

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
 Data File : BF110767.D
 Acq On : 14 Nov 2018 16:33
 Operator : JU/SJ
 Sample : J5930-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 17:34:03 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

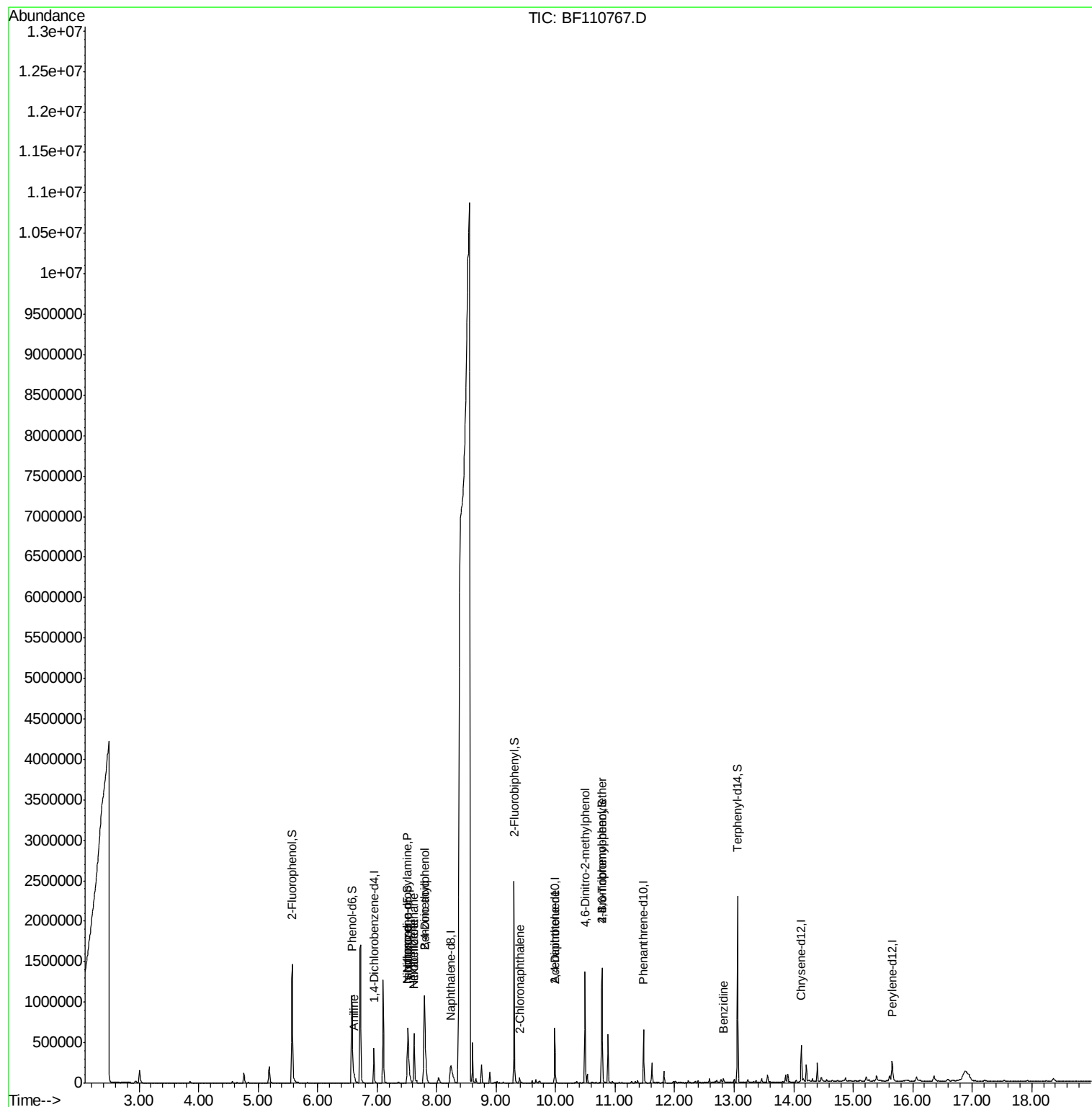
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	72447	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	301603	20.00	ng	0.01
39) Acenaphthene-d10	9.99	164	132778	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	265282	20.00	ng	0.00
76) Chrysene-d12	14.13	240	162805	20.00	ng	-0.01
87) Perylene-d12	15.66	264	139490	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	467580	104.83	ng	0.01
7) Phenol-d6	6.57	99	539786	94.64	ng	0.00
23) Nitrobenzene-d5	7.52	82	427847	81.70	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	165981	124.06	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	720676	77.52	ng	0.00
79) Terphenyl-d14	13.06	244	752682	86.58	ng	0.00
Target Compounds						
6) Aniline	6.62	93	23709	3.188	ng	# 56
9) Benzaldehyde	6.57	77	717	Below Cal		# 1
18) Hexachloroethane	7.62	117	6255	2.917	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	56246	15.449	ng	# 82
24) Nitrobenzene	7.62	77	183536	34.205	ng	# 42
25) Isophorone	7.52	82	422971	49.276	ng	# 67
27) 2,4-Dimethylphenol	7.79	122	26681	6.545	ng	# 1
32) Benzoic acid	7.79	122	26681	9.250	ng	# 1
47) 2-Chloronaphthalene	9.39	162	22334	2.503	ng	# 38
57) 2,4-Dinitrotoluene	9.99	165	16508	5.825	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.49	198	13223	9.890	ng	# 56
67) 4-Bromophenyl-phenylether	10.78	248	10687	3.645	ng	# 1
77) Benzidine	12.82	184	27404	6.121	ng	98

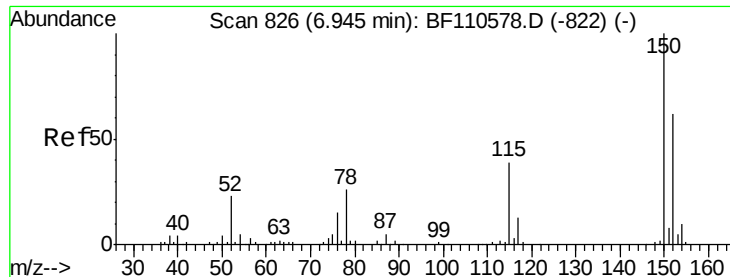
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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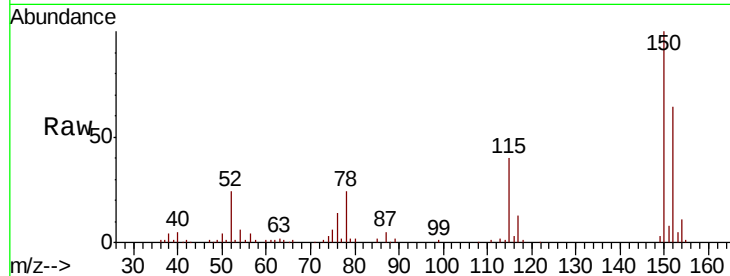


#1

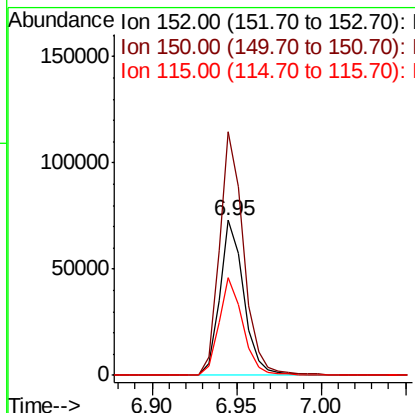
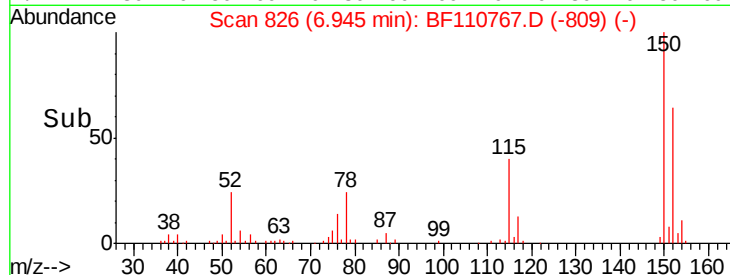
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 72447
Ion Ratio Lower Upper
152 100
150 156.8 122.7 184.1
115 63.3 49.1 73.7



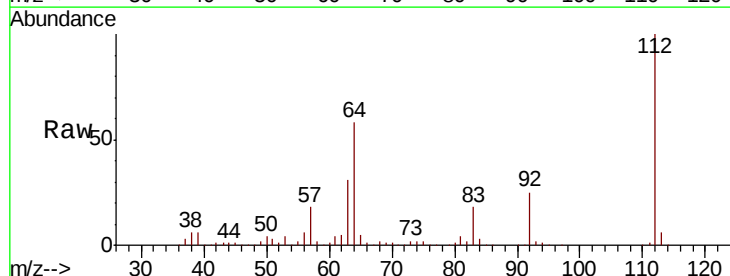
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



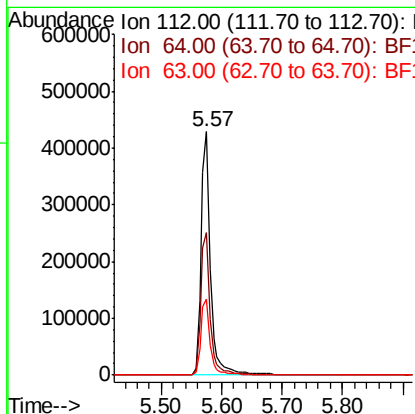
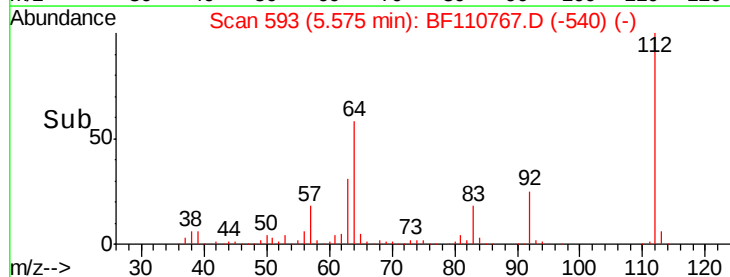
#5

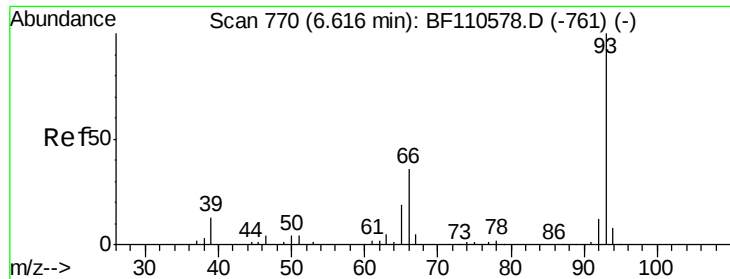
2-Fluorophenol
Concen: 104.835 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

Tgt Ion:112 Resp: 467580
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 31.1 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: 3.188 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

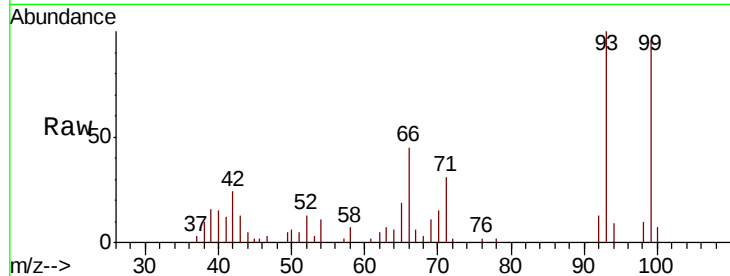
Tot Ion: 93 Resp: 23709

Ion Ratio Lower Upper

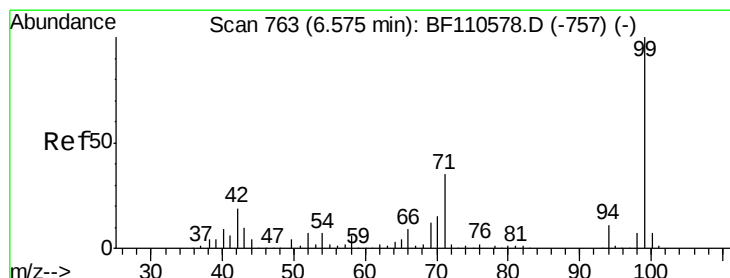
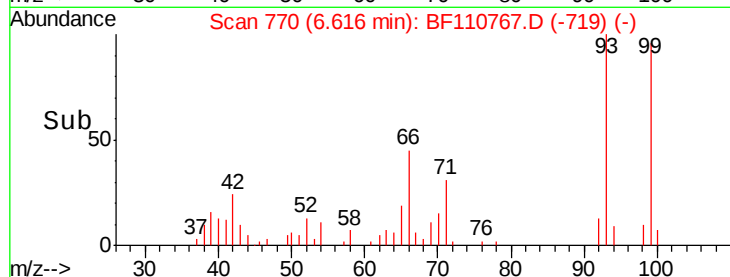
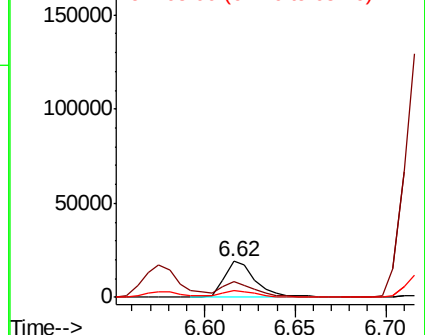
93 100

66 45.4 67.4 101.0#

65 19.3 41.0 61.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 94.642 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

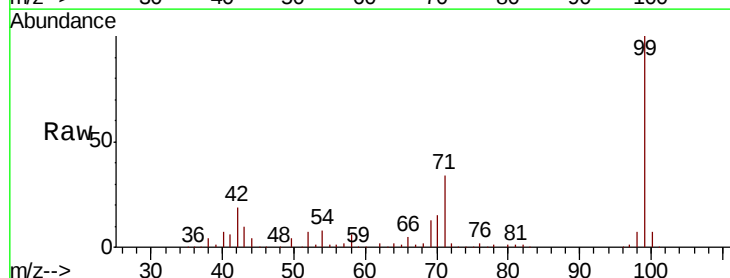
Tgt Ion: 99 Resp: 539786

Ion Ratio Lower Upper

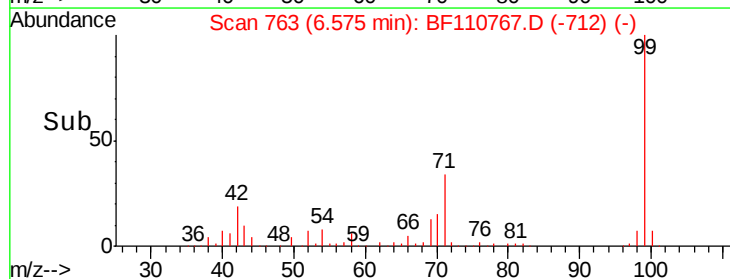
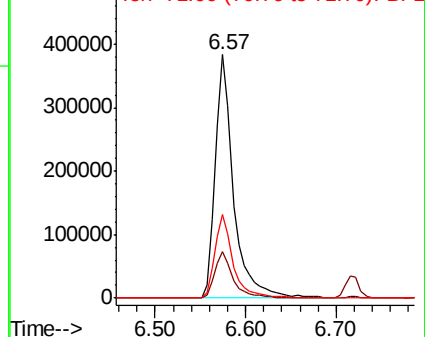
99 100

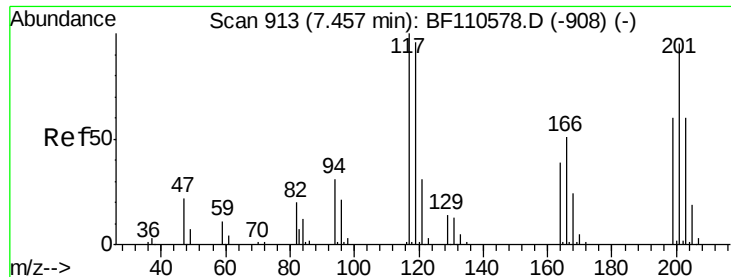
42 19.3 15.8 23.6

71 34.2 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

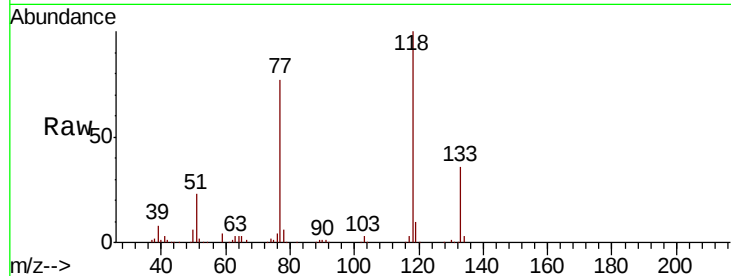




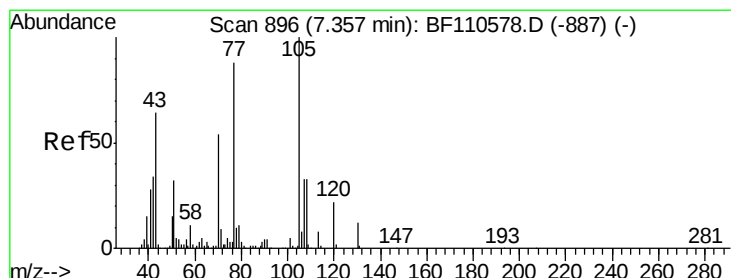
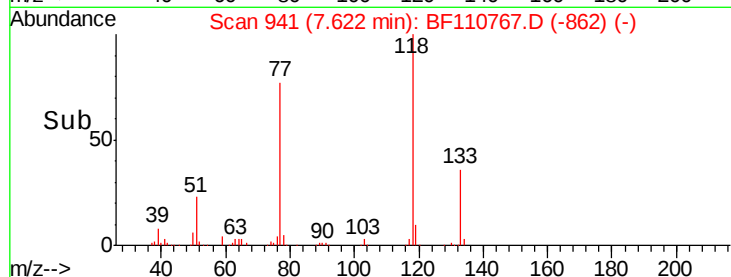
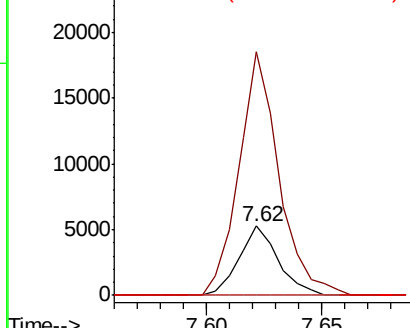
#18
Hexachloroethane
Concen: 2.917 ng
RT: 7.62 min Scan# 941
Delta R.T. 0.16 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 6255
Ion Ratio Lower Upper
117 100
119 351.5 75.0 112.6#
201 0.0 79.2 118.8#

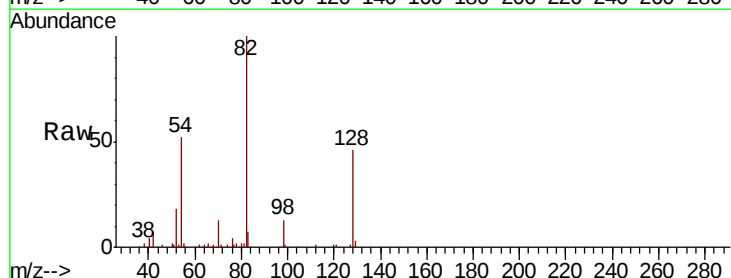


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

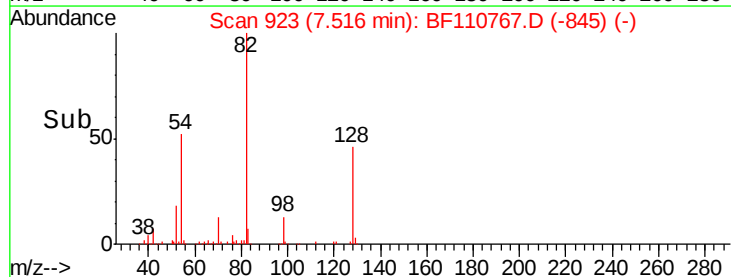
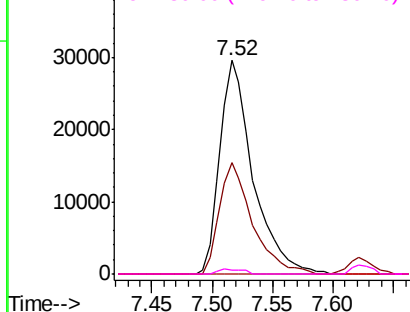


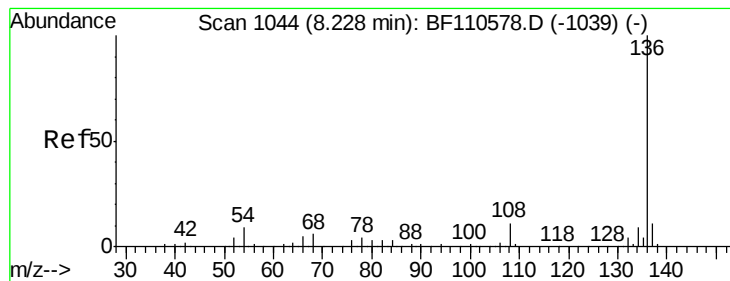
#19
n-Nitroso-di-n-propylamine
Concen: 15.449 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.16 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

Tgt Ion: 70 Resp: 56246
Ion Ratio Lower Upper
70 100
42 52.2 47.4 71.2
101 0.0 7.3 10.9#
130 1.8 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 301603

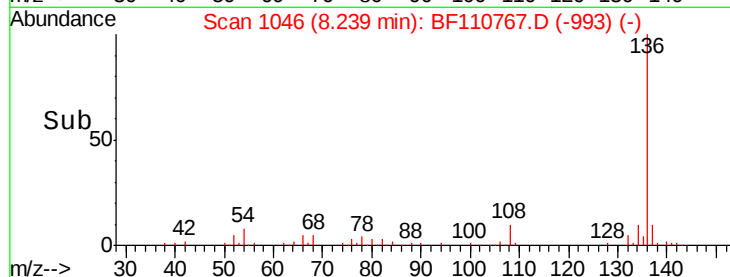
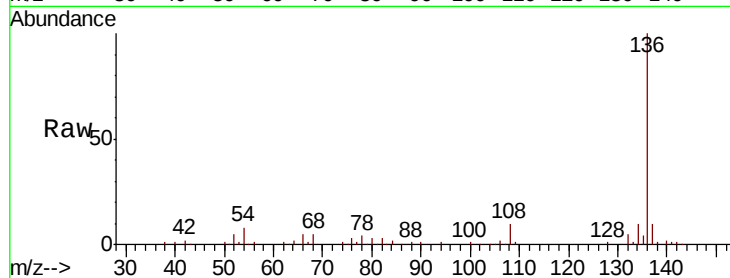
Ion Ratio Lower Upper

136 100

137 10.0 8.8 13.2

54 8.1 5.4 8.2

68 5.1 4.2 6.2

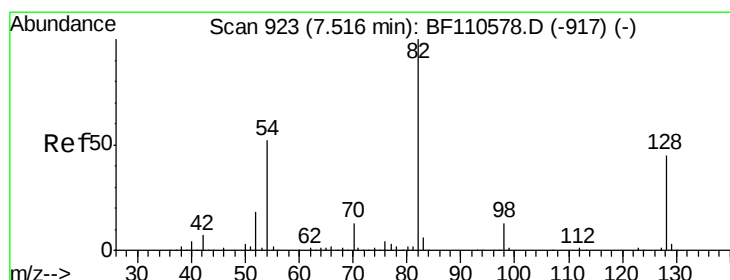
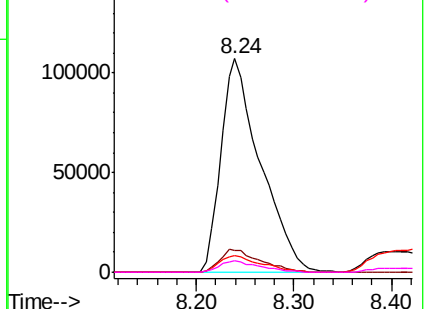


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.695 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

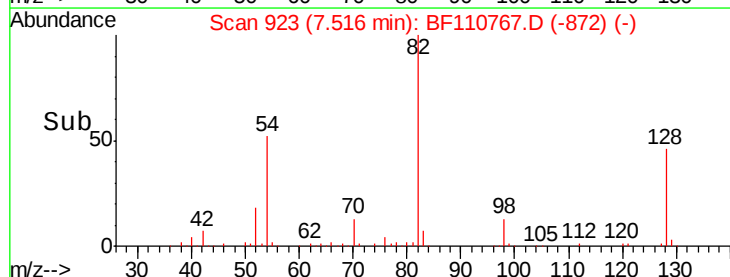
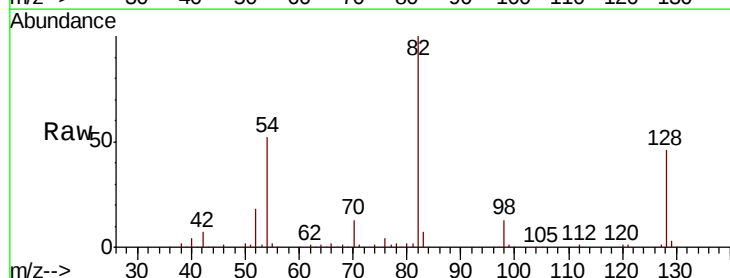
Tgt Ion: 82 Resp: 427847

Ion Ratio Lower Upper

82 100

128 45.7 34.2 51.2

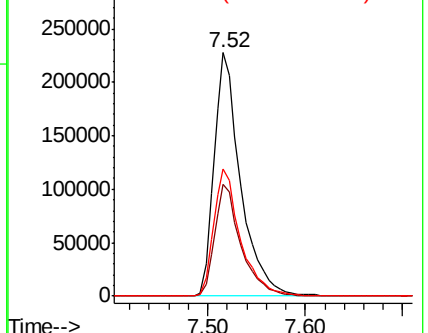
54 52.3 38.6 58.0

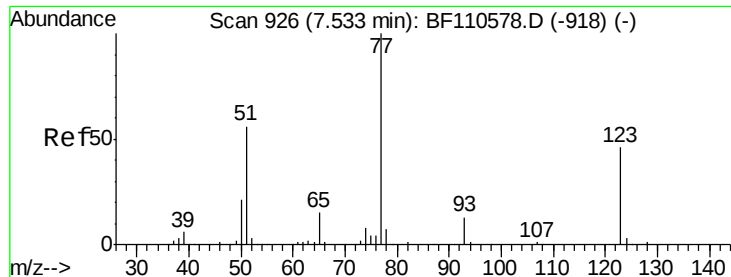


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

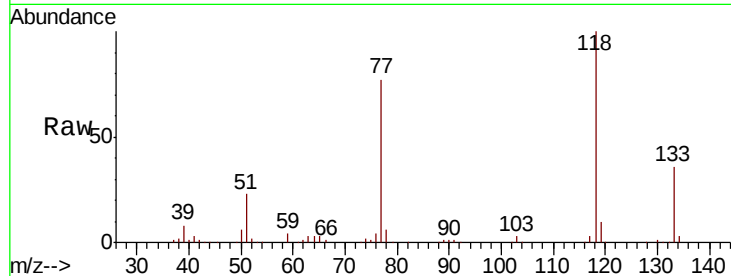




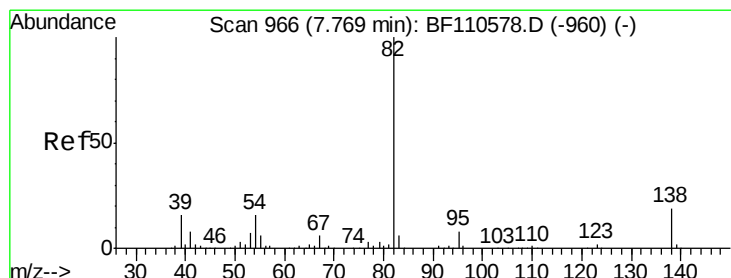
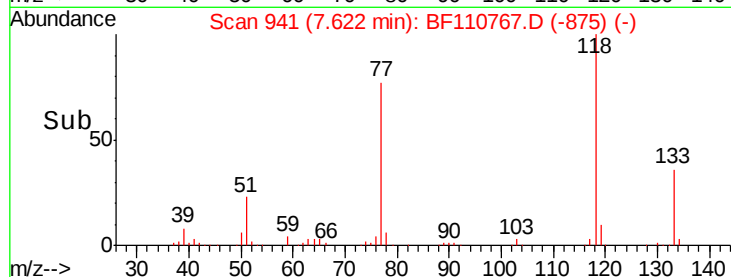
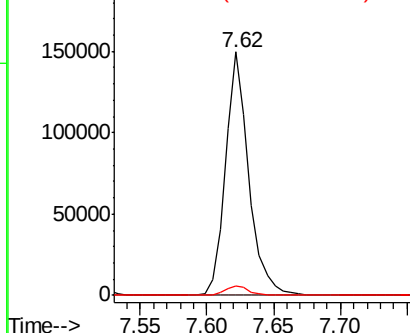
#24
Nitrobenzene
Concen: 34.205 ng
RT: 7.62 min Scan# 941
Delta R.T. 0.09 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.7	53.5#
65	3.9	10.7	16.1#

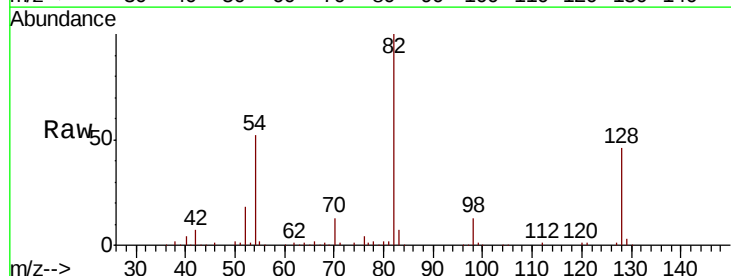


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

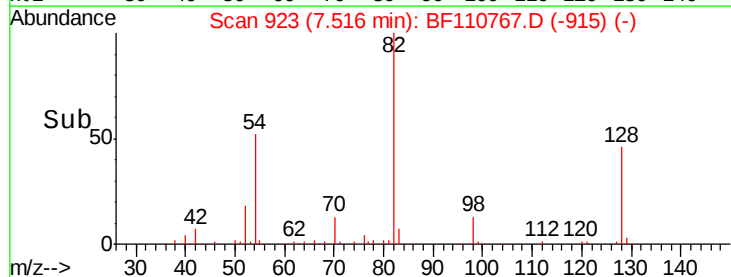
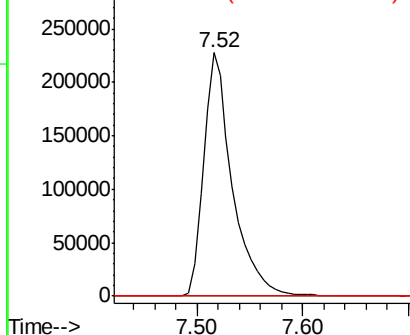


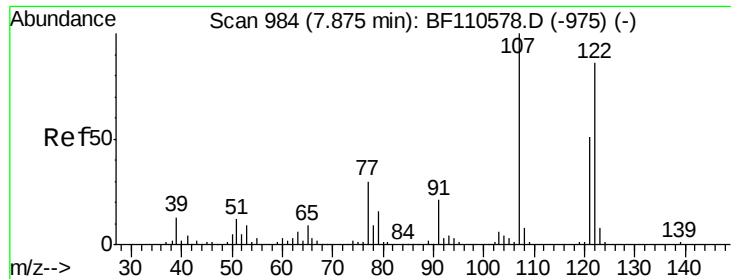
#25
Isophorone
Concen: 49.276 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.25 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

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





#27

2,4-Dimethylphenol

Concen: 6.545 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.08 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

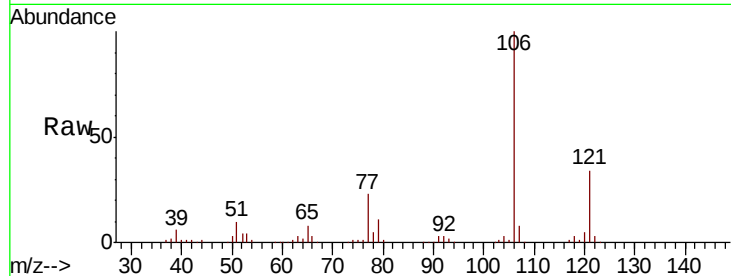
Tot Ion:122 Resp: 26681

Ion Ratio Lower Upper

122 100

107 231.9 92.5 138.7#

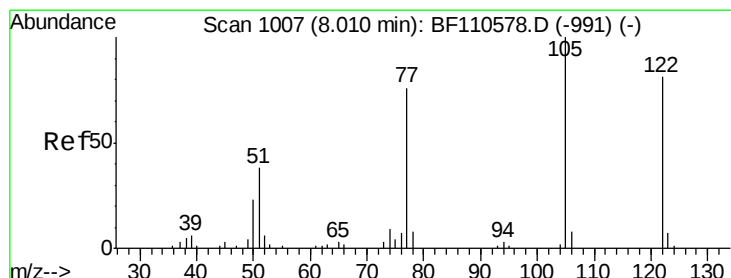
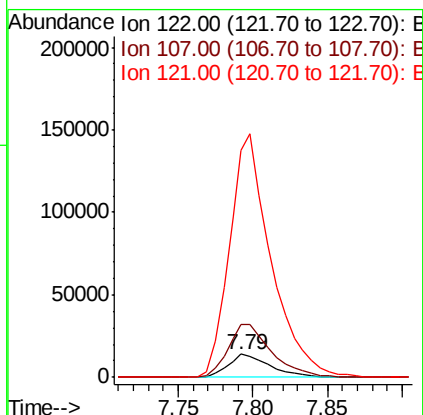
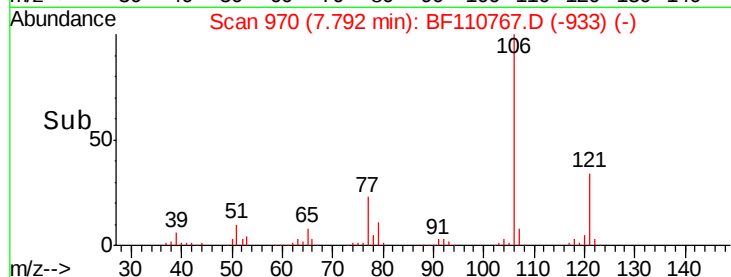
121 988.9 45.8 68.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 9.250 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.22 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

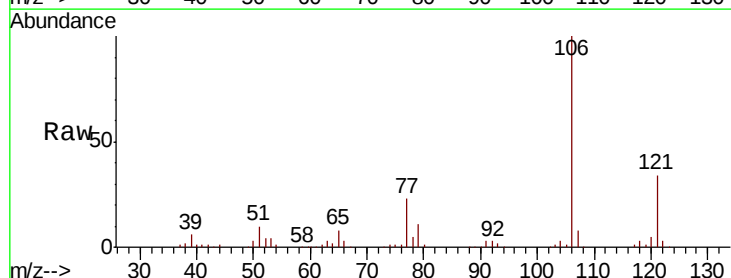
Tgt Ion:122 Resp: 26681

Ion Ratio Lower Upper

122 100

105 37.8 109.0 149.0#

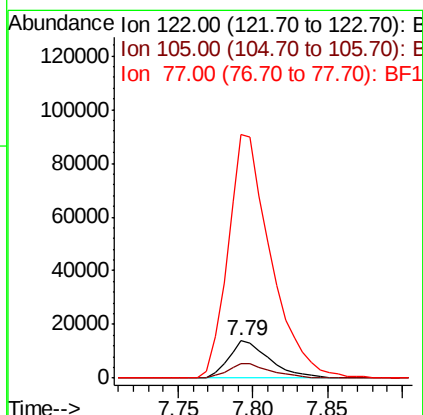
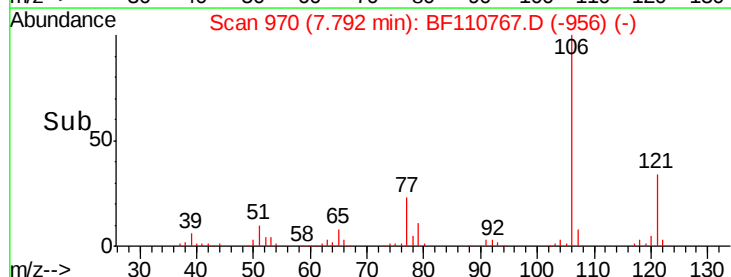
77 652.8 79.0 119.0#

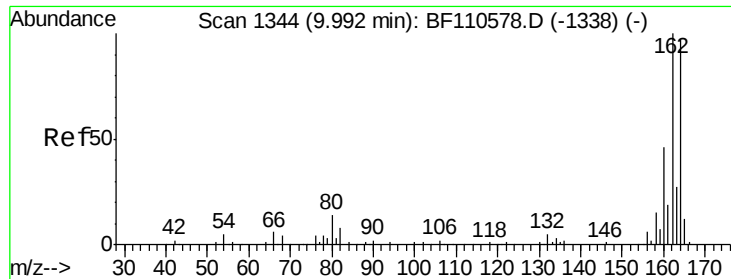


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

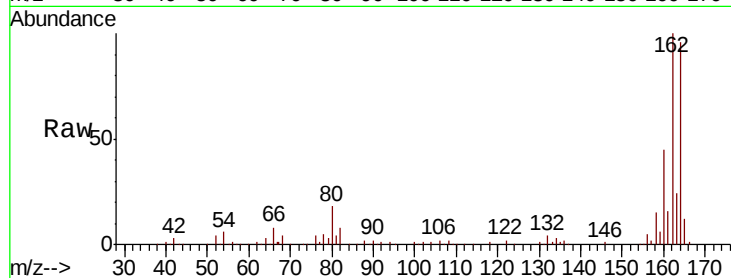
Tot Ion:164 Resp: 132778

Ion Ratio Lower Upper

164 100

162 104.4 83.0 124.6

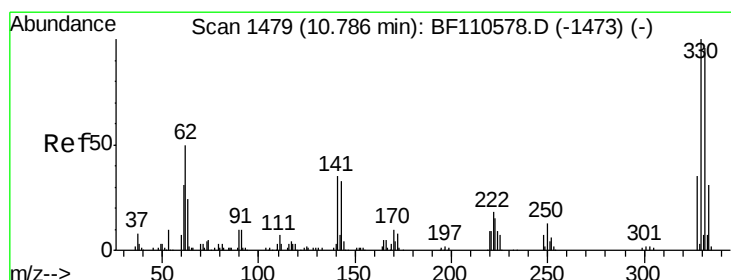
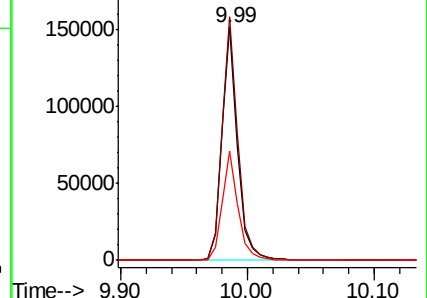
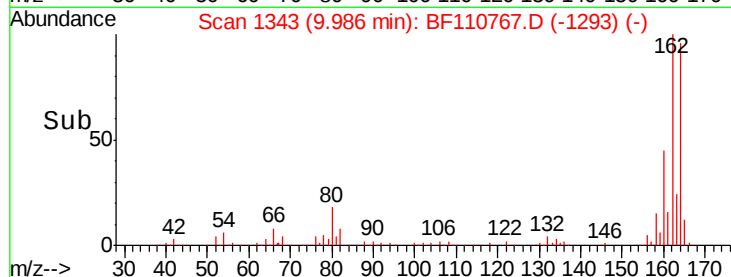
160 46.8 37.0 55.6



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: 124.060 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

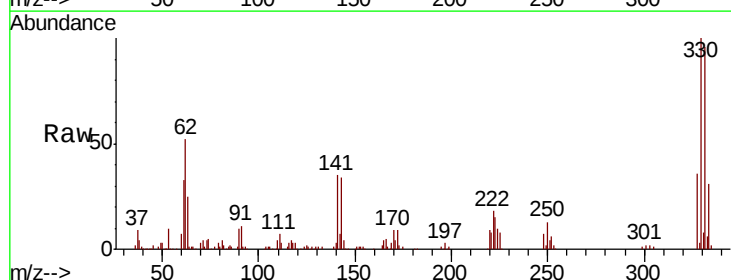
Tgt Ion:330 Resp: 165981

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

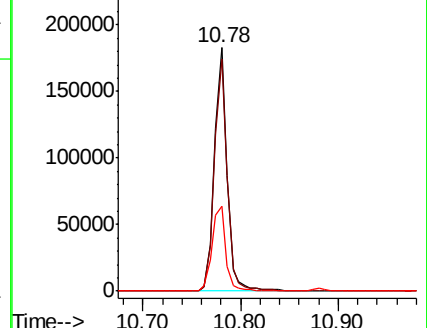
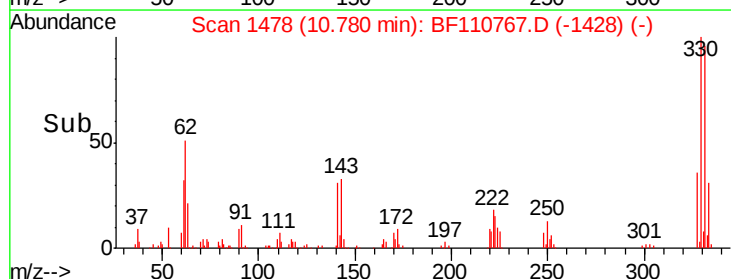
141 37.7 27.0 40.4

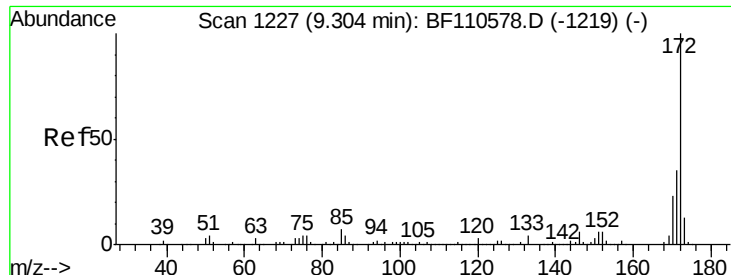


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

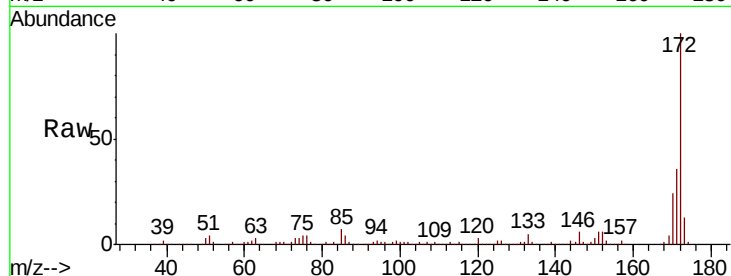




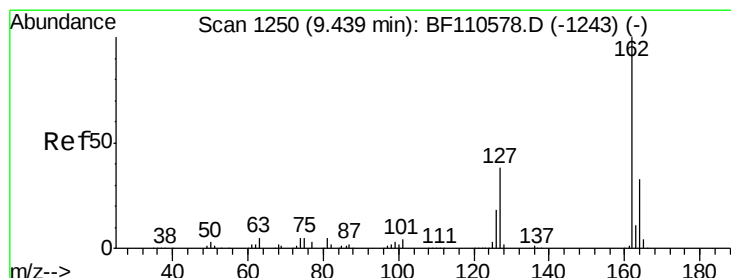
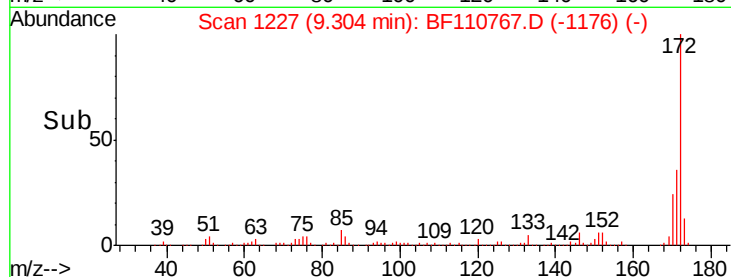
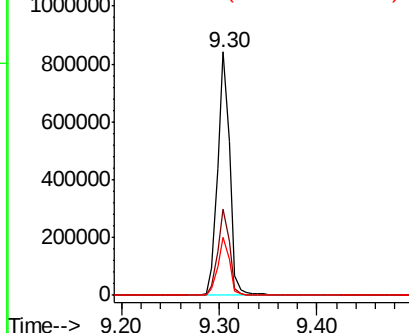
#45
2-Fluorobiphenyl
Concen: 77.517 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 720676
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.7 19.7 29.5

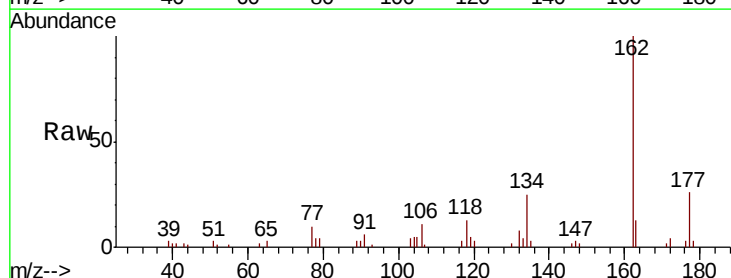


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

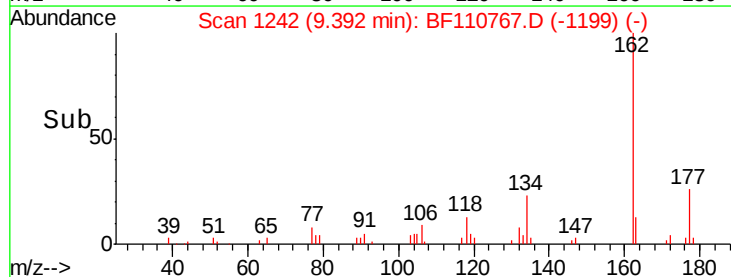
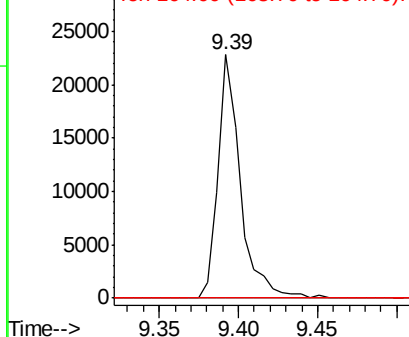


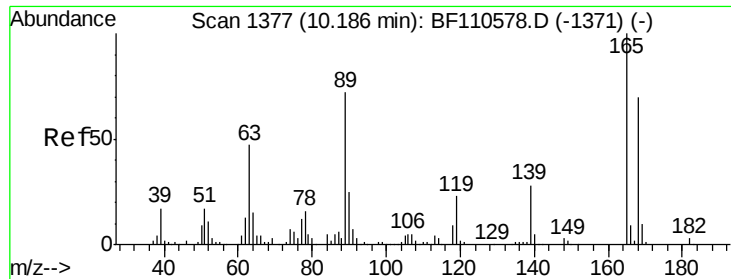
#47
2-Chloronaphthalene
Concen: 2.503 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.05 min
Lab File: BF110767.D
Acq: 14 Nov 2018 16:33

Tgt Ion:162 Resp: 22334
Ion Ratio Lower Upper
162 100
127 0.0 32.6 48.8#
164 0.0 25.9 38.9#



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

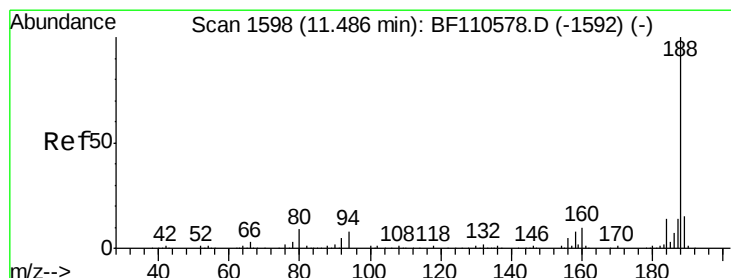
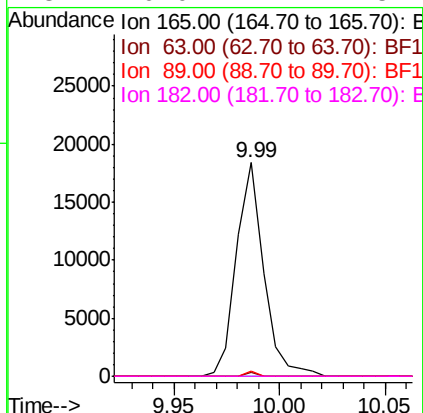
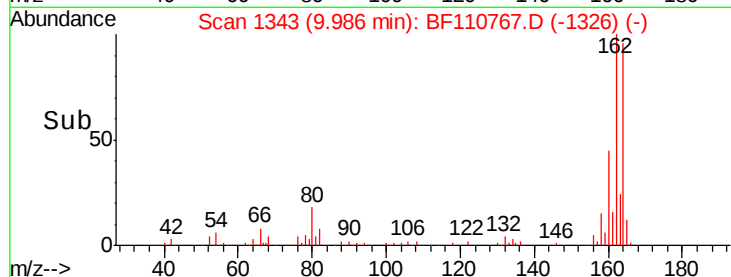
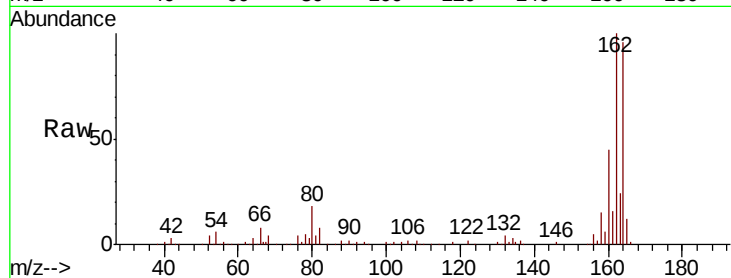




#57
 2,4-Dinitrotoluene
 Concen: 5.825 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110767.D
 Acq: 14 Nov 2018 16:33

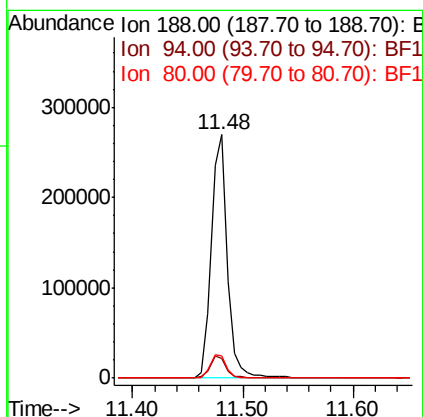
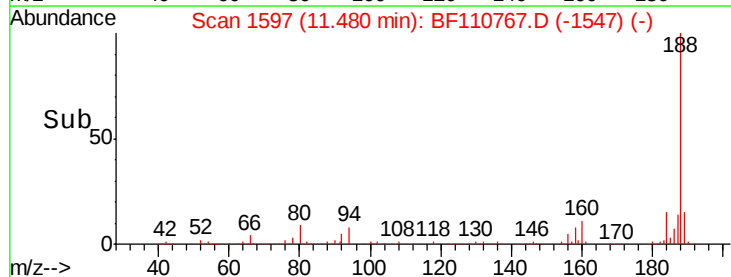
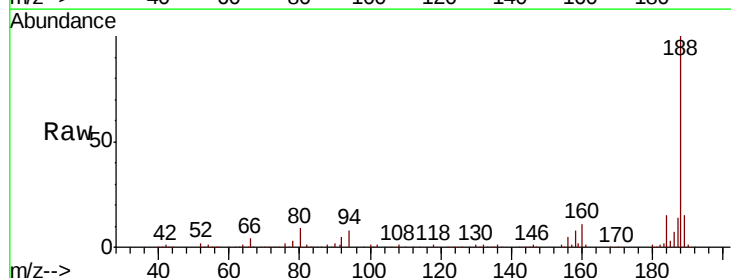
Instrument :
 BNA_F
 ClientSampleId :

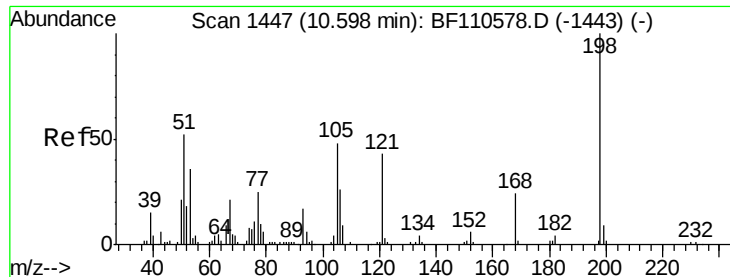
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.8	67.2#
89	2.2	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110767.D
 Acq: 14 Nov 2018 16:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	9.3	7.9	11.9





#65

4,6-Dinitro-2-methylphenol

Concen: 9.890 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.11 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

Instrument :

BNA_F

ClientSampleId :

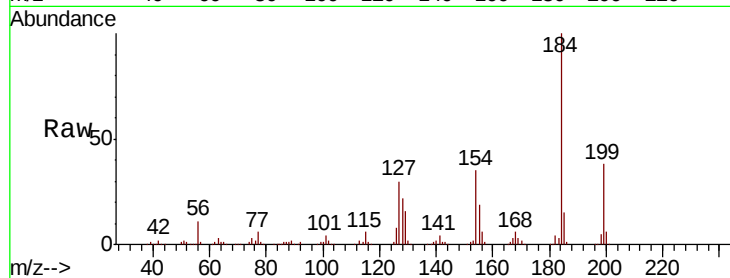
Tot Ion:198 Resp: 13223

Ion Ratio Lower Upper

198 100

51 55.2 22.8 62.8

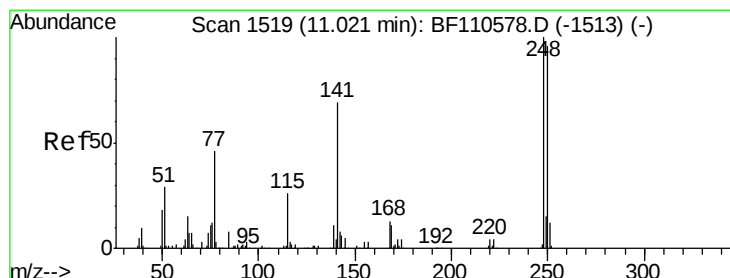
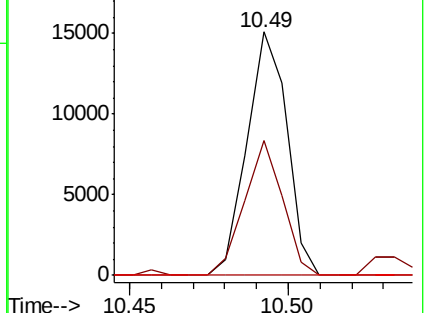
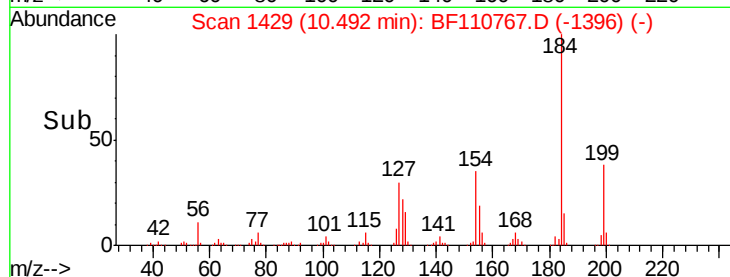
105 0.0 23.6 63.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.645 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.24 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

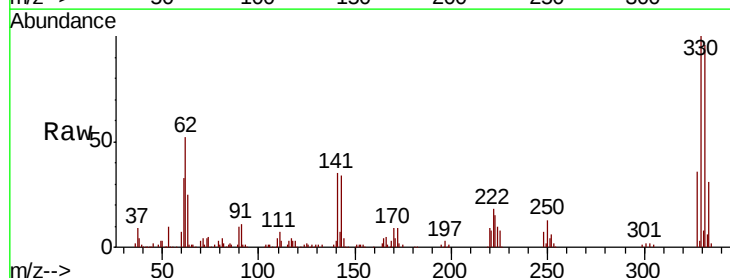
Tgt Ion:248 Resp: 10687

Ion Ratio Lower Upper

248 100

250 194.5 79.4 119.2#

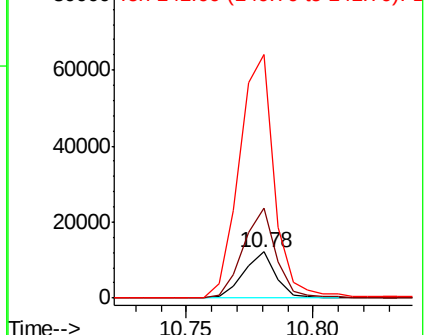
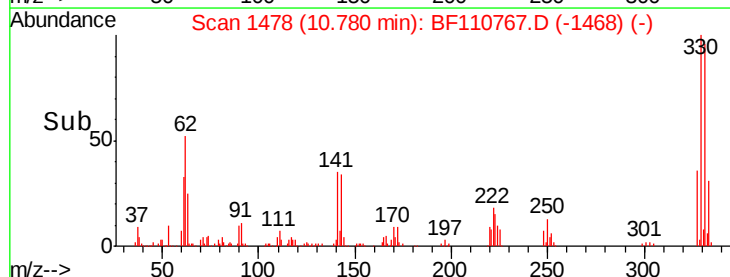
141 528.9 55.9 83.9#

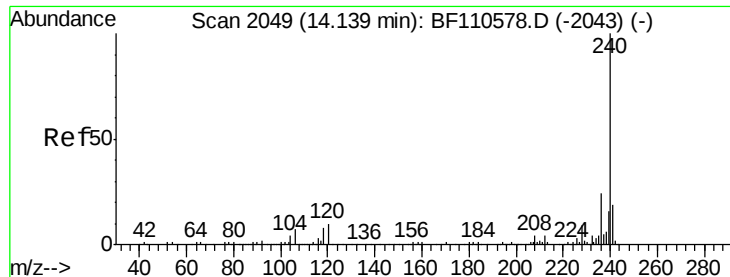


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

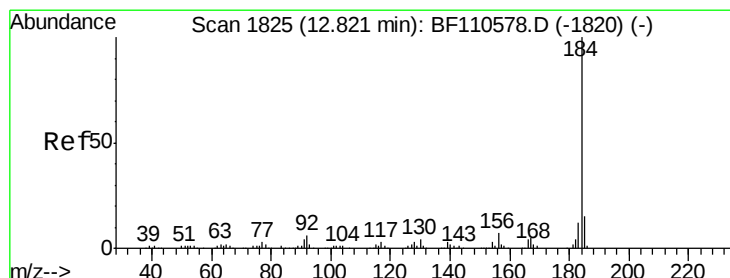
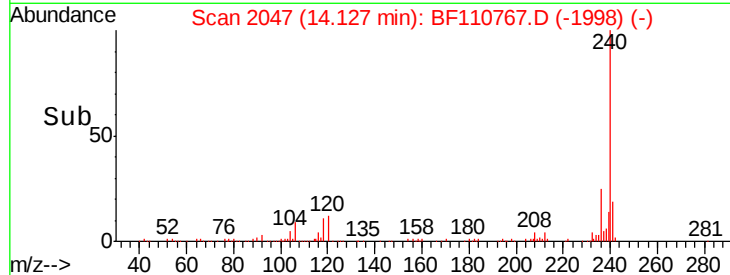
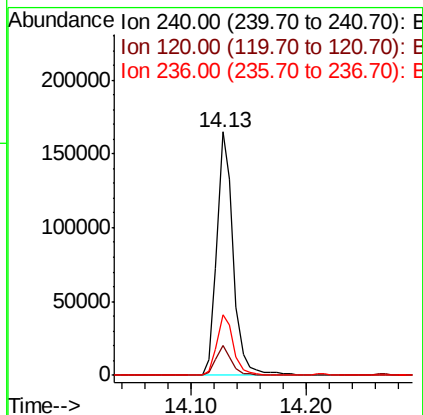
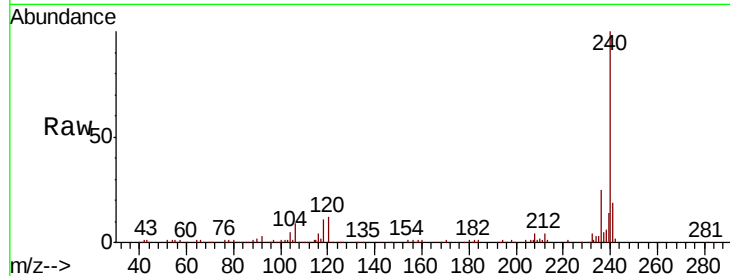




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: BF110767.D
 Acq: 14 Nov 2018 16:33

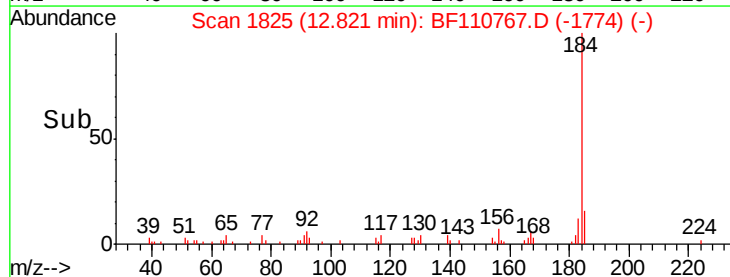
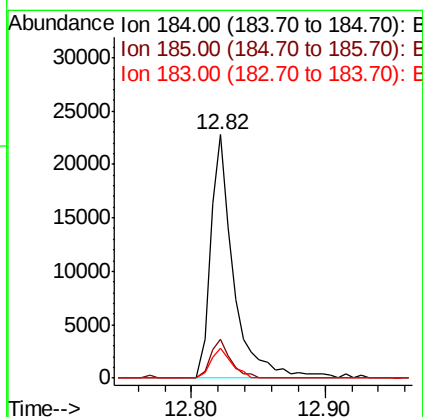
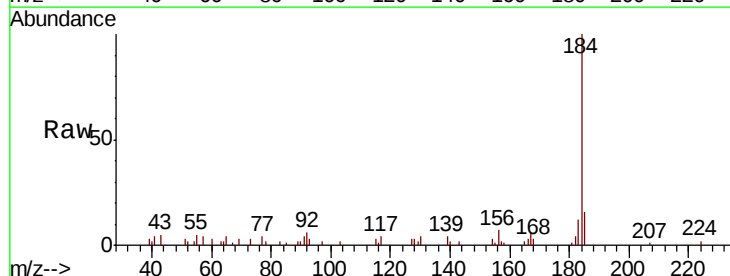
Instrument :
 BNA_F
 ClientSampleId :

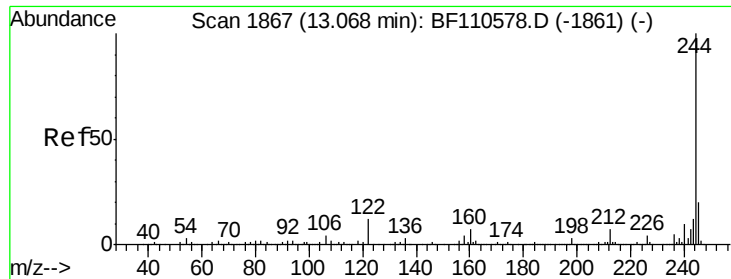
Tot Ion:240 Resp: 162805
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.3 12.5
 236 24.7 21.2 31.8



#77
 Benzidine
 Concen: 6.121 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF110767.D
 Acq: 14 Nov 2018 16:33

Tgt Ion:184 Resp: 27404
 Ion Ratio Lower Upper
 184 100
 185 16.0 13.4 20.2
 183 12.3 9.4 14.2





#79

Terphenyl-d14

Concen: 86.582 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

Instrument :

BNA_F

ClientSampled :

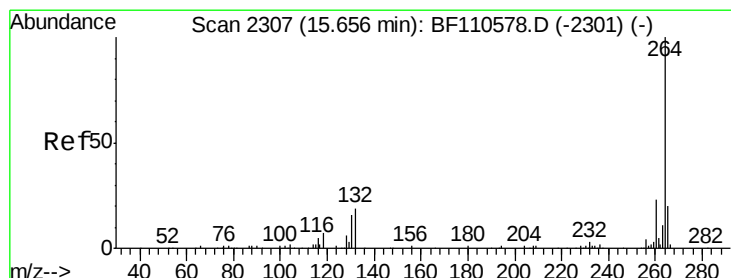
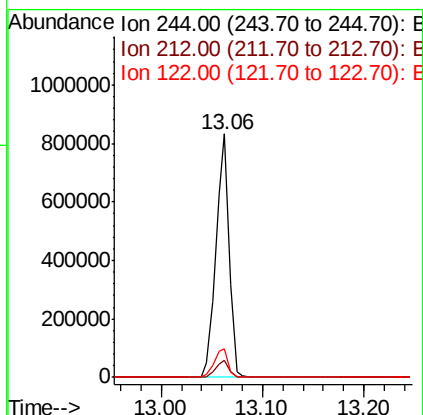
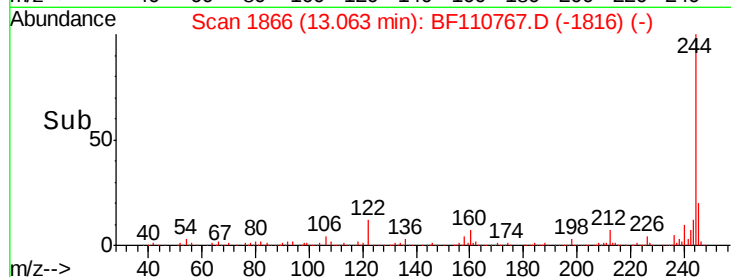
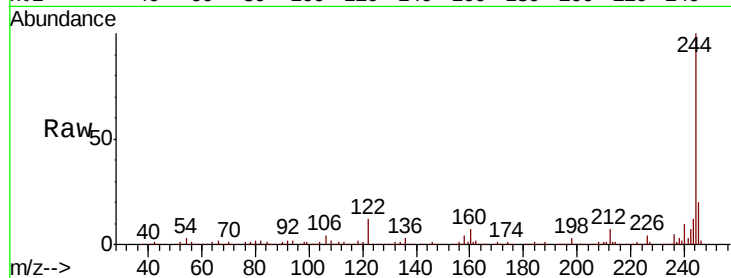
Tot Ion:244 Resp: 752682

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 11.5 8.7 13.1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110767.D

Acq: 14 Nov 2018 16:33

Tgt Ion:264 Resp: 139490

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 22.0 16.7 25.1

