

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108246.D
 Acq On : 17 Aug 2018 16:36
 Operator : JU/SJ
 Sample : J4516-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Manual Integrations
 APPROVED

Sohil
 8/20/2018 12:48:26 PM

Quant Time: Aug 20 11:41:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	139117	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	524876	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	260123	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	499948	20.00	ng	0.00
75) Chrysene-d12	14.21	240	437232	20.00	ng	0.00
86) Perylene-d12	15.78	264	386322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	732626	95.34	ng	0.00
7) Phenol-d6	6.63	99	964913	94.50	ng	0.00
23) Nitrobenzene-d5	7.58	82	635607	67.57	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	263433	101.53	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1179127	72.78	ng	0.00
78) Terphenyl-d14	13.14	244	1274233	74.10	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	109595	6.048	ng	Qvalue # 99
51) Acenaphthene	10.09	154	38131	2.598	ng	97
70) Phenanthrene	11.58	178	526933	22.346	ng	99
71) Anthracene	11.63	178	86673	3.586	ng	99
72) Carbazole	11.78	167	75208	3.502	ng	99
74) Fluoranthene	12.78	202	959778	37.294	ng	96
77) Pyrene	13.01	202	850359	30.720	ng	100
80) Benzo(a)anthracene	14.20	228	465296	18.543	ng	98
82) Chrysene	14.24	228	437907	19.036	ng	98
85) Indeno(1,2,3-cd)pyrene	17.39	276	140999	7.074	ng	# 87
87) Benzo(b)fluoranthene	15.31	252	552952m	23.954	ng	
88) Benzo(k)fluoranthene	15.34	252	186595m	8.793	ng	
89) Benzo(a)pyrene	15.71	252	327686	15.852	ng	96
90) Dibenzo(a,h)anthracene	17.40	278	38163	2.231	ng	94
91) Benzo(a,h,i)perylene	17.89	276	133479	7.926	ng	# 90

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

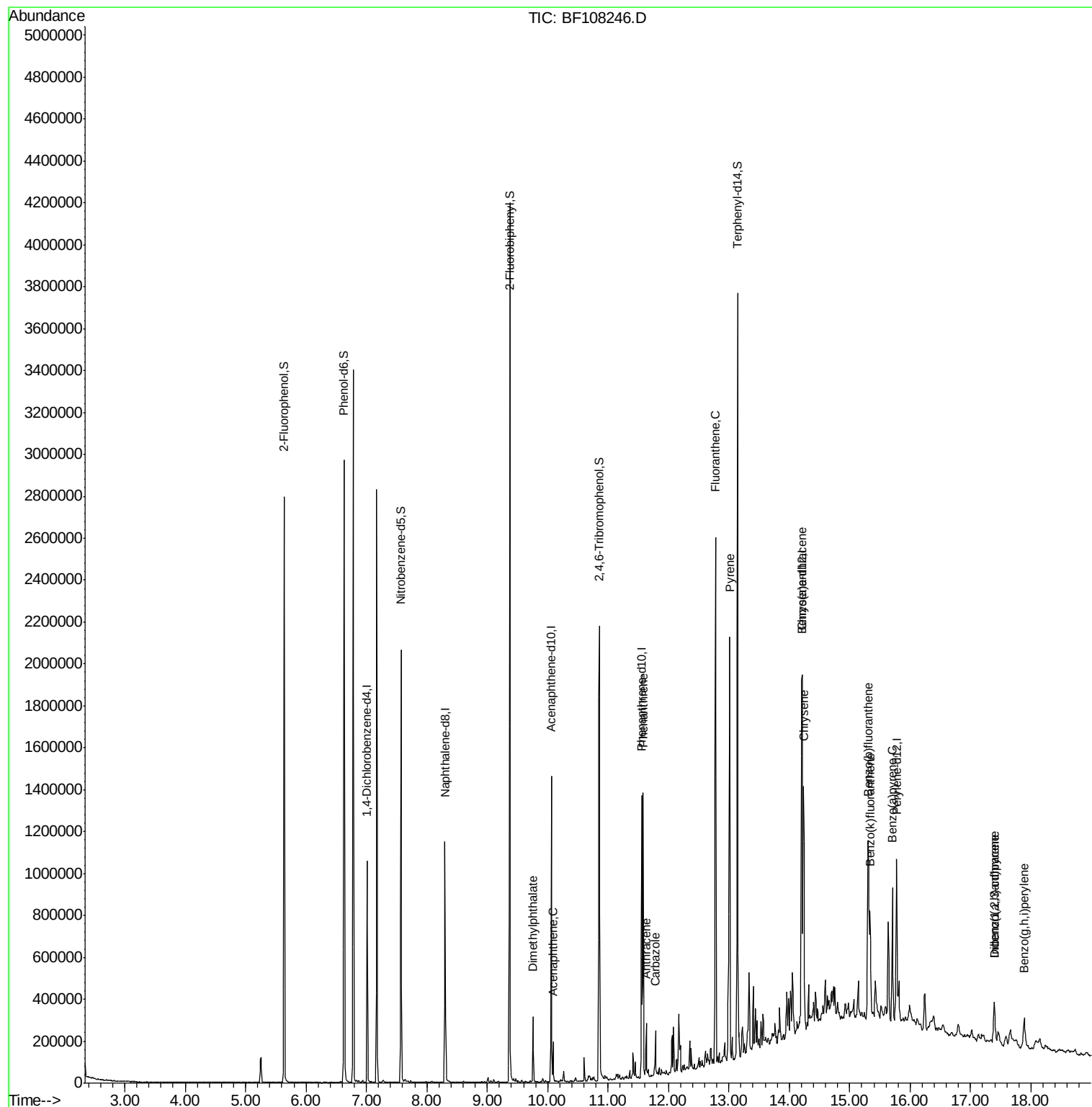
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108246.D
Acq On : 17 Aug 2018 16:36
Operator : JU/SJ
Sample : J4516-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

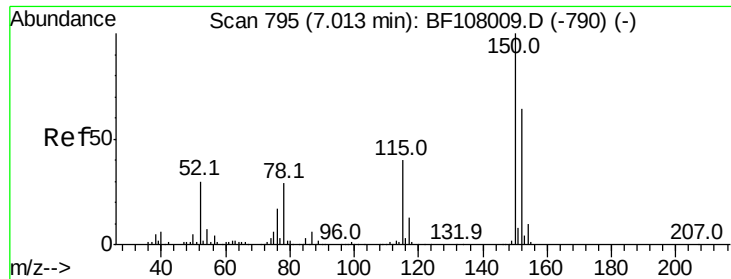
Instrument :
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Quant Time: Aug 20 11:41:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

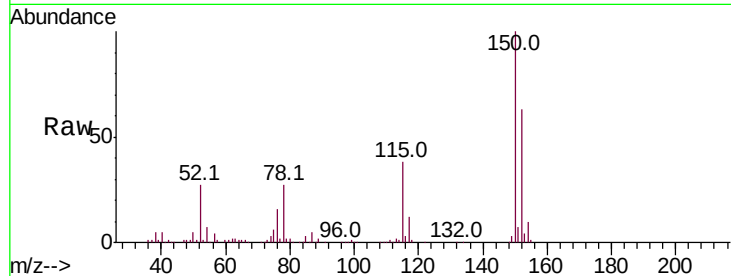
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Instrument :
BNA_F
ClientSampled :
ND-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	60.1	50.1	75.1

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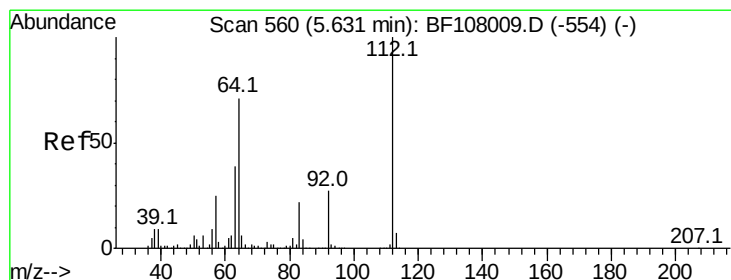
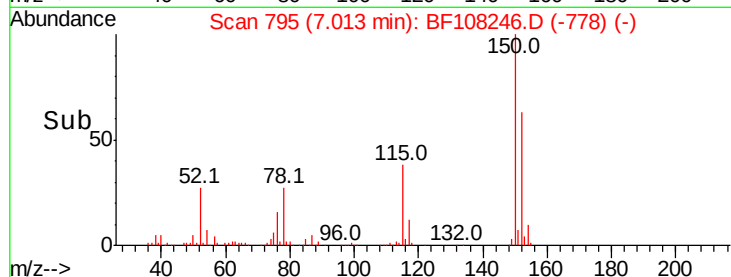
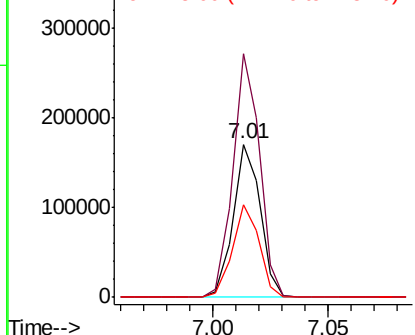


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

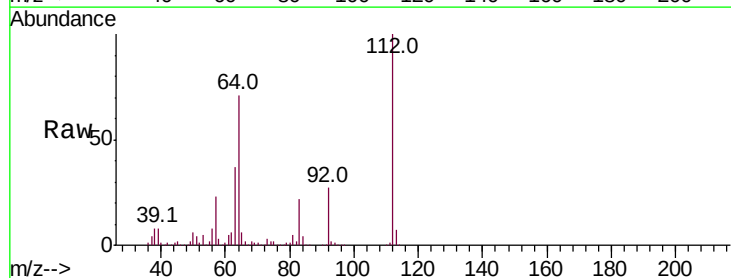
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.343 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	47.9	71.9
63	37.4	23.7	35.5

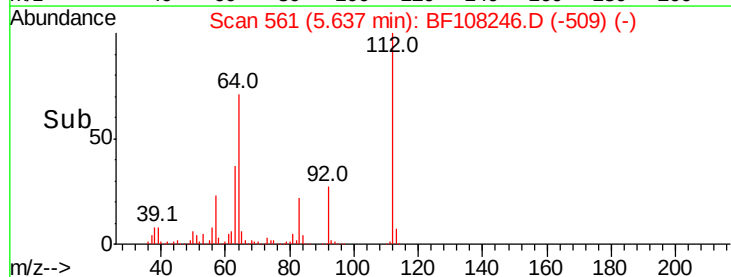
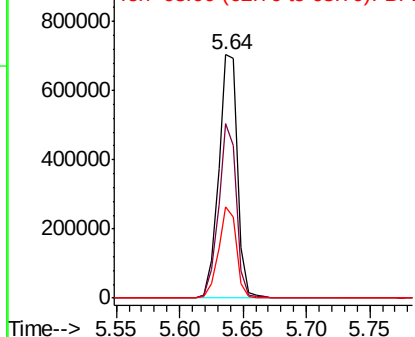


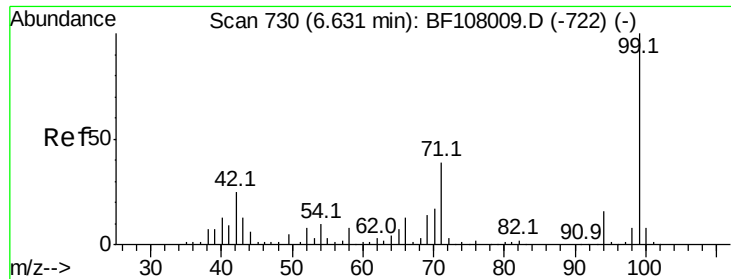
Abundance

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: 94.496 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Instrument :

BNA_F

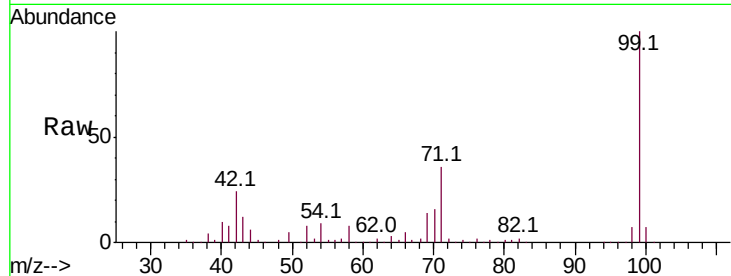
ClientSampled :

ND-SOIL

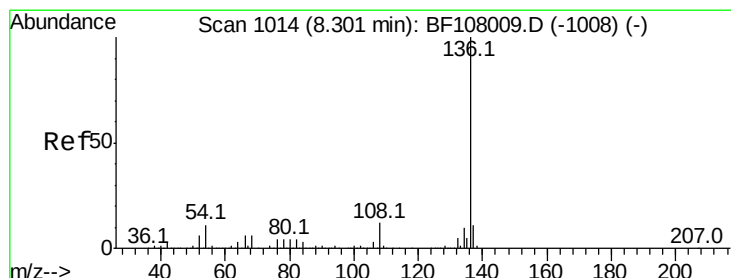
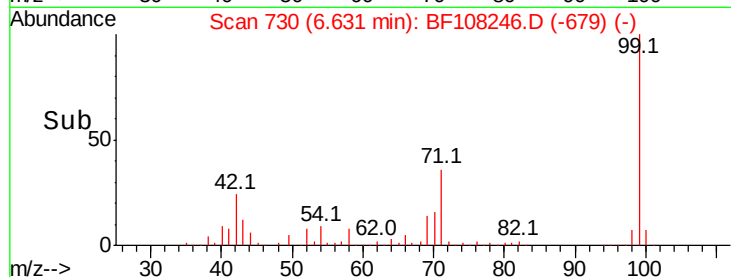
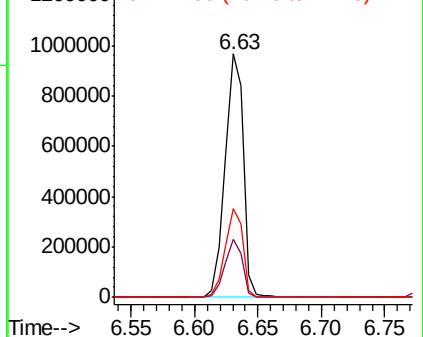
Tot Ion:	99	Resp:	964913
Ion Ratio	Lower	Upper	
99	100		
42	23.8	14.5	21.7#
71	36.2	25.4	38.0

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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: 8.30 min Scan# 1014

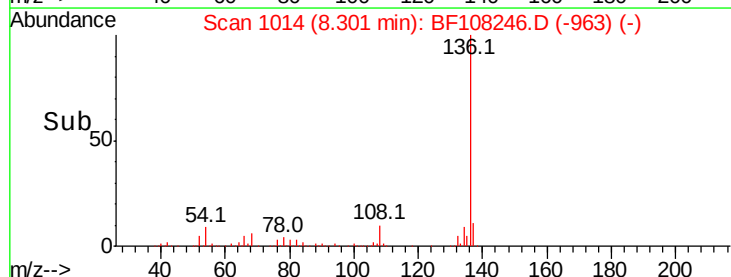
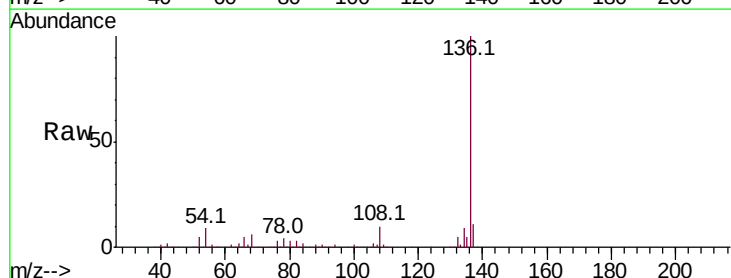
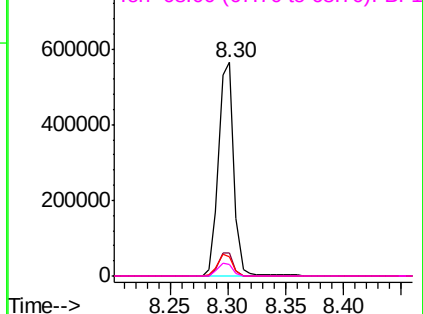
Delta R.T. 0.00 min

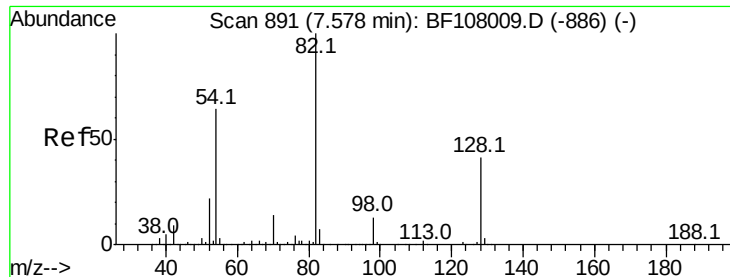
Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Tgt Ion:	136	Resp:	524876
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	9.1	6.6	9.8
68	5.5	5.0	7.4

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





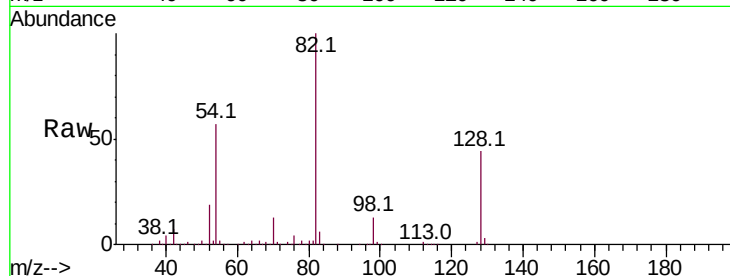
#23
 Nitrobenzene-d5
 Concen: 67.574 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108246.D
 Acq: 17 Aug 2018 16:36

Instrument :
 BNA_F
 ClientSampled :
 ND-SOIL

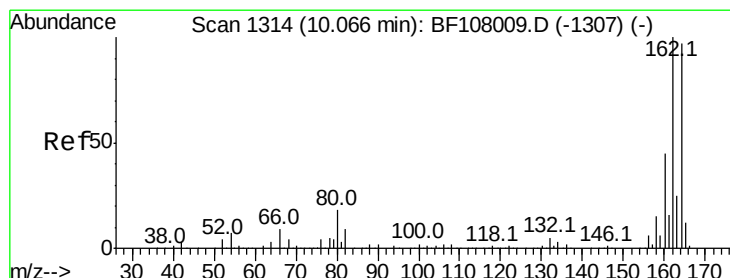
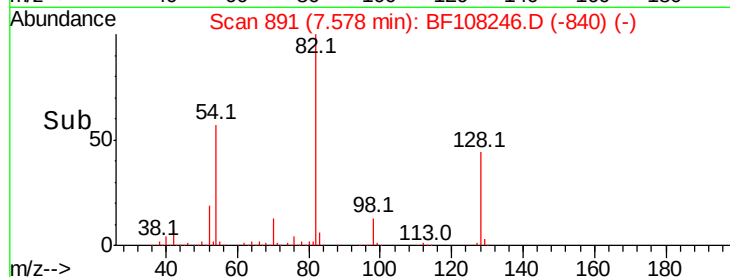
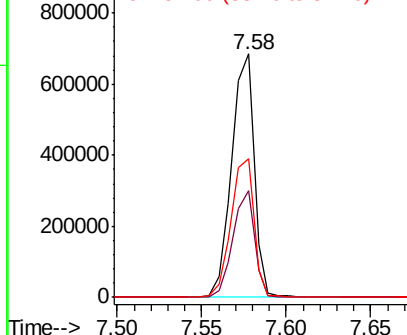
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	57.0	41.4	62.2

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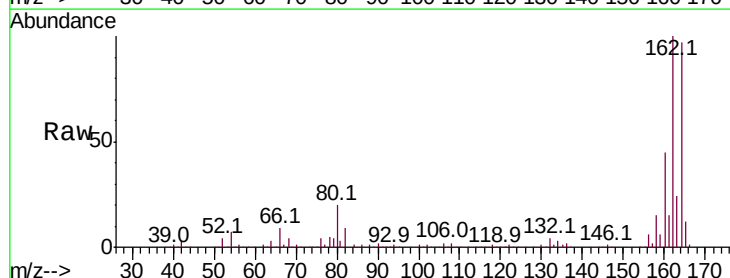


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

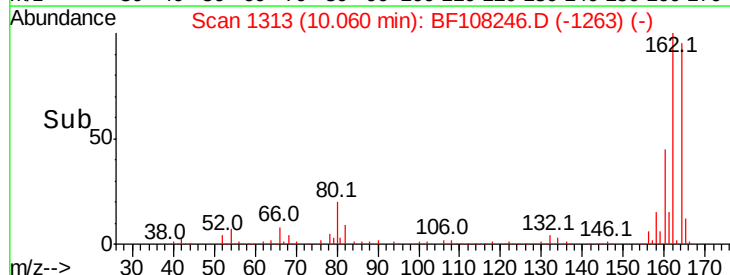
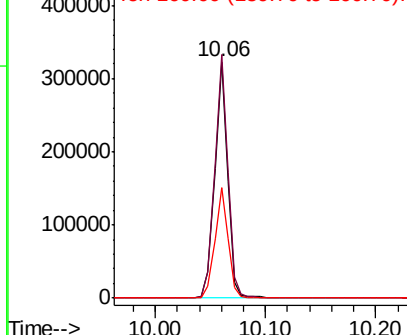


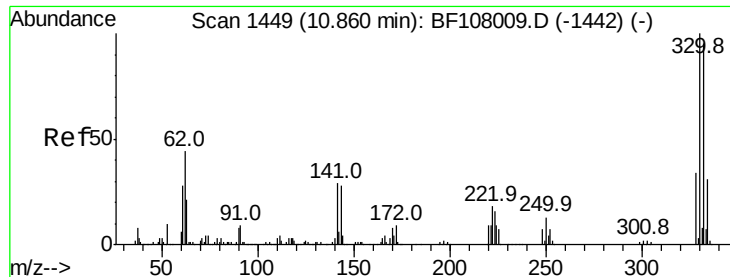
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108246.D
 Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	46.5	38.3	57.5



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





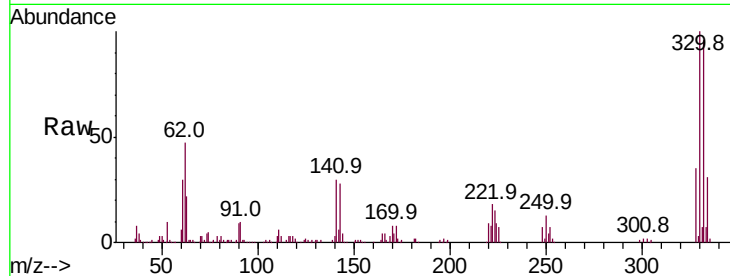
#41
2,4,6-Tribromophenol
Concen: 101.529 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Instrument :
BNA_F
ClientSampled :
ND-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	263433		
332	96.4	77.0	115.6	
141	33.2	29.9	44.9	

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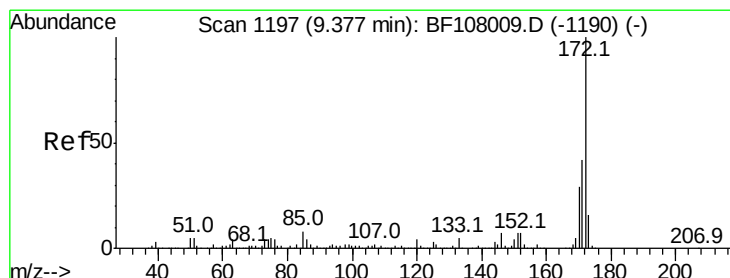
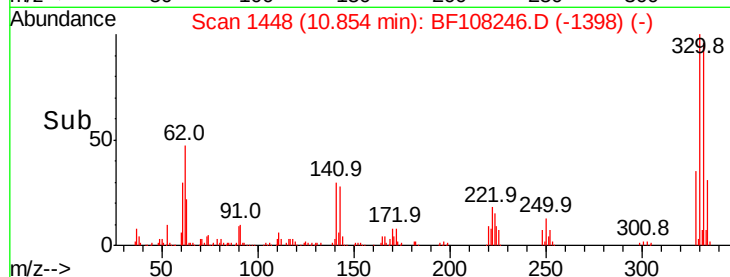
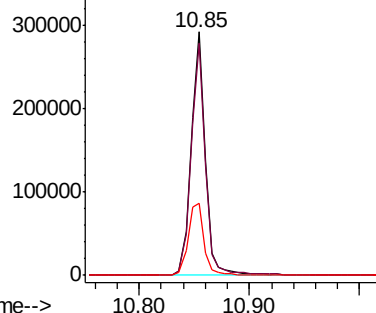


Abundance

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



#44
2-Fluorobiphenyl
Concen: 72.775 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

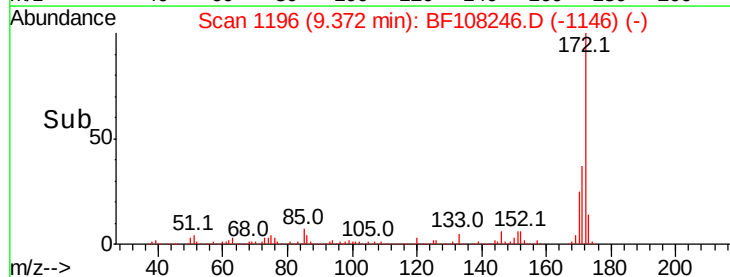
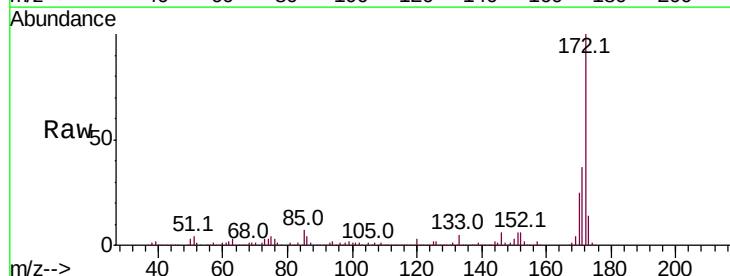
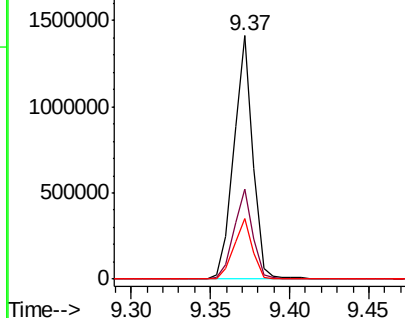
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1179127		
171	37.1	29.7	44.5	
170	24.7	19.6	29.4	

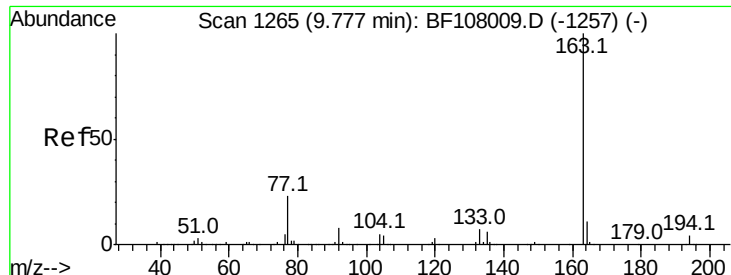
Abundance

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





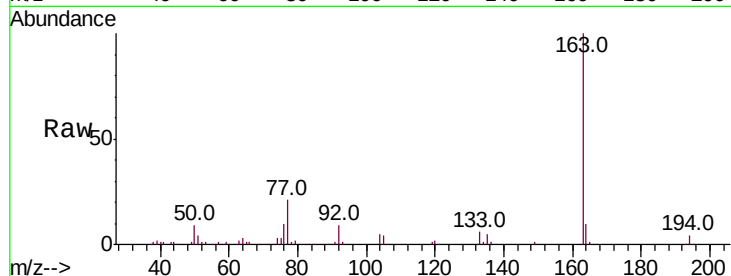
#49
Dimethylphthalate
Concen: 6.048 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Instrument :
BNA_F
ClientSampled :
ND-SOIL

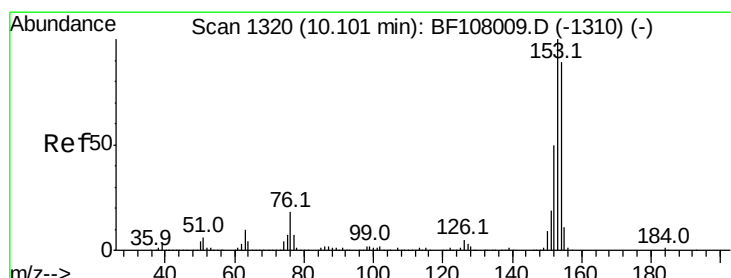
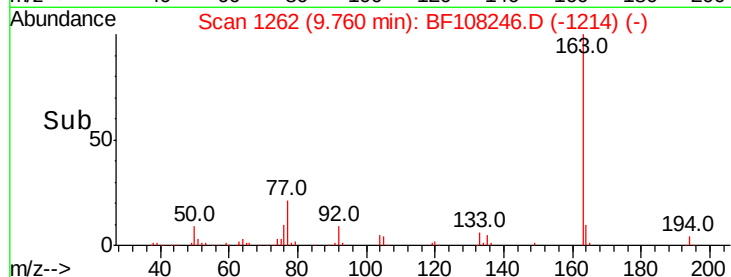
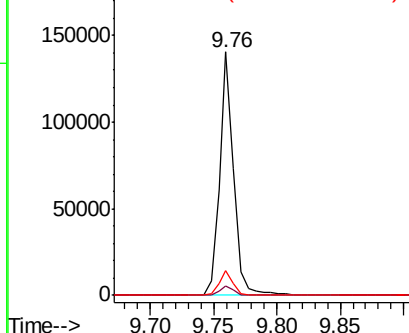
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	10.4	8.2	12.2	

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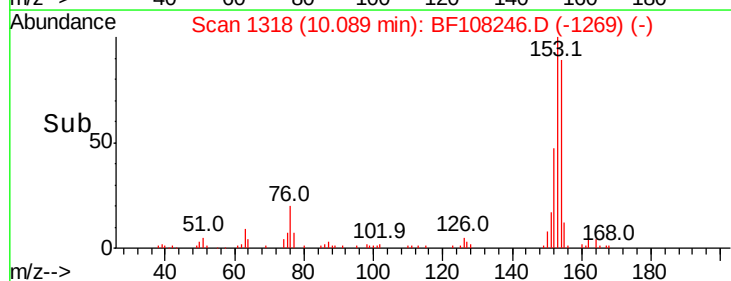
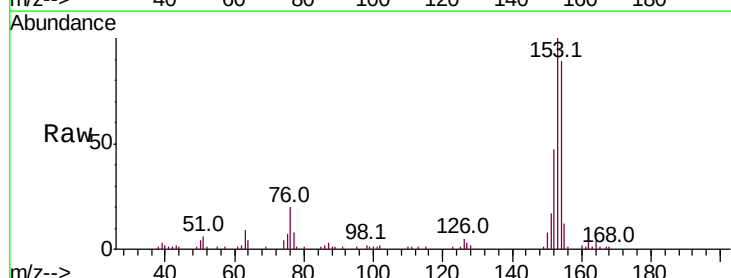
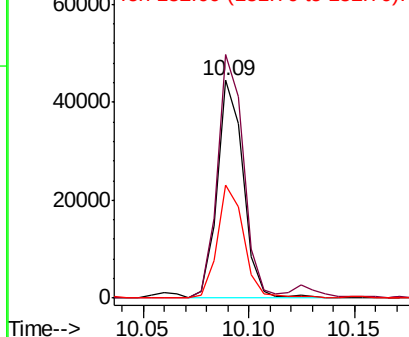
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

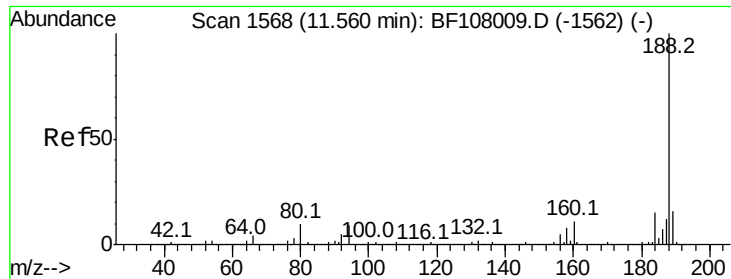


#51
Acenaphthene
Concen: 2.598 ng
RT: 10.09 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.8	91.2	136.8	
152	52.2	43.8	65.8	

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





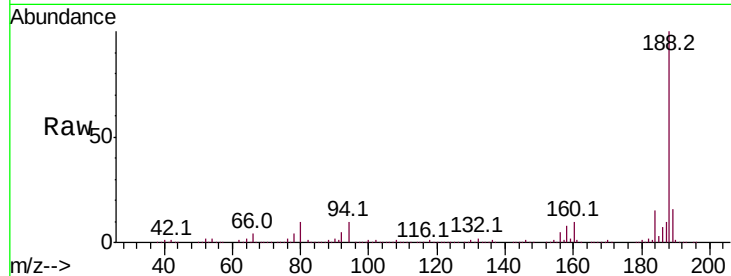
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Instrument :
BNA_F
ClientSampled :
ND-SOIL

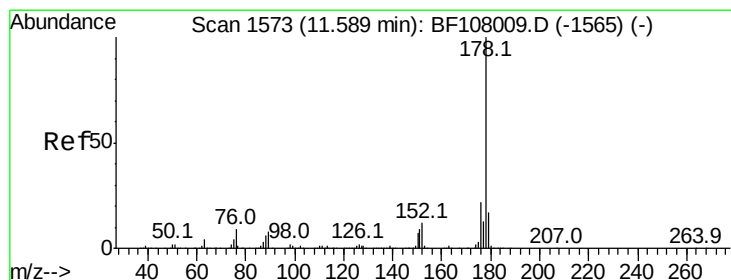
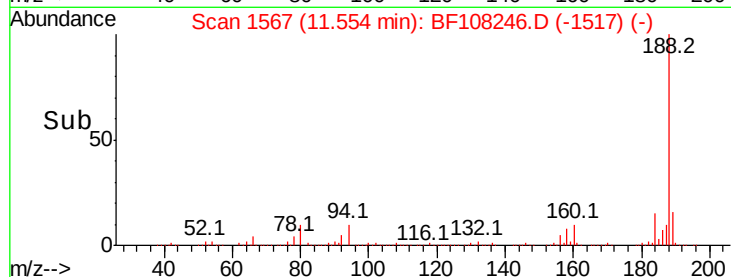
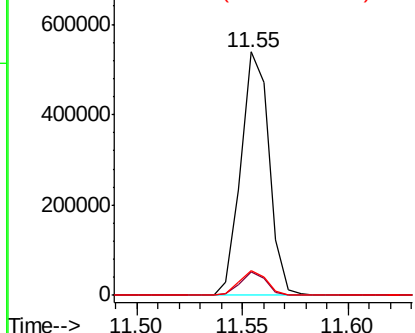
Tot Ion	Ratio	Resp	Lower	Upper
188	100	499948		
94	9.6		8.5	12.7
80	10.2		9.2	13.8

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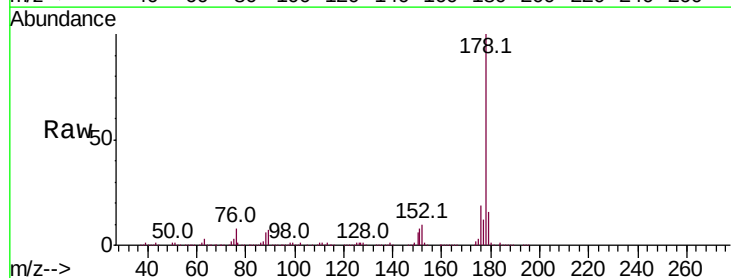


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

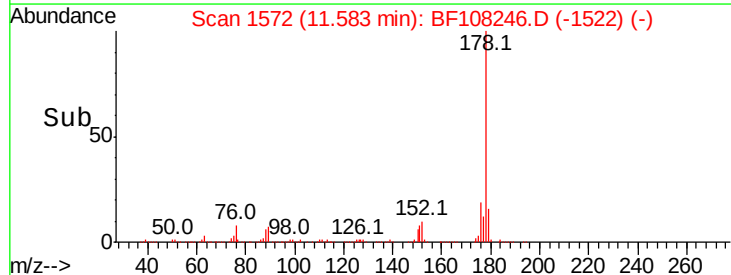
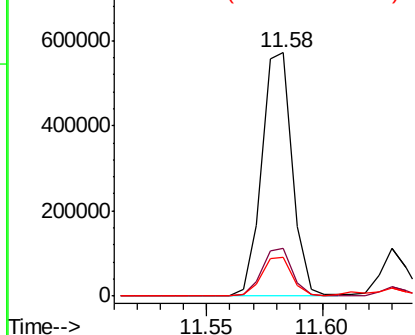


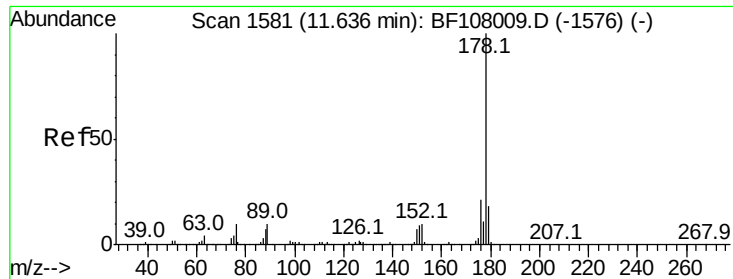
#70
Phenanthrene
Concen: 22.346 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	526933		
176	19.4		15.8	23.8
179	15.7		13.0	19.6



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





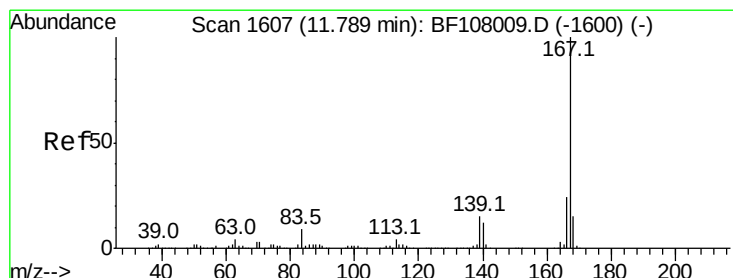
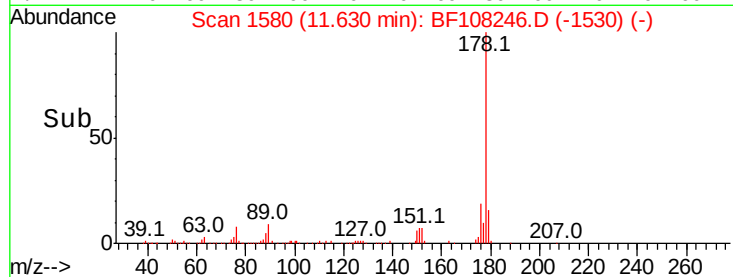
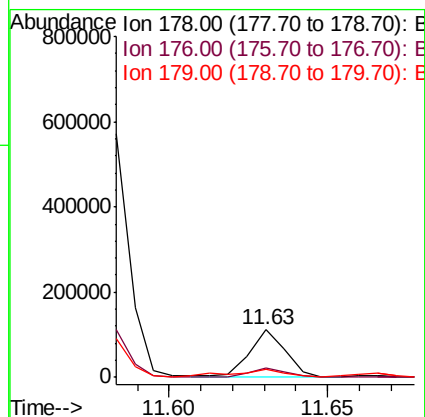
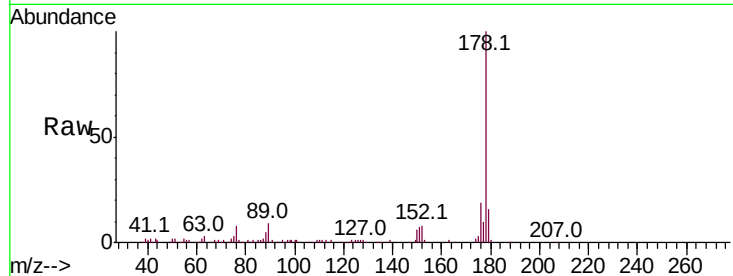
#71
 Anthracene
 Concen: 3.586 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108246.D
 Acq: 17 Aug 2018 16:36

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Tot Ion:	178	Resp:	86673
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.2
179	16.4	12.6	19.0

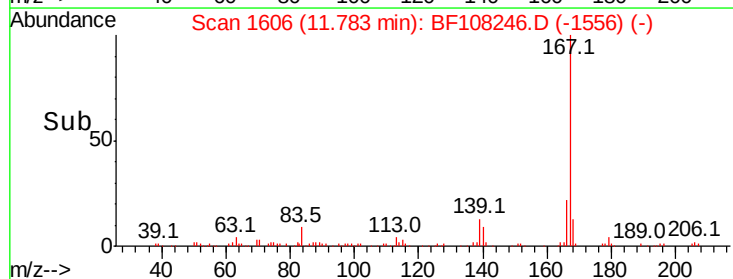
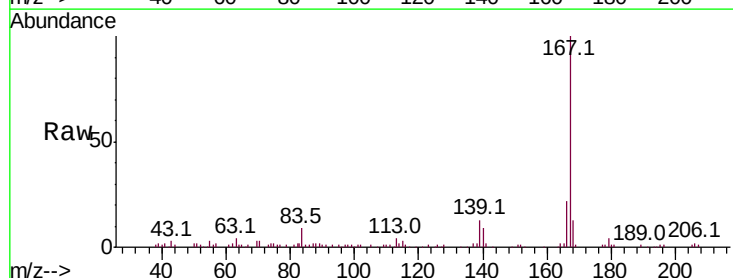
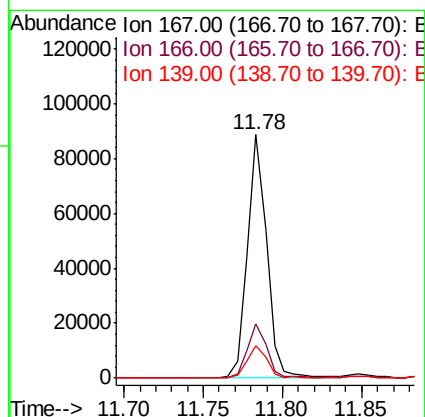
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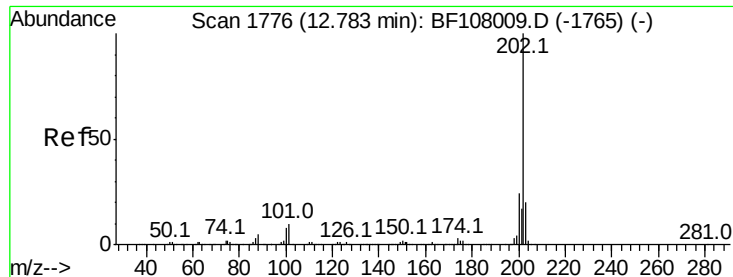
Sohil
 8/20/2018 12:48:26 PM



#72
 Carbazole
 Concen: 3.502 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108246.D
 Acq: 17 Aug 2018 16:36

Tgt Ion:	167	Resp:	75208
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.6	26.4
139	13.4	10.9	16.3





#74

Fluoranthene

Concen: 37.294 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Instrument :

BNA_F

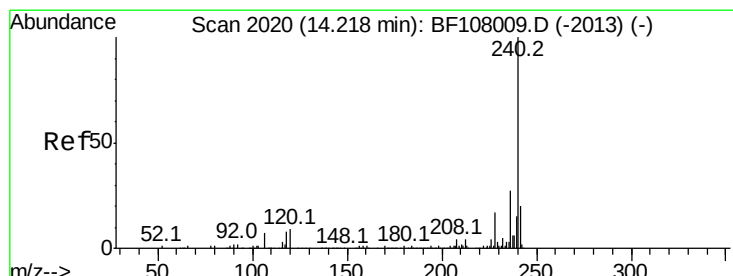
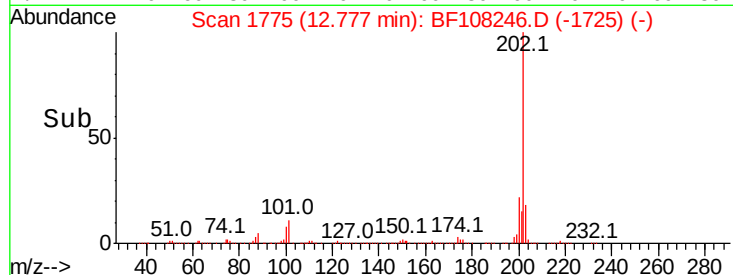
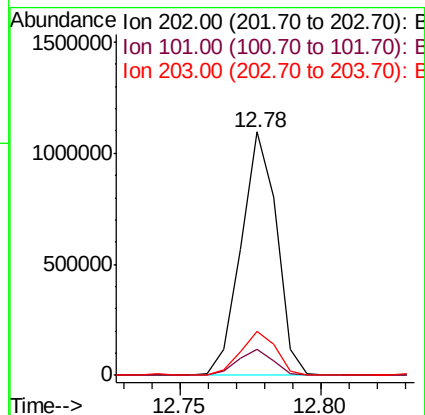
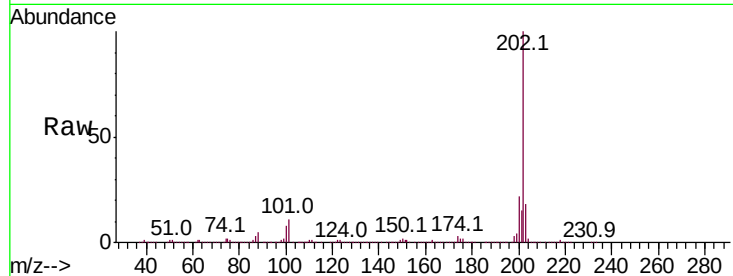
ClientSampleId :

ND-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.9	0.0	34.1		
203	17.9	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

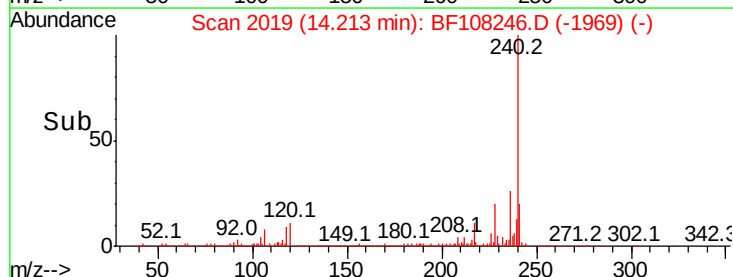
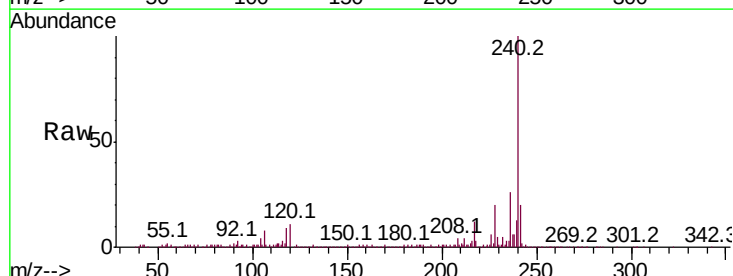
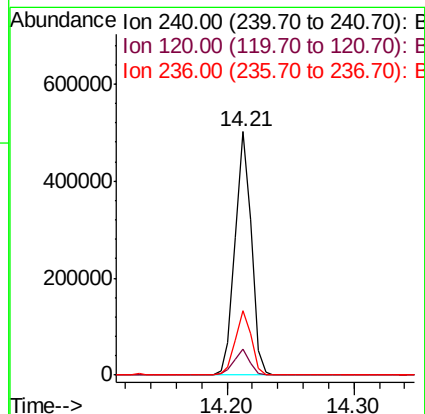
RT: 14.21 min Scan# 2019

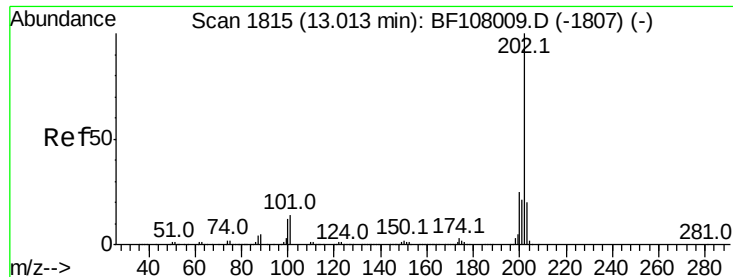
Delta R.T. -0.01 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.7	9.5	14.3		
236	26.2	20.7	31.1		





#77

Pvrene

Concen: 30.720 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Instrument :

BNA_F

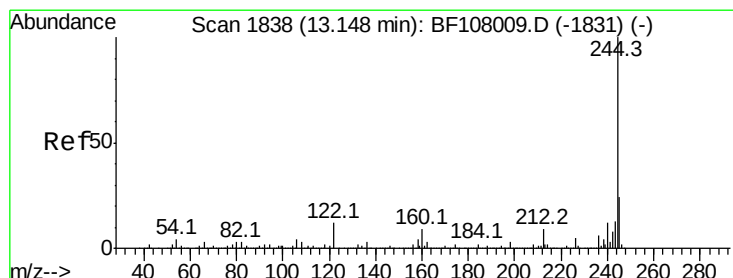
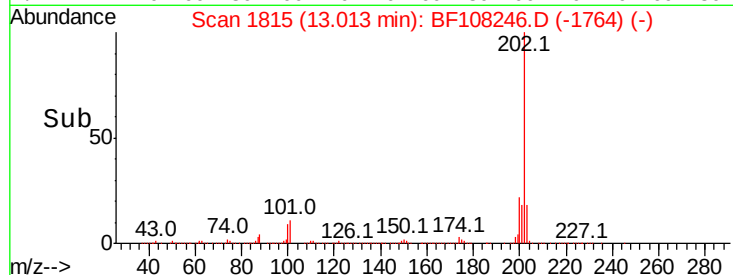
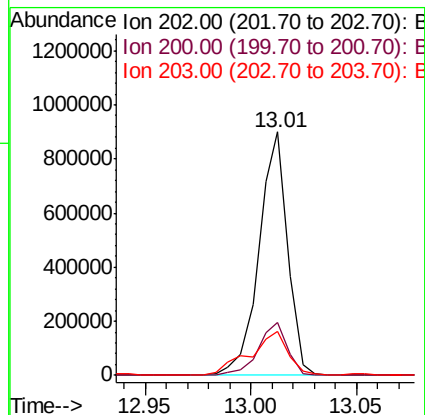
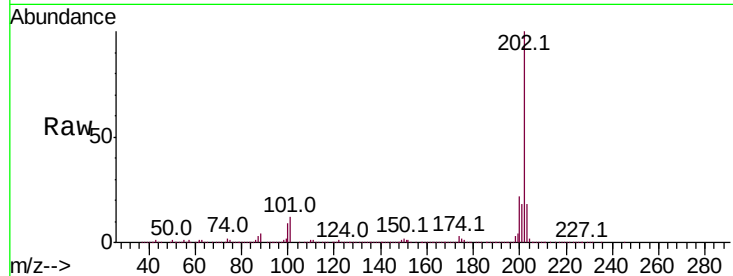
ClientSampleId :

ND-SOIL

Tot Ion:	202	Resp:	850359
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 74.099 ng

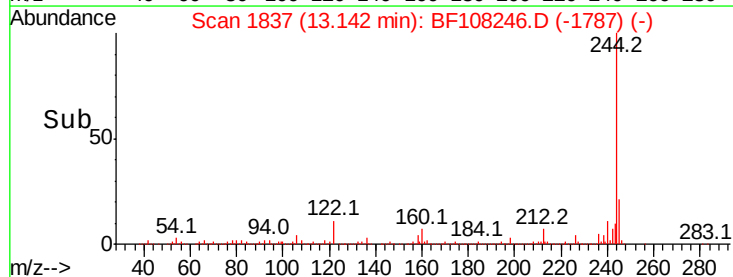
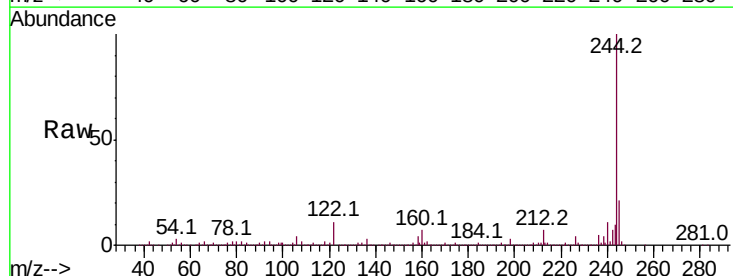
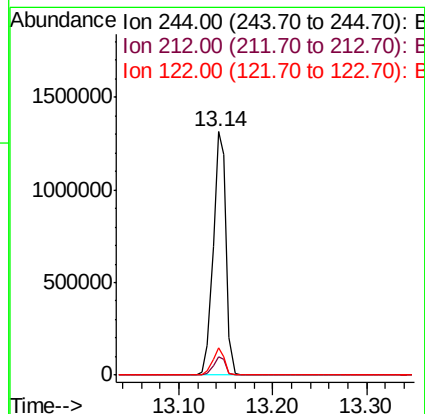
RT: 13.14 min Scan# 1837

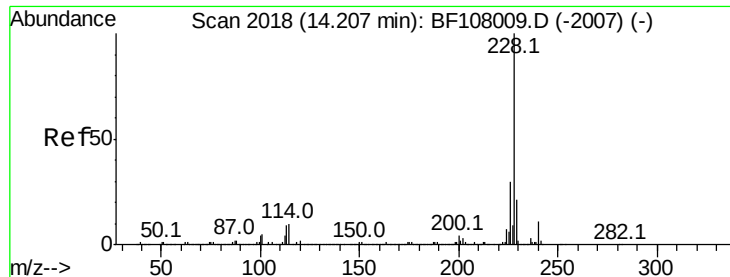
Delta R.T. -0.01 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Tgt Ion:	244	Resp:	1274233
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.4	8.0
122	11.1	11.0	16.4





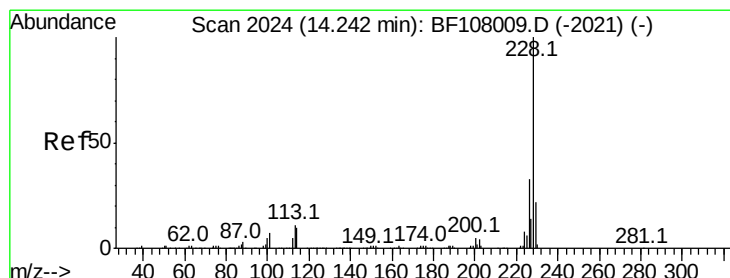
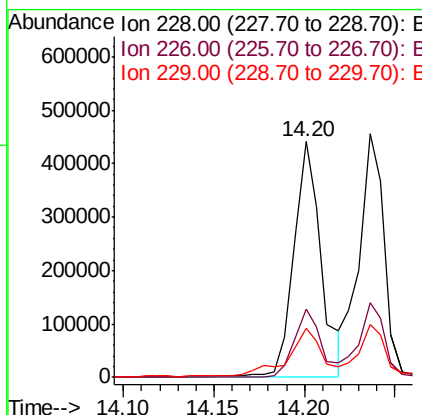
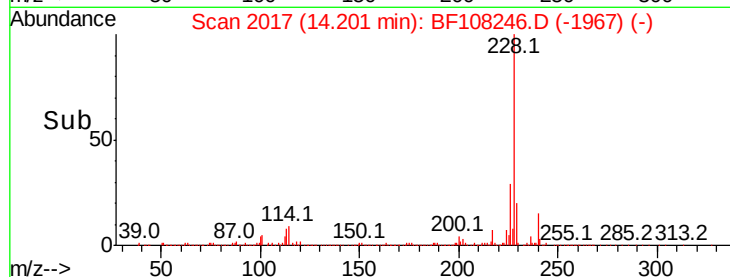
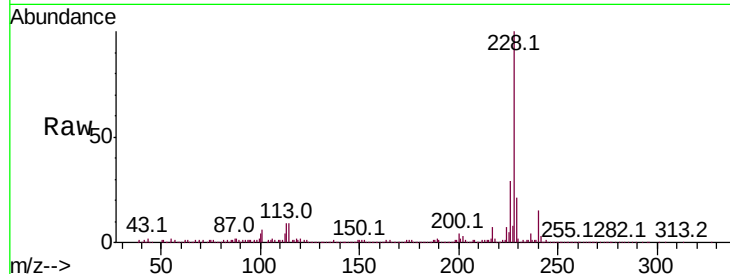
#80
Benzo(a)anthracene
Concen: 18.543 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Instrument :
BNA_F
ClientSampleId :
ND-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.6	15.8	23.6

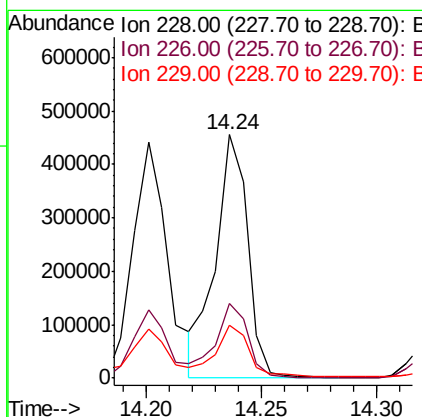
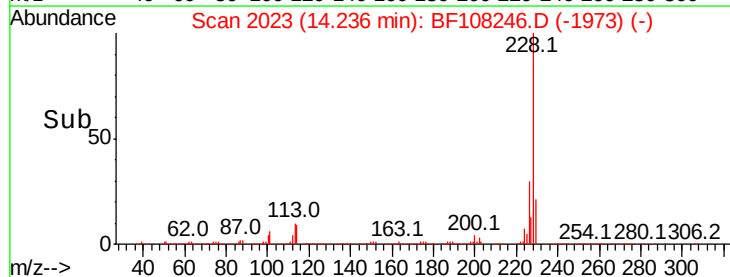
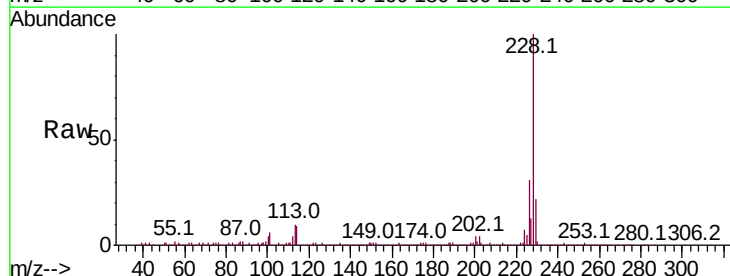
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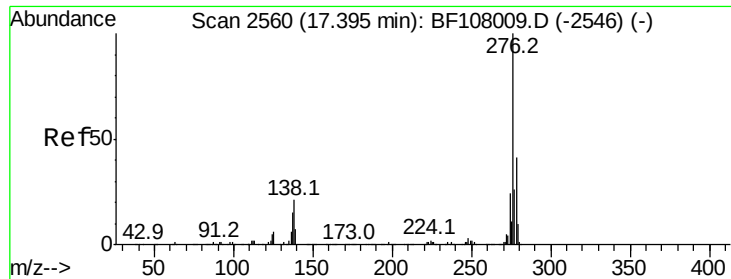
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#82
Chrysene
Concen: 19.036 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.074 ng

RT: 17.39 min Scan# 2559

Delta R.T. -0.01 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Instrument :

BNA_F

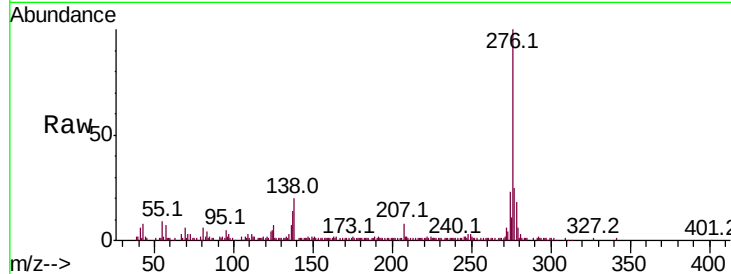
ClientSampleId :

ND-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	19.2	25.0	37.6#	
277	24.3	20.1	30.1	

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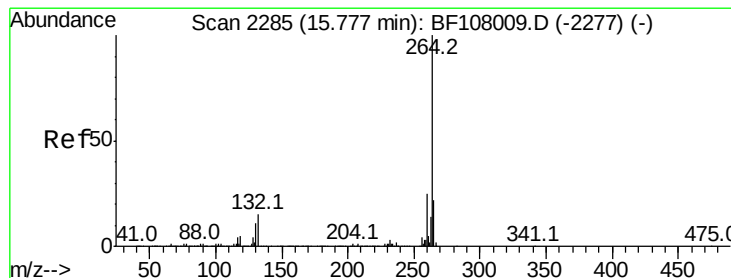
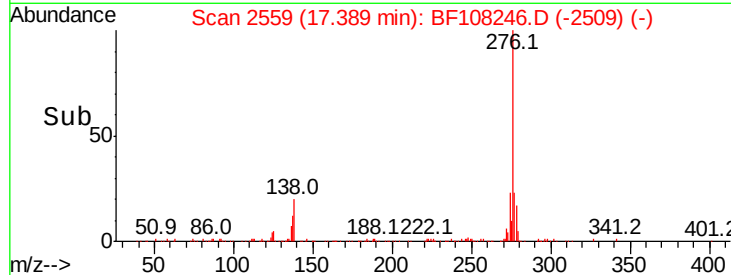
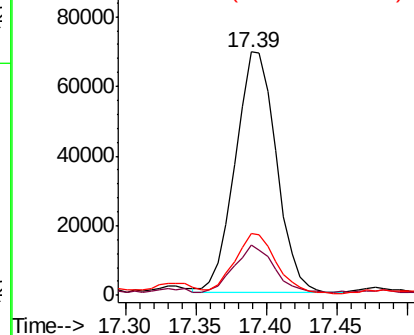


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

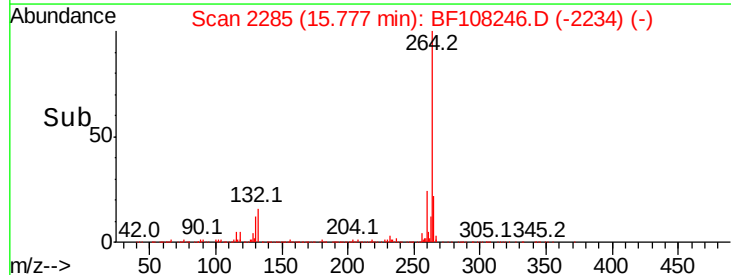
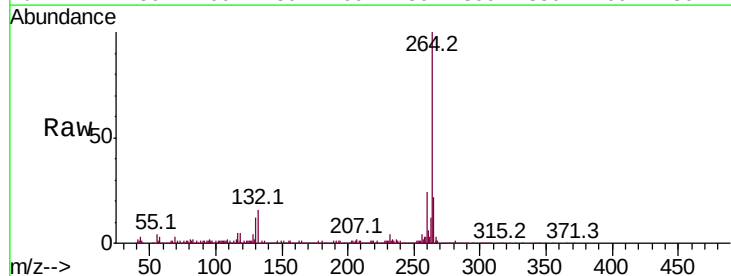
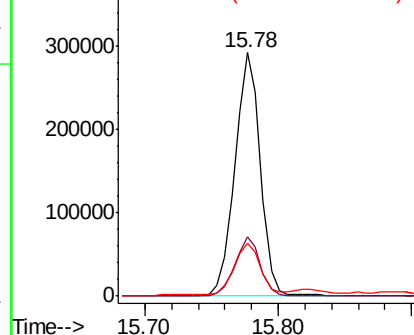
Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.2	19.2	28.8	
265	21.8	17.5	26.3	

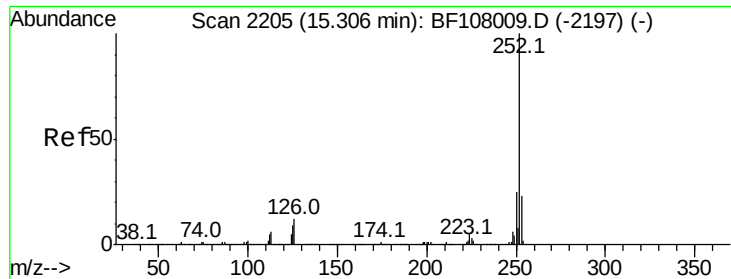
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 23.954 ng m

RT: 15.31 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Instrument :

BNA_F

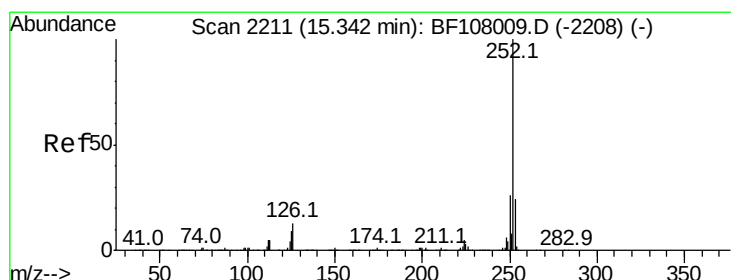
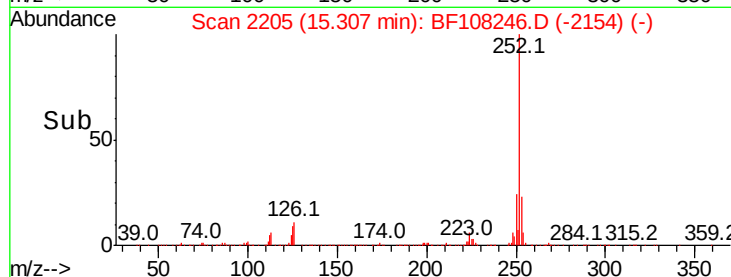
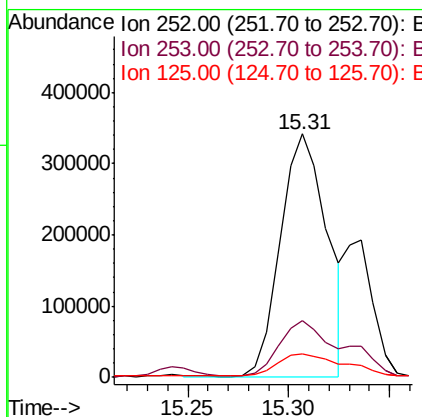
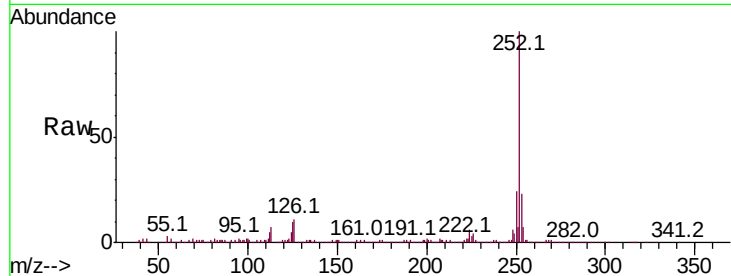
ClientSampled :

ND-SOIL

Tot Ion:	252	Resp:	552952
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	9.9	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 8.793 ng m

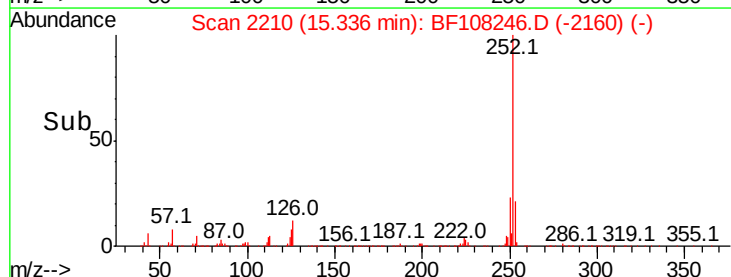
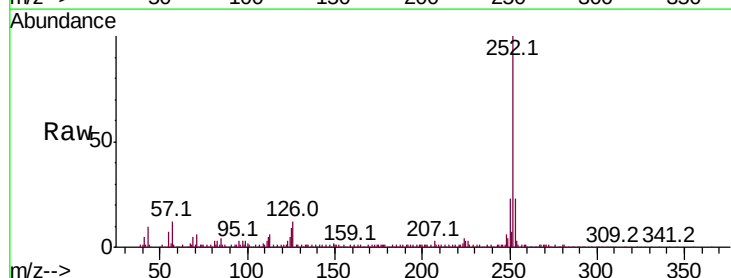
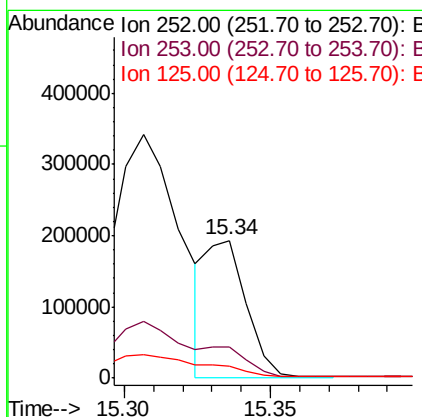
RT: 15.34 min Scan# 2210

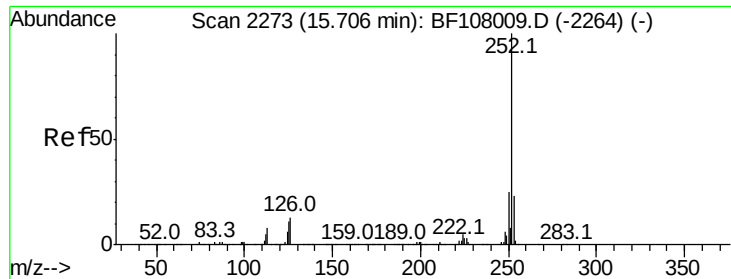
Delta R.T. -0.01 min

Lab File: BF108246.D

Acq: 17 Aug 2018 16:36

Tgt Ion:	252	Resp:	186595
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	8.8	10.2	15.2#





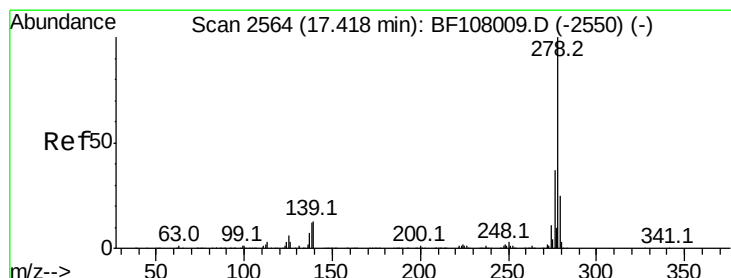
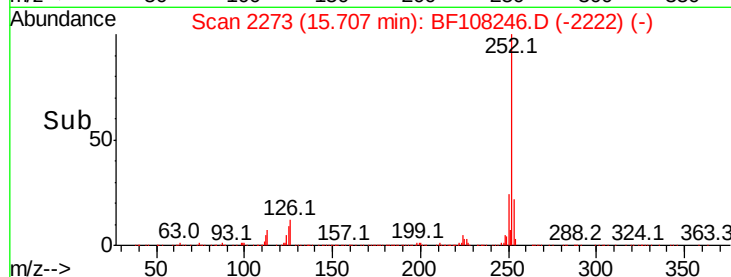
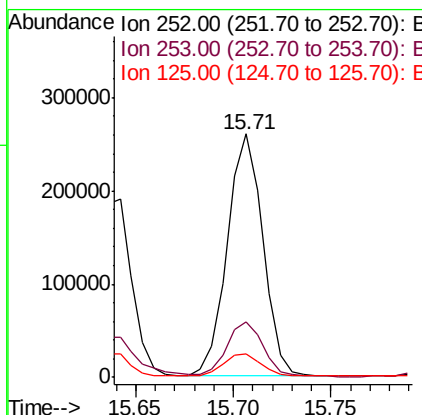
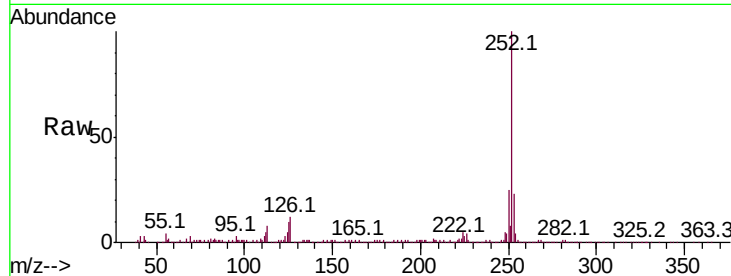
#89
Benzo(a)pyrene
Concen: 15.852 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Instrument :
BNA_F
ClientSampleId :
ND-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	9.8	9.8	14.6

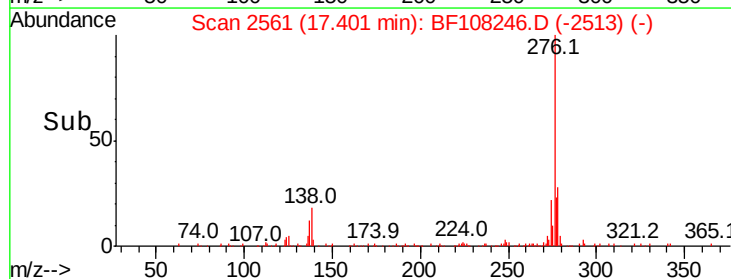
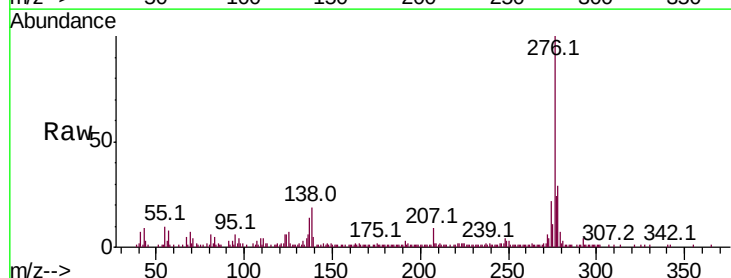
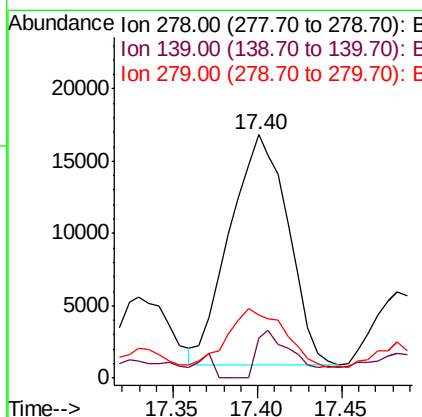
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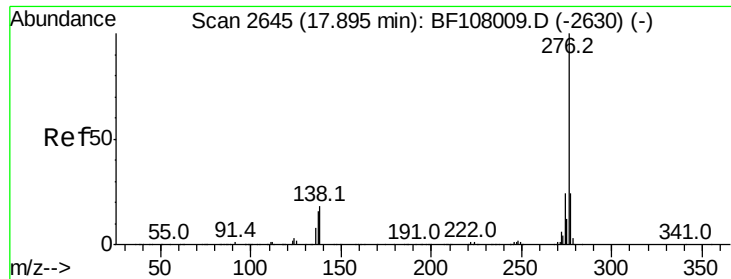
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#90
Dibenzo(a,h)anthracene
Concen: 2.231 ng
RT: 17.40 min Scan# 2561
Delta R.T. -0.02 min
Lab File: BF108246.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.2	15.9	23.9
279	25.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.926 ng
 RT: 17.89 min Scan# 2644
 Delta R.T. -0.01 min
 Lab File: BF108246.D
 Acq: 17 Aug 2018 16:36

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	18.8	21.8	32.8#

Manual Integrations
 APPROVED

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 8/20/2018 12:48:26 PM

