

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
 Data File : BF110927.D
 Acq On : 21 Nov 2018 14:42
 Operator : JU/SJ
 Sample : J6024-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-SOIL

Manual Integrations
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mohammad
 11/23/2018 11:48:57 AM

Quant Time: Nov 21 22:17:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	60807	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	254710	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	118766	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	213585	20.00	ng	0.00
76) Chrysene-d12	14.13	240	133970	20.00	ng	0.00
87) Perylene-d12	15.66	264	135045	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	346839	92.65	ng	0.00
7) Phenol-d6	6.57	99	472736	98.75	ng	0.00
23) Nitrobenzene-d5	7.50	82	309822	70.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	87453	73.08	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	526989	63.37	ng	-0.01
79) Terphenyl-d14	13.06	244	375179	52.45	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	25900	4.666	ng	Qvalue 80
31) Naphthalene	8.25	128	36751	3.074	ng	100
50) Dimethylphthalate	9.70	163	31369	3.540	ng	99
71) Phenanthrene	11.50	178	84007	7.341	ng	98
72) Anthracene	11.56	178	24198	2.096	ng	96
75) Fluoranthene	12.70	202	90389	7.879	ng	98
78) Pyrene	12.93	202	83726	8.117	ng	97
81) Benzo(a)anthracene	14.12	228	35191m	4.395	ng	
83) Chrysene	14.16	228	33993	4.456	ng	98
86) Indeno(1,2,3-cd)pyrene	17.27	276	15507	2.833	ng	99
88) Benzo(b)fluoranthene	15.22	252	40916m	5.065	ng	
90) Benzo(a)pyrene	15.60	252	32266	4.396	ng	# 95
92) Benzo(a,h,i)perylene	17.75	276	16246	2.636	ng	96

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

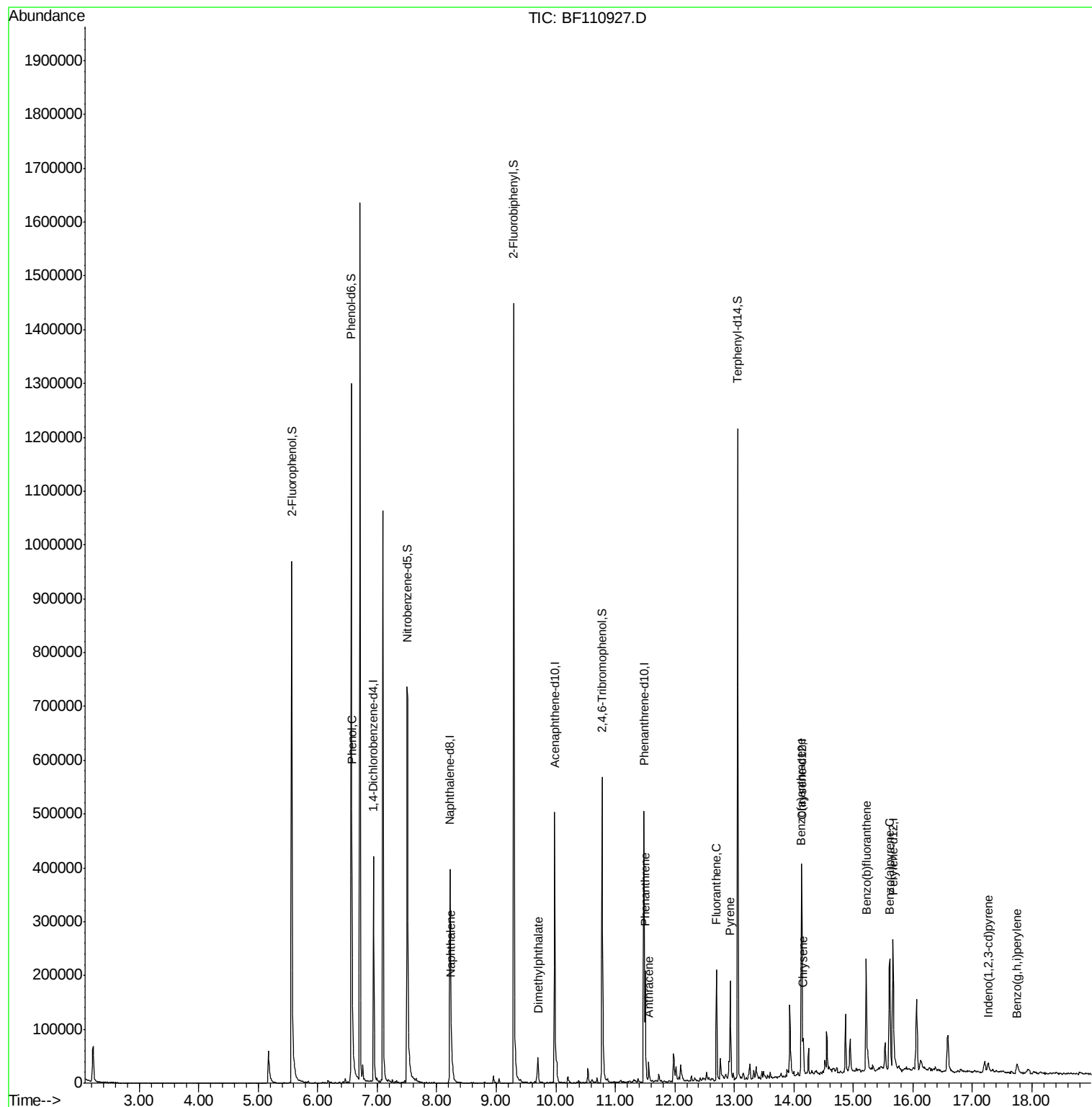
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
Data File : BF110927.D
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Sample : J6024-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

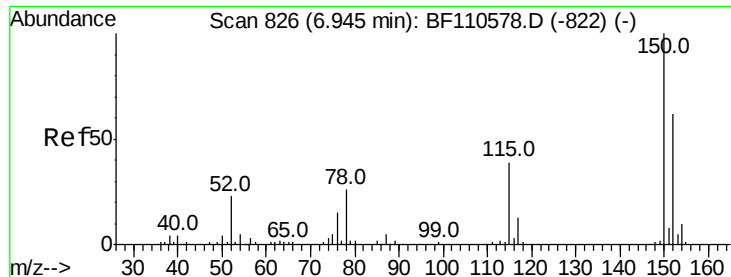
Instrument :
BNA_F
ClientSampleId :
PS-SOIL

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#1

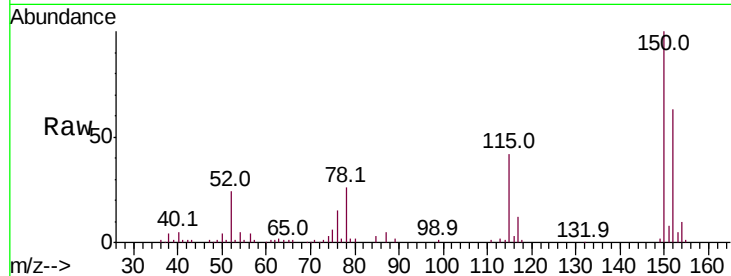
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Instrument :
BNA_F
ClientSampleId :
PS-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	122.7	184.1
115	66.1	49.1	73.7

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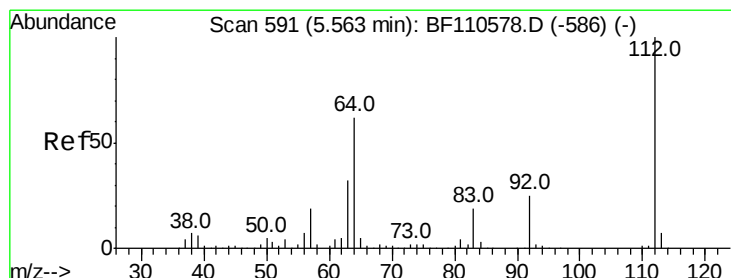
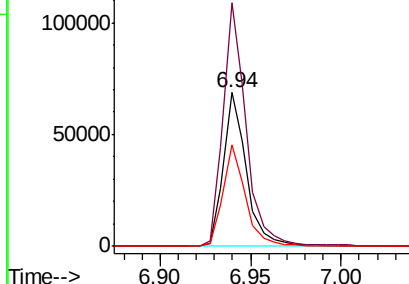
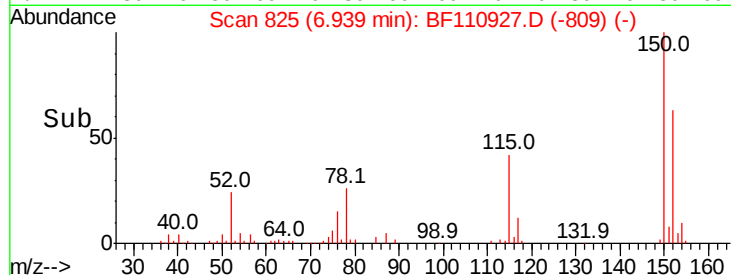


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

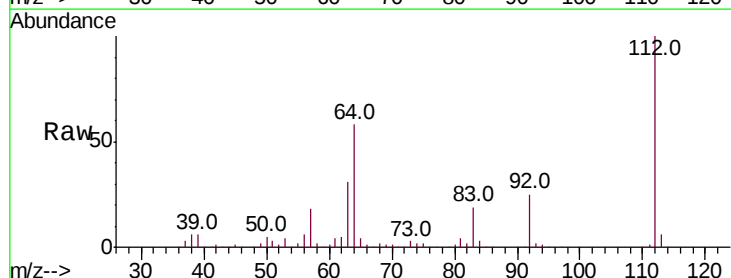
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.650 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.1	66.1
63	30.9	23.7	35.5

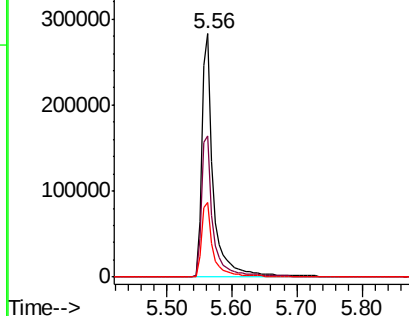
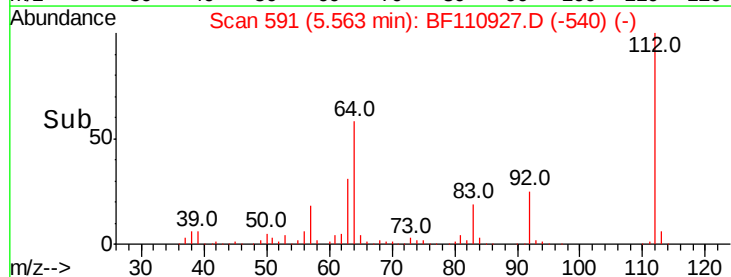


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.752 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110927.D

Acq: 21 Nov 2018 14:42

Instrument :

BNA_F

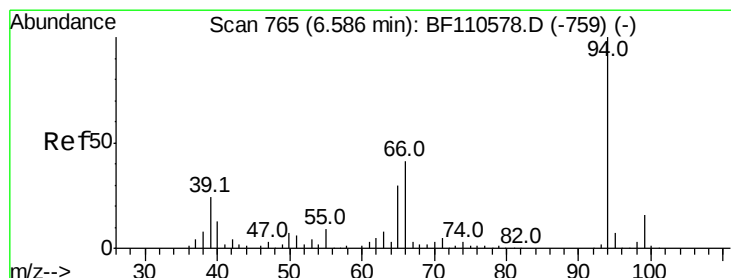
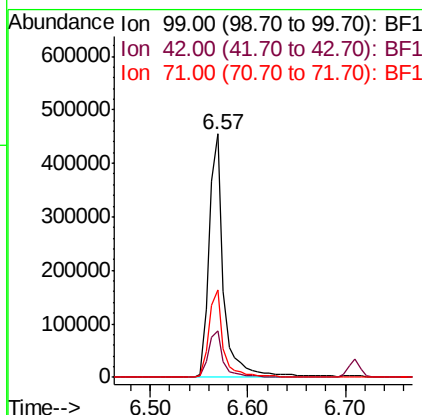
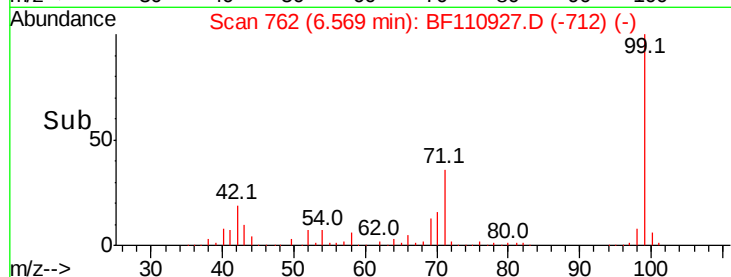
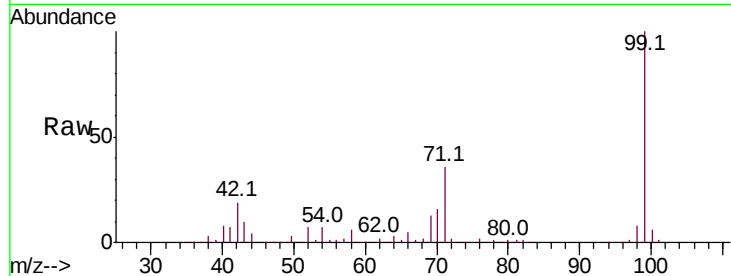
ClientSampleId :

PS-SOIL

Tot Ion:	99	Resp:	472736
Ion Ratio	Lower	Upper	
99	100		
42	18.9	15.8	23.6
71	35.7	28.0	42.0

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#10

Phenol

Concen: 4.666 ng

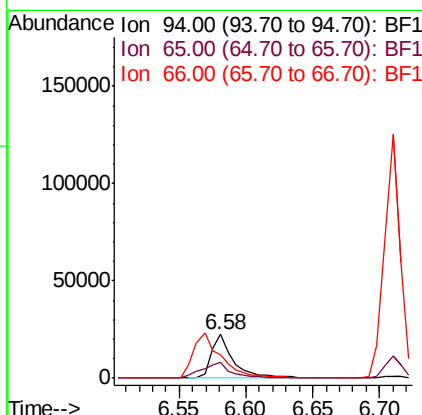
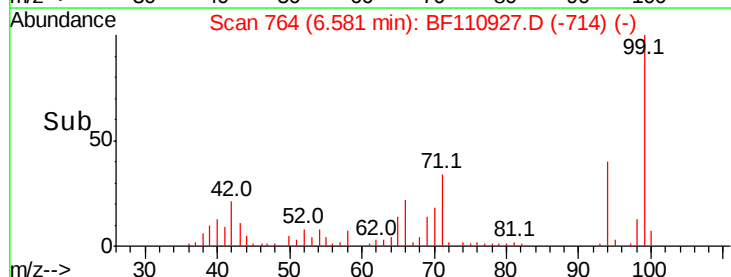
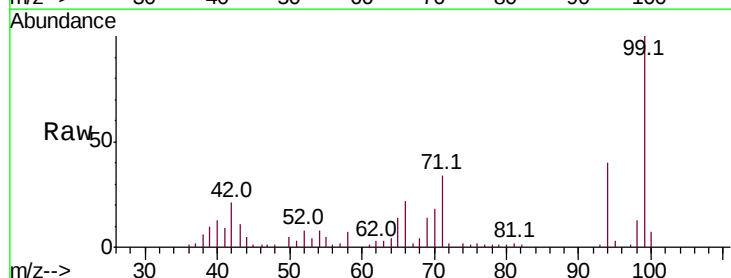
RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110927.D

Acq: 21 Nov 2018 14:42

Tgt Ion:	94	Resp:	25900
Ion Ratio	Lower	Upper	
94	100		
65	34.9	25.3	65.3
66	54.8	54.5	94.5





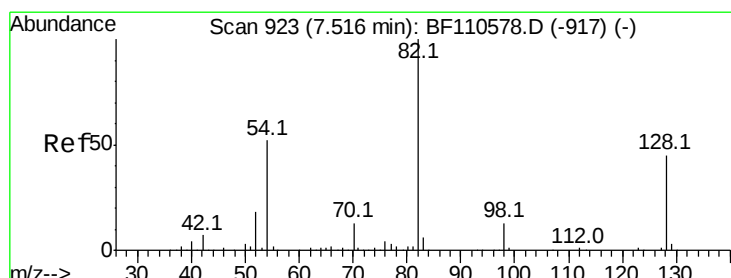
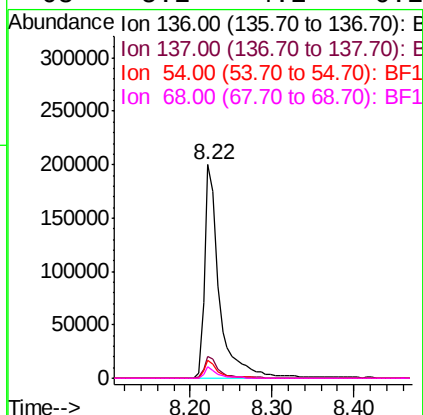
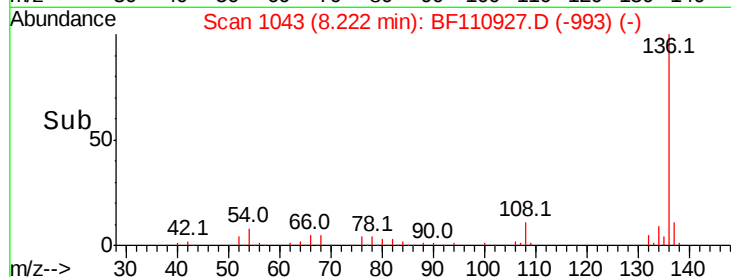
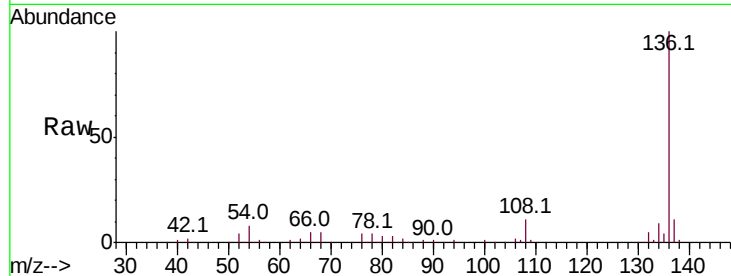
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Instrument :
BNA_F
ClientSampleId :
PS-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.8	13.2	
54	8.1	5.4	8.2	
68	5.2	4.2	6.2	

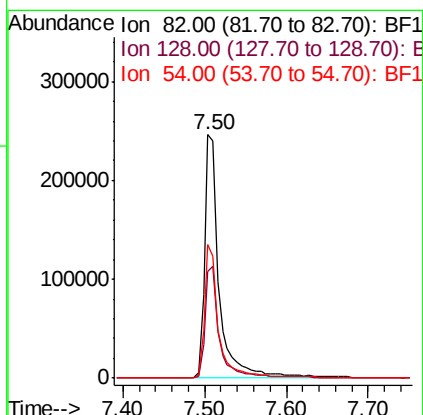
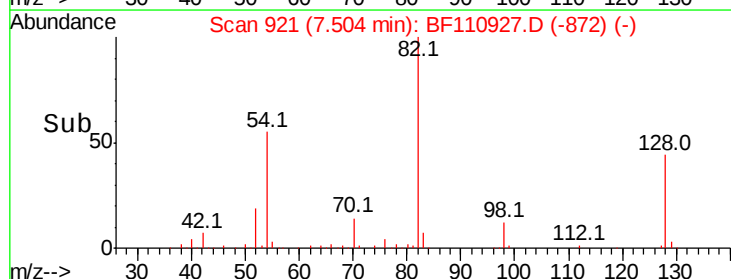
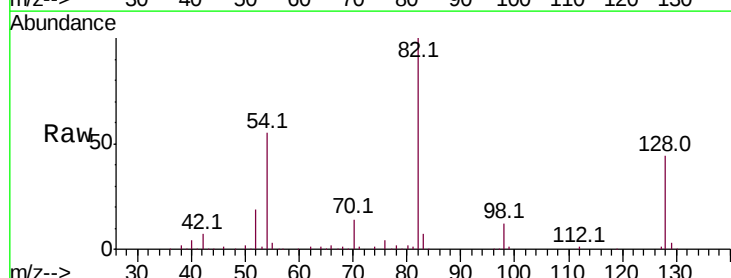
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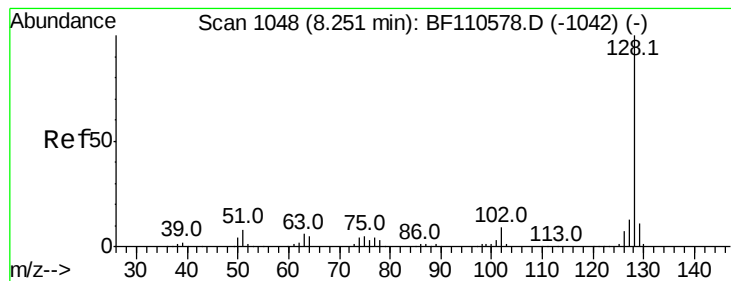
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#23
Nitrobenzene-d5
Concen: 70.050 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	34.2	51.2	
54	54.6	38.6	58.0	





#31

Naphthalene

Concen: 3.074 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF110927.D

Acq: 21 Nov 2018 14:42

Instrument :

BNA_F

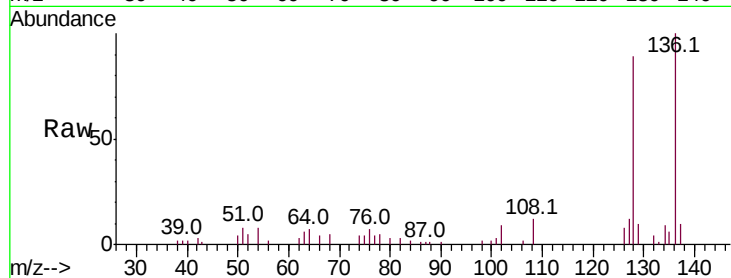
ClientSampleId :

PS-SOIL

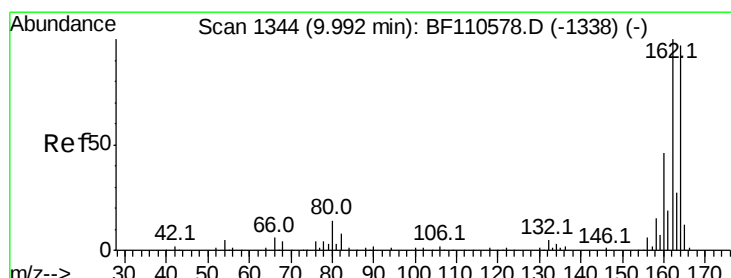
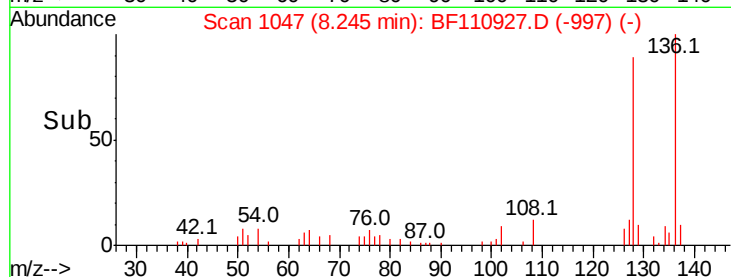
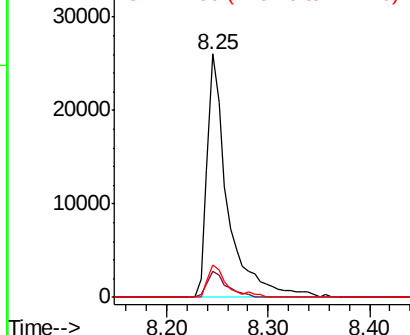
Tot Ion:	128	Resp:	36751
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	13.4	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

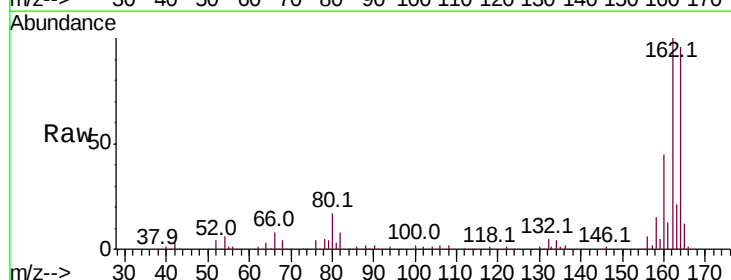
RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

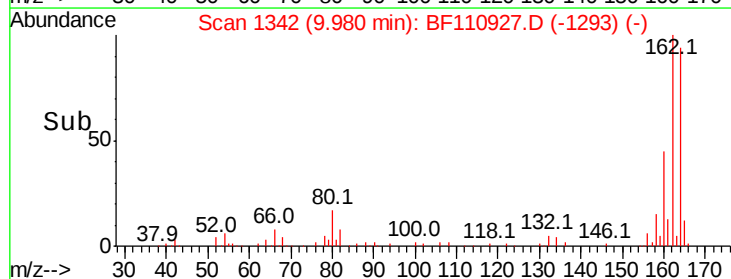
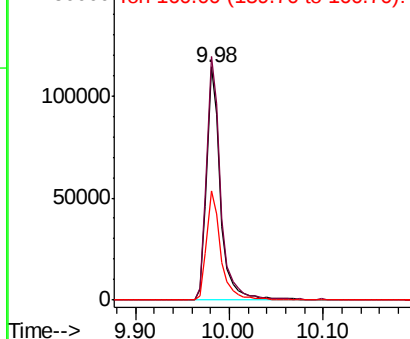
Lab File: BF110927.D

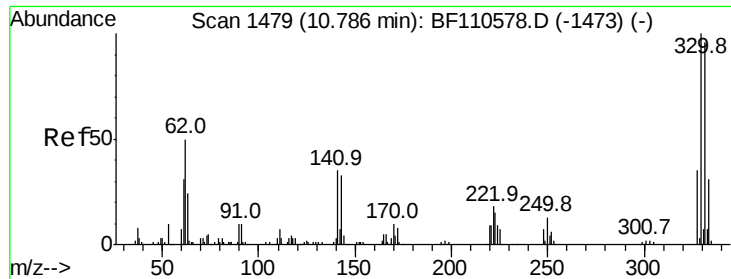
Acq: 21 Nov 2018 14:42

Tgt Ion:	164	Resp:	118766
Ion Ratio	Lower	Upper	
164	100		
162	104.5	83.0	124.6
160	46.8	37.0	55.6



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





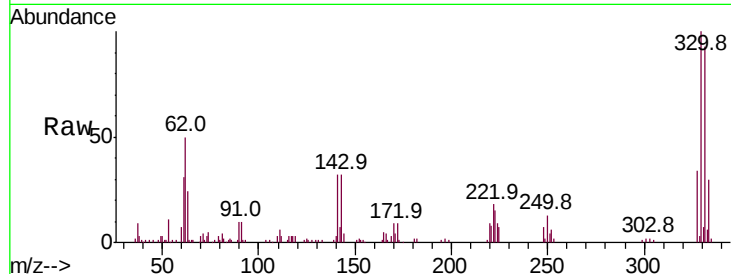
#42
 2,4,6-Tribromophenol
 Concen: 73.078 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110927.D
 Acq: 21 Nov 2018 14:42

Instrument :
 BNA_F
 ClientSampled :
 PS-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.1	115.7
141	38.0	27.0	40.4

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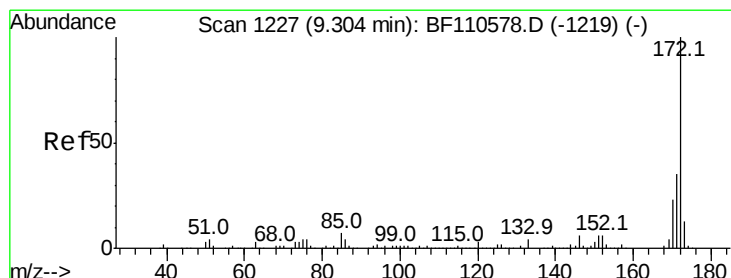
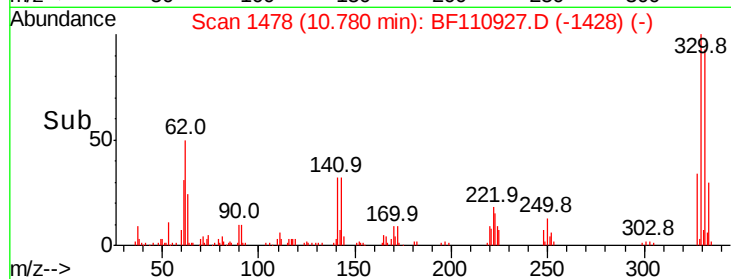
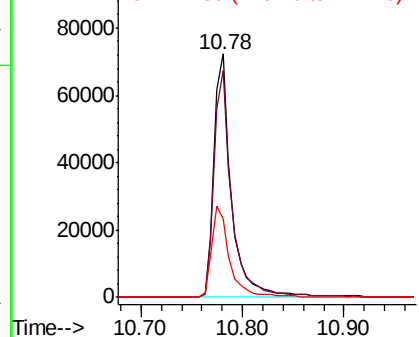


Abundance

Ion 329.80 (329.50 to 330.50): E

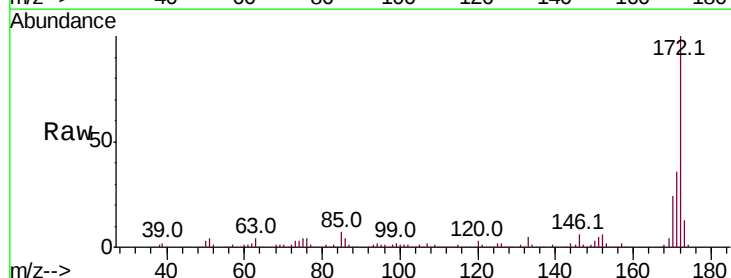
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.371 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF110927.D
 Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.9	19.7	29.5

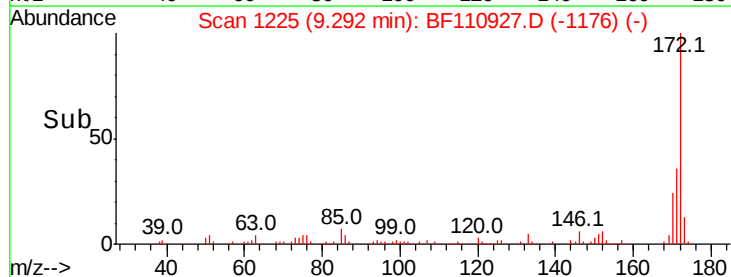
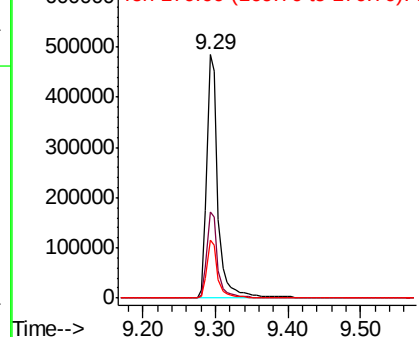


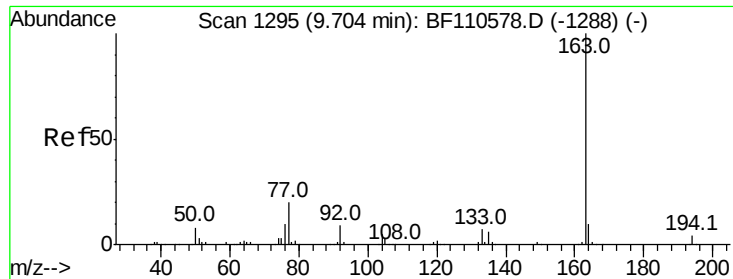
Abundance

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





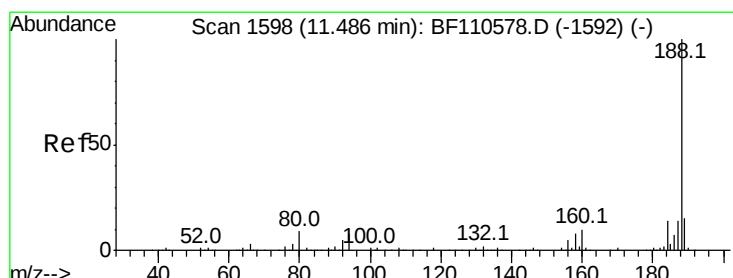
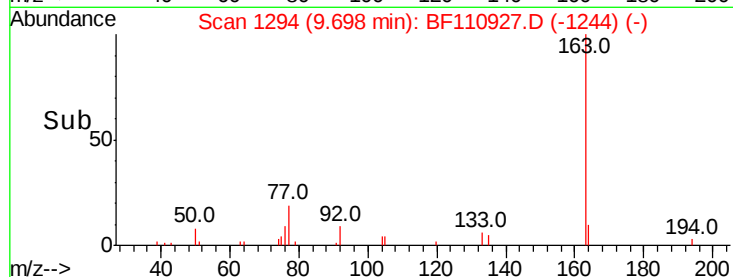
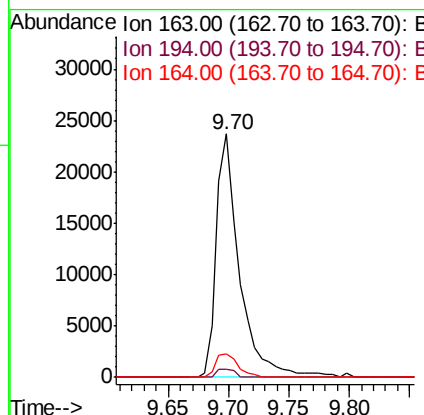
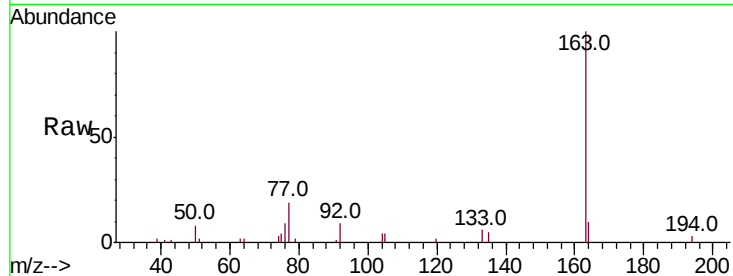
#50
Dimethylphthalate
Concen: 3.540 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Instrument :
BNA_F
ClientSampleId :
PS-SOIL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.2	4.8
164	9.7	8.1	12.1

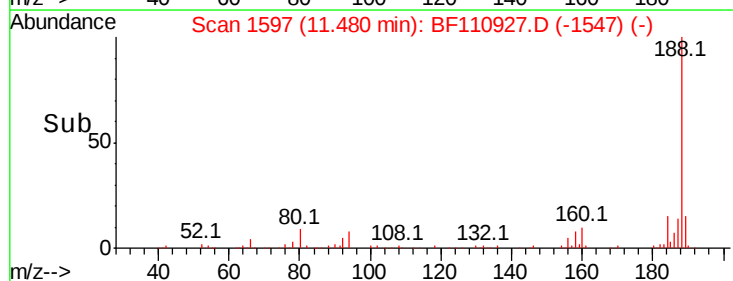
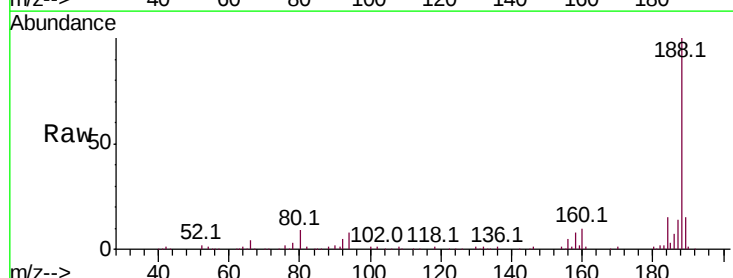
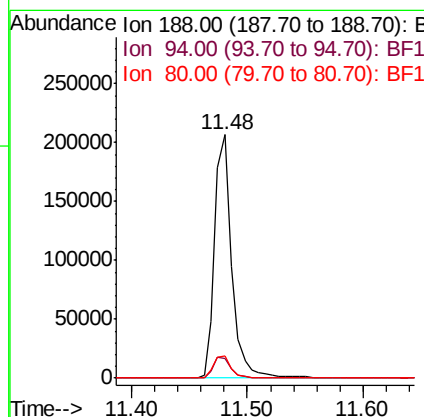
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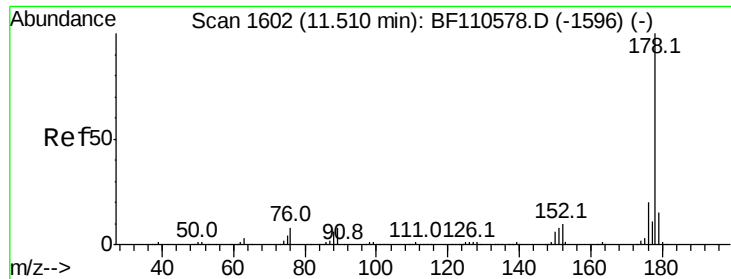
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.2	10.8
80	8.9	7.9	11.9





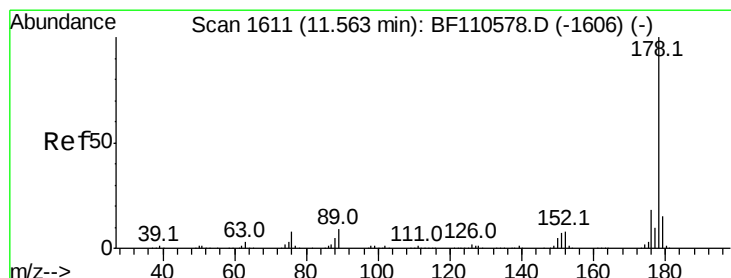
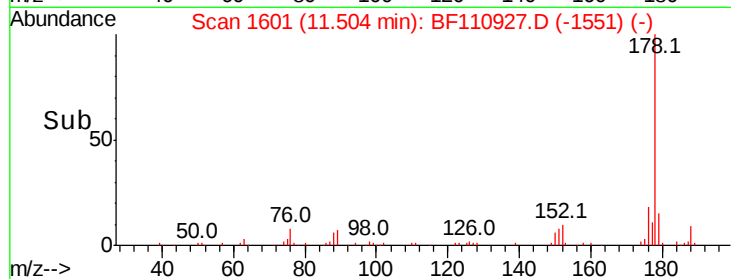
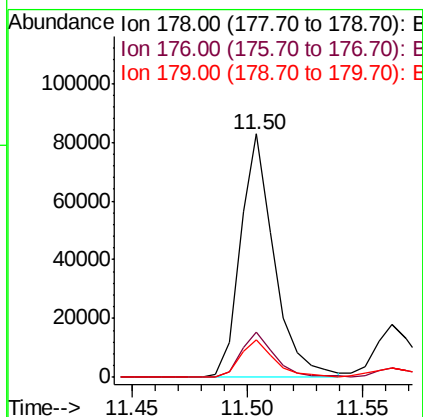
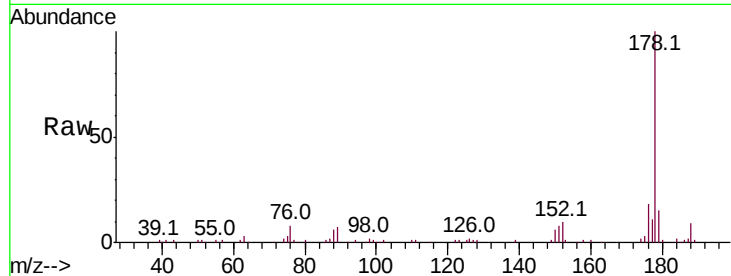
#71
Phenanthrene
Concen: 7.341 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Instrument :
BNA_F
ClientSampleId :
PS-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.4	12.5	18.7

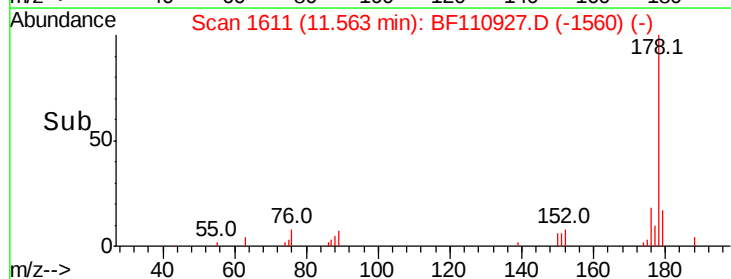
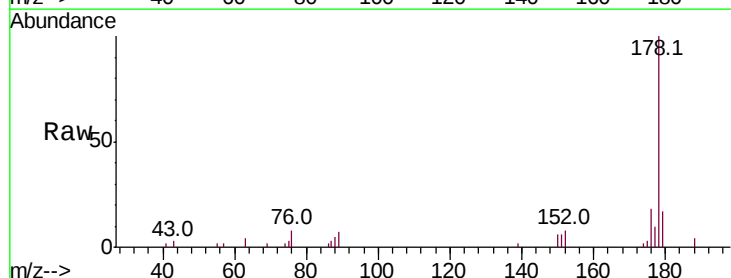
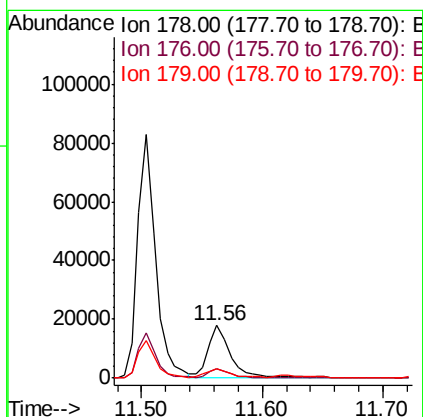
Manual Integrations
APPROVED

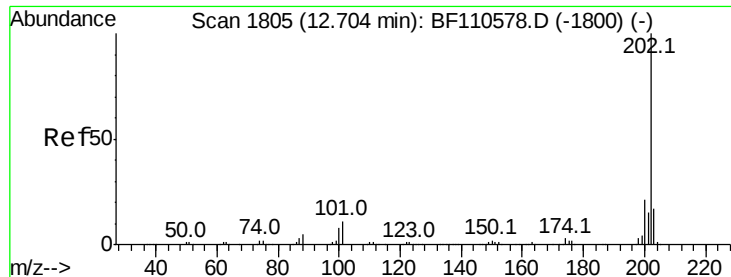
mohammad
11/23/2018 11:48:57 AM



#72
Anthracene
Concen: 2.096 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	17.3	12.6	18.8





#75

Fluoranthene

Concen: 7.879 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110927.D

Acq: 21 Nov 2018 14:42

Instrument :

BNA_F

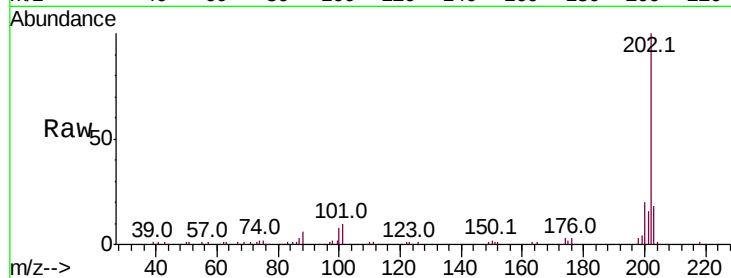
ClientSampleId :

PS-SOIL

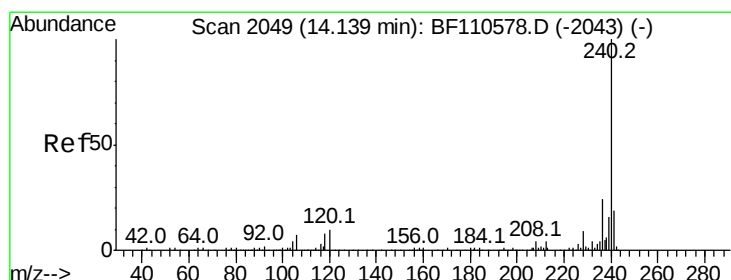
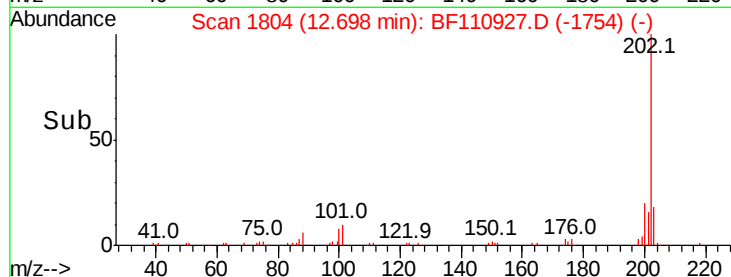
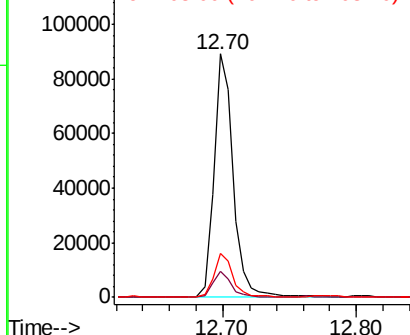
Tot Ion:	202	Resp:	90389
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.4
203	18.2	0.0	37.7

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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

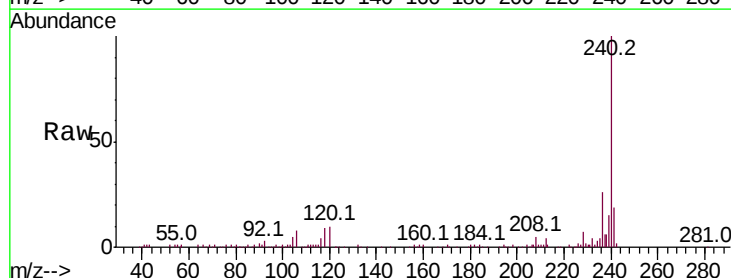
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

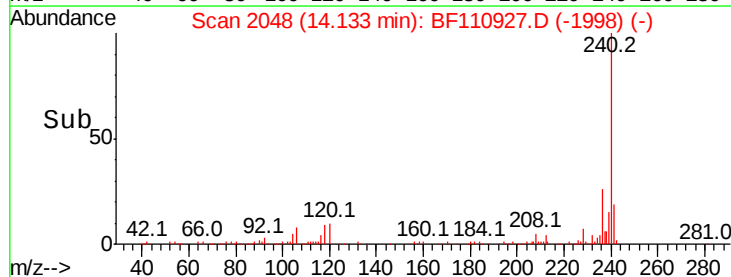
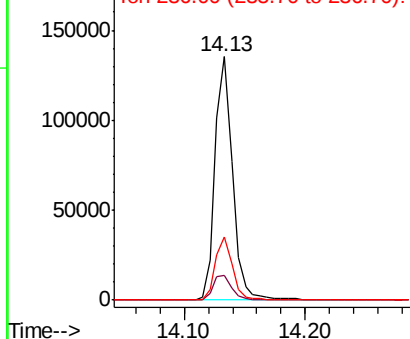
Lab File: BF110927.D

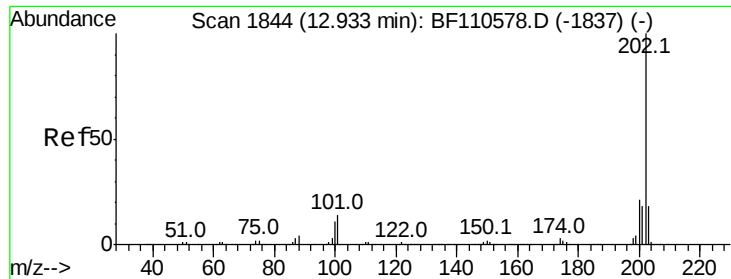
Acq: 21 Nov 2018 14:42

Tgt Ion:	240	Resp:	133970
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.3	12.5
236	26.1	21.2	31.8



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: 8.117 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110927.D

Acq: 21 Nov 2018 14:42

Instrument :

BNA_F

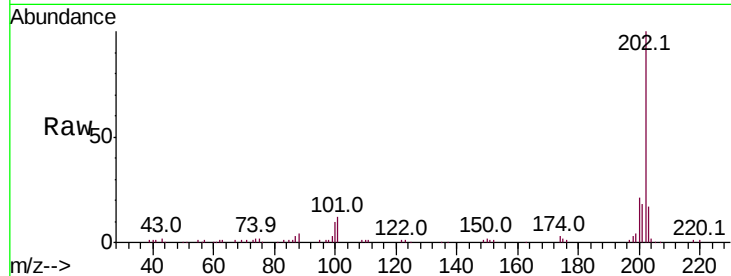
ClientSampled :

PS-SOIL

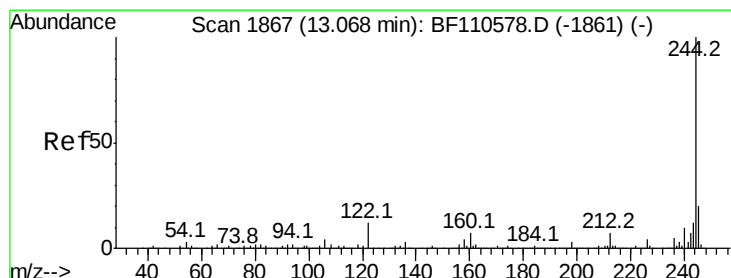
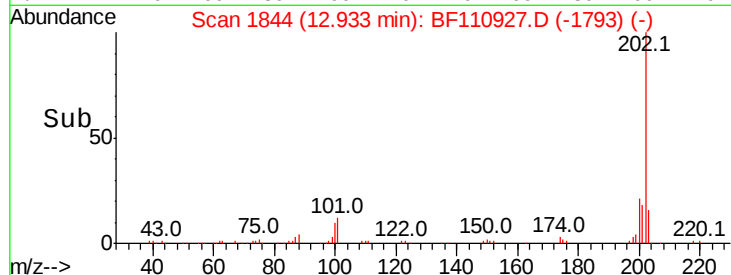
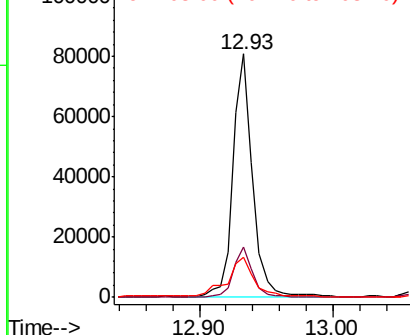
Tot Ion:	202	Resp:	83726
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.8	26.6
203	16.7	14.2	21.4

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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: 52.446 ng

RT: 13.06 min Scan# 1865

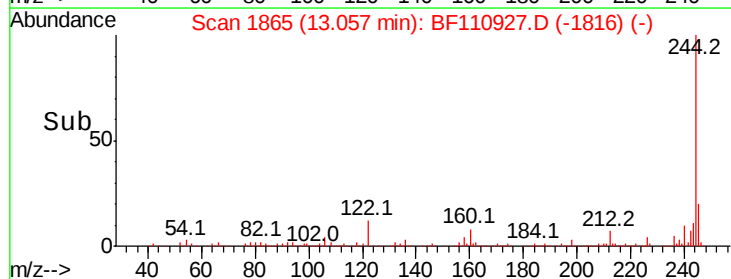
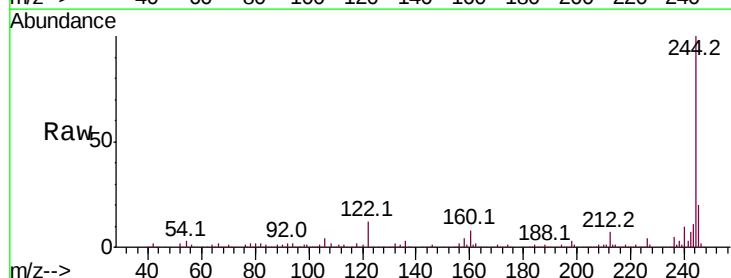
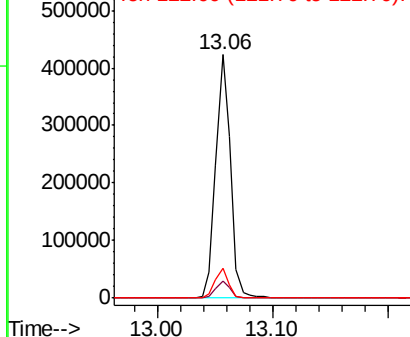
Delta R.T. -0.01 min

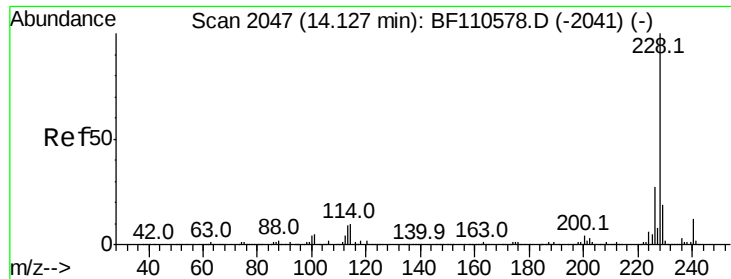
Lab File: BF110927.D

Acq: 21 Nov 2018 14:42

Tgt Ion:	244	Resp:	375179
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	12.2	8.7	13.1

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





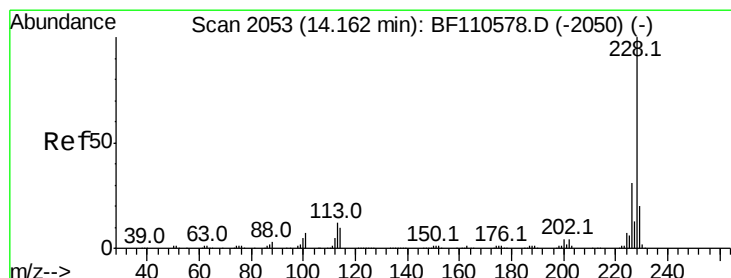
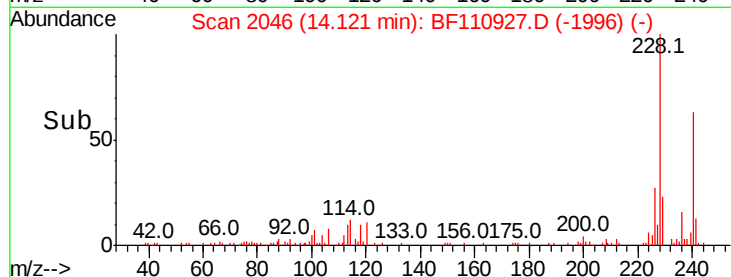
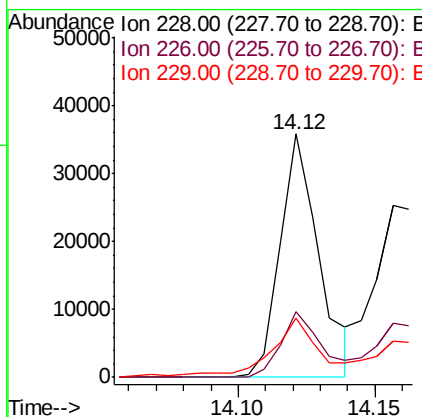
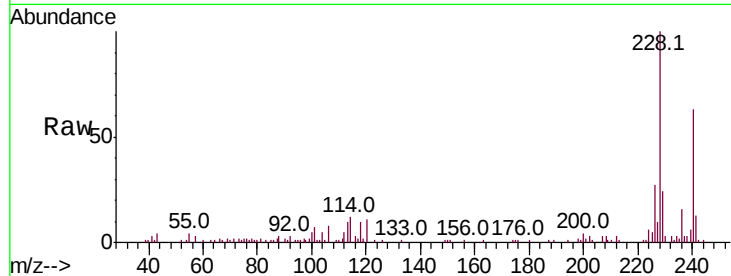
#81
Benzo(a)anthracene
Concen: 4.395 ng m
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Instrument :
BNA_F
ClientSampleId :
PS-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	24.2	15.6	23.4

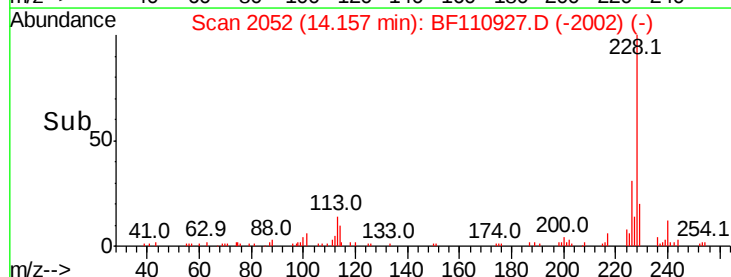
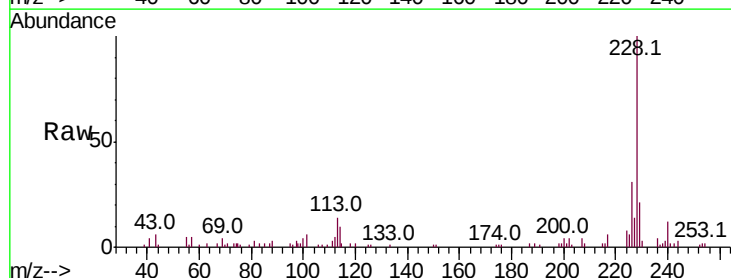
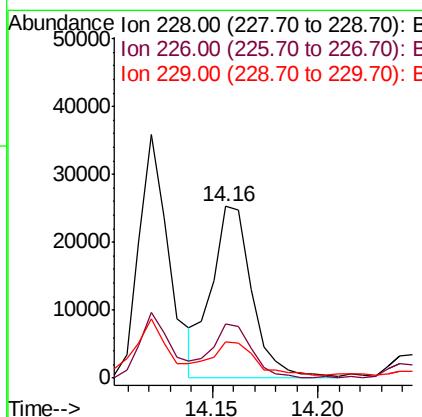
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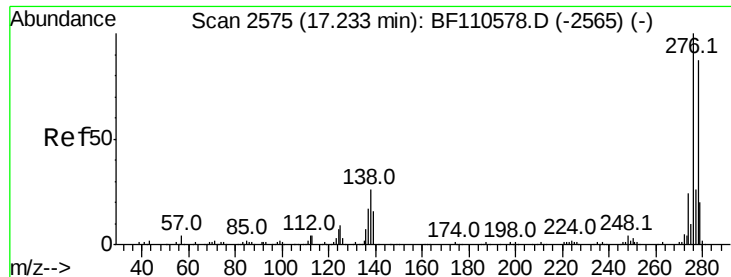
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#83
Chrysene
Concen: 4.456 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.7	37.1
229	21.3	15.9	23.9





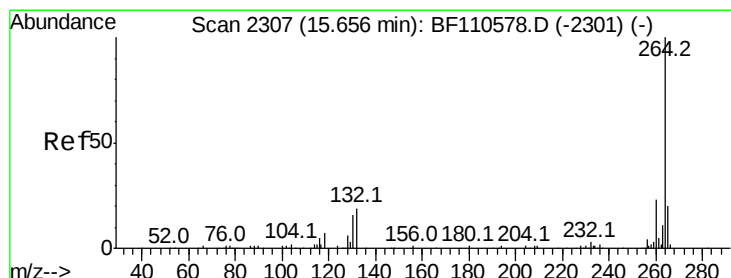
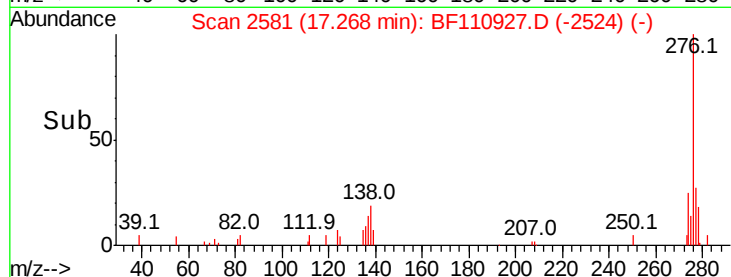
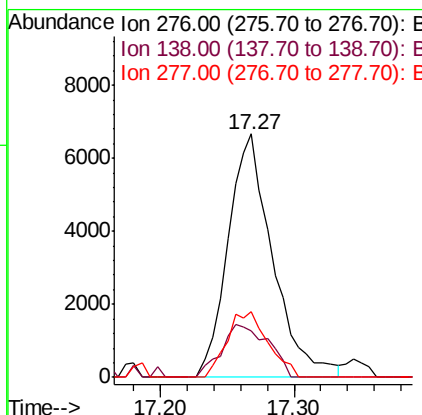
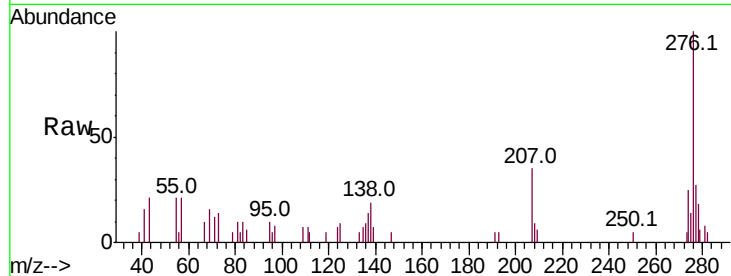
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.833 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. 0.04 min
 Lab File: BF110927.D
 Acq: 21 Nov 2018 14:42

Instrument :
 BNA_F
 ClientSampleId :
 PS-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.5	27.7
277	24.7	20.0	30.0

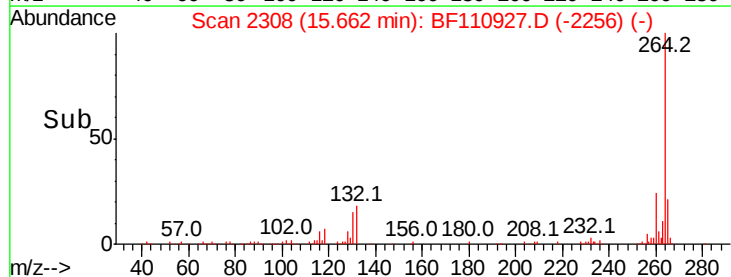
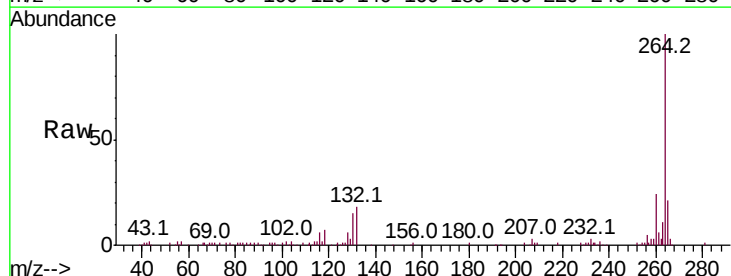
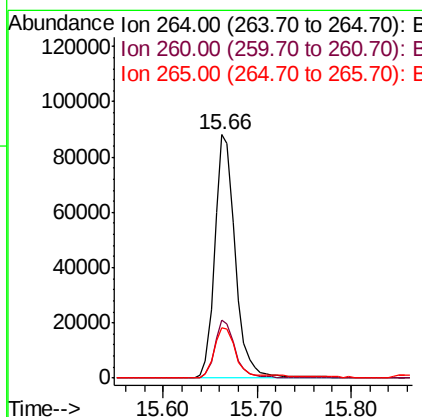
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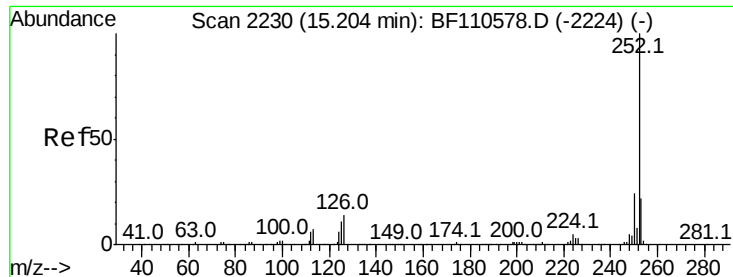
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BF110927.D
 Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	20.7	16.7	25.1





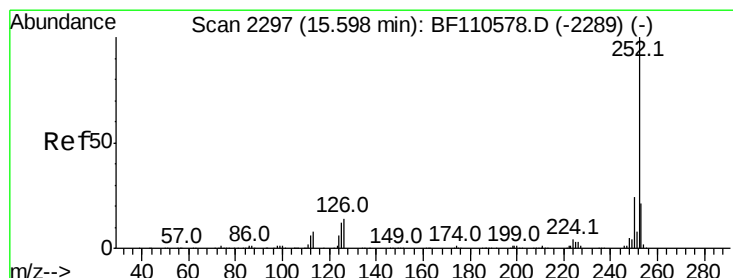
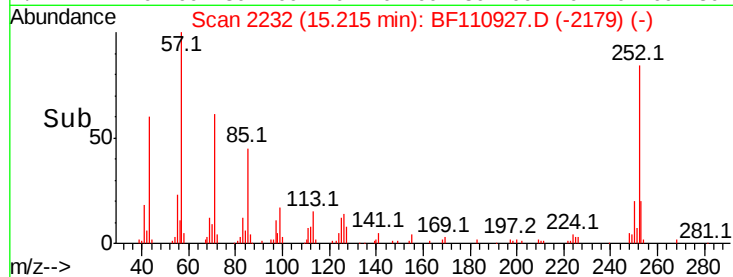
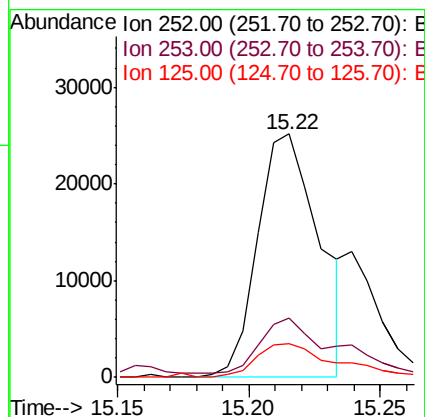
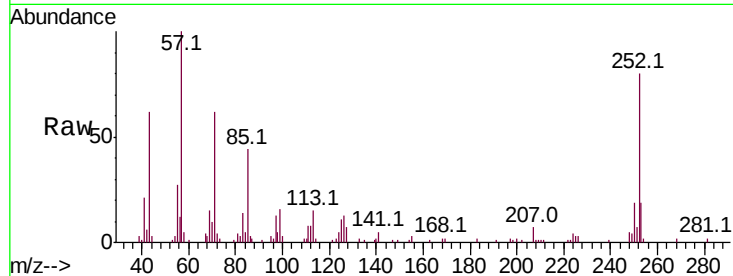
#88
Benzo(b)fluoranthene
Concen: 5.065 ng m
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Instrument :
BNA_F
ClientSampleId :
PS-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	14.0	8.2	12.4

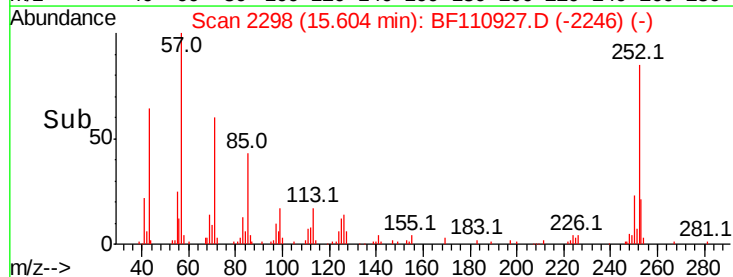
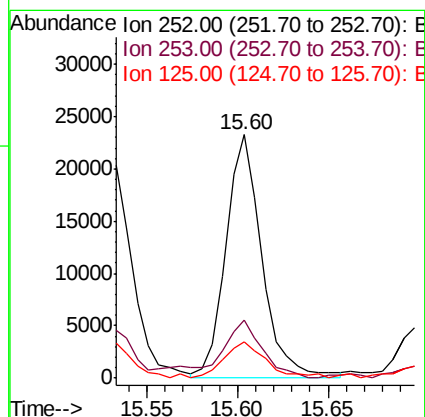
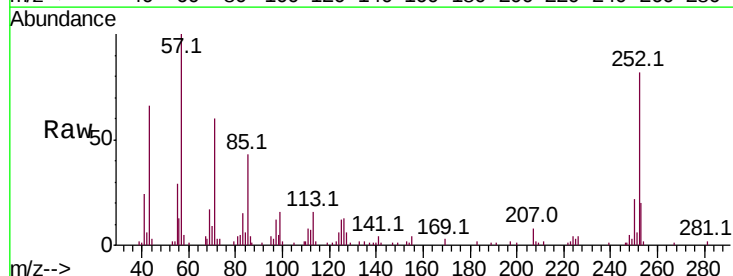
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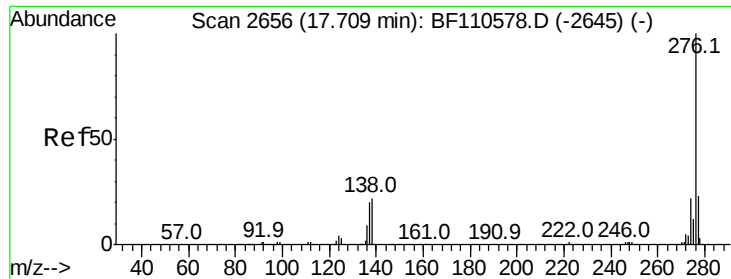
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#90
Benzo(a)pyrene
Concen: 4.396 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110927.D
Acq: 21 Nov 2018 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	15.1	9.0	13.6





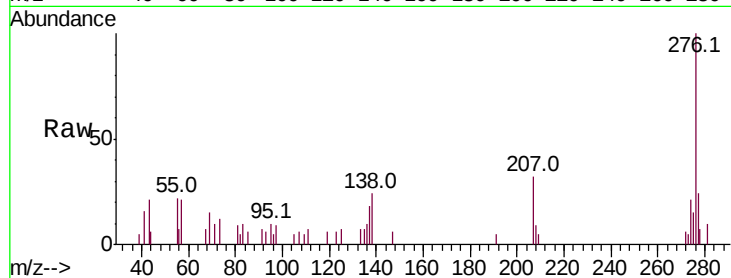
#92
 Benzo(a,h,i)perylene
 Concen: 2.636 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. 0.04 min
 Lab File: BF110927.D
 Acq: 21 Nov 2018 14:42

Instrument :
 BNA_F
 ClientSampleId :
 PS-SOIL

Tot Ion:	276	Resp:	16246
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	23.6	16.0	24.0

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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

