

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090217\
 Data File : BF098267.D
 Acq On : 3 Sep 2017 1:12
 Operator : SJ/JU
 Sample : I5048-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 07:30:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	95451	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	327576	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	104480	20.00	ng	-0.04
63) Phenanthrene-d10	11.27	188	82774	20.00	ng	0.00
75) Chrysene-d12	13.89	240	239676	20.00	ng	-0.01
86) Perylene-d12	15.29	264	195343	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	865490	137.92	ng	-0.03
7) Phenol-d6	6.36	99	1141587	133.89	ng	-0.03
23) Nitrobenzene-d5	7.28	82	634822	105.28	ng	-0.04
41) 2,4,6-Tribromophenol	10.56	330	107715	118.82	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	816938	114.88	ng	-0.04
78) Terphenyl-d14	12.86	244	468001	40.72	ng	0.01

Target Compounds

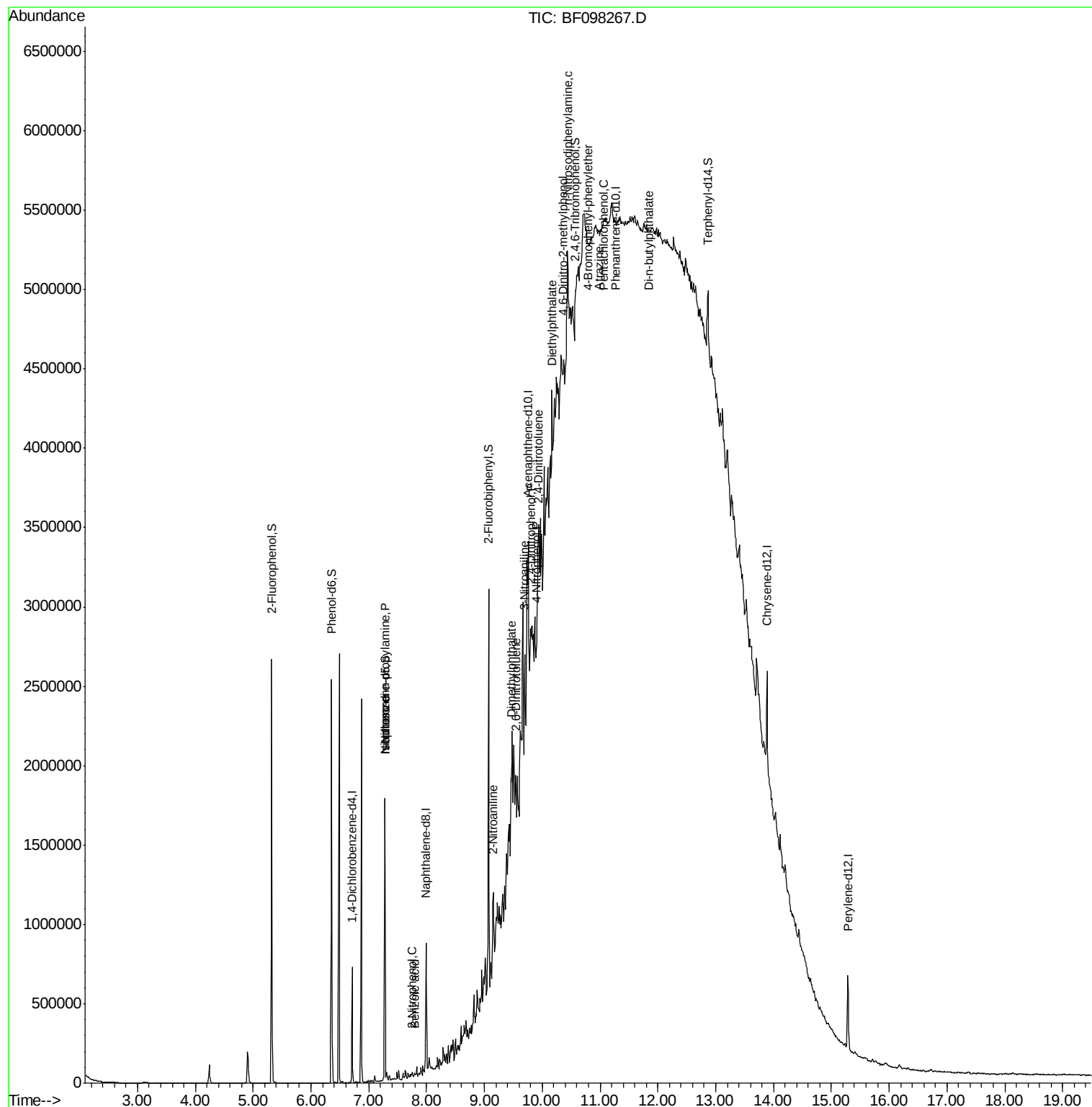
						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	82948	14.211	ng	# 71
25) Isophorone	7.28	82	622832	49.674	ng	# 67
26) 2-Nitrophenol	7.74	139	122	5.303	ng	# 1
32) Benzoic acid	7.79	122	149	6.438	ng	# 11
47) 2-Nitroaniline	9.15	65	4862	2.060	ng	94
49) Dimethylphthalate	9.47	163	52989	6.938	ng	# 90
50) 2,6-Dinitrotoluene	9.55	165	7285	4.779	ng	# 40
52) 3-Nitroaniline	9.70	138	7399	3.762	ng	# 21
53) 2,4-Dinitrophenol	9.80	184	424	10.652	ng	# 1
55) 4-Nitrophenol	9.89	139	3987	2.541	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	7332	3.832	ng	# 52
59) Diethylphthalate	10.18	149	33276	4.167	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.37	198	940	10.313	ng	# 1
65) n-Nitrosodiphenylamine	10.44	169	17649	6.261	ng	# 79
66) 4-Bromophenyl-phenylether	10.80	248	4528	5.268	ng	# 1
68) Atrazine	10.99	200	7402	9.902	ng	# 1
69) Pentachlorophenol	11.06	266	2193	4.293	ng	# 1
73) Di-n-butylphthalate	11.84	149	32658	6.677	ng	# 33

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

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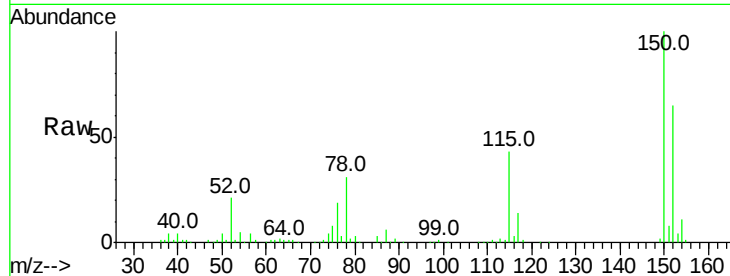


#1

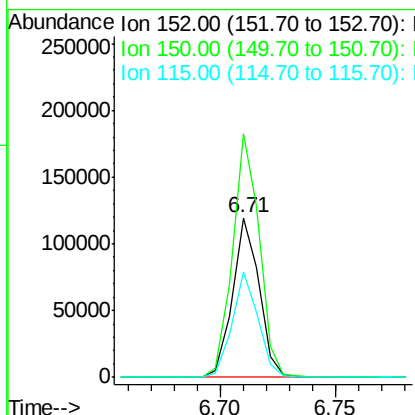
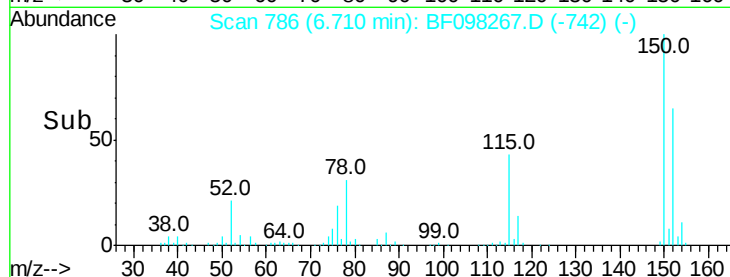
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.04 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 95451
 Ion Ratio Lower Upper
 152 100
 150 152.8 126.2 189.2
 115 66.0 52.2 78.2



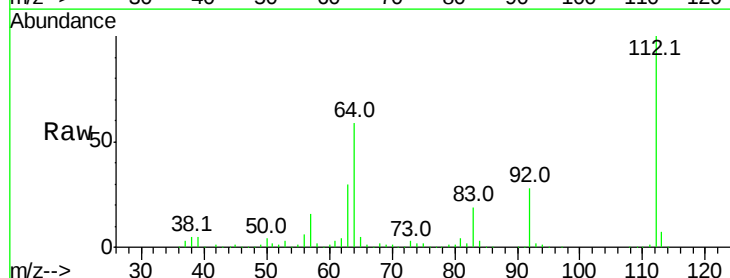
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



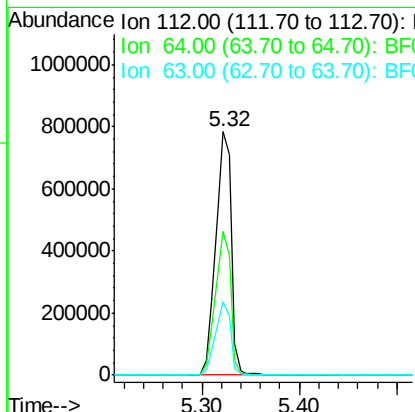
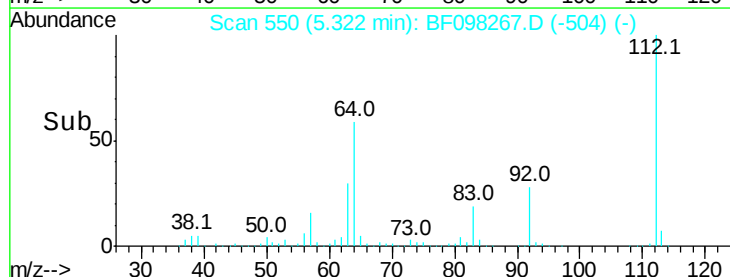
#5

2-Fluorophenol
 Concen: 137.921 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.03 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

Tgt Ion:112 Resp: 865490
 Ion Ratio Lower Upper
 112 100
 64 59.3 46.0 69.0
 63 30.0 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: 133.891 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Instrument :

BNA_F

ClientSampleId :

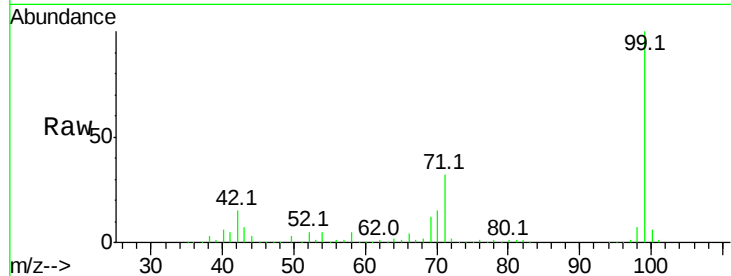
Tot Ion: 99 Resp: 1141587

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

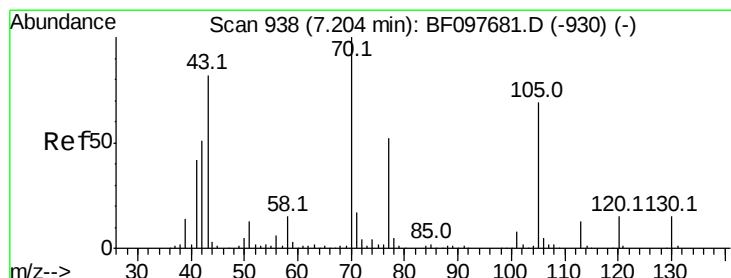
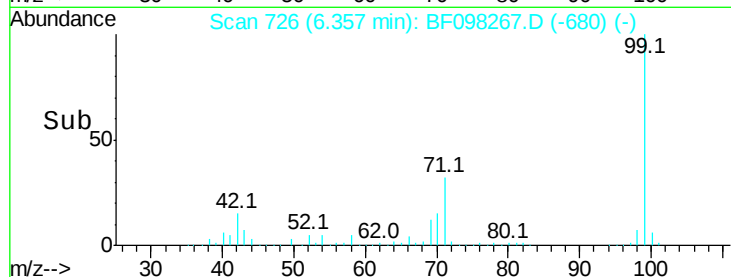
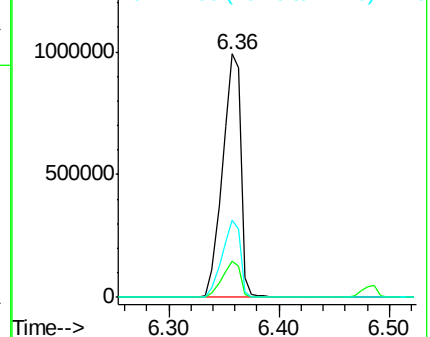
71 31.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.211 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Tgt Ion: 70 Resp: 82948

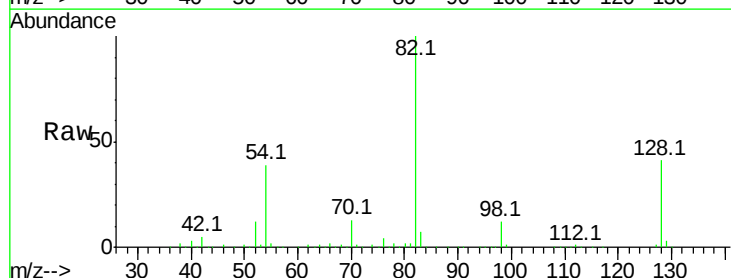
Ion Ratio Lower Upper

70 100

42 38.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

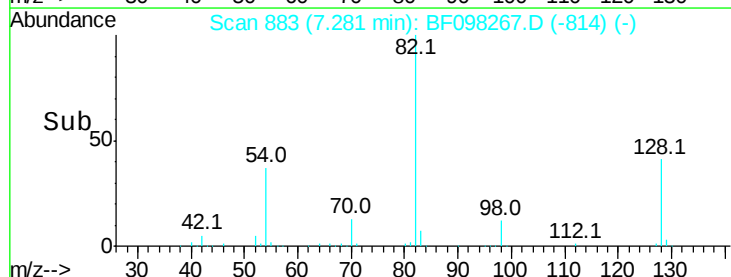
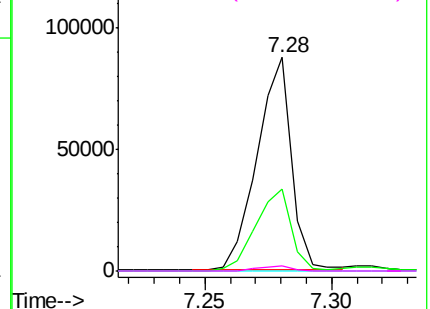


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.99 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 327576

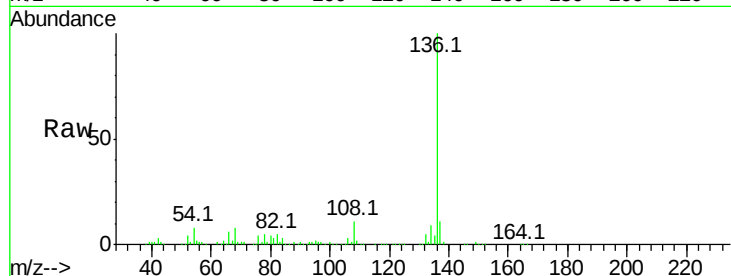
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.1 4.9 7.3#

68 8.3 4.1 6.1#

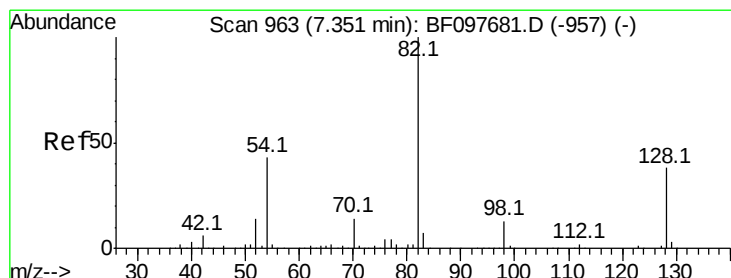
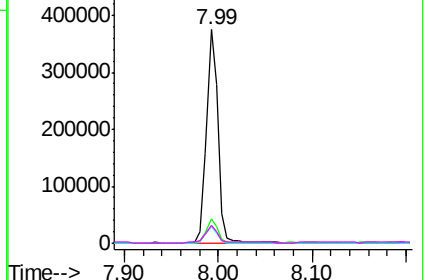
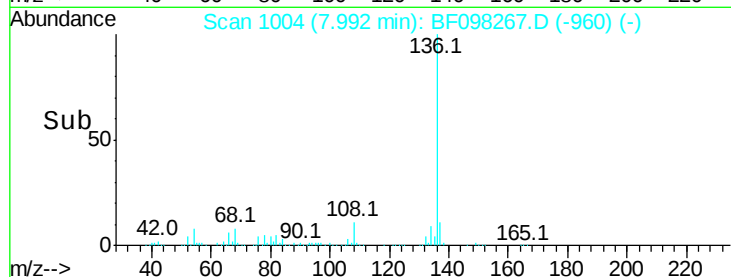


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 105.278 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.04 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

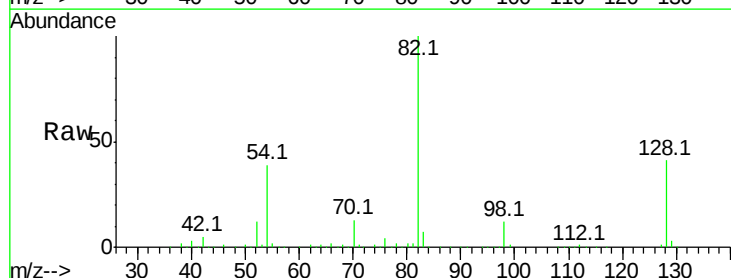
Tgt Ion: 82 Resp: 634822

Ion Ratio Lower Upper

82 100

128 40.7 34.0 51.0

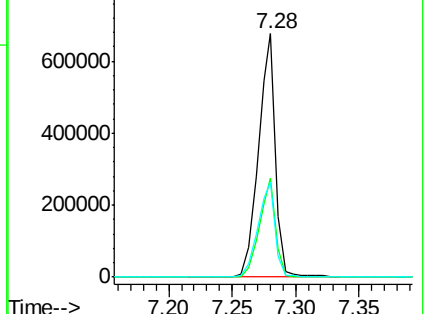
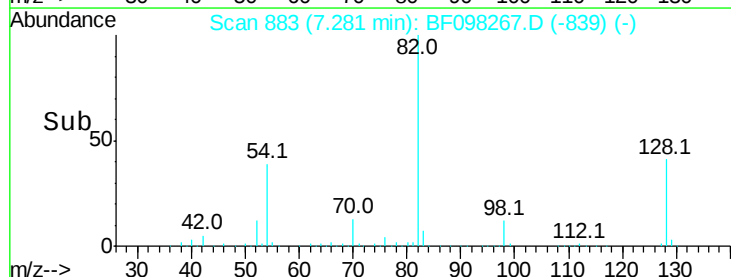
54 39.1 42.2 63.2#

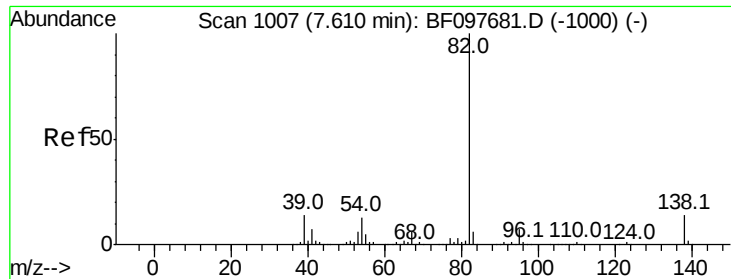


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 49.674 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.30 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Instrument :

BNA_F

ClientSampled :

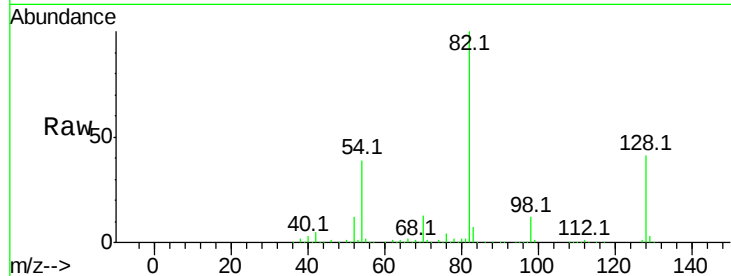
Tot Ion: 82 Resp: 622832

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

7.28

800000

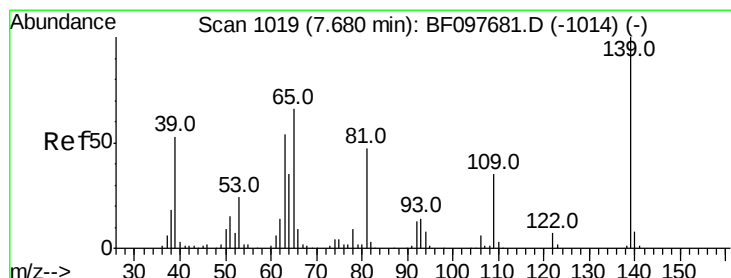
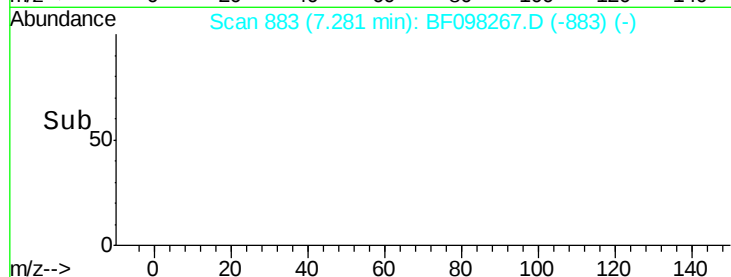
600000

400000

200000

0

Time-->



#26

2-Nitrophenol

Concen: 5.303 ng

RT: 7.74 min Scan# 961

Delta R.T. 0.09 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

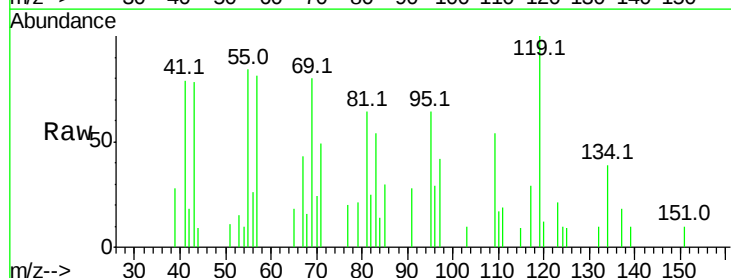
Tgt Ion: 139 Resp: 122

Ion Ratio Lower Upper

139 100

109 549.0 21.0 31.6#

65 181.2 33.0 49.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

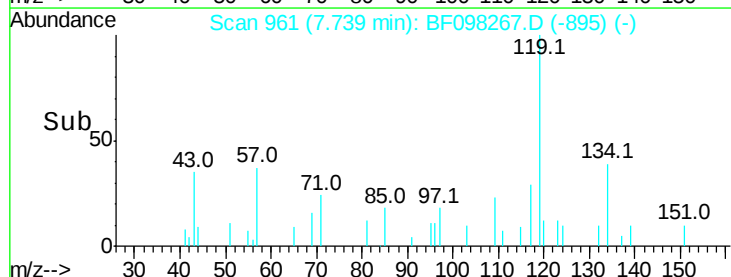
3000

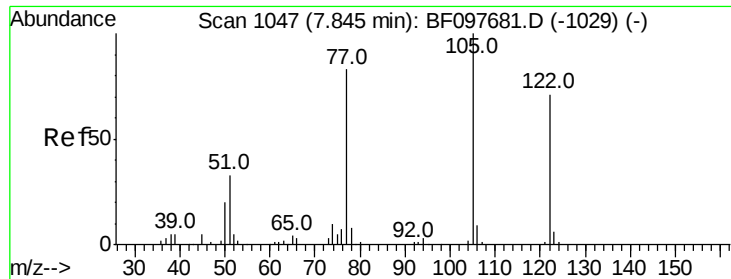
2000

1000

0

Time-->

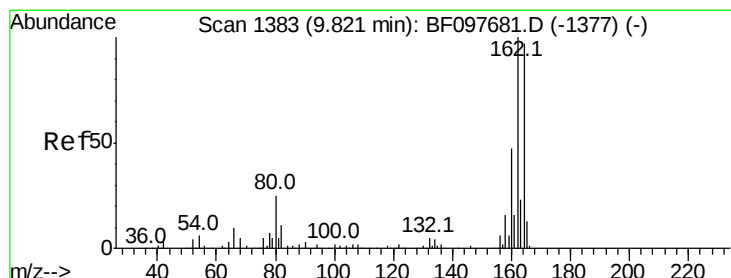
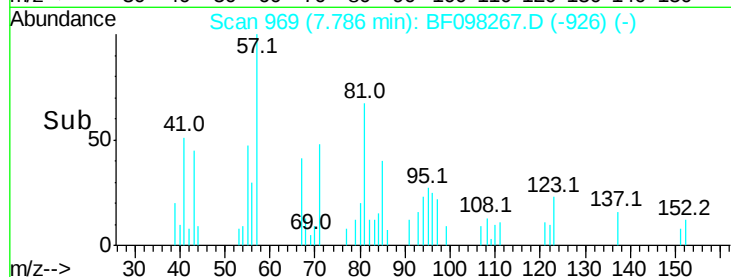
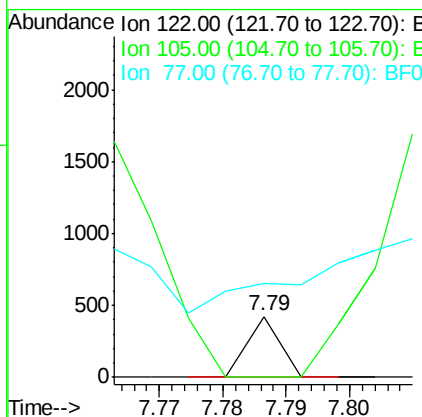
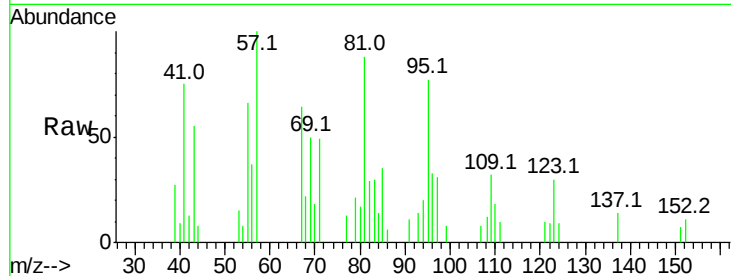




#32
Benzoic acid
Concen: 6.438 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.05 min
Lab File: BF098267.D
Acq: 3 Sep 2017 1:12

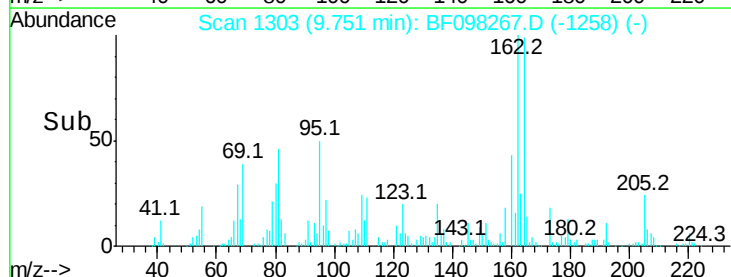
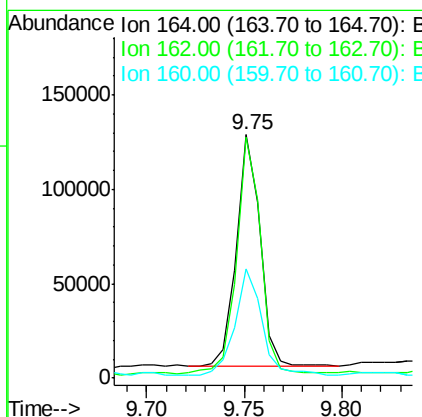
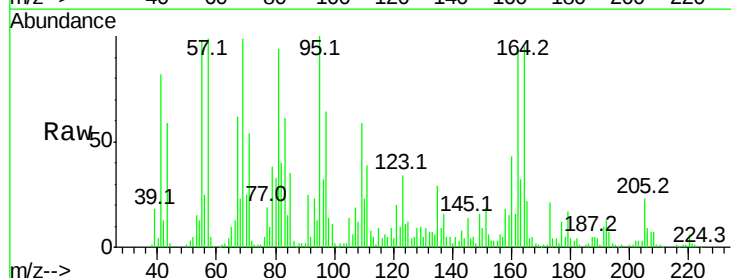
Instrument :
BNA_F
ClientSampleId :

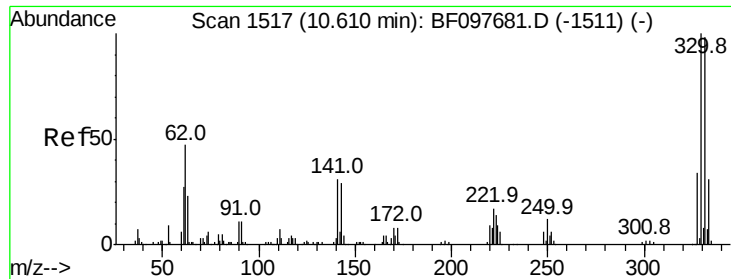
Tot Ion:122 Resp: 149
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 153.2 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF098267.D
Acq: 3 Sep 2017 1:12

Tgt Ion:164 Resp: 104480
Ion Ratio Lower Upper
164 100
162 99.2 82.6 123.8
160 44.7 36.2 54.2

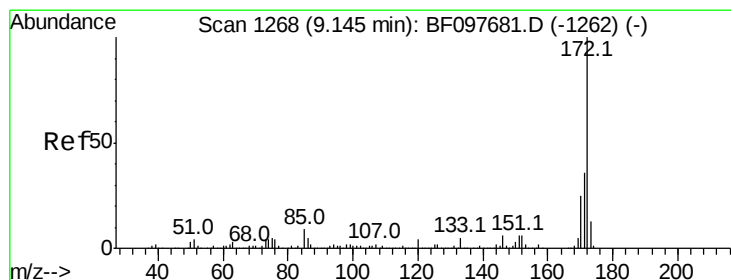
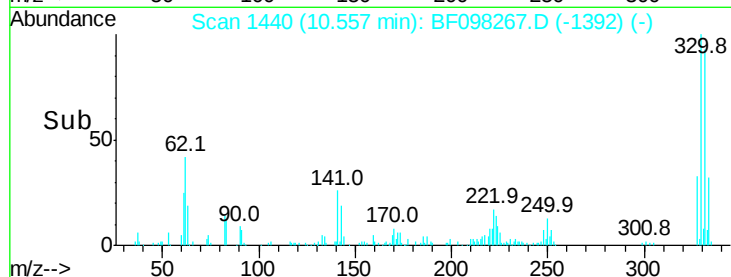
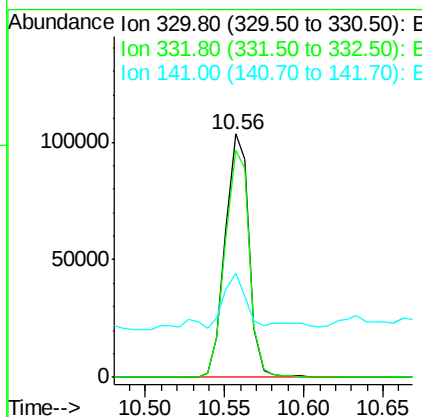
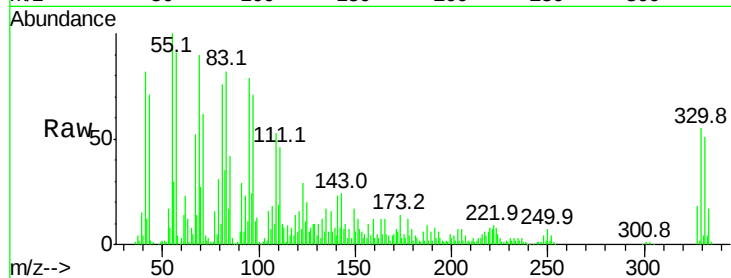




#41
 2,4,6-Tribromophenol
 Concen: 118.821 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

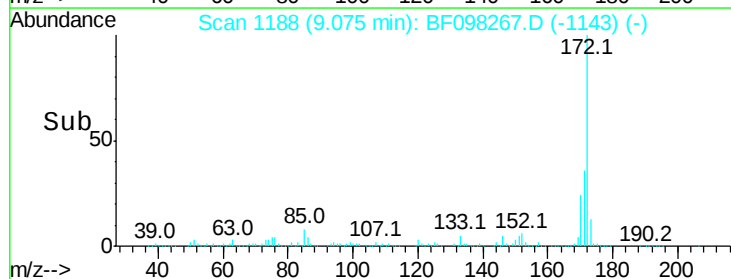
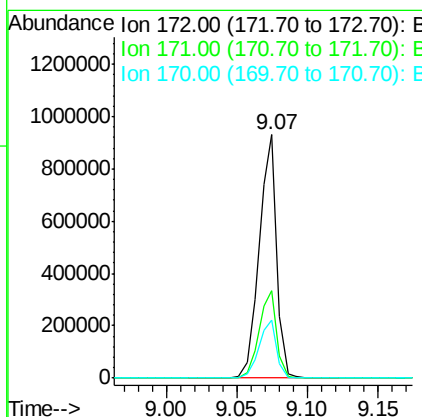
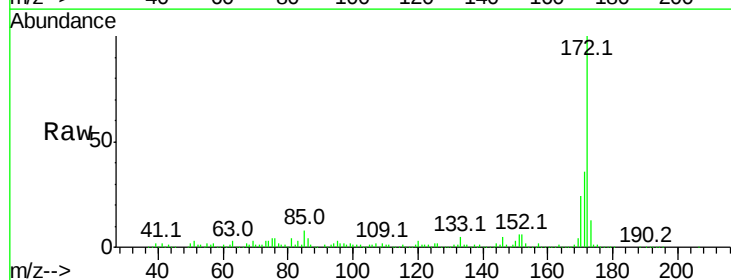
Instrument :
 BNA_F
 ClientSampleId :

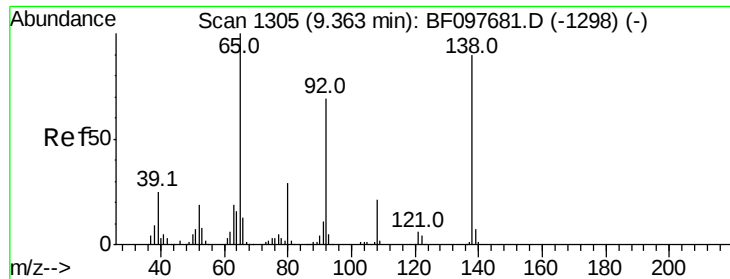
Tot Ion:330 Resp: 107715
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 20.1 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 114.878 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

Tgt Ion:172 Resp: 816938
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.8 19.8 29.8





#47

2-Nitroaniline

Concen: 2.060 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.19 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Instrument :

BNA_F

ClientSampleId :

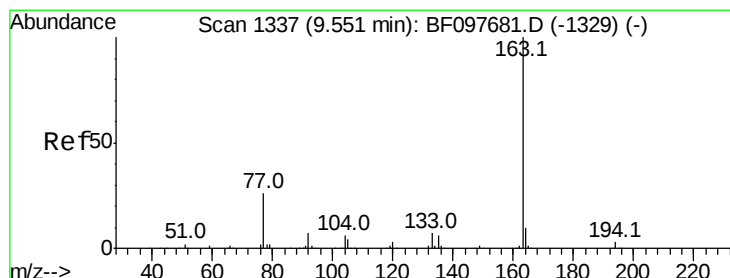
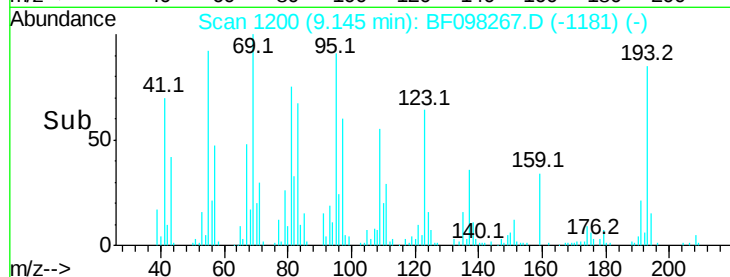
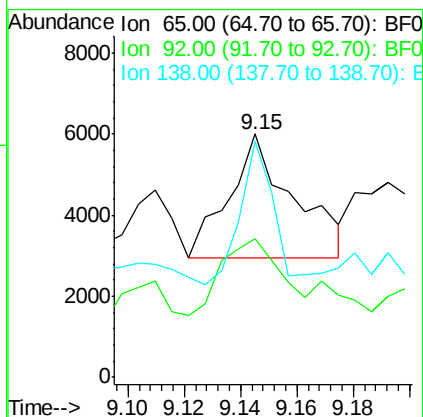
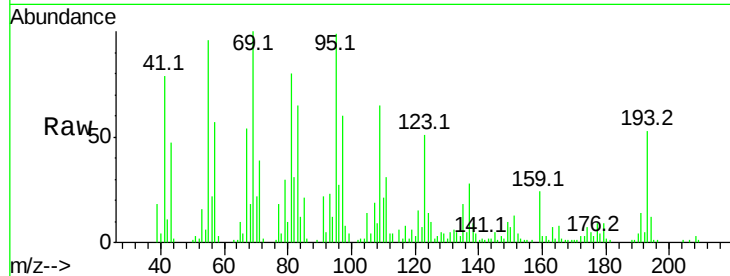
Tot Ion: 65 Resp: 4862

Ion Ratio Lower Upper

65 100

92 56.7 53.9 80.9

138 97.0 78.8 118.2



#49

Dimethylphthalate

Concen: 6.938 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.05 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

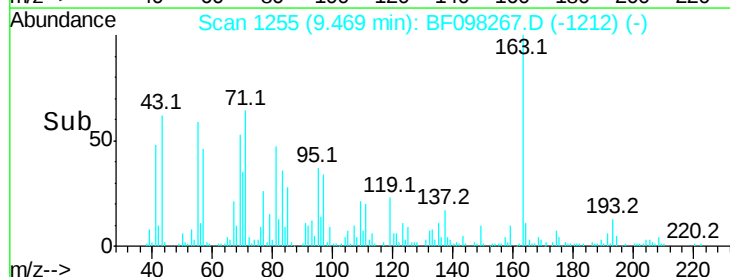
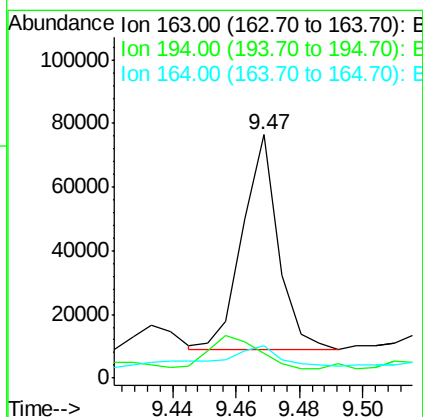
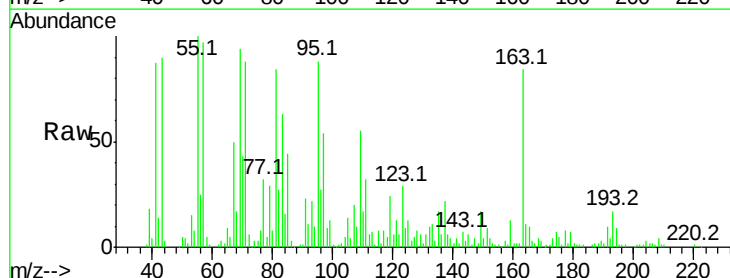
Tgt Ion: 163 Resp: 52989

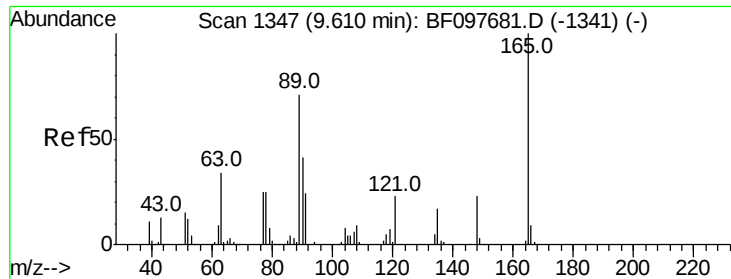
Ion Ratio Lower Upper

163 100

194 10.2 2.6 4.0#

164 13.1 8.4 12.6#

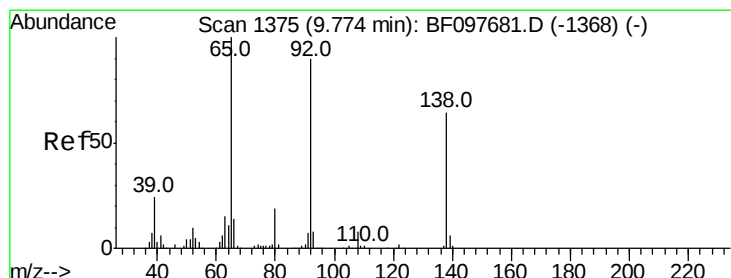
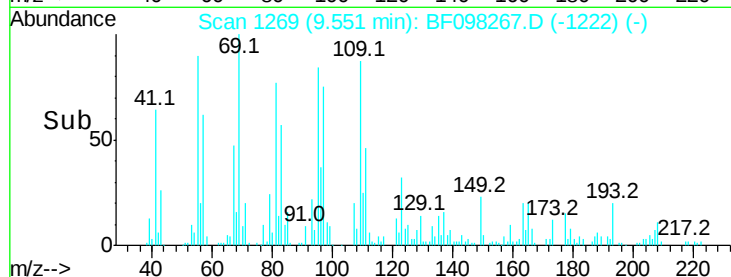
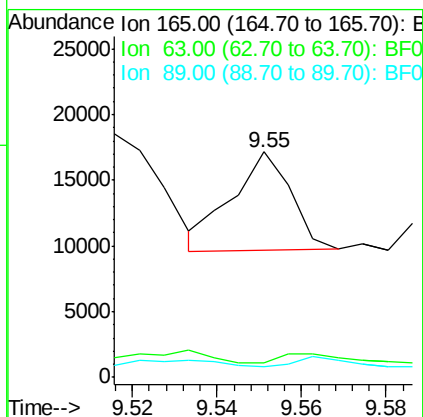
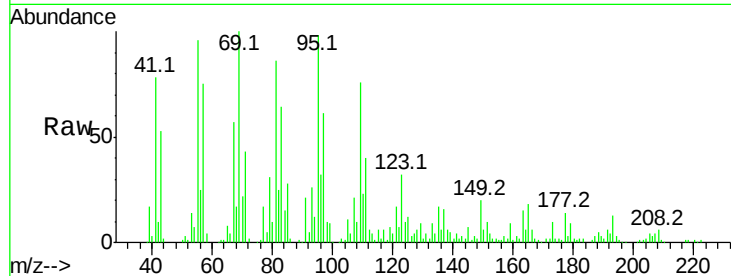




#50
 2,6-Dinitrotoluene
 Concen: 4.779 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

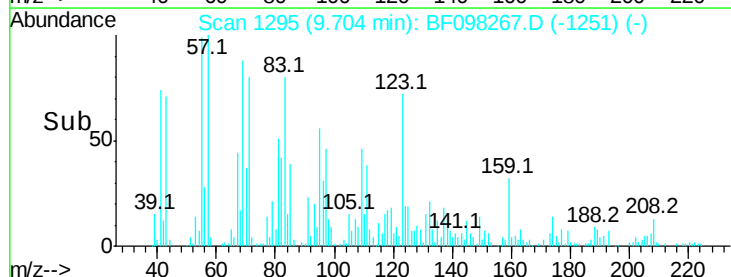
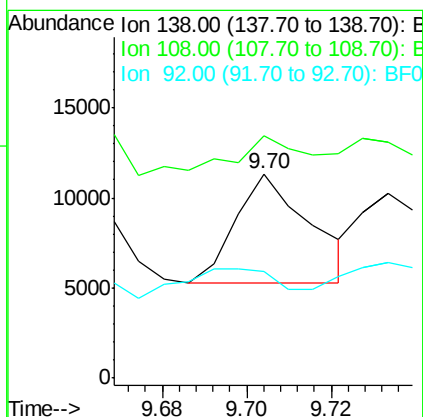
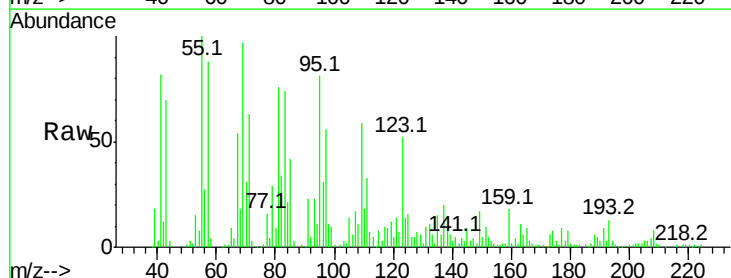
Instrument :
 BNA_F
 ClientSampled :

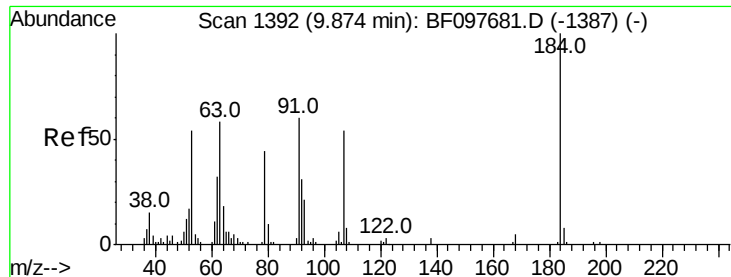
Tot Ion:165 Resp: 7285
 Ion Ratio Lower Upper
 165 100
 63 6.5 34.3 51.5#
 89 5.0 37.1 55.7#



#52
 3-Nitroaniline
 Concen: 3.762 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.04 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

Tgt Ion:138 Resp: 7399
 Ion Ratio Lower Upper
 138 100
 108 118.9 9.1 13.7#
 92 52.2 93.8 140.6#

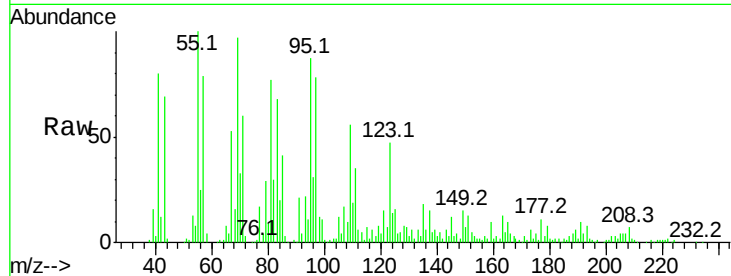




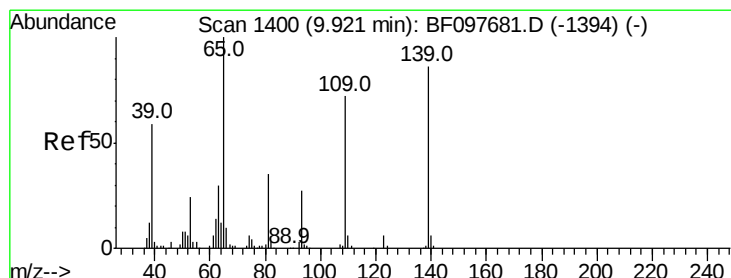
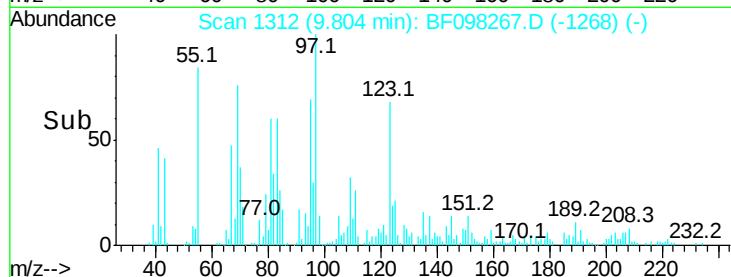
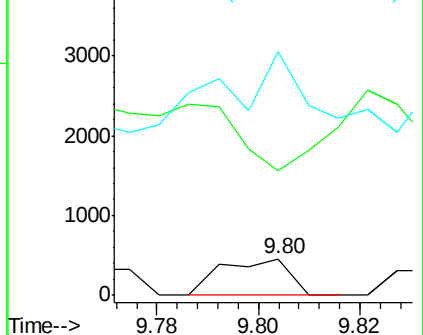
#53
 2,4-Dinitrophenol
 Concen: 10.652 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.04 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 424
 Ion Ratio Lower Upper
 184 100
 63 340.1 62.7 94.1#
 154 664.7 81.1 121.7#

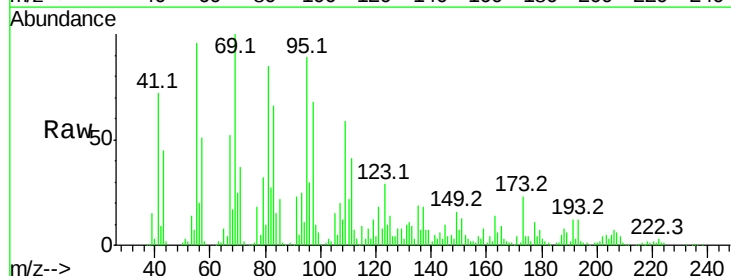


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

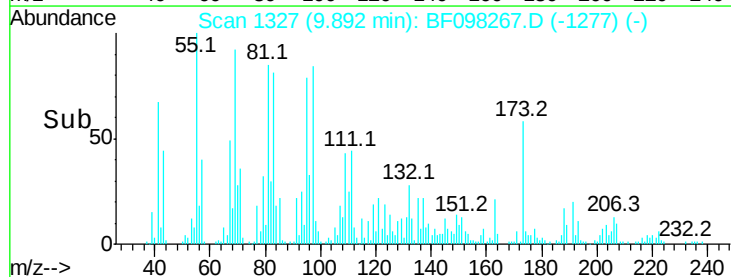
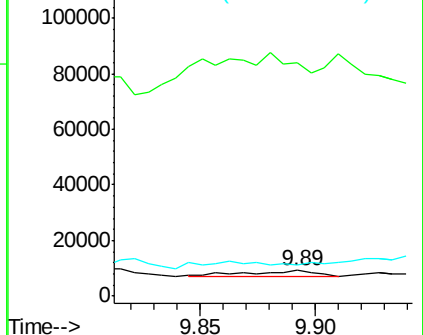


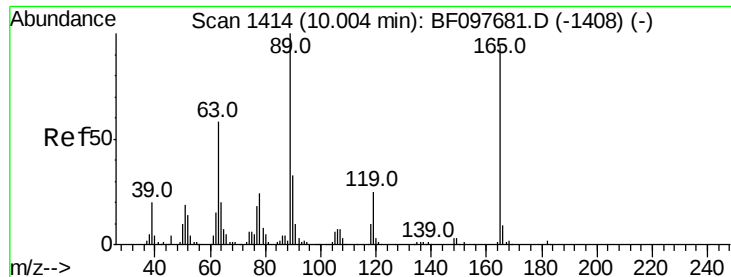
#55
 4-Nitrophenol
 Concen: 2.541 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

Tgt Ion:139 Resp: 3987
 Ion Ratio Lower Upper
 139 100
 109 903.3 34.1 74.1#
 65 121.8 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

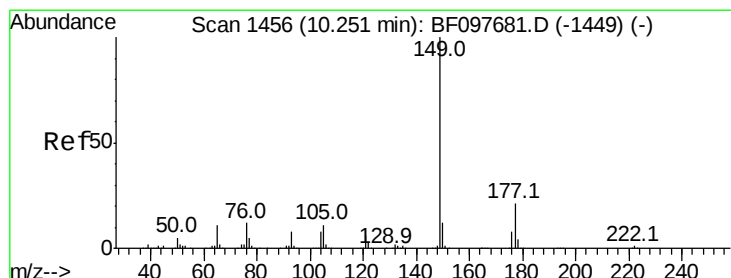
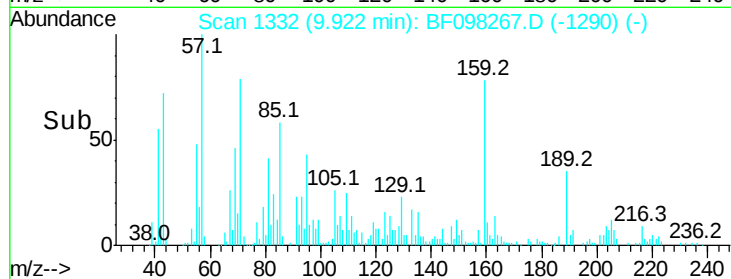
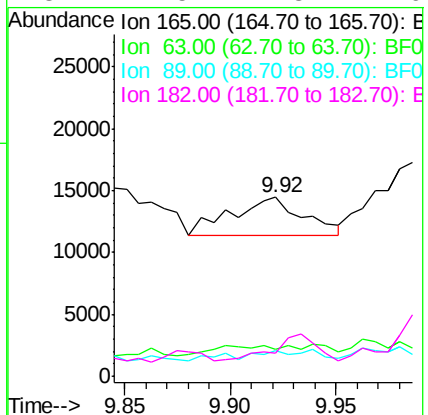
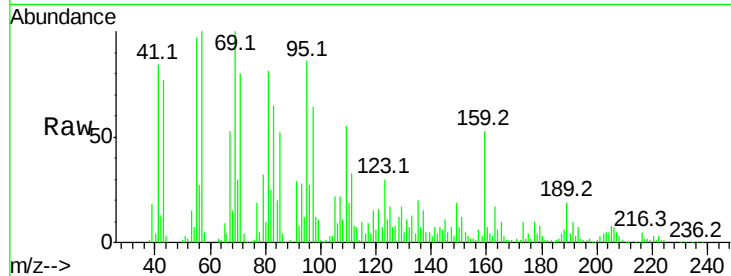




#56
2,4-Dinitrotoluene
Concen: 3.832 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.05 min
Lab File: BF098267.D
Acq: 3 Sep 2017 1:12

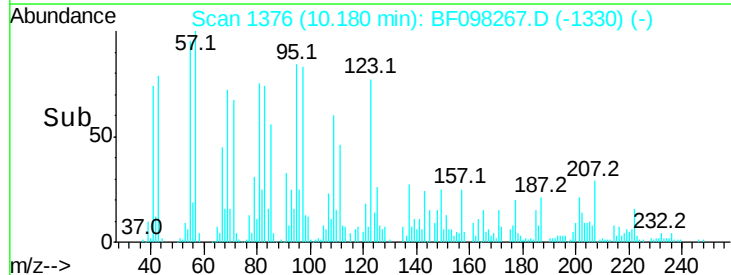
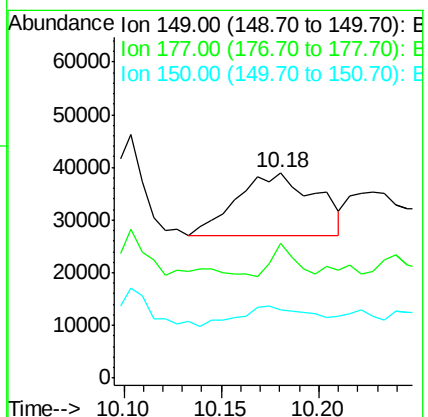
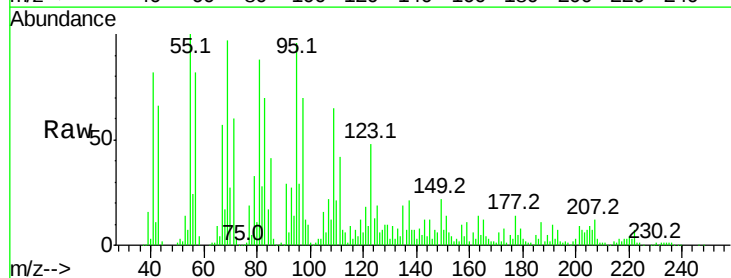
Instrument :
BNA_F
ClientSampled :

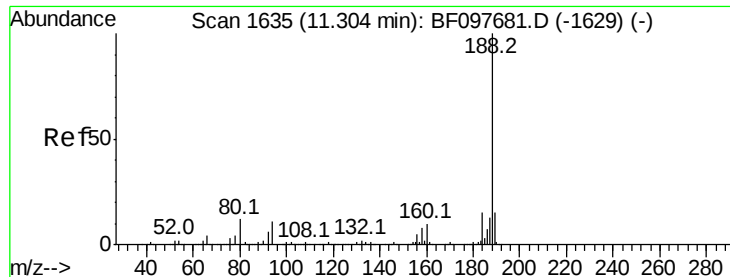
Tot Ion:165 Resp: 7332
Ion Ratio Lower Upper
165 100
63 15.3 25.4 38.0#
89 14.4 46.4 69.6#
182 12.5 1.8 2.6#



#59
Diethylphthalate
Concen: 4.167 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.03 min
Lab File: BF098267.D
Acq: 3 Sep 2017 1:12

Tgt Ion:149 Resp: 33276
Ion Ratio Lower Upper
149 100
177 65.6 16.7 25.1#
150 33.4 10.2 15.2#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Instrument :

BNA_F

ClientSampleId :

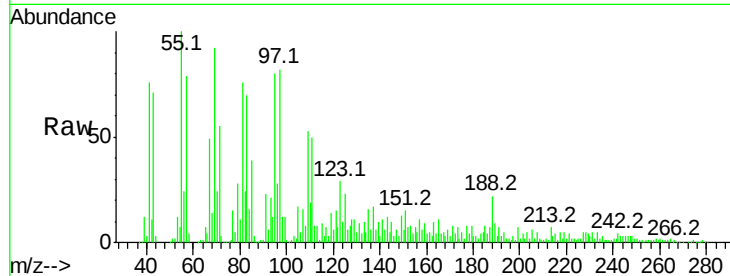
Tot Ion:188 Resp: 82774

Ion Ratio Lower Upper

188 100

94 54.4 9.4 14.2#

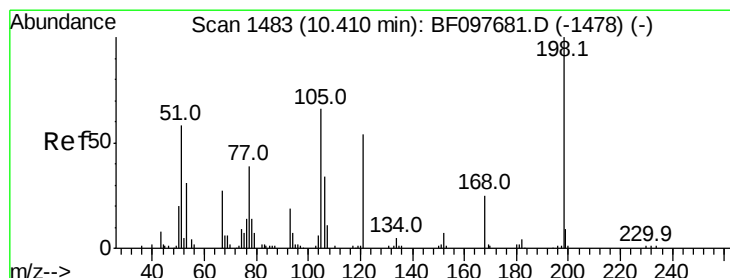
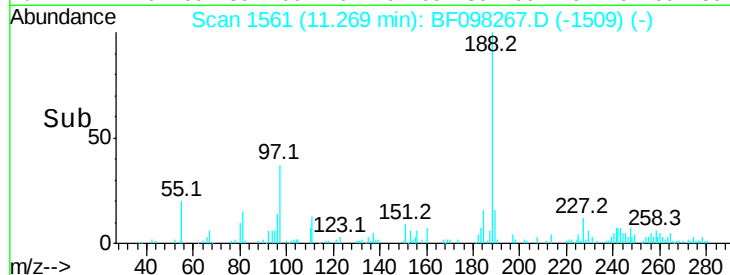
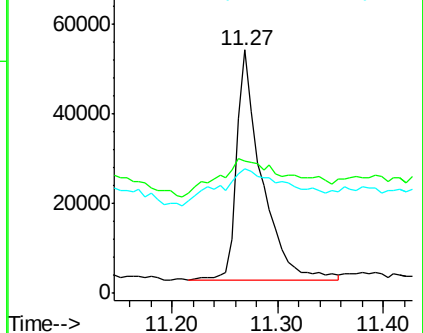
80 51.4 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 10.313 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

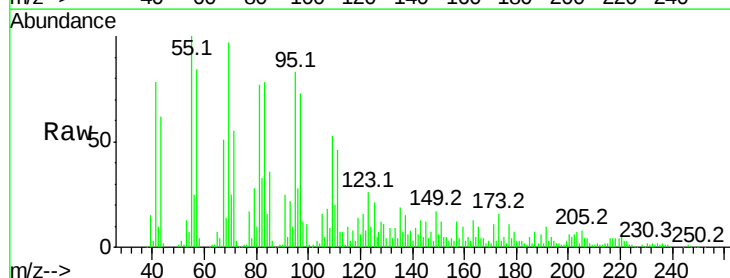
Tgt Ion:198 Resp: 940

Ion Ratio Lower Upper

198 100

51 425.5 53.2 93.2#

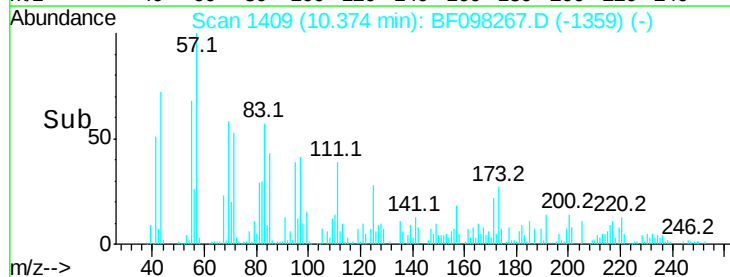
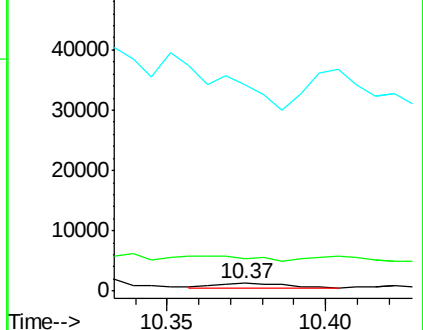
105 2688.9 45.8 85.8#

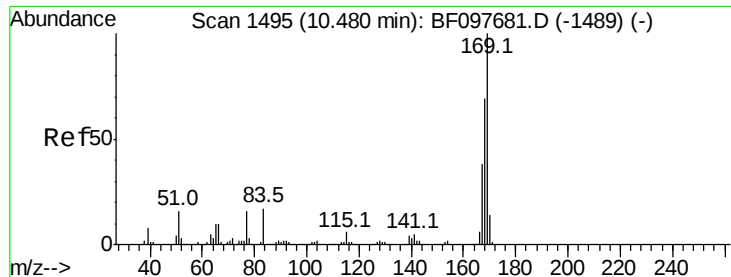


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

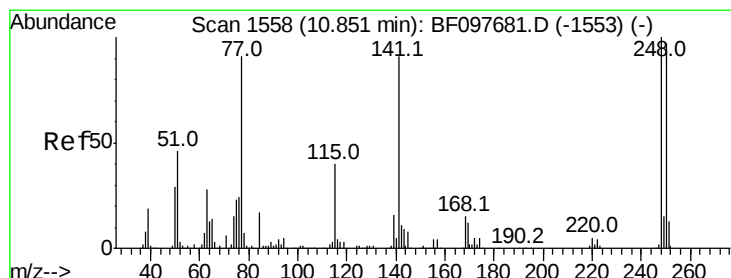
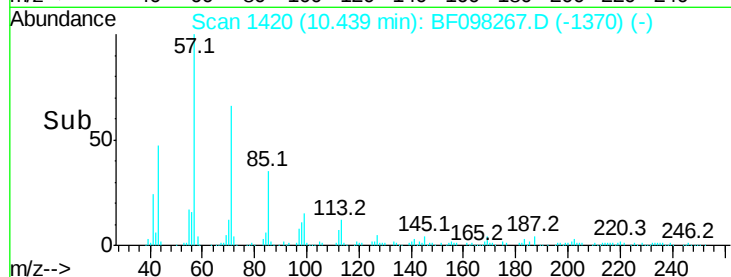
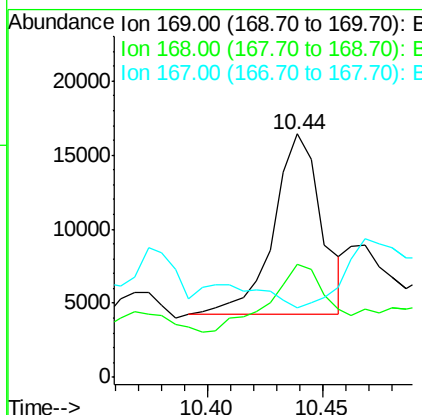
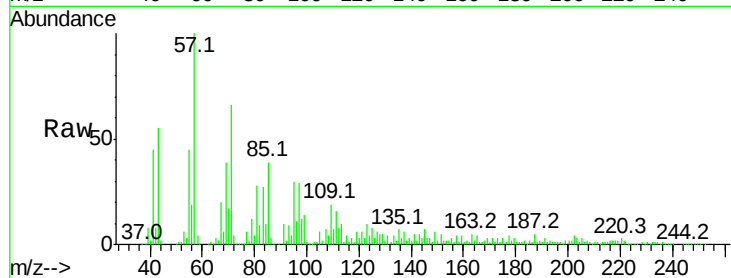




#65
 n-Nitrosodiphenylamine
 Concen: 6.261 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

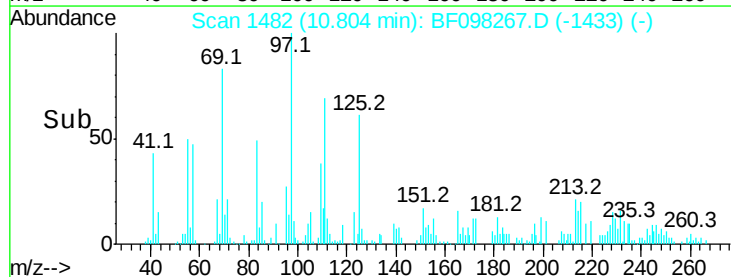
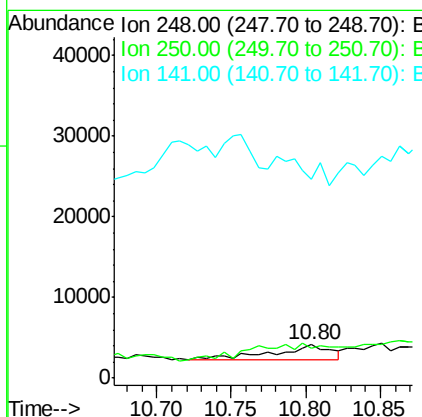
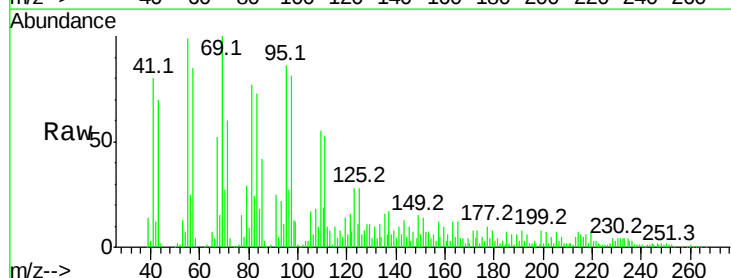
Instrument :
 BNA_F
 ClientSampleId :

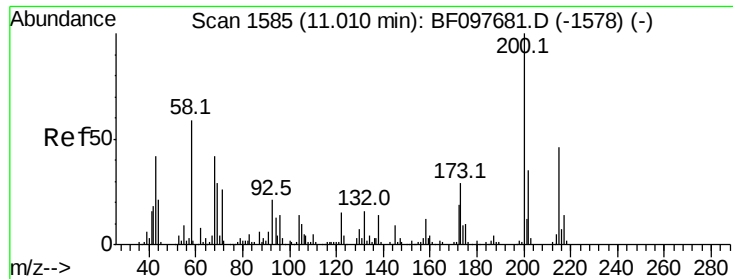
Tot Ion:169 Resp: 17649
 Ion Ratio Lower Upper
 169 100
 168 46.2 53.2 79.8#
 167 28.5 29.5 44.3#



#66
 4-Bromophenyl-phenylether
 Concen: 5.268 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF098267.D
 Acq: 3 Sep 2017 1:12

Tgt Ion:248 Resp: 4528
 Ion Ratio Lower Upper
 248 100
 250 88.9 76.8 115.2
 141 600.5 68.6 103.0#

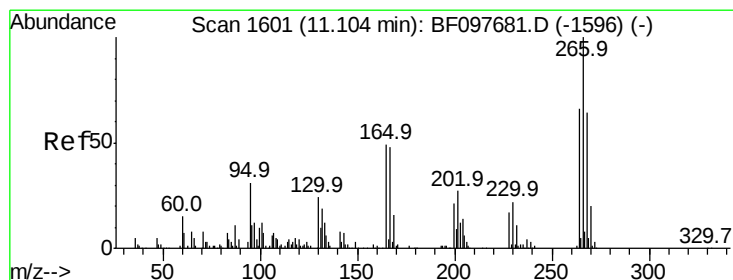
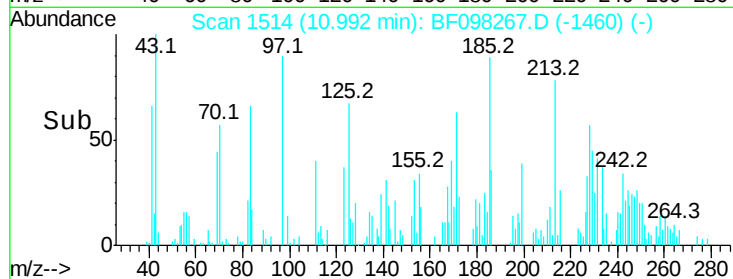
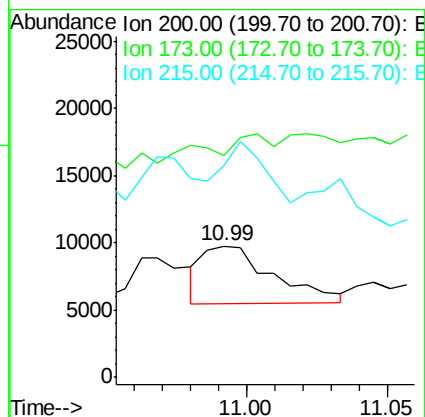
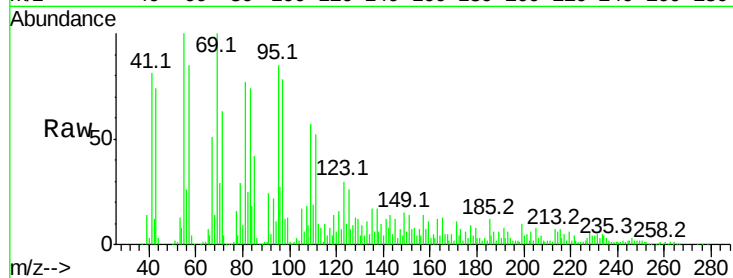




#68
Atrazine
Concen: 9.902 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.02 min
Lab File: BF098267.D
Acq: 3 Sep 2017 1:12

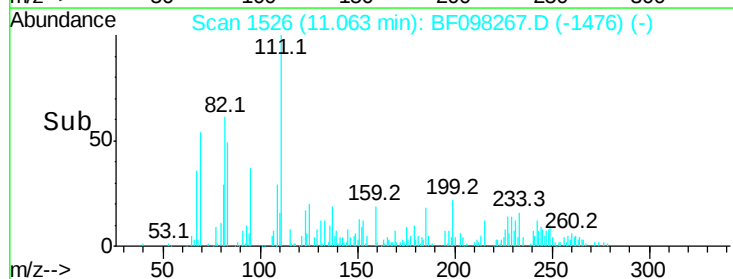
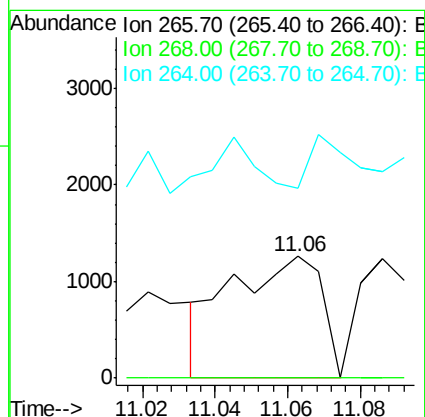
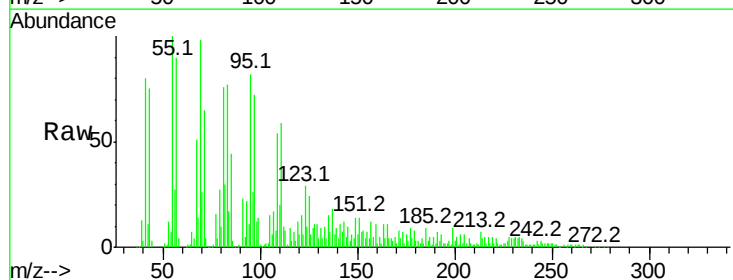
Instrument :
BNA_F
ClientSampleId :

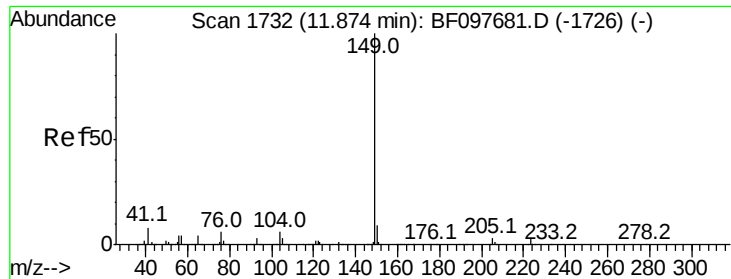
Tot Ion:200 Resp: 7402
Ion Ratio Lower Upper
200 100
173 169.2 6.3 46.3#
215 161.1 27.2 67.2#



#69
Pentachlorophenol
Concen: 4.293 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF098267.D
Acq: 3 Sep 2017 1:12

Tgt Ion:266 Resp: 2193
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 155.8 51.7 77.5#





#73

Di-n-butylphthalate

Concen: 6.677 ng

RT: 11.84 min Scan# 1659

Delta R.T. 0.01 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Instrument :

BNA_F

ClientSampleId :

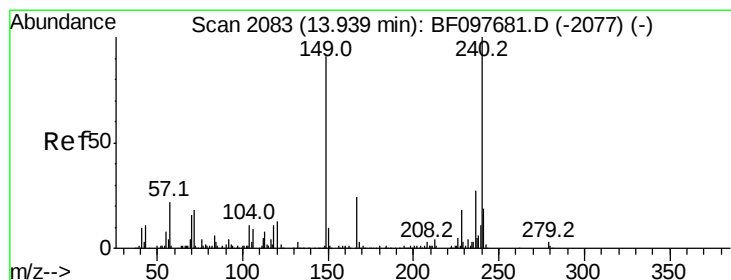
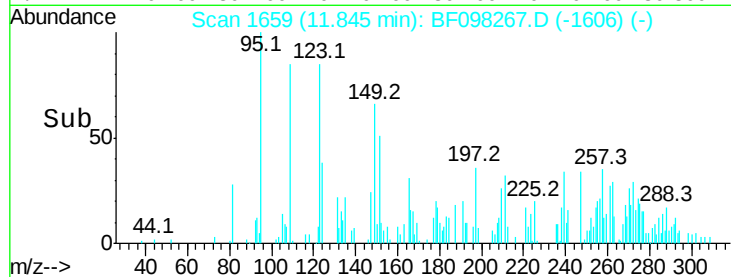
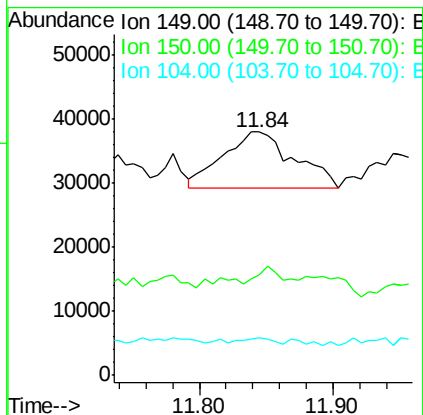
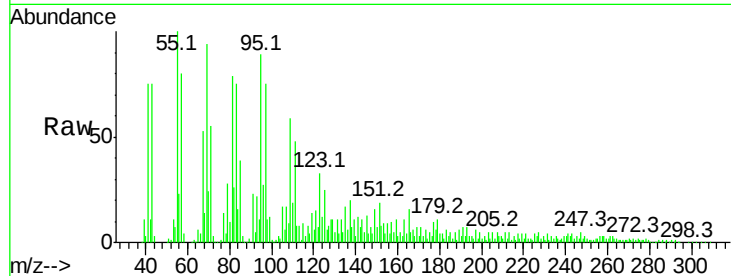
Tot Ion:149 Resp: 32658

Ion Ratio Lower Upper

149 100

150 41.3 7.7 11.5#

104 15.3 4.0 6.0#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

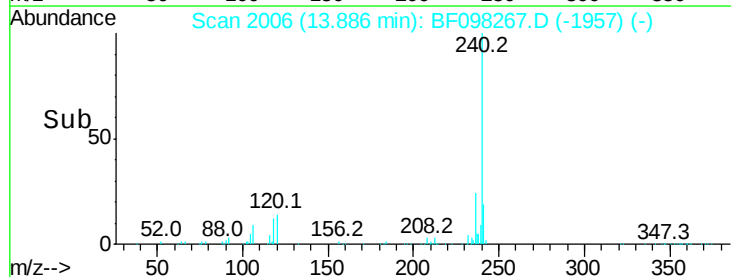
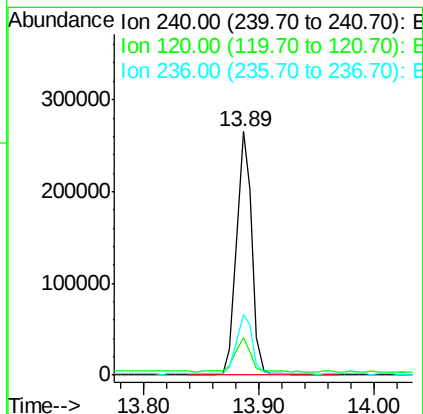
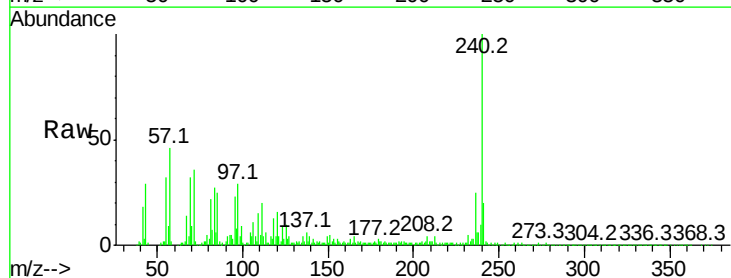
Tgt Ion:240 Resp: 239676

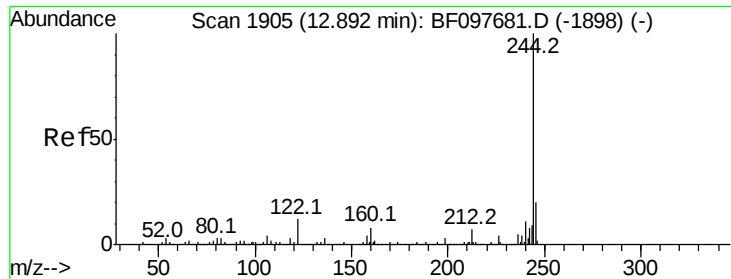
Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

236 25.1 20.5 30.7





#78

Terphenyl-d14

Concen: 40.719 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

Instrument :

BNA_F

ClientSampleId :

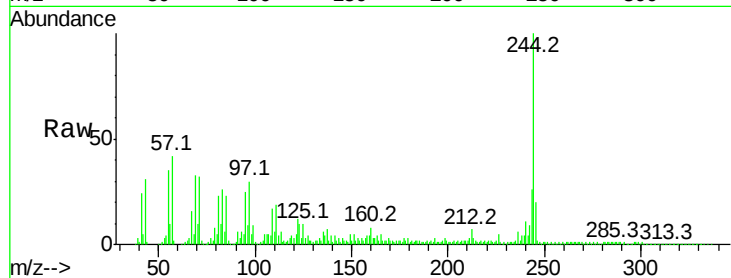
Tot Ion:244 Resp: 468001

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

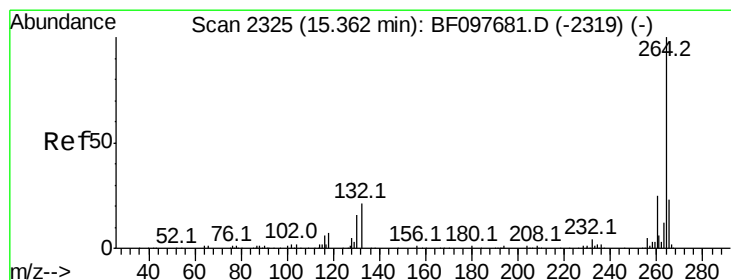
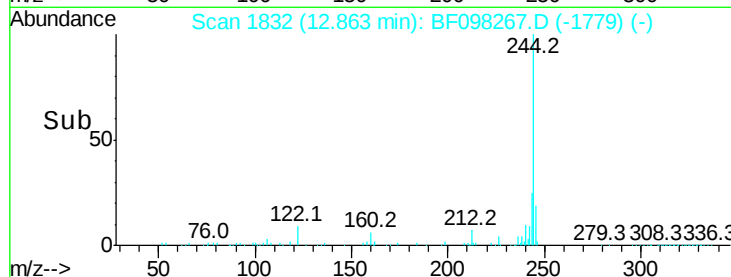
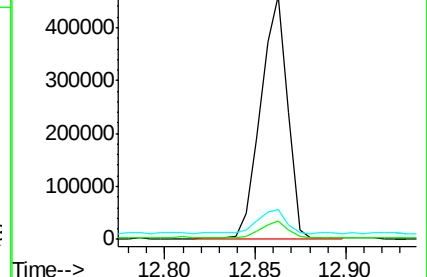
122 12.1 10.3 15.5



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: 15.29 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BF098267.D

Acq: 3 Sep 2017 1:12

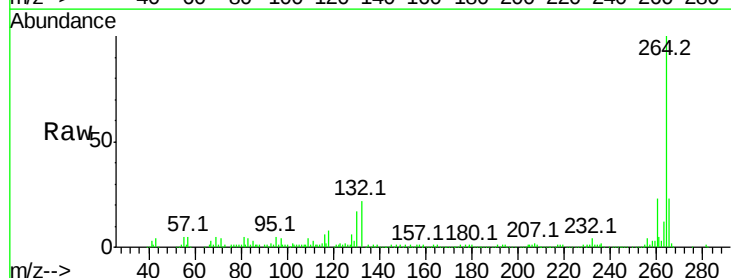
Tgt Ion:264 Resp: 195343

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 22.8 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

