

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
 Data File : BF110694.D
 Acq On : 13 Nov 2018 00:16
 Operator : JU/SJ
 Sample : J5906-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 06-TANK-SOIL

Manual Integrations
 APPROVED

Sohil
 11/13/2018 11:16:42 AM

Quant Time: Nov 13 06:54:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	88769	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	355894	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	141315	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	212002	20.00	ng	0.00
76) Chrysene-d12	14.13	240	154443	20.00	ng	0.00
87) Perylene-d12	15.67	264	119031	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	133912	24.50	ng	0.00
7) Phenol-d6	6.56	99	177616	25.42	ng	-0.01
23) Nitrobenzene-d5	7.50	82	102923	16.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	25204	17.70	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	199500	20.16	ng	0.00
79) Terphenyl-d14	13.06	244	135534	16.43	ng	0.00
Target Compounds						
52) Acenaphthene	10.02	154	39298	4.546	ng	Qvalue 97
71) Phenanthrene	11.50	178	129748	11.424	ng	98
72) Anthracene	11.56	178	90119	7.866	ng	99
75) Fluoranthene	12.70	202	423463	37.188	ng	99
78) Pyrene	12.93	202	420588	35.368	ng	98
81) Benzo(a)anthracene	14.12	228	101879	11.036	ng	# 92
83) Chrysene	14.16	228	101474	11.538	ng	# 95
86) Indeno(1,2,3-cd)pyrene	17.24	276	35749	5.665	ng	97
88) Benzo(b)fluoranthene	15.21	252	83092m	11.669	ng	
89) Benzo(k)fluoranthene	15.23	252	29840m	4.241	ng	
90) Benzo(a)pyrene	15.60	252	61871	9.563	ng	# 88
92) Benzo(a,h,i)perylene	17.72	276	37362	6.878	ng	97

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

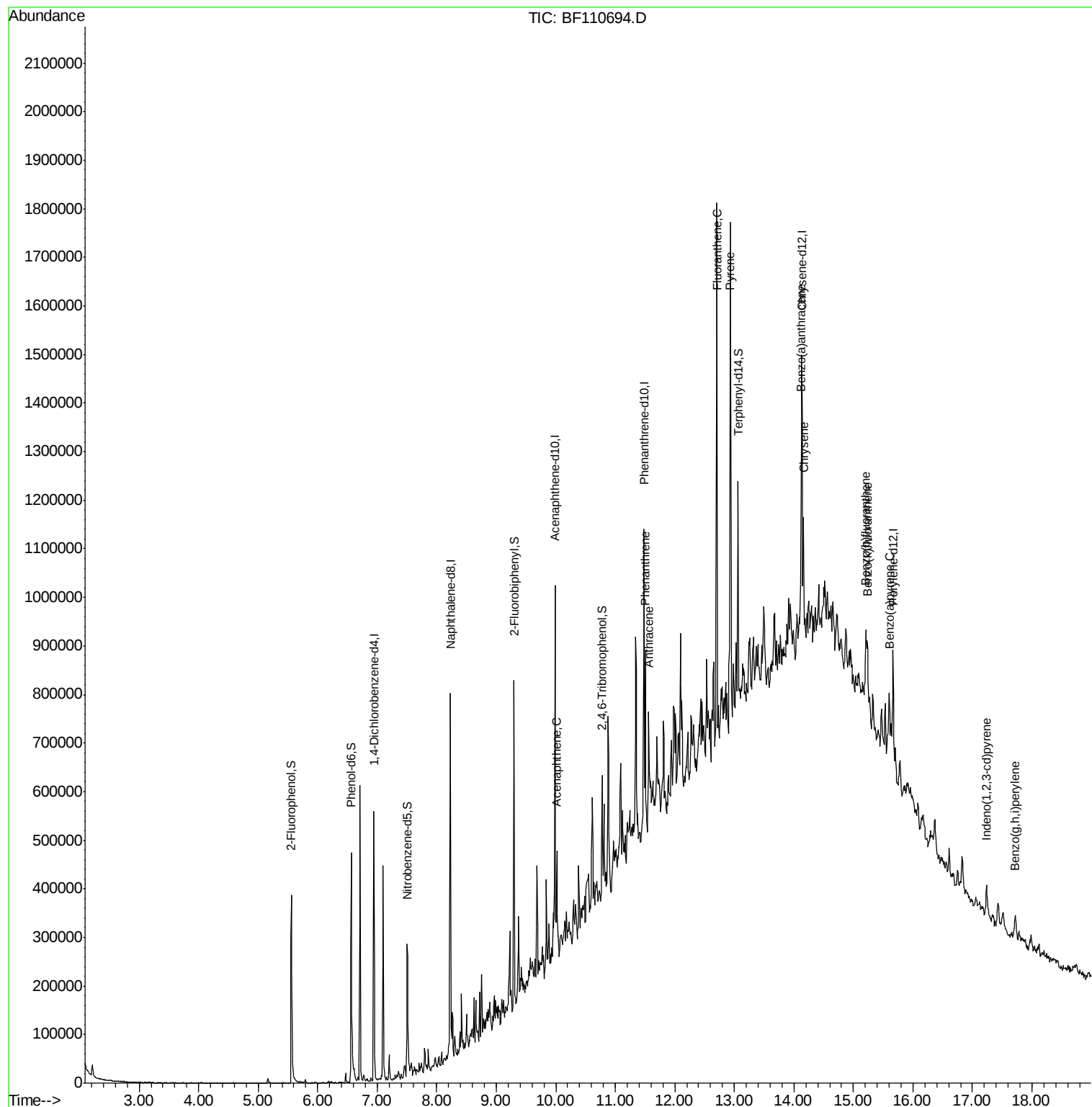
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110694.D
Acq On : 13 Nov 2018 00:16
Operator : JU/SJ
Sample : J5906-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

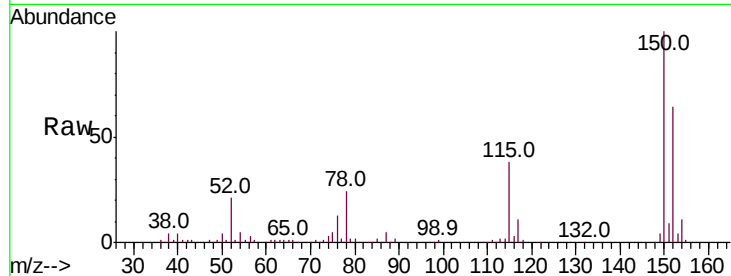
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	122.7	184.1
115	60.0	49.1	73.7

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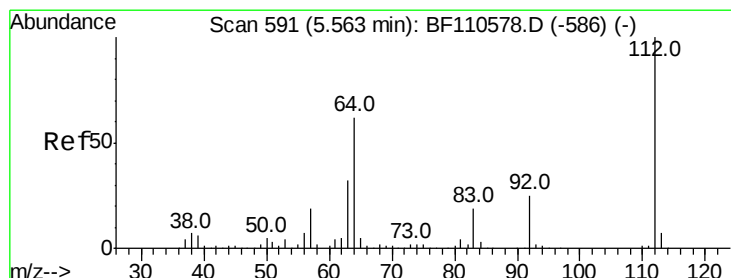
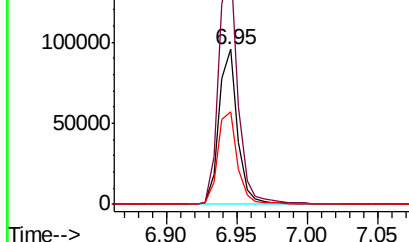
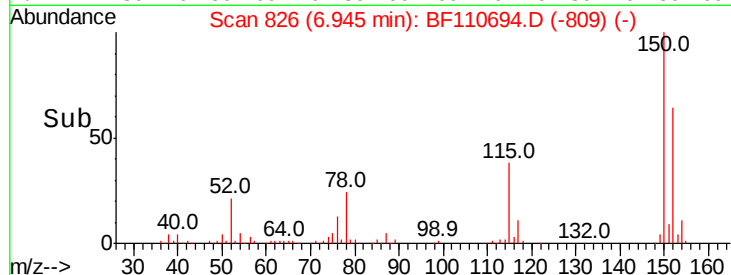


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

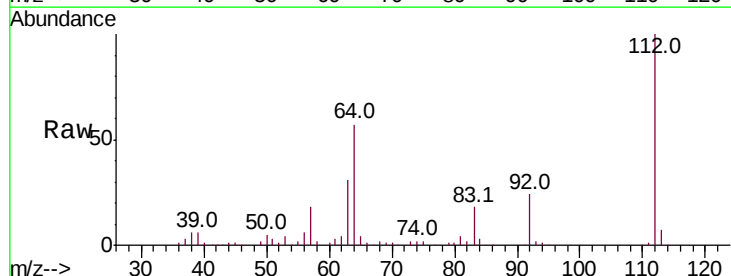
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.504 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	44.1	66.1
63	30.6	23.7	35.5

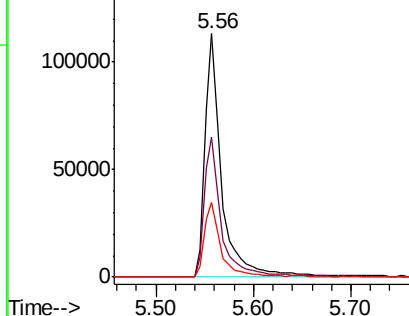
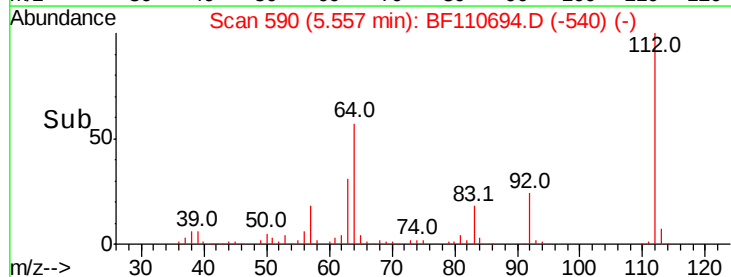


Abundance

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: 25.416 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

Instrument :

BNA_F

ClientSampleId :

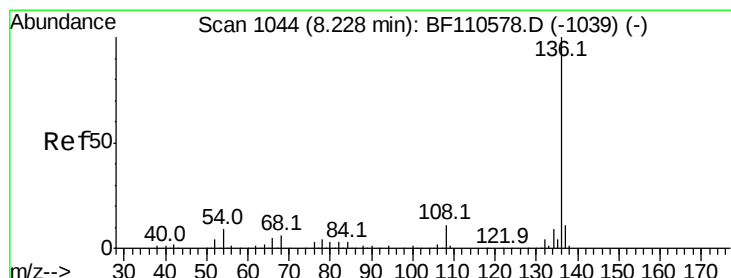
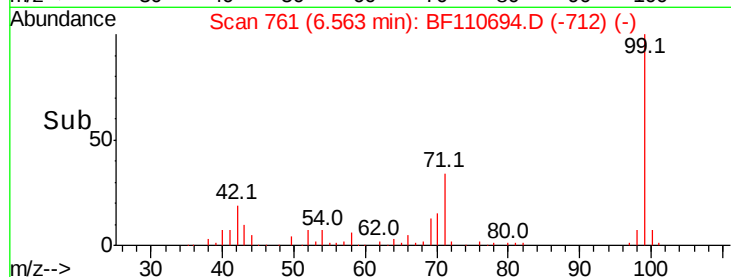
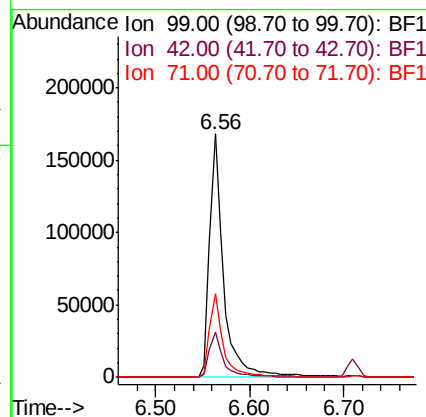
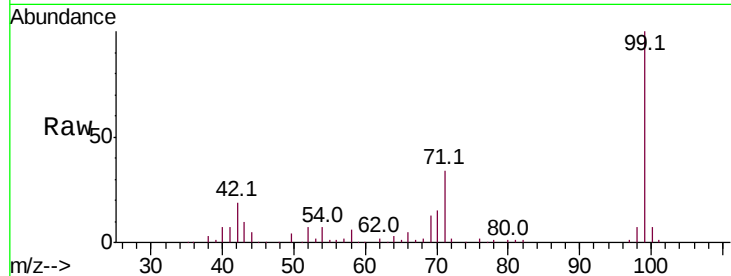
06-TANK-SOIL

Tot Ion: 99 Resp: 177616

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.8	23.6
71	34.1	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

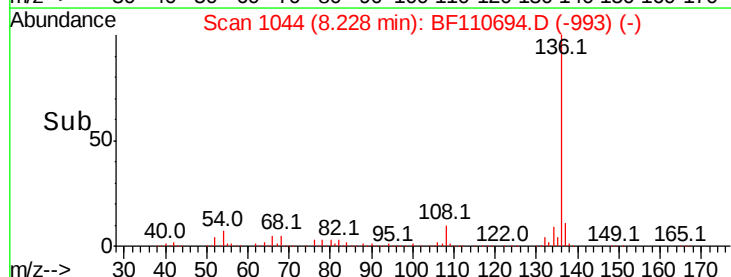
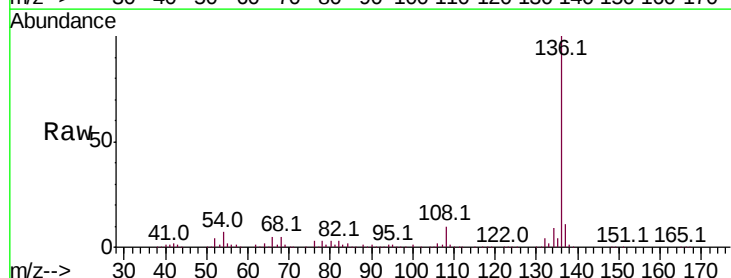
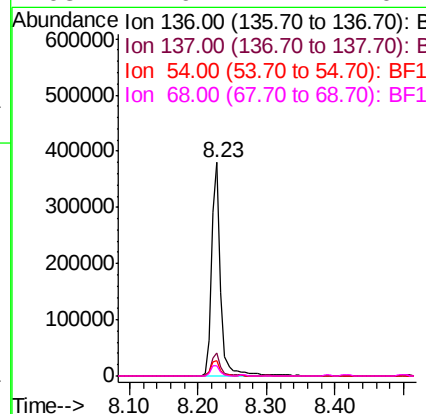
Delta R.T. 0.00 min

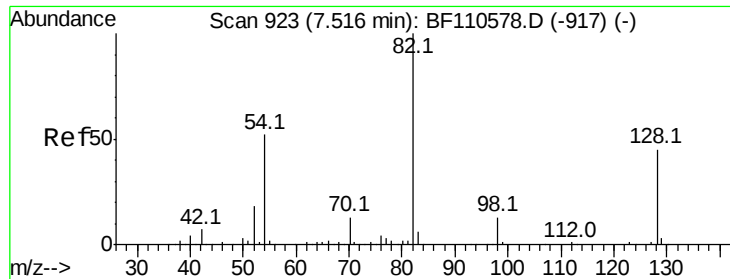
Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

Tgt Ion: 136 Resp: 355894

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.4	5.4	8.2
68	4.9	4.2	6.2





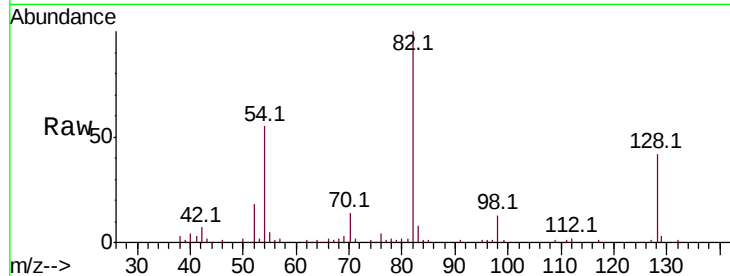
#23
Nitrobenzene-d5
Concen: 16.655 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.2	51.2
54	55.3	38.6	58.0

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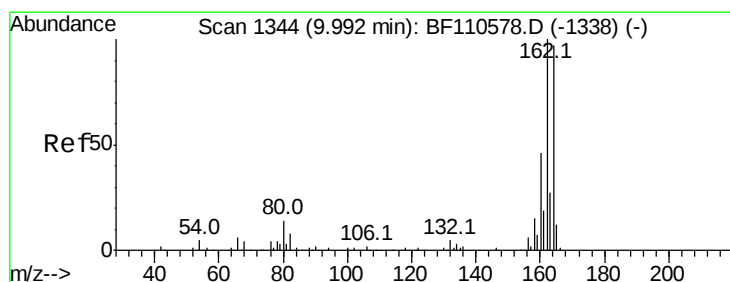
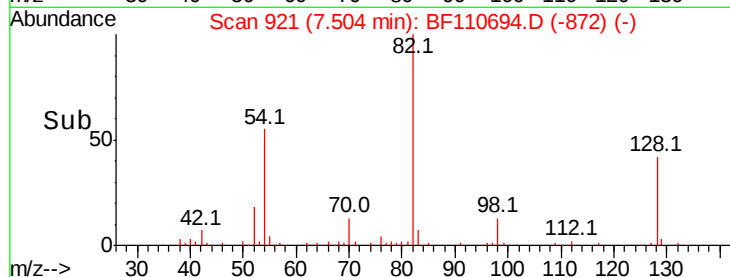
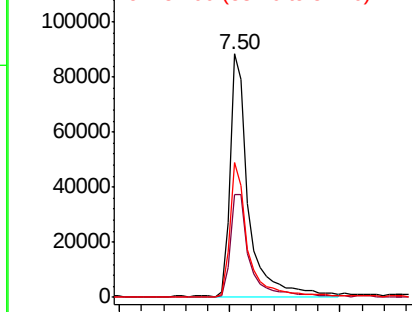


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

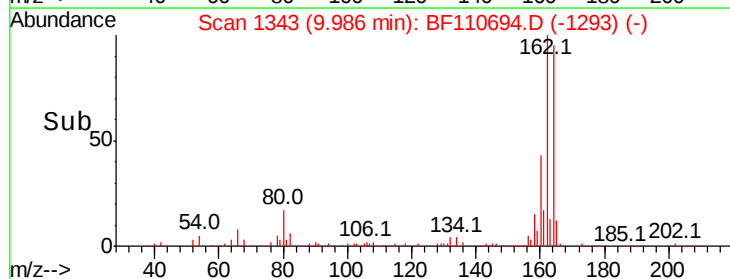
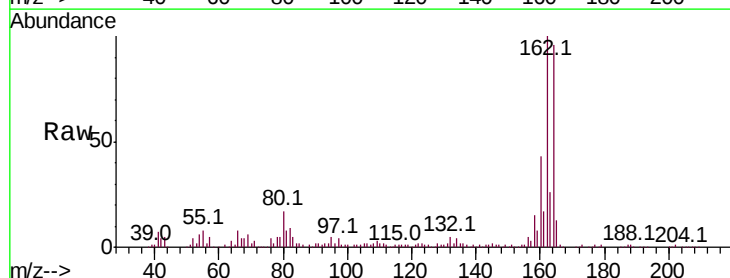
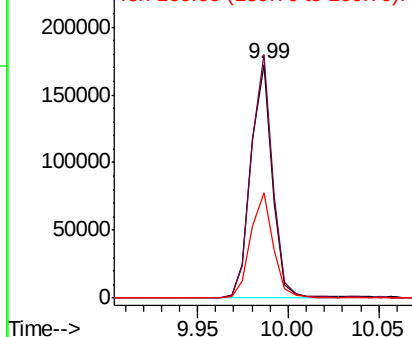
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.0	124.6
160	45.0	37.0	55.6

Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





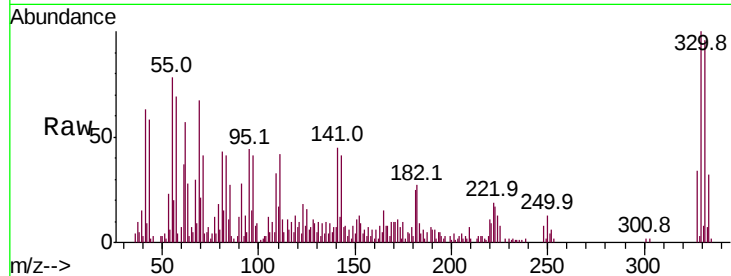
#42
 2,4,6-Tribromophenol
 Concen: 17.700 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110694.D
 Acq: 13 Nov 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :
 06-TANK-SOIL

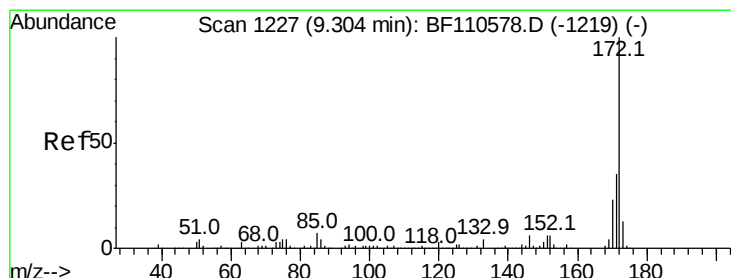
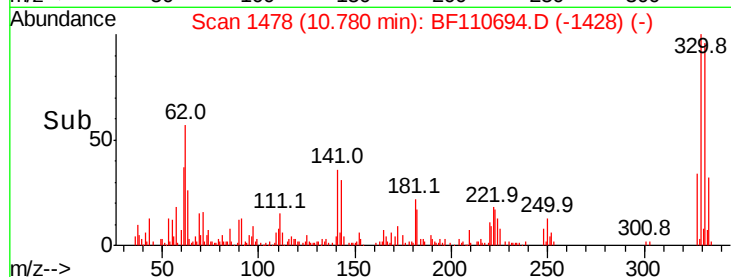
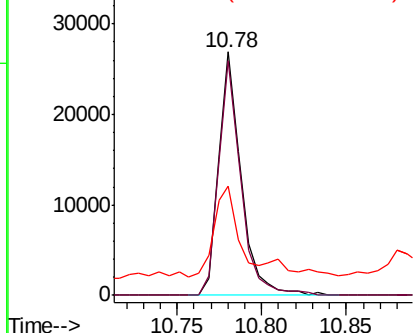
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	40.1	27.0	40.4

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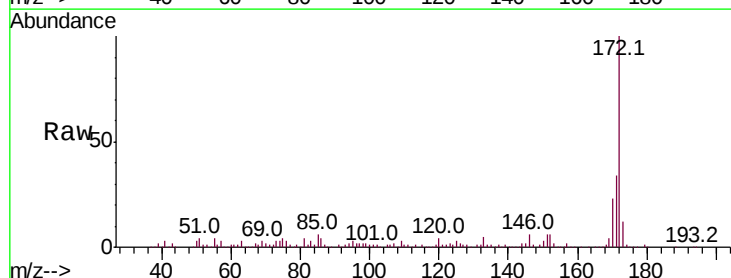


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

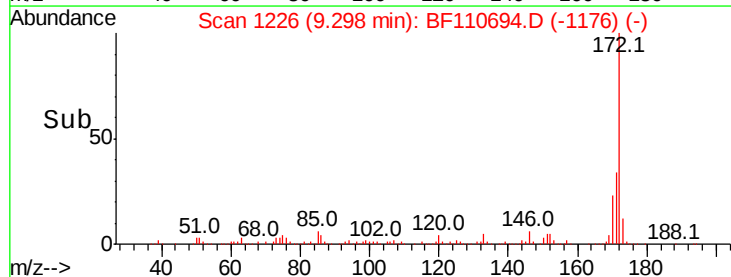
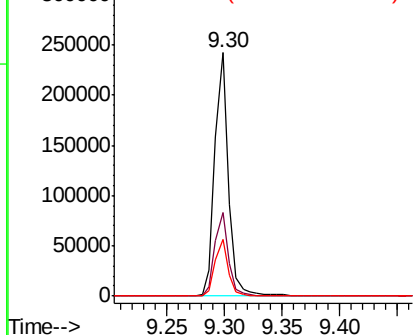


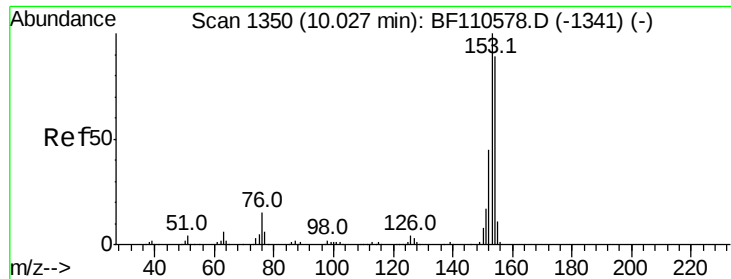
#45
 2-Fluorobiphenyl
 Concen: 20.162 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110694.D
 Acq: 13 Nov 2018 00:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	23.1	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





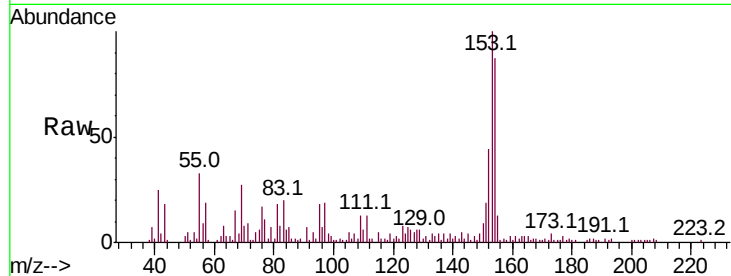
#52
Acenaphthene
Concen: 4.546 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
154	100		
153	115.6	90.1	135.1
152	51.3	43.4	65.2

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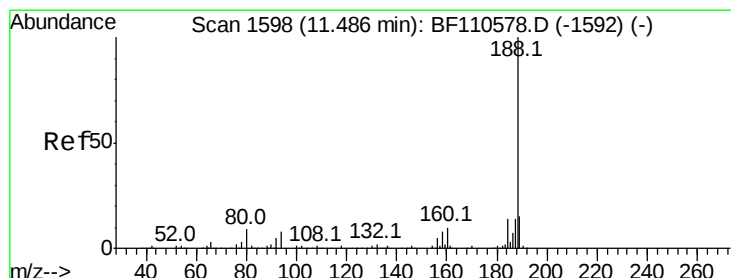
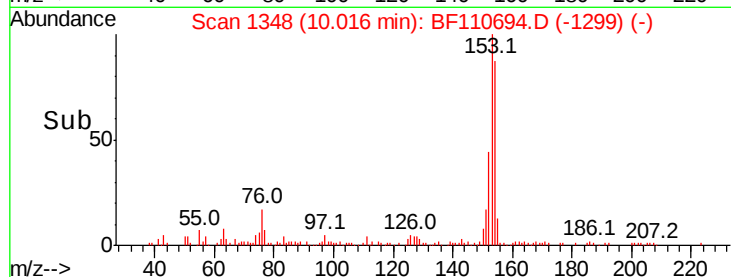
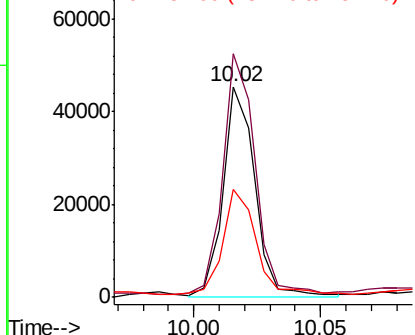


Abundance

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



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

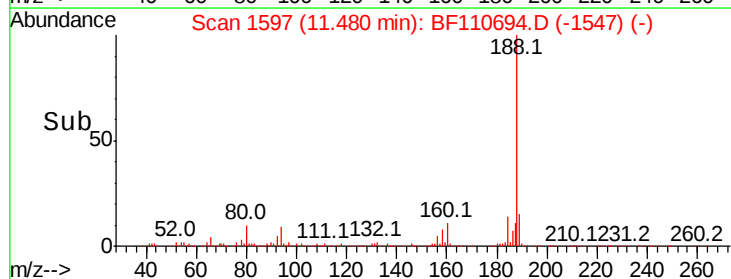
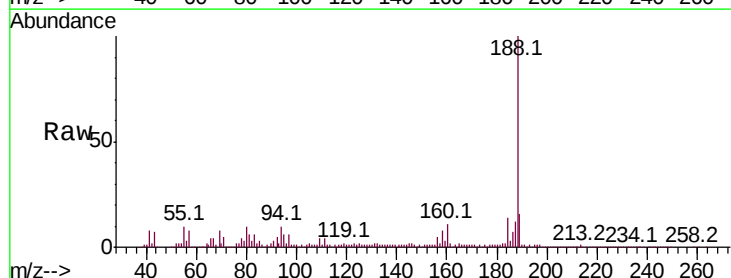
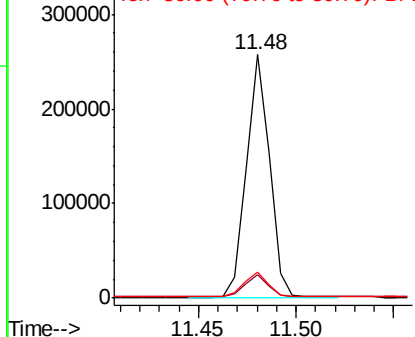
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	10.5	7.9	11.9

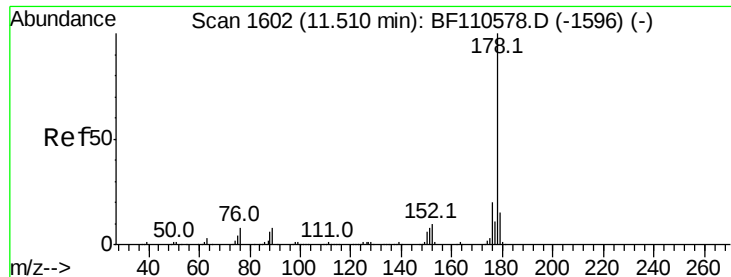
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





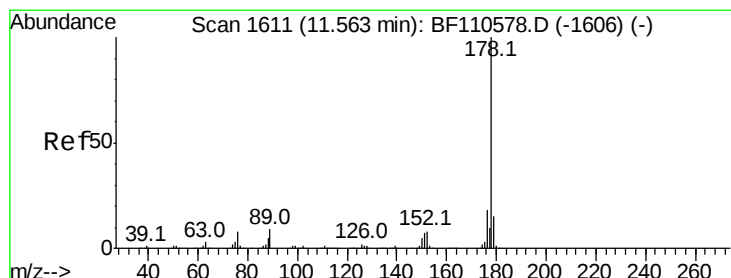
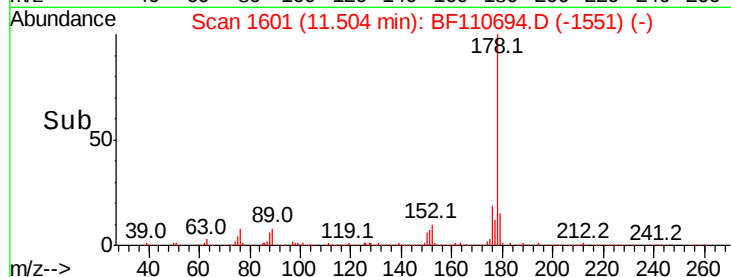
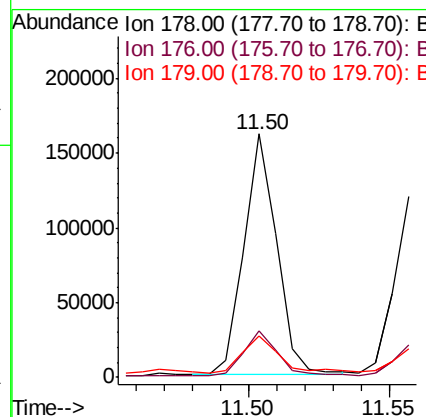
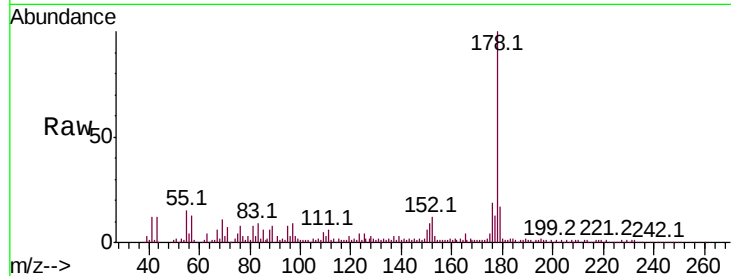
#71
Phenanthrene
Concen: 11.424 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	16.9	12.5	18.7

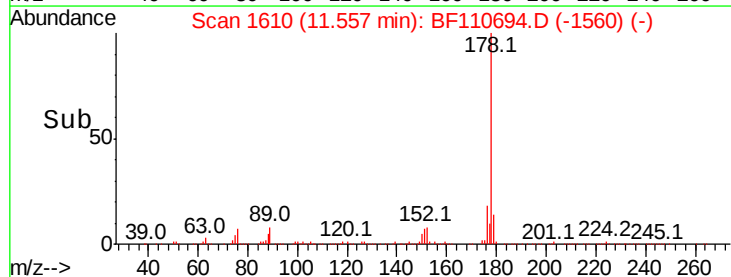
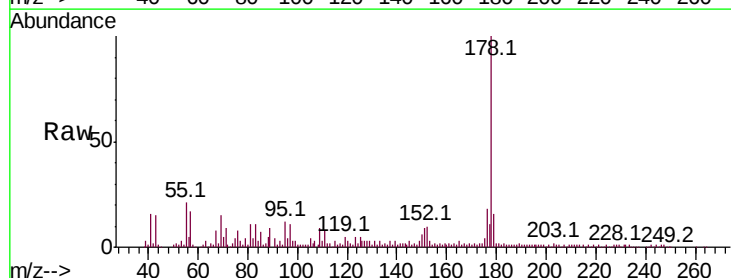
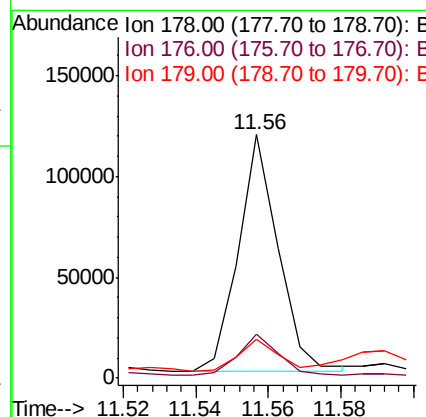
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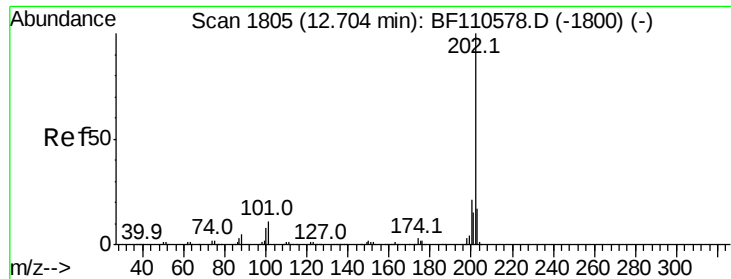
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#72
Anthracene
Concen: 7.866 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.8	12.6	18.8





#75

Fluoranthene

Concen: 37.188 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

Instrument :

BNA_F

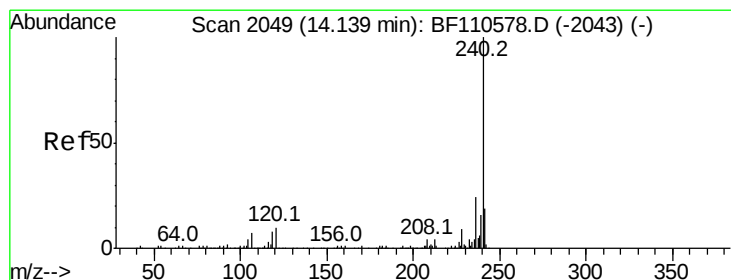
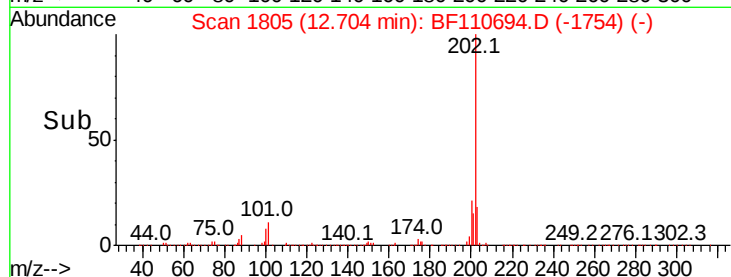
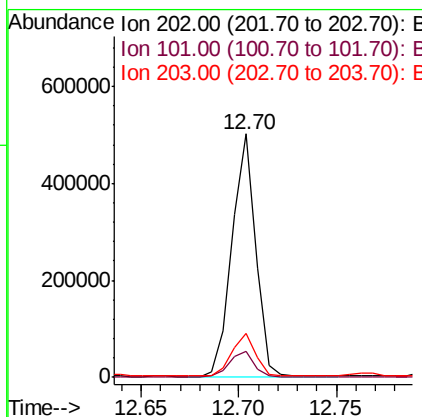
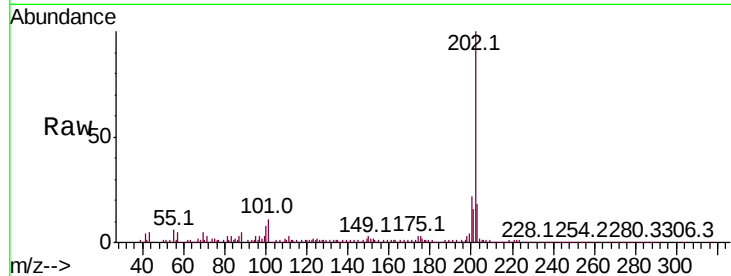
ClientSampleId :

06-TANK-SOIL

Tot Ion:	202	Resp:	423463
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.4
203	18.1	0.0	37.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

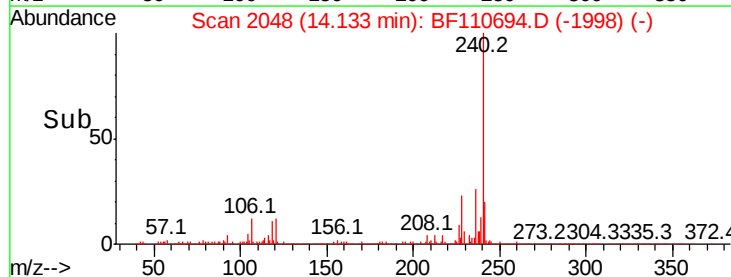
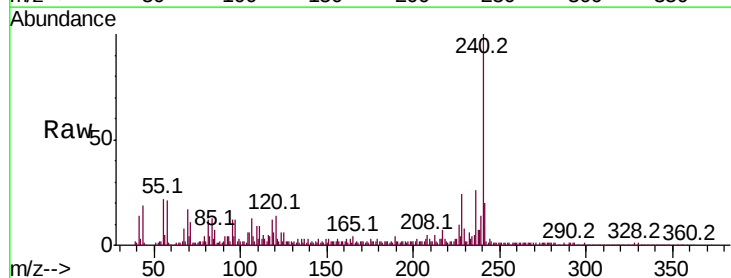
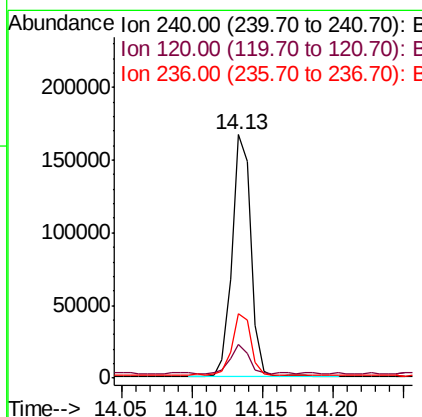
RT: 14.13 min Scan# 2048

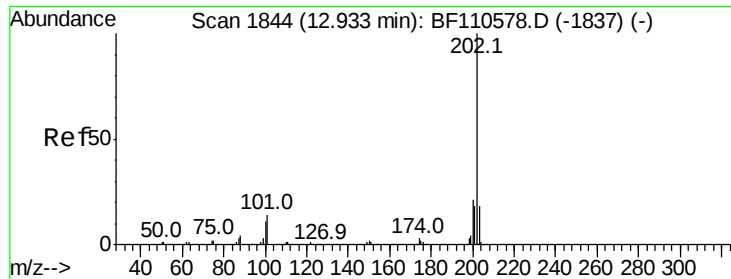
Delta R.T. -0.01 min

Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

Tgt Ion:	240	Resp:	154443
Ion Ratio	Lower	Upper	
240	100		
120	13.9	8.3	12.5#
236	26.5	21.2	31.8





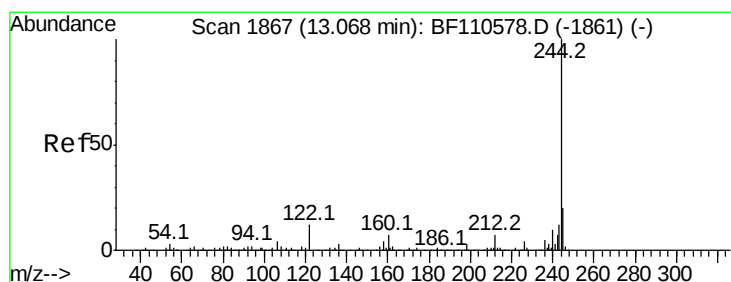
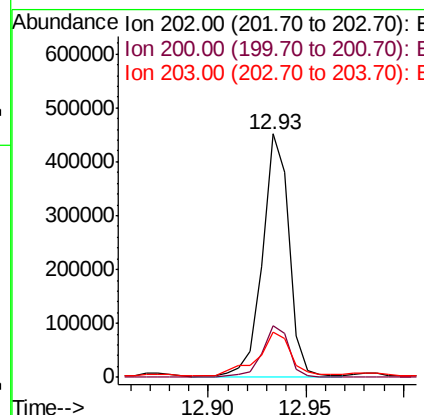
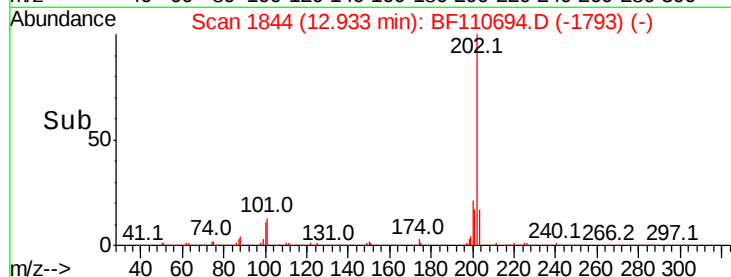
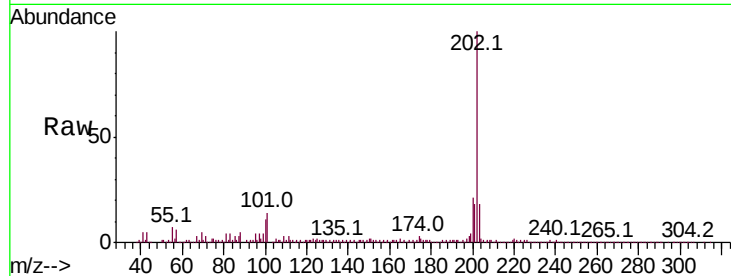
#78
Pvrene
Concen: 35.368 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.5	14.2	21.4

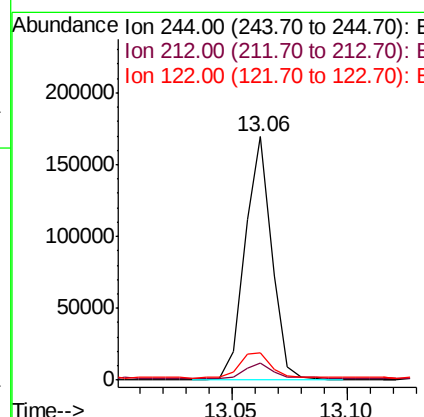
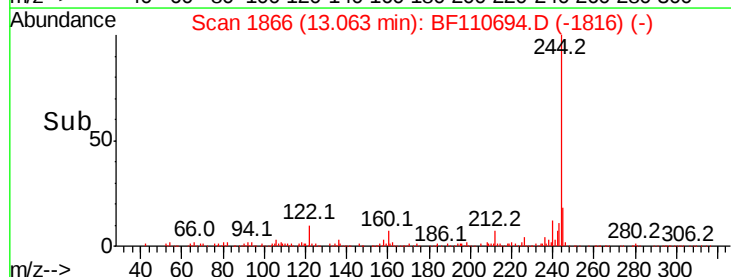
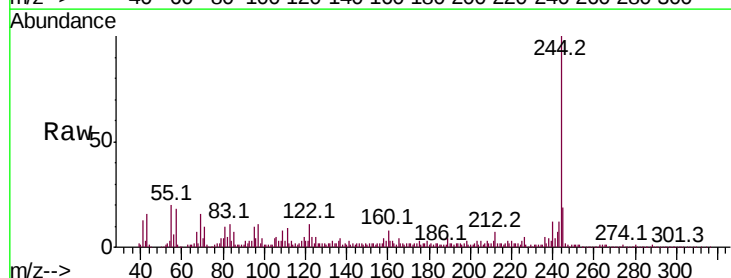
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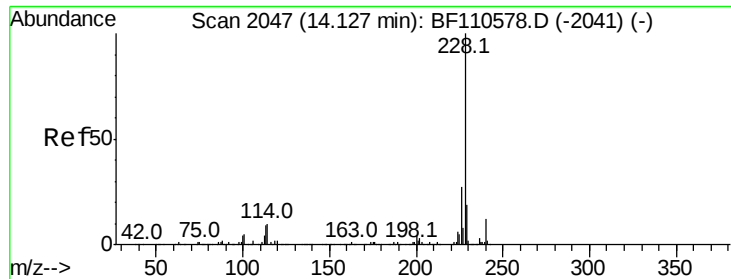
Sohil
11/13/2018 11:16:42 AM



#79
Terphenyl-d14
Concen: 16.435 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.0	8.7	13.1





#81

Benzo(a)anthracene

Concen: 11.036 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

Instrument :

BNA_F

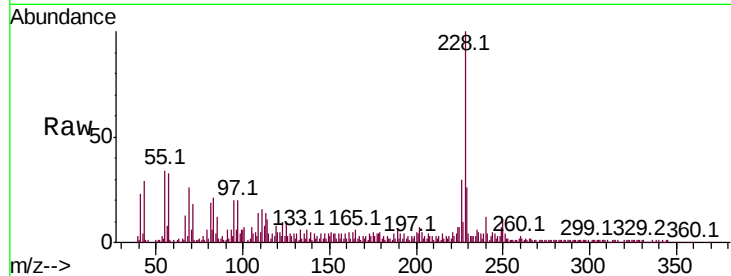
ClientSampleId :

06-TANK-SOIL

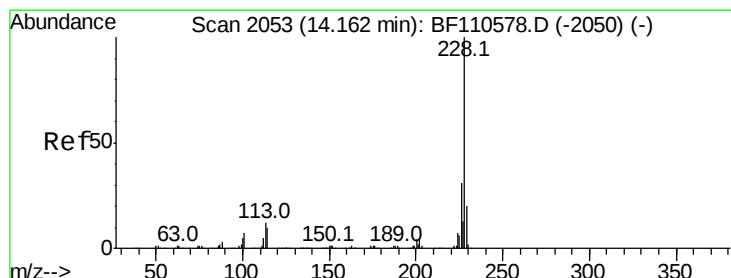
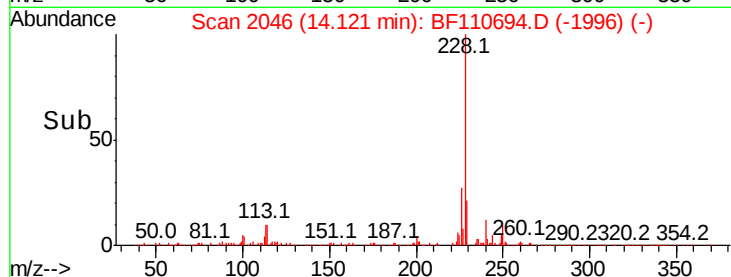
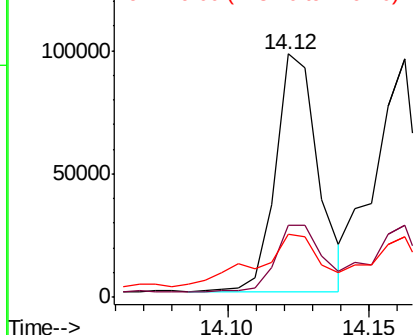
Tot Ion:	228	Resp:	101879
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.1	33.1
229	25.9	15.6	23.4

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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: 11.538 ng

RT: 14.16 min Scan# 2053

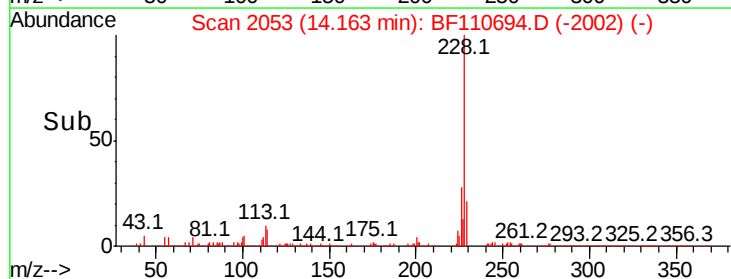
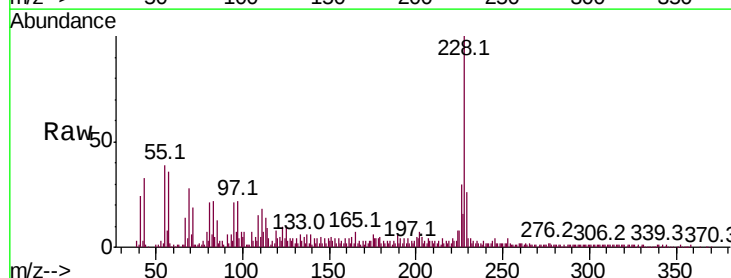
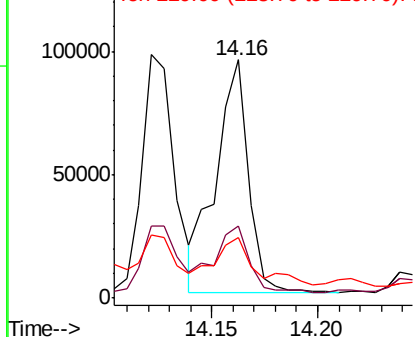
Delta R.T. 0.00 min

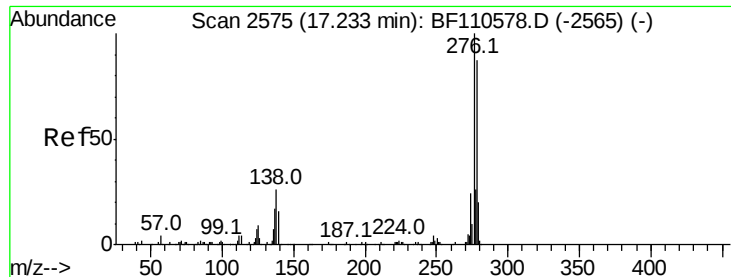
Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

Tgt Ion:	228	Resp:	101474
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.7	37.1
229	25.7	15.9	23.9

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





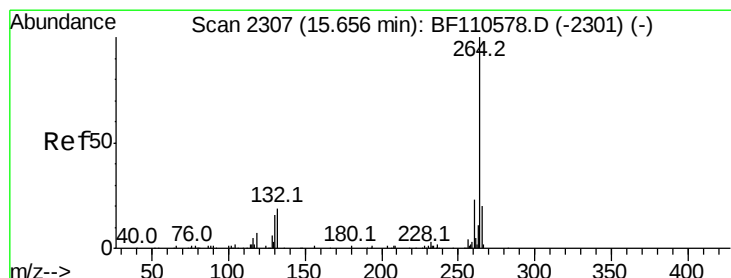
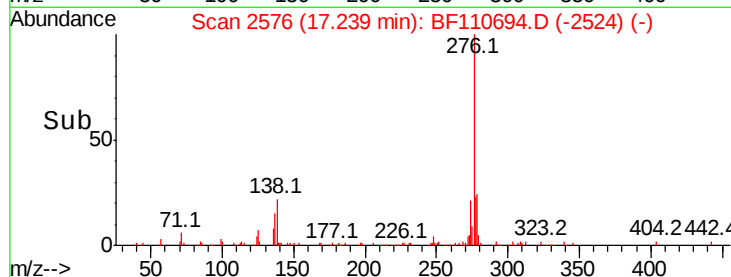
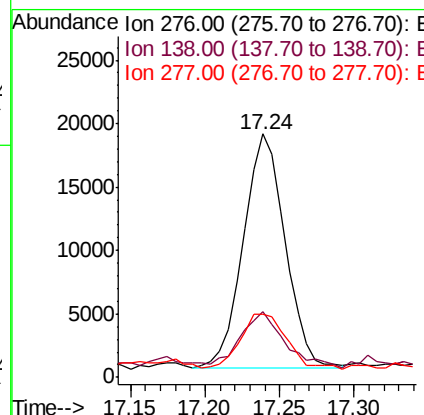
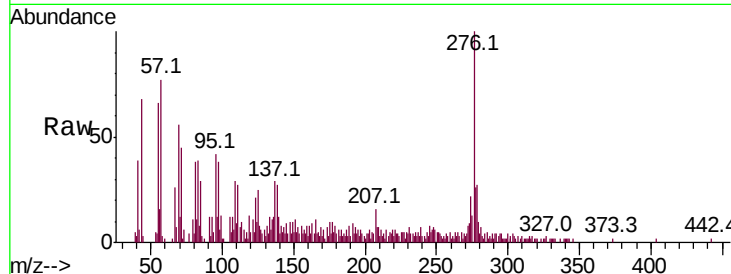
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.665 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.5	27.7
277	26.3	20.0	30.0

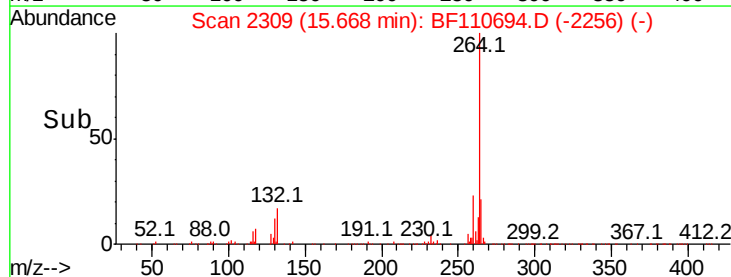
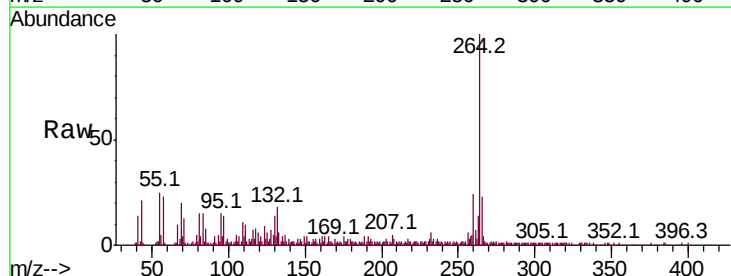
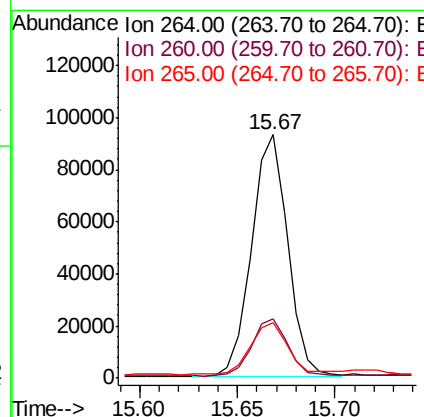
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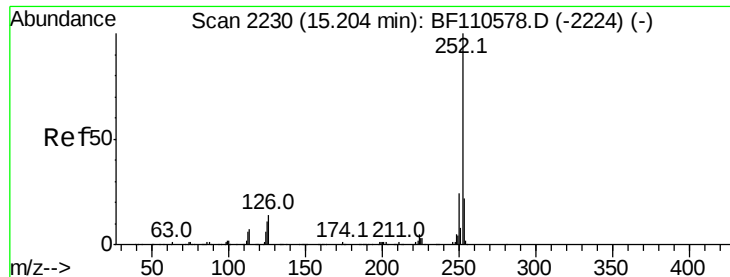
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.5	16.7	25.1





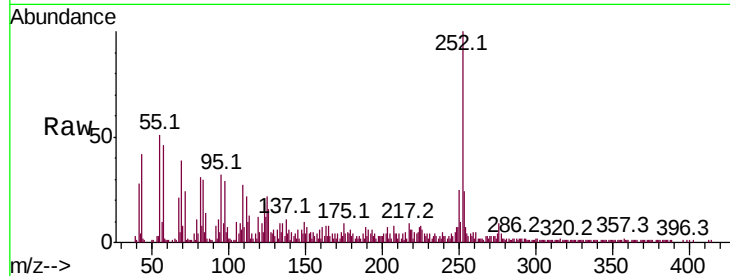
#88
Benzo(b)fluoranthene
Concen: 11.669 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	21.8	8.2	12.4

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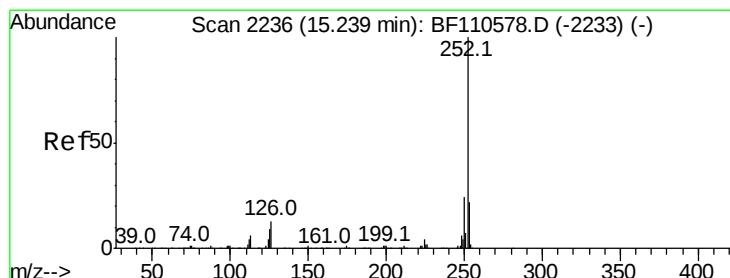
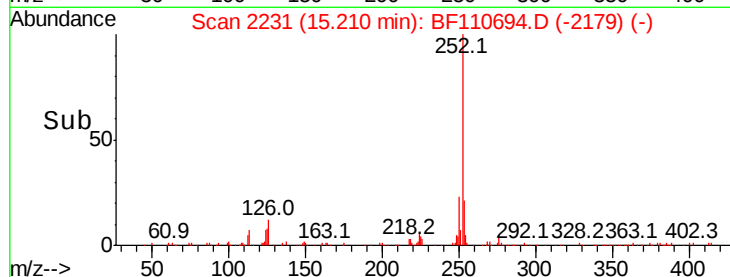
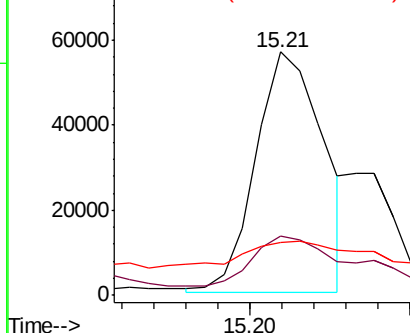


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.241 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

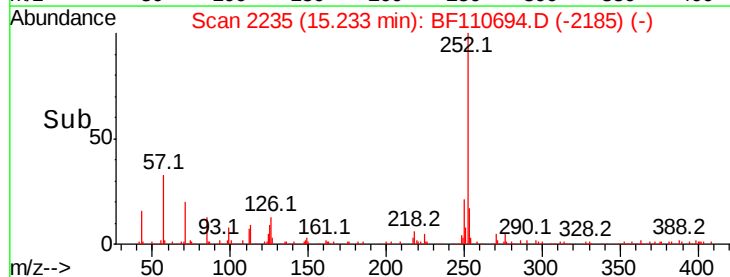
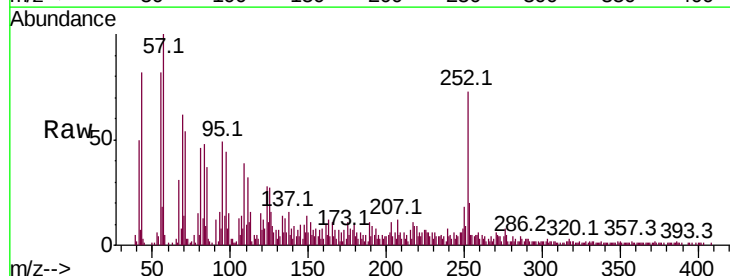
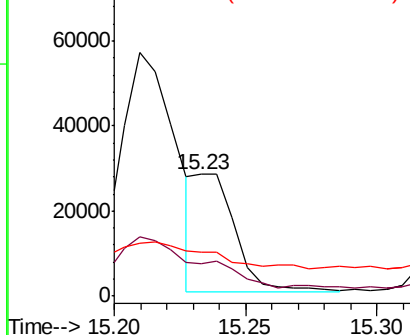
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.2	25.8
125	36.3	7.4	11.0

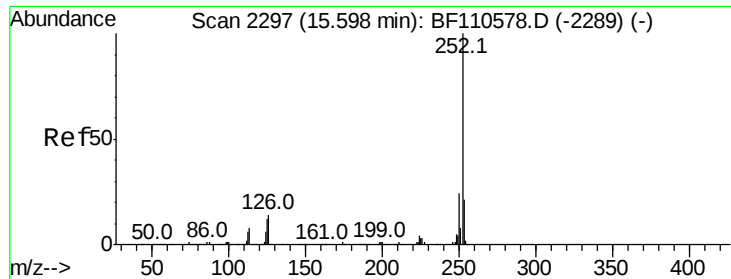
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





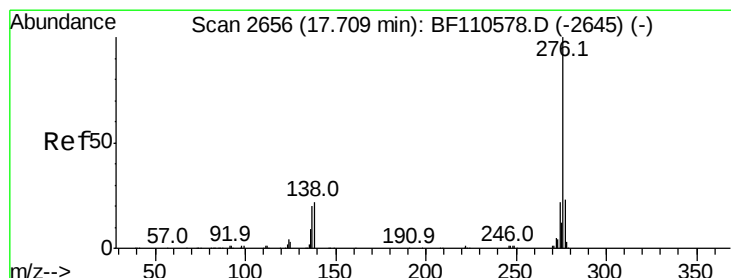
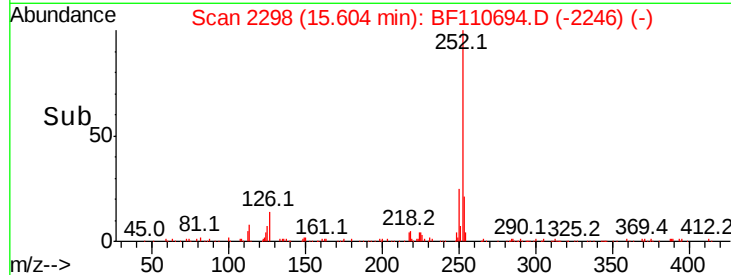
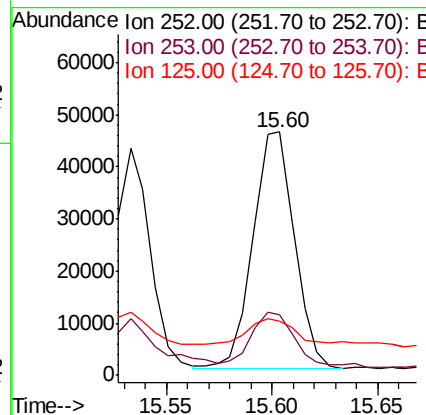
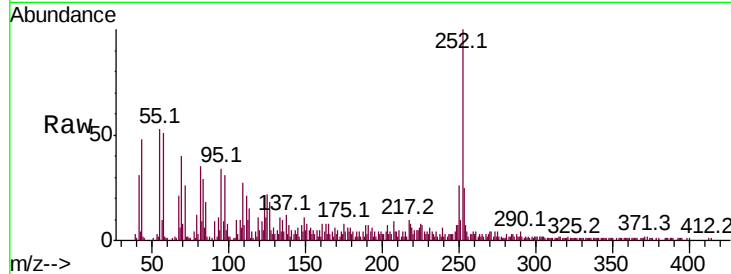
#90
Benzo(a)pyrene
Concen: 9.563 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.4
125	22.3	9.0	13.6

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#92
Benzo(g,h,i)perylene
Concen: 6.878 ng
RT: 17.72 min Scan# 2658
Delta R.T. 0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	22.7	16.0	24.0

