

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110638.D
 Acq On : 9 Nov 2018 20:14
 Operator : JU/SJ
 Sample : J5884-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 11 03:23:52 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

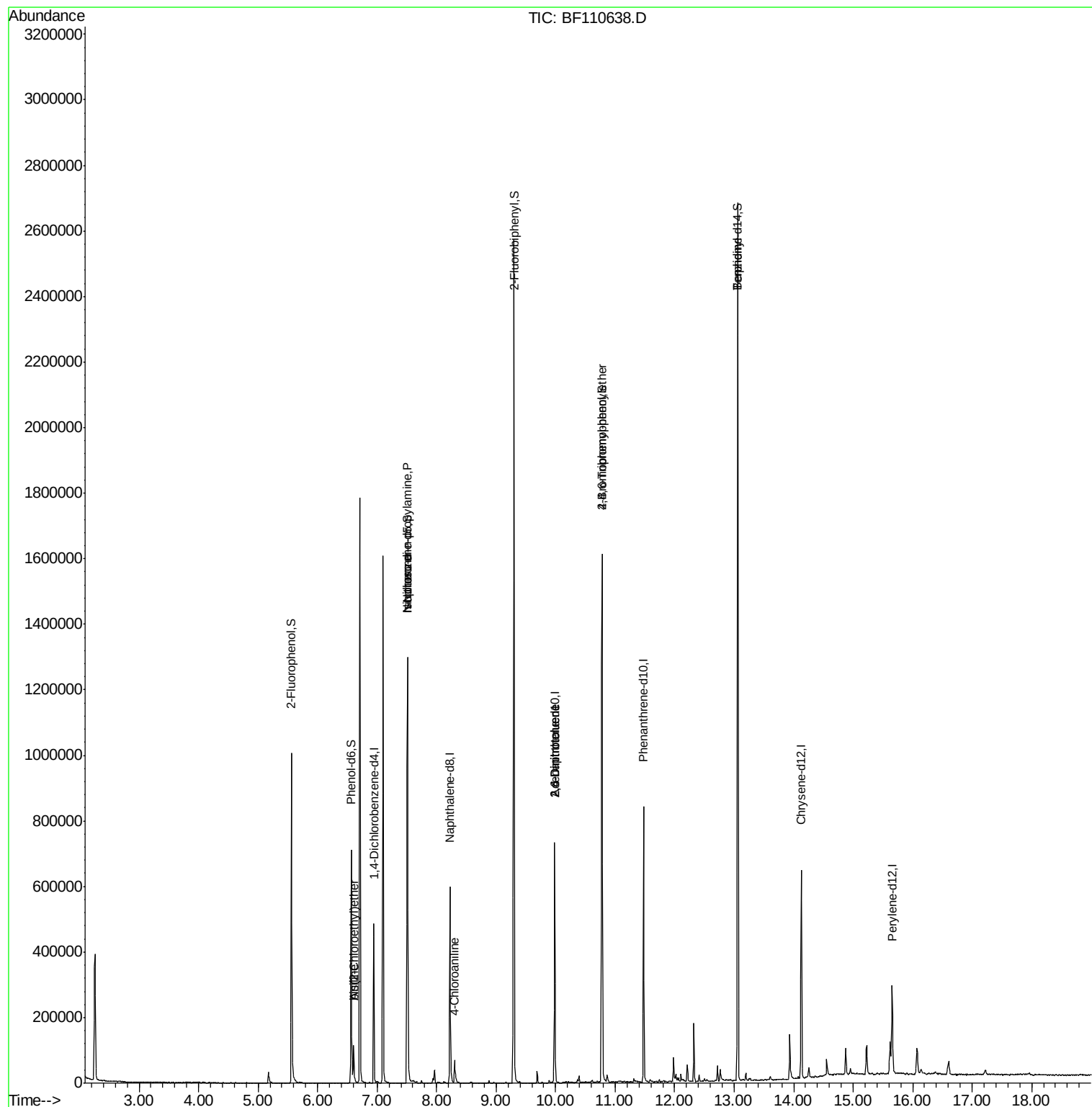
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	78506	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	323861	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	159387	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	319098	20.00	ng	0.00
76) Chrysene-d12	14.13	240	225056	20.00	ng	-0.01
87) Perylene-d12	15.66	264	140169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	285116	58.99	ng	0.00
7) Phenol-d6	6.56	99	234848	38.00	ng	-0.01
23) Nitrobenzene-d5	7.51	82	443796	78.92	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	193041	120.20	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	818677	73.36	ng	0.00
79) Terphenyl-d14	13.06	244	960576	79.93	ng	0.00
Target Compounds						
6) Aniline	6.60	93	40520	5.027	ng	# 54
9) Benzaldehyde	6.61	77	350	Below Cal		# 1
11) bis(2-Chloroethyl)ether	6.60	93	40520	7.545	ng	# 26
19) n-Nitroso-di-n-propylamine	7.51	70	58669	14.871	ng	# 78
25) Isophorone	7.51	82	443793	48.149	ng	# 67
33) 4-Chloroaniline	8.30	127	31004	4.502	ng	# 99
51) 2,6-Dinitrotoluene	9.98	165	19484	7.447	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	19484	5.728	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	11917	3.379	ng	# 1
77) Benzidine	13.06	184	12771	2.063	ng	# 93

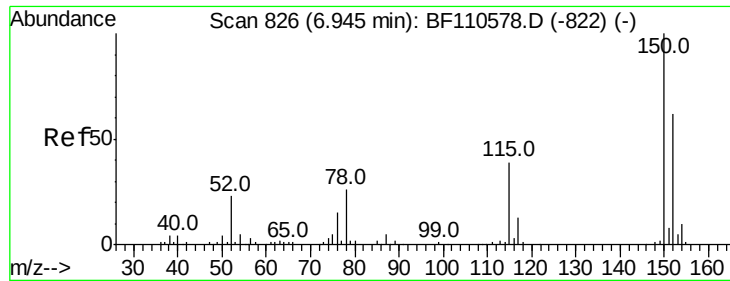
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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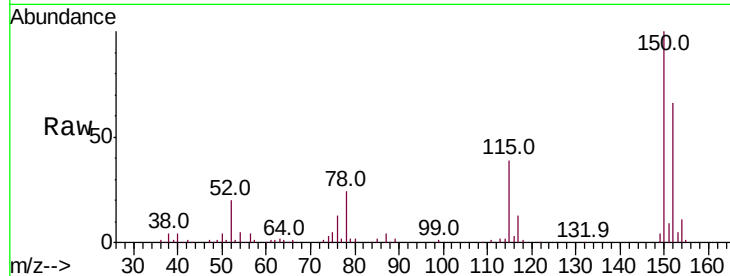


#1

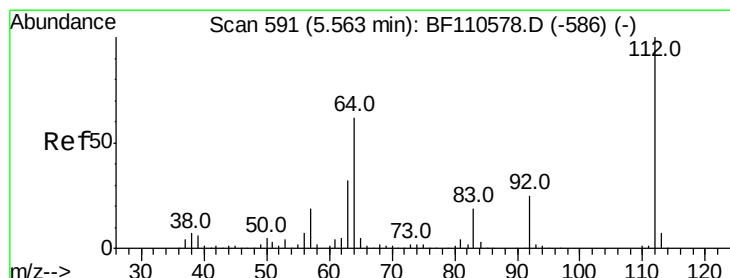
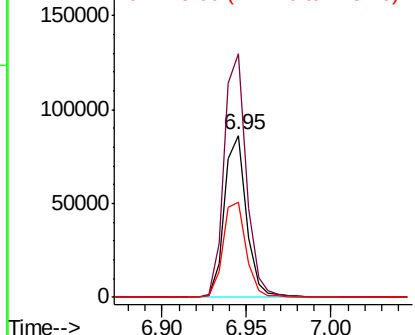
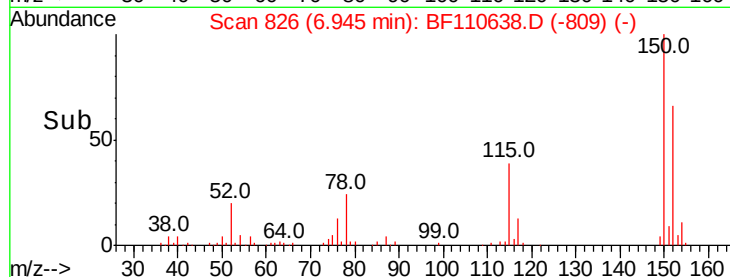
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78506
Ion Ratio Lower Upper
152 100
150 150.4 122.7 184.1
115 58.4 49.1 73.7



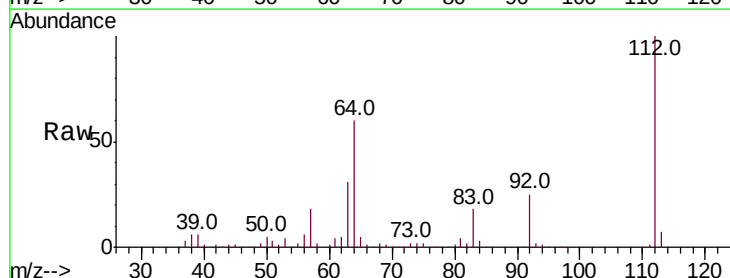
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



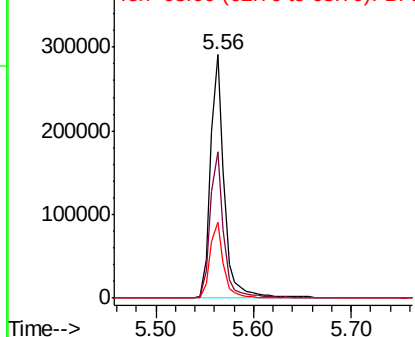
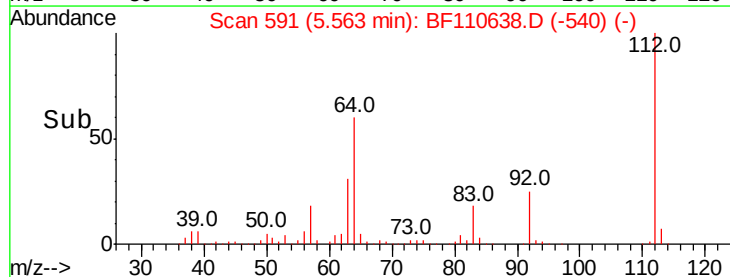
#5

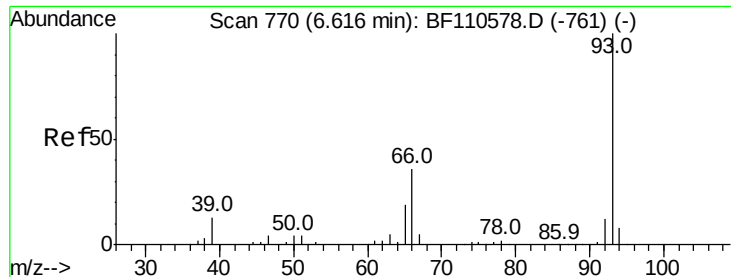
2-Fluorophenol
Concen: 58.991 ng
RT: 5.56 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

Tgt Ion:112 Resp: 285116
Ion Ratio Lower Upper
112 100
64 60.0 44.1 66.1
63 31.4 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: 5.027 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

Instrument :

BNA_F

ClientSampleId :

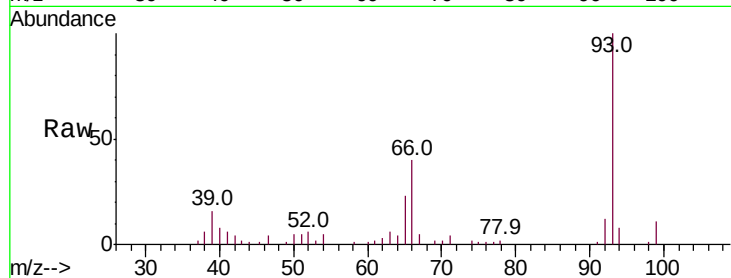
Tot Ion: 93 Resp: 40520

Ion Ratio Lower Upper

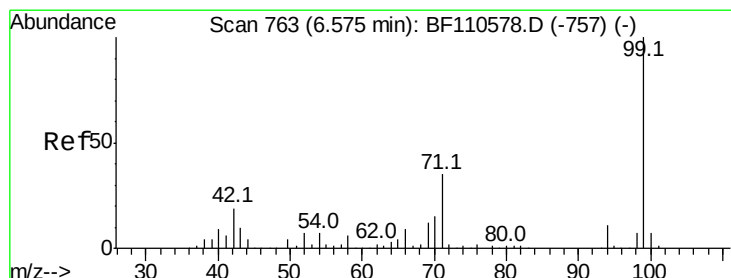
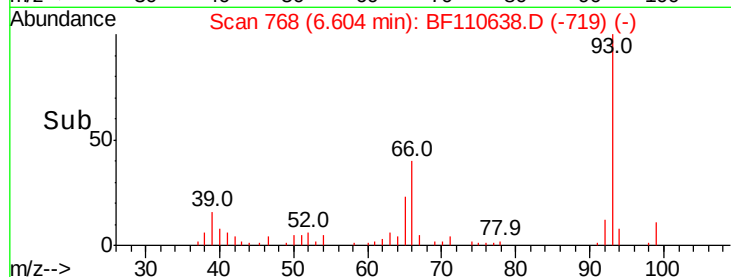
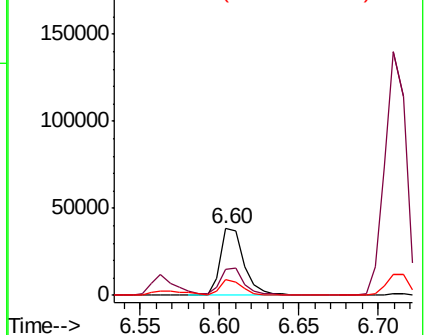
93 100

66 39.9 67.4 101.0#

65 23.0 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: 37.998 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

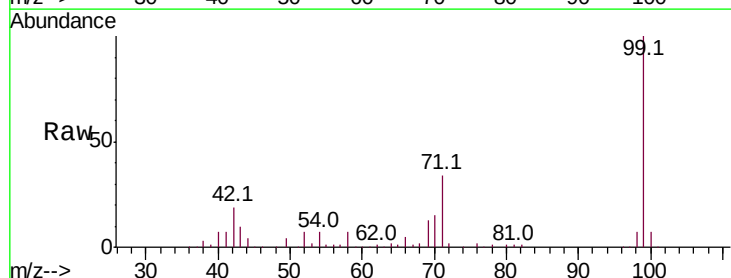
Tgt Ion: 99 Resp: 234848

Ion Ratio Lower Upper

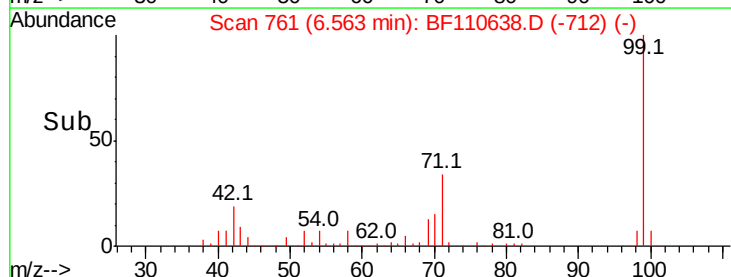
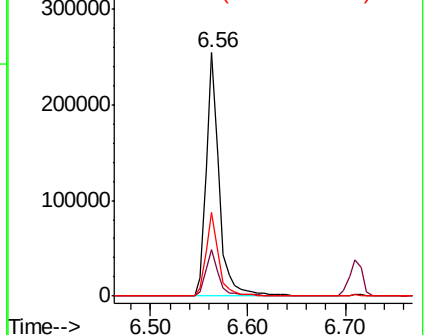
99 100

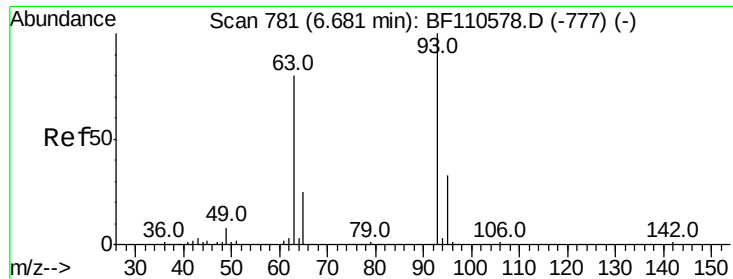
42 19.3 15.8 23.6

71 34.3 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

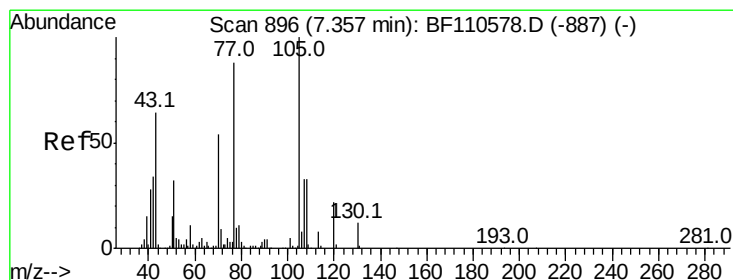
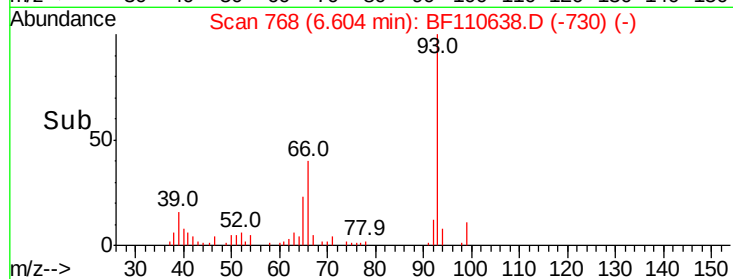
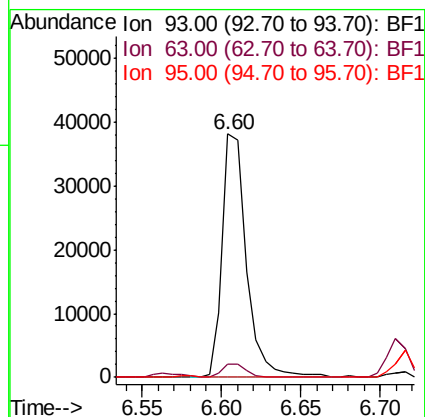
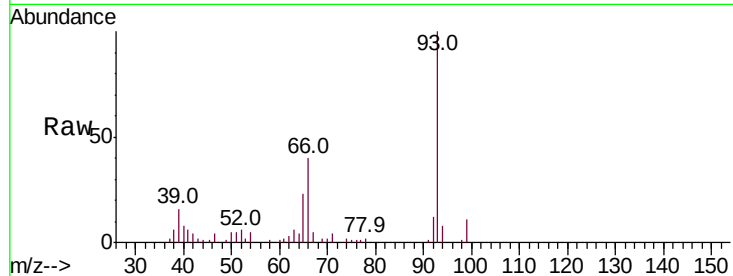




#11
bis(2-Chloroethyl)ether
Concen: 7.545 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.08 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

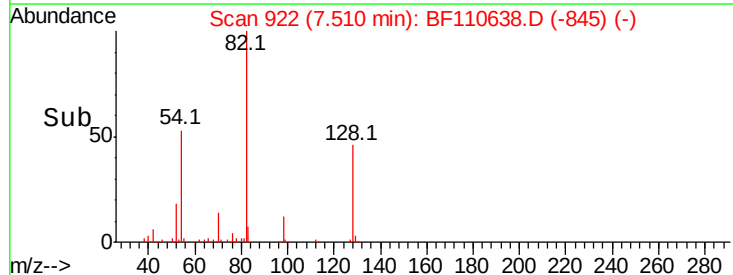
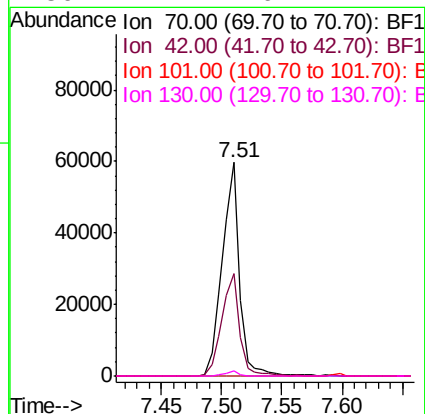
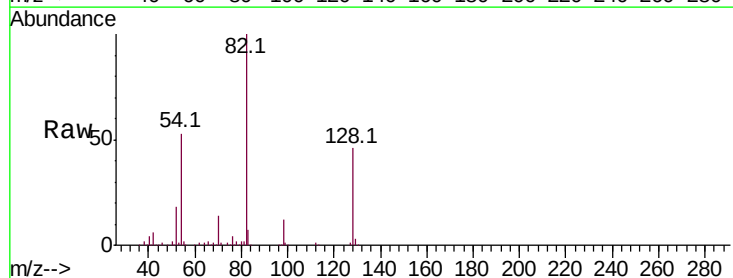
Instrument :
BNA_F
ClientSampled :

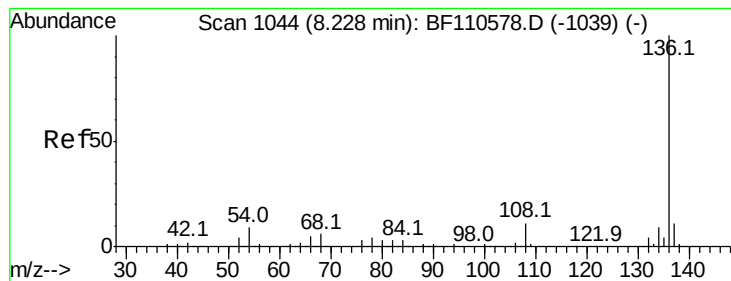
Tot Ion	Ratio	Lower	Upper
93	100		
63	5.6	53.4	93.4#
95	0.0	12.1	52.1#



#19
n-Nitroso-di-n-propylamine
Concen: 14.871 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

Tgt Ion	Ratio	Lower	Upper
70	100		
42	47.7	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: 8.23 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 323861

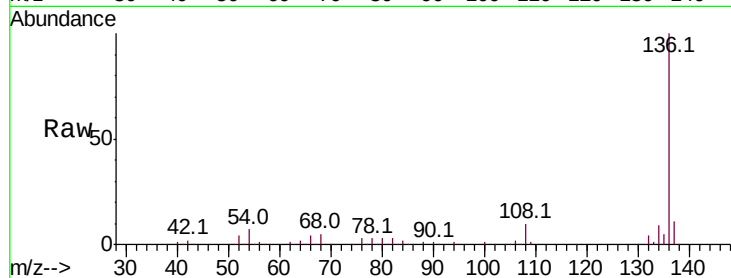
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 7.0 5.4 8.2

68 4.8 4.2 6.2

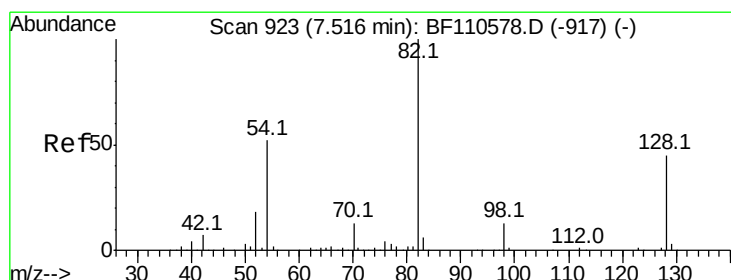
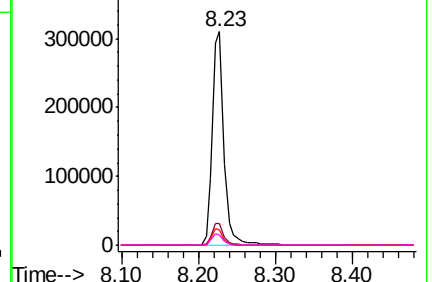
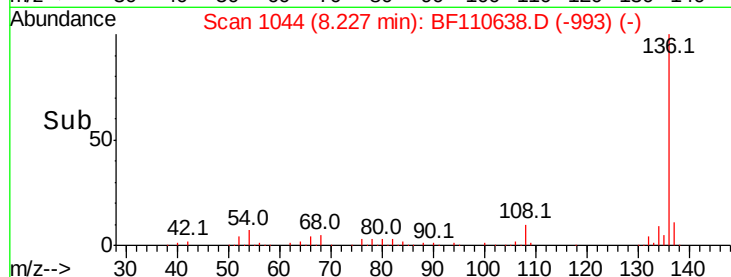


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.917 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

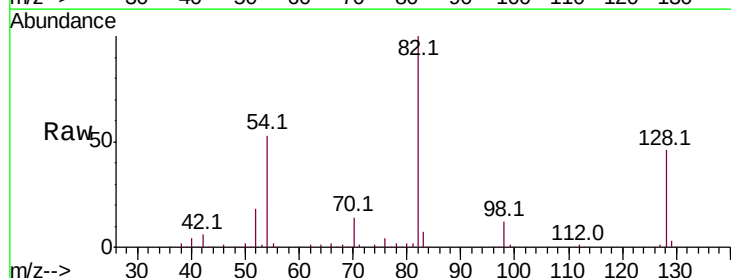
Tgt Ion: 82 Resp: 443796

Ion Ratio Lower Upper

82 100

128 45.6 34.2 51.2

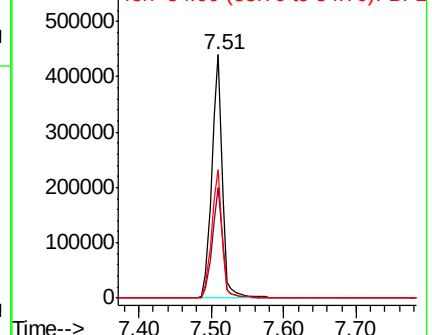
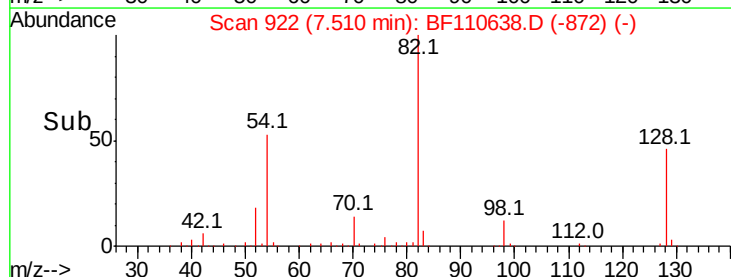
54 53.0 38.6 58.0

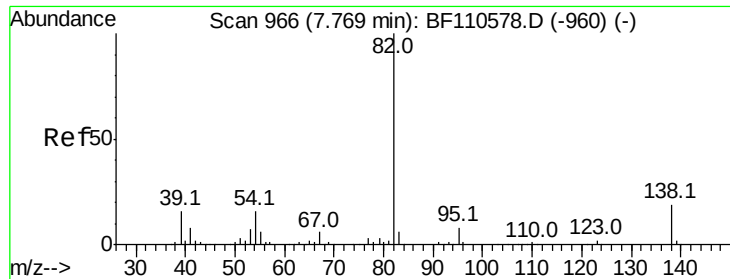


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.149 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

Instrument :
BNA_F
ClientSampleId :

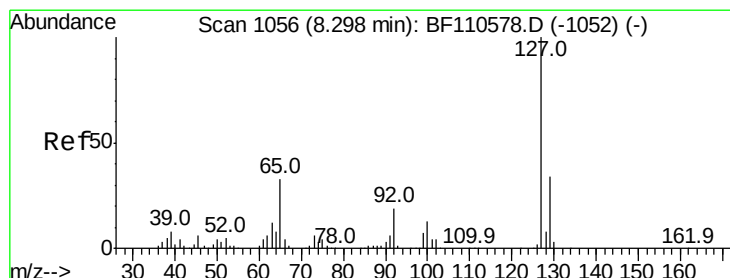
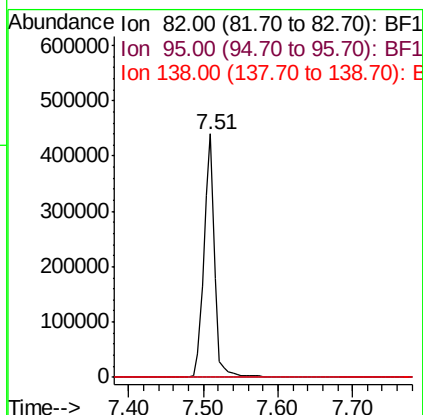
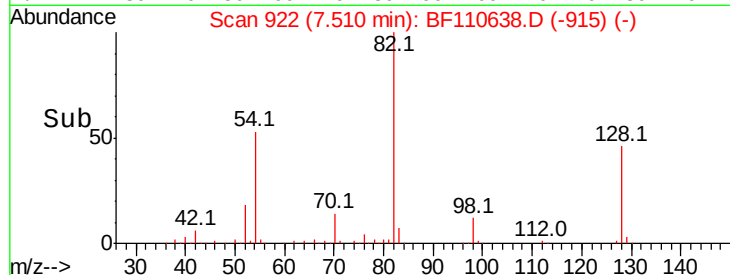
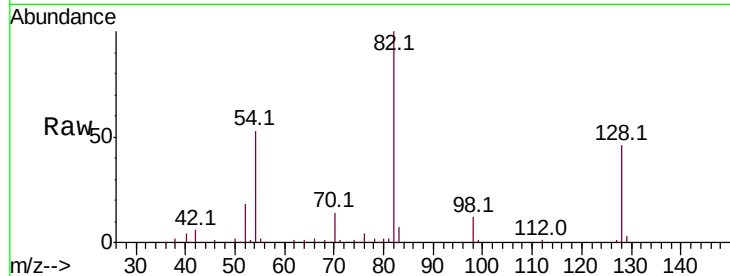
Tot Ion: 82 Resp: 443793

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



#33

4-Chloroaniline

Concen: 4.502 ng

RT: 8.30 min Scan# 1057

Delta R.T. 0.01 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

Tgt Ion: 127 Resp: 31004

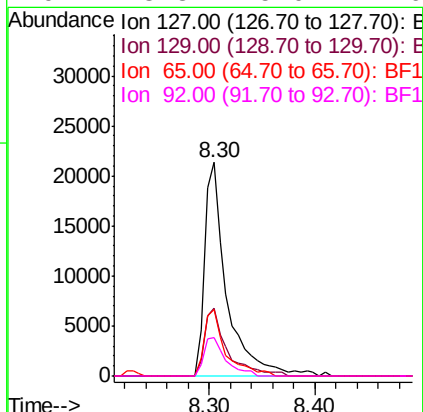
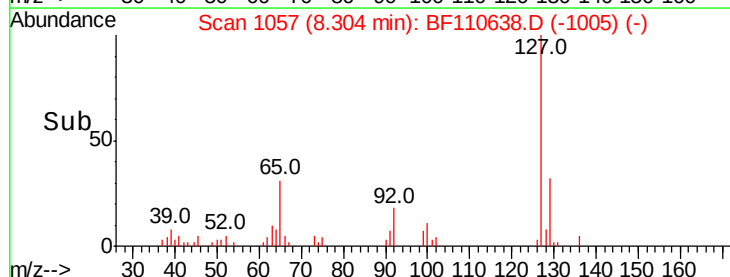
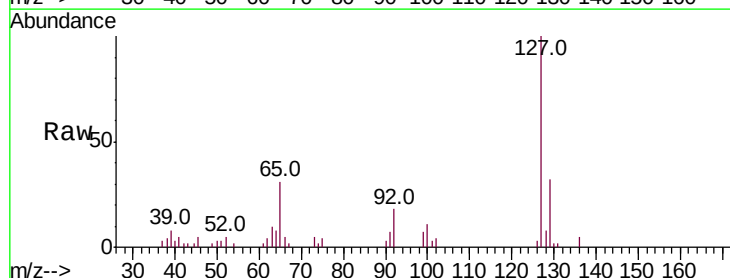
Ion Ratio Lower Upper

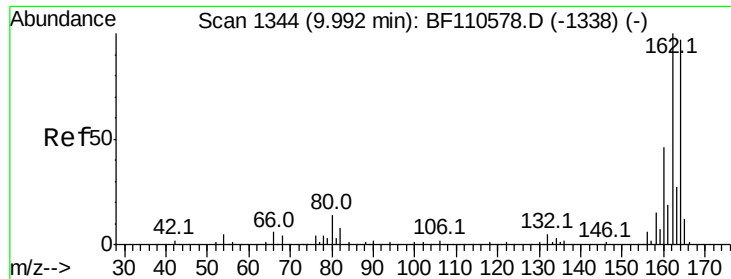
127 100

129 32.0 26.0 39.0

65 31.2 25.1 37.7

92 18.3 15.0 22.6

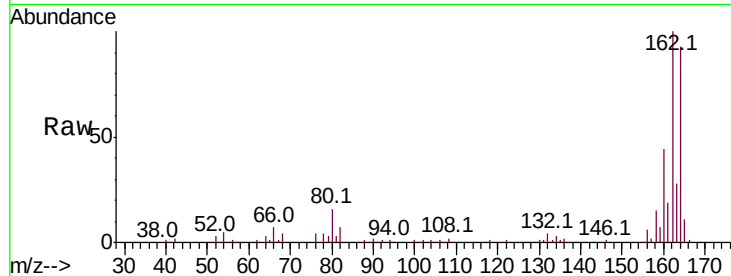




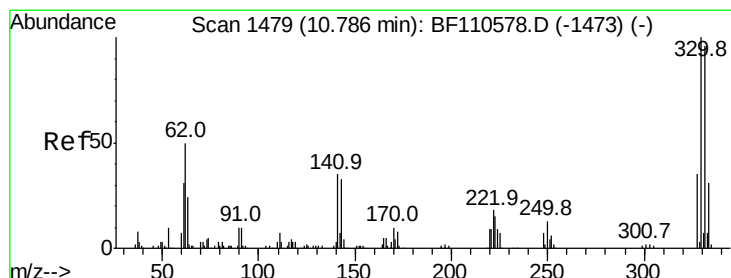
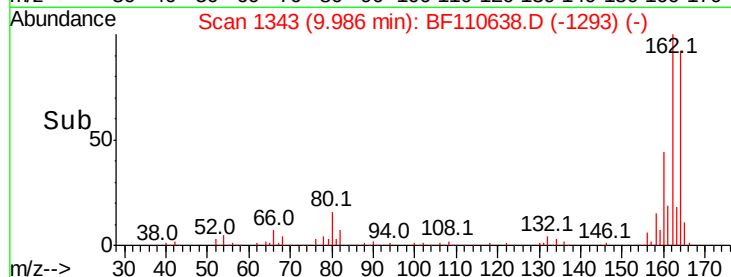
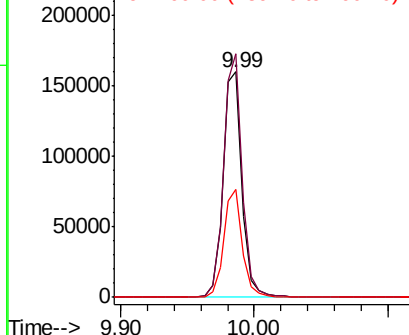
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 159387
Ion Ratio Lower Upper
164 100
162 108.0 83.0 124.6
160 47.7 37.0 55.6

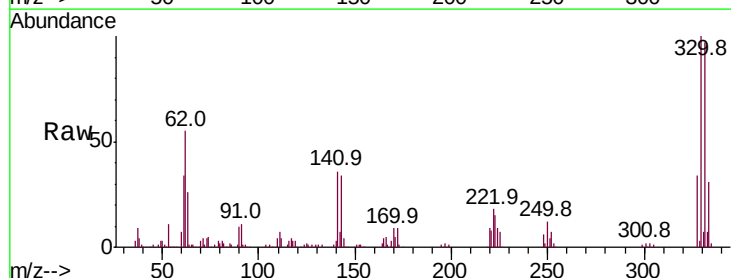


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

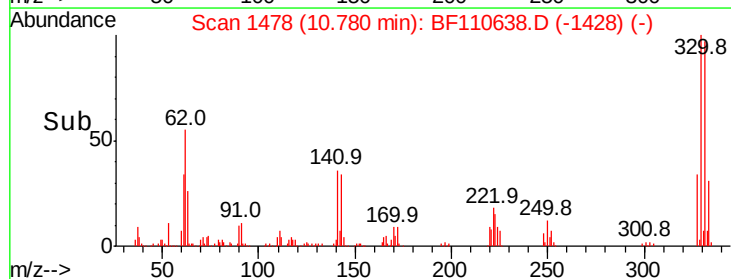
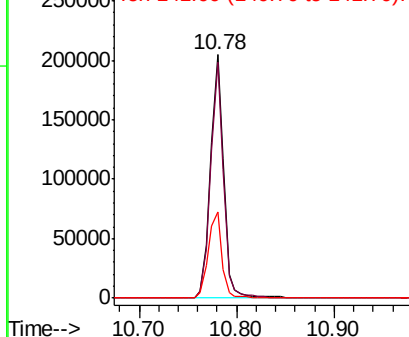


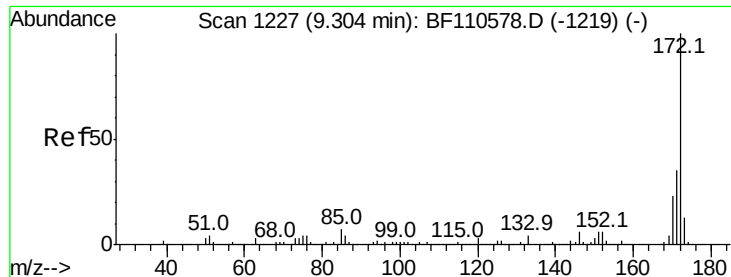
#42
2,4,6-Tribromophenol
Concen: 120.198 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

Tgt Ion:330 Resp: 193041
Ion Ratio Lower Upper
330 100
332 94.7 77.1 115.7
141 37.0 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

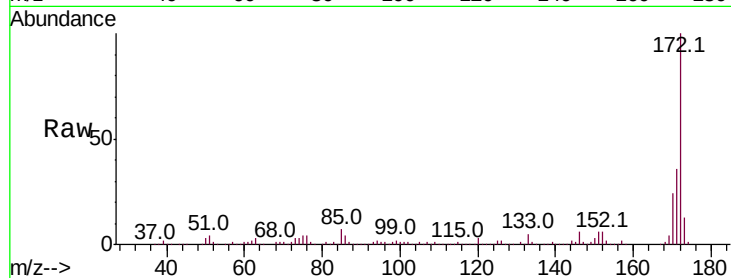




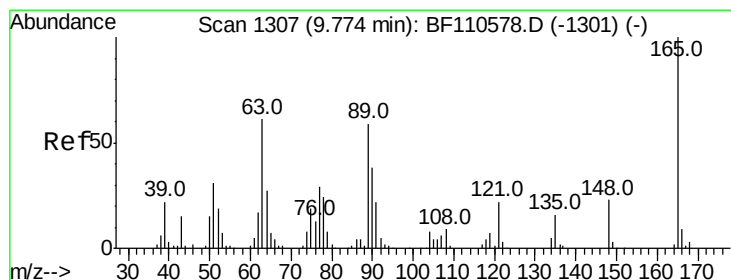
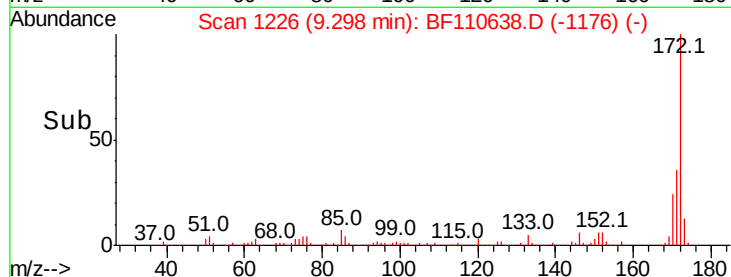
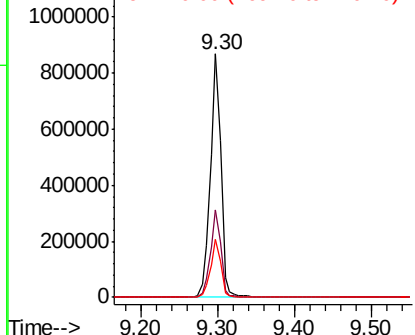
#45
 2-Fluorobiphenyl
 Concen: 73.357 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110638.D
 Acq: 9 Nov 2018 20:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 818677
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.6 19.7 29.5

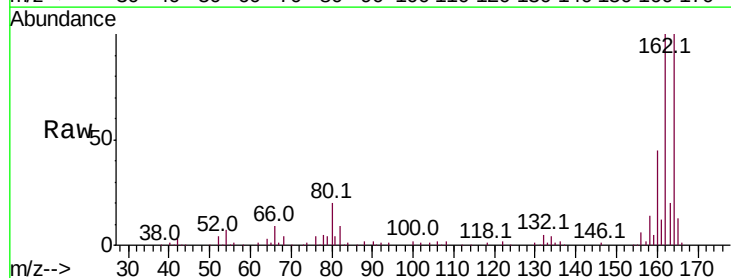


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

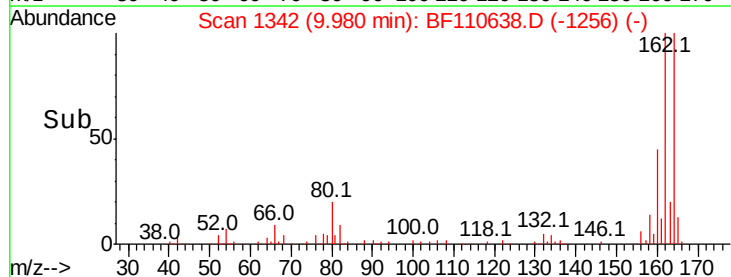
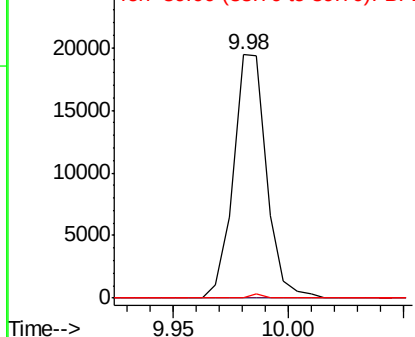


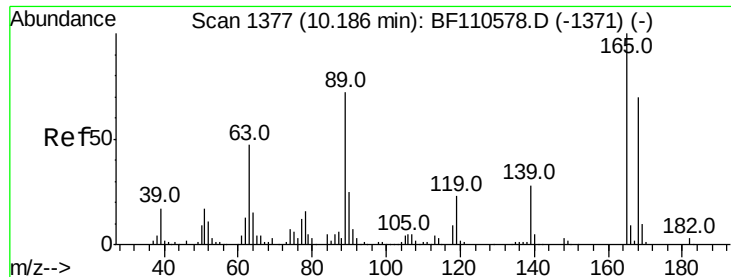
#51
 2,6-Dinitrotoluene
 Concen: 7.447 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110638.D
 Acq: 9 Nov 2018 20:14

Tgt Ion:165 Resp: 19484
 Ion Ratio Lower Upper
 165 100
 63 0.0 48.9 73.3#
 89 0.0 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

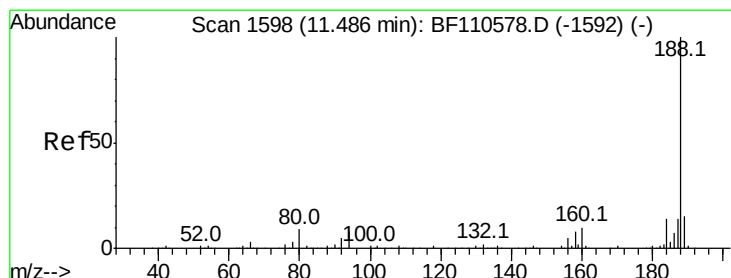
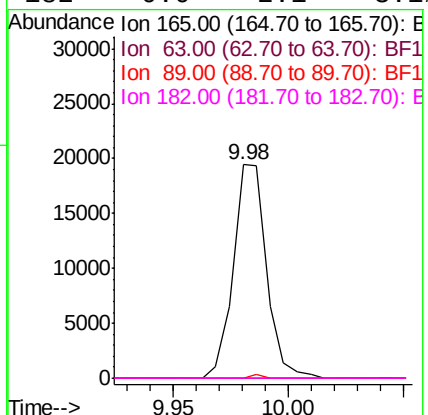
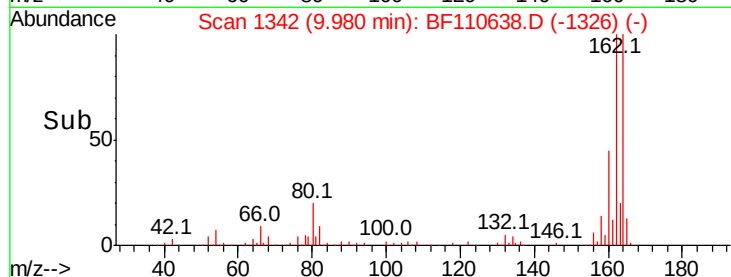
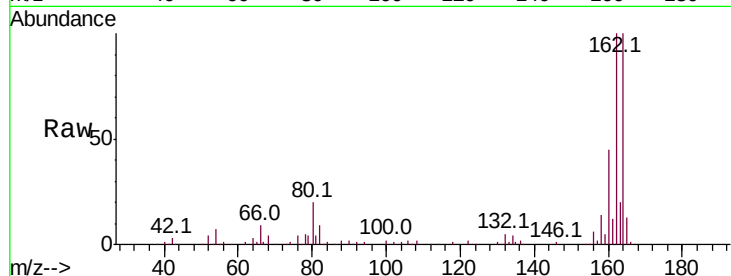




#57
 2,4-Dinitrotoluene
 Concen: 5.728 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110638.D
 Acq: 9 Nov 2018 20:14

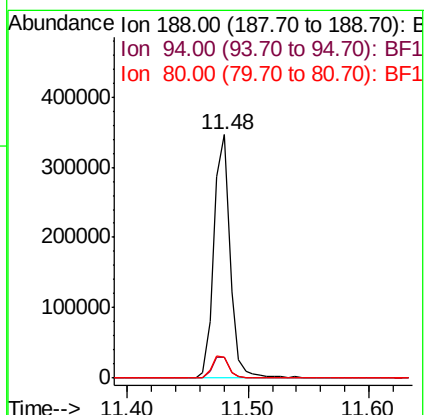
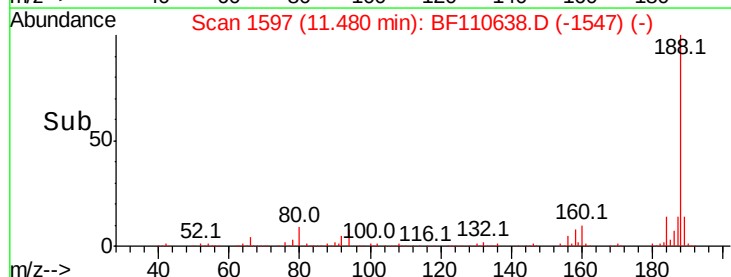
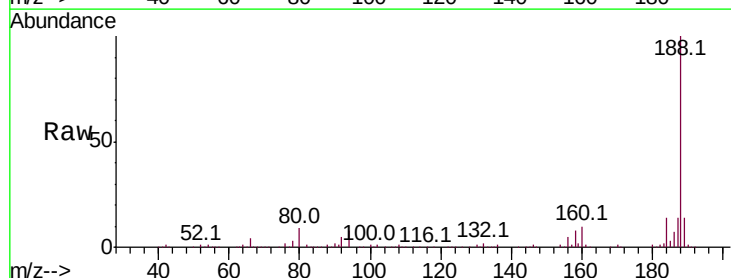
Instrument :
 BNA_F
 ClientSampleId :

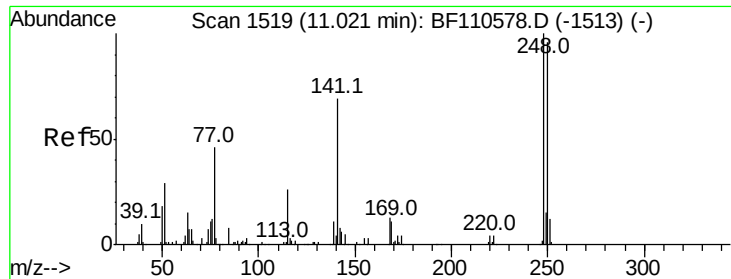
Tot Ion:165 Resp: 19484
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110638.D
 Acq: 9 Nov 2018 20:14

Tgt Ion:188 Resp: 319098
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 8.6 7.9 11.9

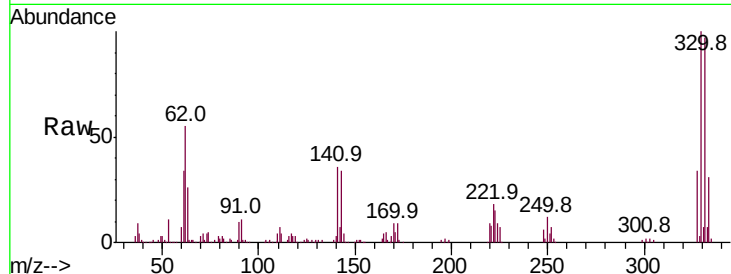




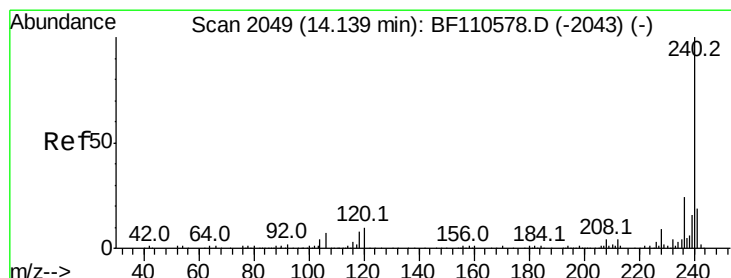
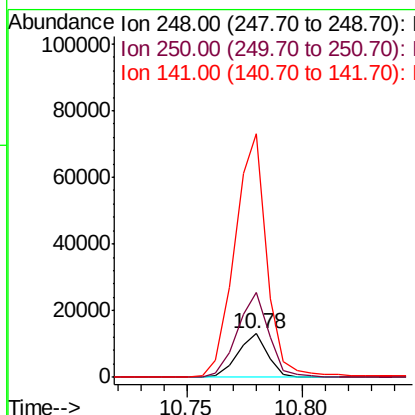
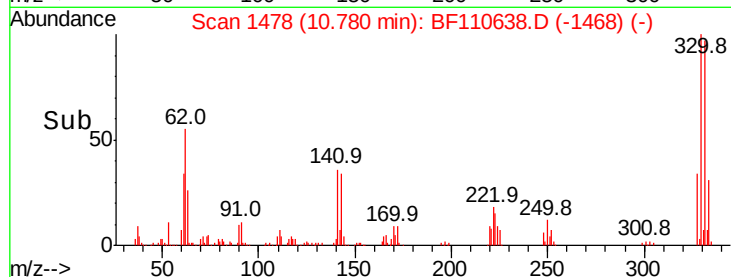
#67
4-Bromophenyl-phenylether
Concen: 3.379 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11917
Ion Ratio Lower Upper
248 100
250 193.6 79.4 119.2#
141 555.5 55.9 83.9#

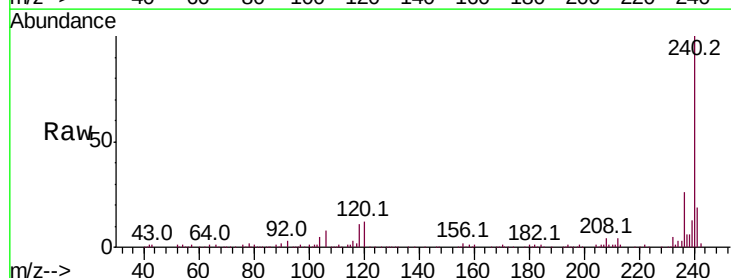


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

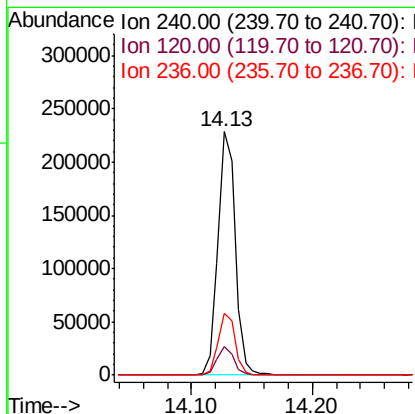
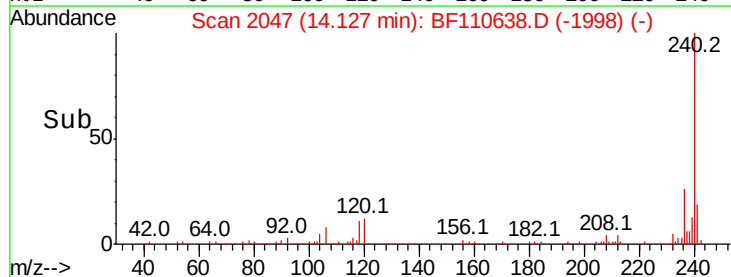


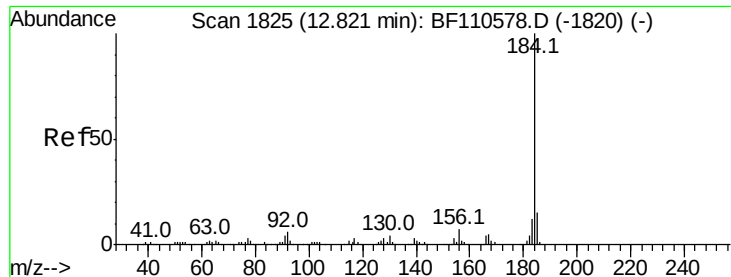
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110638.D
Acq: 9 Nov 2018 20:14

Tgt Ion:240 Resp: 225056
Ion Ratio Lower Upper
240 100
120 12.0 8.3 12.5
236 25.6 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: 2.063 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.24 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

Instrument :

BNA_F

ClientSampleId :

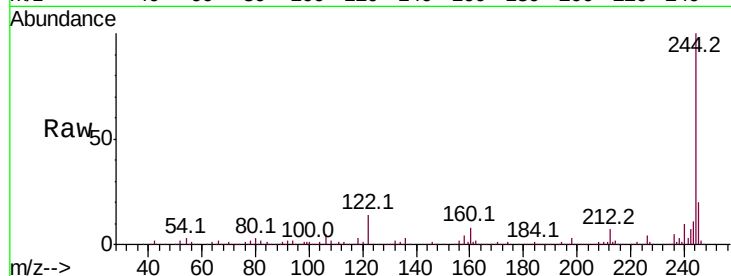
Tot Ion:184 Resp: 12771

Ion Ratio Lower Upper

184 100

185 18.3 13.4 20.2

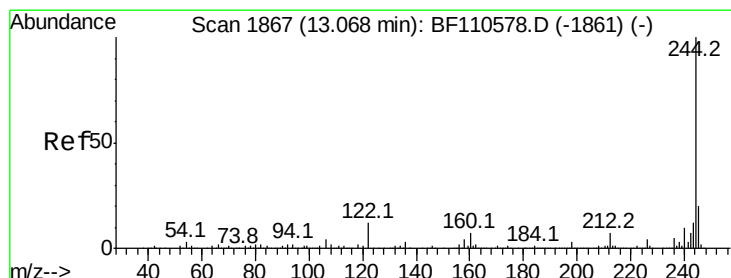
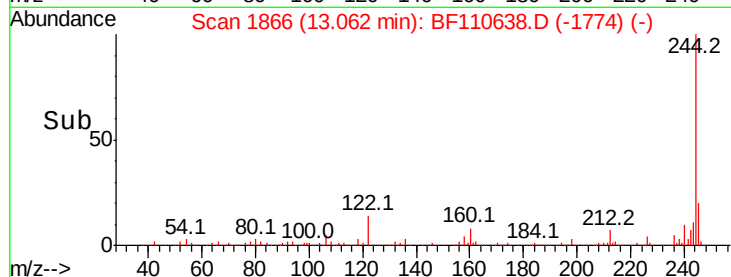
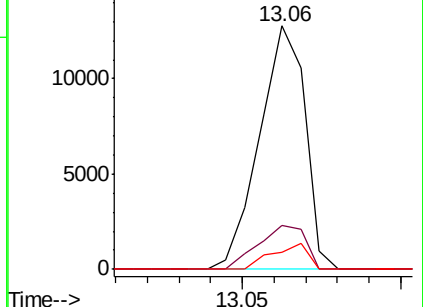
183 7.3 9.4 14.2#



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: 79.933 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110638.D

Acq: 9 Nov 2018 20:14

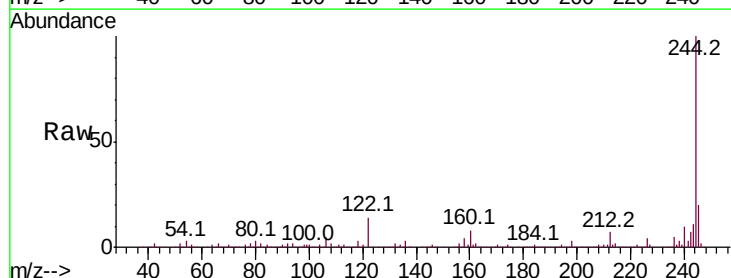
Tgt Ion:244 Resp: 960576

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

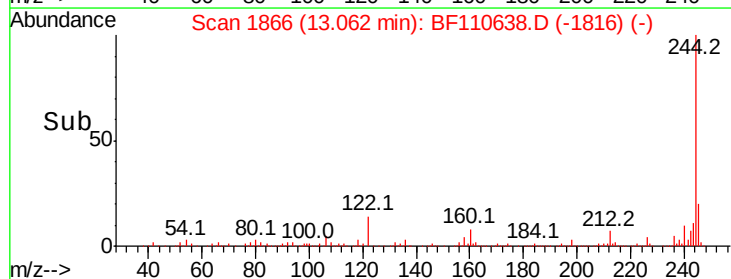
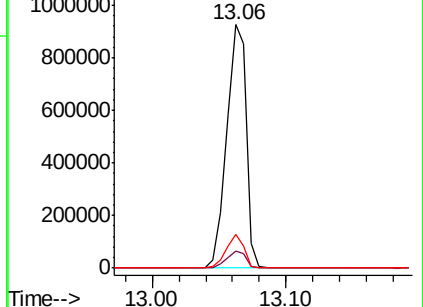
122 13.7 8.7 13.1#

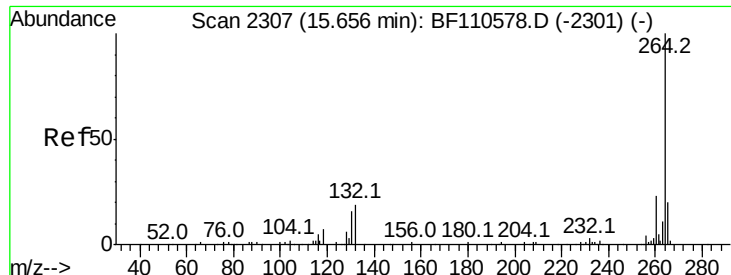


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

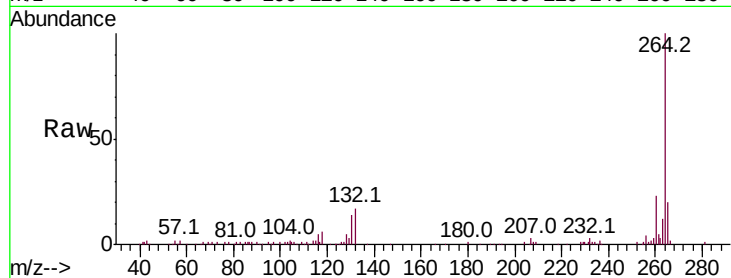




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: BF110638.D
 Acq: 9 Nov 2018 20:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	20.3	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

