

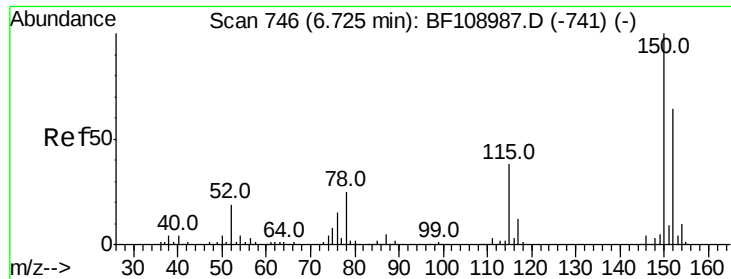
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109107.D
 Acq On : 18 Sep 2018 20:29
 Operator : JU/SJ
 Sample : J4950-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:03:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121466	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	399535	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	112690	20.00	ng	0.01
63) Phenanthrene-d10	11.27	188	162152	20.00	ng	0.04
75) Chrysene-d12	13.89	240	255298	20.00	ng	0.03
86) Perylene-d12	15.28	264	306975	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	517505	70.76	ng	0.00
7) Phenol-d6	6.35	99	651674	69.11	ng	0.00
23) Nitrobenzene-d5	7.28	82	384855	54.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	87551	71.59	ng	0.02
44) 2-Fluorobiphenyl	9.08	172	556656	77.39	ng	0.00
78) Terphenyl-d14	12.85	244	403692	37.48	ng	0.04
Target Compounds						
10) Phenol	6.37	94	40372	3.805	ng	92
19) n-Nitroso-di-n-propylamine	7.28	70	52324	8.394	ng	# 79
25) Isophorone	7.28	82	384851	31.430	ng	# 64
47) 2-Nitroaniline	9.32	65	9700	4.370	ng	# 67
49) Dimethylphthalate	9.48	163	103759	12.882	ng	# 80
50) 2,6-Dinitrotoluene	9.54	165	20985	11.748	ng	# 28
52) 3-Nitroaniline	9.72	138	6636	3.155	ng	# 23
55) 4-Nitrophenol	9.85	139	6547	4.225	ng	# 1
56) 2,4-Dinitrotoluene	9.94	165	20814	8.910	ng	# 31
59) Diethylphthalate	10.19	149	31048	3.817	ng	# 30
65) n-Nitrosodiphenylamine	10.45	169	18997	3.582	ng	# 70
73) Di-n-butylphthalate	11.85	149	21107	2.261	ng	# 32

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

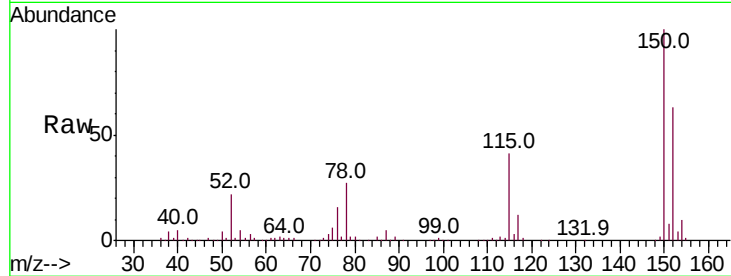


#1

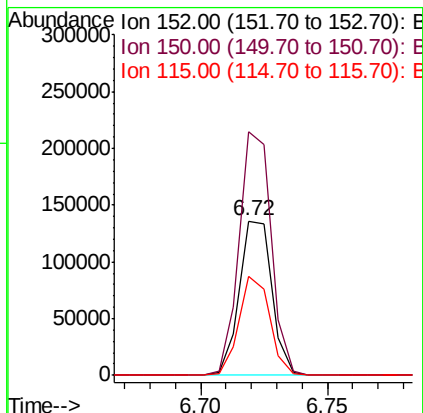
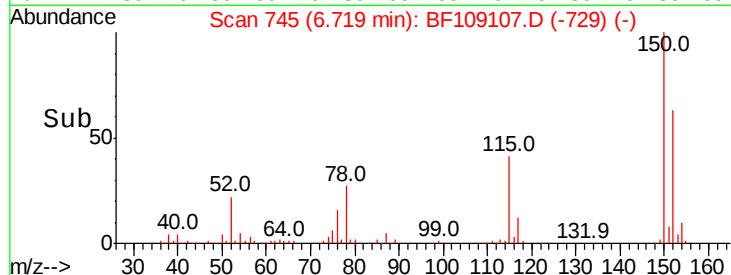
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121466
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 64.3 50.1 75.1



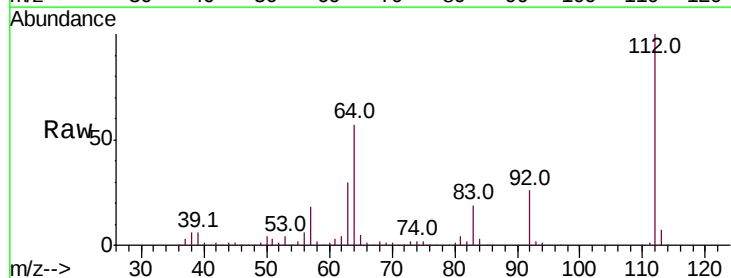
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



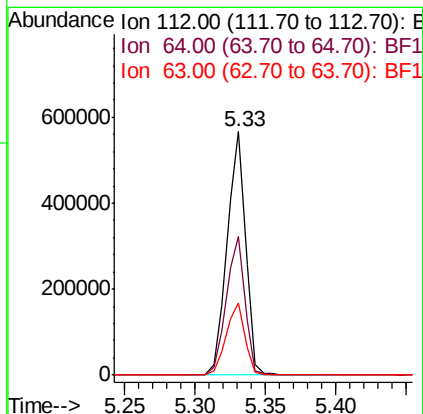
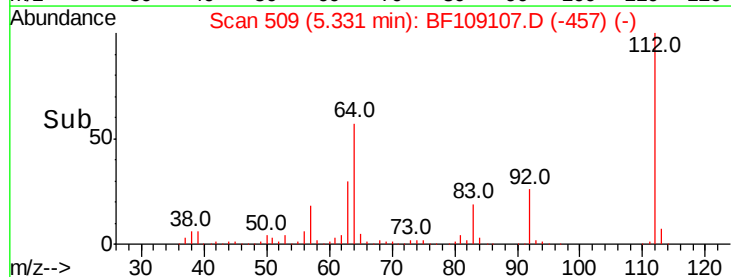
#5

2-Fluorophenol
Concen: 70.762 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

Tgt Ion:112 Resp: 517505
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.6 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





#7

Phenol-d6

Concen: 69.105 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

Instrument :

BNA_F

ClientSampleId :

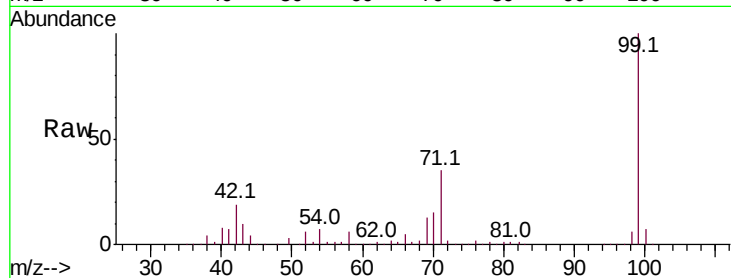
Tot Ion: 99 Resp: 651674

Ion Ratio Lower Upper

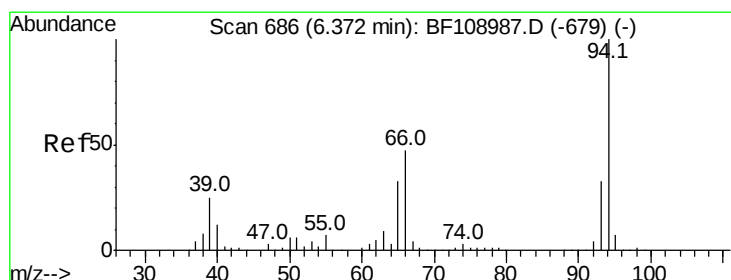
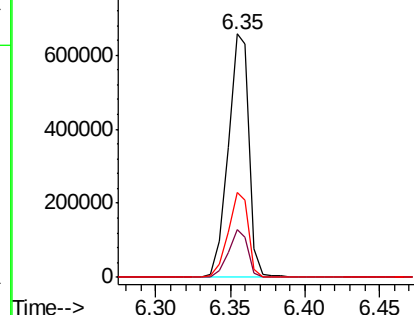
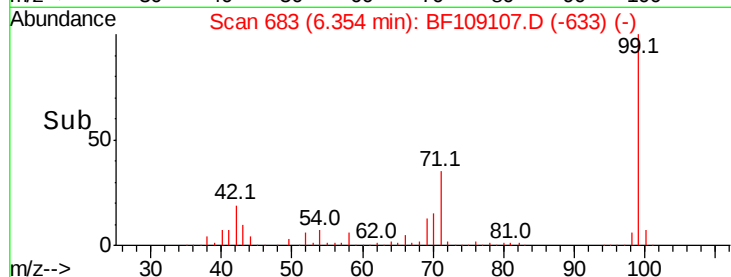
99 100

42 19.4 14.5 21.7

71 34.9 25.4 38.0



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



#10

Phenol

Concen: 3.805 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

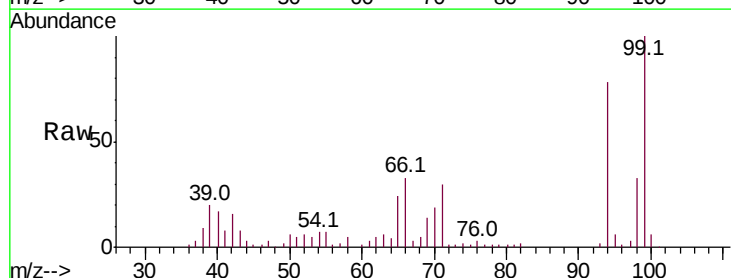
Tgt Ion: 94 Resp: 40372

Ion Ratio Lower Upper

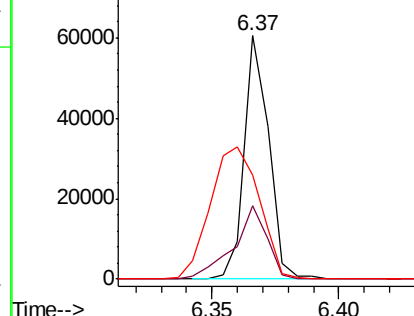
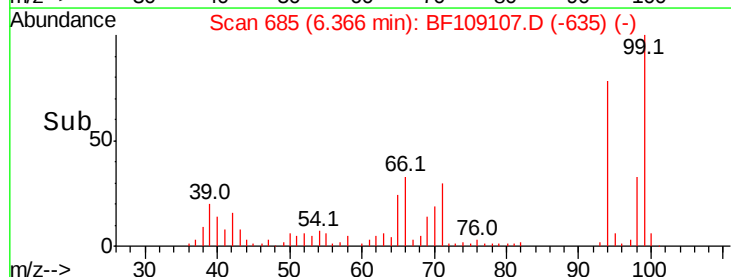
94 100

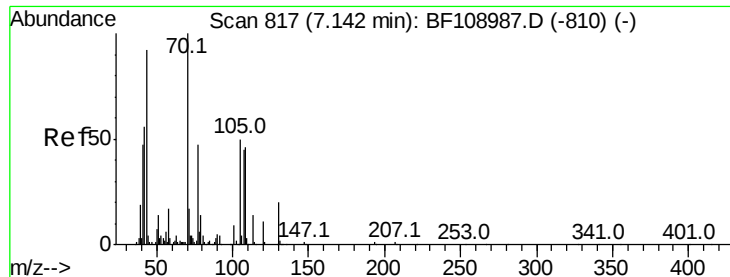
65 30.2 7.9 47.9

66 42.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

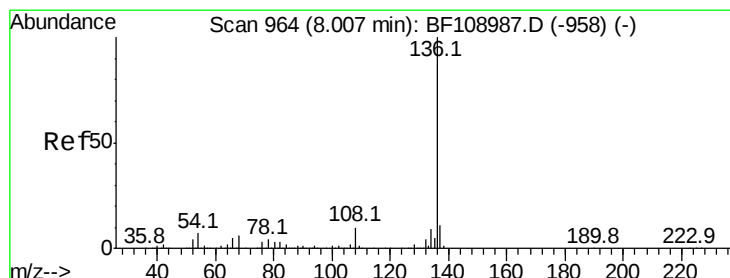
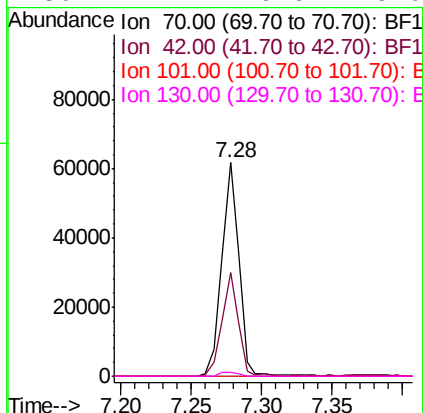
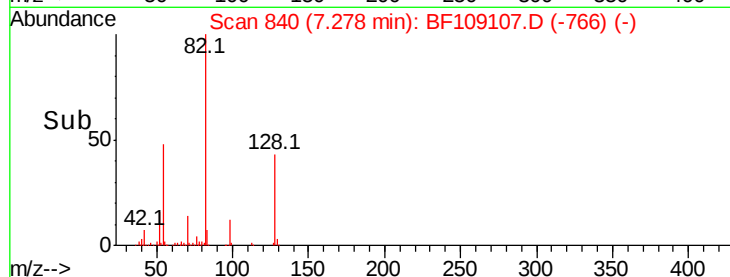
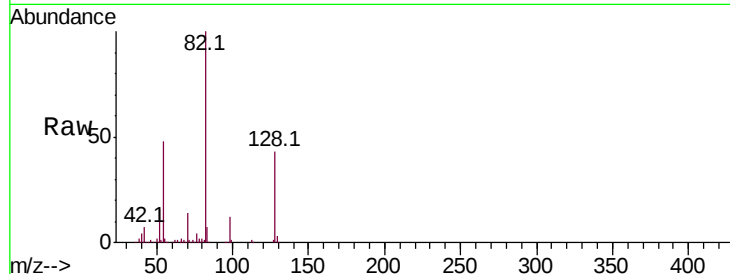




#19
n-Nitroso-di-n-propylamine
Concen: 8.394 ng
RT: 7.28 min Scan# 840
Delta R.T. 0.14 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

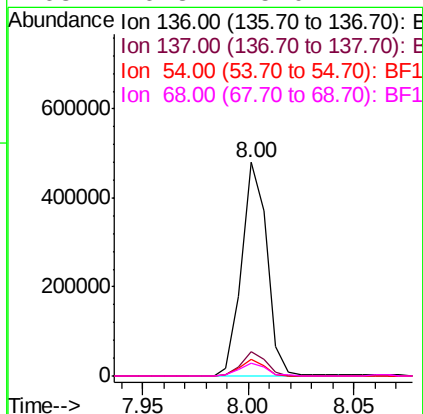
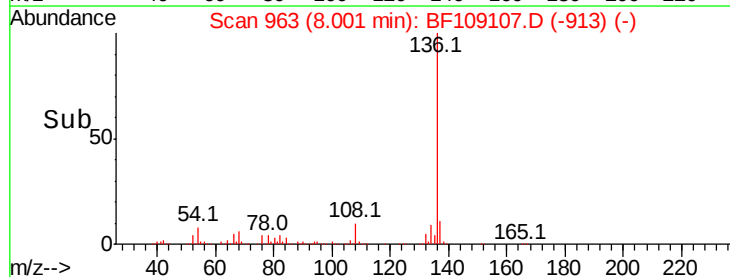
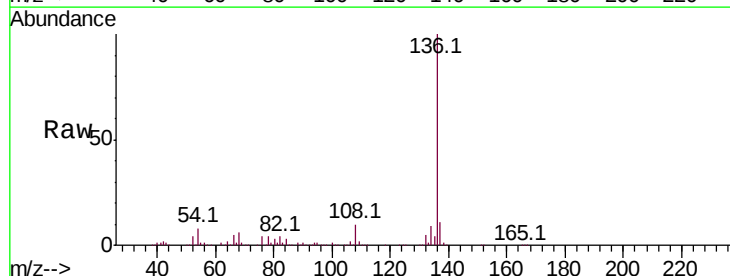
Instrument :
BNA_F
ClientSampleId :

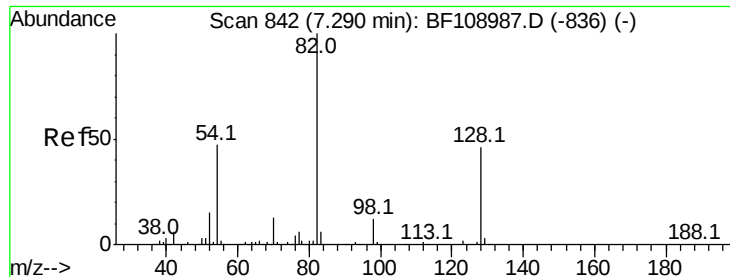
Tot Ion: 70 Resp: 52324
Ion Ratio Lower Upper
70 100
42 48.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

Tgt Ion: 136 Resp: 399535
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 7.6 6.6 9.8
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 54.027 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

Instrument :

BNA_F

ClientSampled :

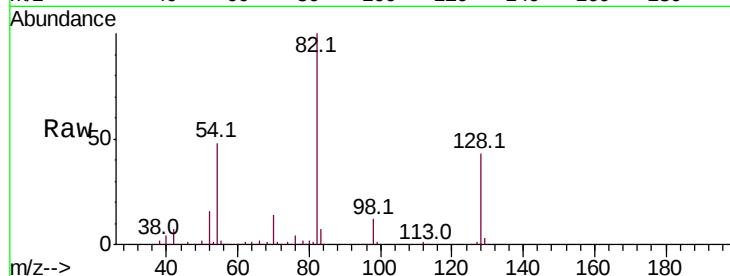
Tot Ion: 82 Resp: 384855

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

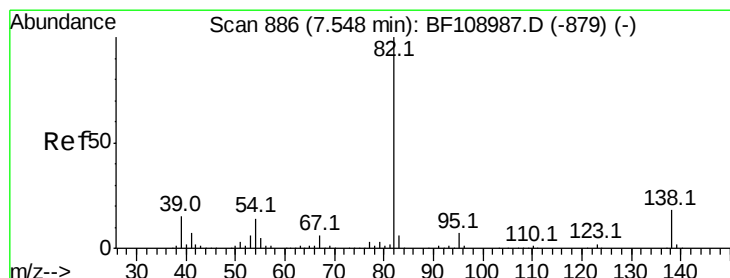
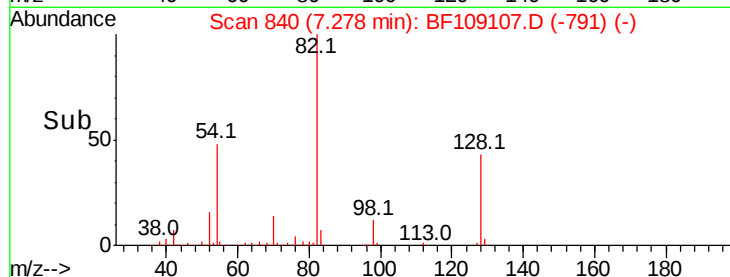
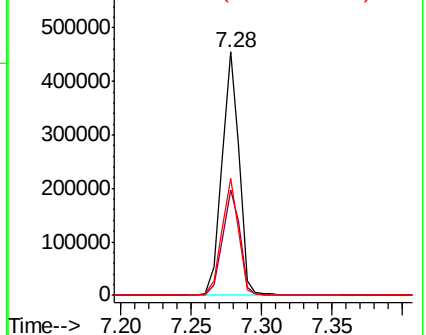
54 47.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 31.430 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

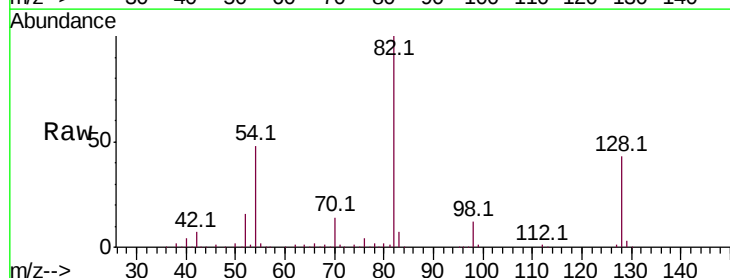
Tgt Ion: 82 Resp: 384851

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

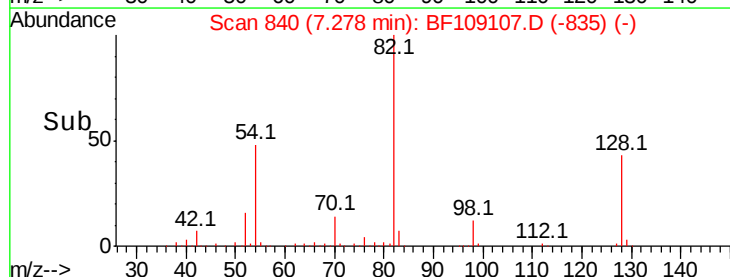
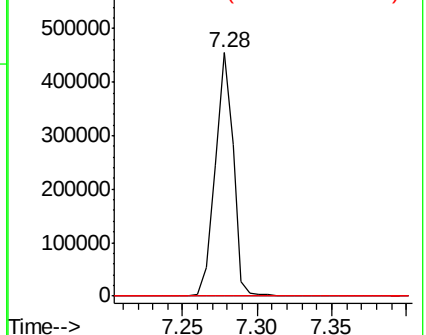
138 0.0 14.9 22.3#

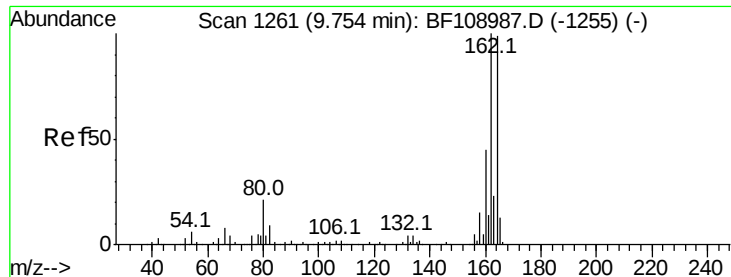


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

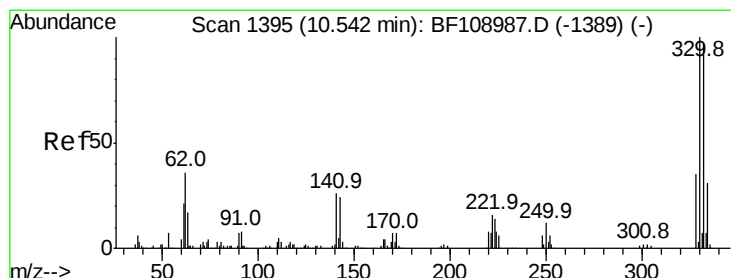
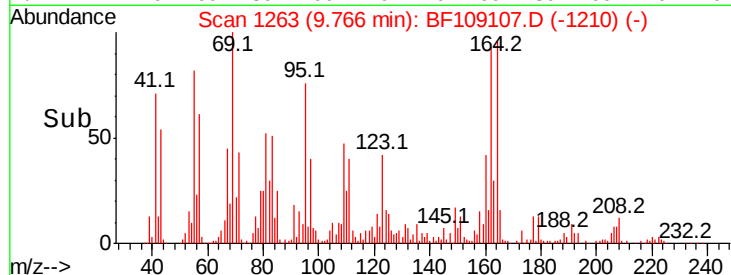
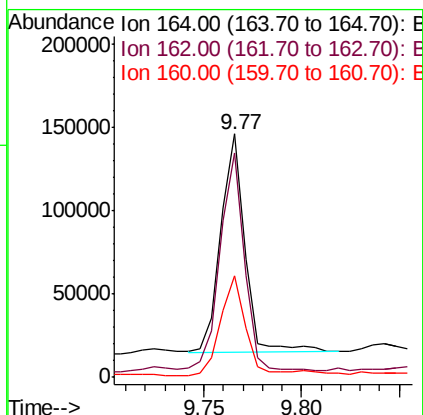
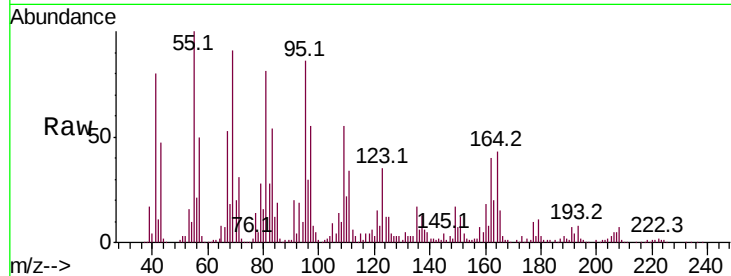




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

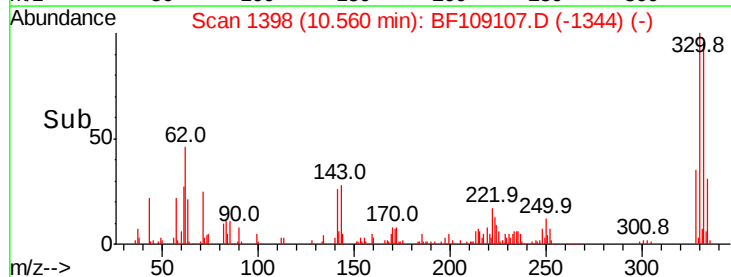
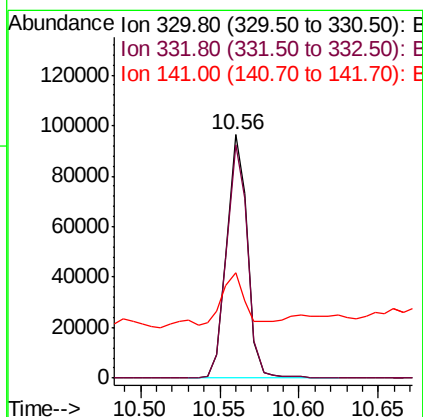
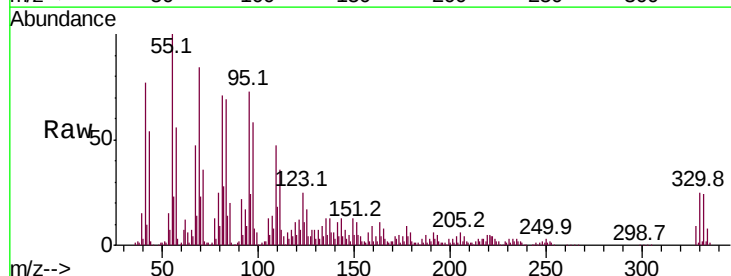
Instrument :
BNA_F
ClientSampleId :

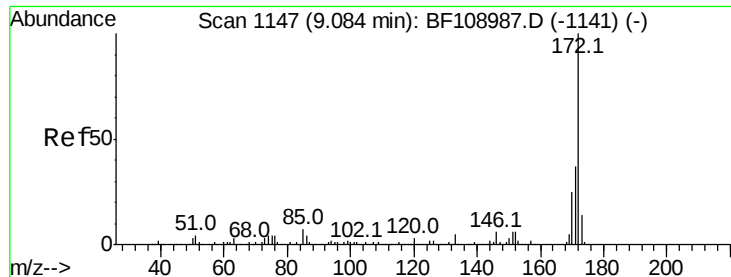
Tot Ion:164 Resp: 112690
Ion Ratio Lower Upper
164 100
162 92.1 86.1 129.1
160 41.6 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 71.588 ng
RT: 10.56 min Scan# 1398
Delta R.T. 0.02 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

Tgt Ion:330 Resp: 87551
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 23.0 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 77.392 ng

RT: 9.08 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

Instrument :

BNA_F

ClientSampleId :

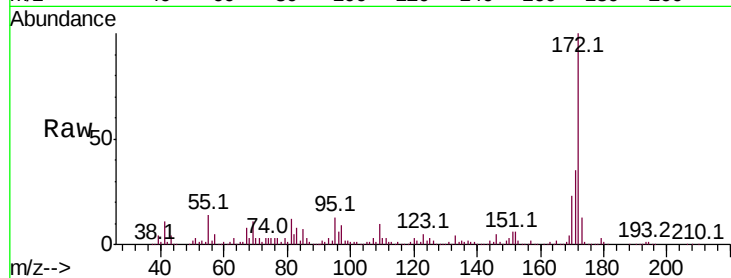
Tot Ion:172 Resp: 556656

Ion Ratio Lower Upper

172 100

171 35.0 29.7 44.5

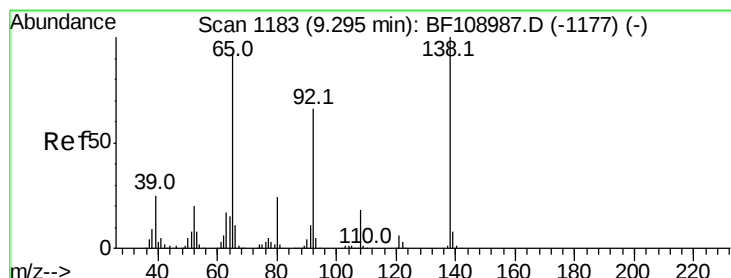
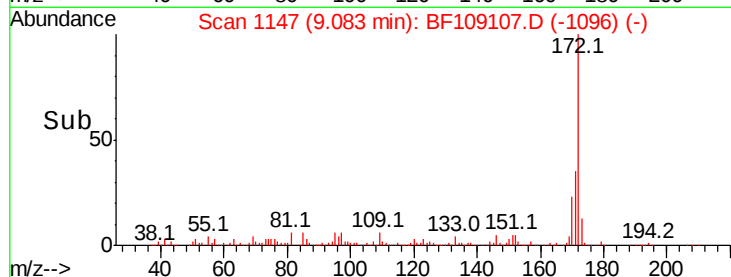
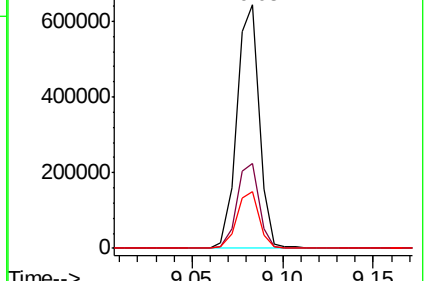
170 23.2 19.6 29.4



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-Nitroaniline

Concen: 4.370 ng

RT: 9.32 min Scan# 1187

Delta R.T. 0.02 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

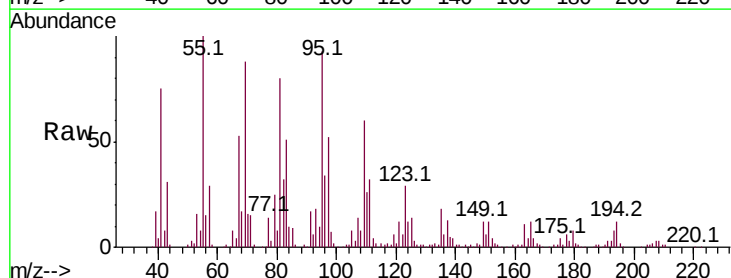
Tgt Ion: 65 Resp: 9700

Ion Ratio Lower Upper

65 100

92 80.1 55.8 83.6

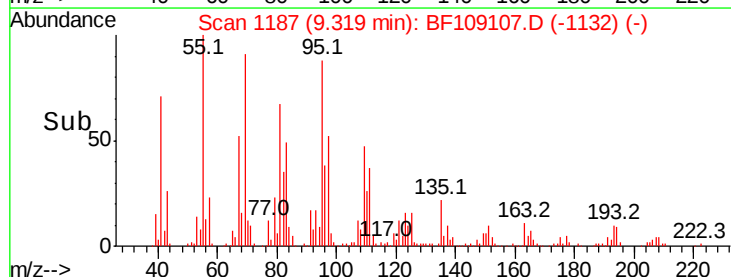
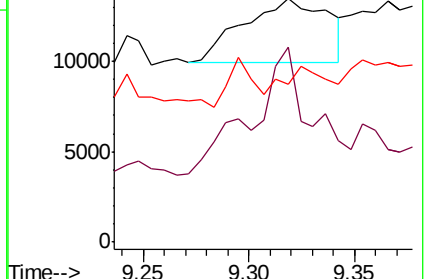
138 64.9 91.2 136.8#

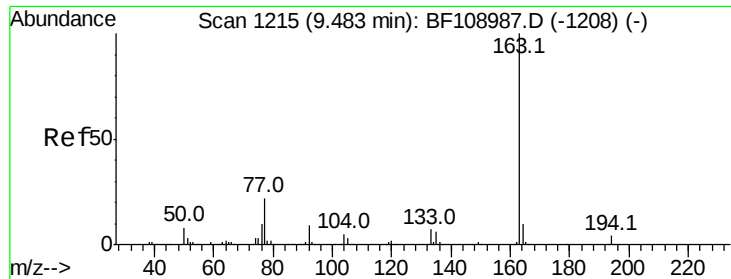


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 12.882 ng

RT: 9.48 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

Instrument :

BNA_F

ClientSampled :

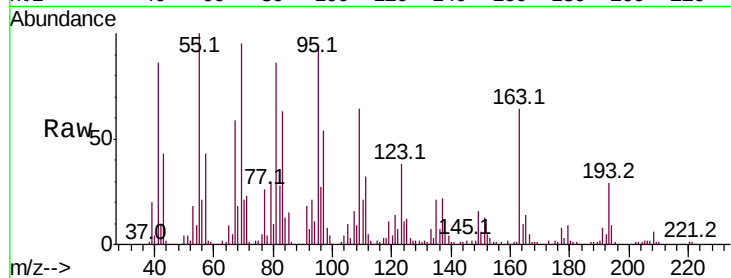
Tot Ion:163 Resp: 103759

Ion Ratio Lower Upper

163 100

194 13.7 2.7 4.1#

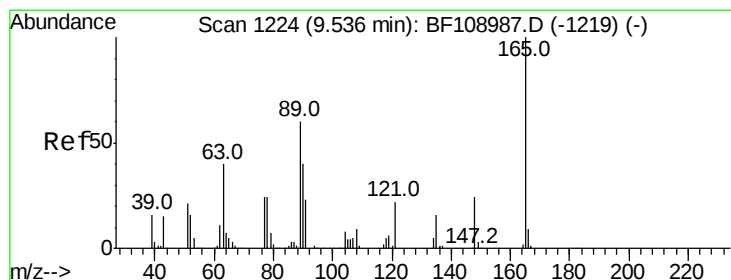
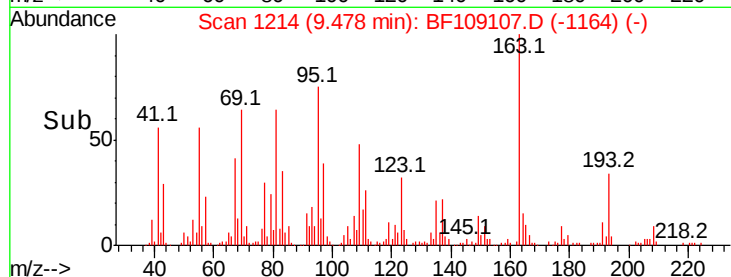
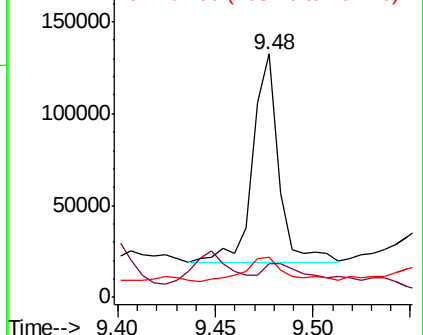
164 16.3 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 11.748 ng

RT: 9.54 min Scan# 1225

Delta R.T. 0.01 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

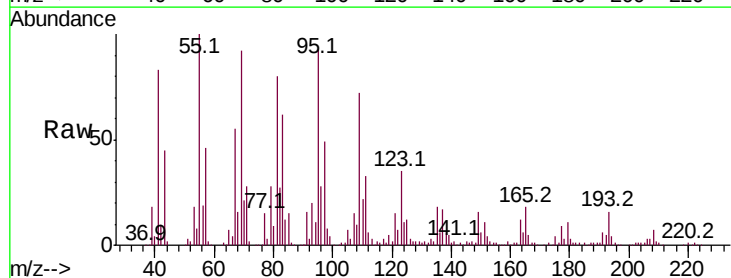
Tgt Ion:165 Resp: 20985

Ion Ratio Lower Upper

165 100

63 4.1 44.7 67.1#

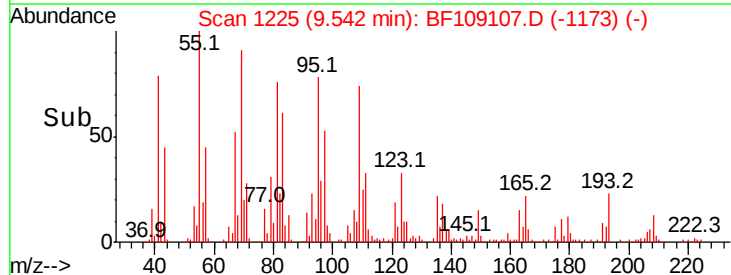
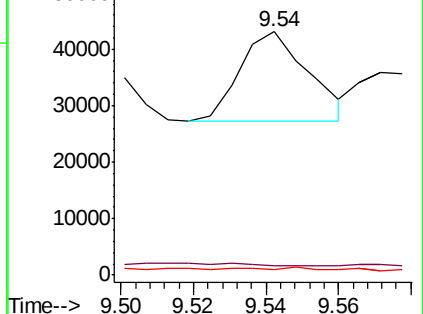
89 2.4 44.0 66.0#

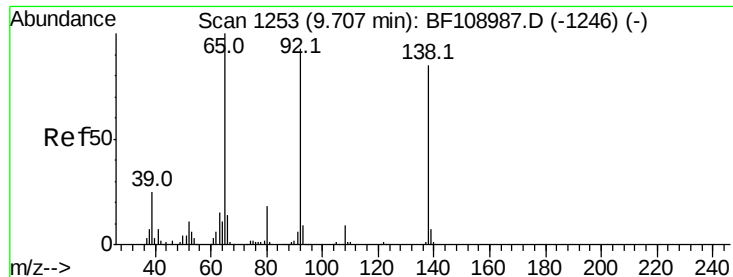


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

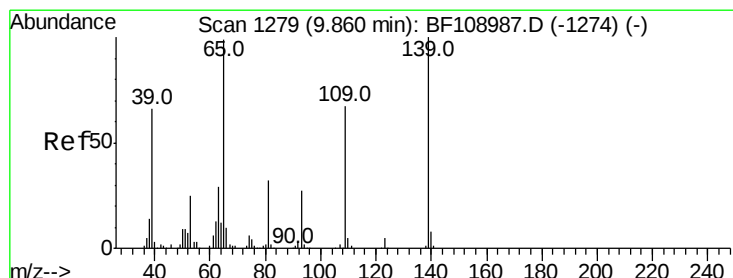
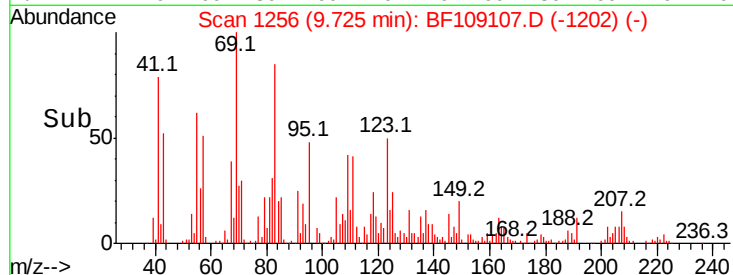
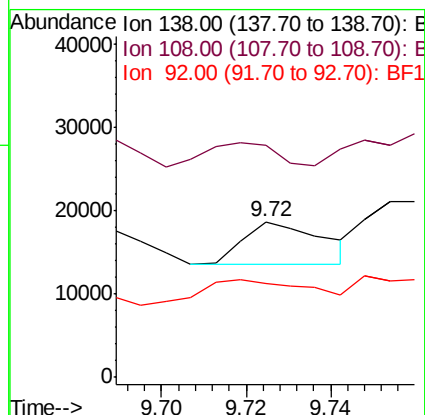
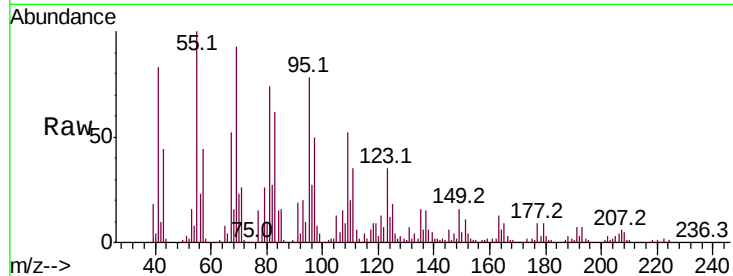




#52
3-Nitroaniline
Concen: 3.155 ng
RT: 9.72 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

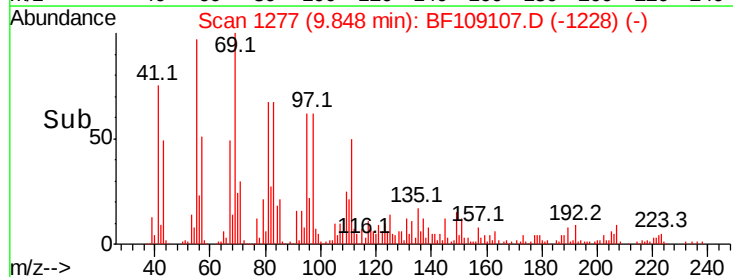
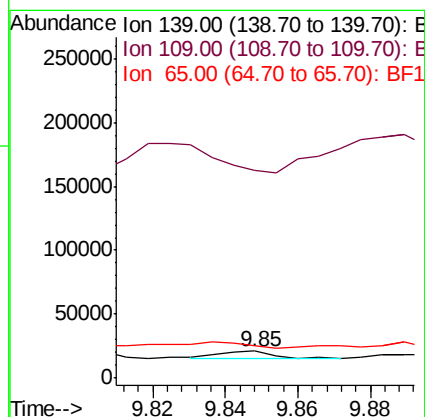
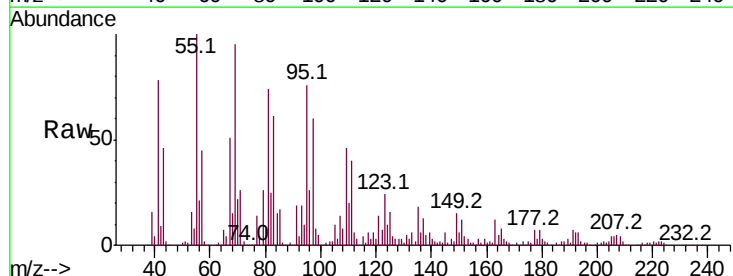
Instrument :
BNA_F
ClientSampled :

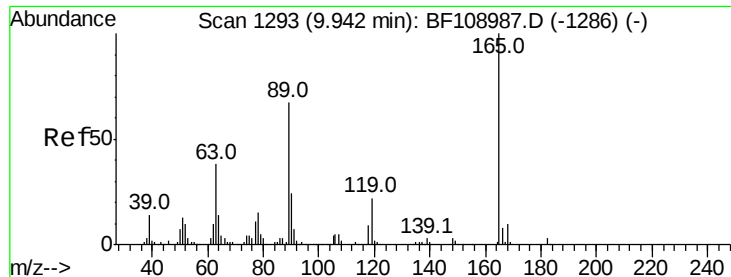
Tot Ion:138 Resp: 6636
Ion Ratio Lower Upper
138 100
108 149.6 9.4 14.0#
92 60.4 89.4 134.2#



#55
4-Nitrophenol
Concen: 4.225 ng
RT: 9.85 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

Tgt Ion:139 Resp: 6547
Ion Ratio Lower Upper
139 100
109 774.5 48.4 88.4#
65 119.0 72.6 112.6#





#56

2,4-Dinitrotoluene

Concen: 8.910 ng

RT: 9.94 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 20814

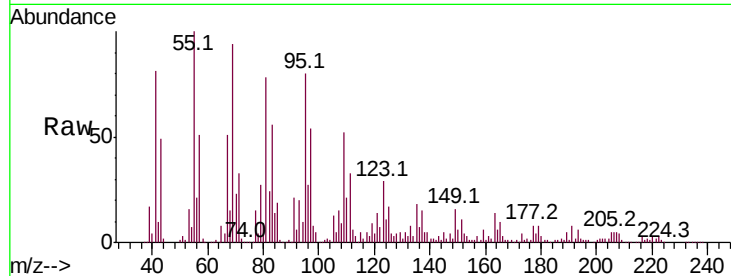
Ion Ratio Lower Upper

165 100

63 9.3 36.4 54.6#

89 6.3 57.8 86.6#

182 9.3 1.6 2.4#

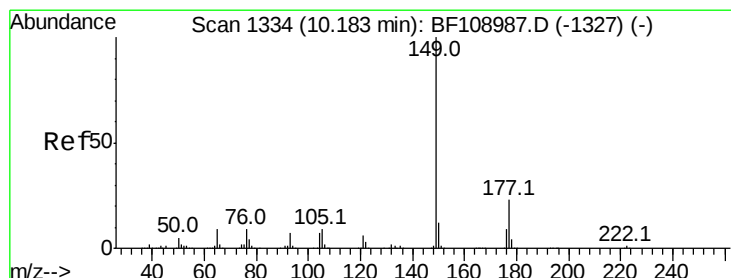
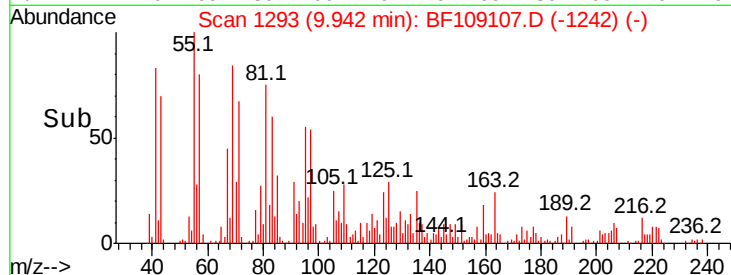
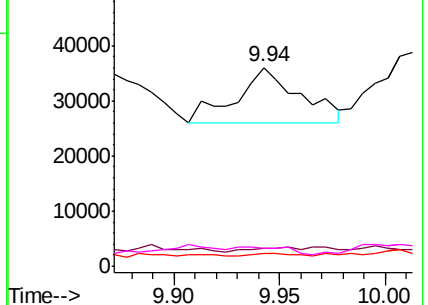


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#59

Diethylphthalate

Concen: 3.817 ng

RT: 10.19 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

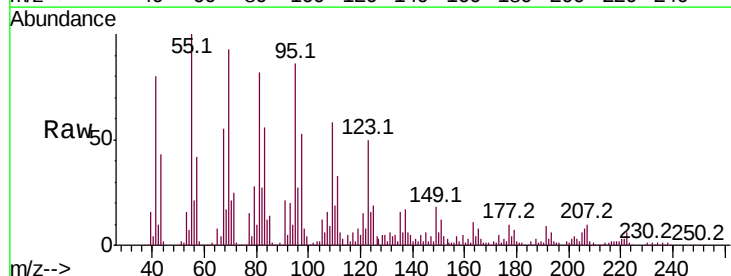
Tgt Ion:149 Resp: 31048

Ion Ratio Lower Upper

149 100

177 56.7 16.1 24.1#

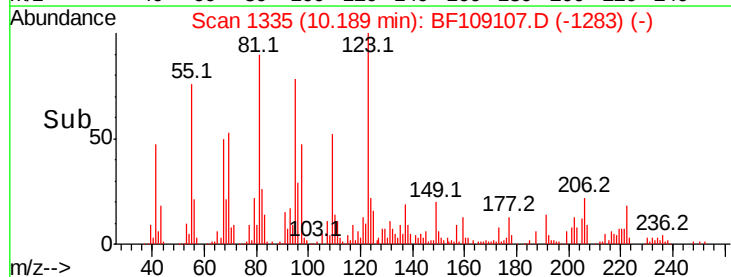
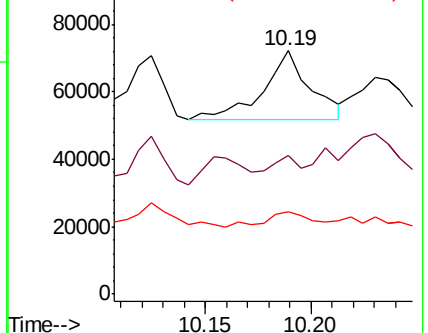
150 34.1 10.1 15.1#

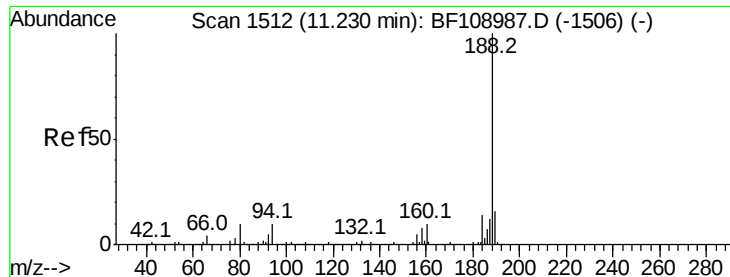


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1518

Delta R.T. 0.04 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

Instrument :

BNA_F

ClientSampled :

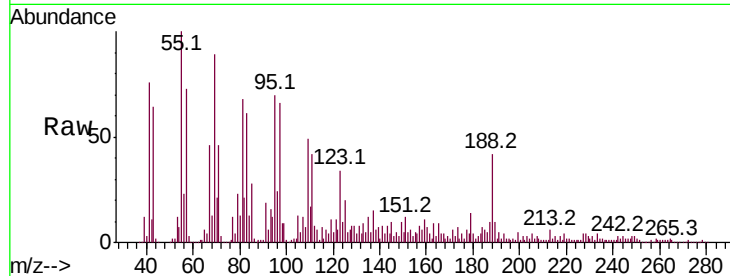
Tot Ion:188 Resp: 162152

Ion Ratio Lower Upper

188 100

94 28.6 8.5 12.7#

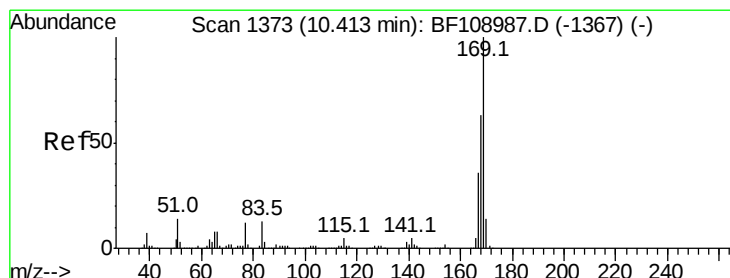
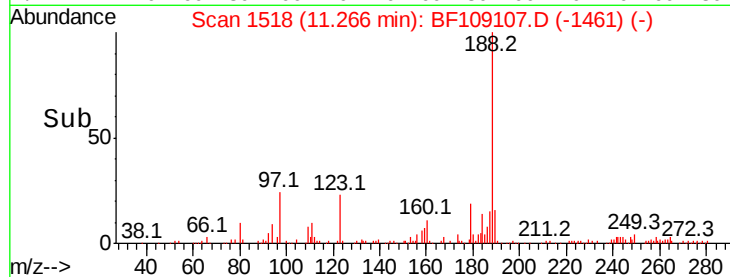
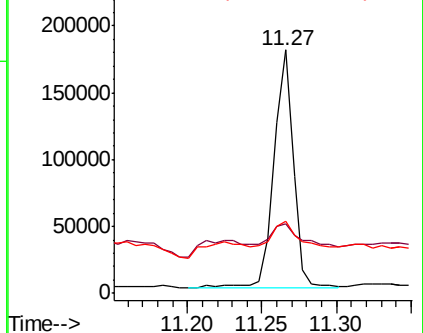
80 29.9 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

n-Nitrosodiphenylamine

Concen: 3.582 ng

RT: 10.45 min Scan# 1380

Delta R.T. 0.04 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

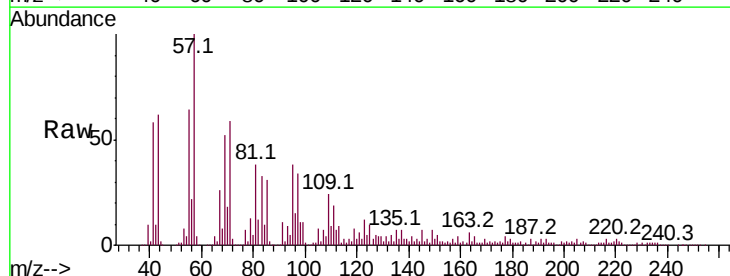
Tgt Ion:169 Resp: 18997

Ion Ratio Lower Upper

169 100

168 33.9 54.4 81.6#

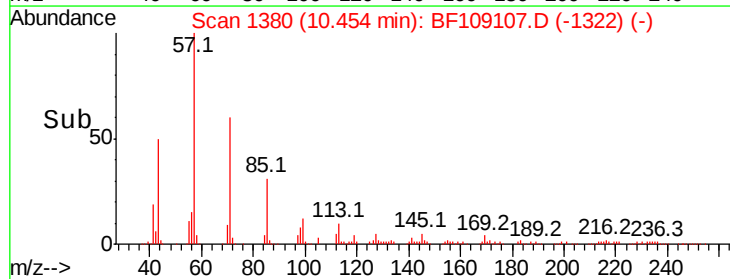
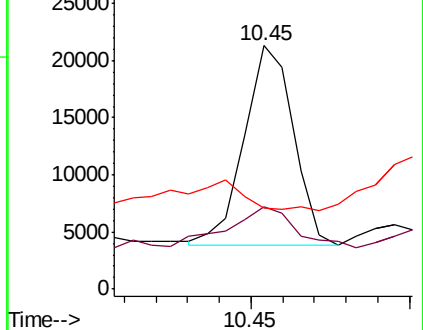
167 33.3 29.8 44.6

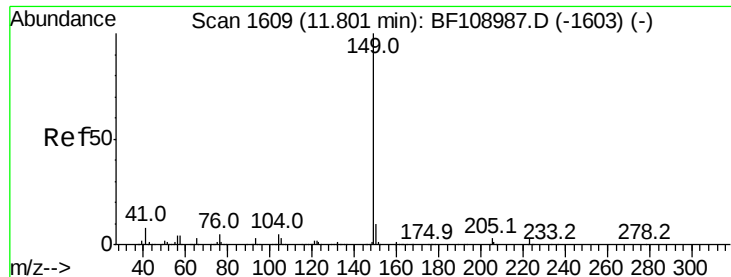


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

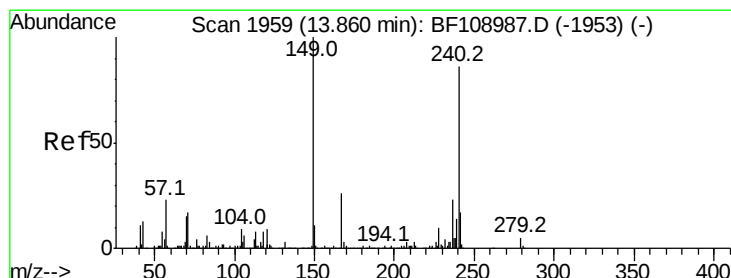
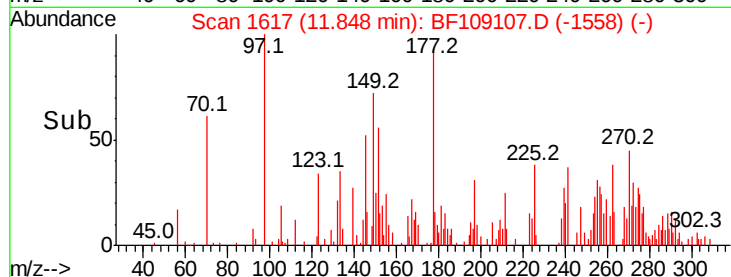
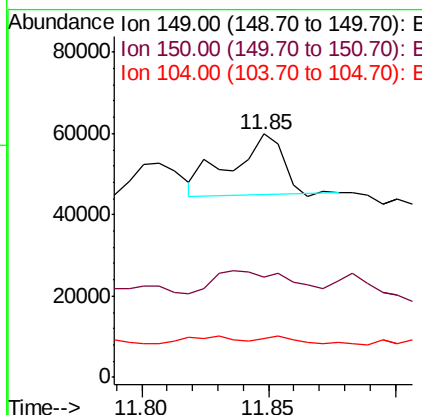
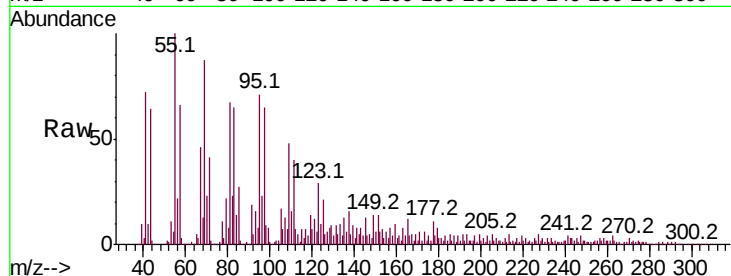




#73
Di-n-butylphthalate
Concen: 2.261 ng
RT: 11.85 min Scan# 1617
Delta R.T. 0.05 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

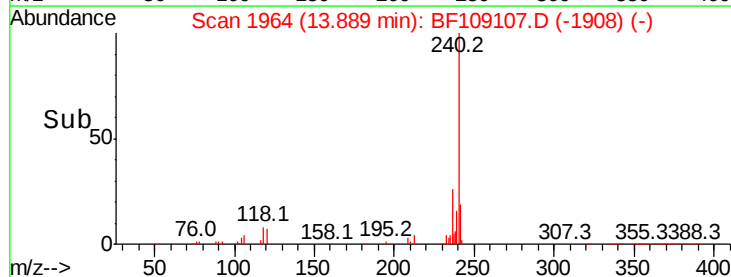
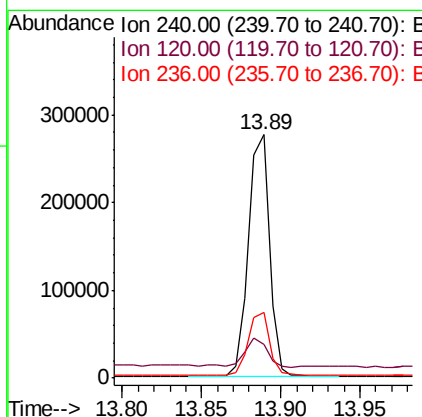
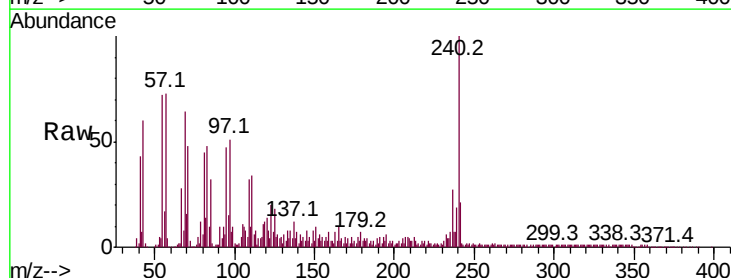
Instrument :
BNA_F
ClientSampleId :

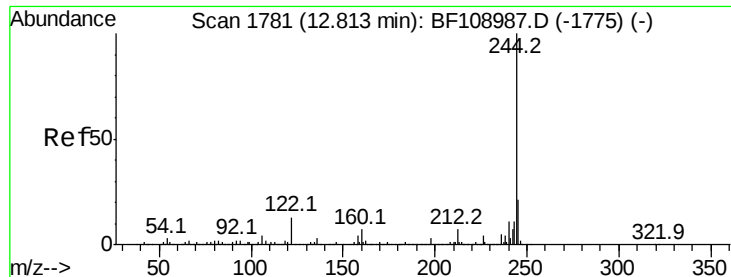
Tot Ion:149 Resp: 21107
Ion Ratio Lower Upper
149 100
150 41.0 7.8 11.6#
104 16.2 3.8 5.8#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 1964
Delta R.T. 0.03 min
Lab File: BF109107.D
Acq: 18 Sep 2018 20:29

Tgt Ion:240 Resp: 255298
Ion Ratio Lower Upper
240 100
120 14.1 9.5 14.3
236 27.1 20.7 31.1





#78

Terphenyl-d14

Concen: 37.480 ng

RT: 12.85 min Scan# 1787

Delta R.T. 0.04 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

Instrument :

BNA_F

ClientSampled :

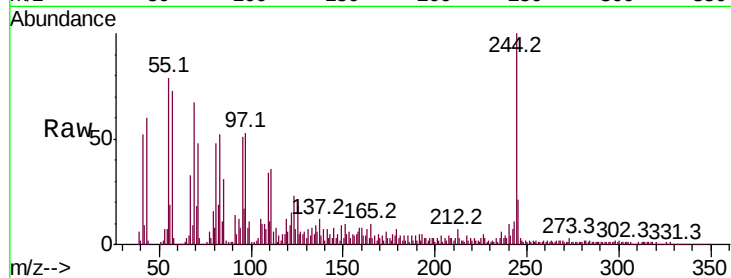
Tot Ion:244 Resp: 403692

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

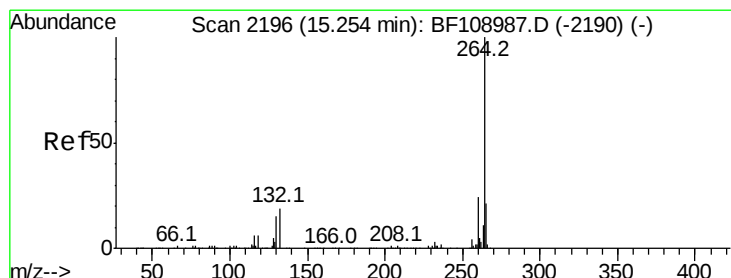
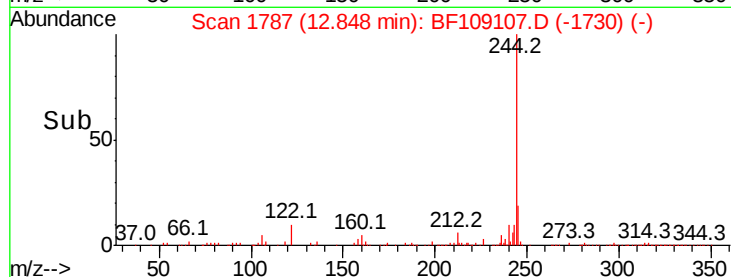
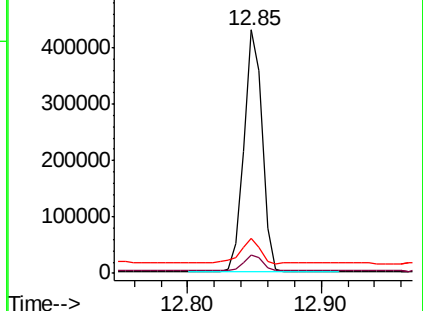
122 14.6 11.0 16.4



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: 15.28 min Scan# 2200

Delta R.T. 0.02 min

Lab File: BF109107.D

Acq: 18 Sep 2018 20:29

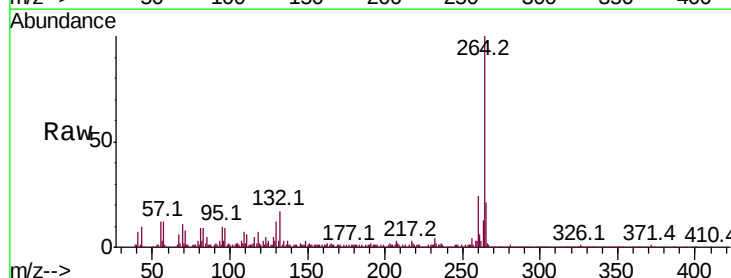
Tgt Ion:264 Resp: 306975

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.3 17.5 26.3



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

