

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110617.D
 Acq On : 9 Nov 2018 10:31
 Operator : JU/SJ
 Sample : J5813-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 15:44:46 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	80112	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	314650	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	129016	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	194701	20.00	ng	0.00
76) Chrysene-d12	14.13	240	160542	20.00	ng	-0.01
87) Perylene-d12	15.66	264	125295	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	537526	108.99	ng	0.00
7) Phenol-d6	6.57	99	670550	106.32	ng	0.00
23) Nitrobenzene-d5	7.51	82	426514	78.06	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	92833	71.41	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	711739	78.79	ng	0.00
79) Terphenyl-d14	13.06	244	470842	54.92	ng	0.00

Target Compounds

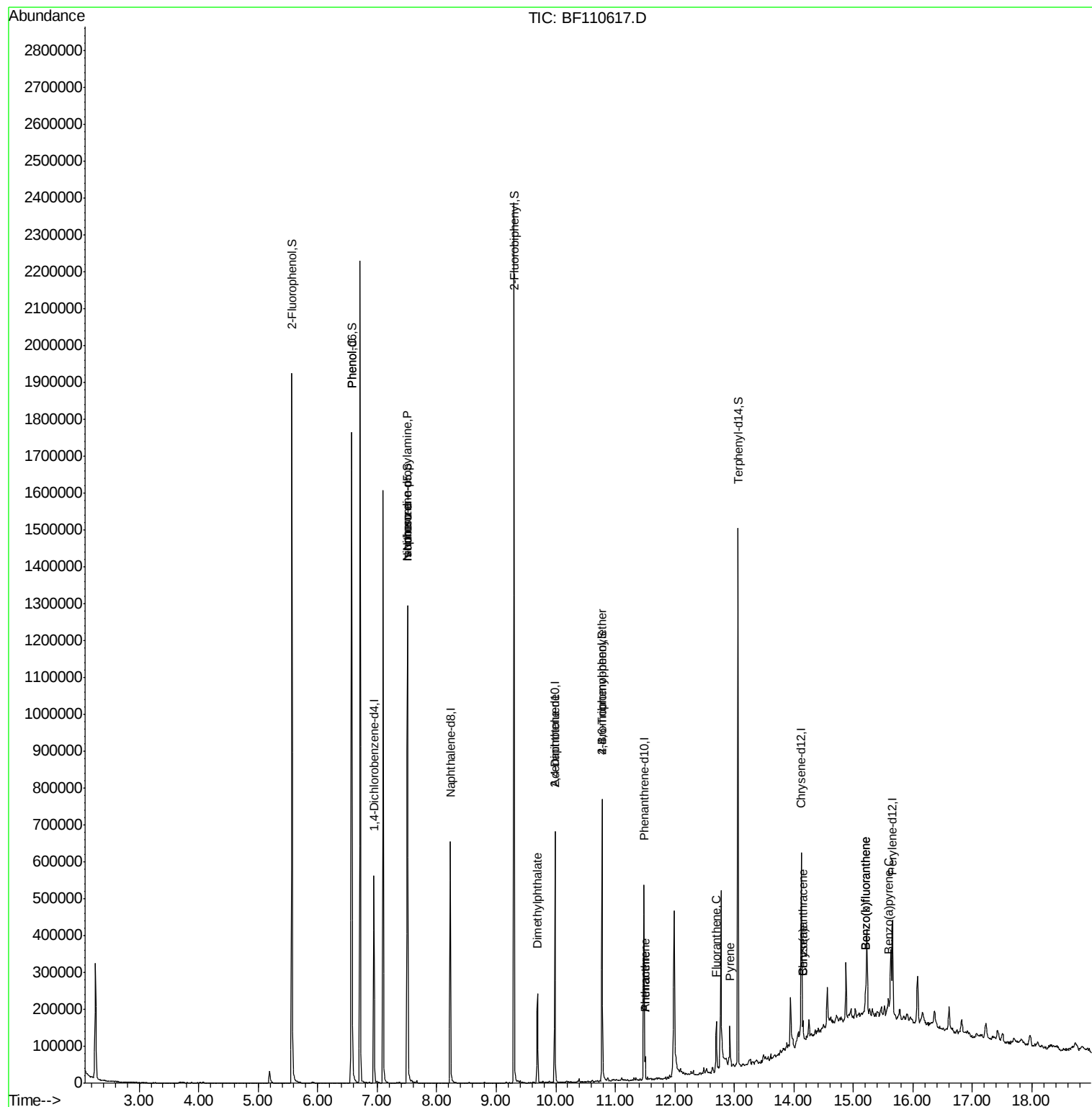
						Qvalue
9) Benzaldehyde	6.57	77	1334	Below Cal	#	1
10) Phenol	6.58	94	43012	5.881 ng	#	71
19) n-Nitroso-di-n-propylamine	7.51	70	55389	13.758 ng	#	80
25) Isophorone	7.51	82	426512	47.628 ng	#	67
50) Dimethylphthalate	9.69	163	99900	10.377 ng		99
57) 2,4-Dinitrotoluene	9.99	165	16871	6.127 ng	#	18
67) 4-Bromophenyl-phenylether	10.77	248	5937	2.759 ng	#	1
71) Phenanthrene	11.50	178	21942	2.104 ng		97
72) Anthracene	11.50	178	21942	2.085 ng		98
75) Fluoranthene	12.70	202	46589	4.455 ng		98
78) Pyrene	12.93	202	40716	3.294 ng		99
81) Benzo(a)anthracene	14.16	228	20928	2.181 ng		91
83) Chrysene	14.16	228	20928	2.289 ng		95
88) Benzo(b)fluoranthene	15.20	252	35371	4.719 ng	#	84
89) Benzo(k)fluoranthene	15.20	252	35371	4.776 ng	#	83
90) Benzo(a)pyrene	15.59	252	15077	2.214 ng	#	84

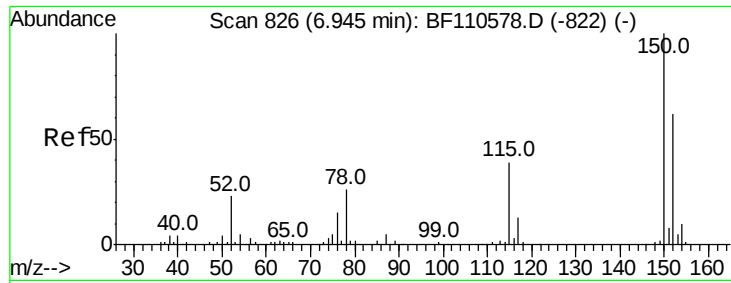
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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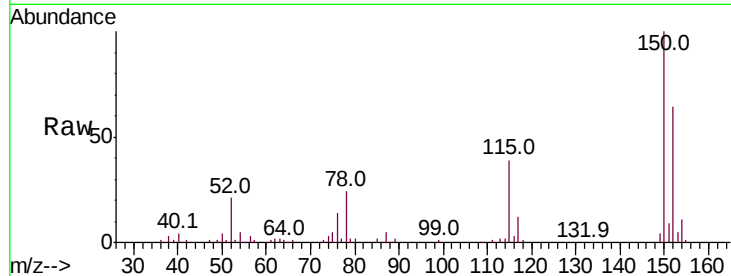


#1

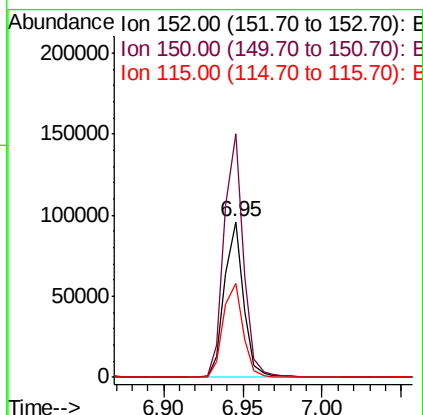
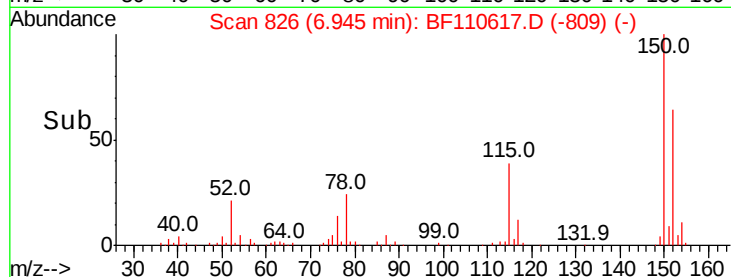
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80112
Ion Ratio Lower Upper
152 100
150 156.2 122.7 184.1
115 60.3 49.1 73.7



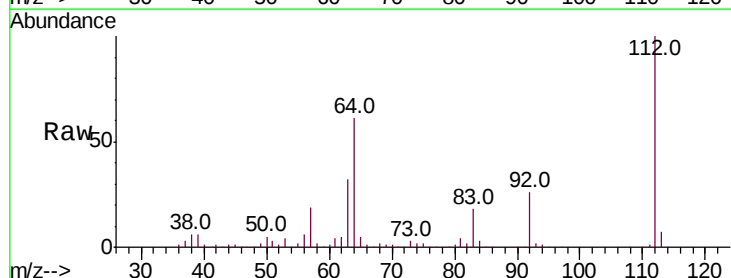
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



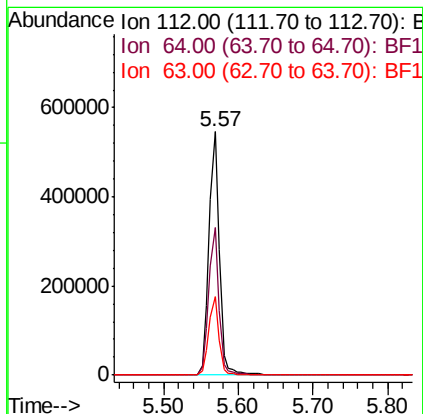
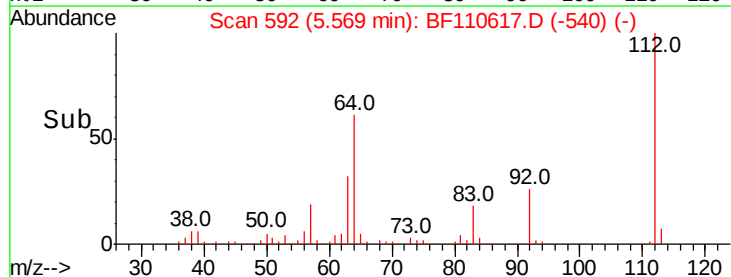
#5

2-Fluorophenol
Concen: 108.986 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Tgt Ion:112 Resp: 537526
Ion Ratio Lower Upper
112 100
64 60.5 44.1 66.1
63 32.0 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: 106.320 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BF110617.D

Acq: 9 Nov 2018 10:31

Instrument :

BNA_F

ClientSampleId :

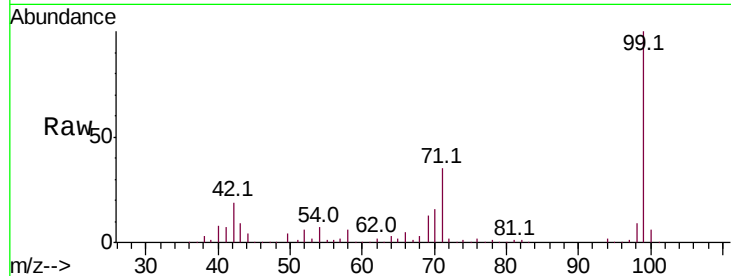
Tot Ion: 99 Resp: 670550

Ion Ratio Lower Upper

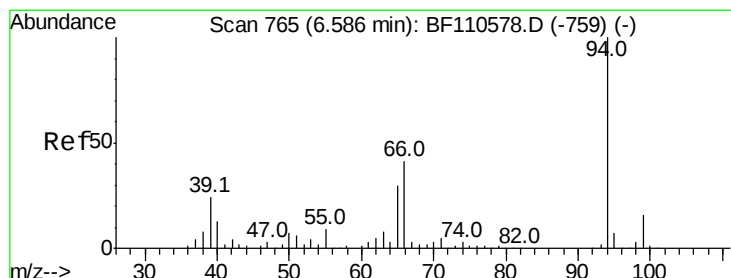
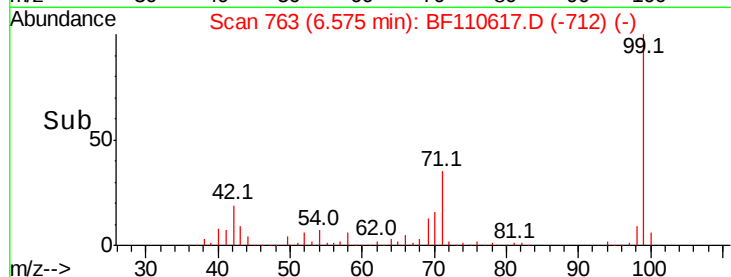
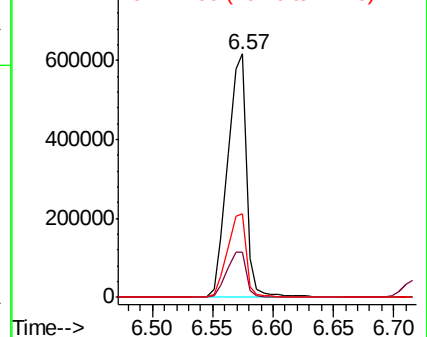
99 100

42 18.7 15.8 23.6

71 34.5 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



#10

Phenol

Concen: 5.881 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110617.D

Acq: 9 Nov 2018 10:31

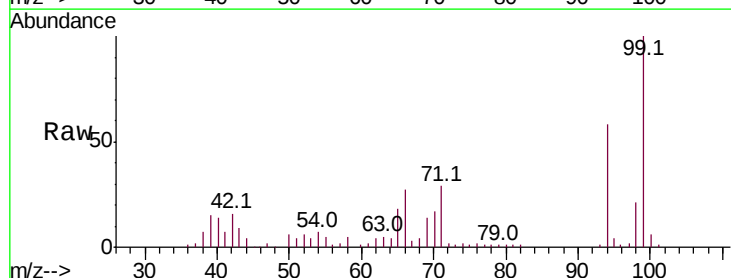
Tgt Ion: 94 Resp: 43012

Ion Ratio Lower Upper

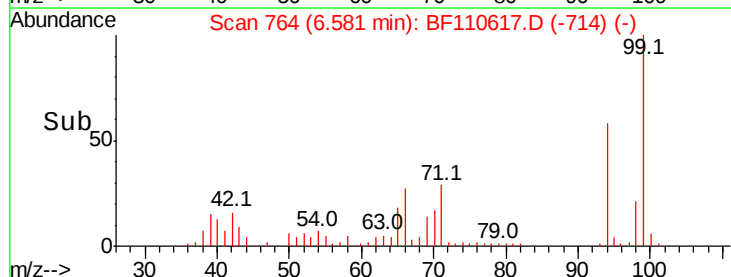
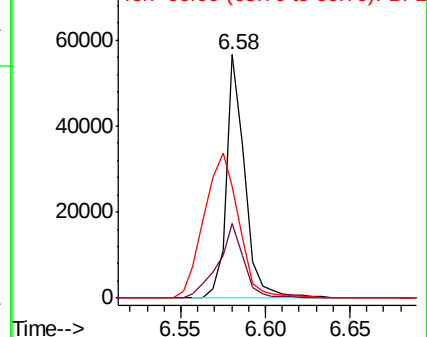
94 100

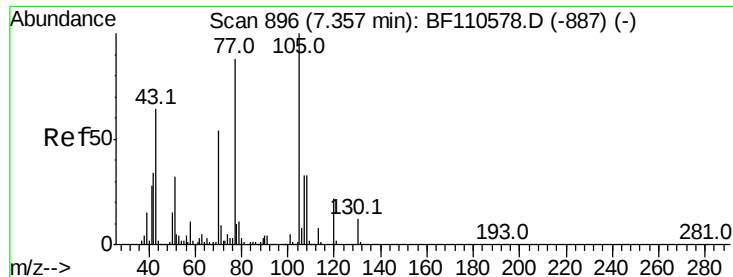
65 30.9 25.3 65.3

66 46.1 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

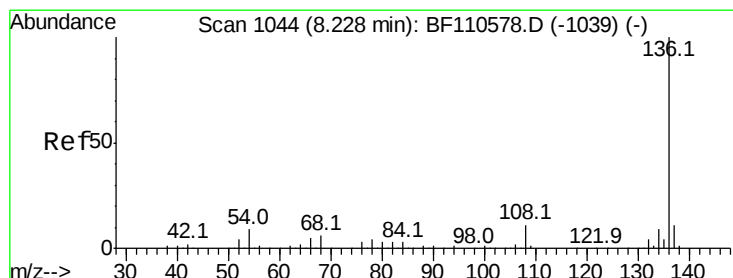
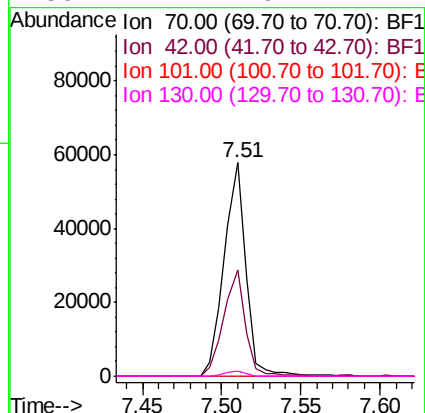
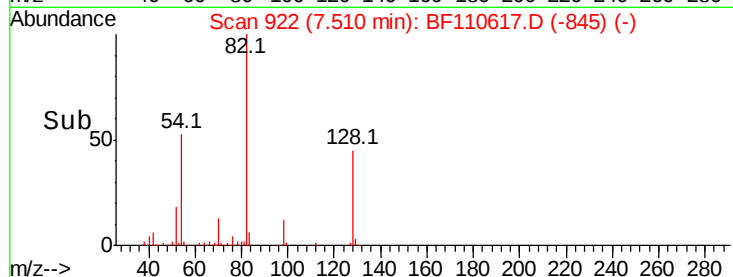
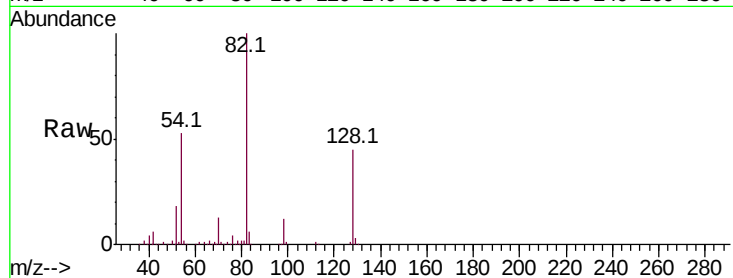




#19
n-Nitroso-di-n-propylamine
Concen: 13.758 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

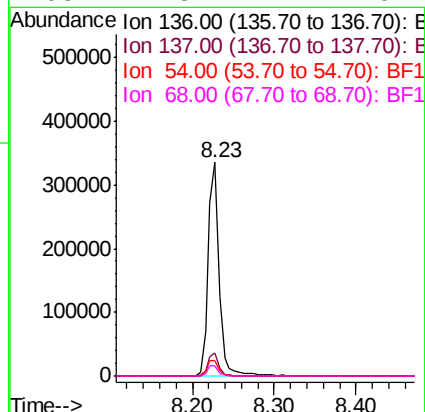
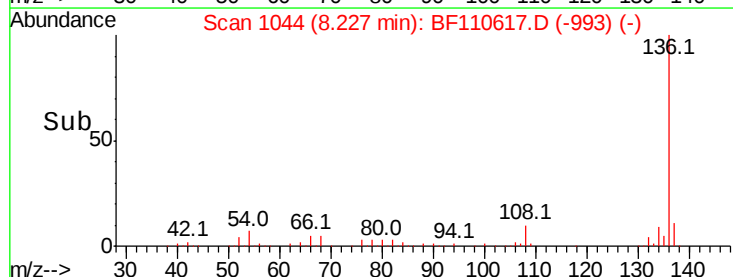
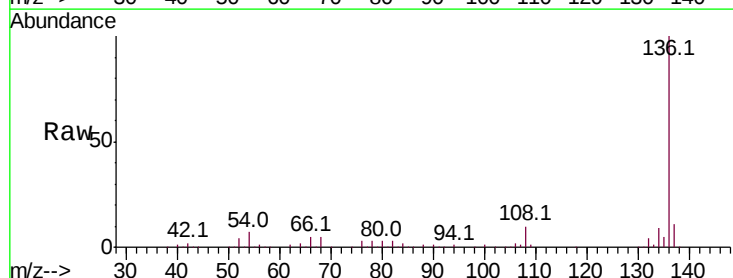
Instrument :
BNA_F
ClientSampleId :

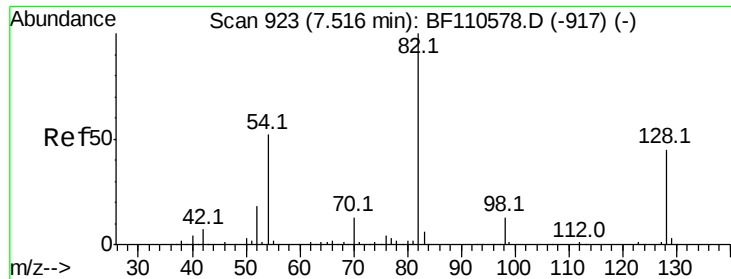
Tot Ion: 70 Resp: 55389
Ion Ratio Lower Upper
70 100
42 49.5 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Tgt Ion: 136 Resp: 314650
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.3 5.4 8.2
68 4.8 4.2 6.2

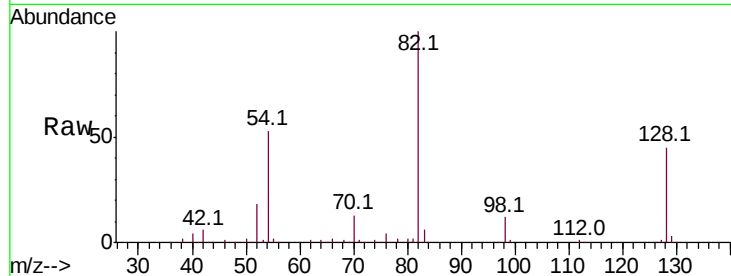




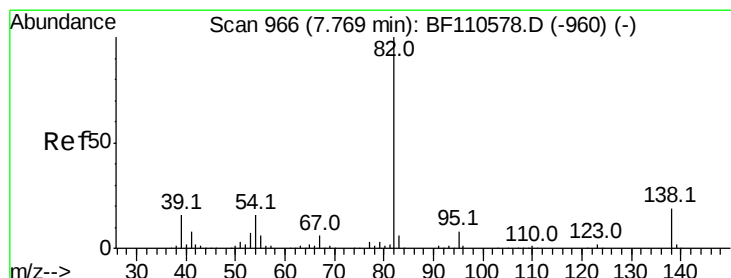
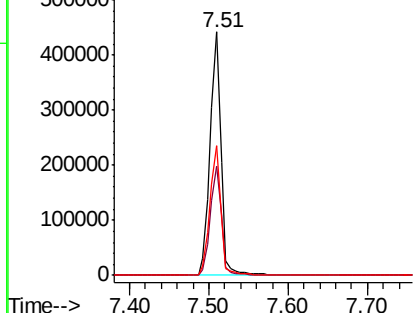
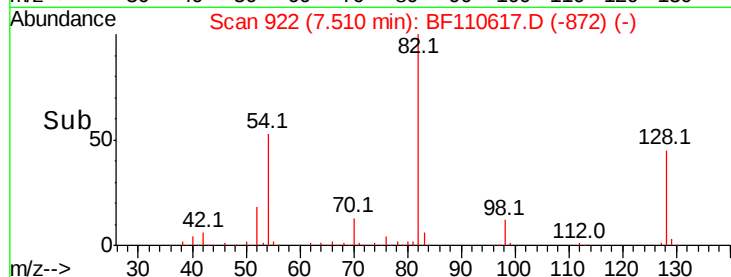
#23
Nitrobenzene-d5
Concen: 78.064 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 426514
Ion Ratio Lower Upper
82 100
128 44.7 34.2 51.2
54 53.4 38.6 58.0

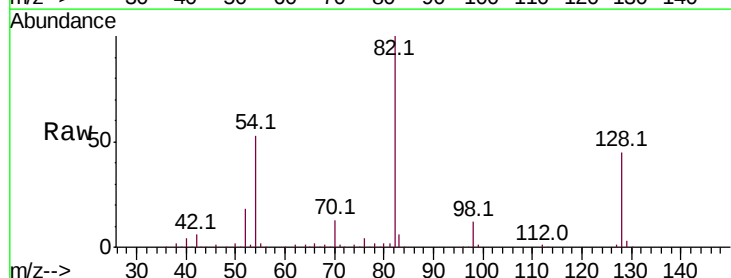


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

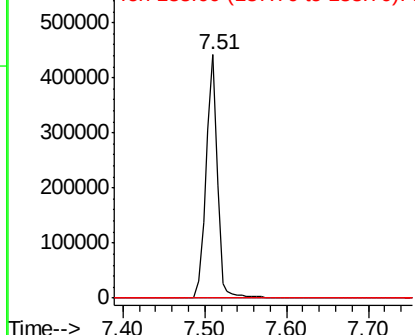
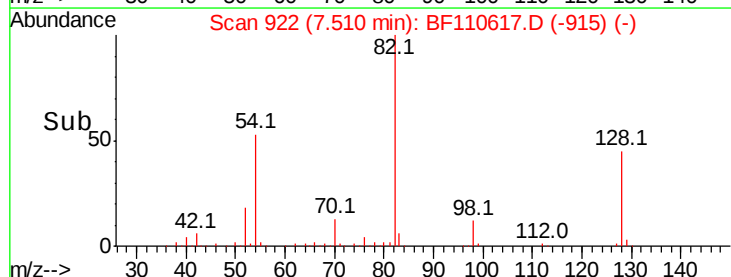


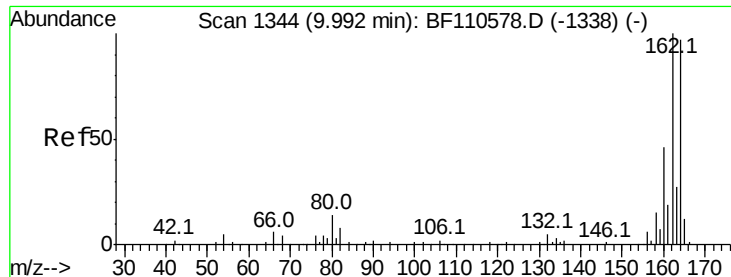
#25
Isophorone
Concen: 47.628 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Tgt Ion: 82 Resp: 426512
Ion Ratio Lower Upper
82 100
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

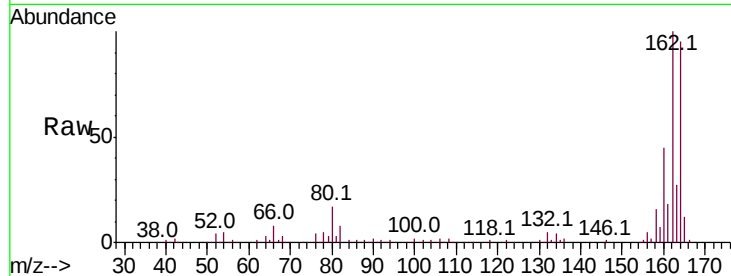




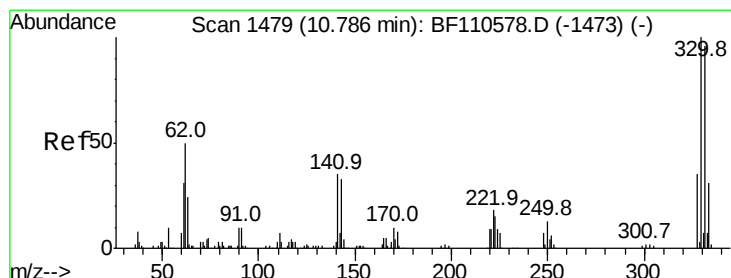
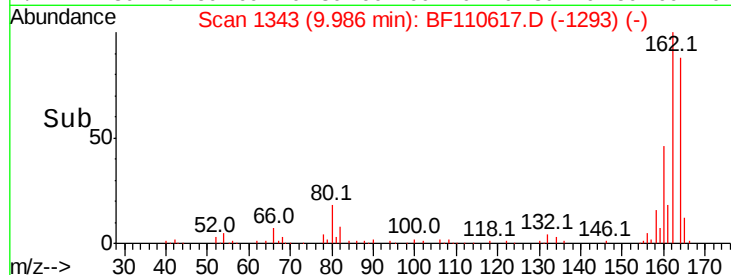
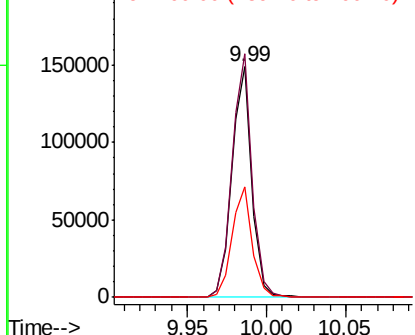
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 129016
Ion Ratio Lower Upper
164 100
162 105.5 83.0 124.6
160 47.9 37.0 55.6

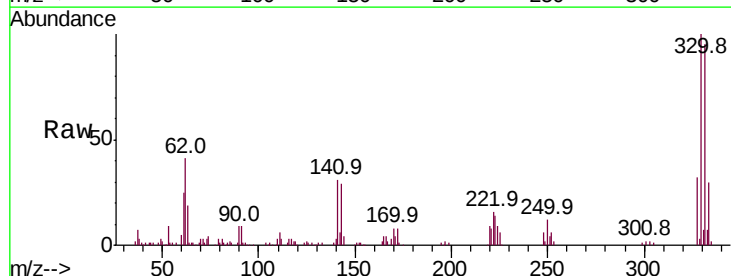


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

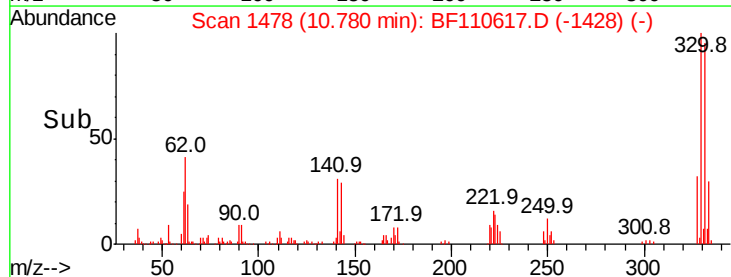
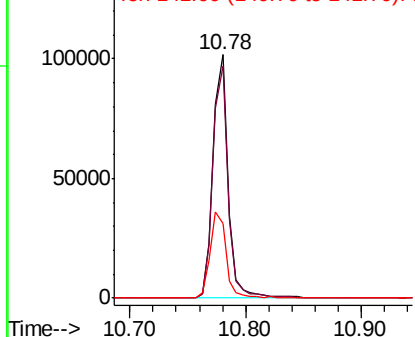


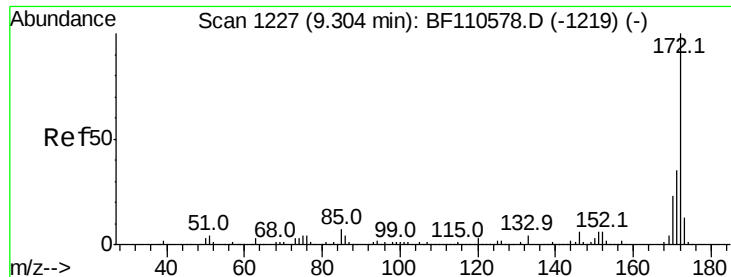
#42
2,4,6-Tribromophenol
Concen: 71.410 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Tgt Ion:330 Resp: 92833
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 37.4 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



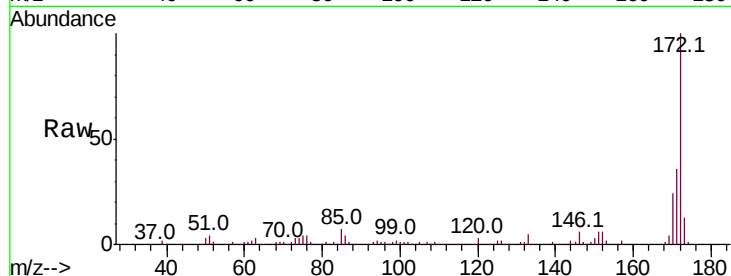


#45
 2-Fluorobiphenyl
 Concen: 78.788 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

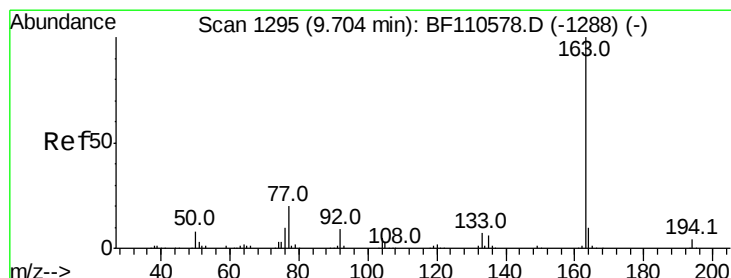
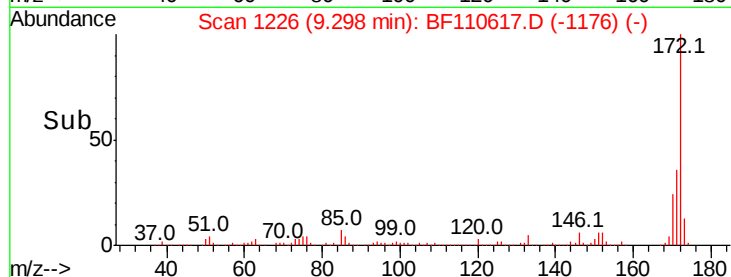
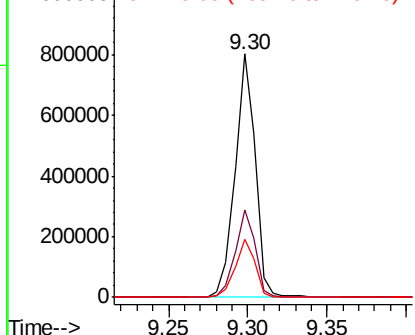
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 711739

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.0	19.7	29.5



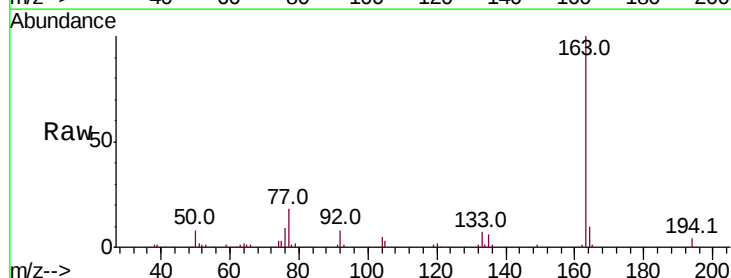
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



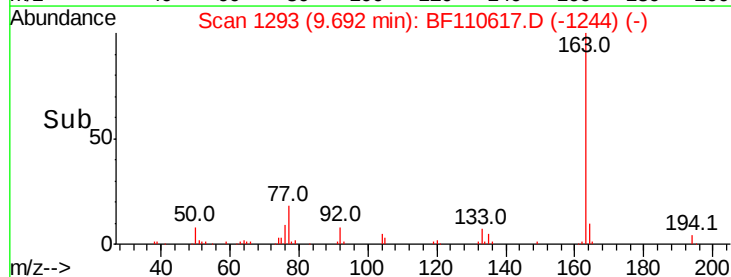
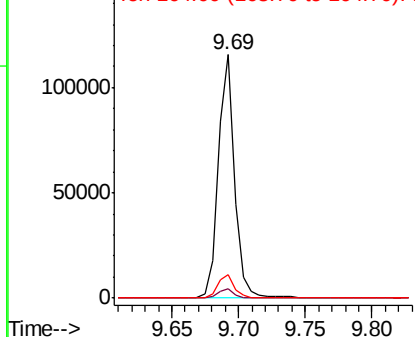
#50
 Dimethylphthalate
 Concen: 10.377 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

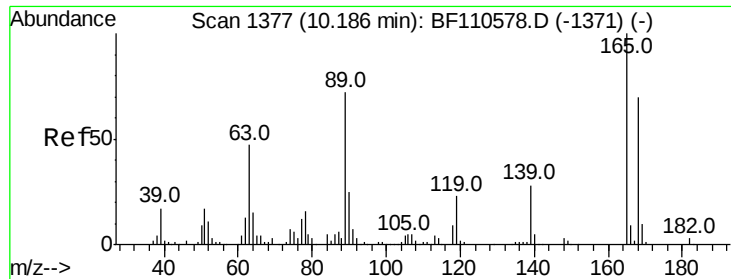
Tgt Ion:163 Resp: 99900

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.5	8.1	12.1



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

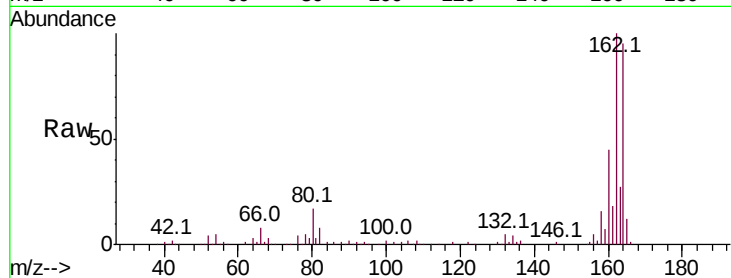




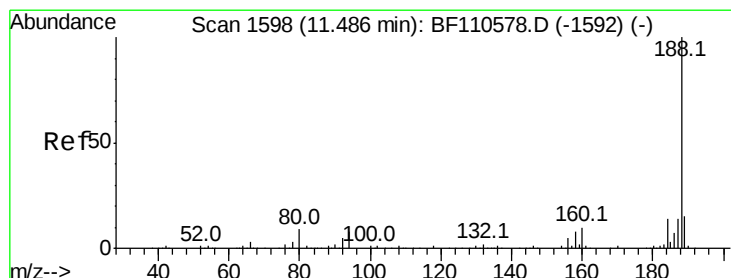
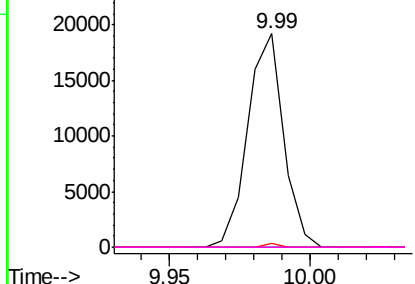
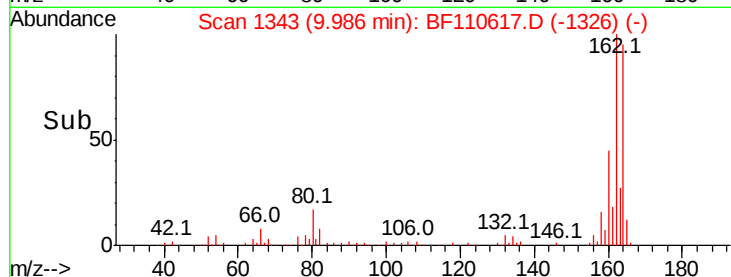
#57
 2,4-Dinitrotoluene
 Concen: 6.127 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 16871
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 1.8 62.2 93.4#
 182 0.0 2.1 3.1#

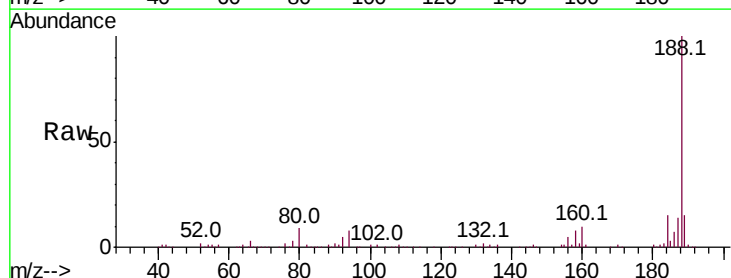


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

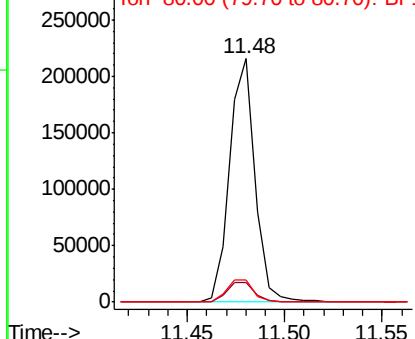
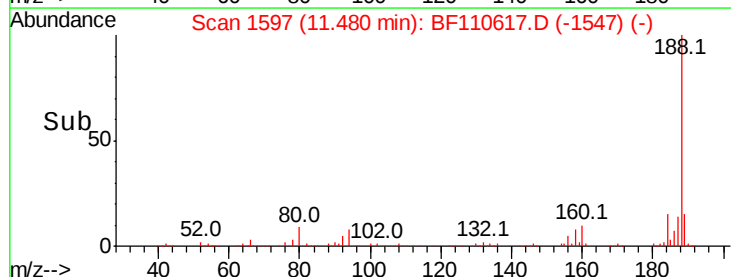


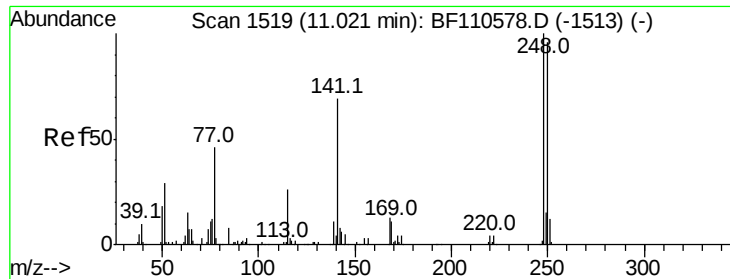
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

Tgt Ion:188 Resp: 194701
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.2 10.8
 80 9.1 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

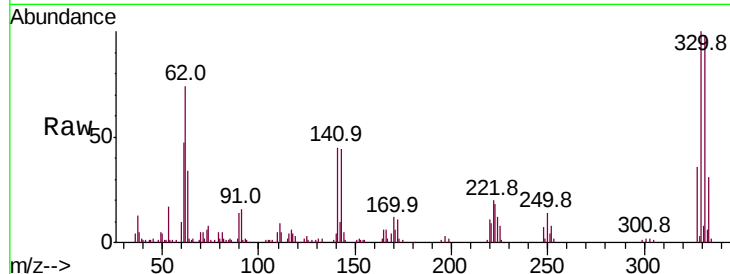




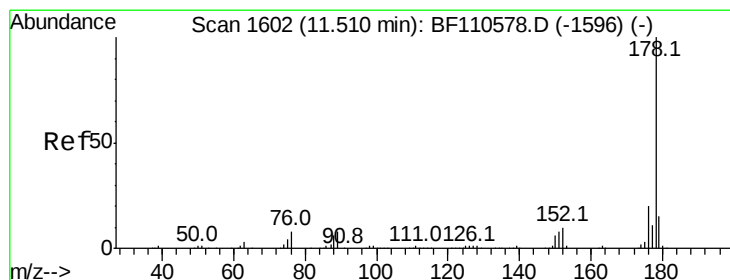
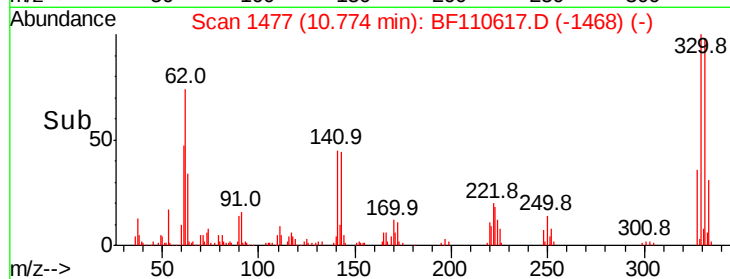
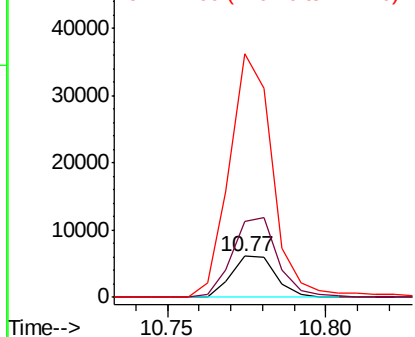
#67
 4-Bromophenyl-phenylether
 Concen: 2.759 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5937
 Ion Ratio Lower Upper
 248 100
 250 185.9 79.4 119.2#
 141 596.0 55.9 83.9#

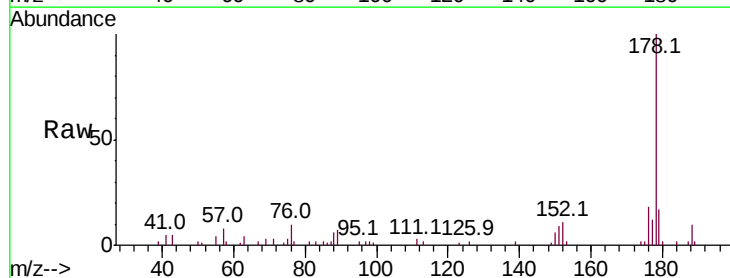


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

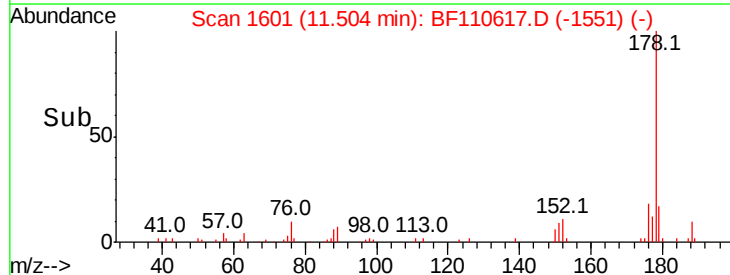
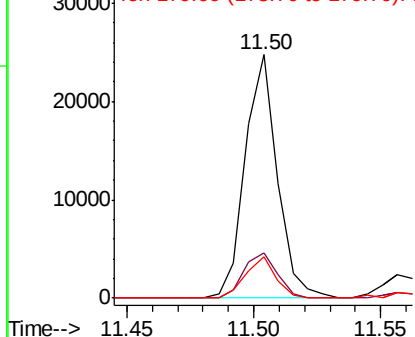


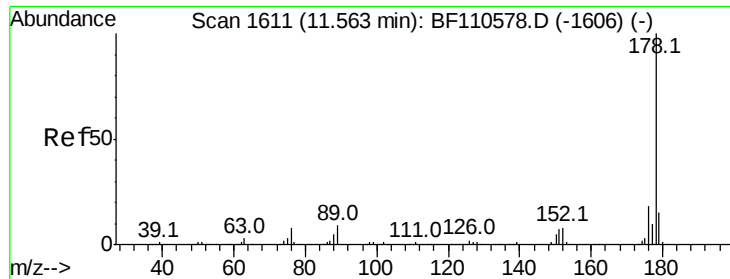
#71
 Phenanthrene
 Concen: 2.104 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

Tgt Ion:178 Resp: 21942
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 16.9 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: 2.085 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.06 min

Lab File: BF110617.D

Acq: 9 Nov 2018 10:31

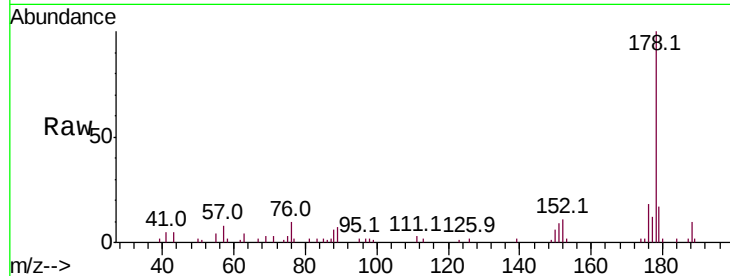
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 21942

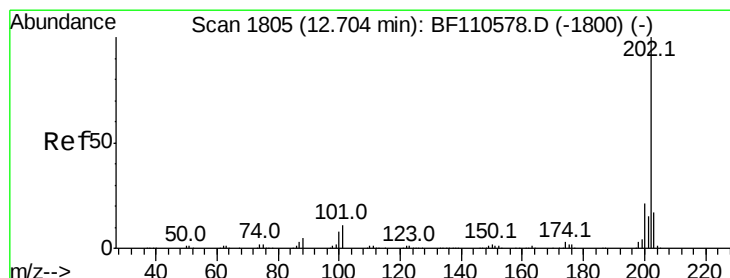
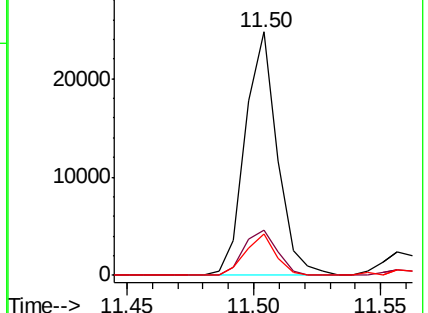
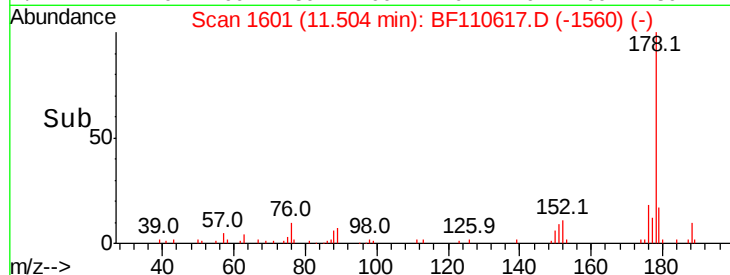
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.9	12.6	18.8



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: 4.455 ng

RT: 12.70 min Scan# 1804

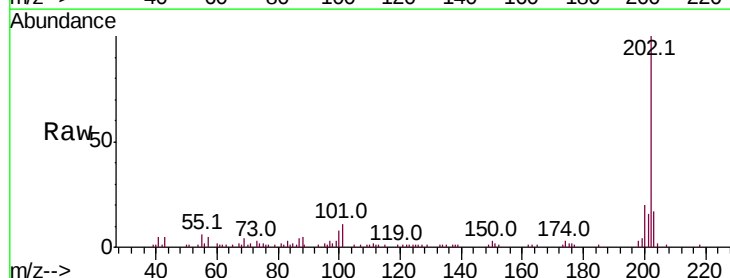
Delta R.T. -0.01 min

Lab File: BF110617.D

Acq: 9 Nov 2018 10:31

Tgt Ion:202 Resp: 46589

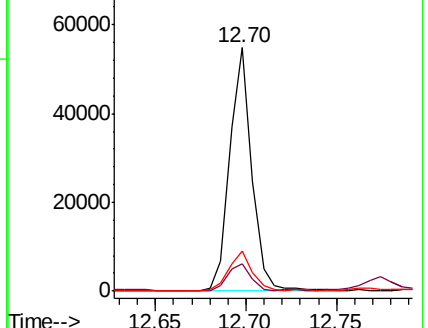
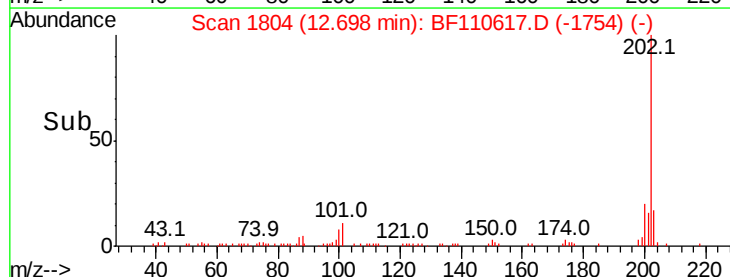
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	16.6	0.0	37.7

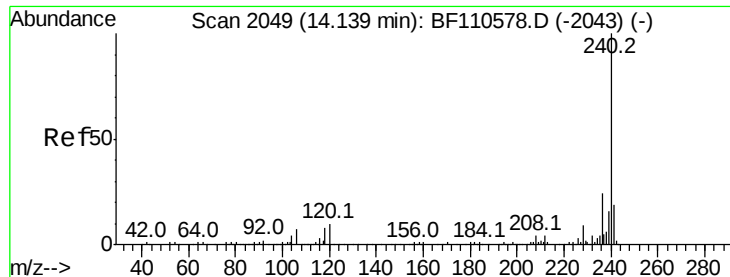


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2047

Delta R.T. -0.01 min

Lab File: BF110617.D

Acq: 9 Nov 2018 10:31

Instrument :

BNA_F

ClientSampleId :

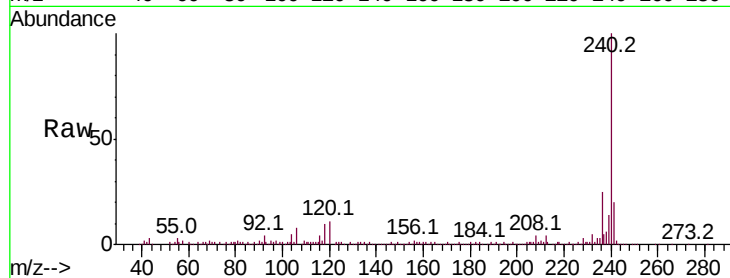
Tot Ion:240 Resp: 160542

Ion Ratio Lower Upper

240 100

120 11.4 8.3 12.5

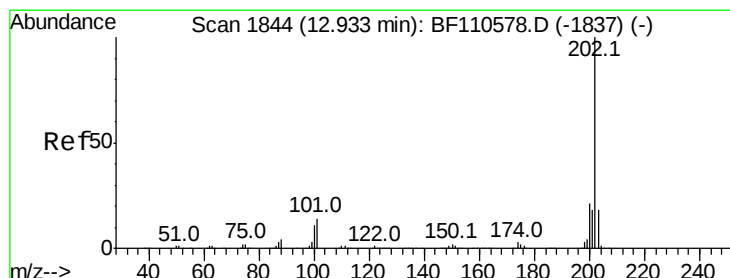
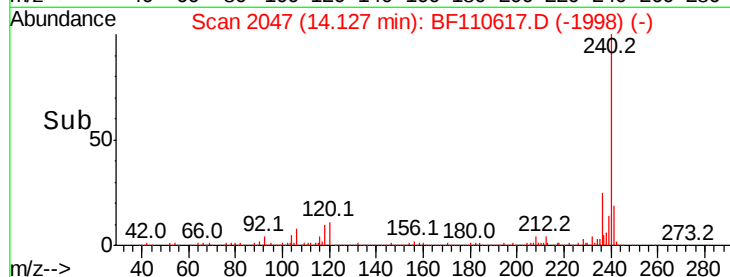
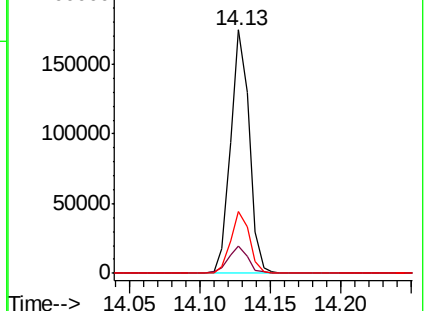
236 25.5 21.2 31.8



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: 3.294 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110617.D

Acq: 9 Nov 2018 10:31

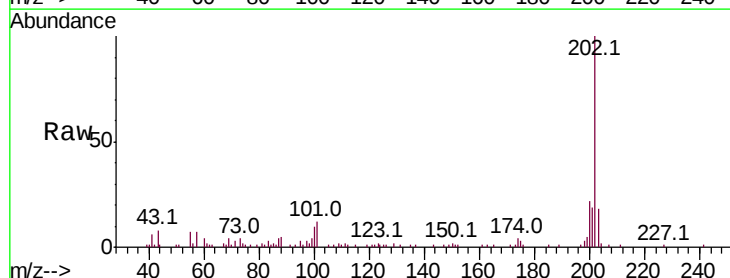
Tgt Ion:202 Resp: 40716

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

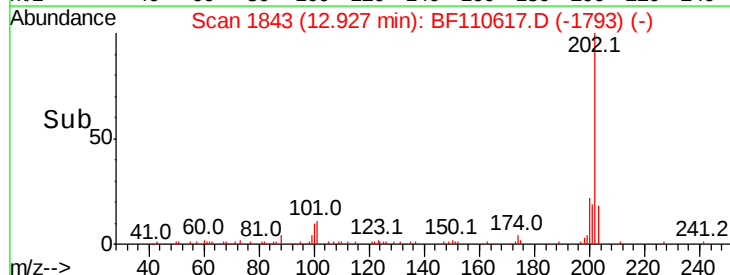
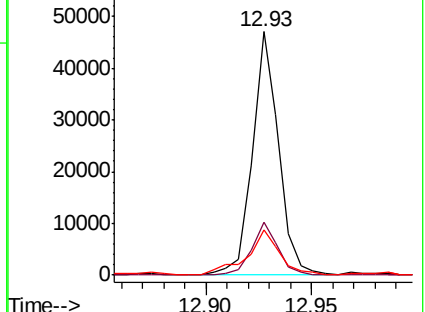
203 18.4 14.2 21.4

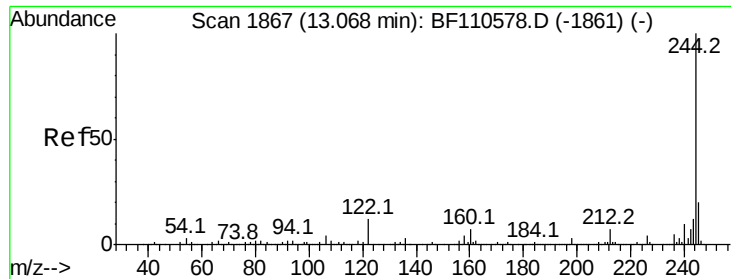


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

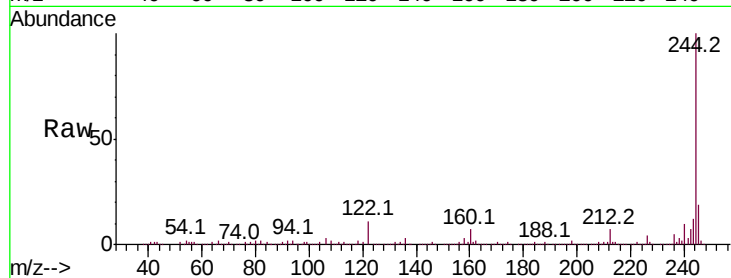




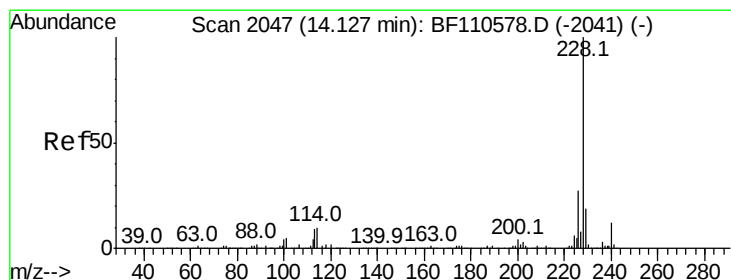
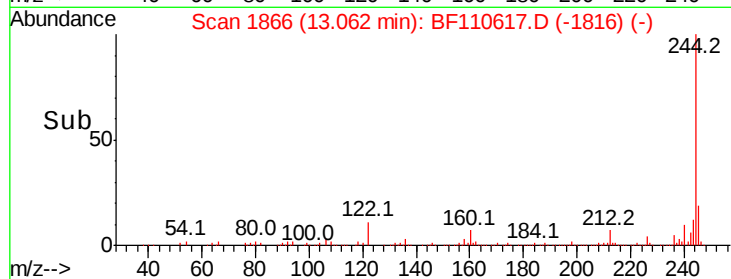
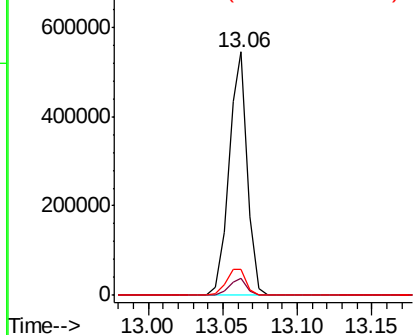
#79
 Terphenyl-d14
 Concen: 54.925 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 470842
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 10.9 8.7 13.1

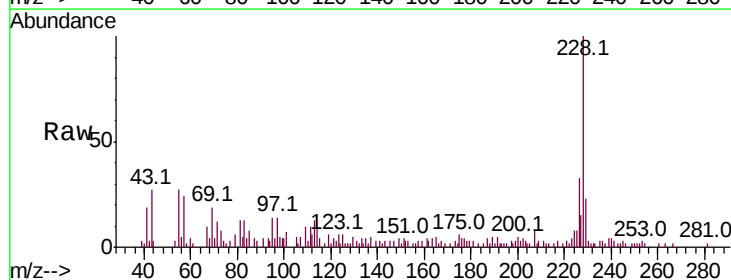


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

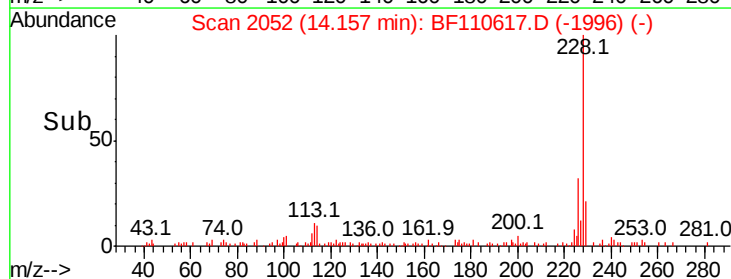
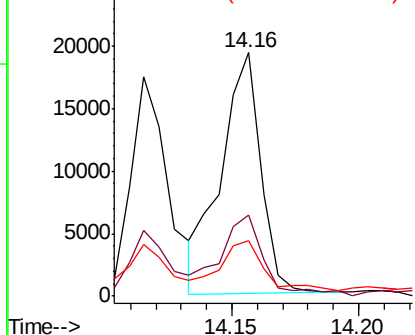


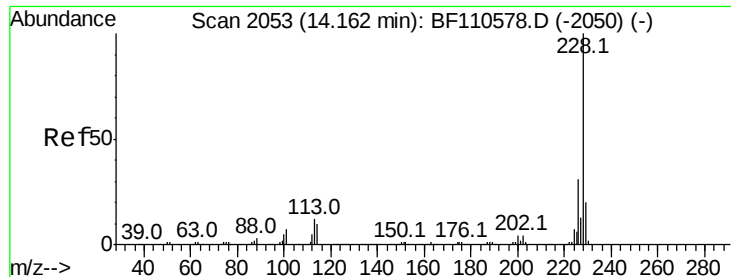
#81
 Benzo(a)anthracene
 Concen: 2.181 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.03 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

Tgt Ion:228 Resp: 20928
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.1 33.1
 229 22.6 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

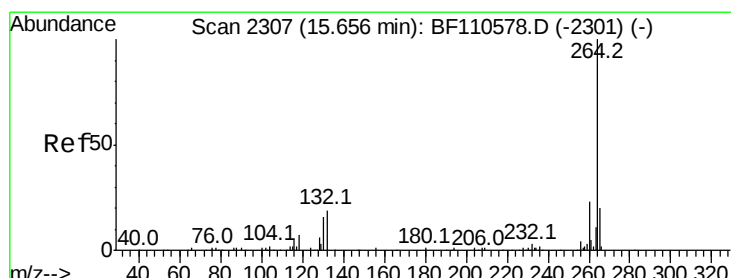
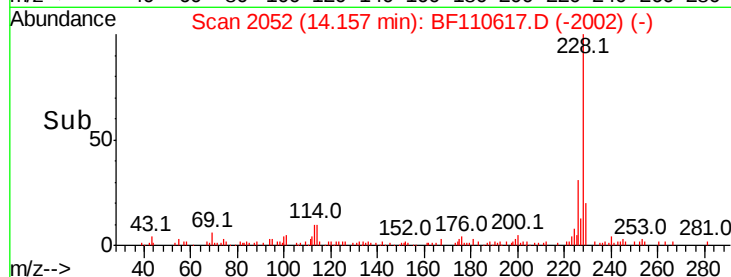
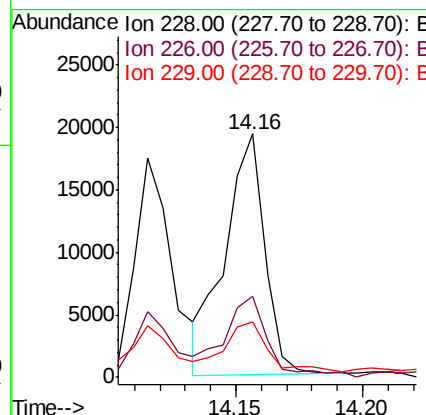
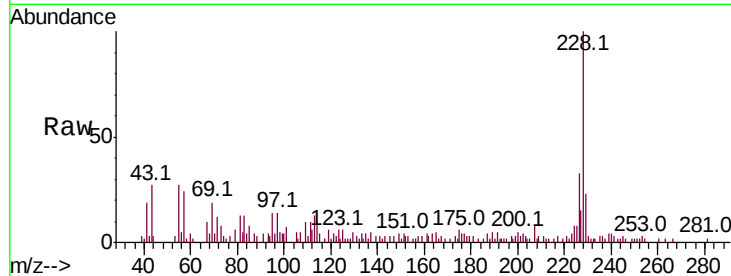




#83
 Chrysene
 Concen: 2.289 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

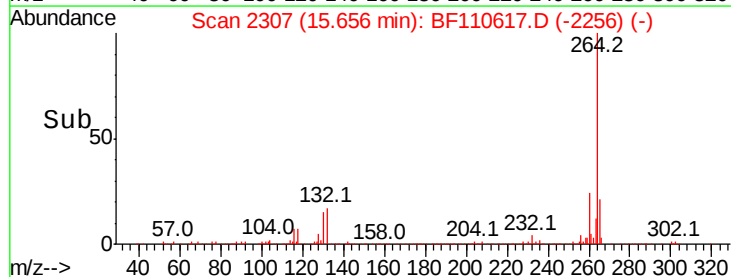
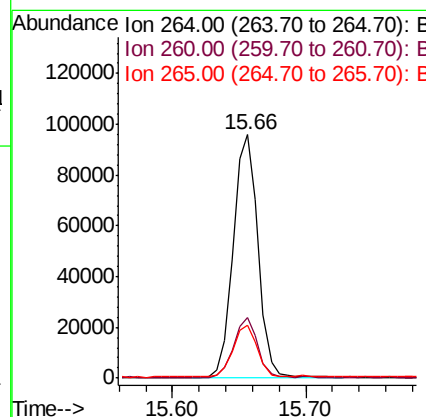
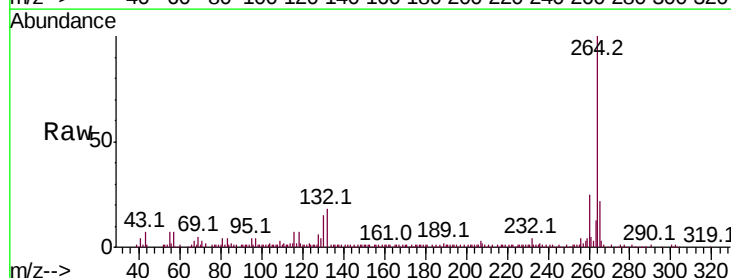
Instrument :
 BNA_F
 ClientSampled :

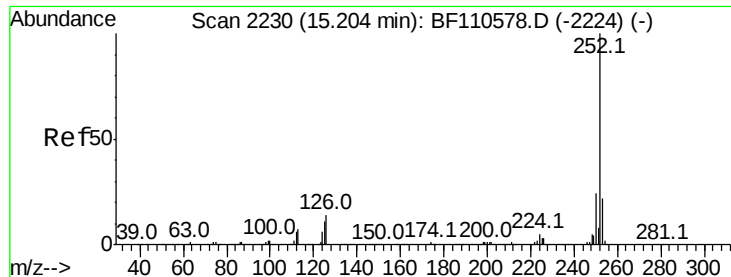
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.7	37.1
229	22.6	15.9	23.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: BF110617.D
 Acq: 9 Nov 2018 10:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	21.8	16.7	25.1

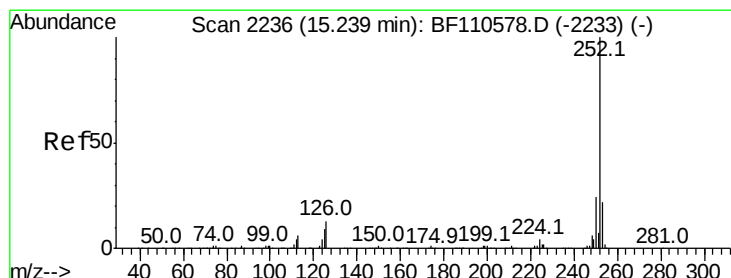
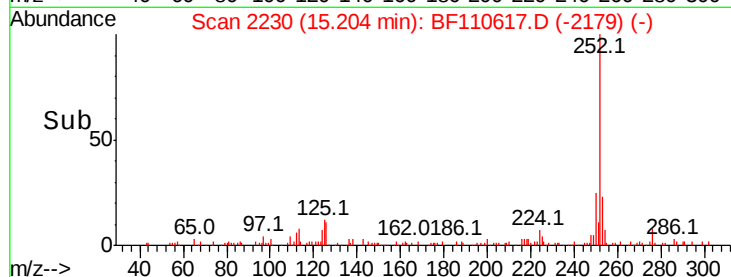
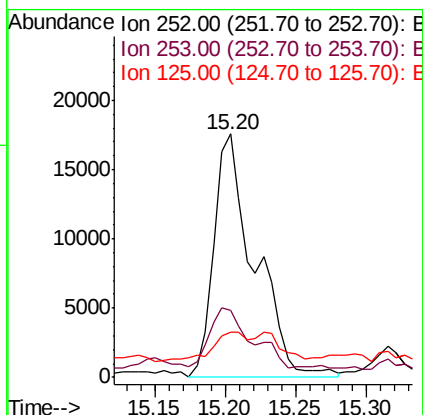
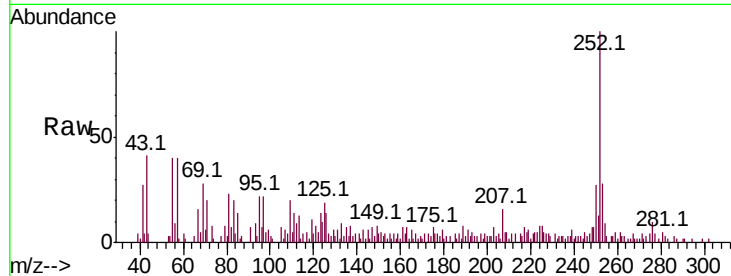




#88
Benzo(b)fluoranthene
Concen: 4.719 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

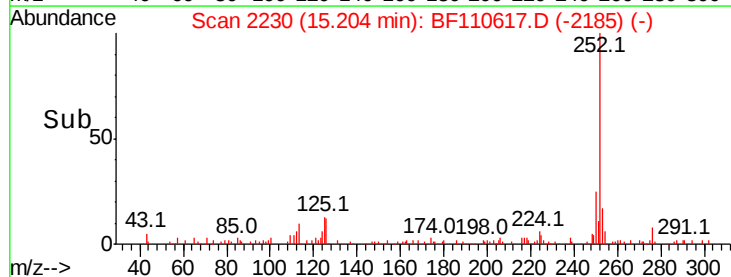
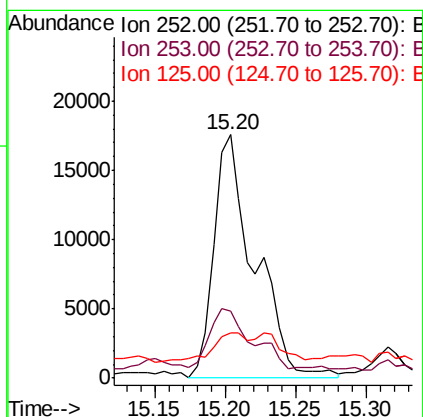
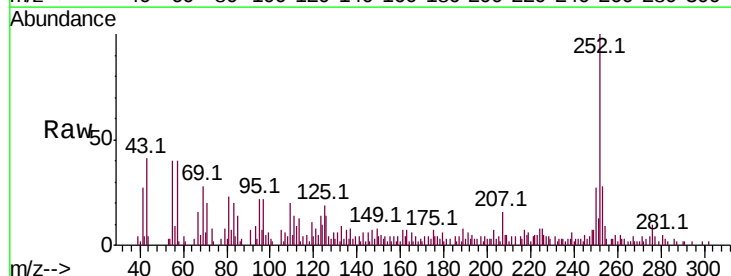
Instrument :
BNA_F
ClientSampleId :

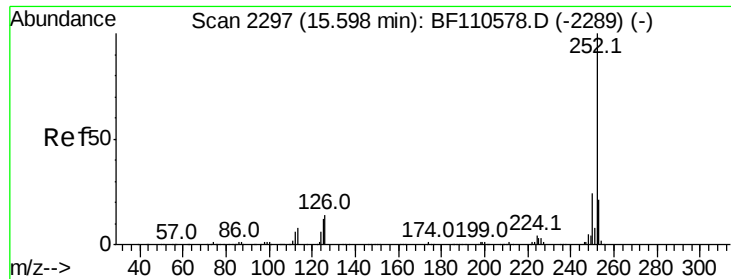
Tot Ion:252 Resp: 35371
Ion Ratio Lower Upper
252 100
253 27.6 17.2 25.8#
125 18.7 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 4.776 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110617.D
Acq: 9 Nov 2018 10:31

Tgt Ion:252 Resp: 35371
Ion Ratio Lower Upper
252 100
253 27.6 17.2 25.8#
125 18.7 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.214 ng

RT: 15.59 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF110617.D

Acq: 9 Nov 2018 10:31

Instrument :

BNA_F

ClientSampleId :

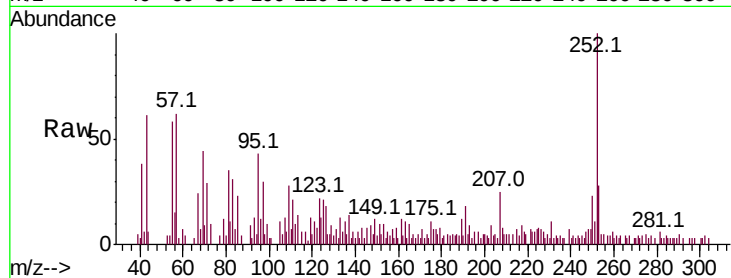
Tot Ion:252 Resp: 15077

Ion Ratio Lower Upper

252 100

253 28.1 18.2 27.4#

125 21.1 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

