

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 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

Manual Integrations
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 12/17/2018 3:12:19 PM

Quant Time: Dec 16 01:45:51 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						
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	86972m	6.649	ng	
89) Benzo(k)fluoranthene	15.00	252	25395m	2.032	ng	
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

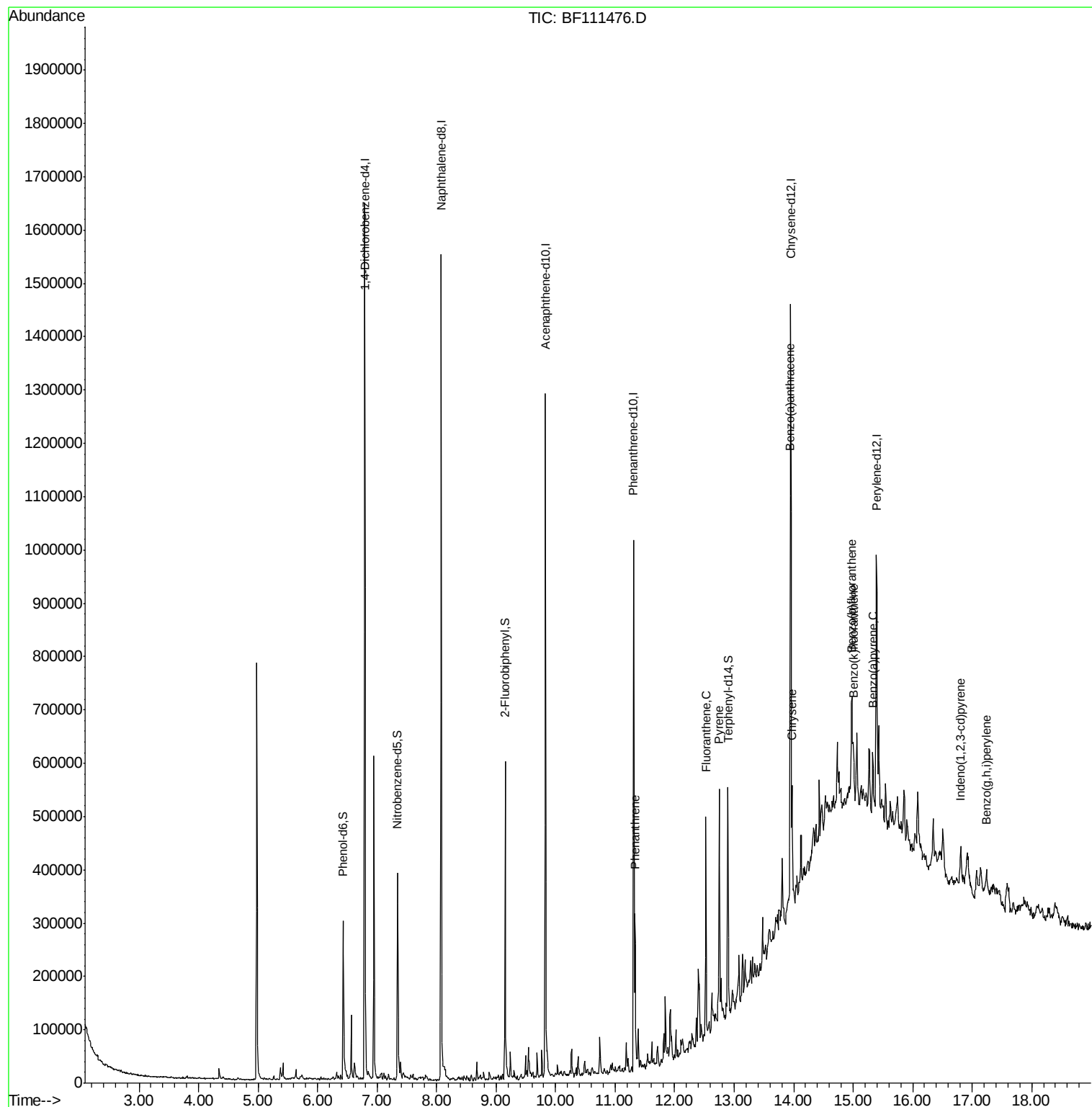
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111476.D
Acq On : 15 Dec 2018 18:43
Operator : JU/SJ
Sample : J6372-01RE 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

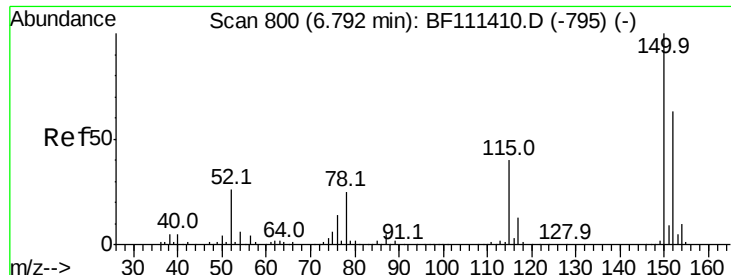
Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

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Quant Time: Dec 16 01:45:51 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





#1

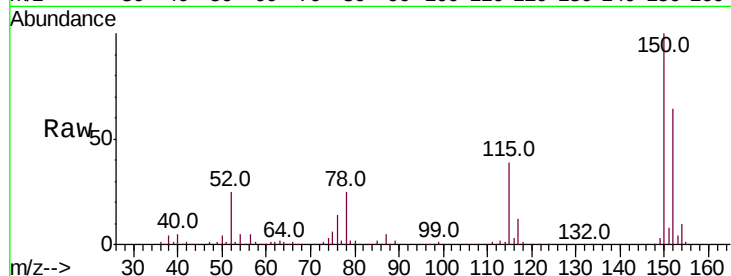
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

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

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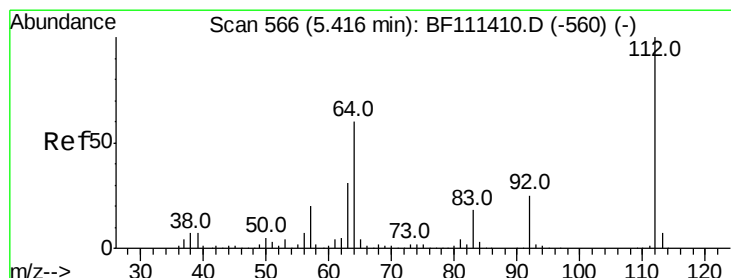
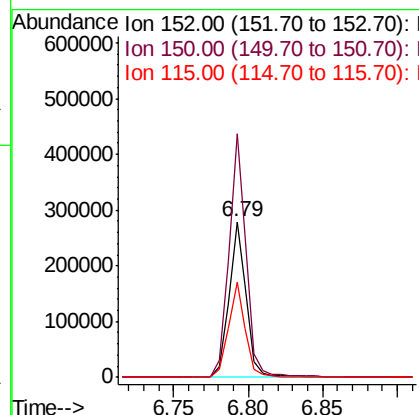
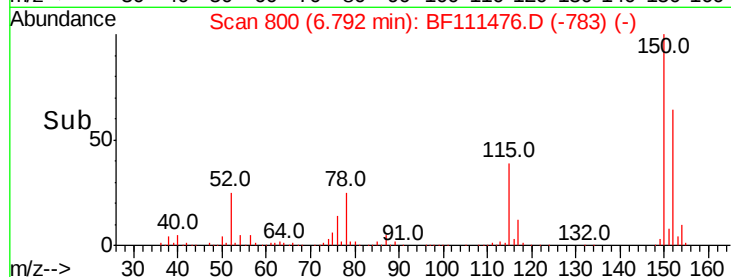


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

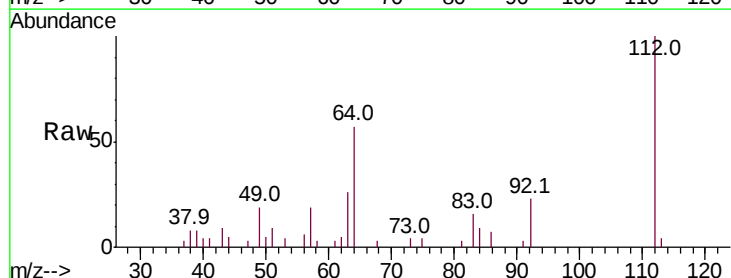
Ion 115.00 (114.70 to 115.70): E



#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

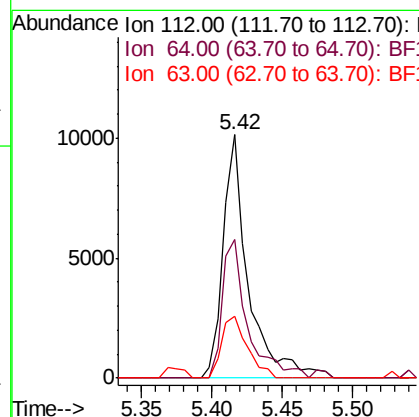
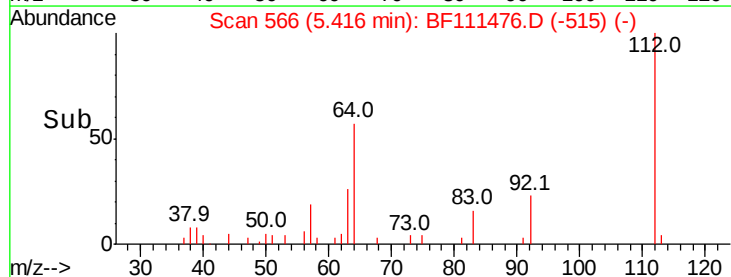


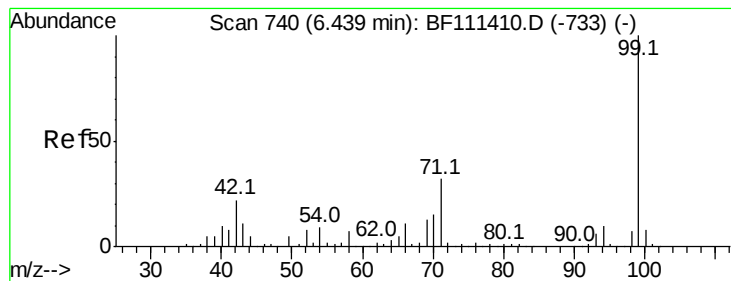
Abundance

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

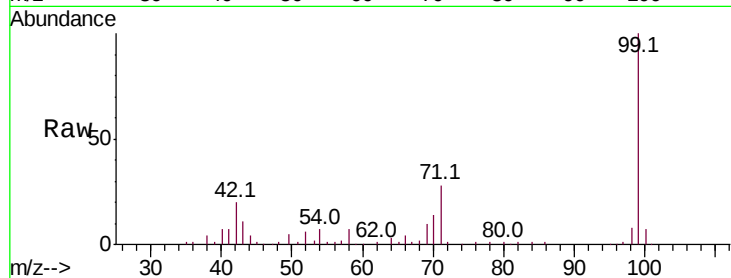
ClientSampled :

FP-SOIL-1RE

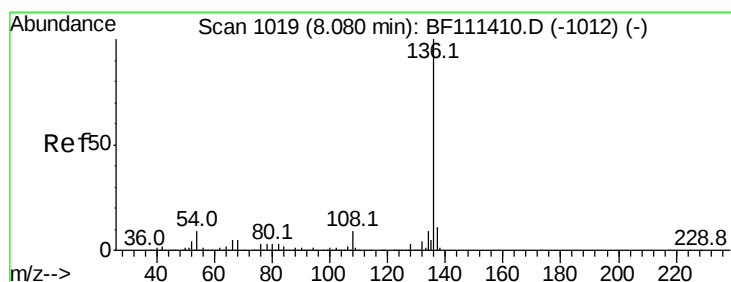
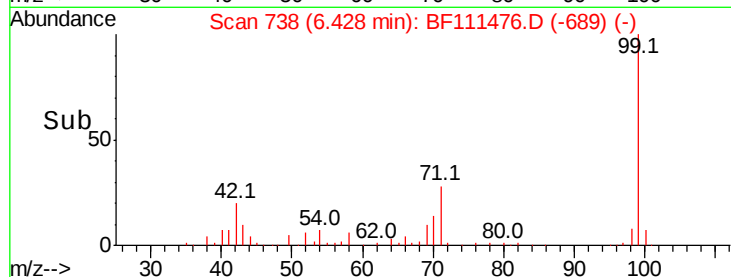
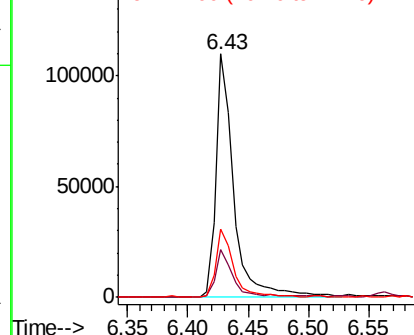
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		111823		
42	19.6	17.4	26.0		
71	28.0	26.1	39.1		

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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

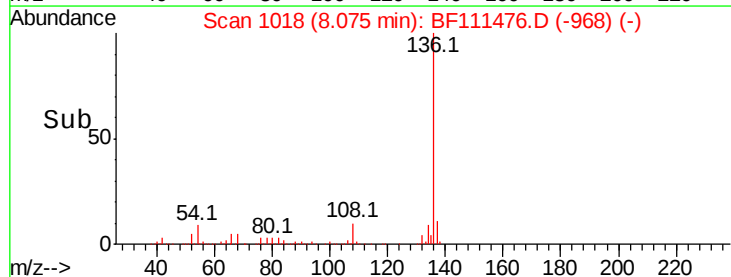
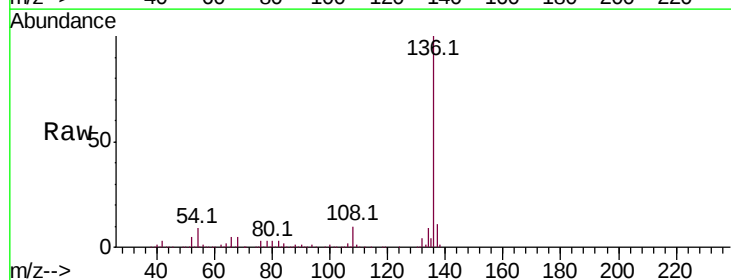
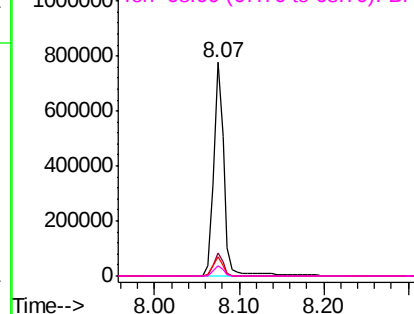
Delta R.T. -0.01 min

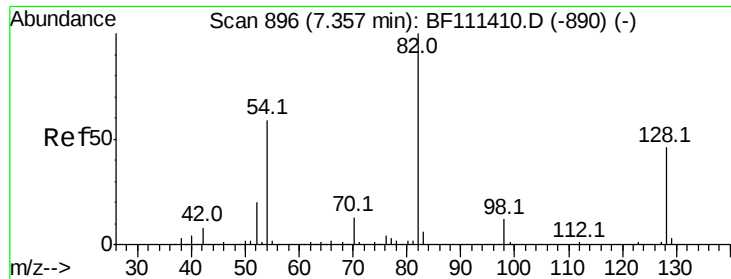
Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		674363		
137	11.0	9.1	13.7		
54	9.1	7.7	11.5		
68	4.8	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





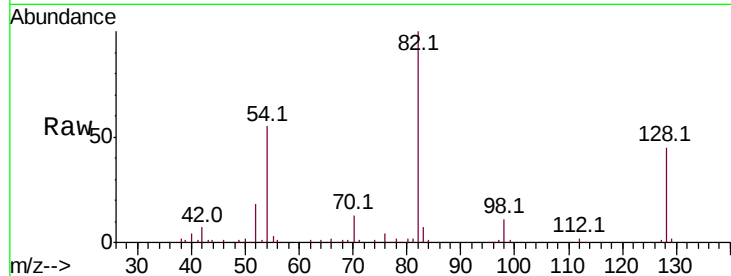
#23
Nitrobenzene-d5
Concen: 11.662 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

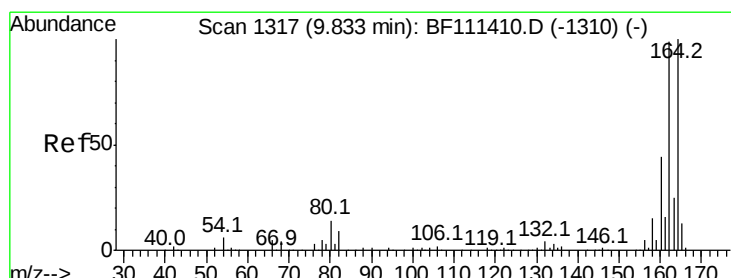
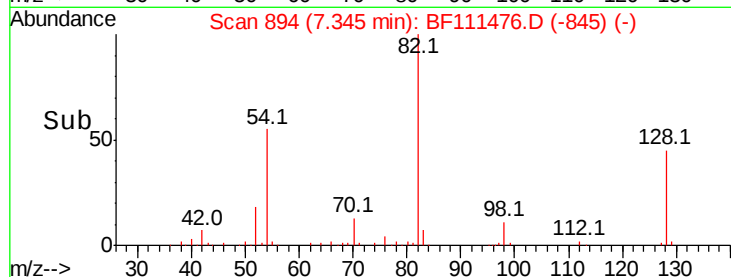
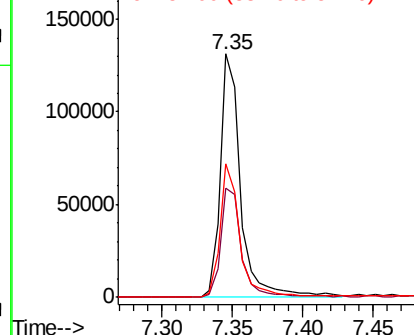
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.4	56.2
54	54.9	47.6	71.4

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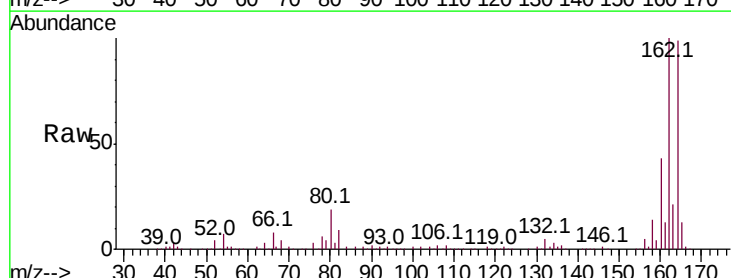


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

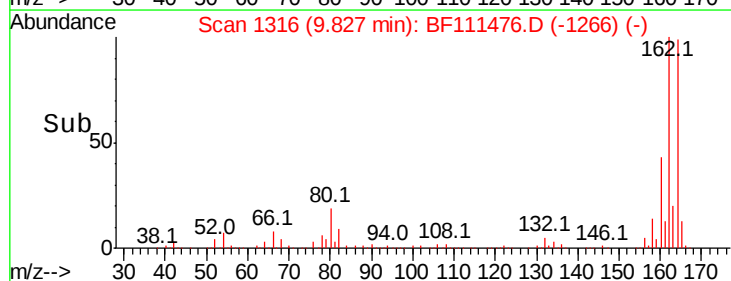
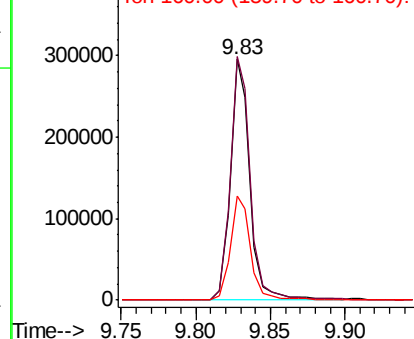


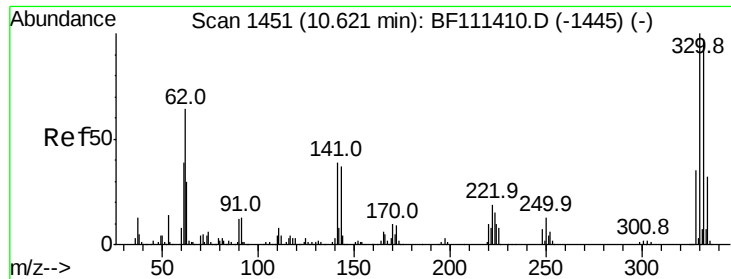
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Tgt 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





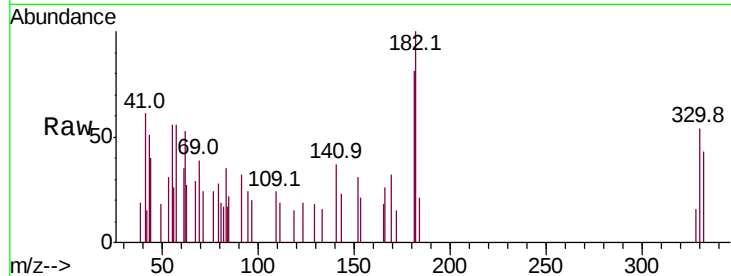
#42
 2,4,6-Tribromophenol
 Concen: 0.519 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111476.D
 Acq: 15 Dec 2018 18:43

Instrument :
 BNA_F
 ClientSampleId :
 FP-SOIL-1RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	63.0	76.0	114.0#
141	79.7	31.0	46.6#

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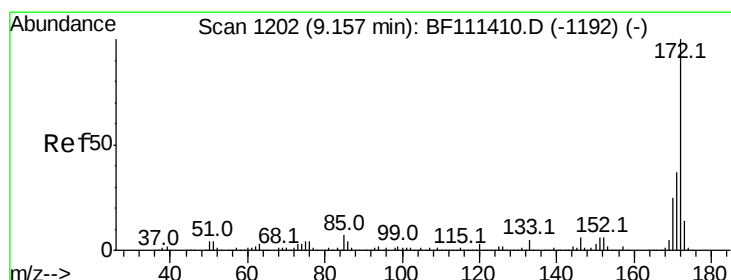
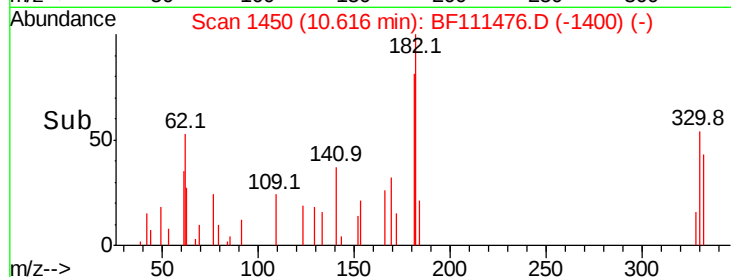
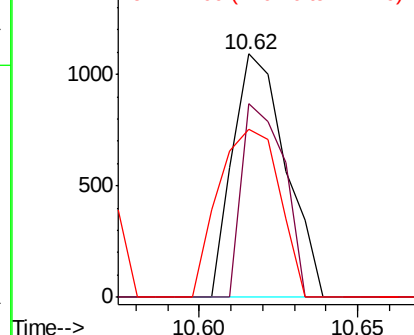


Abundance

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

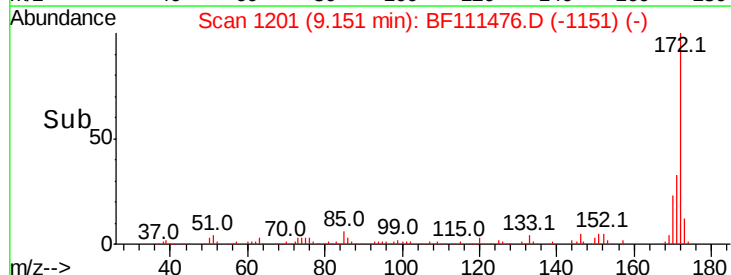
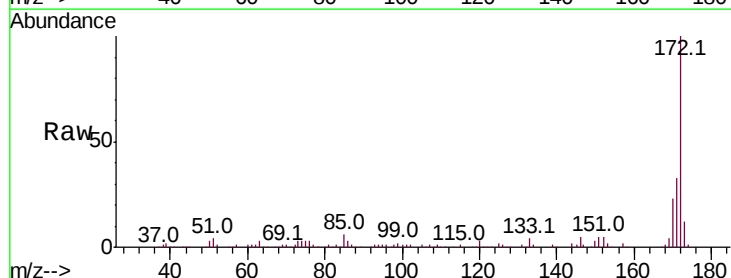
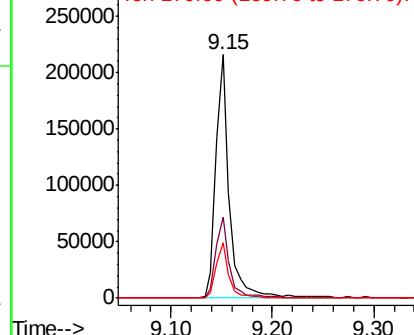
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	33.0	49.4
170	22.9	22.3	33.5

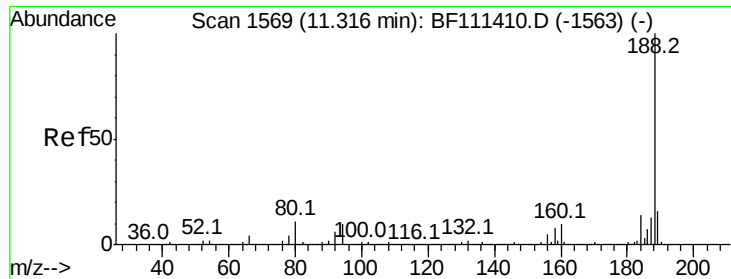
Abundance

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





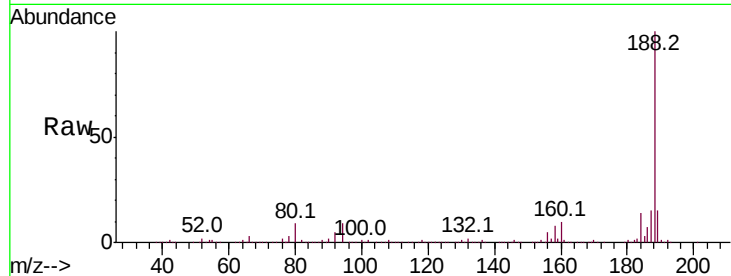
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampled :
FP-SOIL-1RE

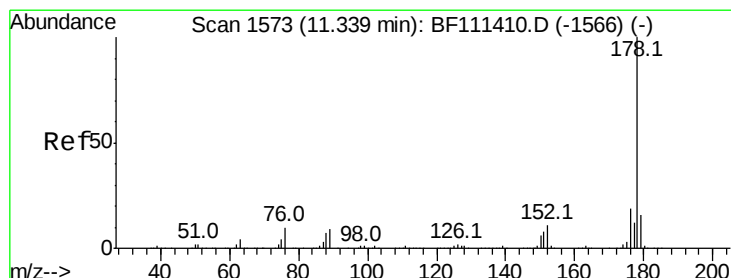
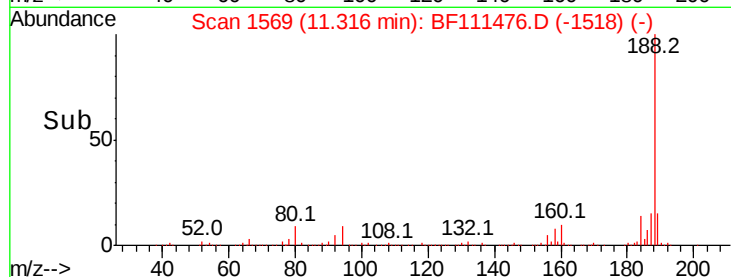
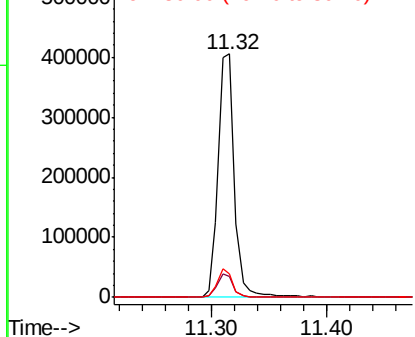
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	9.6	14.4#
80	9.4	9.8	14.6#

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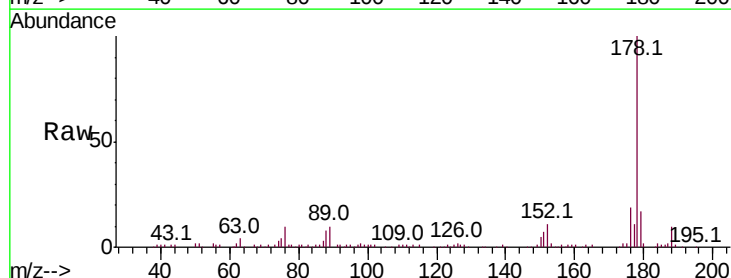


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

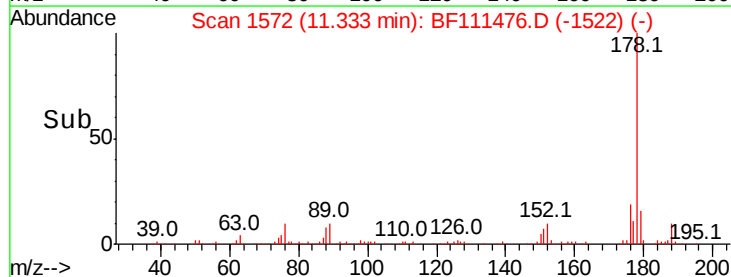
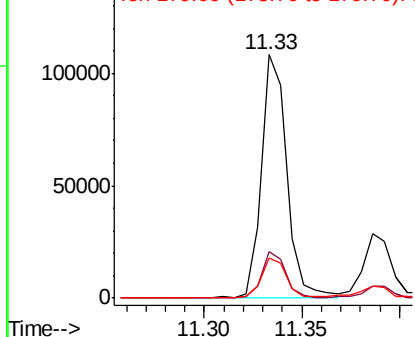


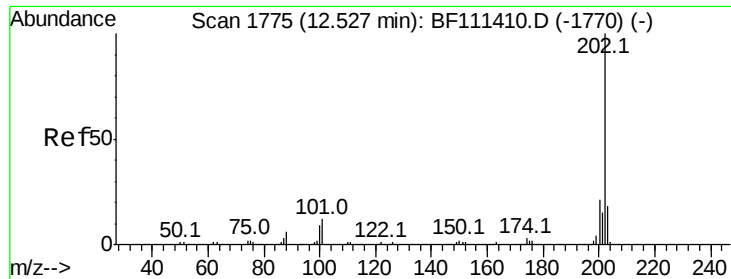
#71
Phenanthrene
Concen: 4.745 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Tgt Ion	Ratio	Resp 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

Instrument :

BNA_F

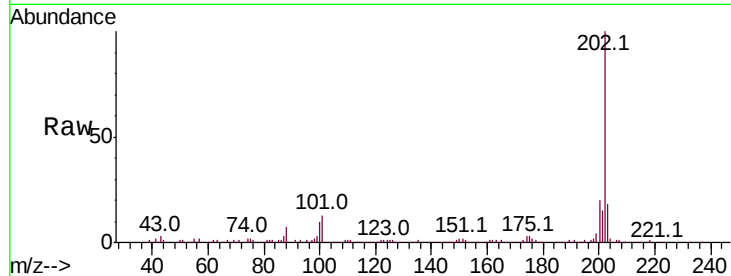
ClientSampleId :

FP-SOIL-1RE

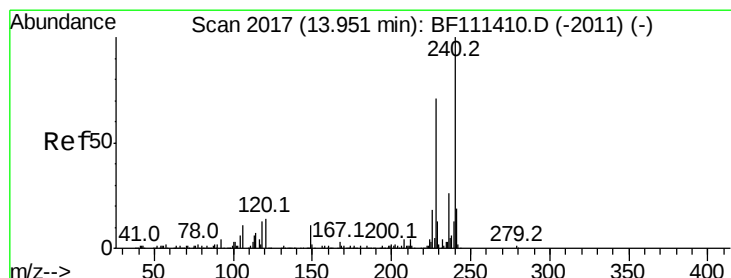
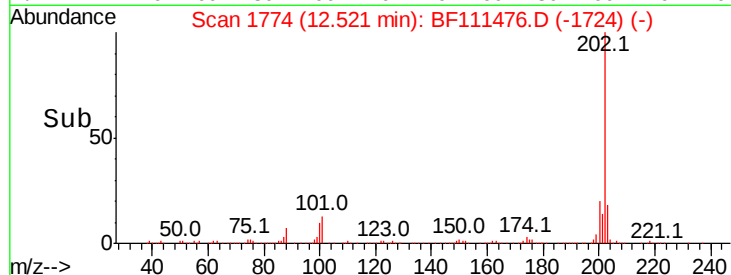
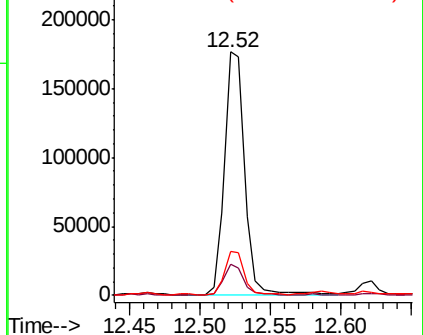
Tot Ion:	202	Resp:	174906
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	33.8
203	17.9	0.0	38.6

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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

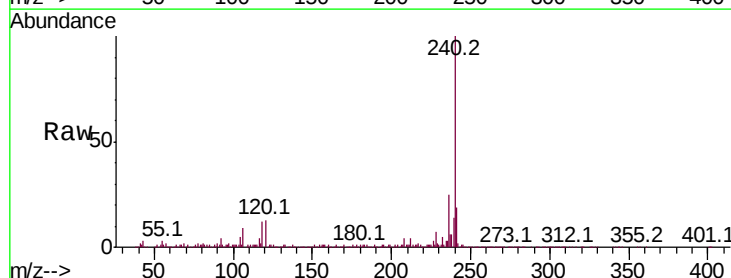
RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

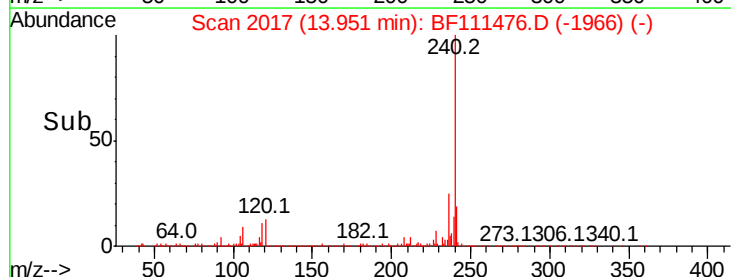
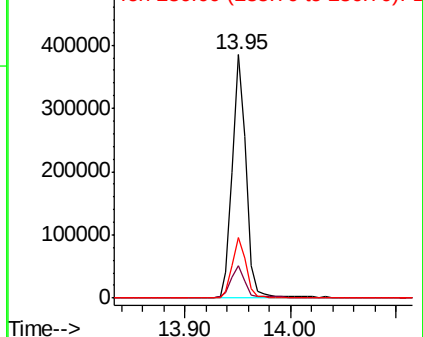
Lab File: BF111476.D

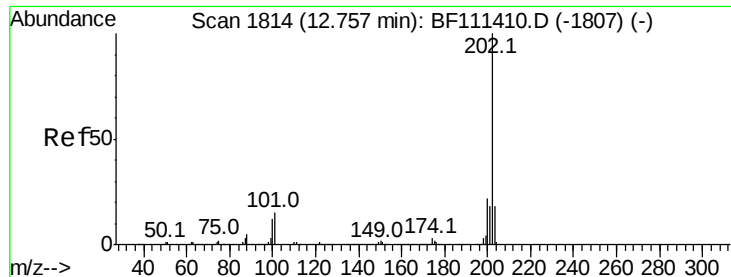
Acq: 15 Dec 2018 18:43

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



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





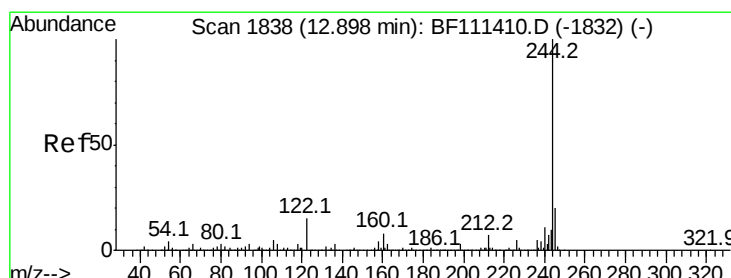
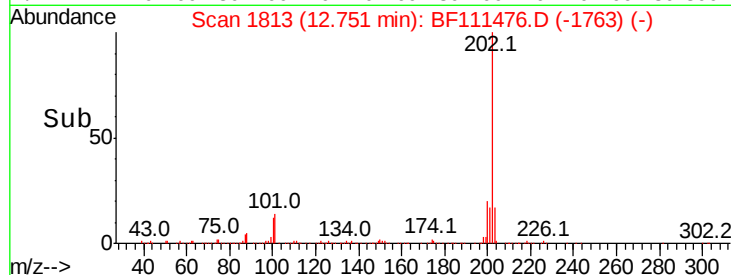
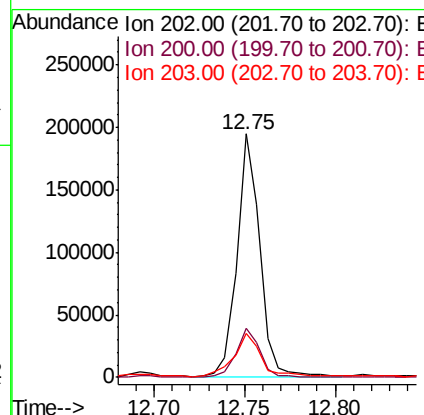
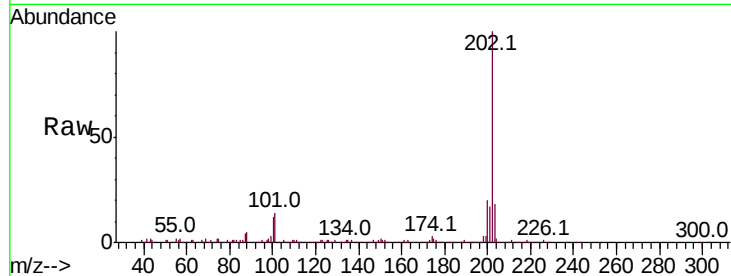
#78
Pvrene
Concen: 6.990 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	19.0	28.4
203	17.9	15.2	22.8

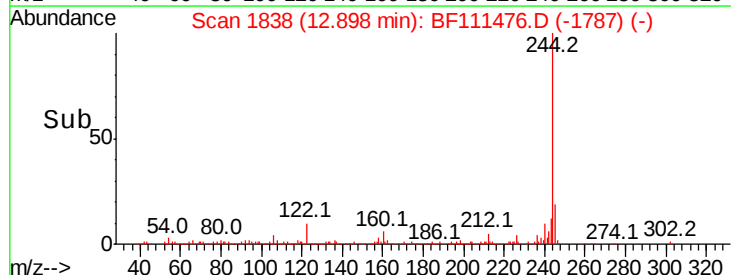
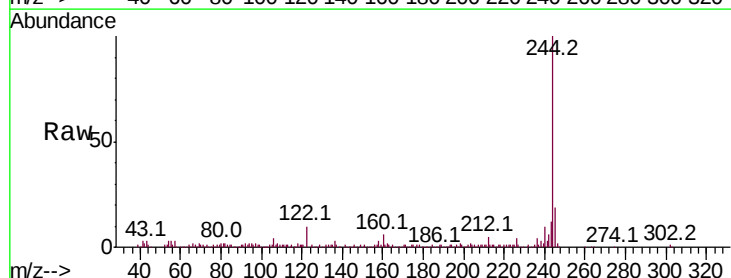
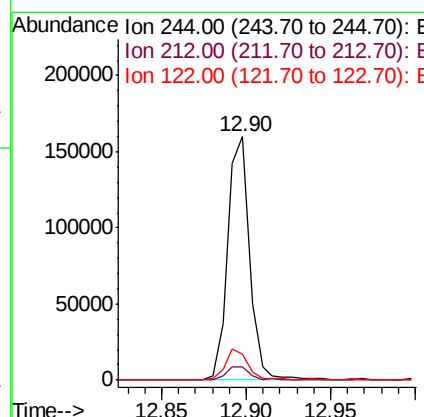
Manual Integrations
APPROVED

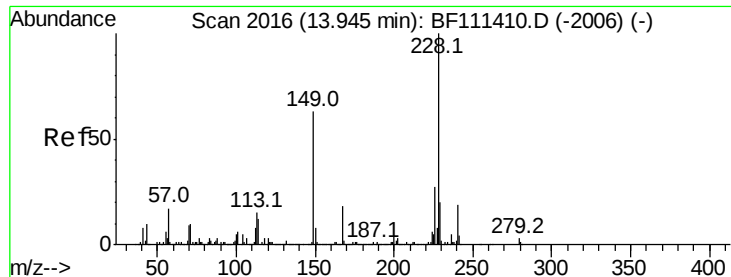
Sohil
12/17/2018 3:12:19 PM



#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

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	5.5	5.7	8.5#
122	10.5	13.1	19.7#





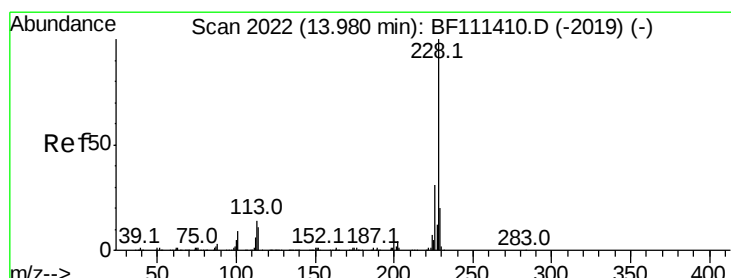
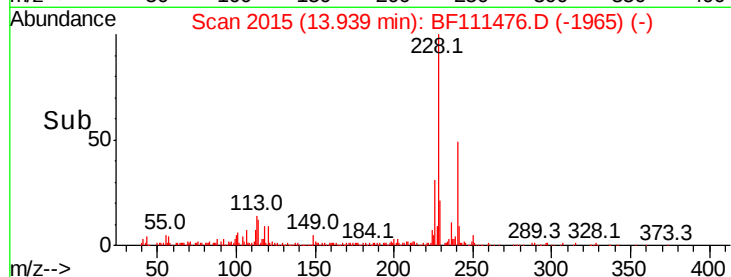
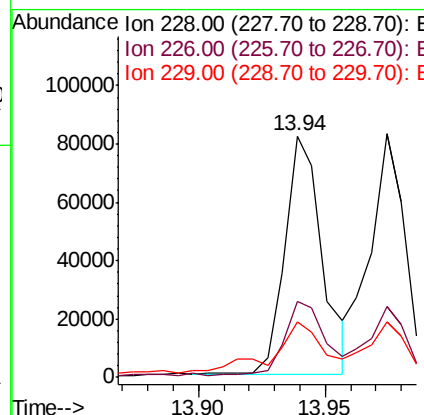
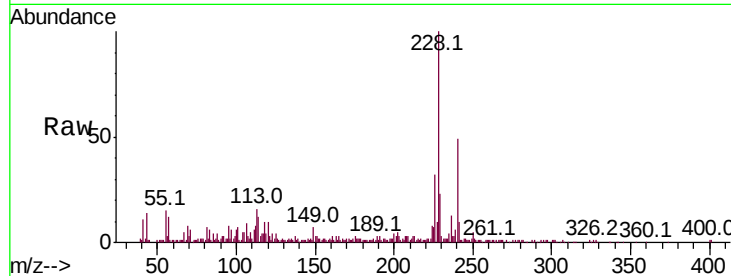
#81
Benzo(a)anthracene
Concen: 4.520 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	34.0
229	22.9	16.3	24.5

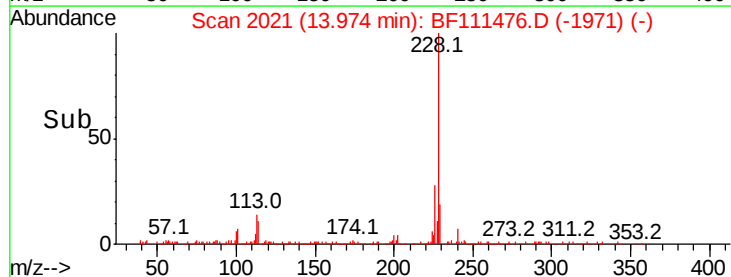
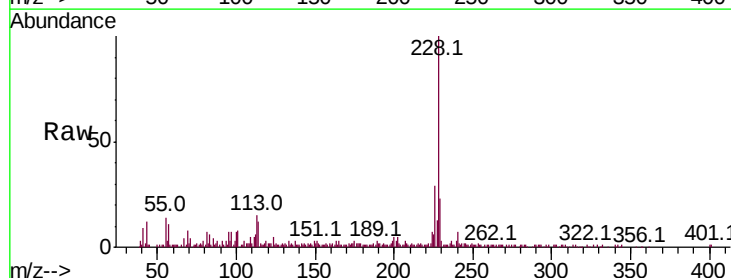
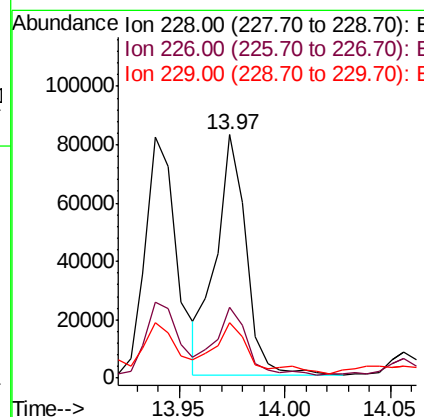
Manual Integrations
APPROVED

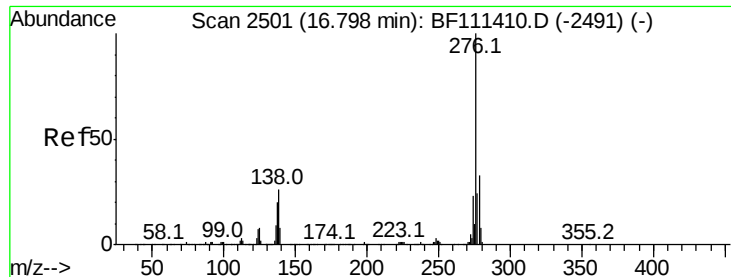
Sohil
12/17/2018 3:12:19 PM



#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

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





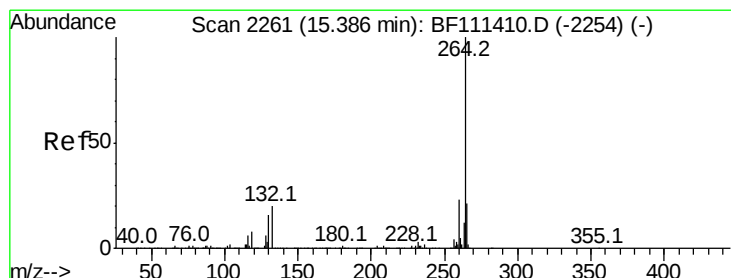
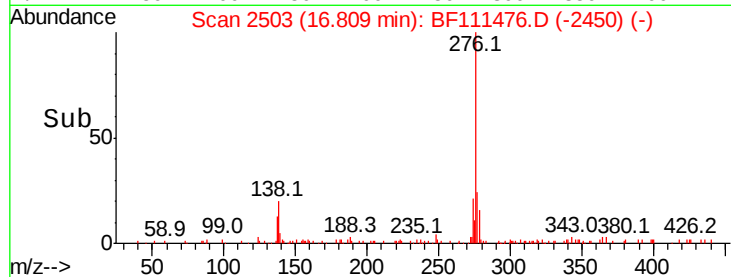
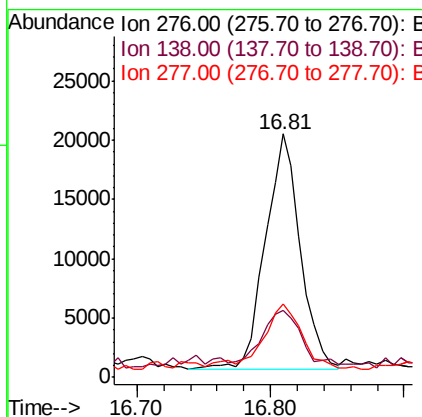
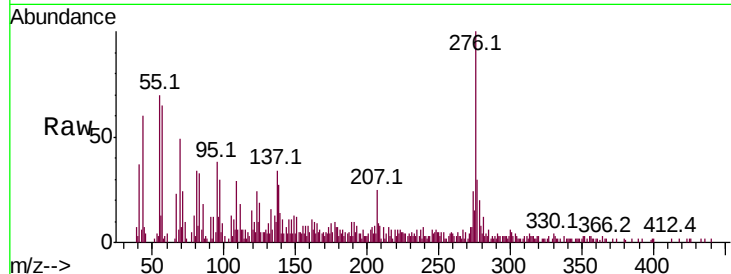
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.507 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	30.9	20.1	30.1

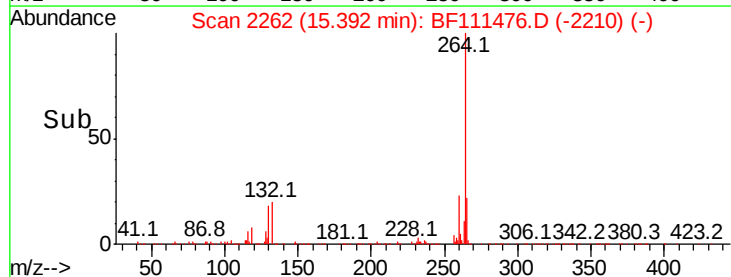
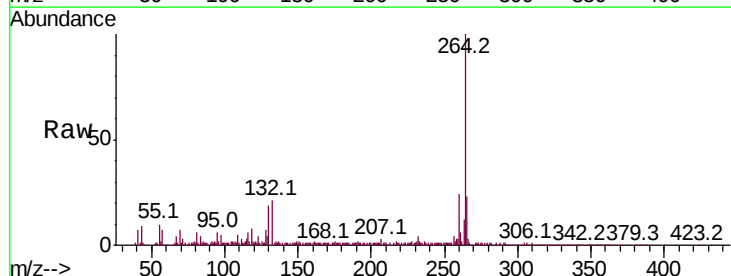
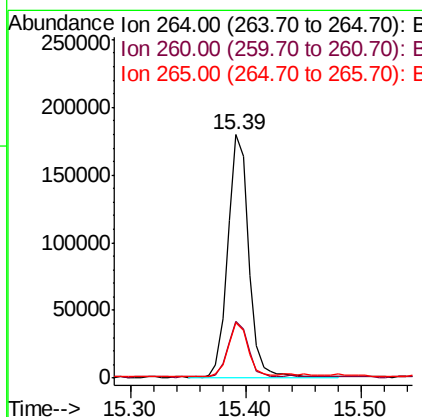
Manual Integrations
APPROVED

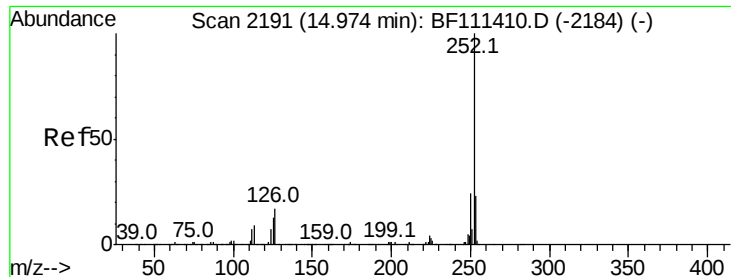
Sohil
12/17/2018 3:12:19 PM



#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

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





#88

Benzo(b)fluoranthene

Concen: 6.649 ng m

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

Instrument :

BNA_F

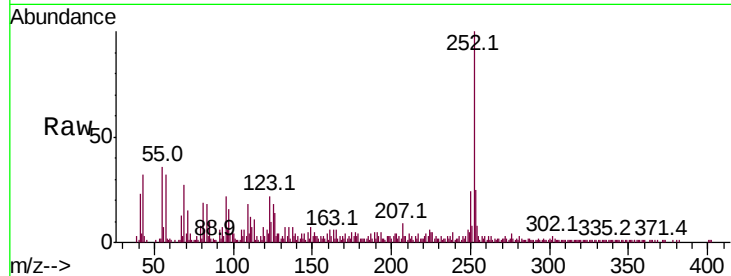
ClientSampleId :

FP-SOIL-1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.2
125	17.9	10.4	15.6

Manual Integrations
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Sohil
12/17/2018 3:12:19 PM

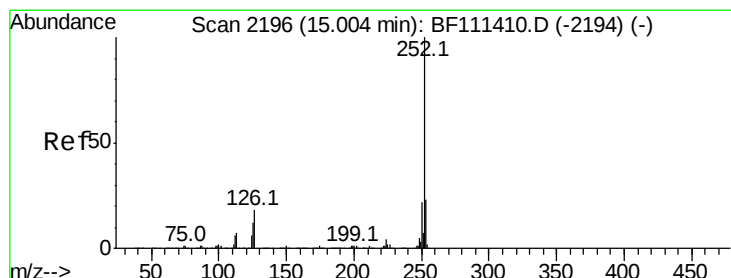
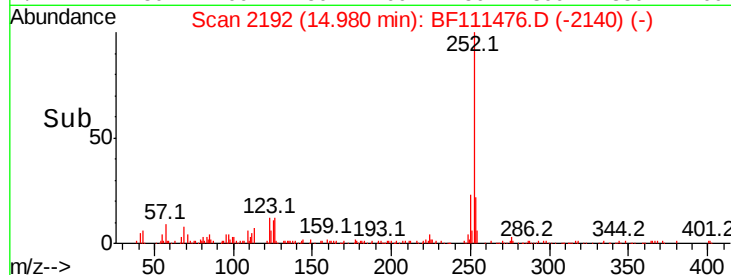
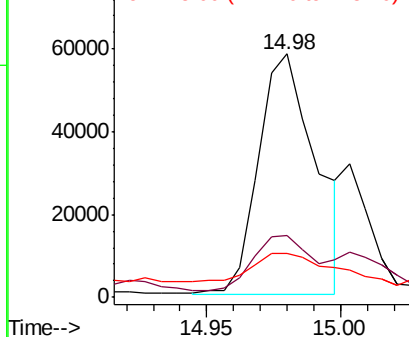


Abundance

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: 2.032 ng m

RT: 15.00 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BF111476.D

Acq: 15 Dec 2018 18:43

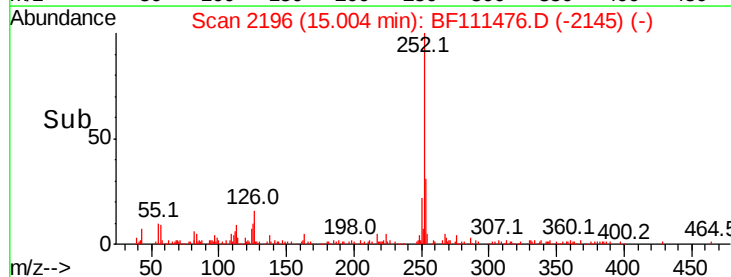
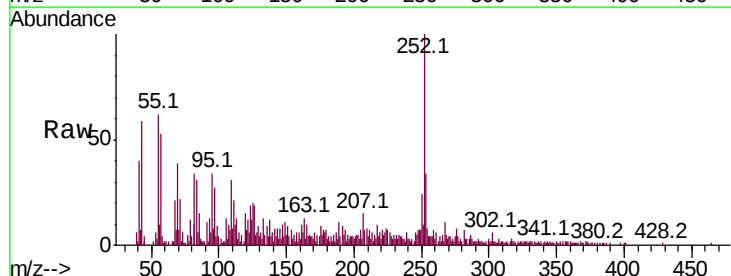
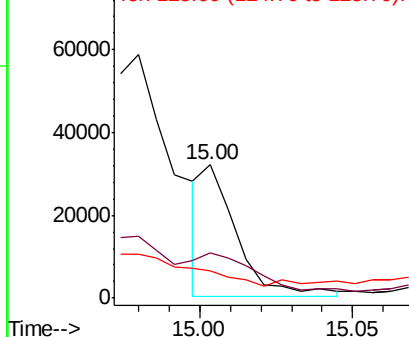
Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	18.1	27.1
125	20.2	9.8	14.8

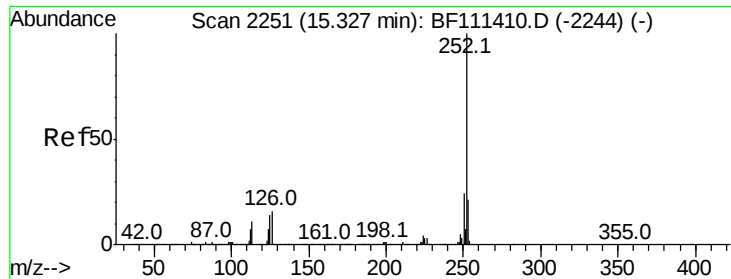
Abundance

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





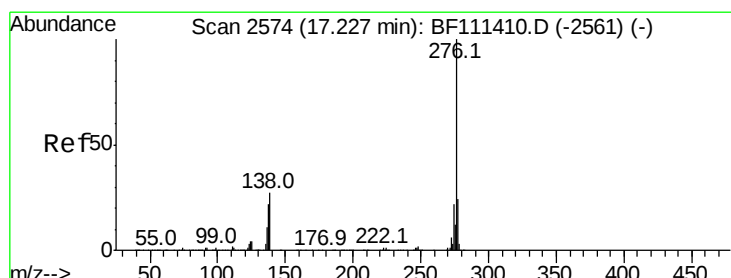
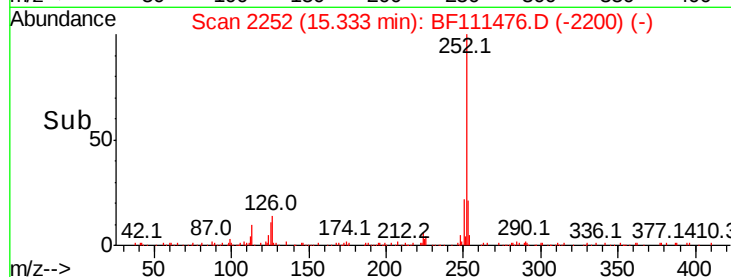
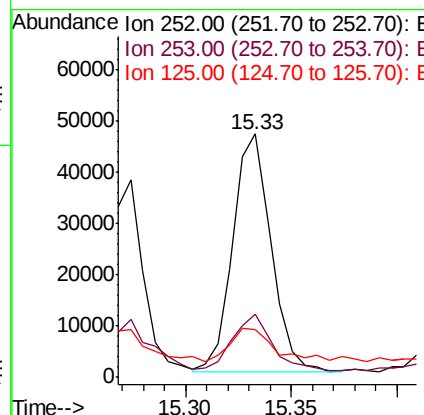
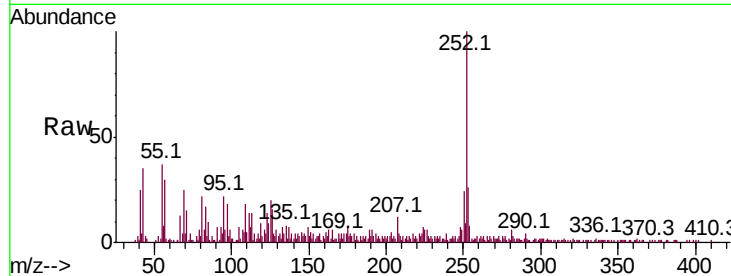
#90
Benzo(a)pyrene
Concen: 4.894 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111476.D
Acq: 15 Dec 2018 18:43

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.8	26.8
125	19.7	12.3	18.5

Manual Integrations
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Sohil
12/17/2018 3:12:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.9	19.2	28.8
138	21.8	24.9	37.3

