

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
 Data File : BF101972.D
 Acq On : 10 Jan 2018 00:11
 Operator : SJ/JU
 Sample : J1049-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 03:24:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	226376	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	814066	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	276972	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	418994	20.00	ng	0.00
75) Chrysene-d12	13.89	240	410766	20.00	ng	0.00
86) Perylene-d12	15.30	264	285682	20.00	ng	0.01

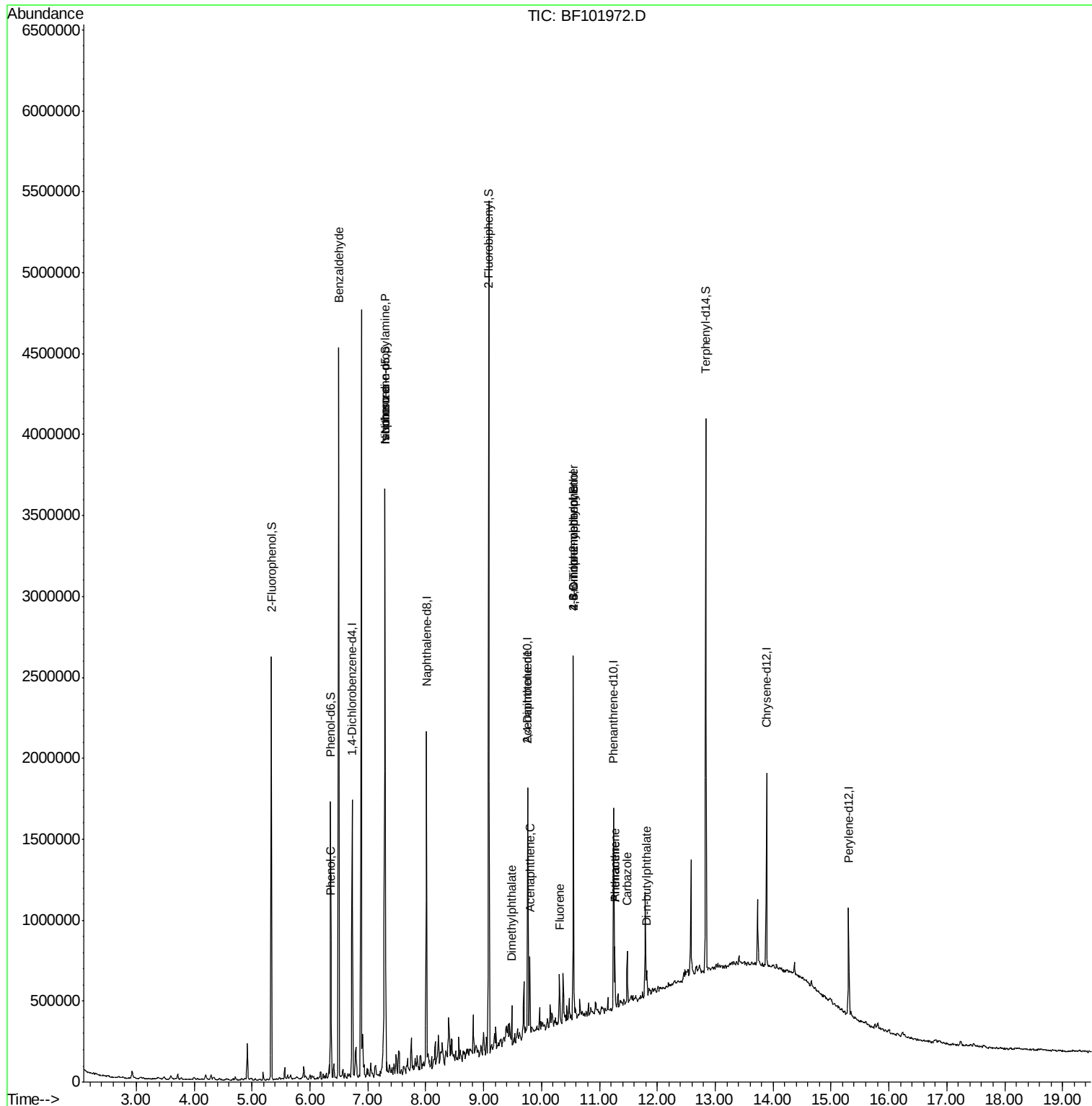
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	673918	42.04	ng	0.01
7) Phenol-d6	6.36	99	467492	24.44	ng	0.00
23) Nitrobenzene-d5	7.30	82	1174685	84.80	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	246997	102.19	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1639736	92.49	ng	0.00
78) Terphenyl-d14	12.84	244	1206426	60.98	ng	0.00

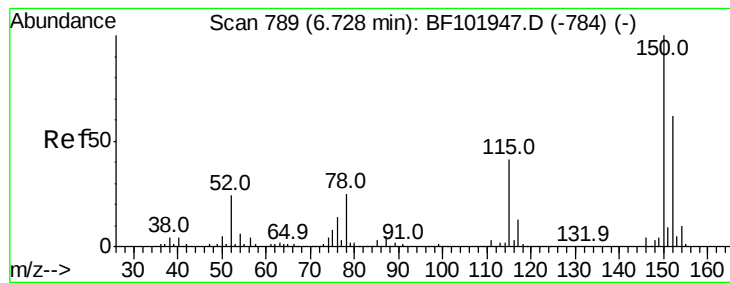
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	27903	2.101	ng	82
10) Phenol	6.37	94	52384	2.423	ng	100
19) n-Nitroso-di-n-propylamine	7.30	70	156996	12.525	ng	# 83
25) Isophorone	7.30	82	1168289	42.681	ng	# 64
49) Dimethylphthalate	9.49	163	66132	2.976	ng	99
51) Acenaphthene	9.80	154	107306	5.868	ng	100
56) 2,4-Dinitrotoluene	9.76	165	37742	6.785	ng	# 25
57) Fluorene	10.31	166	74430	4.290	ng	98
64) 4,6-Dinitro-2-methylphenol	10.55	198	1182	6.120	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	16834	3.804	ng	# 1
70) Phenanthrene	11.27	178	119839	4.896	ng	98
71) Anthracene	11.27	178	119839	4.828	ng	98
72) Carbazole	11.48	167	117172	4.803	ng	98
73) Di-n-butylphthalate	11.82	149	65307	2.182	ng	96

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

```
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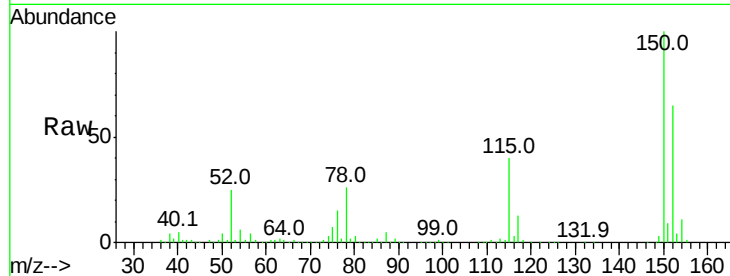


#1

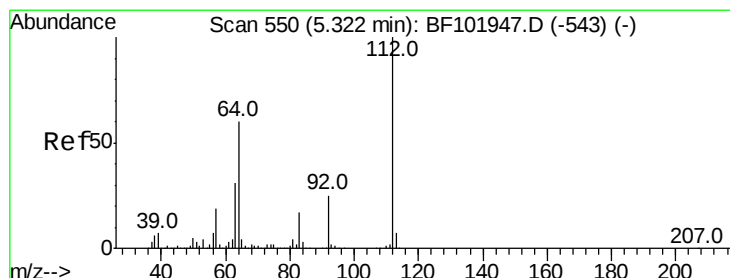
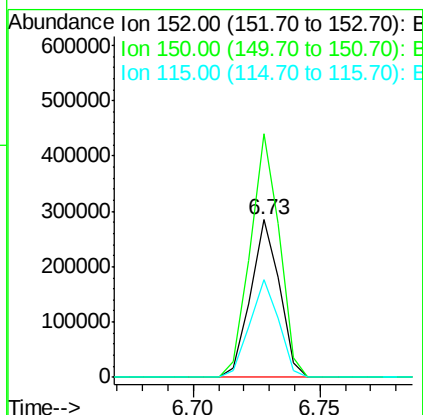
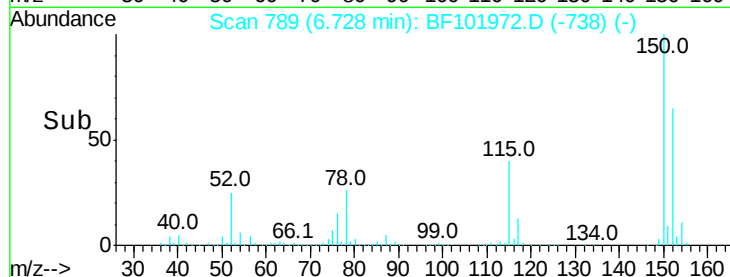
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 226376
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 62.3 50.1 75.1



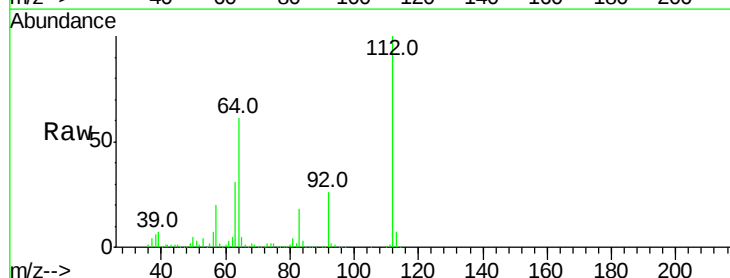
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



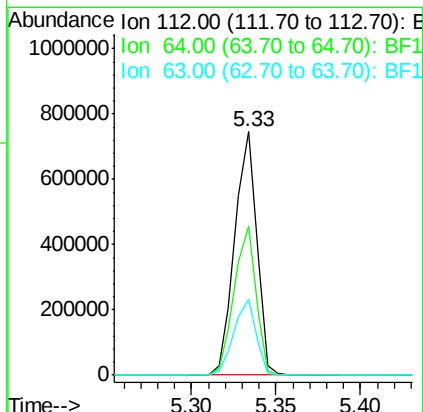
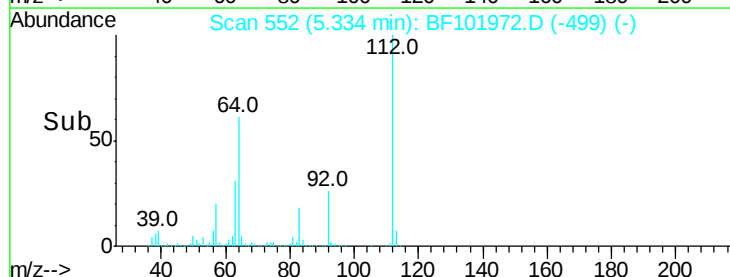
#5

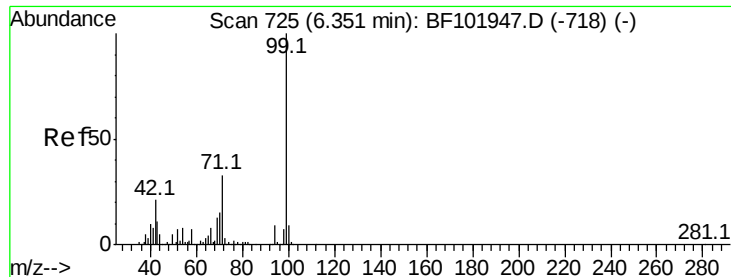
2-Fluorophenol
Concen: 42.037 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

Tgt Ion:112 Resp: 673918
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 31.0 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: 24.441 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

Instrument :

BNA_F

ClientSampleId :

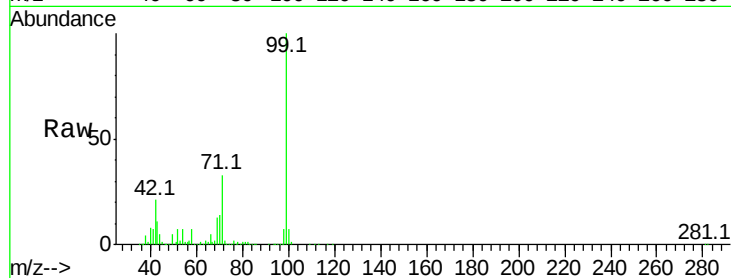
Tot Ion: 99 Resp: 467492

Ion Ratio Lower Upper

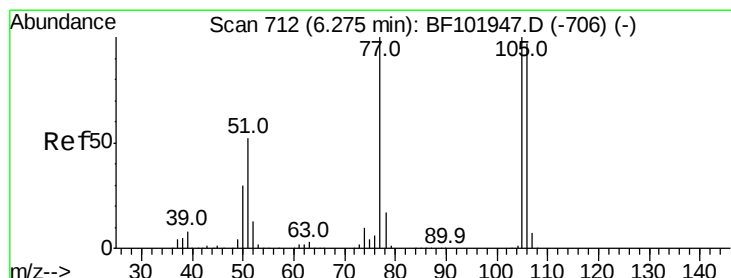
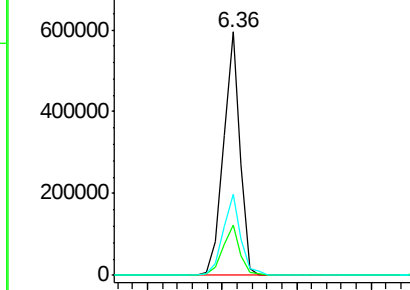
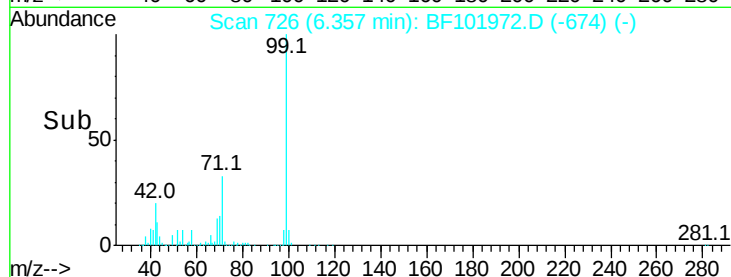
99 100

42 20.8 14.5 21.7

71 33.4 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: 2.101 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

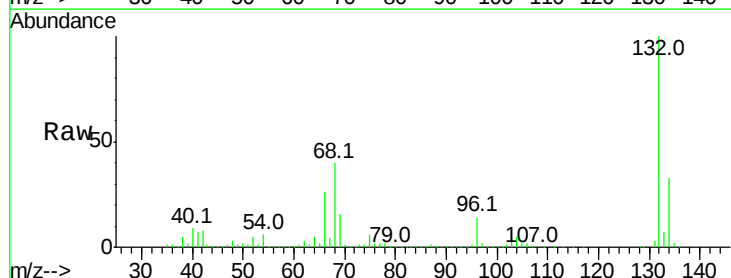
Tgt Ion: 77 Resp: 27903

Ion Ratio Lower Upper

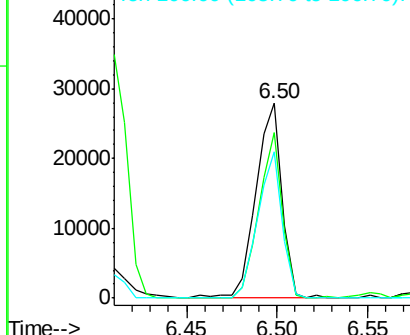
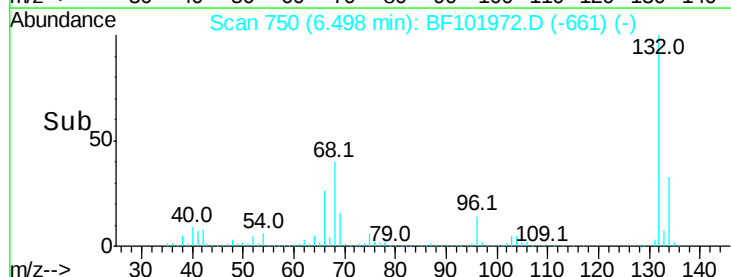
77 100

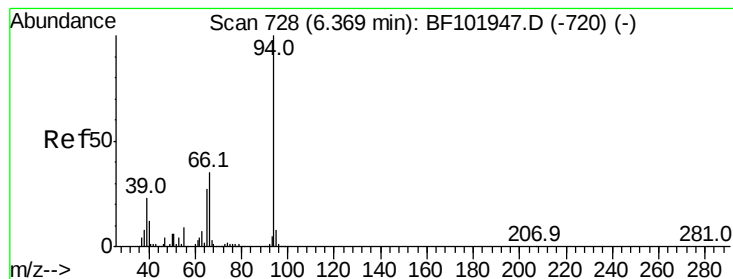
105 85.1 81.1 121.1

106 75.3 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: 2.423 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

Instrument :

BNA_F

ClientSampled :

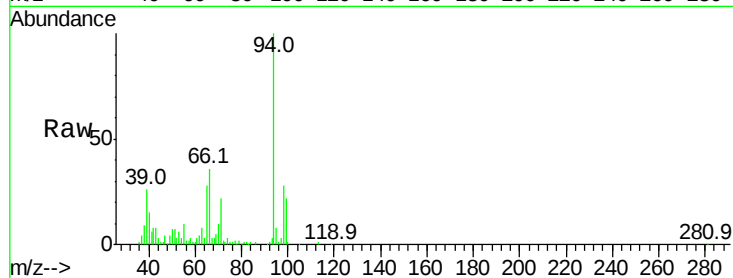
Tot Ion: 94 Resp: 52384

Ion Ratio Lower Upper

94 100

65 27.6 7.9 47.9

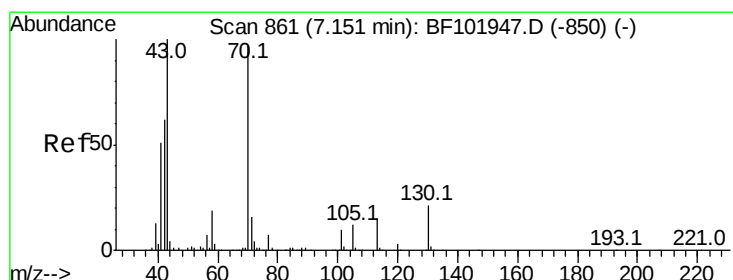
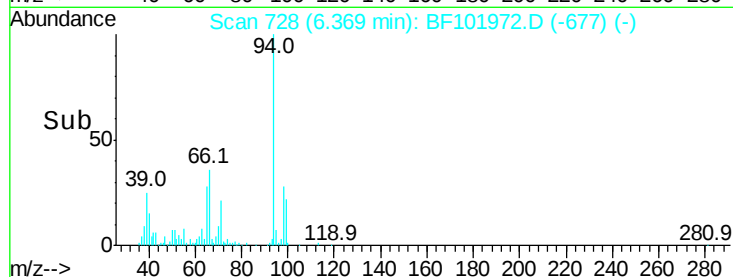
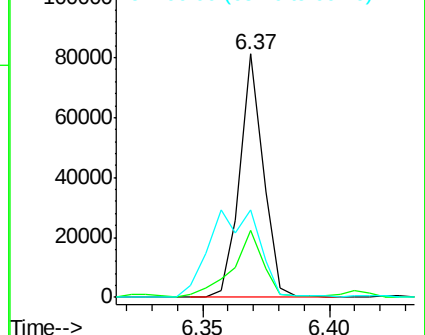
66 36.1 16.2 56.2



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: 12.525 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

Tgt Ion: 70 Resp: 156996

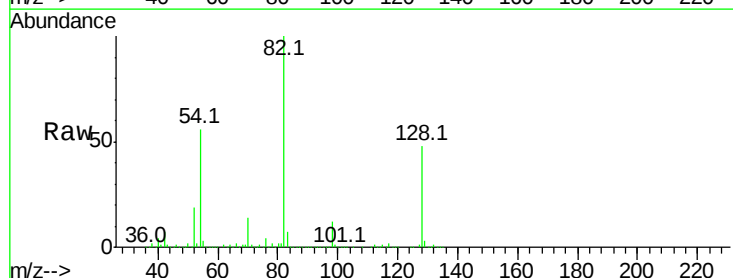
Ion Ratio Lower Upper

70 100

42 53.3 47.5 71.3

101 0.5 7.4 11.2#

130 2.3 16.6 25.0#

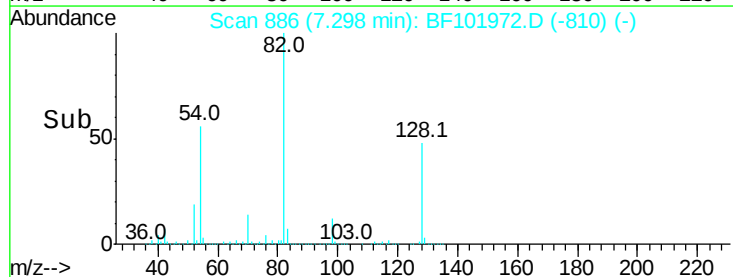
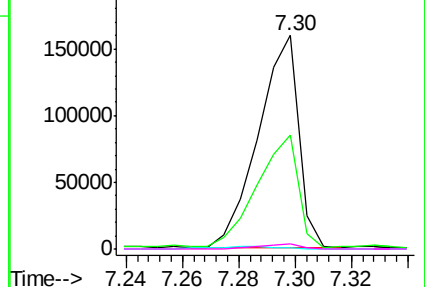


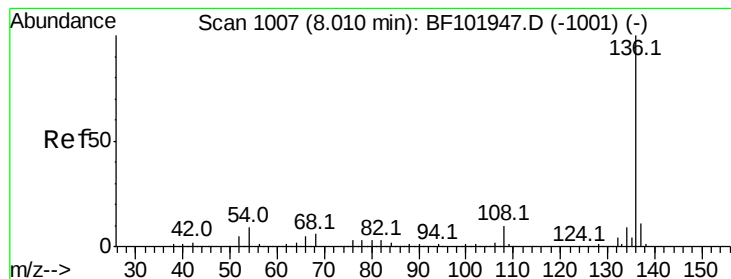
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 814066

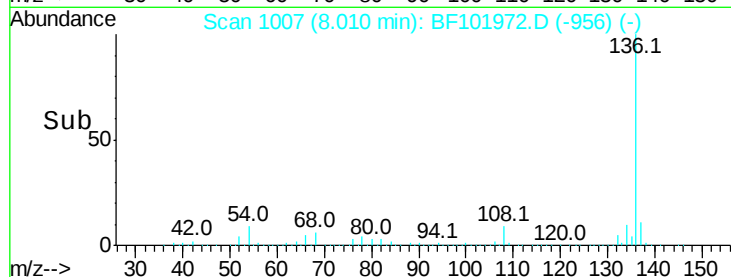
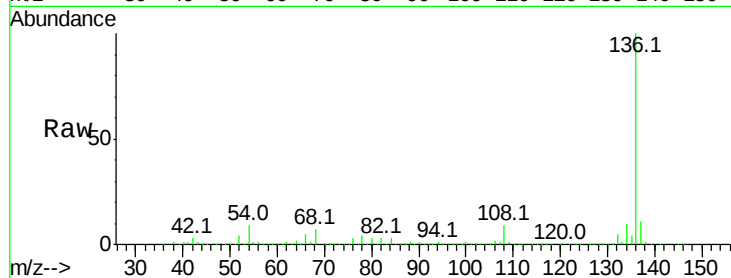
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.0 6.6 9.8

68 6.5 5.0 7.4

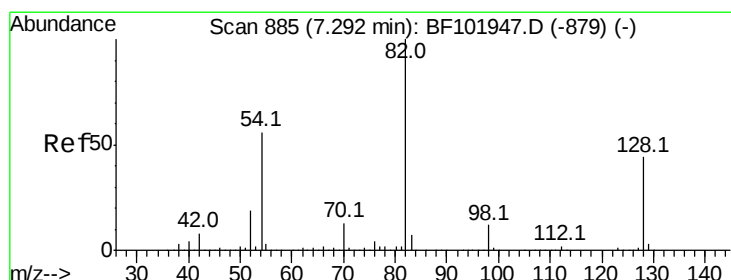
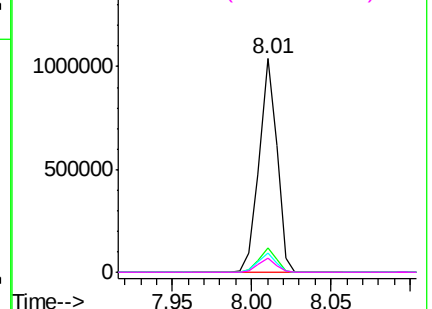


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.796 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.01 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

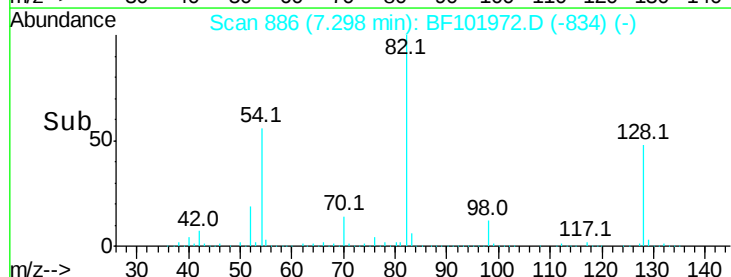
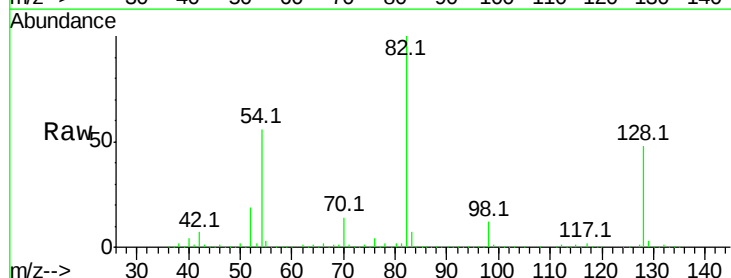
Tgt Ion: 82 Resp: 1174685

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

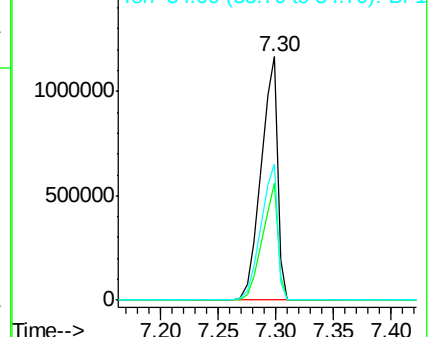
54 56.1 41.4 62.2

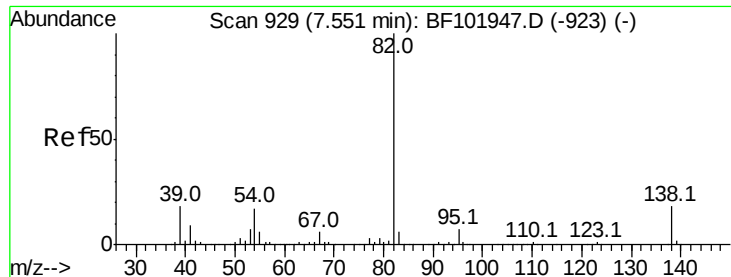


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.681 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.25 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

Instrument :

BNA_F

ClientSampleId :

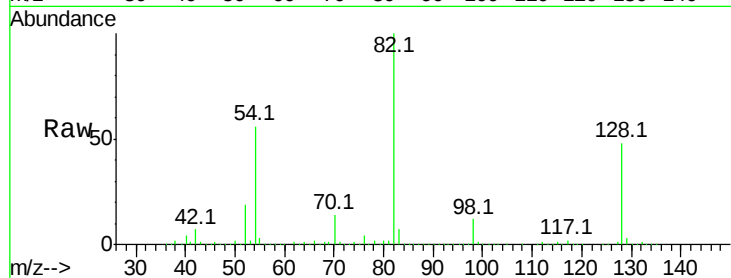
Tot Ion: 82 Resp: 1168289

Ion Ratio Lower Upper

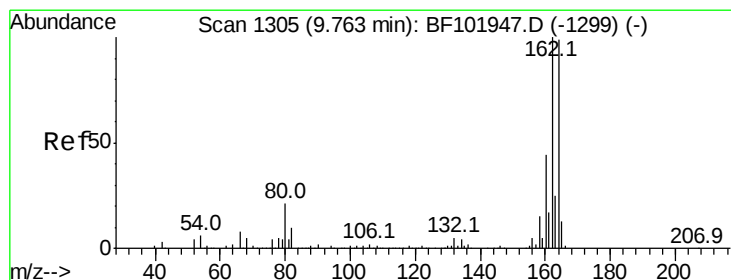
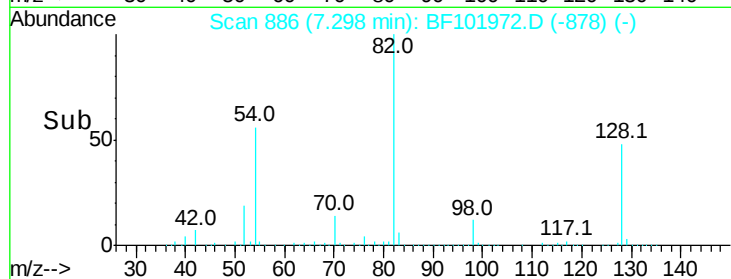
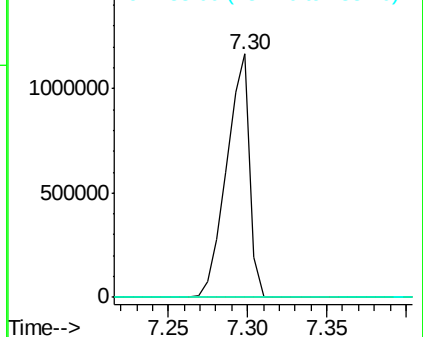
82 100

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: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

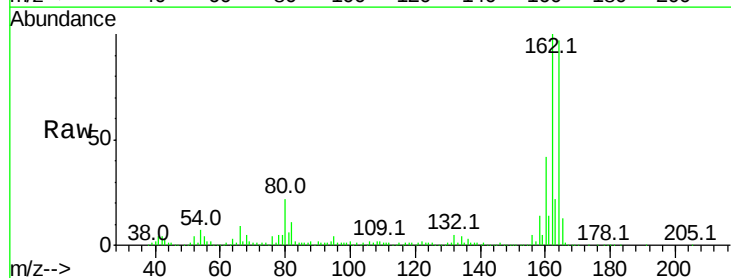
Tgt Ion:164 Resp: 276972

Ion Ratio Lower Upper

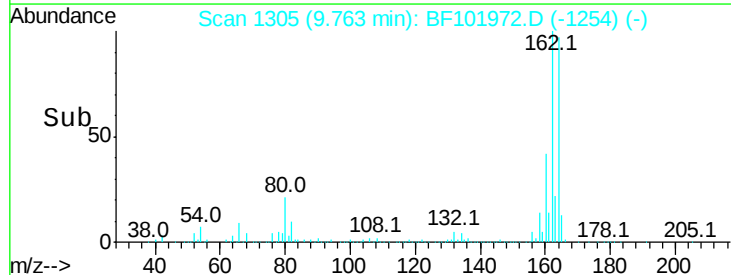
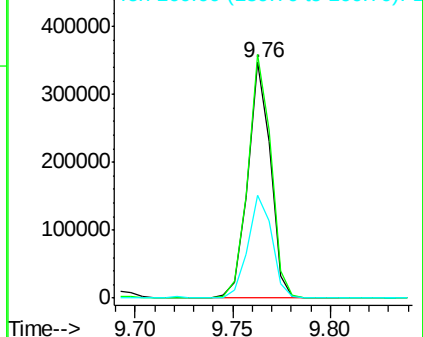
164 100

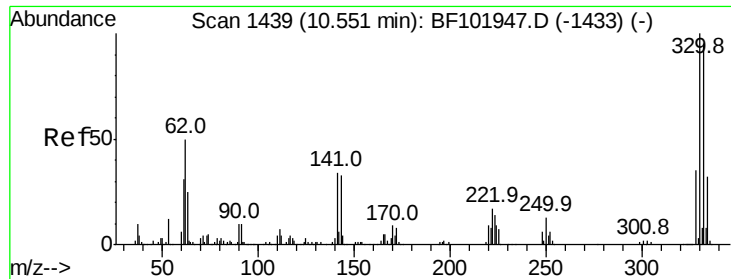
162 103.3 86.1 129.1

160 43.8 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

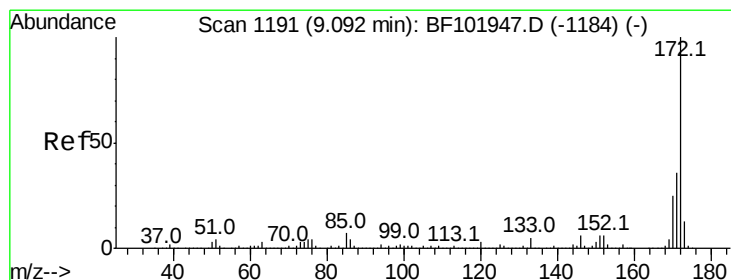
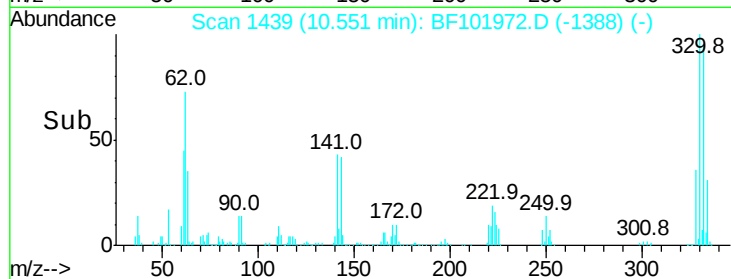
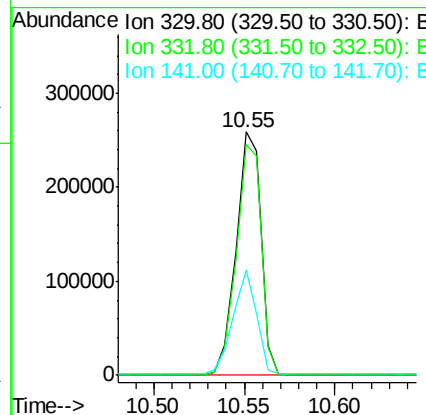
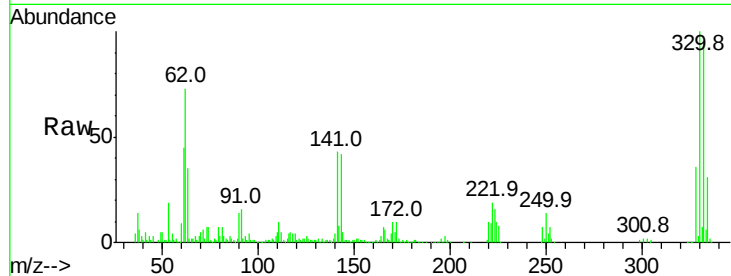




#41
 2,4,6-Tribromophenol
 Concen: 102.187 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF101972.D
 Acq: 10 Jan 2018 00:11

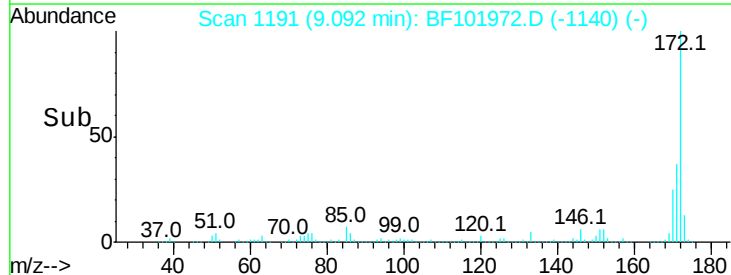
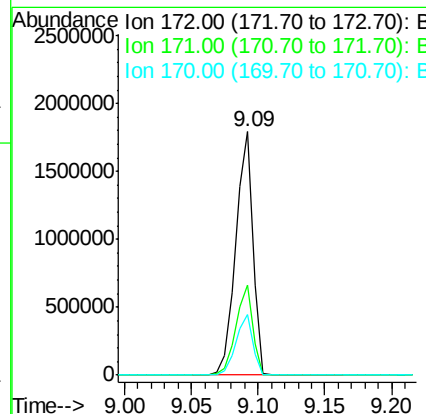
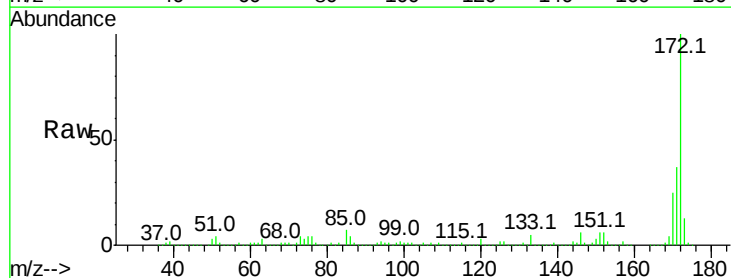
Instrument :
 BNA_F
 ClientSampleId :

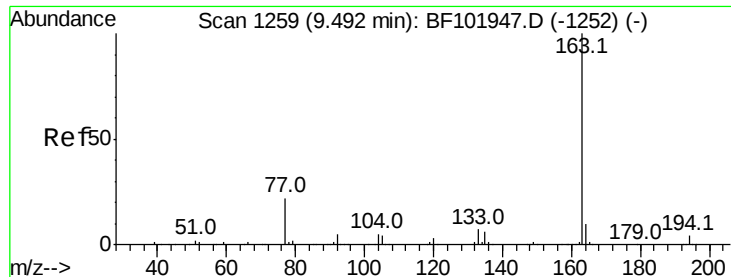
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	40.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 92.490 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF101972.D
 Acq: 10 Jan 2018 00:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.7	19.6	29.4

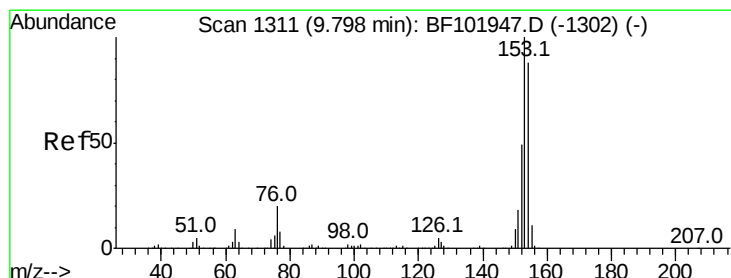
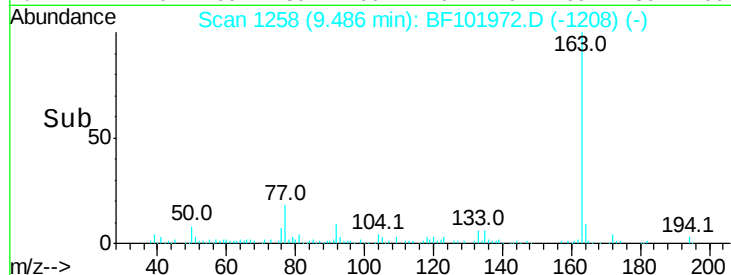
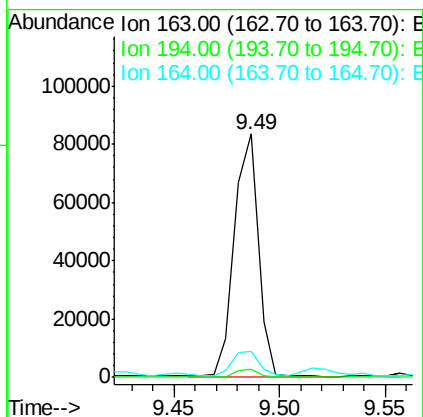
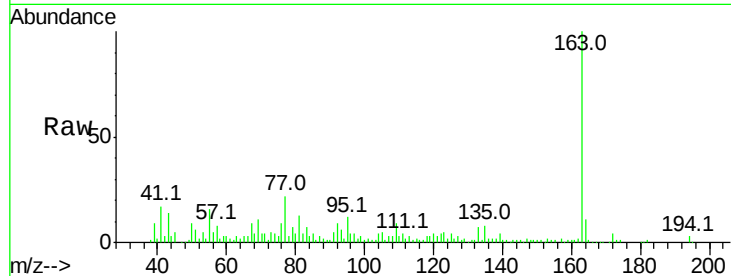




#49
Dimethylphthalate
Concen: 2.976 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

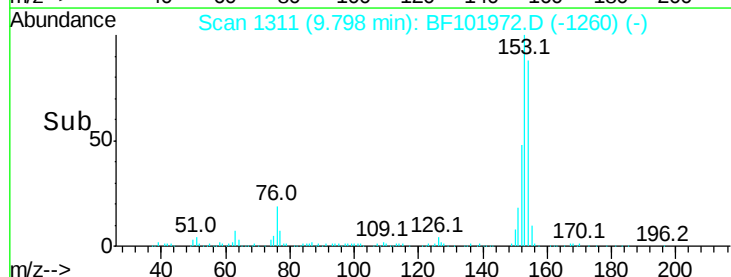
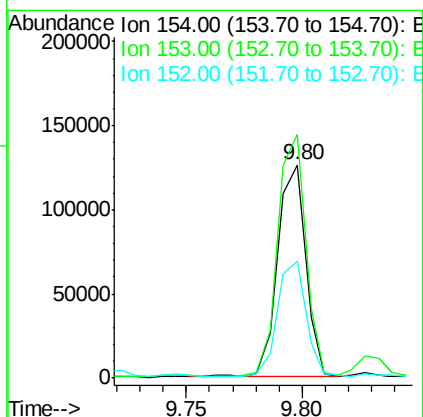
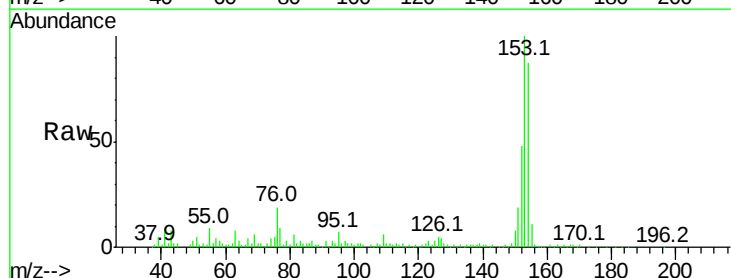
Instrument :
BNA_F
ClientSampleId :

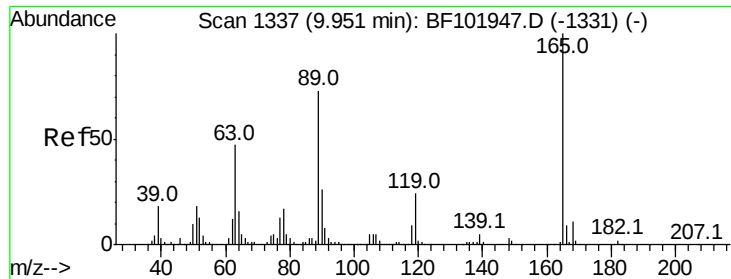
Tot Ion:163 Resp: 66132
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.6 8.2 12.2



#51
Acenaphthene
Concen: 5.868 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

Tgt Ion:154 Resp: 107306
Ion Ratio Lower Upper
154 100
153 114.3 91.2 136.8
152 54.7 43.8 65.8

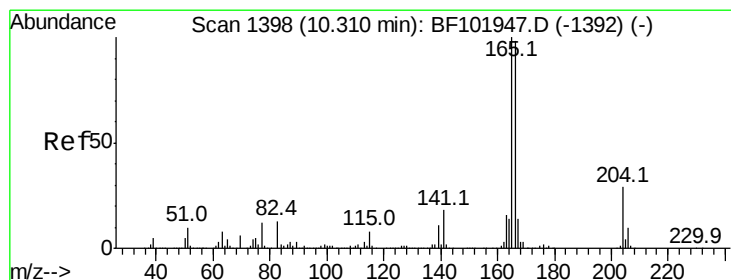
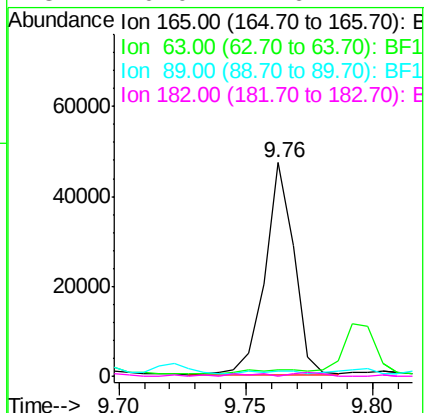
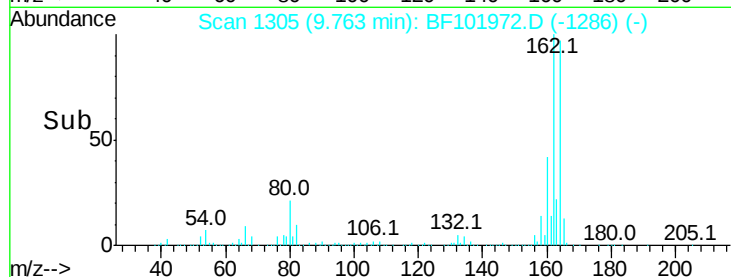
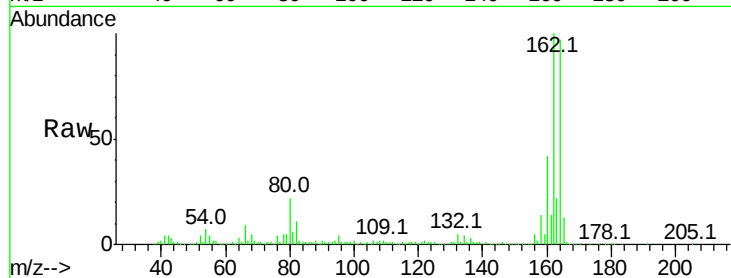




#56
2,4-Dinitrotoluene
Concen: 6.785 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

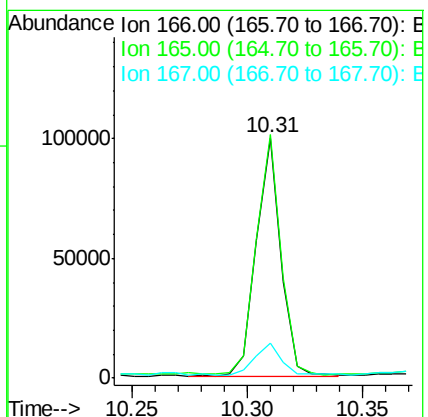
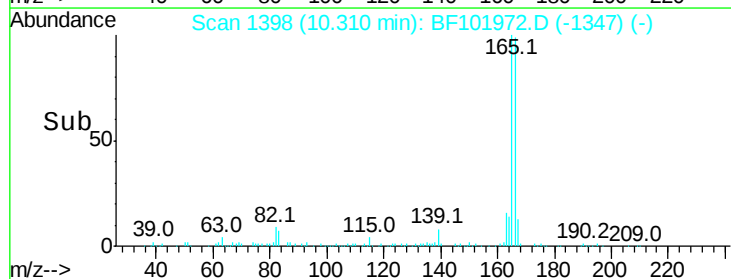
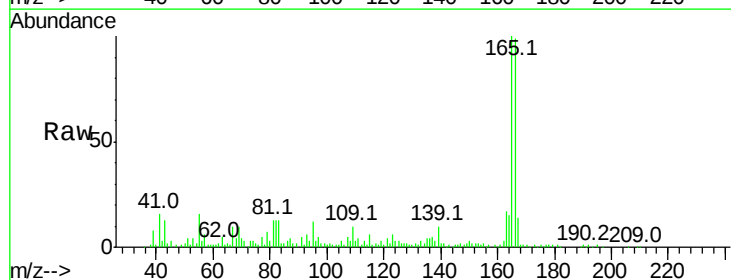
Instrument :
BNA_F
ClientSampleId :

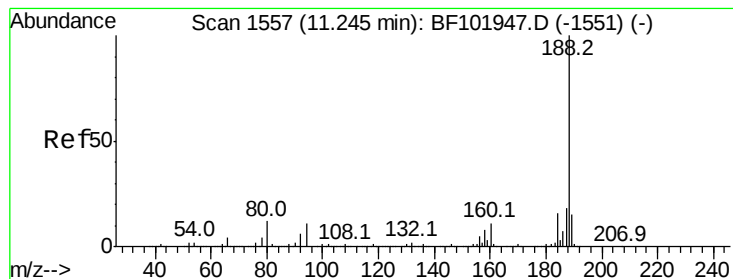
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	36.4	54.6#
89	2.4	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 4.290 ng
RT: 10.31 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.8	119.8
167	14.4	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

Instrument :

BNA_F

ClientSampleId :

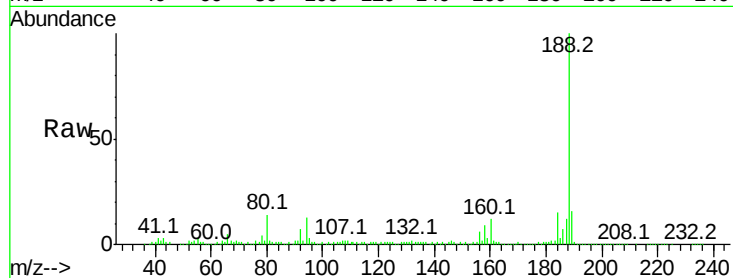
Tot Ion:188 Resp: 418994

Ion Ratio Lower Upper

188 100

94 13.4 8.5 12.7#

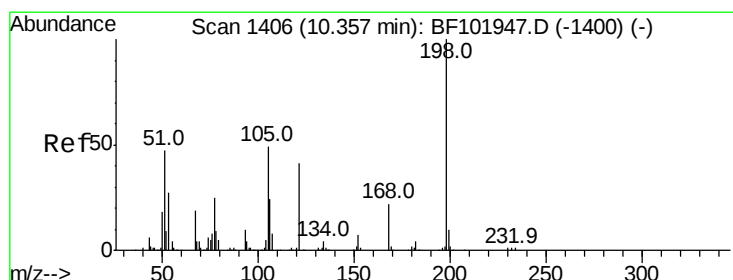
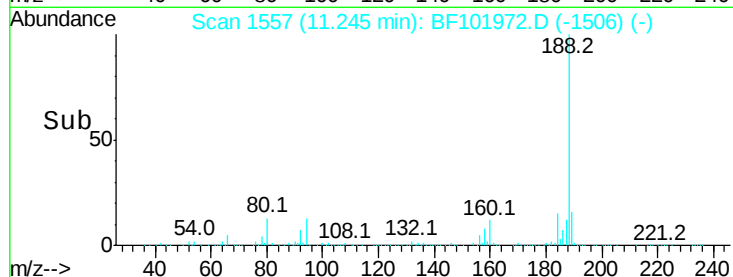
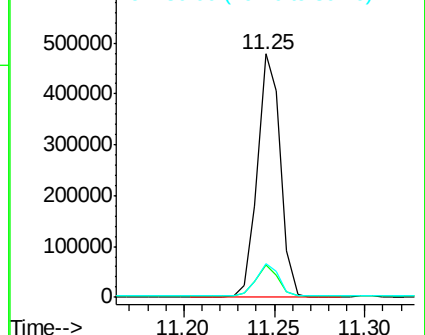
80 13.9 9.2 13.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.120 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.19 min

Lab File: BF101972.D

Acq: 10 Jan 2018 00:11

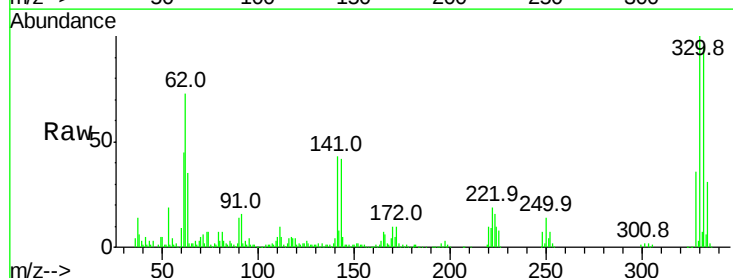
Tgt Ion:198 Resp: 1182

Ion Ratio Lower Upper

198 100

51 262.6 37.7 77.7#

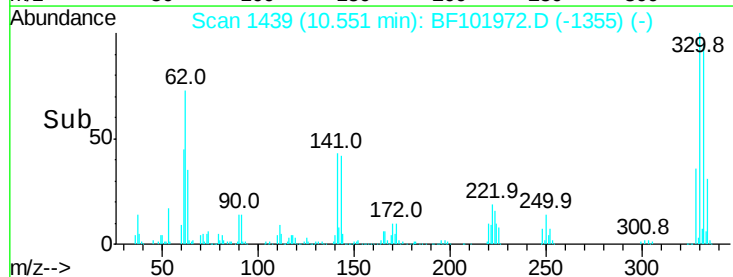
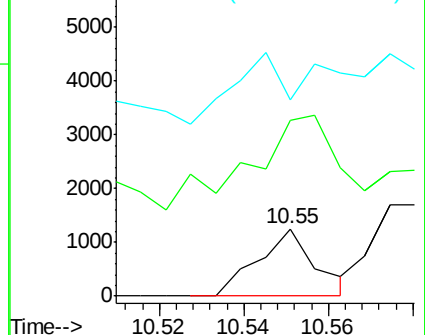
105 292.7 36.3 76.3#

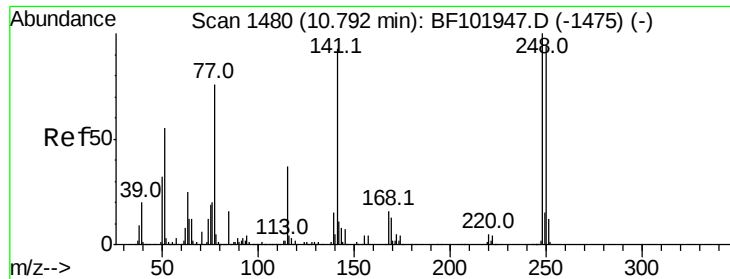


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

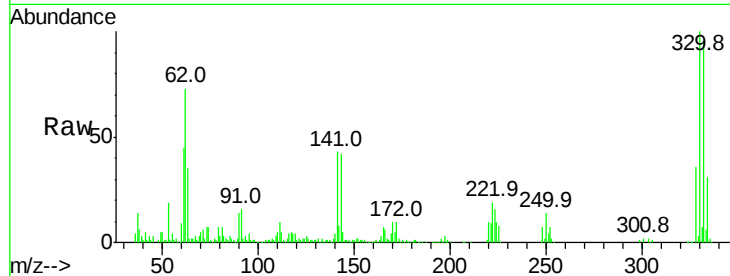




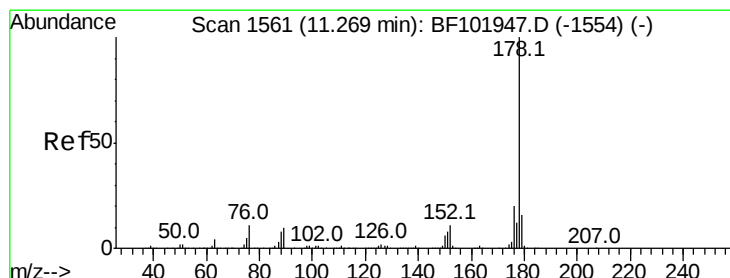
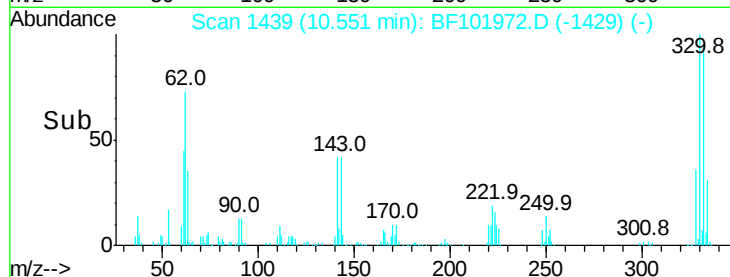
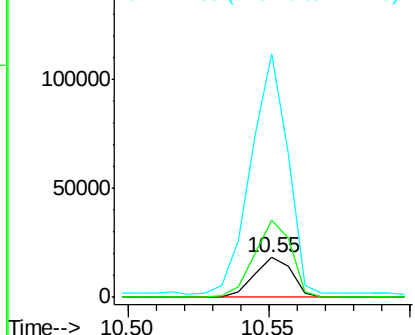
#66
4-Bromophenyl-phenylether
Concen: 3.804 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16834
Ion Ratio Lower Upper
248 100
250 195.1 76.9 115.3#
141 615.5 74.4 111.6#

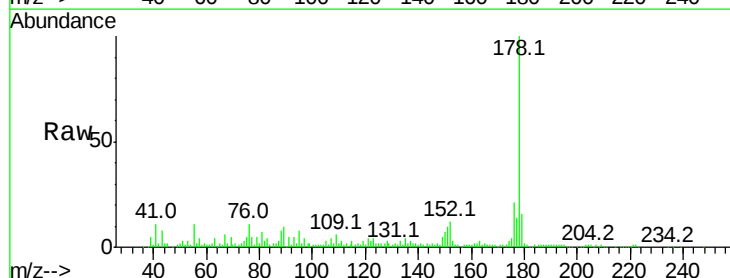


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

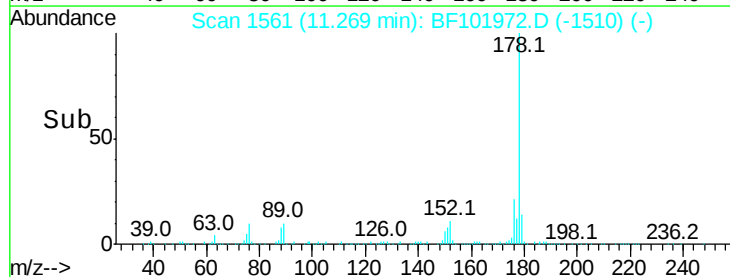
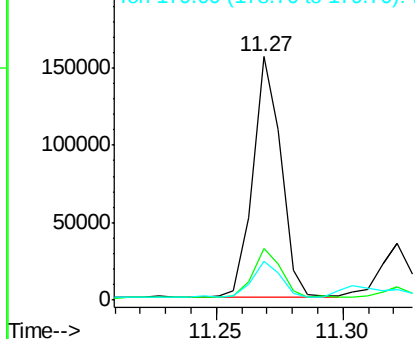


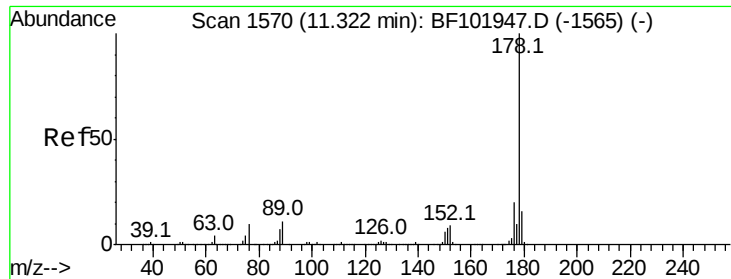
#70
Phenanthrene
Concen: 4.896 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

Tgt Ion:178 Resp: 119839
Ion Ratio Lower Upper
178 100
176 21.2 15.8 23.8
179 15.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



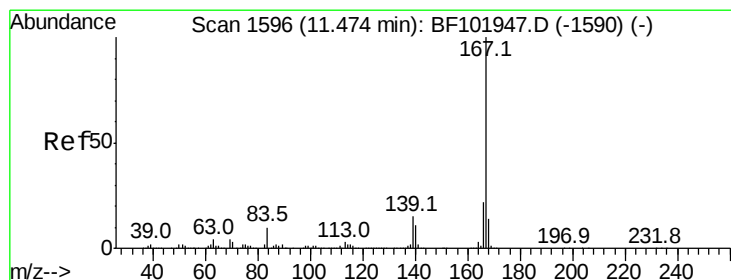
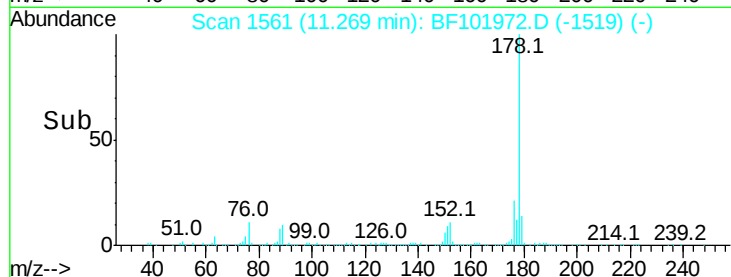
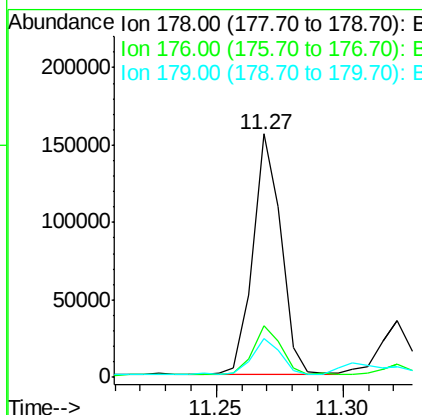
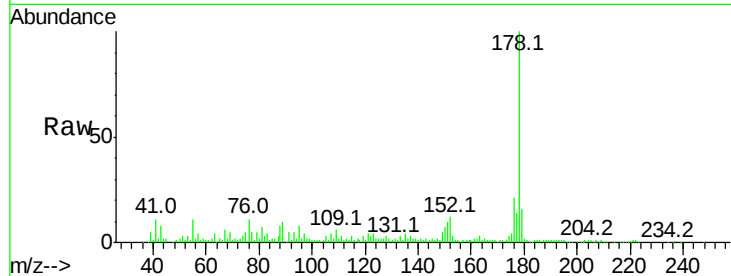


#71
 Anthracene
 Concen: 4.828 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.05 min
 Lab File: BF101972.D
 Acq: 10 Jan 2018 00:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 119839

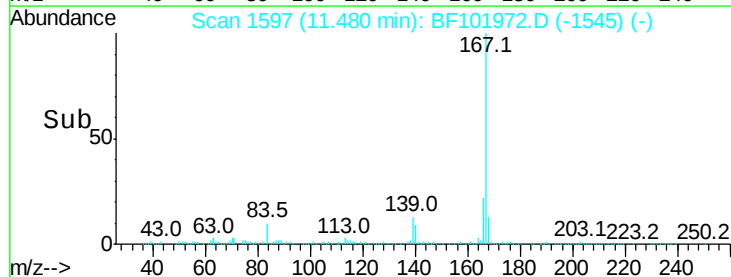
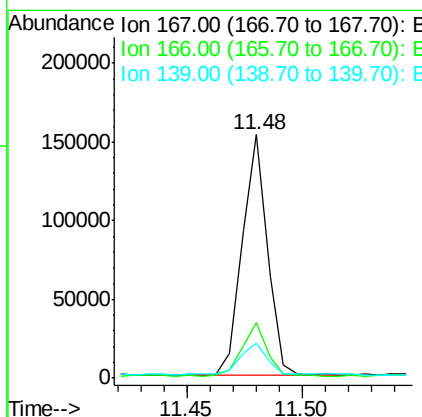
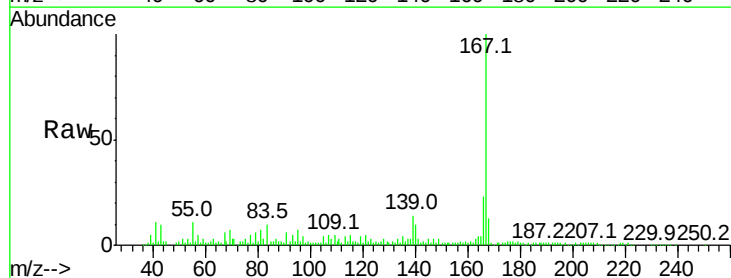
Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.4	23.2
179	15.7	12.6	19.0

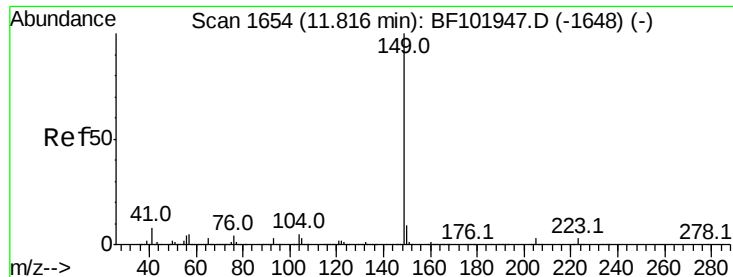


#72
 Carbazole
 Concen: 4.803 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF101972.D
 Acq: 10 Jan 2018 00:11

Tgt Ion:167 Resp: 117172

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	14.4	10.9	16.3

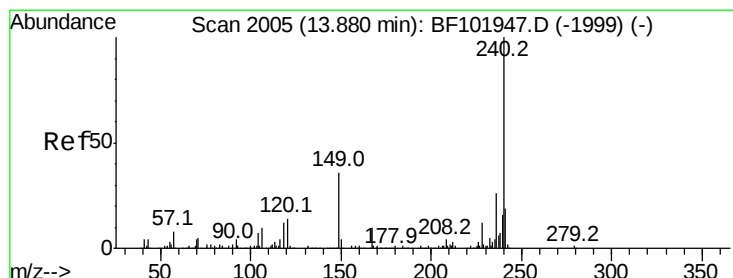
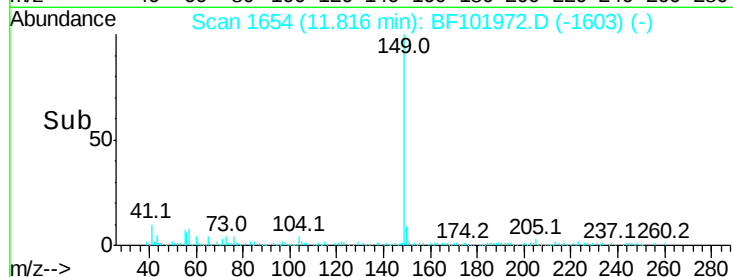
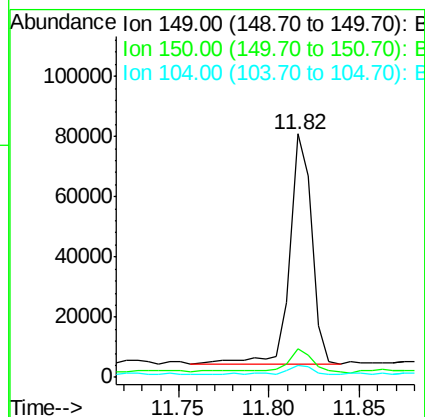
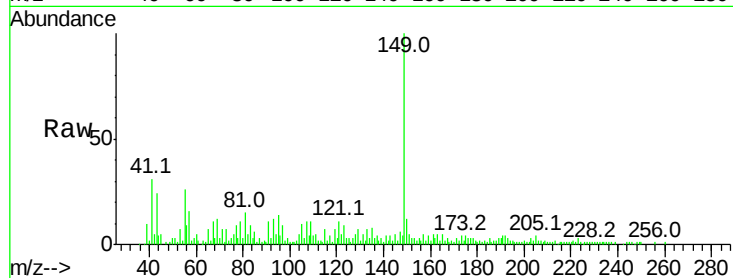




#73
Di-n-butylphthalate
Concen: 2.182 ng
RT: 11.82 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

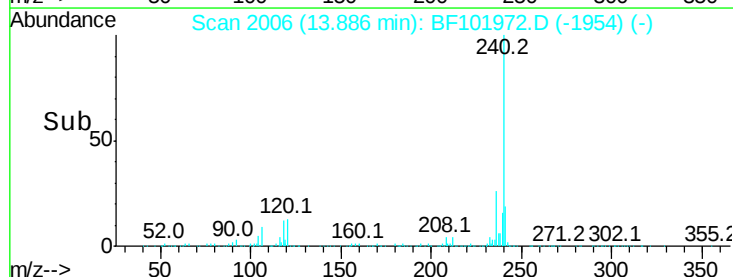
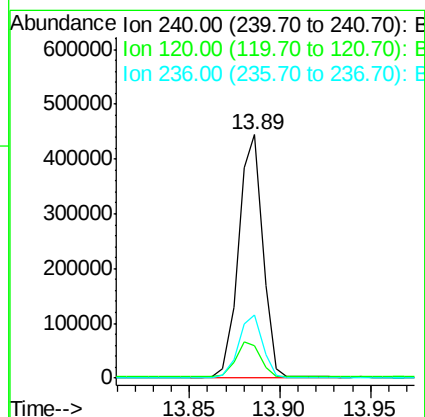
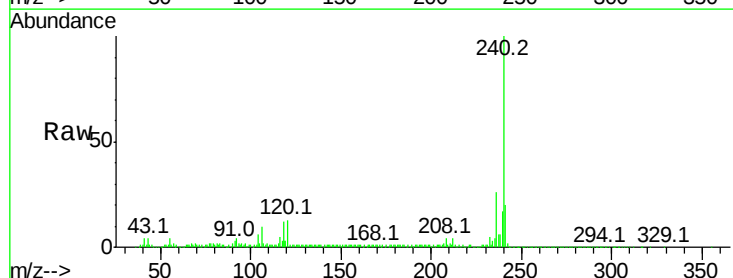
Instrument :
BNA_F
ClientSampled :

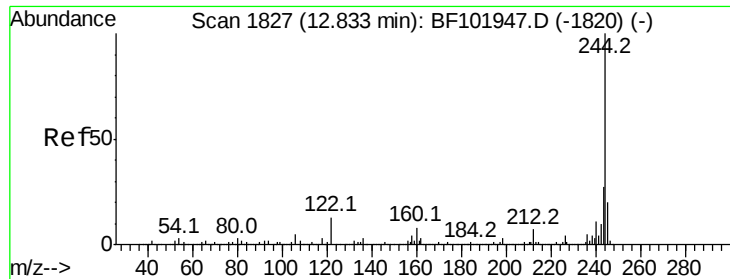
Tot Ion:149 Resp: 65307
Ion Ratio Lower Upper
149 100
150 11.6 7.8 11.6
104 5.1 3.8 5.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF101972.D
Acq: 10 Jan 2018 00:11

Tgt Ion:240 Resp: 410766
Ion Ratio Lower Upper
240 100
120 13.4 9.5 14.3
236 25.8 20.7 31.1

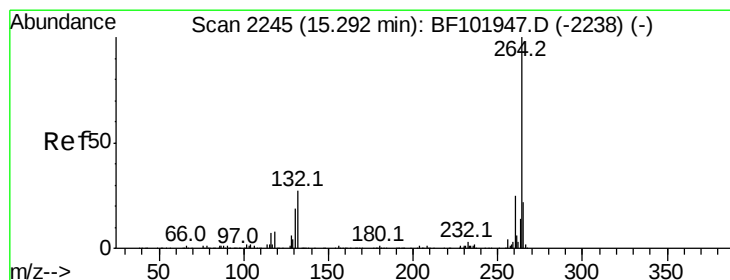
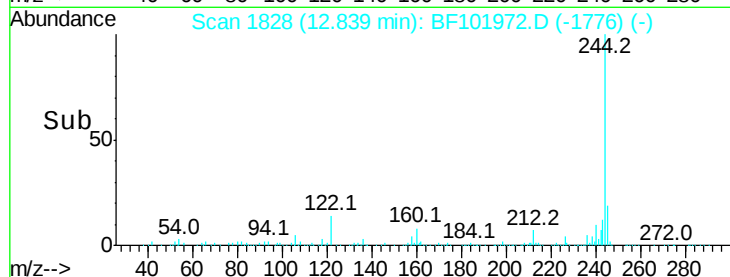
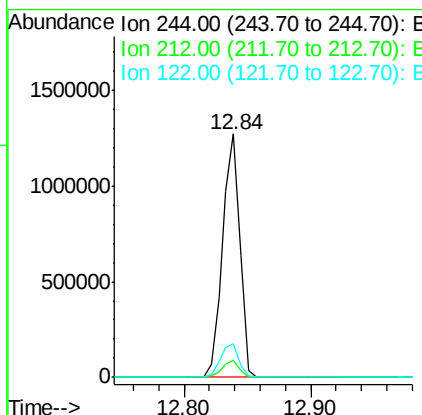
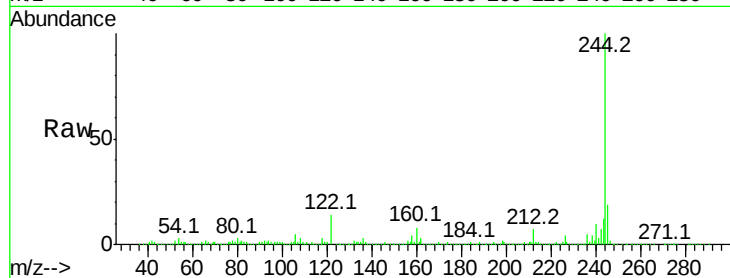




#78
 Terphenyl-d14
 Concen: 60.980 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF101972.D
 Acq: 10 Jan 2018 00:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1206426
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.8 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: BF101972.D
 Acq: 10 Jan 2018 00:11

Tgt Ion:264 Resp: 285682
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 22.5 17.5 26.3

