

Data File : BF109351.D
Acq On : 26 Sep 2018 21:40
Operator : JU/SJ
Sample : J5074-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CA-SOIL-1

Quant Time: Sep 27 05:40:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

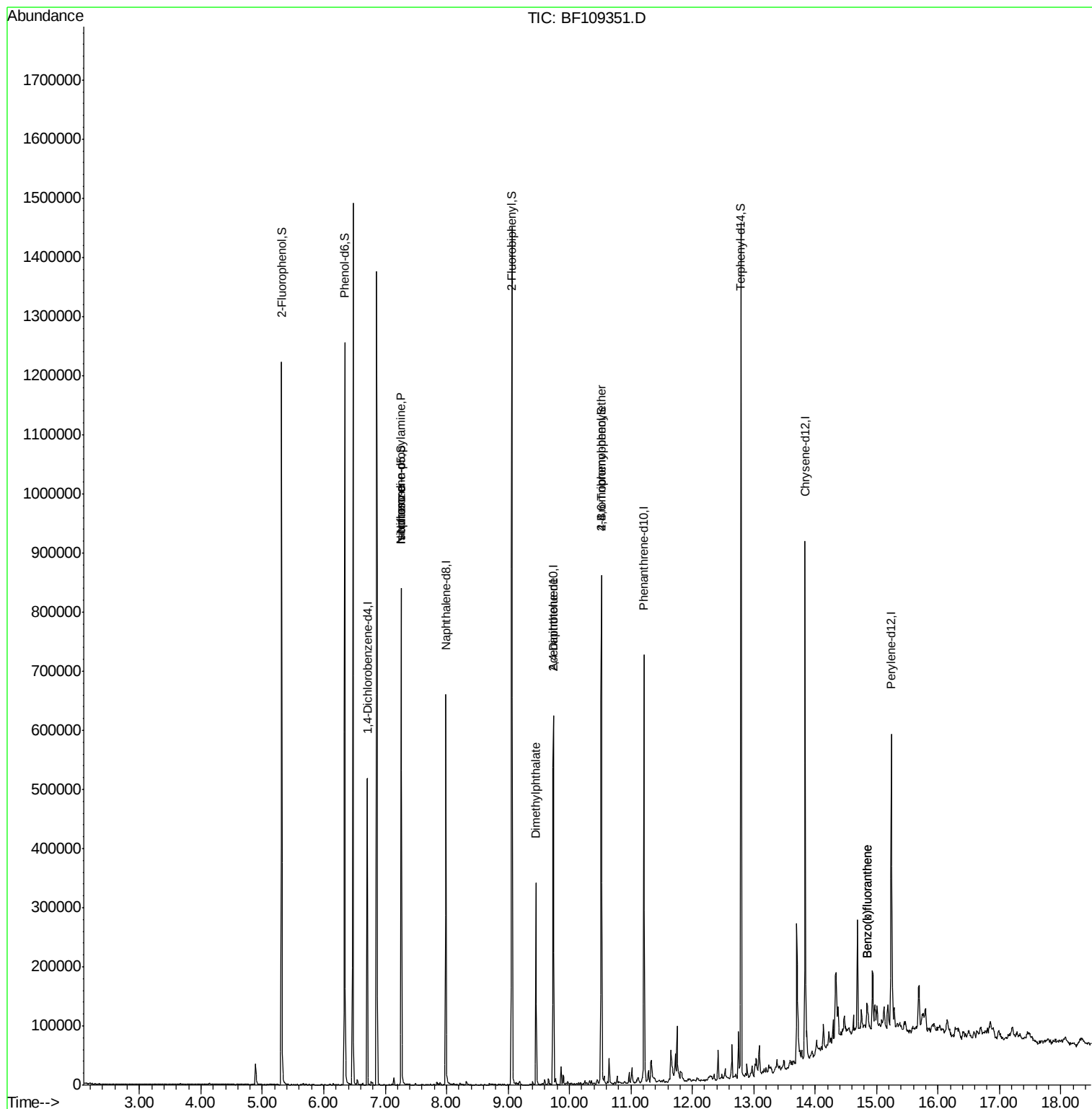
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	79869	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	283114	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	121543	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	243007	20.00	ng	0.00
75) Chrysene-d12	13.84	240	271823	20.00	ng	0.00
86) Perylene-d12	15.24	264	225352	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	337798	69.66	ng	0.00
7) Phenol-d6	6.34	99	414213	66.94	ng	-0.02
23) Nitrobenzene-d5	7.26	82	246314	51.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	98413	82.14	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	416396	51.67	ng	-0.01
78) Terphenyl-d14	12.79	244	473009	42.71	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	32791	8.088	ng	# 78
25) Isophorone	7.26	82	233169	26.999	ng	# 64
49) Dimethylphthalate	9.46	163	129349	14.632	ng	# 99
56) 2,4-Dinitrotoluene	9.74	165	14800	6.681	ng	# 24
66) 4-Bromophenyl-phenylether	10.52	248	6107	2.263	ng	# 1
87) Benzo(b)fluoranthene	14.84	252	30482	2.462	ng	# 90
88) Benzo(k)fluoranthene	14.84	252	30482	2.594	ng	# 93

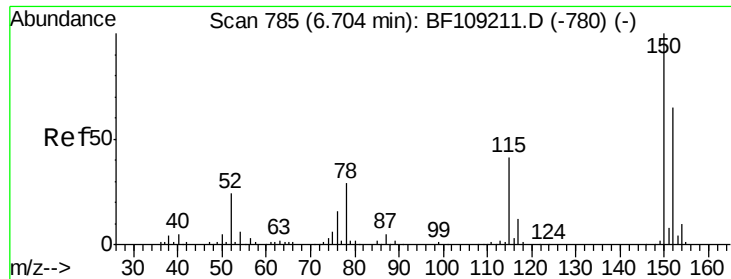
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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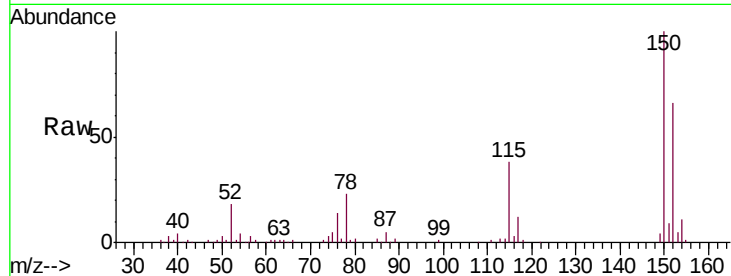




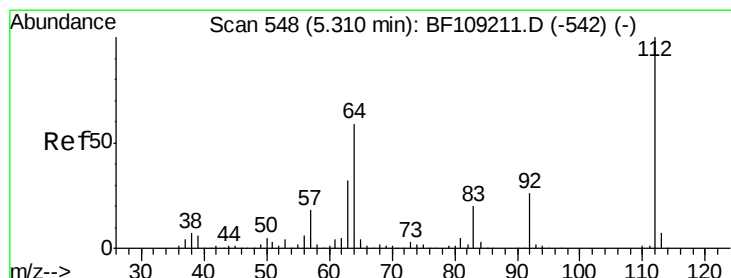
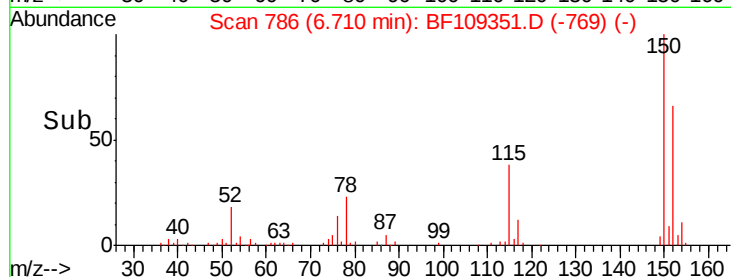
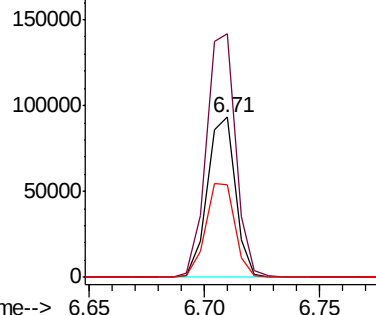
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109351.D
 Acq: 26 Sep 2018 21:40

Instrument :
 BNA_F
 ClientSampleId :
 CA-SOIL-1

Tgt Ion:152 Resp: 79869
 Ion Ratio Lower Upper
 152 100
 150 152.4 124.6 186.8
 115 57.6 50.1 75.1

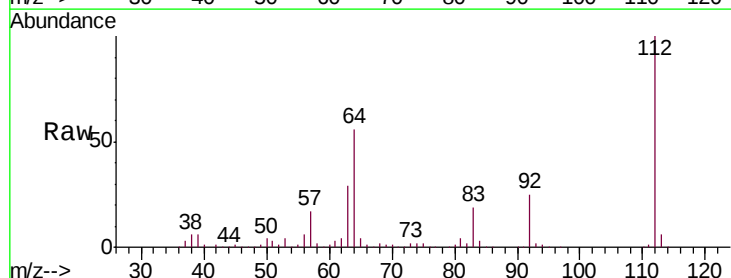


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

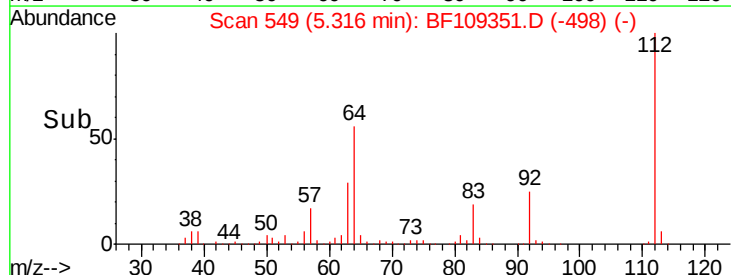
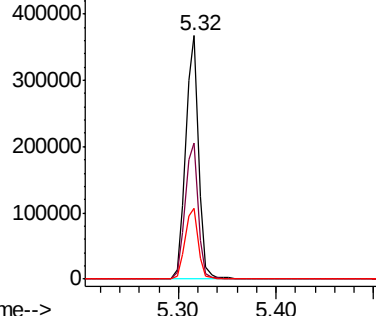


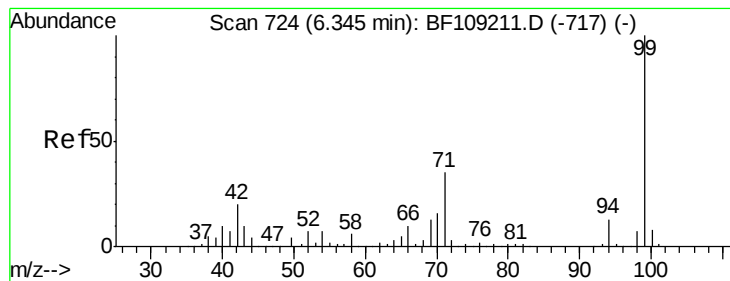
#5
 2-Fluorophenol
 Concen: 69.661 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF109351.D
 Acq: 26 Sep 2018 21:40

Tgt Ion:112 Resp: 337798
 Ion Ratio Lower Upper
 112 100
 64 55.7 47.9 71.9
 63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 66.942 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

Instrument :

BNA_F

ClientSampled :

CA-SOIL-1

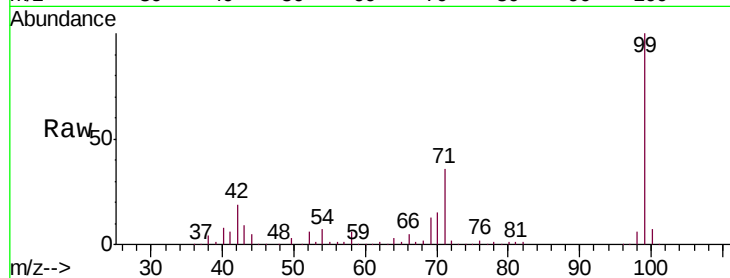
Tgt Ion: 99 Resp: 414213

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

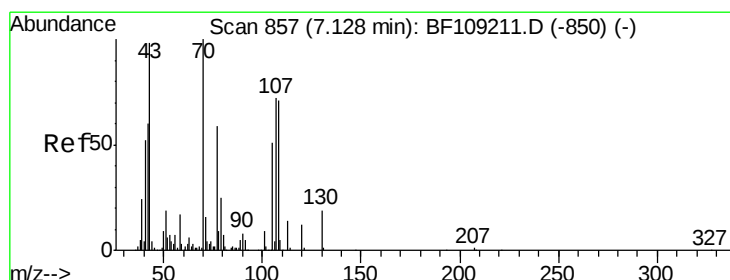
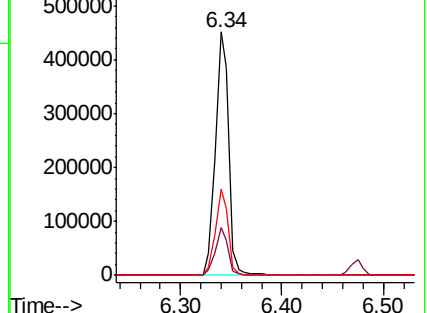
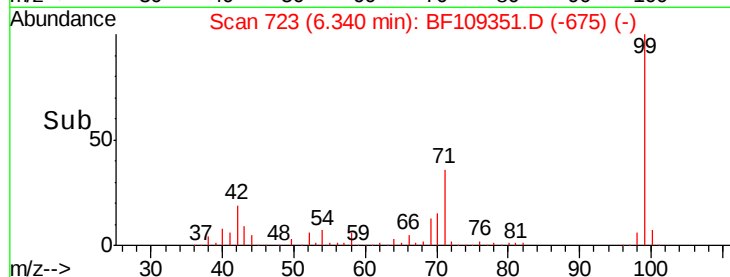
71 35.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 8.088 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

Tgt Ion: 70 Resp: 32791

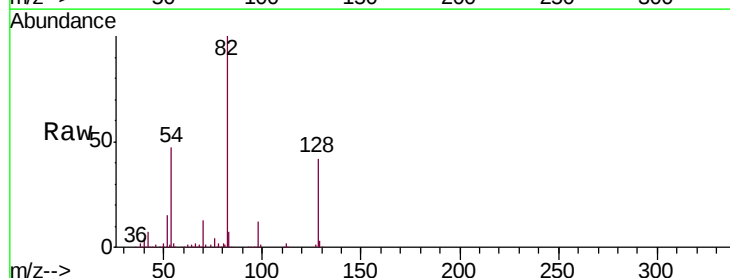
Ion Ratio Lower Upper

70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

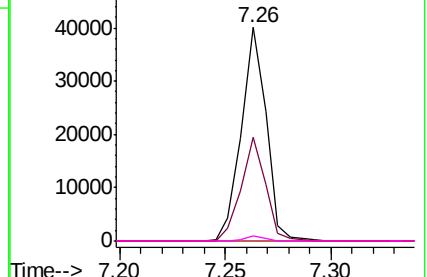
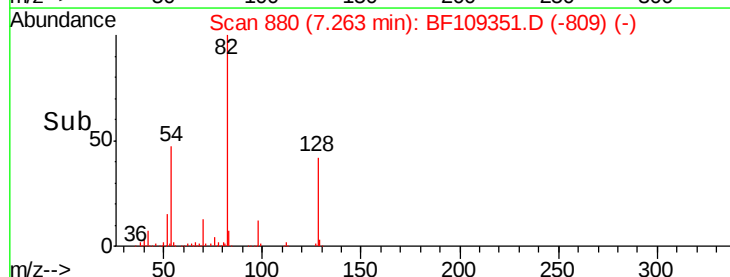


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

Instrument :

BNA_F

ClientSampleId :

CA-SOIL-1

Tgt Ion:136 Resp: 283114

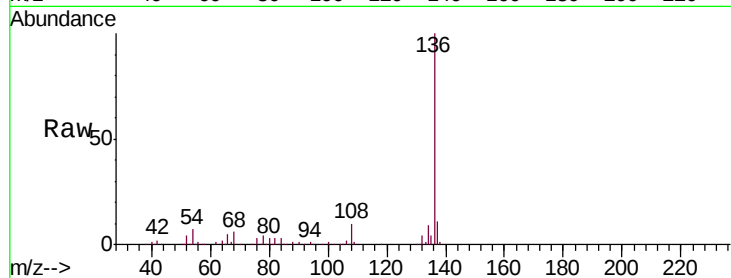
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.1 6.6 9.8

68 5.6 5.0 7.4

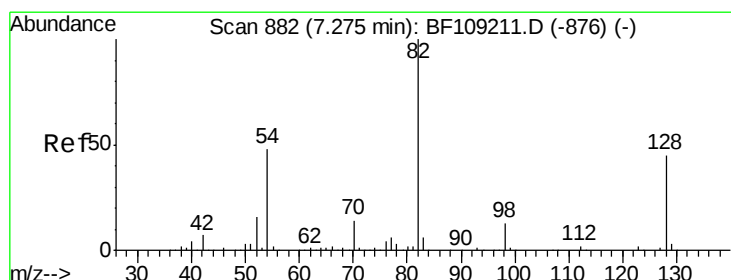
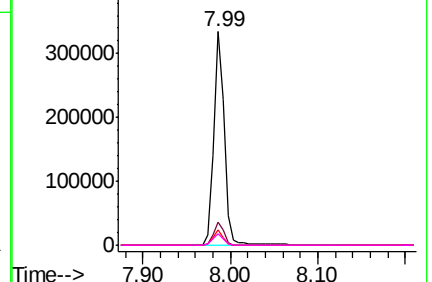
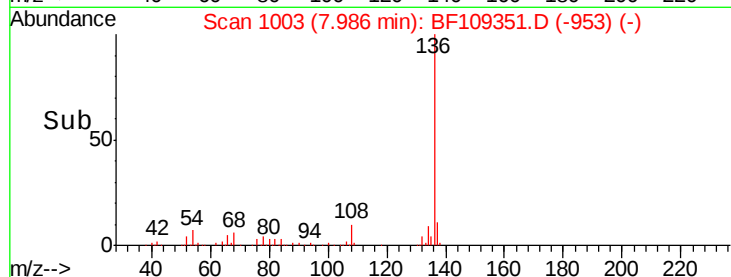


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 51.358 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

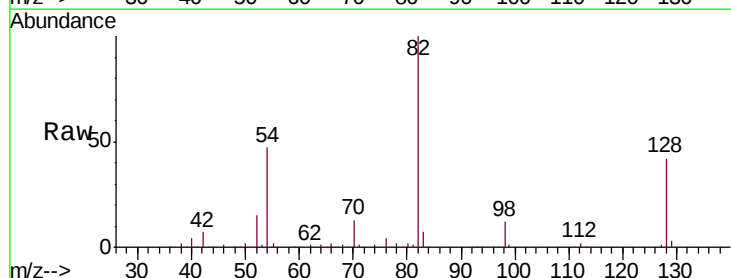
Tgt Ion: 82 Resp: 246314

Ion Ratio Lower Upper

82 100

128 42.0 36.1 54.1

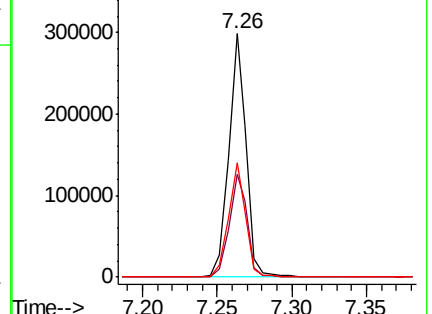
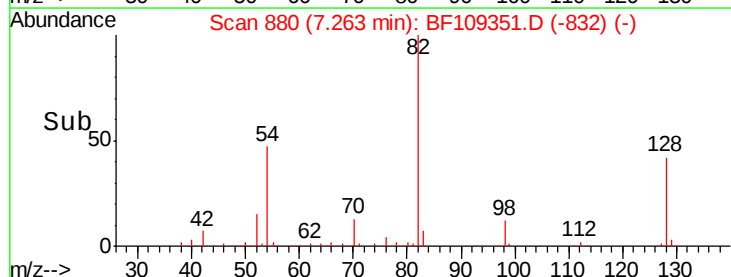
54 46.7 41.4 62.2

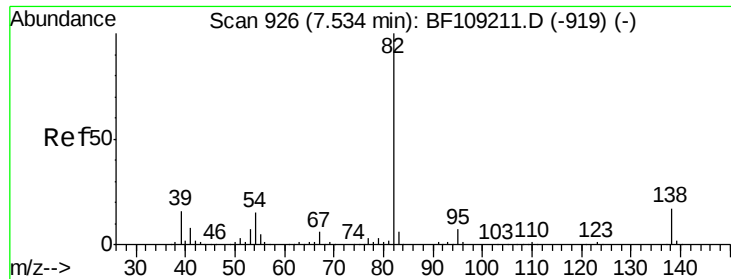


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.999 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

Instrument :

BNA_F

ClientSampleId :

CA-SOIL-1

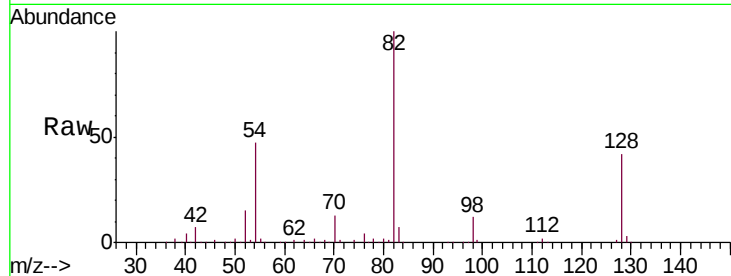
Tgt Ion: 82 Resp: 233169

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

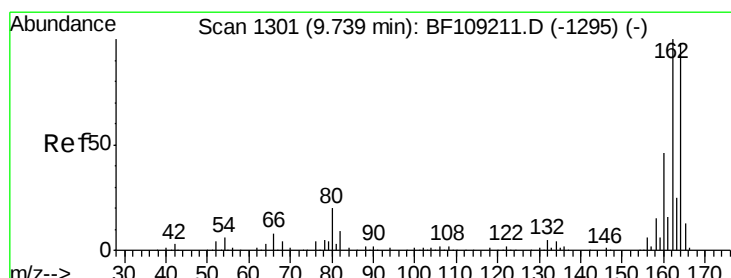
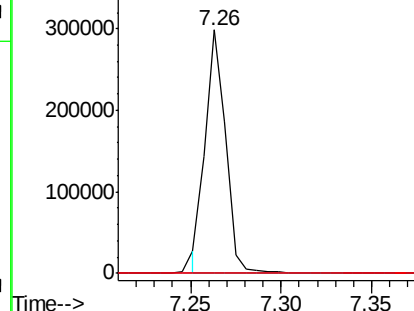
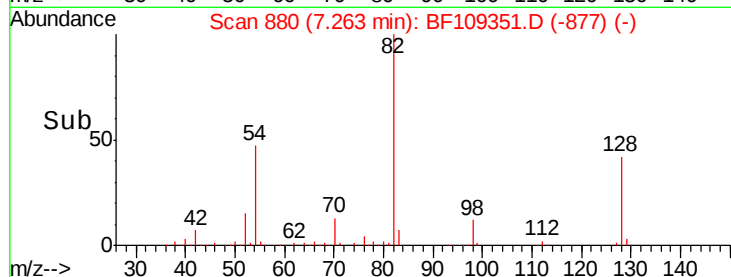
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

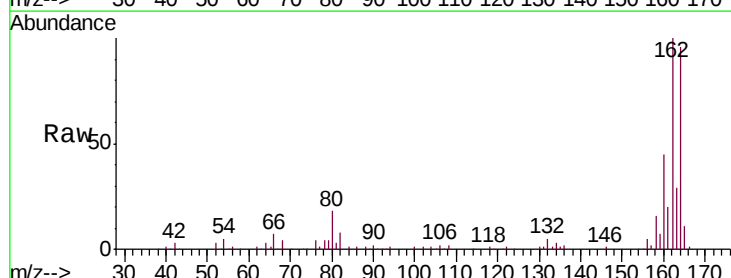
Tgt Ion: 164 Resp: 121543

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

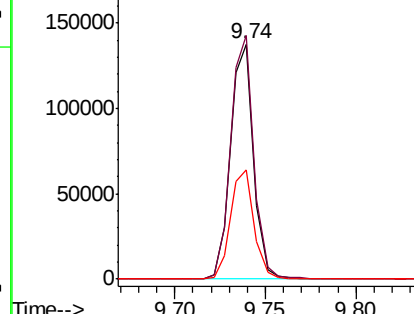
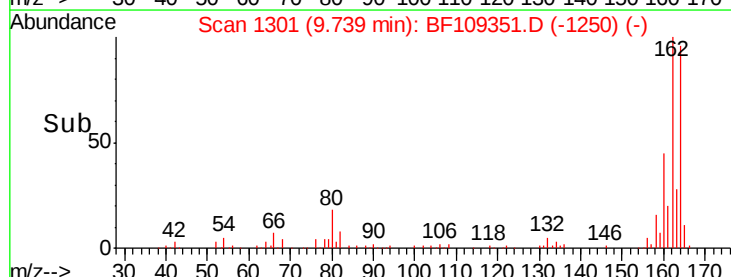
160 46.5 38.3 57.5

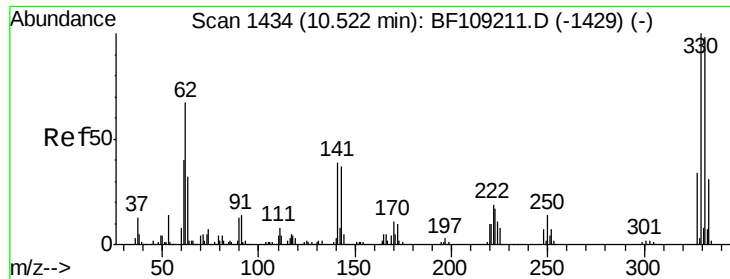


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

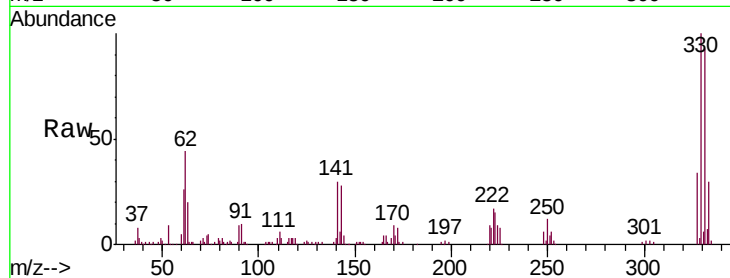




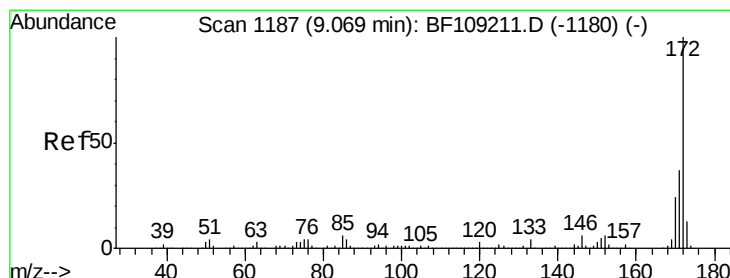
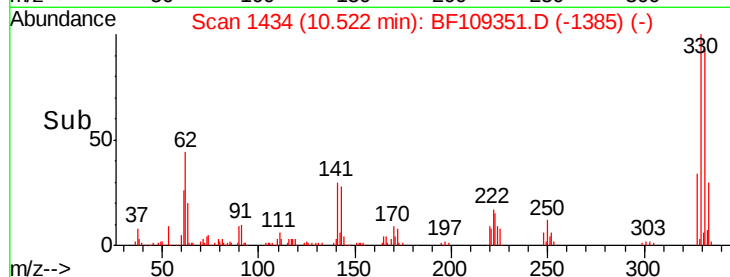
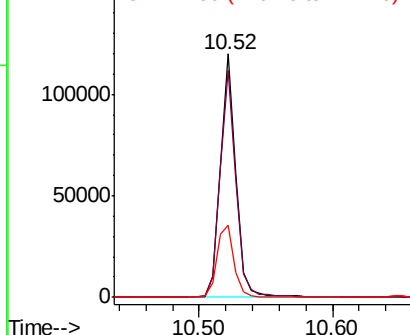
#41
 2,4,6-Tribromophenol
 Concen: 82.137 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109351.D
 Acq: 26 Sep 2018 21:40

Instrument :
 BNA_F
 ClientSampleId :
 CA-SOIL-1

Tgt Ion:330 Resp: 98413
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 32.9 29.9 44.9

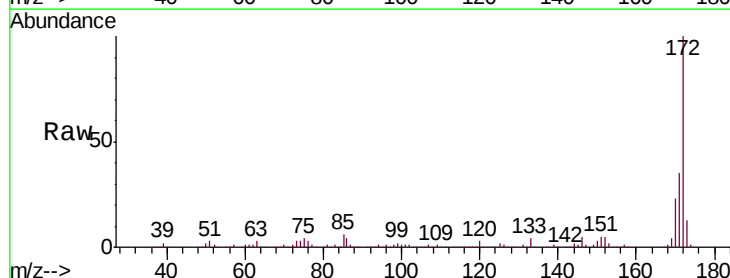


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

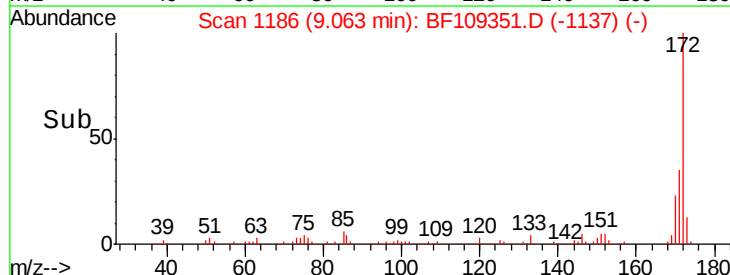
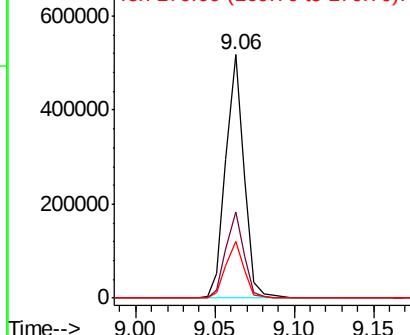


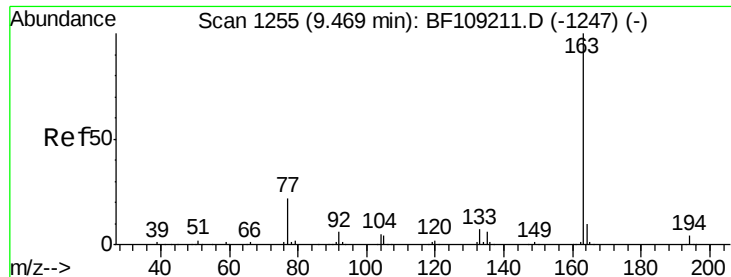
#44
 2-Fluorobiphenyl
 Concen: 51.669 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109351.D
 Acq: 26 Sep 2018 21:40

Tgt Ion:172 Resp: 416396
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.2 19.6 29.4



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

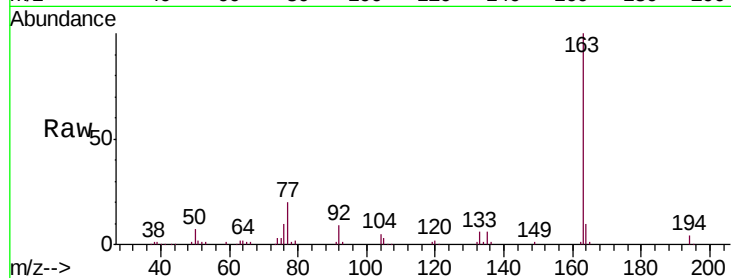




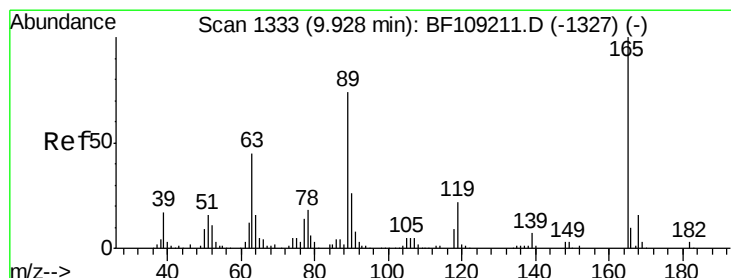
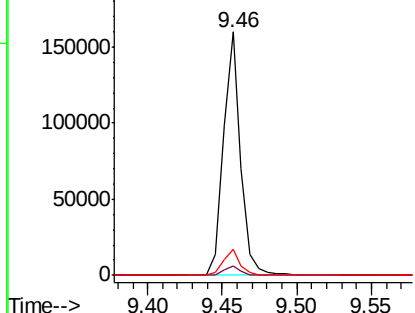
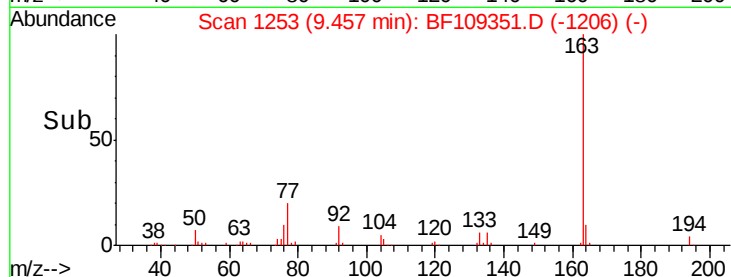
#49
Dimethylphthalate
Concen: 14.632 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109351.D
Acq: 26 Sep 2018 21:40

Instrument :
BNA_F
ClientSampleId :
CA-SOIL-1

Tgt Ion:163 Resp: 129349
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.4 8.2 12.2

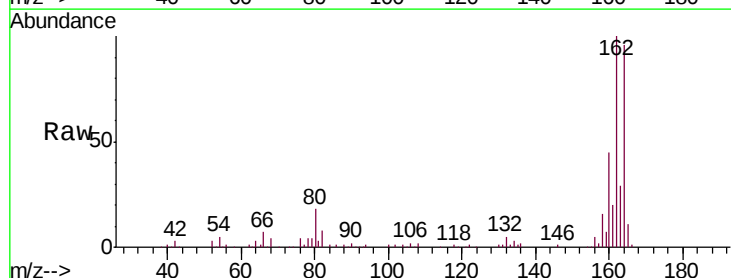


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

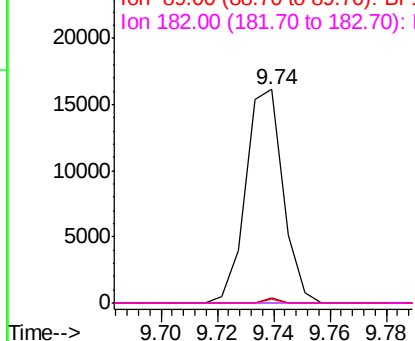
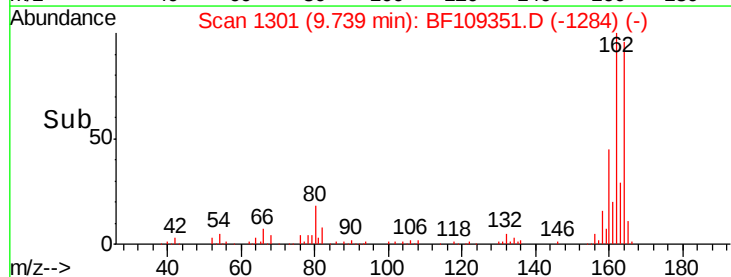


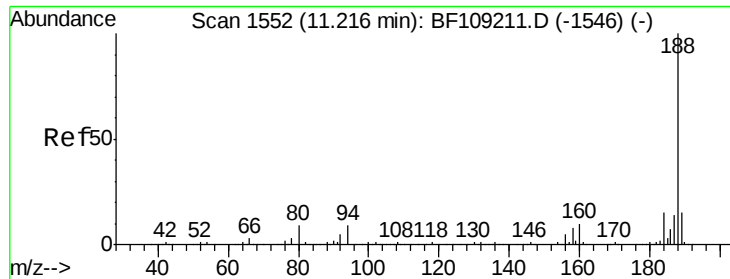
#56
2,4-Dinitrotoluene
Concen: 6.681 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109351.D
Acq: 26 Sep 2018 21:40

Tgt Ion:165 Resp: 14800
Ion Ratio Lower Upper
165 100
63 2.2 36.4 54.6#
89 2.0 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

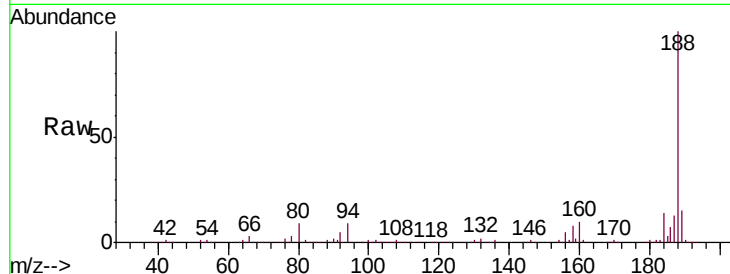




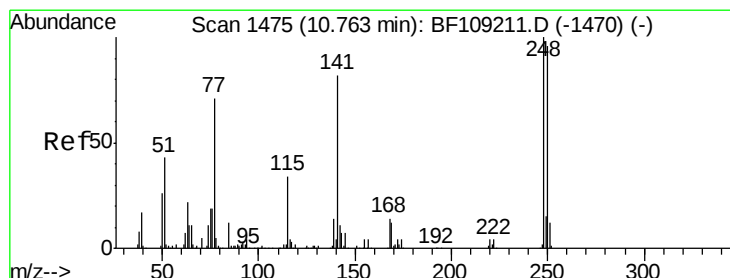
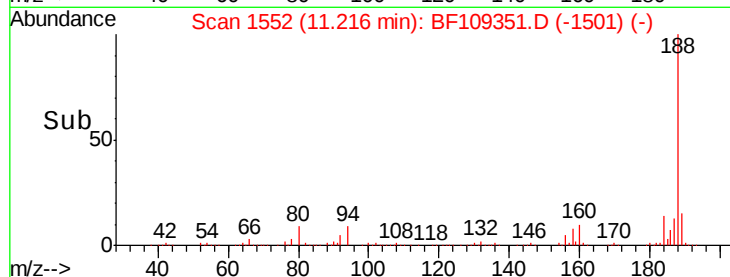
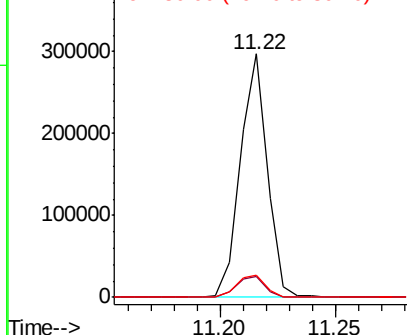
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109351.D
Acq: 26 Sep 2018 21:40

Instrument :
BNA_F
ClientSampleId :
CA-SOIL-1

Tgt Ion:188 Resp: 243007
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.0 9.2 13.8#

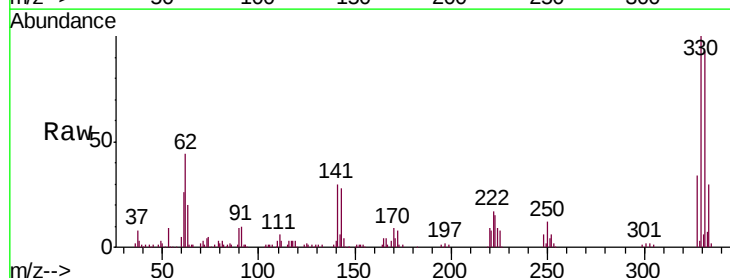


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

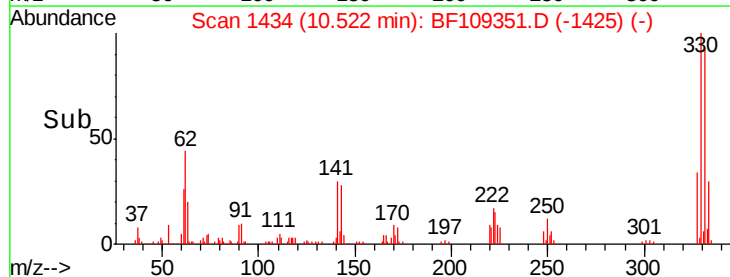
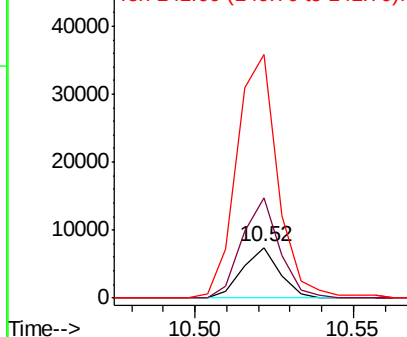


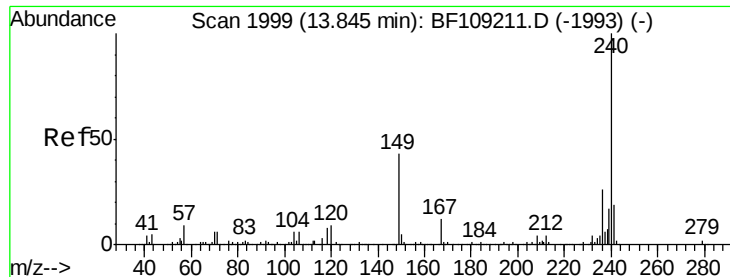
#66
4-Bromophenyl-phenylether
Concen: 2.263 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109351.D
Acq: 26 Sep 2018 21:40

Tgt Ion:248 Resp: 6107
Ion Ratio Lower Upper
248 100
250 197.0 76.9 115.3#
141 478.0 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

Instrument :

BNA_F

ClientSampleId :

CA-SOIL-1

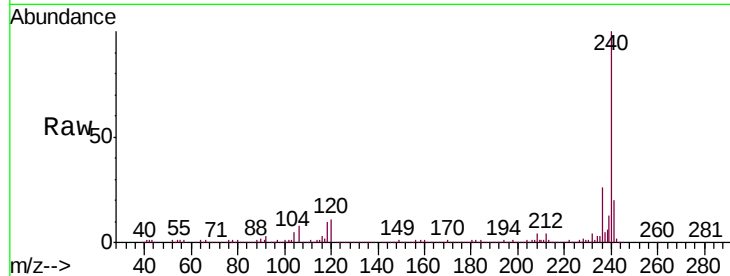
Tgt Ion:240 Resp: 271823

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

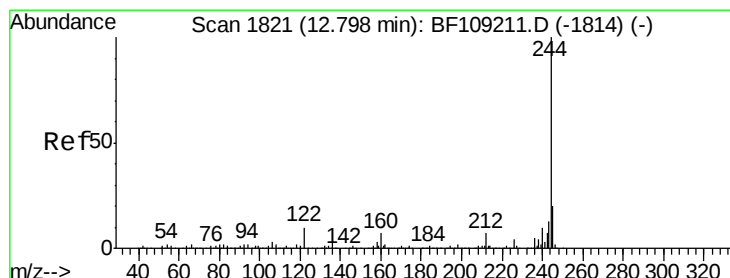
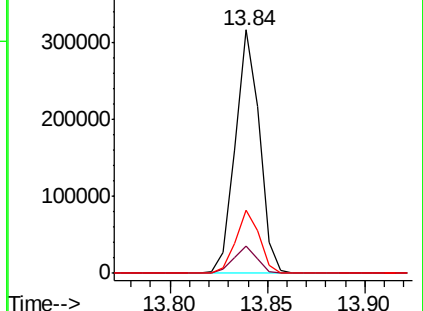
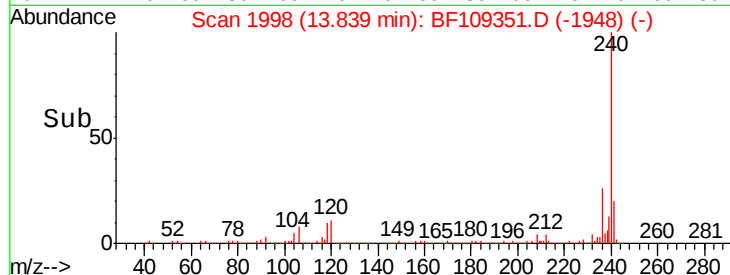
236 25.8 20.7 31.1



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



#78

Terphenyl-d14

Concen: 42.706 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109351.D

Acq: 26 Sep 2018 21:40

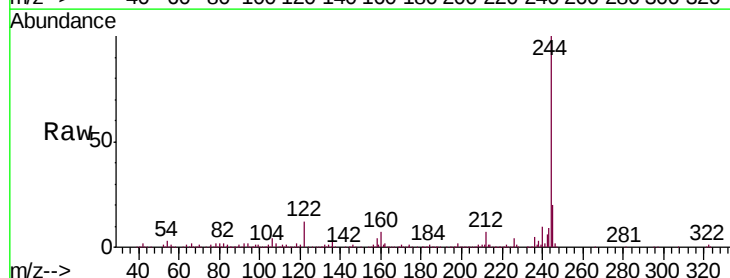
Tgt Ion:244 Resp: 473009

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

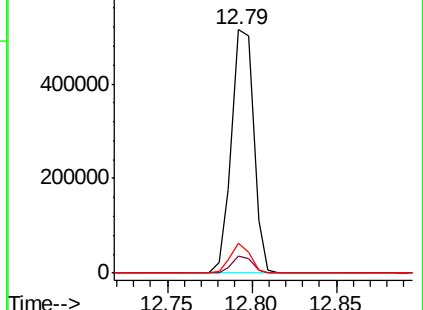
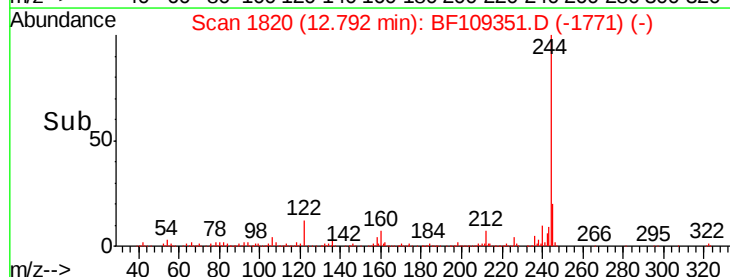
122 12.3 11.0 16.4

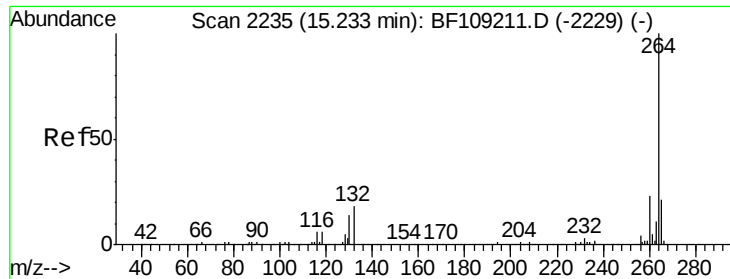


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

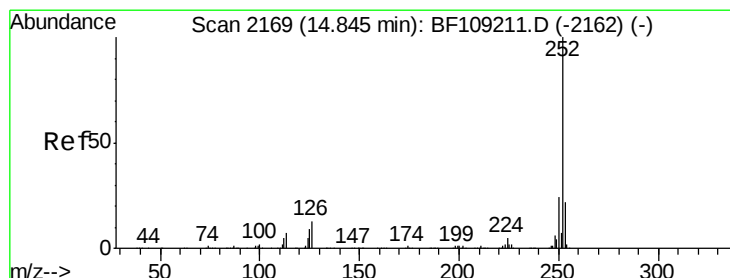
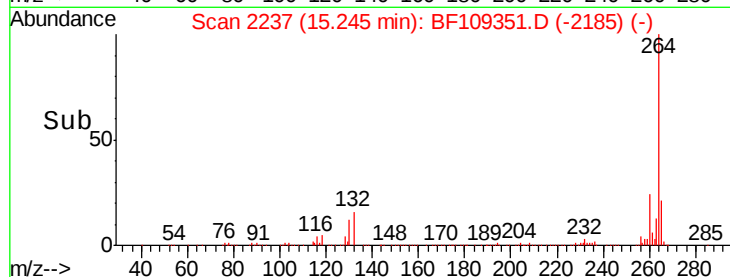
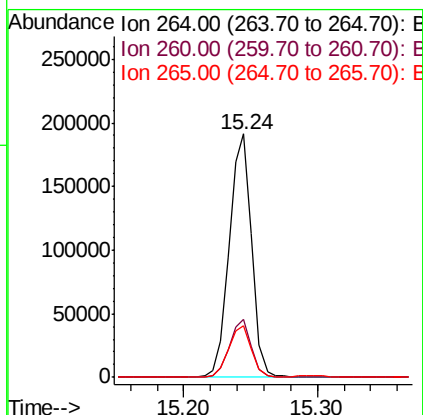
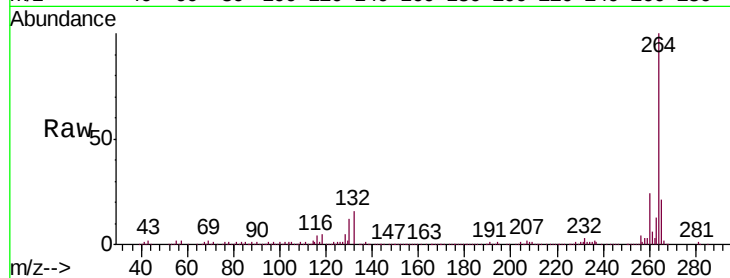




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109351.D
Acq: 26 Sep 2018 21:40

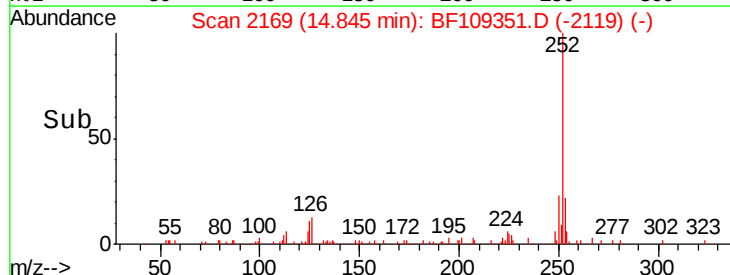
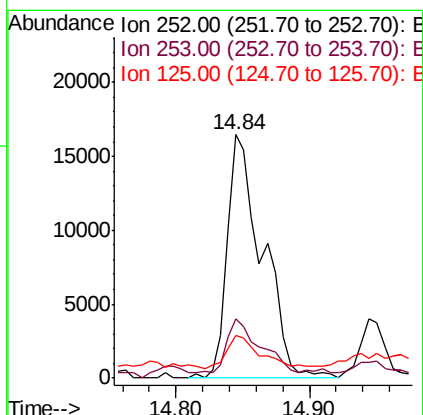
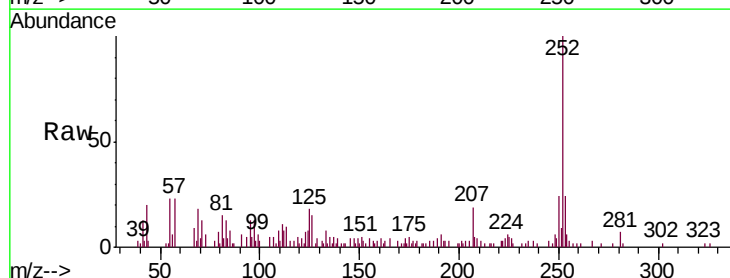
Instrument :
BNA_F
ClientSampleId :
CA-SOIL-1

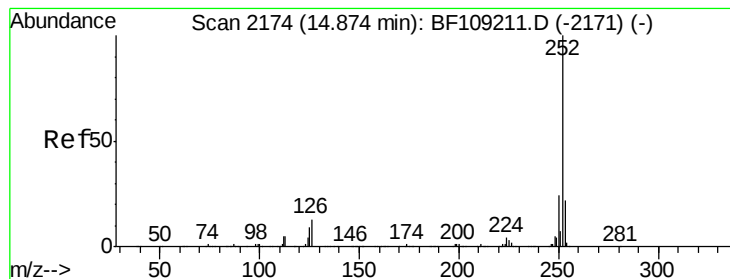
Tgt Ion: 264 Resp: 225352
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.462 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109351.D
Acq: 26 Sep 2018 21:40

Tgt Ion: 252 Resp: 30482
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 17.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.594 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109351.D

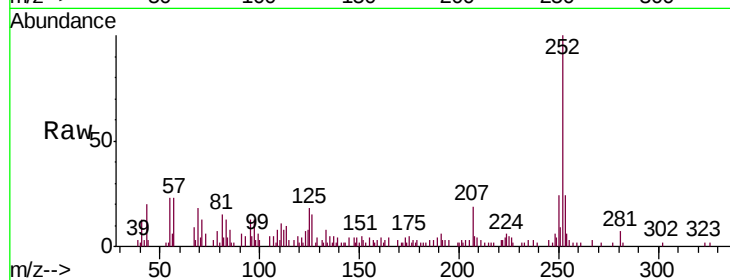
Acq: 26 Sep 2018 21:40

Instrument :

BNA_F

ClientSampleId :

CA-SOIL-1



Tgt Ion:	252	Resp:	30482
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	17.6	10.2	15.2#

