

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094773.D
 Acq On : 2 May 2017 2:46
 Operator : SJ/MA
 Sample : I2923-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Quant Time: May 02 05:23:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

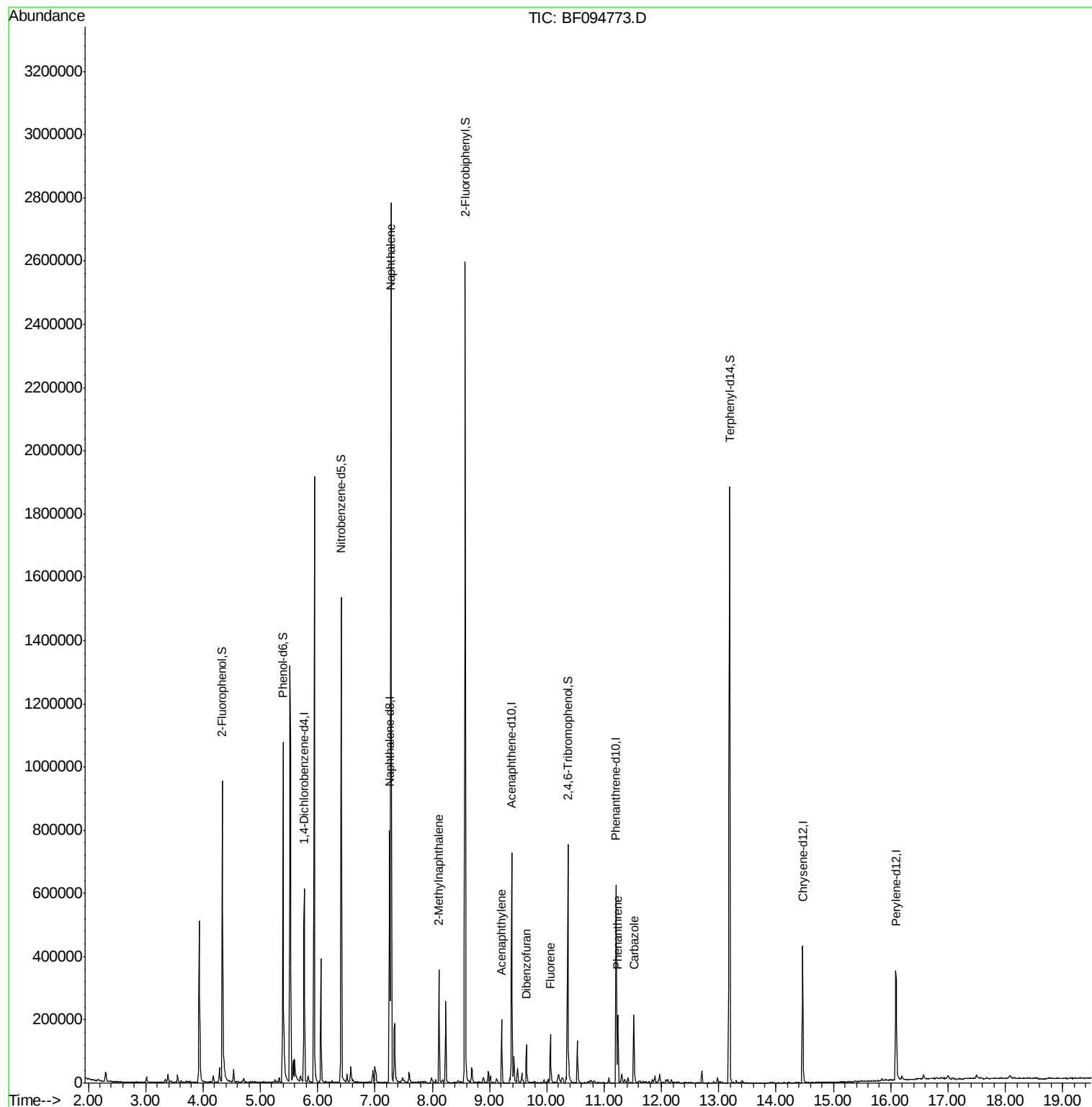
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	96359	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	382941	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	171677	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	256269	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	177998	20.00	ng	0.00
86) Perylene-d12	16.09	264	157112	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	339084	58.38	ng	0.03
7) Phenol-d6	5.40	99	436947	63.81	ng	0.00
23) Nitrobenzene-d5	6.41	82	520834	83.98	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	99758	74.29	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	972971	83.39	ng	0.00
78) Terphenyl-d14	13.19	244	691524	103.84	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.28	128	1292789	70.22	ng	100
37) 2-Methylnaphthalene	8.12	142	97813	7.77	ng	97
48) Acenaphthylene	9.21	152	95032	5.47	ng	97
54) Dibenzofuran	9.64	168	53121	3.51	ng	95
57) Fluorene	10.06	166	48846	4.14	ng	98
70) Phenanthrene	11.24	178	91819	6.36	ng	96
72) Carbazole	11.52	167	110394	7.88	ng	95

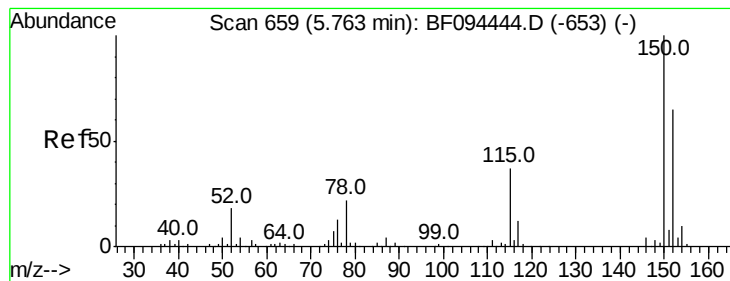
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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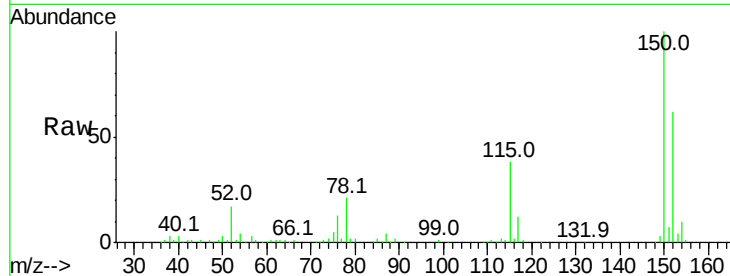


#1

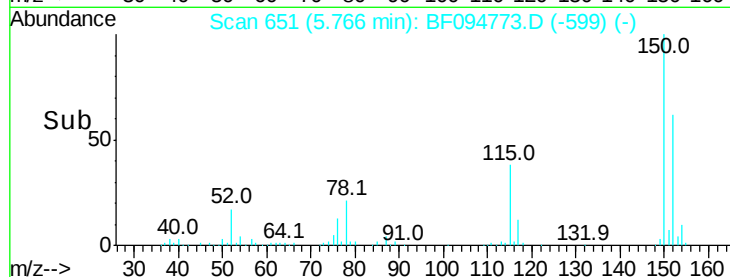
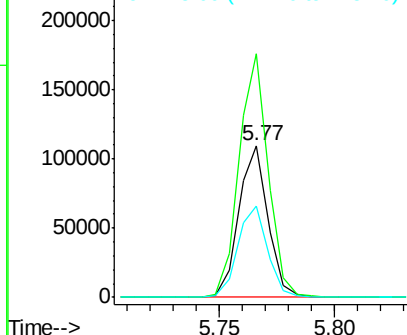
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tot Ion:152 Resp: 96359
Ion Ratio Lower Upper
152 100
150 160.6 126.2 189.2
115 60.5 52.2 78.2



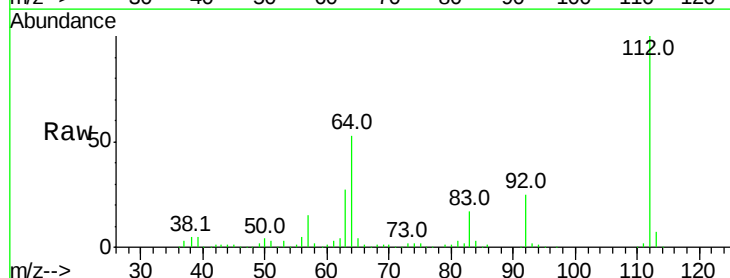
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



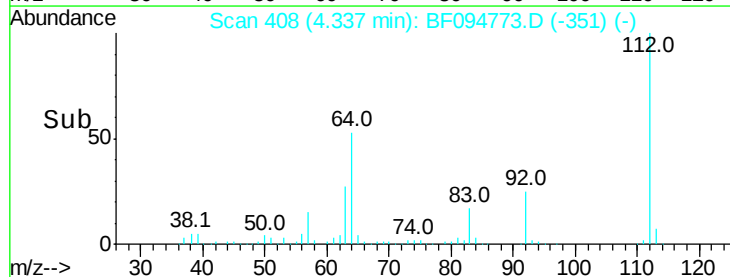
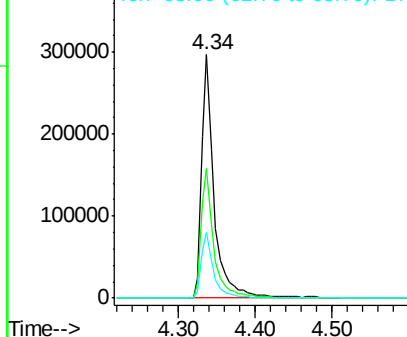
#5

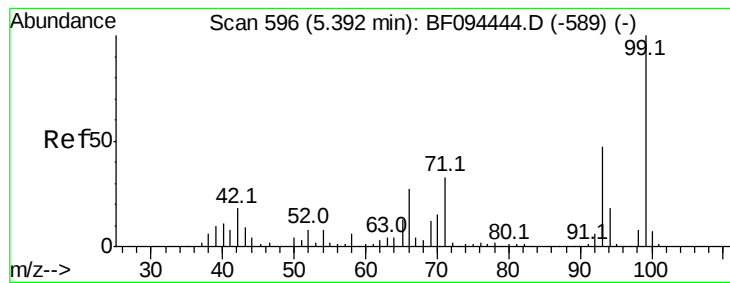
2-Fluorophenol
Concen: 58.38 ng
RT: 4.34 min Scan# 408
Delta R.T. 0.03 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Tgt Ion:112 Resp: 339084
Ion Ratio Lower Upper
112 100
64 53.4 46.0 69.0
63 27.0 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: 63.81 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Instrument :

BNA_F

ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

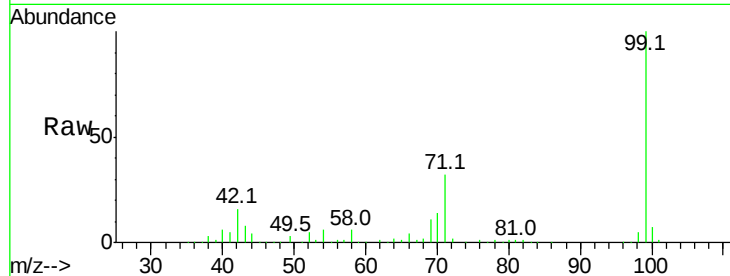
Tot Ion: 99 Resp: 436947

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	31.7	24.5	36.7

99 100

42 16.3 13.5 20.3

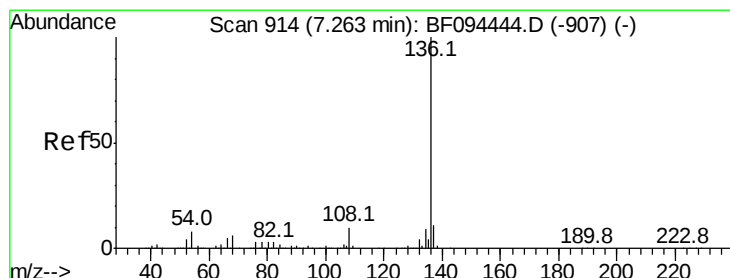
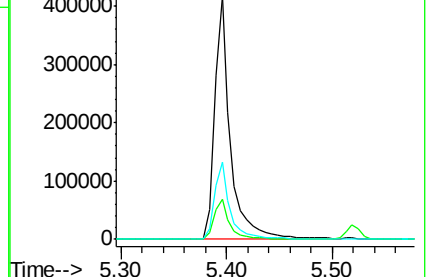
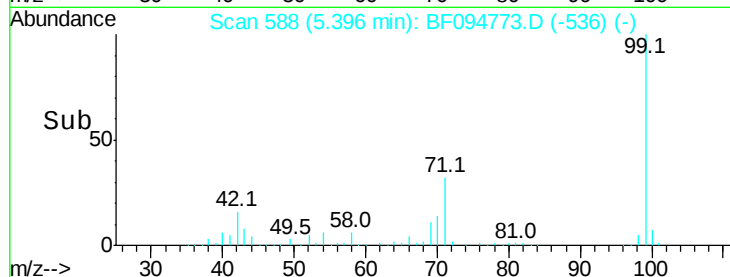
71 31.7 24.5 36.7



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: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Tgt Ion: 136 Resp: 382941

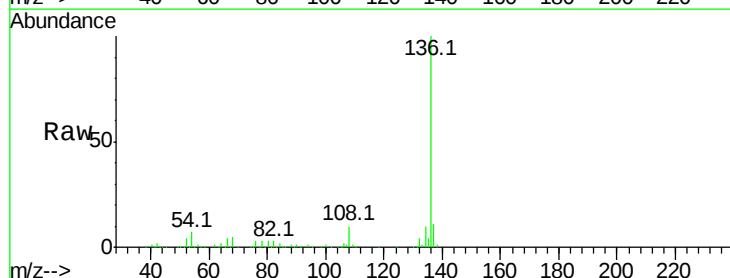
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	6.7	4.9	7.3
68	5.3	4.1	6.1

136 100

137 11.2 8.5 12.7

54 6.7 4.9 7.3

68 5.3 4.1 6.1

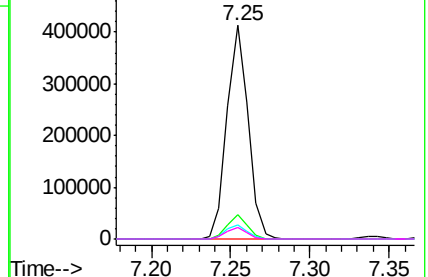
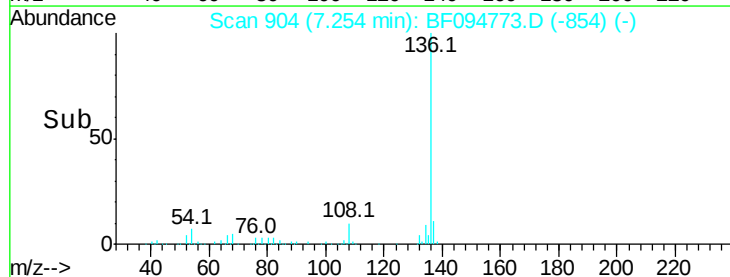


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.98 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Instrument :

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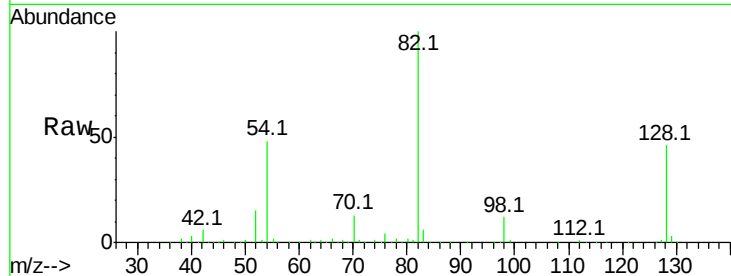
Tot Ion: 82 Resp: 520834

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

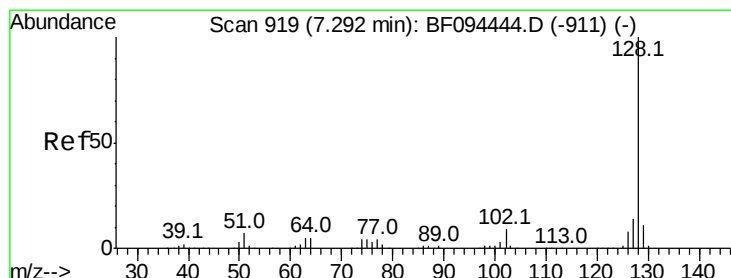
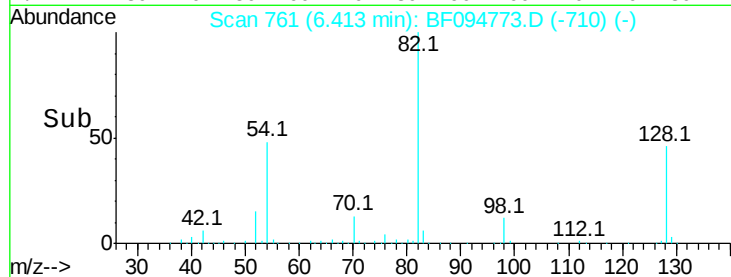
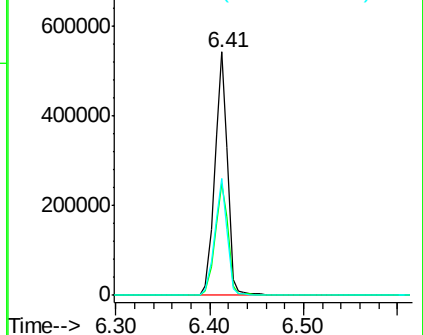
54 48.1 42.2 63.2



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: 70.22 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

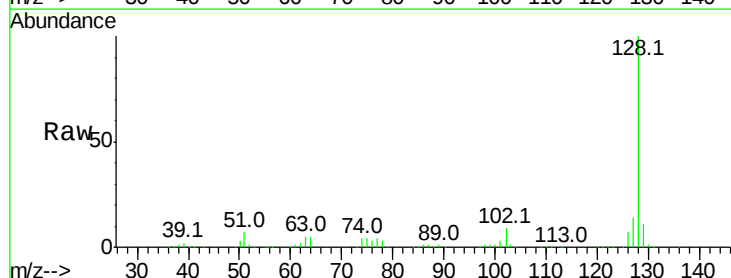
Tgt Ion:128 Resp: 1292789

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

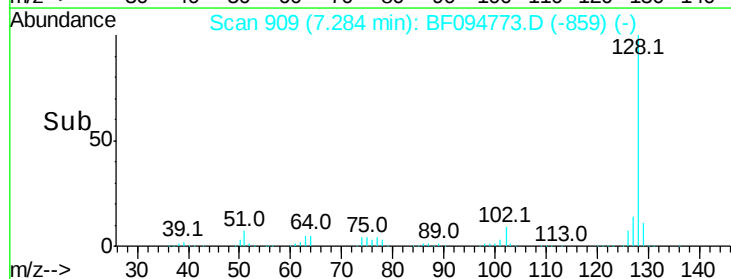
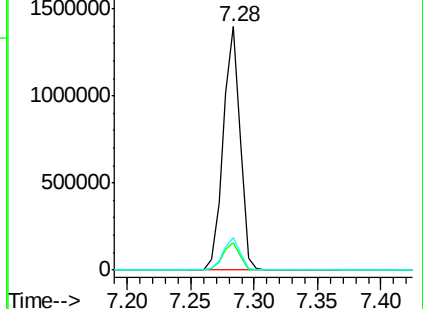
127 13.5 10.8 16.2

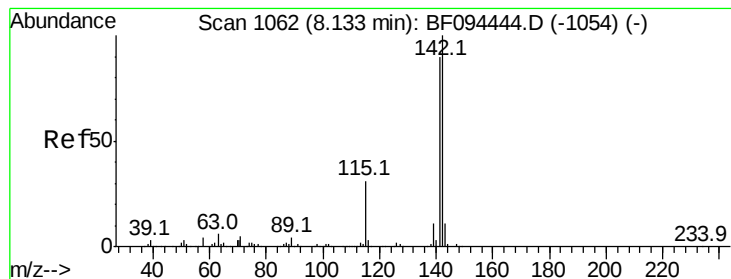


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 7.77 ng

RT: 8.12 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

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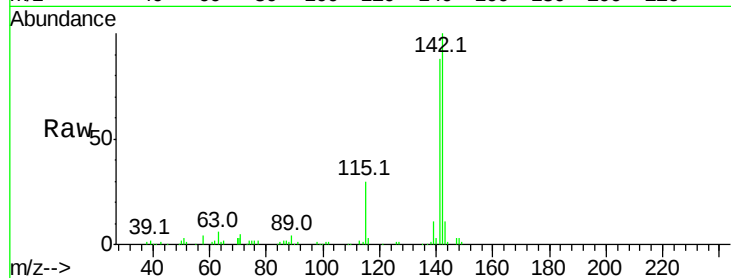
Tot Ion:142 Resp: 97813

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9

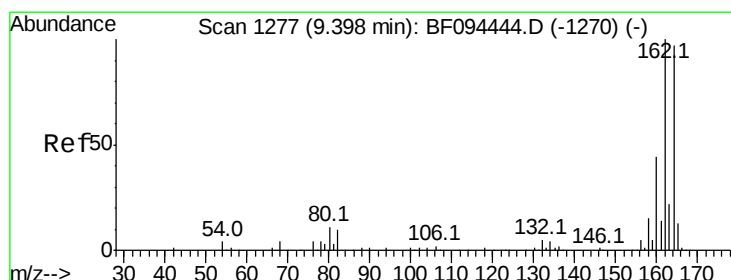
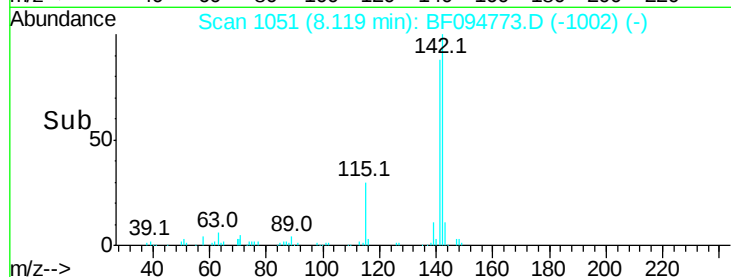
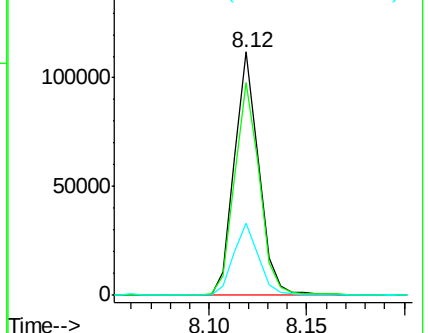
115 29.6 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

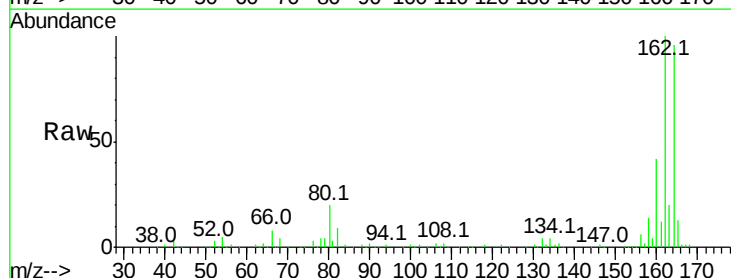
Tgt Ion:164 Resp: 171677

Ion Ratio Lower Upper

164 100

162 104.6 82.6 123.8

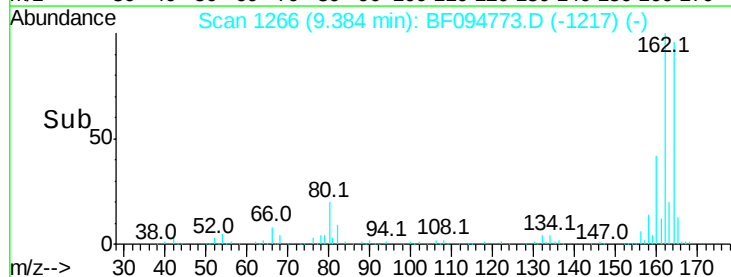
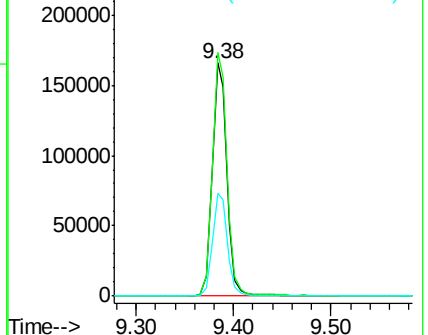
160 44.3 36.2 54.2



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

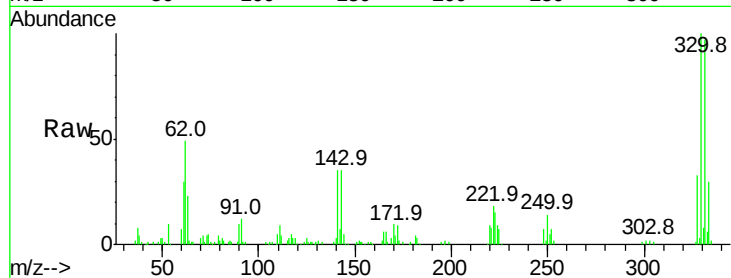




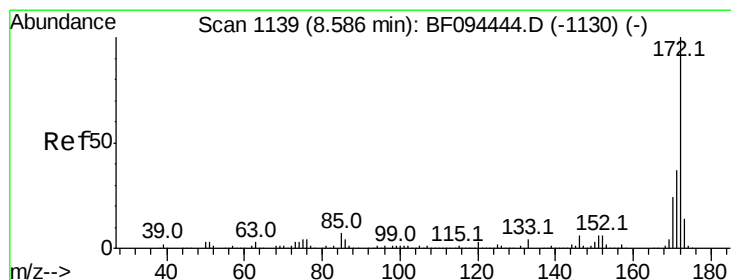
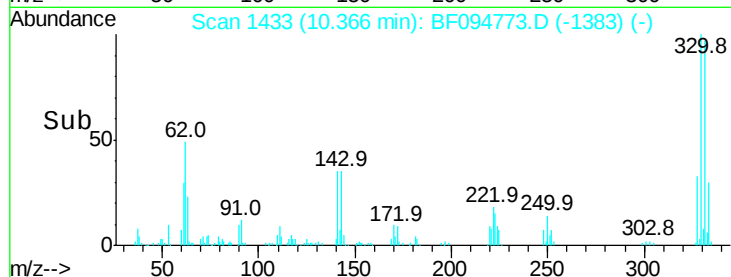
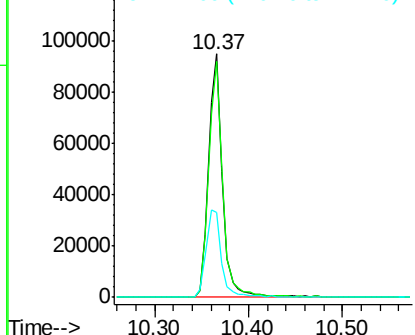
#41
 2,4,6-Tribromophenol
 Concen: 74.29 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

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Tot Ion:330 Resp: 99758
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 39.3 31.4 47.2

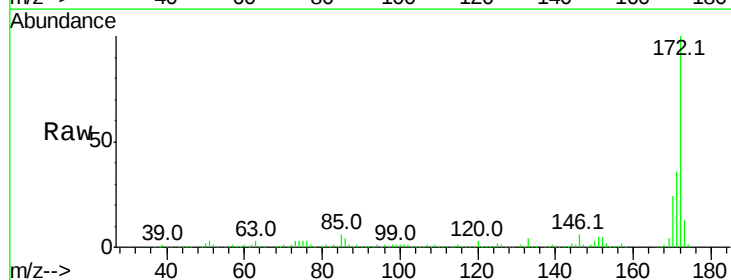


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

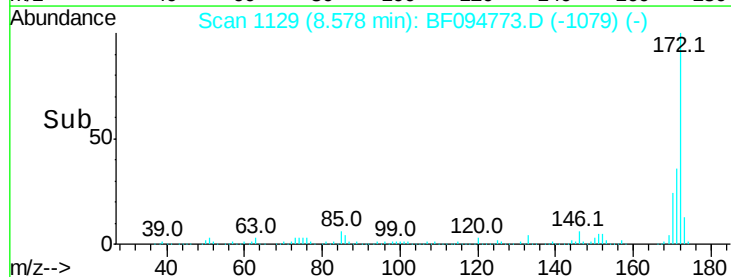
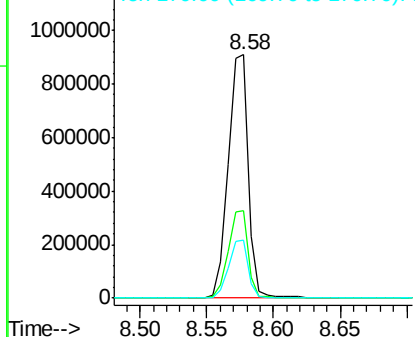


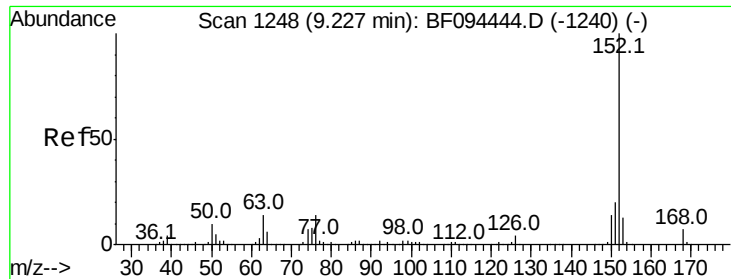
#44
 2-Fluorobiphenyl
 Concen: 83.39 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Tgt Ion:172 Resp: 972971
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.9 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





#48

Acenaphthylene

Concen: 5.47 ng

RT: 9.21 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Instrument :

BNA_F

ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

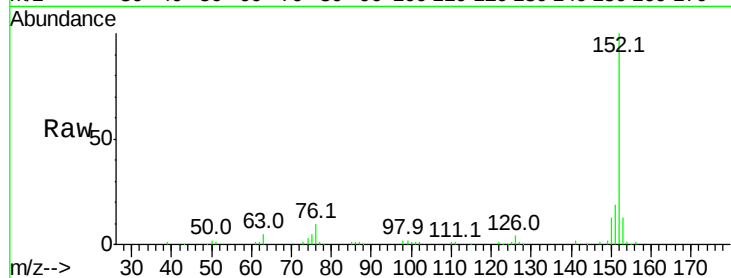
Tot Ion:152 Resp: 95032

Ion Ratio Lower Upper

152 100

151 19.3 16.8 25.2

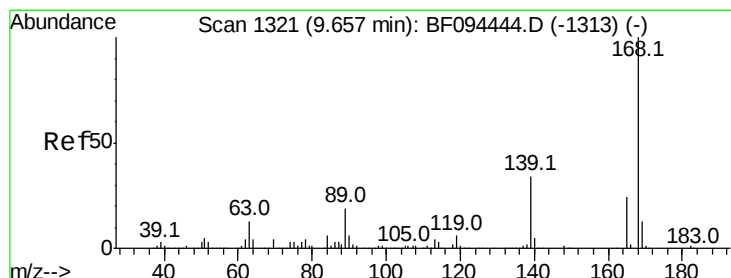
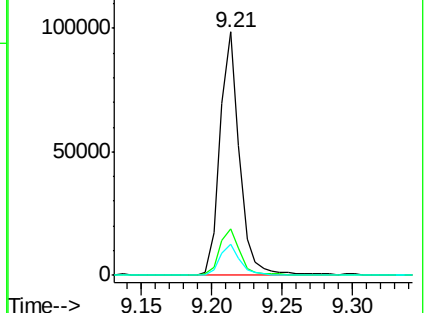
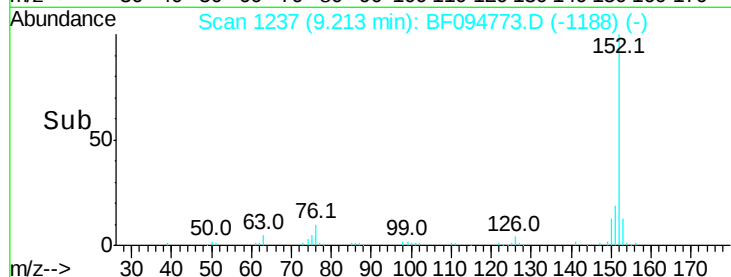
153 12.6 10.8 16.2



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



#54

Dibenzofuran

Concen: 3.51 ng

RT: 9.64 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

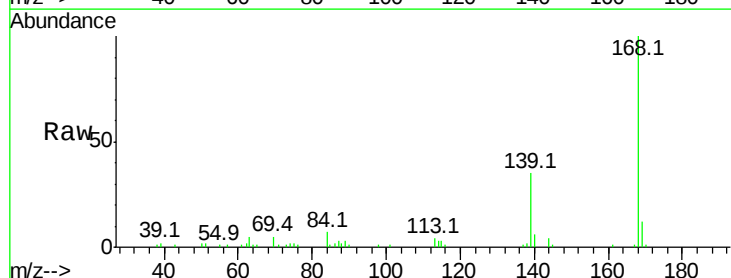
Tgt Ion:168 Resp: 53121

Ion Ratio Lower Upper

168 100

139 34.6 30.6 45.8

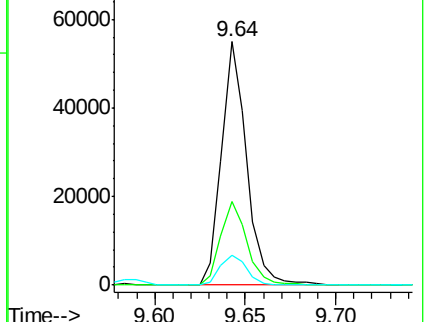
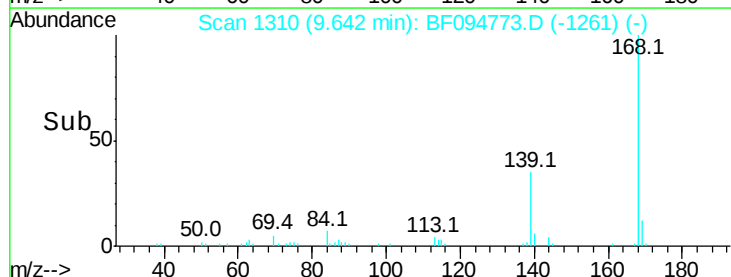
169 12.5 10.8 16.2

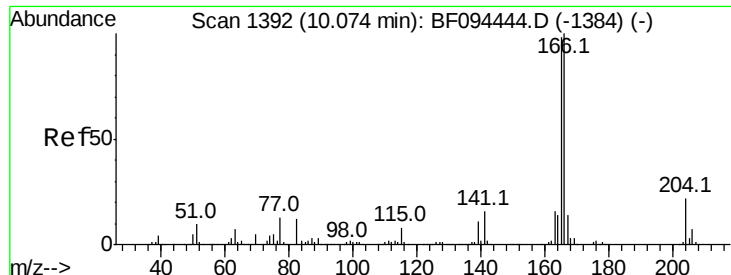


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

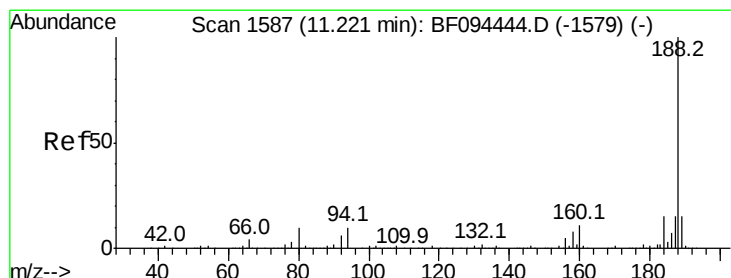
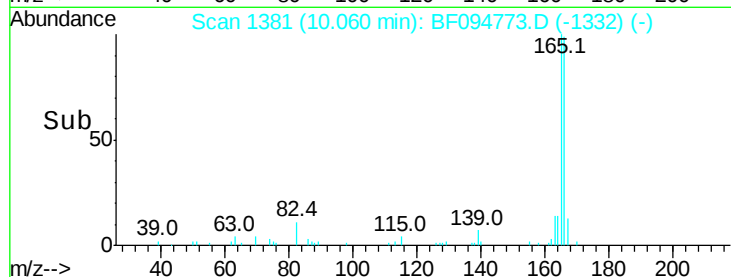
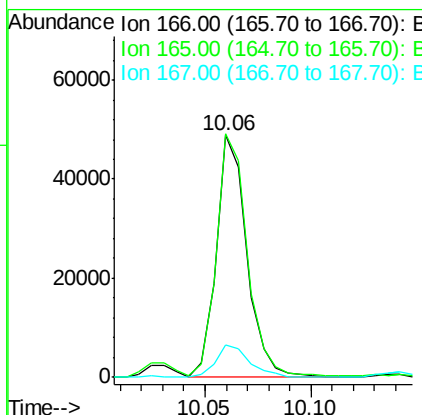
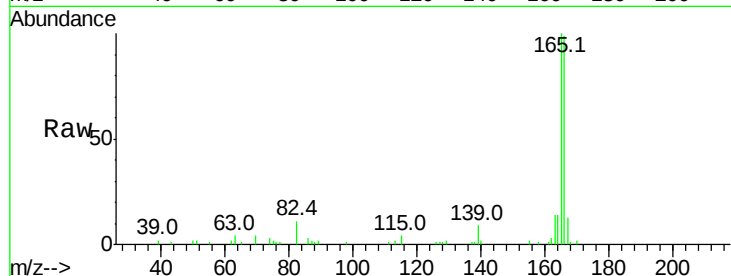




#57
Fluorene
 Concen: 4.14 ng
 RT: 10.06 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

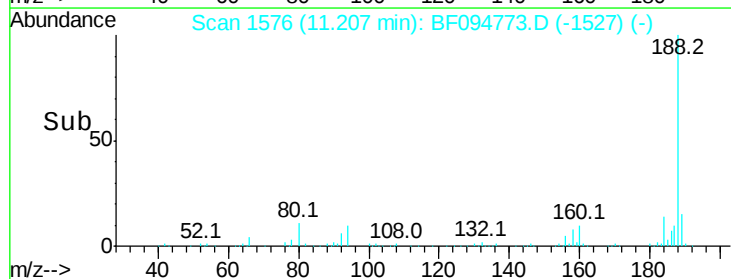
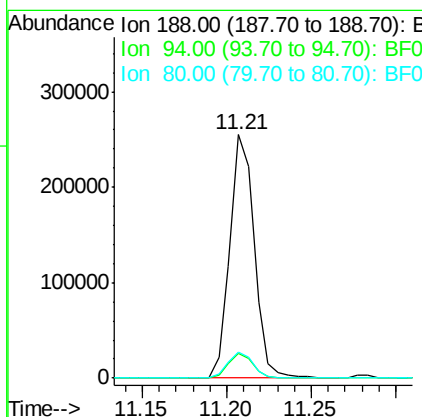
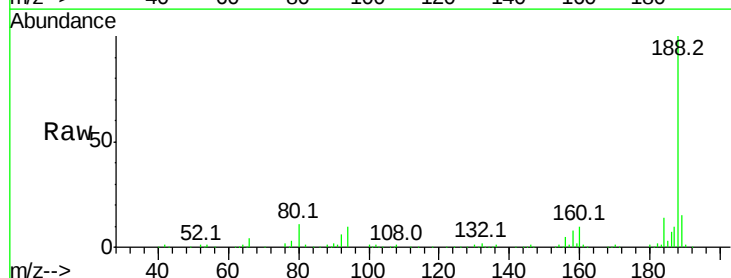
Instrument :
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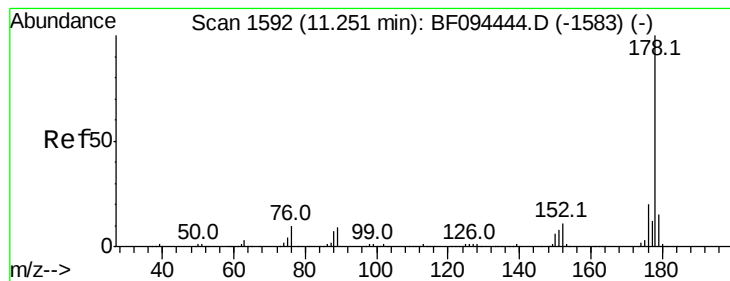
Tot Ion:166 Resp: 48846
 Ion Ratio Lower Upper
 166 100
 165 100.7 78.8 118.2
 167 13.2 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Tgt Ion:188 Resp: 256269
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 10.9 10.2 15.2

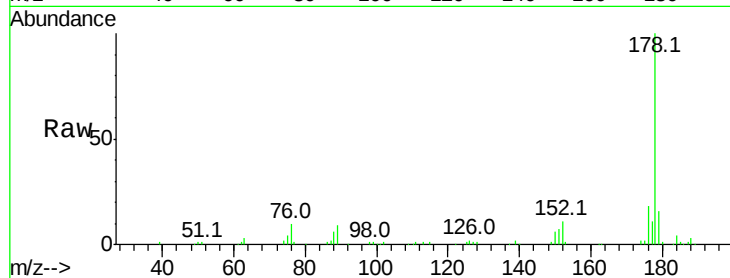




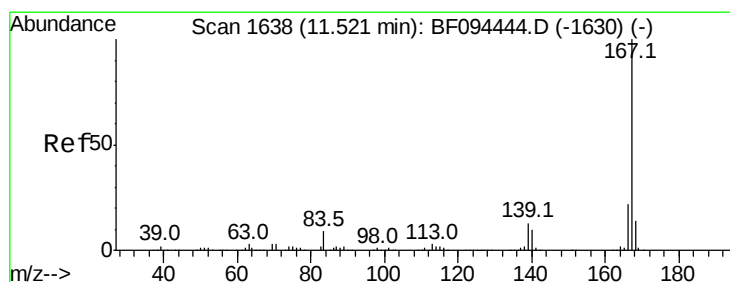
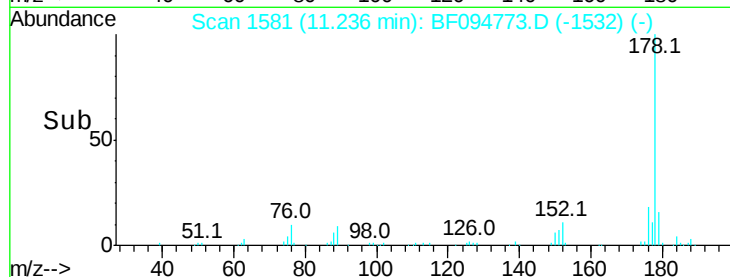
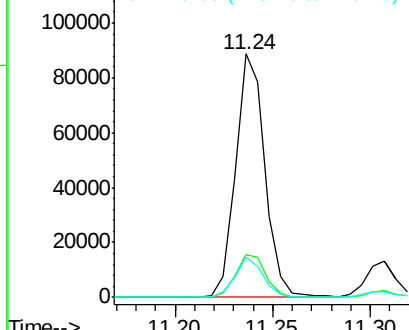
#70
 Phenanthrene
 Concen: 6.36 ng
 RT: 11.24 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Tot Ion:178 Resp: 91819
 Ion Ratio Lower Upper
 178 100
 176 17.6 16.2 24.4
 179 16.4 12.6 19.0

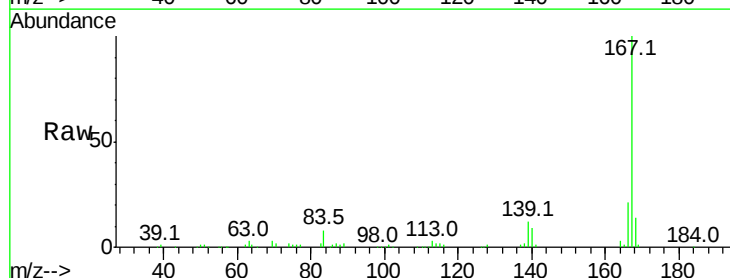


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

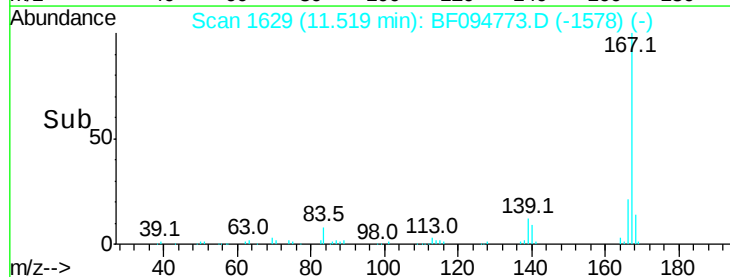
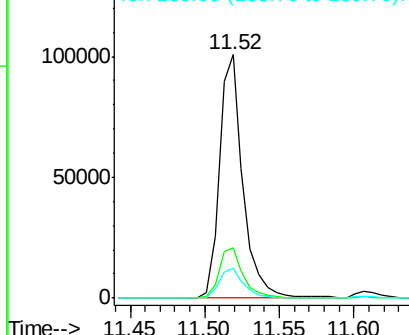


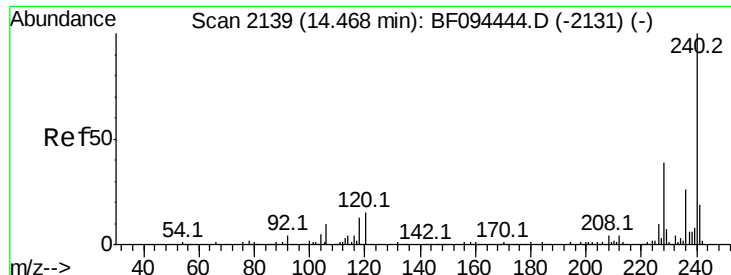
#72
 Carbazole
 Concen: 7.88 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Tgt Ion:167 Resp: 110394
 Ion Ratio Lower Upper
 167 100
 166 20.7 18.1 27.1
 139 12.2 11.7 17.5



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

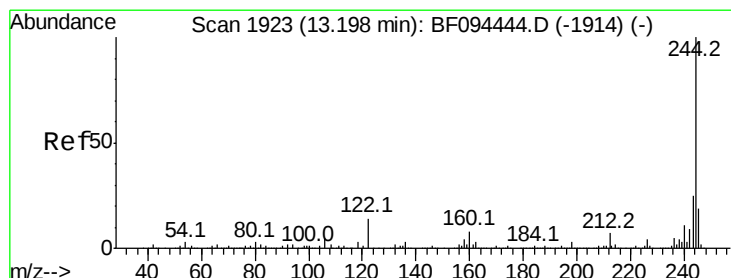
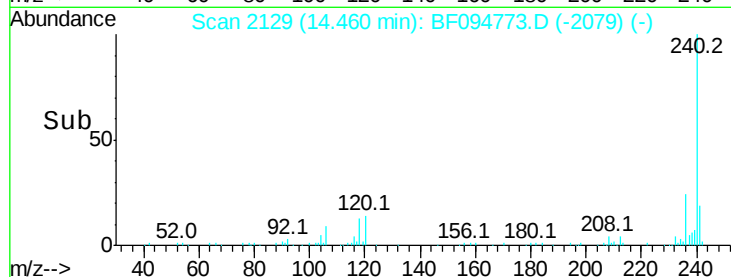
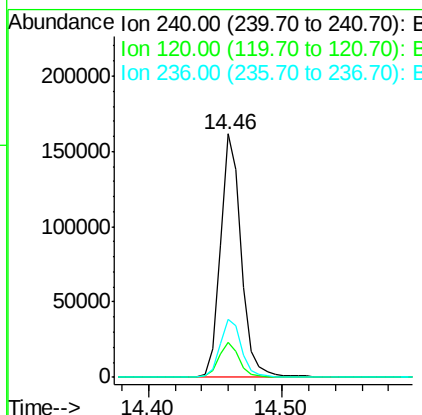
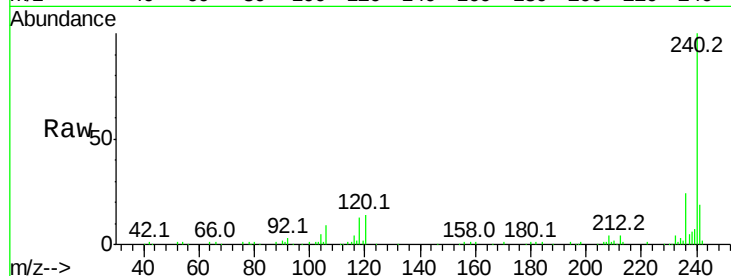




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.46 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

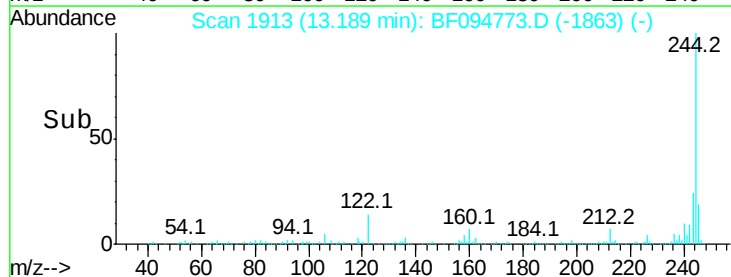
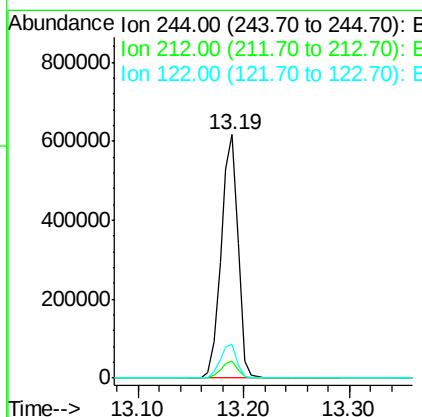
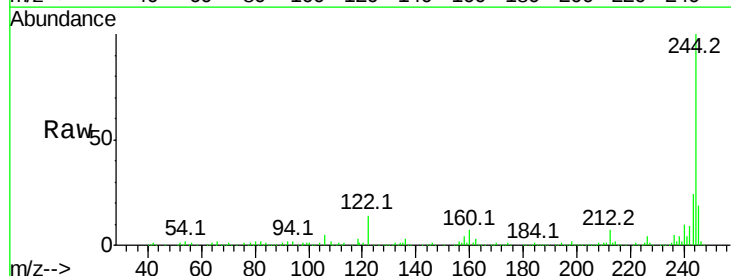
Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

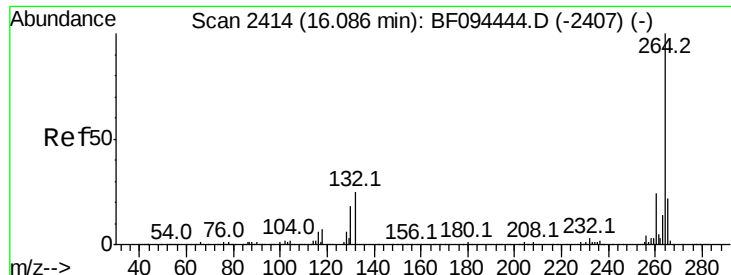
Tot Ion:240 Resp: 177998
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 23.7 20.5 30.7



#78
 Terphenyl-d14
 Concen: 103.84 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Tgt Ion:244 Resp: 691524
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.6 10.3 15.5

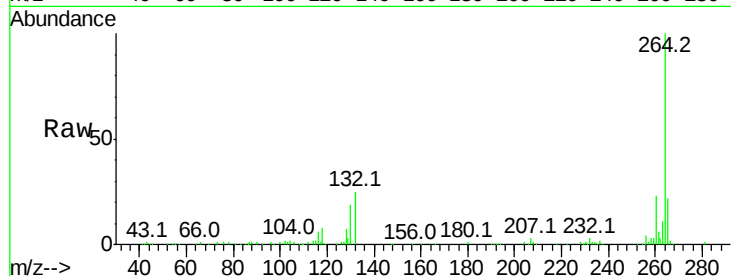




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tot Ion:264 Resp: 157112
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.1 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

