

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111433.D
 Acq On : 14 Dec 2018 21:53
 Operator : JU/SJ
 Sample : J6372-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FP-SOIL-1

Quant Time: Dec 14 22:41:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	174181	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	693664	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	279933	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	406402	20.00	ng	0.00
76) Chrysene-d12	13.95	240	343489	20.00	ng	0.00
87) Perylene-d12	15.39	264	230975	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	11374	1.09	ng	0.00
7) Phenol-d6	6.43	99	85768	6.16	ng	-0.01
23) Nitrobenzene-d5	7.35	82	101792	8.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	1150	0.46	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	201444	11.12	ng	0.00
79) Terphenyl-d14	12.89	244	144665	9.89	ng	0.00

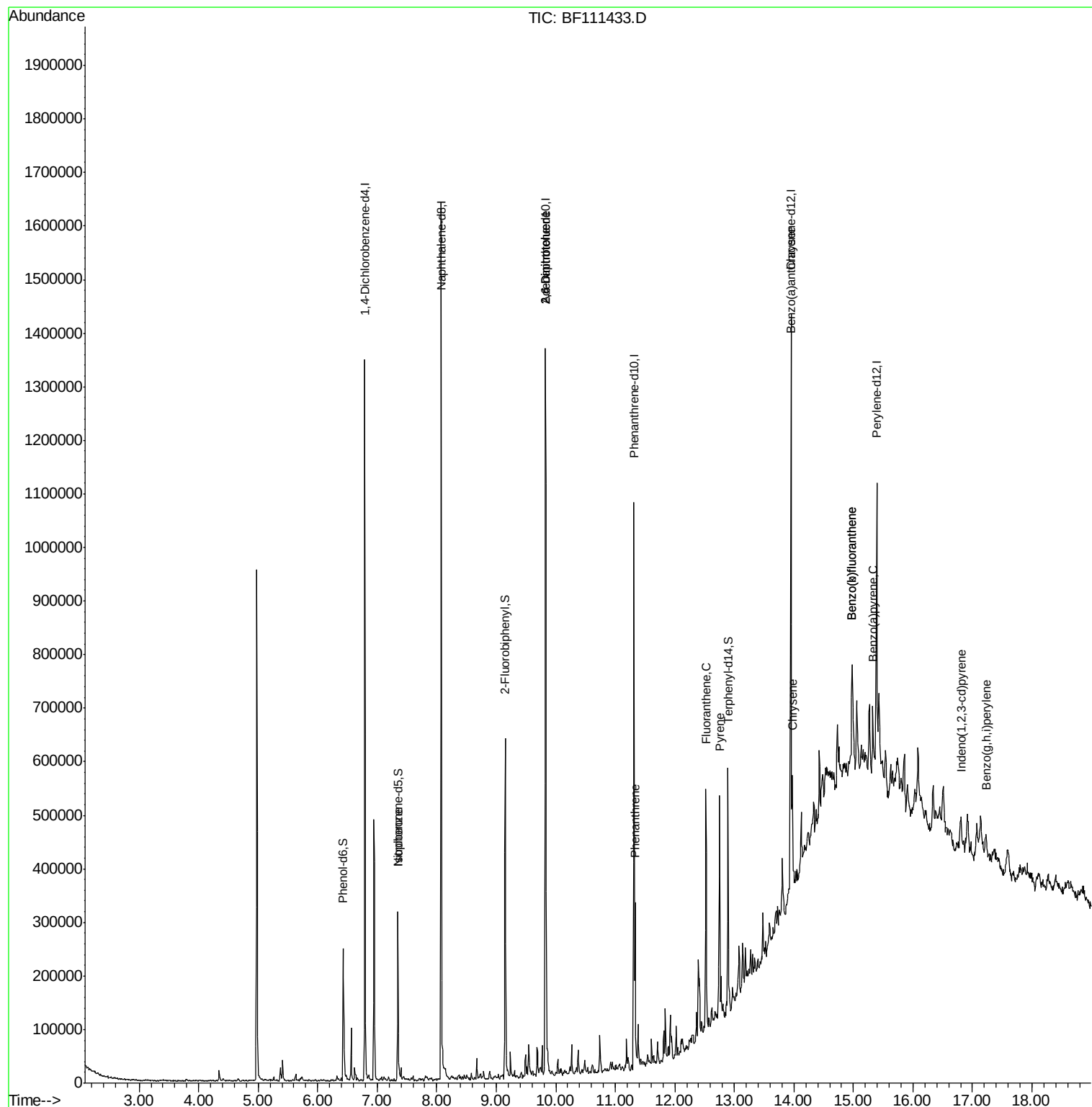
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.35	82	101790	5.164	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	35808	7.891	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	35808	6.012	ng	# 25
71) Phenanthrene	11.33	178	99538	4.753	ng	# 91
75) Fluoranthene	12.52	202	173759	8.482	ng	98
78) Pyrene	12.75	202	166689	6.883	ng	96
81) Benzo(a)anthracene	13.94	228	86020	4.606	ng	92
83) Chrysene	13.97	228	79688	4.050	ng	95
86) Indeno(1,2,3-cd)pyrene	16.80	276	35459	2.497	ng	# 92
88) Benzo(b)fluoranthene	14.97	252	116938	8.684	ng	# 89
89) Benzo(k)fluoranthene	14.97	252	116938	9.088	ng	# 88
90) Benzo(a)pyrene	15.33	252	58076	4.783	ng	# 90
92) Benzo(g,h,i)perylene	17.23	276	36511	3.883	ng	98

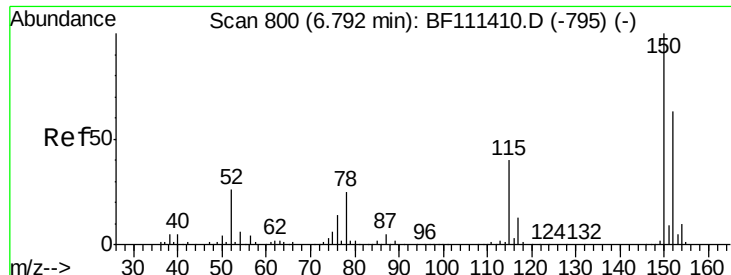
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

Instrument :

BNA_G

ClientSampleId :

FP-SOIL-1

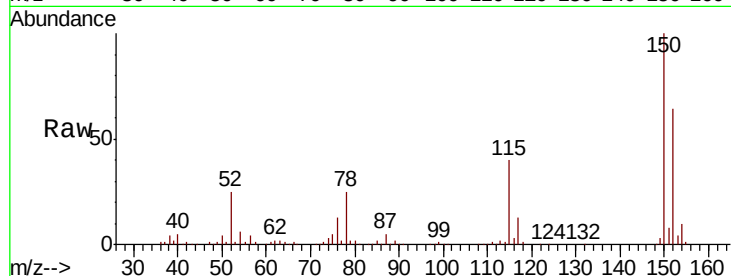
Tgt Ion:152 Resp: 174181

Ion Ratio Lower Upper

152 100

150 156.8 126.6 189.8

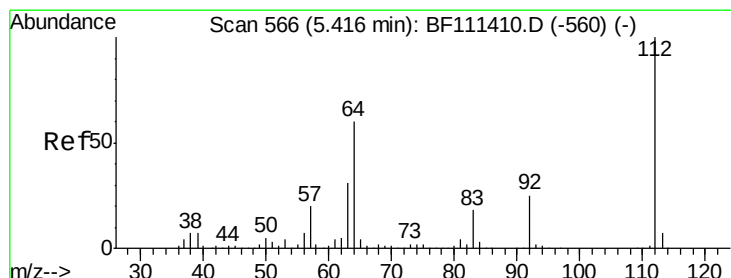
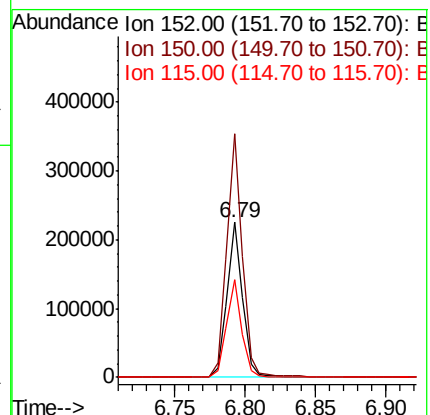
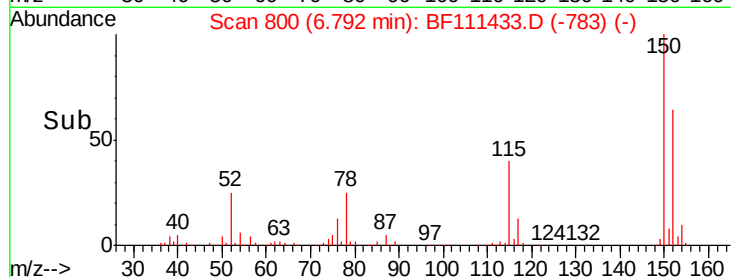
115 62.7 50.7 76.1



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: 1.087 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

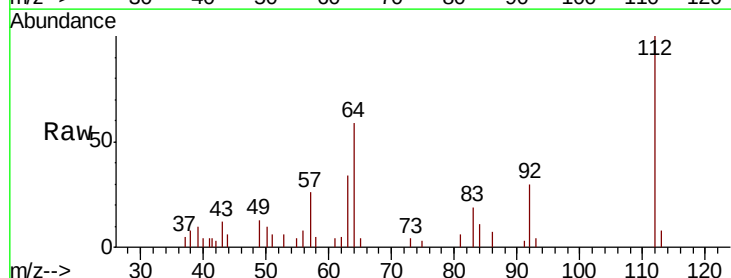
Tgt Ion:112 Resp: 11374

Ion Ratio Lower Upper

112 100

64 59.1 51.8 77.6

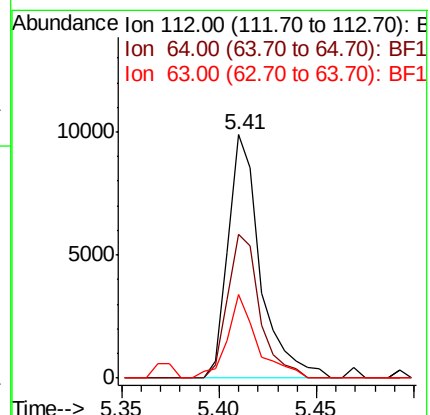
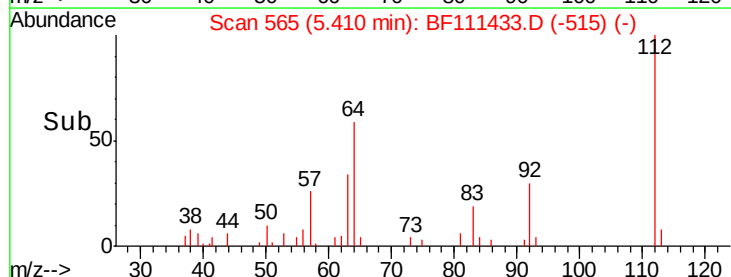
63 34.2 26.8 40.2

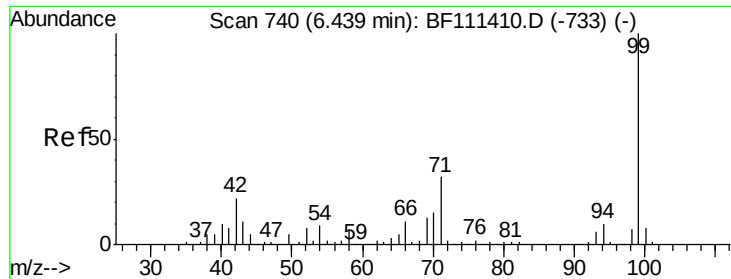


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 6.160 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

Instrument :

BNA_G

ClientSampleId :

FP-SOIL-1

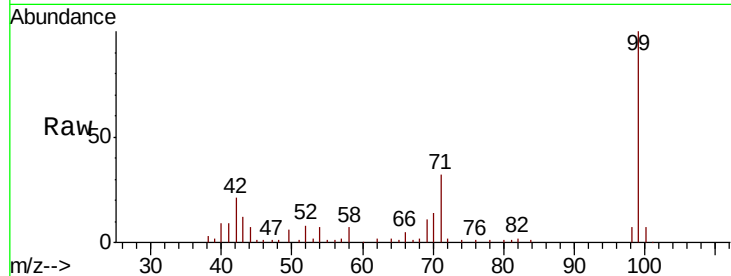
Tgt Ion: 99 Resp: 85768

Ion Ratio Lower Upper

99 100

42 20.8 17.4 26.0

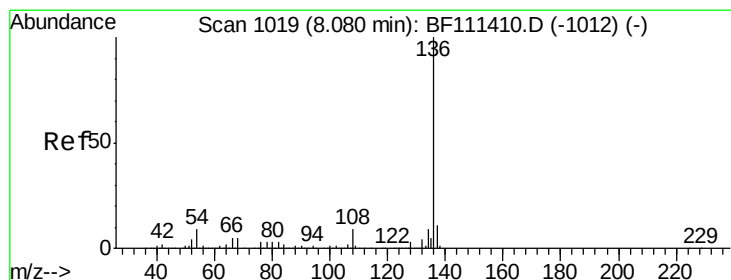
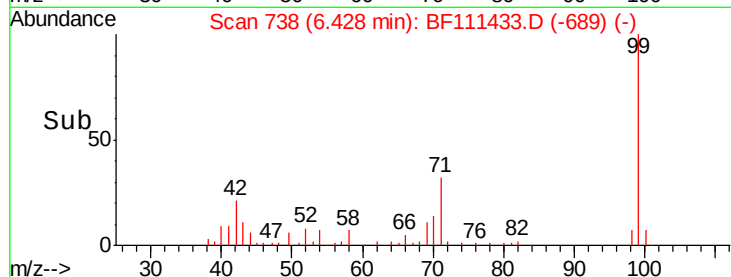
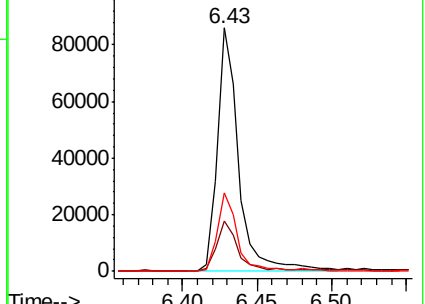
71 32.5 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

Tgt Ion: 136 Resp: 693664

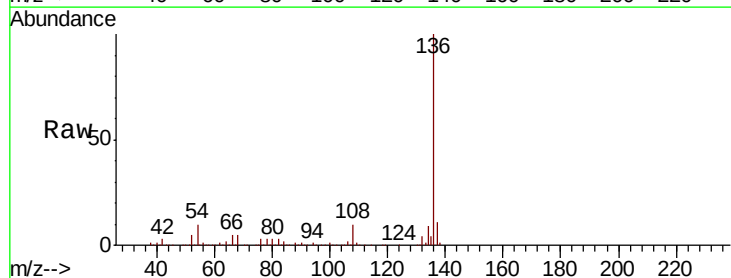
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.9 7.7 11.5

68 5.5 4.9 7.3

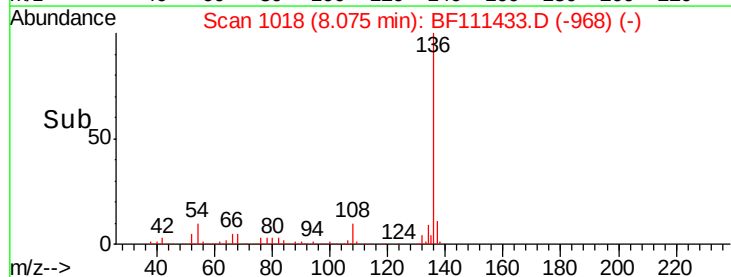
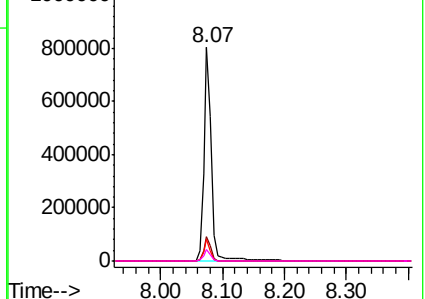


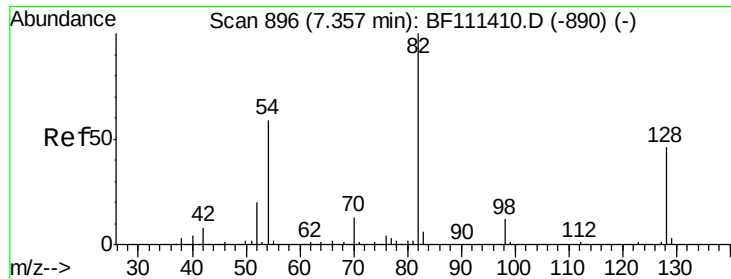
Abundance Ion 136.00 (135.70 to 136.70): E

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

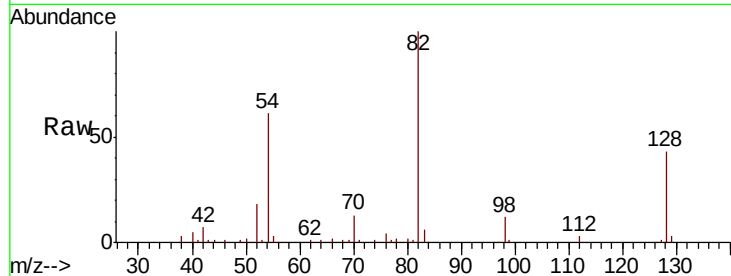




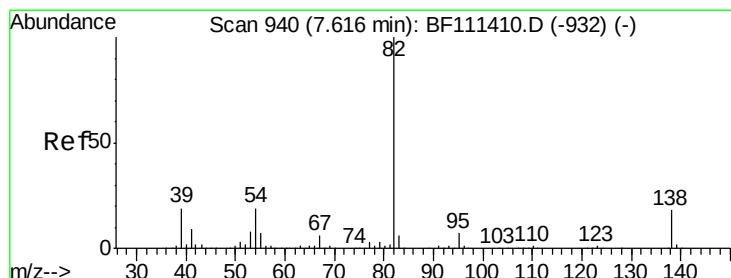
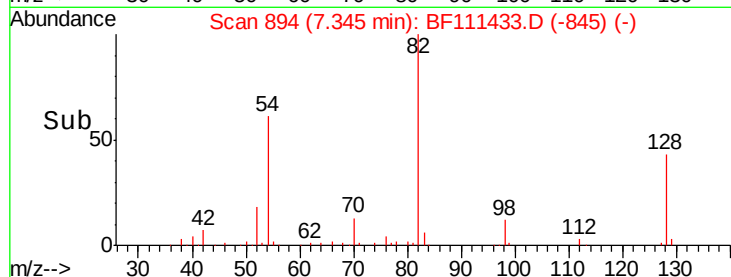
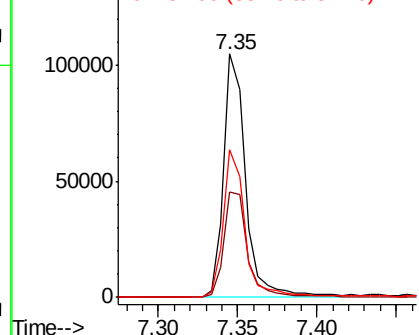
#23
 Nitrobenzene-d5
 Concen: 8.738 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF111433.D
 Acq: 14 Dec 2018 21:53

Instrument :
 BNA_G
 ClientSampleId :
 FP-SOIL-1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.4	37.4	56.2
54	60.9	47.6	71.4

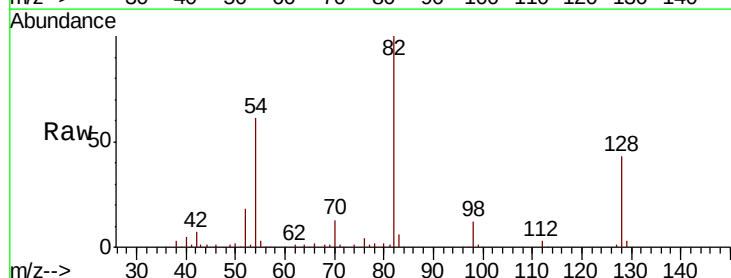


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

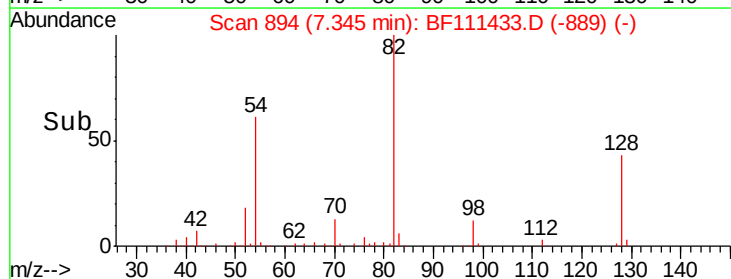
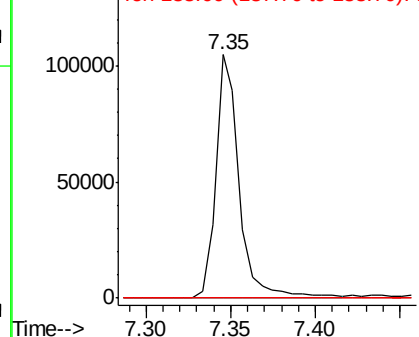


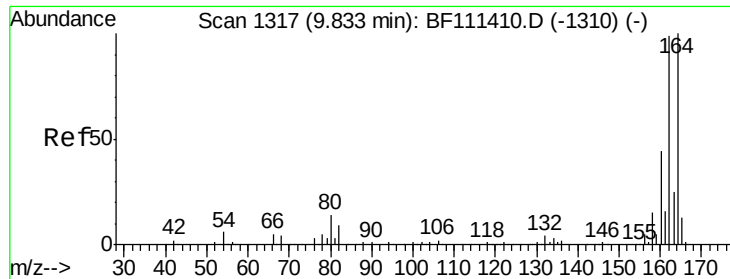
#25
 Isophorone
 Concen: 5.164 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.27 min
 Lab File: BF111433.D
 Acq: 14 Dec 2018 21:53

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	15.1	22.7#



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

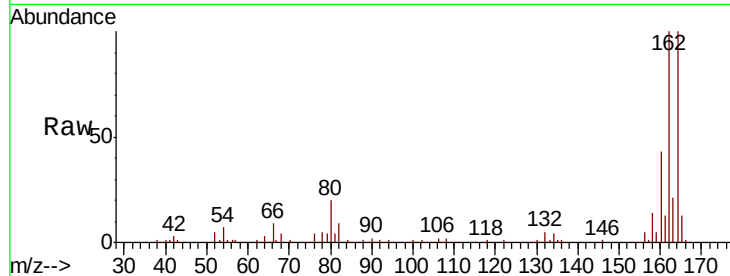




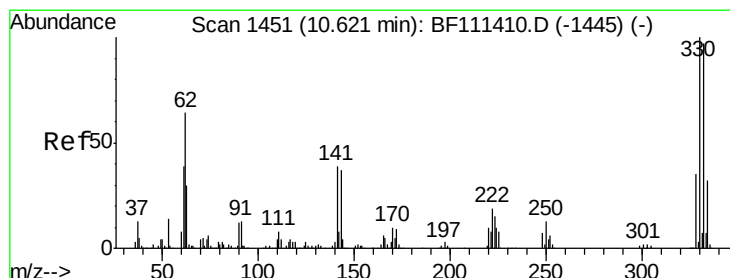
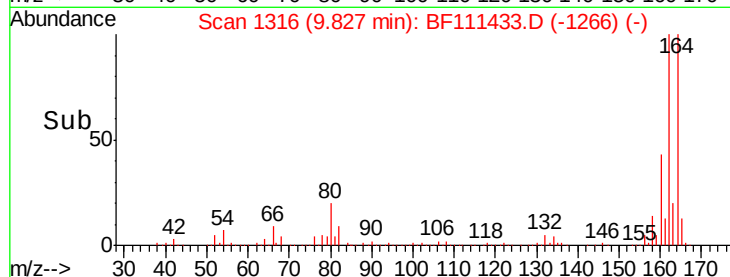
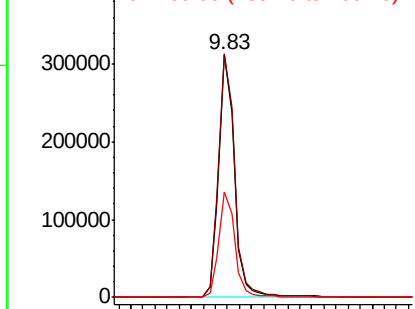
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_G
ClientSampleId :
FP-SOIL-1

Tgt Ion:164 Resp: 279933
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 43.6 35.7 53.5

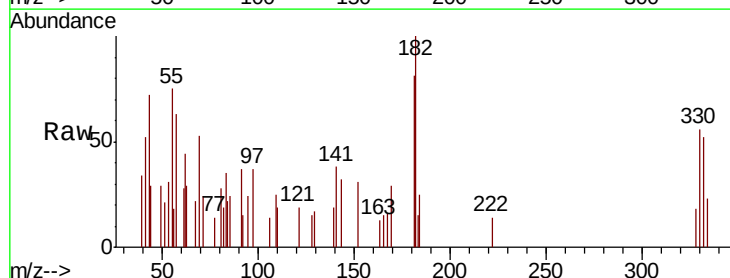


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

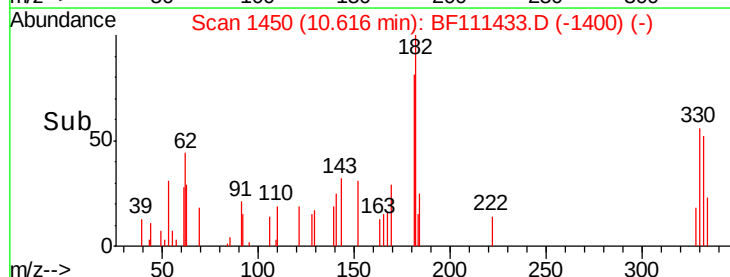
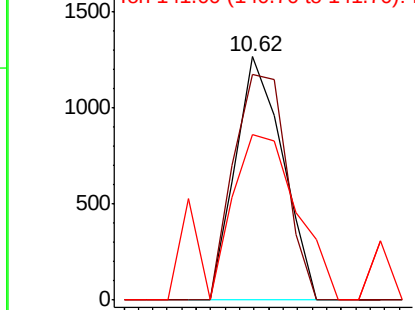


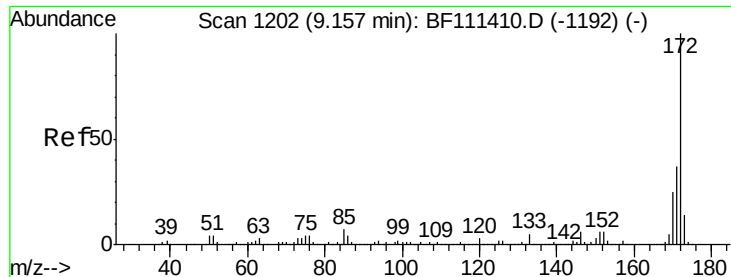
#42
2,4,6-Tribromophenol
Concen: 0.459 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Tgt Ion:330 Resp: 1150
Ion Ratio Lower Upper
330 100
332 103.3 76.0 114.0
141 108.0 31.0 46.6#



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

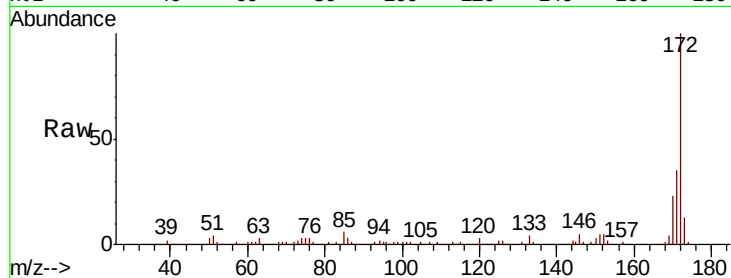




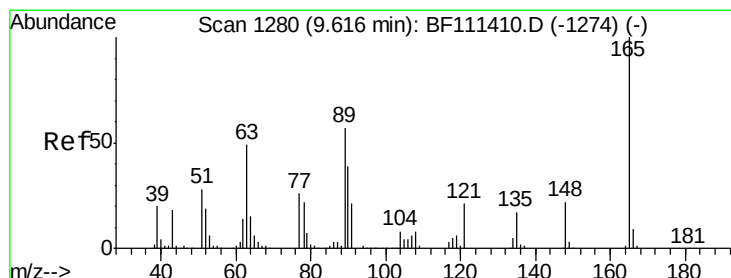
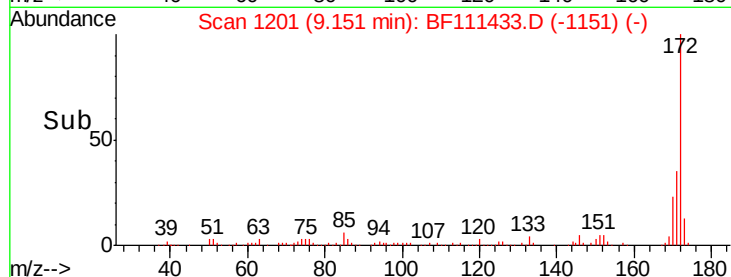
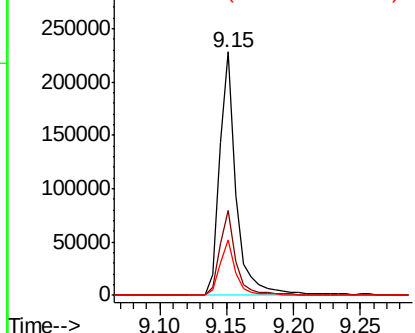
#45
 2-Fluorobiphenyl
 Concen: 11.115 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111433.D
 Acq: 14 Dec 2018 21:53

Instrument :
 BNA_G
 ClientSampleId :
 FP-SOIL-1

Tgt Ion:172 Resp: 201444
 Ion Ratio Lower Upper
 172 100
 171 35.1 33.0 49.4
 170 22.6 22.3 33.5

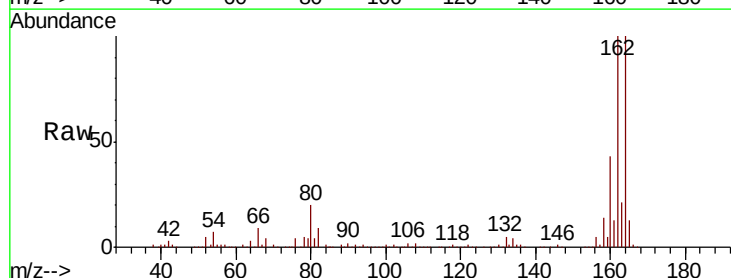


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

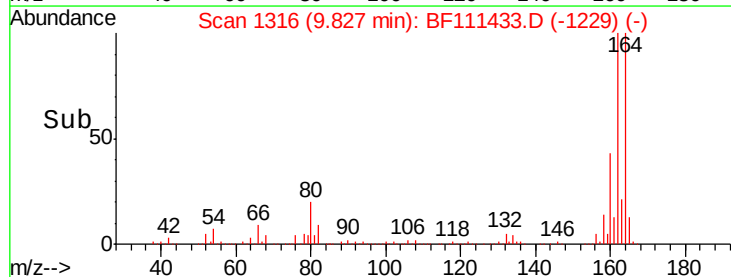
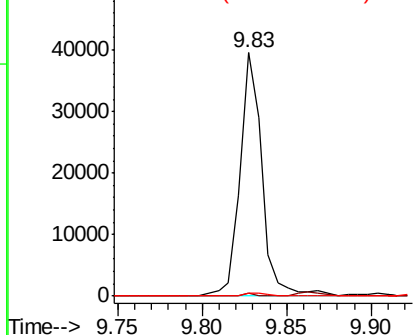


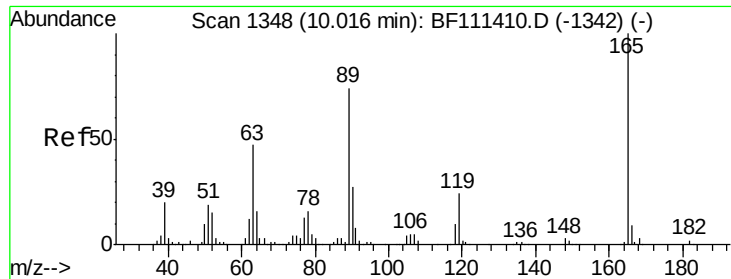
#51
 2,6-Dinitrotoluene
 Concen: 7.891 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111433.D
 Acq: 14 Dec 2018 21:53

Tgt Ion:165 Resp: 35808
 Ion Ratio Lower Upper
 165 100
 63 1.4 40.5 60.7#
 89 1.3 40.0 60.0#



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





#57

2,4-Dinitrotoluene

Concen: 6.012 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

Instrument :

BNA_G

ClientSampleId :

FP-SOIL-1

Tgt Ion:165 Resp: 35808

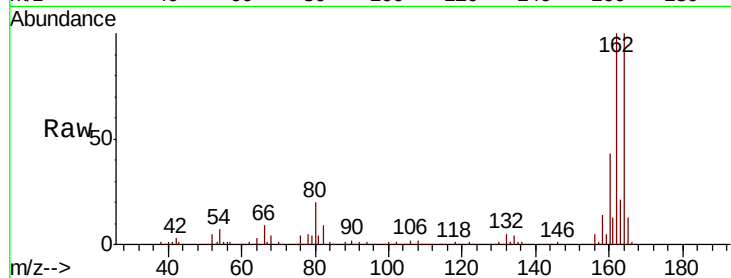
Ion Ratio Lower Upper

165 100

63 1.4 34.6 52.0#

89 1.3 56.2 84.4#

182 0.0 1.8 2.6#

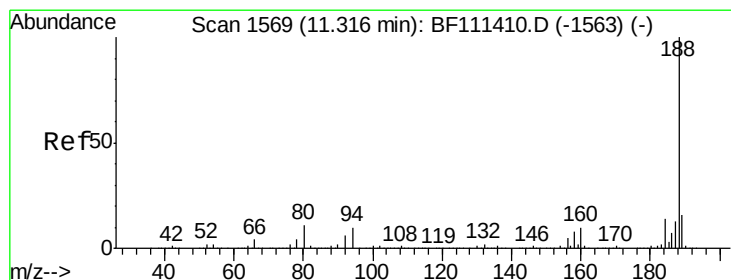
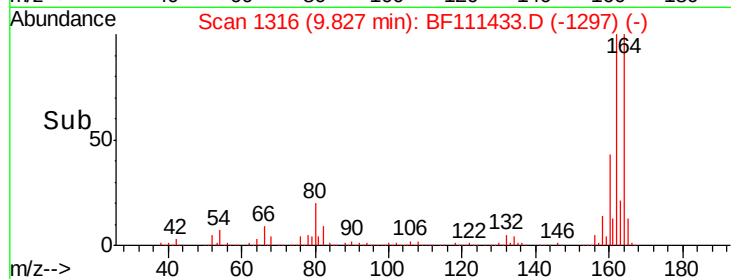
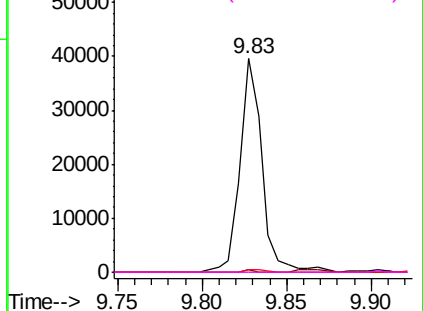


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

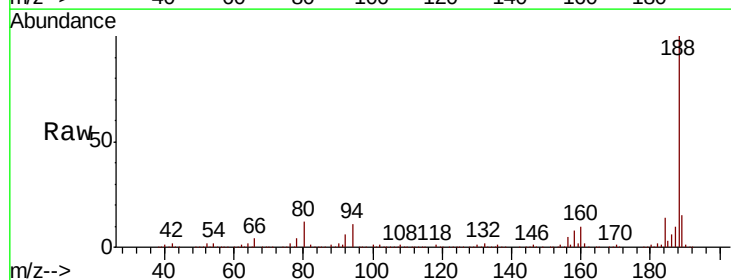
Tgt Ion:188 Resp: 406402

Ion Ratio Lower Upper

188 100

94 11.1 9.6 14.4

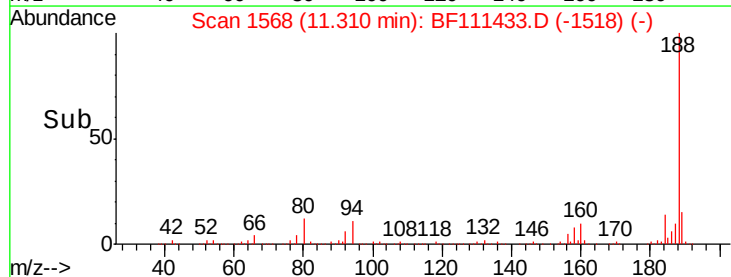
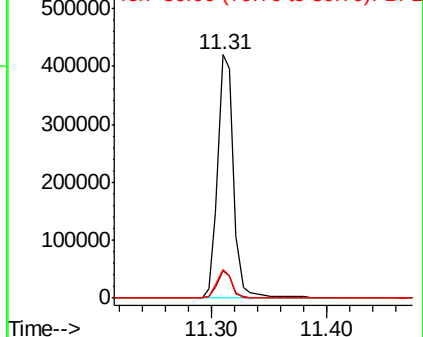
80 11.8 9.8 14.6

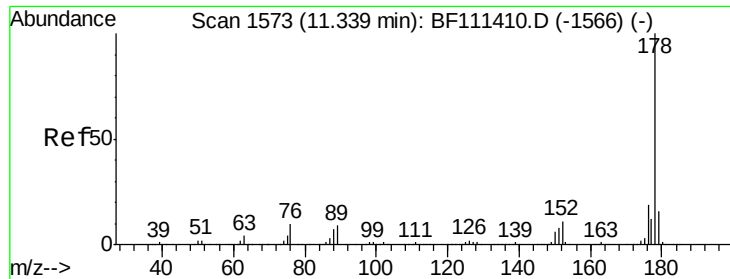


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

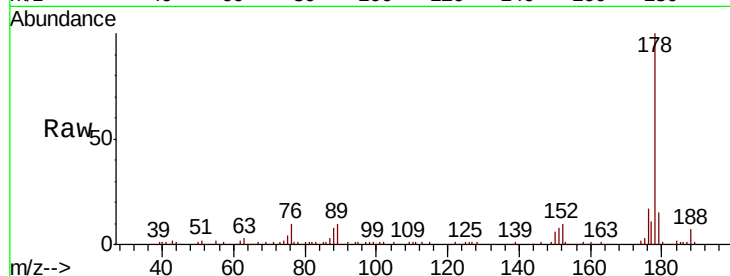




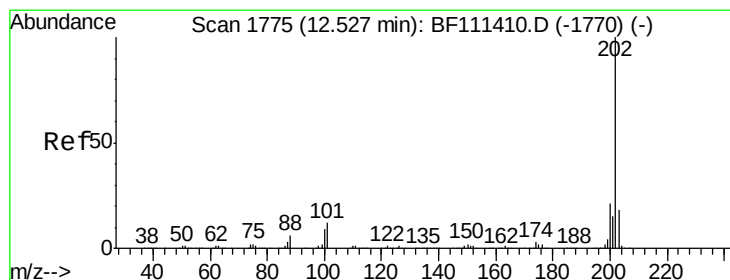
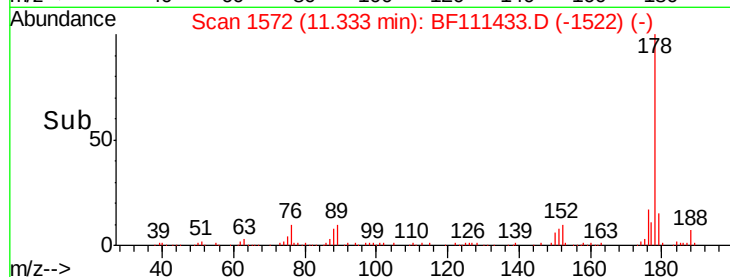
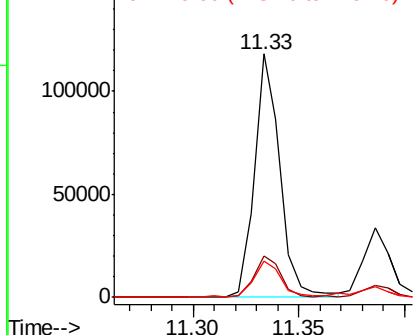
#71
Phenanthrene
Concen: 4.753 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_G
ClientSampleId :
FP-SOIL-1

Tgt Ion:178 Resp: 99538
Ion Ratio Lower Upper
178 100
176 17.2 18.1 27.1#
179 14.8 14.0 21.0

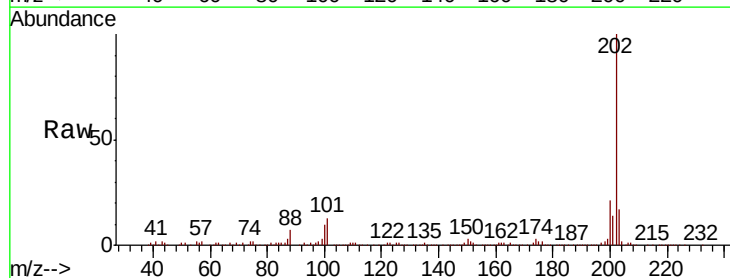


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

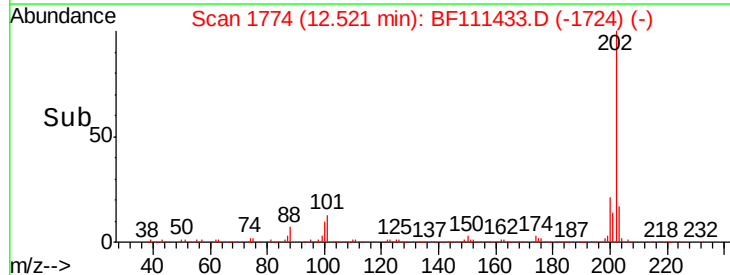
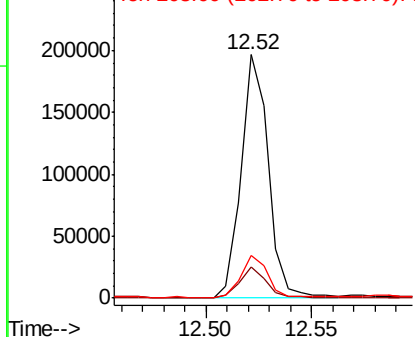


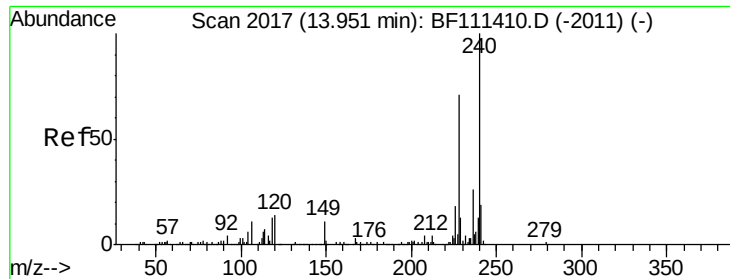
#75
Fluoranthene
Concen: 8.482 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Tgt Ion:202 Resp: 173759
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.8
203 17.5 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

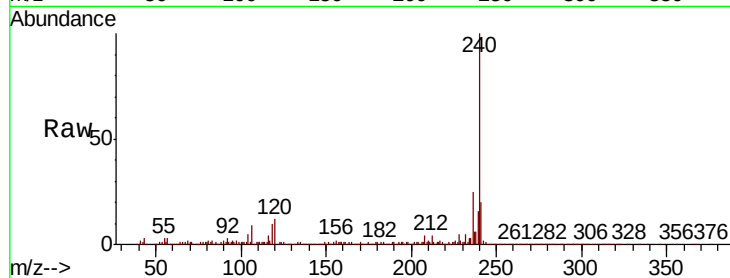




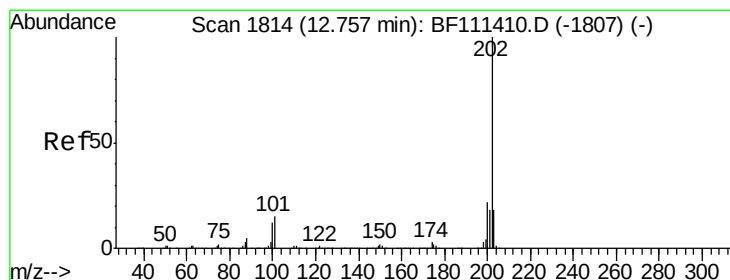
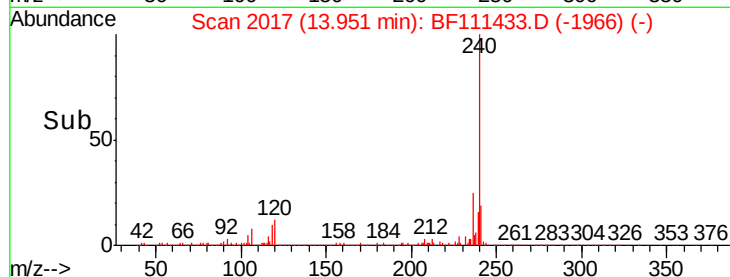
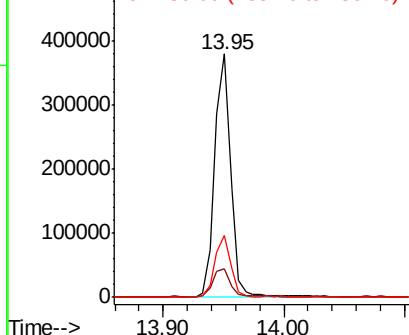
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_G
ClientSampleId :
FP-SOIL-1

Tgt Ion:240 Resp: 343489
Ion Ratio Lower Upper
240 100
120 11.9 12.2 18.2#
236 25.2 20.2 30.2

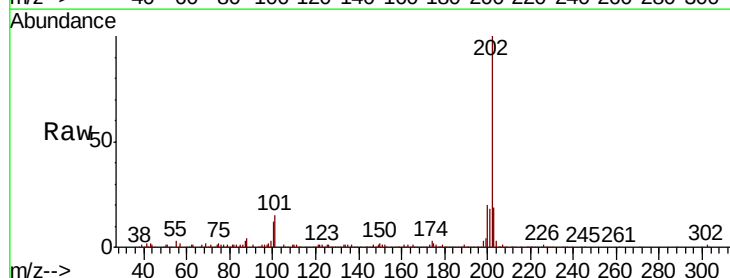


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

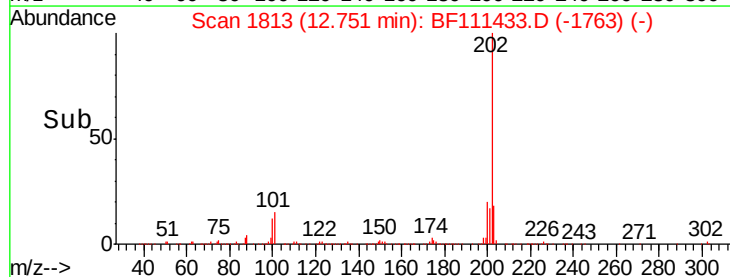
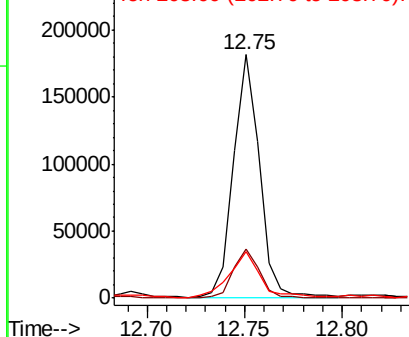


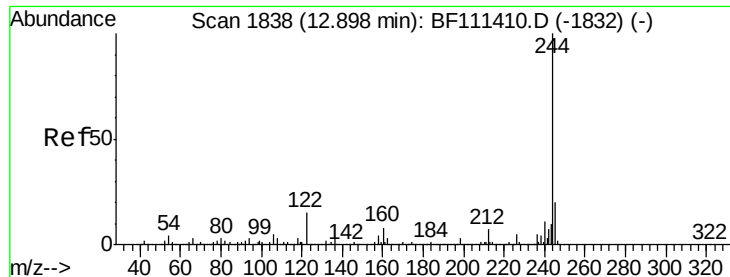
#78
Pyrene
Concen: 6.883 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Tgt Ion:202 Resp: 166689
Ion Ratio Lower Upper
202 100
200 20.4 19.0 28.4
203 19.1 15.2 22.8



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





#79

Terphenyl-d14

Concen: 9.890 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

Instrument :

BNA_G

ClientSampleId :

FP-SOIL-1

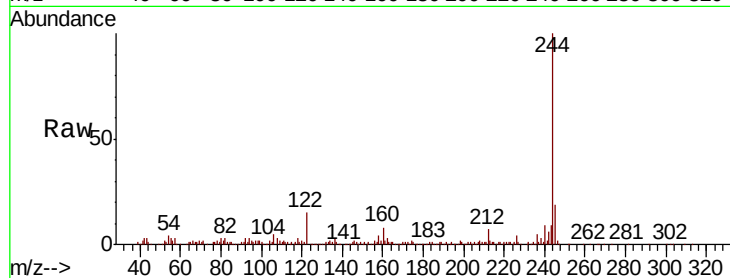
Tgt Ion:244 Resp: 144665

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

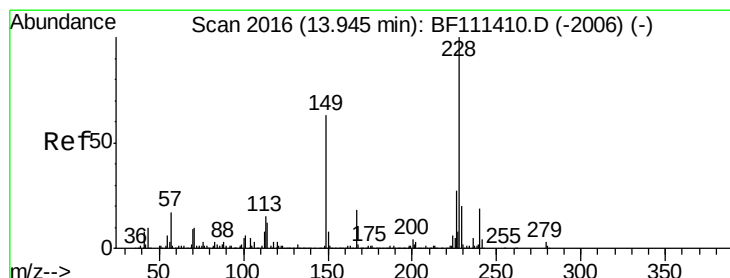
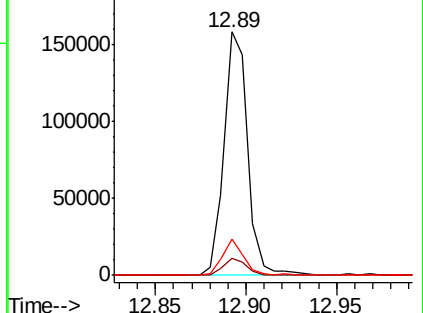
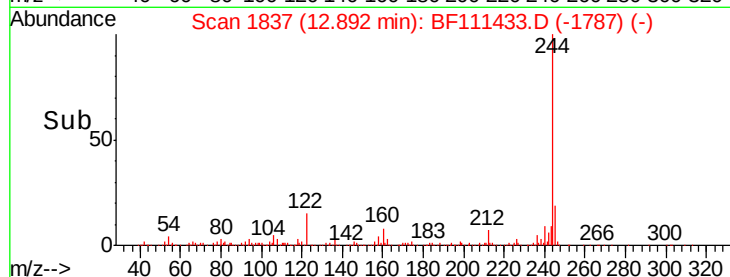
122 14.9 13.1 19.7



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



#81

Benzo(a)anthracene

Concen: 4.606 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

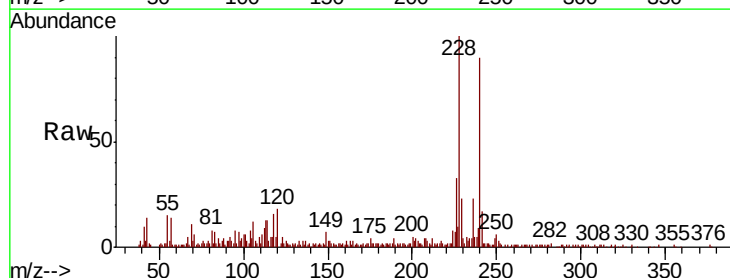
Tgt Ion:228 Resp: 86020

Ion Ratio Lower Upper

228 100

226 33.5 22.6 34.0

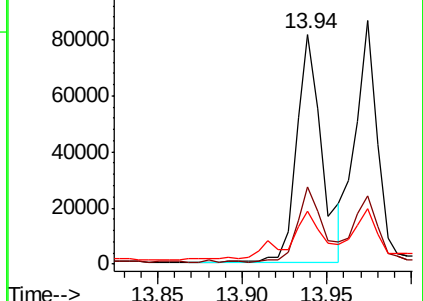
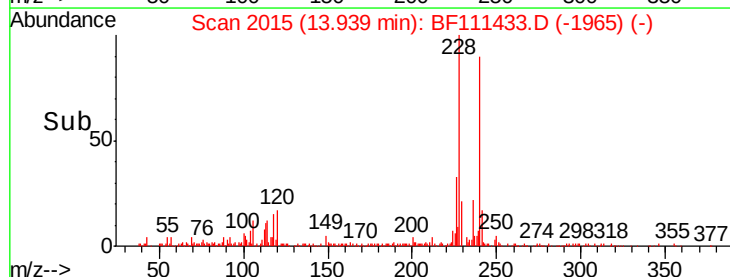
229 22.8 16.3 24.5

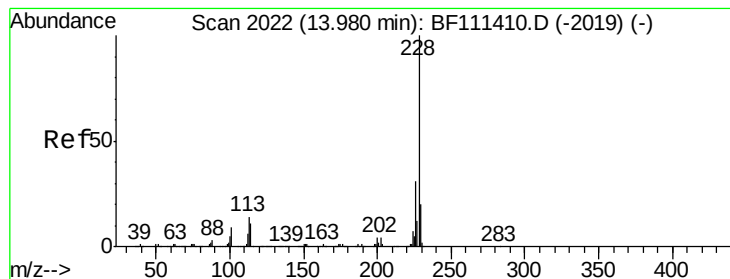


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.050 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

Instrument :

BNA_G

ClientSampleId :

FP-SOIL-1

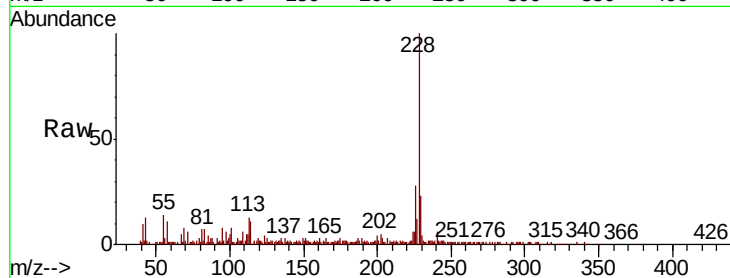
Tgt Ion:228 Resp: 79688

Ion Ratio Lower Upper

228 100

226 28.1 25.3 37.9

229 22.9 17.2 25.8

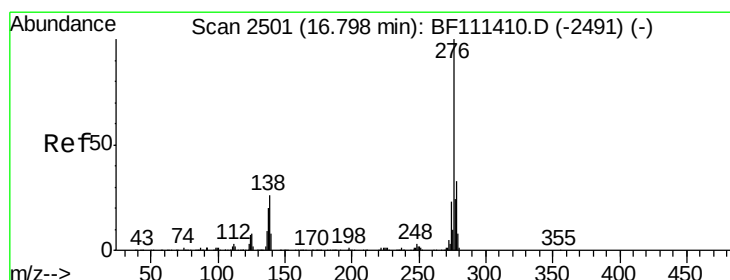
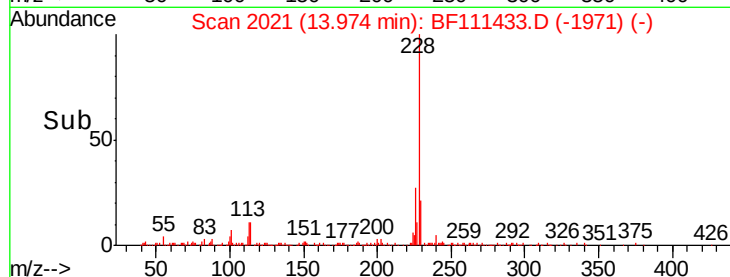
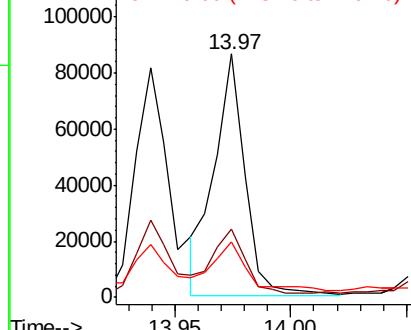


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.497 ng

RT: 16.80 min Scan# 2502

Delta R.T. 0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

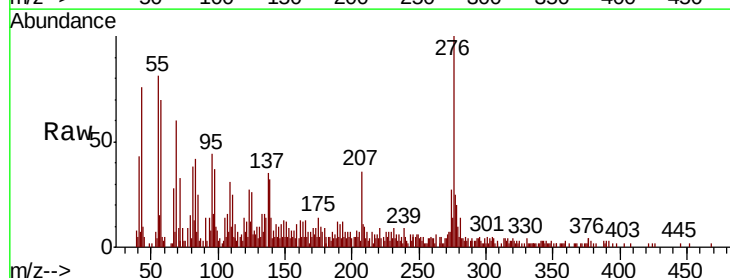
Tgt Ion:276 Resp: 35459

Ion Ratio Lower Upper

276 100

138 26.8 27.8 41.6#

277 25.1 20.1 30.1

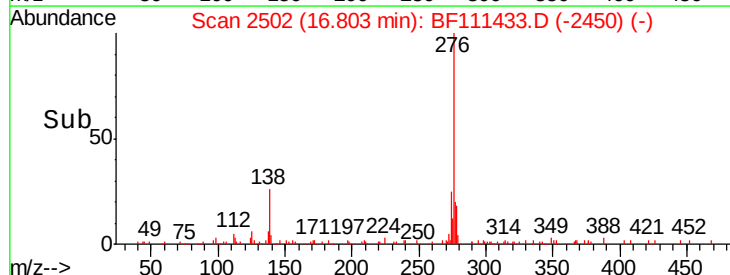
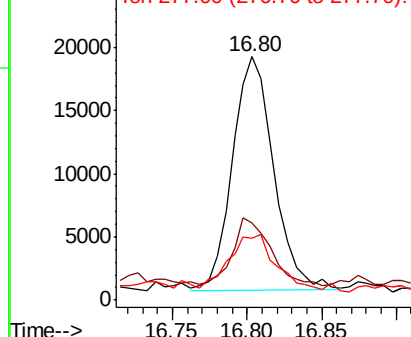


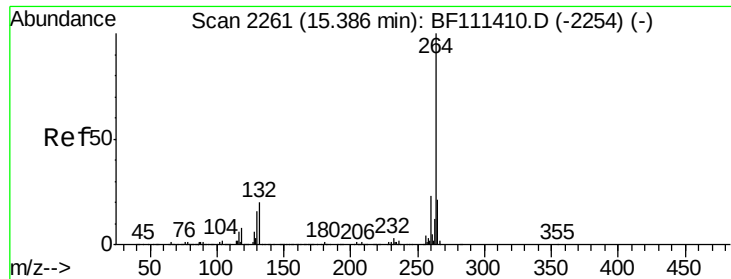
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

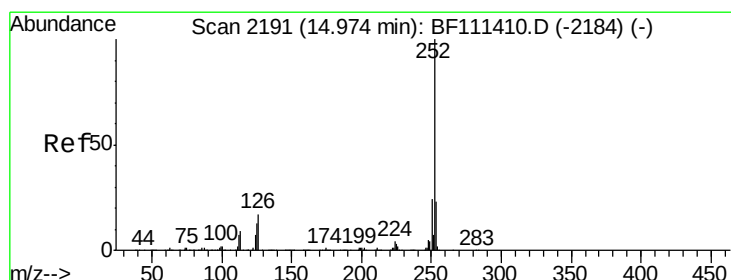
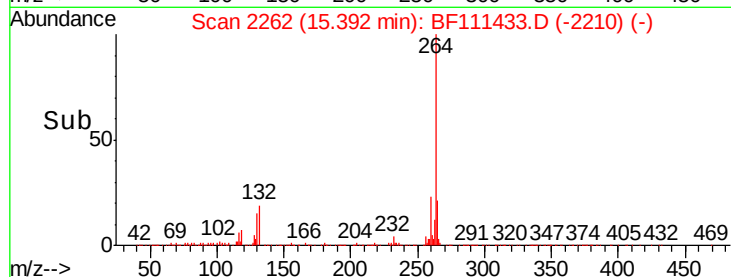
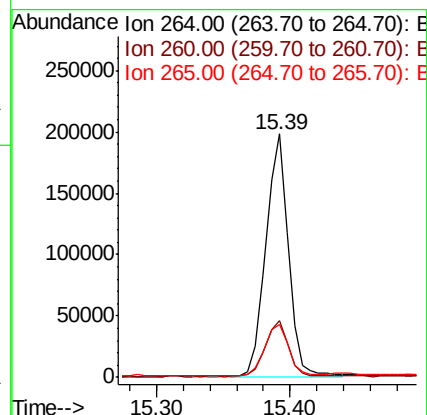
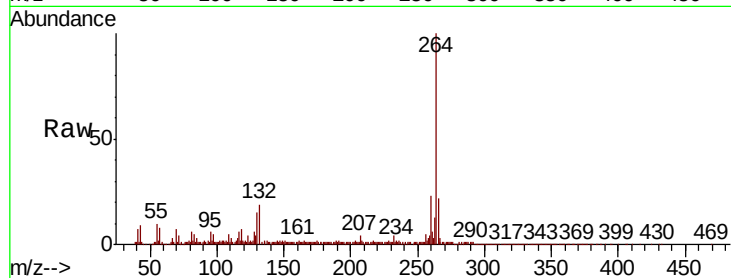




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

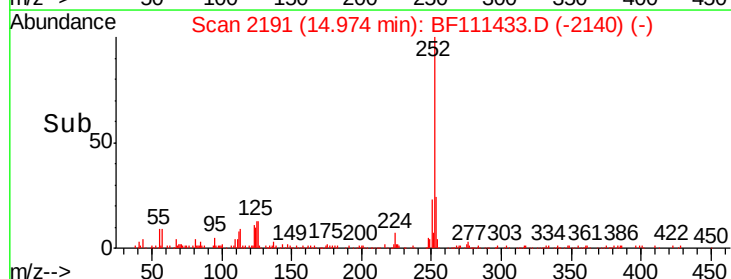
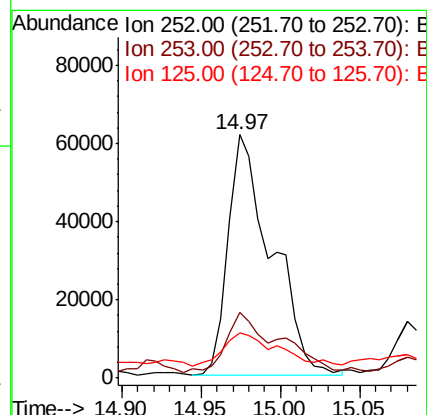
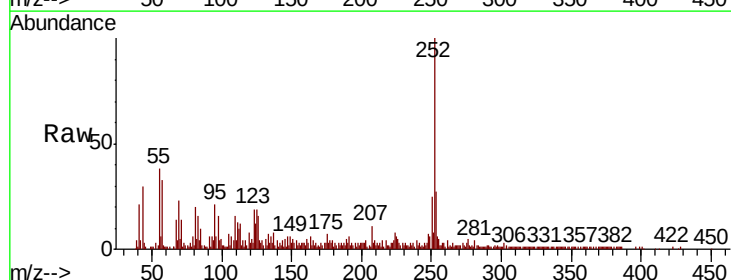
Instrument :
BNA_G
ClientSampled :
FP-SOIL-1

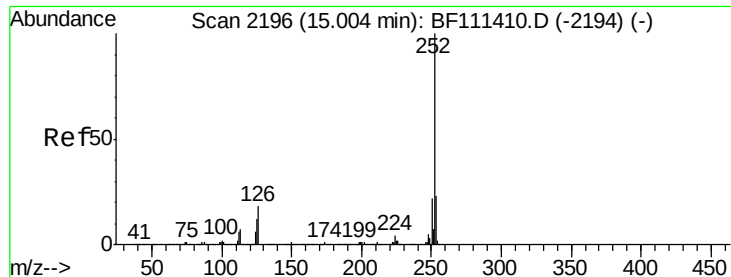
Tgt Ion:264 Resp: 230975
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 21.8 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 8.684 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Tgt Ion:252 Resp: 116938
Ion Ratio Lower Upper
252 100
253 27.0 18.2 27.2
125 18.6 10.4 15.6#

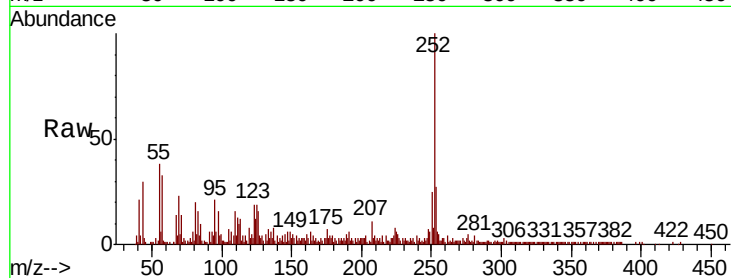




#89
Benzo(k)fluoranthene
Concen: 9.088 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_G
ClientSampleId :
FP-SOIL-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.1	27.1
125	18.6	9.8	14.8

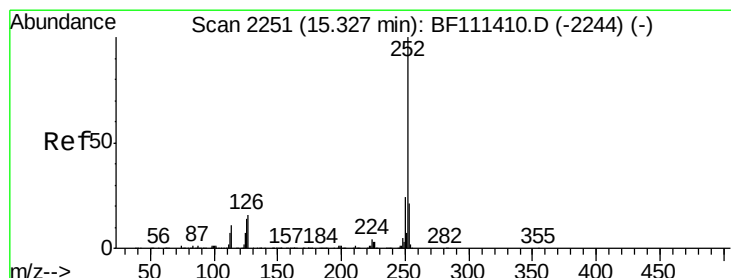
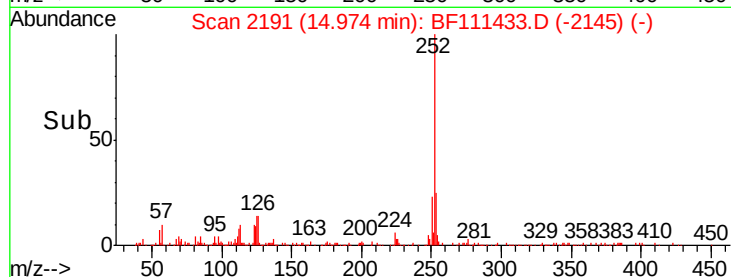
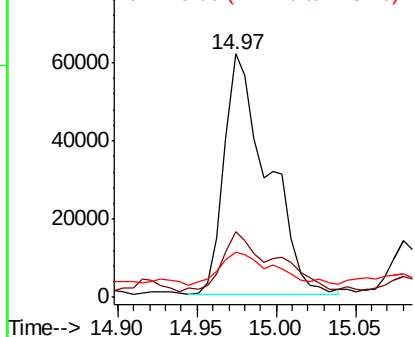


Abundance

Ion 252.00 (251.70 to 252.70): E

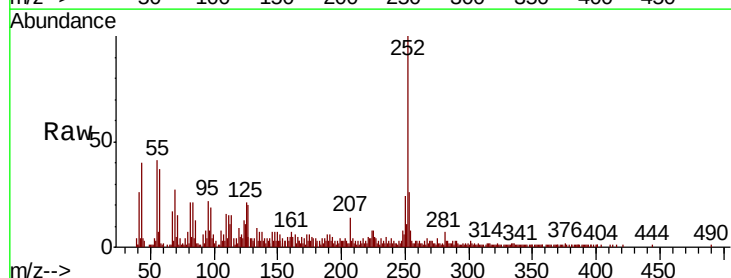
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.783 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.8
125	20.7	12.3	18.5

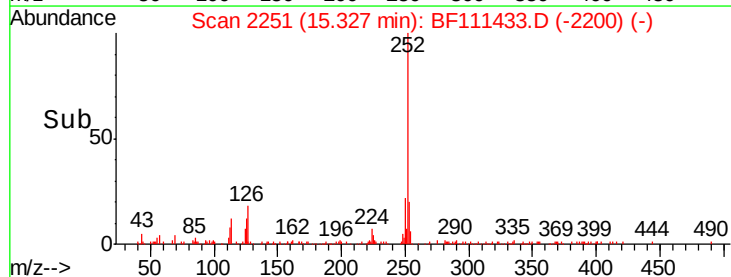
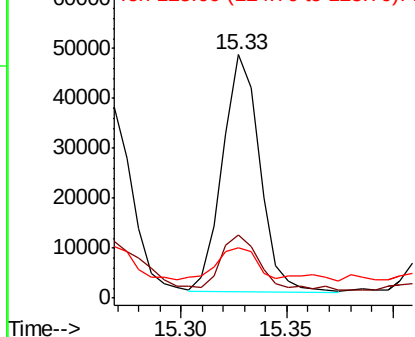


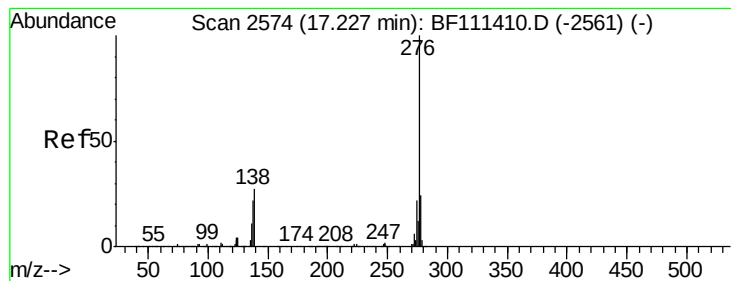
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 3.883 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

Instrument :

BNA_G

ClientSampleId :

FP-SOIL-1

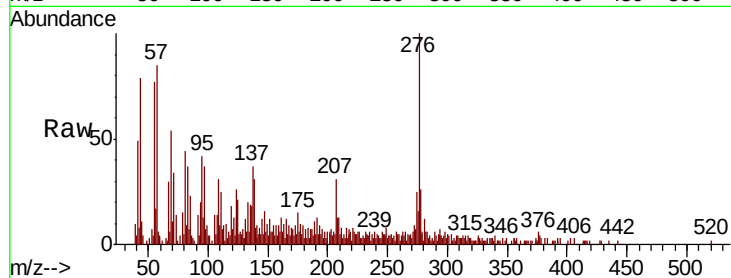
Tgt Ion: 276 Resp: 36511

Ion Ratio Lower Upper

276 100

277 25.5 19.2 28.8

138 31.4 24.9 37.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

