

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103979.D
 Acq On : 27 Mar 2018 19:29
 Operator : JU/SJ
 Sample : J2065-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:55:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131700	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	521269	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	198416	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	180819	20.00	ng	0.02
75) Chrysene-d12	14.16	240	240401	20.00	ng	0.00
86) Perylene-d12	15.70	264	221220	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	921908	106.47	ng	0.02
7) Phenol-d6	6.60	99	1115989	105.35	ng	0.00
23) Nitrobenzene-d5	7.53	82	645368	86.34	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	158469	92.89	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1023172	82.26	ng	0.00
78) Terphenyl-d14	13.10	244	656134	63.35	ng	0.00

Target Compounds

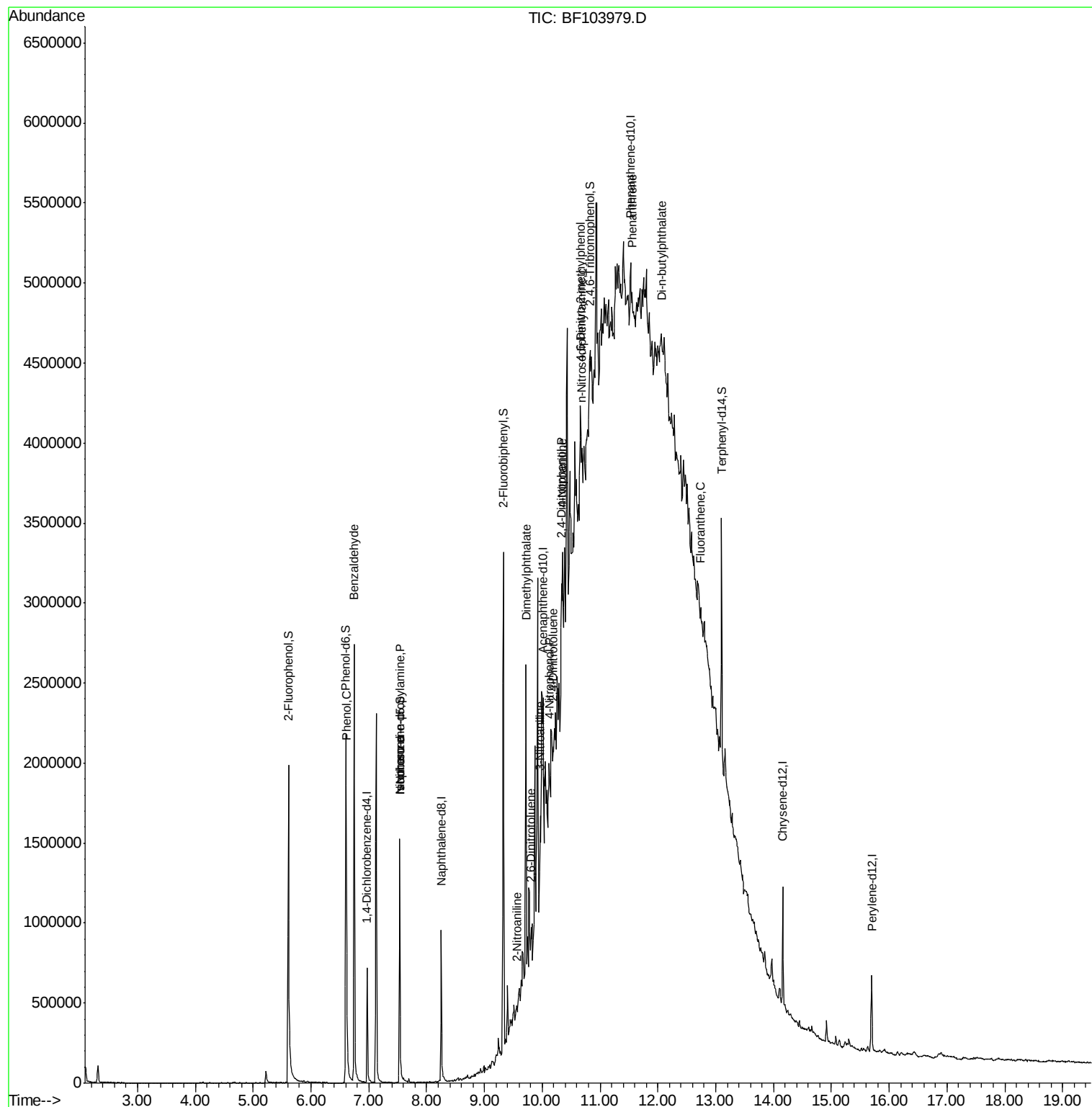
						Qvalue
9) Benzaldehyde	6.75	77	19134	2.749	ng	86
10) Phenol	6.62	94	51662	4.589	ng	# 76
19) n-Nitroso-di-n-propylamine	7.53	70	81207	11.962	ng	# 73
25) Isophorone	7.53	82	645364	37.296	ng	# 64
47) 2-Nitroaniline	9.56	65	1421	7.169	ng	# 55
49) Dimethylphthalate	9.72	163	148399	9.803	ng	# 92
50) 2,6-Dinitrotoluene	9.80	165	8949	6.786	ng	# 33
52) 3-Nitroaniline	9.96	138	19744	8.993	ng	# 15
53) 2,4-Dinitrophenol	10.33	184	6091	19.256	ng	# 80
55) 4-Nitrophenol	10.13	139	6974	7.330	ng	# 1
56) 2,4-Dinitrotoluene	10.19	165	2124	6.712	ng	# 47
61) 4-Nitroaniline	10.35	138	11883	6.993	ng	# 88
64) 4,6-Dinitro-2-methylphenol	10.66	198	3055	13.014	ng	# 1
65) n-Nitrosodiphenylamine	10.68	169	60414	9.816	ng	# 40
70) Phenanthrene	11.56	178	69240	7.000	ng	# 67
73) Di-n-butylphthalate	12.07	149	46566	3.975	ng	# 62
74) Fluoranthene	12.75	202	23091	2.266	ng	# 66

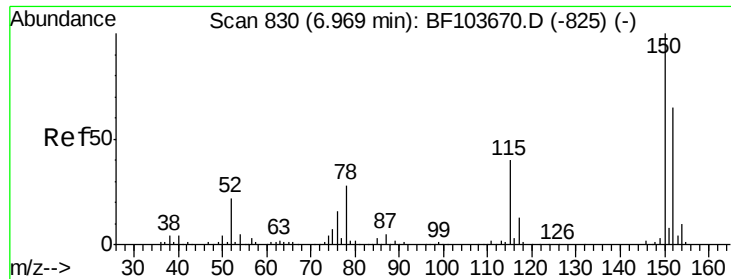
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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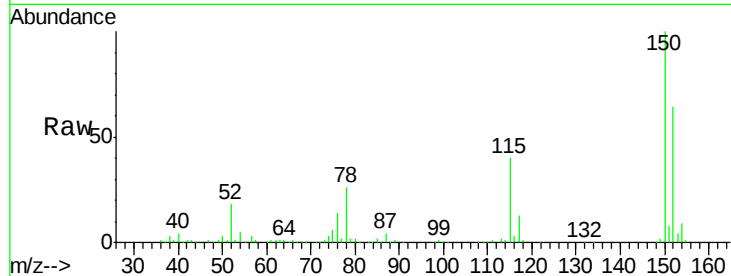


#1

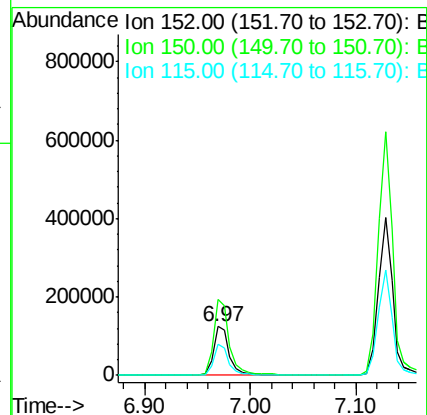
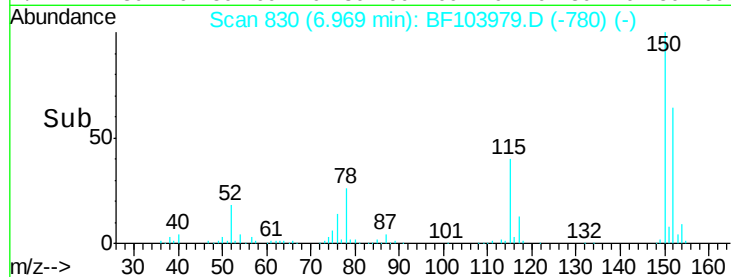
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131700
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 62.9 50.1 75.1



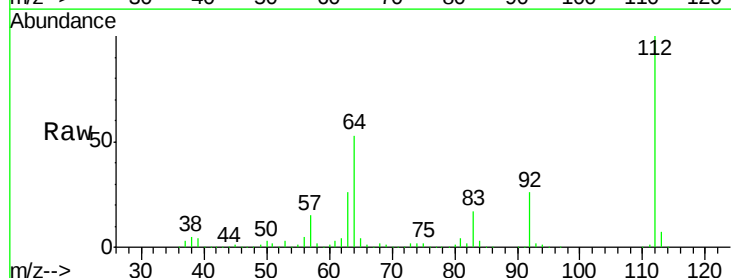
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



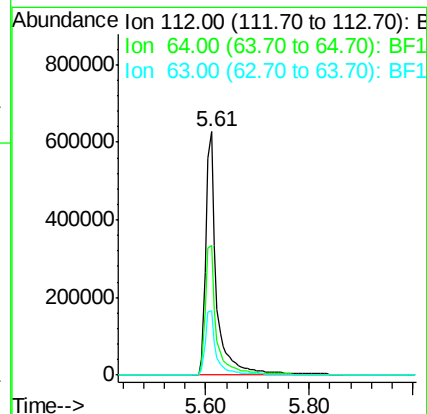
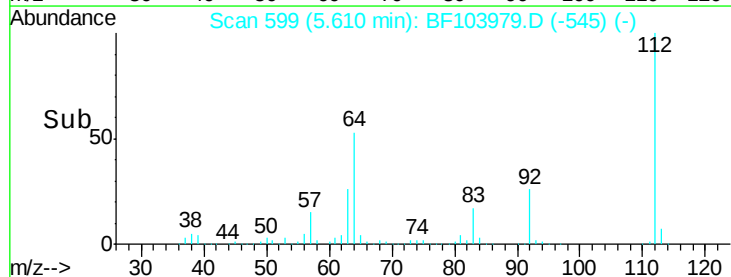
#5

2-Fluorophenol
Concen: 106.471 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

Tgt Ion:112 Resp: 921908
Ion Ratio Lower Upper
112 100
64 53.4 47.9 71.9
63 26.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 105.347 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA_F

ClientSampled :

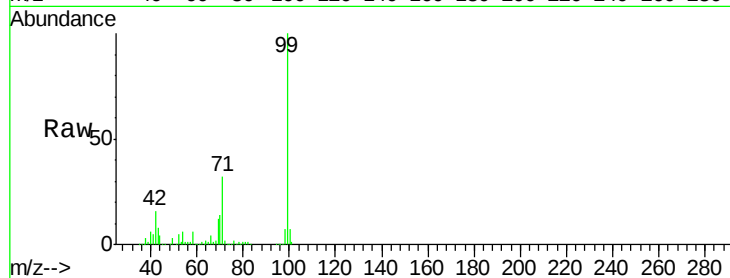
Tot Ion: 99 Resp: 1115989

Ion Ratio Lower Upper

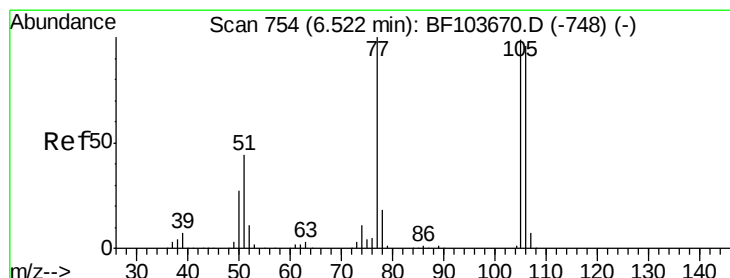
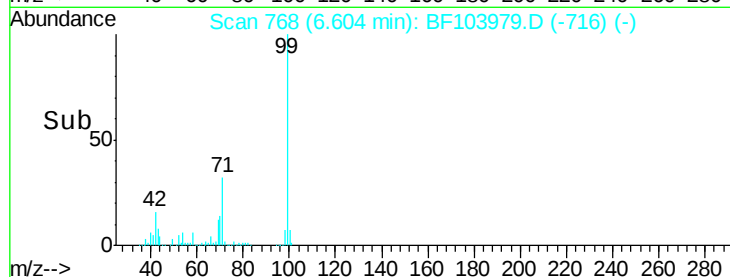
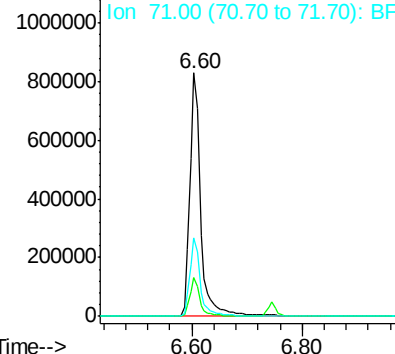
99 100

42 15.7 14.5 21.7

71 32.1 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



#9

Benzaldehyde

Concen: 2.749 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

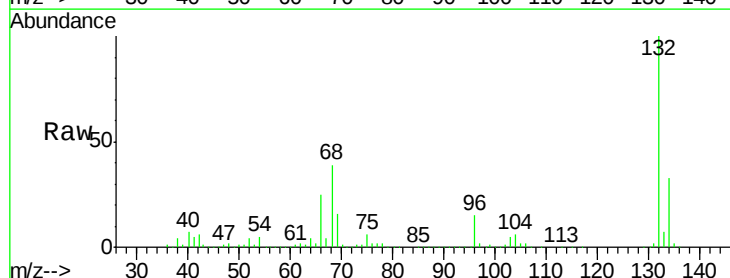
Tgt Ion: 77 Resp: 19134

Ion Ratio Lower Upper

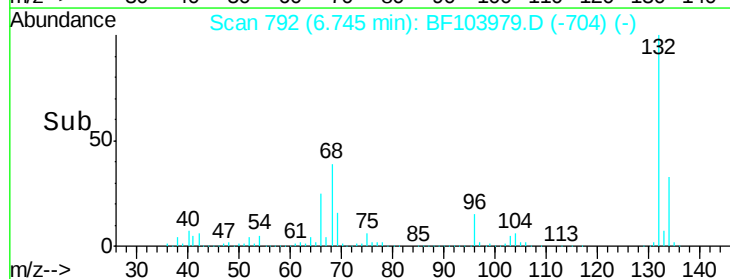
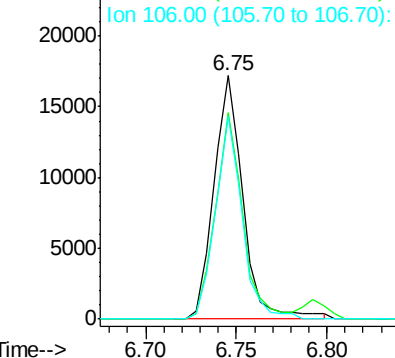
77 100

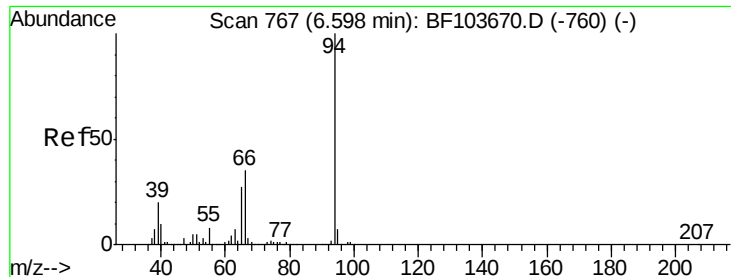
105 84.8 81.1 121.1

106 83.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.589 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA_F

ClientSampleId :

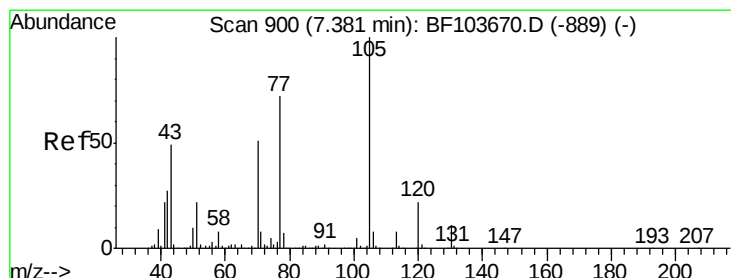
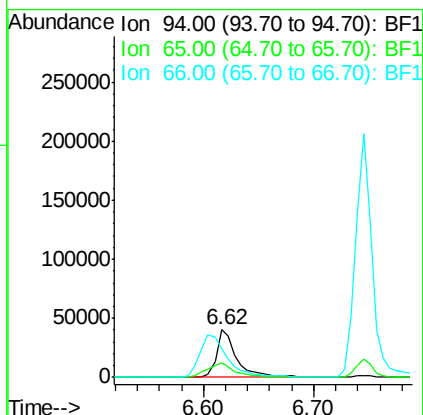
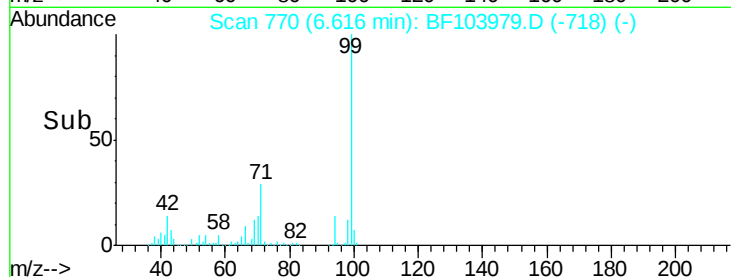
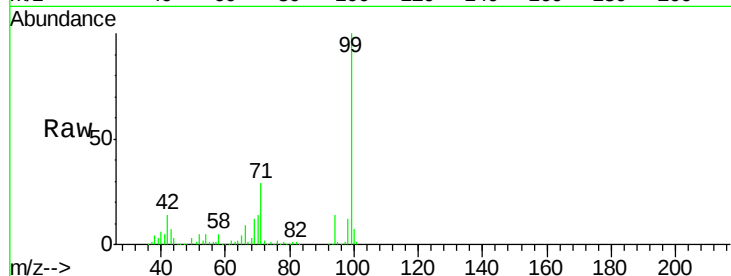
Tot Ion: 94 Resp: 51662

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 59.4 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.962 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Tgt Ion: 70 Resp: 81207

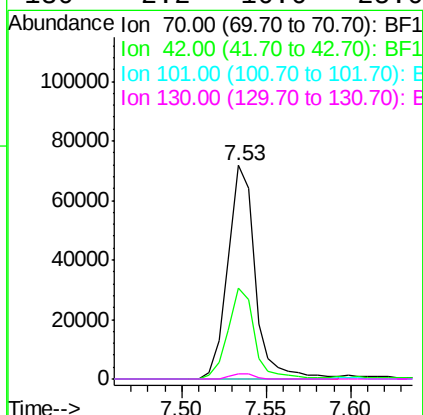
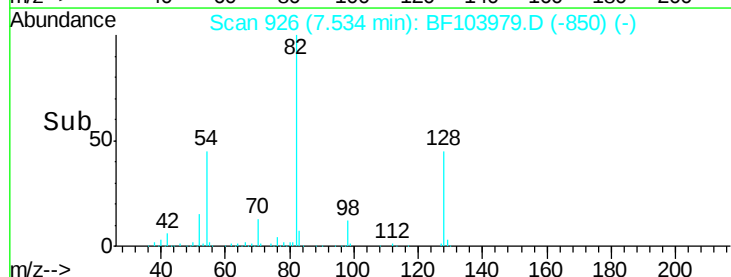
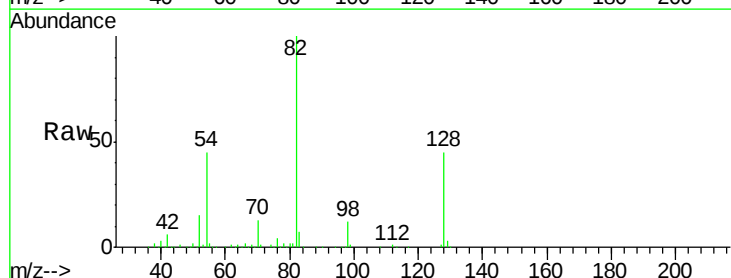
Ion Ratio Lower Upper

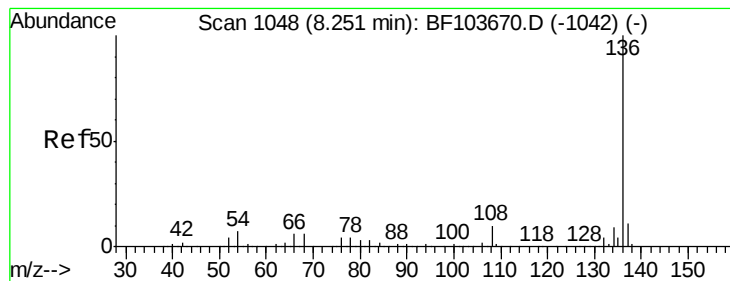
70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 521269

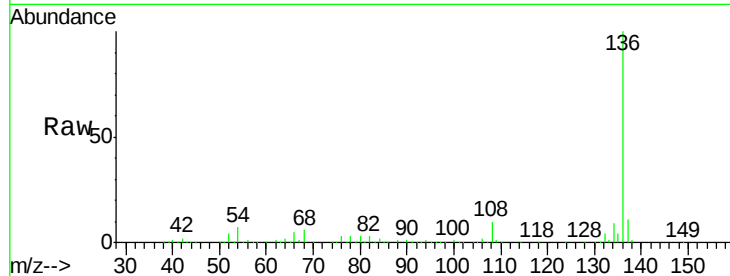
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.1 6.6 9.8

68 6.2 5.0 7.4

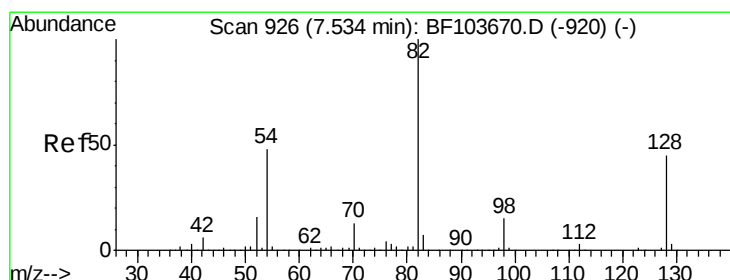
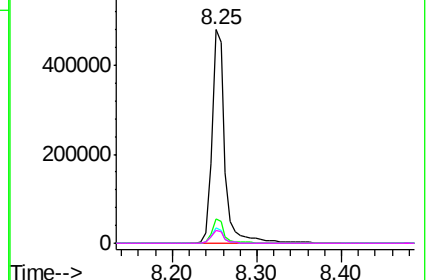
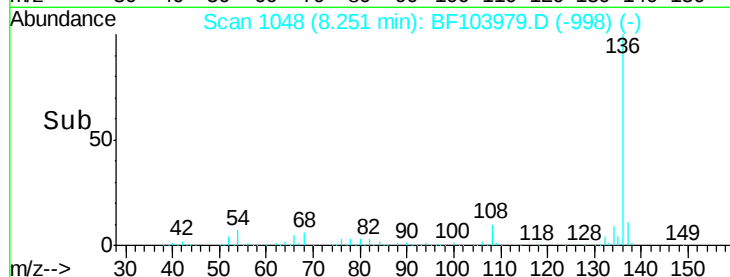


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 86.338 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

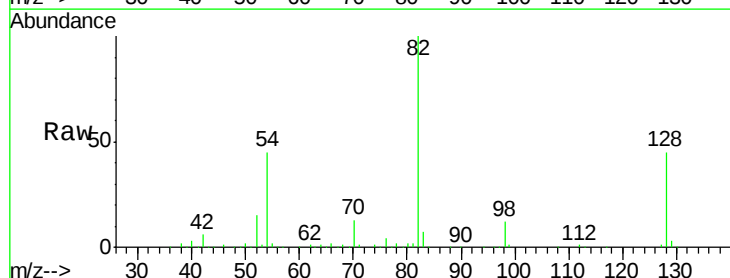
Tgt Ion: 82 Resp: 645368

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

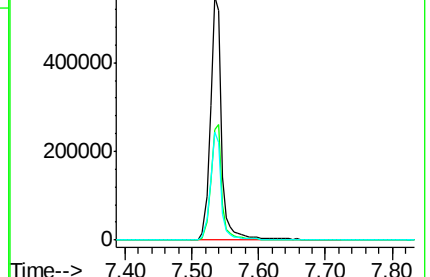
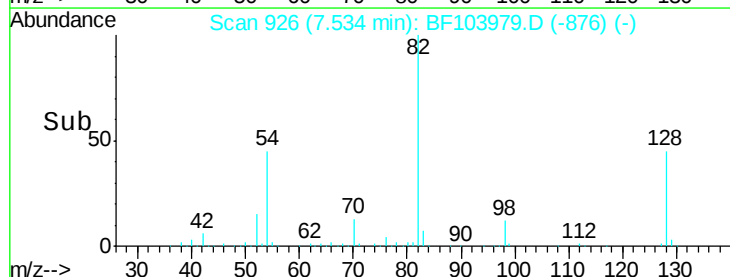
54 44.5 41.4 62.2

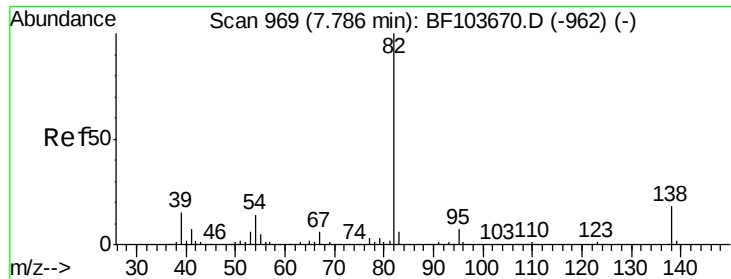


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.296 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA_F

ClientSampleId :

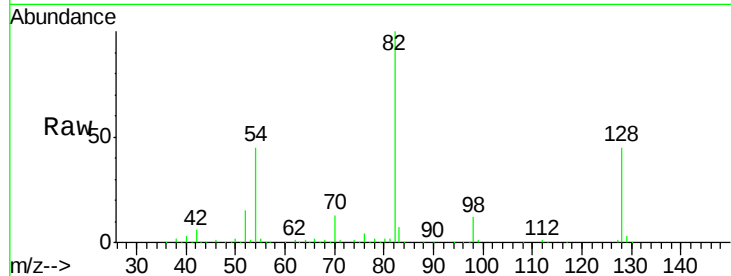
Tot Ion: 82 Resp: 645364

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

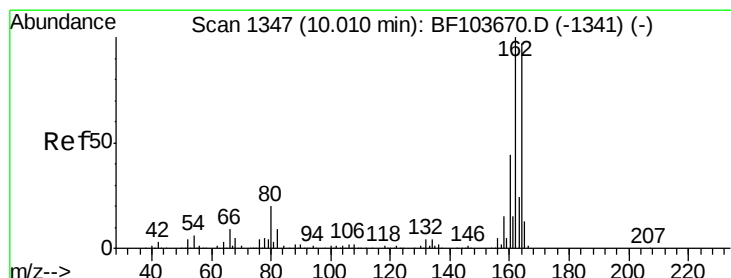
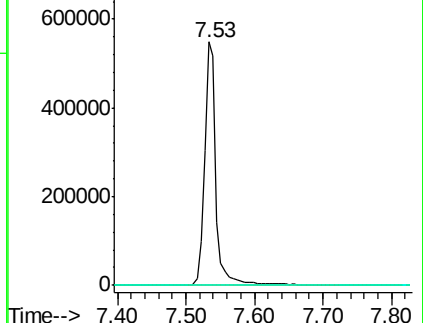
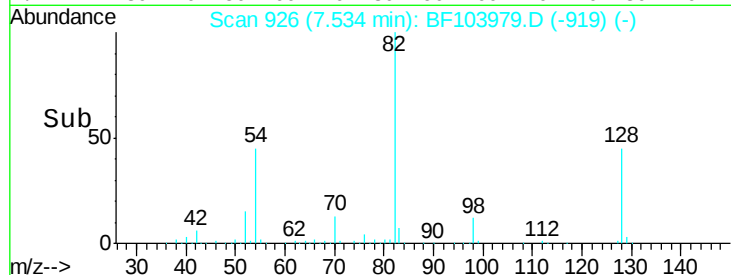
138 0.0 14.9 22.3#



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: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

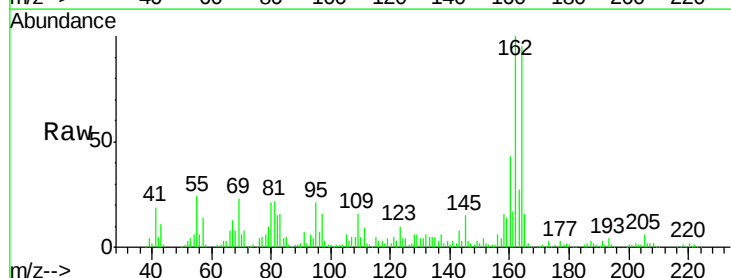
Tgt Ion:164 Resp: 198416

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

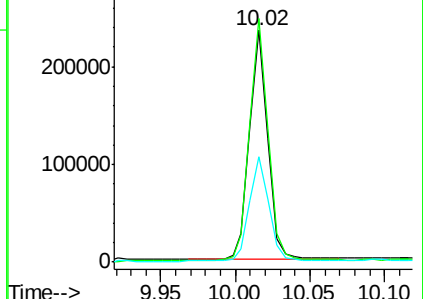
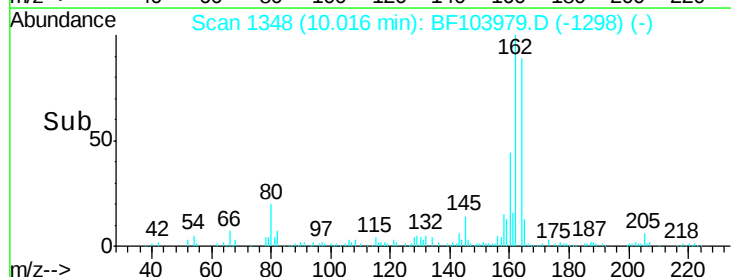
160 45.6 38.3 57.5

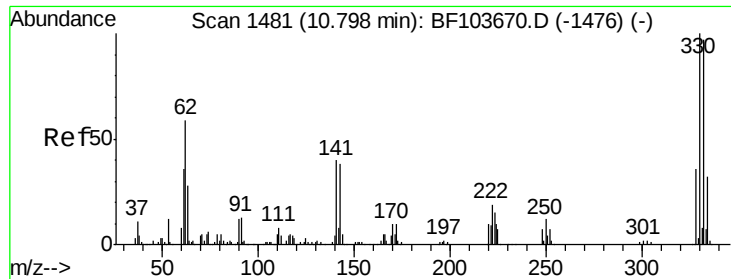


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

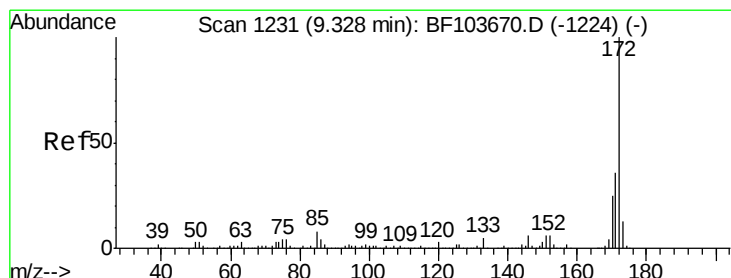
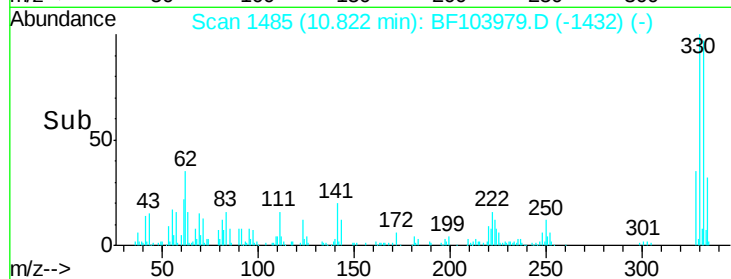
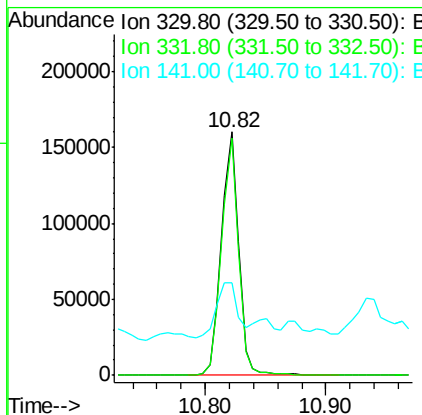
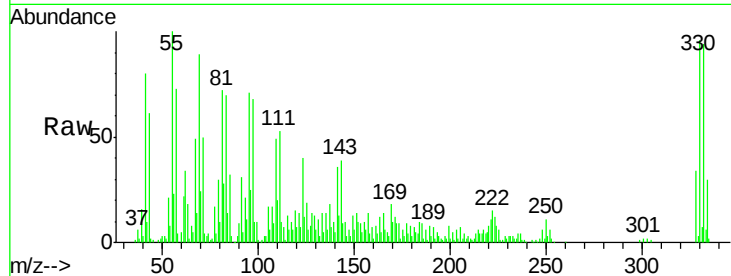




#41
 2,4,6-Tribromophenol
 Concen: 92.890 ng
 RT: 10.82 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: BF103979.D
 Acq: 27 Mar 2018 19:29

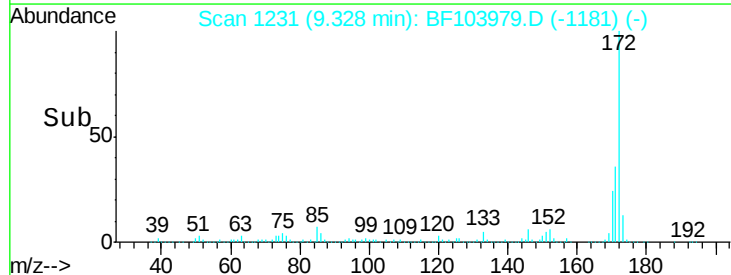
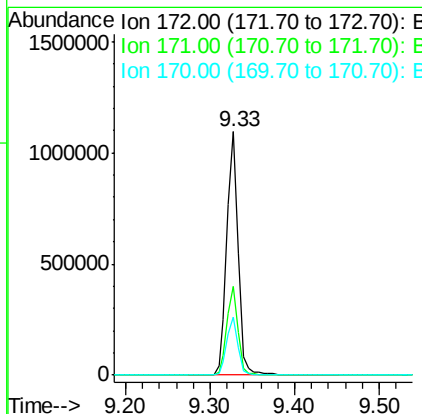
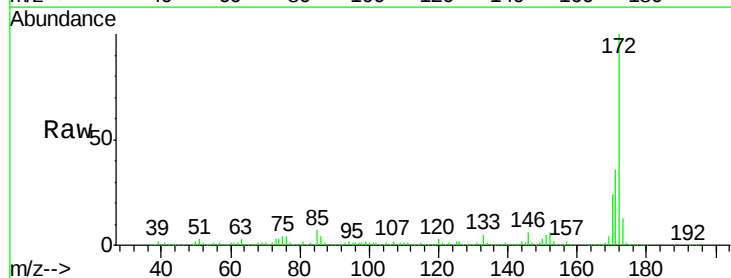
Instrument :
 BNA_F
 ClientSampleId :

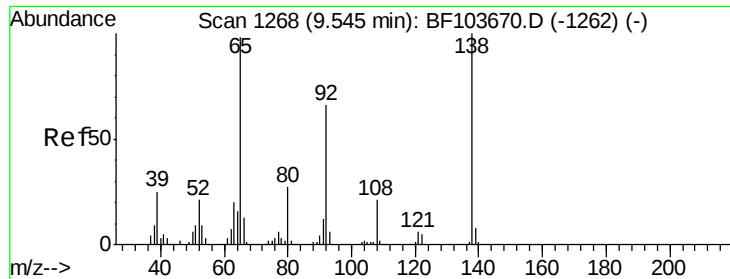
Tot Ion:330 Resp: 158469
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 26.5 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 82.257 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103979.D
 Acq: 27 Mar 2018 19:29

Tgt Ion:172 Resp: 1023172
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.9 19.6 29.4

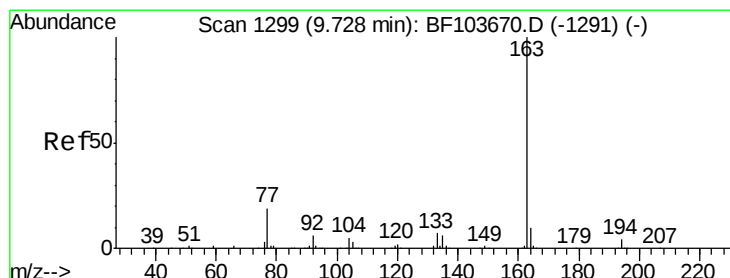
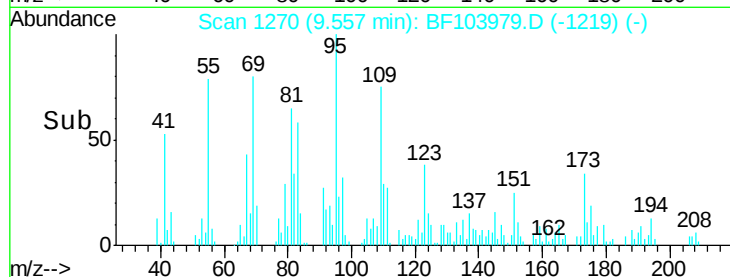
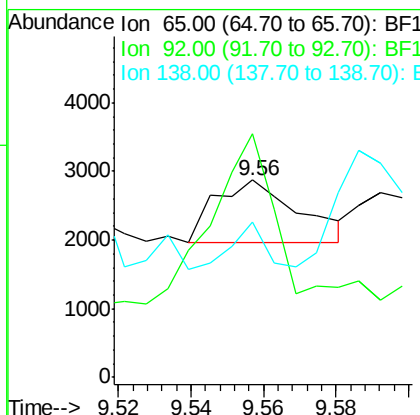
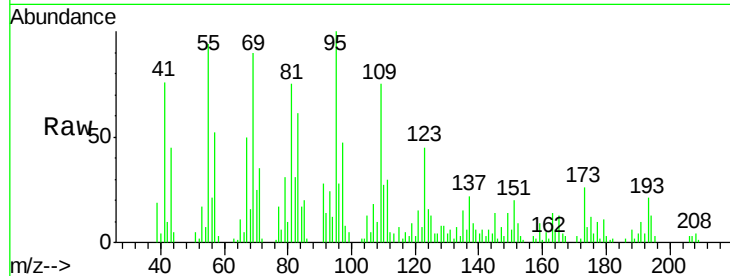




#47
2-Nitroaniline
Concen: 7.169 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

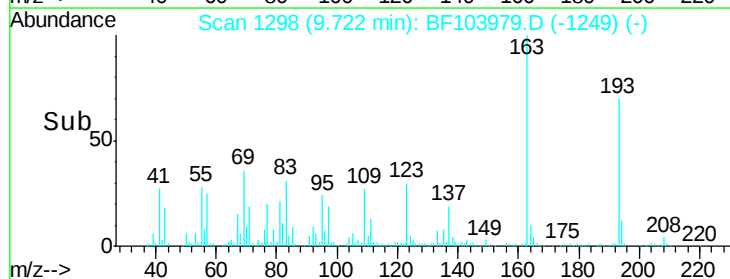
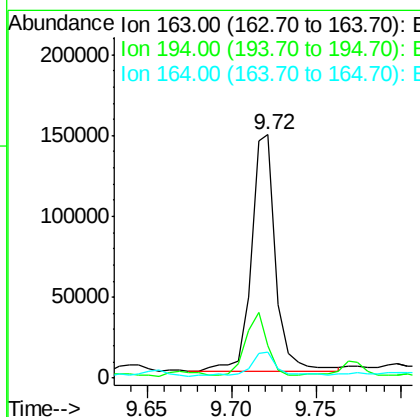
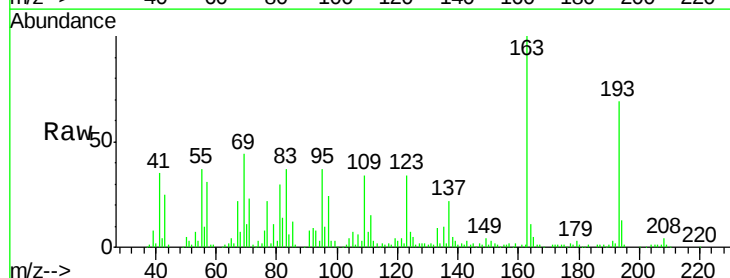
Instrument :
BNA_F
ClientSampleId :

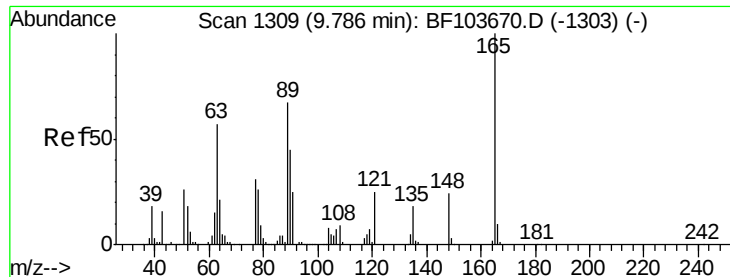
Tot Ion: 65 Resp: 1421
Ion Ratio Lower Upper
65 100
92 123.6 55.8 83.6#
138 78.6 91.2 136.8#



#49
Dimethylphthalate
Concen: 9.803 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

Tgt Ion: 163 Resp: 148399
Ion Ratio Lower Upper
163 100
194 13.1 2.7 4.1#
164 10.7 8.2 12.2

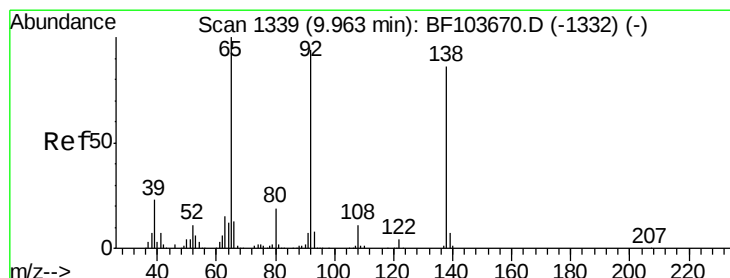
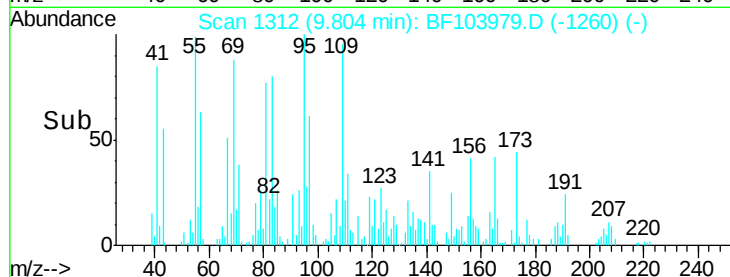
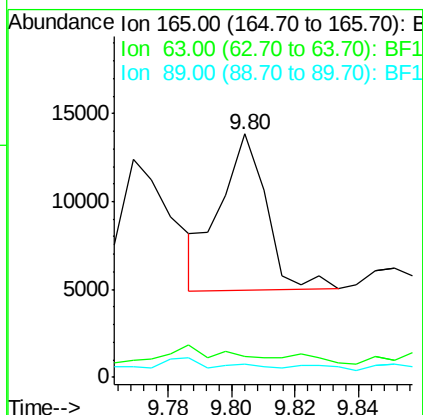
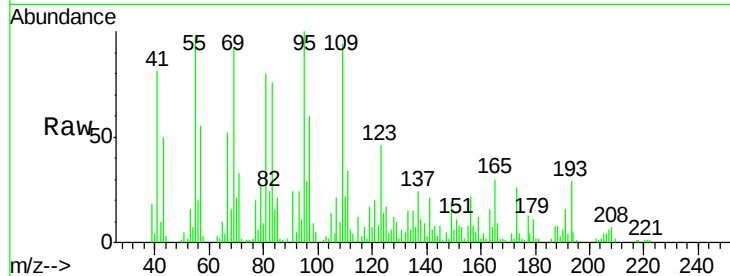




#50
 2,6-Dinitrotoluene
 Concen: 6.786 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.01 min
 Lab File: BF103979.D
 Acq: 27 Mar 2018 19:29

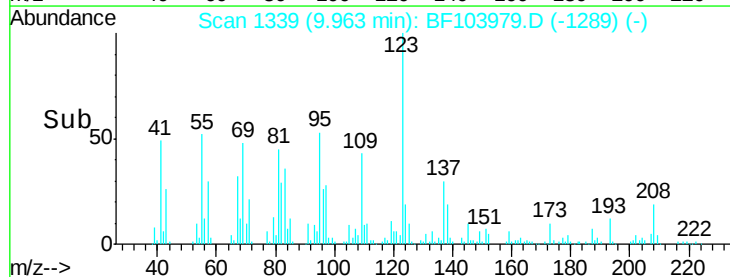
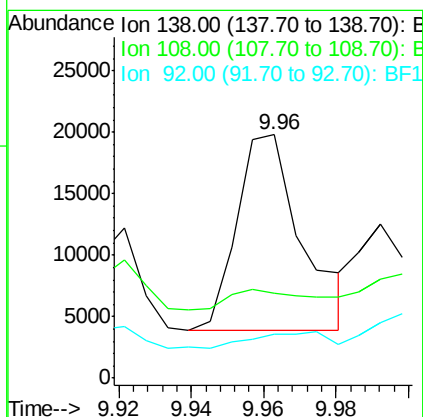
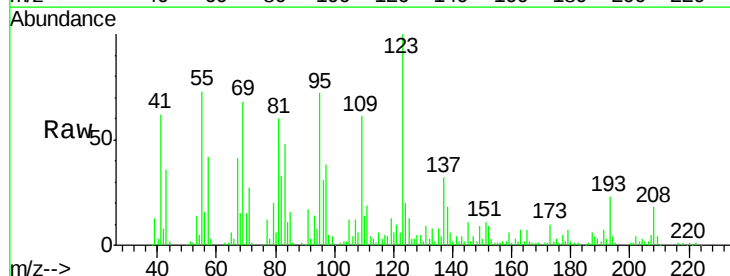
Instrument :
 BNA_F
 ClientSampleId :

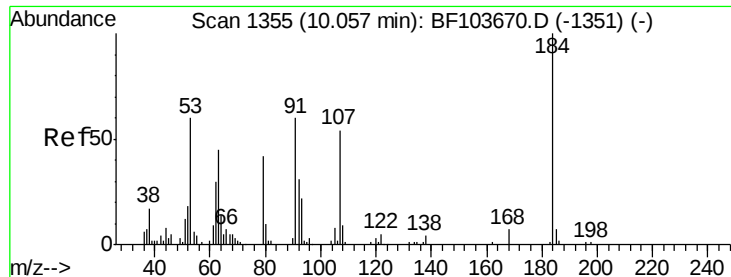
Tot Ion:165 Resp: 8949
 Ion Ratio Lower Upper
 165 100
 63 8.6 44.7 67.1#
 89 5.3 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 8.993 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF103979.D
 Acq: 27 Mar 2018 19:29

Tgt Ion:138 Resp: 19744
 Ion Ratio Lower Upper
 138 100
 108 34.7 9.4 14.0#
 92 18.2 89.4 134.2#

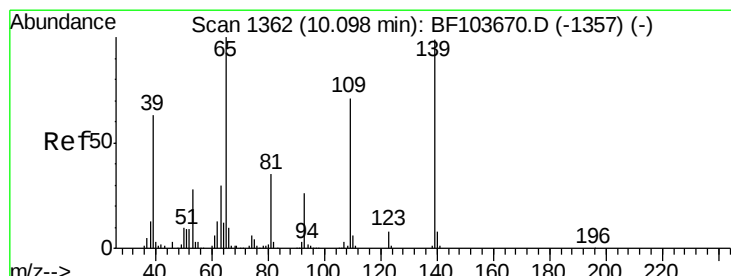
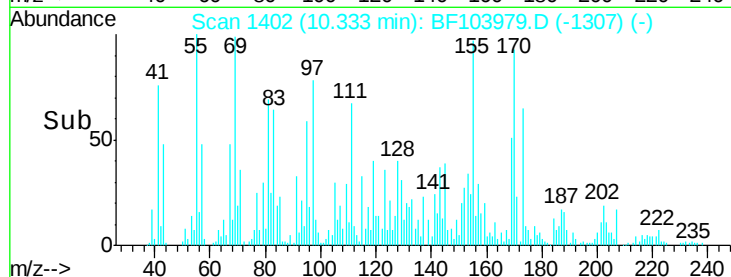
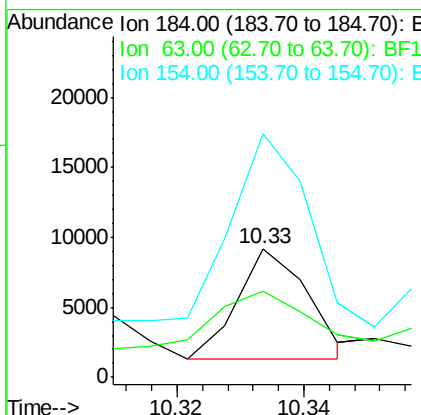
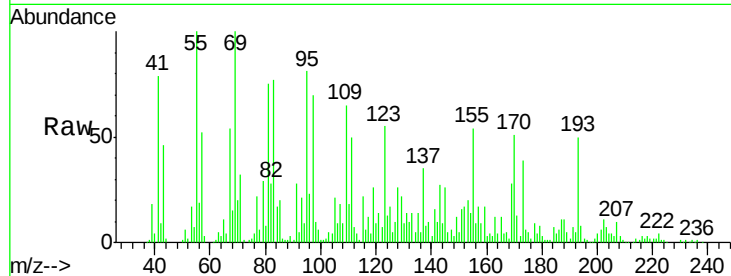




#53
 2,4-Dinitrophenol
 Concen: 19.256 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. 0.26 min
 Lab File: BF103979.D
 Acq: 27 Mar 2018 19:29

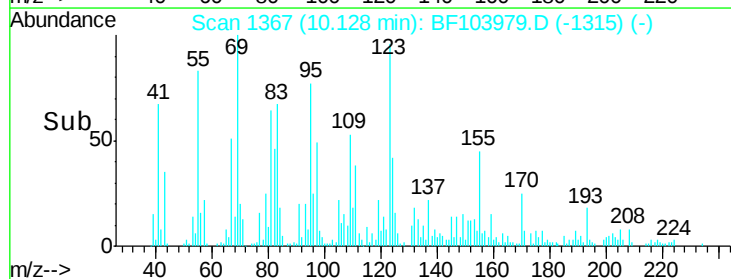
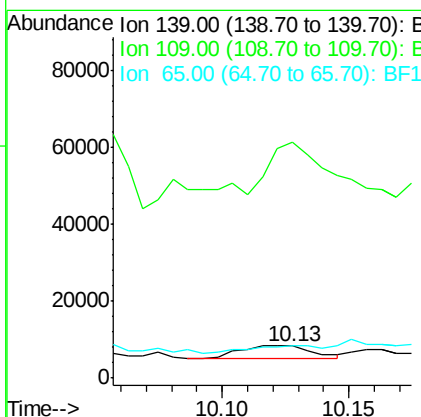
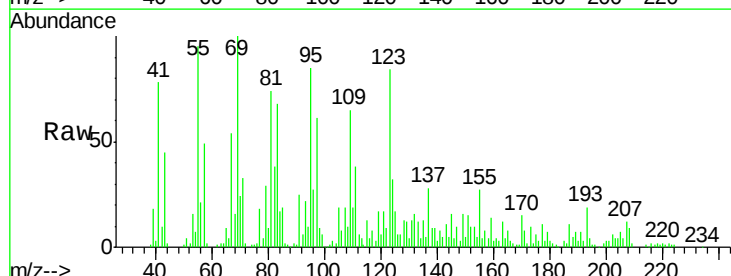
Instrument :
 BNA_F
 ClientSampled :

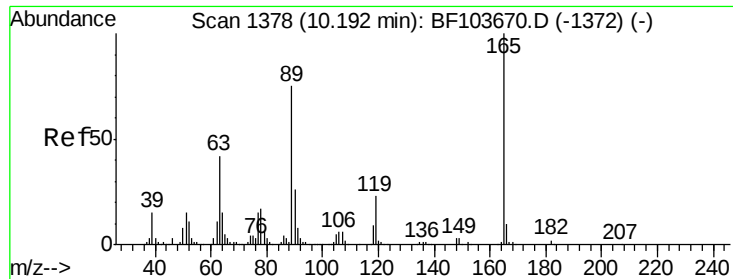
Tot Ion:184 Resp: 6091
 Ion Ratio Lower Upper
 184 100
 63 66.5 54.2 81.2
 154 189.0 184.0 276.0



#55
 4-Nitrophenol
 Concen: 7.330 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: BF103979.D
 Acq: 27 Mar 2018 19:29

Tgt Ion:139 Resp: 6974
 Ion Ratio Lower Upper
 139 100
 109 729.9 48.4 88.4#
 65 102.2 72.6 112.6

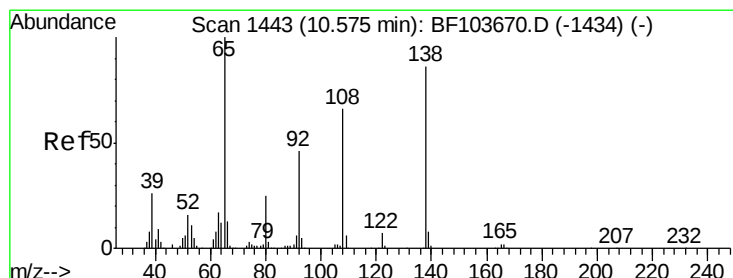
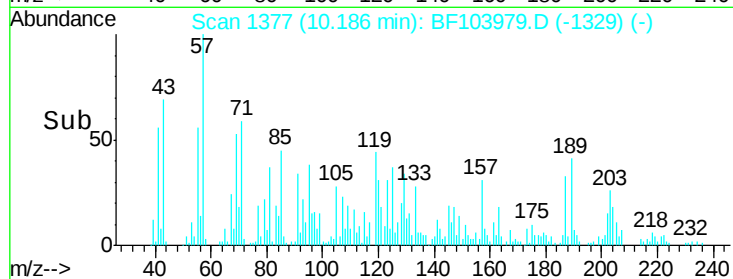
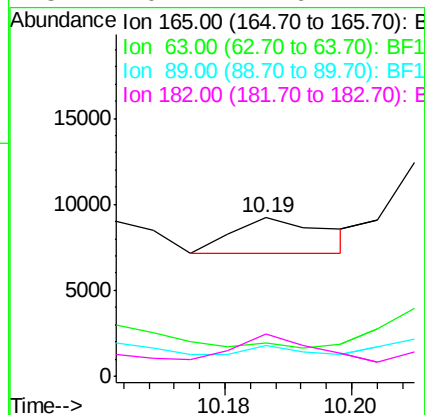
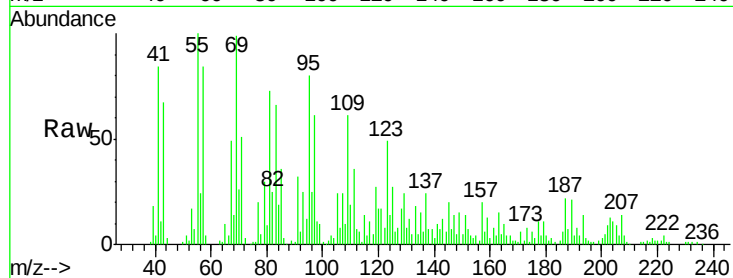




#56
2,4-Dinitrotoluene
Concen: 6.712 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

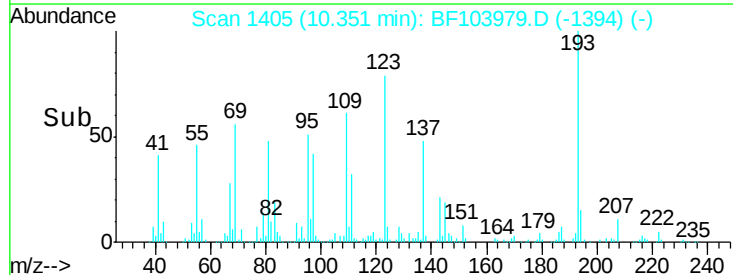
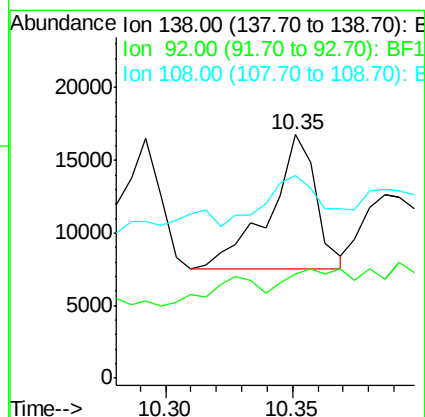
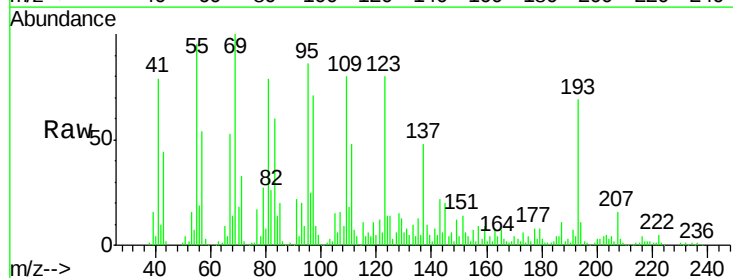
Instrument :
BNA_F
ClientSampleId :

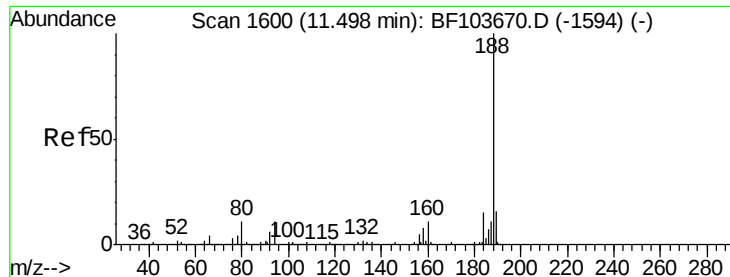
Tot Ion:165 Resp: 2124
Ion Ratio Lower Upper
165 100
63 21.0 36.4 54.6#
89 19.5 57.8 86.6#
182 26.7 1.6 2.4#



#61
4-Nitroaniline
Concen: 6.993 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.24 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

Tgt Ion:138 Resp: 11883
Ion Ratio Lower Upper
138 100
92 42.6 30.2 70.2
108 83.4 52.5 92.5

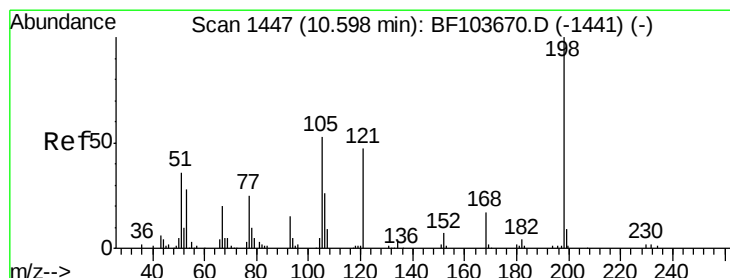
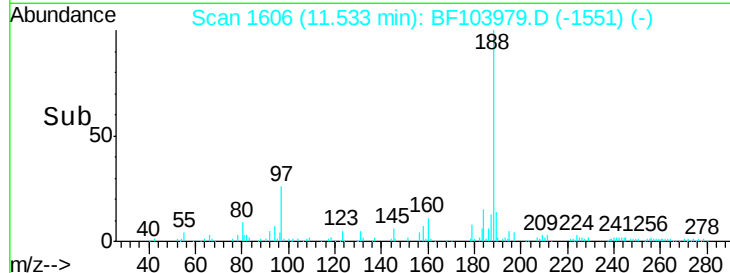
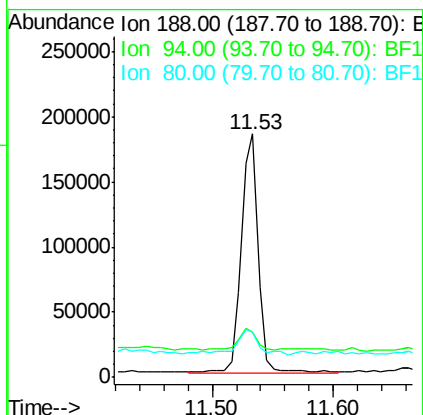
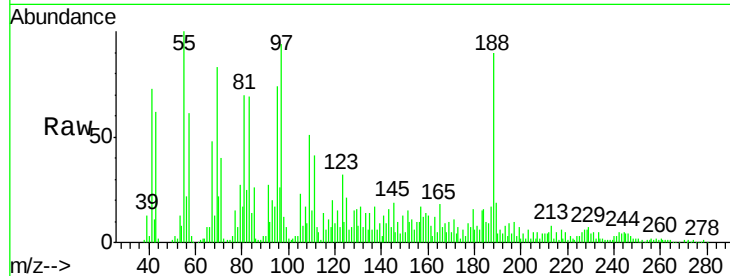




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.02 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

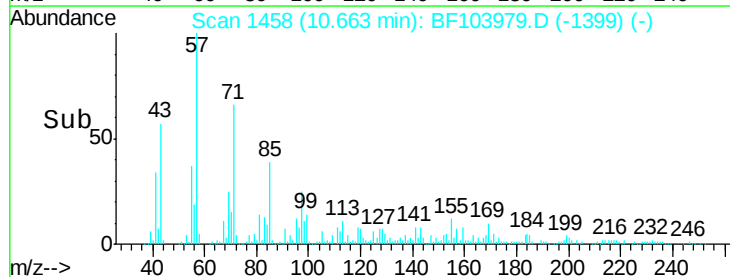
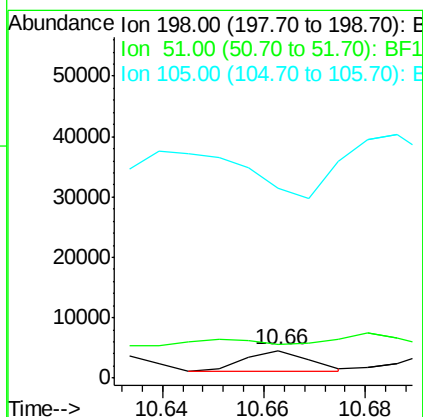
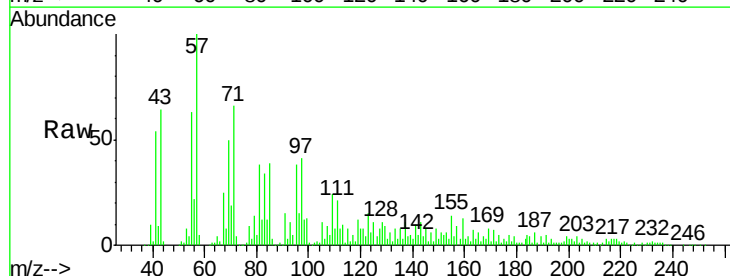
Instrument :
BNA_F
ClientSampled :

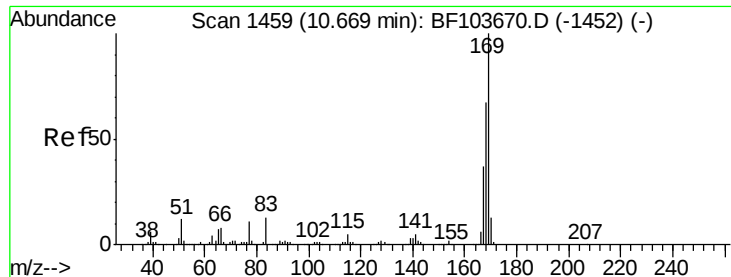
Tot Ion:188 Resp: 180819
Ion Ratio Lower Upper
188 100
94 18.4 8.5 12.7#
80 18.4 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 13.014 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.05 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

Tgt Ion:198 Resp: 3055
Ion Ratio Lower Upper
198 100
51 122.2 37.7 77.7#
105 690.1 36.3 76.3#

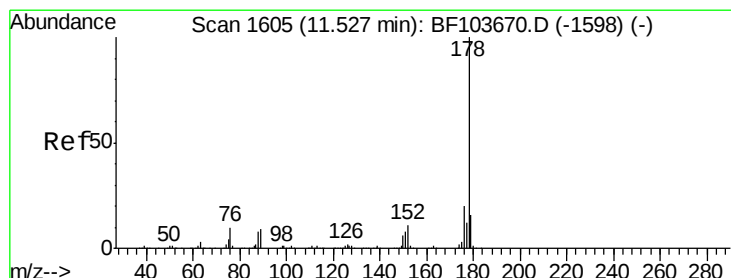
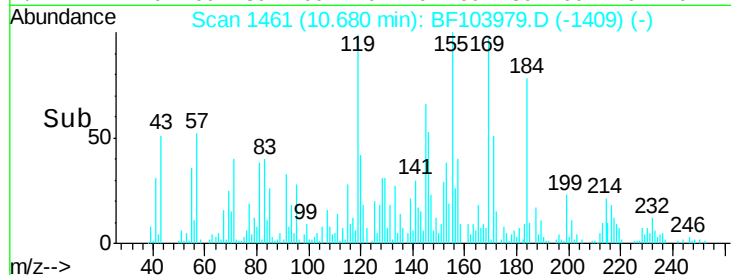
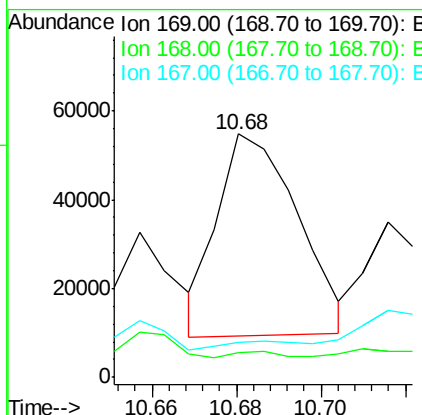
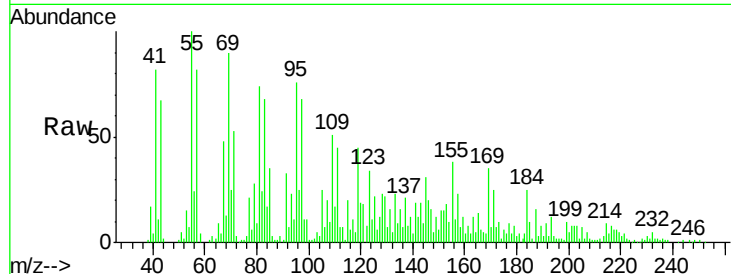




#65
n-Nitrosodiphenylamine
Concen: 9.816 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

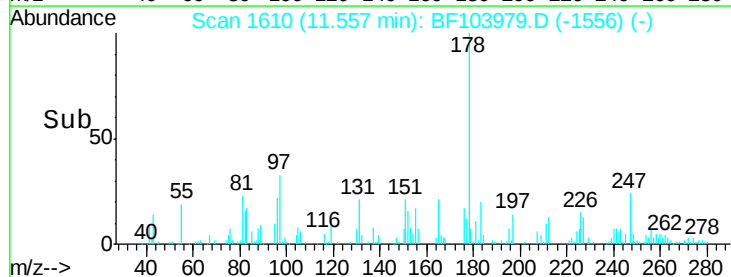
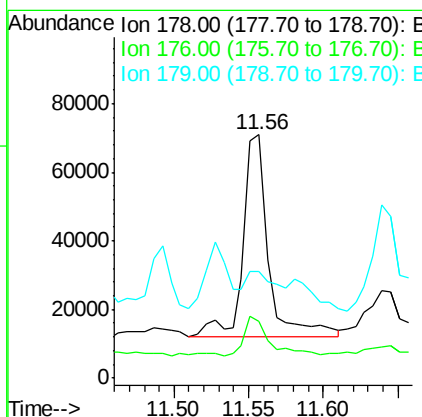
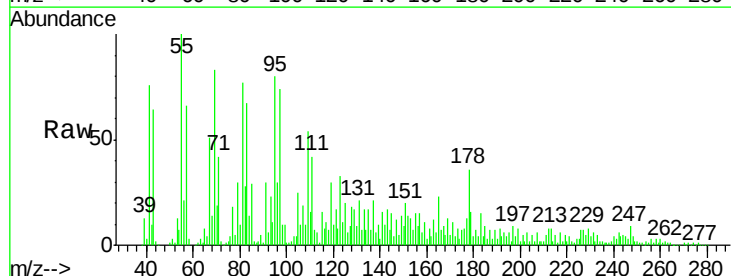
Instrument :
BNA_F
ClientSampleId :

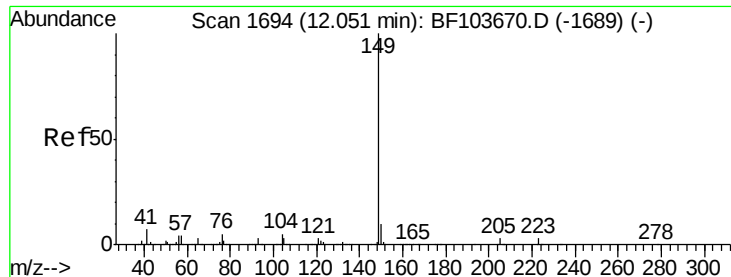
Tot Ion:169 Resp: 60414
Ion Ratio Lower Upper
169 100
168 10.3 54.4 81.6#
167 14.2 29.8 44.6#



#70
Phenanthrene
Concen: 7.000 ng
RT: 11.56 min Scan# 1610
Delta R.T. 0.02 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

Tgt Ion:178 Resp: 69240
Ion Ratio Lower Upper
178 100
176 23.3 15.8 23.8
179 43.7 13.0 19.6#

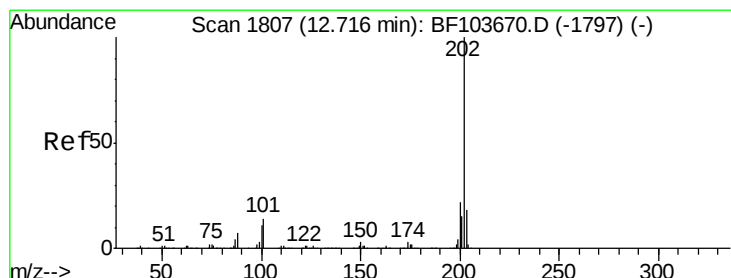
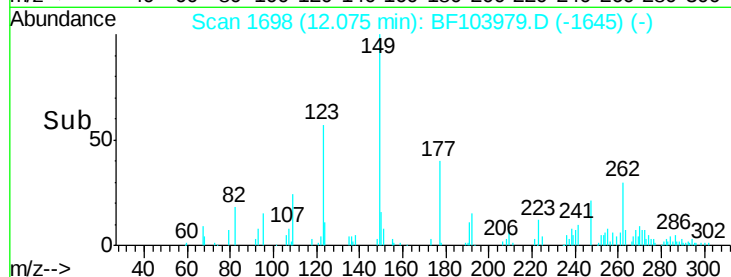
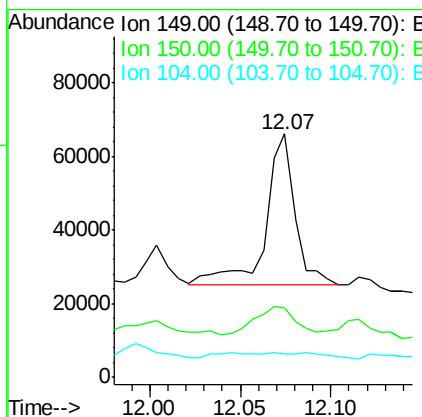
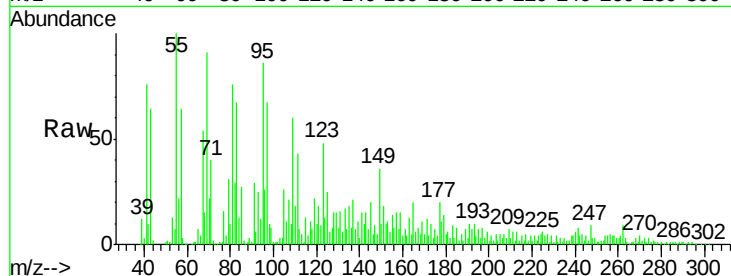




#73
Di-n-butylphthalate
Concen: 3.975 ng
RT: 12.07 min Scan# 1698
Delta R.T. 0.01 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

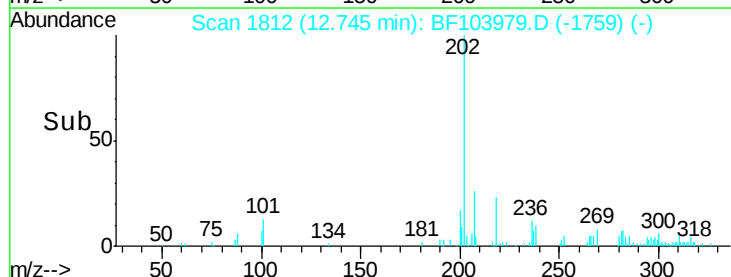
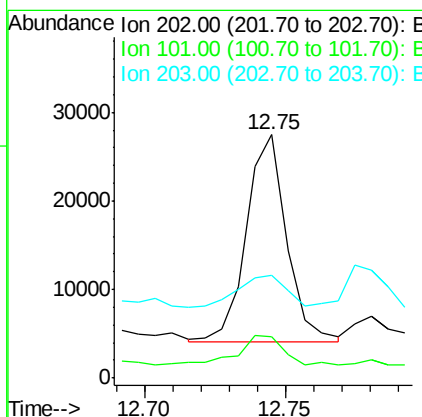
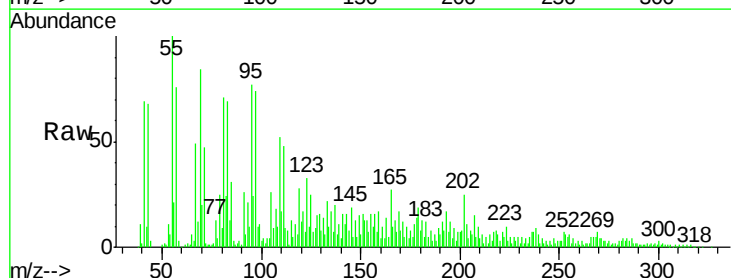
Instrument :
BNA_F
ClientSampleId :

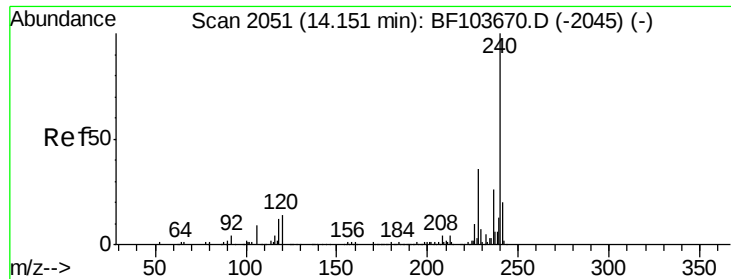
Tot Ion:149 Resp: 46566
Ion Ratio Lower Upper
149 100
150 28.3 7.8 11.6#
104 9.4 3.8 5.8#



#74
Fluoranthene
Concen: 2.266 ng
RT: 12.75 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BF103979.D
Acq: 27 Mar 2018 19:29

Tgt Ion:202 Resp: 23091
Ion Ratio Lower Upper
202 100
101 17.1 0.0 34.1
203 42.1 0.0 38.1#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA_F

ClientSampleId :

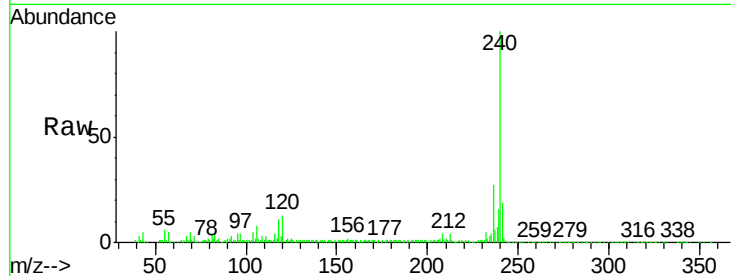
Tot Ion:240 Resp: 240401

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

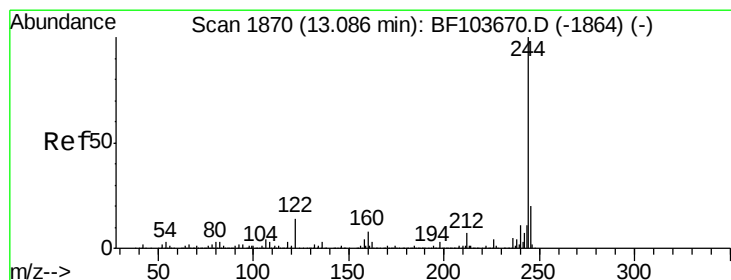
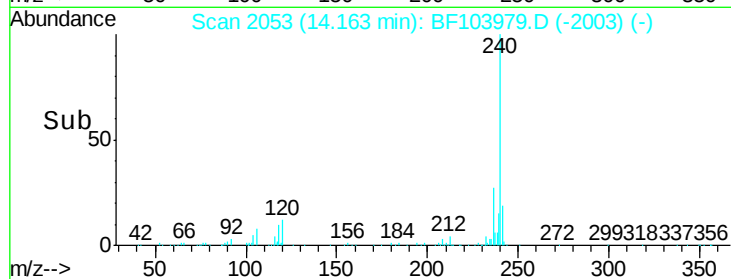
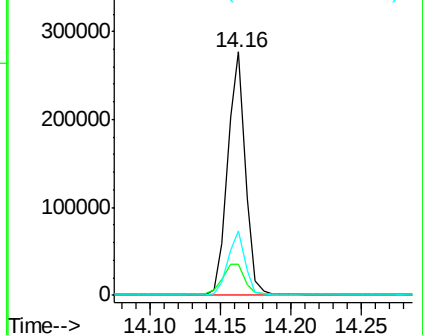
236 26.7 20.7 31.1



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: 63.352 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

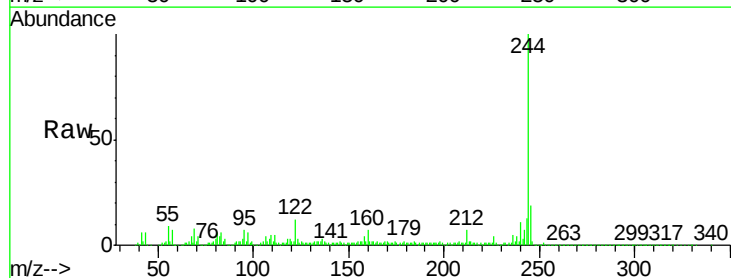
Tgt Ion:244 Resp: 656134

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

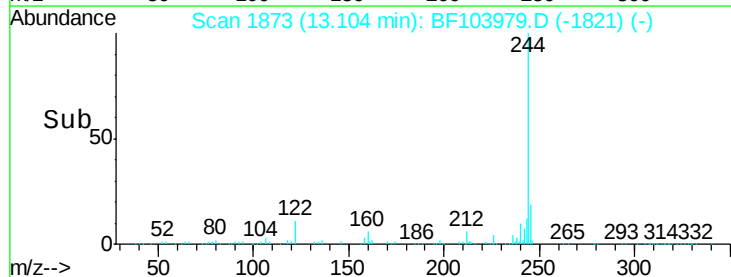
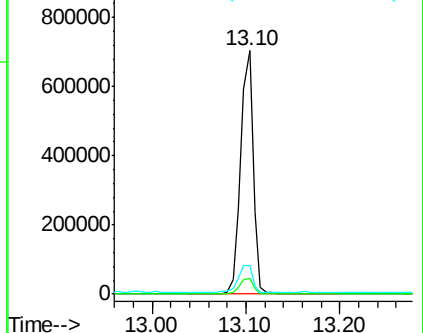
122 11.5 11.0 16.4

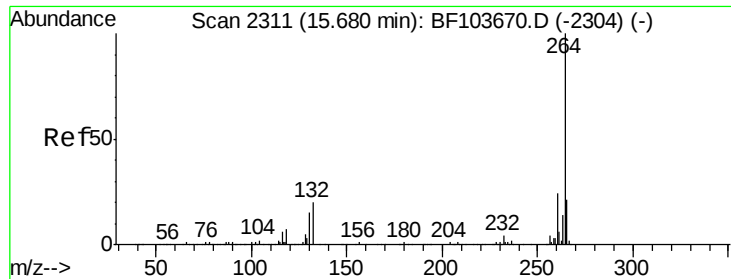


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.01 min
 Lab File: BF103979.D
 Acq: 27 Mar 2018 19:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.9	17.5	26.3

