

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_F
 ClientSampleId :
 FP-SOIL-1

Manual Integrations
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Sohil
 12/17/2018 2:36:54 PM

Quant Time: Dec 14 22:44:10 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						
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						
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	87157m	6.472	ng	
89) Benzo(k)fluoranthene	15.00	252	32290m	2.509	ng	
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

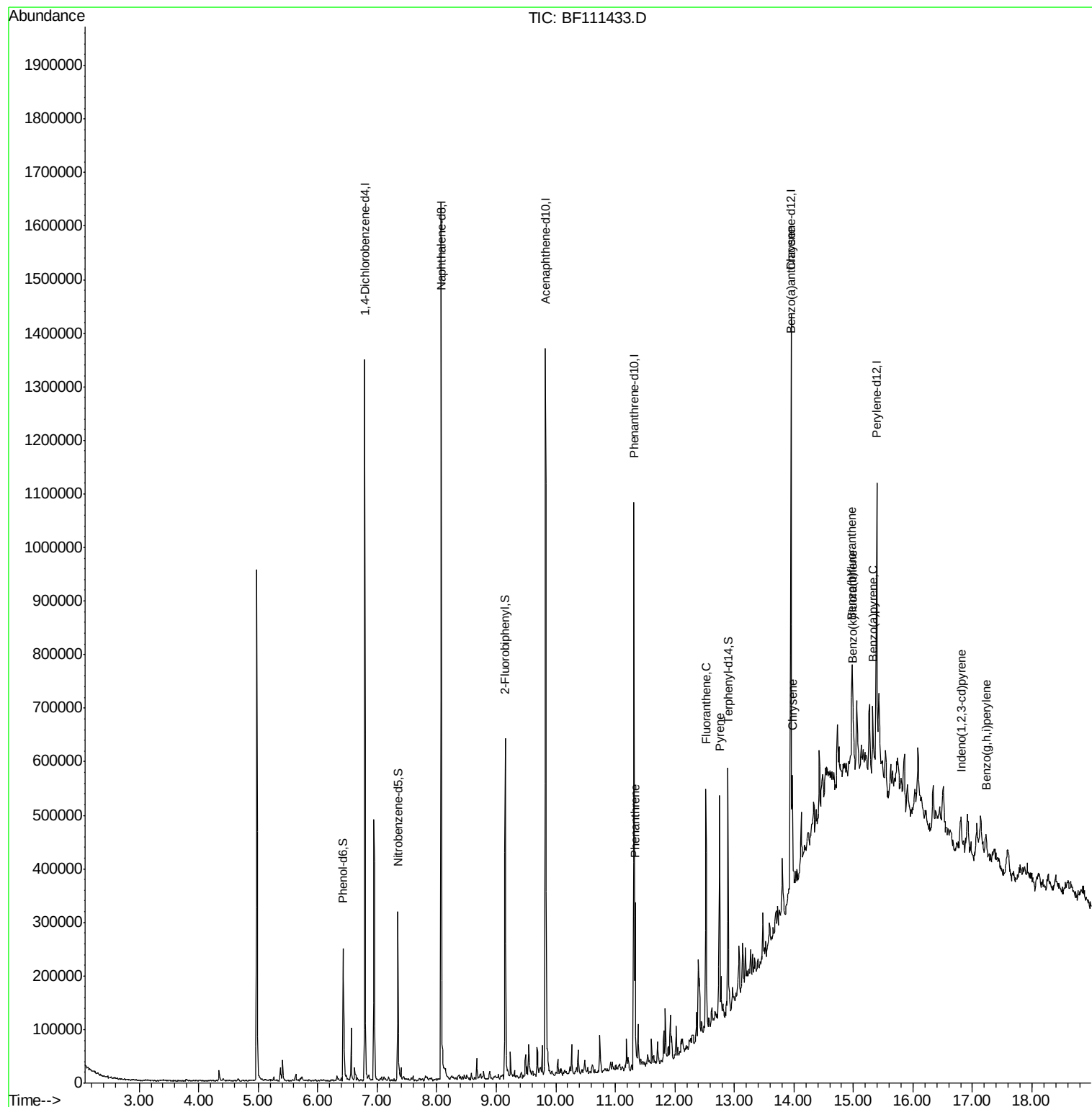
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111433.D
Acq On : 14 Dec 2018 21:53
Operator : JU/SJ
Sample : J6372-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

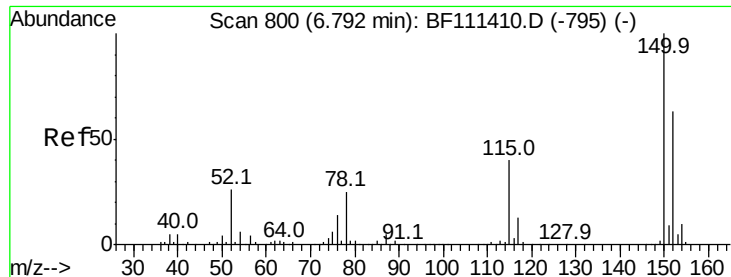
Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

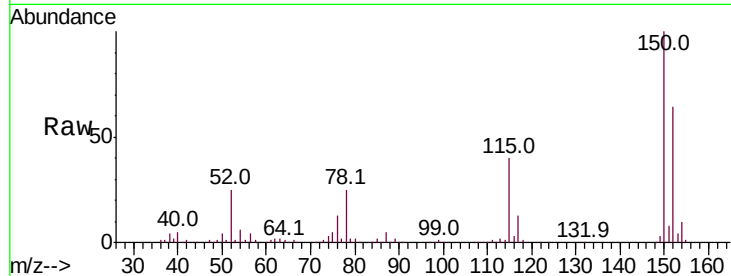
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.6	189.8
115	62.7	50.7	76.1

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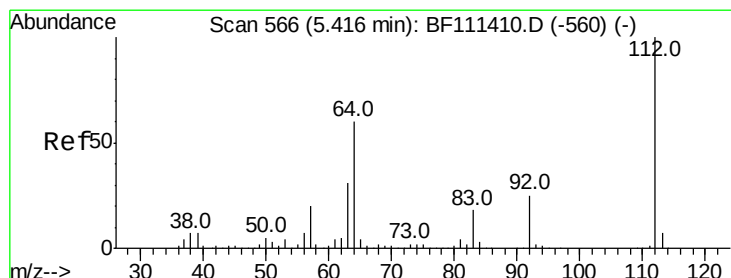
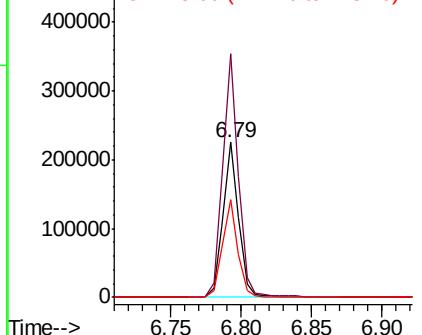
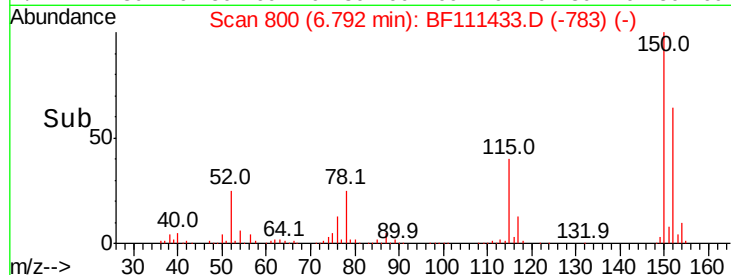


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

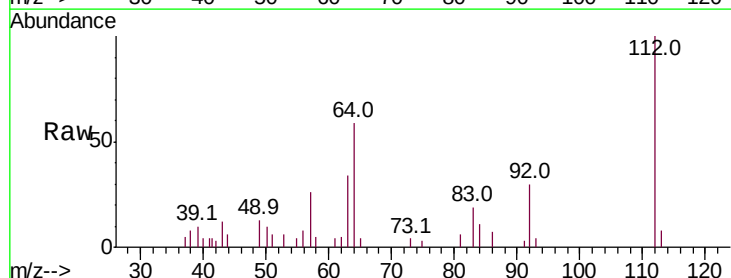
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 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	Ratio	Lower	Upper
112	100		
64	59.1	51.8	77.6
63	34.2	26.8	40.2

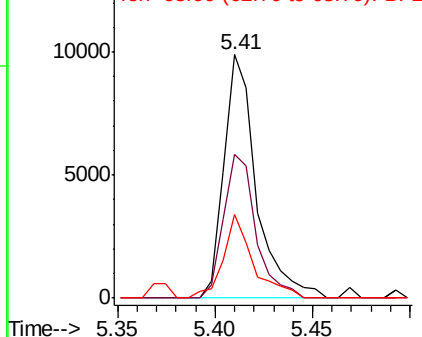
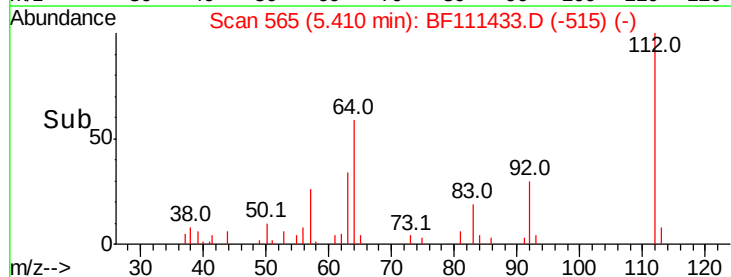


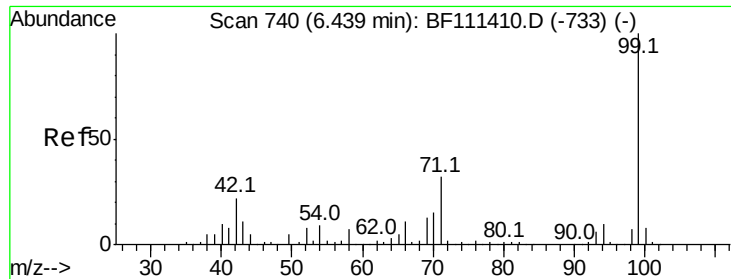
Abundance

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_F

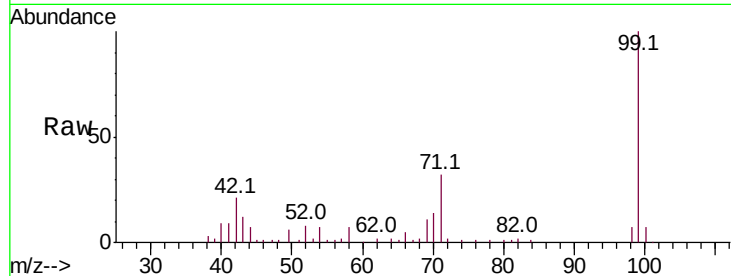
ClientSampleId :

FP-SOIL-1

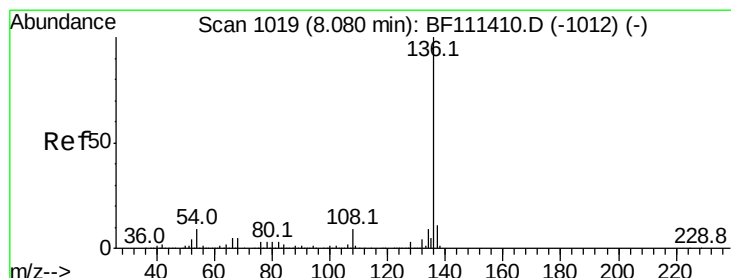
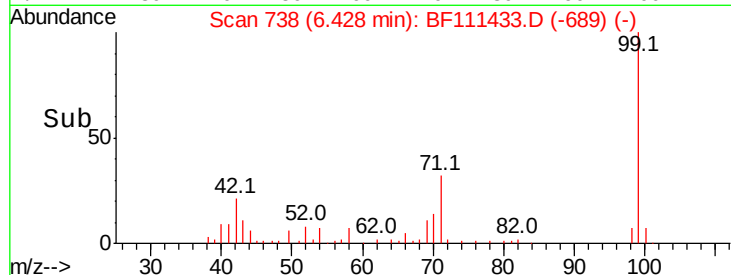
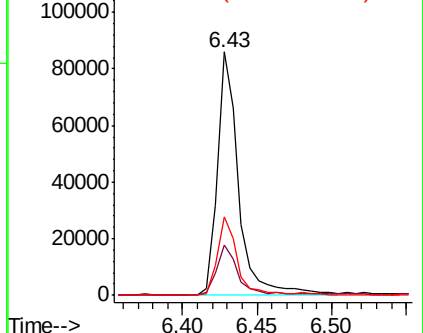
Tot Ion:	99	Resp:	85768
Ion Ratio	Lower	Upper	
99	100		
42	20.8	17.4	26.0
71	32.5	26.1	39.1

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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

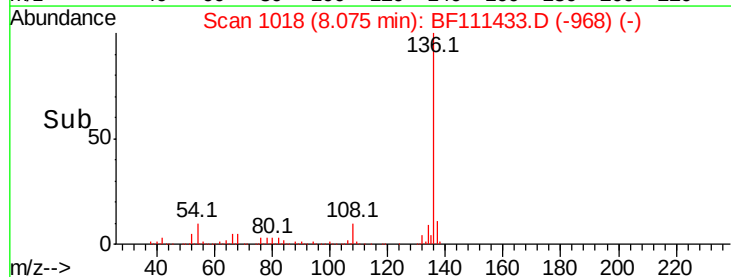
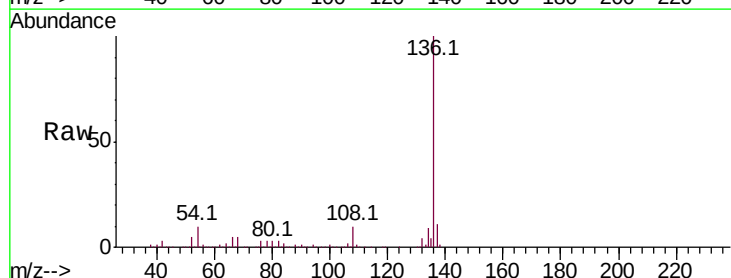
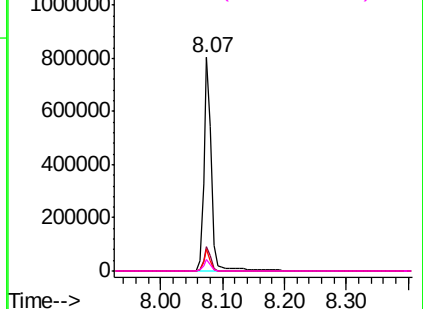
Delta R.T. -0.01 min

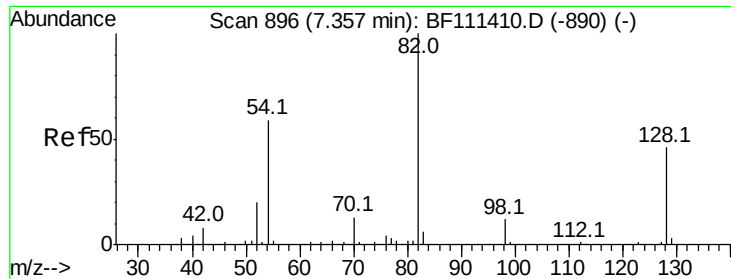
Lab File: BF111433.D

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





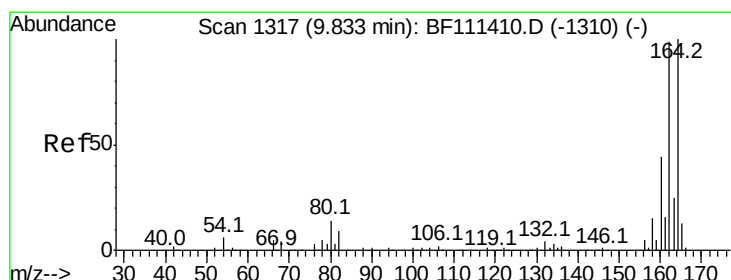
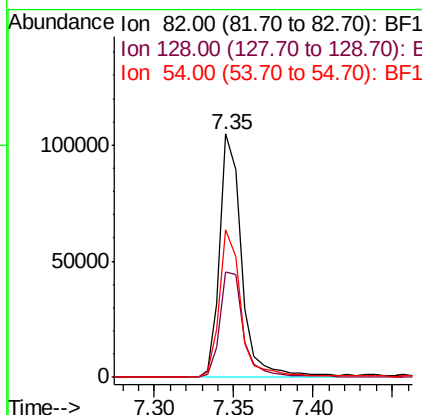
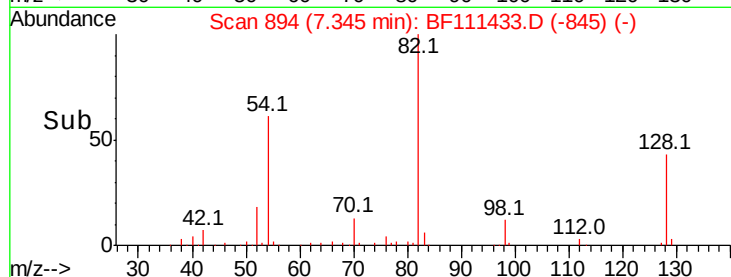
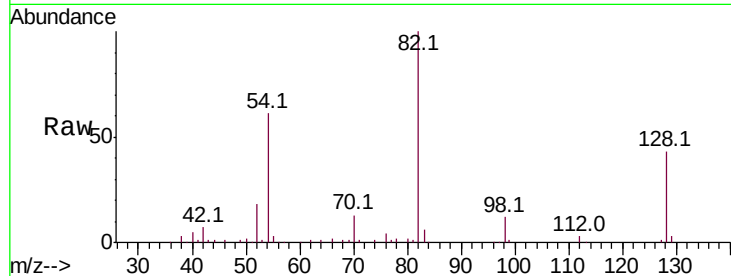
#23
Nitrobenzene-d5
Concen: 8.738 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1

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

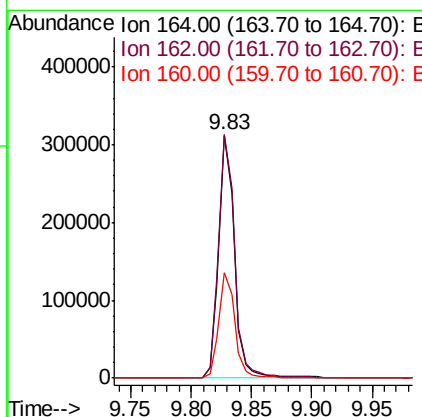
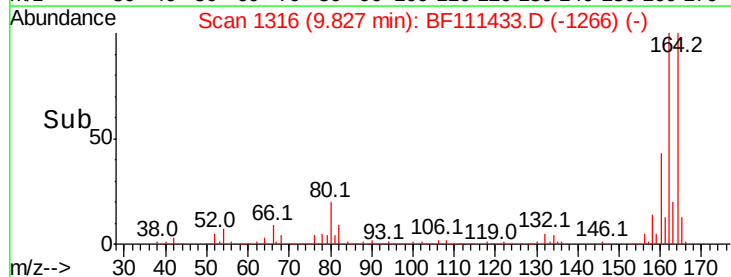
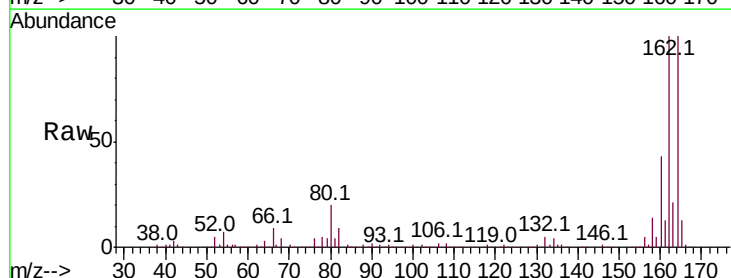
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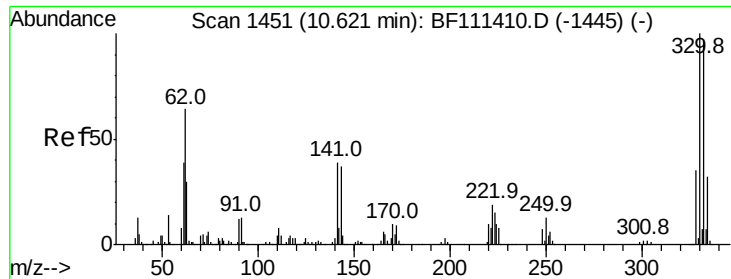
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

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





#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

Instrument :

BNA_F

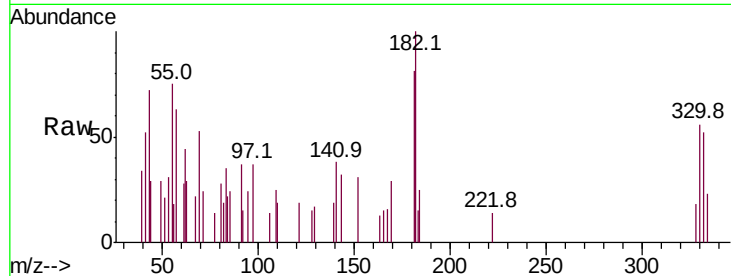
ClientSampleId :

FP-SOIL-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.3	76.0	114.0
141	108.0	31.0	46.6#

Manual Integrations
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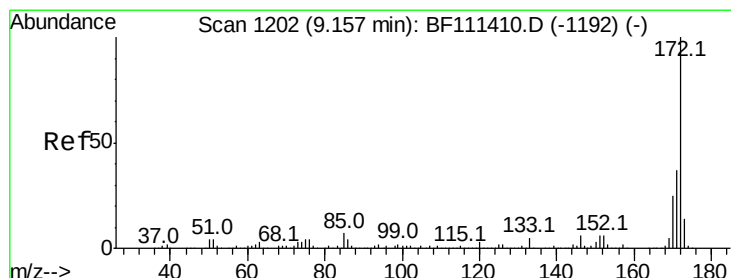
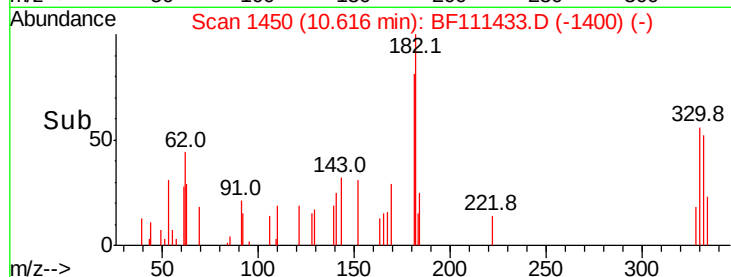
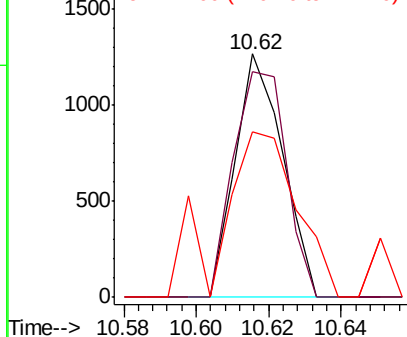


Abundance

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: 11.115 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

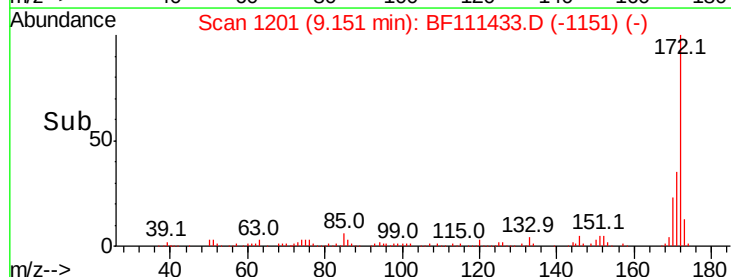
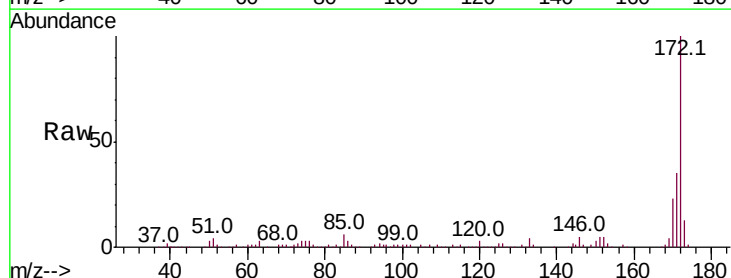
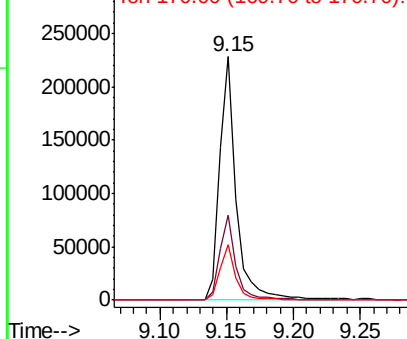
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	33.0	49.4
170	22.6	22.3	33.5

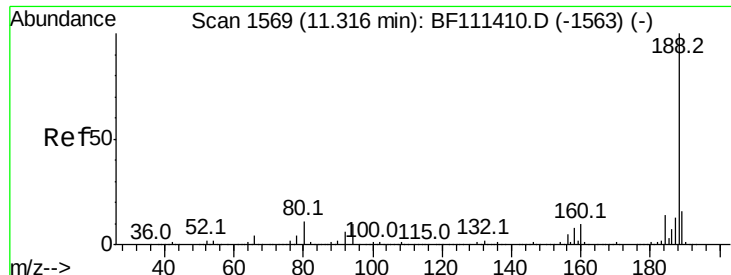
Abundance

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





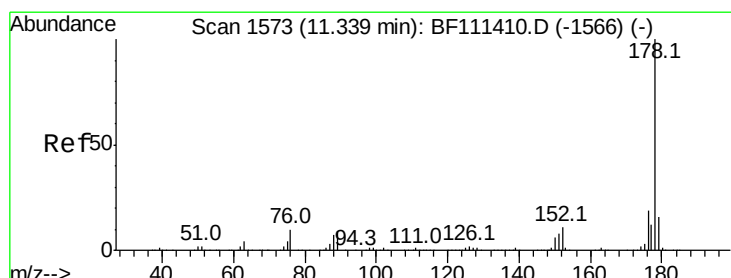
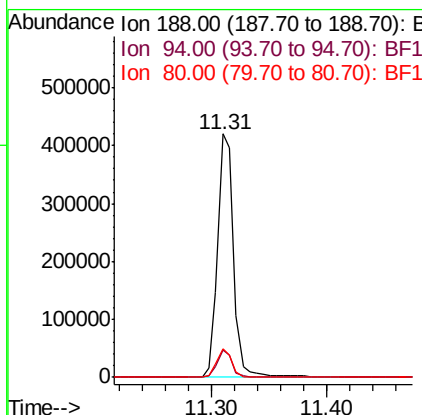
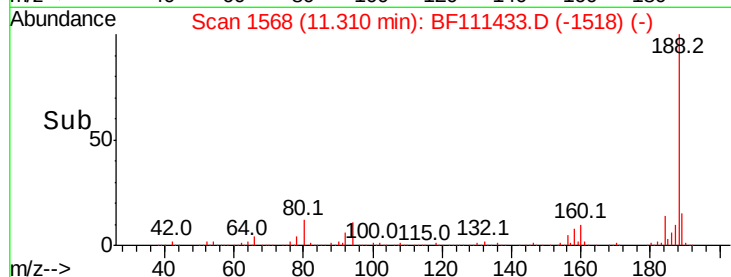
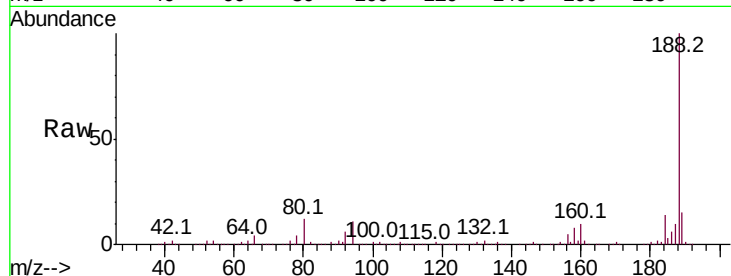
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111433.D
 Acq: 14 Dec 2018 21:53

Instrument :
 BNA_F
 ClientSampled :
 FP-SOIL-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.1	9.6	14.4	
80	11.8	9.8	14.6	

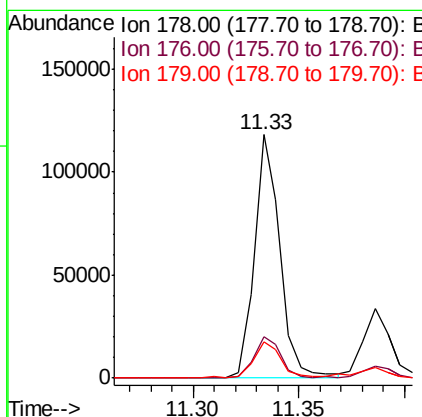
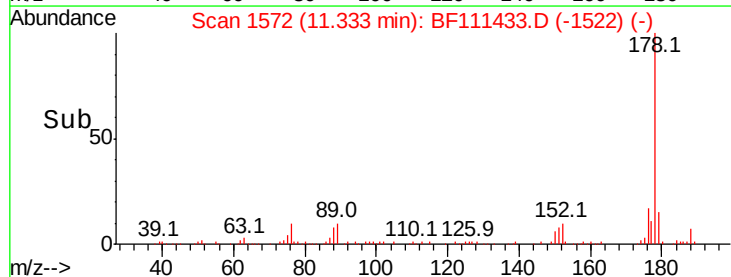
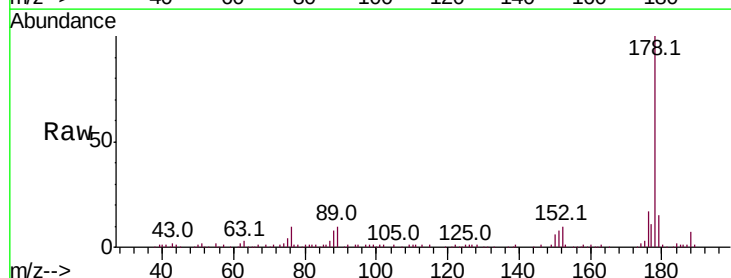
Manual Integrations
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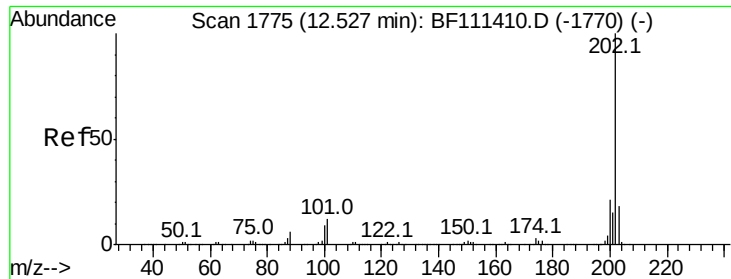
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#71
 Phenanthrene
 Concen: 4.753 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111433.D
 Acq: 14 Dec 2018 21:53

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





#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

Instrument :

BNA_F

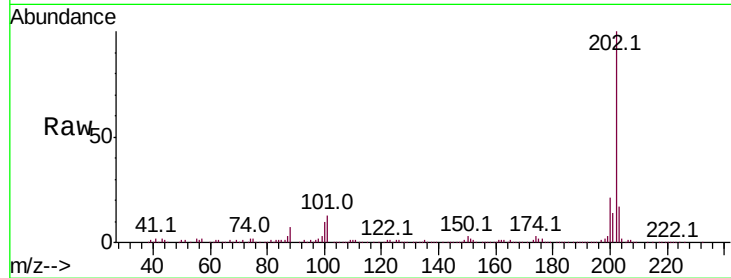
ClientSampleId :

FP-SOIL-1

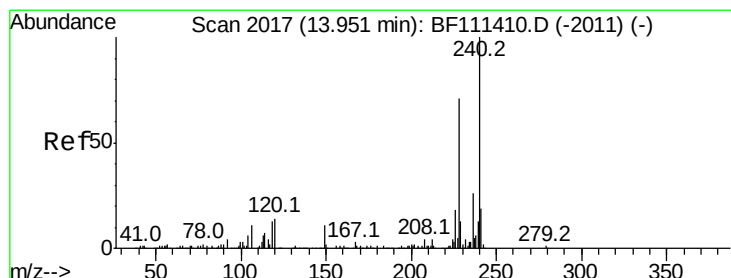
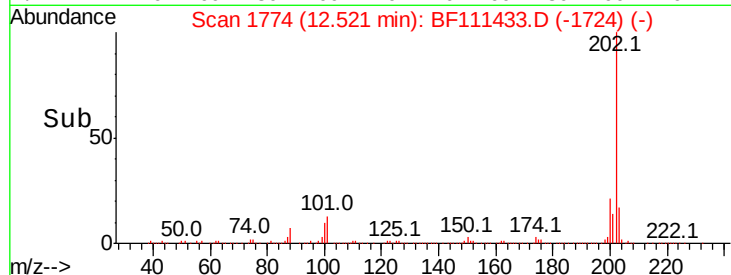
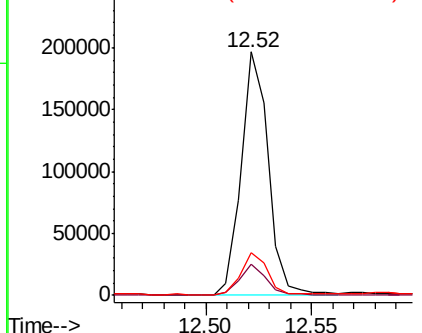
Tot Ion:	202	Resp:	173759
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	33.8
203	17.5	0.0	38.6

Manual Integrations
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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

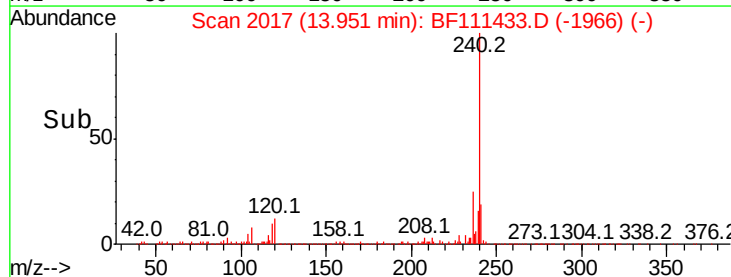
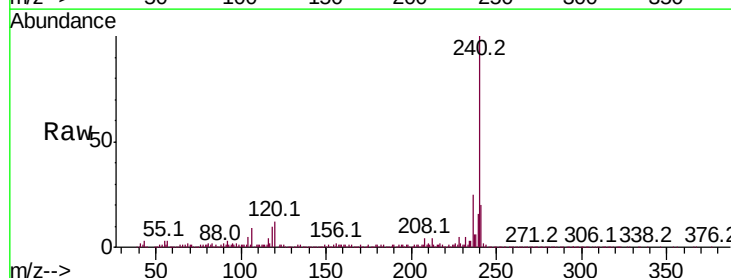
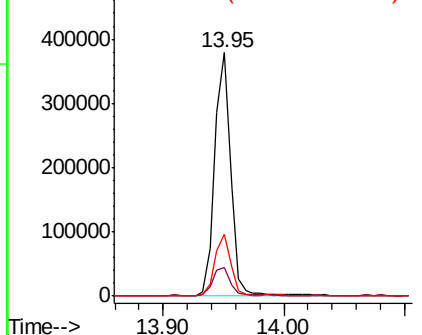
Delta R.T. -0.00 min

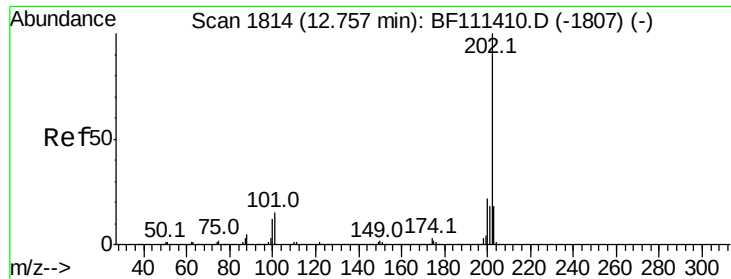
Lab File: BF111433.D

Acq: 14 Dec 2018 21:53

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





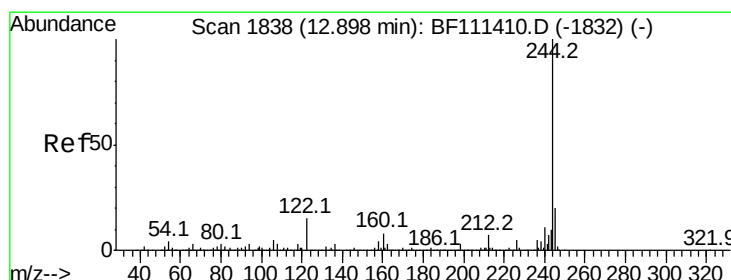
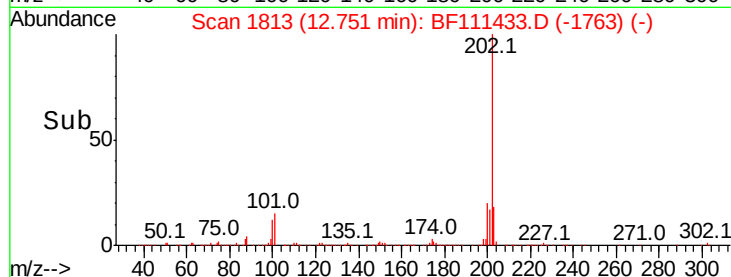
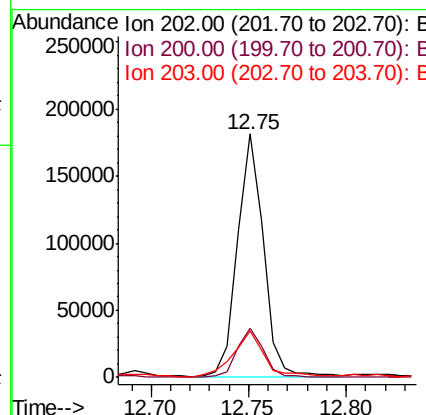
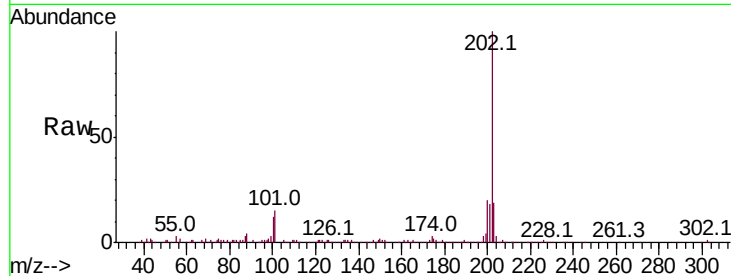
#78
Pvrene
Concen: 6.883 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_F
ClientSampled :
FP-SOIL-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	19.0	28.4
203	19.1	15.2	22.8

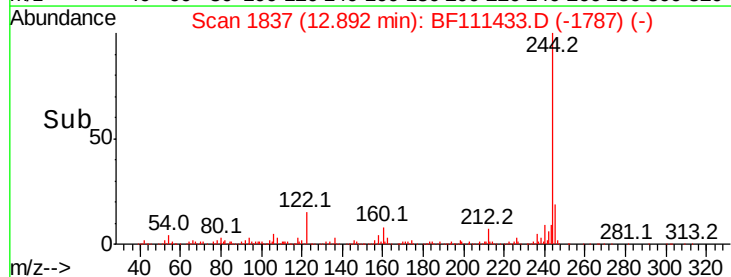
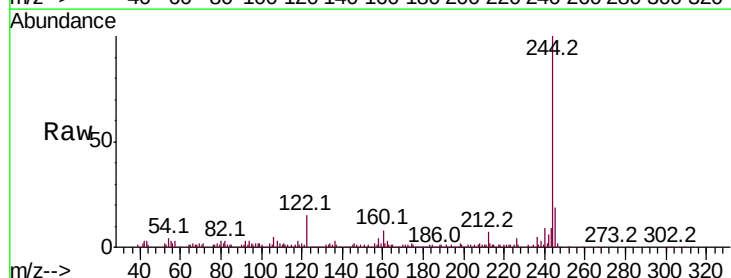
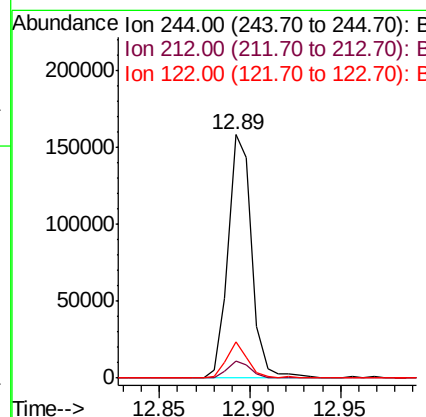
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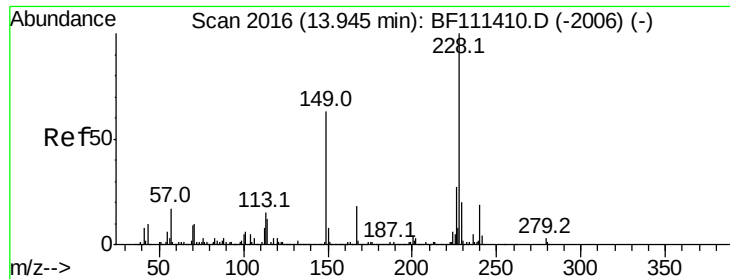
Sohil
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#79
Terphenyl-d14
Concen: 9.890 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.7	8.5
122	14.9	13.1	19.7





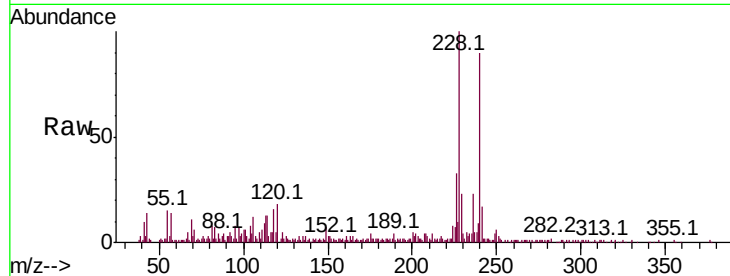
#81
Benzo(a)anthracene
Concen: 4.606 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	34.0
229	22.8	16.3	24.5

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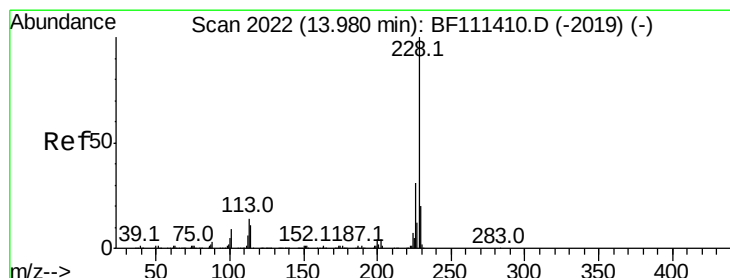
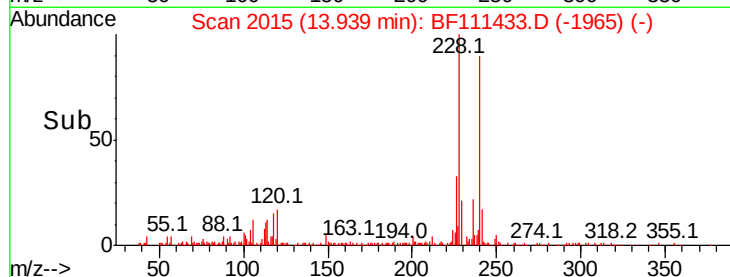
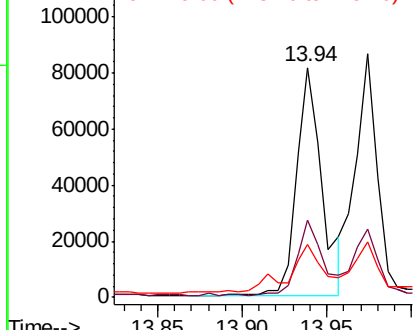


Abundance

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

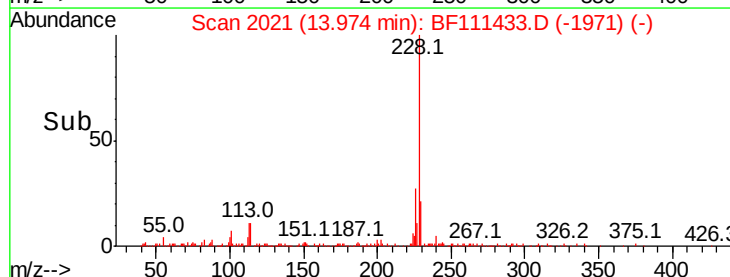
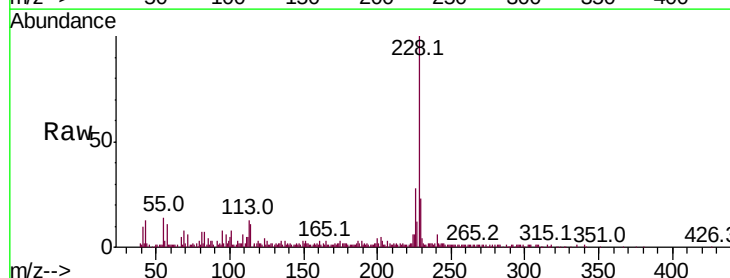
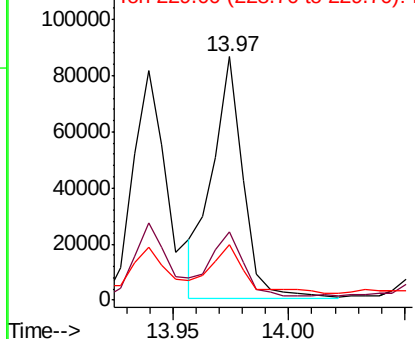
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	25.3	37.9
229	22.9	17.2	25.8

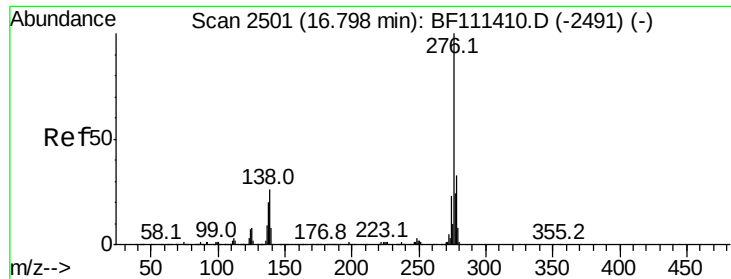
Abundance

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

Instrument :

BNA_F

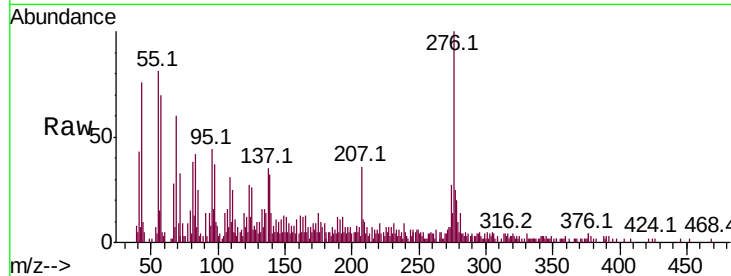
ClientSampled :

FP-SOIL-1

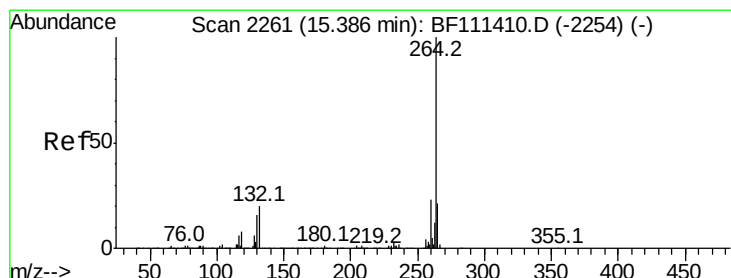
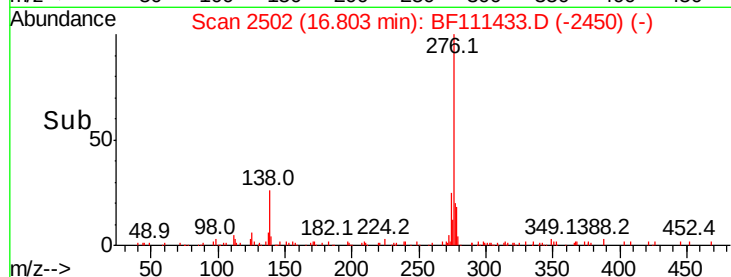
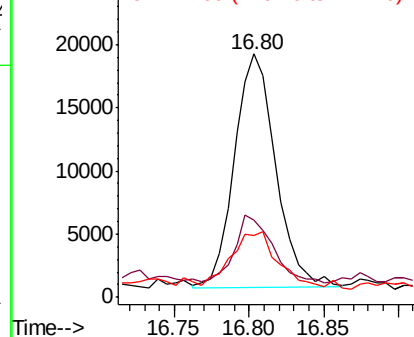
Tot Ion:	276	Resp:	35459
Ion Ratio	Lower	Upper	
276	100		
138	26.8	27.8	41.6#
277	25.1	20.1	30.1

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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

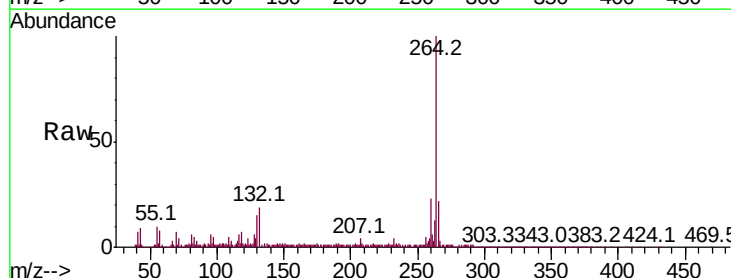
RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

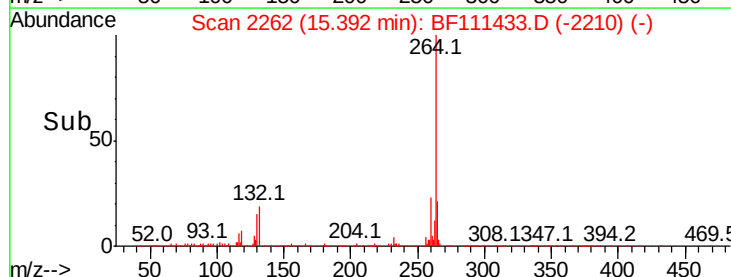
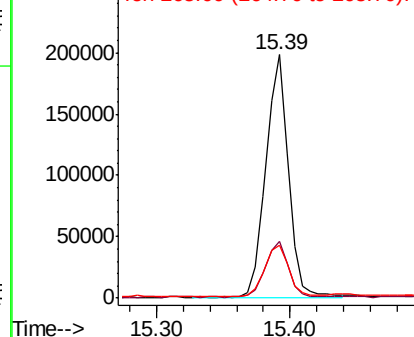
Lab File: BF111433.D

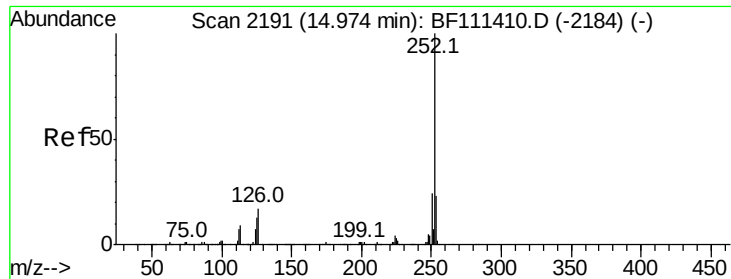
Acq: 14 Dec 2018 21:53

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



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





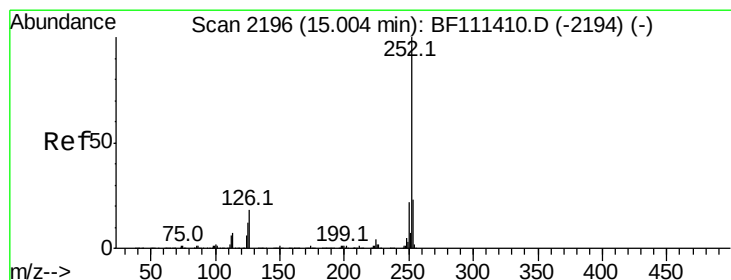
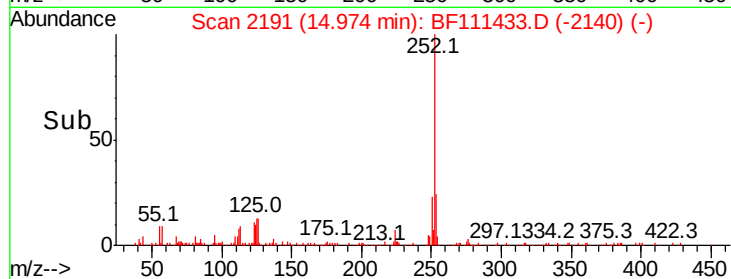
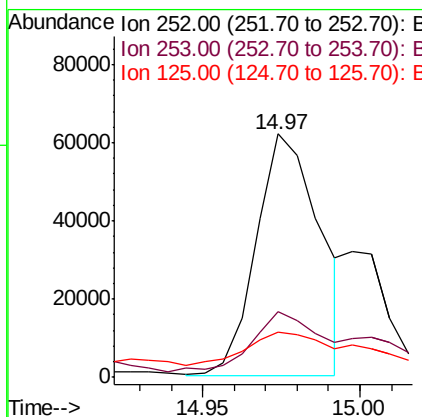
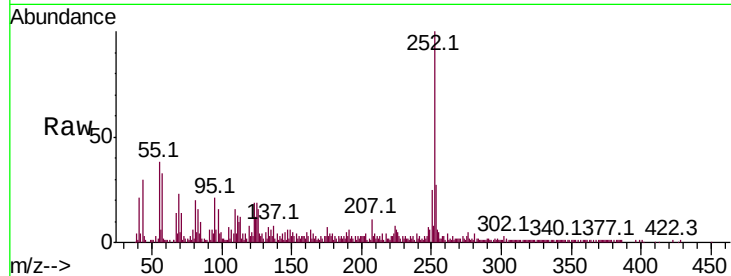
#88
Benzo(b)fluoranthene
Concen: 6.472 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.2	27.2
125	18.6	10.4	15.6

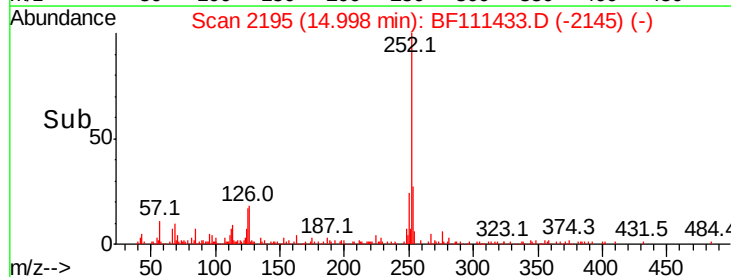
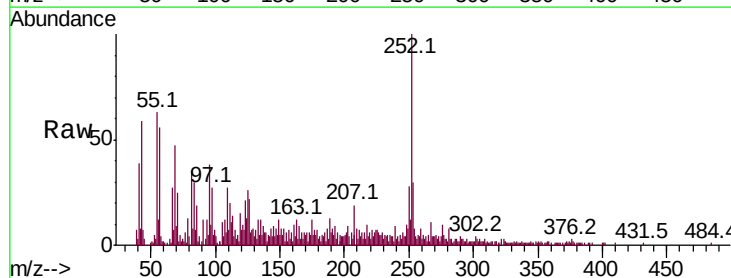
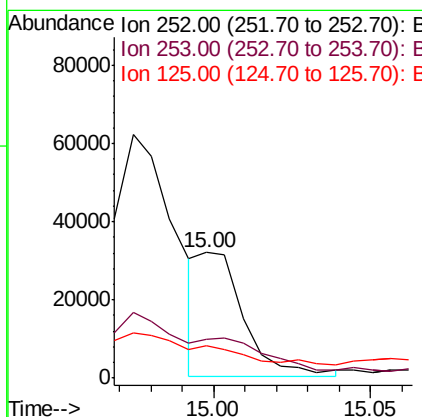
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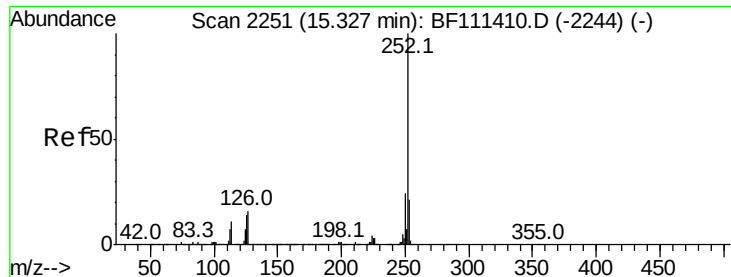
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#89
Benzo(k)fluoranthene
Concen: 2.509 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	18.1	27.1
125	26.0	9.8	14.8





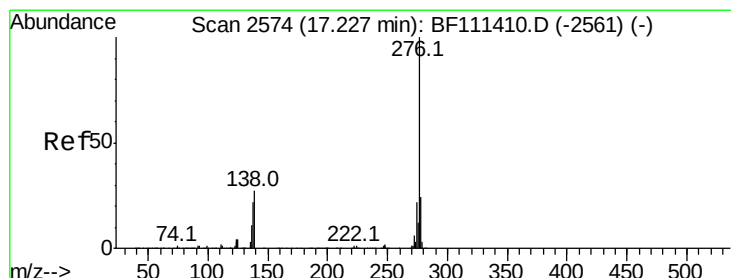
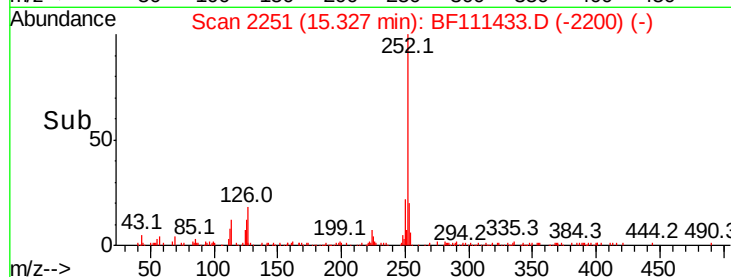
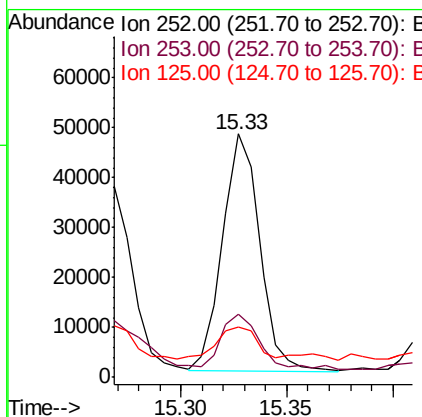
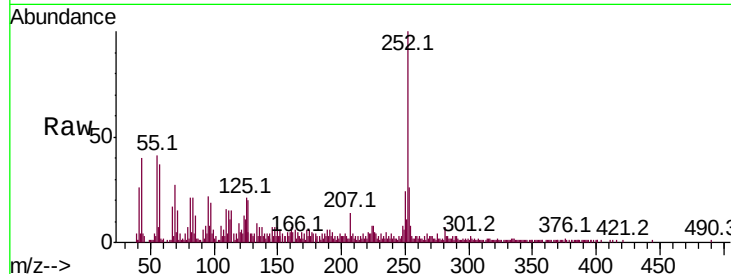
#90
Benzo(a)pyrene
Concen: 4.783 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111433.D
Acq: 14 Dec 2018 21:53

Instrument :
BNA_F
ClientSampleId :
FP-SOIL-1

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

Manual Integrations
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#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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	31.4	24.9	37.3

