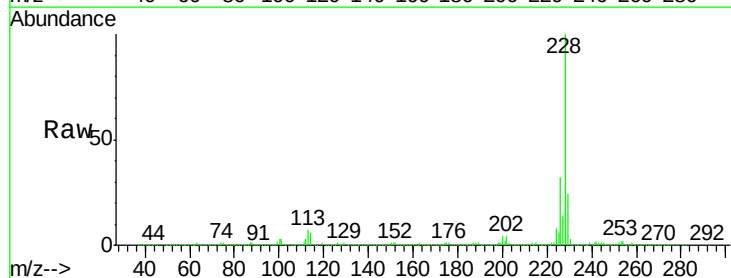
Tgt Ion:228 Resp: 2352772

Ion Ratio Lower Upper

228 100

226 31.9 25.2 37.8

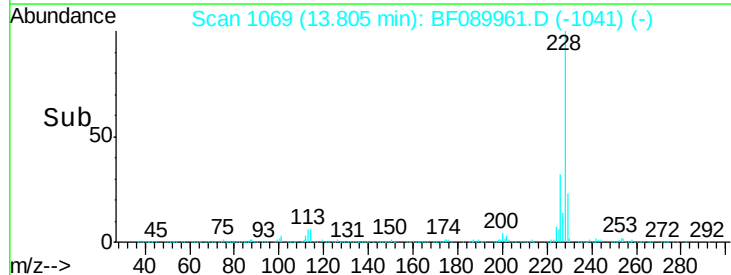
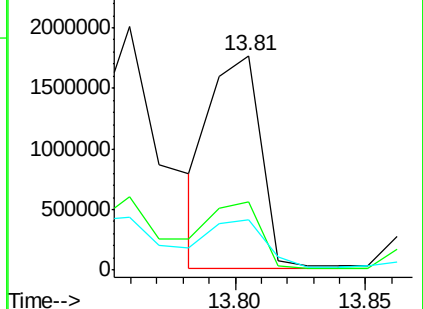
229 23.6 16.2 24.2

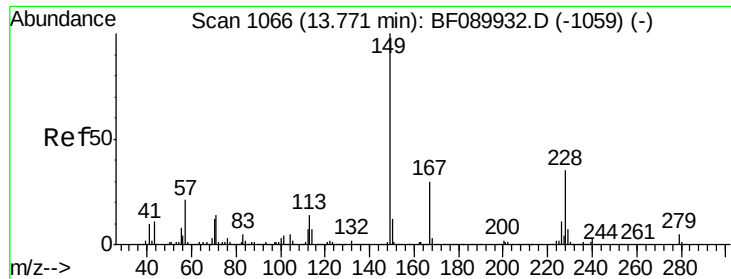


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.77 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

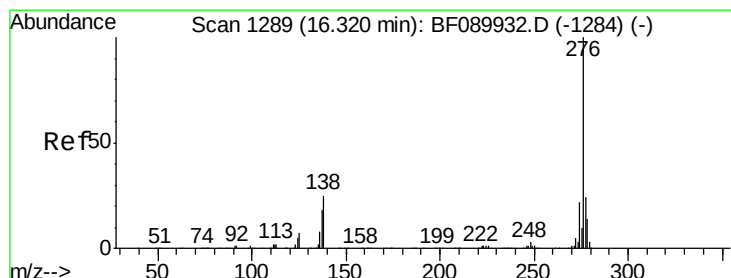
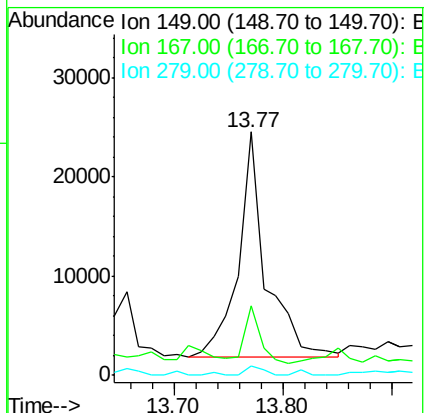
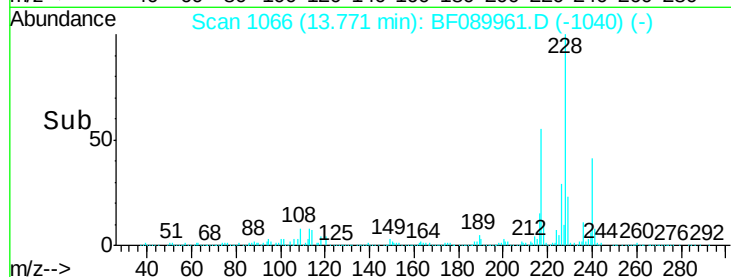
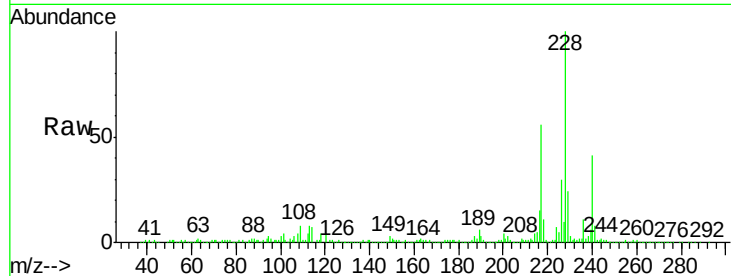
Tgt Ion:149 Resp: 39624

Ion Ratio Lower Upper

149 100

167 28.7 23.6 35.4

279 3.9 3.4 5.2



#85

Indeno(1,2,3-cd)pyrene

Concen: 108.32 ng

RT: 16.37 min Scan# 1293

Delta R.T. 0.05 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

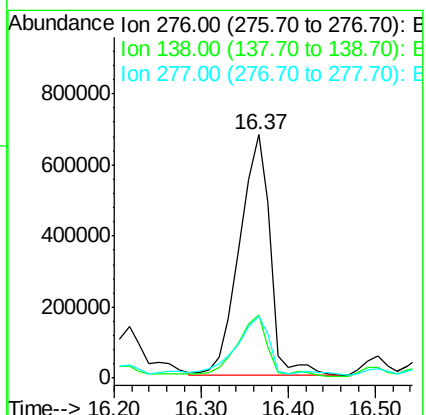
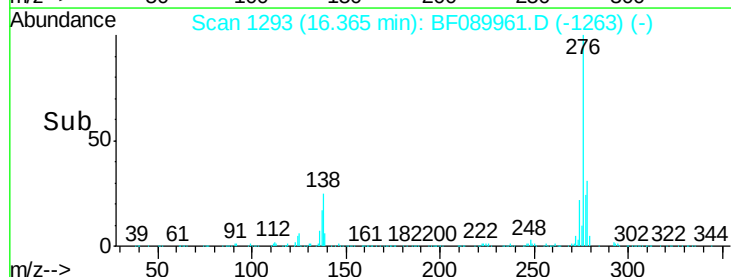
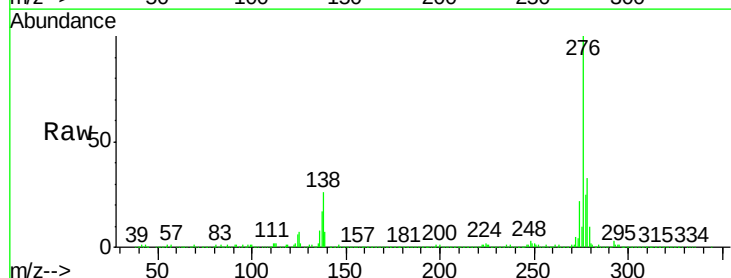
Tgt Ion:276 Resp: 1664987

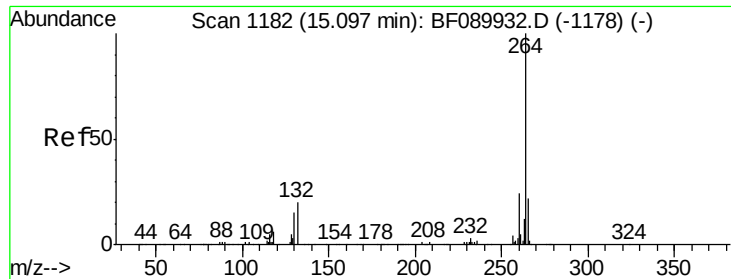
Ion Ratio Lower Upper

276 100

138 23.0 22.6 34.0

277 25.8 20.1 30.1

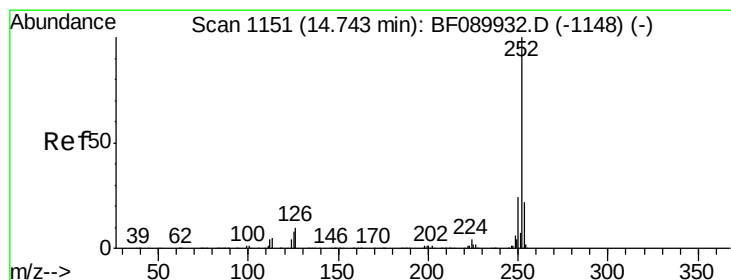
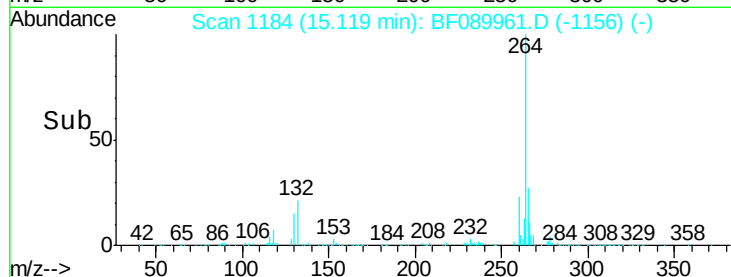
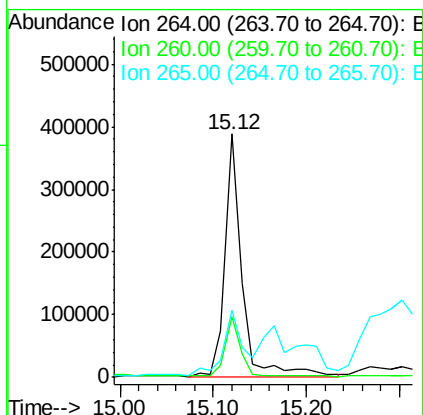
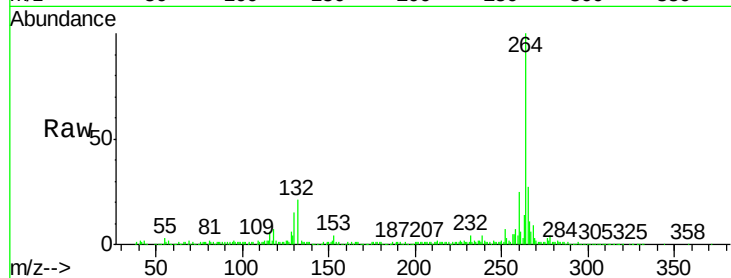




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.02 min
Lab File: BF089961.D
Acq: 31 Aug 2016 20:17

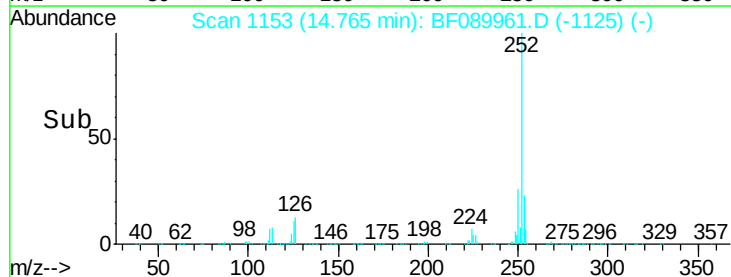
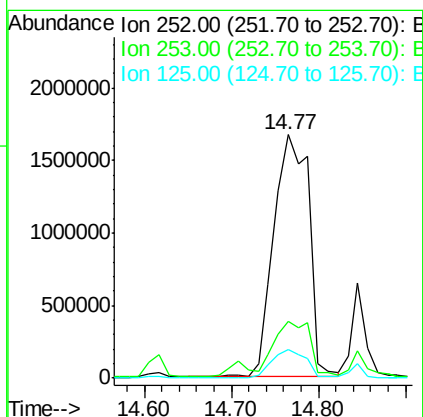
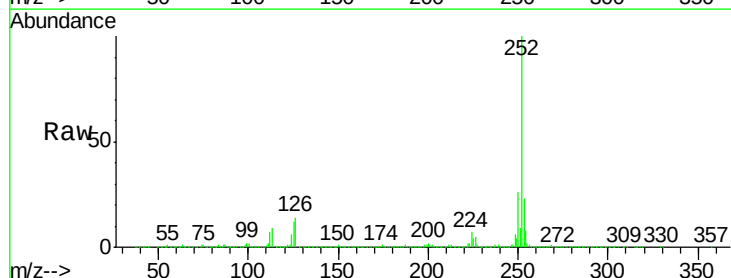
Instrument :
BNA_F
ClientSampleId :
11FT-SOIL

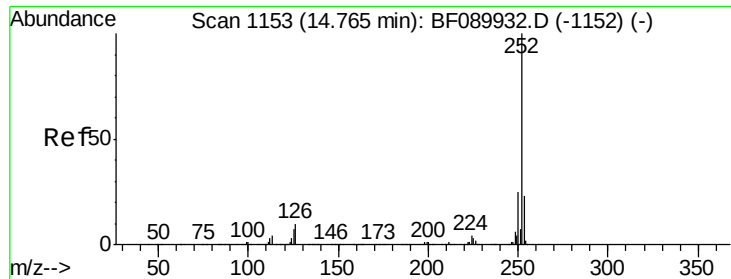
Tgt Ion:264 Resp: 487141
Ion Ratio Lower Upper
264 100
260 24.9 19.4 29.0
265 27.4 17.4 26.2#



#87
Benzo(b)fluoranthene
Concen: 154.54 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF089961.D
Acq: 31 Aug 2016 20:17

Tgt Ion:252 Resp: 4716100
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 11.7 5.7 8.5#

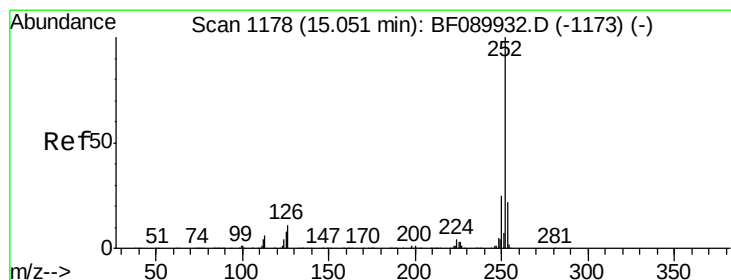
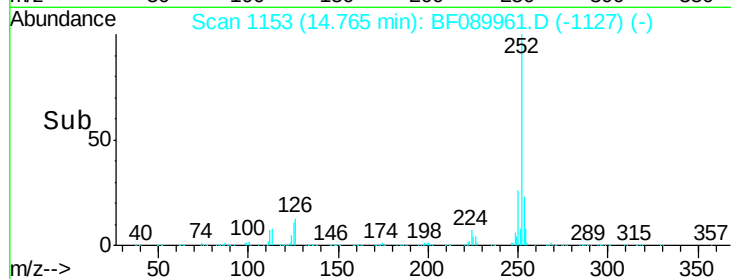
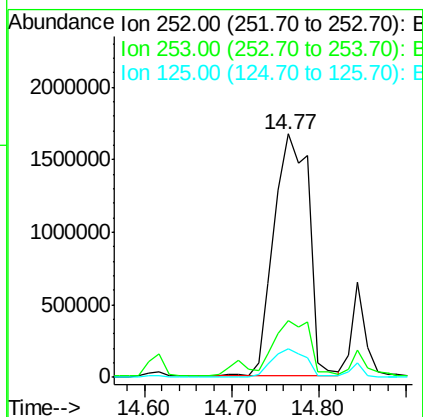
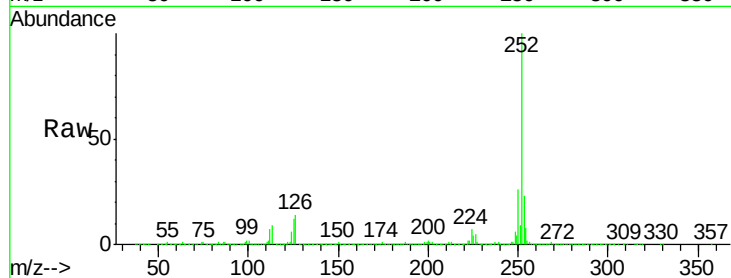




#88
Benzo(k)fluoranthene
Concen: 182.04 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF089961.D
Acq: 31 Aug 2016 20:17

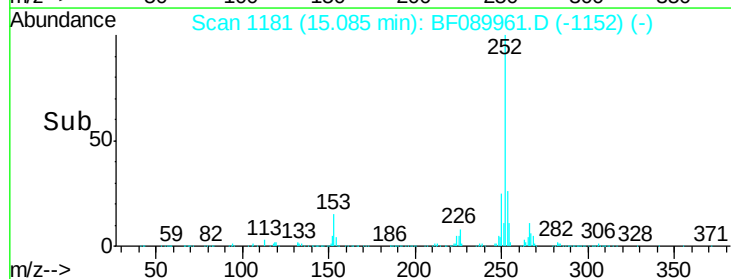
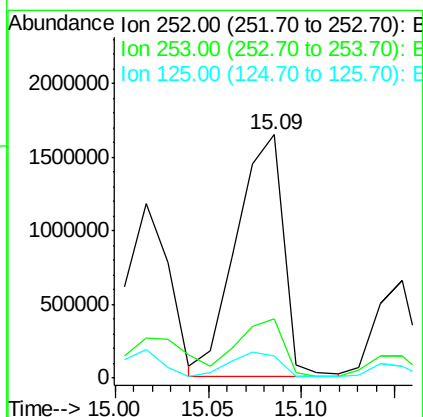
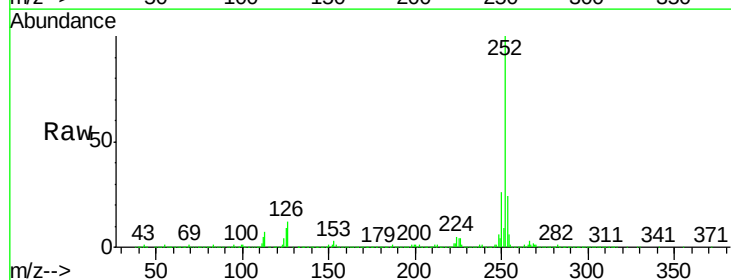
Instrument :
BNA_F
ClientSampleId :
11FT-SOIL

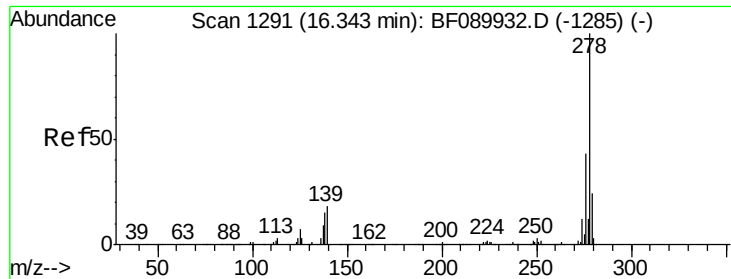
Tgt Ion:252 Resp: 4714135
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.7 7.3 10.9#



#89
Benzo(a)pyrene
Concen: 109.38 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.03 min
Lab File: BF089961.D
Acq: 31 Aug 2016 20:17

Tgt Ion:252 Resp: 2859983
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 8.9 6.3 9.5





#90

Dibenzo(a,h)anthracene

Concen: 29.97 ng

RT: 16.38 min Scan# 1294

Delta R.T. 0.03 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

Instrument :

BNA_F

ClientSampleId :

11FT-SOIL

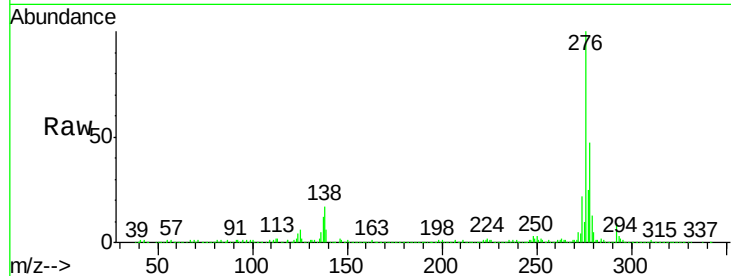
Tgt Ion:278 Resp: 574103

Ion Ratio Lower Upper

278 100

139 13.8 13.4 20.2

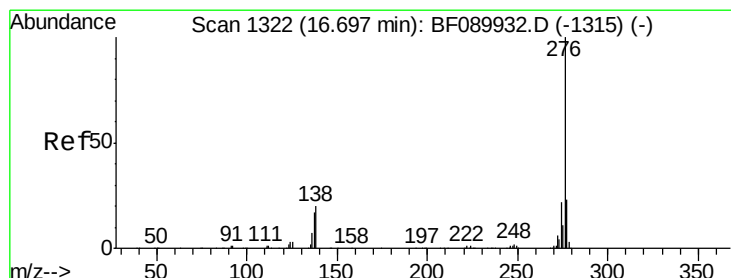
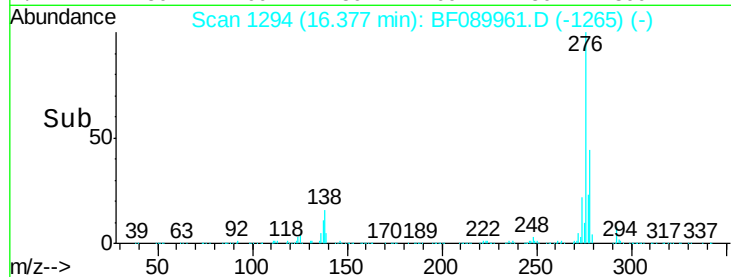
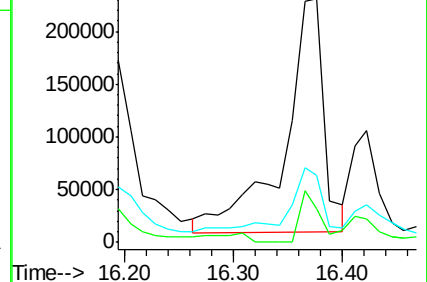
279 27.6 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 78.50 ng

RT: 16.74 min Scan# 1326

Delta R.T. 0.05 min

Lab File: BF089961.D

Acq: 31 Aug 2016 20:17

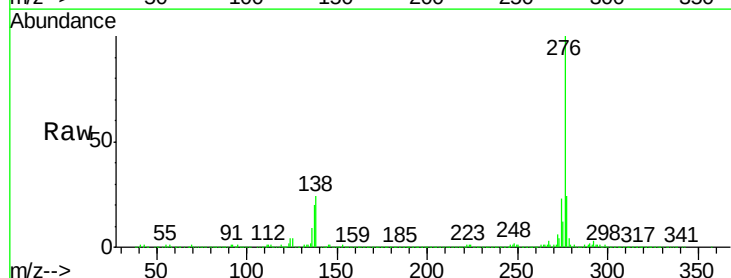
Tgt Ion:276 Resp: 1513668

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 23.7 16.4 24.6



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

