

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

Quant Time: Nov 13 05:42:23 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

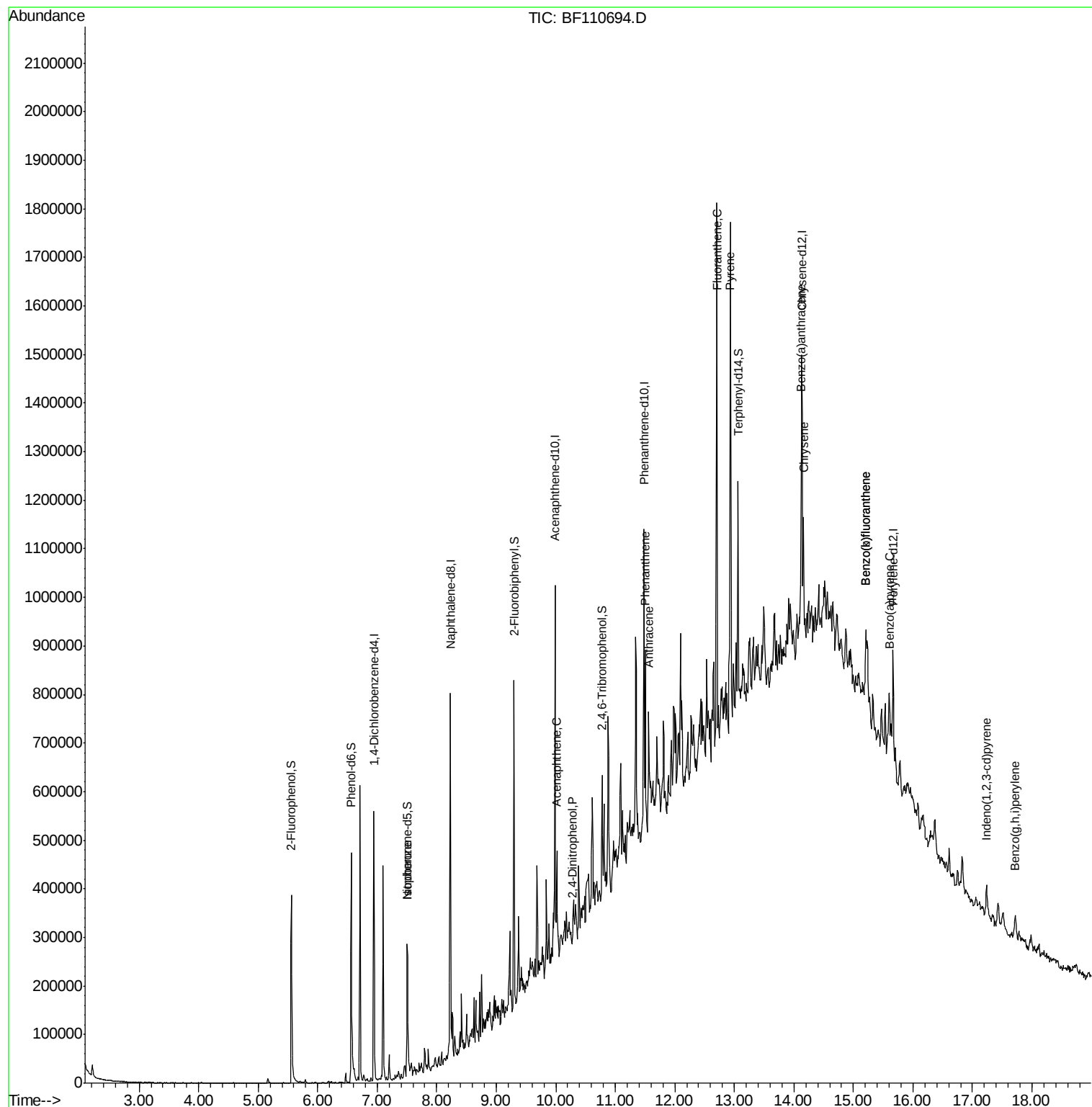
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.71	77	3006	Below Cal		83
25) Isophorone	7.50	82	102841	10.153	ng	# 68
52) Acenaphthene	10.02	154	39298	4.546	ng	97
54) 2,4-Dinitrophenol	10.27	184	830	5.547	ng	# 74
71) Phenanthrene	11.50	178	129748	11.424	ng	98
72) Anthracene	11.56	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	110110	15.463	ng	# 86
89) Benzo(k)fluoranthene	15.21	252	110110	15.649	ng	# 86
90) Benzo(a)pyrene	15.60	252	61871	9.563	ng	# 88
92) Benzo(g,h,i)perylene	17.72	276	37362	6.878	ng	97

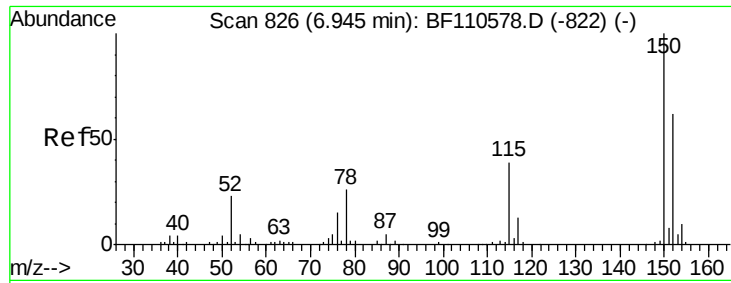
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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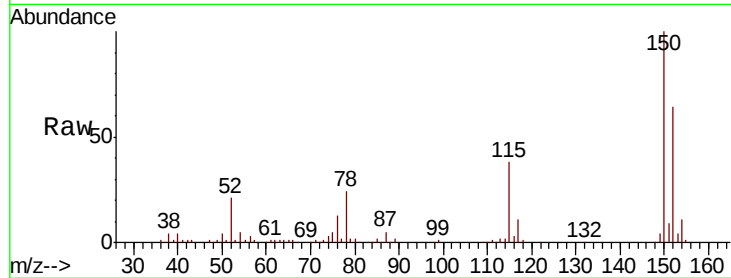




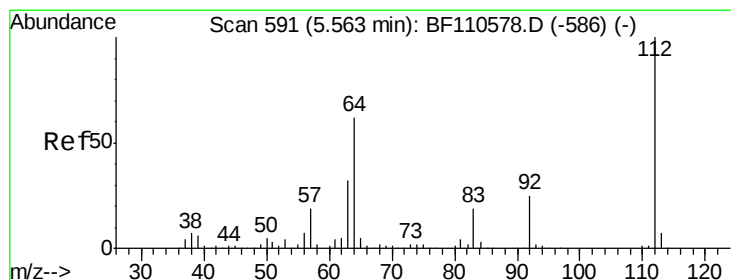
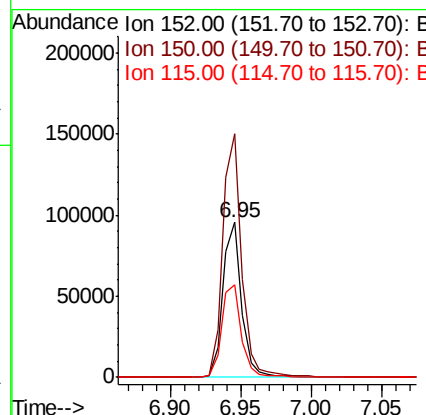
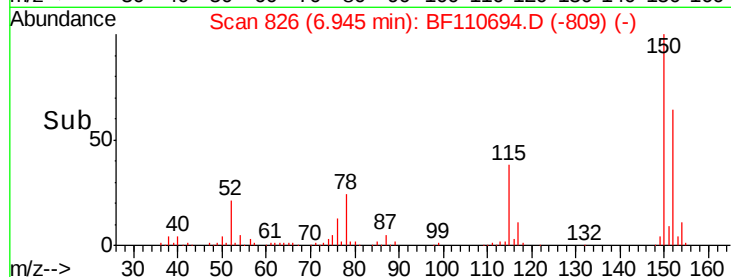
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110694.D
 Acq: 13 Nov 2018 00:16

Instrument :
 BNA_F
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Tgt Ion:152 Resp: 88769
 Ion Ratio Lower Upper
 152 100
 150 157.0 122.7 184.1
 115 60.0 49.1 73.7

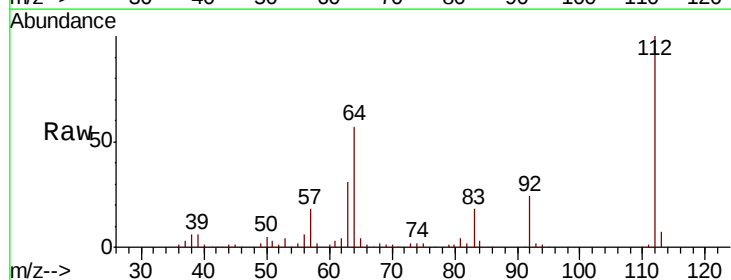


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

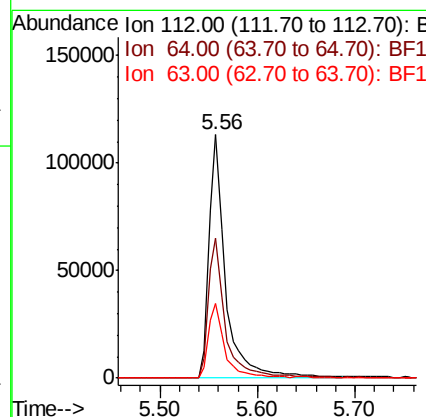
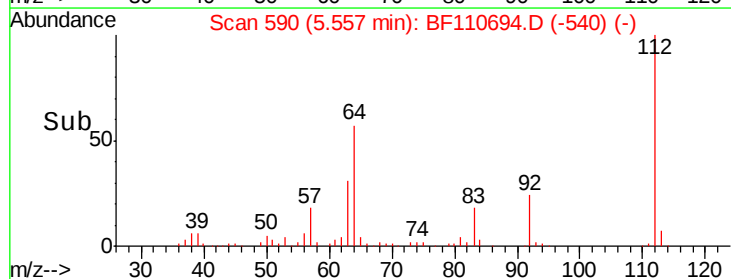


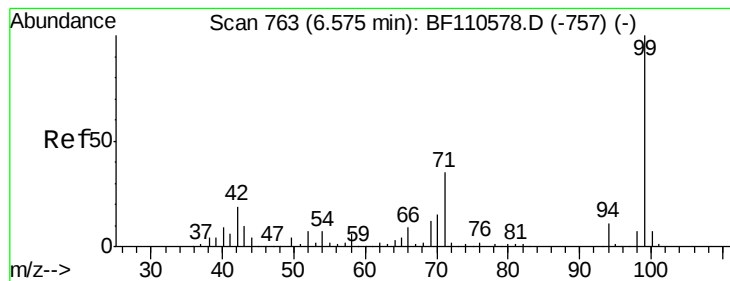
#5
 2-Fluorophenol
 Concen: 24.504 ng
 RT: 5.56 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF110694.D
 Acq: 13 Nov 2018 00:16

Tgt Ion:112 Resp: 133912
 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

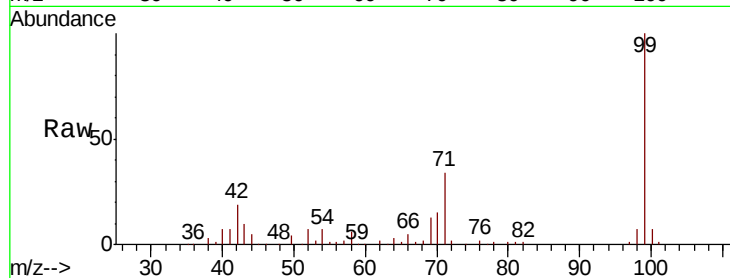
Tgt Ion: 99 Resp: 177616

Ion Ratio Lower Upper

99 100

42 18.7 15.8 23.6

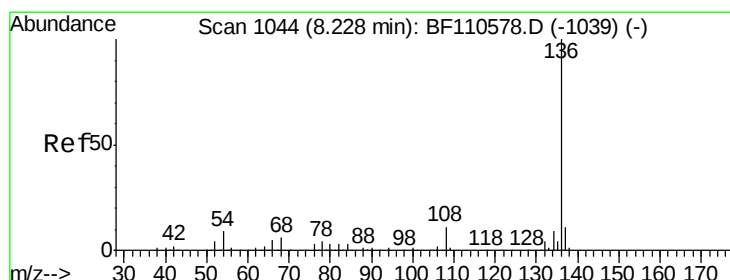
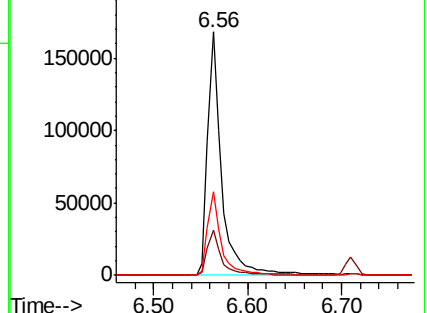
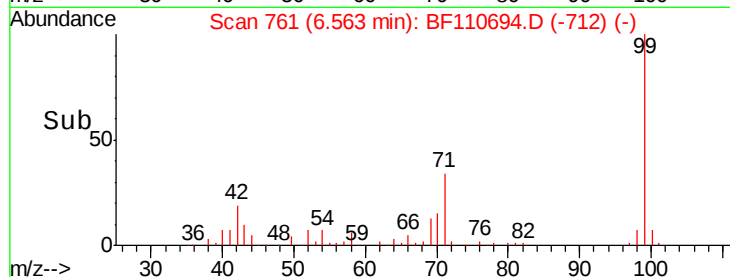
71 34.1 28.0 42.0



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: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

Tgt Ion: 136 Resp: 355894

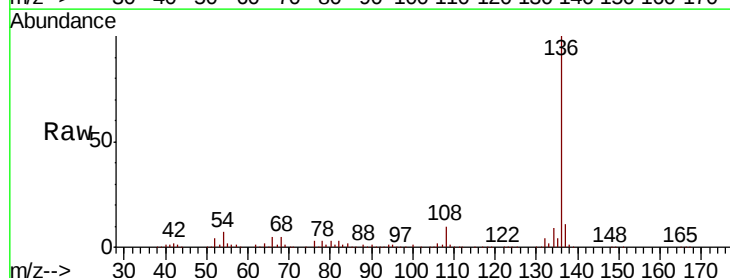
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.4 5.4 8.2

68 4.9 4.2 6.2

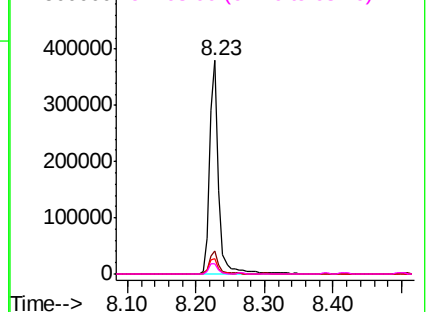
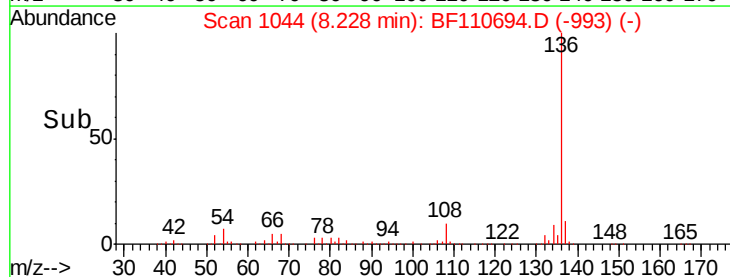


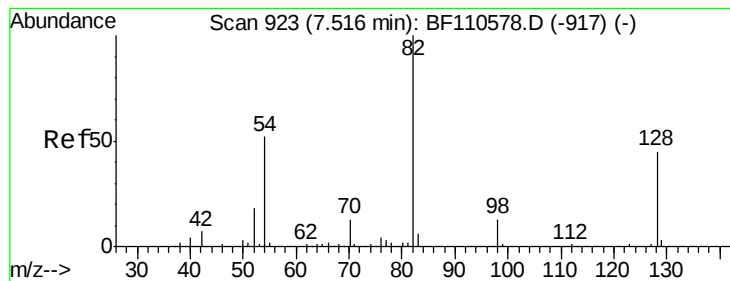
Abundance Ion 136.00 (135.70 to 136.70): E

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: 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

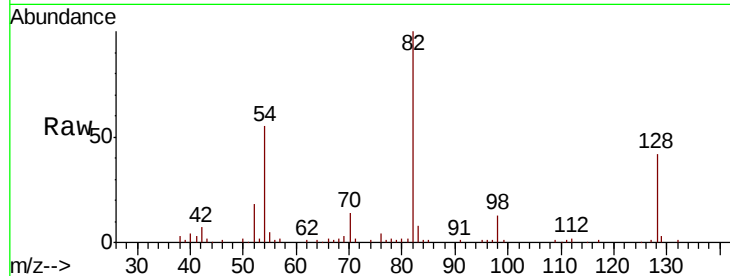
Tgt Ion: 82 Resp: 102923

Ion Ratio Lower Upper

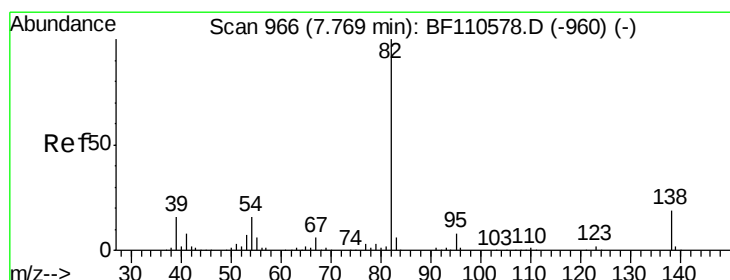
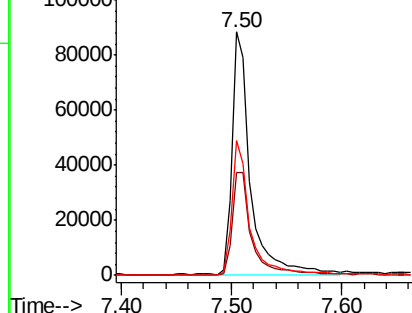
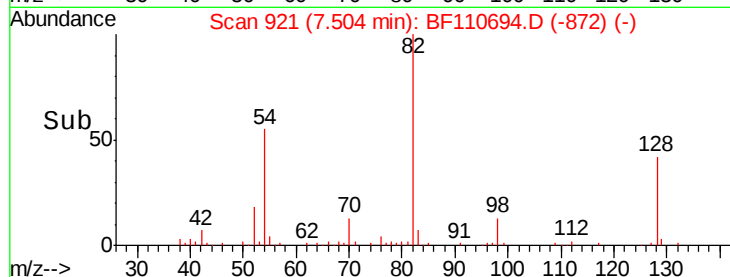
82 100

128 42.1 34.2 51.2

54 55.3 38.6 58.0



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



#25

Isophorone

Concen: 10.153 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110694.D

Acq: 13 Nov 2018 00:16

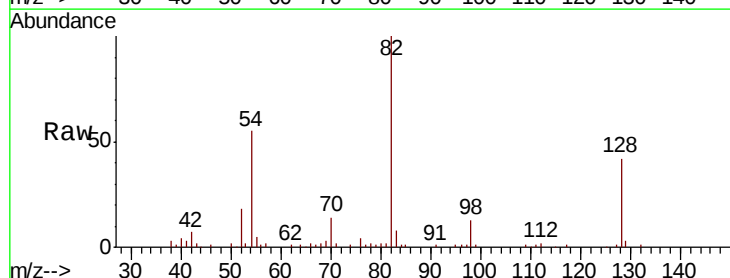
Tgt Ion: 82 Resp: 102841

Ion Ratio Lower Upper

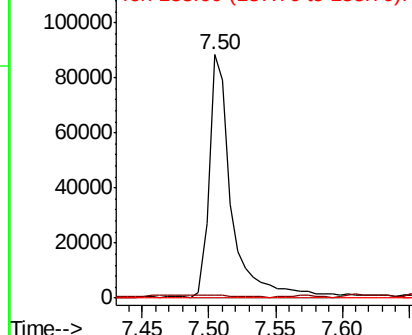
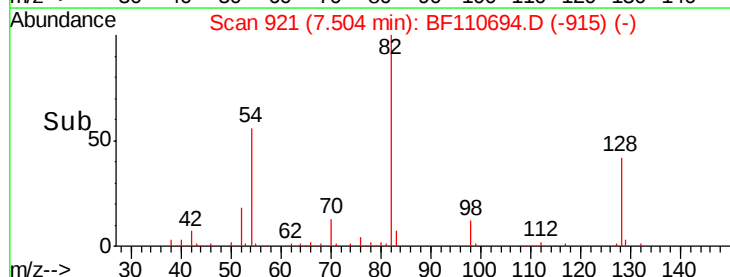
82 100

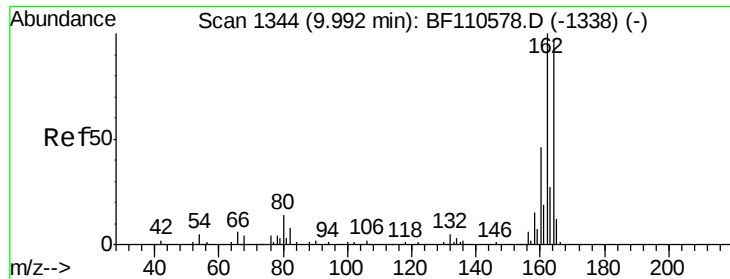
95 1.0 5.7 8.5#

138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

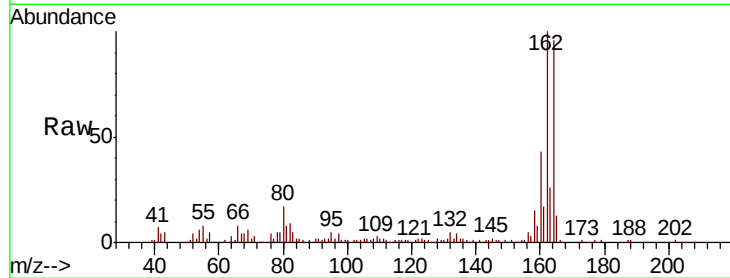




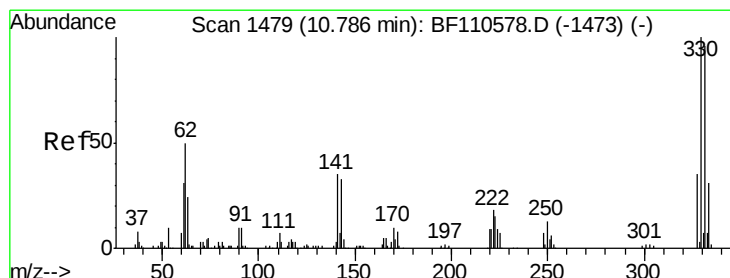
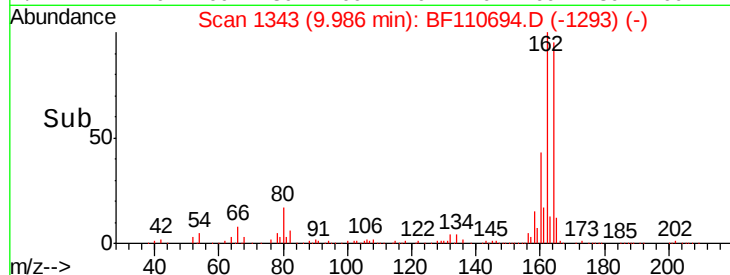
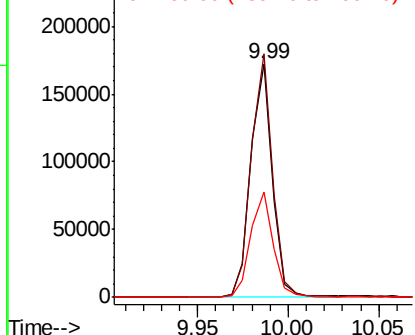
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
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Tgt Ion:164 Resp: 141315
Ion Ratio Lower Upper
164 100
162 104.2 83.0 124.6
160 45.0 37.0 55.6

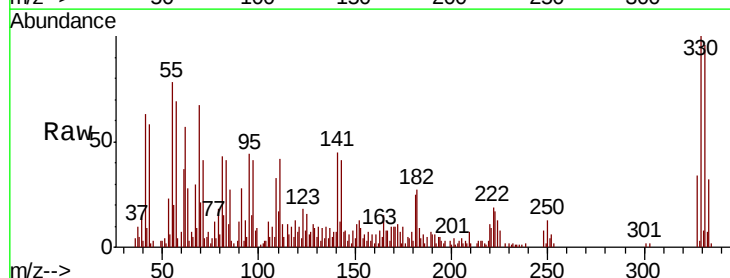


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

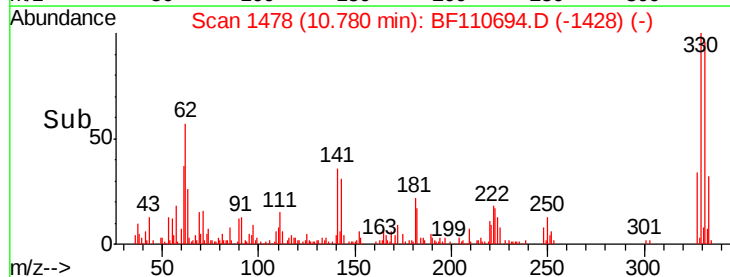
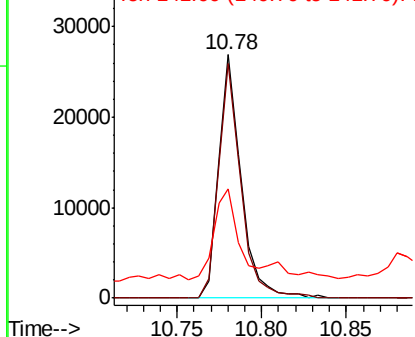


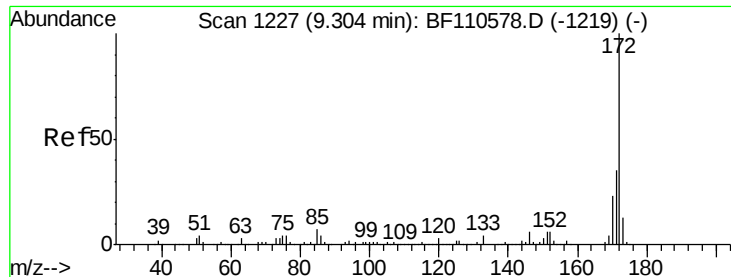
#42
2,4,6-Tribromophenol
Concen: 17.700 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Tgt Ion:330 Resp: 25204
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 40.1 27.0 40.4



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

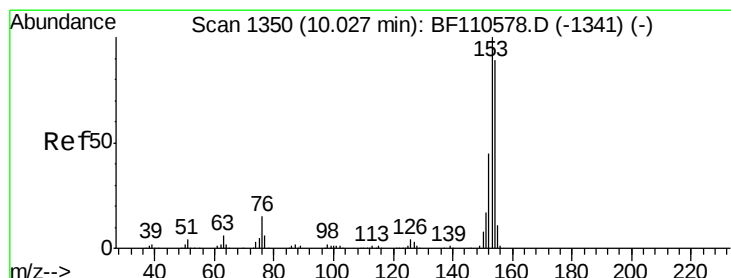
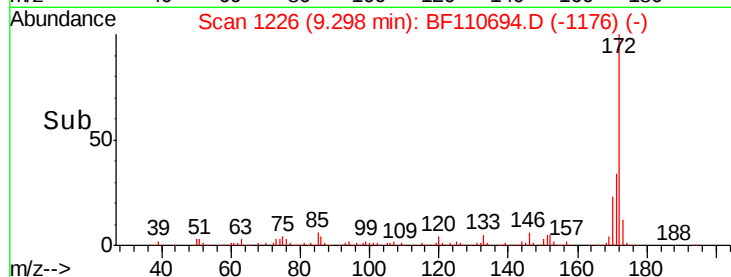
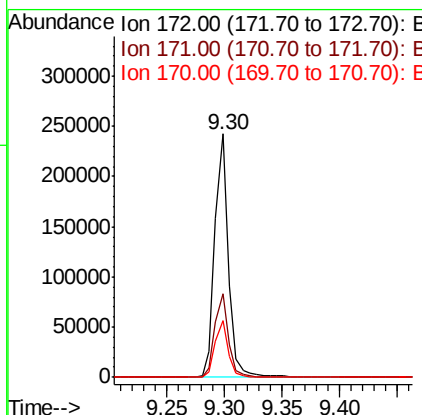
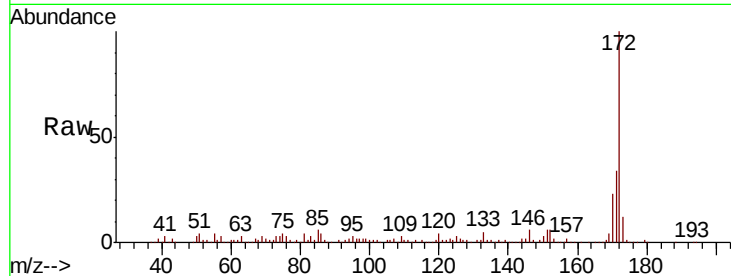




#45
 2-Fluorobiphenyl
 Concen: 20.162 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110694.D
 Acq: 13 Nov 2018 00:16

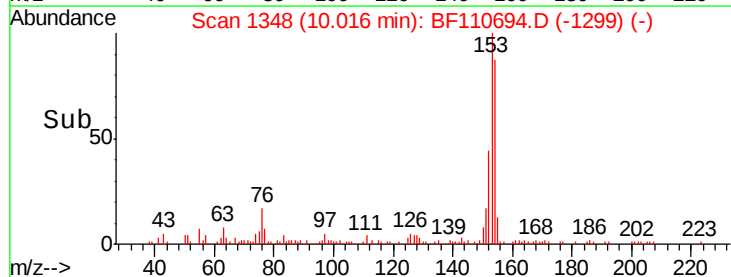
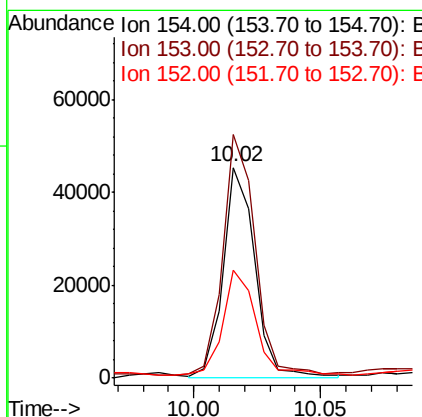
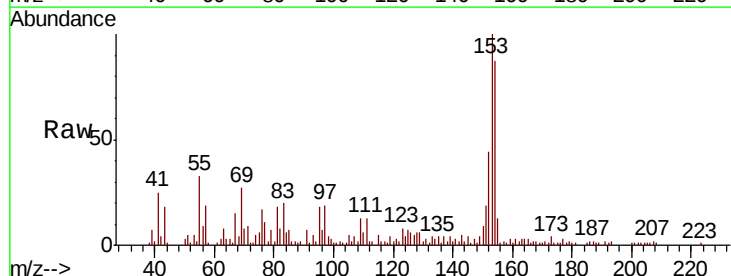
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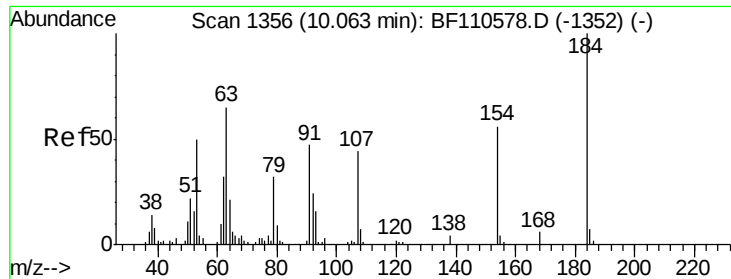
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	23.1	19.7	29.5



#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

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.6	90.1	135.1
152	51.3	43.4	65.2

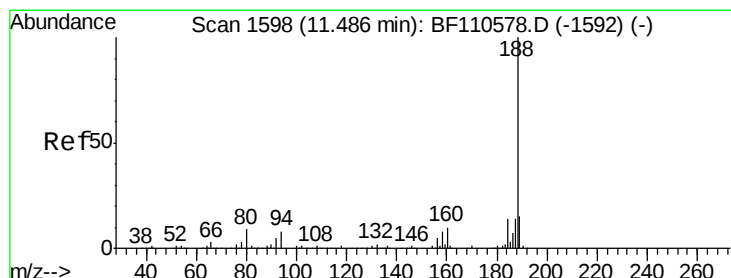
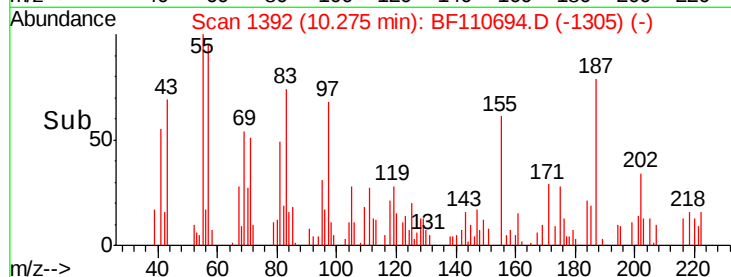
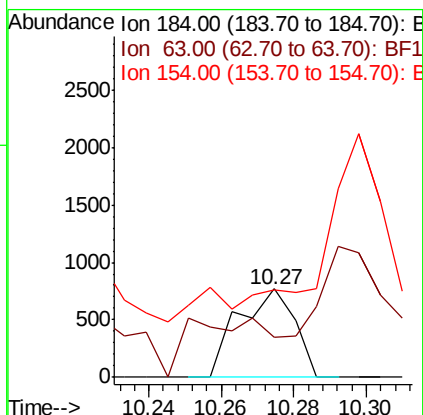
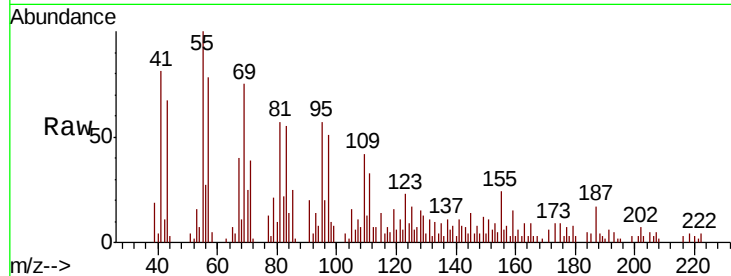




#54
2,4-Dinitrophenol
Concen: 5.547 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.21 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

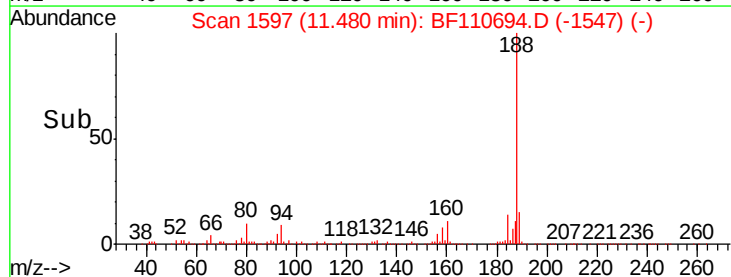
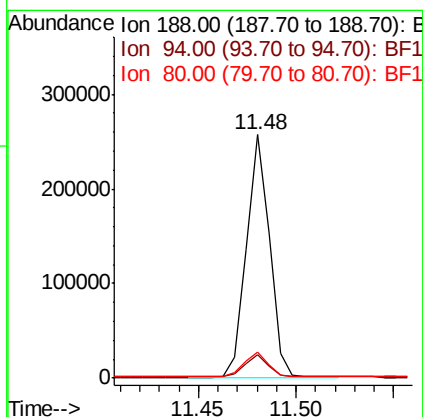
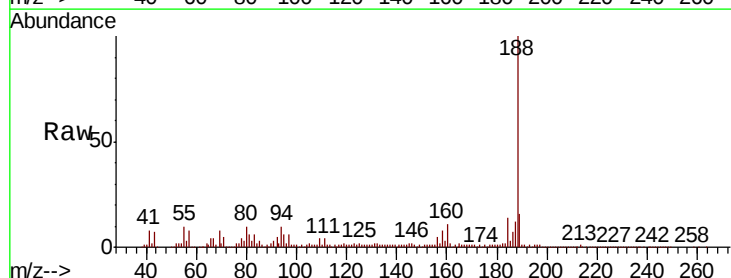
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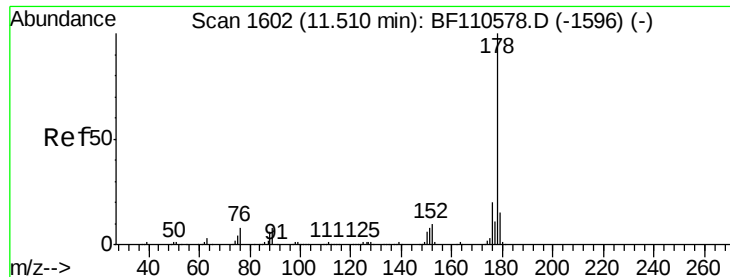
Tgt Ion:184 Resp: 830
Ion Ratio Lower Upper
184 100
63 45.7 55.8 83.6#
154 98.7 63.2 94.8#



#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:188 Resp: 212002
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 10.5 7.9 11.9

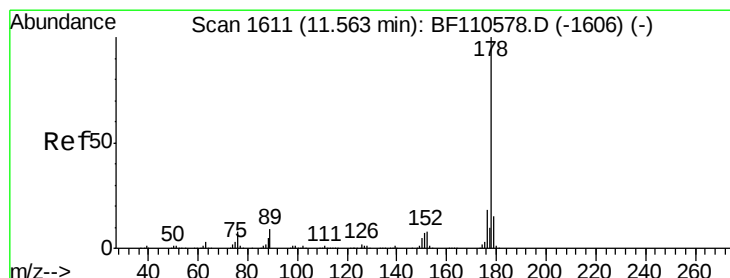
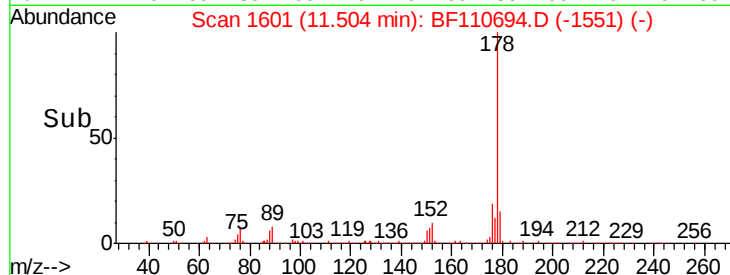
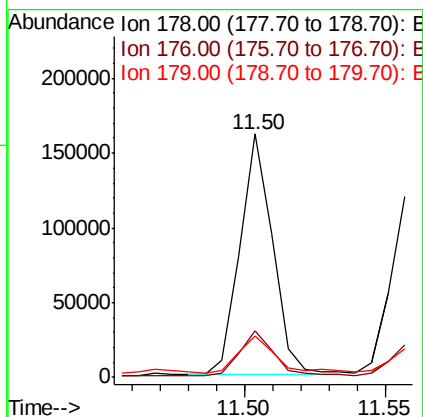
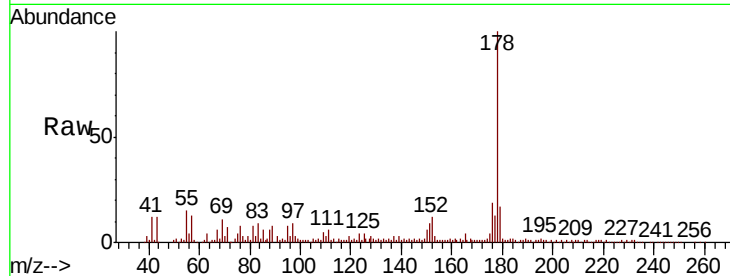




#71
Phenanthrene
Concen: 11.424 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

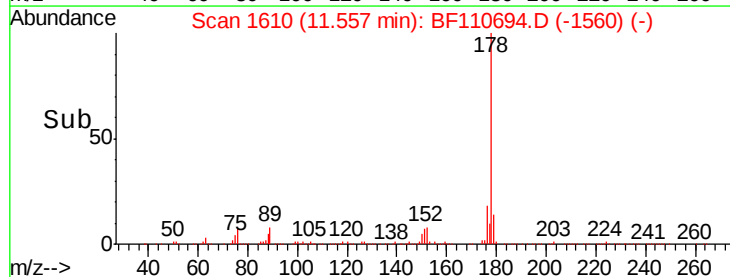
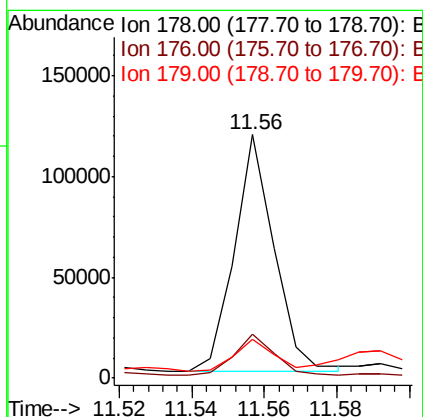
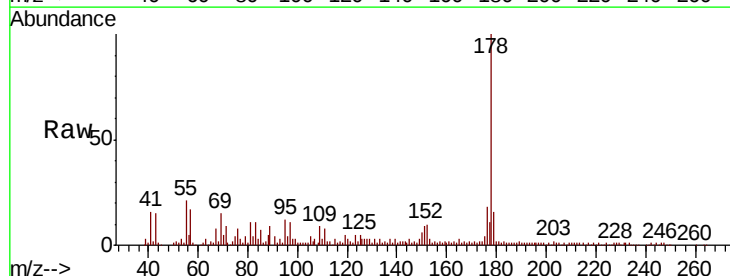
Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

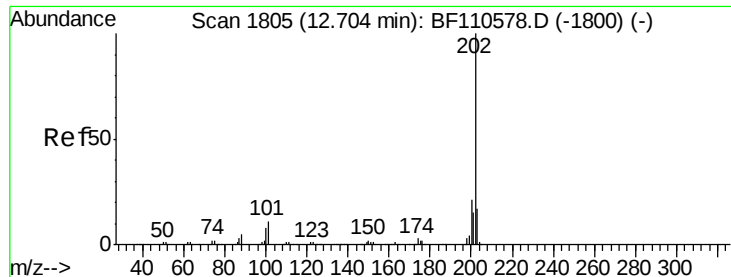
Tgt Ion:178 Resp: 129748
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 16.9 12.5 18.7



#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:178 Resp: 90119
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

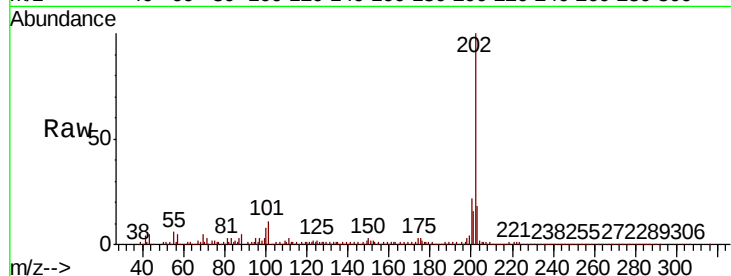
Tgt Ion:202 Resp: 423463

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

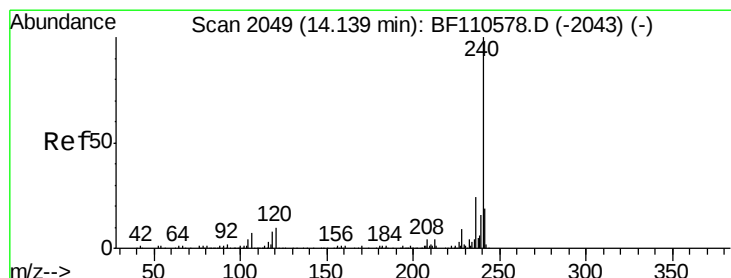
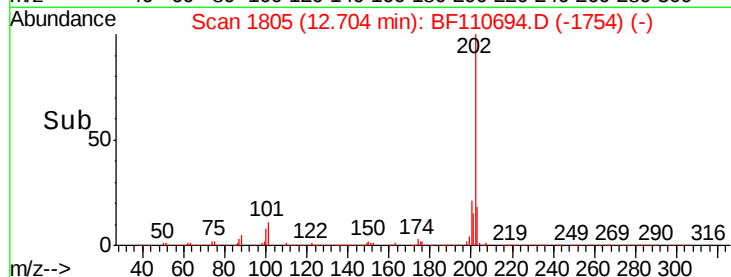
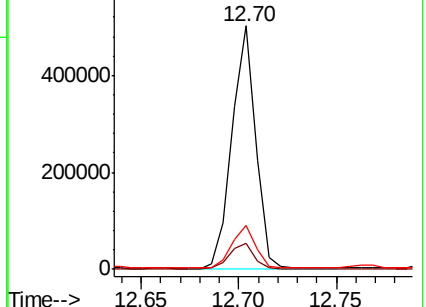
203 18.1 0.0 37.7



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: BF110694.D

Acq: 13 Nov 2018 00:16

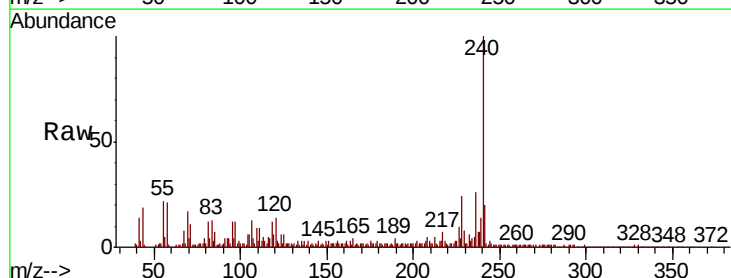
Tgt Ion:240 Resp: 154443

Ion Ratio Lower Upper

240 100

120 13.9 8.3 12.5#

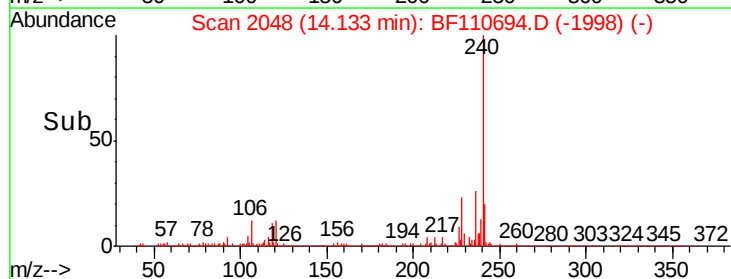
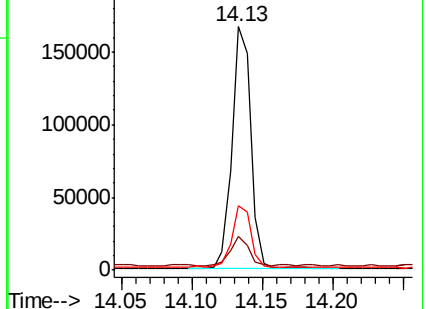
236 26.5 21.2 31.8

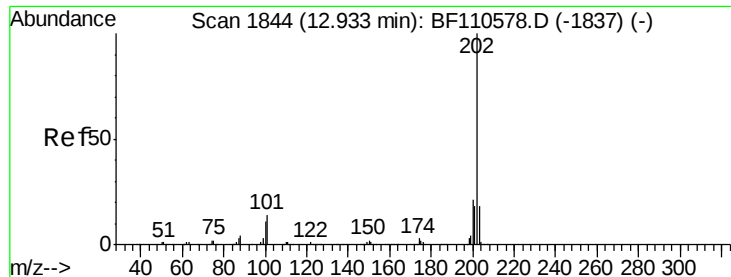


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

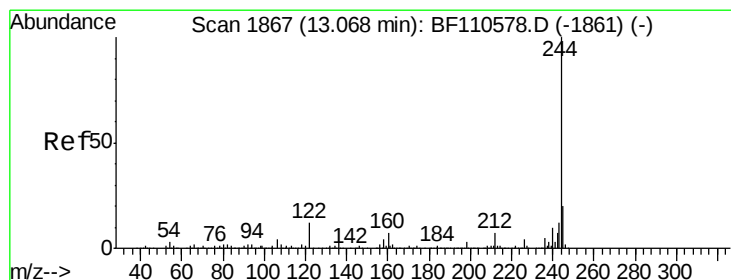
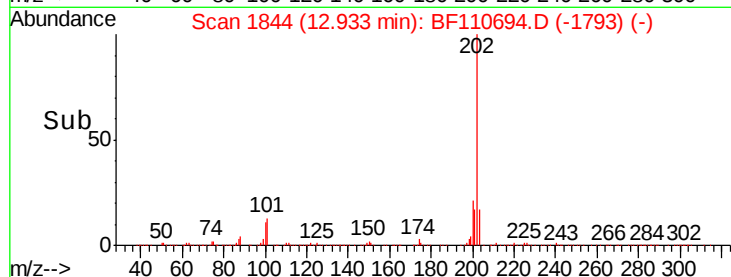
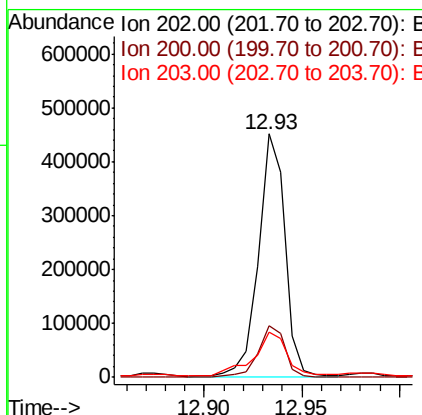
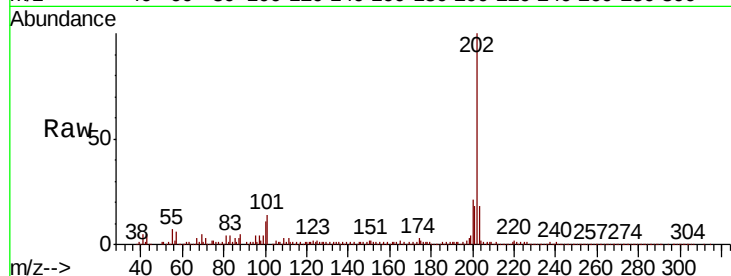




#78
 Pyrene
 Concen: 35.368 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF110694.D
 Acq: 13 Nov 2018 00:16

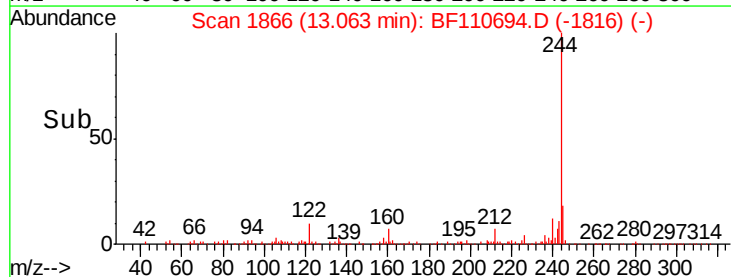
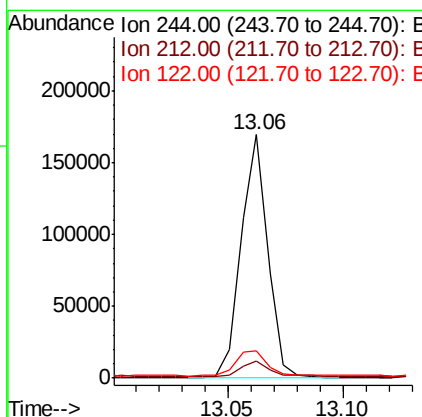
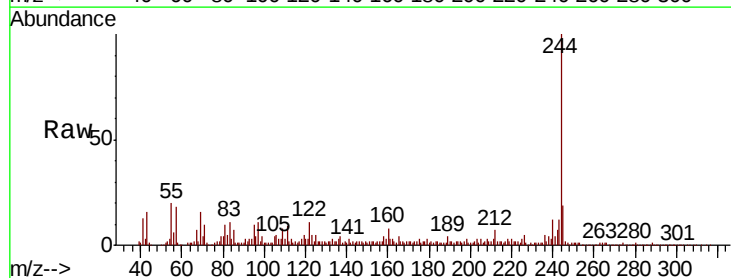
Instrument :
 BNA_F
 ClientSampleId :
 06-TANK-SOIL

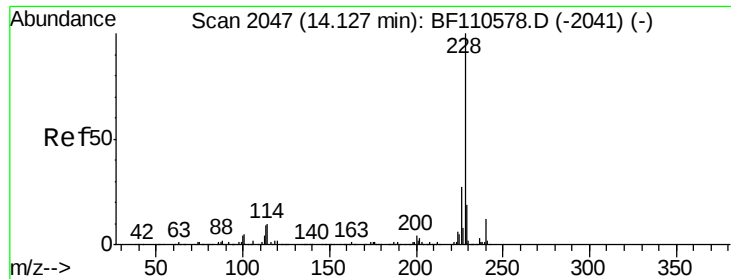
Tgt Ion:	202	Resp:	420588
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.5	14.2	21.4



#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:	244	Resp:	135534
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.0	8.7	13.1

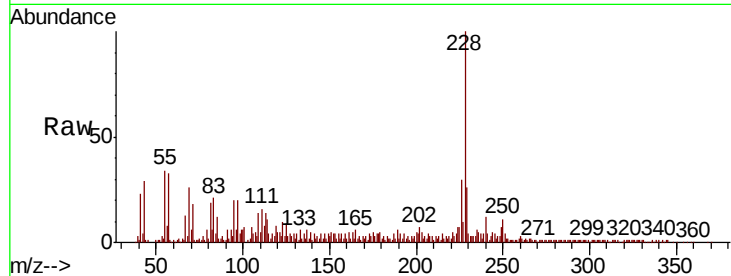




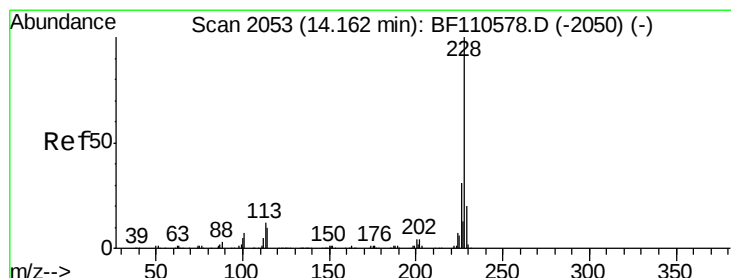
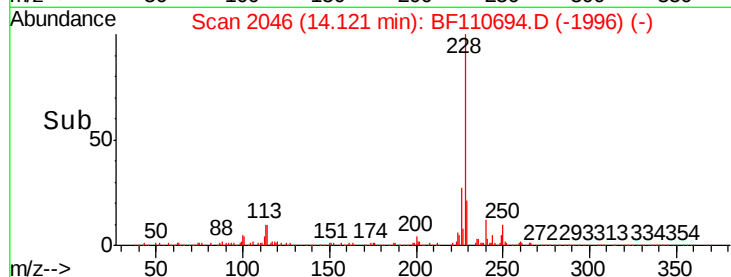
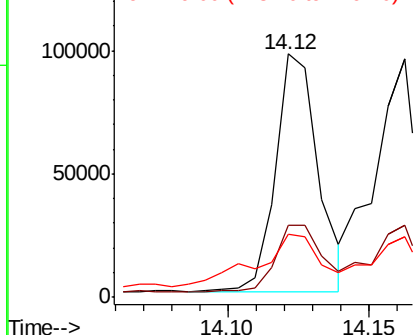
#81
Benzo(a)anthracene
Concen: 11.036 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

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

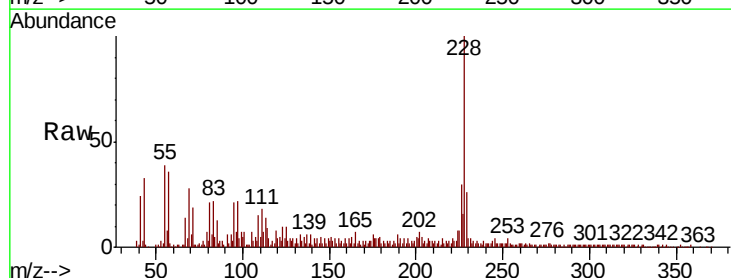


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

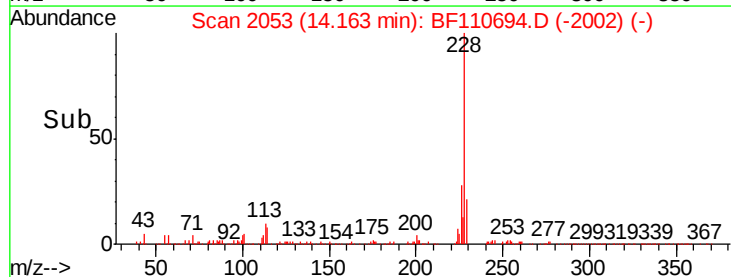
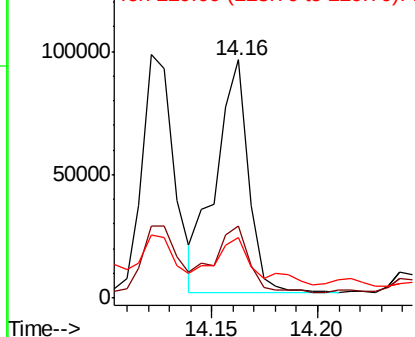


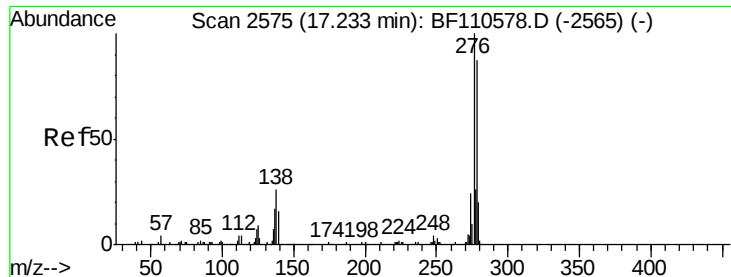
#83
Chrysene
Concen: 11.538 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

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

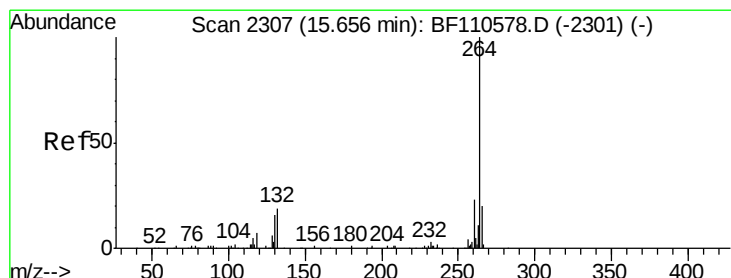
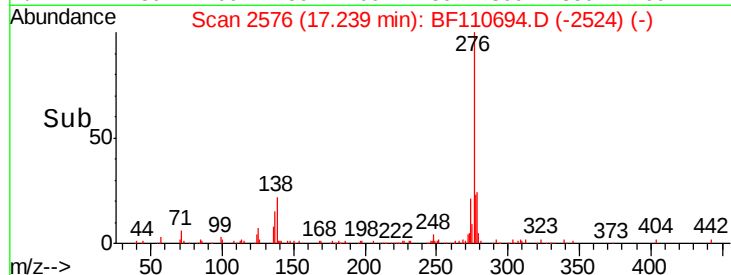
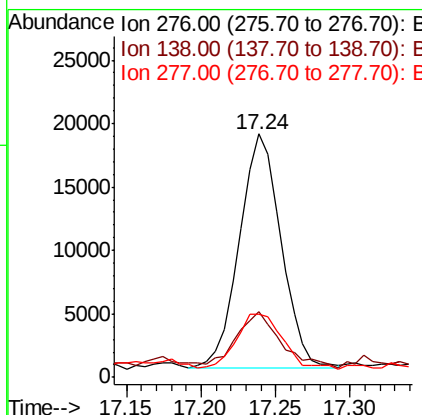
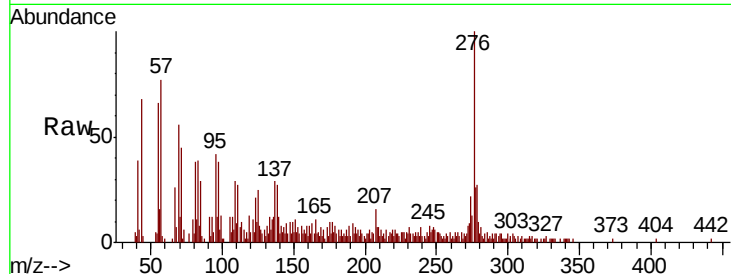




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.665 ng
 RT: 17.24 min Scan# 2576
 Delta R.T. 0.01 min
 Lab File: BF110694.D
 Acq: 13 Nov 2018 00:16

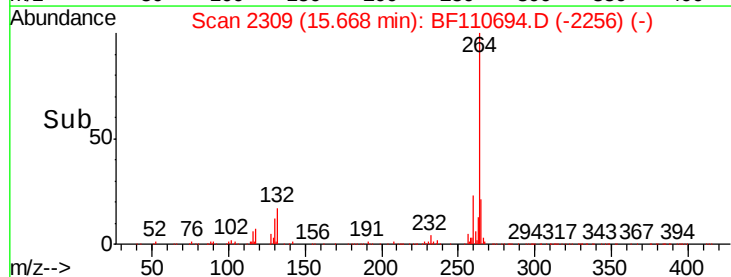
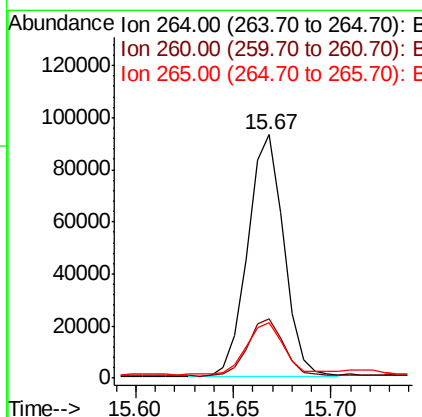
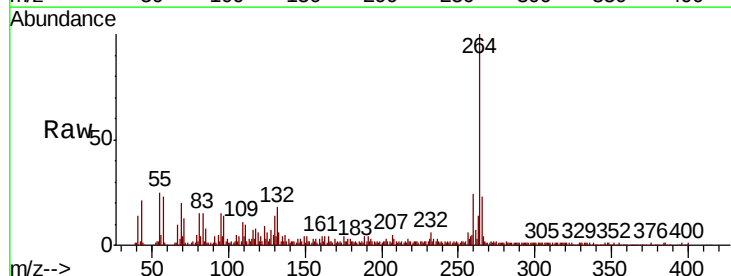
Instrument :
 BNA_F
 ClientSampleId :
 06-TANK-SOIL

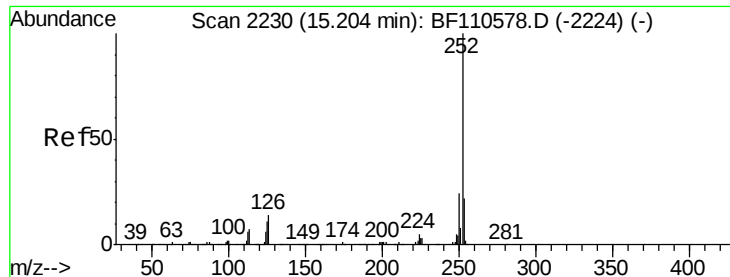
Tgt Ion:276 Resp: 35749
 Ion Ratio Lower Upper
 276 100
 138 25.0 18.5 27.7
 277 26.3 20.0 30.0



#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:264 Resp: 119031
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.7 28.1
 265 22.5 16.7 25.1

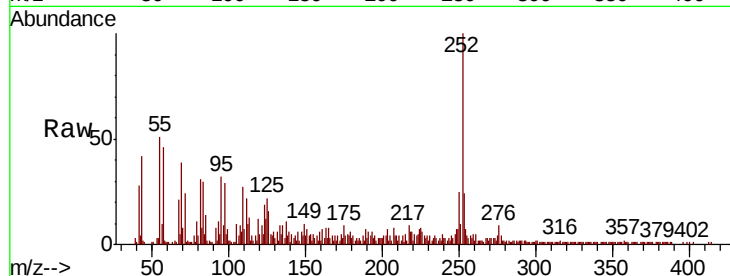




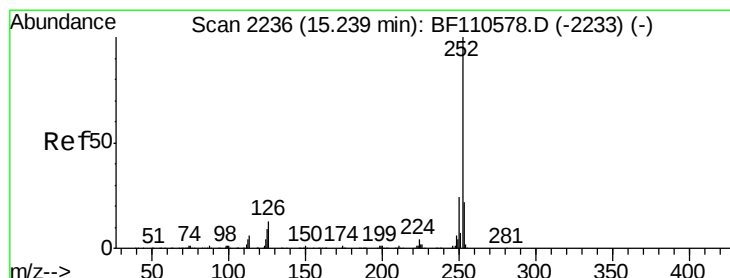
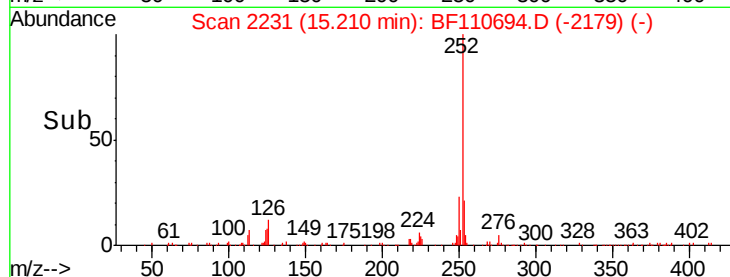
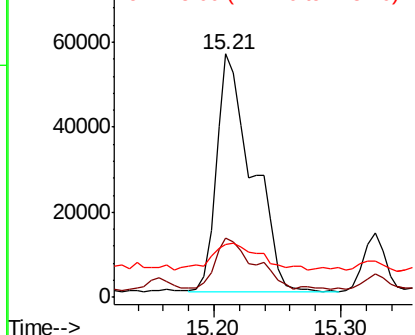
#88
Benzo(b)fluoranthene
Concen: 15.463 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Instrument :
BNA_F
ClientSampleId :
06-TANK-SOIL

Tgt Ion:252 Resp: 110110
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 21.8 8.2 12.4#

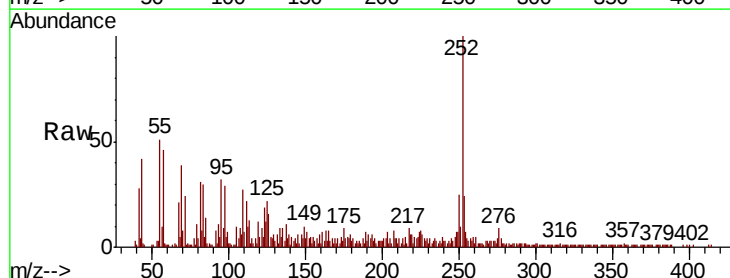


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

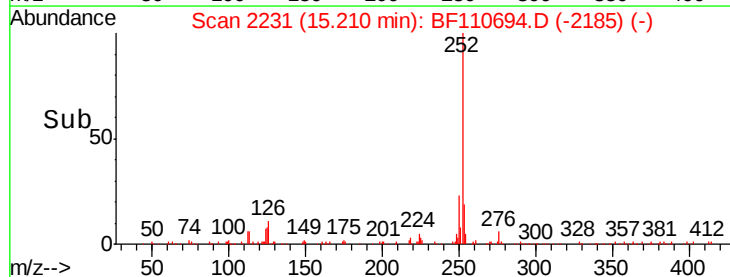
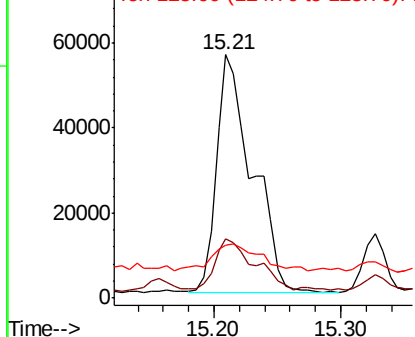


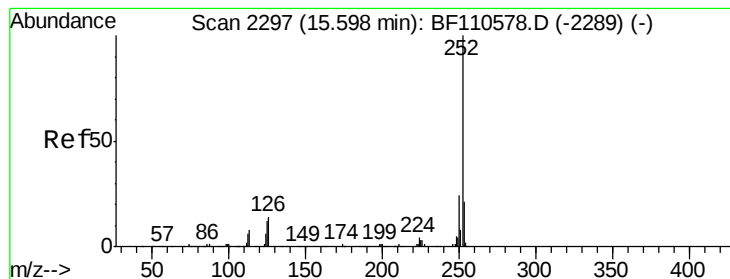
#89
Benzo(k)fluoranthene
Concen: 15.649 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110694.D
Acq: 13 Nov 2018 00:16

Tgt Ion:252 Resp: 110110
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 21.8 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

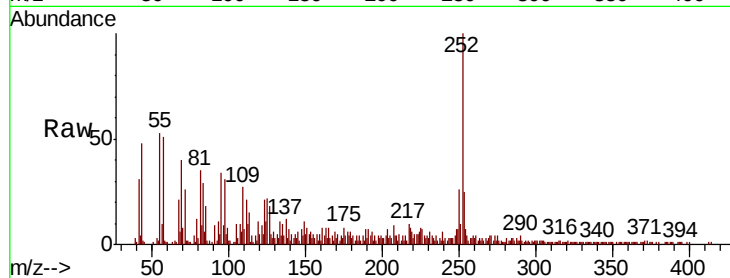
Tgt Ion:252 Resp: 61871

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.4

125 22.3 9.0 13.6#

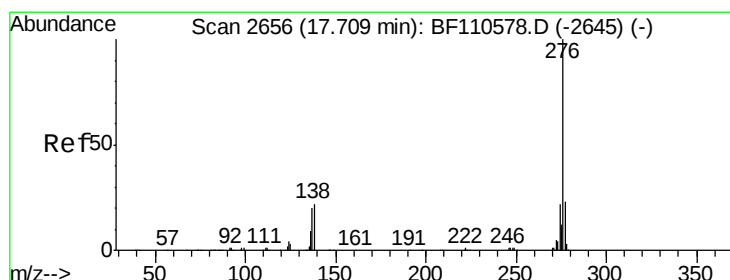
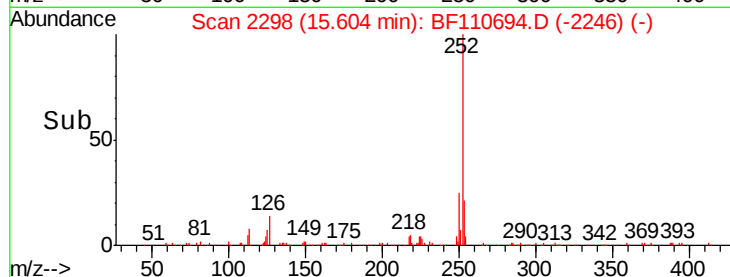
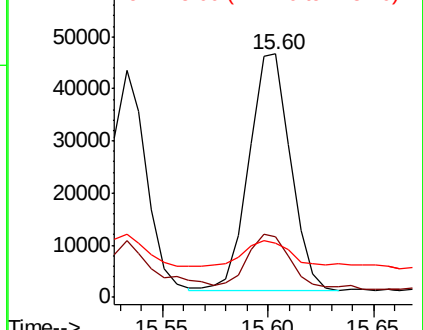


Abundance

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



#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

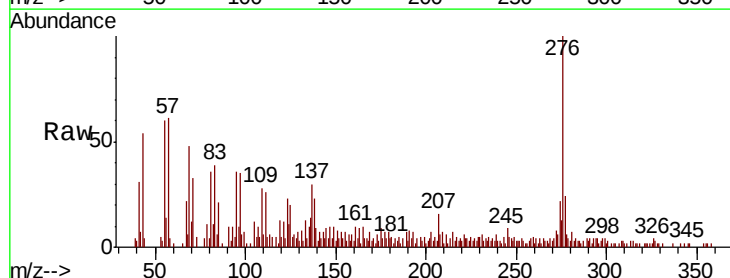
Tgt Ion:276 Resp: 37362

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 22.7 16.0 24.0



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

