

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111518\
 Data File : BF110805.D
 Acq On : 15 Nov 2018 22:56
 Operator : JU/SJ
 Sample : J5939-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 04:30:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

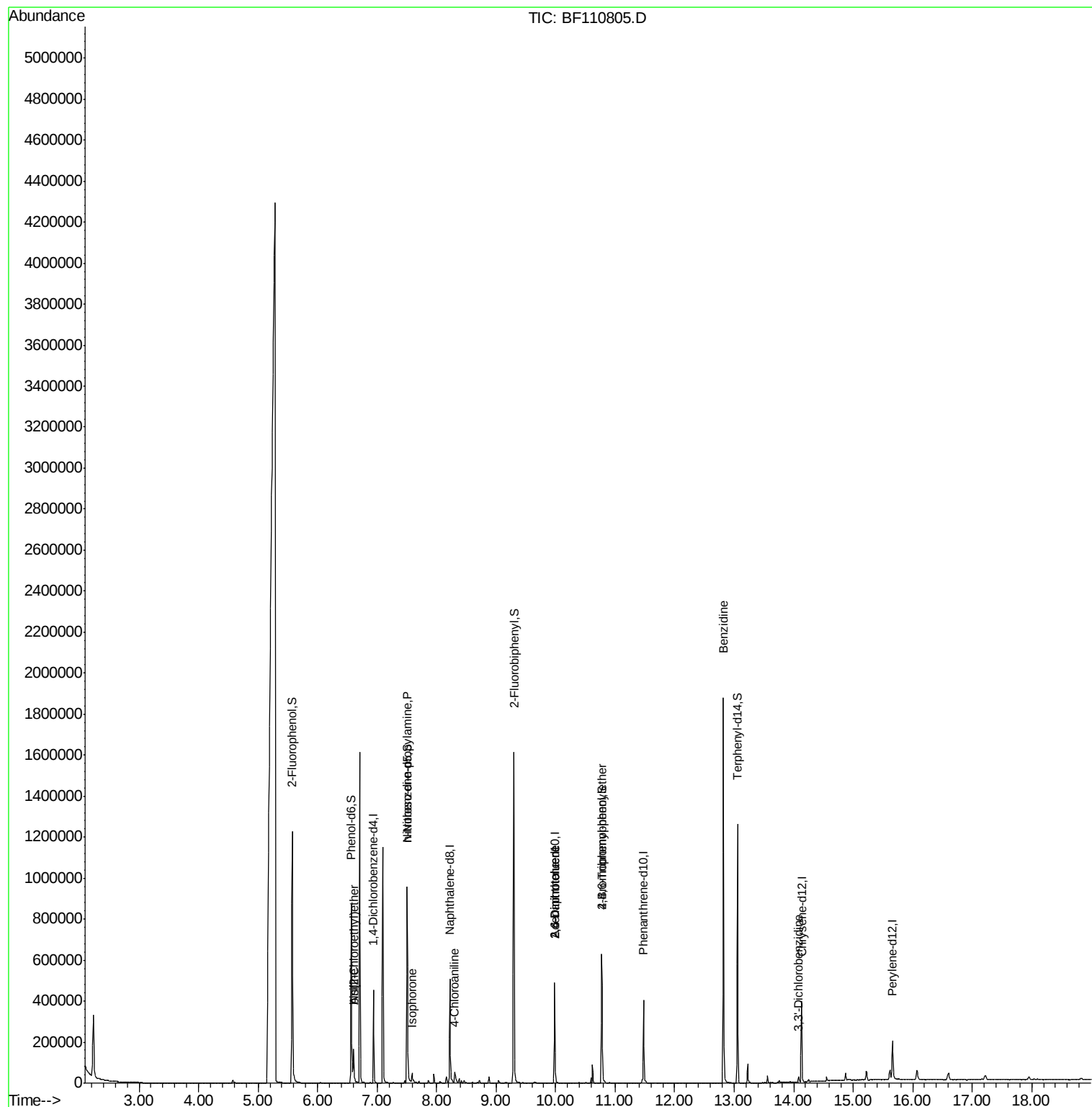
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	61853	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	248247	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	106187	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	172196	20.00	ng	0.00
76) Chrysene-d12	14.13	240	152258	20.00	ng	0.00
87) Perylene-d12	15.66	264	109412	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	332461	87.31	ng	0.01
7) Phenol-d6	6.56	99	304777	62.59	ng	-0.01
23) Nitrobenzene-d5	7.50	82	290380	67.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	79149	73.97	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	553949	74.50	ng	0.00
79) Terphenyl-d14	13.06	244	437674	53.83	ng	0.00
Target Compounds						
6) Aniline	6.60	93	50637	7.974	ng	# 55
9) Benzaldehyde	6.60	77	612	Below Cal		# 1
11) bis(2-Chloroethyl)ether	6.60	93	50637	11.967	ng	# 27
19) n-Nitroso-di-n-propylamine	7.50	70	38793	12.480	ng	# 80
25) Isophorone	7.59	82	14586	2.064	ng	# 67
33) 4-Chloroaniline	8.31	127	28939	5.482	ng	# 94
51) 2,6-Dinitrotoluene	9.98	165	13696	7.858	ng	# 22
57) 2,4-Dinitrotoluene	9.98	165	13696	6.043	ng	# 19
67) 4-Bromophenyl-phenylether	10.77	248	4831	2.538	ng	# 1
77) Benzidine	12.82	184	751612	179.505	ng	# 96
82) 3,3'-Dichlorobenzidine	14.08	252	8636	2.833	ng	# 94

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

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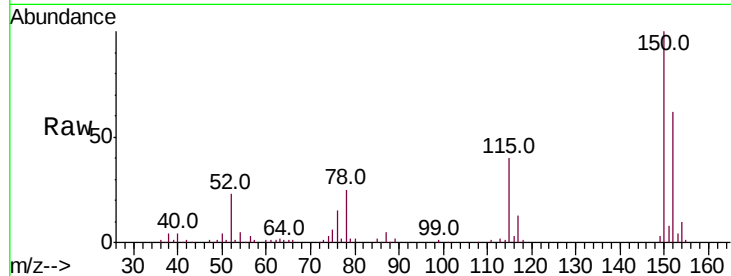


#1

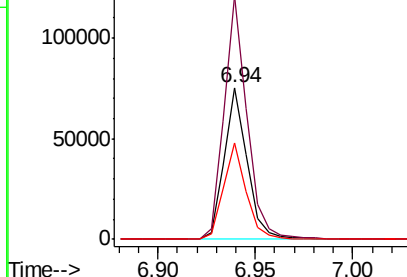
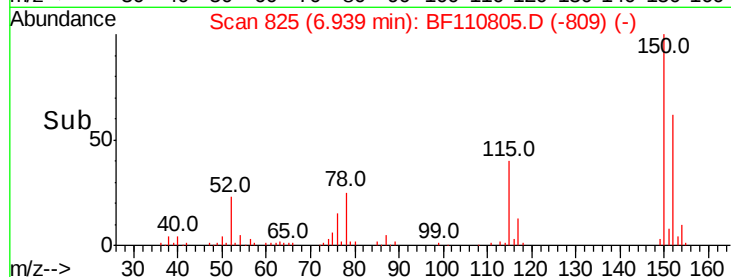
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61853
Ion Ratio Lower Upper
152 100
150 160.1 122.7 184.1
115 63.6 49.1 73.7



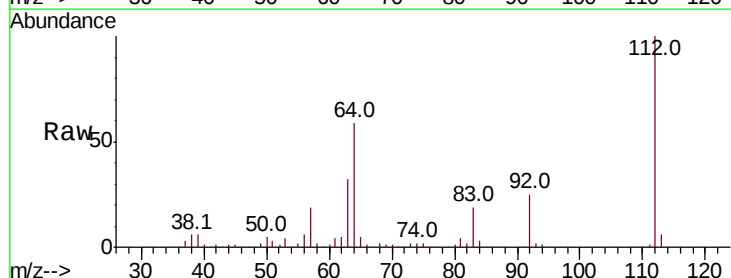
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



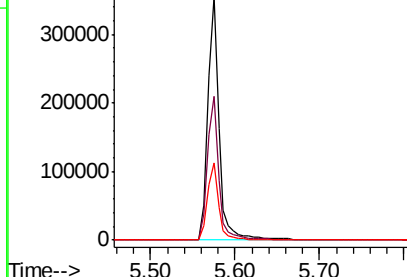
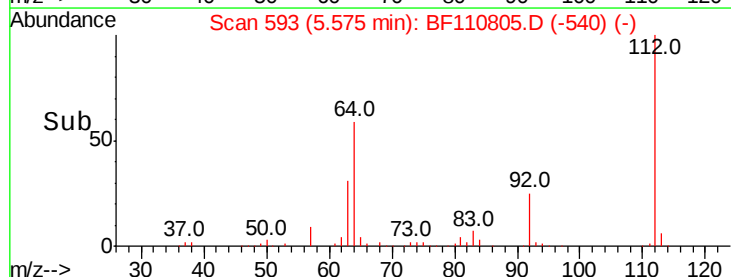
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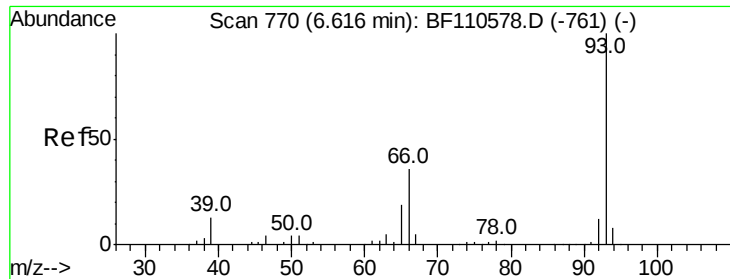
2-Fluorophenol
Concen: 87.307 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Tgt Ion:112 Resp: 332461
Ion Ratio Lower Upper
112 100
64 59.0 44.1 66.1
63 31.9 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

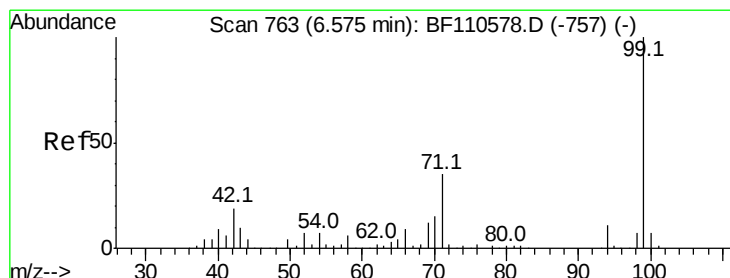
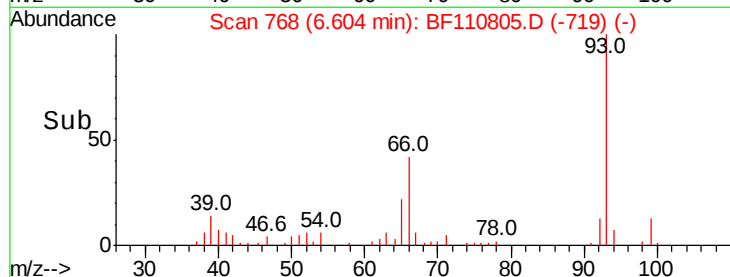
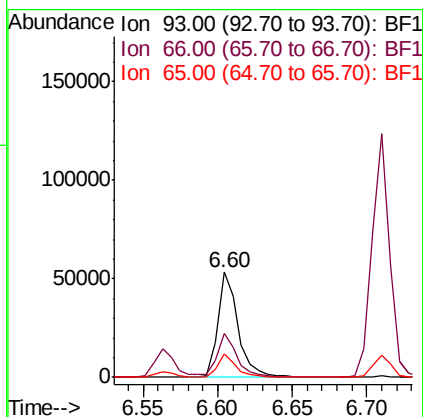
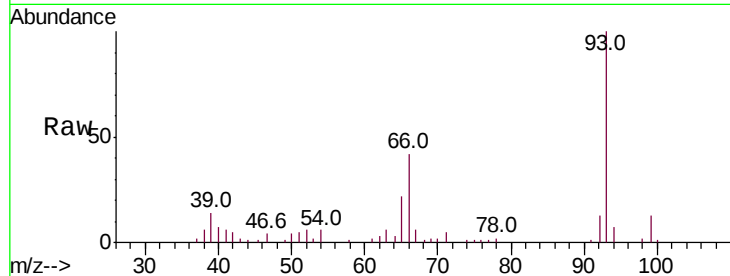




#6
Aniline
Concen: 7.974 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

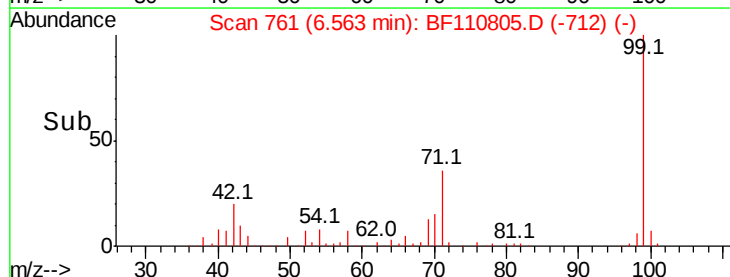
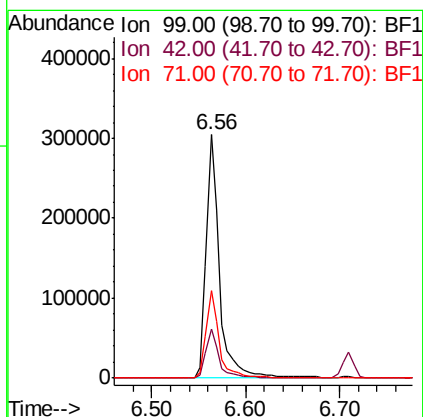
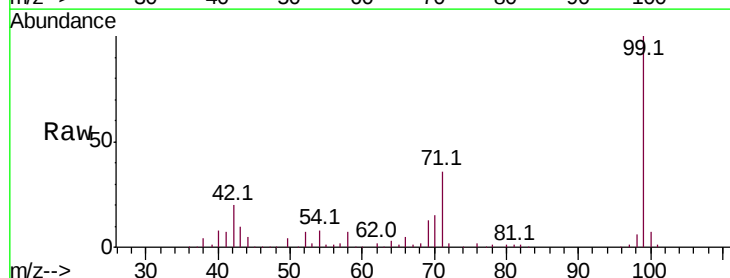
Instrument :
BNA_F
ClientSampleId :

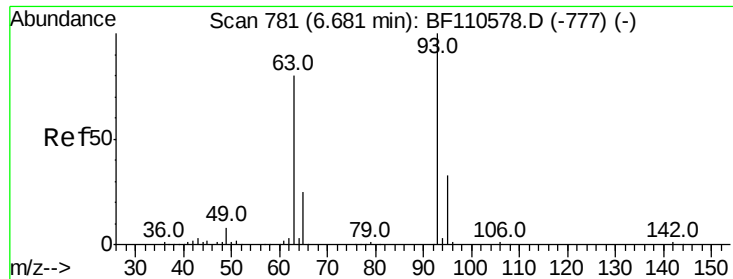
Tot Ion: 93 Resp: 50637
Ion Ratio Lower Upper
93 100
66 41.6 67.4 101.0#
65 22.1 41.0 61.4#



#7
Phenol-d6
Concen: 62.590 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Tgt Ion: 99 Resp: 304777
Ion Ratio Lower Upper
99 100
42 20.1 15.8 23.6
71 36.1 28.0 42.0

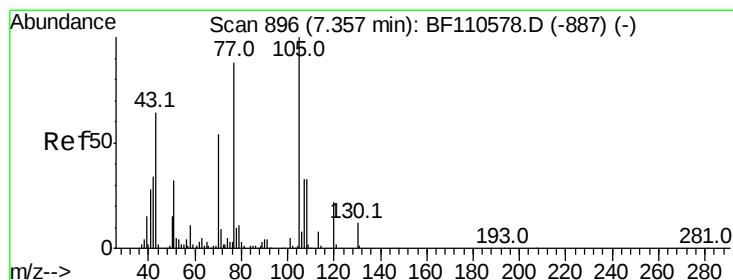
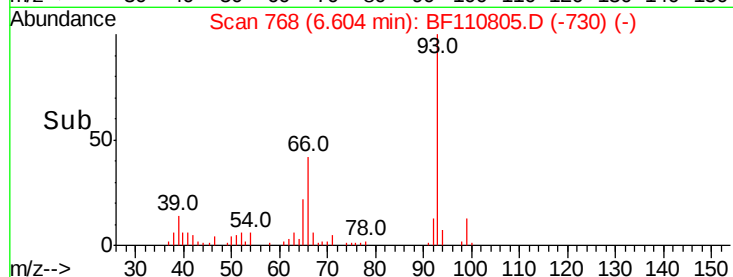
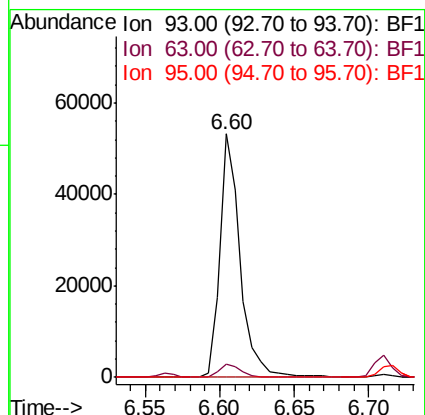
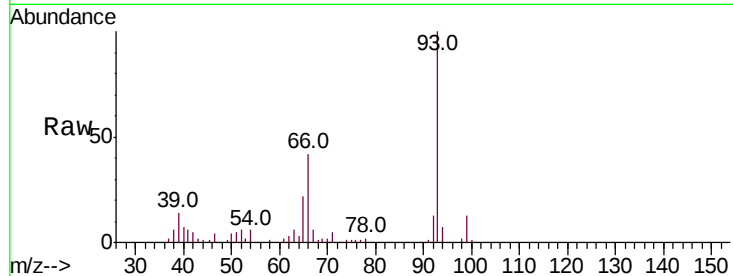




#11
bis(2-Chloroethyl)ether
Concen: 11.967 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.08 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

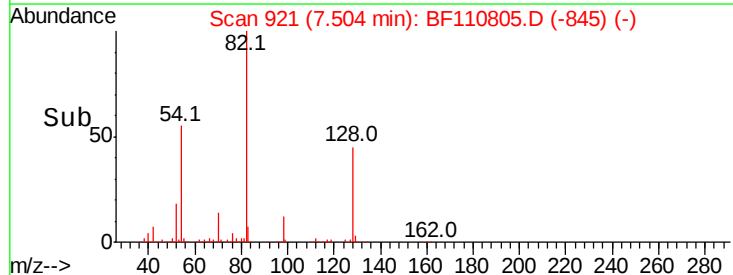
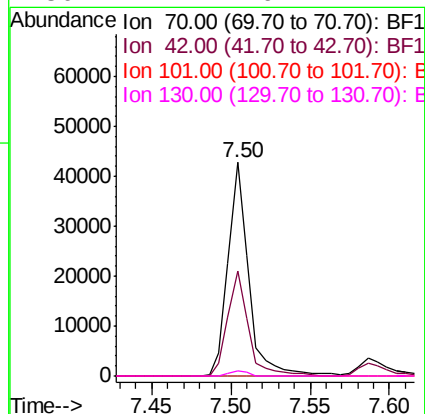
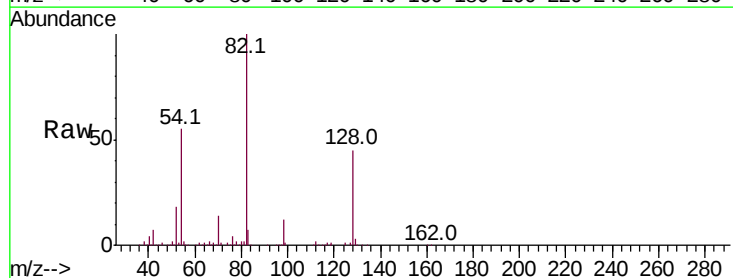
Instrument :
BNA_F
ClientSampleId :

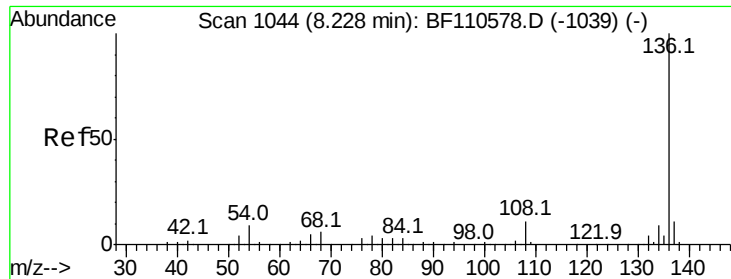
Tot Ion: 93 Resp: 50637
Ion Ratio Lower Upper
93 100
63 5.6 53.4 93.4#
95 0.0 12.1 52.1#



#19
n-Nitroso-di-n-propylamine
Concen: 12.480 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Tgt Ion: 70 Resp: 38793
Ion Ratio Lower Upper
70 100
42 49.4 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#

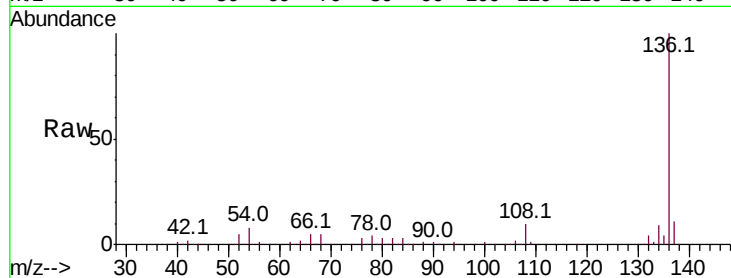




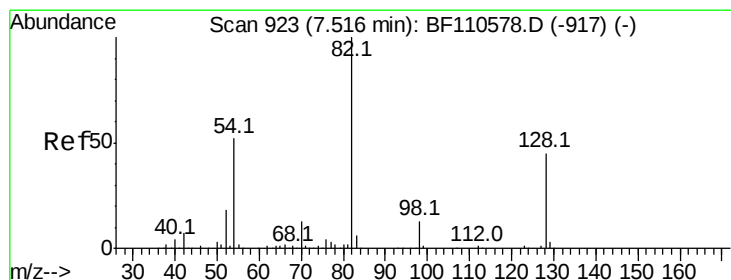
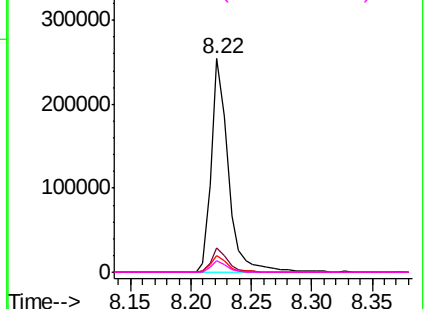
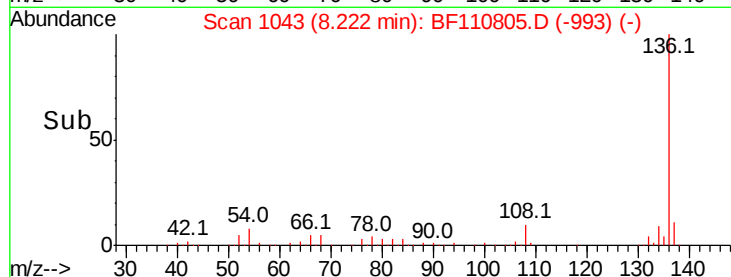
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	248247
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.7	5.4	8.2
68	5.2	4.2	6.2

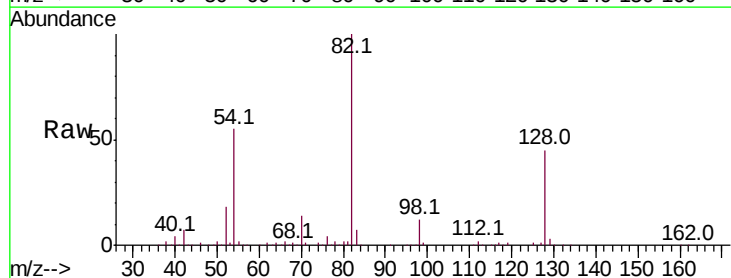


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

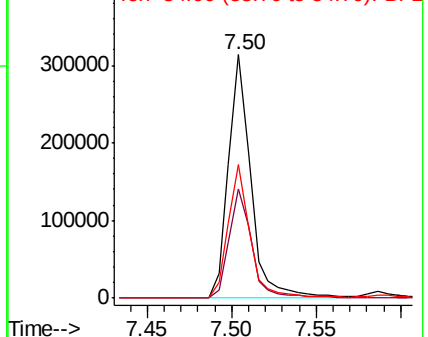
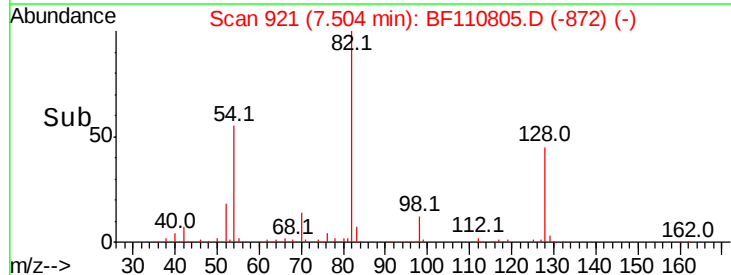


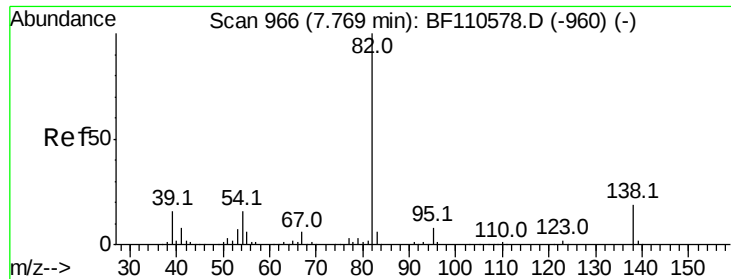
#23
Nitrobenzene-d5
Concen: 67.364 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Tgt Ion:	82	Resp:	290380
Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.2	51.2
54	54.6	38.6	58.0



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





#25

Isophorone

Concen: 2.064 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.18 min

Lab File: BF110805.D

Acq: 15 Nov 2018 22:56

Instrument :

BNA_F

ClientSampled :

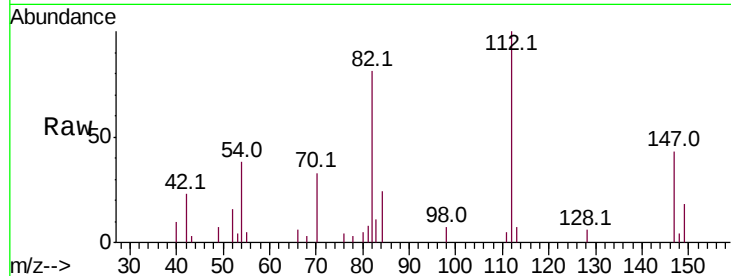
Tot Ion: 82 Resp: 14586

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

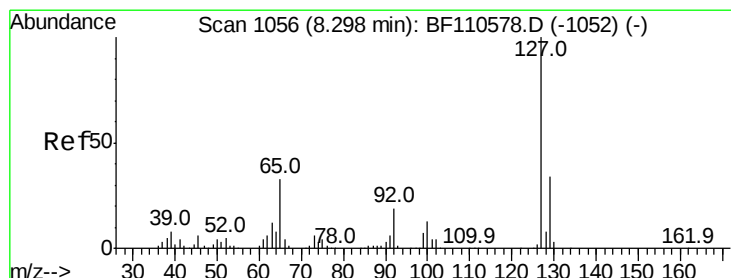
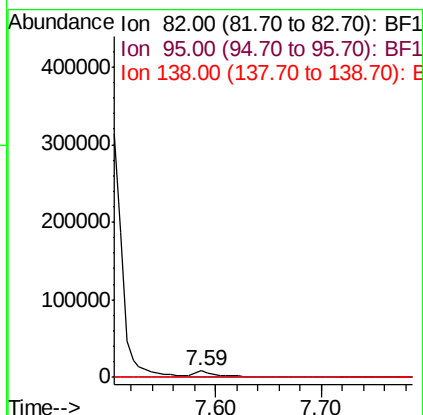
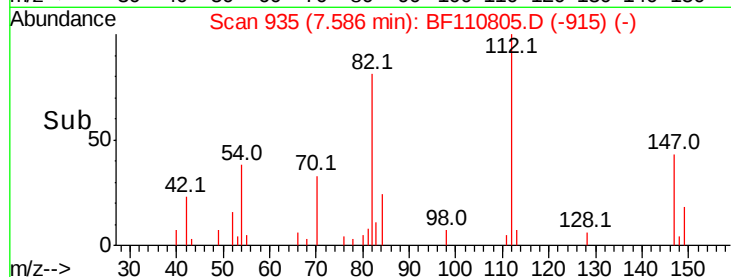
138 0.0 13.2 19.8#



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



#33

4-Chloroaniline

Concen: 5.482 ng

RT: 8.31 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF110805.D

Acq: 15 Nov 2018 22:56

Tgt Ion: 127 Resp: 28939

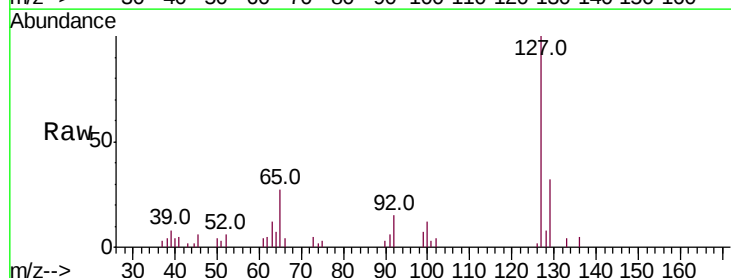
Ion Ratio Lower Upper

127 100

129 32.2 26.0 39.0

65 26.7 25.1 37.7

92 14.5 15.0 22.6#

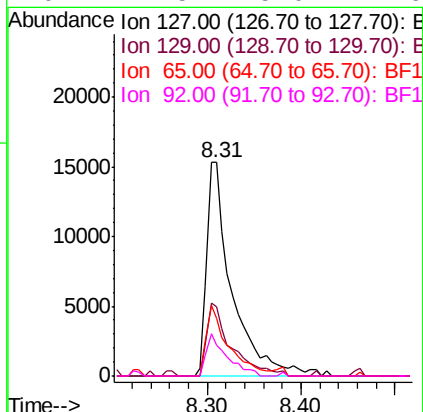
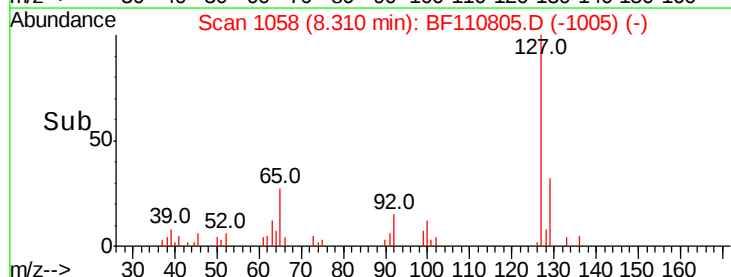


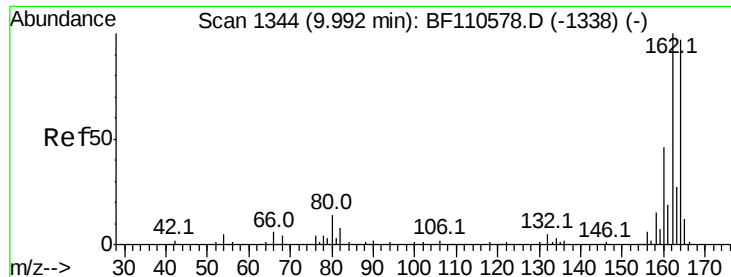
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

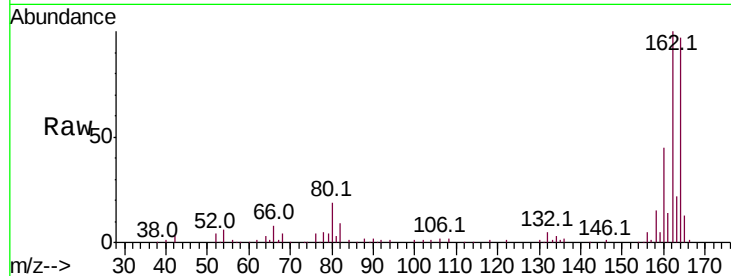




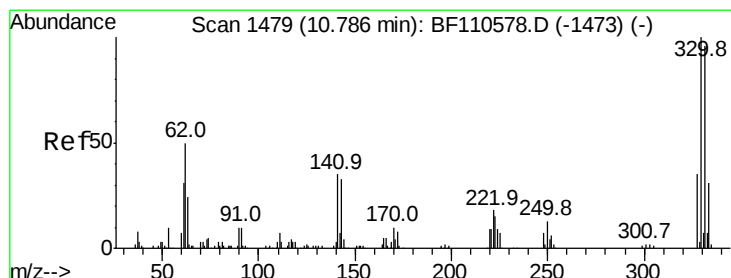
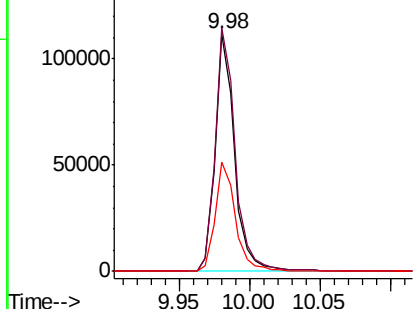
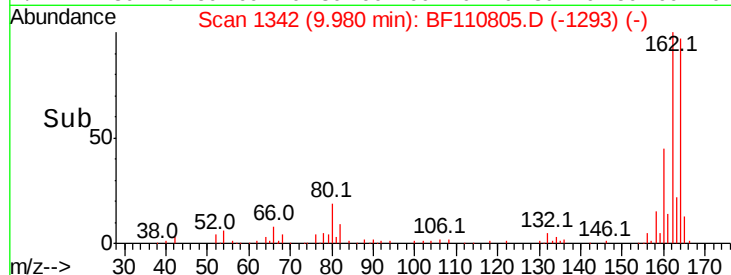
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.0	124.6
160	46.1	37.0	55.6

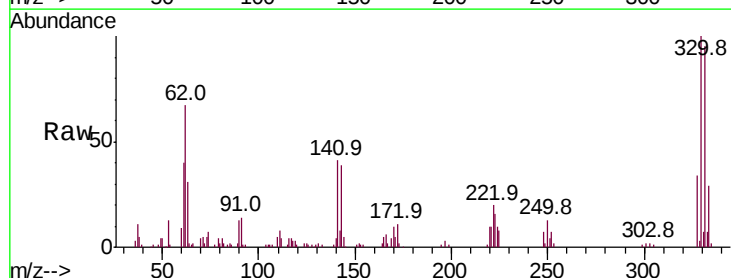


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

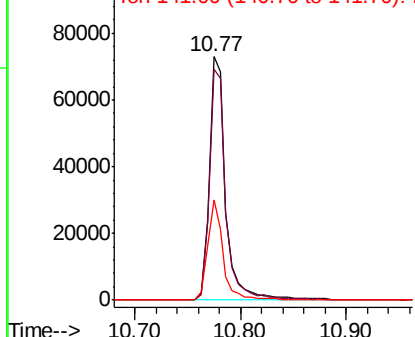
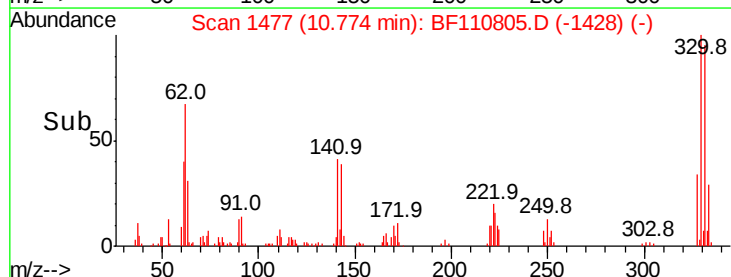


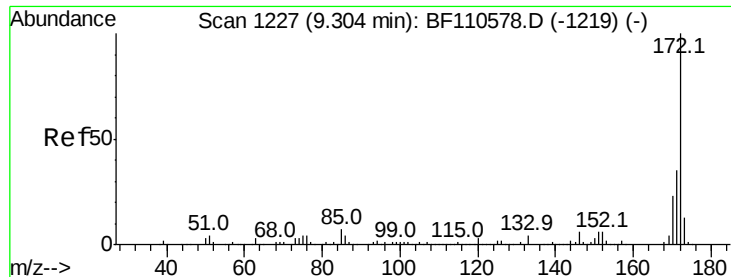
#42
2,4,6-Tribromophenol
Concen: 73.973 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110805.D
Acq: 15 Nov 2018 22:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	38.0	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

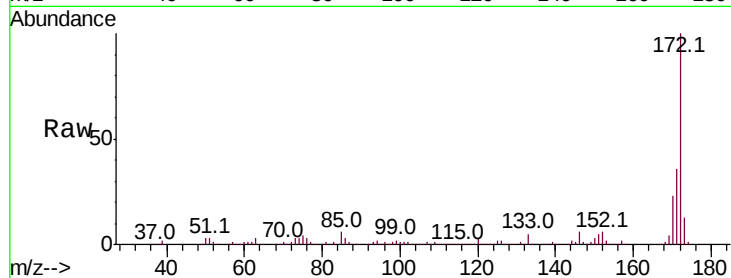




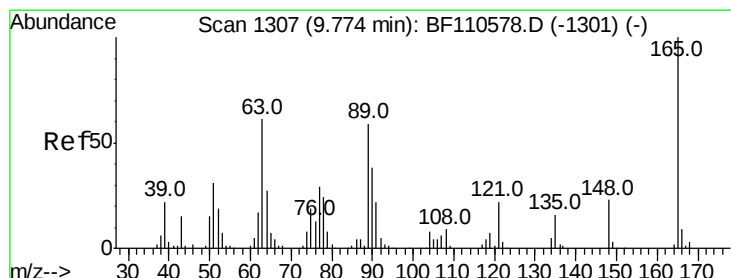
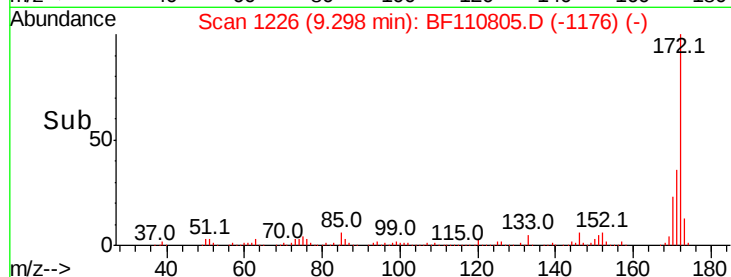
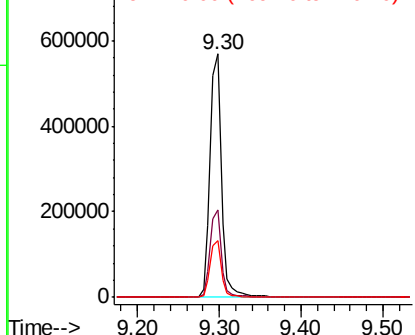
#45
 2-Fluorobiphenyl
 Concen: 74.504 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.3	19.7	29.5

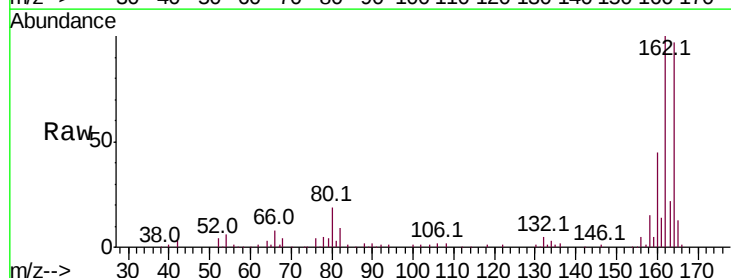


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

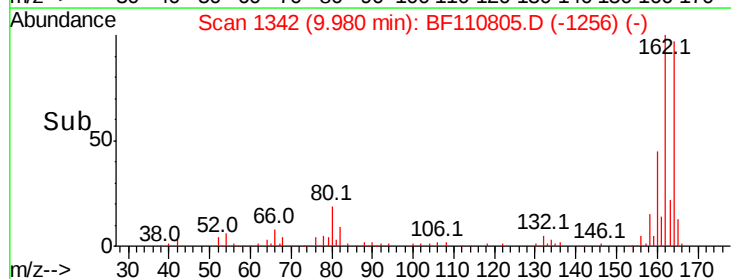
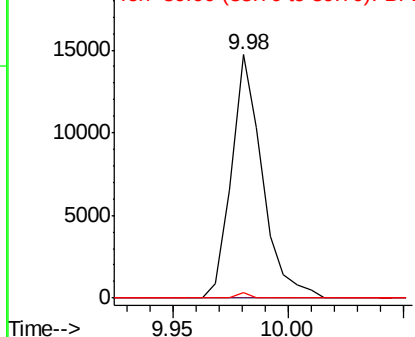


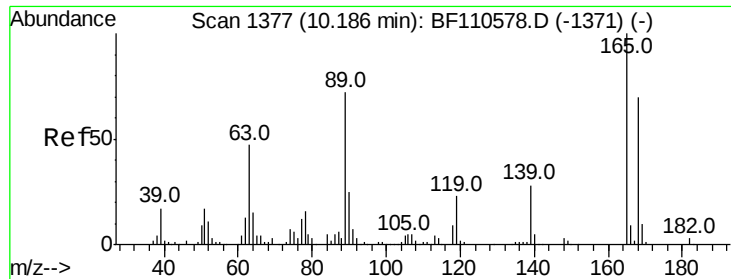
#51
 2,6-Dinitrotoluene
 Concen: 7.858 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.1	46.6	69.8#



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

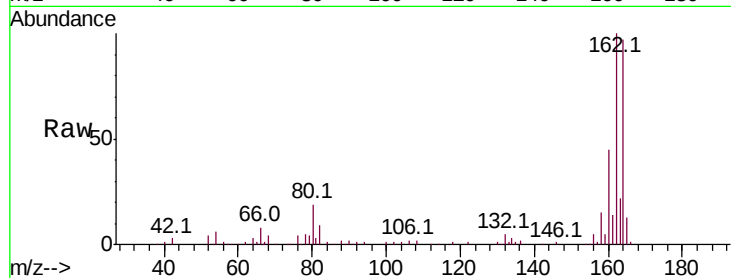




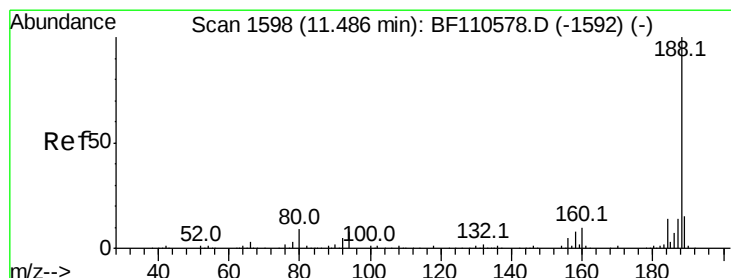
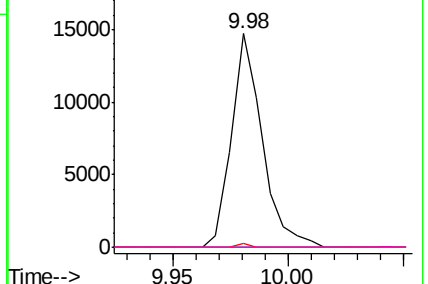
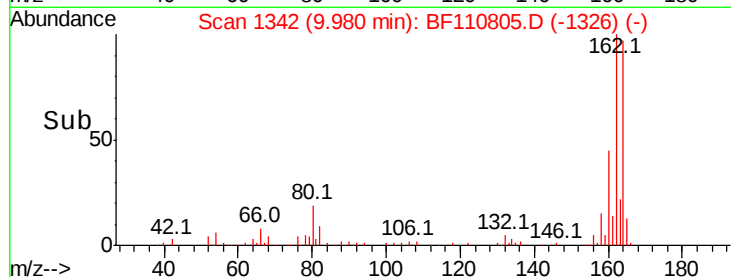
#57
 2,4-Dinitrotoluene
 Concen: 6.043 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	13696
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.8 67.2#
89	2.1	62.2 93.4#
182	0.0	2.1 3.1#

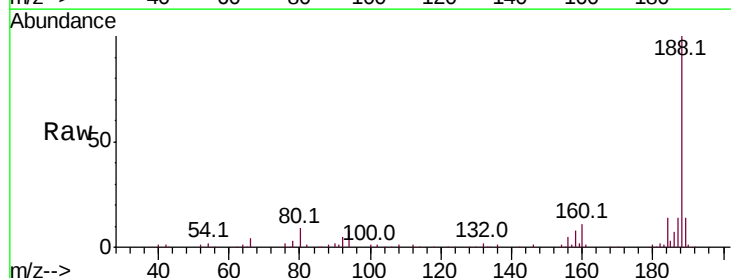


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

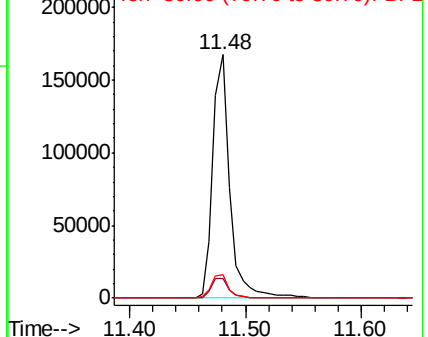
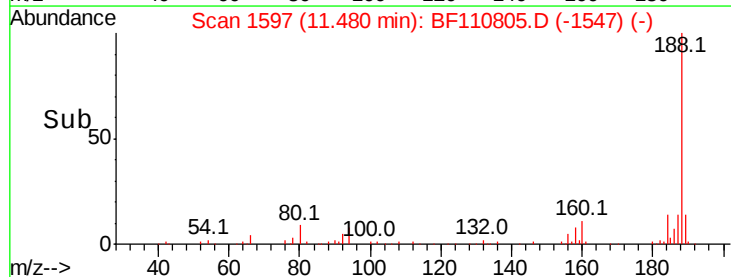


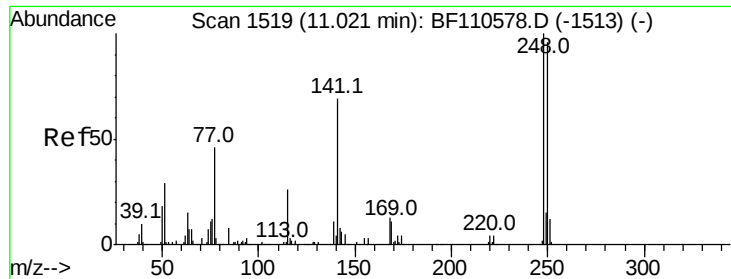
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Tgt Ion:188	Resp:	172196
Ion Ratio	Lower	Upper
188	100	
94	8.1	7.2 10.8
80	9.5	7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

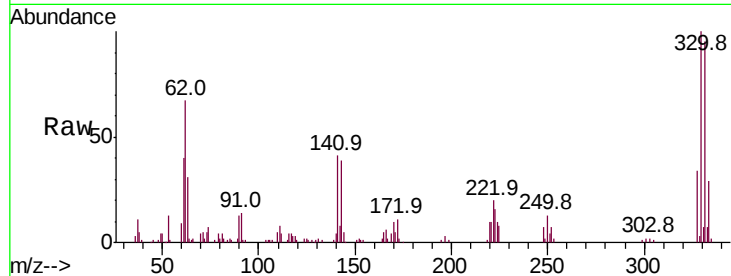




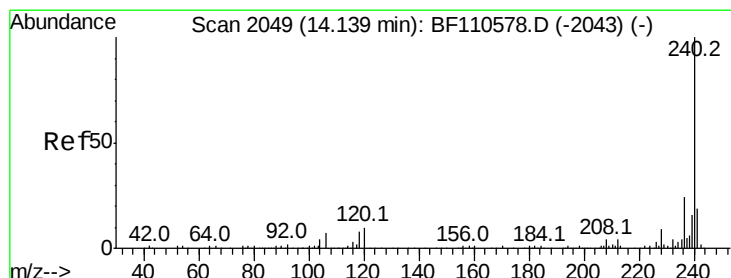
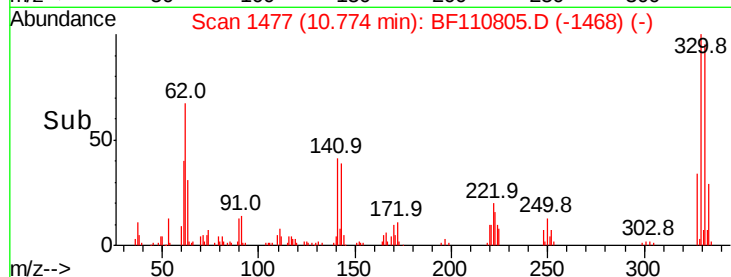
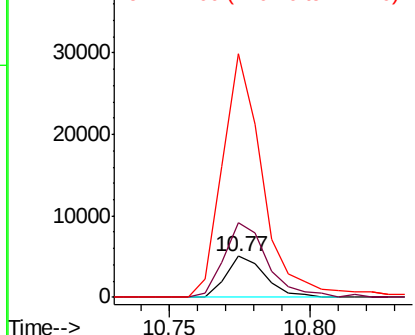
#67
 4-Bromophenyl-phenylether
 Concen: 2.538 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4831
 Ion Ratio Lower Upper
 248 100
 250 181.7 79.4 119.2#
 141 591.4 55.9 83.9#

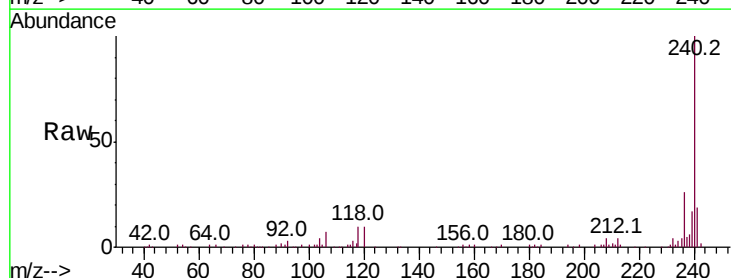


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

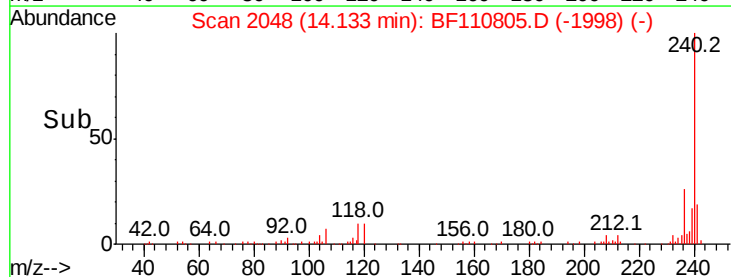
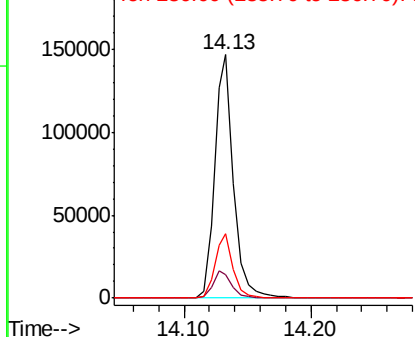


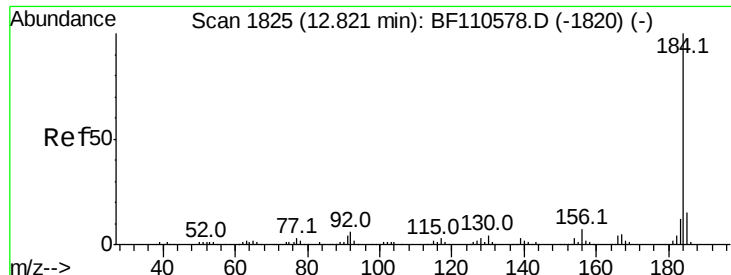
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Tgt Ion:240 Resp: 152258
 Ion Ratio Lower Upper
 240 100
 120 9.5 8.3 12.5
 236 26.4 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





#77

Benzidine

Concen: 179.505 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF110805.D

Acq: 15 Nov 2018 22:56

Instrument :

BNA_F

ClientSampled :

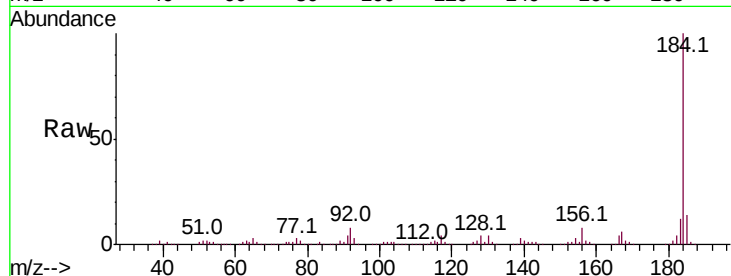
Tot Ion:184 Resp: 751612

Ion Ratio Lower Upper

184 100

185 14.1 13.4 20.2

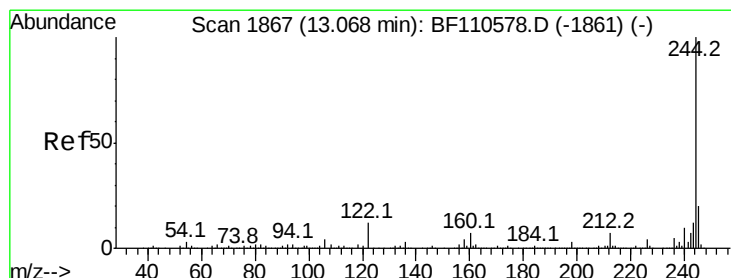
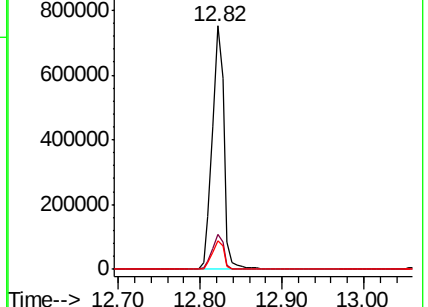
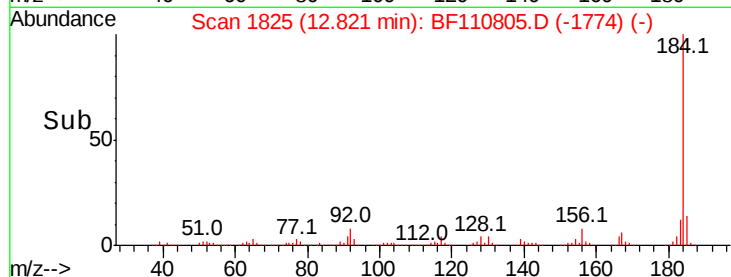
183 11.9 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 53.834 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110805.D

Acq: 15 Nov 2018 22:56

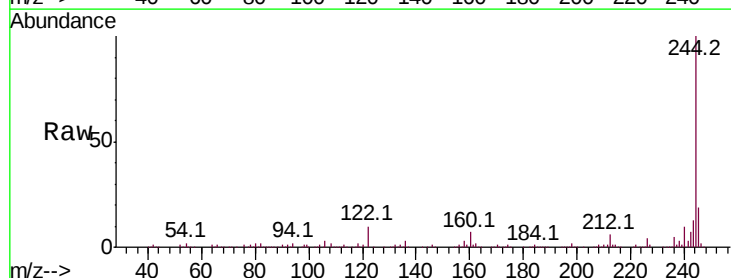
Tgt Ion:244 Resp: 437674

Ion Ratio Lower Upper

244 100

212 6.2 5.8 8.8

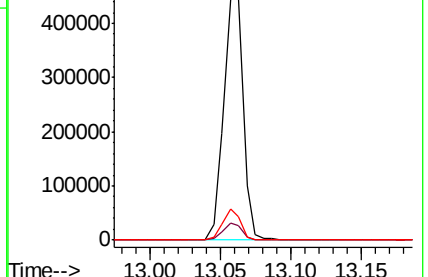
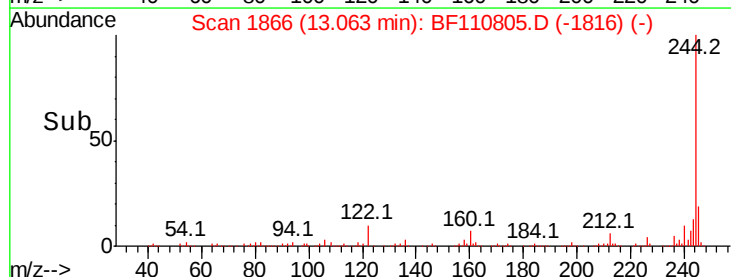
122 9.7 8.7 13.1

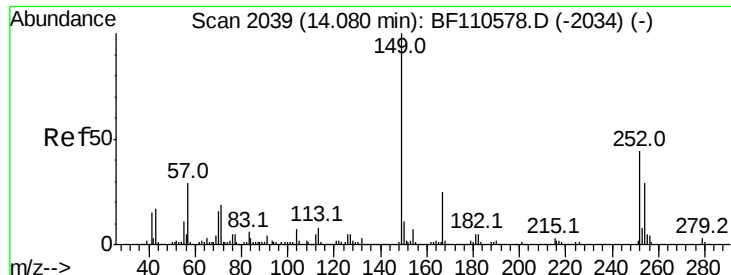


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

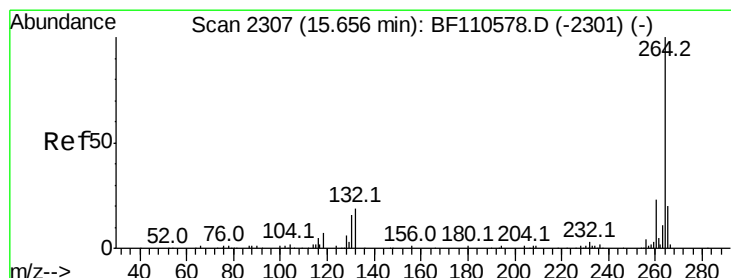
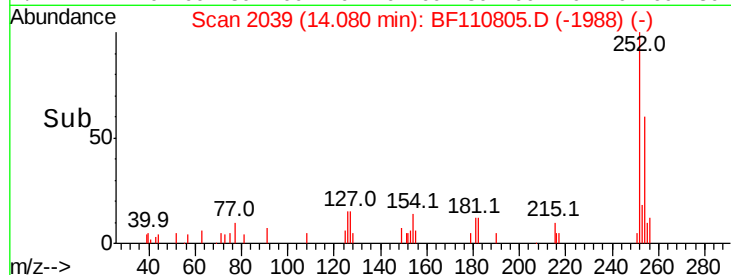
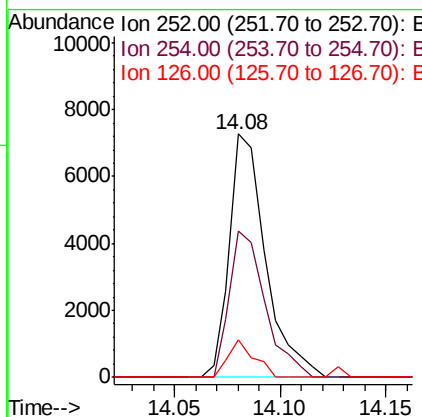
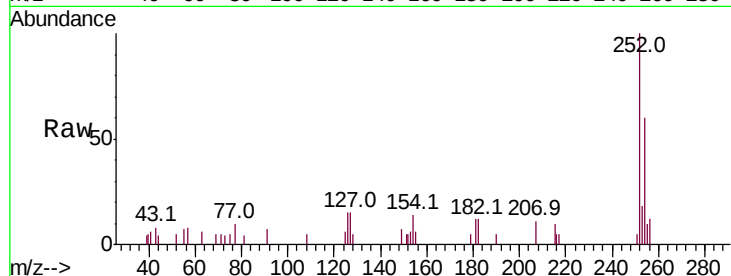




#82
 3,3'-Dichlorobenzidine
 Concen: 2.833 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. 0.00 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
254	60.0	51.3	76.9
126	15.2	9.4	14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BF110805.D
 Acq: 15 Nov 2018 22:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	20.5	16.7	25.1

