

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093872.D
 Acq On : 23 Mar 2017 9:57
 Operator : SJ/MA
 Sample : I2348-04 2X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JFC-SOIL-COMP

Quant Time: Mar 23 17:01:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

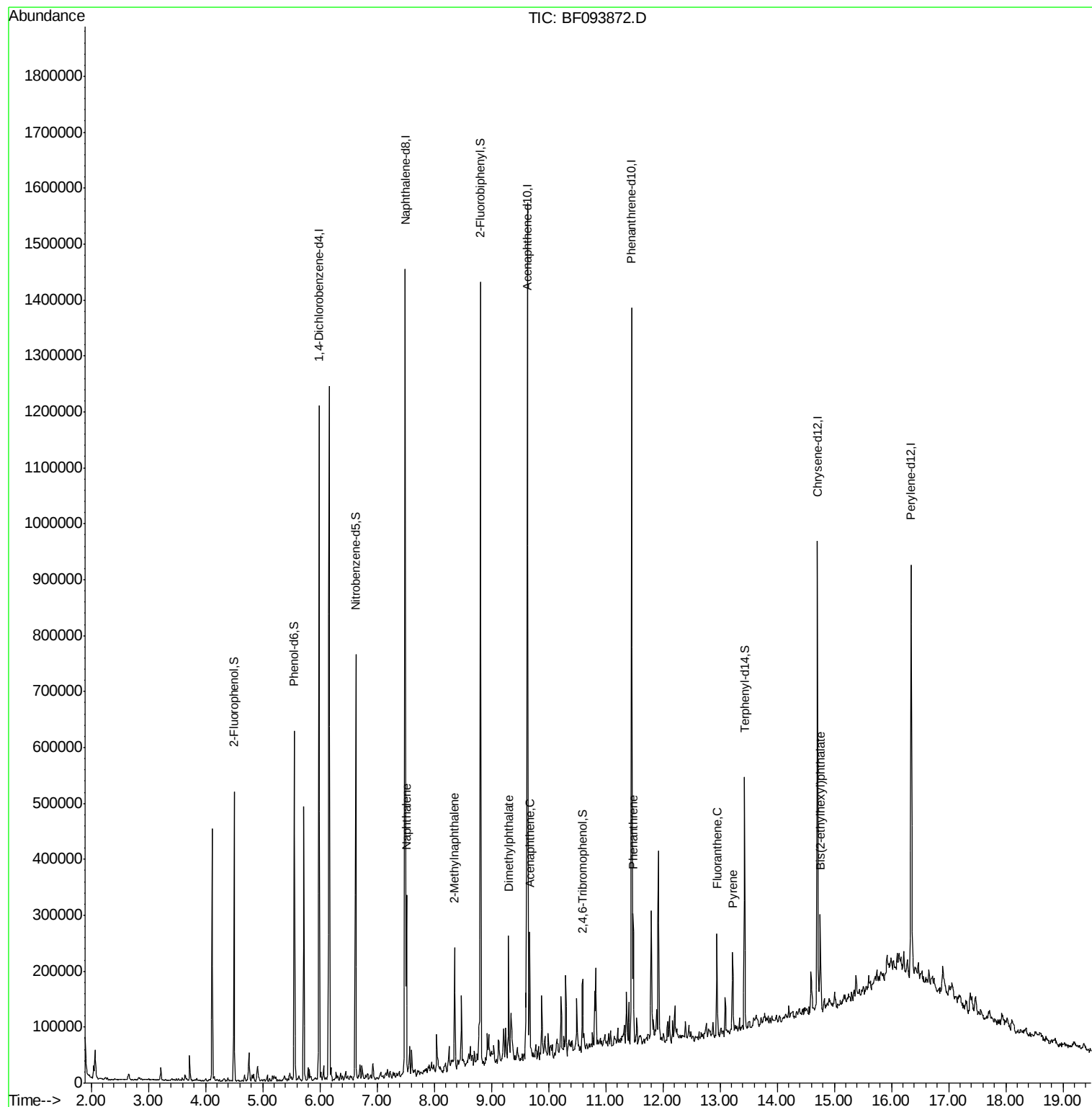
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	190109	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	743523	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	316850	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	485697	20.00	ng	0.00
75) Chrysene-d12	14.70	240	326715	20.00	ng	-0.01
86) Perylene-d12	16.34	264	302185	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	125465	11.15	ng	0.00
7) Phenol-d6	5.55	99	198746	14.27	ng	-0.02
23) Nitrobenzene-d5	6.63	82	257261	19.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	11621	4.64	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	420444	20.24	ng	-0.01
78) Terphenyl-d14	13.43	244	144260	9.90	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.52	128	142895	4.00	ng	97
37) 2-Methylnaphthalene	8.36	142	55724	2.34	ng	95
49) Dimethylphthalate	9.30	163	87778	3.90	ng	99
51) Acenaphthene	9.67	154	44646	2.30	ng	98
70) Phenanthrene	11.48	178	88360	3.27	ng	100
74) Fluoranthene	12.94	202	76915	2.78	ng	98
77) Pyrene	13.22	202	56309m	2.37	ng	
83) Bis(2-ethylhexyl)phthalate	14.76	149	53725	3.90	ng	99

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

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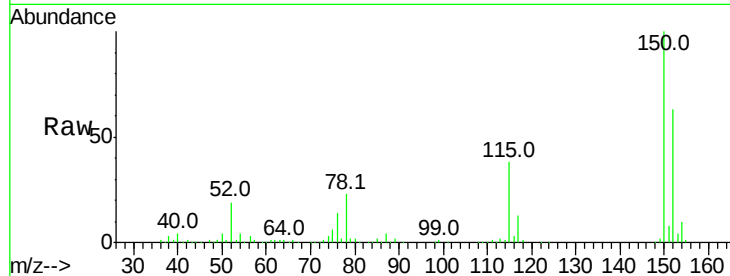


#1

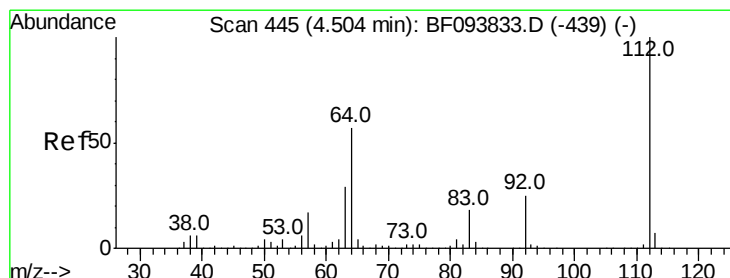
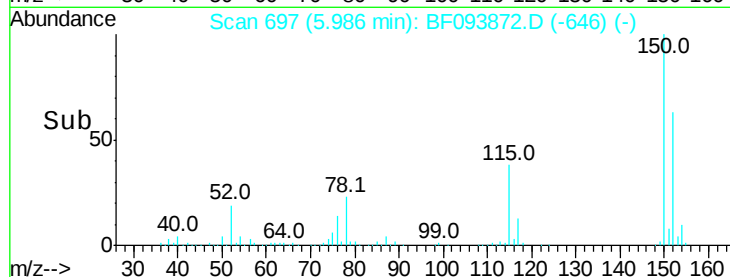
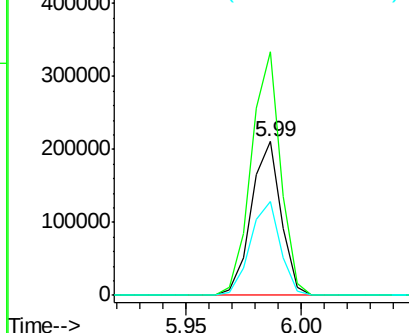
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093872.D
Acq: 23 Mar 2017 9:57

Instrument :
BNA_F
ClientSampleId :
JFC-SOIL-COMP

Tot Ion:152 Resp: 190109
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 60.6 52.2 78.2



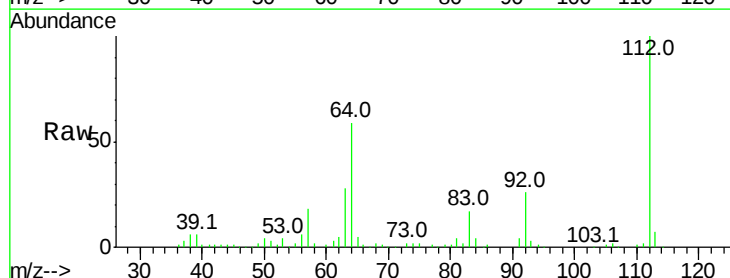
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



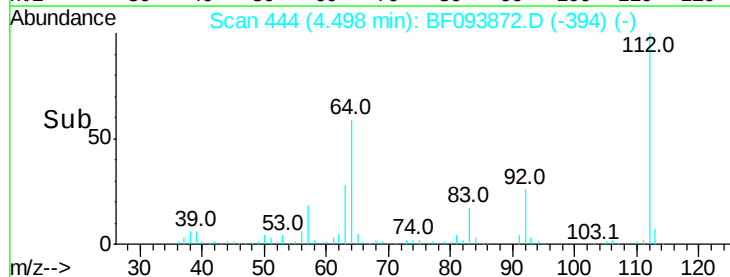
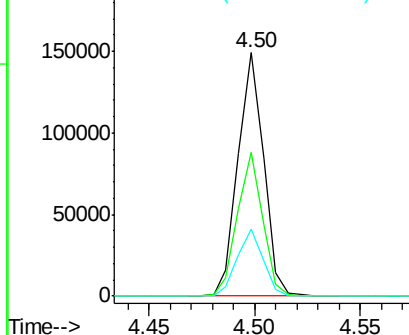
#5

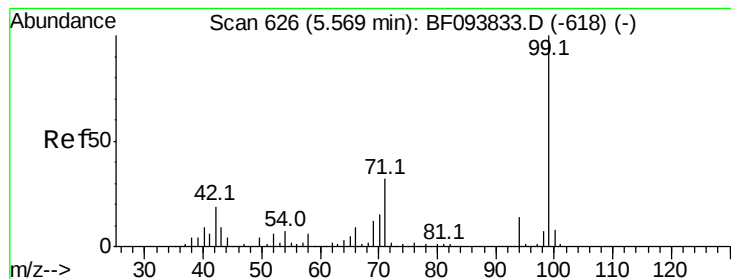
2-Fluorophenol
Concen: 11.15 ng
RT: 4.50 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF093872.D
Acq: 23 Mar 2017 9:57

Tgt Ion:112 Resp: 125465
Ion Ratio Lower Upper
112 100
64 59.0 46.0 69.0
63 27.6 23.4 35.0



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: 14.27 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.02 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

Instrument :

BNA_F

ClientSampleId :

JFC-SOIL-COMP

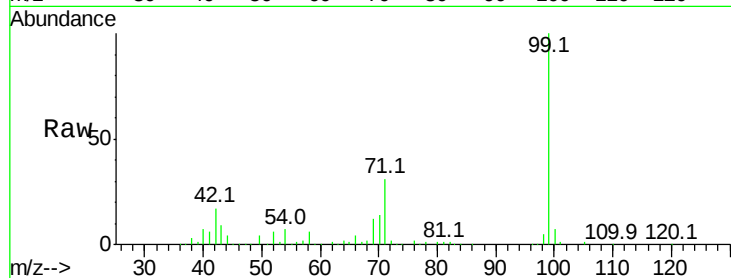
Tot Ion: 99 Resp: 198746

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

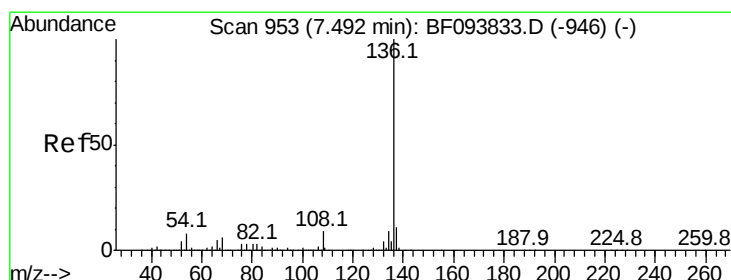
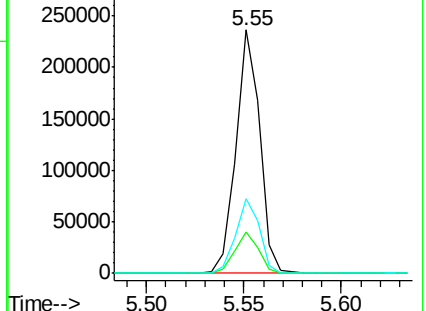
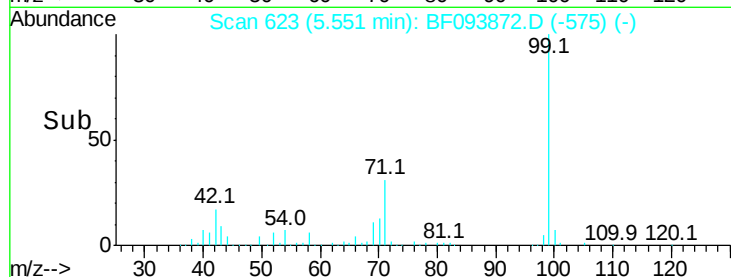
71 30.9 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

Tgt Ion: 136 Resp: 743523

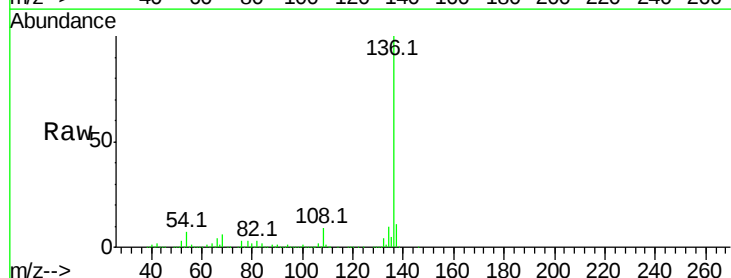
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.2 4.9 7.3

68 5.8 4.1 6.1

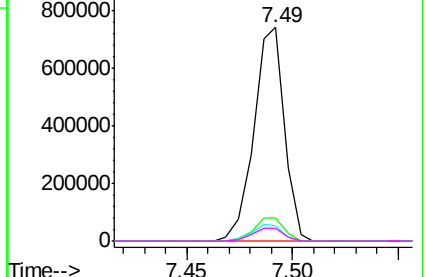
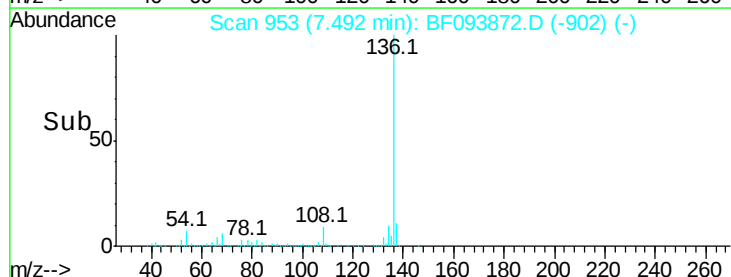


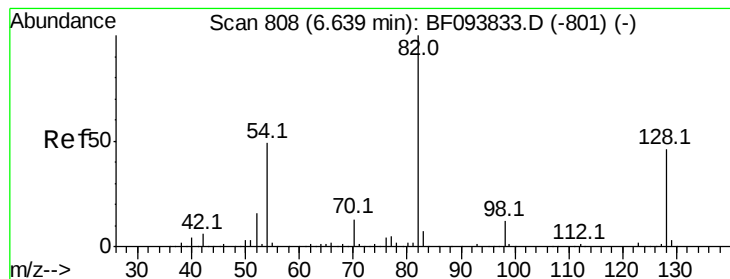
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 19.75 ng

RT: 6.63 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

Instrument :

BNA_F

ClientSampleId :

JFC-SOIL-COMP

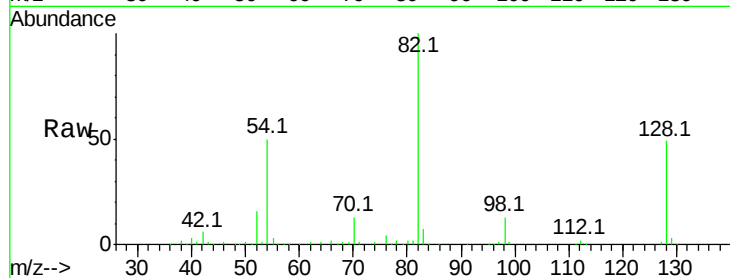
Tot Ion: 82 Resp: 257261

Ion Ratio Lower Upper

82 100

128 49.3 34.0 51.0

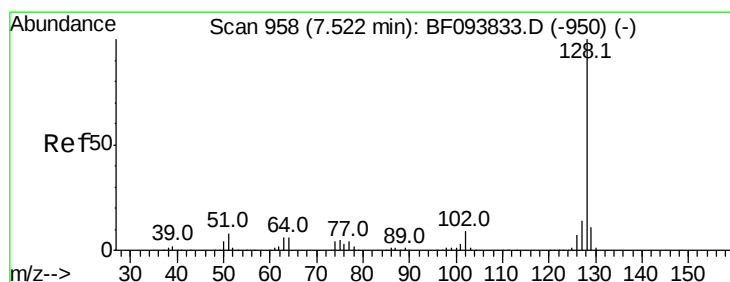
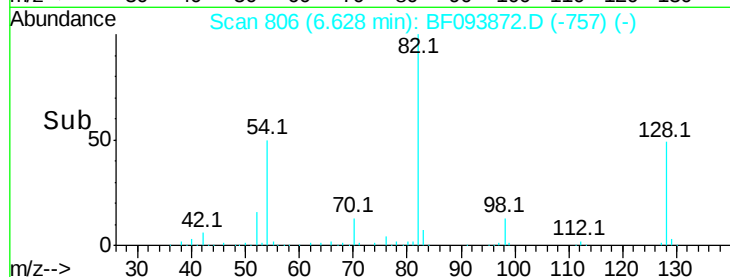
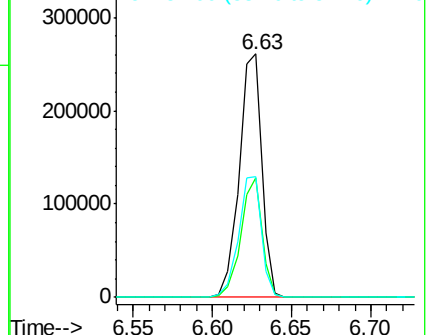
54 49.5 42.2 63.2



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: 4.00 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

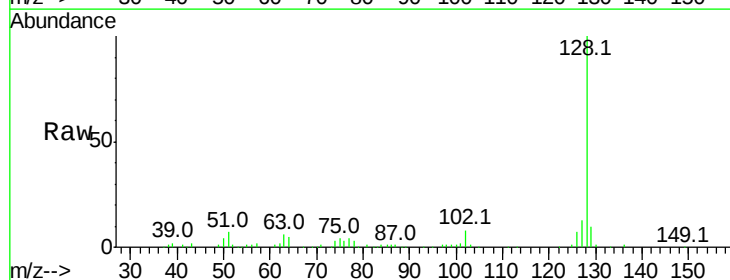
Tgt Ion: 128 Resp: 142895

Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.6

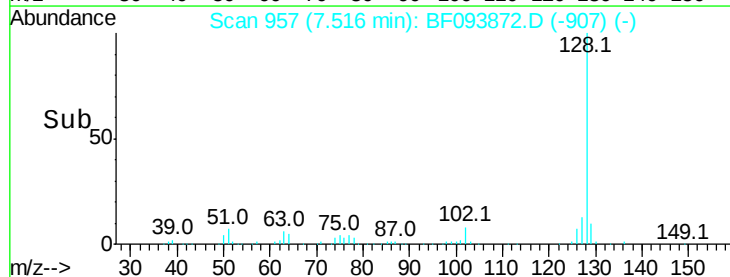
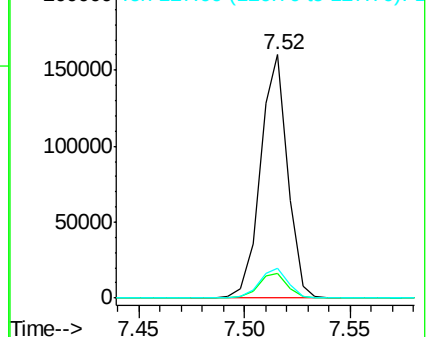
127 12.5 10.8 16.2

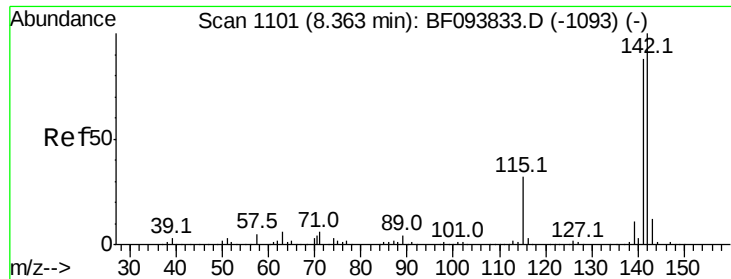


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

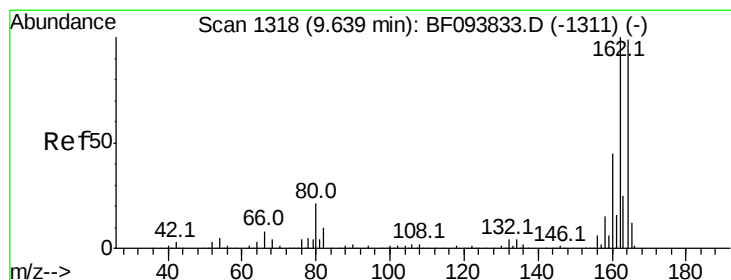
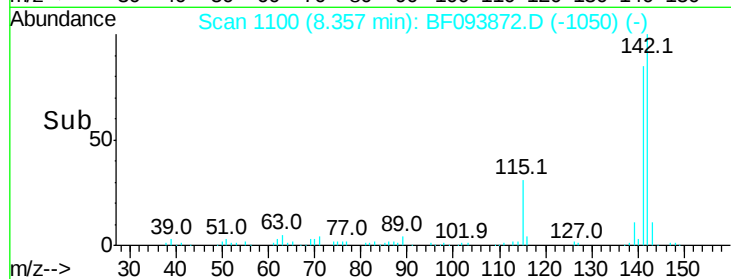
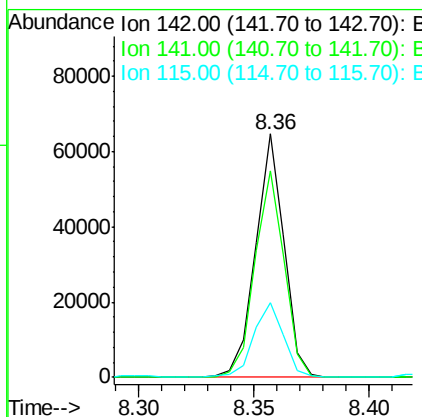
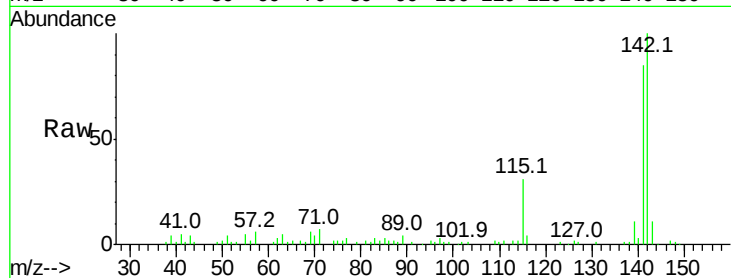




#37
 2-Methylnaphthalene
 Concen: 2.34 ng
 RT: 8.36 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF093872.D
 Acq: 23 Mar 2017 9:57

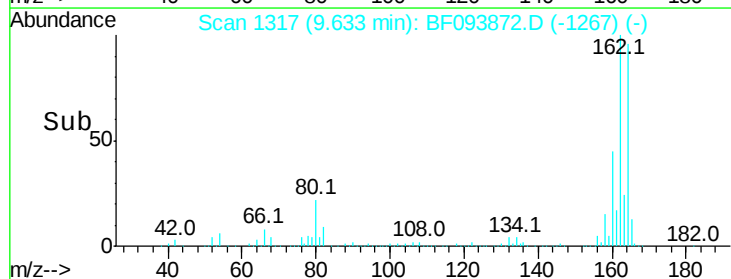
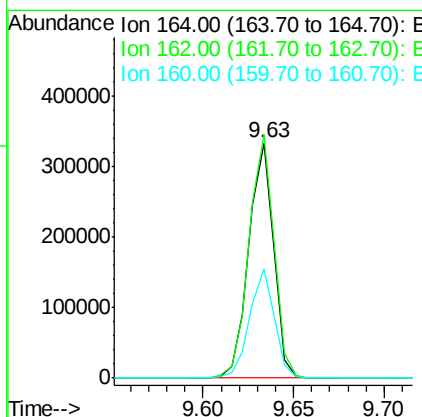
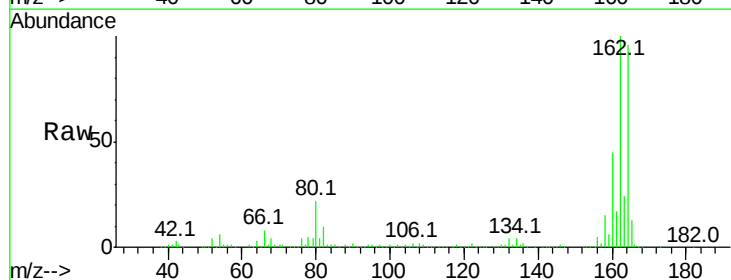
Instrument :
 BNA_F
 ClientSampleId :
 JFC-SOIL-COMP

Tot Ion:142 Resp: 55724
 Ion Ratio Lower Upper
 142 100
 141 85.0 71.3 106.9
 115 30.9 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093872.D
 Acq: 23 Mar 2017 9:57

Tgt Ion:164 Resp: 316850
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 46.4 36.2 54.2

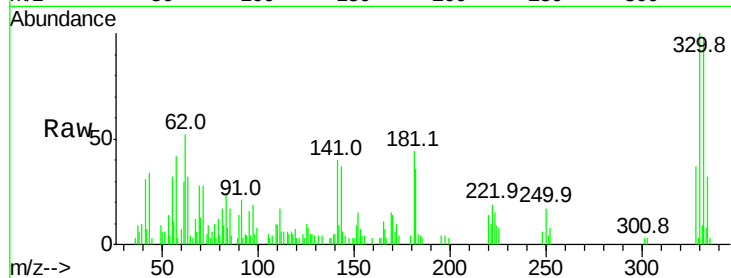




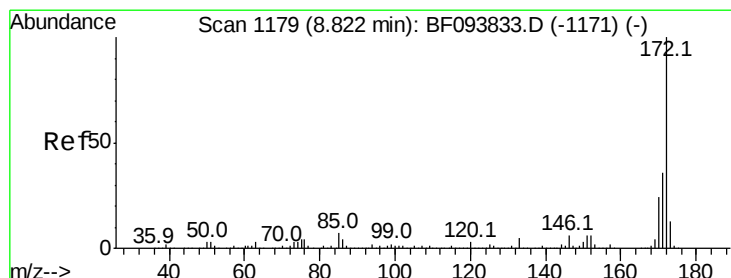
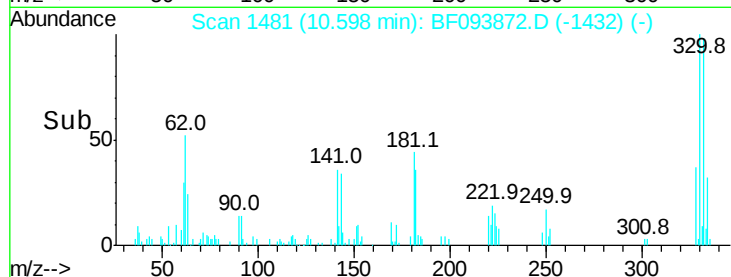
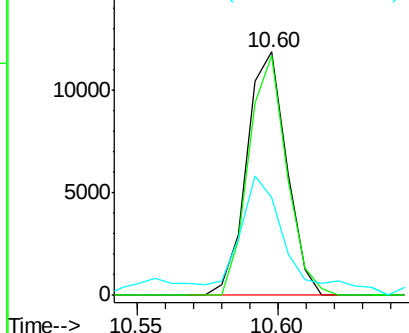
#41
 2,4,6-Tribromophenol
 Concen: 4.64 ng
 RT: 10.60 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF093872.D
 Acq: 23 Mar 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 JFC-SOIL-COMP

Tot Ion:330 Resp: 11621
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 115.0
 141 57.8 31.4 47.2#

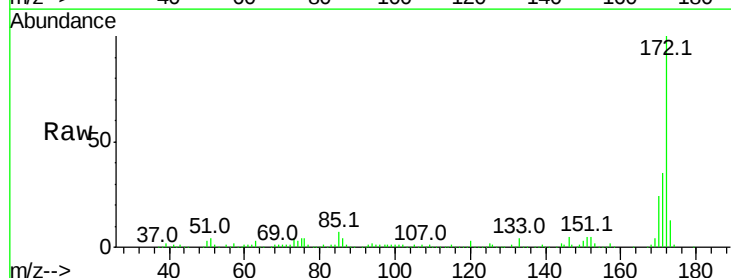


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

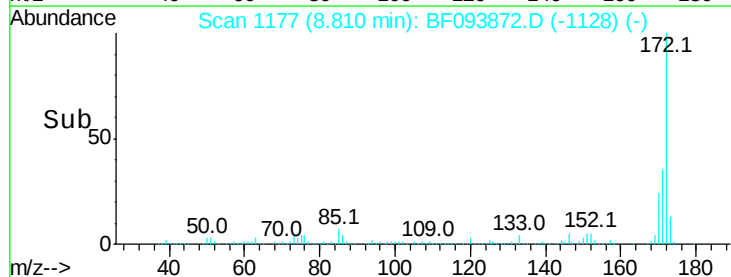
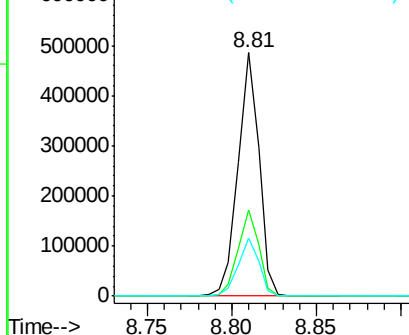


#44
 2-Fluorobiphenyl
 Concen: 20.24 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF093872.D
 Acq: 23 Mar 2017 9:57

Tgt Ion:172 Resp: 420444
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.6 19.8 29.8



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

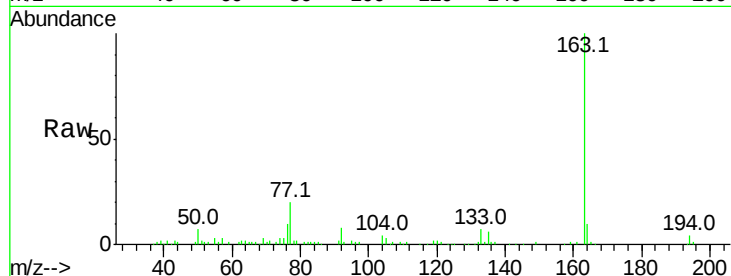




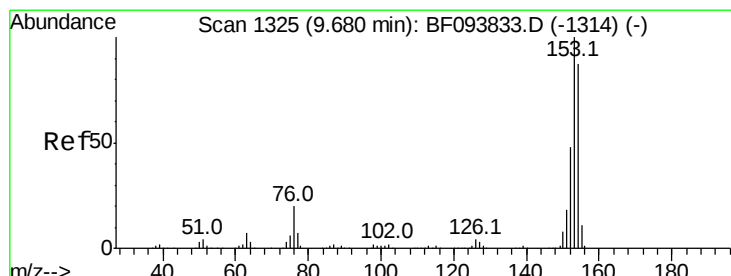
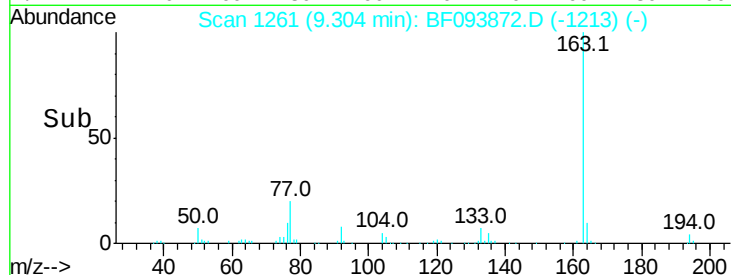
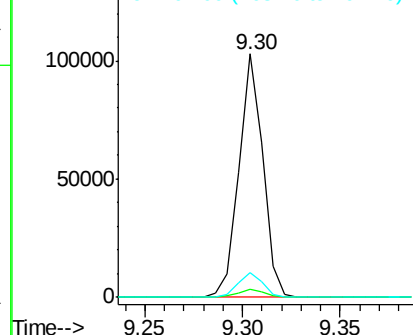
#49
Dimethylphthalate
Concen: 3.90 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093872.D
Acq: 23 Mar 2017 9:57

Instrument :
BNA_F
ClientSampleId :
JFC-SOIL-COMP

Tot Ion:163 Resp: 87778
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.9 8.4 12.6

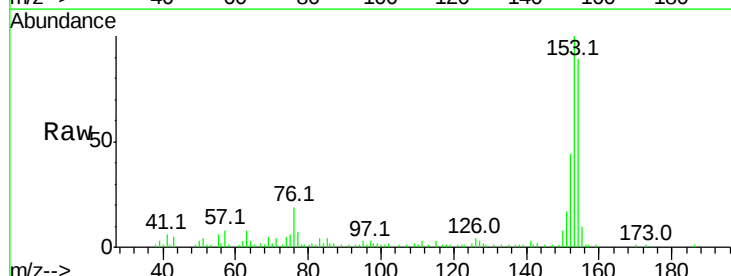


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

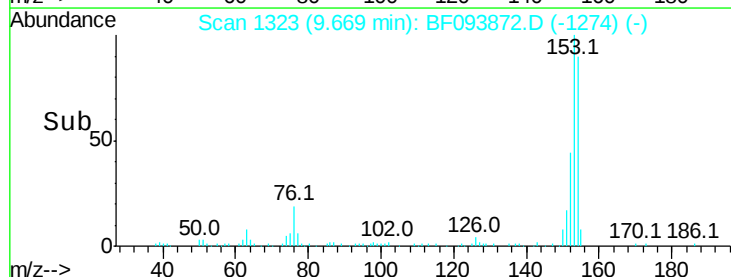
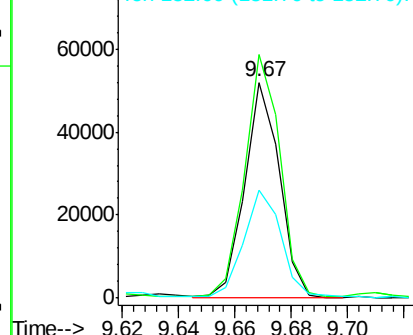


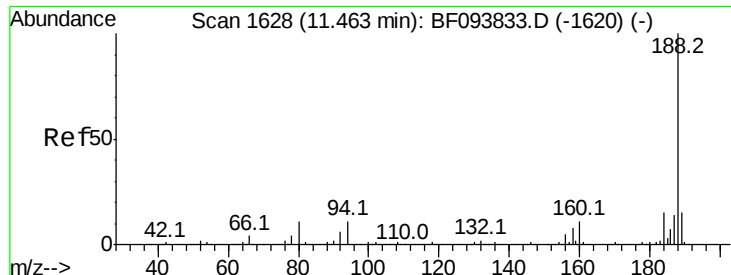
#51
Acenaphthene
Concen: 2.30 ng
RT: 9.67 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF093872.D
Acq: 23 Mar 2017 9:57

Tgt Ion:154 Resp: 44646
Ion Ratio Lower Upper
154 100
153 112.8 90.5 135.7
152 50.0 43.6 65.4



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

Instrument :

BNA_F

ClientSampleId :

JFC-SOIL-COMP

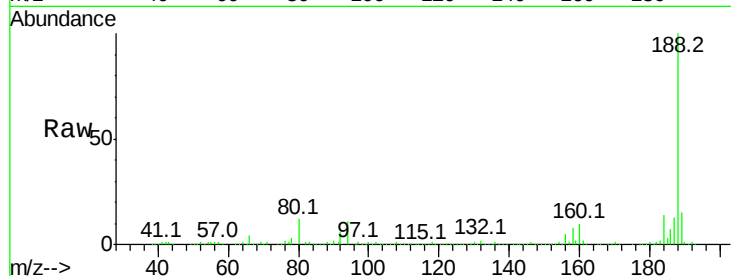
Tot Ion:188 Resp: 485697

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

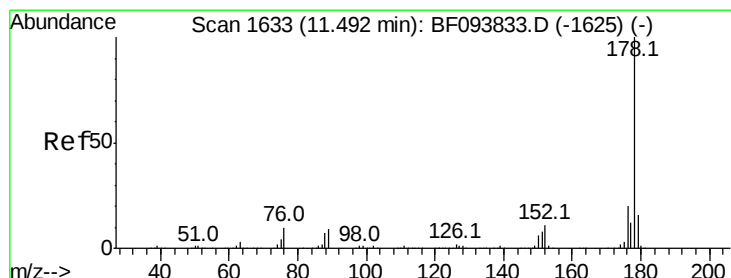
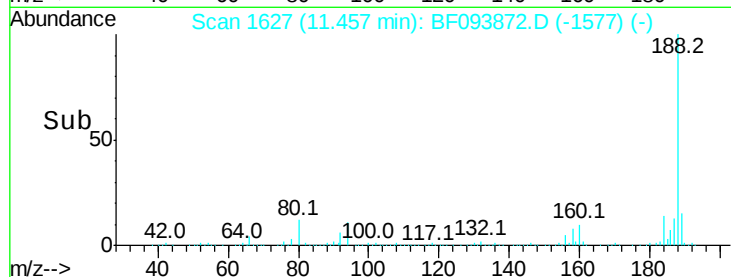
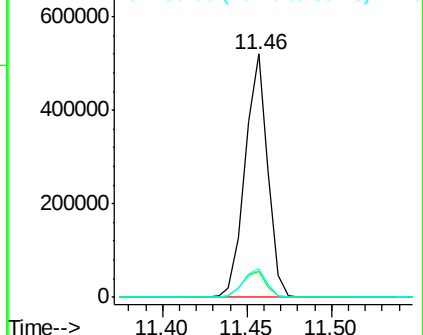
80 11.8 10.2 15.2



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



#70

Phenanthrene

Concen: 3.27 ng

RT: 11.48 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

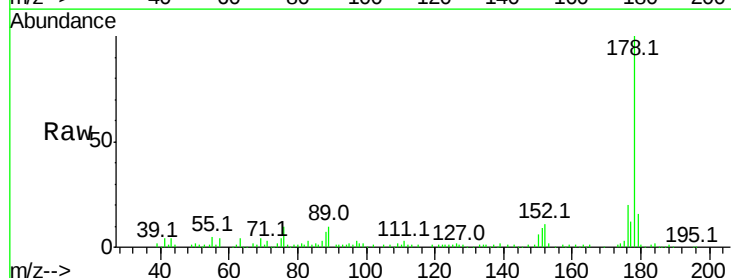
Tgt Ion:178 Resp: 88360

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

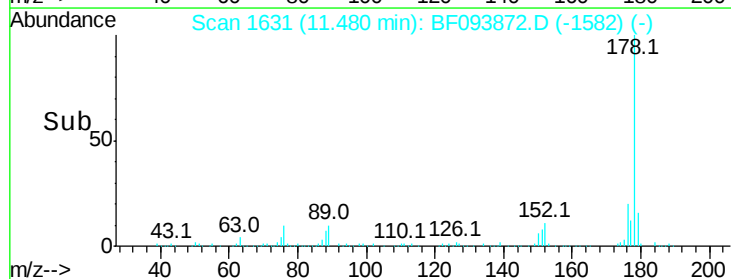
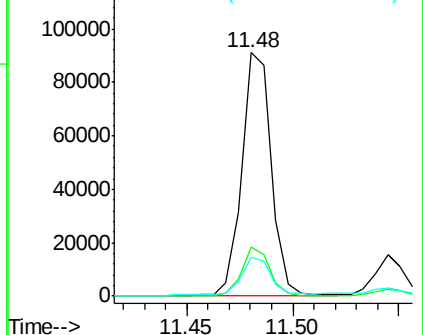
179 16.0 12.6 19.0

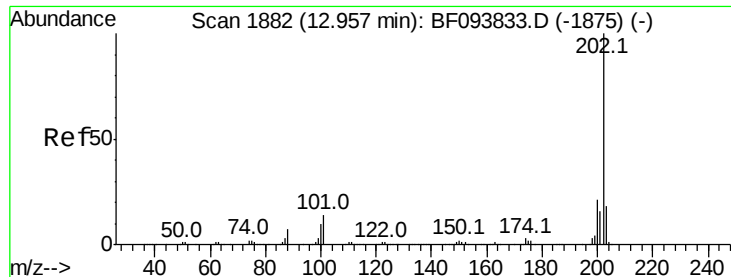


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.78 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

Instrument :

BNA_F

ClientSampleId :

JFC-SOIL-COMP

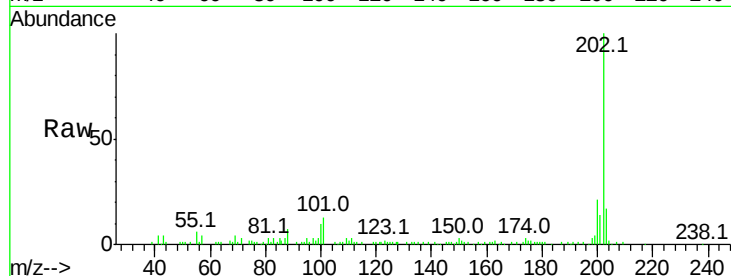
Tot Ion:202 Resp: 76915

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

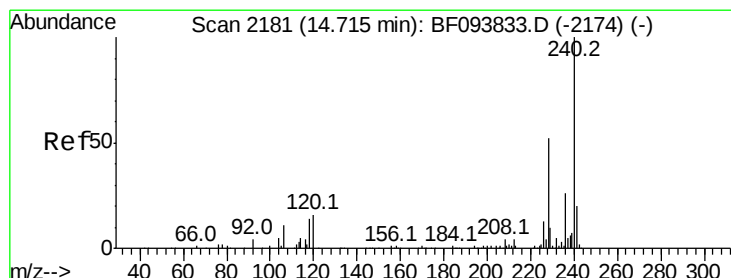
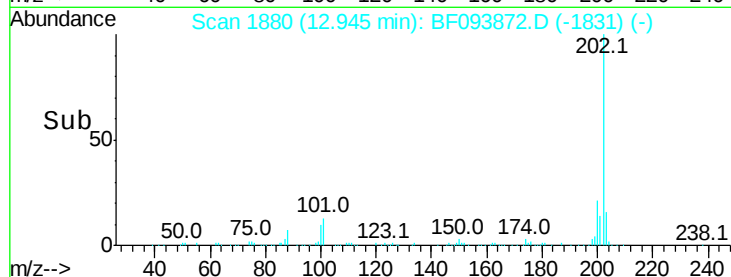
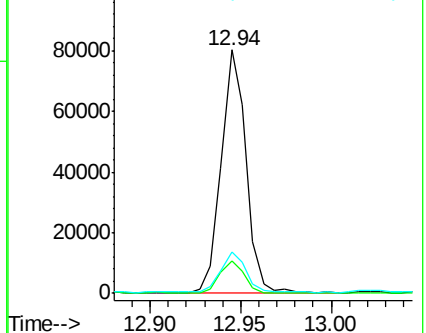
203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.70 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

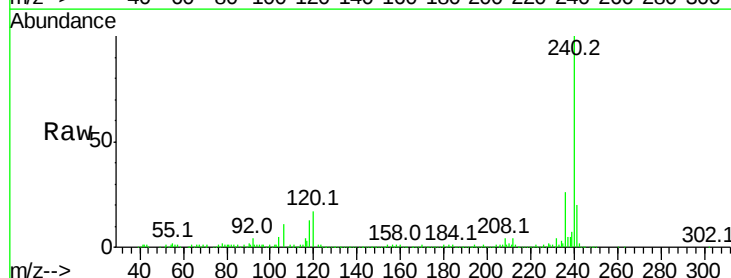
Tgt Ion:240 Resp: 326715

Ion Ratio Lower Upper

240 100

120 16.9 5.8 8.8#

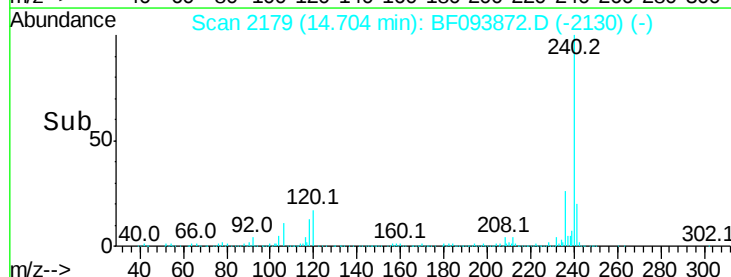
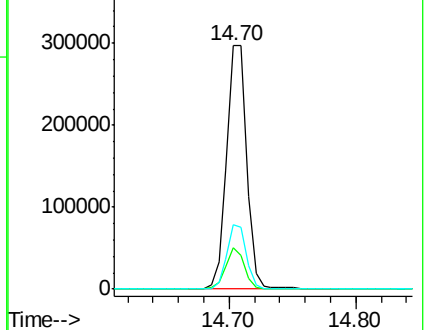
236 26.4 20.5 30.7

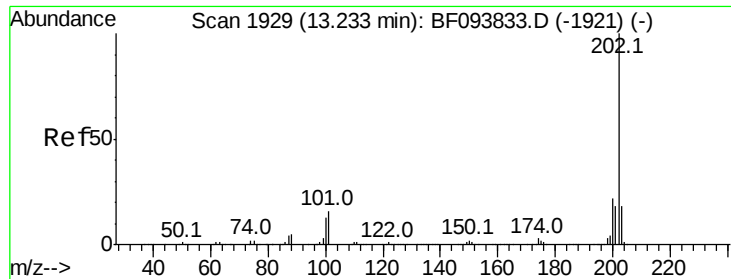


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

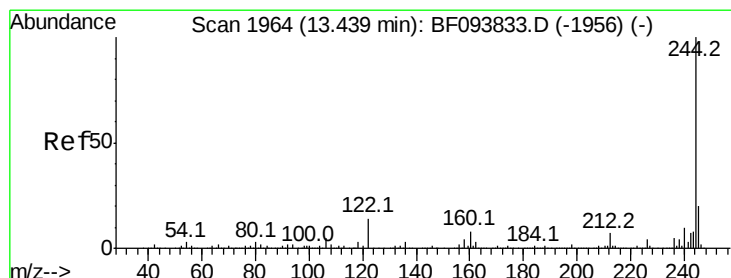
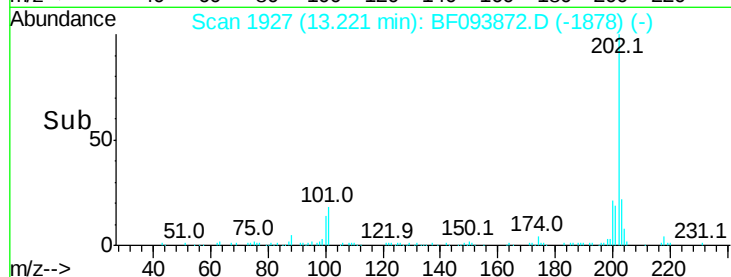
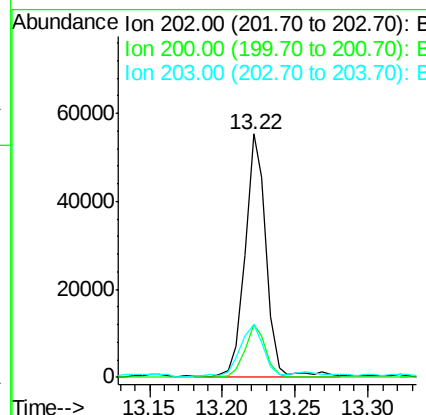
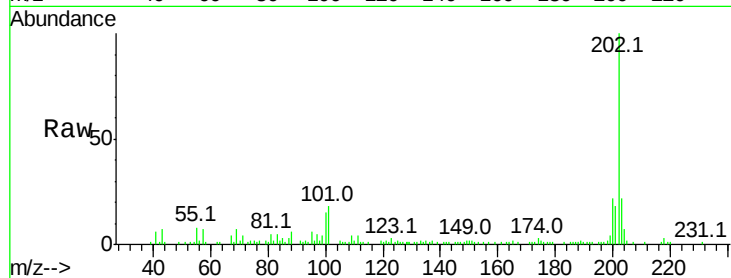




#77
Pvrene
Concen: 2.37 ng/ml
RT: 13.22 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BF093872.D
Acq: 23 Mar 2017 9:57

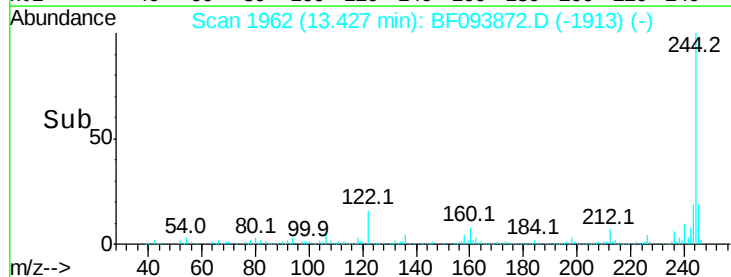
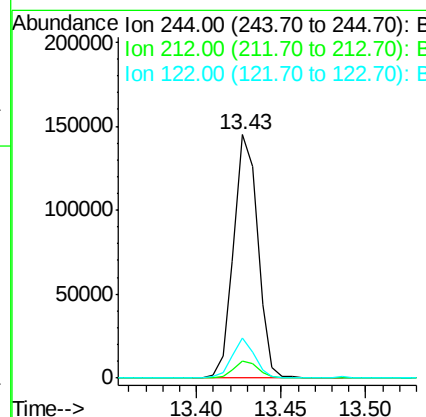
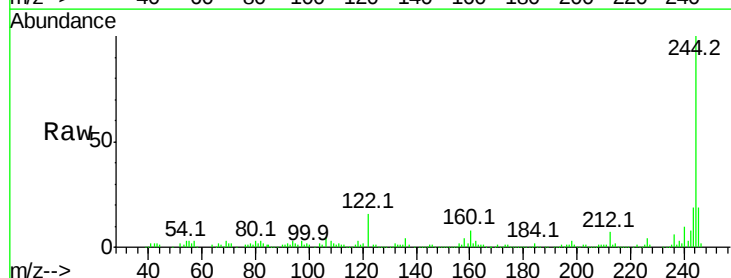
Instrument :
BNA_F
ClientSampleId :
JFC-SOIL-COMP

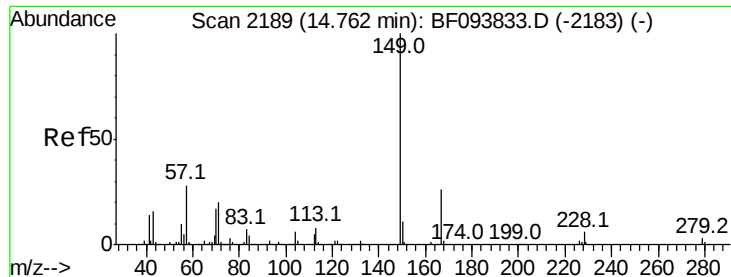
Tot Ion:202 Resp: 56309
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 22.0 14.4 21.6#



#78
Terphenyl-d14
Concen: 9.90 ng
RT: 13.43 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF093872.D
Acq: 23 Mar 2017 9:57

Tgt Ion:244 Resp: 144260
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 16.4 10.3 15.5#





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.90 ng

RT: 14.76 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

Instrument :

BNA_F

ClientSampleId :

JFC-SOIL-COMP

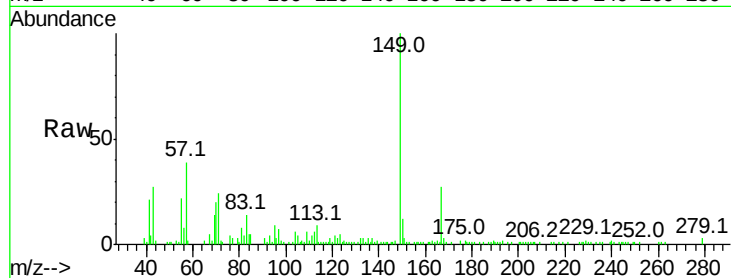
Tot Ion:149 Resp: 53725

Ion Ratio Lower Upper

149 100

167 26.6 21.0 31.4

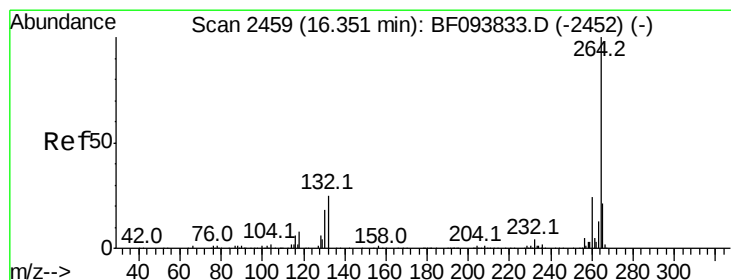
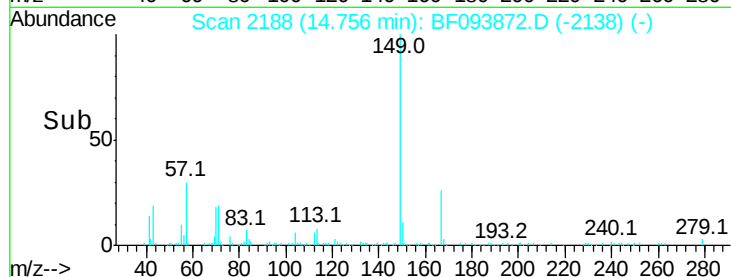
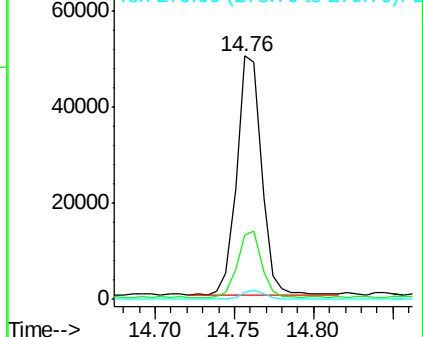
279 2.9 1.9 2.9



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.34 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BF093872.D

Acq: 23 Mar 2017 9:57

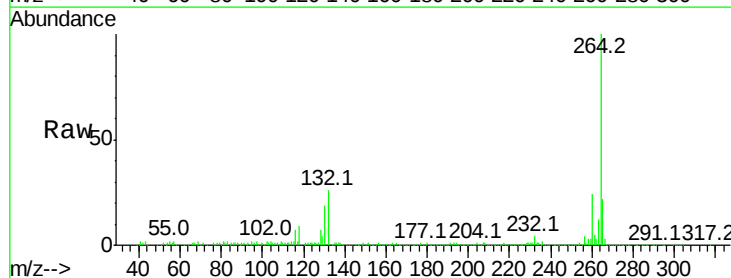
Tgt Ion:264 Resp: 302185

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

