

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111218\
 Data File : BF110690.D
 Acq On : 12 Nov 2018 22:26
 Operator : JU/SJ
 Sample : J5901-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-N

Quant Time: Nov 13 05:41:40 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

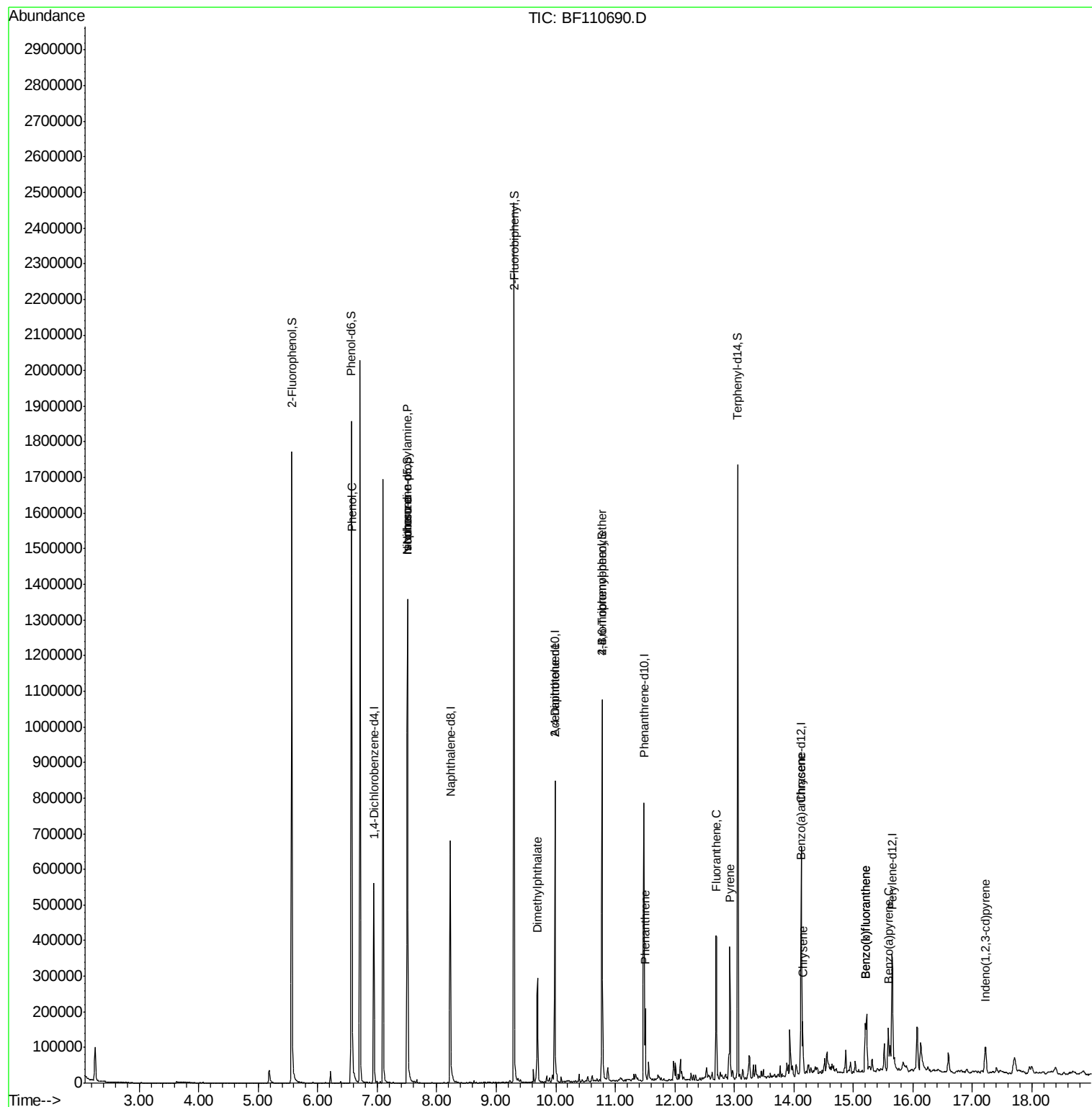
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	86170	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	375070	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	172797	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	310778	20.00	ng	0.00
76) Chrysene-d12	14.13	240	177778	20.00	ng	-0.01
87) Perylene-d12	15.65	264	165580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	522978	98.58	ng	0.00
7) Phenol-d6	6.57	99	694080	102.31	ng	0.00
23) Nitrobenzene-d5	7.51	82	435449	66.86	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	129353	74.29	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	725806	59.99	ng	0.00
79) Terphenyl-d14	13.06	244	558209	58.80	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.57	77	1935	Below Cal		Qvalue
10) Phenol	6.58	94	42847	5.447	ng	# 1
19) n-Nitroso-di-n-propylamine	7.51	70	57215	13.213	ng	# 69
25) Isophorone	7.51	82	435445	40.793	ng	# 79
50) Dimethylphthalate	9.69	163	128326	9.953	ng	# 67
57) 2,4-Dinitrotoluene	9.98	165	21640	5.868	ng	# 99
67) 4-Bromophenyl-phenylether	10.77	248	7868	2.291	ng	# 19
71) Phenanthrene	11.50	178	78129	4.692	ng	# 1
75) Fluoranthene	12.70	202	174132	10.432	ng	99
78) Pyrene	12.93	202	145923	10.660	ng	98
81) Benzo(a)anthracene	14.12	228	72259	6.800	ng	97
83) Chrysene	14.15	228	60921	6.018	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	34532	4.754	ng	98
88) Benzo(b)fluoranthene	15.20	252	103380	10.437	ng	96
89) Benzo(k)fluoranthene	15.20	252	103380	10.562	ng	# 97
90) Benzo(a)pyrene	15.59	252	57650	6.406	ng	# 97

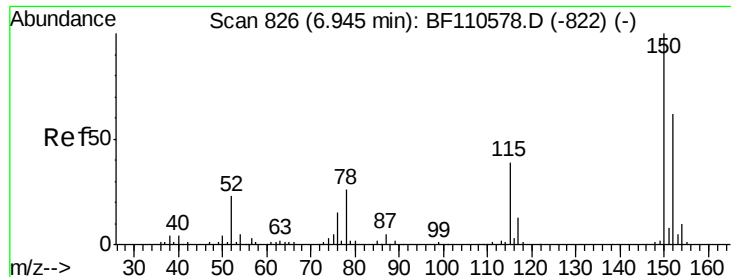
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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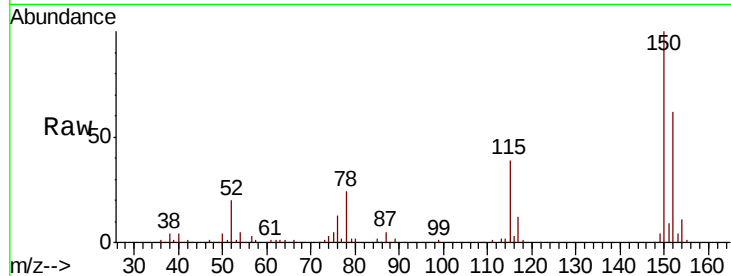




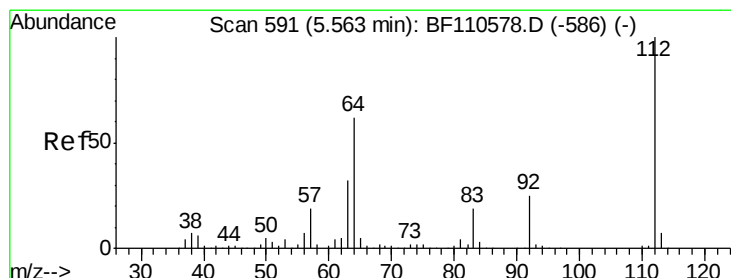
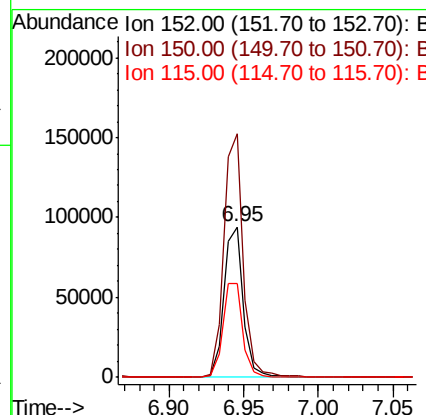
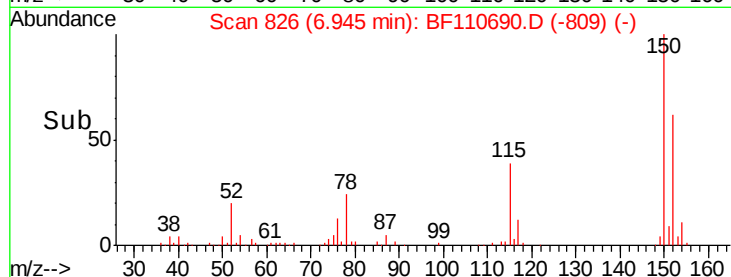
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Instrument :
 BNA_F
 ClientSampleId :
 S-N

Tgt Ion:152 Resp: 86170
 Ion Ratio Lower Upper
 152 100
 150 161.5 122.7 184.1
 115 62.5 49.1 73.7

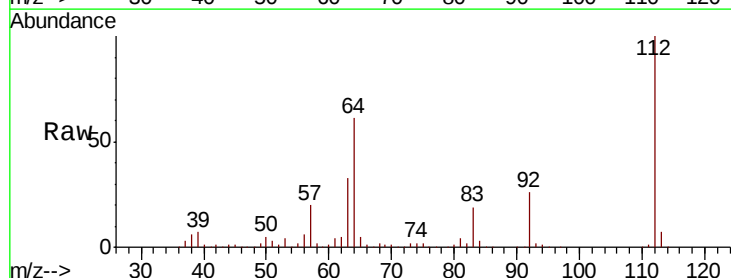


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

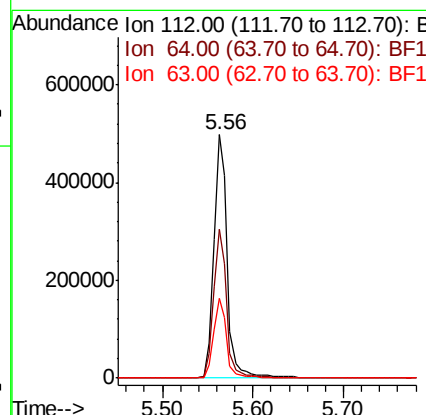
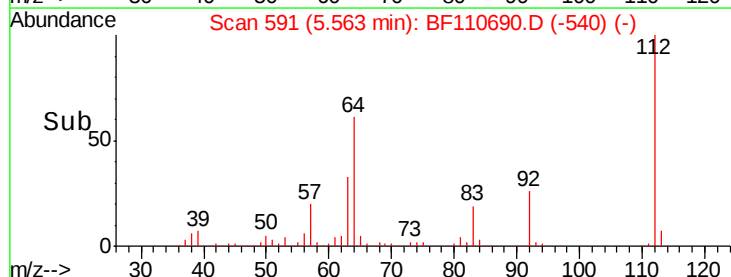


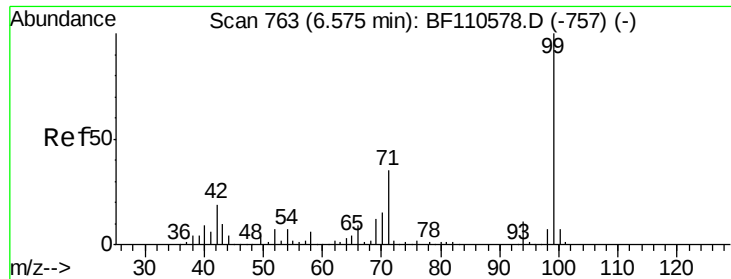
#5
 2-Fluorophenol
 Concen: 98.582 ng
 RT: 5.56 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Tgt Ion:112 Resp: 522978
 Ion Ratio Lower Upper
 112 100
 64 61.0 44.1 66.1
 63 32.8 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: 102.314 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110690.D

Acq: 12 Nov 2018 22:26

Instrument :

BNA_F

ClientSampleId :

S-N

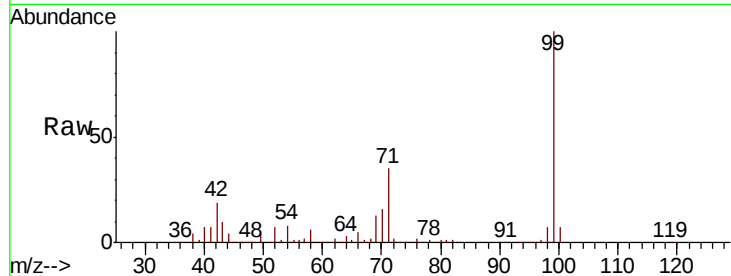
Tgt Ion: 99 Resp: 694080

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

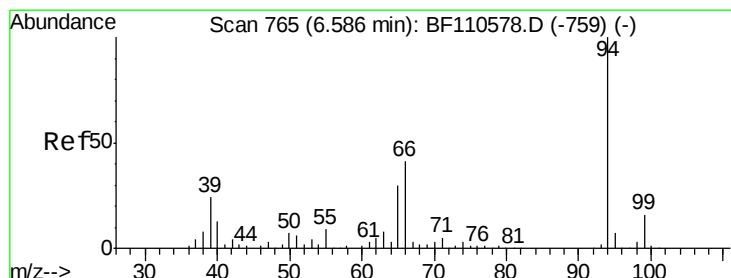
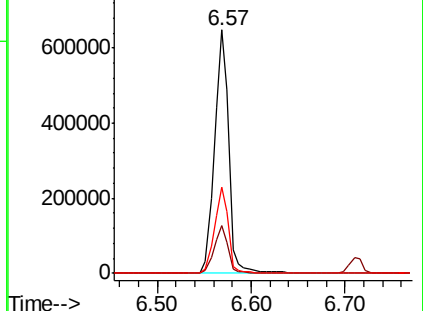
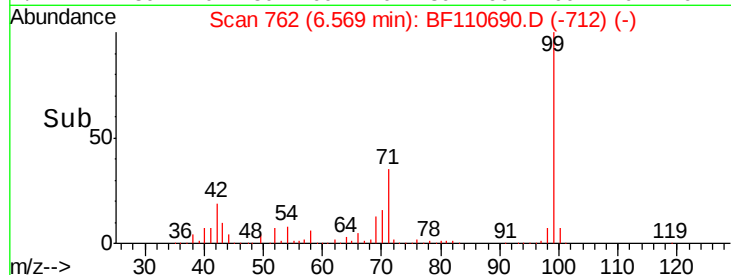
71 35.4 28.0 42.0



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: 5.447 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110690.D

Acq: 12 Nov 2018 22:26

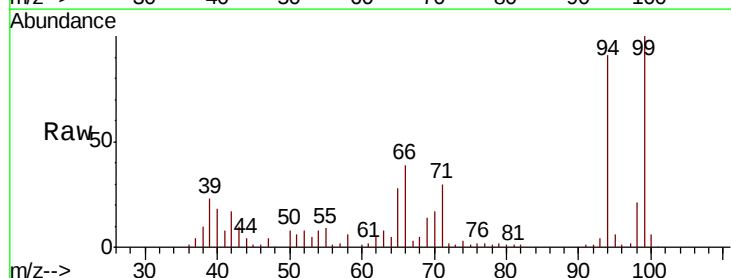
Tgt Ion: 94 Resp: 42847

Ion Ratio Lower Upper

94 100

65 31.1 25.3 65.3

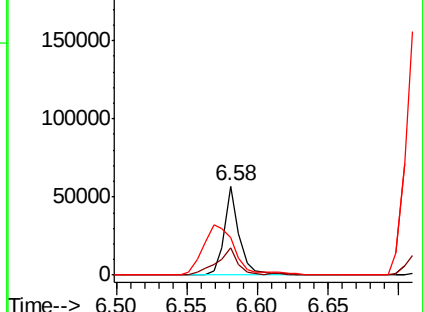
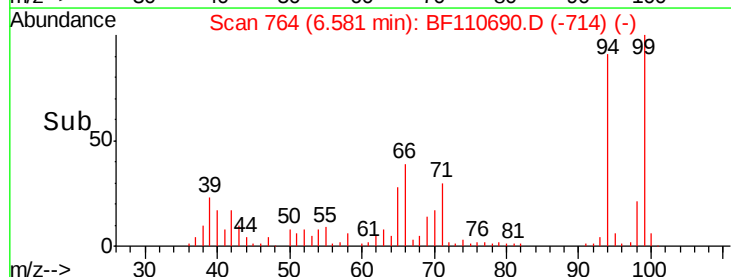
66 42.7 54.5 94.5#

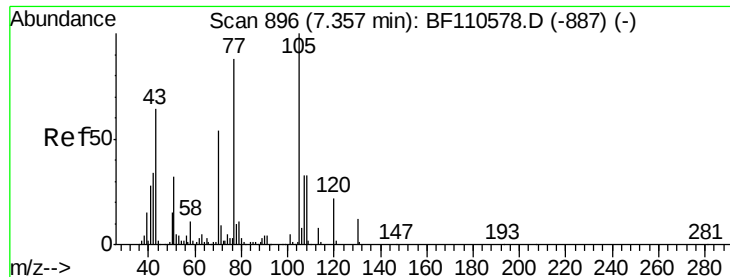


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

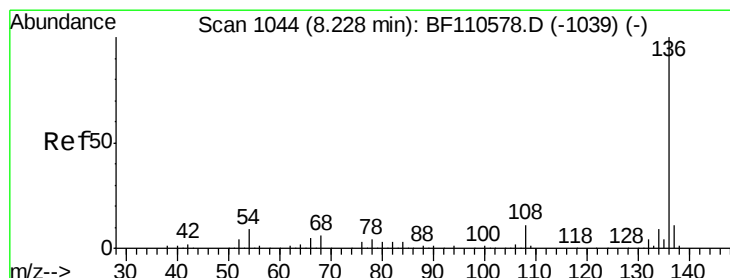
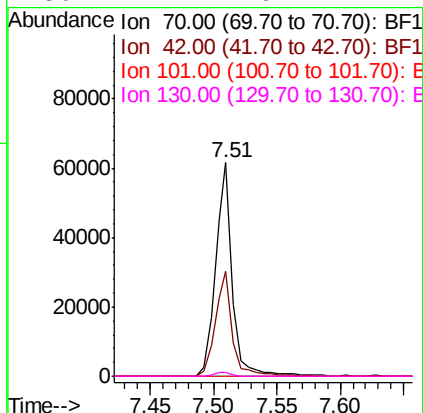
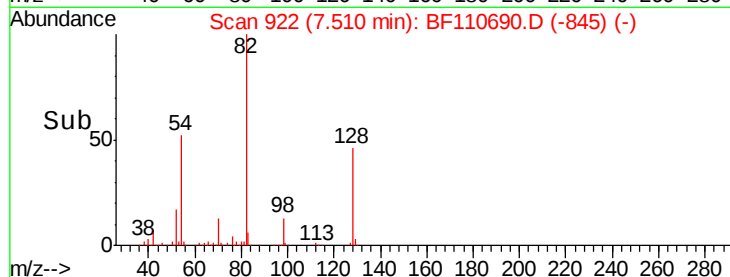
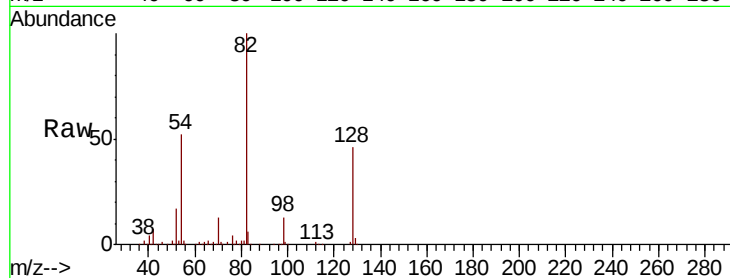




#19
n-Nitroso-di-n-propylamine
Concen: 13.213 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

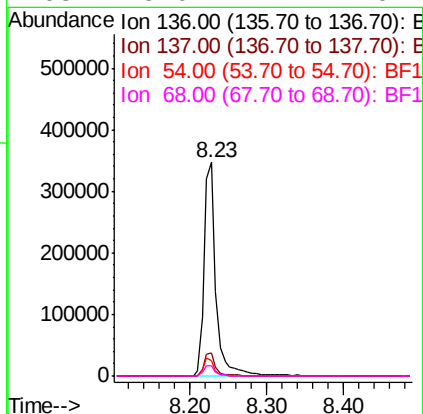
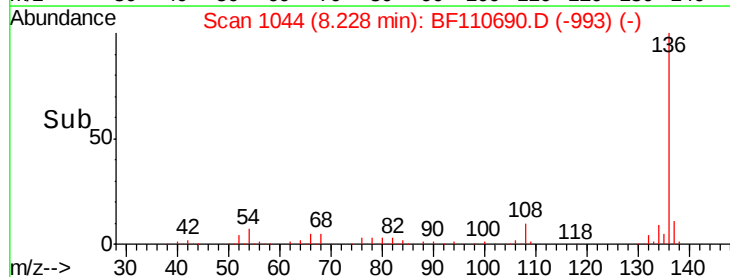
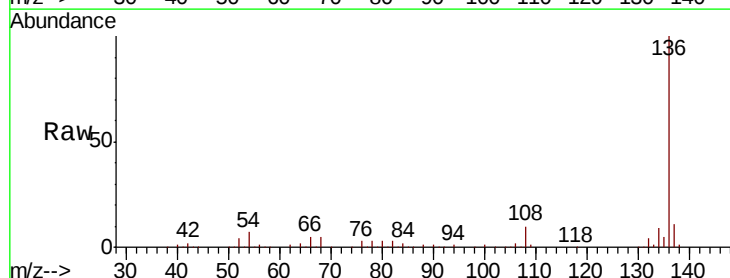
Instrument :
BNA_F
ClientSampleId :
S-N

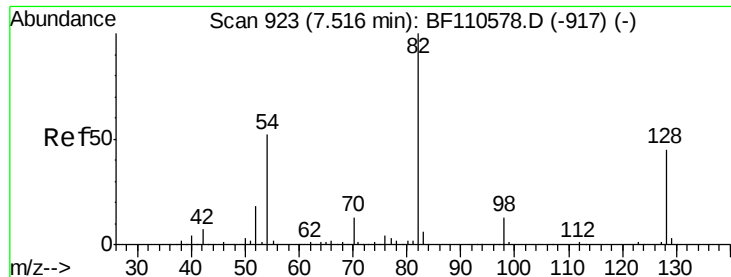
Tgt Ion: 70 Resp: 57215
Ion Ratio Lower Upper
70 100
42 49.2 47.4 71.2
101 0.0 7.3 10.9#
130 1.7 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

Tgt Ion: 136 Resp: 375070
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.1 5.4 8.2
68 5.0 4.2 6.2

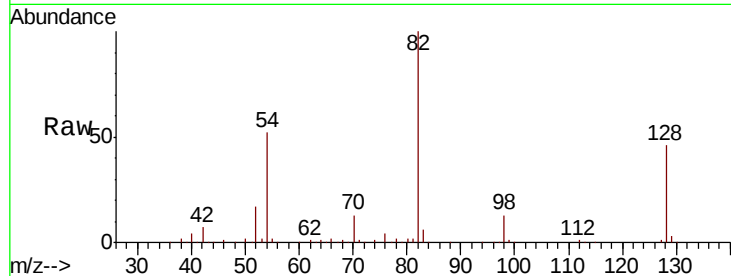




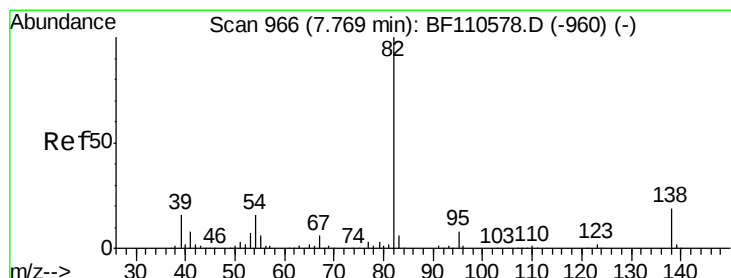
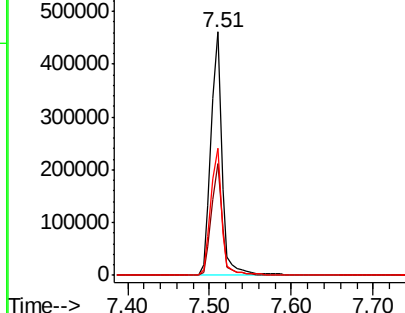
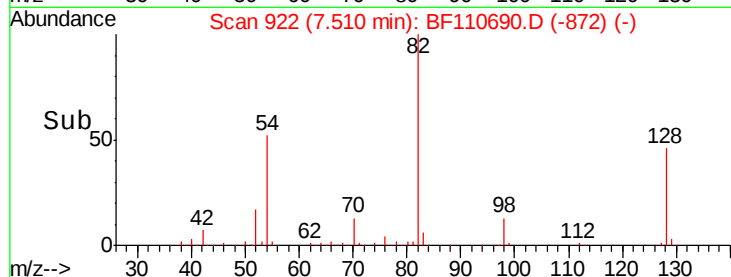
#23
 Nitrobenzene-d5
 Concen: 66.860 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Instrument :
 BNA_F
 ClientSampleID :
 S-N

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.2	51.2
54	52.5	38.6	58.0

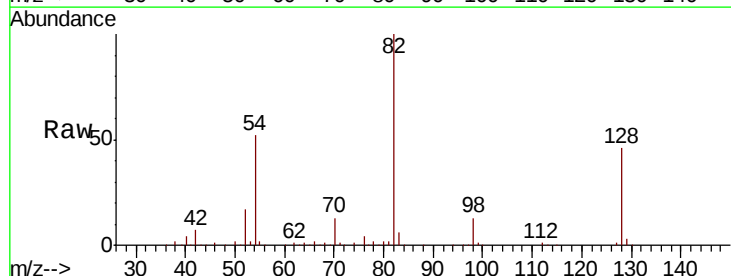


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

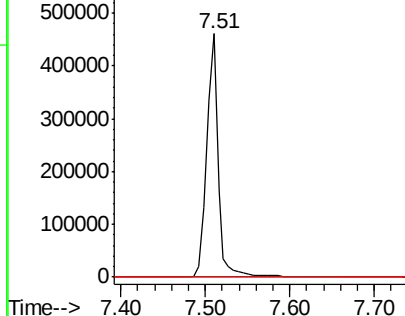
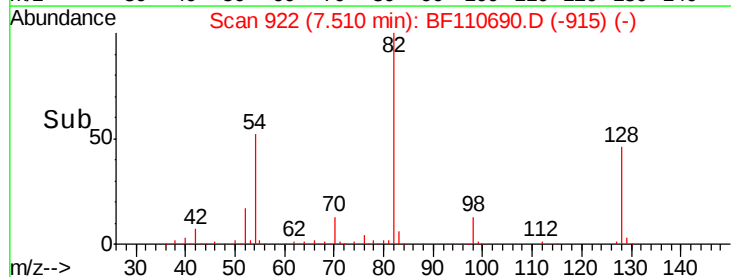


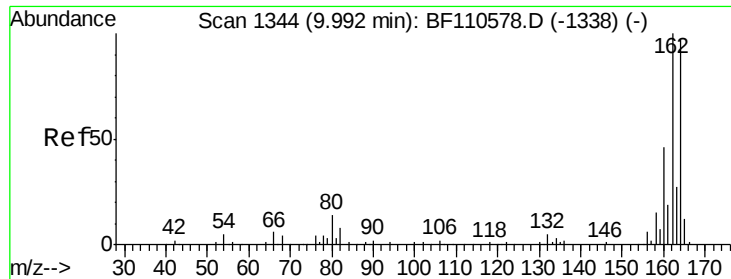
#25
 Isophorone
 Concen: 40.793 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Tgt 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: BF110690.D

Acq: 12 Nov 2018 22:26

Instrument :

BNA_F

ClientSampled :

S-N

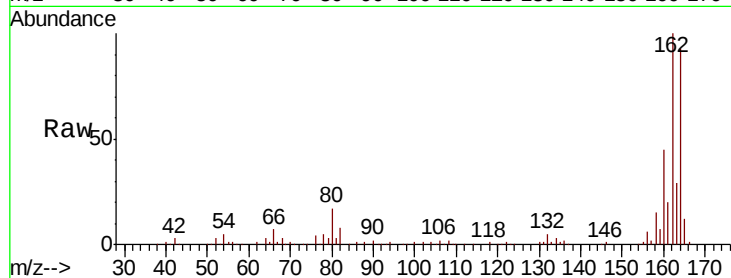
Tgt Ion:164 Resp: 172797

Ion Ratio Lower Upper

164 100

162 107.9 83.0 124.6

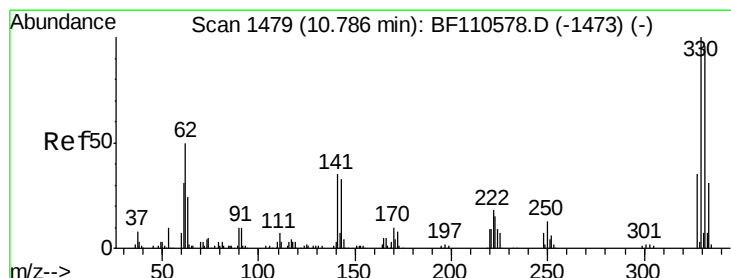
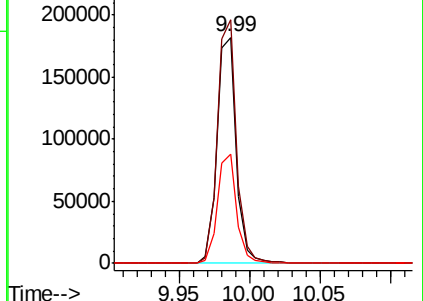
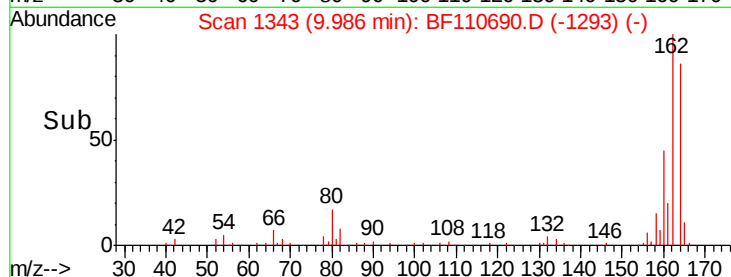
160 48.4 37.0 55.6



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: 74.292 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110690.D

Acq: 12 Nov 2018 22:26

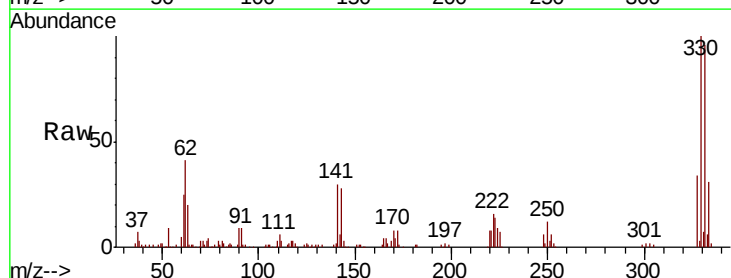
Tgt Ion:330 Resp: 129353

Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

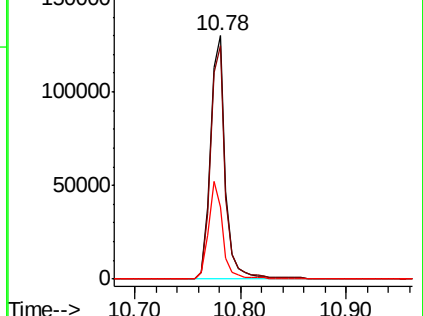
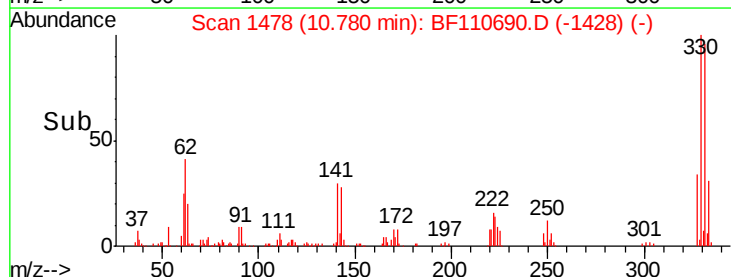
141 38.3 27.0 40.4

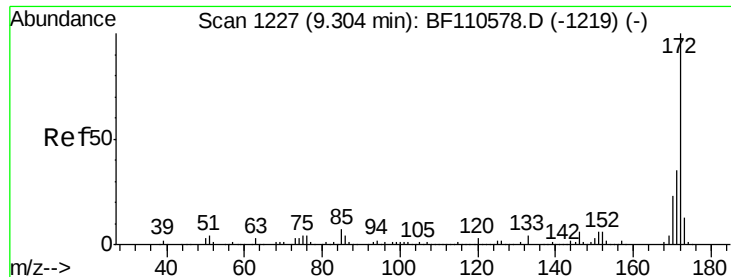


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

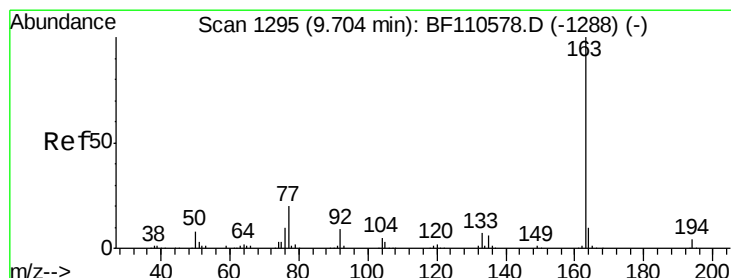
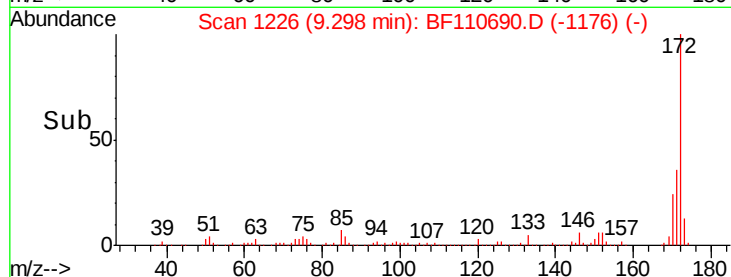
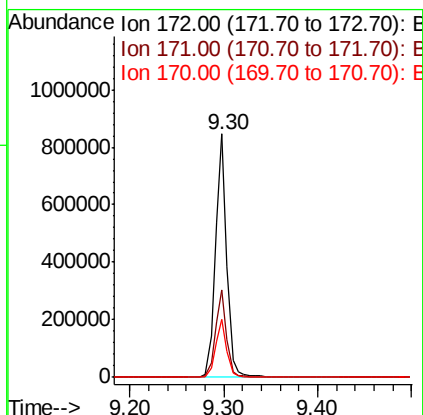
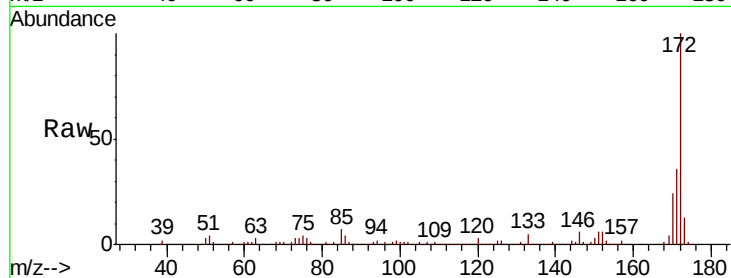




#45
2-Fluorobiphenyl
Concen: 59.988 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

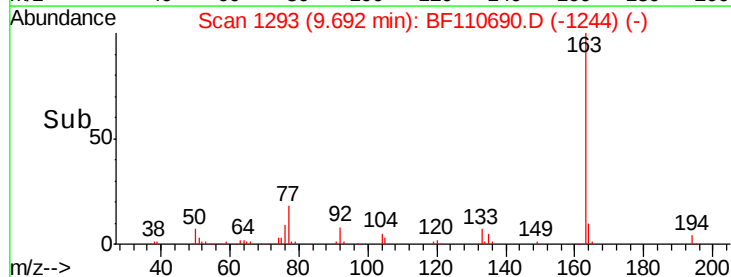
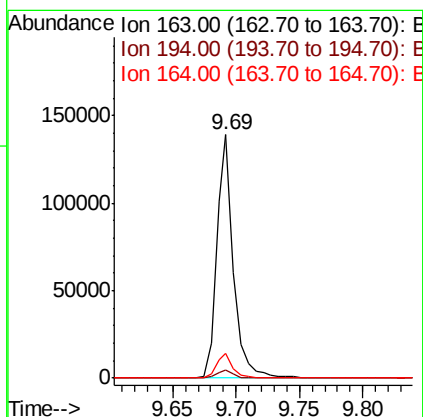
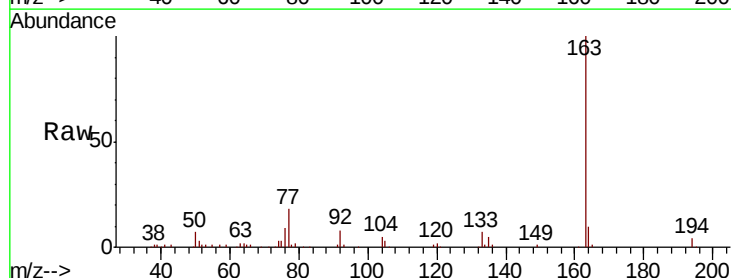
Instrument :
BNA_F
ClientSampled :
S-N

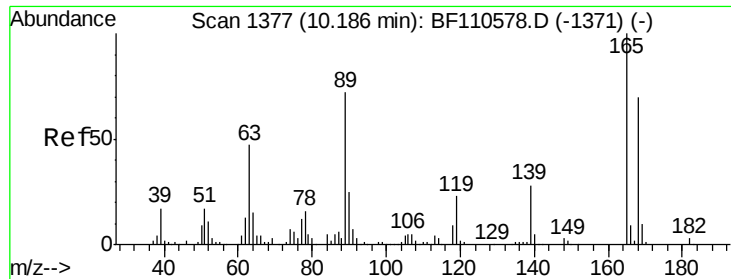
Tgt Ion:172 Resp: 725806
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.7 19.7 29.5



#50
Dimethylphthalate
Concen: 9.953 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

Tgt Ion:163 Resp: 128326
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.0 8.1 12.1

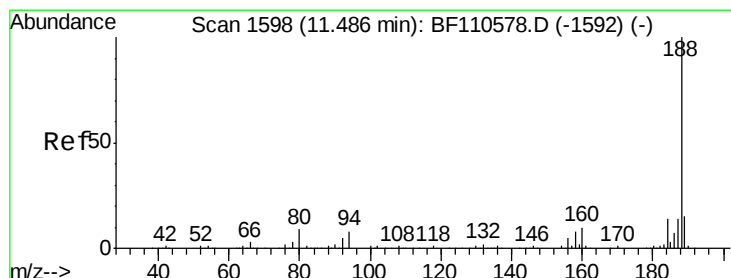
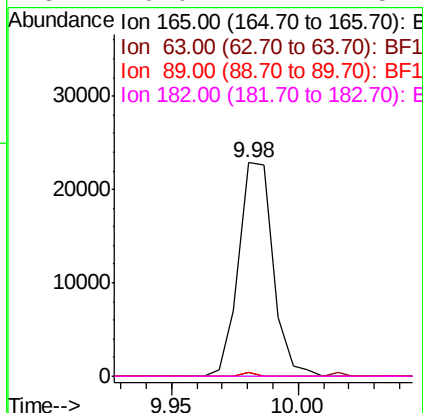
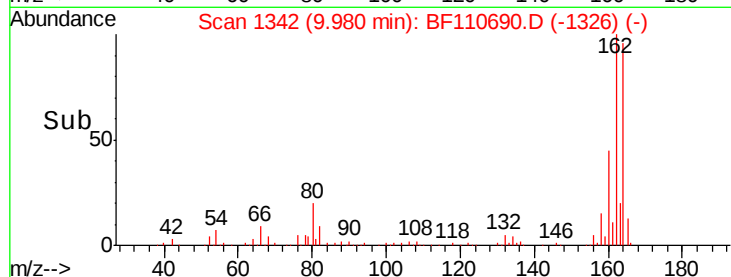
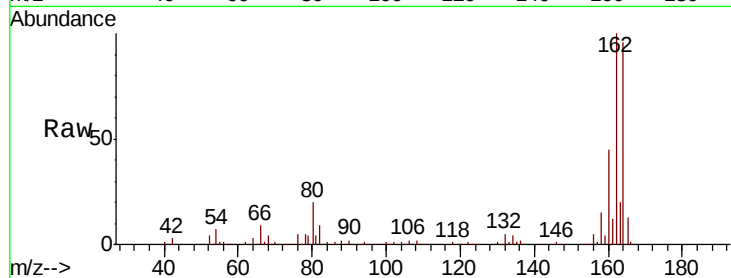




#57
 2,4-Dinitrotoluene
 Concen: 5.868 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

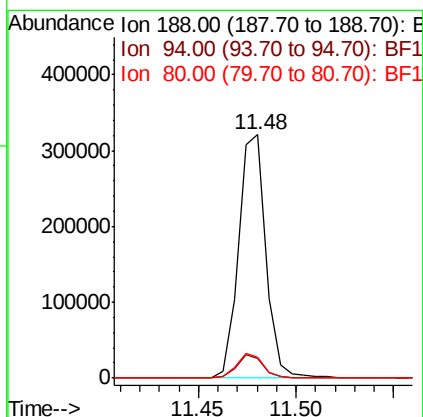
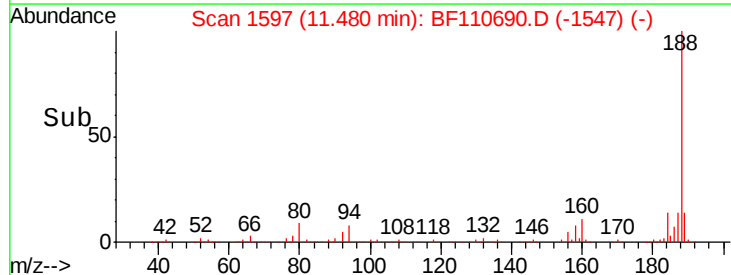
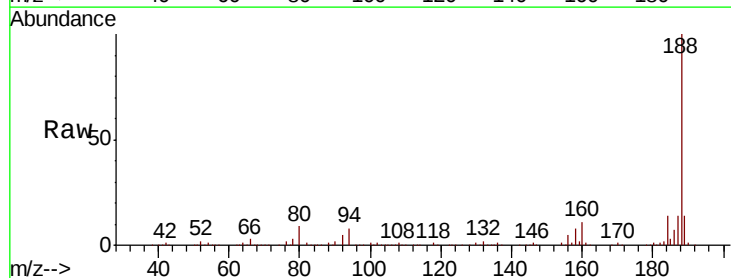
Instrument :
 BNA_F
 ClientSampleId :
 S-N

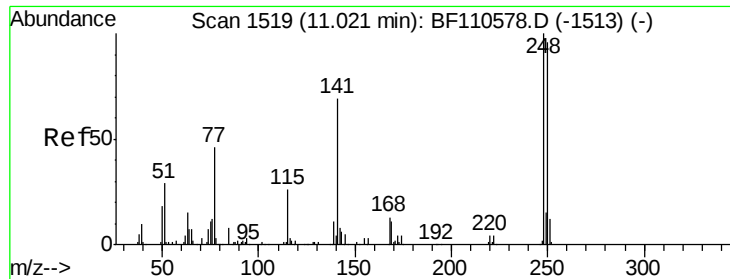
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.8	67.2#
89	1.8	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.2	10.8
80	8.7	7.9	11.9

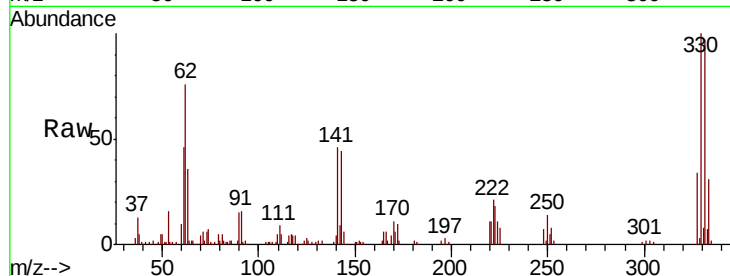




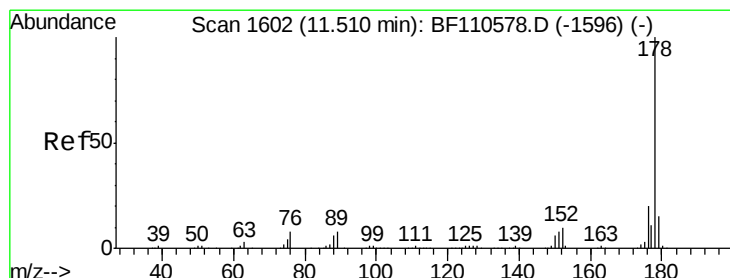
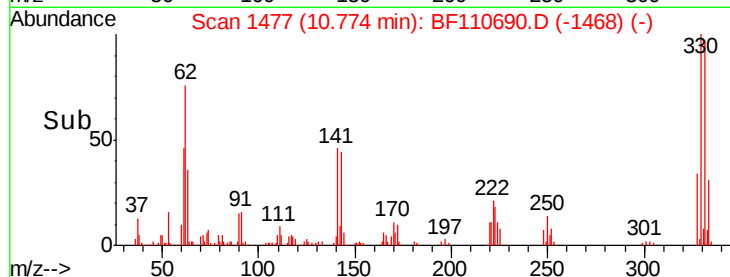
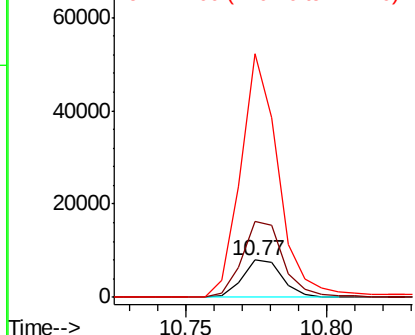
#67
4-Bromophenyl-phenylether
Concen: 2.291 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

Instrument :
BNA_F
ClientSampleId :
S-N

Tgt Ion:248 Resp: 7868
Ion Ratio Lower Upper
248 100
250 205.6 79.4 119.2#
141 654.7 55.9 83.9#

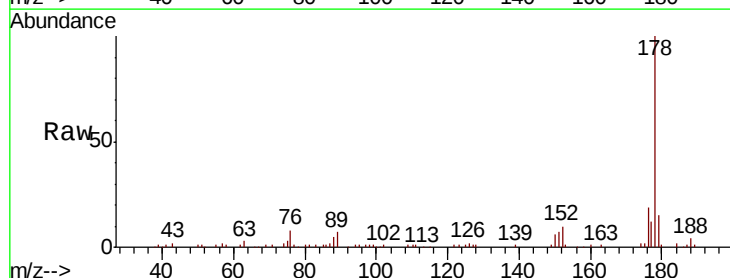


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

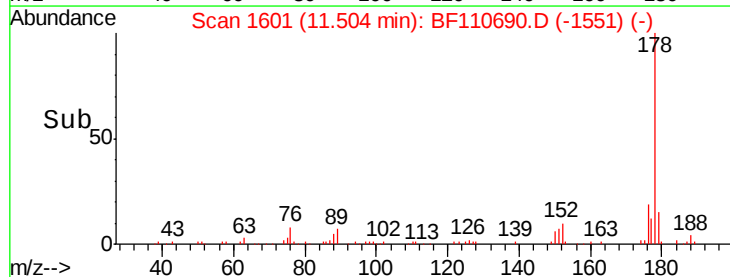
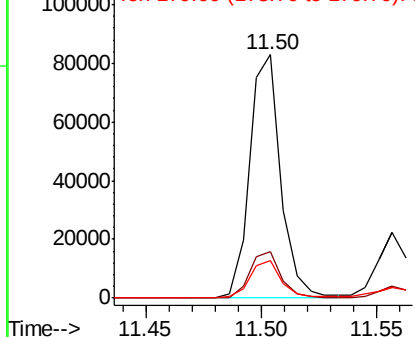


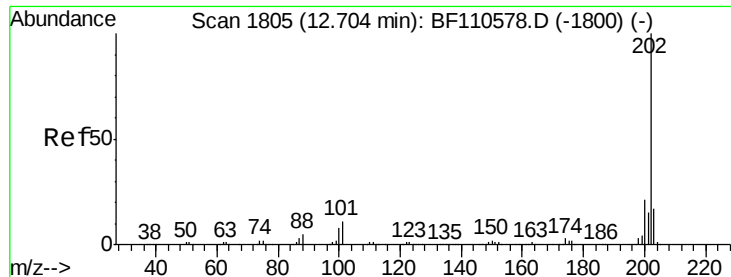
#71
Phenanthrene
Concen: 4.692 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

Tgt Ion:178 Resp: 78129
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.3 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





#75

Fluoranthene

Concen: 10.432 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110690.D

Acq: 12 Nov 2018 22:26

Instrument :

BNA_F

ClientSampleId :

S-N

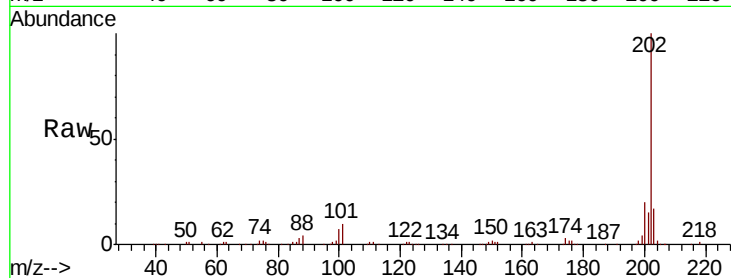
Tgt Ion:202 Resp: 174132

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.4

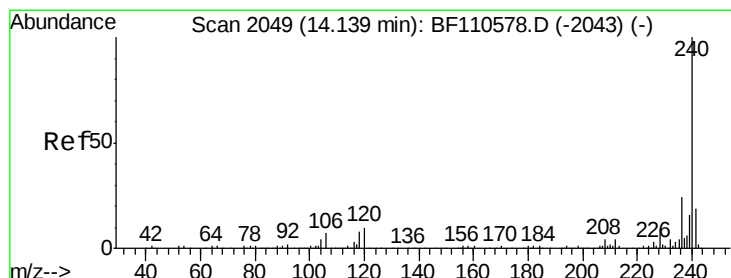
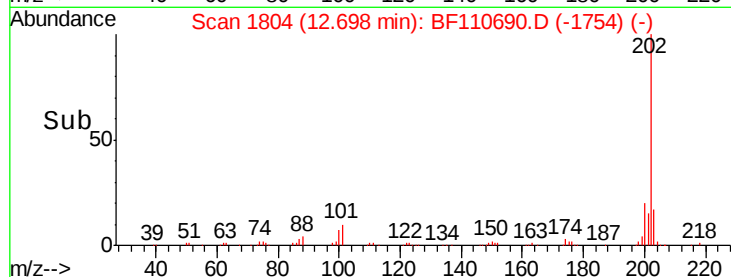
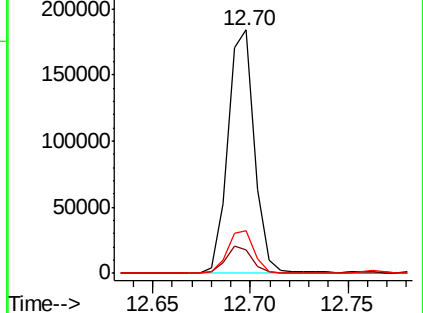
203 17.3 0.0 37.7



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: BF110690.D

Acq: 12 Nov 2018 22:26

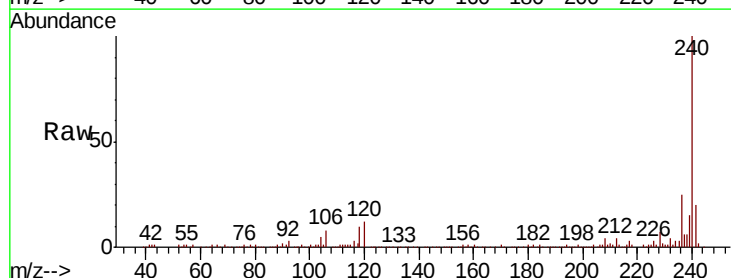
Tgt Ion:240 Resp: 177778

Ion Ratio Lower Upper

240 100

120 11.5 8.3 12.5

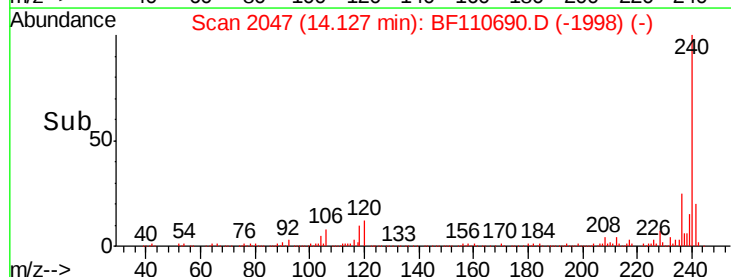
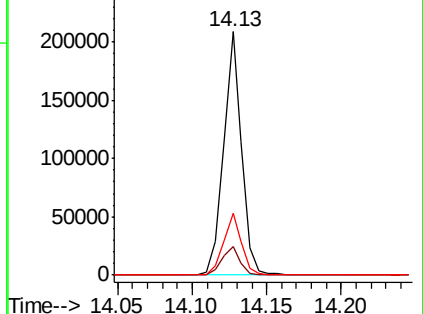
236 25.4 21.2 31.8

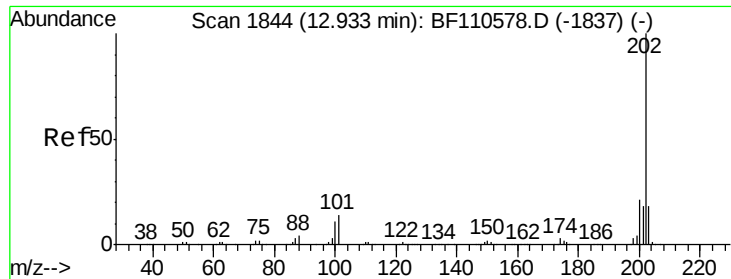


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

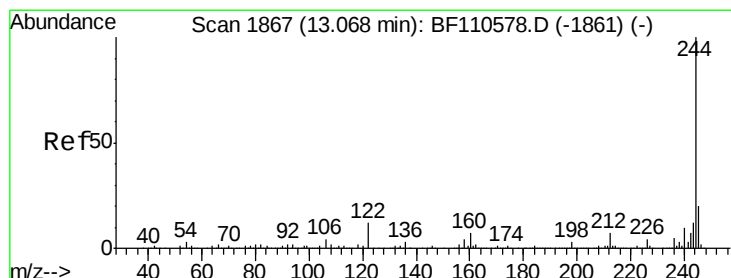
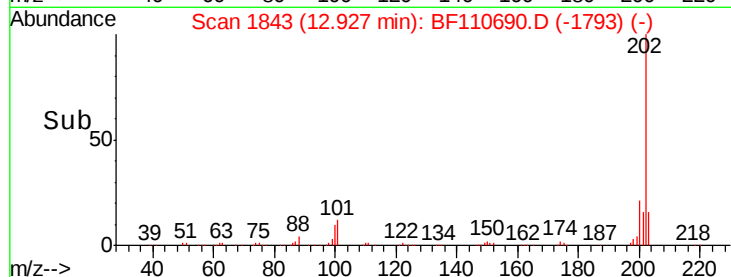
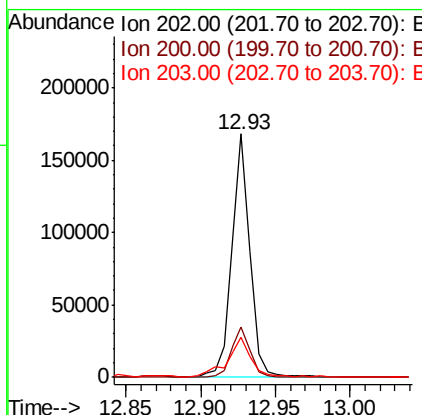
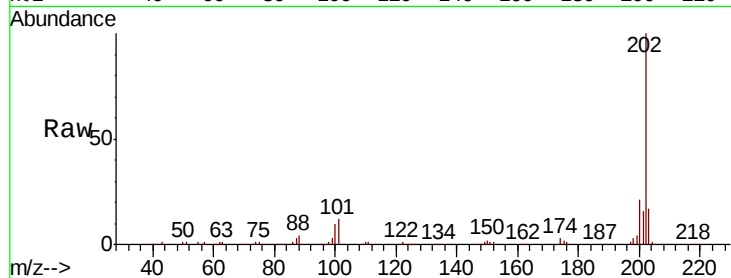




#78
 Pyrene
 Concen: 10.660 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

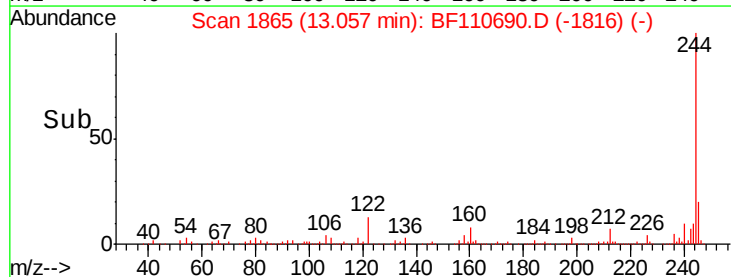
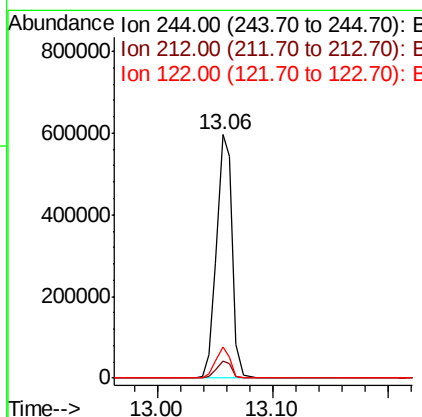
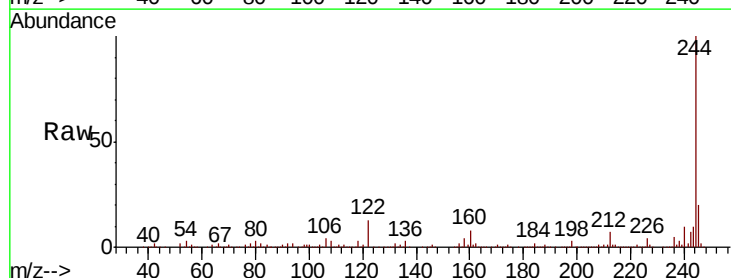
Instrument :
 BNA_F
 ClientSampleId :
 S-N

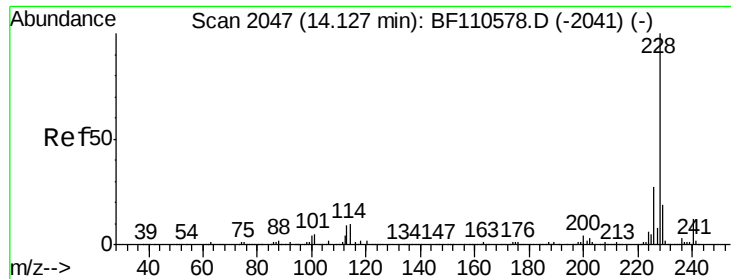
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	16.6	14.2	21.4



#79
 Terphenyl-d14
 Concen: 58.803 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	13.0	8.7	13.1

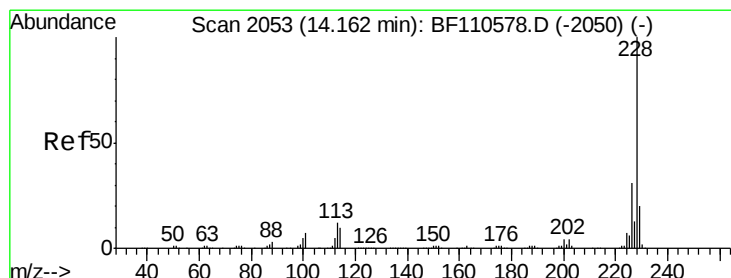
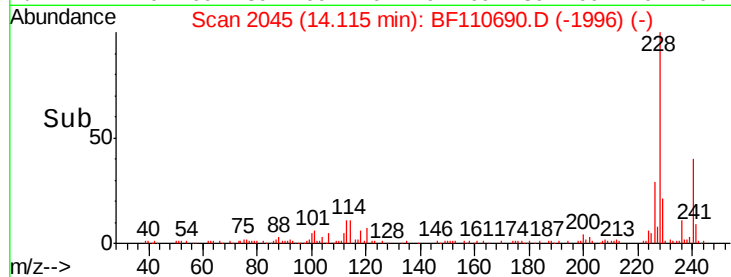
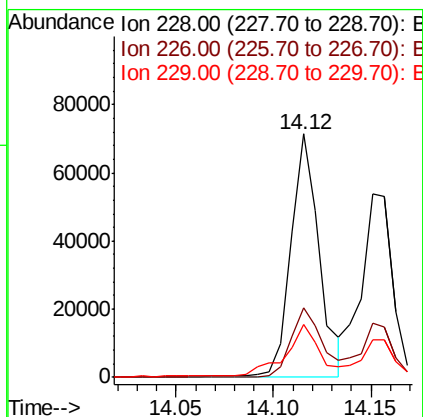
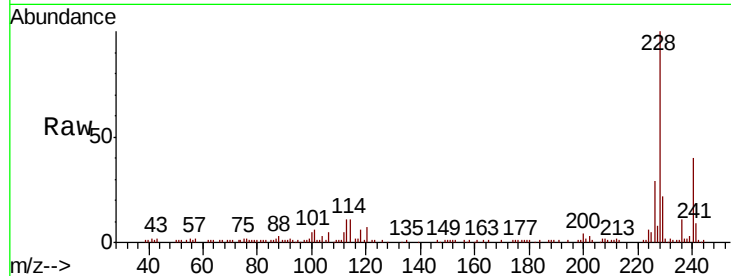




#81
Benzo(a)anthracene
Concen: 6.800 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

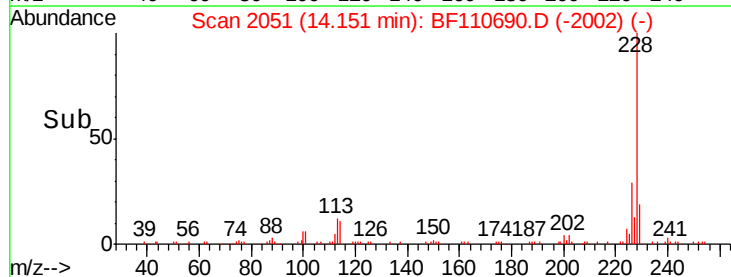
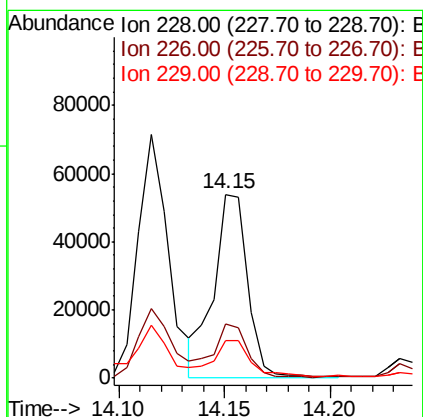
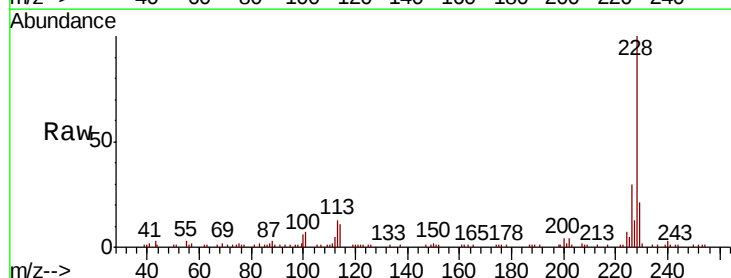
Instrument :
BNA_F
ClientSampled :
S-N

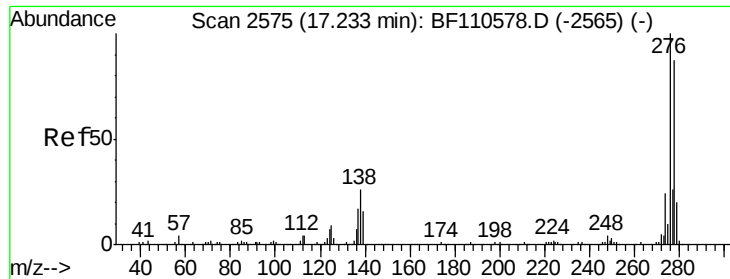
Tgt Ion:228 Resp: 72259
Ion Ratio Lower Upper
228 100
226 28.5 22.1 33.1
229 21.6 15.6 23.4



#83
Chrysene
Concen: 6.018 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

Tgt Ion:228 Resp: 60921
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 20.5 15.9 23.9

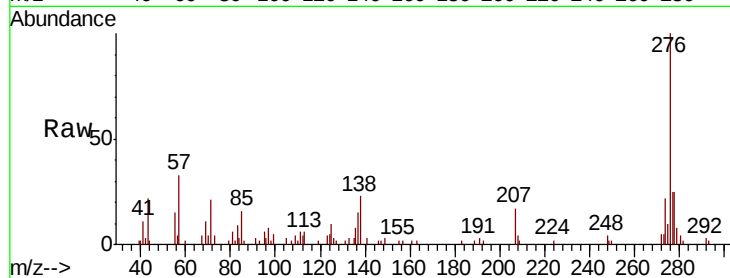




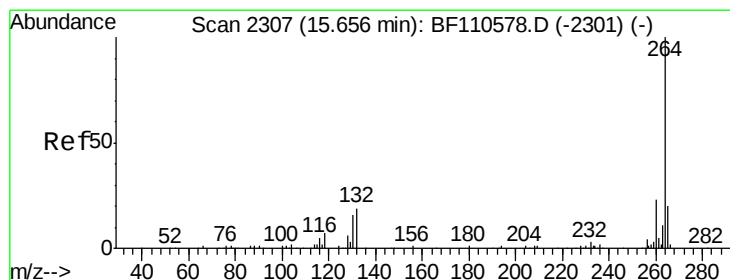
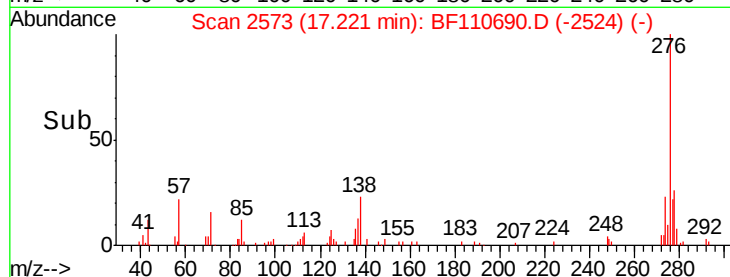
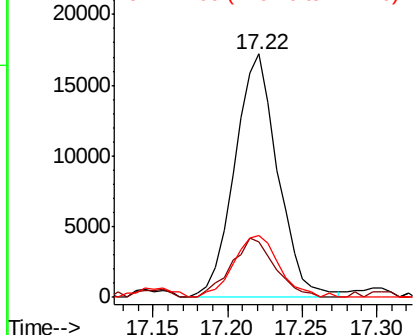
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.754 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Instrument :
 BNA_F
 ClientSampleId :
 S-N

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.5	27.7
277	26.9	20.0	30.0

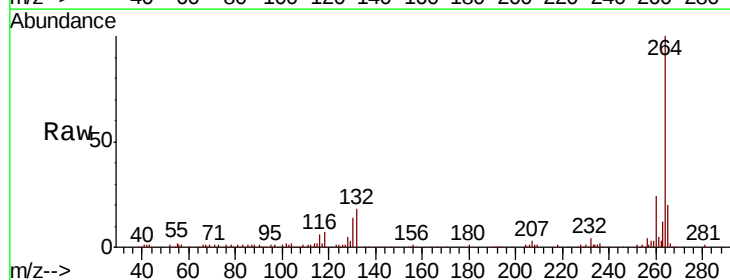


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

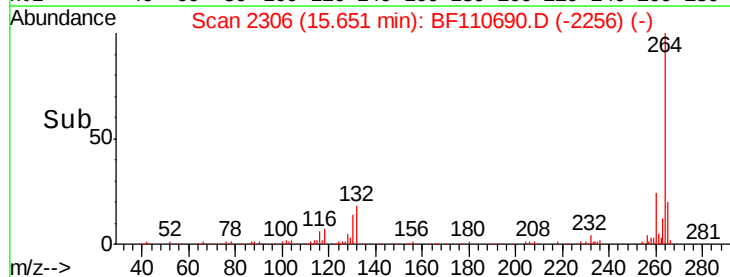
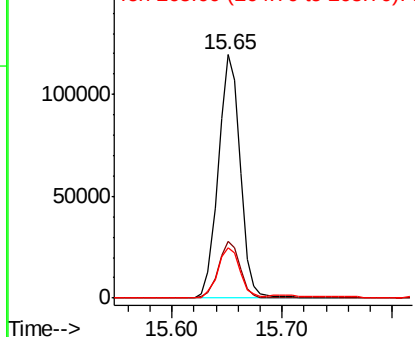


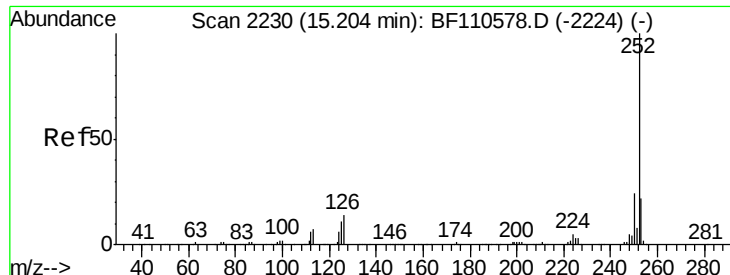
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.65 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	20.5	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

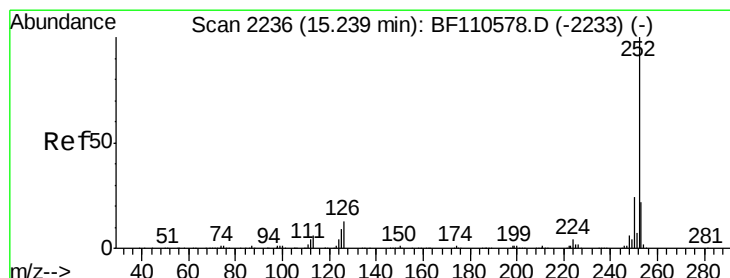
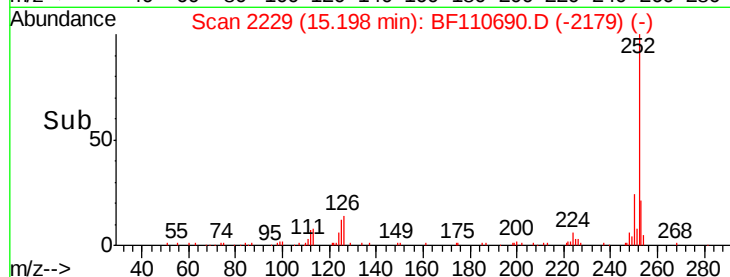
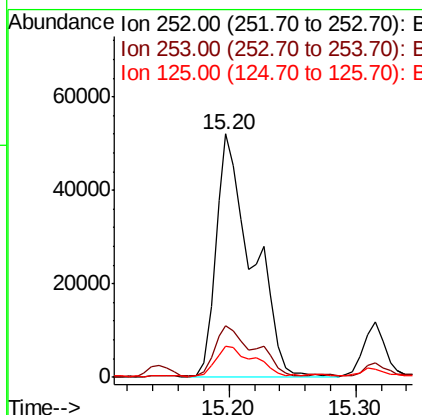
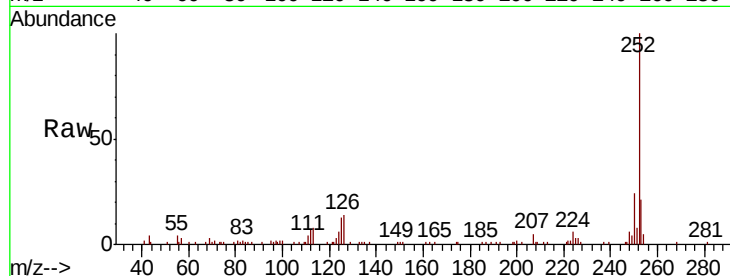




#88
Benzo(b)fluoranthene
Concen: 10.437 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

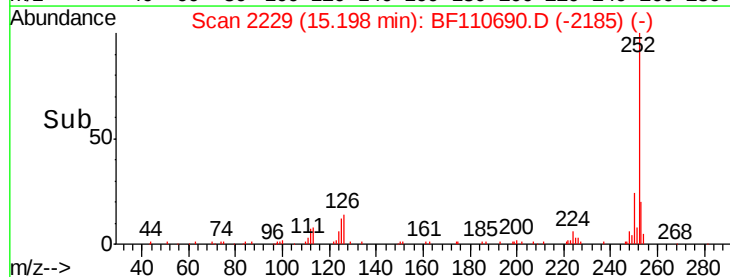
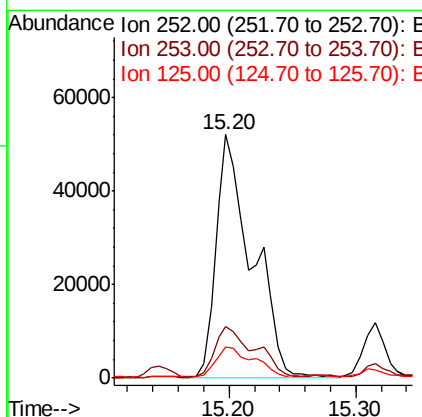
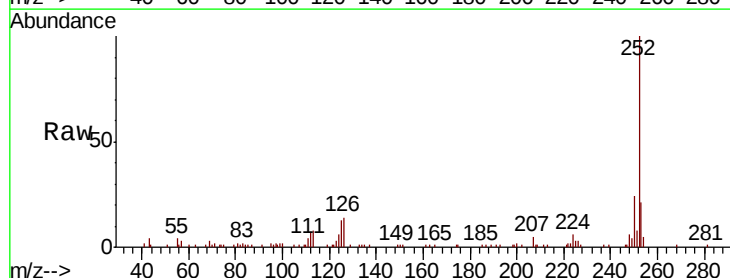
Instrument :
BNA_F
ClientSampleId :
S-N

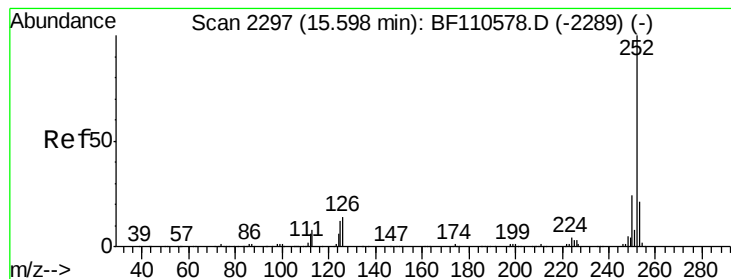
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	12.8	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 10.562 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF110690.D
Acq: 12 Nov 2018 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	12.8	7.4	11.0#





#90
 Benzo(a)pyrene
 Concen: 6.406 ng
 RT: 15.59 min Scan# 2295
 Delta R.T. -0.01 min
 Lab File: BF110690.D
 Acq: 12 Nov 2018 22:26

Instrument :
 BNA_F
 ClientSampleId :
 S-N

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	11.1	9.0	13.6

