

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110535.D
 Acq On : 7 Nov 2018 00:22
 Operator : JU/SJ
 Sample : J5764-13 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:46:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	85521	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	323476	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	122983	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	209696	20.00	ng	0.00
76) Chrysene-d12	14.14	240	142825	20.00	ng	0.00
87) Perylene-d12	15.67	264	110025	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	83211	15.84	ng	0.00
7) Phenol-d6	6.57	99	107785	16.05	ng	0.00
23) Nitrobenzene-d5	7.52	82	56566	10.37	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	17040	13.99	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	118054	15.07	ng	0.00
79) Terphenyl-d14	13.07	244	97280	14.17	ng	0.00

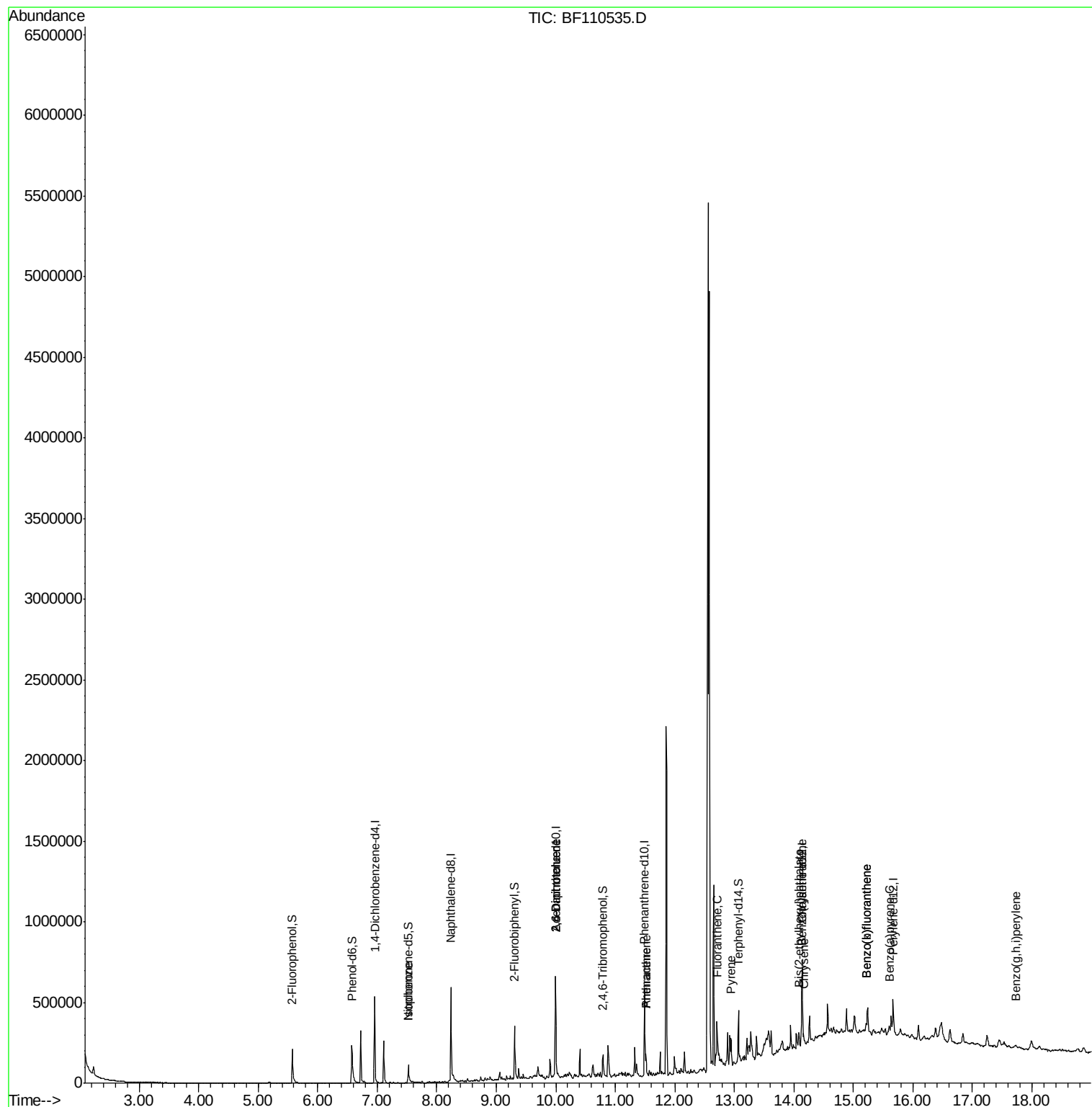
Target Compounds				Qvalue		
9) Benzaldehyde	6.72	77	1773	Below Cal	#	83
25) Isophorone	7.52	82	56566	6.08	ng	# 67
51) 2,6-Dinitrotoluene	10.00	165	17589	8.99	ng	# 22
57) 2,4-Dinitrotoluene	10.00	165	17589	7.08	ng	# 19
71) Phenanthrene	11.52	178	46946	4.28	ng	97
72) Anthracene	11.52	178	46946	4.27	ng	97
75) Fluoranthene	12.71	202	75055	6.74	ng	97
77) Benzydine	12.83	184	129	Below Cal	#	1
78) Pyrene	12.94	202	68980	6.74	ng	97
81) Benzo(a)anthracene	14.13	228	29379	3.47	ng	# 95
83) Chrysene	14.16	228	27321	3.40	ng	# 93
84) Bis(2-ethylhexyl)phthalate	14.09	149	24502	4.08	ng	# 96
88) Benzo(b)fluoranthene	15.22	252	36773	5.79	ng	# 69
89) Benzo(k)fluoranthene	15.22	252	36773	5.89	ng	# 68
90) Benzo(a)pyrene	15.60	252	18666	3.19	ng	# 74
92) Benzo(g,h,i)perylene	17.73	276	12846	2.58	ng	# 79

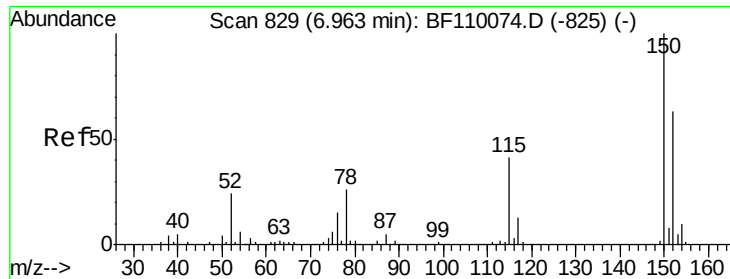
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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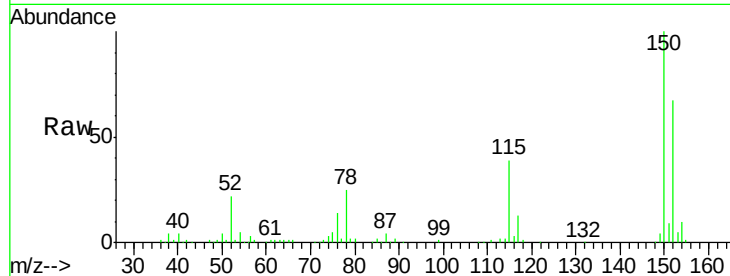


#1

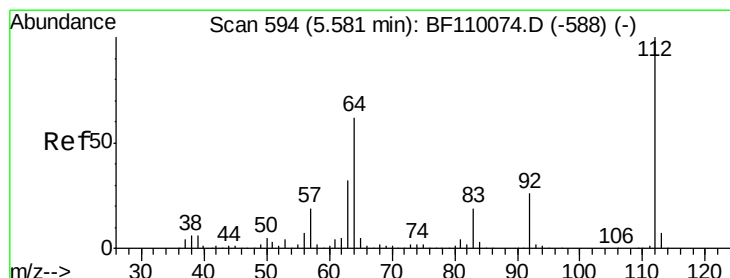
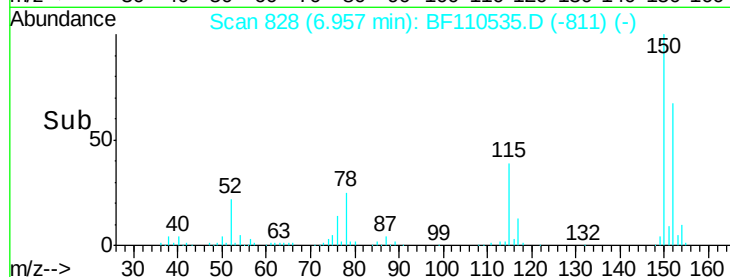
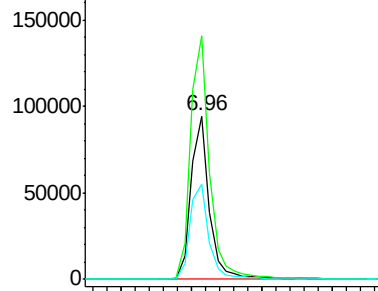
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85521
Ion Ratio Lower Upper
152 100
150 149.1 122.7 184.1
115 58.1 49.1 73.7



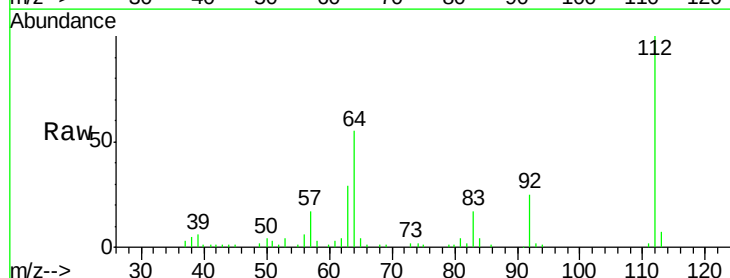
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



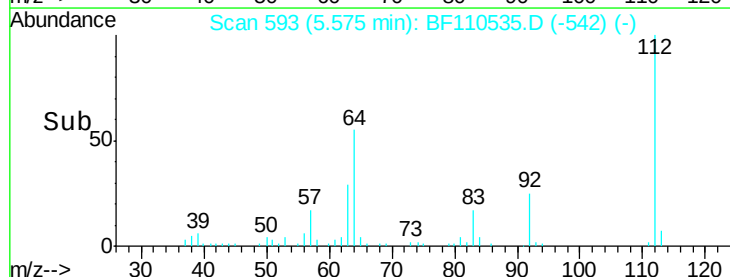
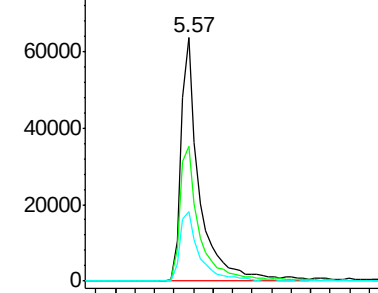
#5

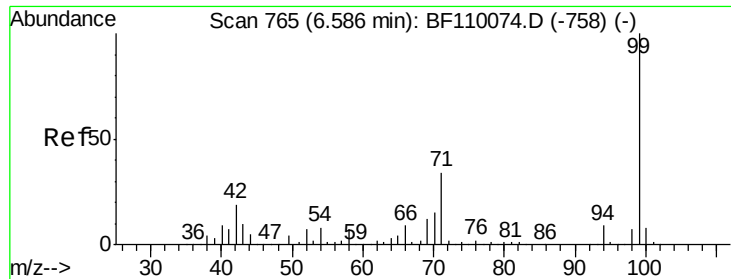
2-Fluorophenol
Concen: 15.84 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Tgt Ion:112 Resp: 83211
Ion Ratio Lower Upper
112 100
64 55.3 44.1 66.1
63 28.5 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: 16.05 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

Instrument :

BNA_F

ClientSampleId :

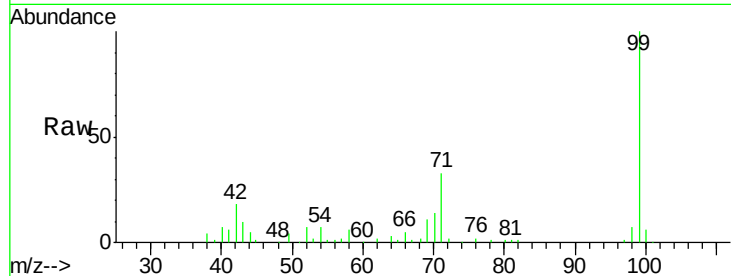
Tot Ion: 99 Resp: 107785

Ion Ratio Lower Upper

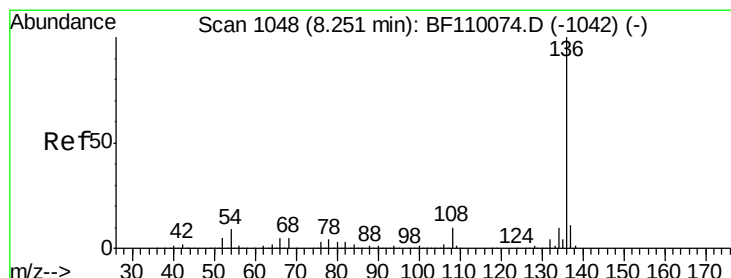
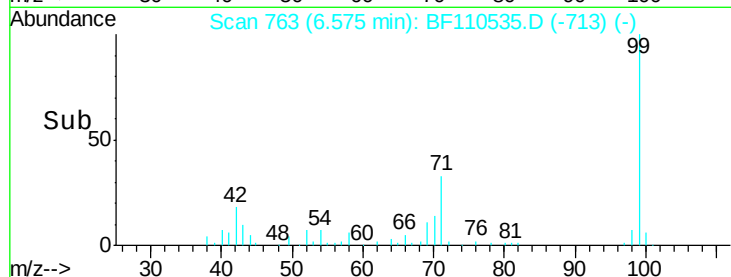
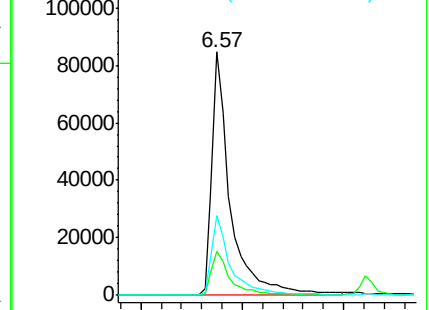
99 100

42 18.3 15.8 23.6

71 32.8 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: 20.00 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

Tgt Ion: 136 Resp: 323476

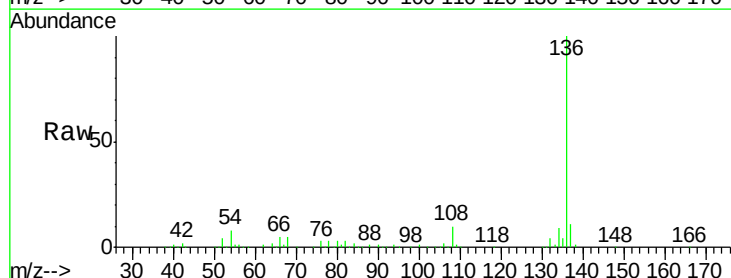
Ion Ratio Lower Upper

136 100

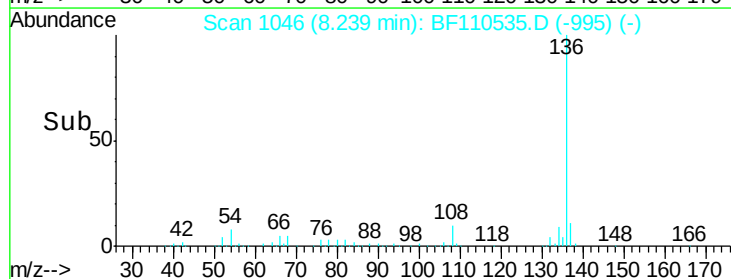
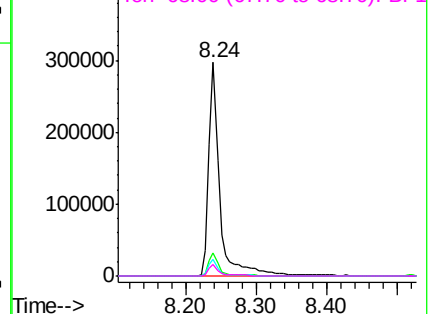
137 10.9 8.8 13.2

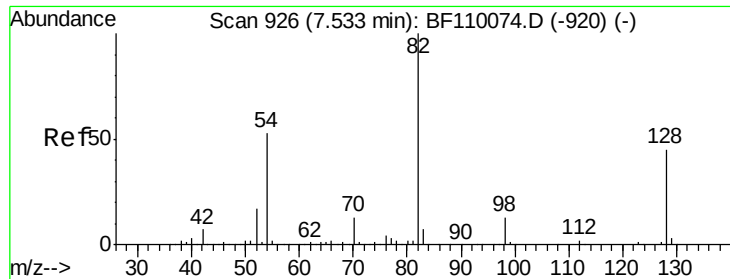
54 7.8 5.4 8.2

68 5.3 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

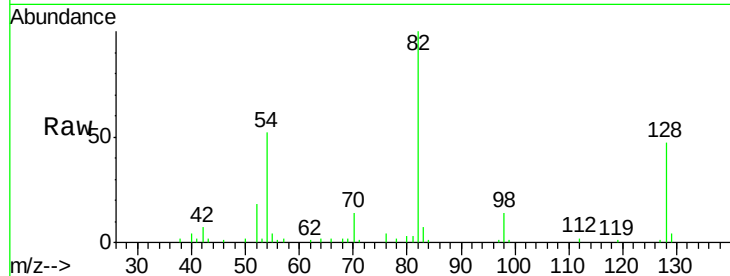




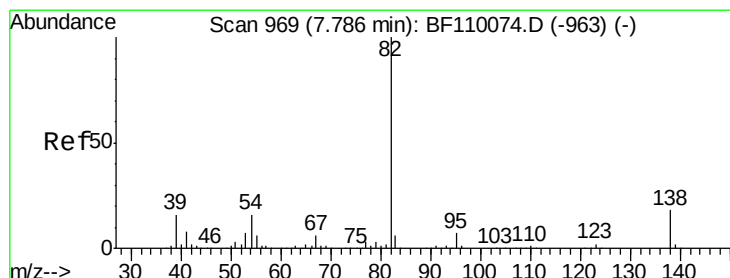
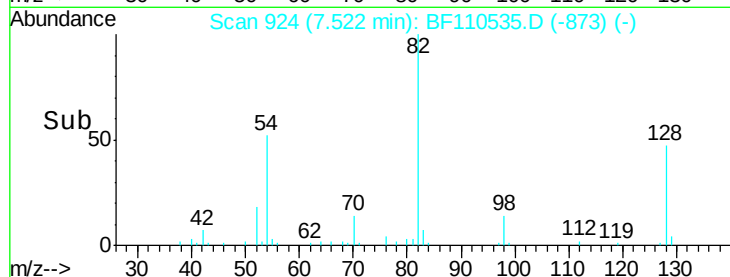
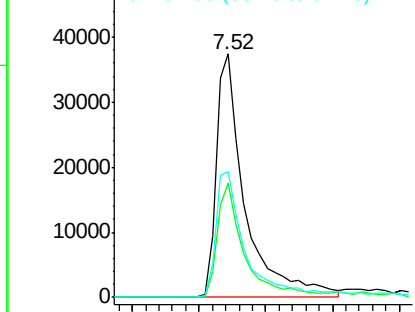
#23
 Nitrobenzene-d5
 Concen: 10.37 ng
 RT: 7.52 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF110535.D
 Acq: 7 Nov 2018 00:22

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	56566
Ion Ratio	100	Lower	Upper
128	46.8	34.2	51.2
54	51.9	38.6	58.0

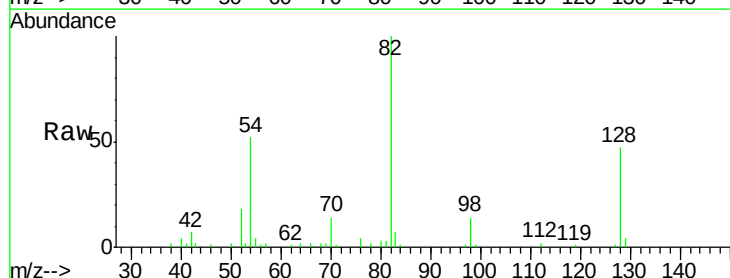


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

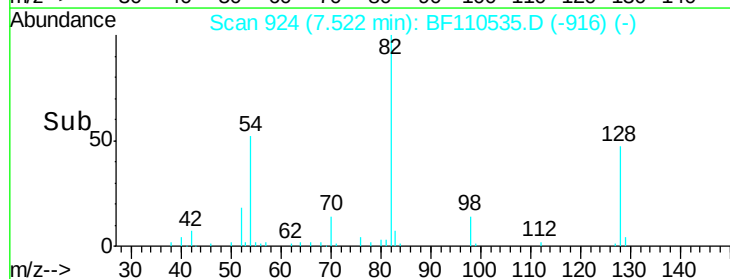
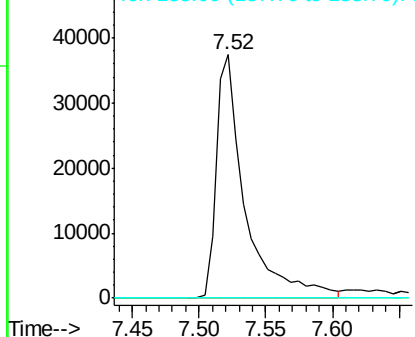


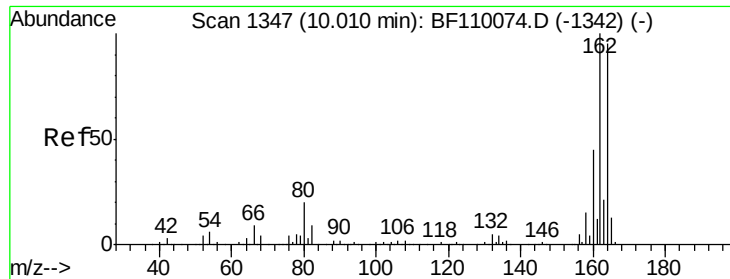
#25
 Isophorone
 Concen: 6.08 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF110535.D
 Acq: 7 Nov 2018 00:22

Tgt Ion	82	Resp	56566
Ion Ratio	100	Lower	Upper
95	0.0	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

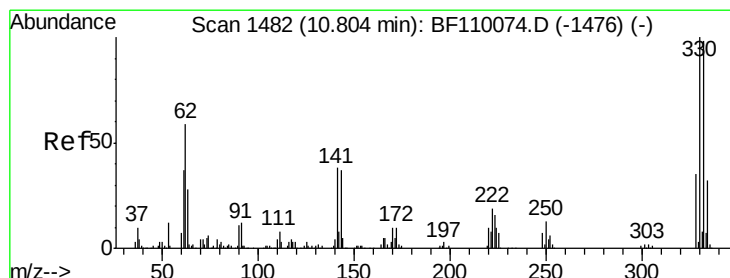
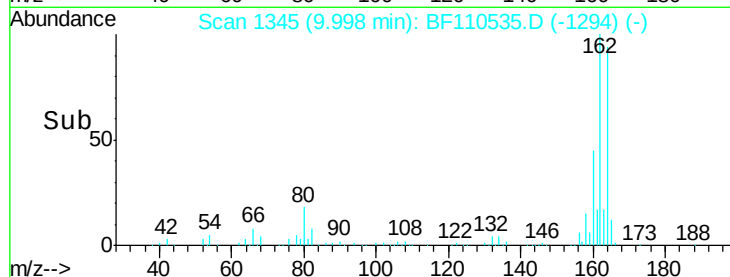
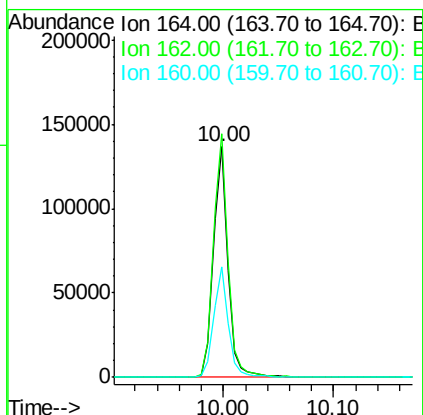
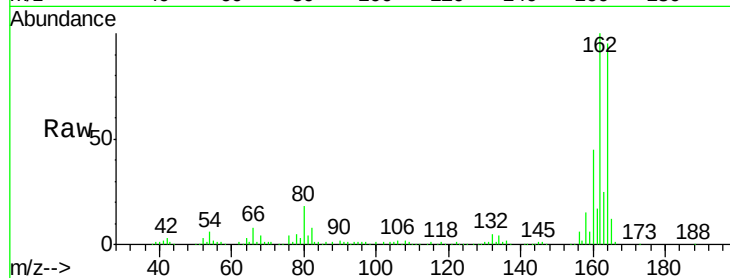




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

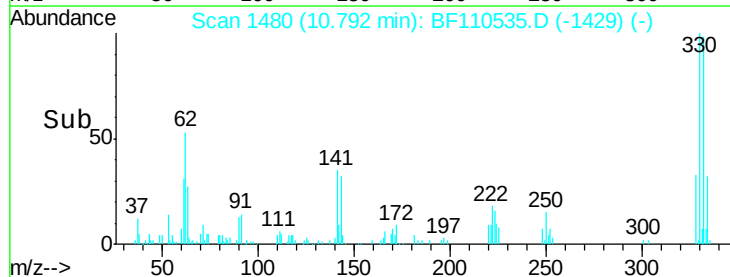
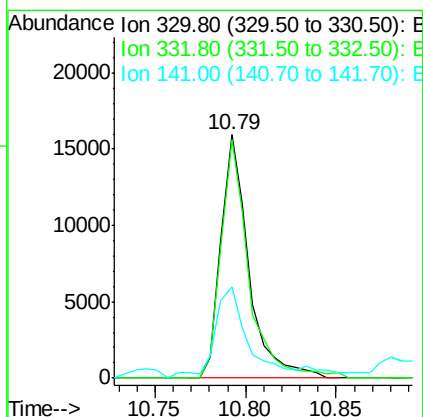
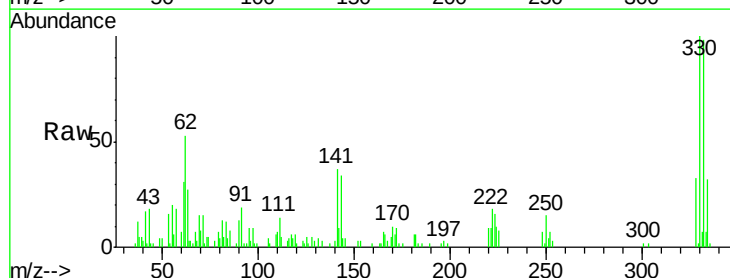
Instrument :
BNA_F
ClientSampleId :

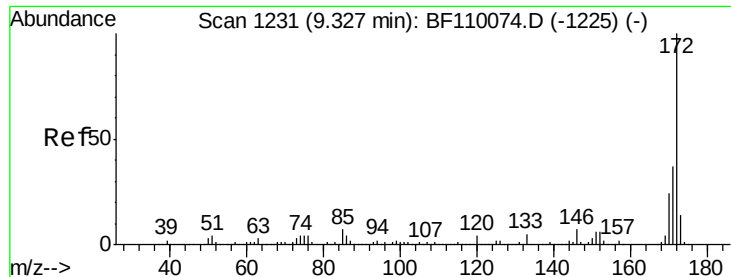
Tot Ion:164 Resp: 122983
Ion Ratio Lower Upper
164 100
162 105.5 83.0 124.6
160 48.0 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 13.99 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Tgt Ion:330 Resp: 17040
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 44.8 27.0 40.4#

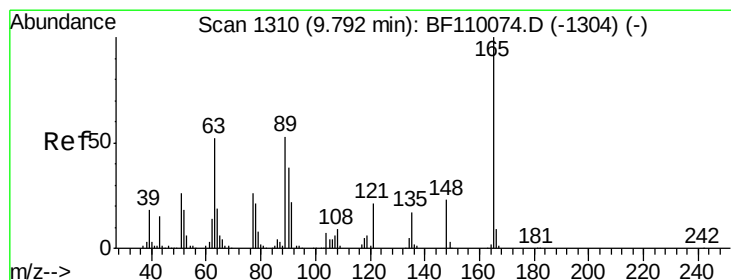
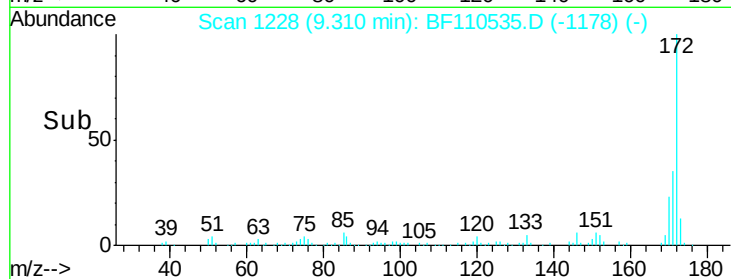
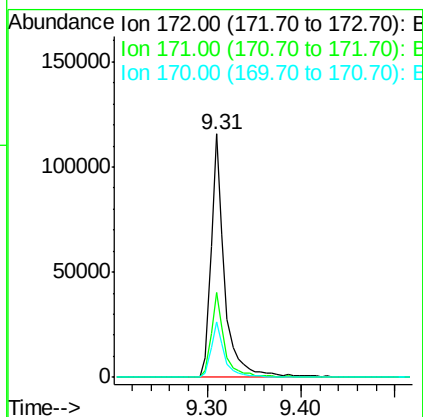
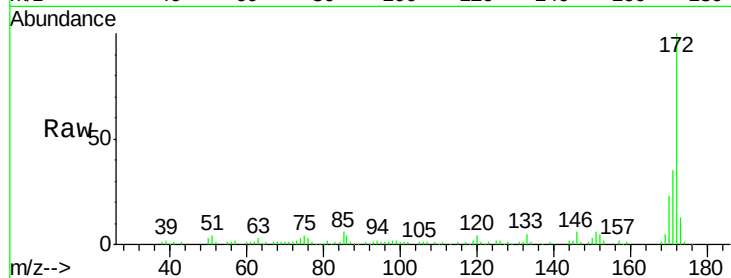




#45
 2-Fluorobiphenyl
 Concen: 15.07 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110535.D
 Acq: 7 Nov 2018 00:22

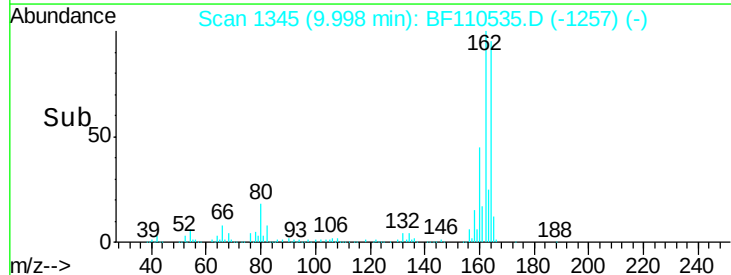
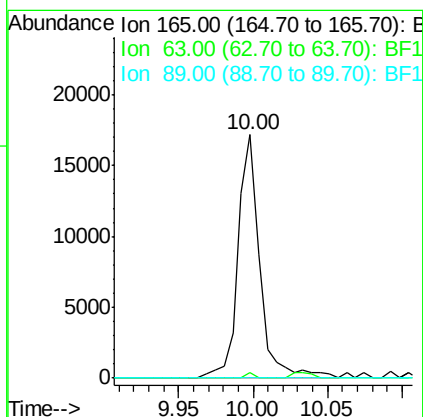
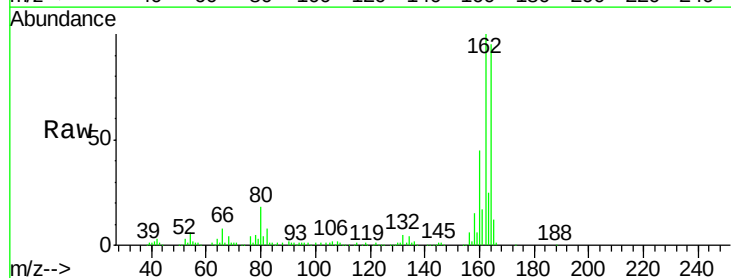
Instrument :
 BNA_F
 ClientSampleId :

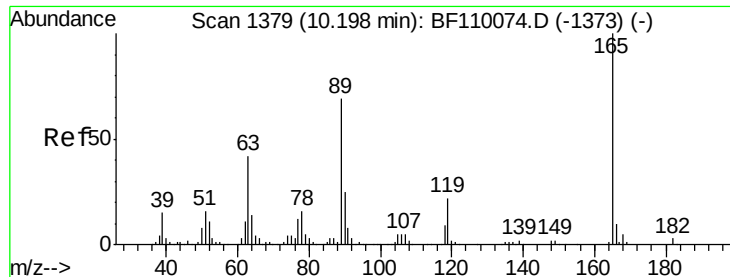
Tot Ion:172 Resp: 118054
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 43.0
 170 22.8 19.7 29.5



#51
 2,6-Dinitrotoluene
 Concen: 8.99 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.22 min
 Lab File: BF110535.D
 Acq: 7 Nov 2018 00:22

Tgt Ion:165 Resp: 17589
 Ion Ratio Lower Upper
 165 100
 63 2.2 48.9 73.3#
 89 0.0 46.6 69.8#

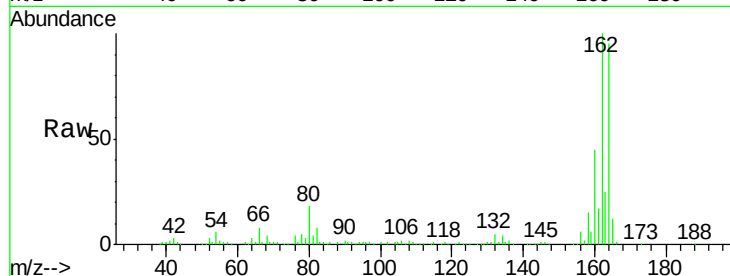




#57
2,4-Dinitrotoluene
Concen: 7.08 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.19 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

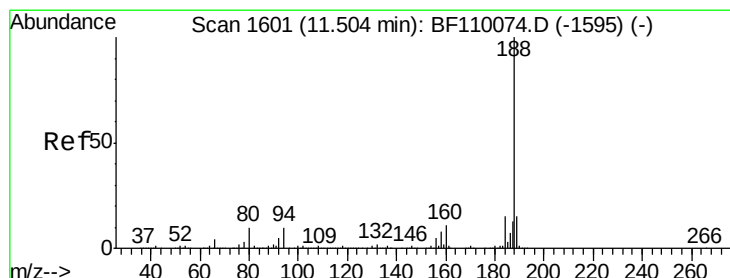
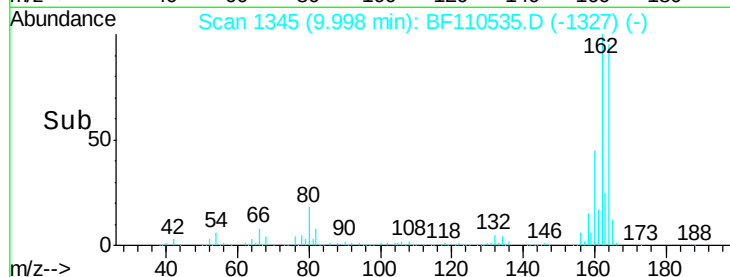
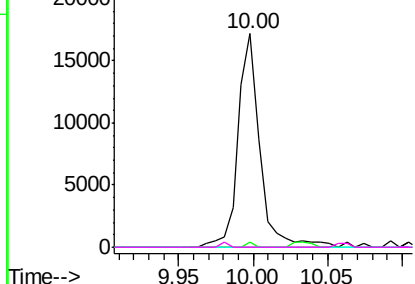


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

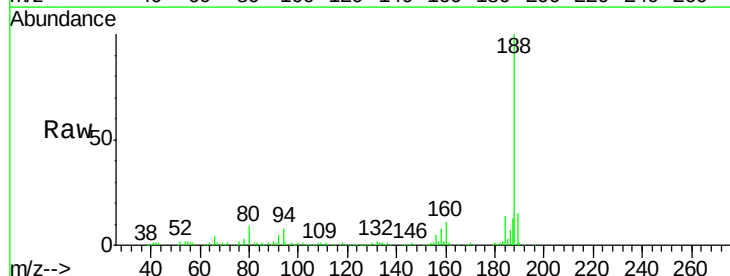
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

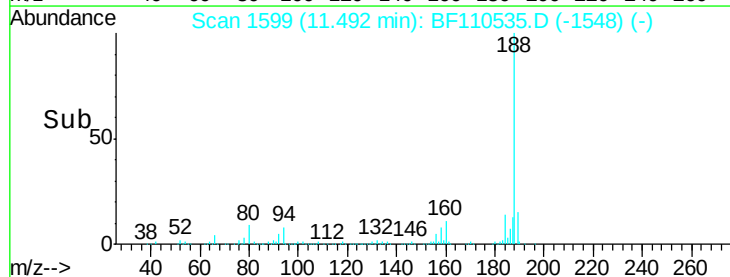
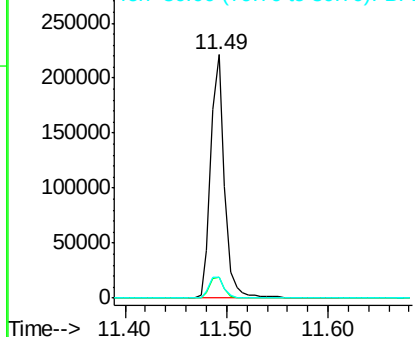
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	8.6	7.9	11.9

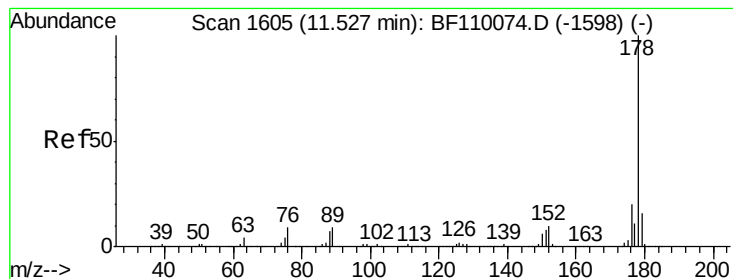


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 4.28 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

Instrument :

BNA_F

ClientSampleId :

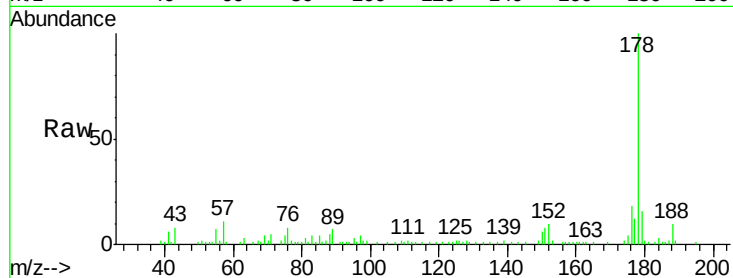
Tot Ion:178 Resp: 46946

Ion Ratio Lower Upper

178 100

176 17.7 15.5 23.3

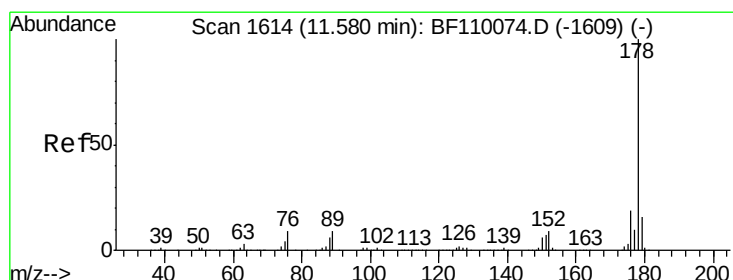
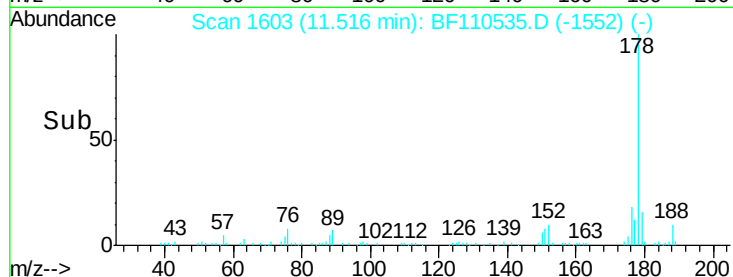
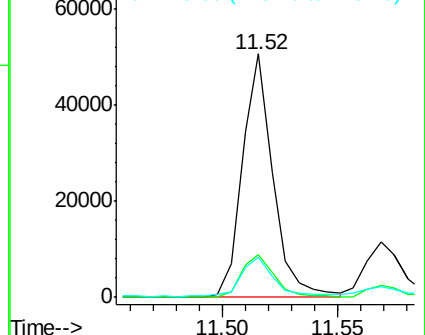
179 16.2 12.5 18.7



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



#72

Anthracene

Concen: 4.27 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.05 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

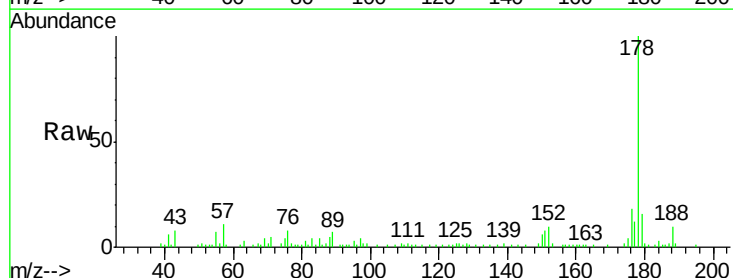
Tgt Ion:178 Resp: 46946

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

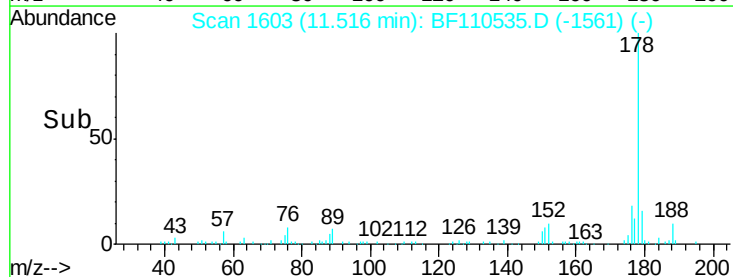
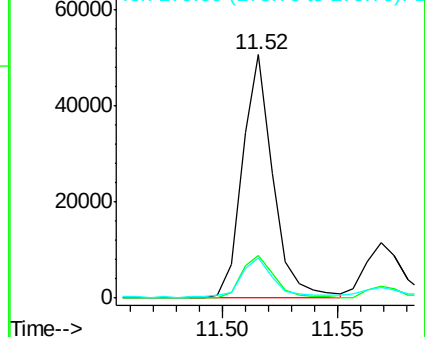
179 16.2 12.6 18.8

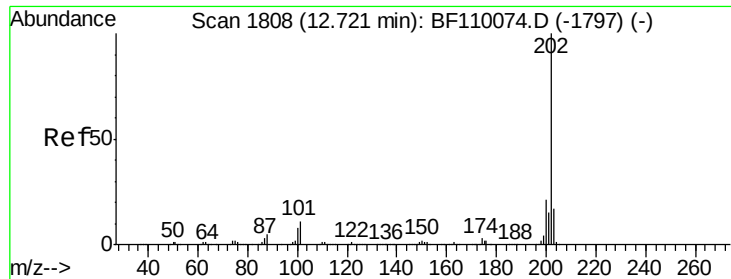


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.74 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

Instrument :

BNA_F

ClientSampleId :

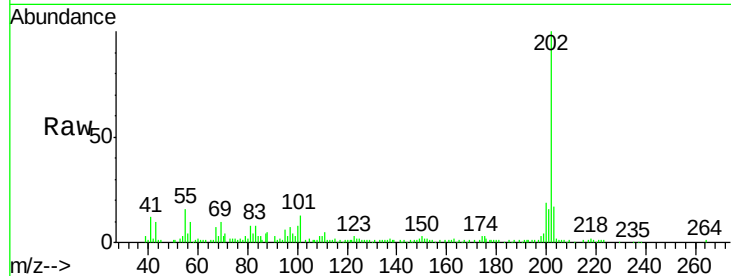
Tot Ion:202 Resp: 75055

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

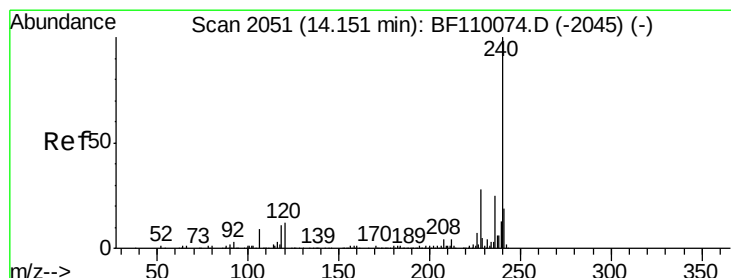
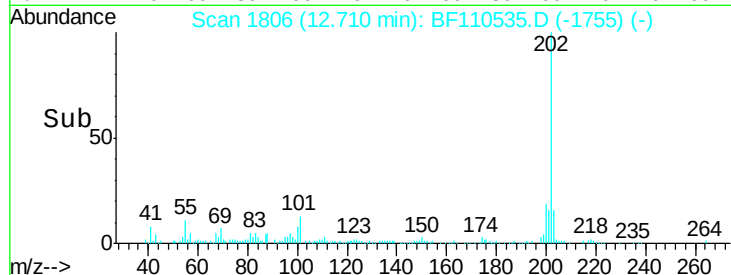
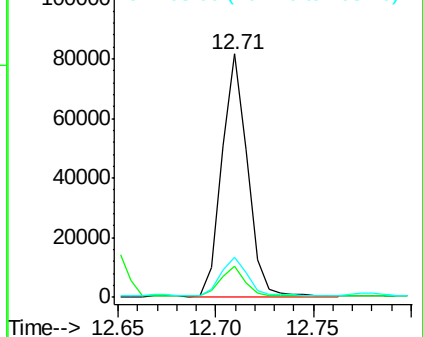
203 16.7 0.0 37.7



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: 20.00 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

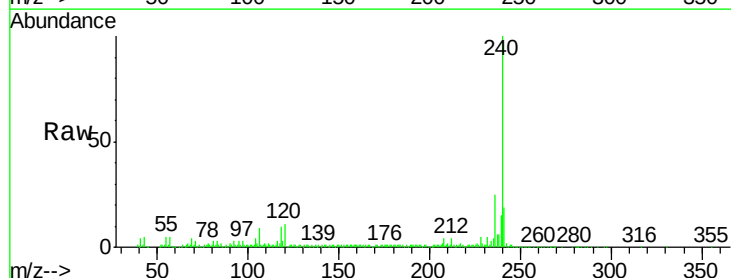
Tgt Ion:240 Resp: 142825

Ion Ratio Lower Upper

240 100

120 11.4 8.3 12.5

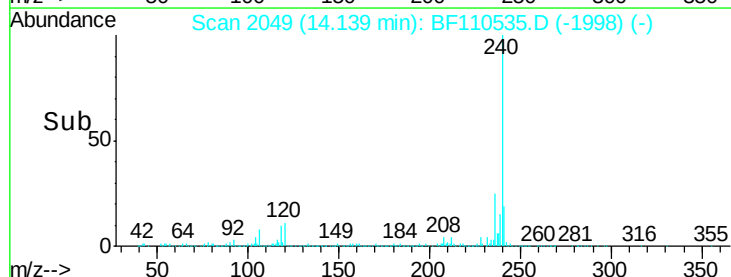
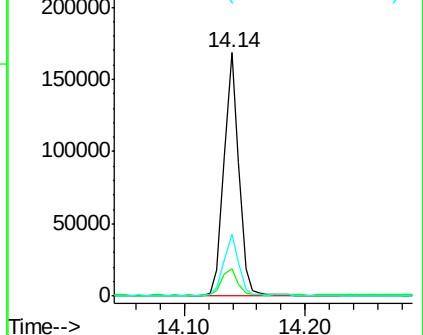
236 25.4 21.2 31.8

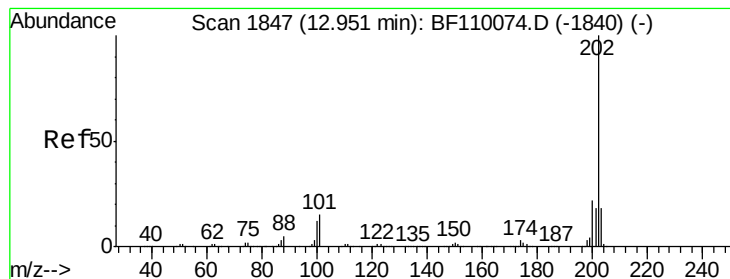


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.74 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

Instrument :

BNA_F

ClientSampleId :

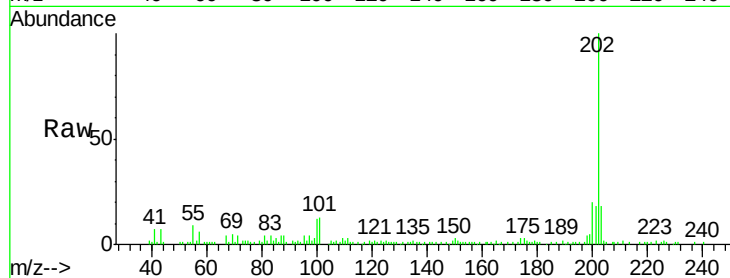
Tot Ion:202 Resp: 68980

Ion Ratio Lower Upper

202 100

200 20.2 17.8 26.6

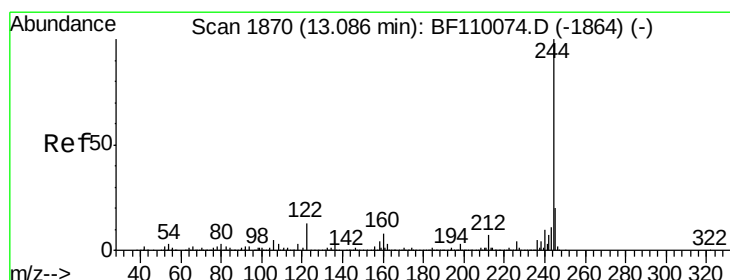
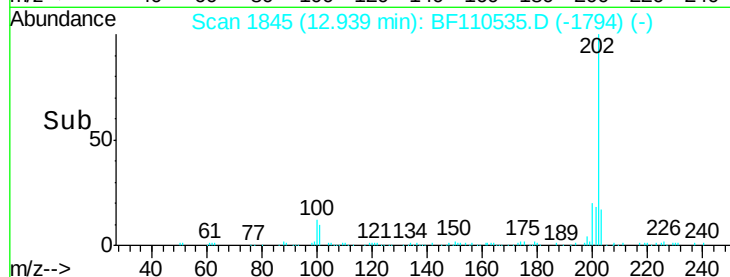
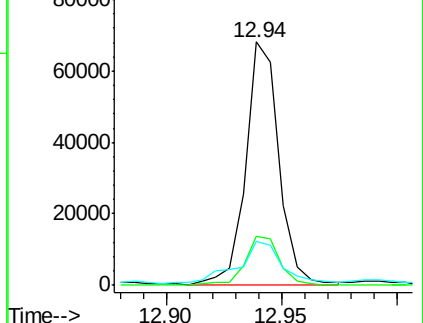
203 18.1 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 14.17 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

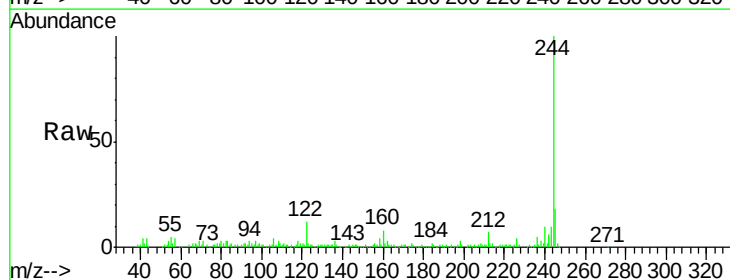
Tgt Ion:244 Resp: 97280

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

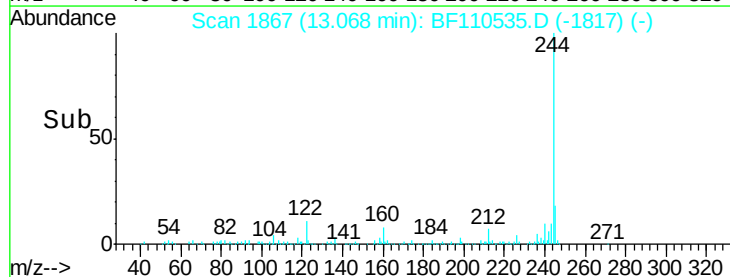
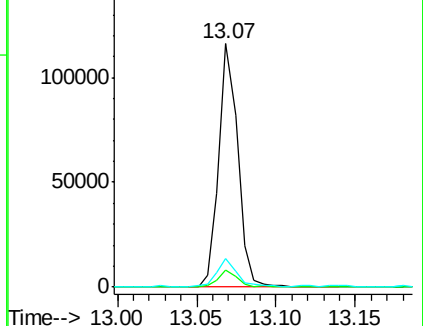
122 11.9 8.7 13.1

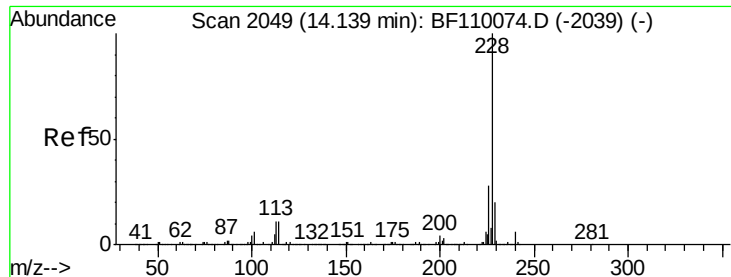


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

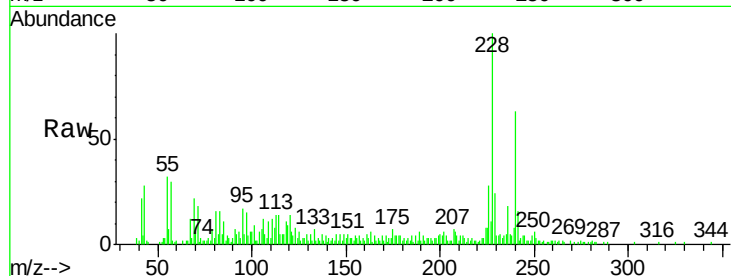




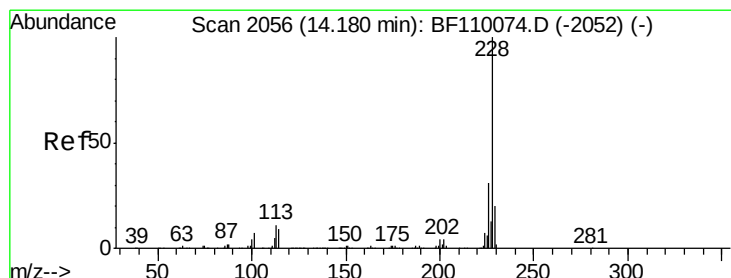
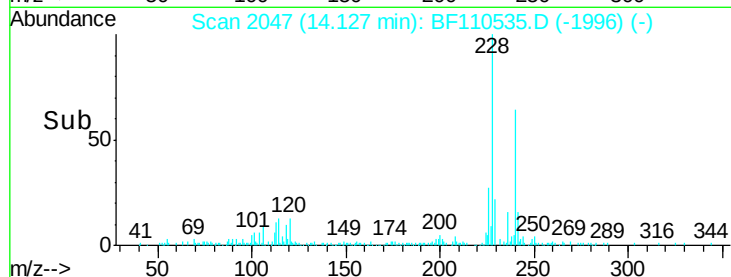
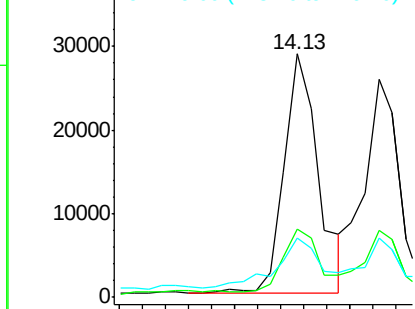
#81
Benzo(a)anthracene
Concen: 3.47 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 29379
Ion Ratio Lower Upper
228 100
226 27.9 22.1 33.1
229 24.1 15.6 23.4#

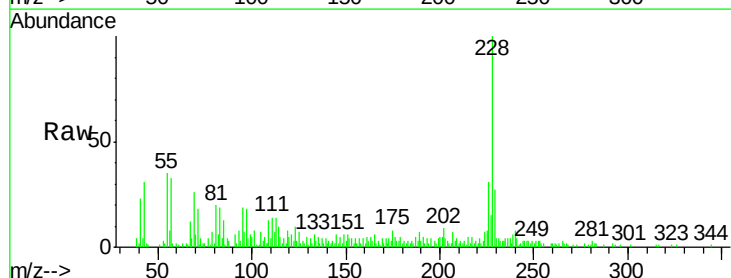


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

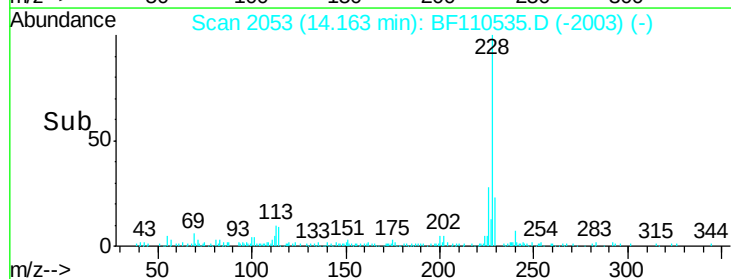
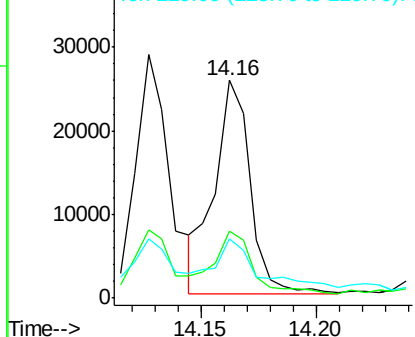


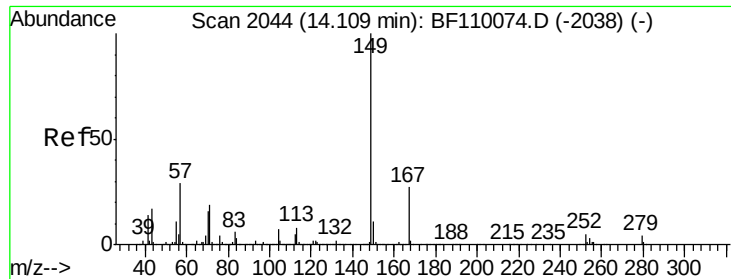
#83
Chrysene
Concen: 3.40 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Tgt Ion:228 Resp: 27321
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 27.3 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





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.08 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

Instrument :

BNA_F

ClientSampleId :

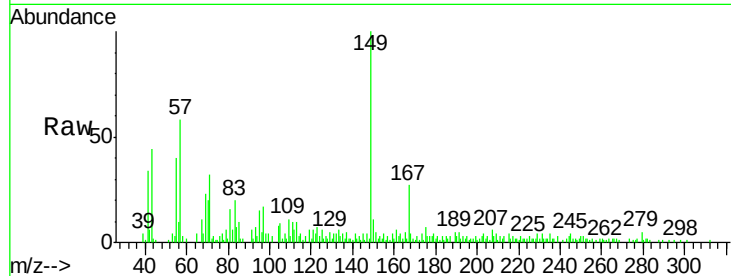
Tot Ion:149 Resp: 24502

Ion Ratio Lower Upper

149 100

167 26.7 19.8 29.8

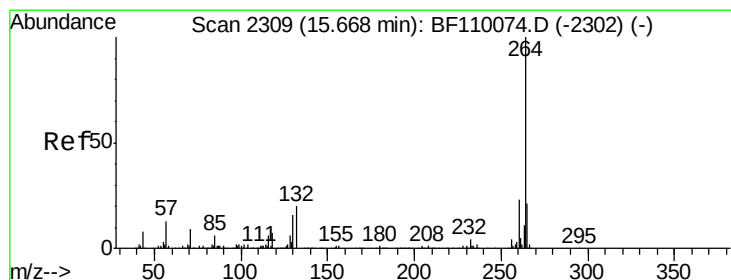
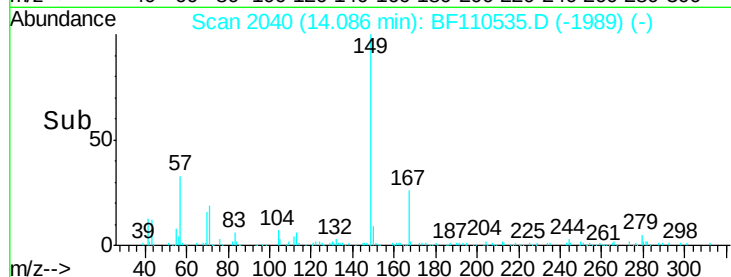
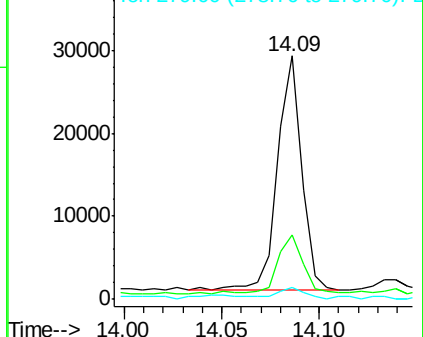
279 5.0 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110535.D

Acq: 7 Nov 2018 00:22

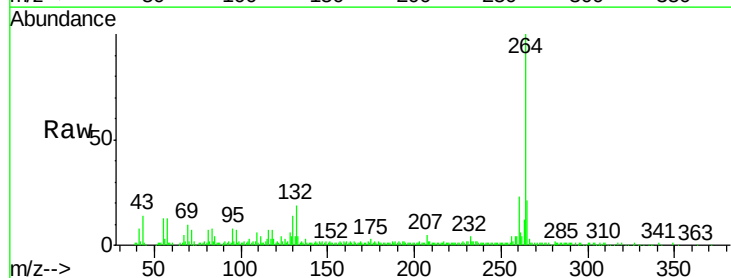
Tgt Ion:264 Resp: 110025

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

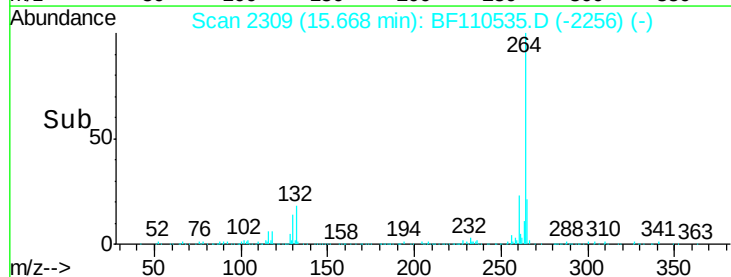
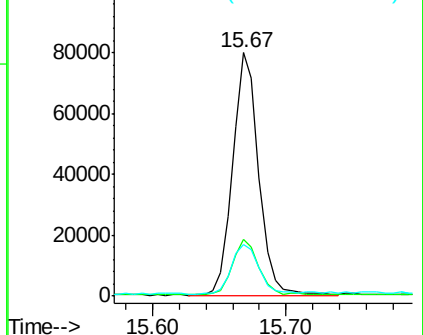
265 21.4 16.7 25.1

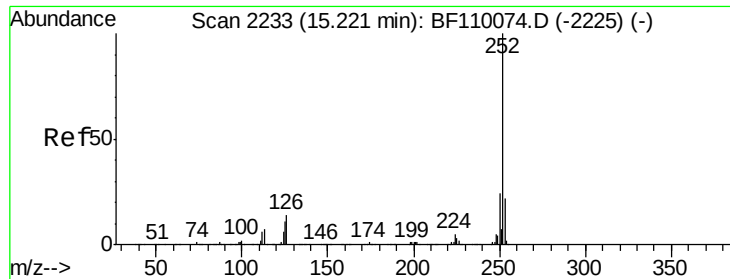


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

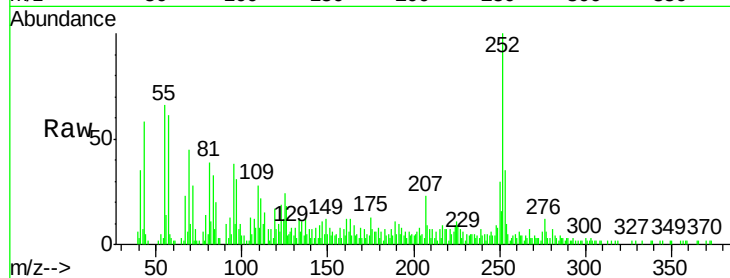




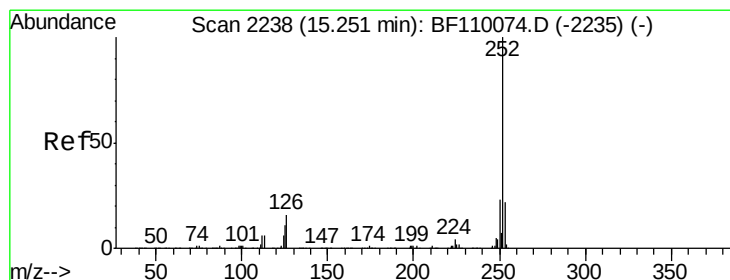
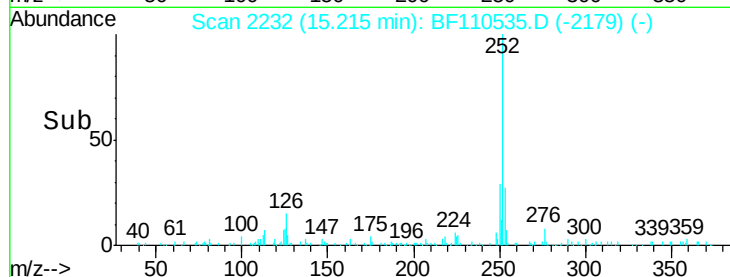
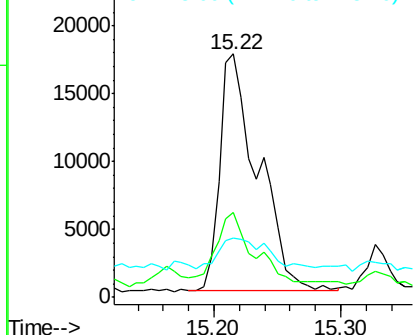
#88
Benzo(b)fluoranthene
Concen: 5.79 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 36773
Ion Ratio Lower Upper
252 100
253 35.1 17.2 25.8#
125 24.1 8.2 12.4#

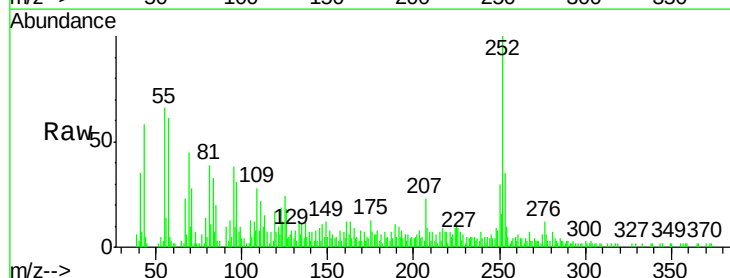


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

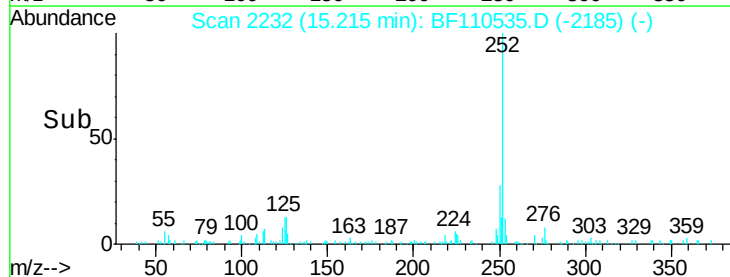
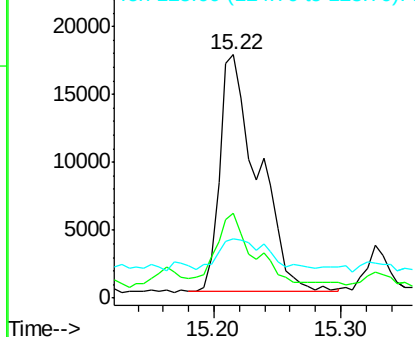


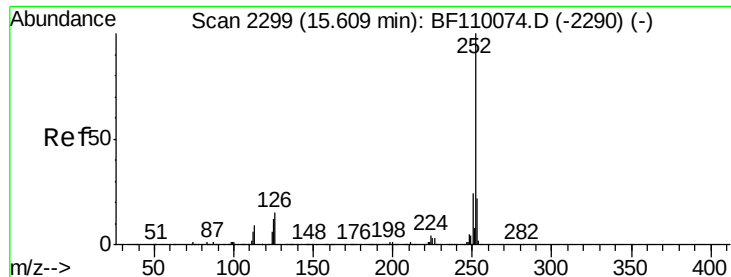
#89
Benzo(k)fluoranthene
Concen: 5.89 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Tgt Ion:252 Resp: 36773
Ion Ratio Lower Upper
252 100
253 35.1 17.2 25.8#
125 24.1 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

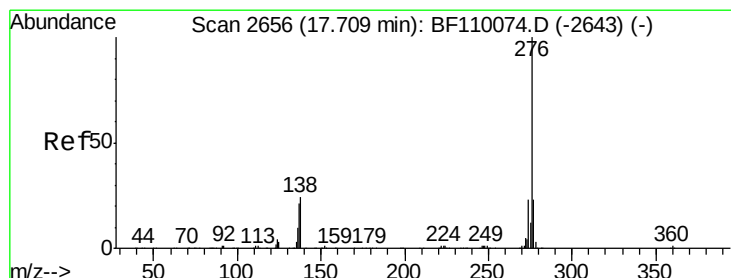
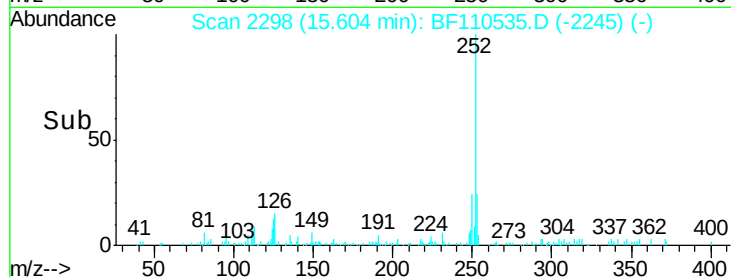
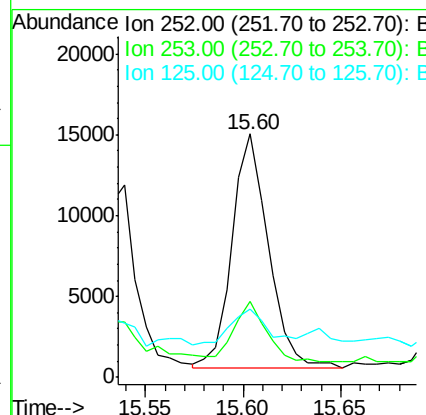
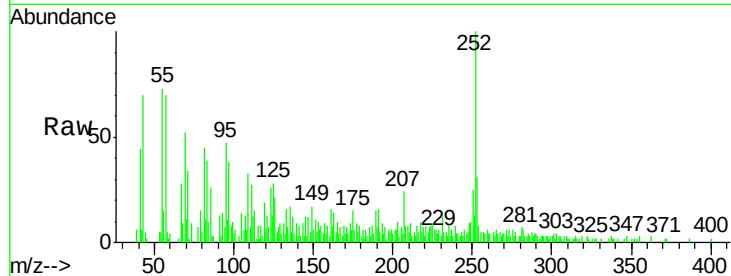




#90
Benzo(a)pyrene
Concen: 3.19 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.2	18.2	27.4#
125	28.2	9.0	13.6#



#92
Benzo(g,h,i)perylene
Concen: 2.58 ng
RT: 17.73 min Scan# 2659
Delta R.T. 0.02 min
Lab File: BF110535.D
Acq: 7 Nov 2018 00:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.6	18.8	28.2#
138	32.4	16.0	24.0#

