

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102859.D
 Acq On : 8 Feb 2018 16:39
 Operator : SJ/JU
 Sample : J1470-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 18:15:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	187530	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	730293	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	291357	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	393093	20.00	ng	0.00
75) Chrysene-d12	14.05	240	339093	20.00	ng	0.00
86) Perylene-d12	15.54	264	298876	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1083885	87.78	ng	0.01
7) Phenol-d6	6.51	99	1291076	86.83	ng	0.00
23) Nitrobenzene-d5	7.45	82	809234	76.87	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	161741	68.97	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1023225	58.28	ng	0.00
78) Terphenyl-d14	13.00	244	589407	41.16	ng	0.00

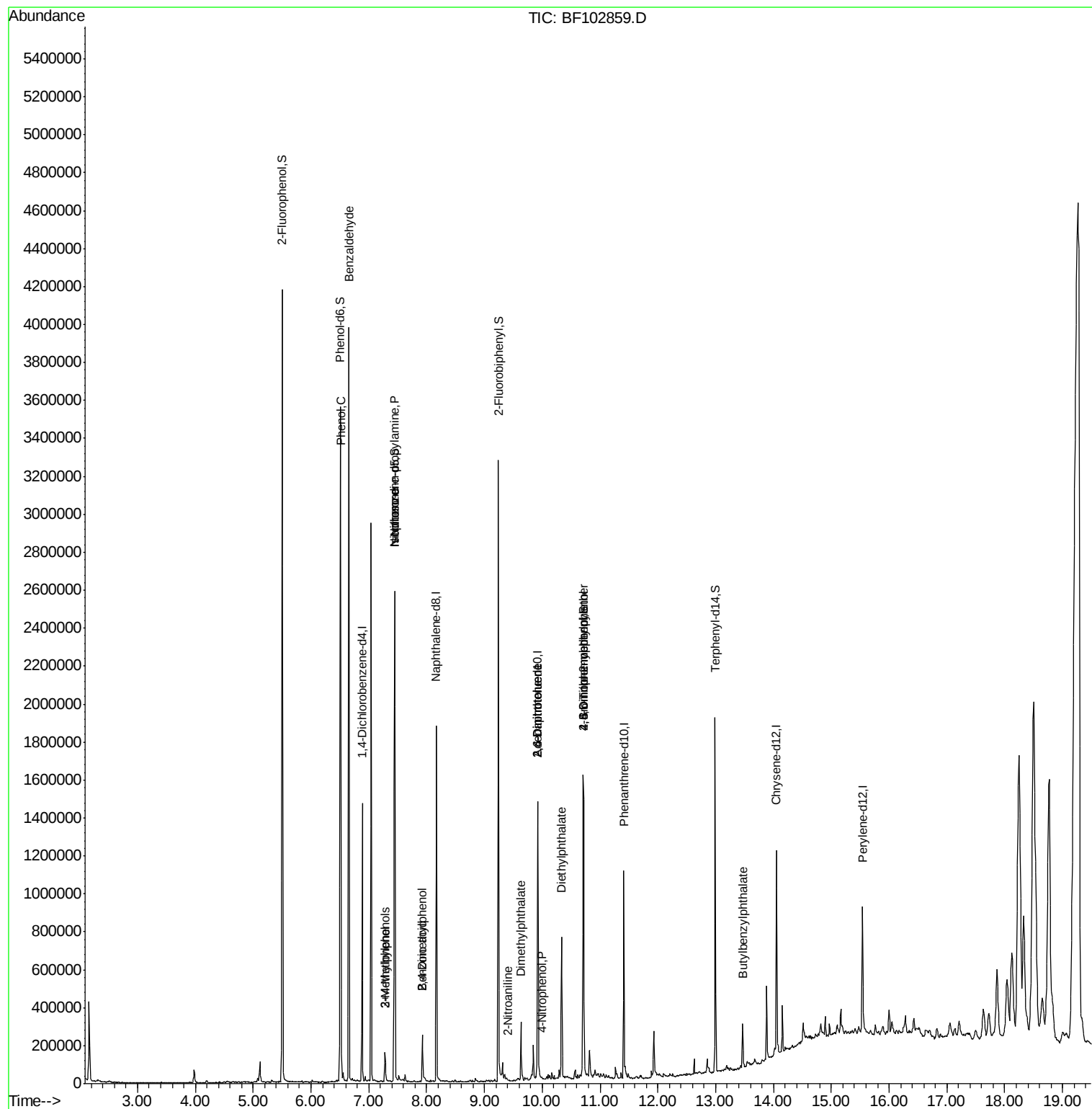
Target Compounds				Qvalue		
9) Benzaldehyde	6.66	77	22664	2.053	ng	86
10) Phenol	6.52	94	32598	2.046	ng	89
17) 2-Methylphenol	7.28	107	40494	3.453	ng	# 72
19) n-Nitroso-di-n-propylamine	7.45	70	110366	11.258	ng	# 86
20) 3+4-Methylphenols	7.28	107	40494	2.800	ng	88
25) Isophorone	7.45	82	809225	33.382	ng	# 64
27) 2,4-Dimethylphenol	7.93	122	41341	4.037	ng	# 4
32) Benzoic acid	7.93	122	41341	13.950	ng	# 28
47) 2-Nitroaniline	9.41	65	112	3.490	ng	# 2
49) Dimethylphthalate	9.63	163	102802	4.525	ng	99
50) 2,6-Dinitrotoluene	9.92	165	36902	8.538	ng	# 26
55) 4-Nitrophenol	9.99	139	149	4.056	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	36902	9.034	ng	# 24
59) Diethylphthalate	10.33	149	241969	10.787	ng	99
64) 4,6-Dinitro-2-methylphenol	10.71	198	458	9.051	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	11916	2.866	ng	# 1
79) Butylbenzylphthalate	13.47	149	44858	4.476	ng	93

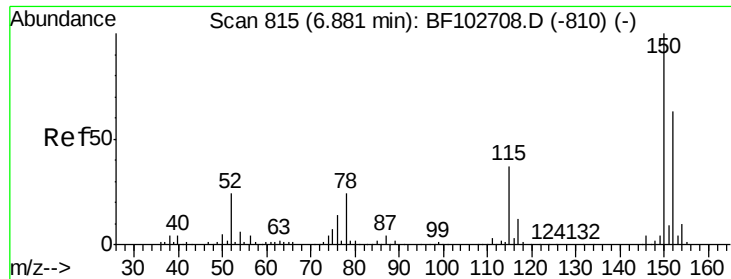
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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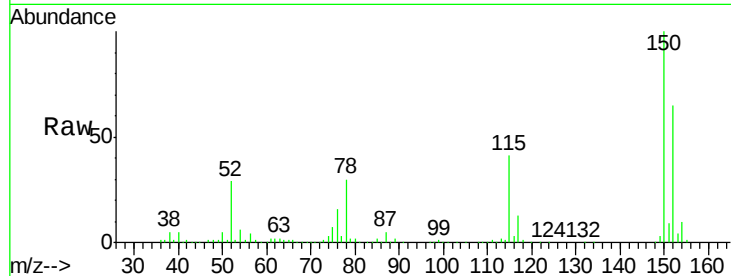


#1

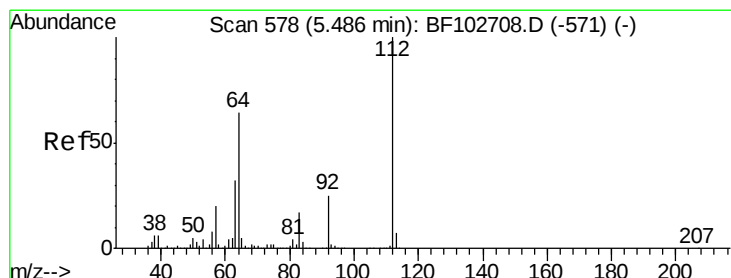
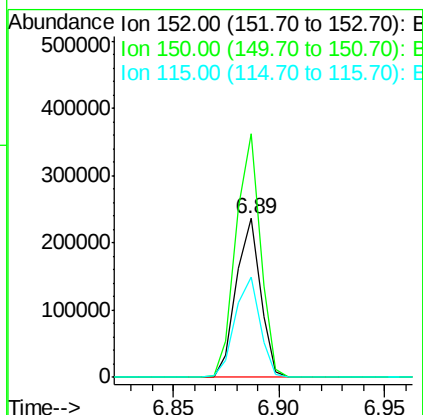
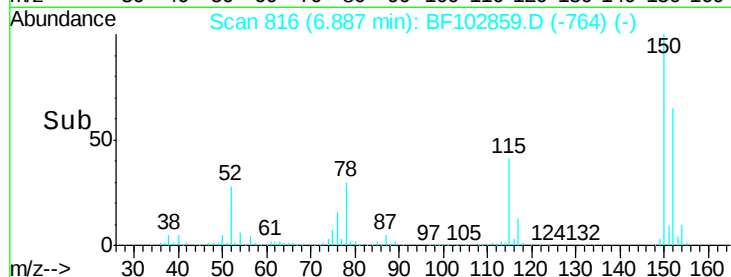
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 187530
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 63.3 50.1 75.1



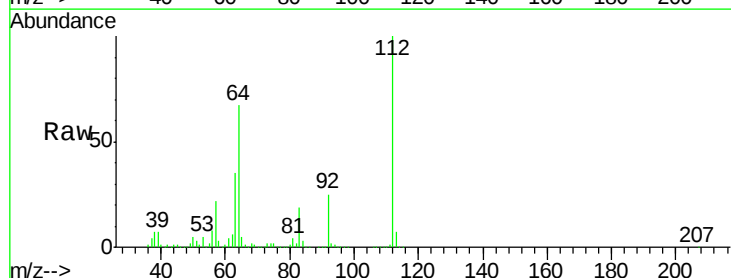
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



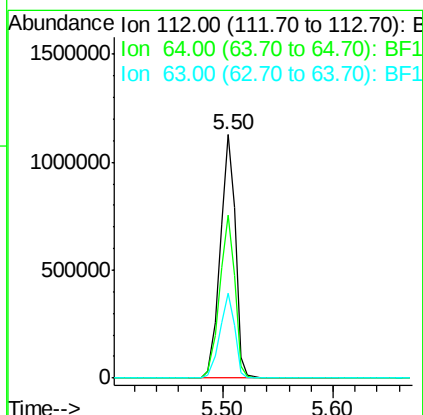
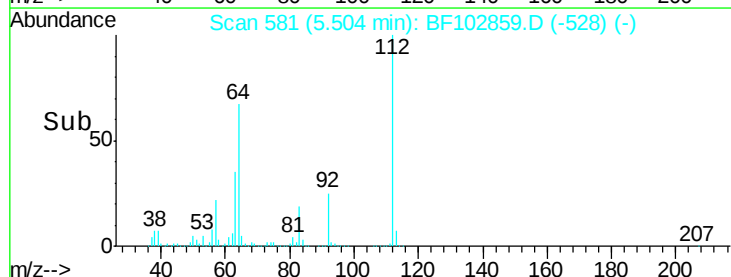
#5

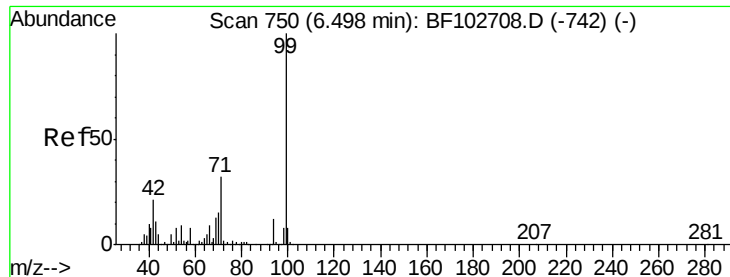
2-Fluorophenol
Concen: 87.776 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Tgt Ion:112 Resp: 1083885
Ion Ratio Lower Upper
112 100
64 66.9 47.9 71.9
63 34.8 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: 86.835 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

Instrument :

BNA_F

ClientSampleId :

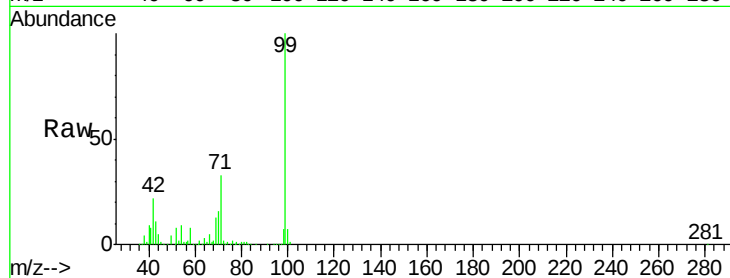
Tot Ion: 99 Resp: 1291076

Ion Ratio Lower Upper

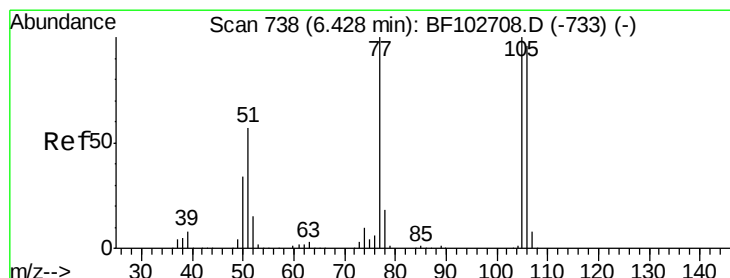
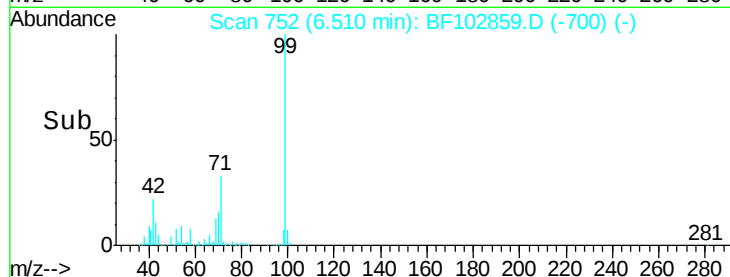
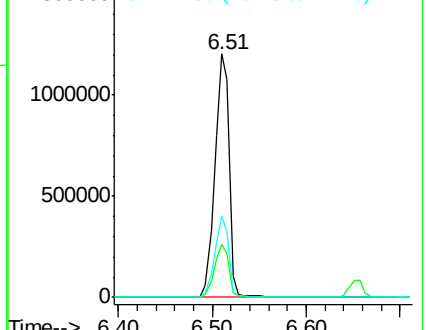
99 100

42 21.6 14.5 21.7

71 33.2 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: 2.053 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

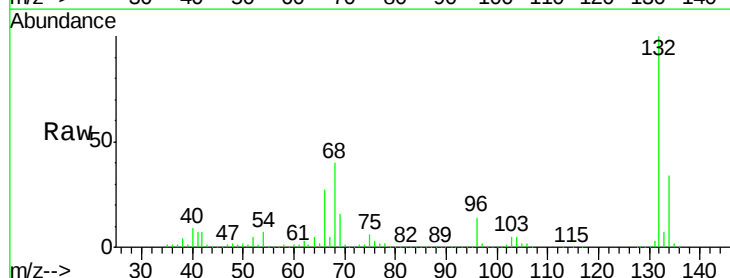
Tgt Ion: 77 Resp: 22664

Ion Ratio Lower Upper

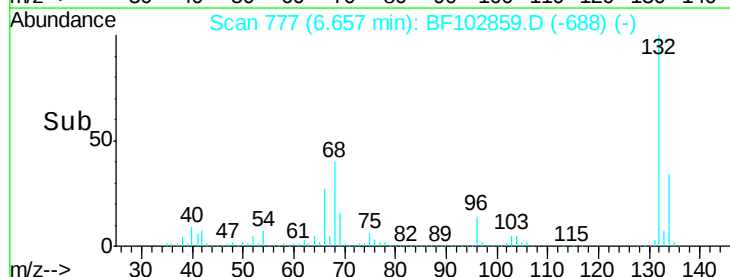
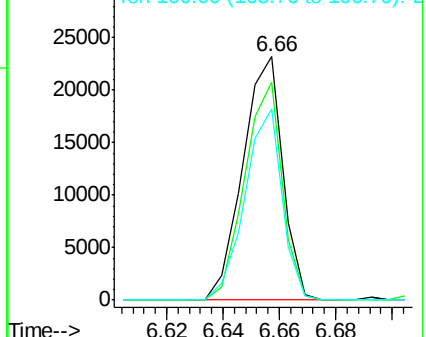
77 100

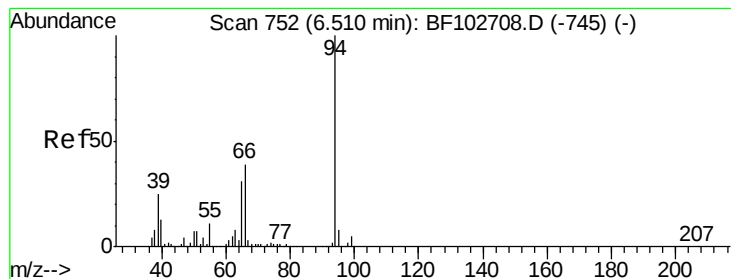
105 89.7 81.1 121.1

106 78.5 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: 2.046 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

Instrument :

BNA_F

ClientSampled :

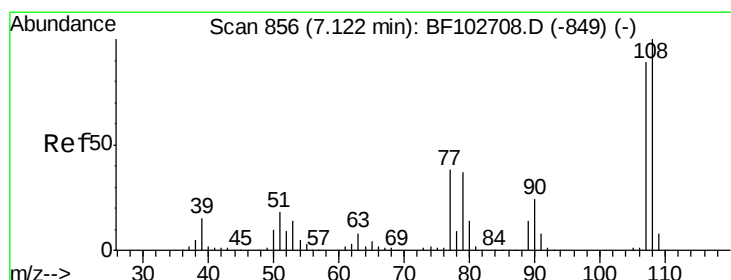
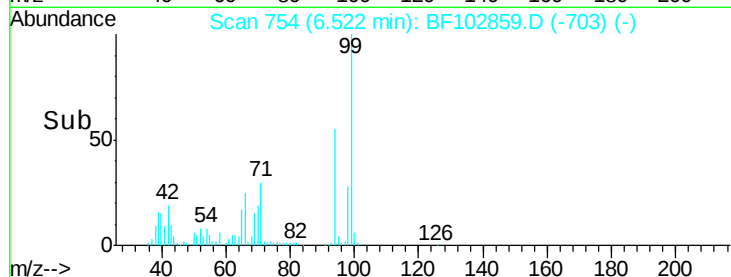
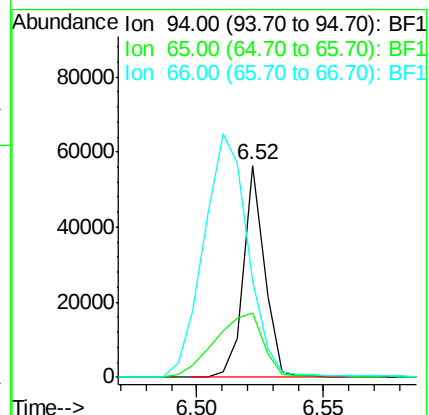
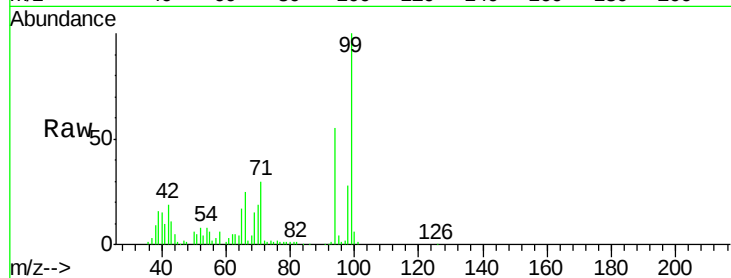
Tot Ion: 94 Resp: 32598

Ion Ratio Lower Upper

94 100

65 30.6 7.9 47.9

66 45.5 16.2 56.2



#17

2-Methylphenol

Concen: 3.453 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

Tgt Ion: 107 Resp: 40494

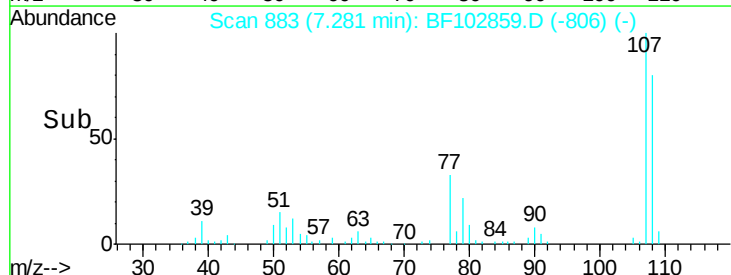
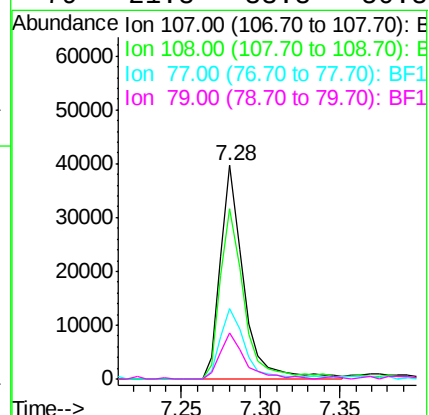
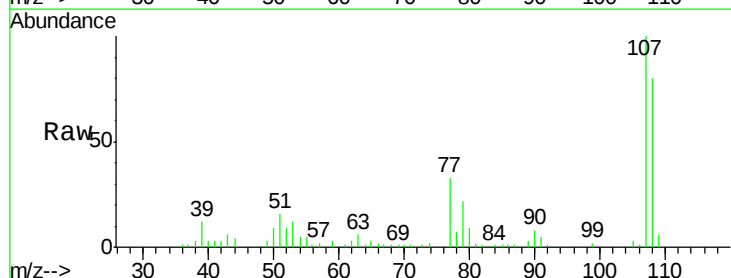
Ion Ratio Lower Upper

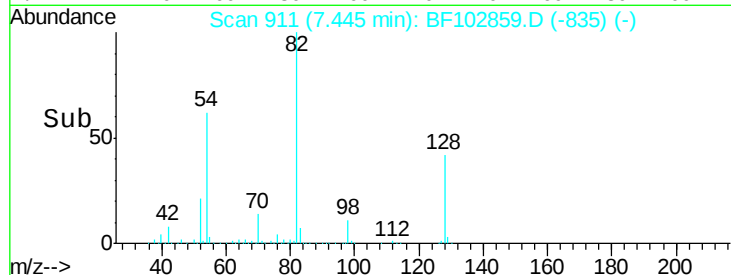
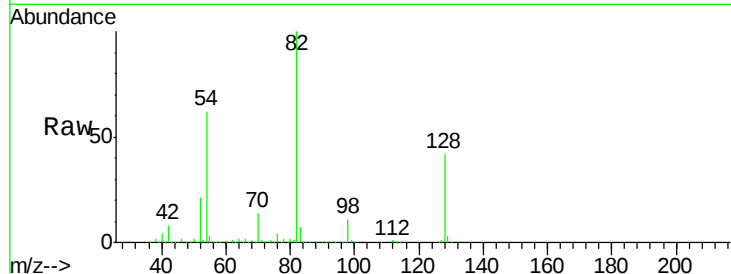
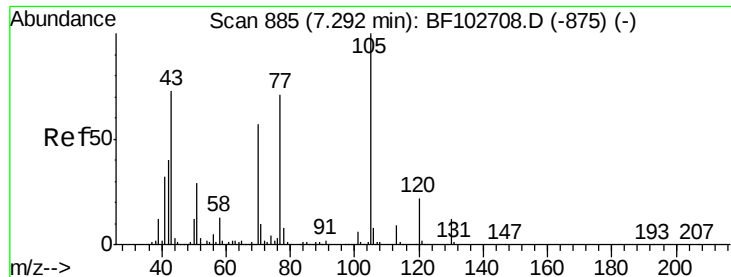
107 100

108 79.7 91.7 137.5#

77 33.1 33.8 50.8#

79 21.8 33.8 50.8#

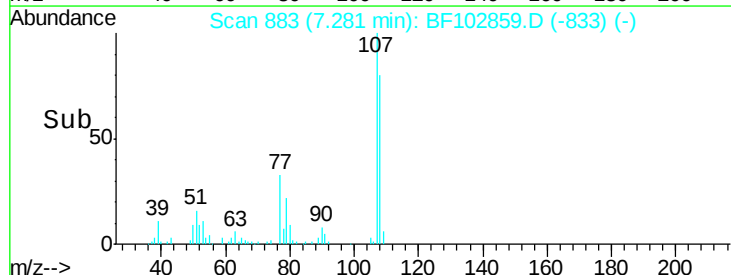
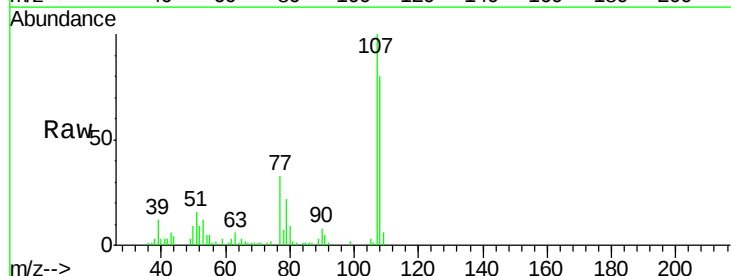
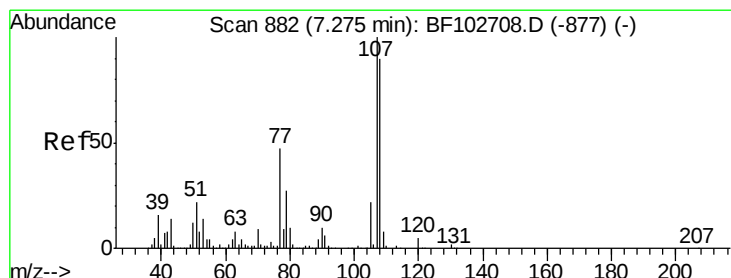
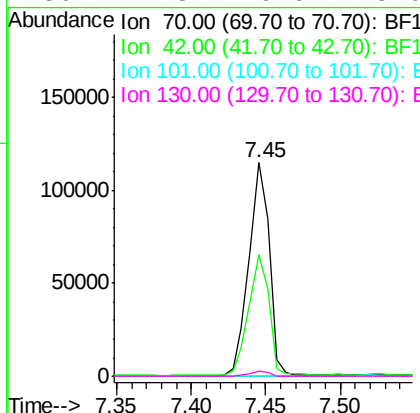




#19
n-Nitroso-di-n-propylamine
Concen: 11.258 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

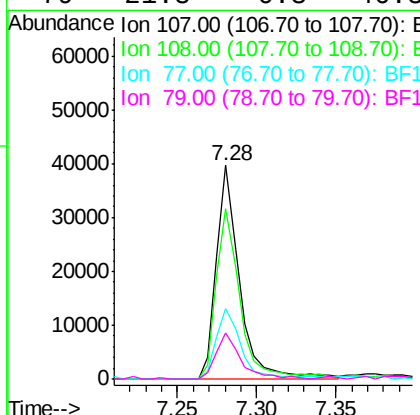
Instrument :
BNA_F
ClientSampleId :

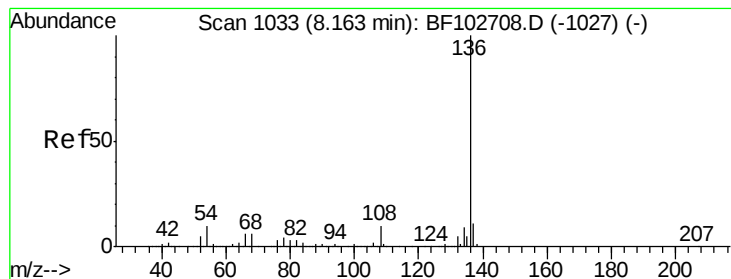
Tot Ion: 70 Resp: 110366
Ion Ratio Lower Upper
70 100
42 56.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#20
3+4-Methylphenols
Concen: 2.800 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Tgt Ion:107 Resp: 40494
Ion Ratio Lower Upper
107 100
108 79.7 68.2 108.2
77 33.1 26.7 66.7
79 21.8 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 730293

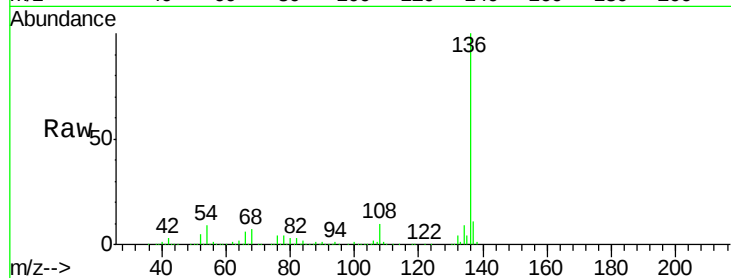
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

68 6.5 5.0 7.4

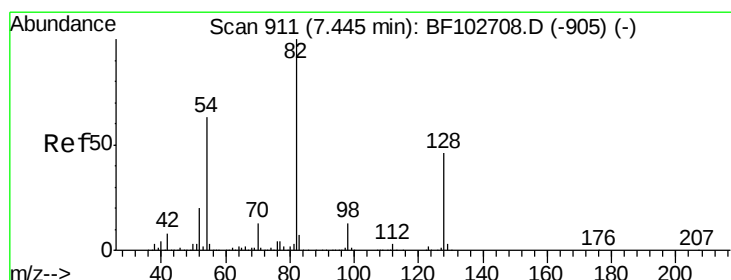
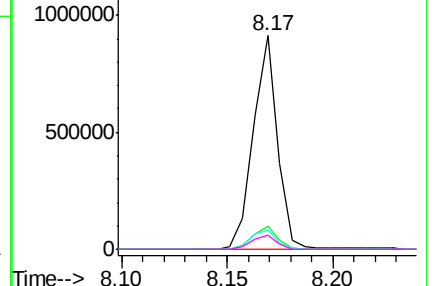
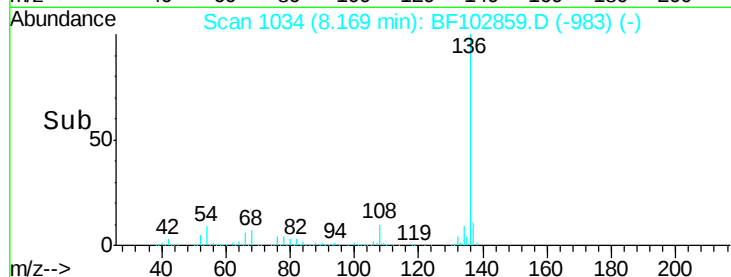


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.869 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

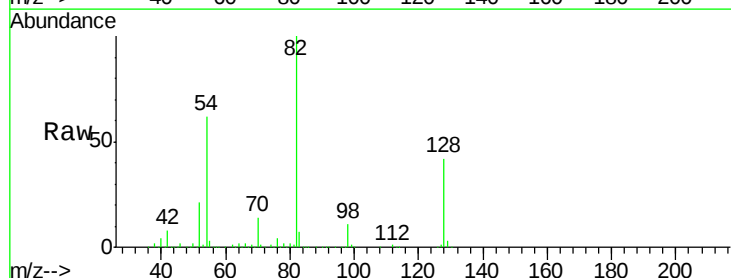
Tgt Ion: 82 Resp: 809234

Ion Ratio Lower Upper

82 100

128 42.2 36.1 54.1

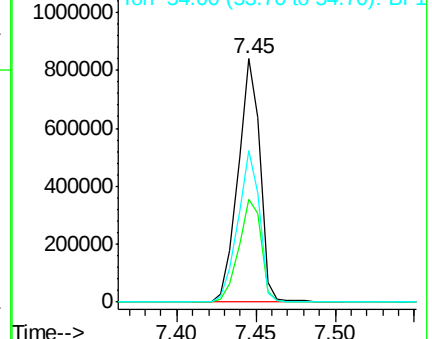
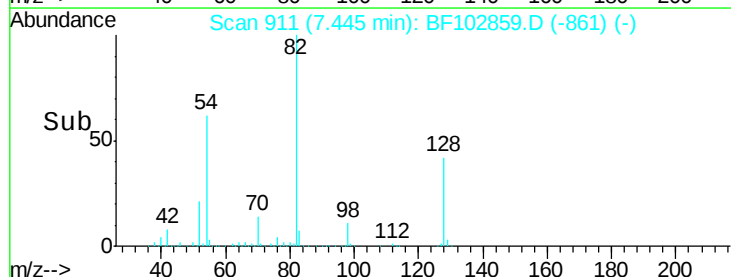
54 62.3 41.4 62.2#

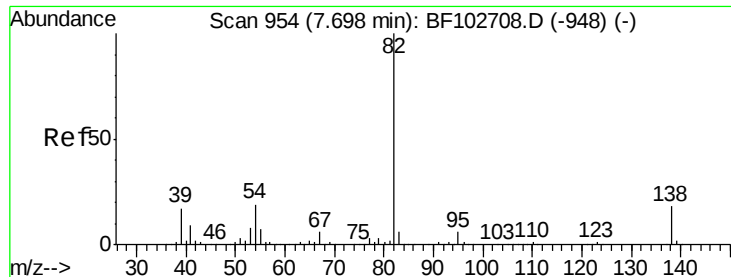


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

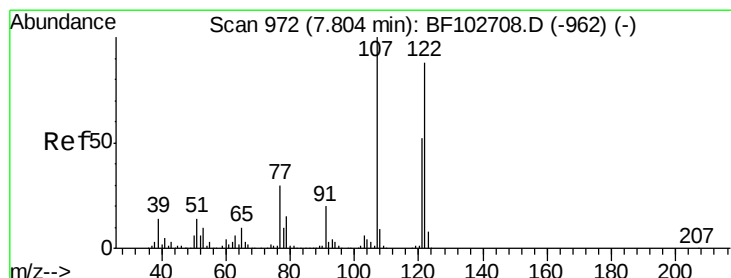
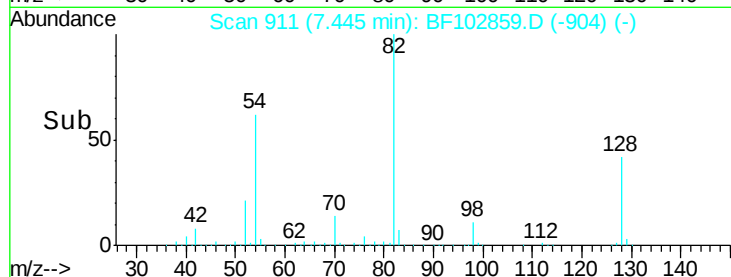
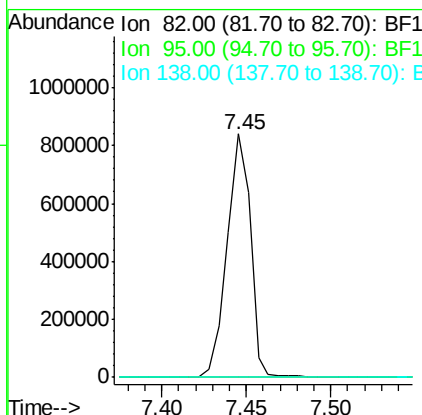
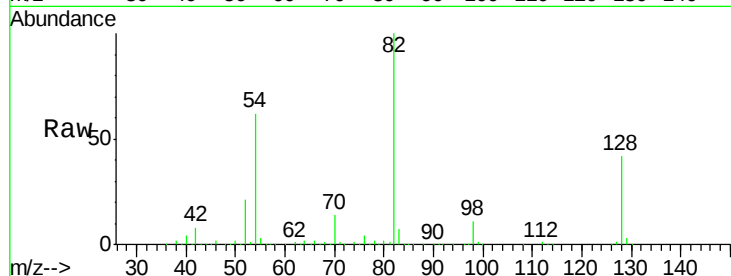




#25
Isophorone
Concen: 33.382 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

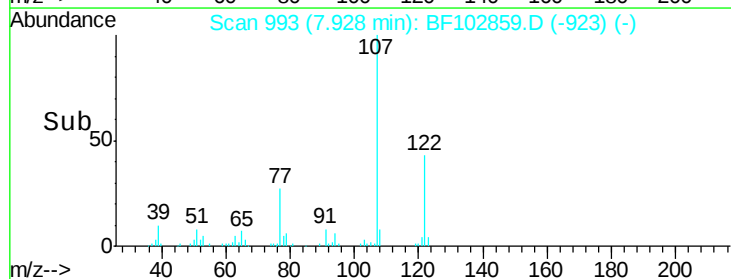
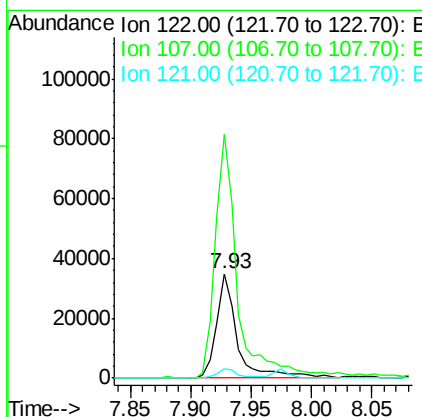
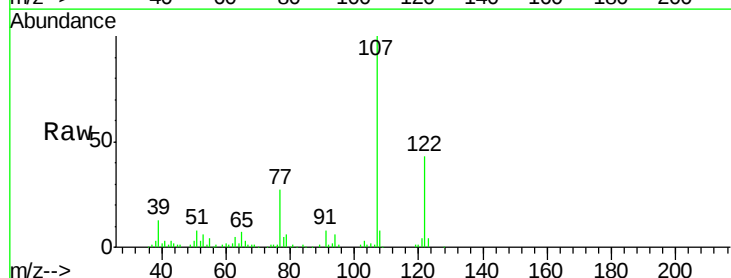
Instrument :
BNA_F
ClientSampled :

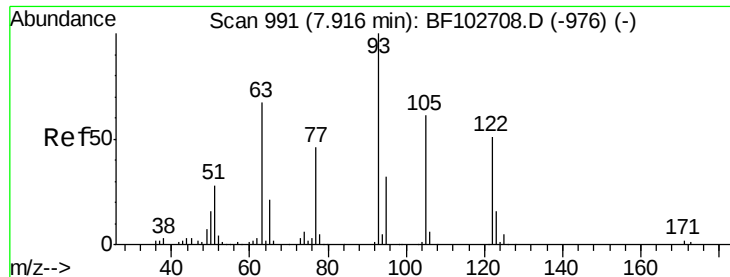
Tot Ion: 82 Resp: 809225
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#27
2,4-Dimethylphenol
Concen: 4.037 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.11 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Tgt Ion: 122 Resp: 41341
Ion Ratio Lower Upper
122 100
107 233.8 91.2 136.8#
121 9.2 47.2 70.8#

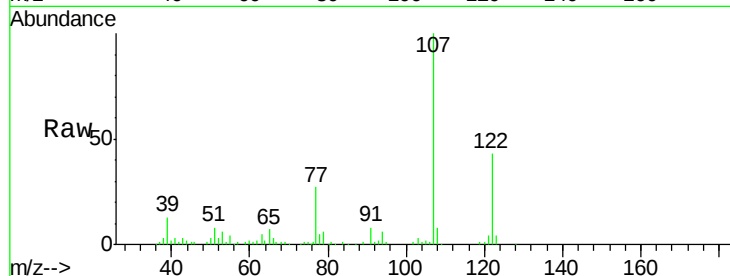




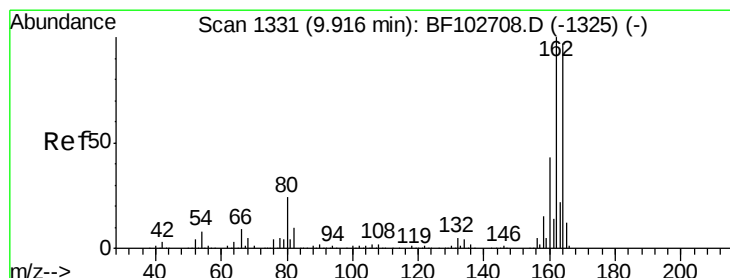
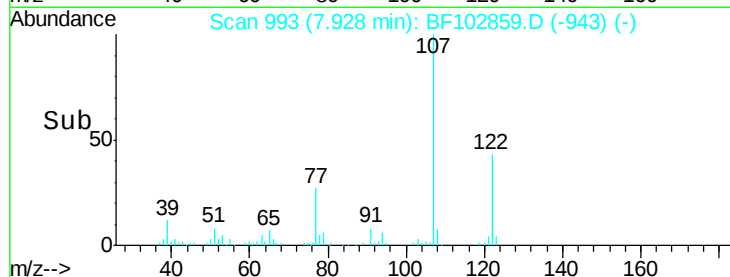
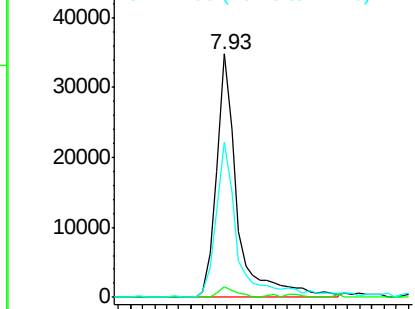
#32
Benzoic acid
Concen: 13.950 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 41341
Ion Ratio Lower Upper
122 100
105 4.3 101.1 141.1#
77 64.0 70.7 110.7#

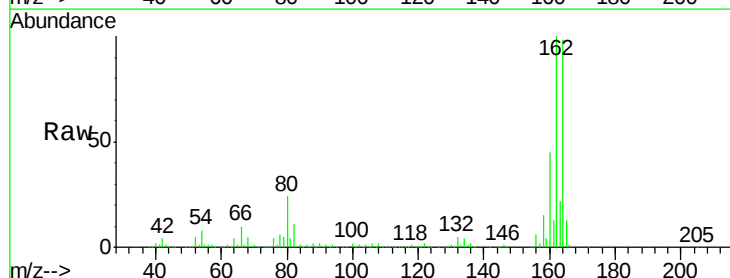


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

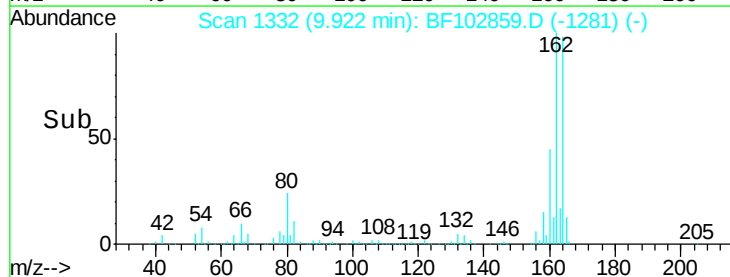
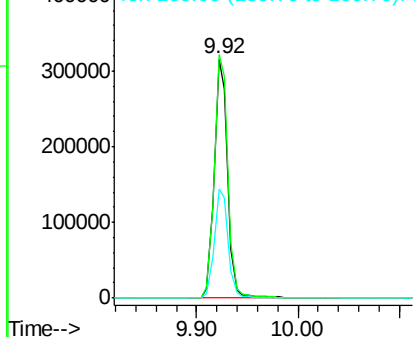


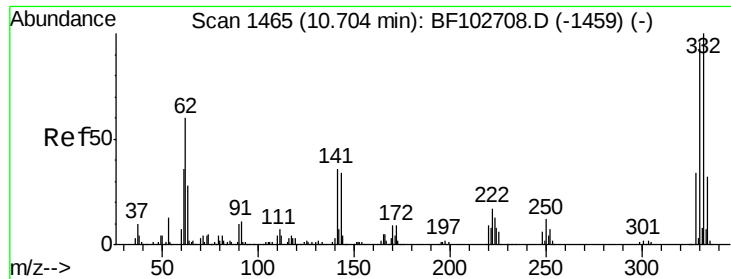
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Tgt Ion:164 Resp: 291357
Ion Ratio Lower Upper
164 100
162 101.9 86.1 129.1
160 45.9 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

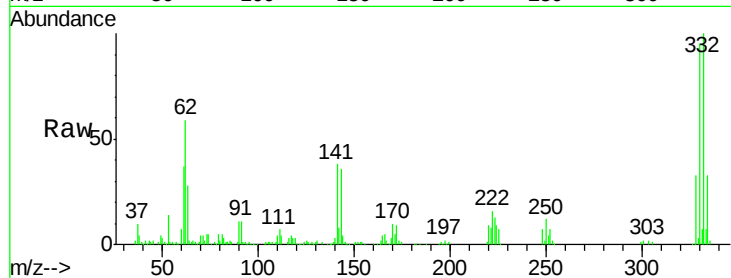




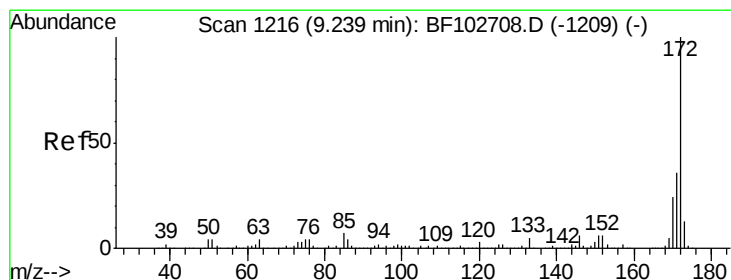
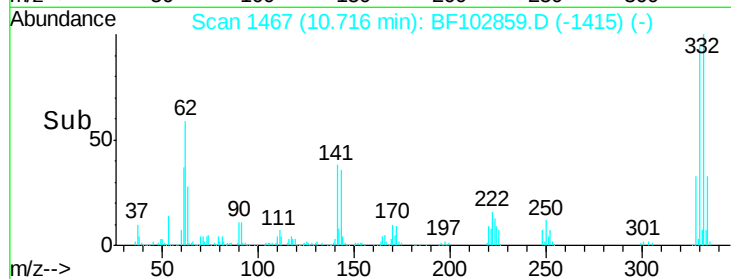
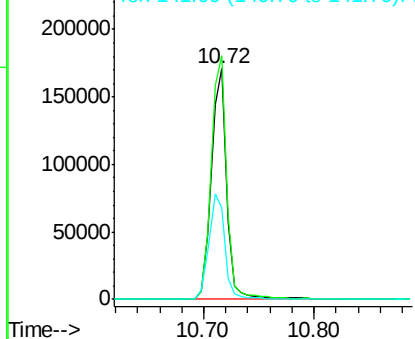
#41
 2,4,6-Tribromophenol
 Concen: 68.970 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 161741
 Ion Ratio Lower Upper
 330 100
 332 106.5 77.0 115.6
 141 47.5 29.9 44.9#

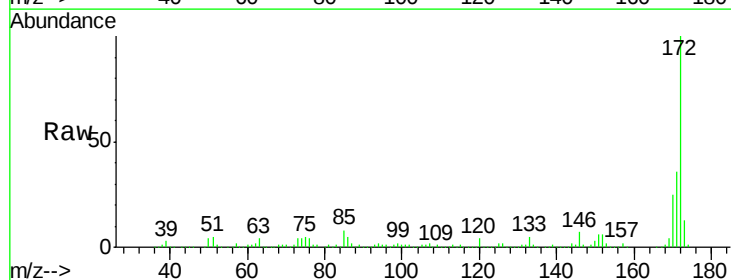


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

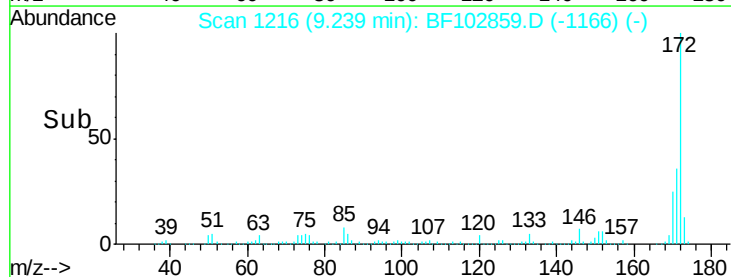
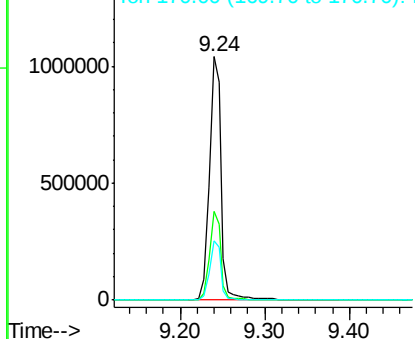


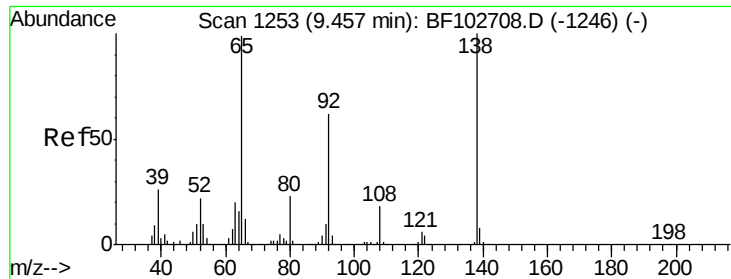
#44
 2-Fluorobiphenyl
 Concen: 58.275 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

Tgt Ion:172 Resp: 1023225
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.5 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: 3.490 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.05 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

Instrument :

BNA_F

ClientSampleId :

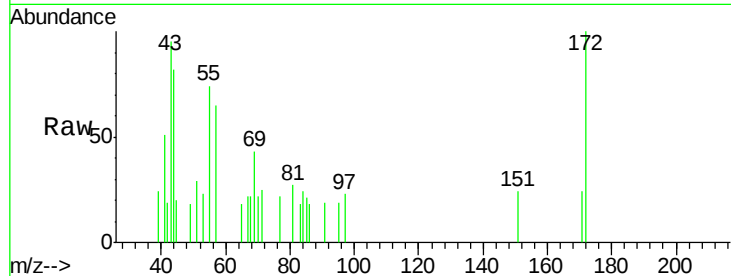
Tot Ion: 65 Resp: 112

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#

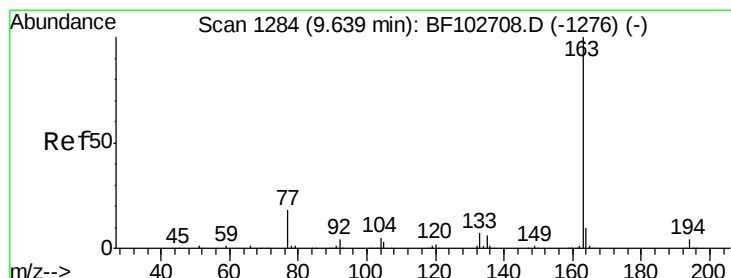
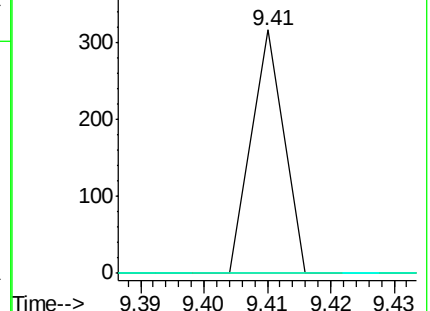
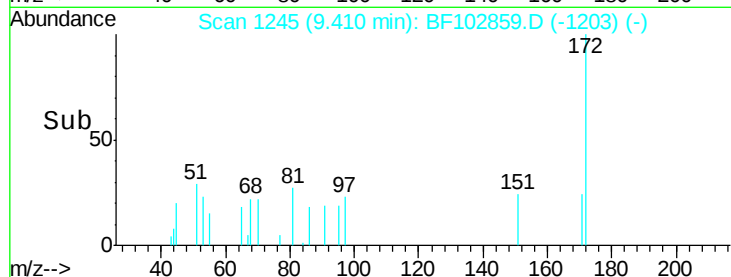


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#49

Dimethylphthalate

Concen: 4.525 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

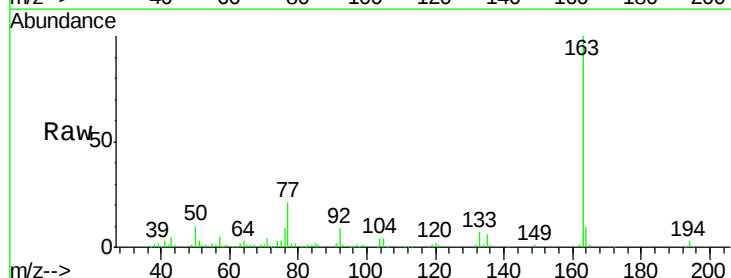
Tgt Ion: 163 Resp: 102802

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

164 9.8 8.2 12.2

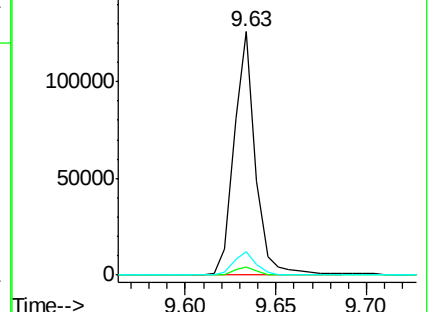
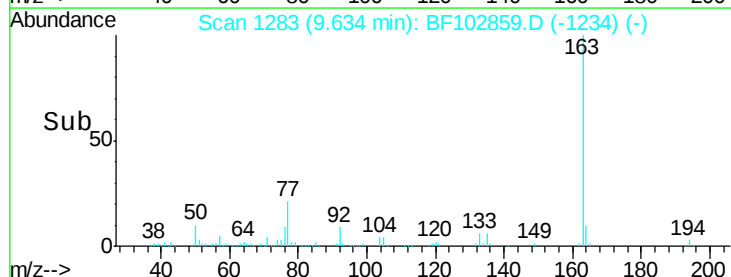


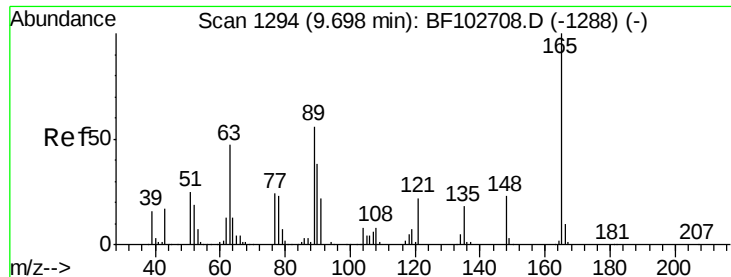
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->

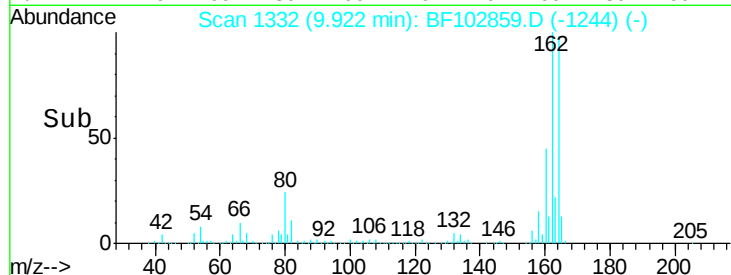
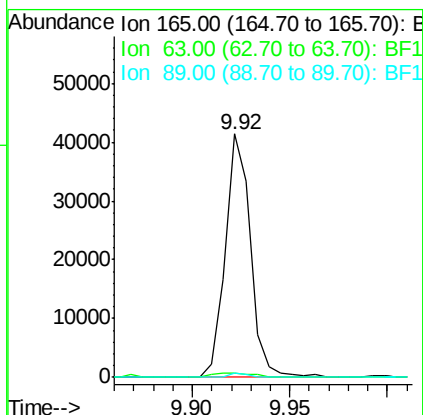
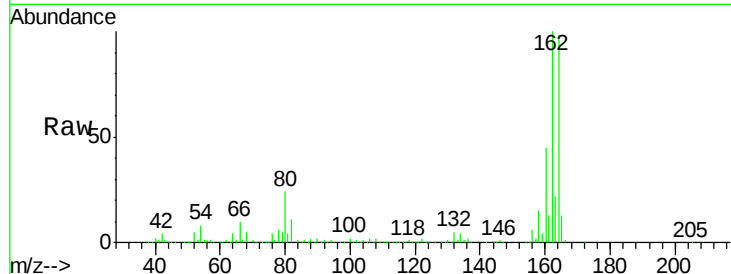




#50
 2,6-Dinitrotoluene
 Concen: 8.538 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

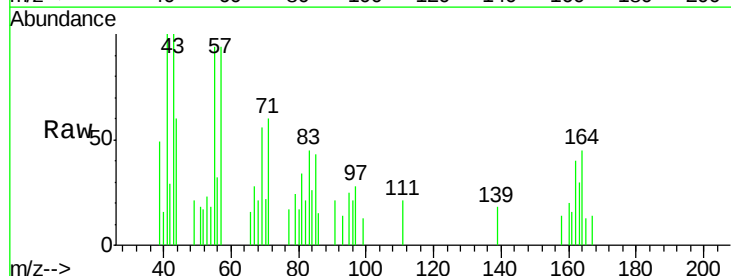
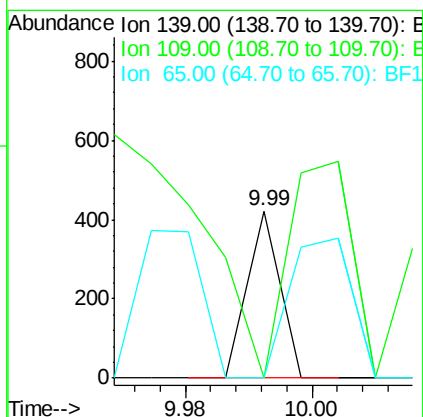
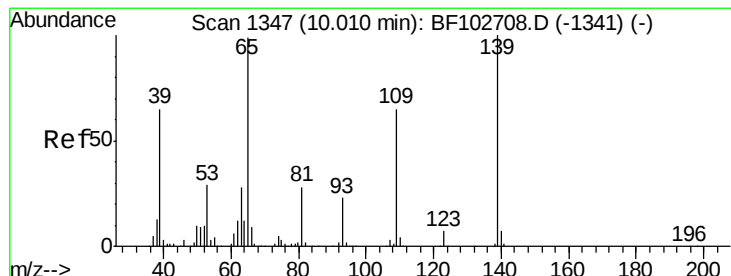
Instrument :
 BNA_F
 ClientSampled :

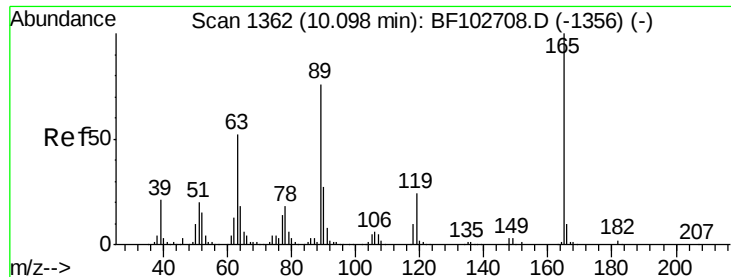
Tot Ion:165 Resp: 36902
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.7 67.1#
 89 1.6 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.056 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.03 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

Tgt Ion:139 Resp: 149
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

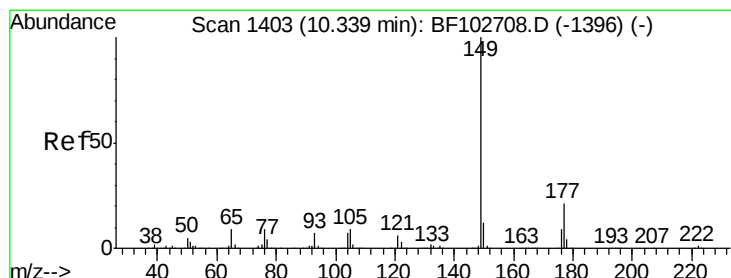
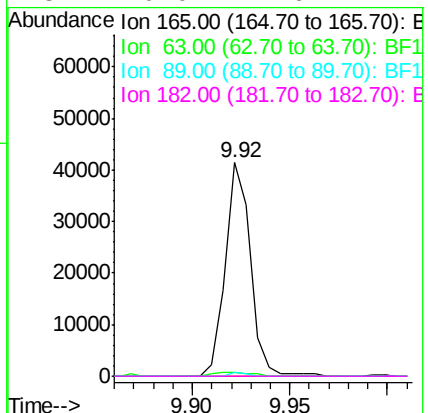
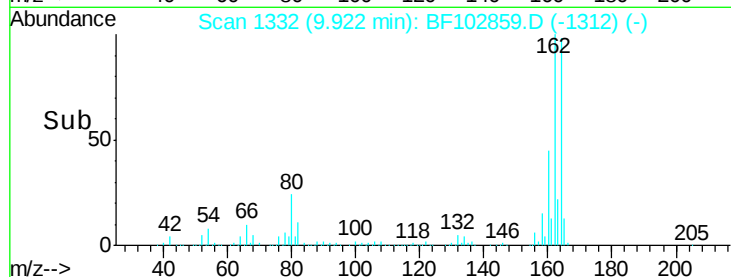
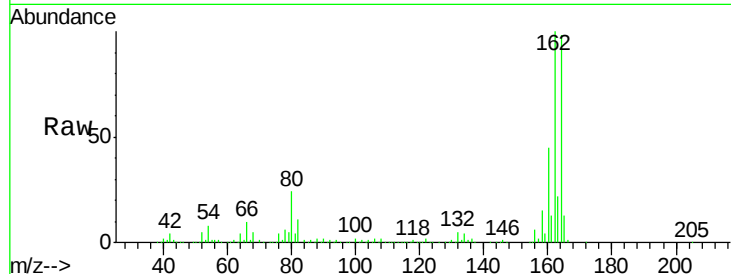




#56
2,4-Dinitrotoluene
Concen: 9.034 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

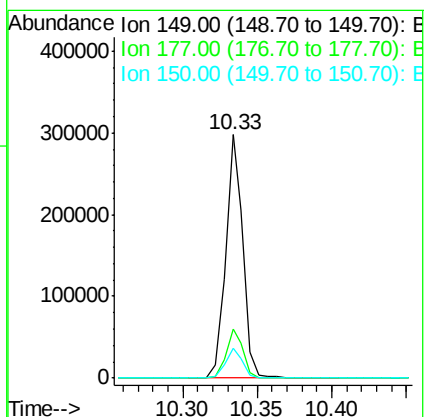
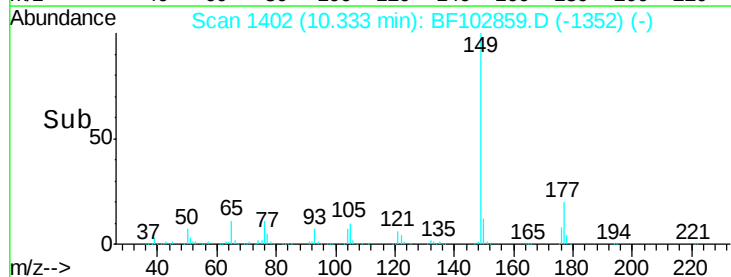
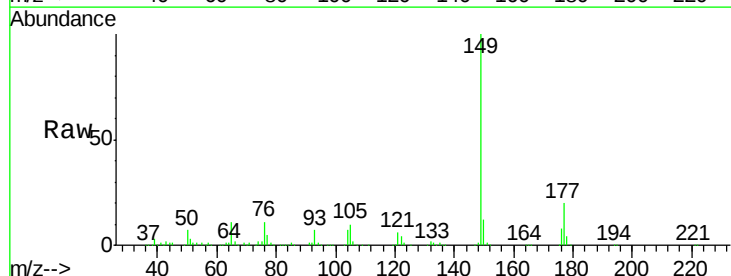
Instrument :
BNA_F
ClientSampleId :

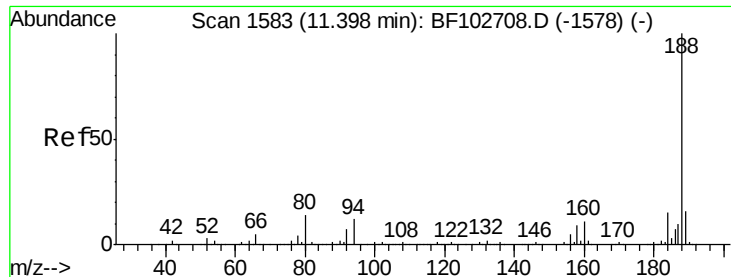
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#59
Diethylphthalate
Concen: 10.787 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.9	16.1	24.1
150	12.2	10.1	15.1

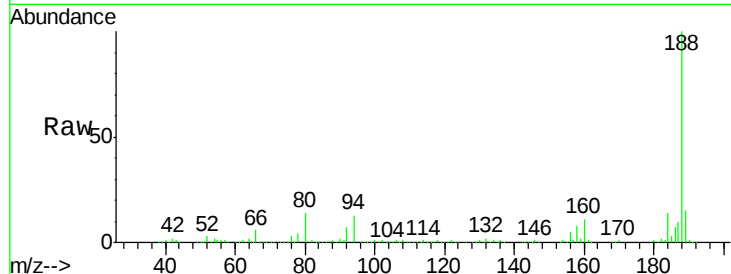




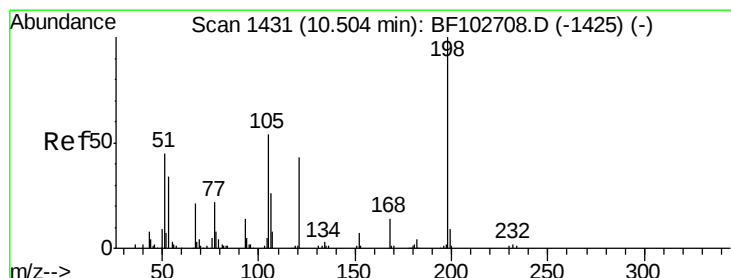
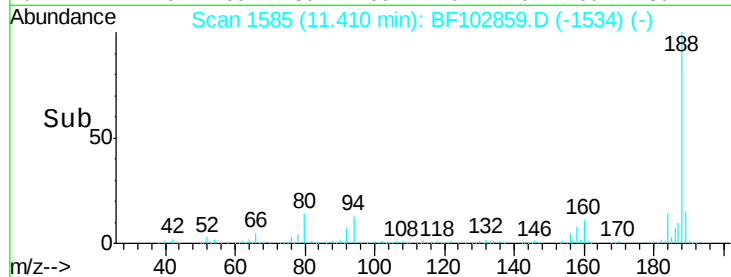
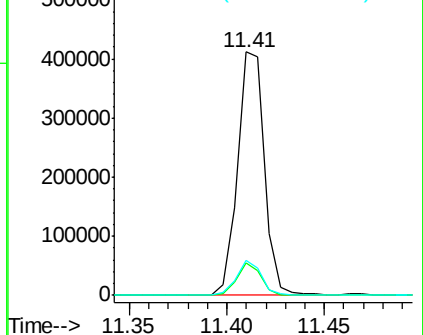
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 393093
 Ion Ratio Lower Upper
 188 100
 94 13.4 8.5 12.7#
 80 14.2 9.2 13.8#

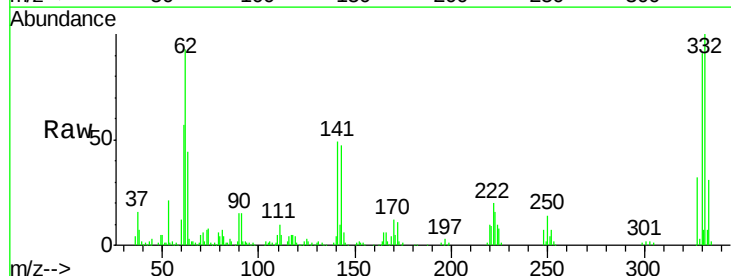


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

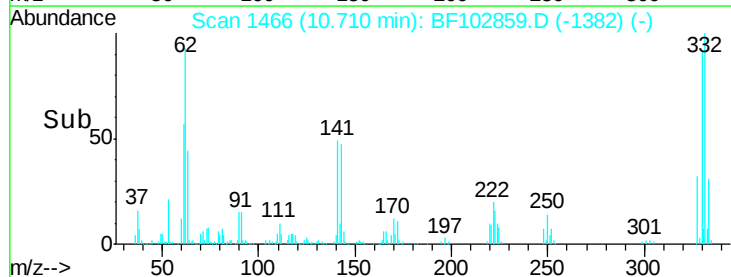
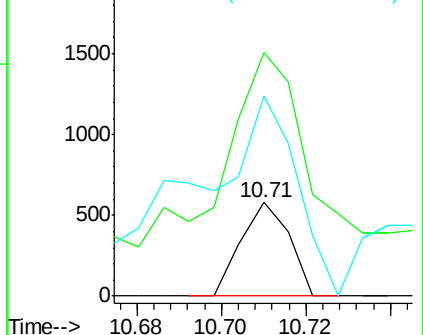


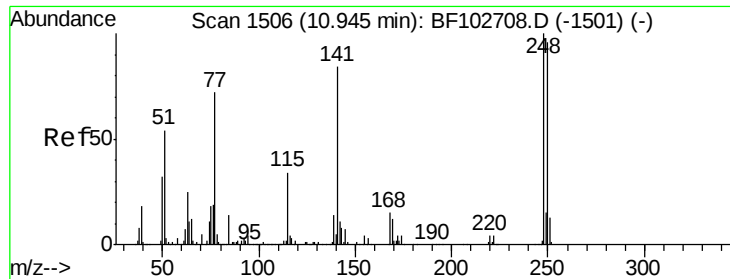
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.051 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

Tgt Ion:198 Resp: 458
 Ion Ratio Lower Upper
 198 100
 51 260.4 37.7 77.7#
 105 214.5 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

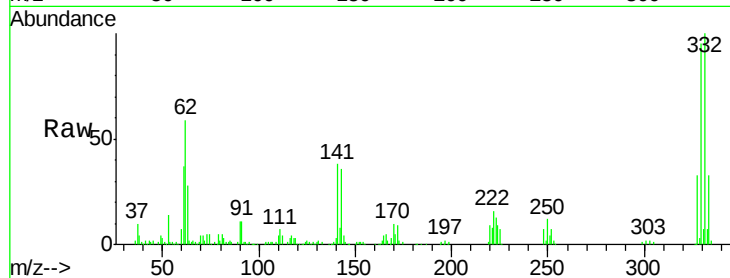




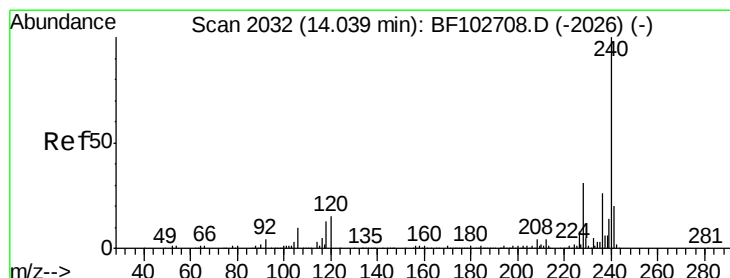
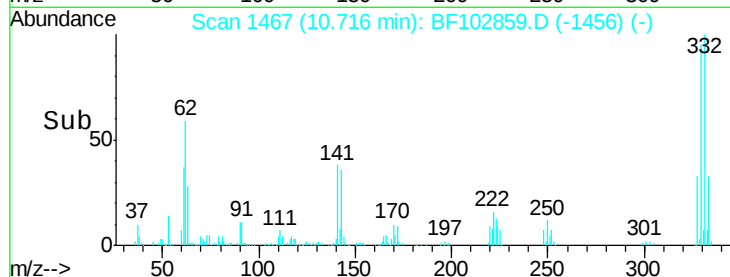
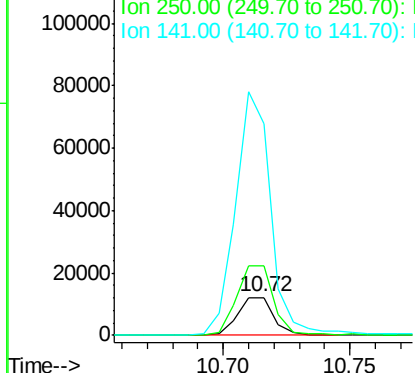
#66
 4-Bromophenyl-phenylether
 Concen: 2.866 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11916
 Ion Ratio Lower Upper
 248 100
 250 183.7 76.9 115.3#
 141 562.1 74.4 111.6#

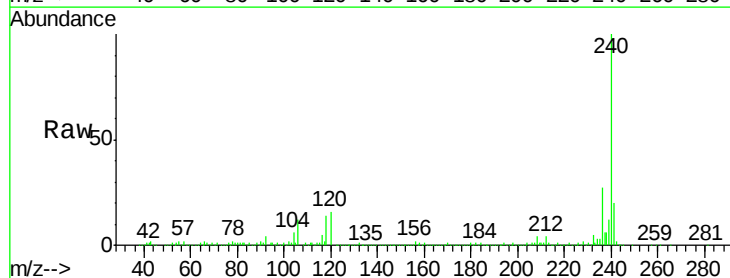


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

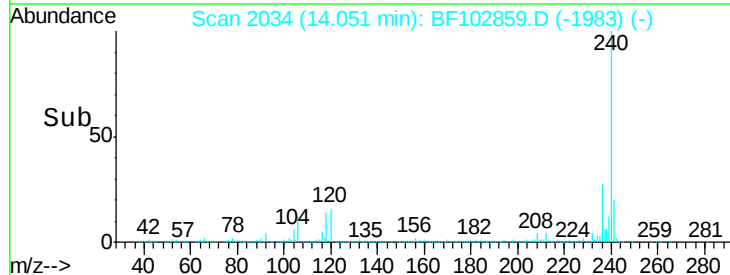
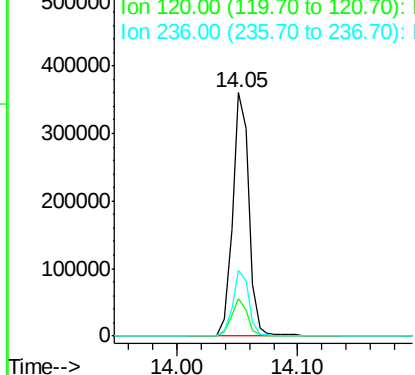


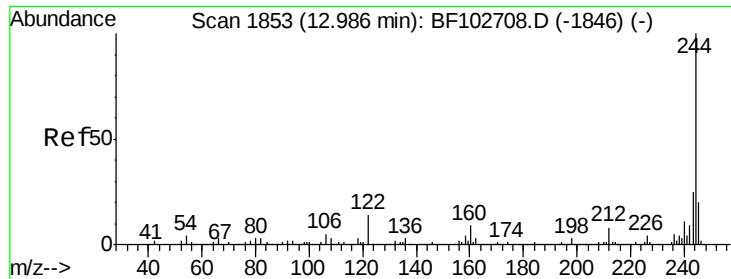
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF102859.D
 Acq: 8 Feb 2018 16:39

Tgt Ion:240 Resp: 339093
 Ion Ratio Lower Upper
 240 100
 120 15.6 9.5 14.3#
 236 26.9 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: 41.156 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

Instrument :

BNA_F

ClientSampleId :

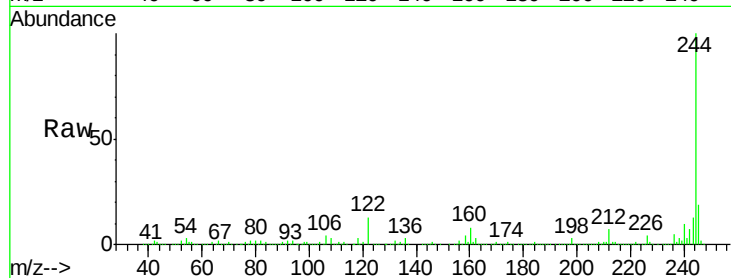
Tot Ion:244 Resp: 589407

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

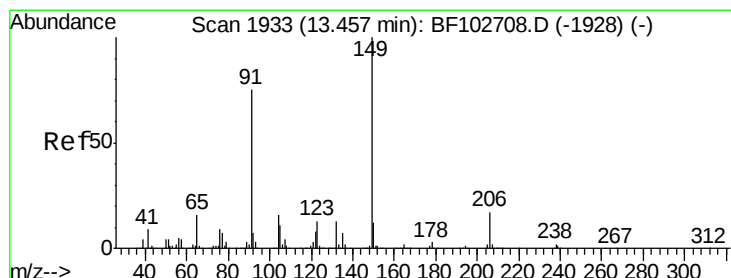
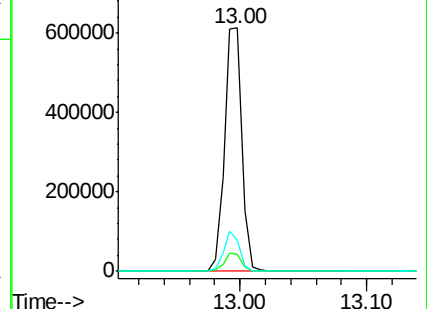
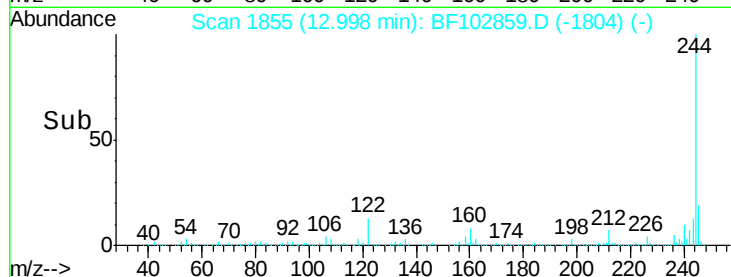
122 12.8 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 4.476 ng

RT: 13.47 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BF102859.D

Acq: 8 Feb 2018 16:39

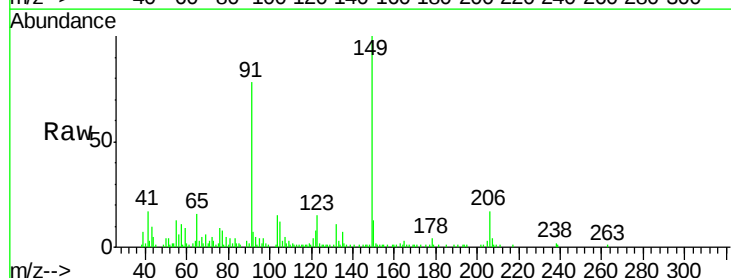
Tgt Ion:149 Resp: 44858

Ion Ratio Lower Upper

149 100

91 78.4 56.8 85.2

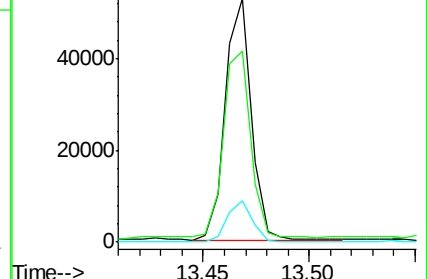
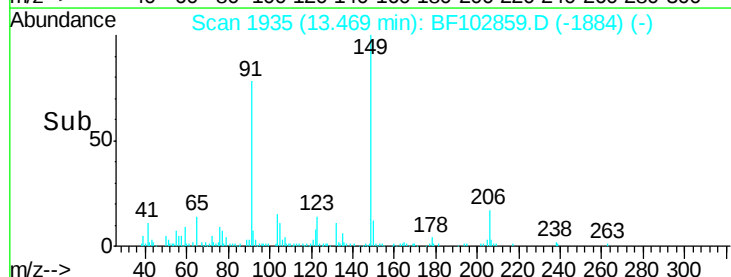
206 17.0 14.1 21.1

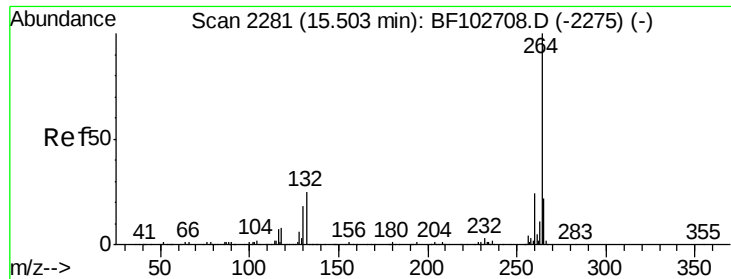


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

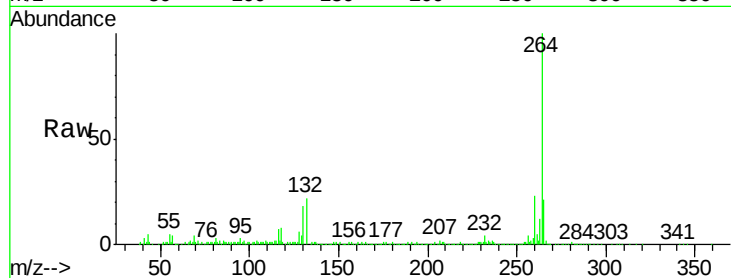




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102859.D
Acq: 8 Feb 2018 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	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

