

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098623.D
 Acq On : 19 Sep 2017 1:44
 Operator : SJ/JU
 Sample : I5260-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:42:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

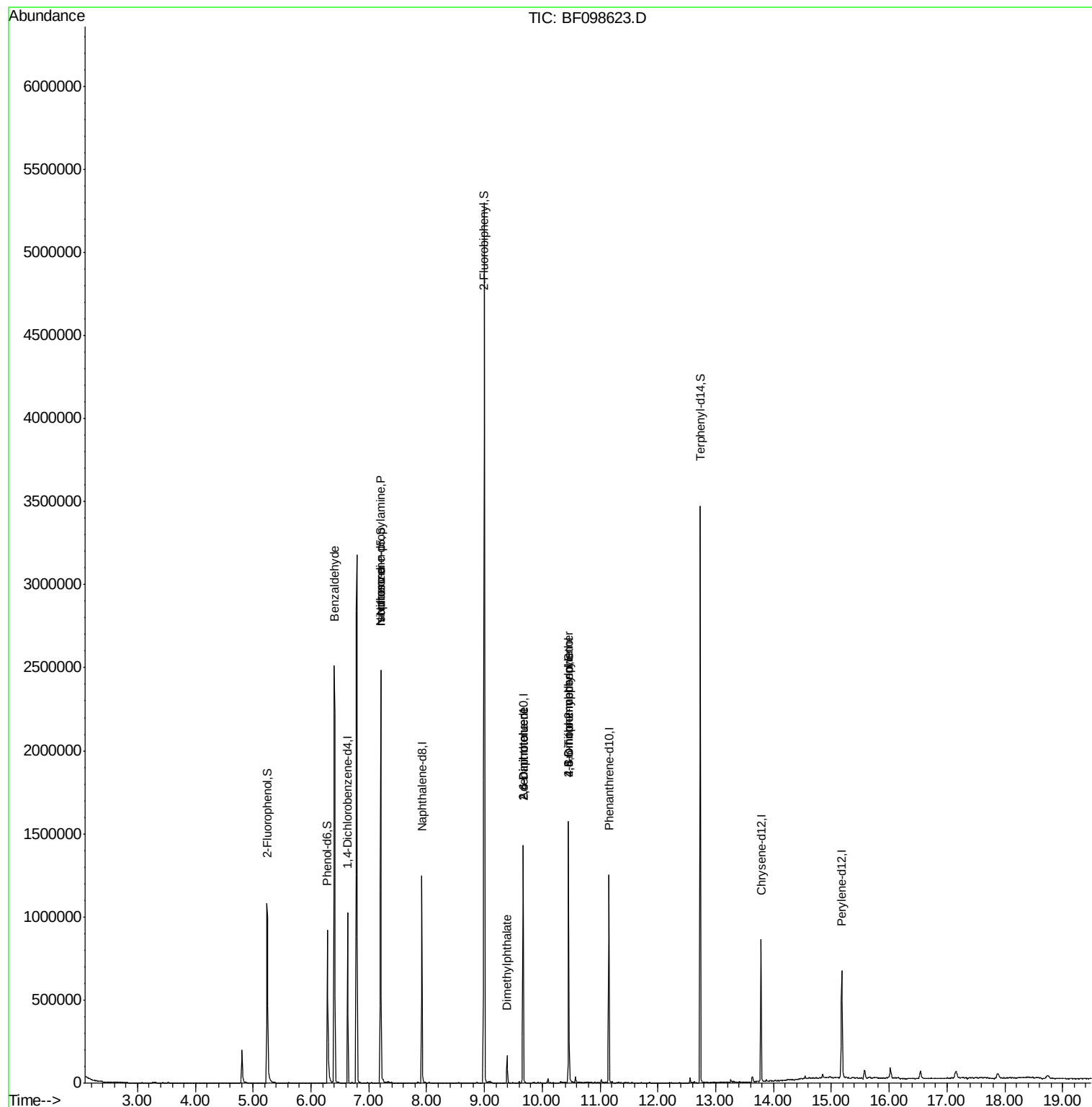
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	138576	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	545278	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	262542	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	412803	20.00	ng	0.00
75) Chrysene-d12	13.79	240	284659	20.00	ng	0.00
86) Perylene-d12	15.18	264	248677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	342659	36.56	ng	0.00
7) Phenol-d6	6.29	99	310744	26.11	ng	0.00
23) Nitrobenzene-d5	7.21	82	801845	81.98	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	156605	89.37	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1666613	107.59	ng	0.00
78) Terphenyl-d14	12.73	244	1109690	84.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.40	77	15650	2.012	ng	# 71
19) n-Nitroso-di-n-propylamine	7.21	70	108933	14.553	ng	# 78
25) Isophorone	7.21	82	801836	40.519	ng	# 67
49) Dimethylphthalate	9.39	163	59767	2.941	ng	100
50) 2,6-Dinitrotoluene	9.67	165	33839	8.106	ng	# 34
56) 2,4-Dinitrotoluene	9.67	165	33839	6.668	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.46	198	276	5.062	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	12228	3.121	ng	# 1

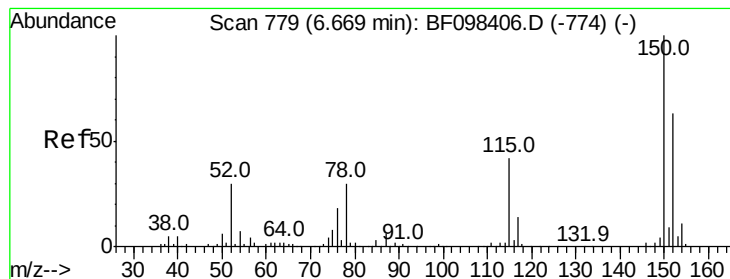
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

Instrument :

BNA_F

ClientSampleId :

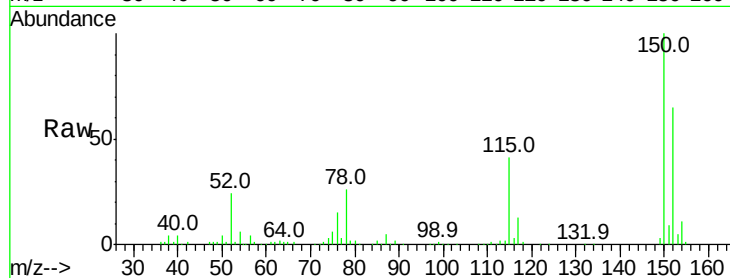
Tot Ion:152 Resp: 138576

Ion Ratio Lower Upper

152 100

150 153.8 126.2 189.2

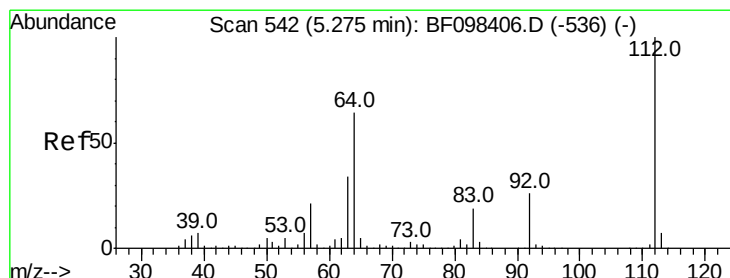
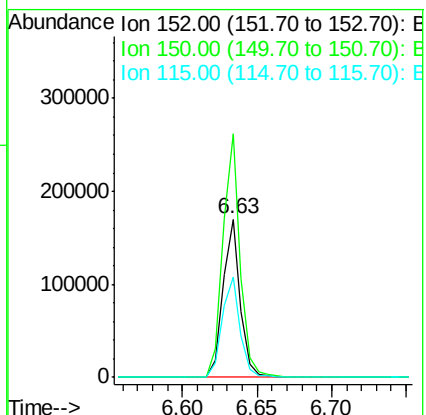
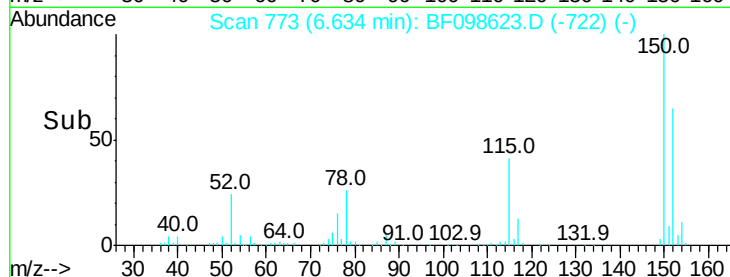
115 62.9 52.2 78.2



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: 36.560 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

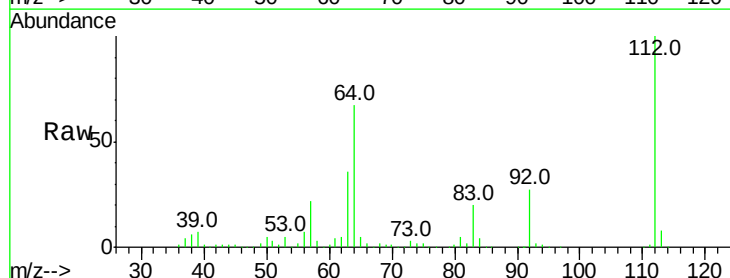
Tgt Ion:112 Resp: 342659

Ion Ratio Lower Upper

112 100

64 67.4 46.0 69.0

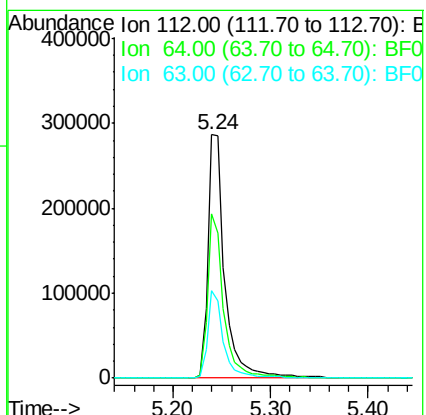
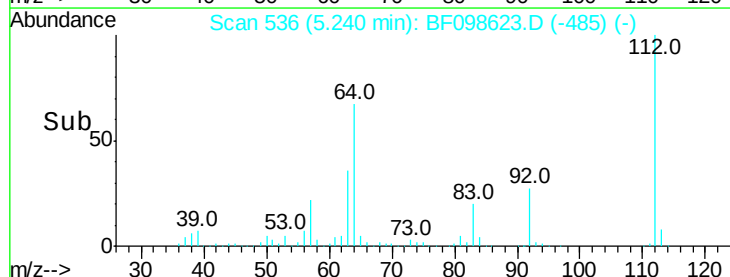
63 36.1 23.4 35.0#

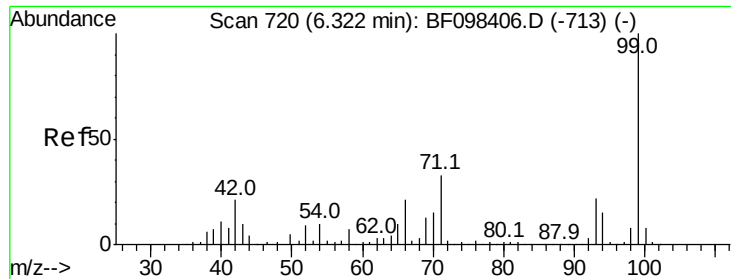


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.113 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

Instrument :

BNA_F

ClientSampled :

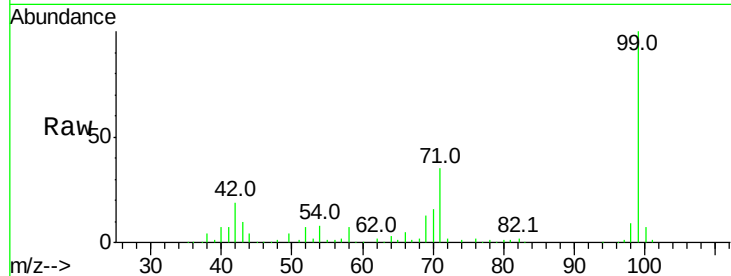
Tot Ion: 99 Resp: 310744

Ion Ratio Lower Upper

99 100

42 19.2 13.5 20.3

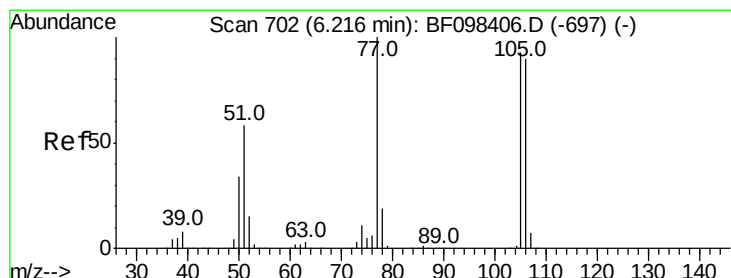
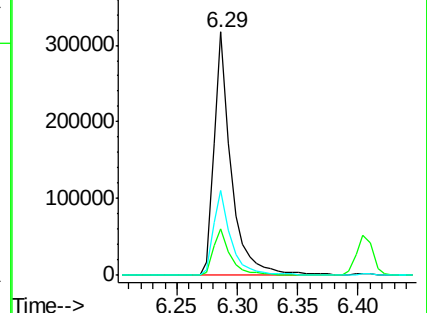
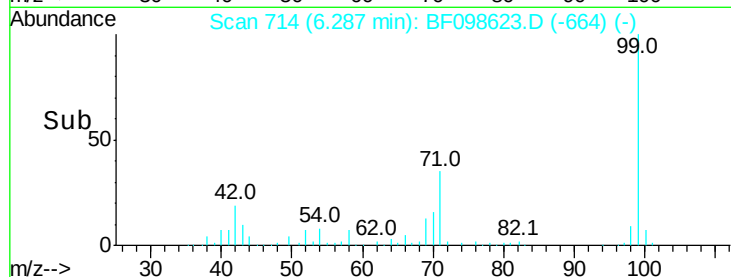
71 34.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.012 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.22 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

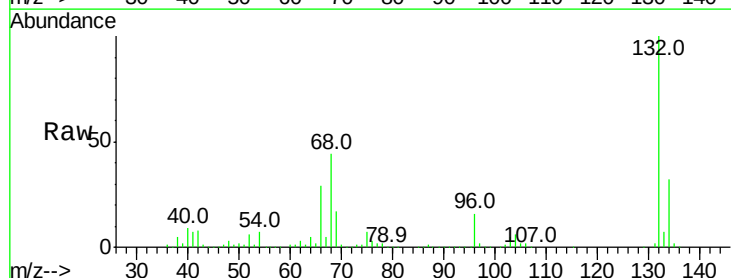
Tgt Ion: 77 Resp: 15650

Ion Ratio Lower Upper

77 100

105 74.2 83.8 123.8#

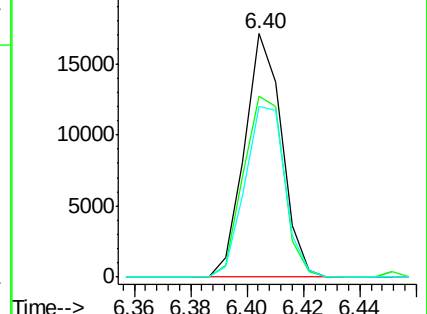
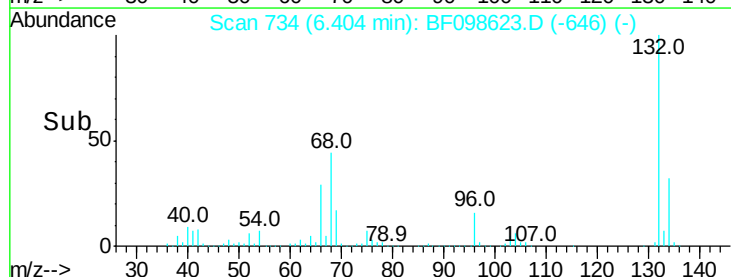
106 70.3 79.1 119.1#

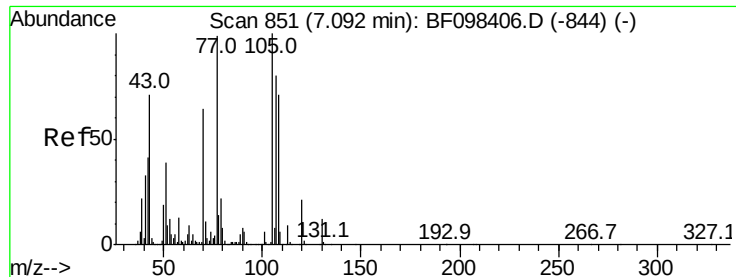


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.553 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.15 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 108933

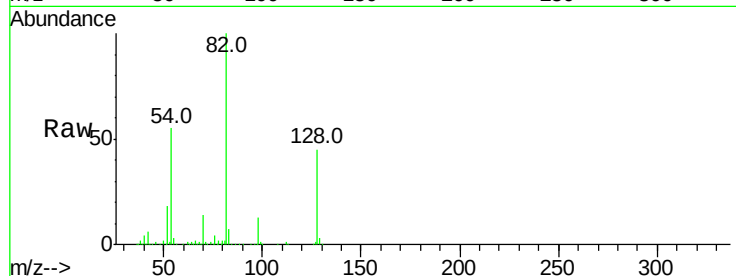
Ion Ratio Lower Upper

70 100

42 47.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

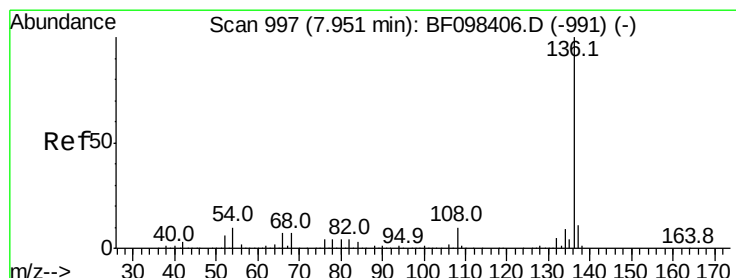
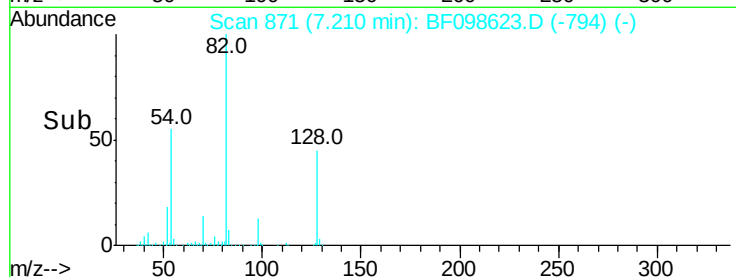
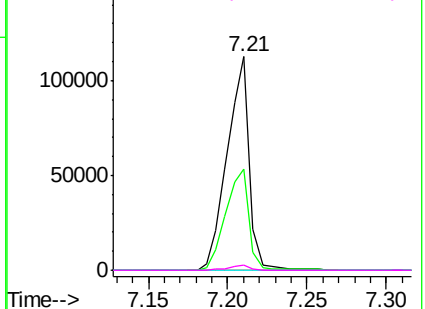


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

Tgt Ion: 136 Resp: 545278

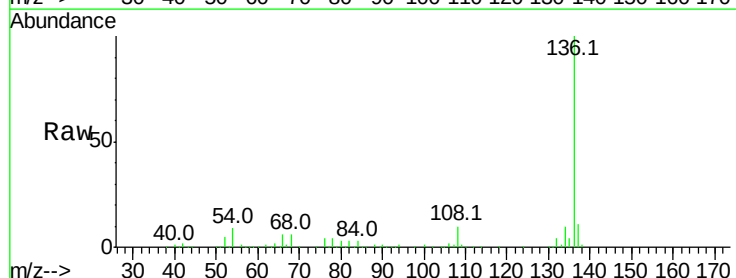
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.5 4.9 7.3#

68 5.7 4.1 6.1

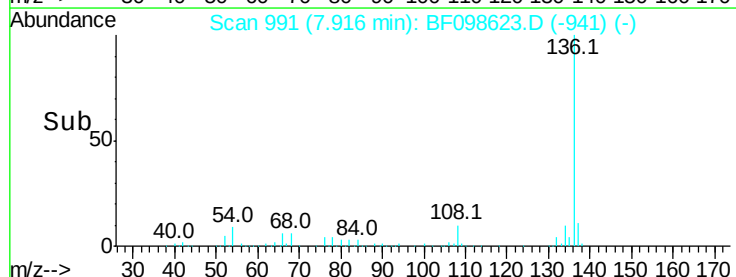
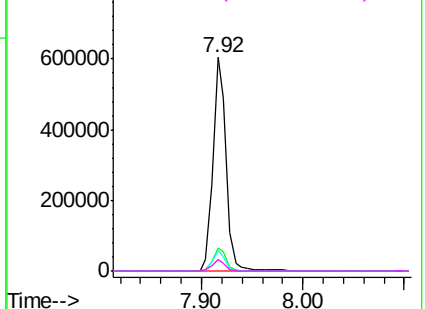


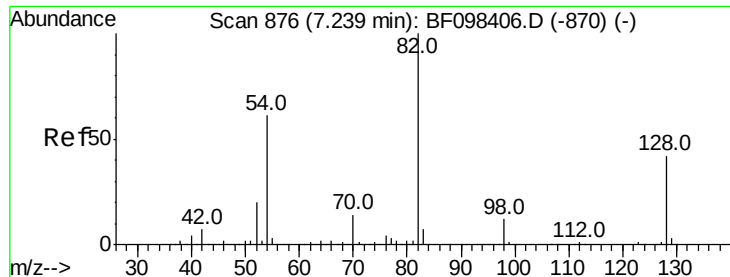
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

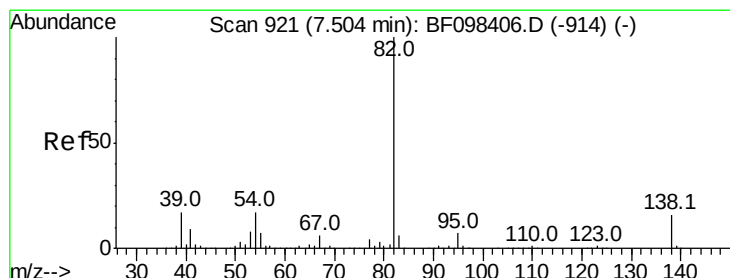
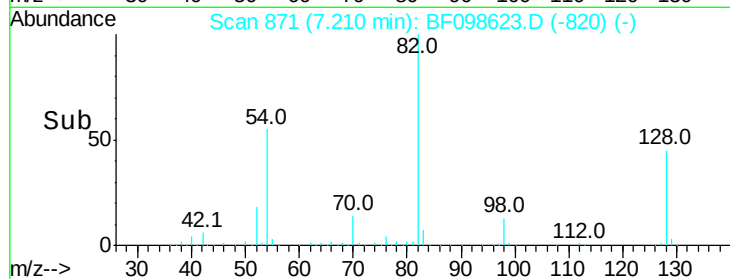
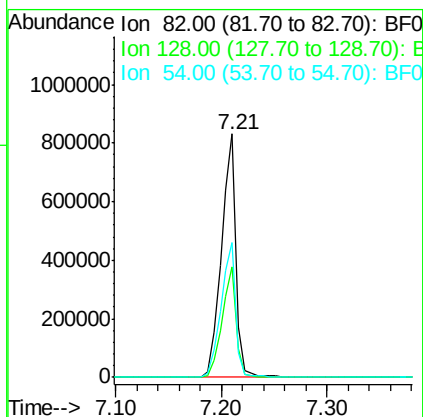
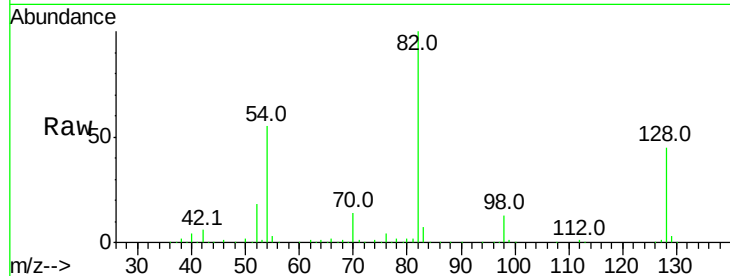




#23
 Nitrobenzene-d5
 Concen: 81.981 ng
 RT: 7.21 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

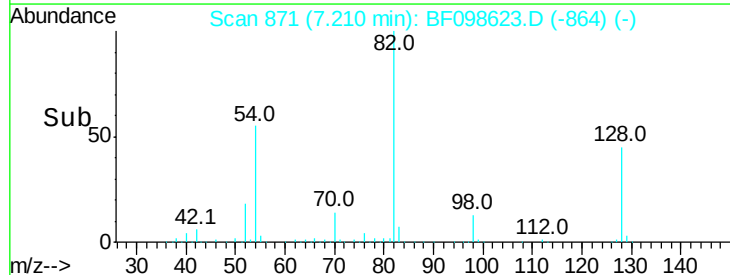
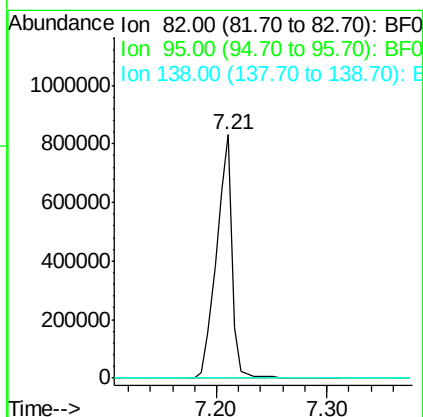
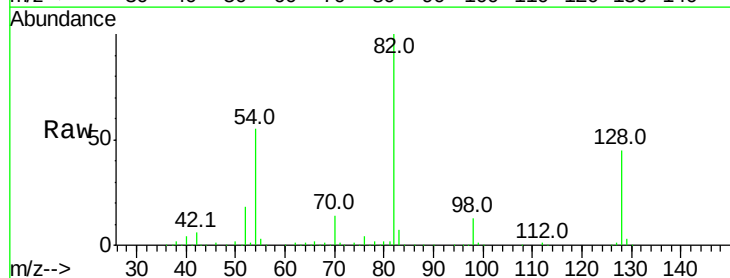
Instrument :
 BNA_F
 ClientSampleId :

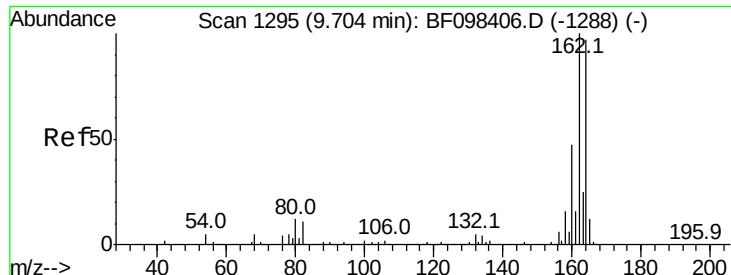
Tot Ion: 82 Resp: 801845
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.0 51.0
 54 55.2 42.2 63.2



#25
 Isophorone
 Concen: 40.519 ng
 RT: 7.21 min Scan# 871
 Delta R.T. -0.26 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Tgt Ion: 82 Resp: 801836
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

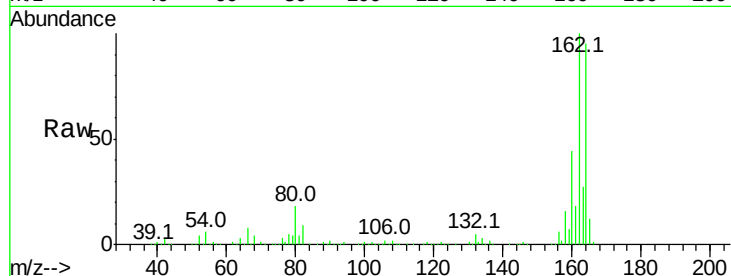




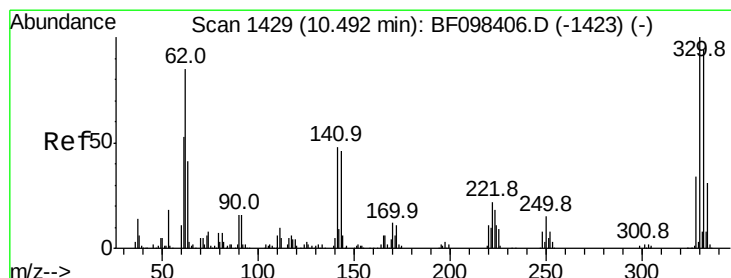
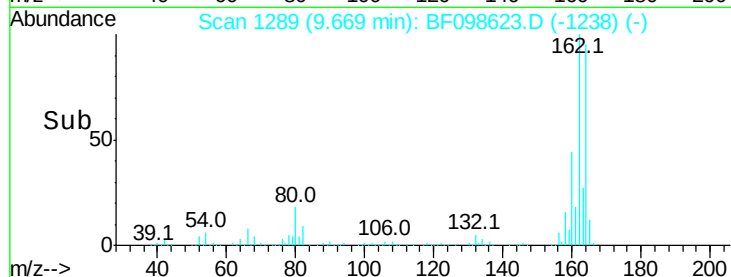
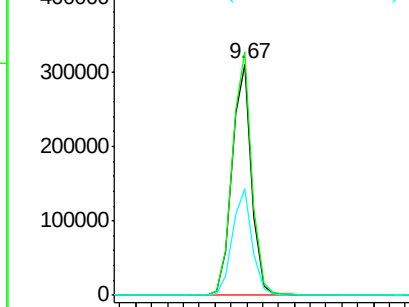
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 262542
 Ion Ratio Lower Upper
 164 100
 162 105.3 82.6 123.8
 160 46.3 36.2 54.2

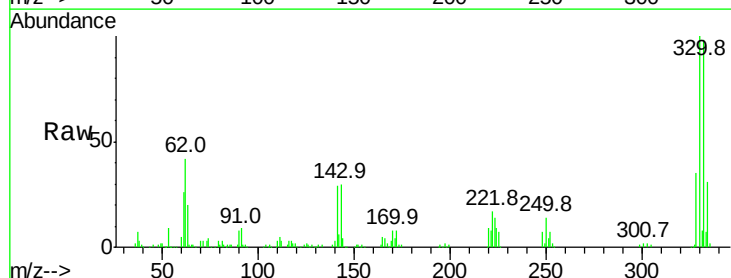


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

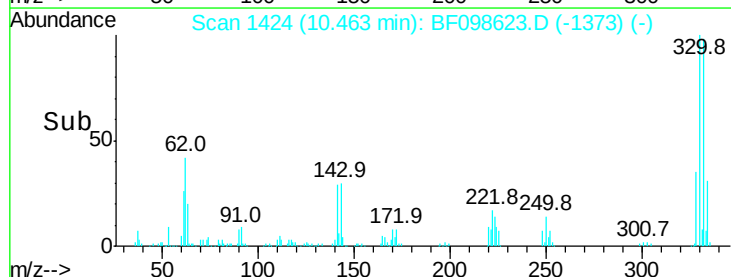
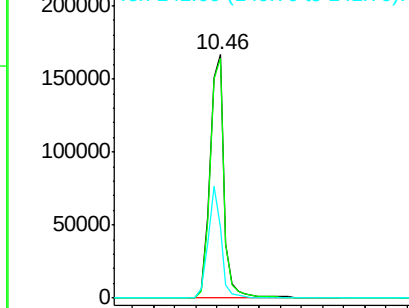


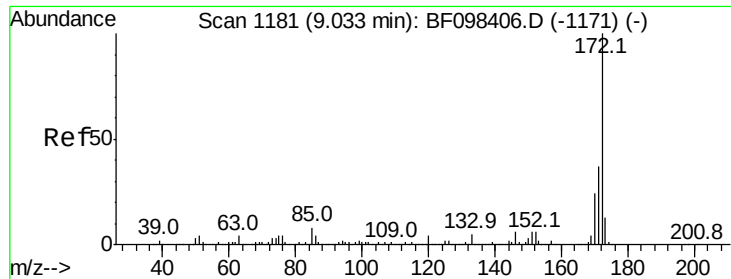
#41
 2,4,6-Tribromophenol
 Concen: 89.373 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Tgt Ion:330 Resp: 156605
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 42.0 31.4 47.2



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



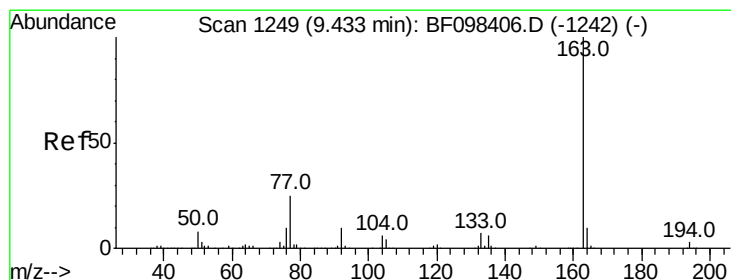
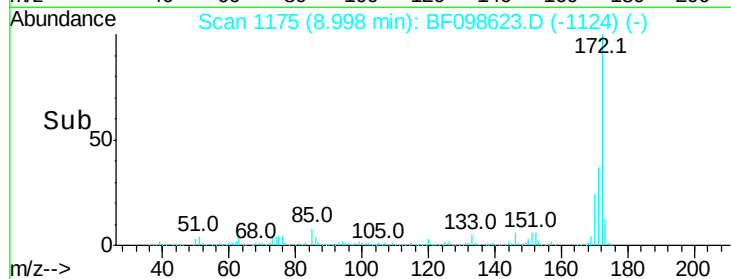
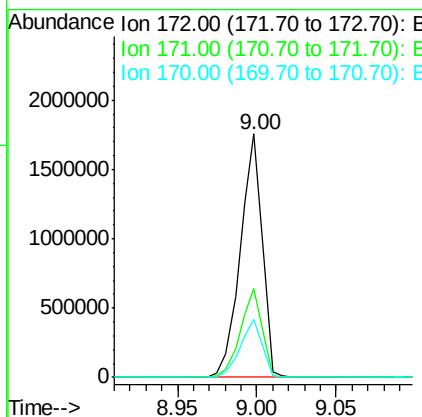
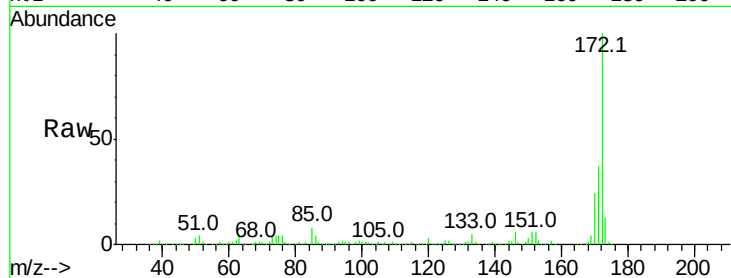


#44
 2-Fluorobiphenyl
 Concen: 107.593 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1666613

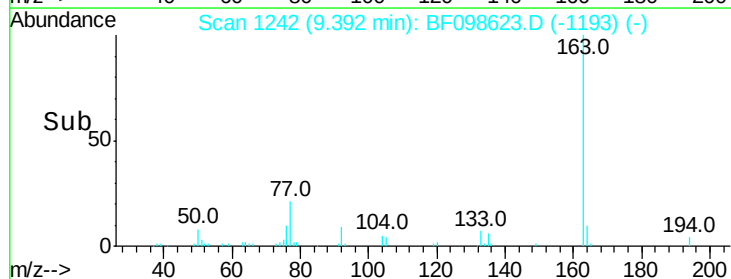
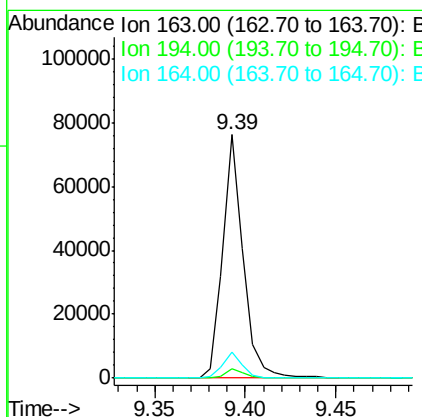
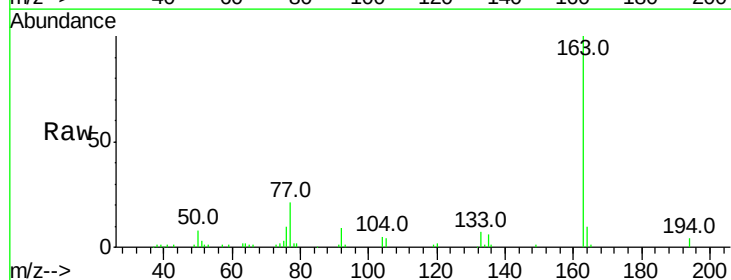
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.0	19.8	29.8

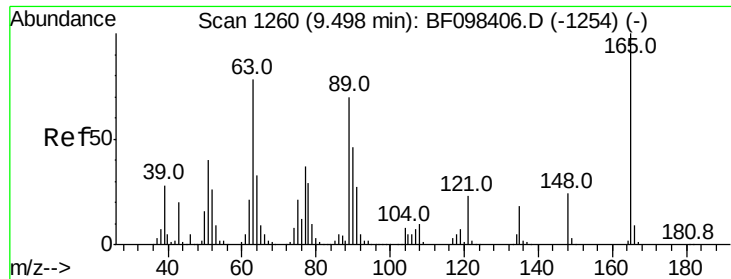


#49
 Dimethylphthalate
 Concen: 2.941 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Tgt Ion:163 Resp: 59767

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.5	8.4	12.6

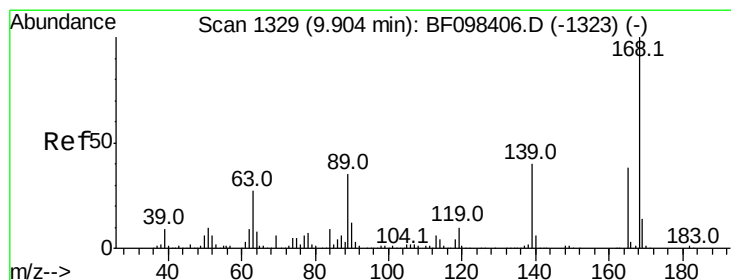
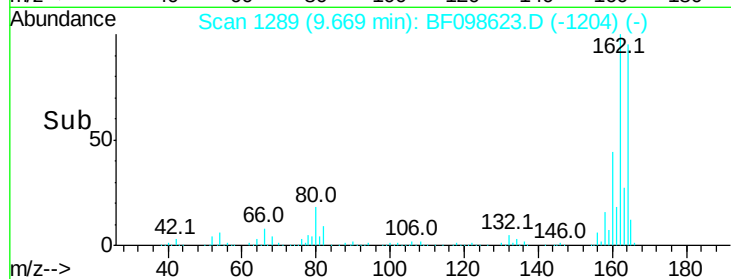
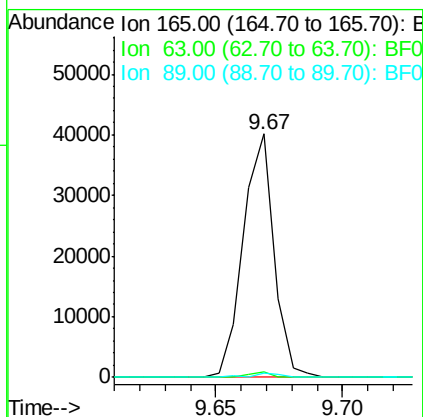
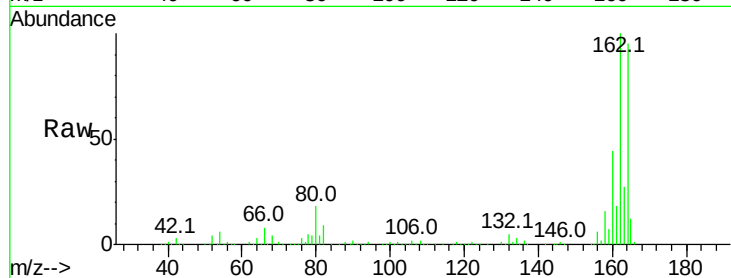




#50
 2,6-Dinitrotoluene
 Concen: 8.106 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. 0.20 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

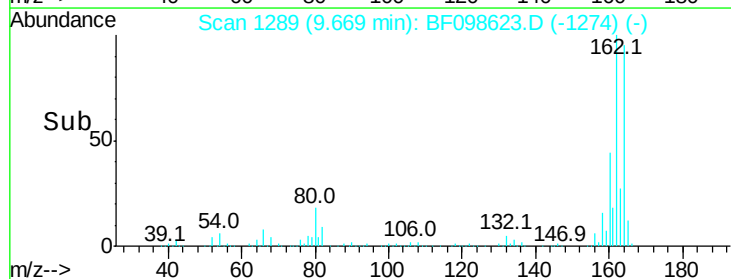
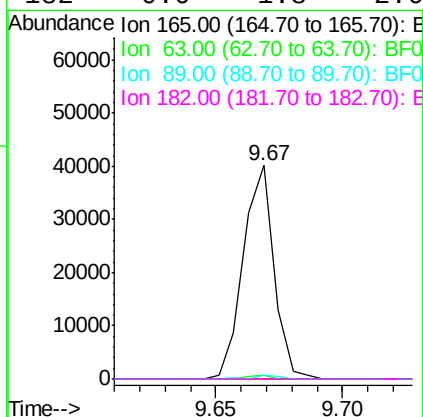
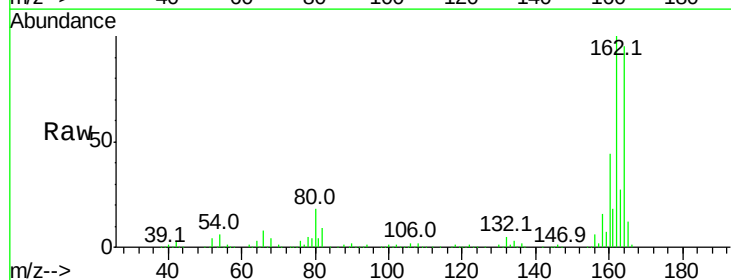
Instrument :
 BNA_F
 ClientSampleId :

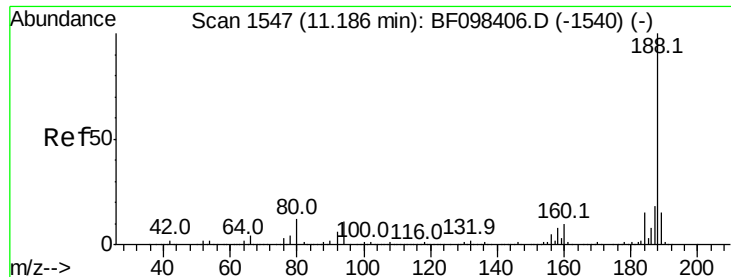
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	34.3	51.5#
89	1.6	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.668 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. -0.21 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

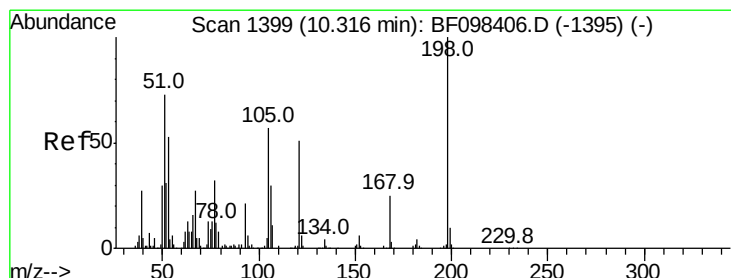
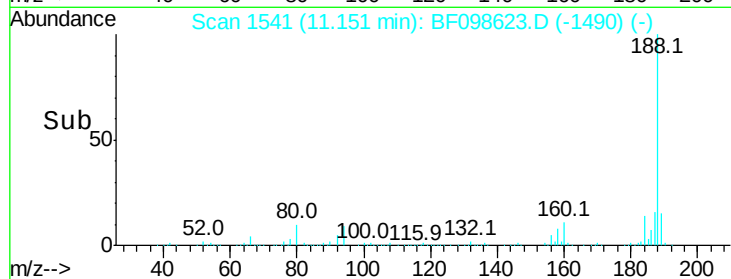
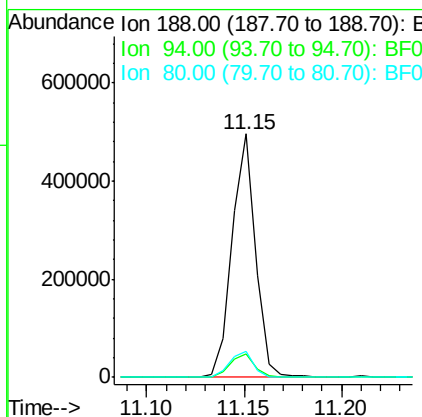
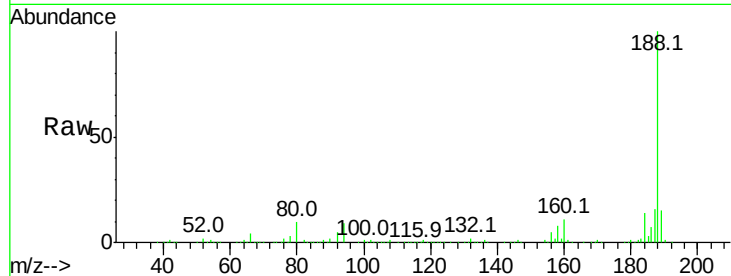




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

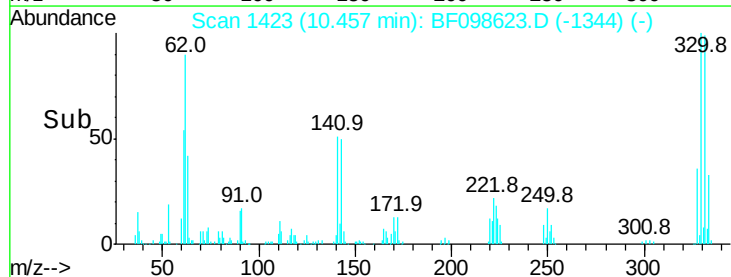
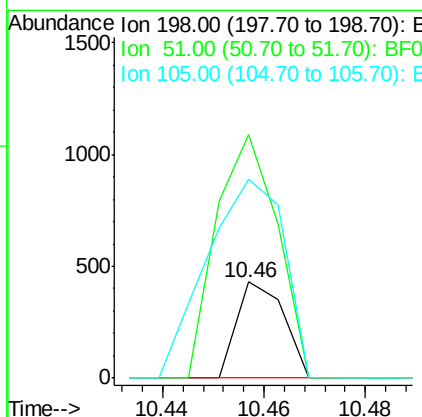
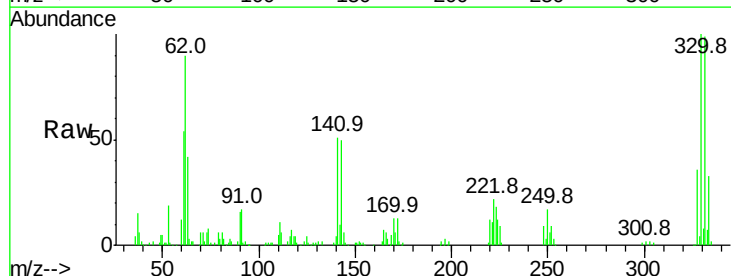
Instrument :
 BNA_F
 ClientSampleId :

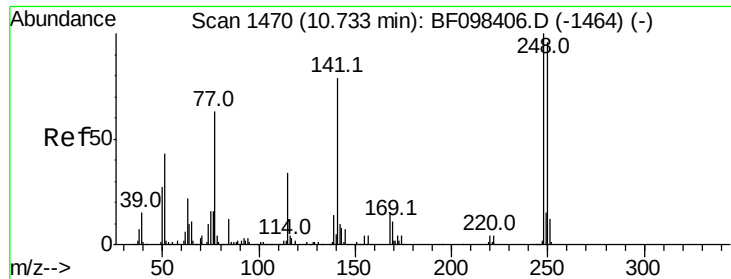
Tot Ion:188 Resp: 412803
 Ion Ratio Lower Upper
 188 100
 94 9.4 9.4 14.2#
 80 10.5 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.062 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.16 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Tgt Ion:198 Resp: 276
 Ion Ratio Lower Upper
 198 100
 51 253.3 53.2 93.2#
 105 206.3 45.8 85.8#

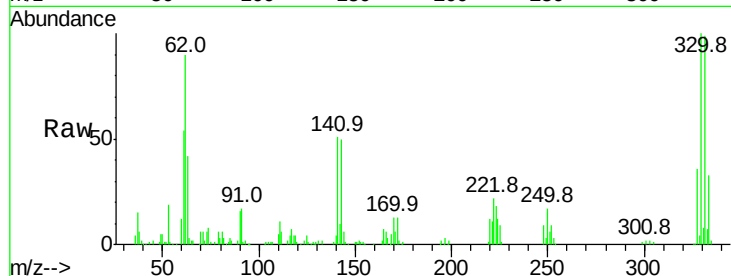




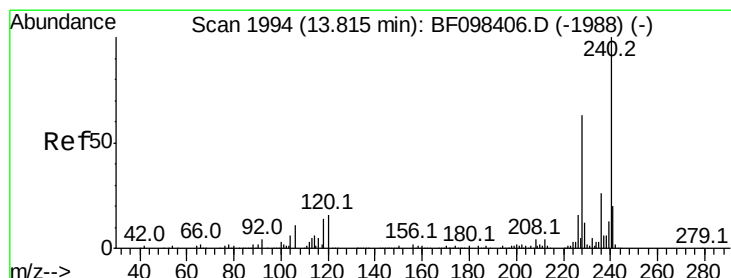
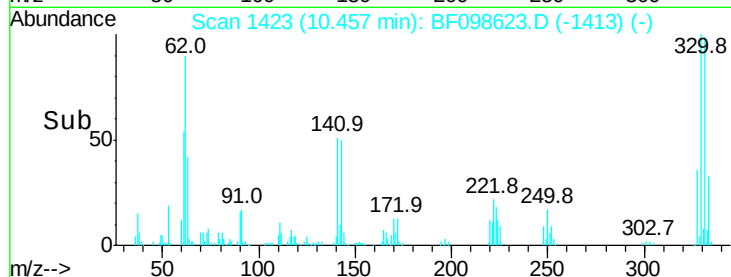
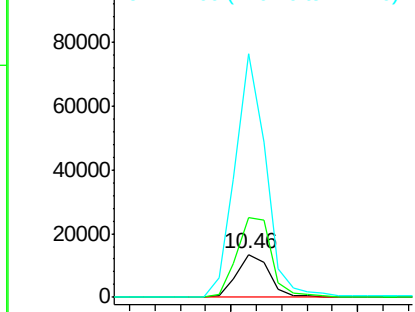
#66
 4-Bromophenyl-phenylether
 Concen: 3.121 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.24 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12228
 Ion Ratio Lower Upper
 248 100
 250 185.4 76.8 115.2#
 141 566.6 68.6 103.0#

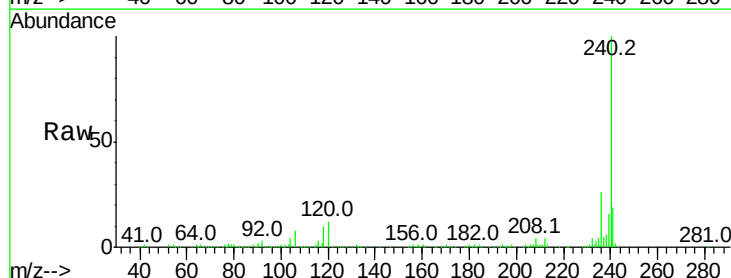


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

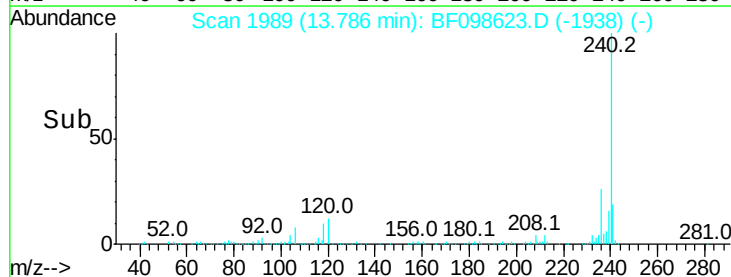
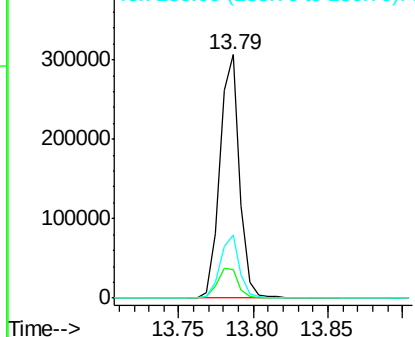


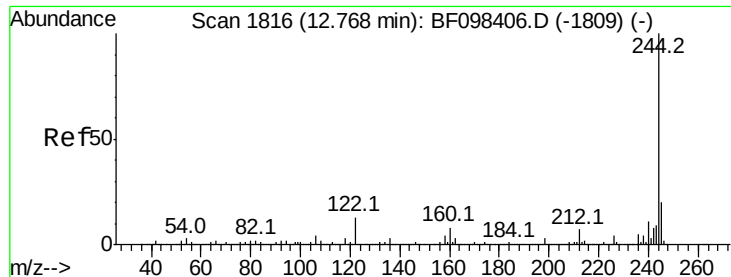
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: BF098623.D
 Acq: 19 Sep 2017 1:44

Tgt Ion:240 Resp: 284659
 Ion Ratio Lower Upper
 240 100
 120 11.7 5.8 8.8#
 236 26.0 20.5 30.7



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

Terphenyl-d14

Concen: 84.144 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

Instrument :

BNA_F

ClientSampled :

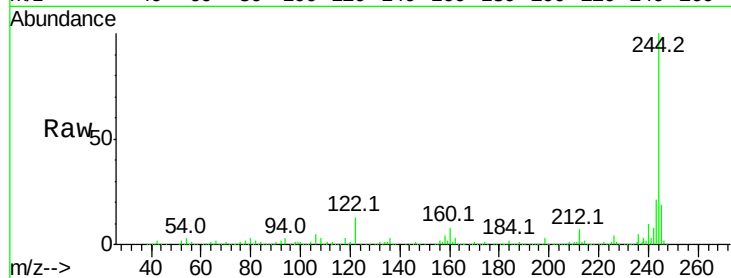
Tot Ion:244 Resp: 1109690

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

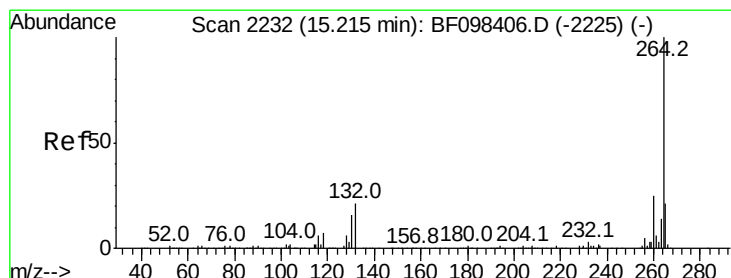
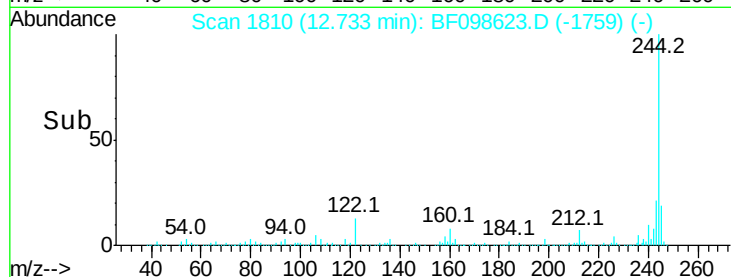
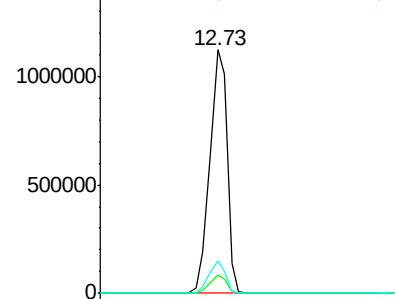
122 13.4 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF098623.D

Acq: 19 Sep 2017 1:44

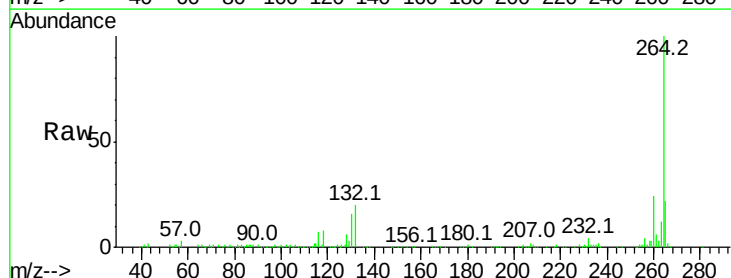
Tgt Ion:264 Resp: 248677

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 21.6 17.2 25.8



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

