

Data File : BF111476.D
Acq On : 15 Dec 2018 18:43
Operator : JU/SJ
Sample : J6372-01RE 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

Quant Time: Dec 16 00:47:20 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	228553	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	674363	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	272663	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	401030	20.00	ng	0.00
76) Chrysene-d12	13.95	240	343557	20.00	ng	0.00
87) Perylene-d12	15.39	264	224360	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	12634	0.92	ng	0.00
7) Phenol-d6	6.43	99	111823	6.12	ng	-0.01
23) Nitrobenzene-d5	7.35	82	132066	11.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	1268	0.52	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	201005	11.39	ng	0.00
79) Terphenyl-d14	12.90	244	145975	9.98	ng	0.00

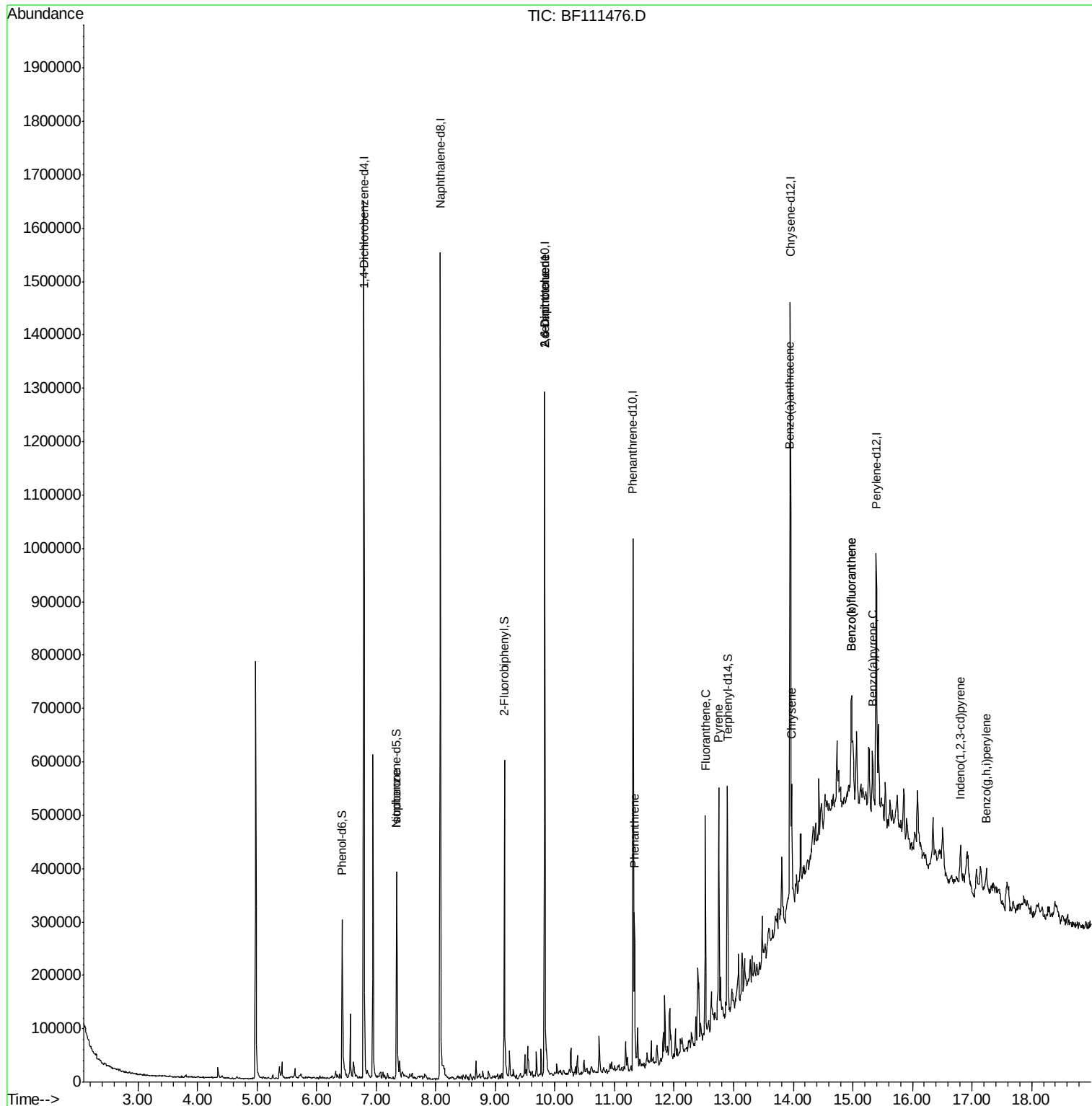
Target Compounds				Qvalue		
25) Isophorone	7.35	82	132065	6.892	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	35438	8.018	ng	# 30
57) 2,4-Dinitrotoluene	9.83	165	35618	6.140	ng	# 25
71) Phenanthrene	11.33	178	98052	4.745	ng	95
75) Fluoranthene	12.52	202	174906	8.652	ng	98
78) Pyrene	12.75	202	169308	6.990	ng	95
81) Benzo(a)anthracene	13.94	228	84438	4.520	ng	94
83) Chrysene	13.97	228	81968	4.165	ng	97
86) Indeno(1,2,3-cd)pyrene	16.81	276	35611	2.507	ng	# 89
88) Benzo(b)fluoranthene	14.98	252	110813	8.472	ng	# 92
89) Benzo(k)fluoranthene	14.98	252	110813	8.866	ng	# 91
90) Benzo(a)pyrene	15.33	252	57731	4.894	ng	# 91
92) Benzo(g,h,i)perylene	17.24	276	35534	3.891	ng	# 89

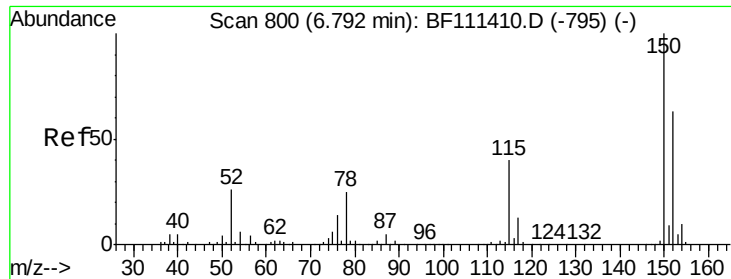
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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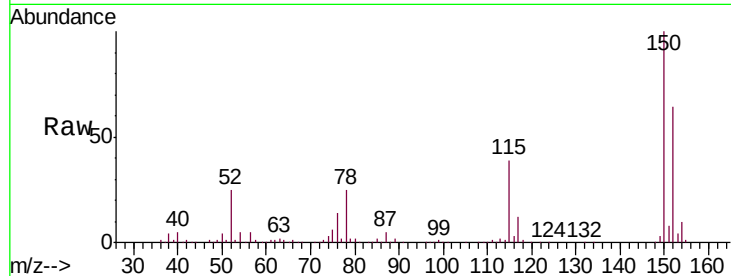


#1

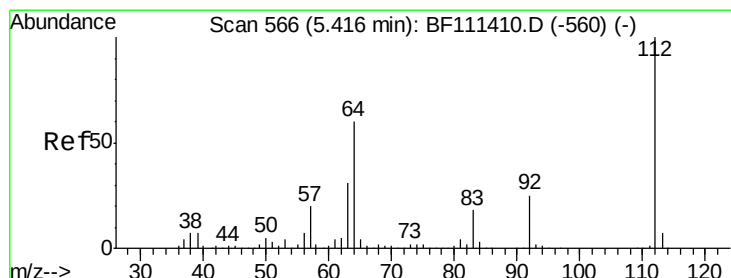
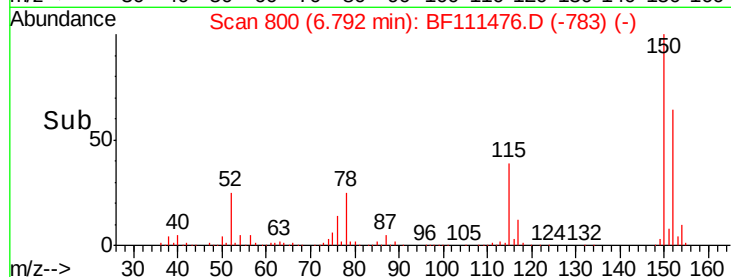
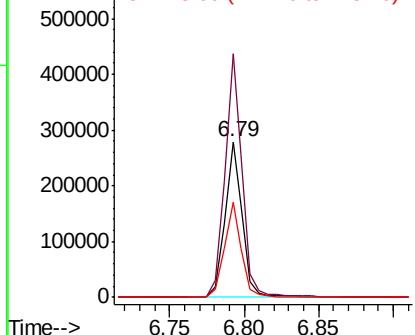
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF111476.D
 Acq: 15 Dec 2018 18:43

Instrument :
 BNA_F
 ClientSampleId :
 FP-SOIL-1RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.6	189.8
115	60.7	50.7	76.1



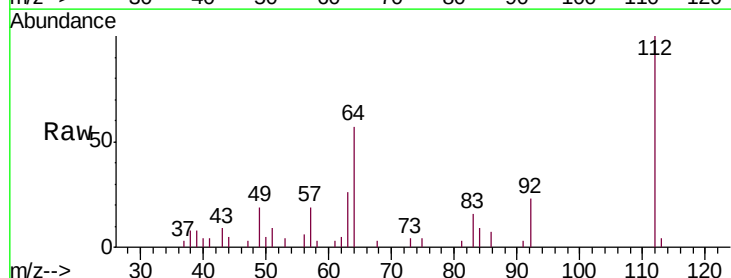
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



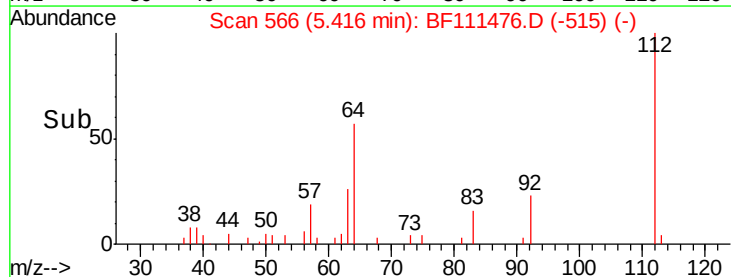
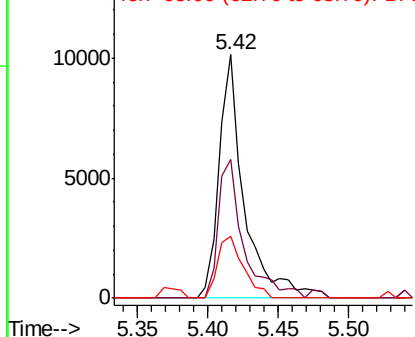
#5

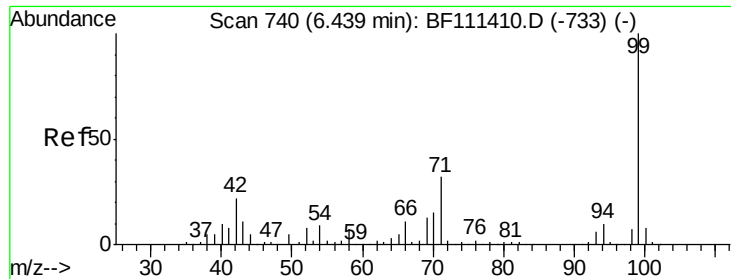
2-Fluorophenol
 Concen: 0.920 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF111476.D
 Acq: 15 Dec 2018 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	51.8	77.6
63	25.6	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: 6.121 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Instrument :

BNA_F

ClientSampleId :

FP-SOIL-1RE

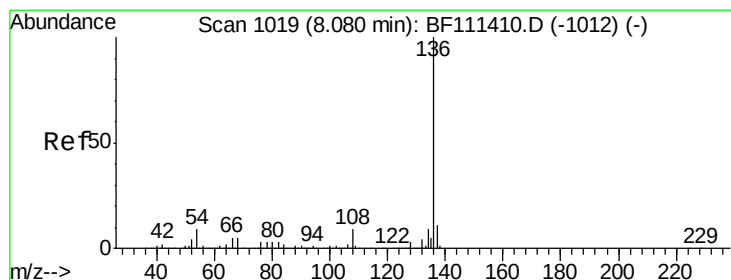
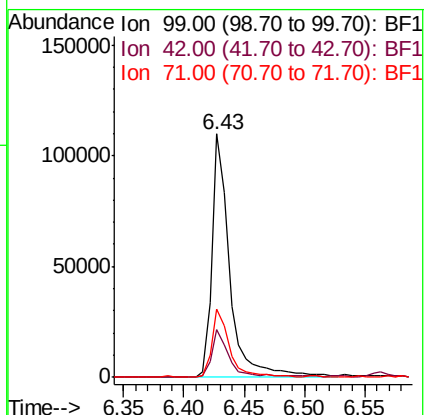
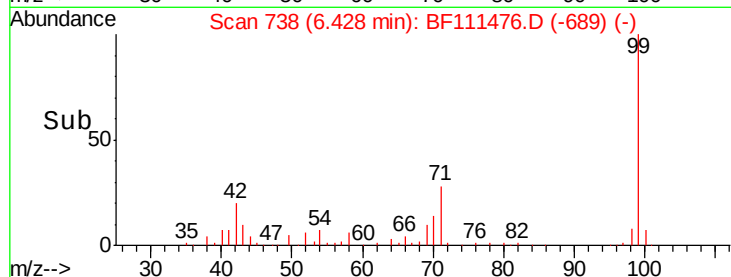
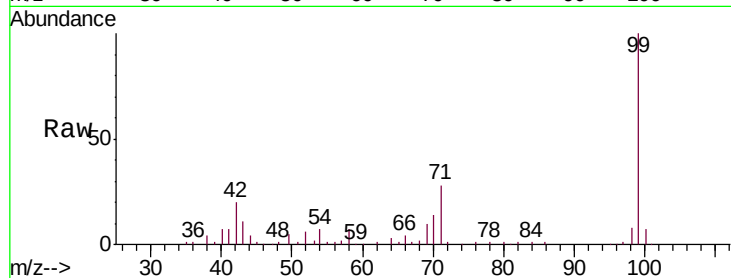
Tgt Ion: 99 Resp: 111823

Ion Ratio Lower Upper

99 100

42 19.6 17.4 26.0

71 28.0 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Tgt Ion: 136 Resp: 674363

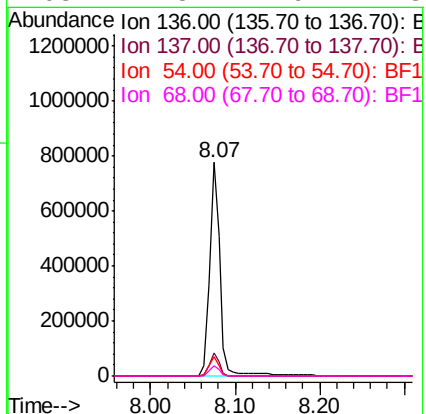
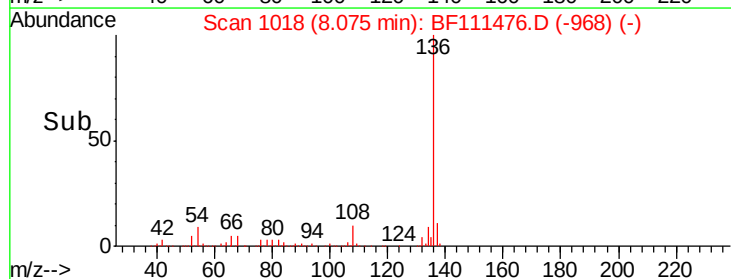
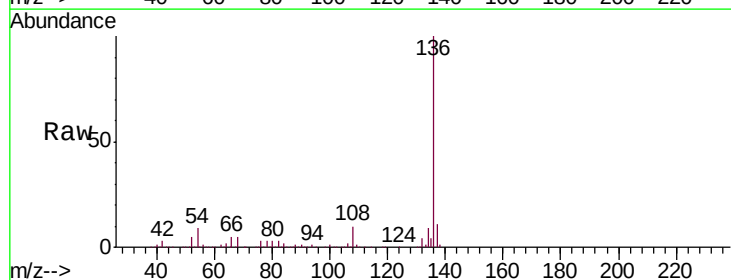
Ion Ratio Lower Upper

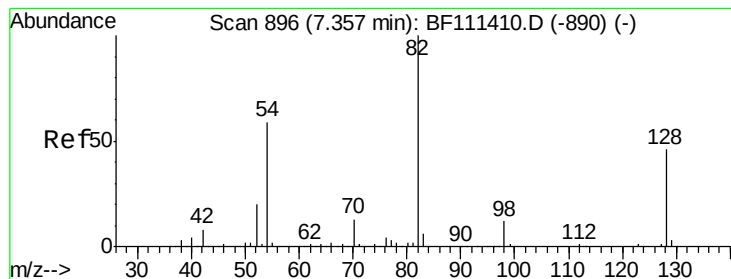
136 100

137 11.0 9.1 13.7

54 9.1 7.7 11.5

68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 11.662 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Instrument :

BNA_F

ClientSampleId :

FP-SOIL-1RE

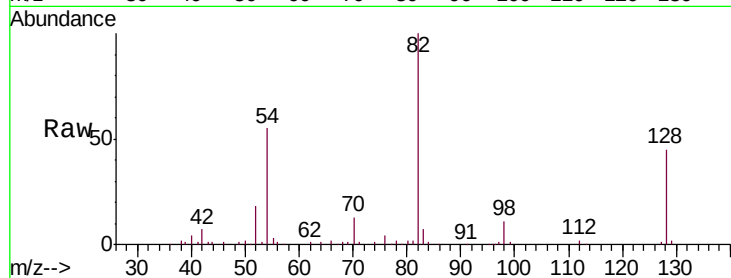
Tgt Ion: 82 Resp: 132066

Ion Ratio Lower Upper

82 100

128 44.8 37.4 56.2

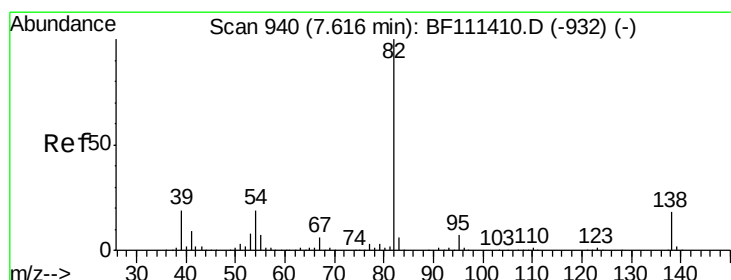
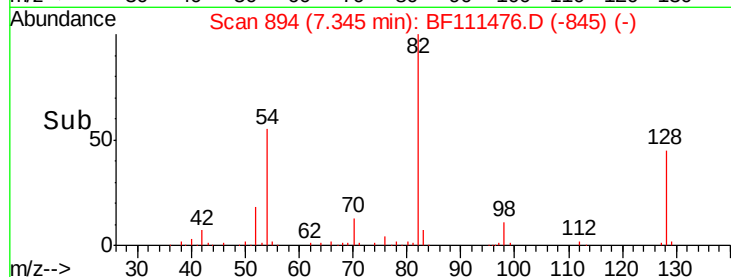
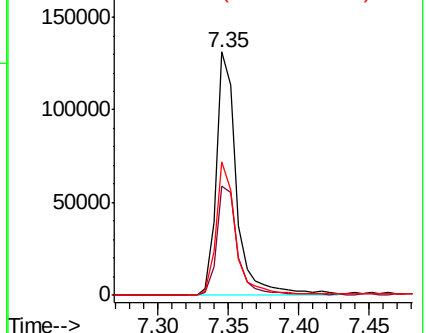
54 54.9 47.6 71.4



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: 6.892 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.27 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

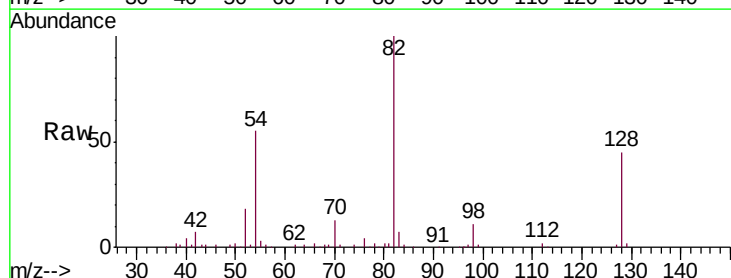
Tgt Ion: 82 Resp: 132065

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.2#

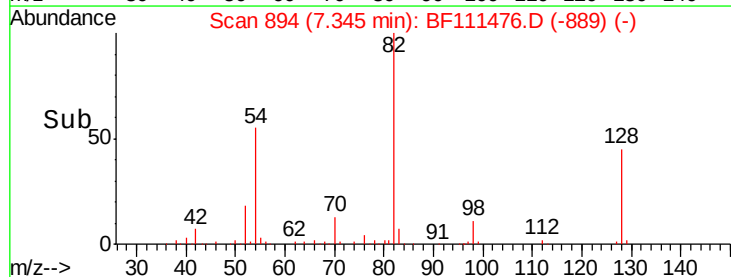
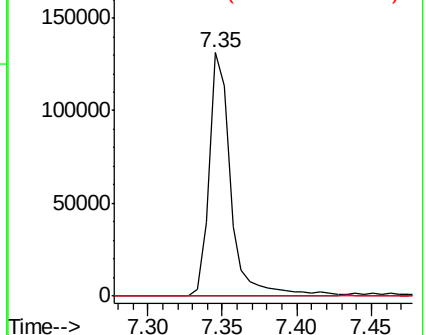
138 0.0 15.1 22.7#

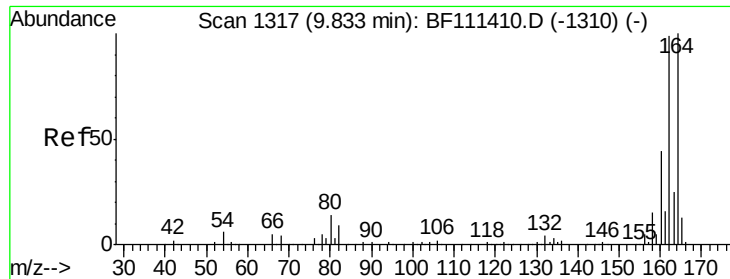


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

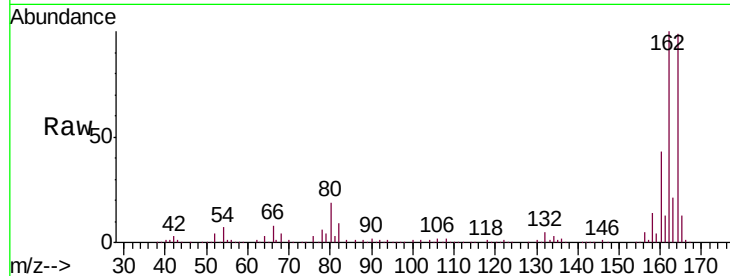




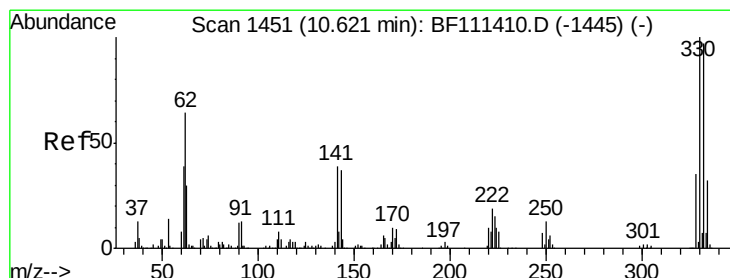
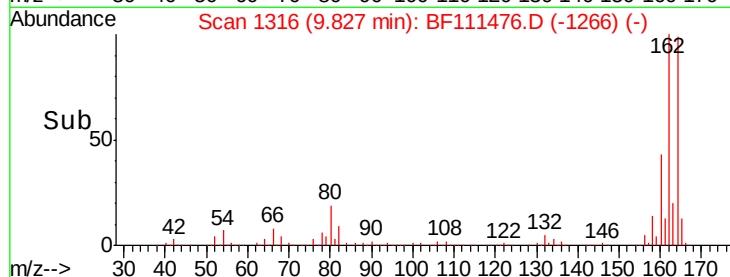
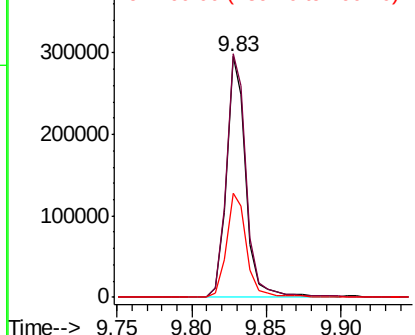
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

Tgt Ion:164 Resp: 272663
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.0
160 43.4 35.7 53.5

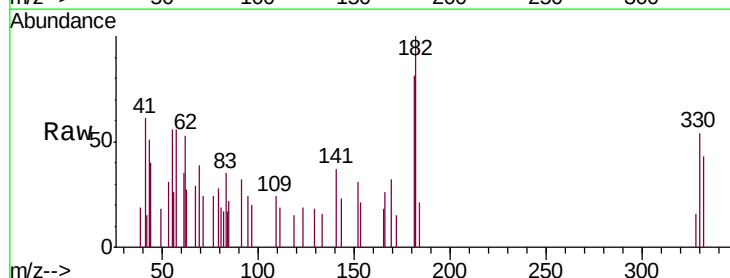


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

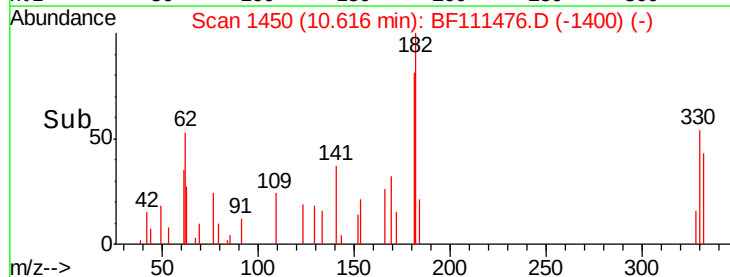
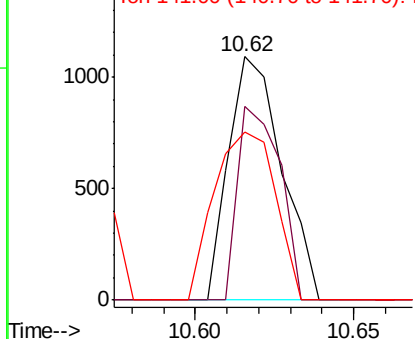


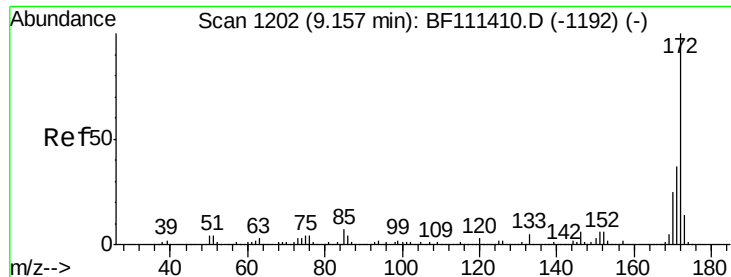
#42
2,4,6-Tribromophenol
Concen: 0.519 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Tgt Ion:330 Resp: 1268
Ion Ratio Lower Upper
330 100
332 63.0 76.0 114.0#
141 79.7 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

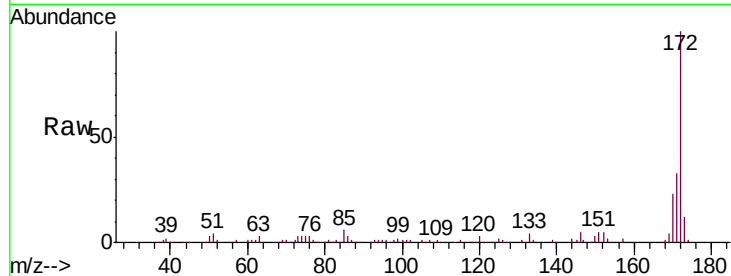




#45
 2-Fluorobiphenyl
 Concen: 11.387 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111476.D
 Acq: 15 Dec 2018 18:43

Instrument :
 BNA_F
 ClientSampleId :
 FP-SOIL-1RE

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	33.0	49.4
170	22.9	22.3	33.5

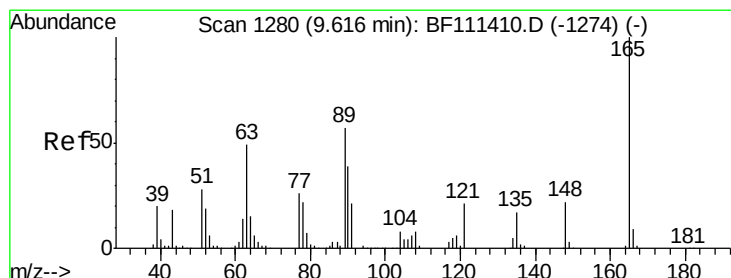
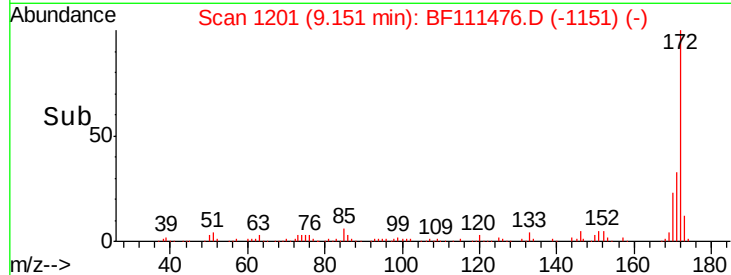
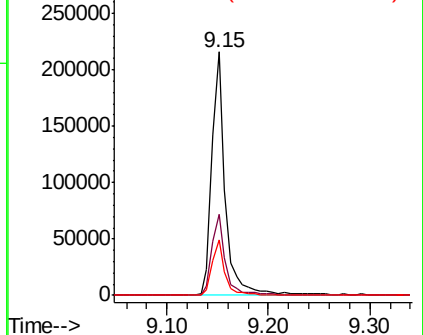


Abundance

Ion 172.00 (171.70 to 172.70): E

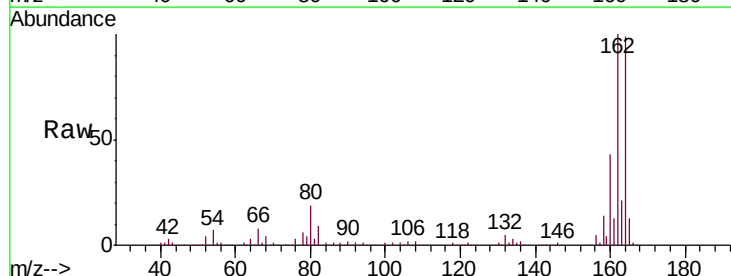
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 8.018 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111476.D
 Acq: 15 Dec 2018 18:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	1.5	40.0	60.0#

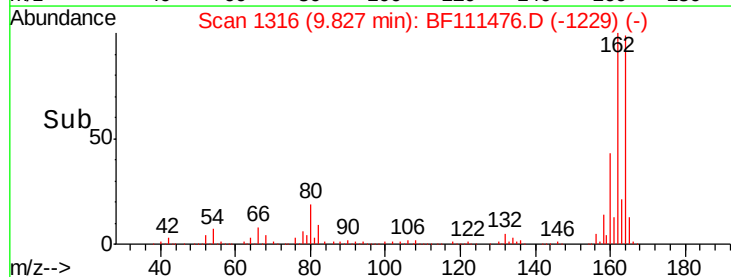
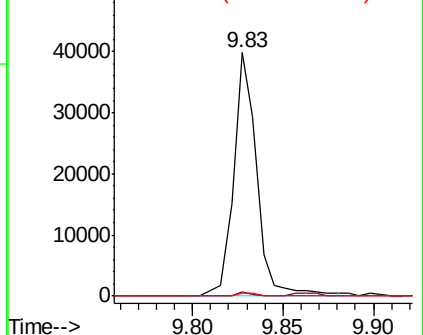


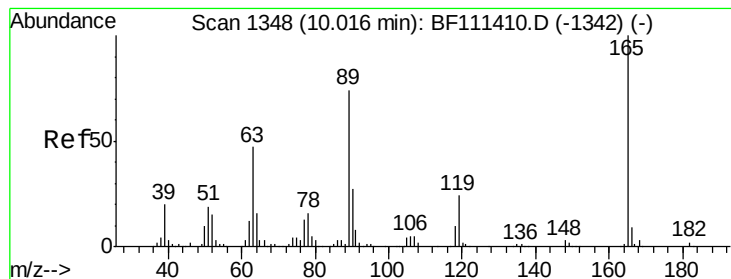
Abundance

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: 6.140 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Instrument :

BNA_F

ClientSampleId :

FP-SOIL-1RE

Tgt Ion:165 Resp: 35618

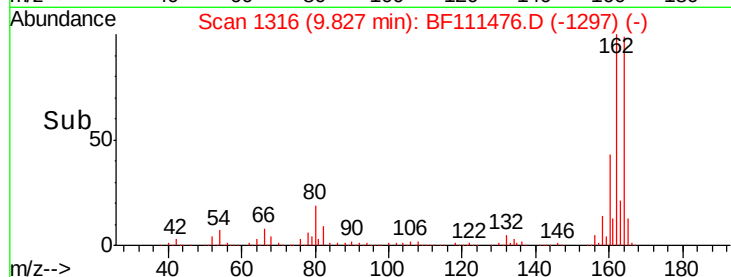
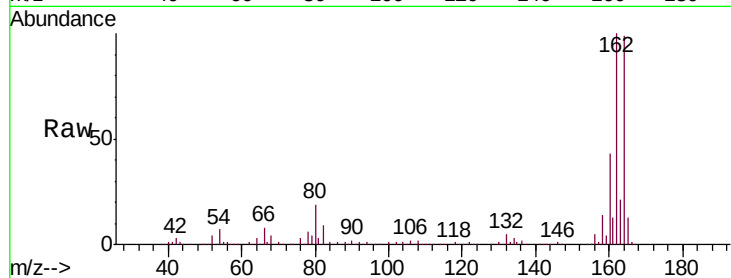
Ion Ratio Lower Upper

165 100

63 1.9 34.6 52.0#

89 1.5 56.2 84.4#

182 0.0 1.8 2.6#

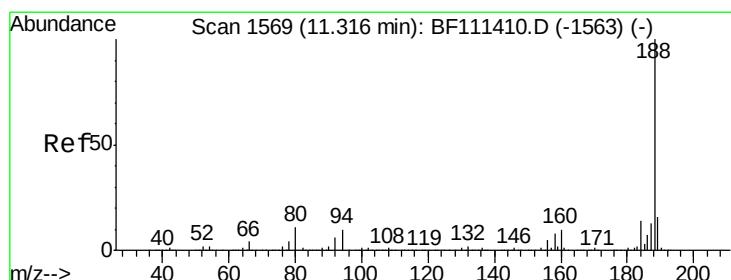
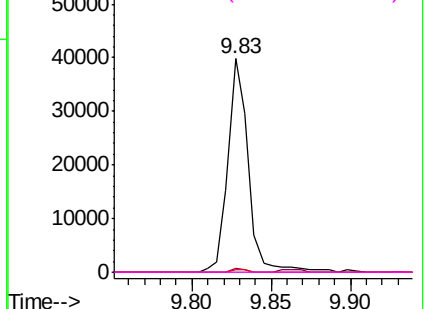


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

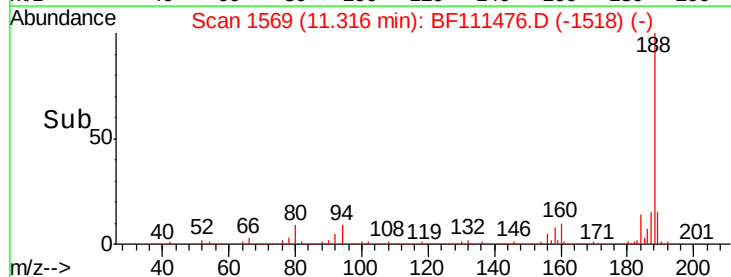
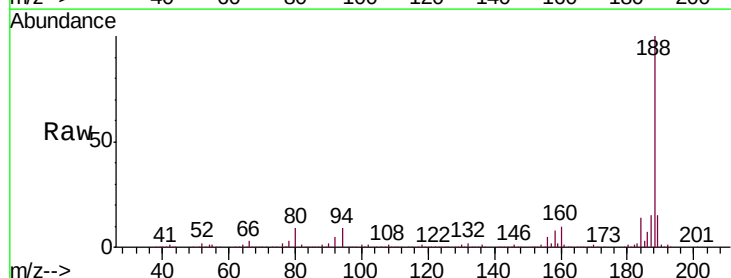
Tgt Ion:188 Resp: 401030

Ion Ratio Lower Upper

188 100

94 8.5 9.6 14.4#

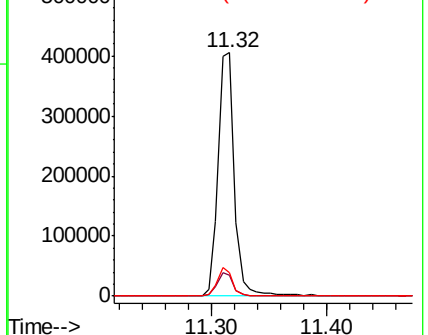
80 9.4 9.8 14.6#

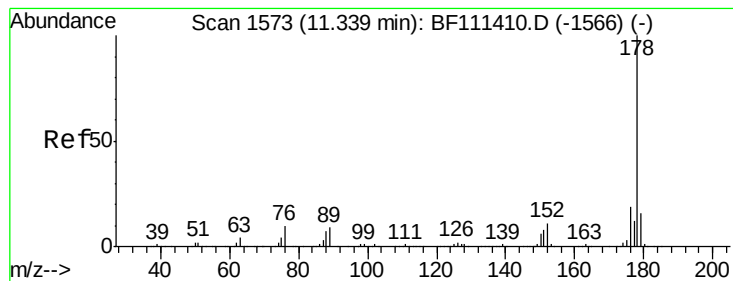


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 4.745 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Instrument :

BNA_F

ClientSampleId :

FP-SOIL-1RE

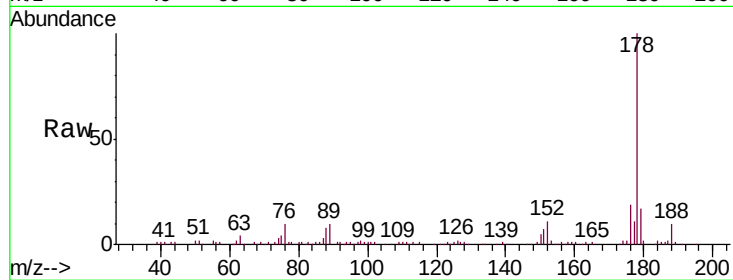
Tgt Ion:178 Resp: 98052

Ion Ratio Lower Upper

178 100

176 19.2 18.1 27.1

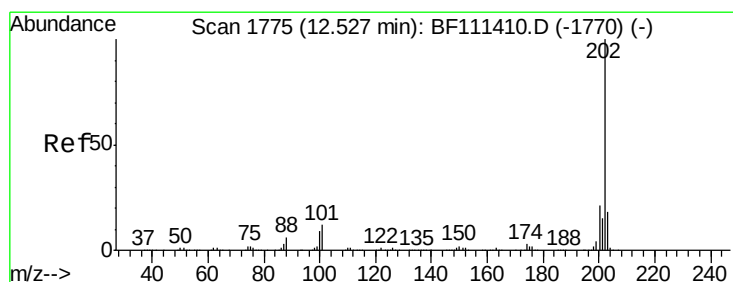
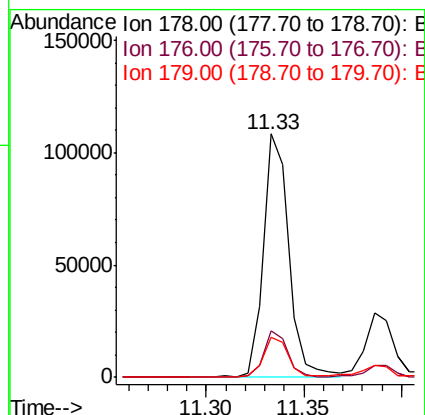
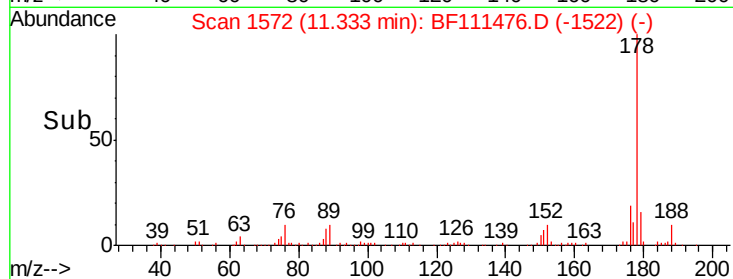
179 16.7 14.0 21.0



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: 8.652 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

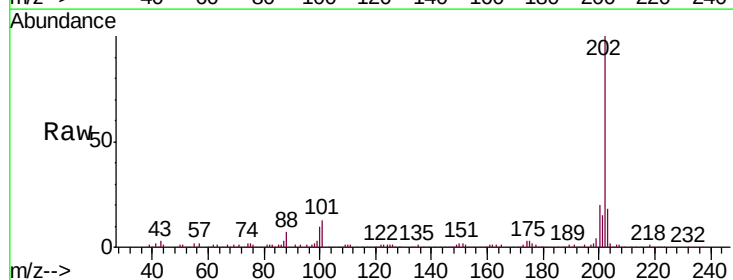
Tgt Ion:202 Resp: 174906

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.8

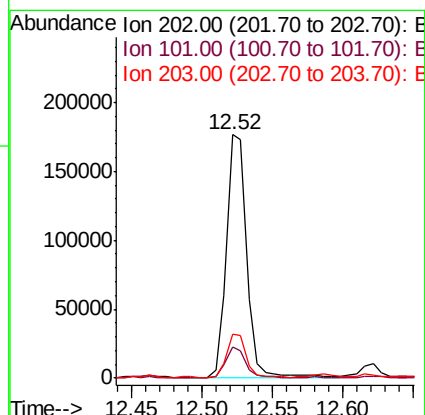
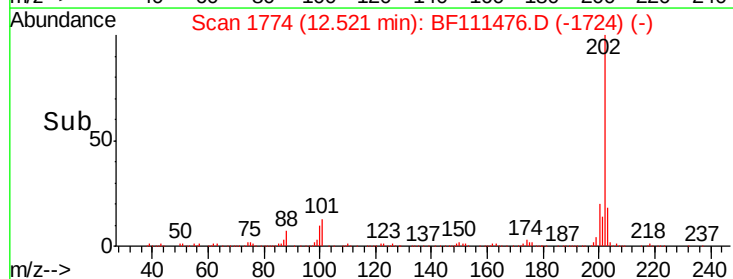
203 17.9 0.0 38.6

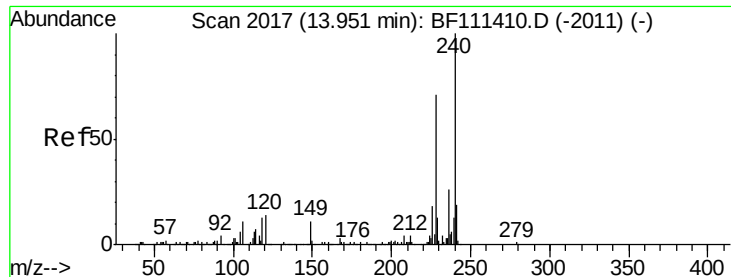


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

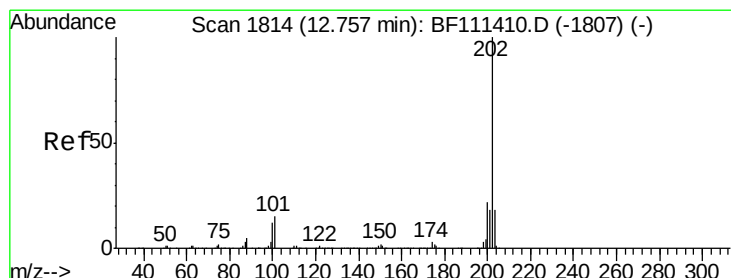
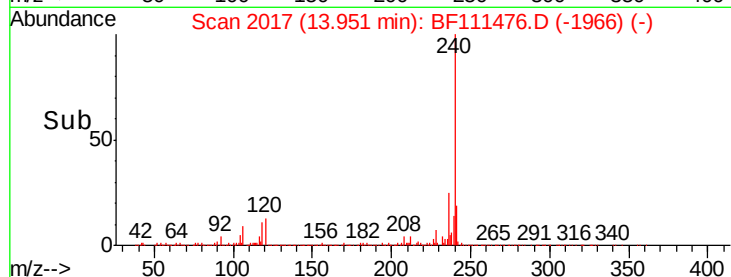
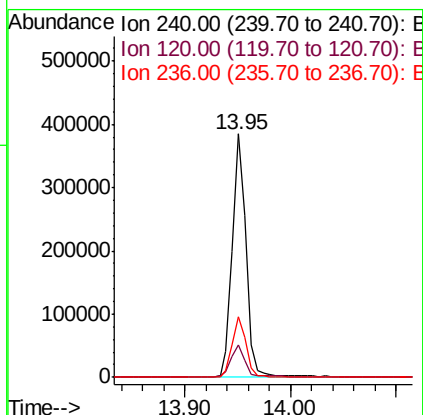
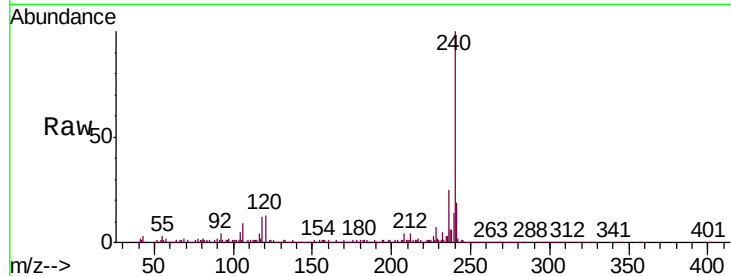




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

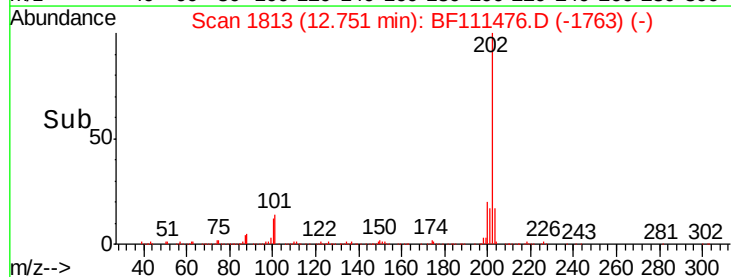
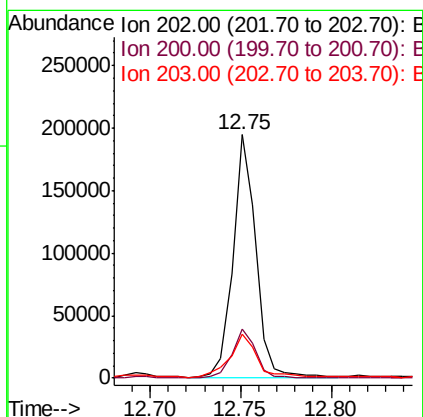
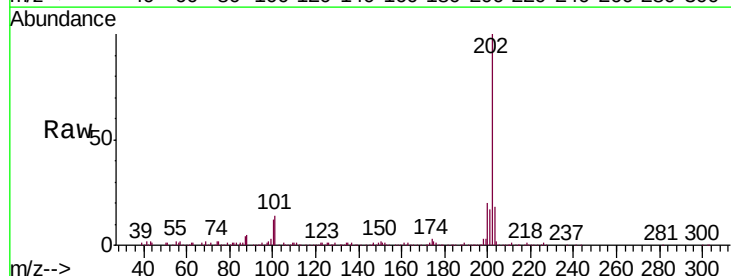
Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

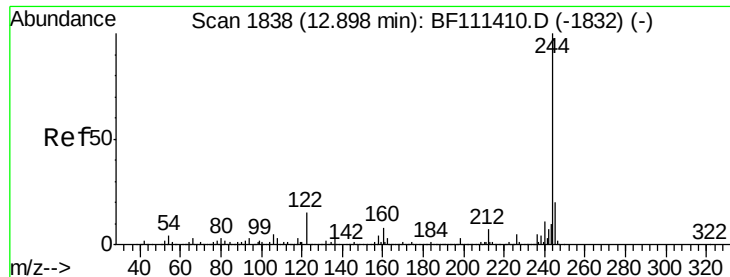
Tgt Ion:240 Resp: 343557
Ion Ratio Lower Upper
240 100
120 13.3 12.2 18.2
236 24.8 20.2 30.2



#78
Pyrene
Concen: 6.990 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Tgt Ion:202 Resp: 169308
Ion Ratio Lower Upper
202 100
200 20.0 19.0 28.4
203 17.9 15.2 22.8





#79

Terphenyl-d14

Concen: 9.977 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Instrument :

BNA_F

ClientSampleId :

FP-SOIL-1RE

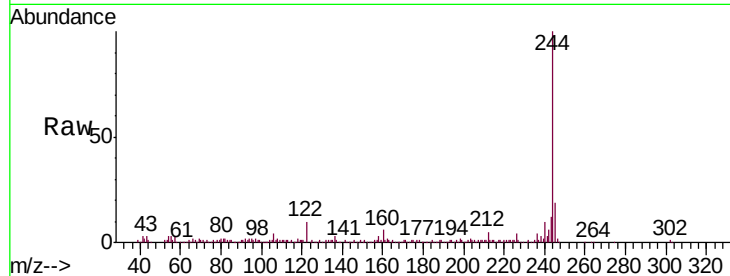
Tgt Ion:244 Resp: 145975

Ion Ratio Lower Upper

244 100

212 5.5 5.7 8.5#

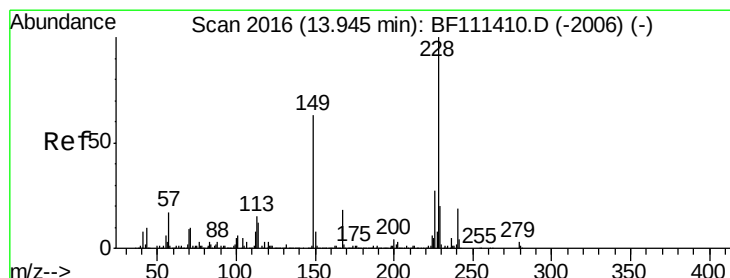
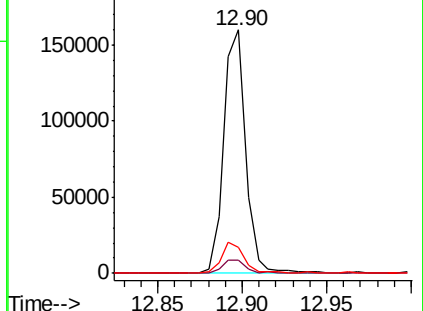
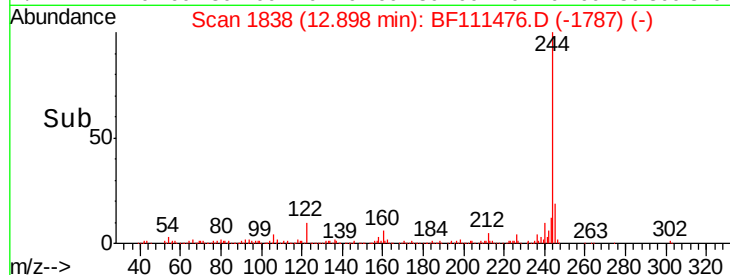
122 10.5 13.1 19.7#



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: 4.520 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

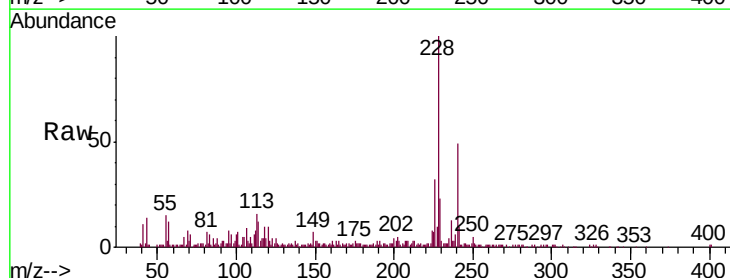
Tgt Ion:228 Resp: 84438

Ion Ratio Lower Upper

228 100

226 31.7 22.6 34.0

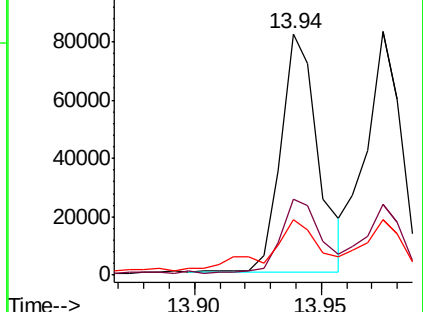
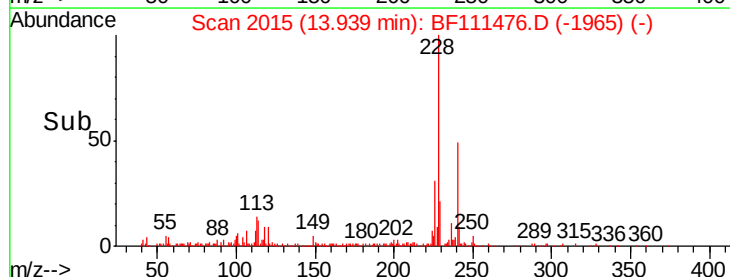
229 22.9 16.3 24.5

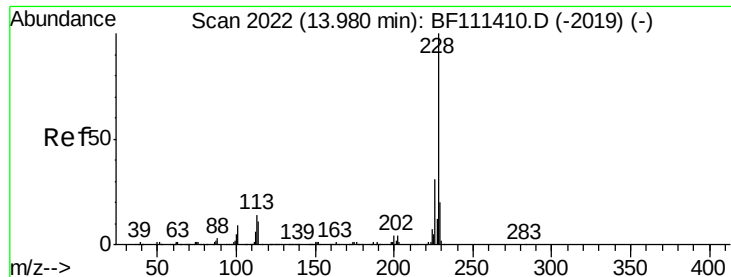


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

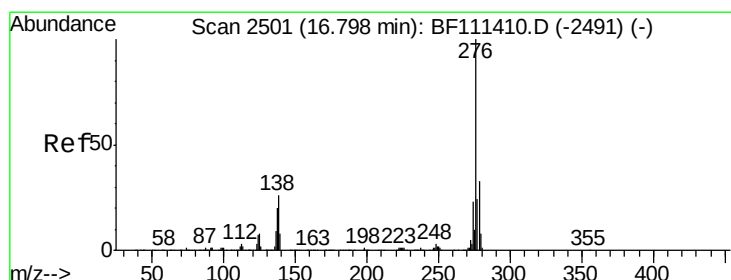
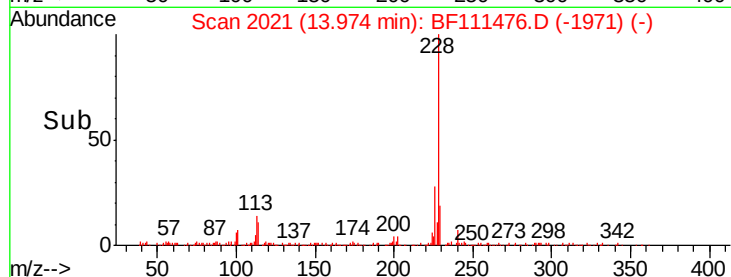
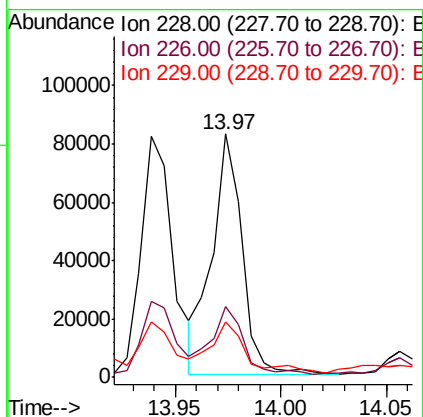
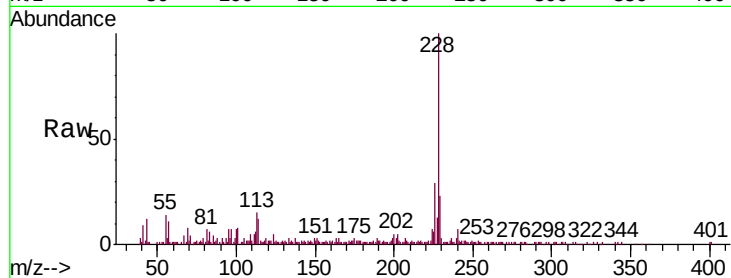




#83
Chrysene
Concen: 4.165 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

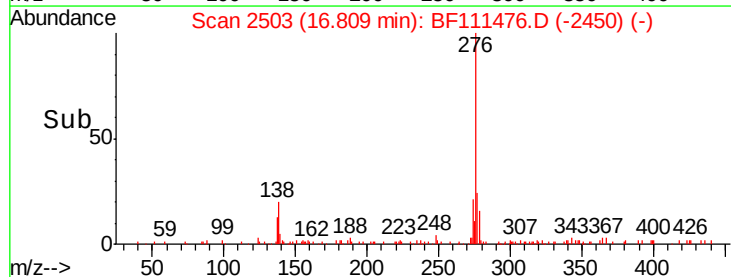
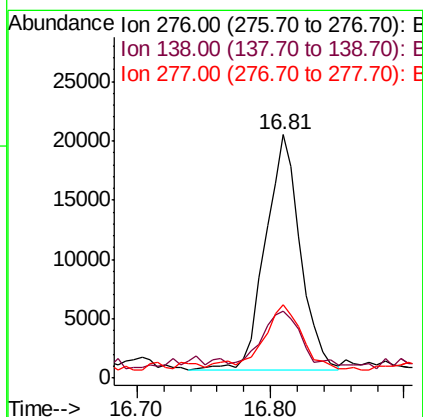
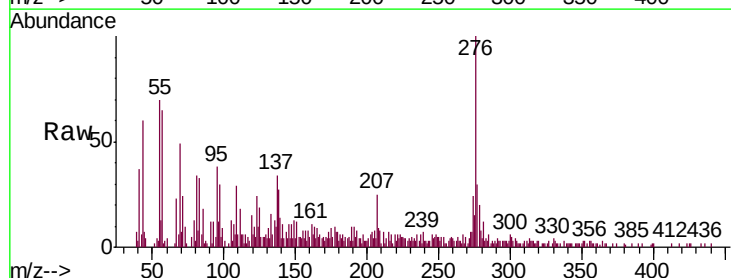
Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

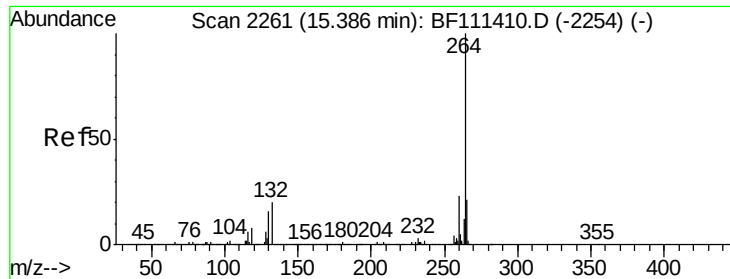
Tgt Ion: 228 Resp: 81968
Ion Ratio Lower Upper
228 100
226 29.2 25.3 37.9
229 22.6 17.2 25.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.507 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Tgt Ion: 276 Resp: 35611
Ion Ratio Lower Upper
276 100
138 28.1 27.8 41.6
277 30.9 20.1 30.1#

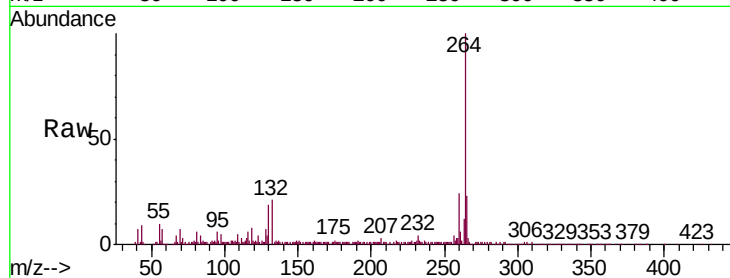




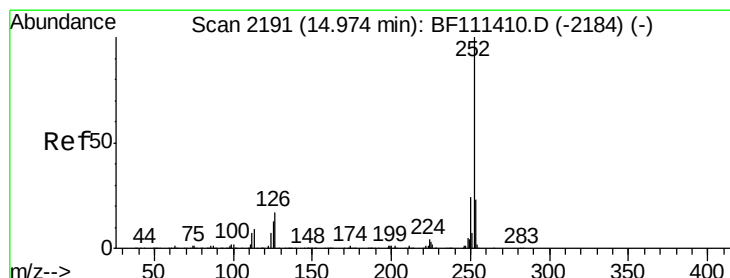
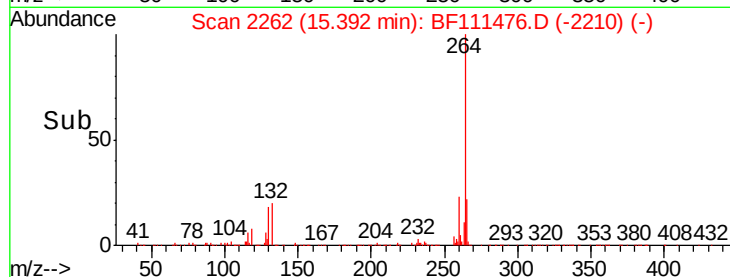
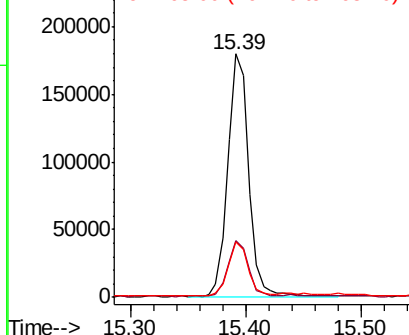
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

Tgt Ion:264 Resp: 224360
Ion Ratio Lower Upper
264 100
260 23.5 18.3 27.5
265 22.7 17.7 26.5

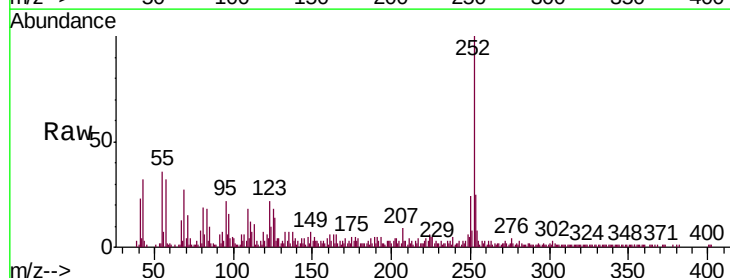


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

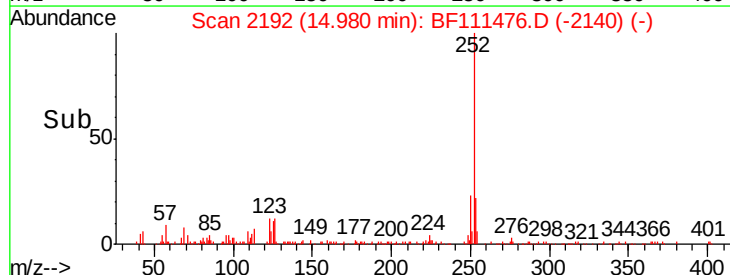
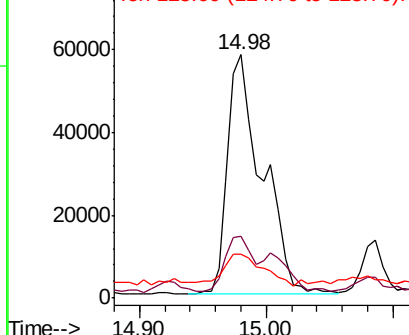


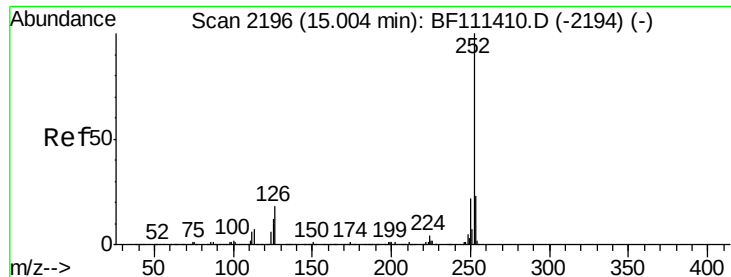
#88
Benzo(b)fluoranthene
Concen: 8.472 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Tgt Ion:252 Resp: 110813
Ion Ratio Lower Upper
252 100
253 25.4 18.2 27.2
125 17.9 10.4 15.6#



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

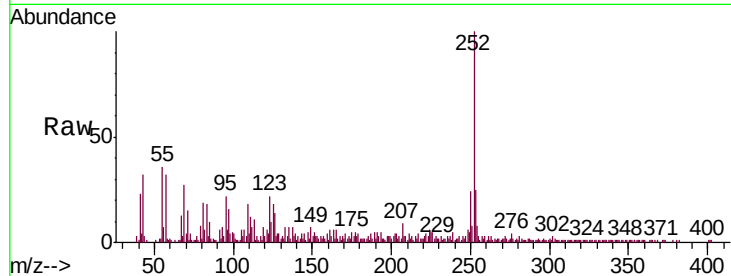




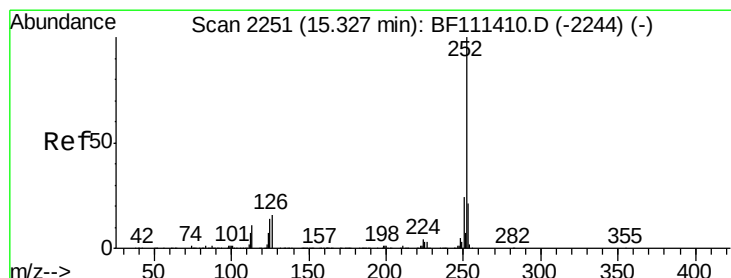
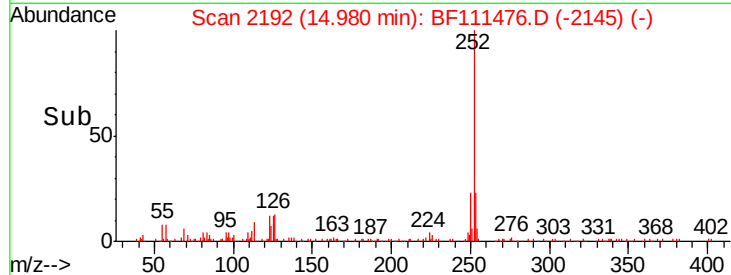
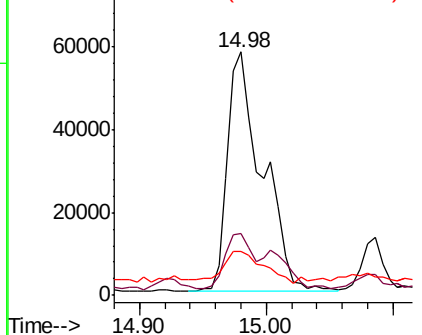
#89
 Benzo(k)fluoranthene
 Concen: 8.866 ng
 RT: 14.98 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BF111476.D
 Acq: 15 Dec 2018 18:43

Instrument :
 BNA_F
 ClientSampleId :
 FP-SOIL-1RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	17.9	9.8	14.8

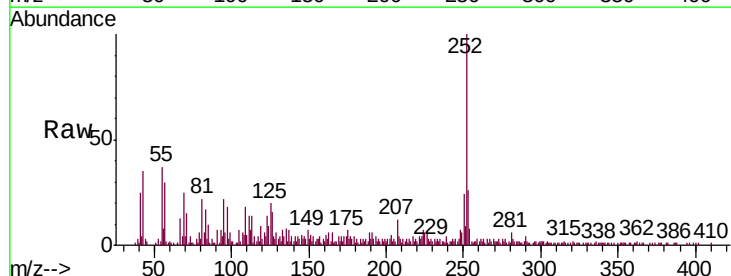


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

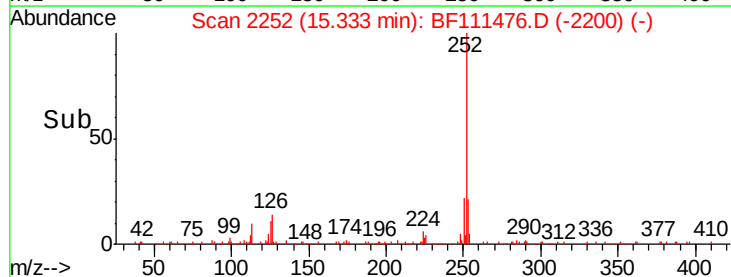
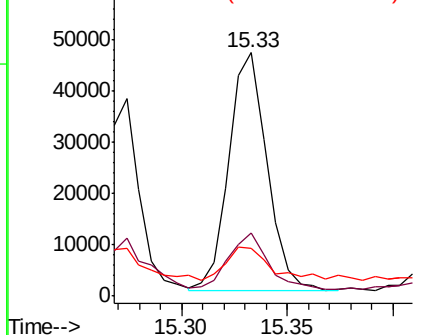


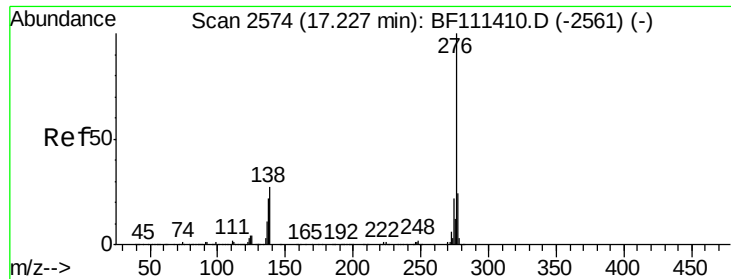
#90
 Benzo(a)pyrene
 Concen: 4.894 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF111476.D
 Acq: 15 Dec 2018 18:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.8	26.8
125	19.7	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: 3.891 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.02 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Instrument :

BNA_F

ClientSampleId :

FP-SOIL-1RE

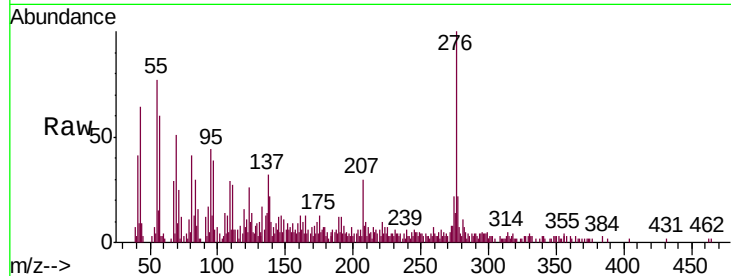
Tgt Ion: 276 Resp: 35534

Ion Ratio Lower Upper

276 100

277 21.9 19.2 28.8

138 21.8 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

