

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107630.D
 Acq On : 24 Jul 2018 20:19
 Operator : JU/SJ
 Sample : J4098-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03

Manual Integrations
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 7/25/2018 12:58:33 PM

Quant Time: Jul 25 04:08:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	237185	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	878862	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	339986	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	607883	20.00	ng	0.00
75) Chrysene-d12	14.15	240	451719	20.00	ng	-0.01
86) Perylene-d12	15.69	264	358934	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1273113	86.30	ng	0.00
7) Phenol-d6	6.61	99	1555456	87.81	ng	0.00
23) Nitrobenzene-d5	7.53	82	922029	70.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	330571	85.50	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1400326	66.29	ng	-0.01
78) Terphenyl-d14	13.09	244	1148999	65.12	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	7.11	79	292738	24.249	ng	99
37) 2-Methylnaphthalene	8.97	142	120066	4.483	ng	97
49) Dimethylphthalate	9.71	163	240123	9.371	ng	99
70) Phenanthrene	11.52	178	79589	2.687	ng	99
74) Fluoranthene	12.72	202	258519	8.133	ng	98
77) Pyrene	12.95	202	238957	7.734	ng	98
80) Benzo(a)anthracene	14.14	228	116535	4.402	ng	96
82) Chrysene	14.18	228	129240	5.082	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	60052	2.786	ng	# 90
87) Benzo(b)fluoranthene	15.23	252	142881m	7.273	ng	
88) Benzo(k)fluoranthene	15.25	252	61401m	3.190	ng	
89) Benzo(a)pyrene	15.62	252	87528	4.871	ng	# 82
91) Benzo(a,h,i)perylene	17.75	276	60397	3.942	ng	# 90

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

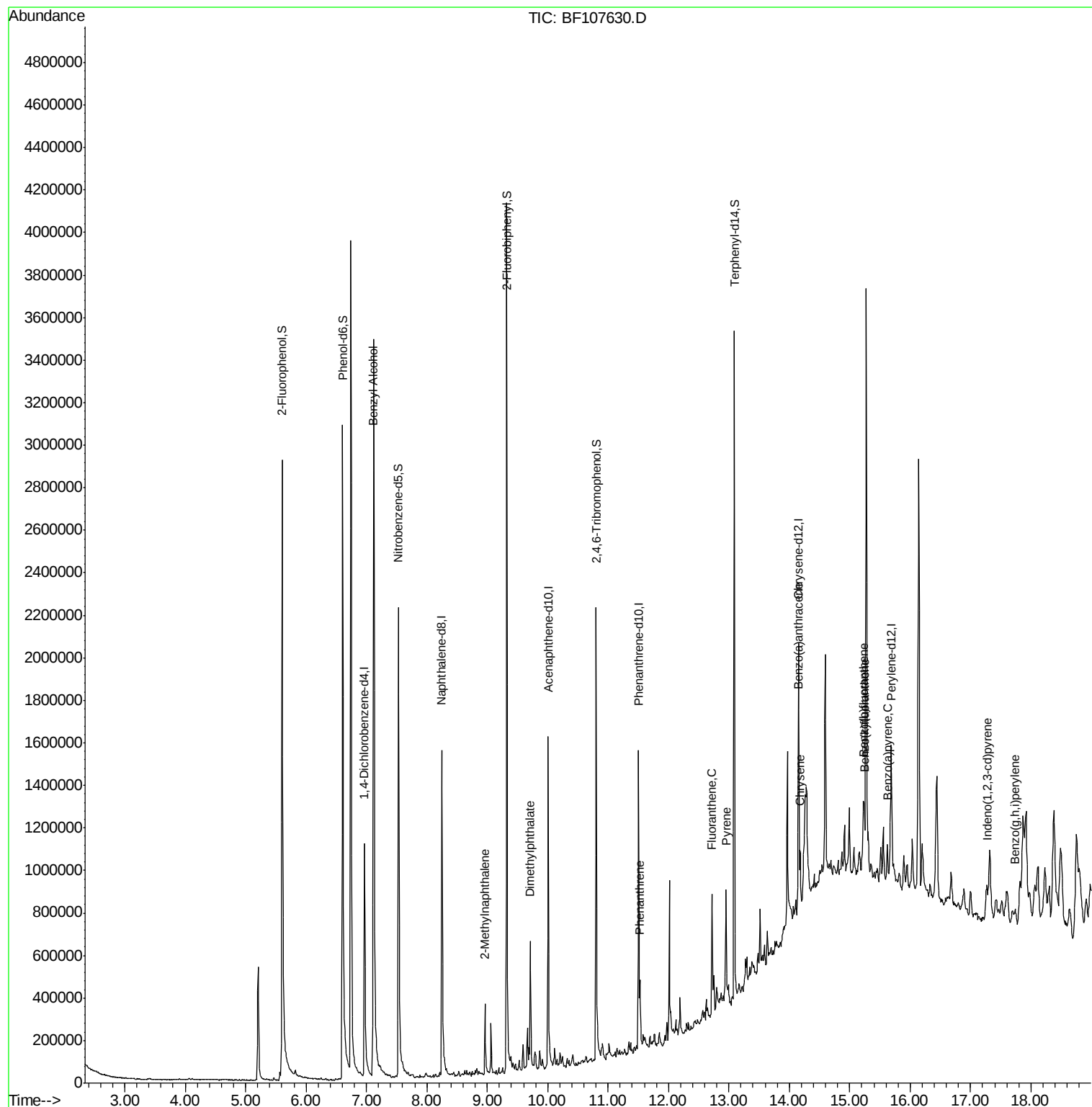
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107630.D
Acq On : 24 Jul 2018 20:19
Operator : JU/SJ
Sample : J4098-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

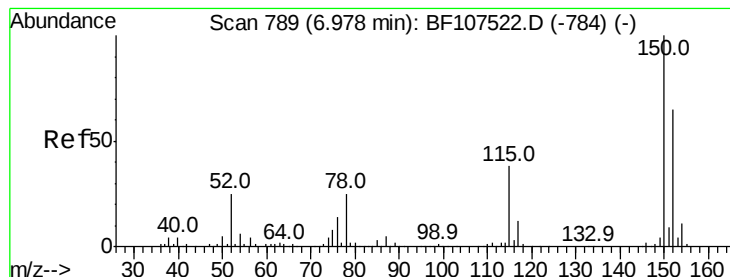
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

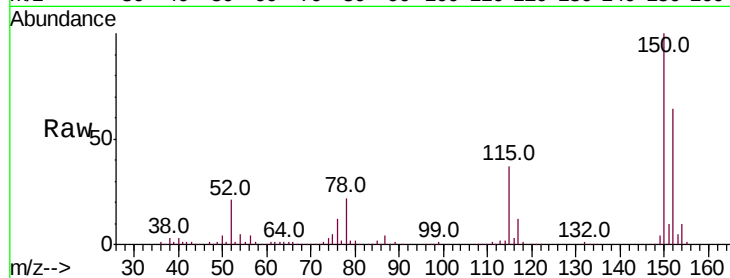
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	57.6	50.1	75.1

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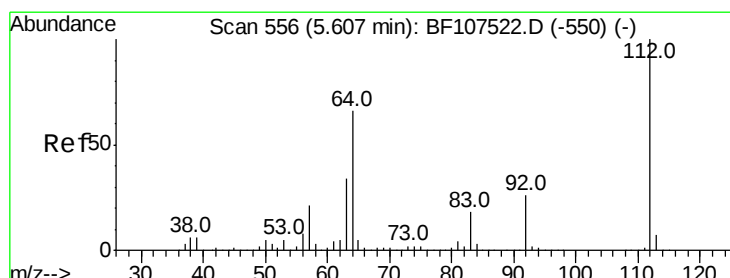
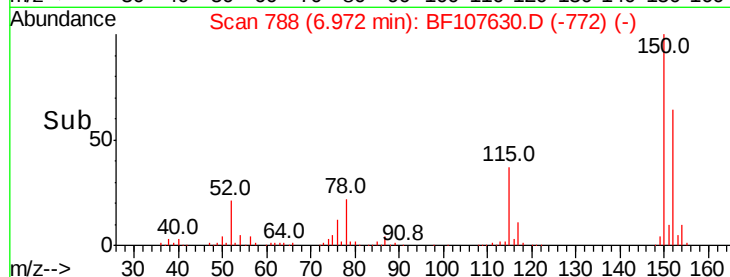
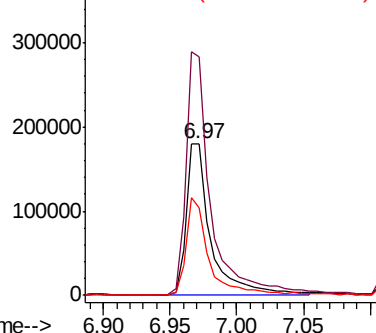


Abundance

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: 86.301 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

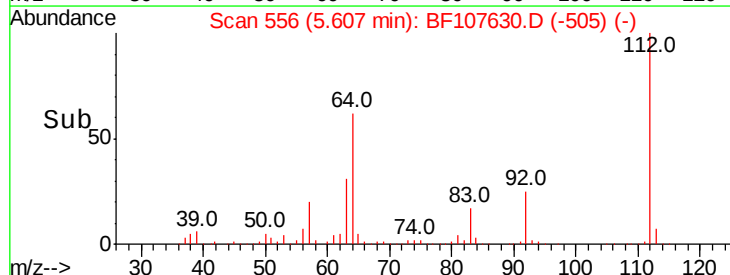
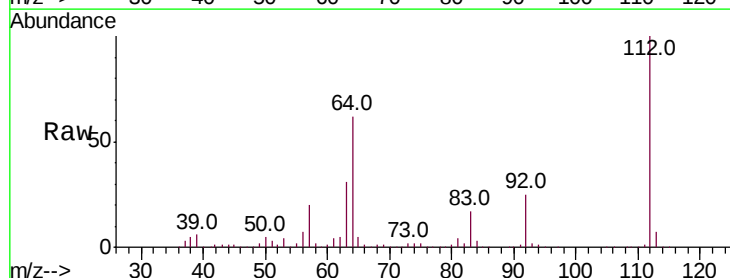
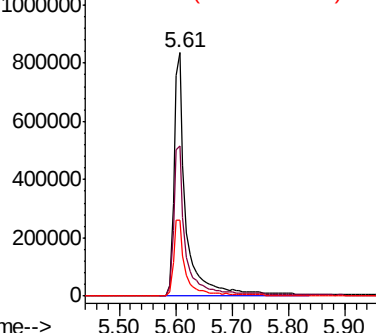
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	31.5	23.7	35.5

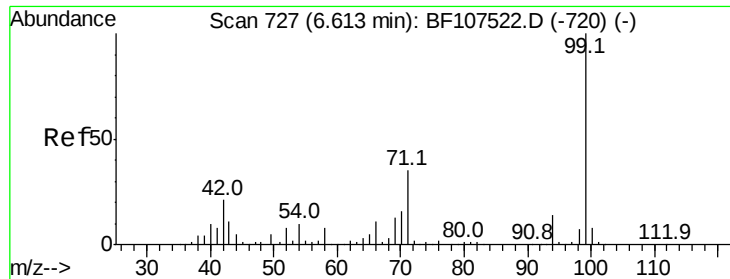
Abundance

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: 87.813 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107630.D

Acq: 24 Jul 2018 20:19

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03

Tot Ion: 99 Resp: 1555456

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

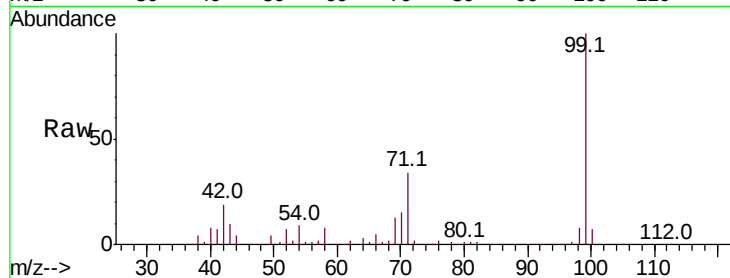
71 34.2 25.4 38.0

Manual Integrations

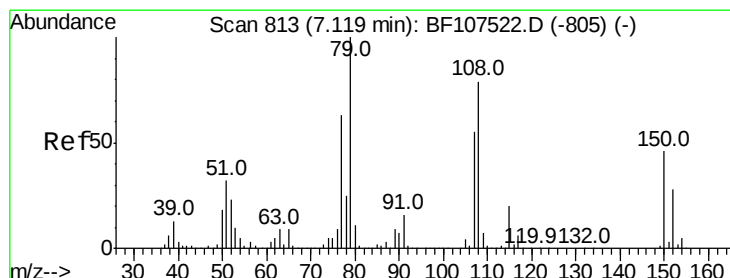
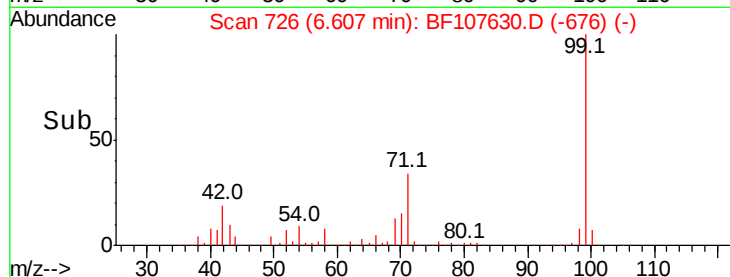
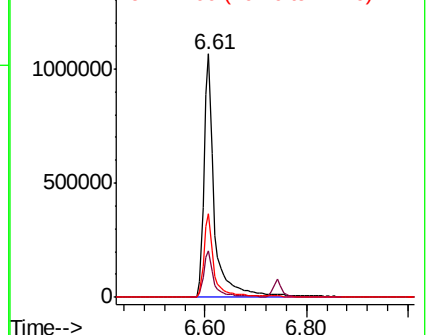
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#15

Benzyl Alcohol

Concen: 24.249 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF107630.D

Acq: 24 Jul 2018 20:19

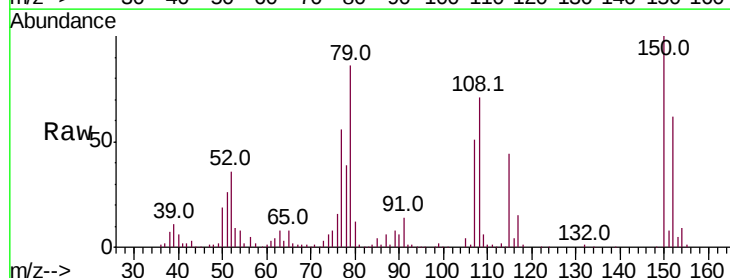
Tgt Ion: 79 Resp: 292738

Ion Ratio Lower Upper

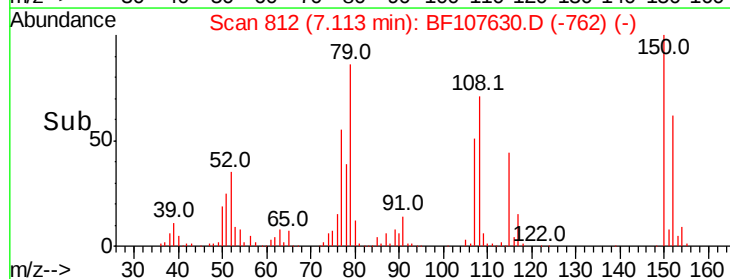
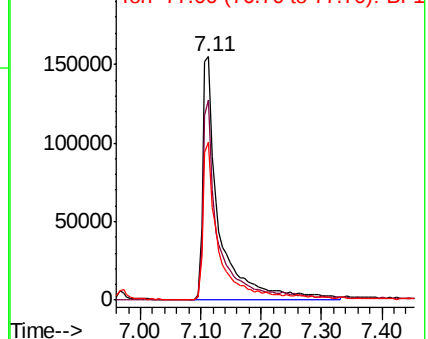
79 100

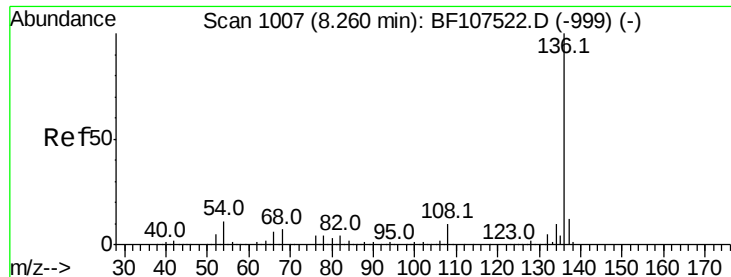
108 82.3 65.1 97.7

77 64.6 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





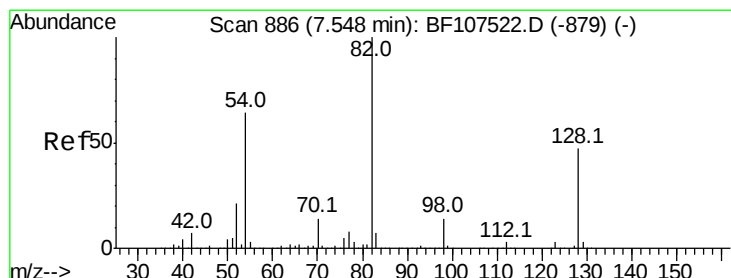
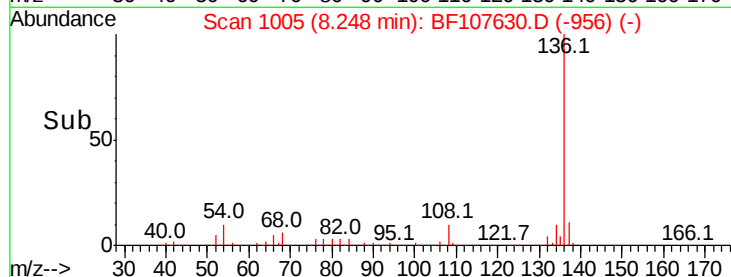
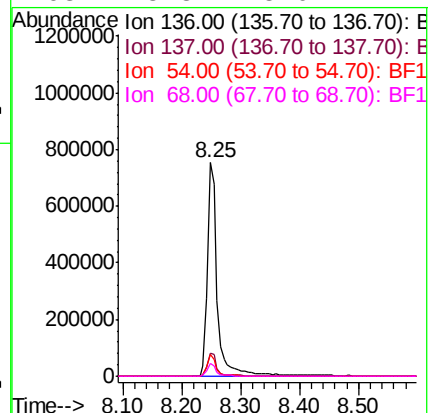
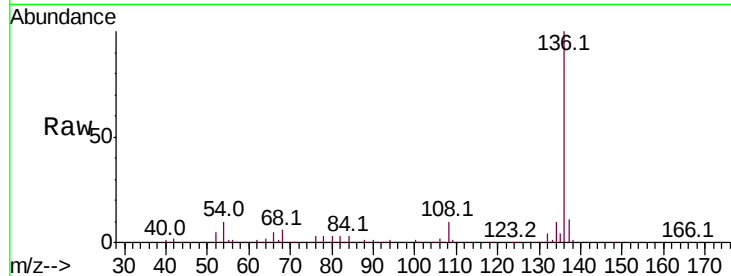
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	10.3	6.6	9.8	
68	5.8	5.0	7.4	

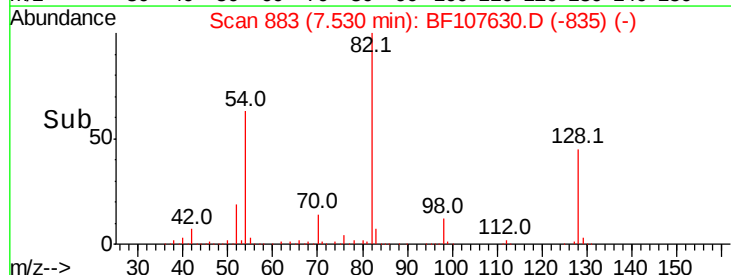
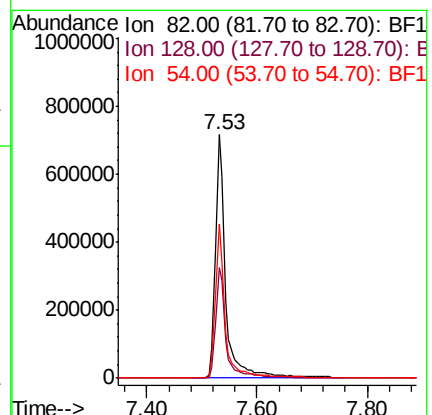
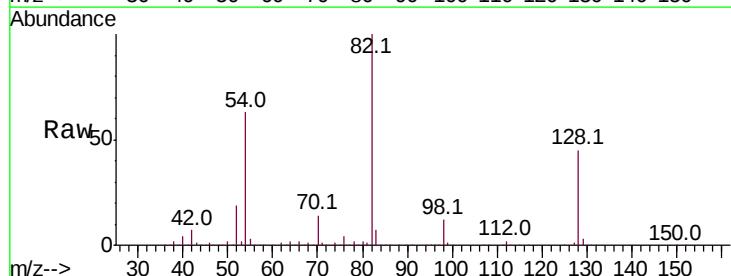
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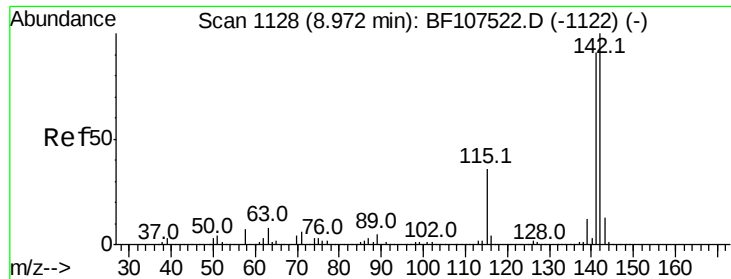
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#23
Nitrobenzene-d5
Concen: 70.802 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.2	36.1	54.1	
54	63.2	41.4	62.2	





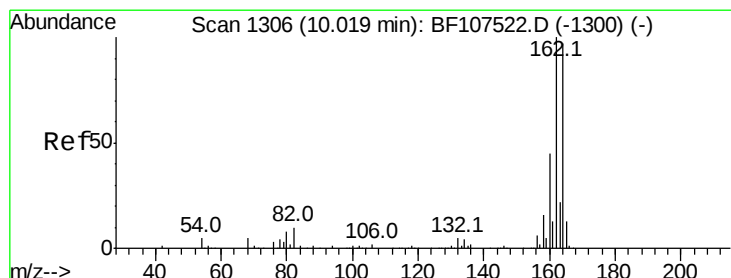
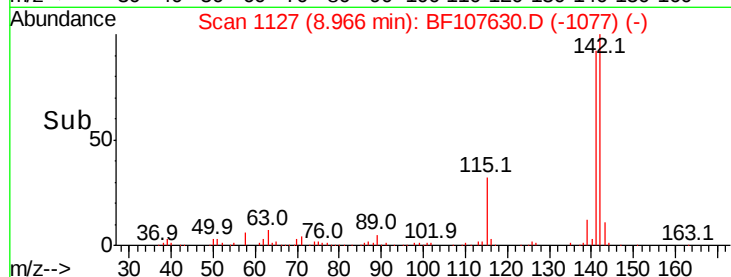
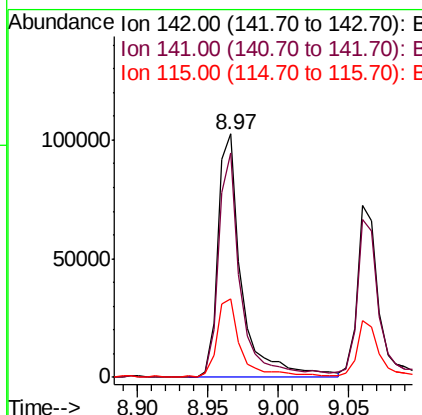
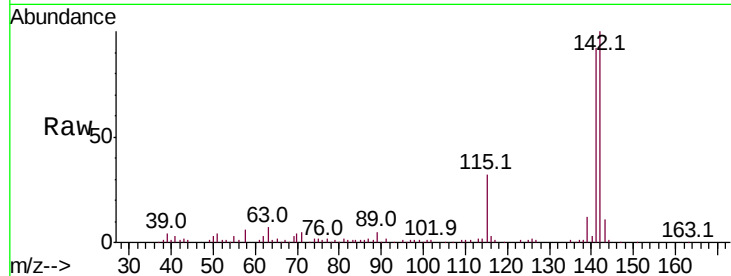
#37
2-Methylnaphthalene
Concen: 4.483 ng
RT: 8.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Instrument :
BNA_F
ClientSampled :
GL-TOPSOIL-03

Tot Ion	Ratio	Resp	Lower	Upper
142	100	120066		
141	92.2		70.8	106.2
115	32.2		26.1	39.1

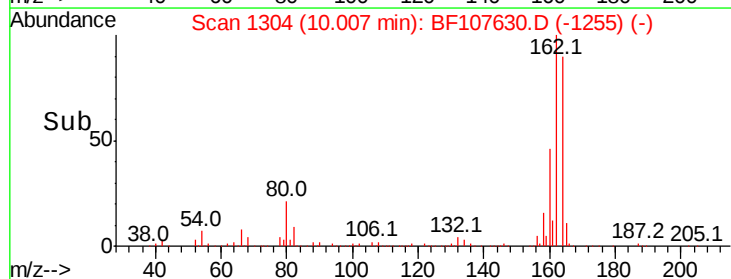
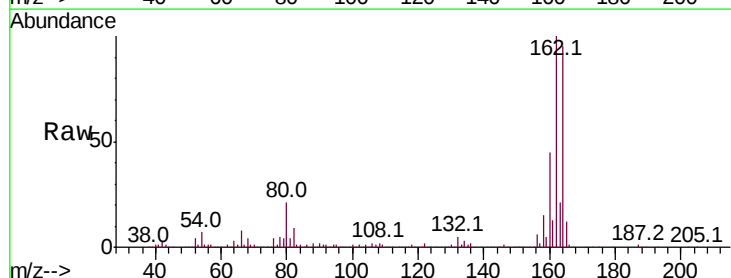
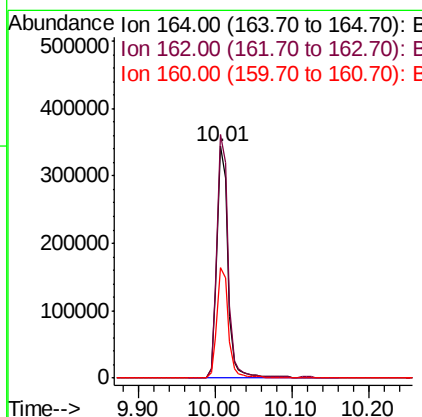
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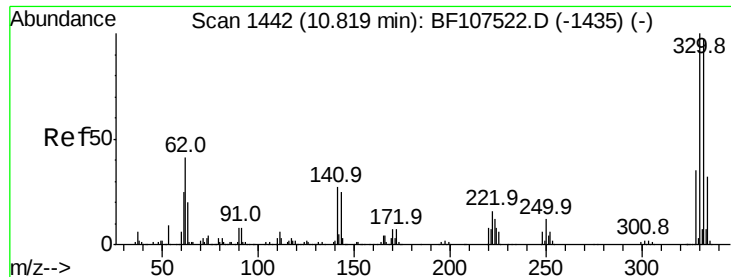
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	339986		
162	105.1		86.1	129.1
160	47.7		38.3	57.5





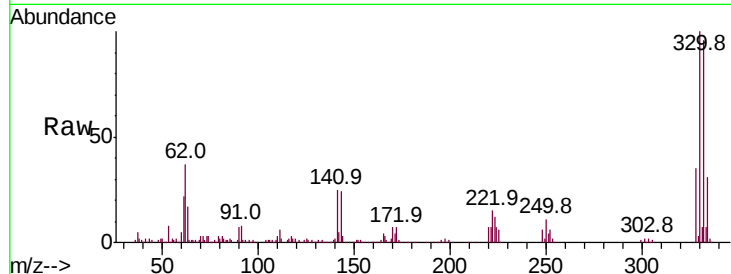
#41
 2,4,6-Tribromophenol
 Concen: 85.503 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107630.D
 Acq: 24 Jul 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03

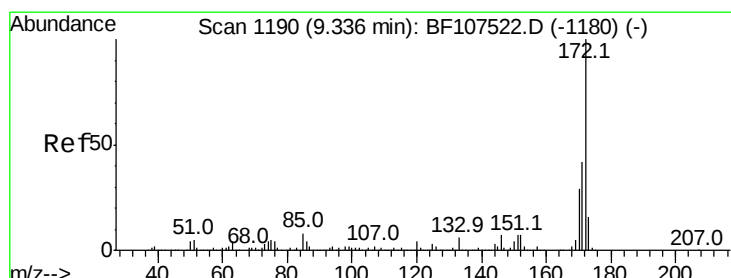
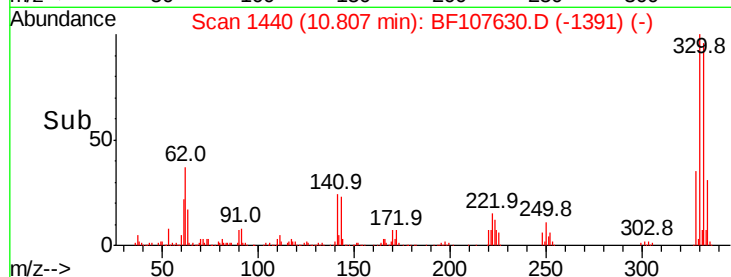
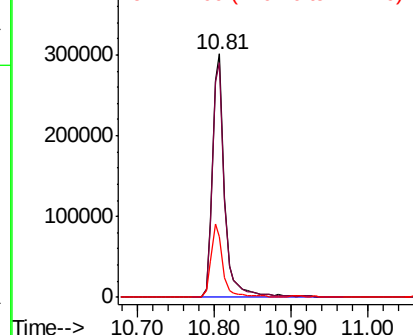
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.0	115.6	
141	29.2	29.9	44.9	

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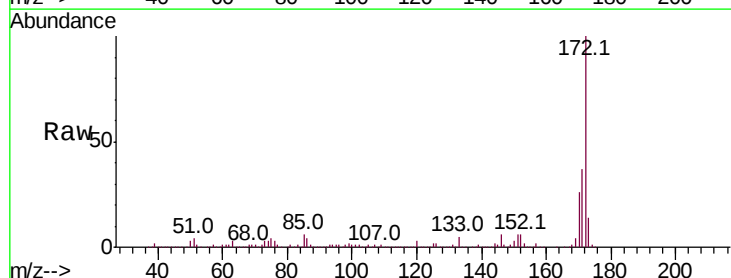


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

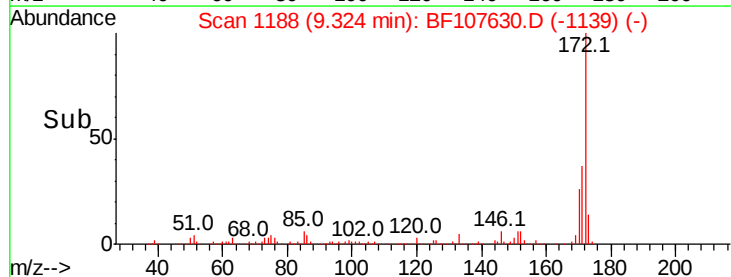
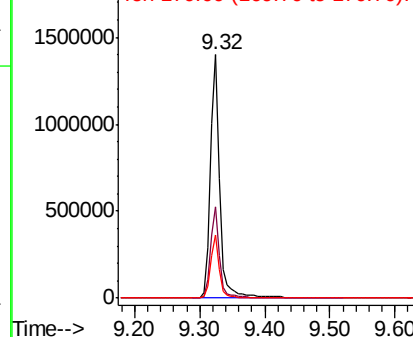


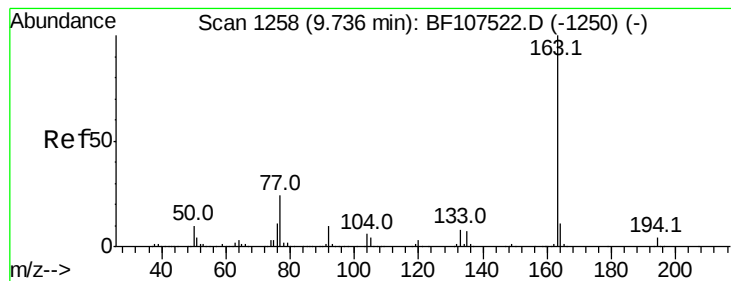
#44
 2-Fluorobiphenyl
 Concen: 66.294 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107630.D
 Acq: 24 Jul 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.3	29.7	44.5	
170	25.7	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: 9.371 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107630.D

Acq: 24 Jul 2018 20:19

Instrument :

BNA_F

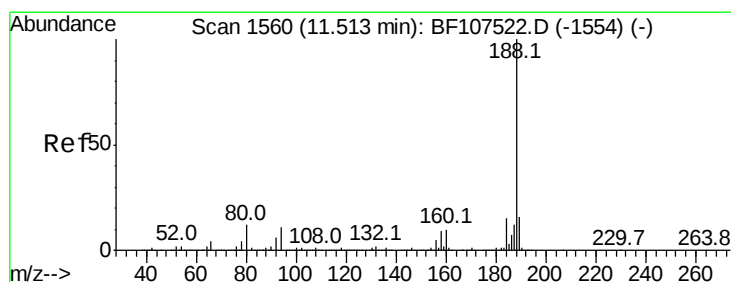
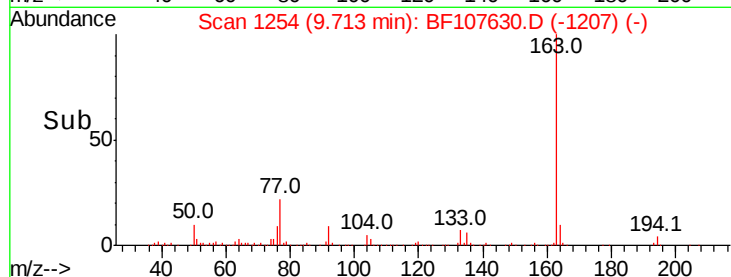
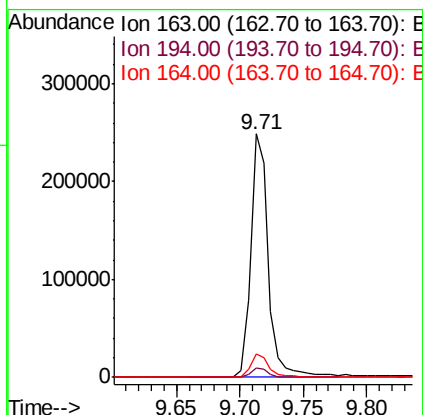
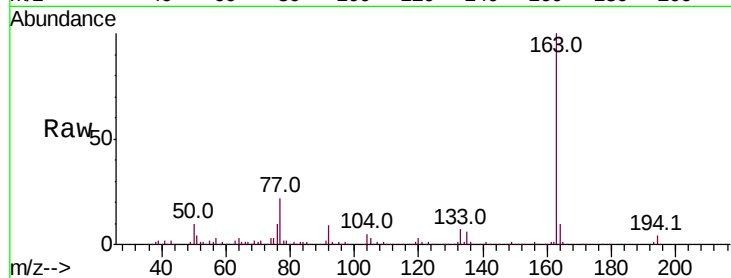
ClientSampleId :

GL-TOPSOIL-03

Tot Ion:	163	Resp:	240123
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	9.8	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

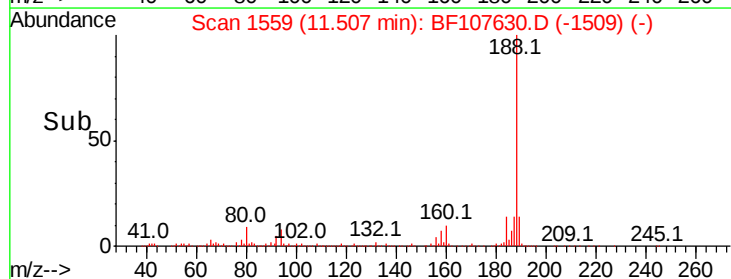
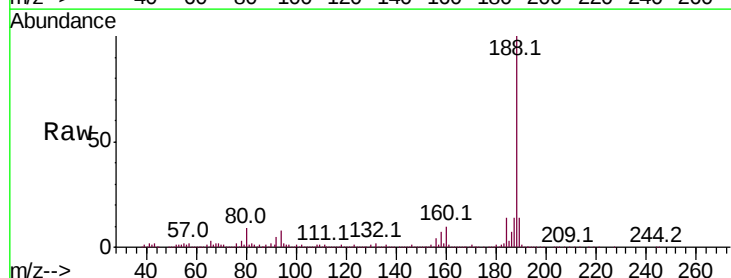
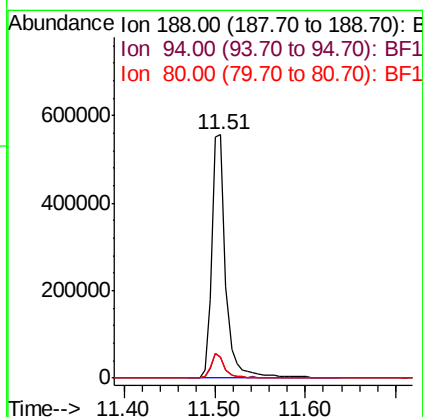
RT: 11.51 min Scan# 1559

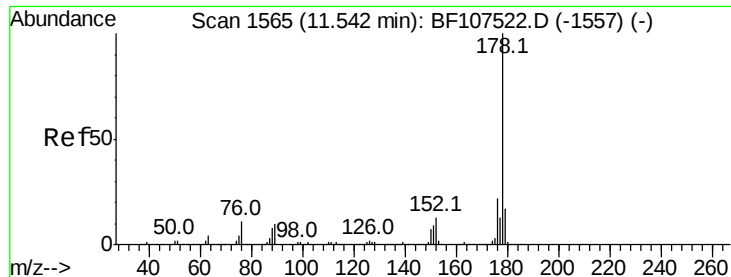
Delta R.T. -0.01 min

Lab File: BF107630.D

Acq: 24 Jul 2018 20:19

Tgt Ion:	188	Resp:	607883
Ion Ratio	Lower	Upper	
188	100		
94	8.4	8.5	12.7#
80	8.6	9.2	13.8#





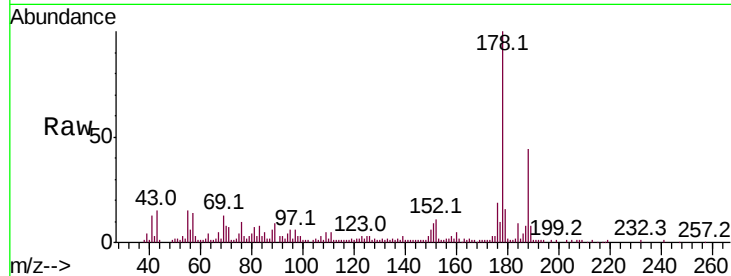
#70
Phenanthrene
Concen: 2.687 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.3	13.0	19.6

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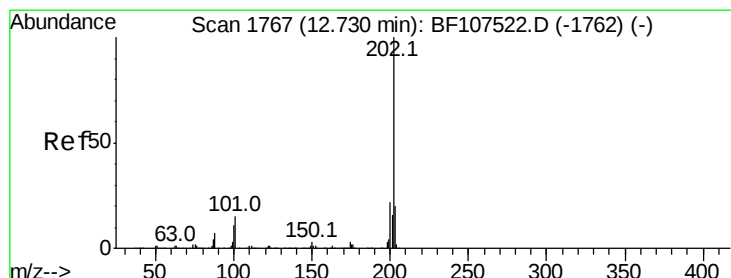
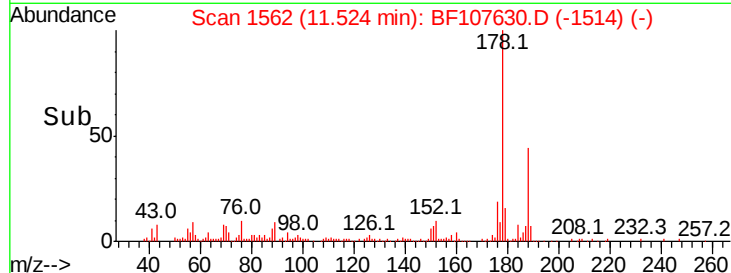
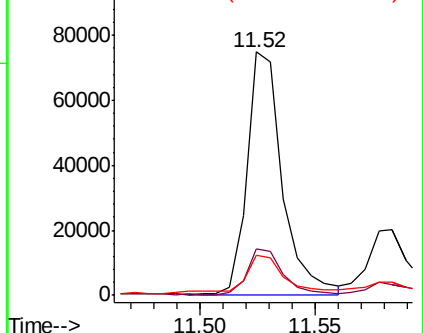


Abundance

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



#74
Fluoranthene
Concen: 8.133 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

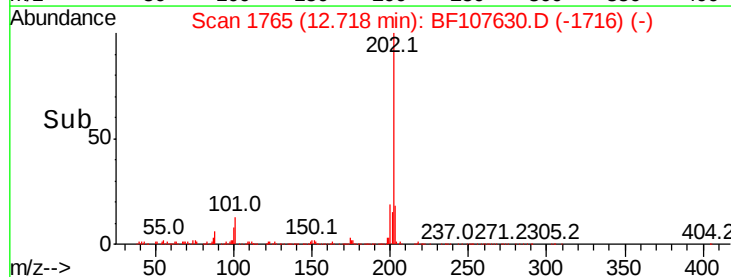
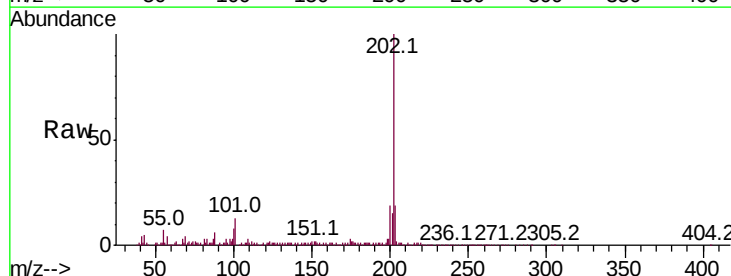
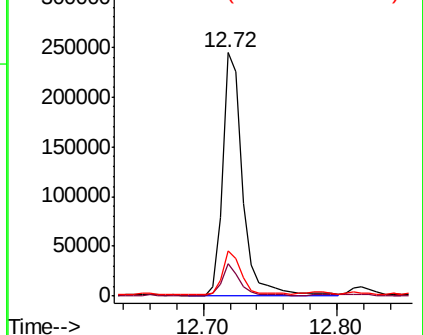
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.5	0.0	38.1

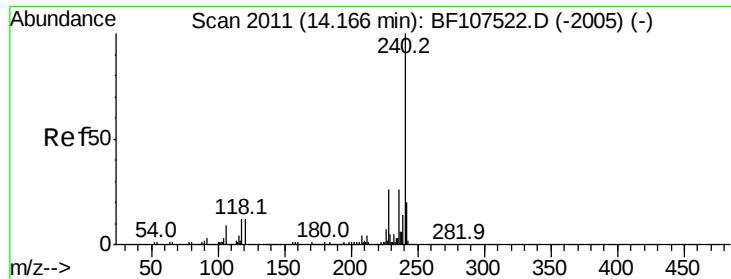
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107630.D

Acq: 24 Jul 2018 20:19

Instrument :

BNA_F

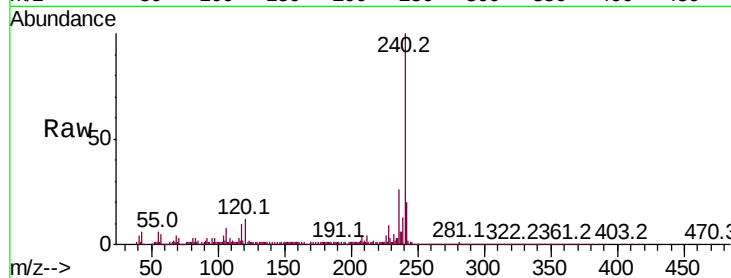
ClientSampleId :

GL-TOPSOIL-03

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	25.8	20.7	31.1

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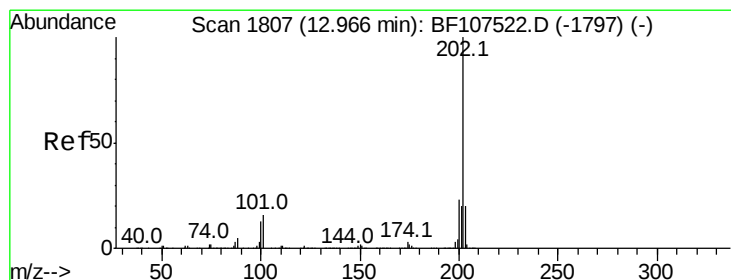
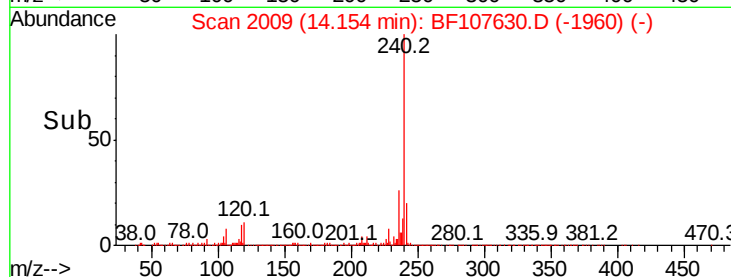
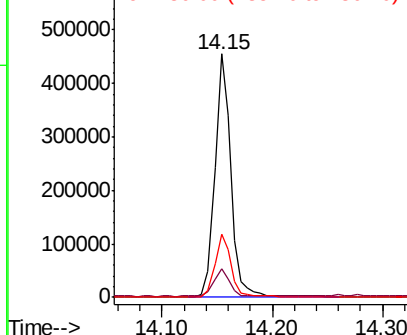


Abundance

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



#77

Pyrene

Concen: 7.734 ng

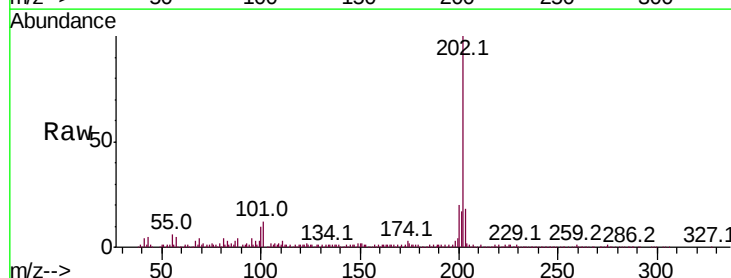
RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107630.D

Acq: 24 Jul 2018 20:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	17.8	14.3	21.5

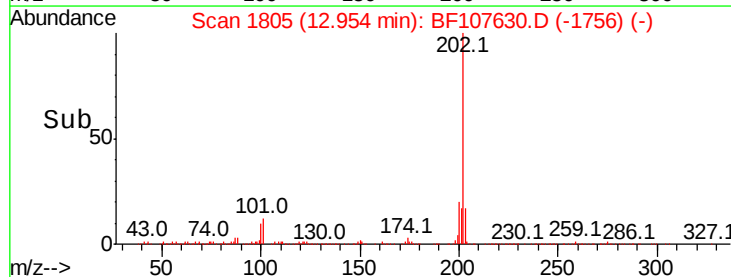
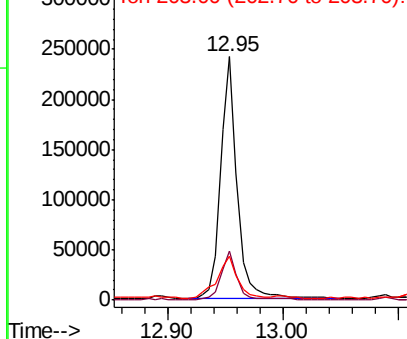


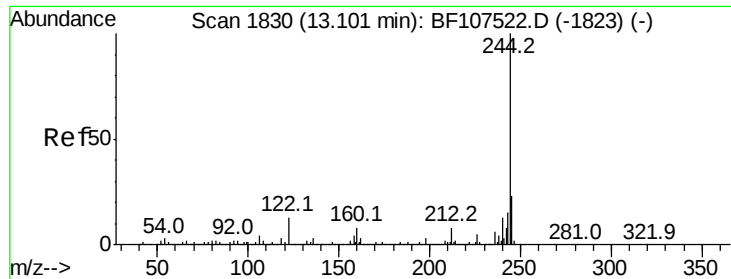
Abundance

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





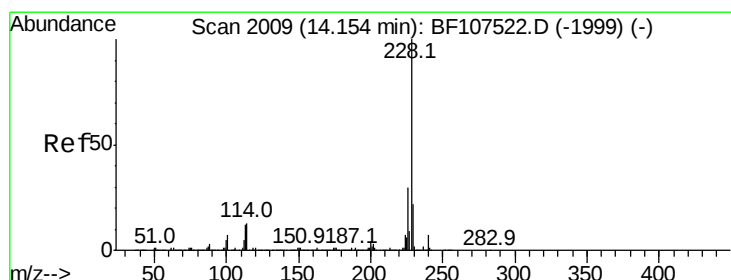
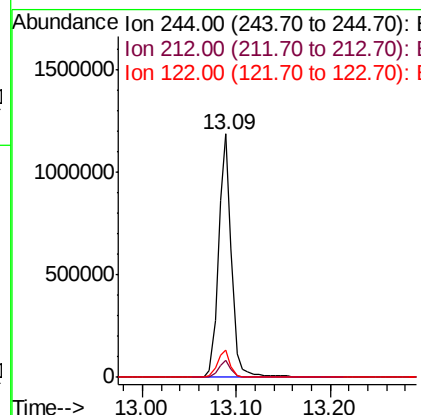
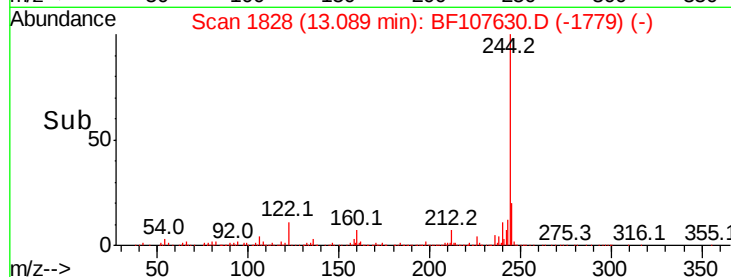
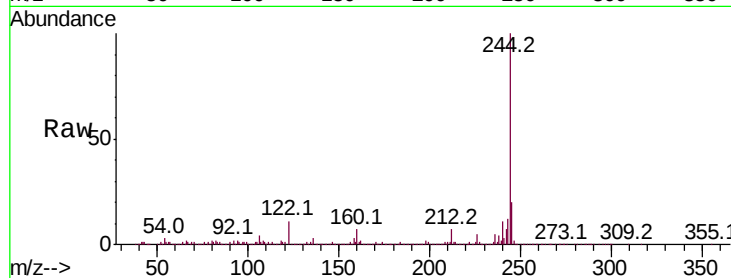
#78
 Terphenyl-d14
 Concen: 65.119 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF107630.D
 Acq: 24 Jul 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.2	11.0	16.4

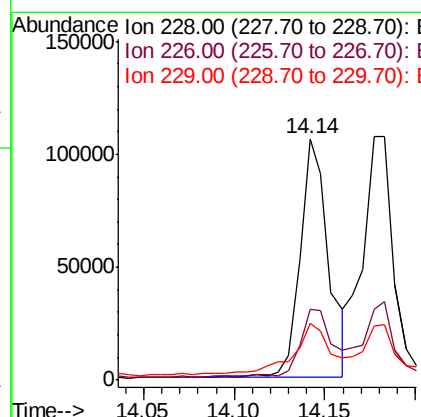
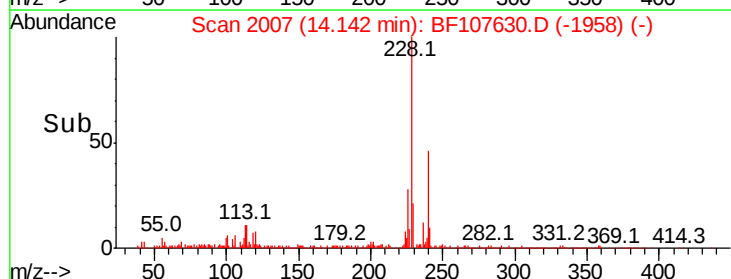
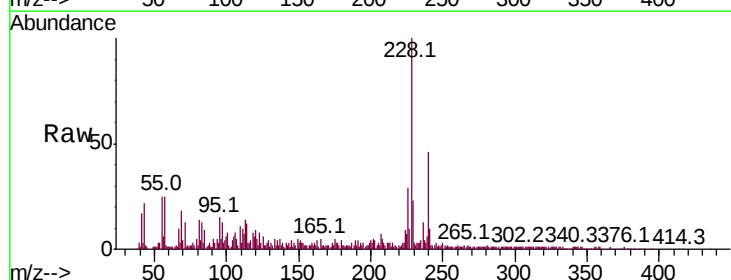
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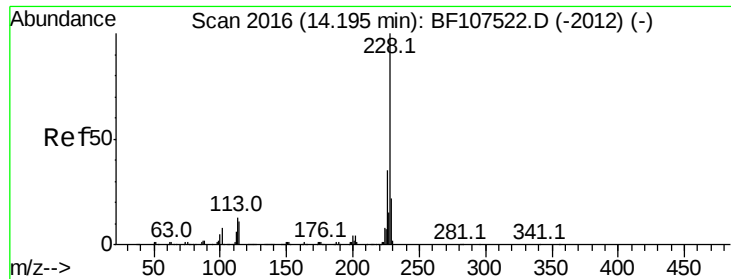
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#80
 Benzo(a)anthracene
 Concen: 4.402 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107630.D
 Acq: 24 Jul 2018 20:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	23.4	15.8	23.6





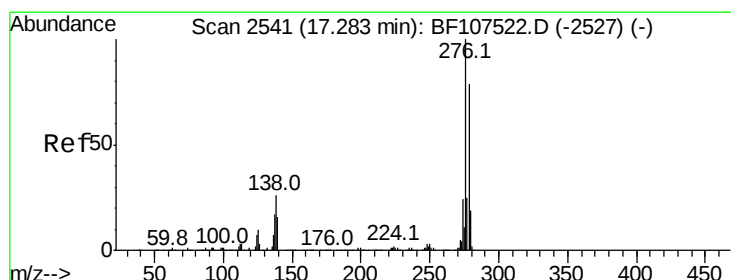
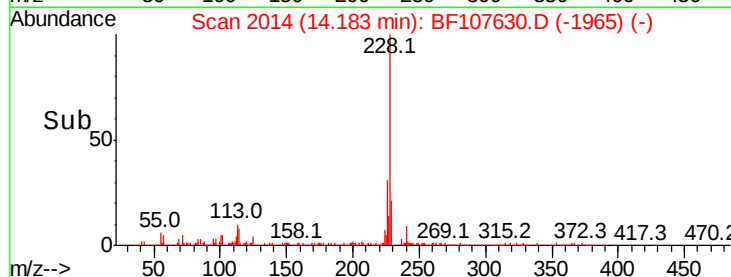
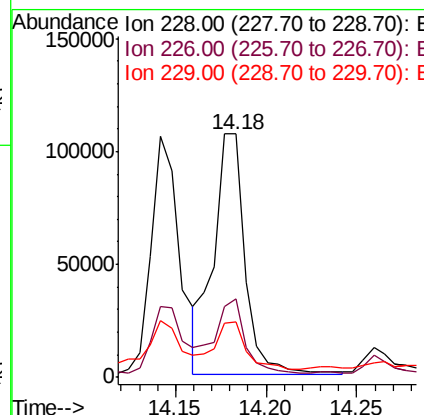
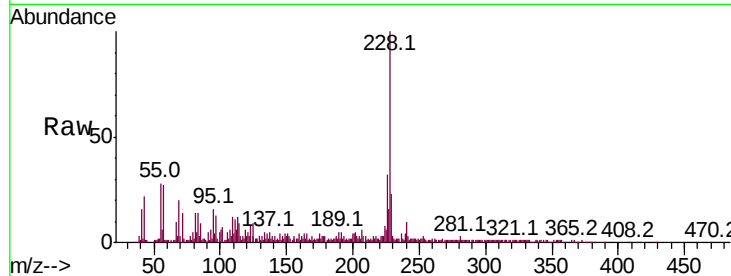
#82
Chrysene
Concen: 5.082 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

Tot Ion:	228	Resp:	129240
Ion Ratio	Lower	Upper	
228	100		
226	32.2	25.0	37.6
229	22.7	16.2	24.4

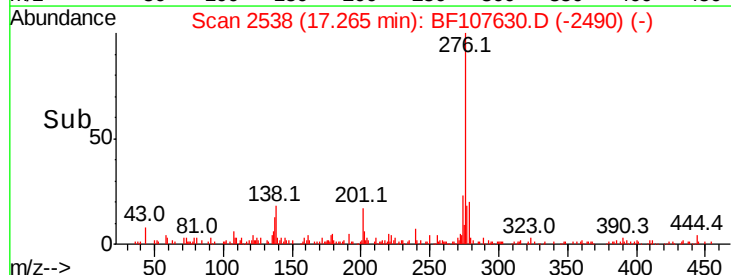
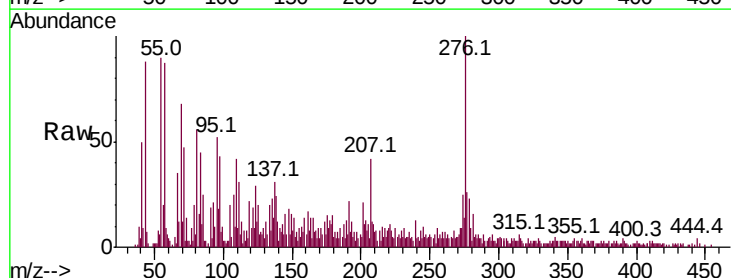
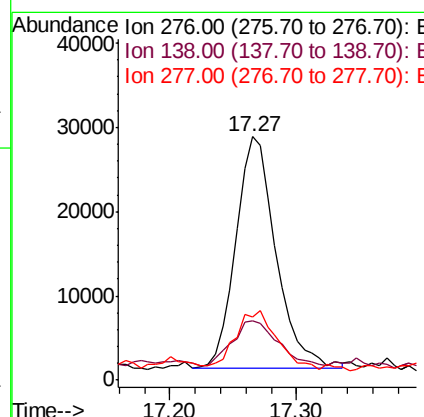
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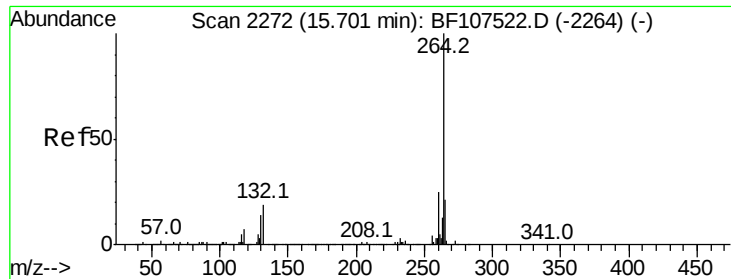
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.786 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Tgt Ion:	276	Resp:	60052
Ion Ratio	Lower	Upper	
276	100		
138	22.6	25.0	37.6#
277	26.0	20.1	30.1





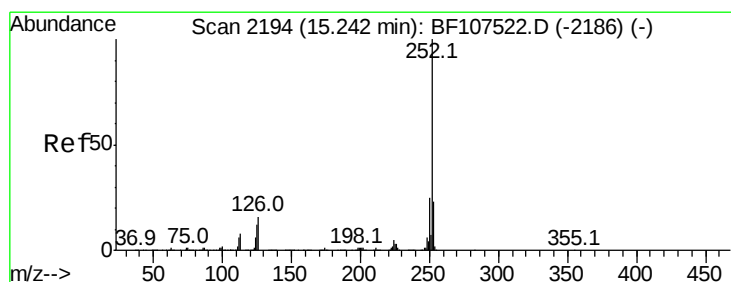
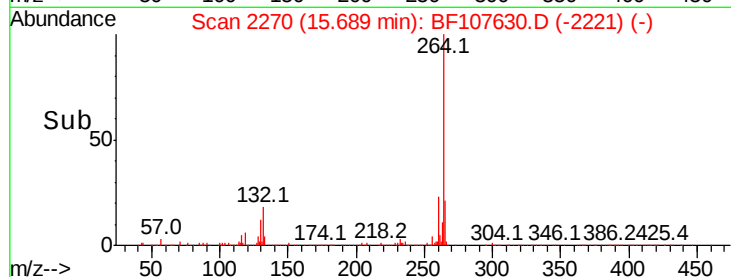
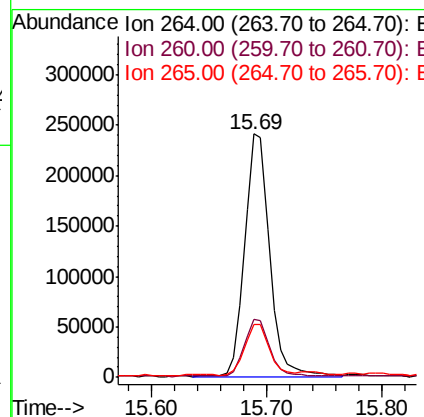
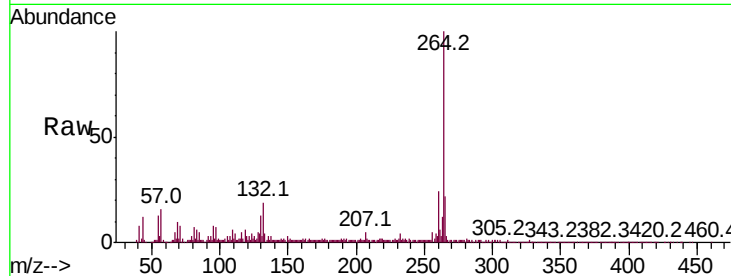
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	17.5	26.3

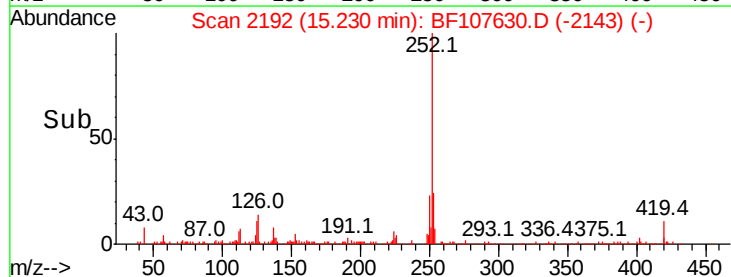
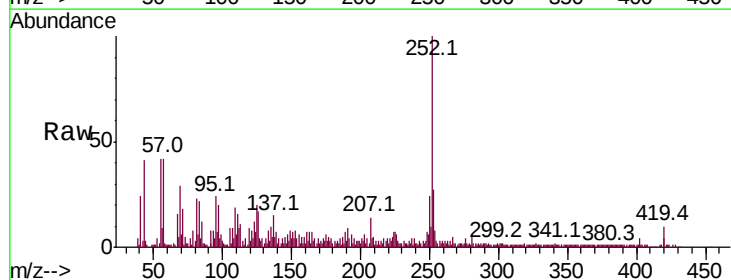
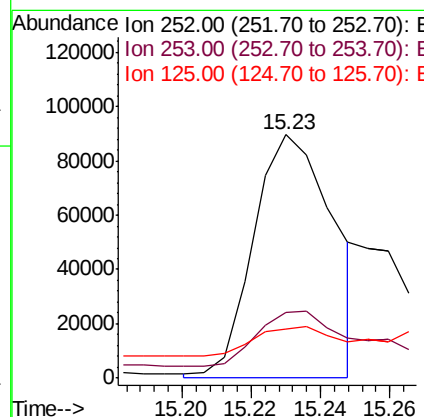
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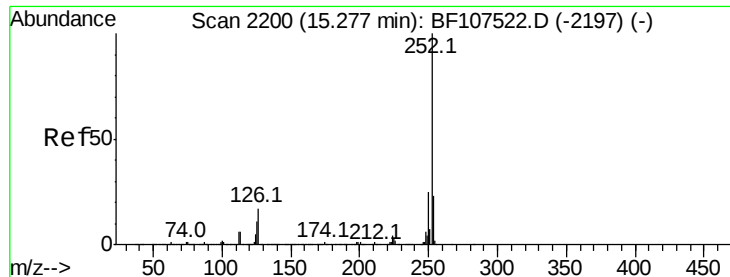
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#87
Benzo(b)fluoranthene
Concen: 7.273 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.0	25.6#
125	20.3	9.0	13.6#





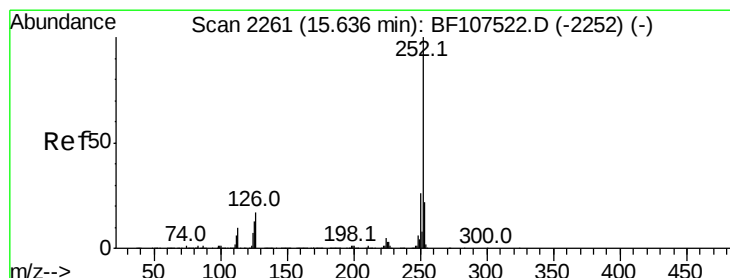
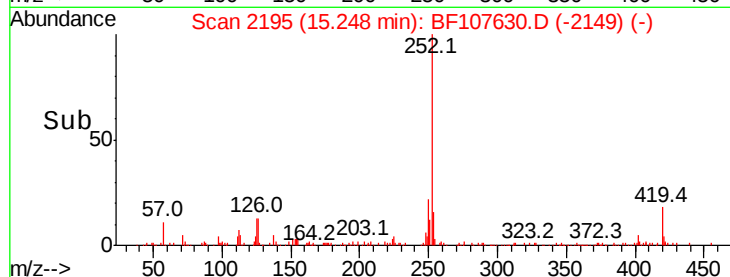
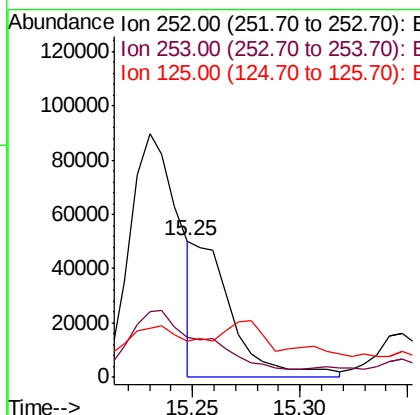
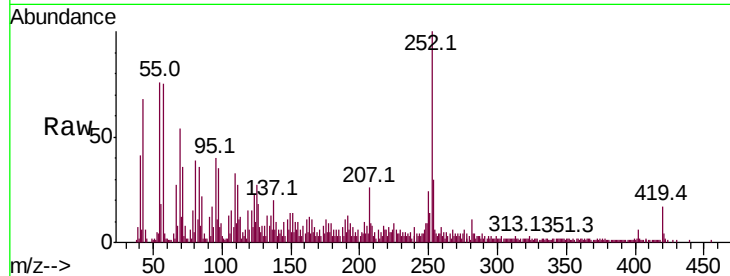
#88
Benzo(k)fluoranthene
Concen: 3.190 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.9	26.9#
125	26.5	10.2	15.2#

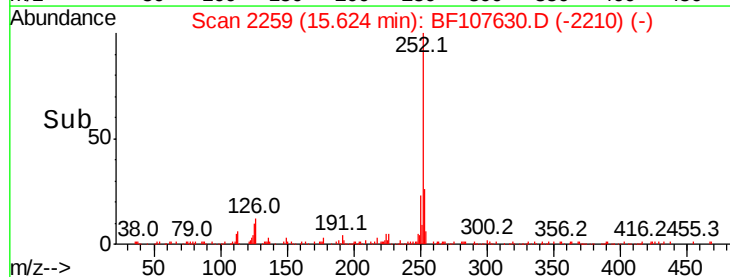
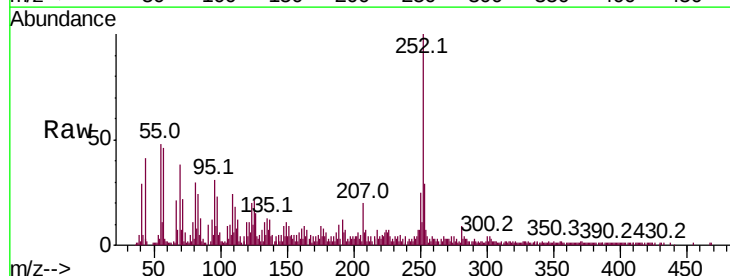
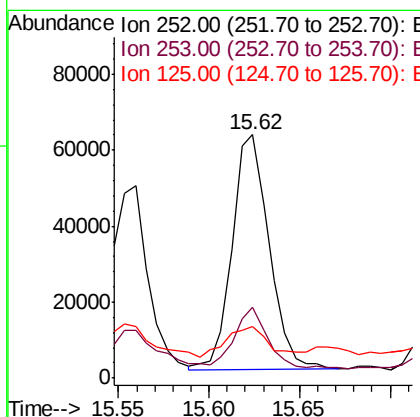
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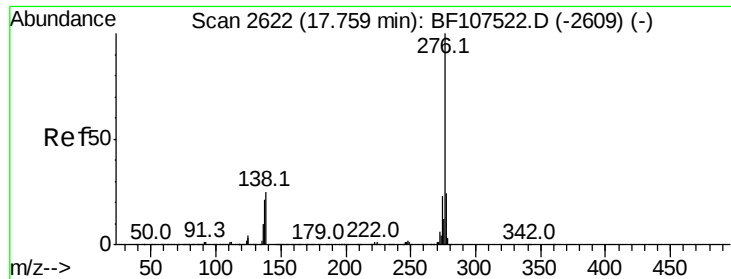
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#89
Benzo(a)pyrene
Concen: 4.871 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107630.D
Acq: 24 Jul 2018 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.1	25.7#
125	21.0	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.942 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107630.D
 Acq: 24 Jul 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.0	17.9	26.9#
138	24.3	21.8	32.8

Manual Integrations
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