

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099378.D
 Acq On : 12 Oct 2017 7:43
 Operator : SJ/JU
 Sample : I5530-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 08:09:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	121970	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	460664	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	187108	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	317887	20.00	ng	0.00
75) Chrysene-d12	14.01	240	199397	20.00	ng	0.00
86) Perylene-d12	15.48	264	197635	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	950772	124.09	ng	0.01
7) Phenol-d6	6.49	99	1134661	120.05	ng	0.00
23) Nitrobenzene-d5	7.42	82	655437	91.24	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	196015	128.03	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	960156	85.67	ng	0.00
78) Terphenyl-d14	12.96	244	759836	86.66	ng	0.00

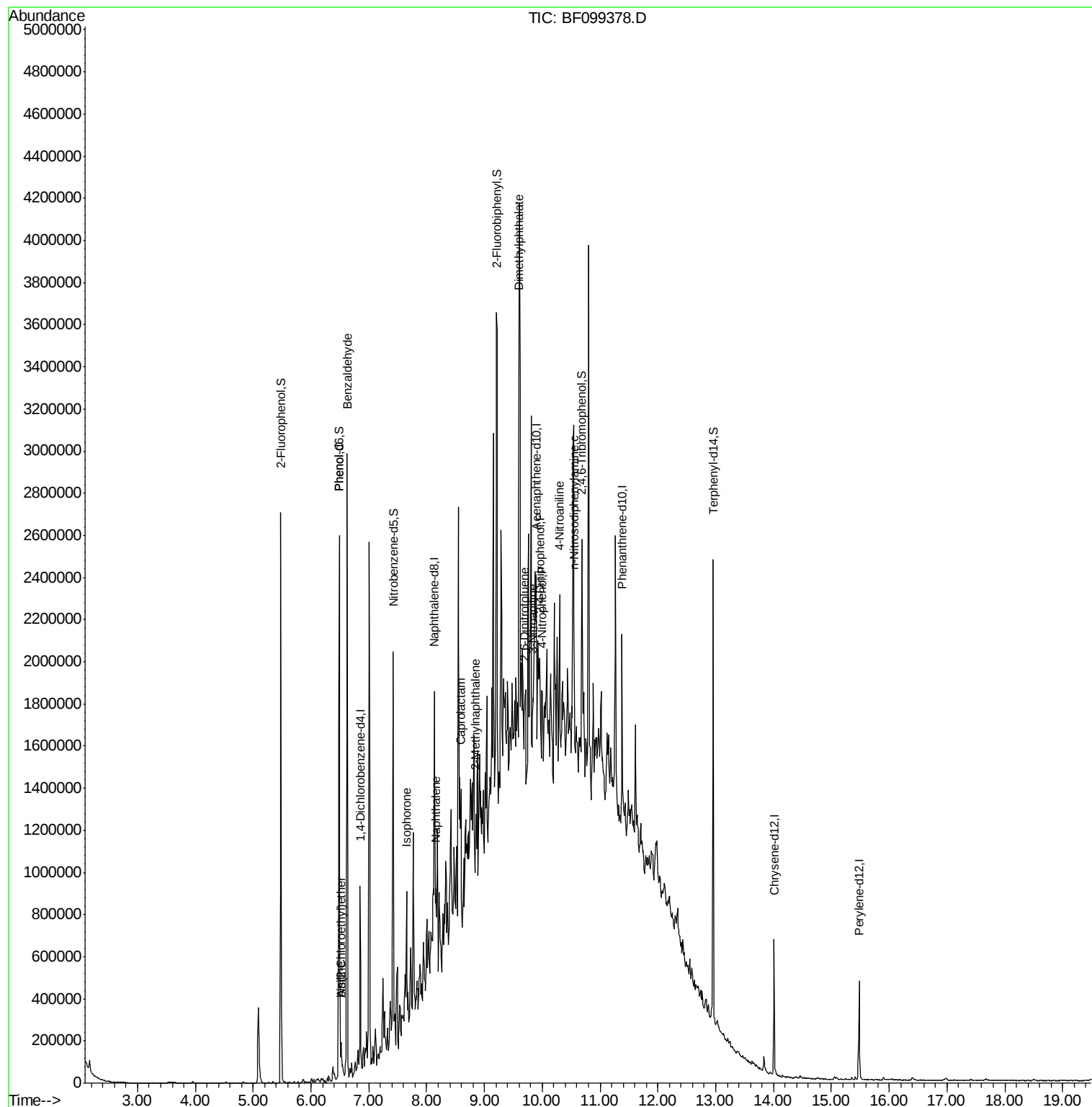
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.52	93	45051	3.53	ng	99
9) Benzaldehyde	6.63	77	18603	3.39	ng	85
10) Phenol	6.50	94	41302	3.91	ng	89
11) bis(2-Chloroethyl)ether	6.52	93	45051	5.48	ng	# 33
25) Isophorone	7.66	82	32987	2.22	ng	# 1
31) Naphthalene	8.16	128	54597	2.52	ng	# 94
35) Caprolactam	8.59	113	8465	4.15	ng	# 1
37) 2-Methylnaphthalene	8.85	142	58049	4.13	ng	97
49) Dimethylphthalate	9.60	163	127726	9.04	ng	# 80
50) 2,6-Dinitrotoluene	9.69	165	6156	2.00	ng	# 46
52) 3-Nitroaniline	9.84	138	13304	3.71	ng	# 16
53) 2,4-Dinitrophenol	9.96	184	313	6.01	ng	# 1
55) 4-Nitrophenol	10.00	139	6164	2.03	ng	# 1
61) 4-Nitroaniline	10.30	138	7730	2.24	ng	86
65) n-Nitrosodiphenylamine	10.55	169	83405	7.57	ng	# 44

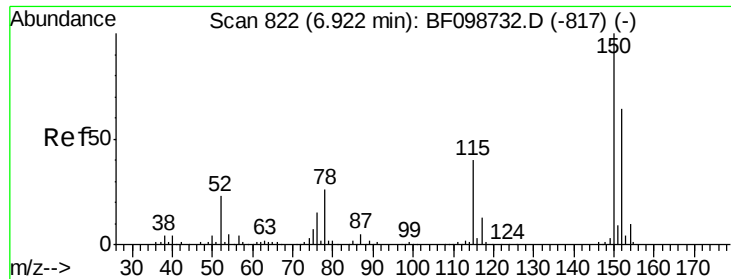
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

Instrument :

BNA_F

ClientSampleId :

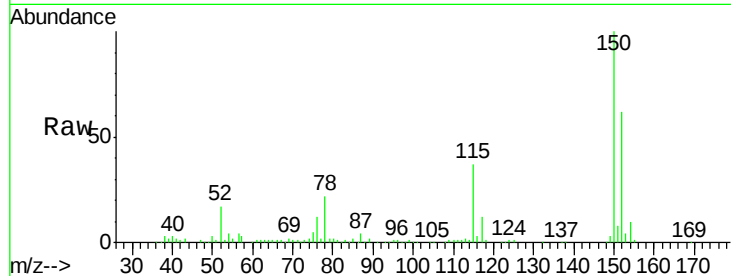
Tot Ion:152 Resp: 121970

Ion Ratio Lower Upper

152 100

150 160.1 124.6 186.8

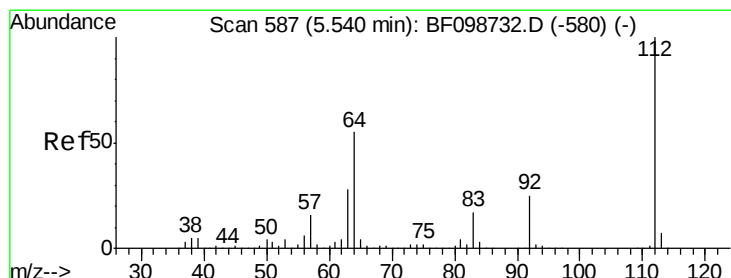
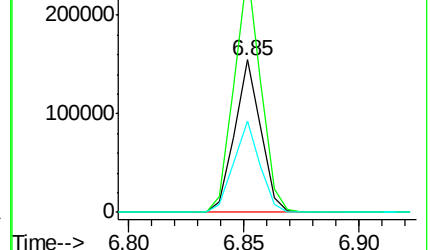
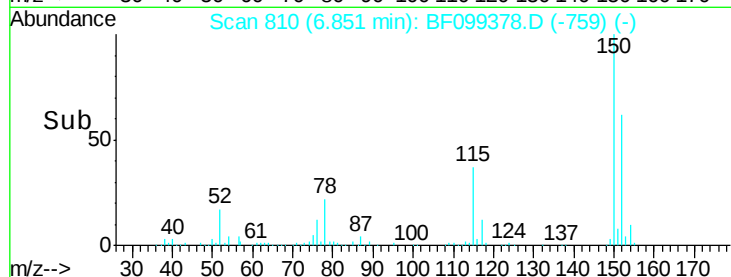
115 59.8 50.1 75.1



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: 124.09 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

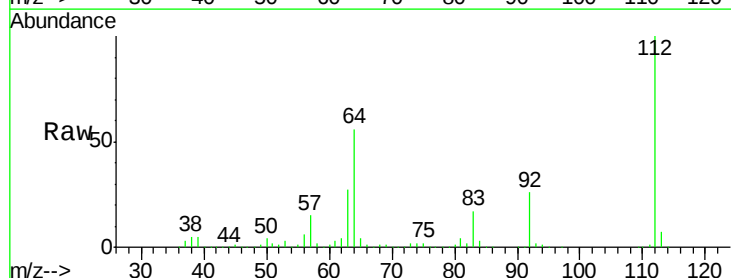
Tgt Ion:112 Resp: 950772

Ion Ratio Lower Upper

112 100

64 56.3 47.9 71.9

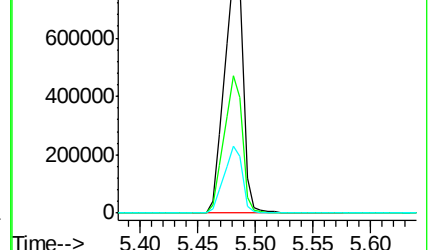
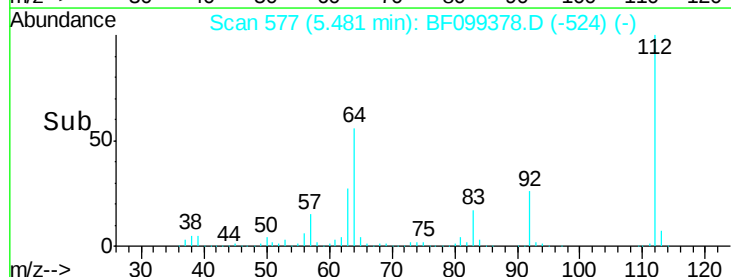
63 27.3 23.7 35.5

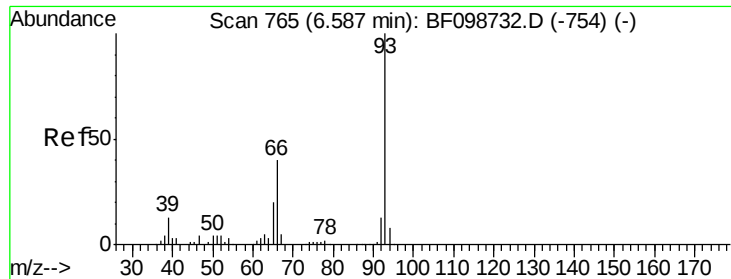


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.53 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

Instrument :

BNA_F

ClientSampled :

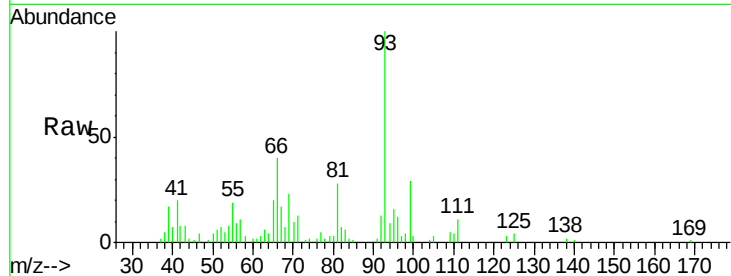
Tot Ion: 93 Resp: 45051

Ion Ratio Lower Upper

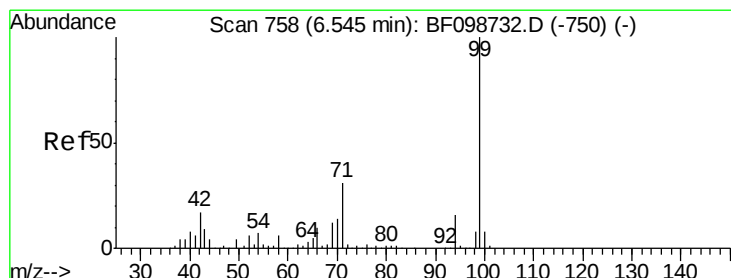
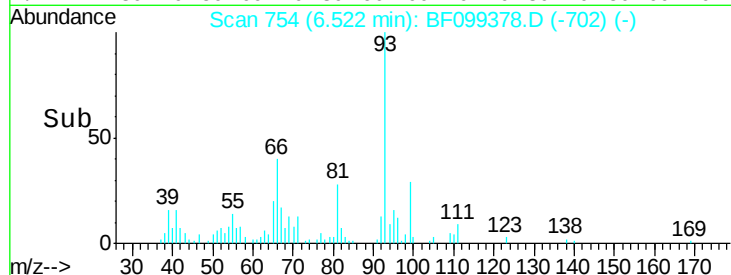
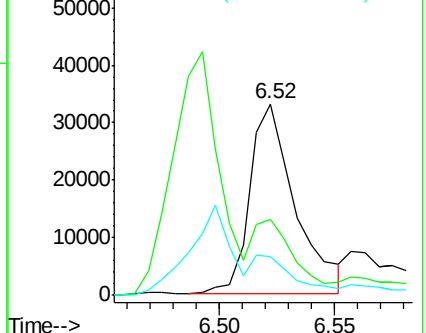
93 100

66 39.7 32.2 48.2

65 20.0 16.4 24.6



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 120.05 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

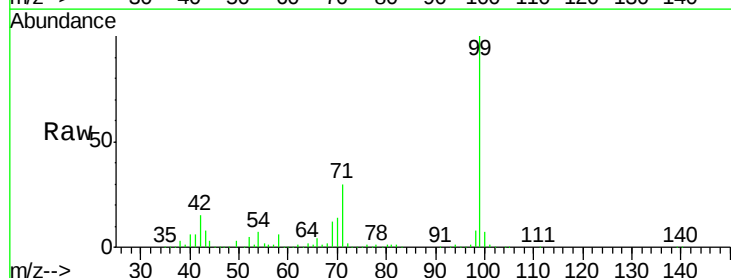
Tgt Ion: 99 Resp: 1134661

Ion Ratio Lower Upper

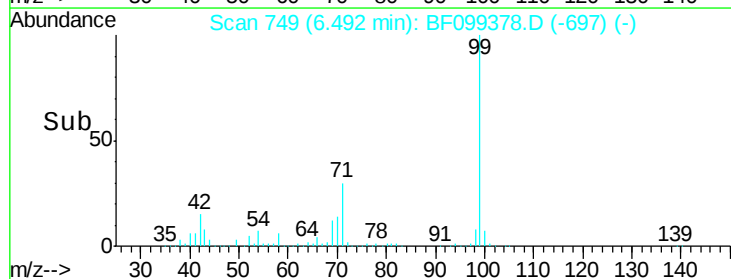
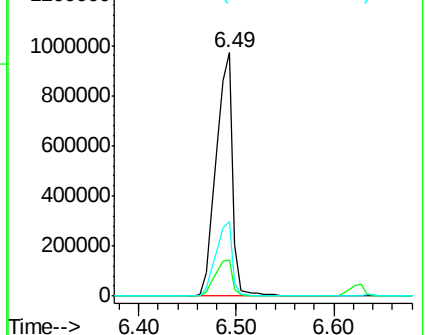
99 100

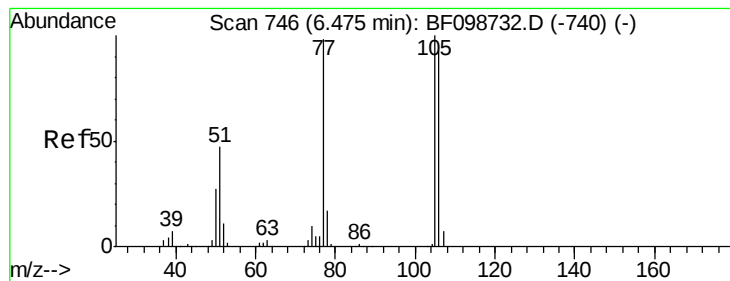
42 15.1 14.5 21.7

71 30.5 25.4 38.0



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: 3.39 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

Instrument :

BNA_F

ClientSampled :

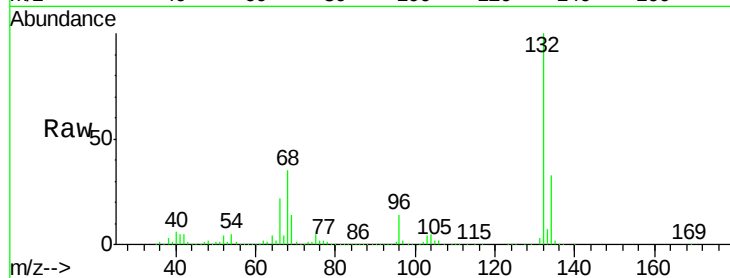
Tot Ion: 77 Resp: 18603

Ion Ratio Lower Upper

77 100

105 82.8 81.1 121.1

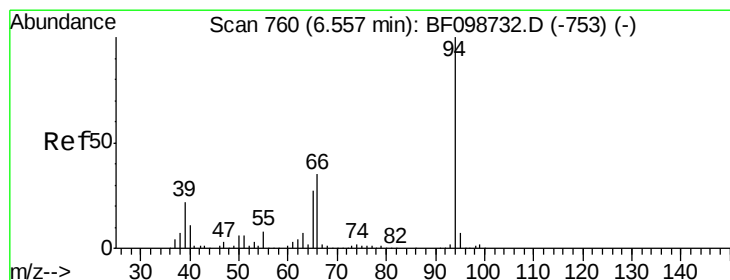
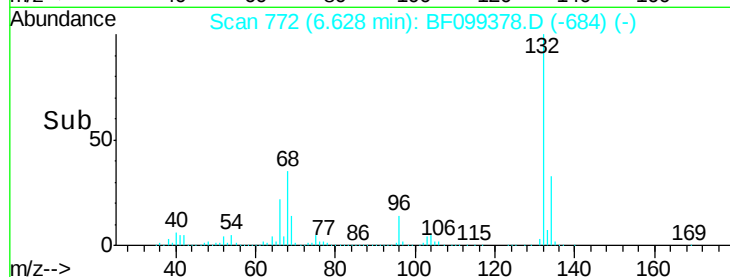
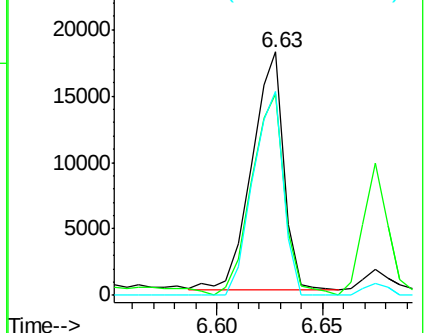
106 83.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 3.91 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

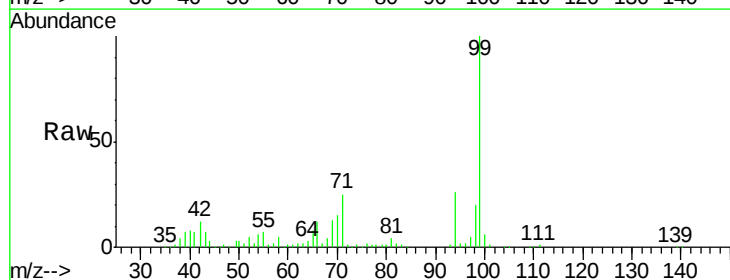
Tgt Ion: 94 Resp: 41302

Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

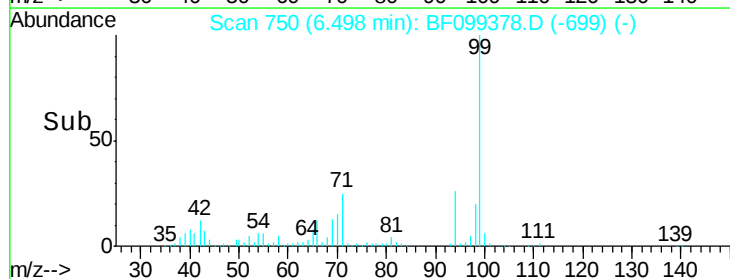
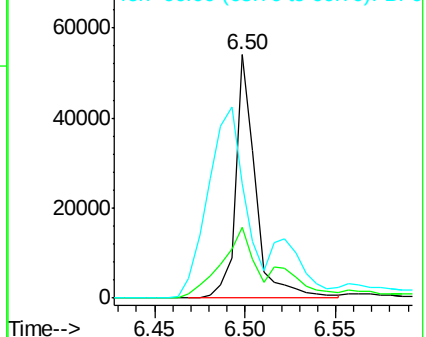
66 46.9 16.2 56.2

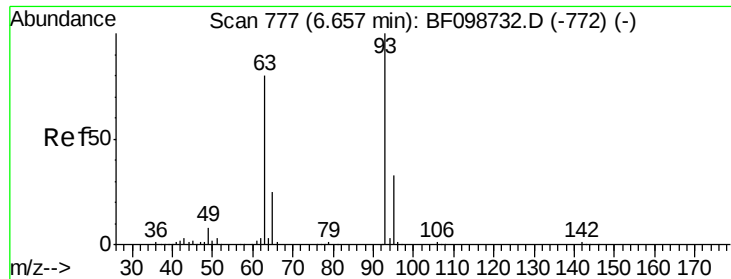


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

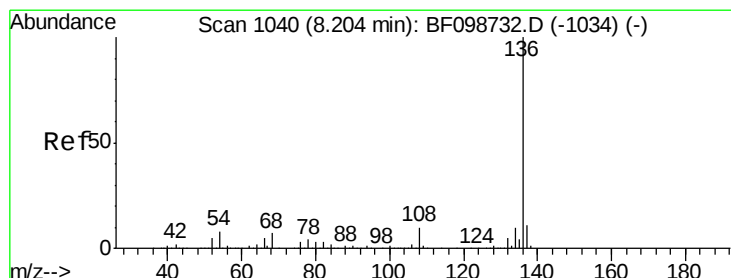
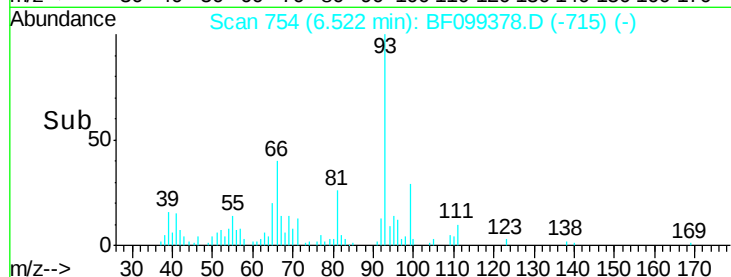
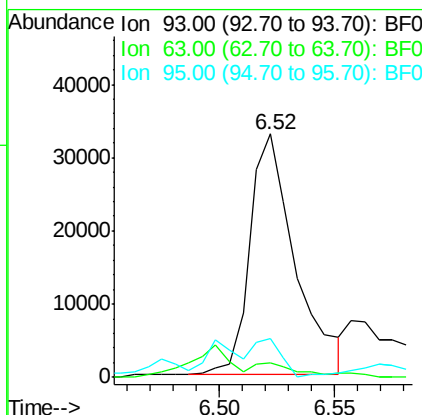
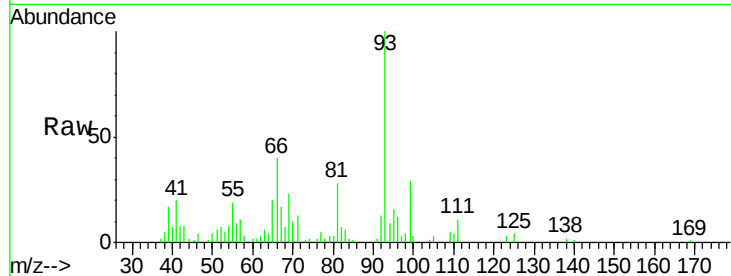




#11
bis(2-Chloroethyl)ether
Concen: 5.48 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.07 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

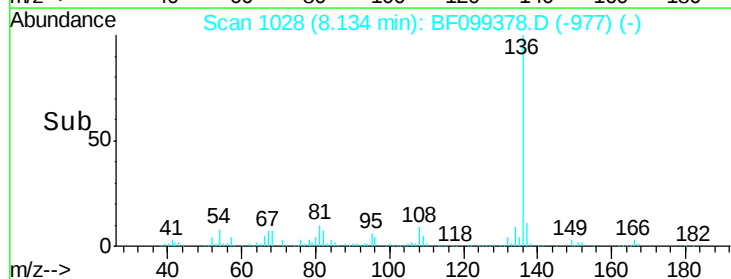
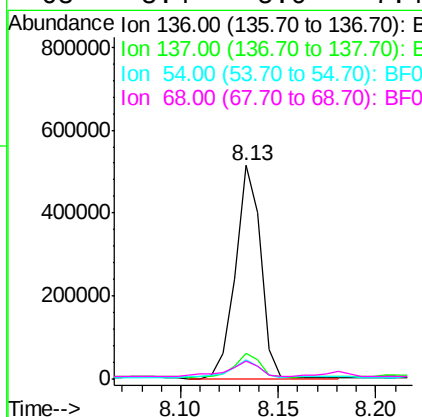
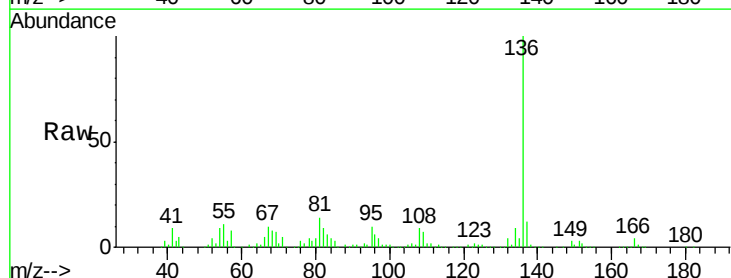
Instrument :
BNA_F
ClientSampleId :

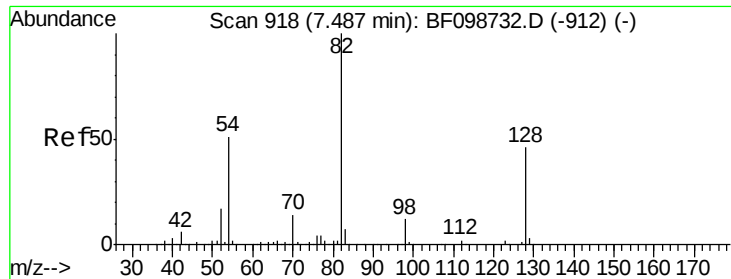
Tot Ion: 93 Resp: 45051
Ion Ratio Lower Upper
93 100
63 6.1 58.6 98.6#
95 16.1 11.8 51.8



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Tgt Ion: 136 Resp: 460664
Ion Ratio Lower Upper
136 100
137 11.9 8.9 13.3
54 8.8 6.6 9.8
68 8.4 5.0 7.4#

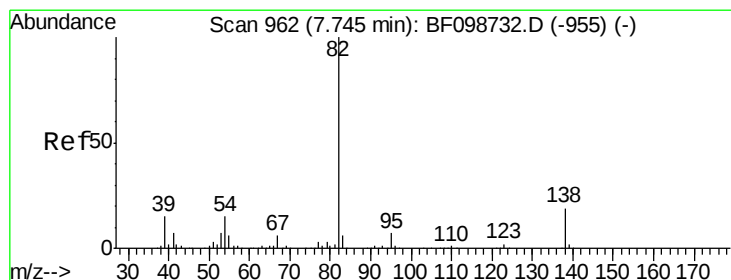
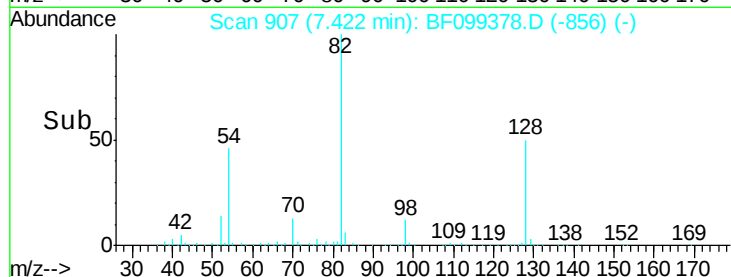
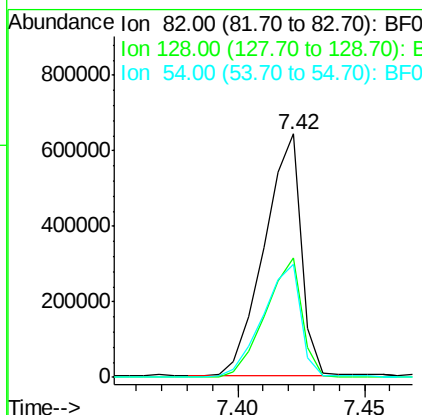
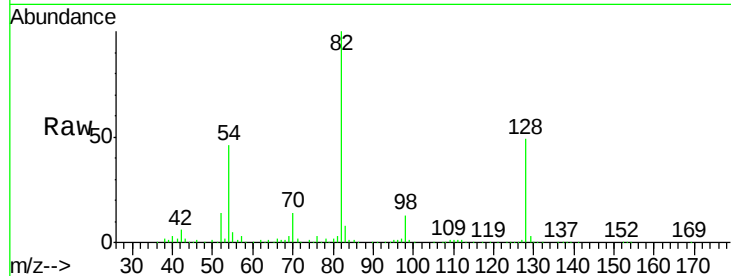




#23
 Nitrobenzene-d5
 Concen: 91.24 ng
 RT: 7.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BF099378.D
 Acq: 12 Oct 2017 7:43

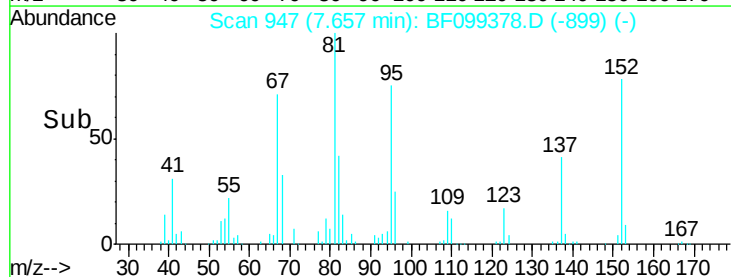
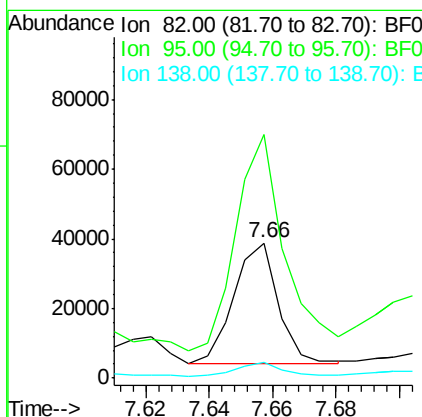
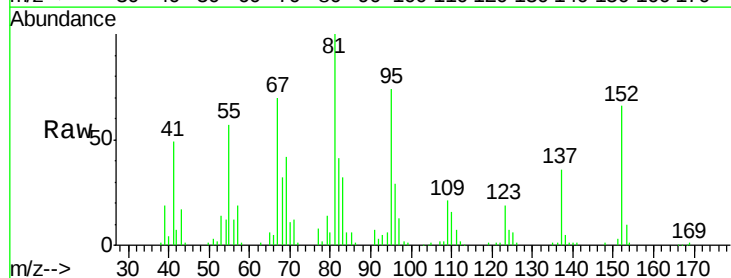
Instrument :
 BNA_F
 ClientSampleId :

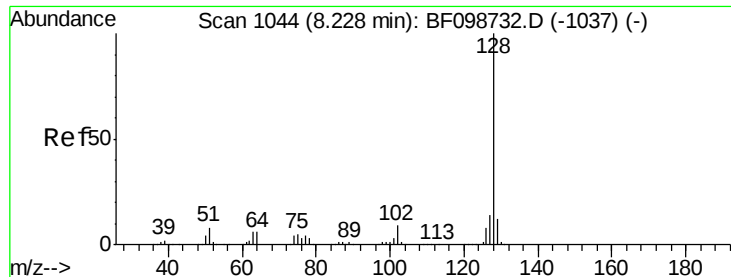
Tot Ion	82	Resp	655437
Ion Ratio	Lower	Upper	
82	100		
128	49.3	36.1	54.1
54	46.2	41.4	62.2



#25
 Isophorone
 Concen: 2.22 ng
 RT: 7.66 min Scan# 947
 Delta R.T. -0.02 min
 Lab File: BF099378.D
 Acq: 12 Oct 2017 7:43

Tgt Ion	82	Resp	32987
Ion Ratio	Lower	Upper	
82	100		
95	180.6	5.2	7.8#
138	11.9	14.9	22.3#

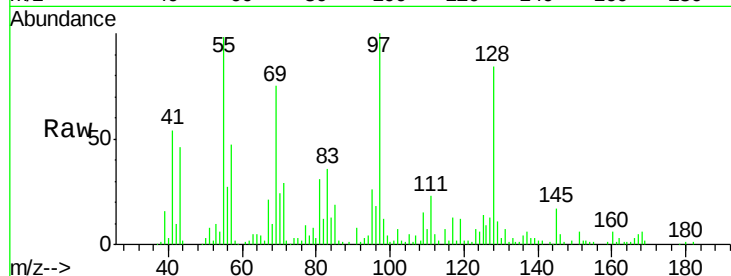




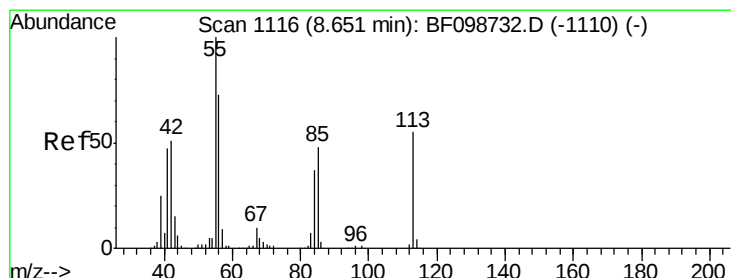
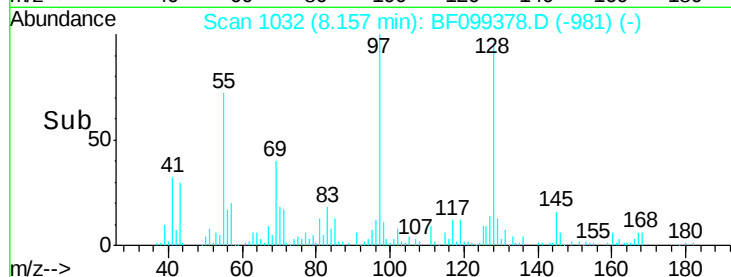
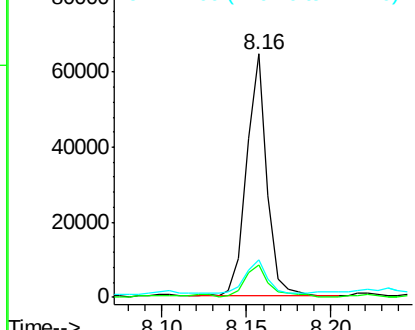
#31
Naphthalene
Concen: 2.52 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 54597
Ion Ratio Lower Upper
128 100
129 13.5 8.8 13.2#
127 15.5 10.9 16.3

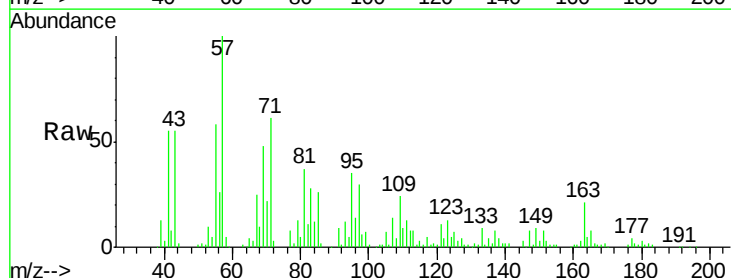


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

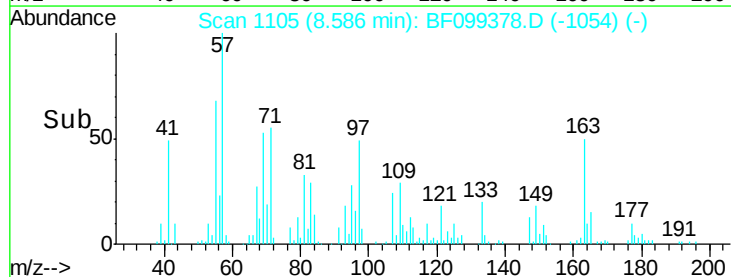
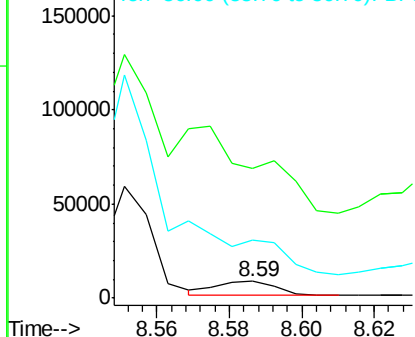


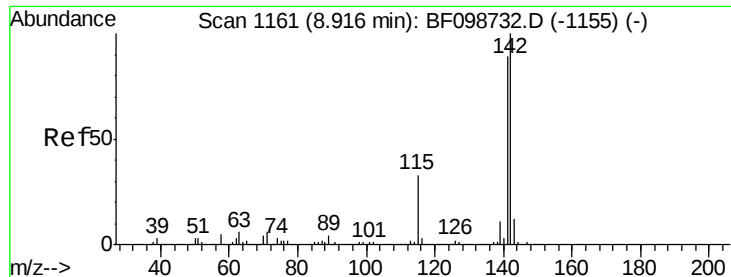
#35
Caprolactam
Concen: 4.15 ng
RT: 8.59 min Scan# 1105
Delta R.T. 0.00 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Tgt Ion:113 Resp: 8465
Ion Ratio Lower Upper
113 100
55 773.5 163.3 203.3#
56 341.9 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

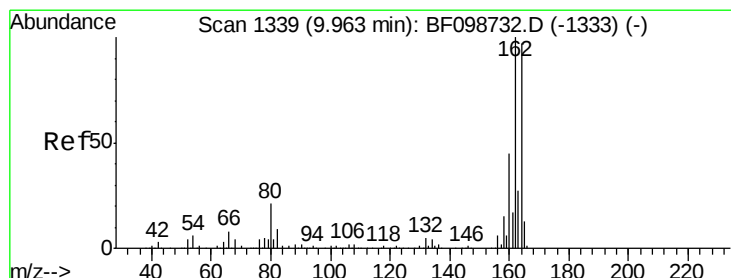
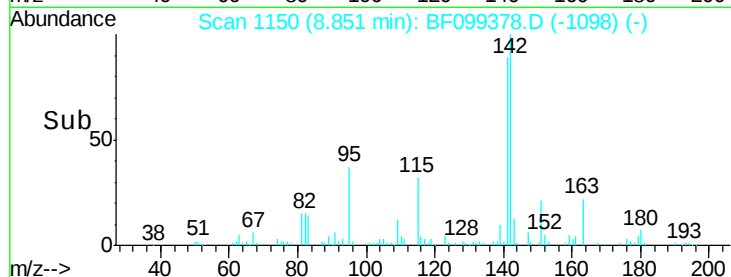
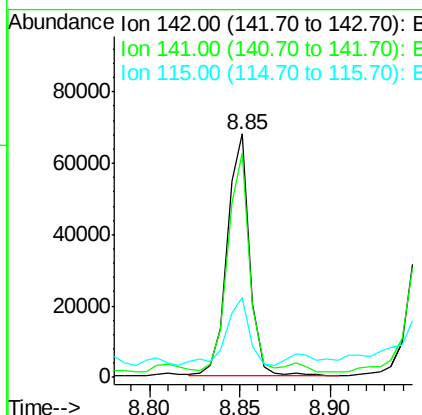
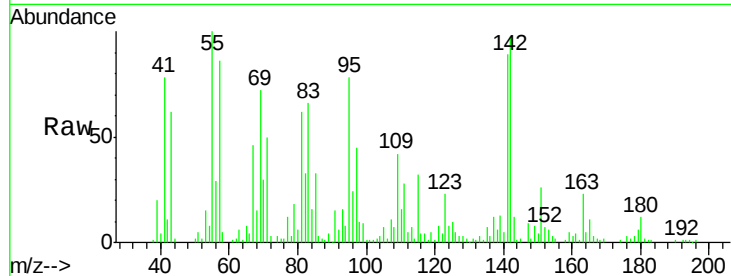




#37
2-Methylnaphthalene
Concen: 4.13 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

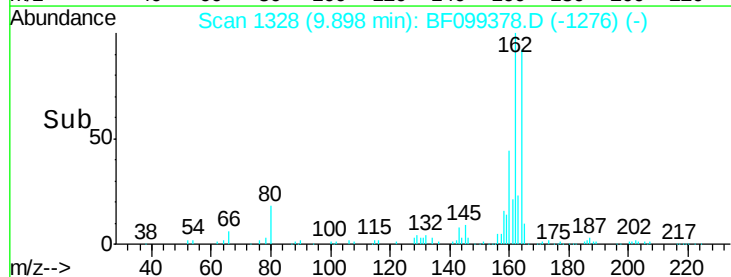
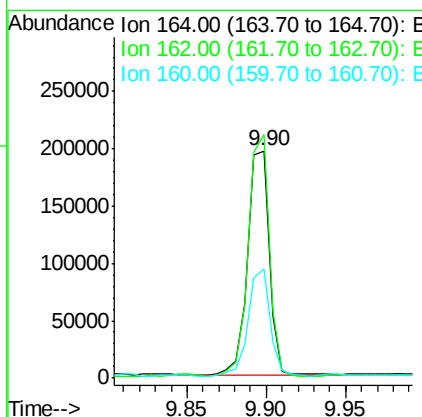
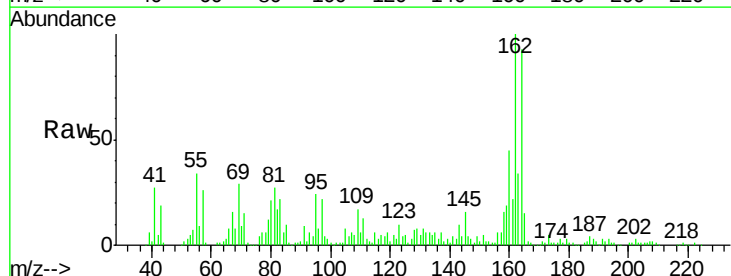
Instrument :
BNA_F
ClientSampleId :

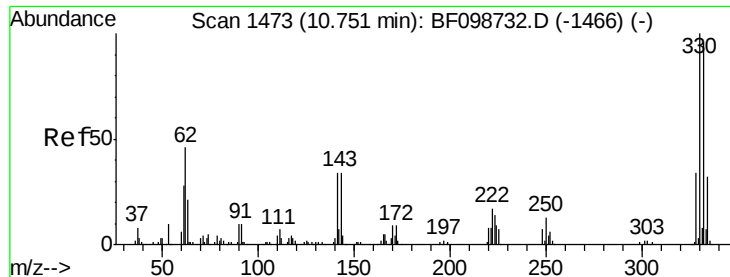
Tot Ion:142 Resp: 58049
Ion Ratio Lower Upper
142 100
141 91.9 70.8 106.2
115 32.9 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Tgt Ion:164 Resp: 187108
Ion Ratio Lower Upper
164 100
162 107.1 86.1 129.1
160 47.9 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 128.03 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

Instrument :

BNA_F

ClientSampleId :

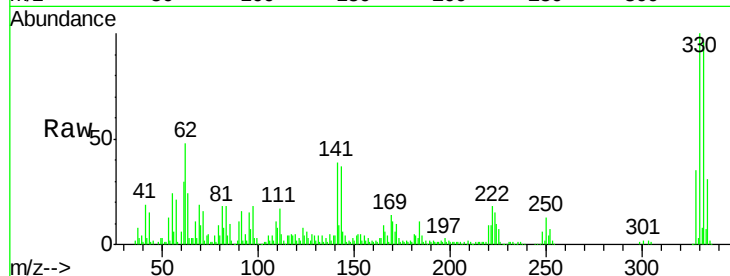
Tot Ion:330 Resp: 196015

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 33.3 29.9 44.9

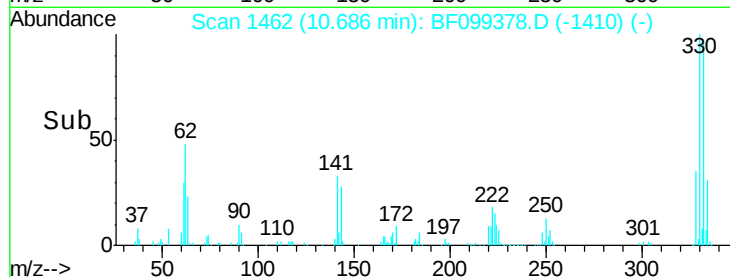


Abundance Ion 329.80 (329.50 to 330.50): E

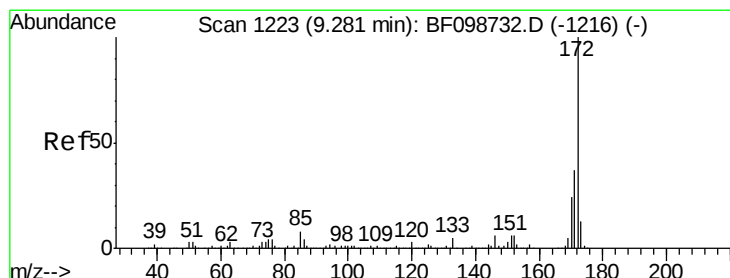
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time--> 10.60 10.70 10.80



Time--> 10.60 10.70 10.80



#44

2-Fluorobiphenyl

Concen: 85.67 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

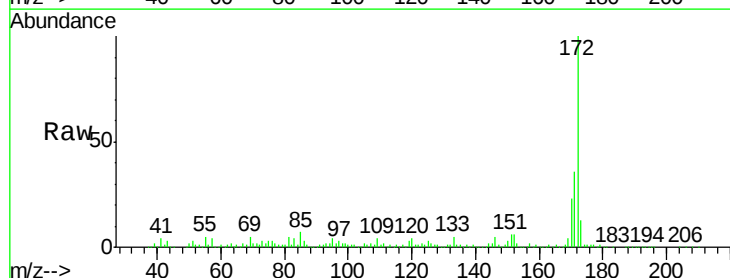
Tgt Ion:172 Resp: 960156

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

170 23.2 19.6 29.4

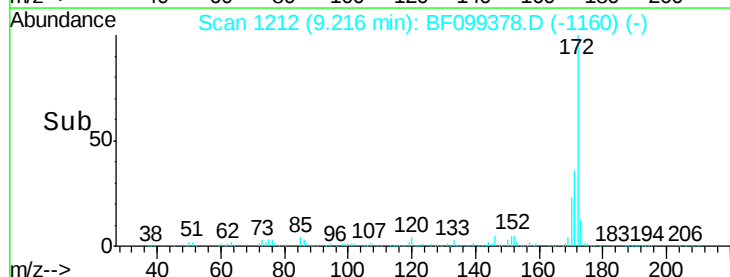


Abundance Ion 172.00 (171.70 to 172.70): E

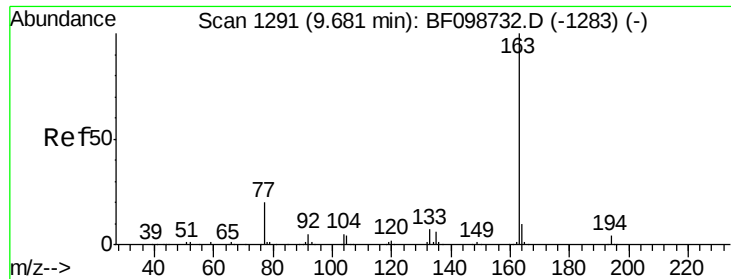
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time--> 9.10 9.15 9.20 9.25



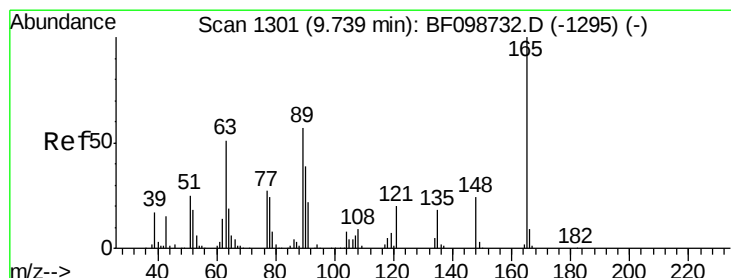
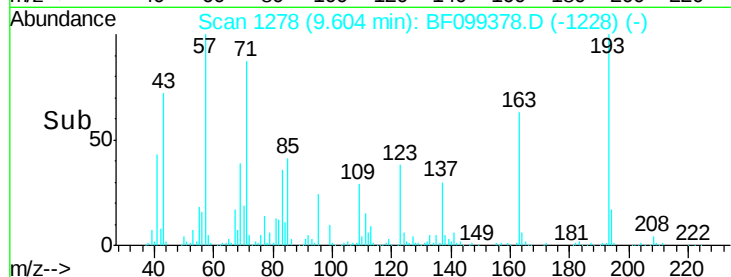
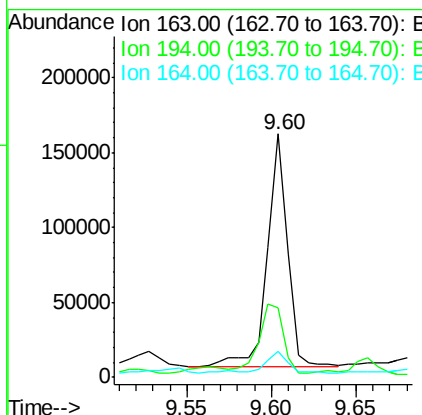
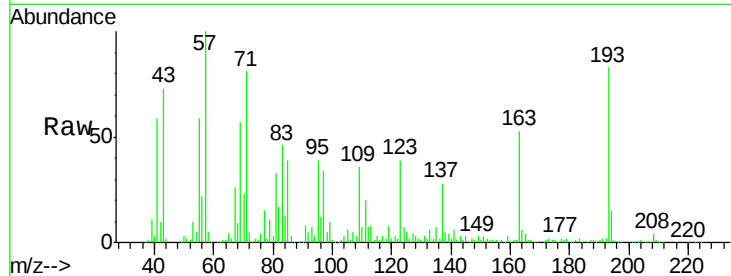
Time--> 9.10 9.15 9.20 9.25



#49
Dimethylphthalate
Concen: 9.04 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

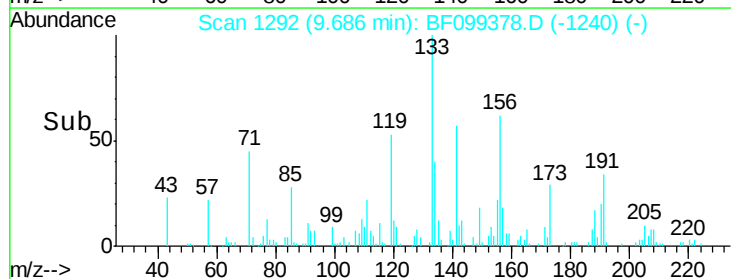
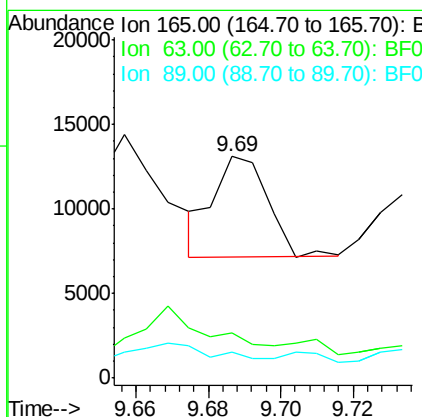
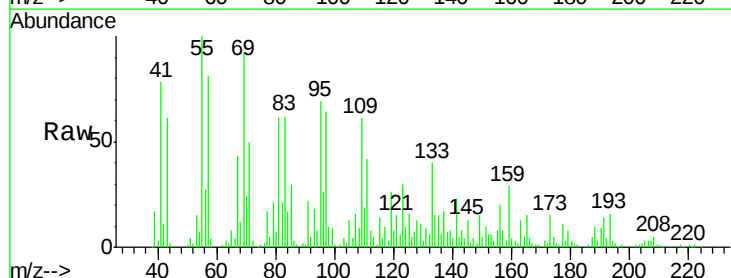
Instrument :
BNA_F
ClientSampleId :

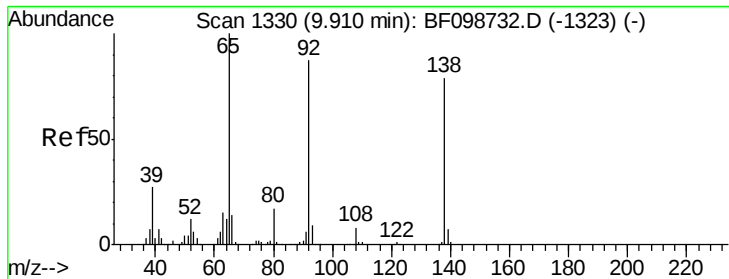
Tot Ion:163 Resp: 127726
Ion Ratio Lower Upper
163 100
194 28.6 2.7 4.1#
164 10.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 2.00 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Tgt Ion:165 Resp: 6156
Ion Ratio Lower Upper
165 100
63 20.7 44.7 67.1#
89 12.0 44.0 66.0#

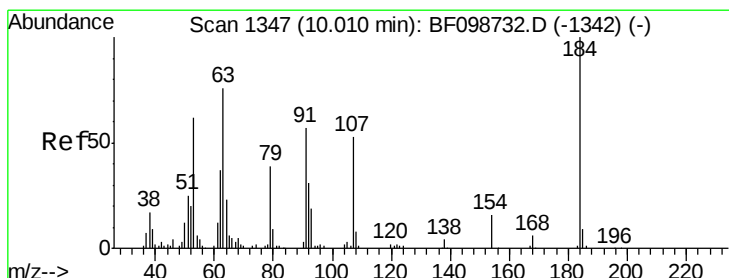
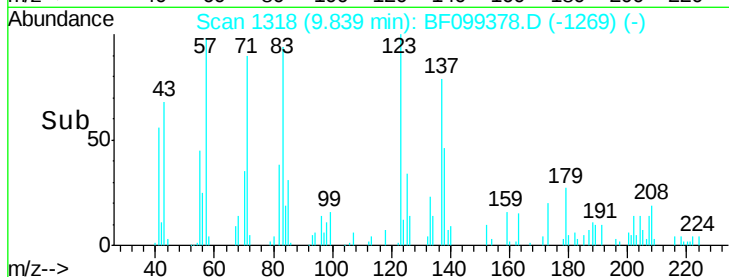
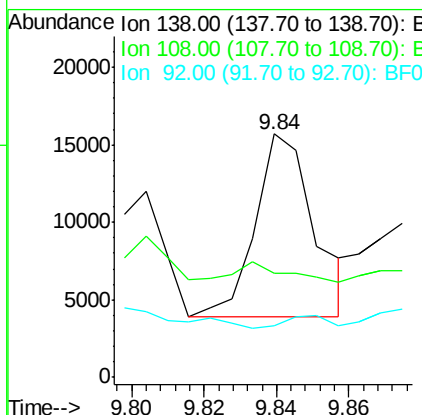
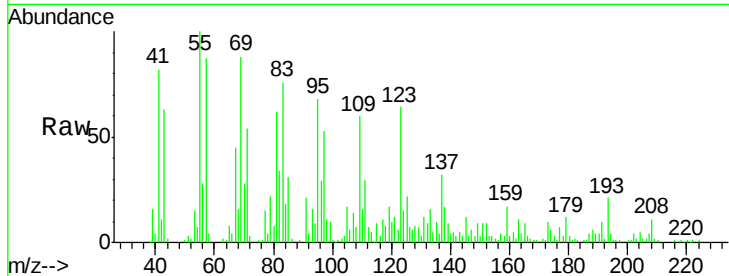




#52
3-Nitroaniline
Concen: 3.71 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

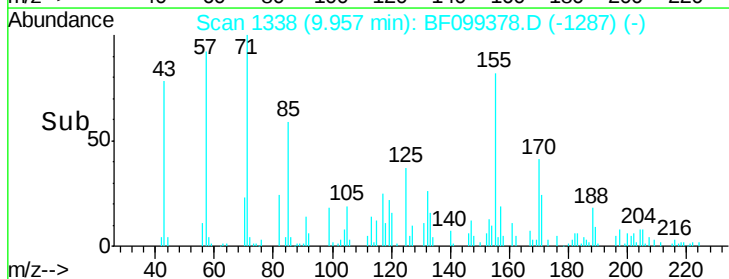
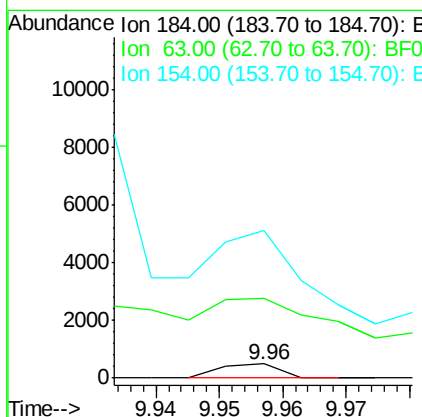
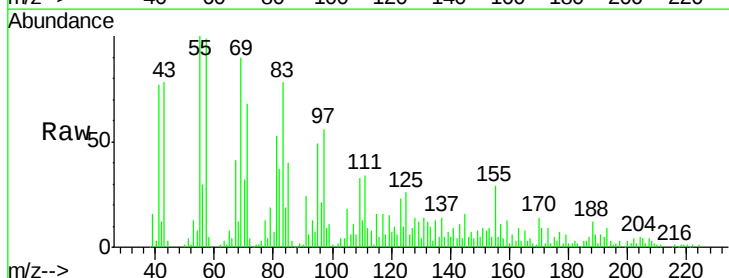
Instrument :
BNA_F
ClientSampleId :

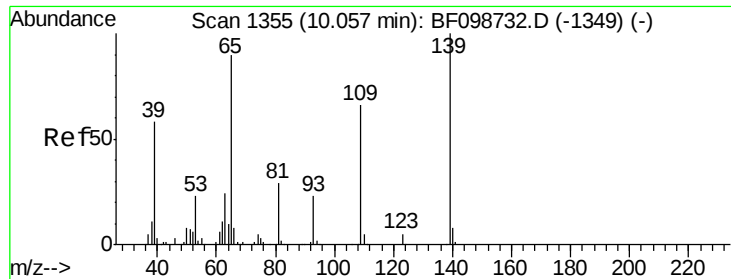
Tot Ion:138 Resp: 13304
Ion Ratio Lower Upper
138 100
108 42.5 9.4 14.0#
92 21.3 89.4 134.2#



#53
2,4-Dinitrophenol
Concen: 6.01 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Tgt Ion:184 Resp: 313
Ion Ratio Lower Upper
184 100
63 575.4 54.2 81.2#
154 1063.8 53.5 80.3#

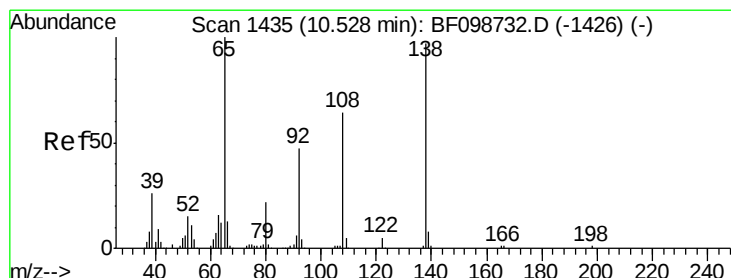
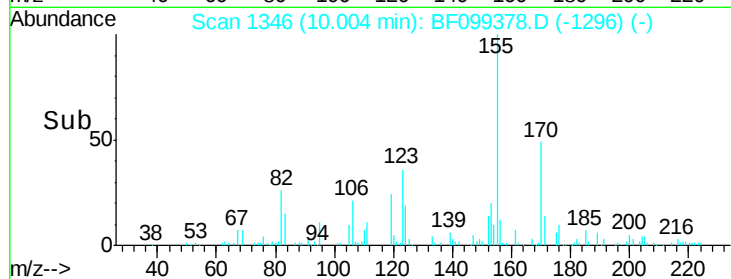
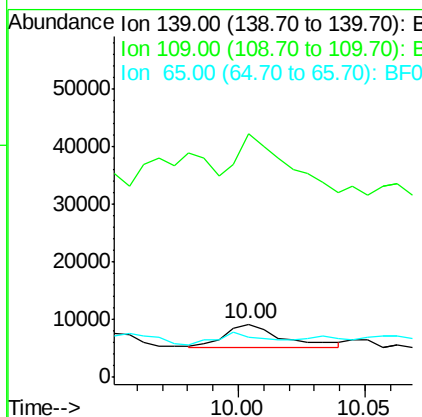
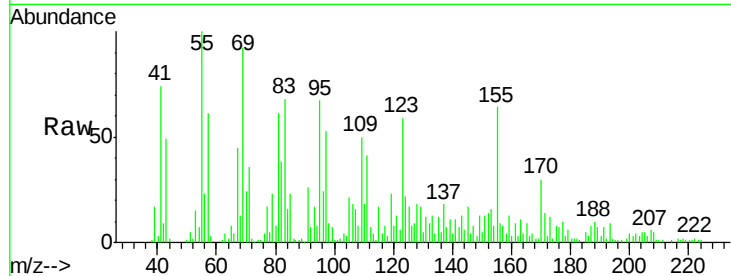




#55
4-Nitrophenol
Concen: 2.03 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

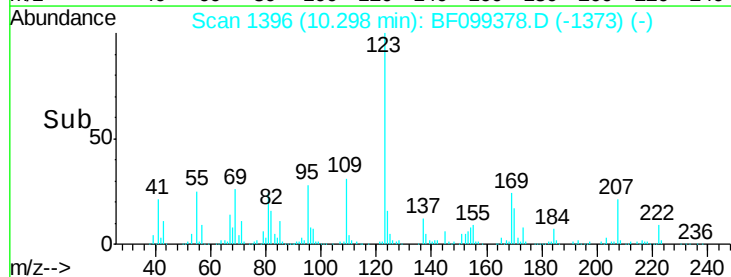
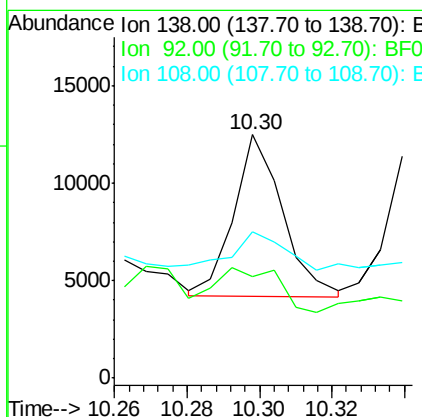
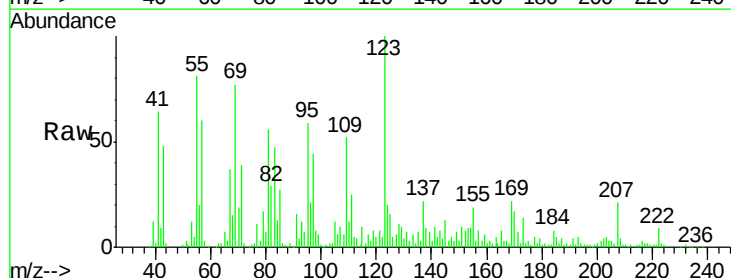
Instrument :
BNA_F
ClientSampleId :

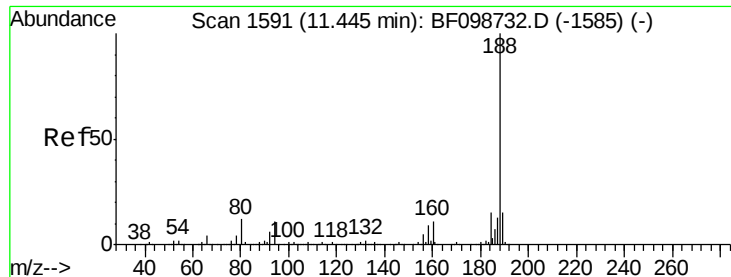
Tot Ion:139 Resp: 6164
Ion Ratio Lower Upper
139 100
109 458.7 48.4 88.4#
65 76.7 72.6 112.6



#61
4-Nitroaniline
Concen: 2.24 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.16 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Tgt Ion:138 Resp: 7730
Ion Ratio Lower Upper
138 100
92 41.5 30.2 70.2
108 60.3 52.5 92.5

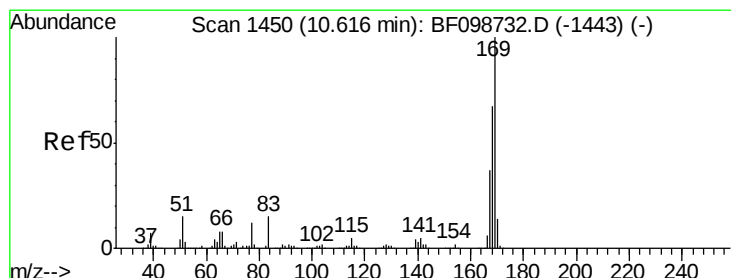
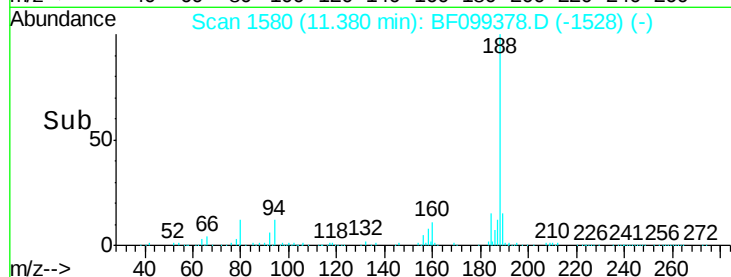
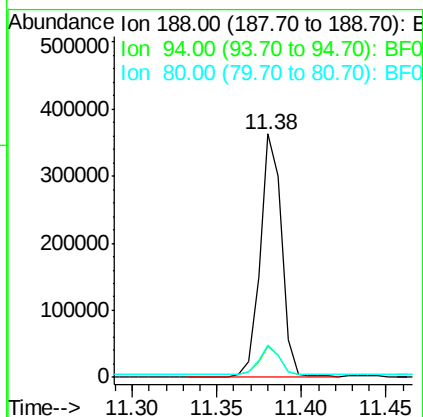
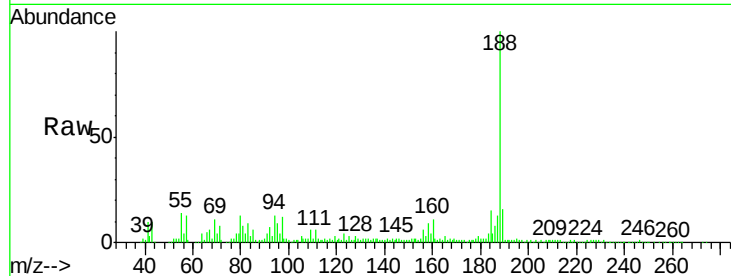




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

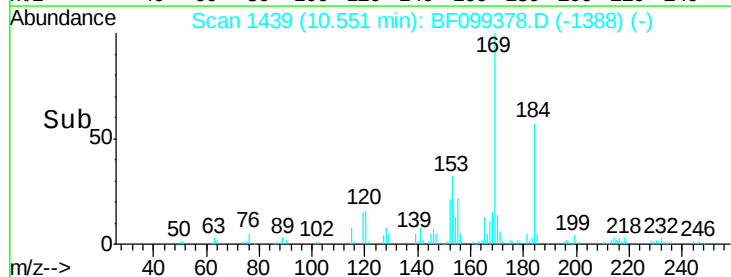
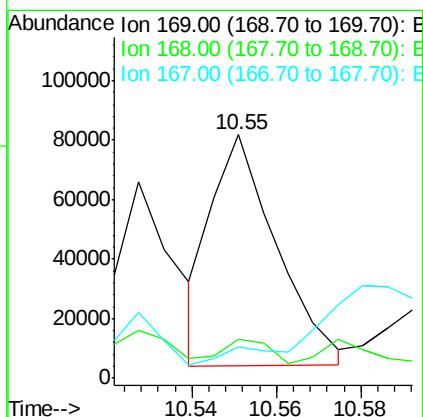
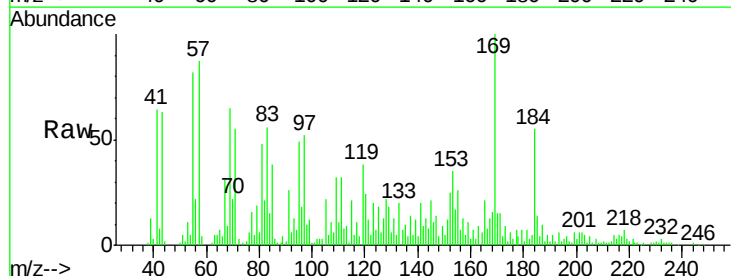
Instrument :
BNA_F
ClientSampleId :

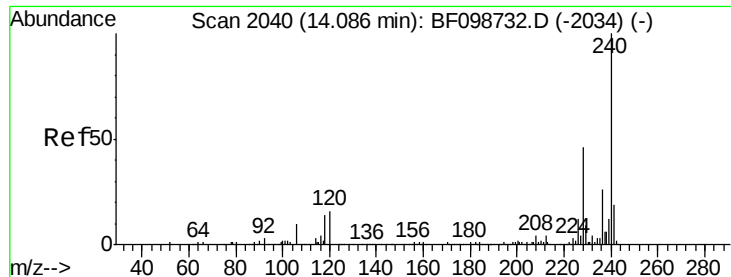
Tot Ion:188 Resp: 317887
Ion Ratio Lower Upper
188 100
94 12.8 8.5 12.7#
80 13.2 9.2 13.8



#65
n-Nitrosodiphenylamine
Concen: 7.57 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Tgt Ion:169 Resp: 83405
Ion Ratio Lower Upper
169 100
168 16.0 54.4 81.6#
167 12.6 29.8 44.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

Instrument :

BNA_F

ClientSampled :

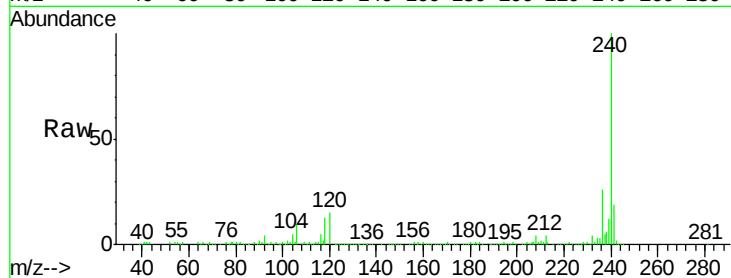
Tot Ion:240 Resp: 199397

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

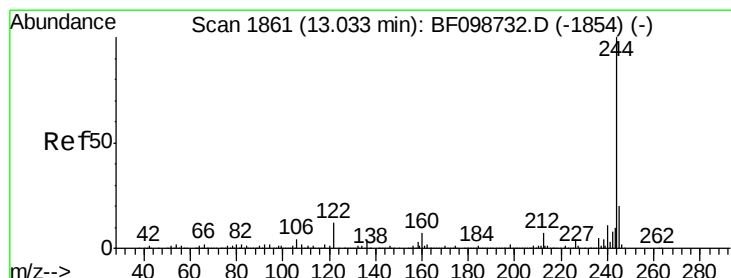
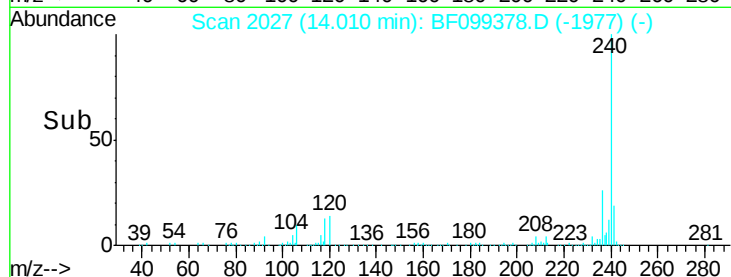
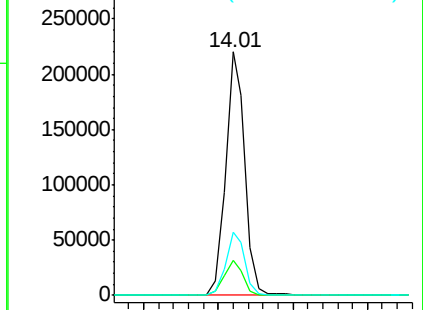
236 25.8 20.7 31.1



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: 86.66 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF099378.D

Acq: 12 Oct 2017 7:43

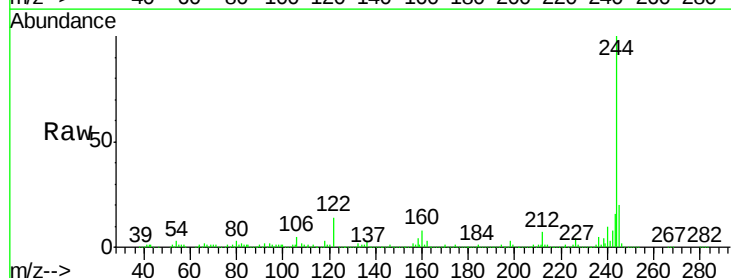
Tgt Ion:244 Resp: 759836

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

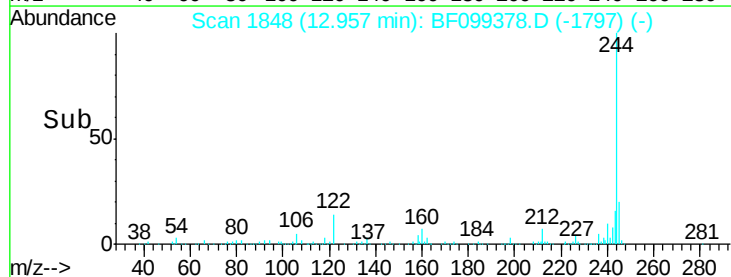
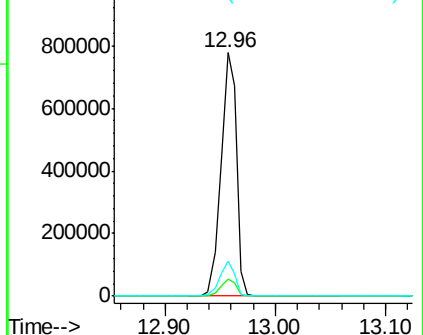
122 14.2 11.0 16.4

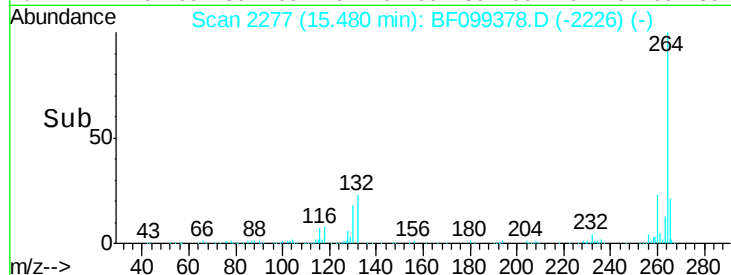
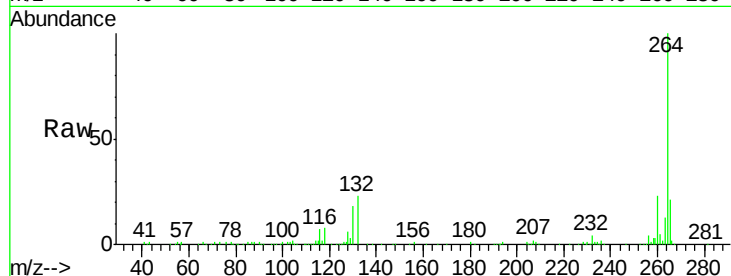
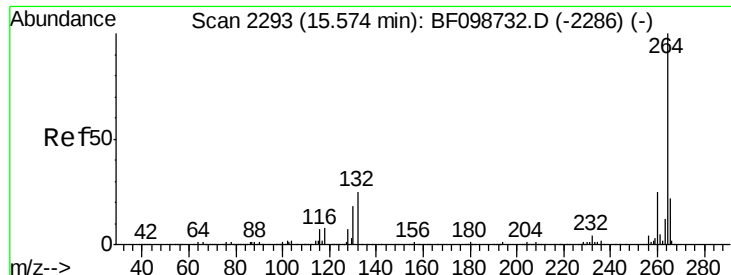


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF099378.D
Acq: 12 Oct 2017 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	197635
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	20.9	17.5	26.3

