

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102636.D
 Acq On : 30 Jan 2018 13:48
 Operator : SJ/JU
 Sample : J1345-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

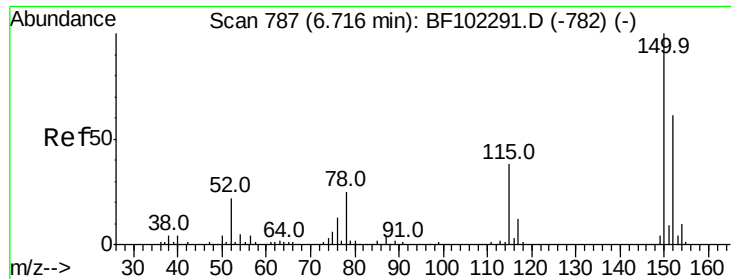
Quant Time: Jan 30 22:16:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	154062	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	653029	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	292499	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	526356	20.00	ng	0.00
75) Chrysene-d12	13.87	240	462405	20.00	ng	0.00
86) Perylene-d12	15.30	264	409852	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1159848	114.15	ng	0.02
7) Phenol-d6	6.36	99	1309774	106.92	ng	0.00
23) Nitrobenzene-d5	7.28	82	992060	87.30	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	344854	118.99	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1790073	89.98	ng	0.00
78) Terphenyl-d14	12.82	244	1704509	83.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	38595	2.886	ng	# 75
17) 2-Methylphenol	7.14	107	94594	10.226	ng	# 72
19) n-Nitroso-di-n-propylamine	7.28	70	134872	17.992	ng	# 79
20) 3+4-Methylphenols	7.14	107	96715	8.890	ng	# 88
25) Isophorone	7.28	82	992054	48.970	ng	# 64
27) 2,4-Dimethylphenol	7.78	122	29733	3.346	ng	# 5
32) Benzoic acid	7.78	122	29733	3.993	ng	# 97
50) 2,6-Dinitrotoluene	9.75	165	37553	7.204	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	37553	5.858	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	23104	4.078	ng	# 1
76) Benzidine	12.57	184	178145	11.468	ng	# 98

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

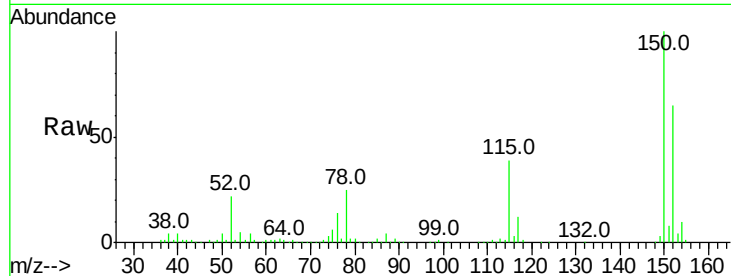


#1

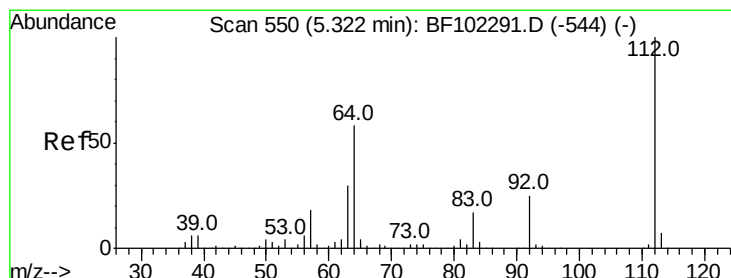
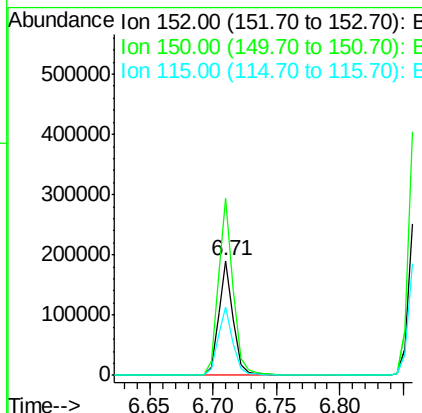
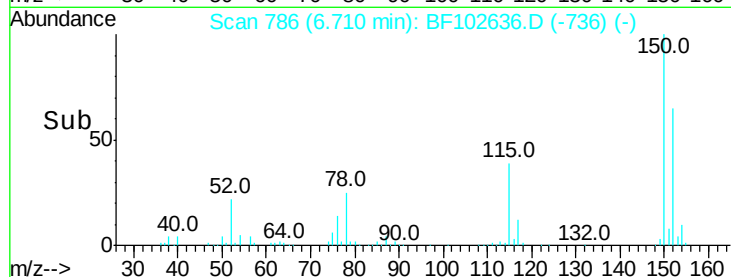
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102636.D
Acq: 30 Jan 2018 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154062
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 59.8 50.1 75.1



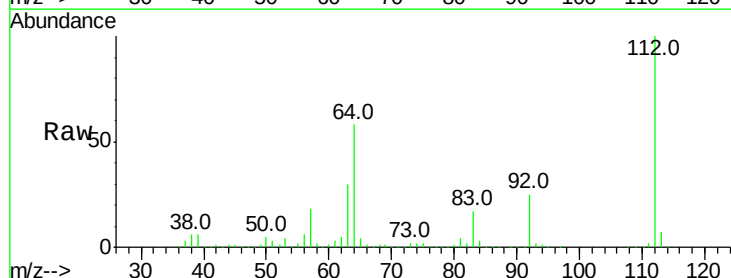
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



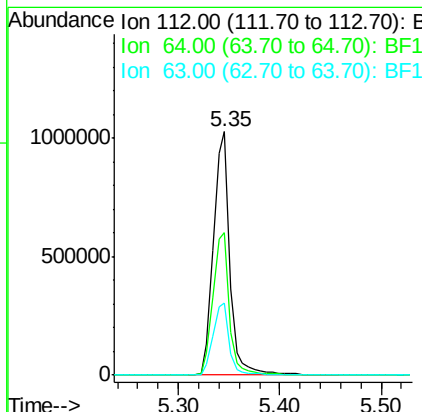
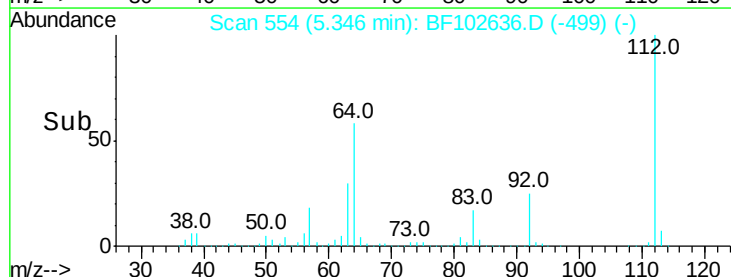
#5

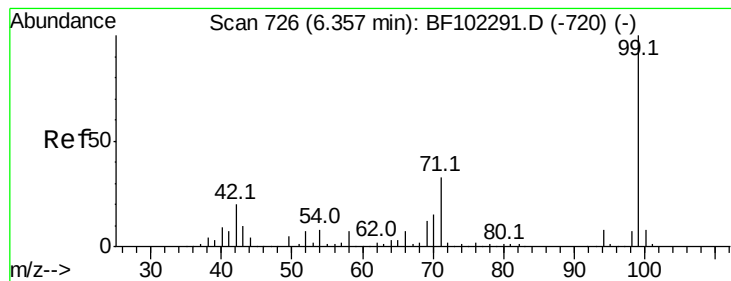
2-Fluorophenol
Concen: 114.151 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF102636.D
Acq: 30 Jan 2018 13:48

Tgt Ion:112 Resp: 1159848
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 29.6 23.7 35.5



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





#7

Phenol-d6

Concen: 106.924 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Instrument :

BNA_F

ClientSampled :

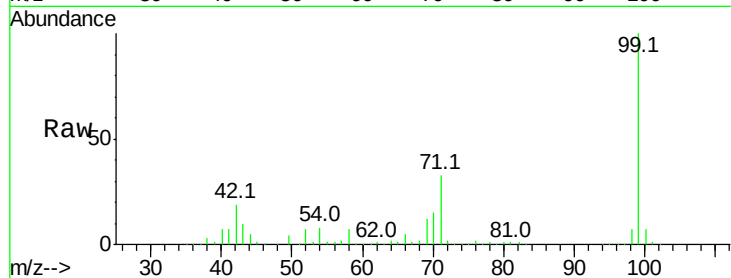
Tot Ion: 99 Resp: 1309774

Ion Ratio Lower Upper

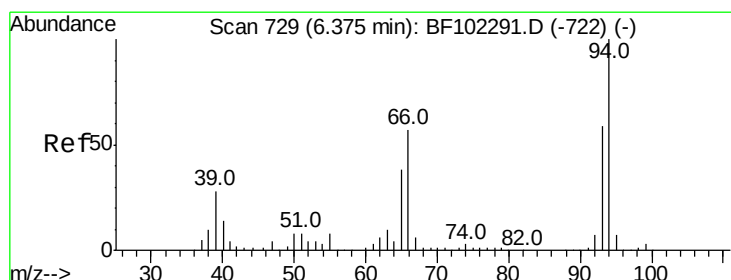
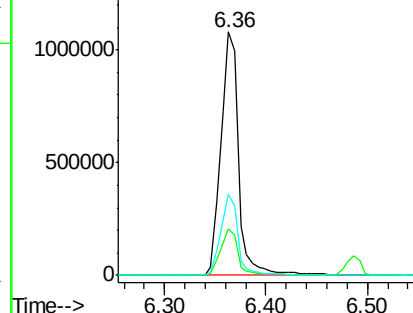
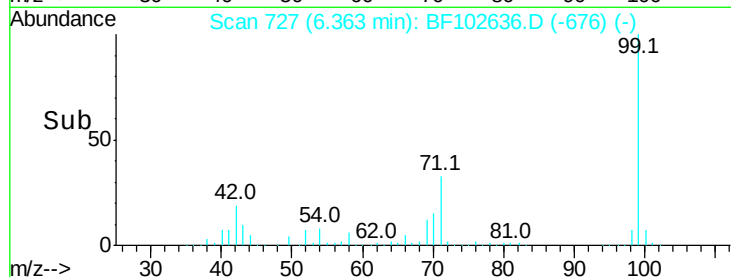
99 100

42 19.0 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



#10

Phenol

Concen: 2.886 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

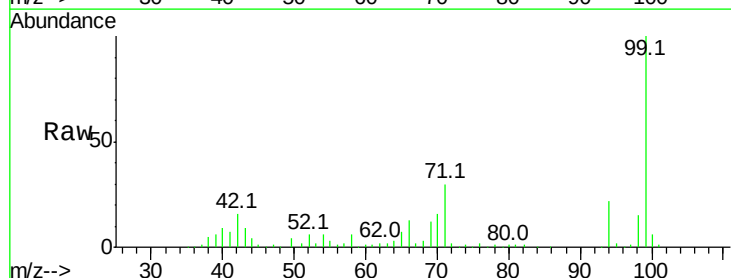
Tgt Ion: 94 Resp: 38595

Ion Ratio Lower Upper

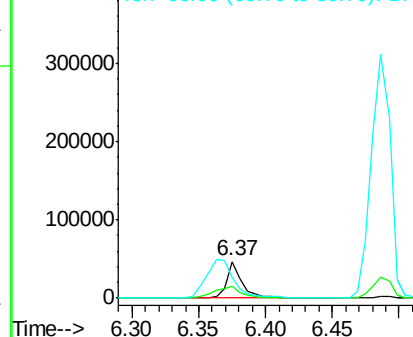
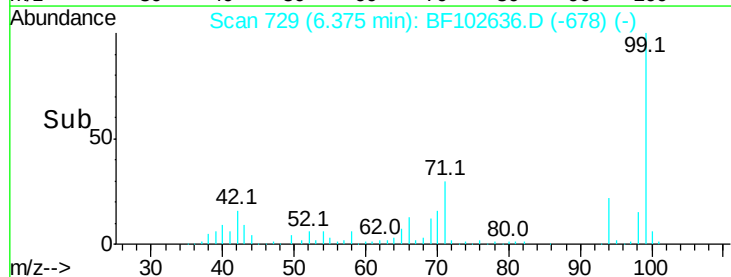
94 100

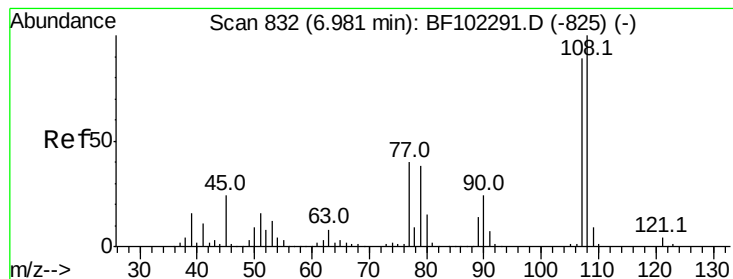
65 33.1 7.9 47.9

66 58.3 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





#17

2-Methylphenol

Concen: 10.226 ng

RT: 7.14 min Scan# 859

Delta R.T. 0.16 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 94594

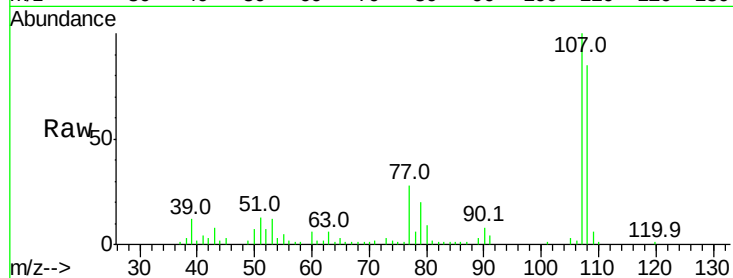
Ion Ratio Lower Upper

107 100

108 84.9 91.7 137.5#

77 27.8 33.8 50.8#

79 20.5 33.8 50.8#



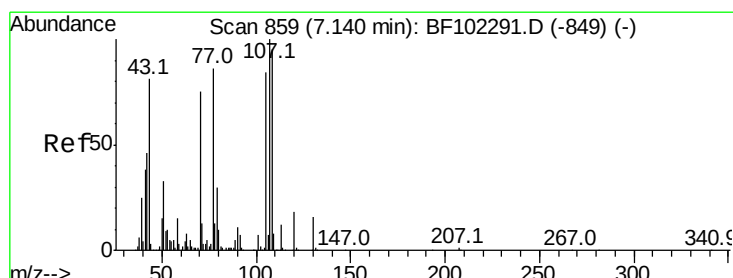
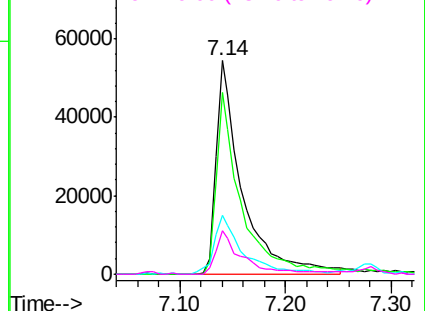
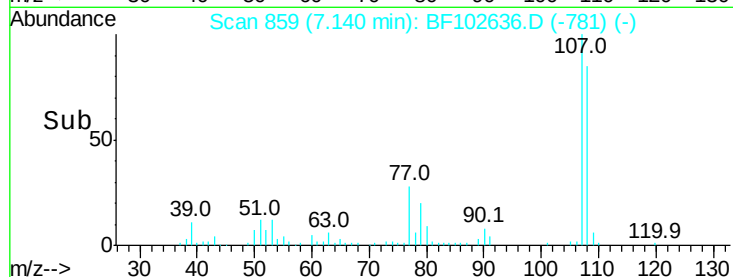
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 17.992 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Tgt Ion: 70 Resp: 134872

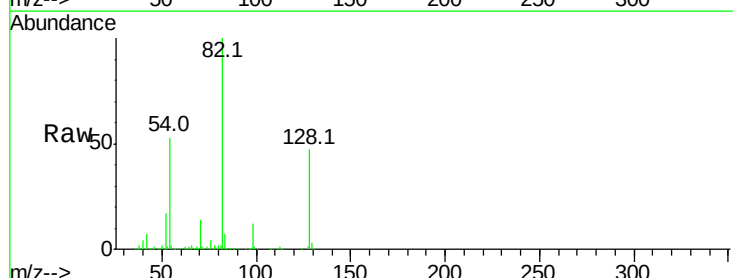
Ion Ratio Lower Upper

70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



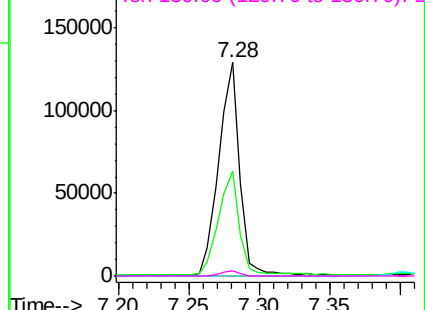
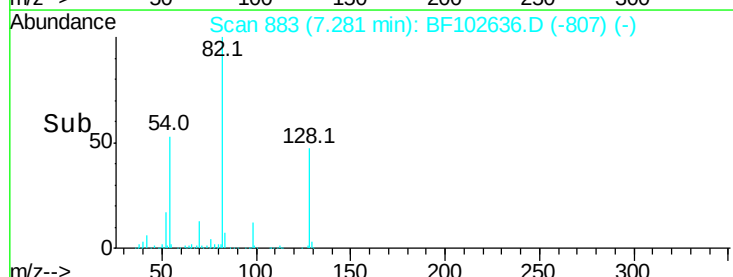
Abundance

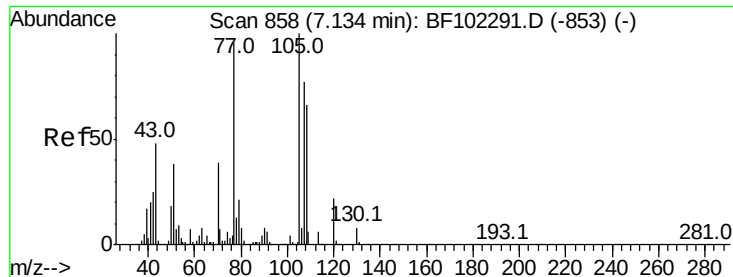
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 8.890 ng

RT: 7.14 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 96715

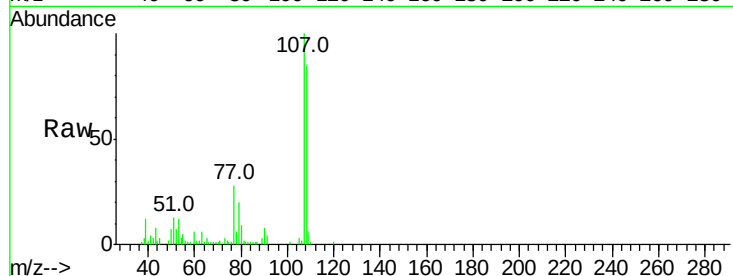
Ion Ratio Lower Upper

107 100

108 84.9 68.2 108.2

77 27.8 26.7 66.7

79 20.5 6.3 46.3

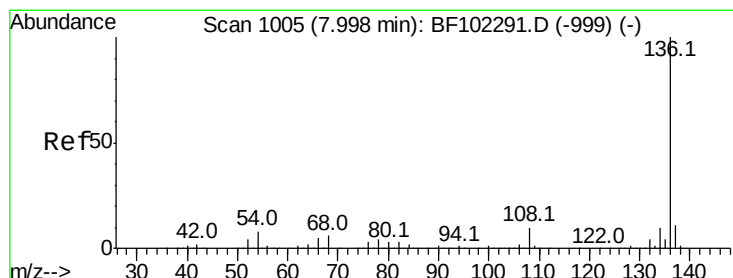
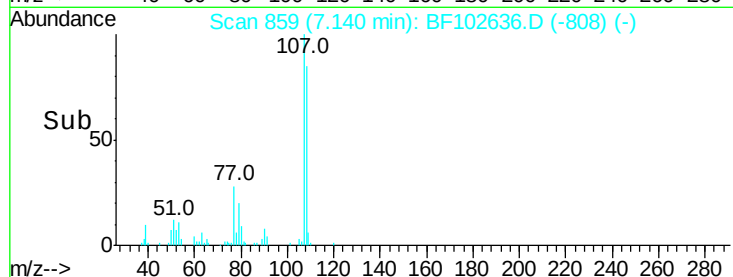
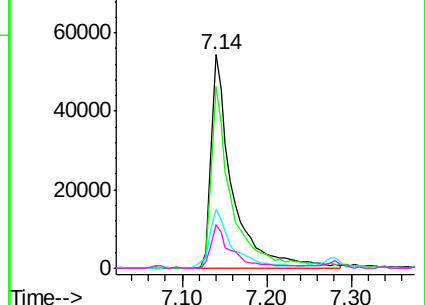


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Tgt Ion:136 Resp: 653029

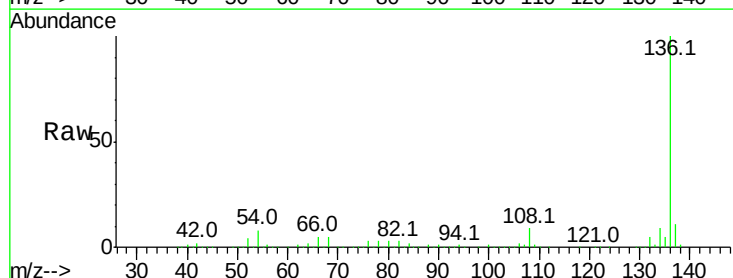
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 5.2 5.0 7.4

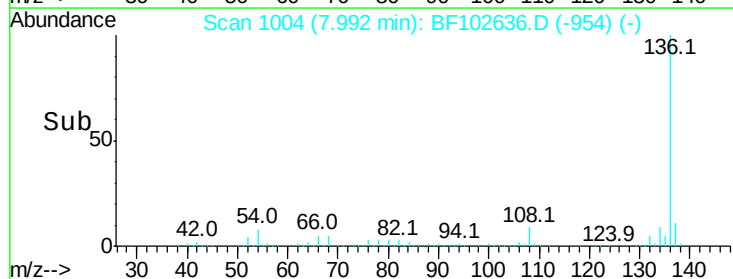
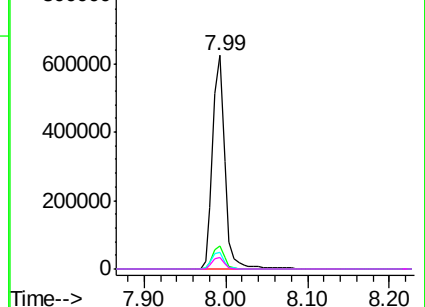


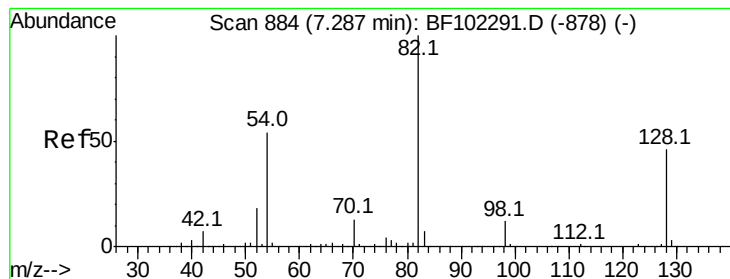
Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.302 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Instrument :

BNA_F

ClientSampled :

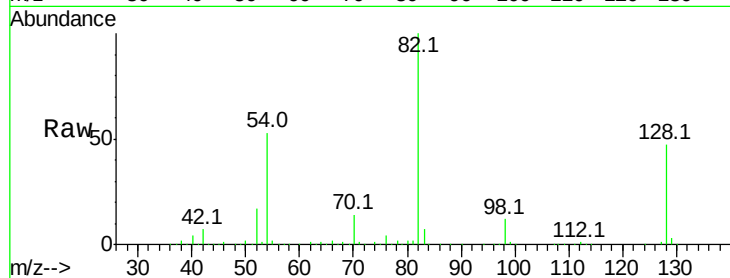
Tot Ion: 82 Resp: 992060

Ion Ratio Lower Upper

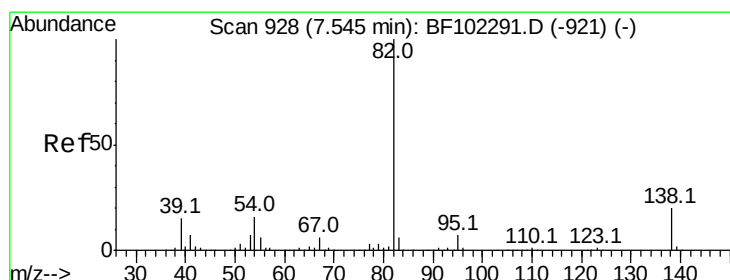
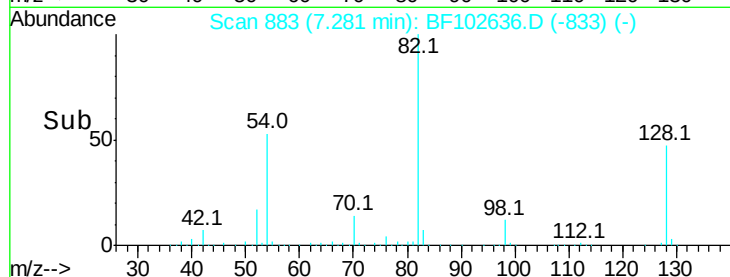
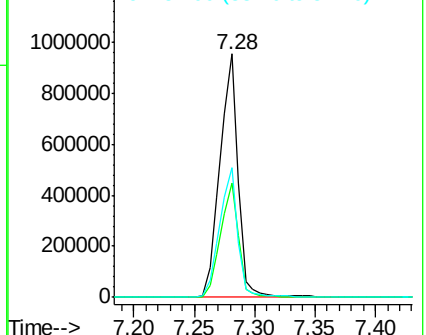
82 100

128 47.0 36.1 54.1

54 53.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 48.970 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

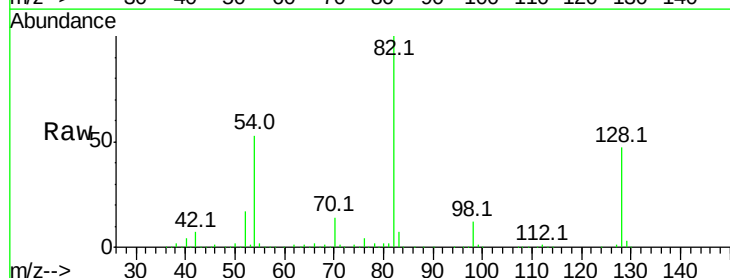
Tgt Ion: 82 Resp: 992054

Ion Ratio Lower Upper

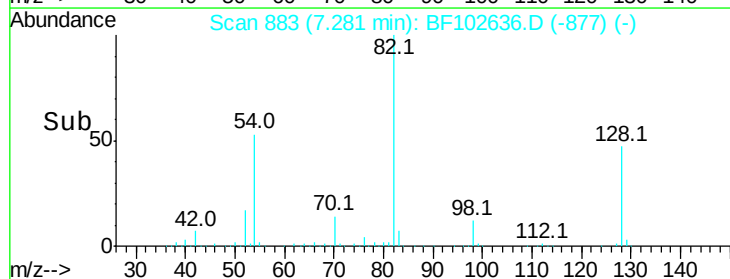
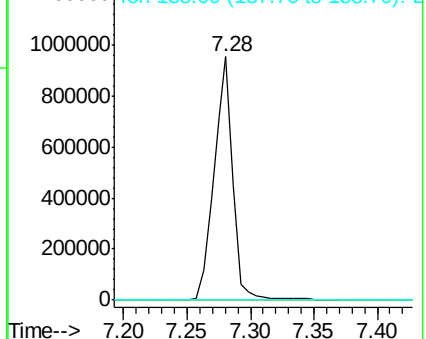
82 100

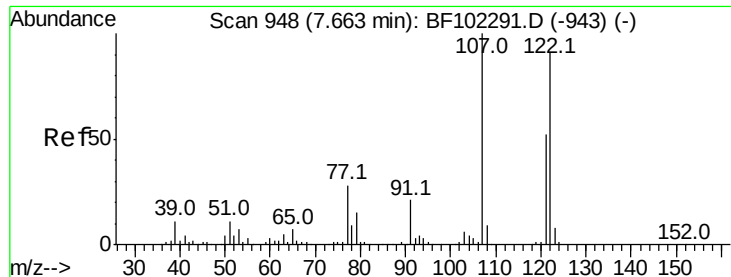
95 0.0 5.2 7.8#

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





#27

2,4-Dimethylphenol

Concen: 3.346 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.12 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Instrument :

BNA_F

ClientSampled :

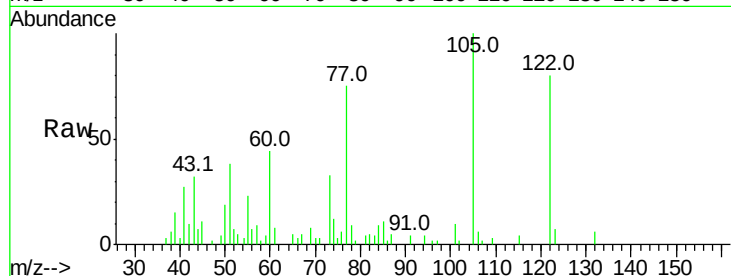
Tot Ion:122 Resp: 29733

Ion Ratio Lower Upper

122 100

107 2.8 91.2 136.8#

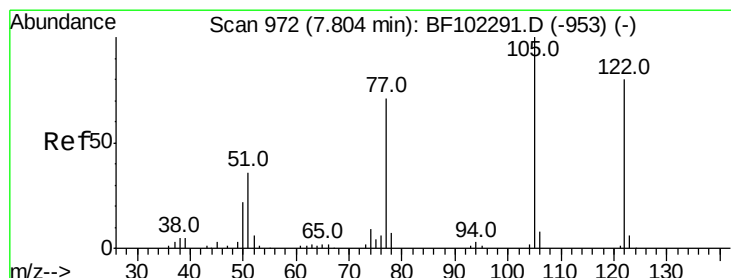
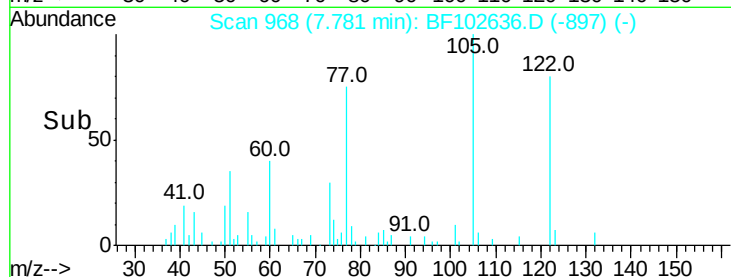
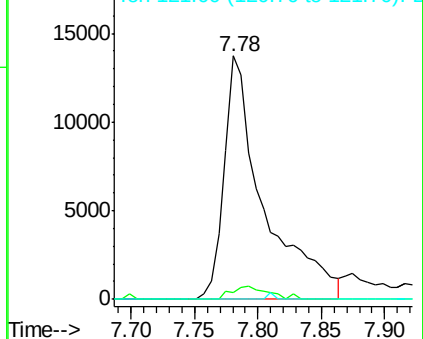
121 0.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 3.993 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.03 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

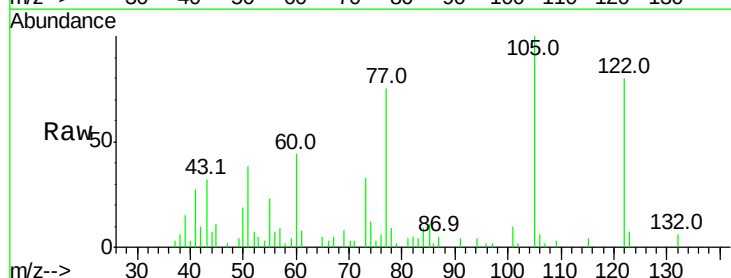
Tgt Ion:122 Resp: 29733

Ion Ratio Lower Upper

122 100

105 125.2 101.1 141.1

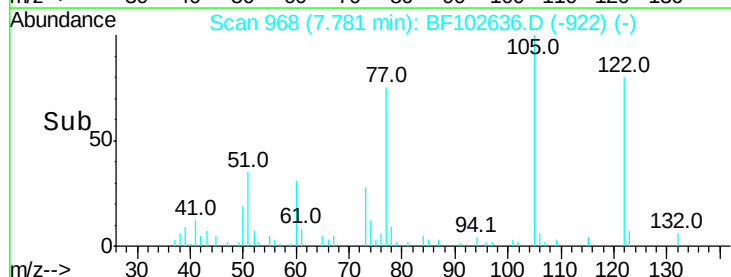
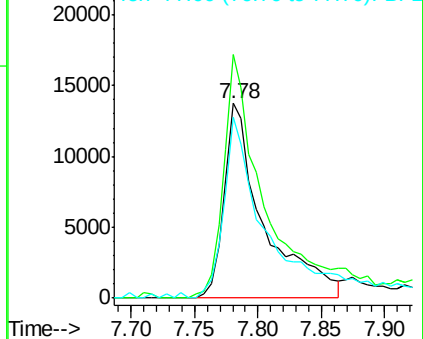
77 93.3 70.7 110.7

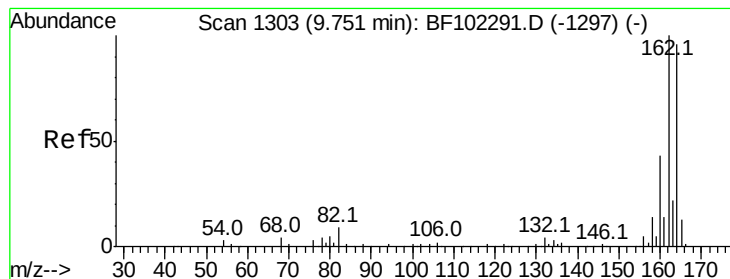


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Instrument :

BNA_F

ClientSampleId :

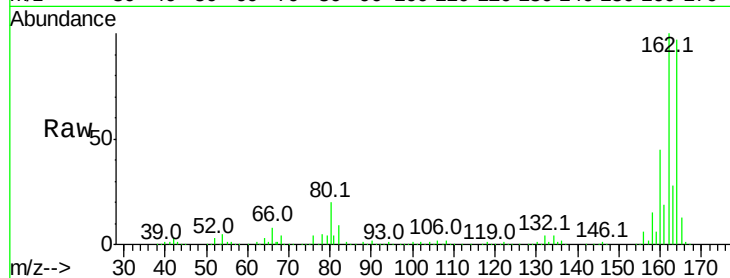
Tot Ion:164 Resp: 292499

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

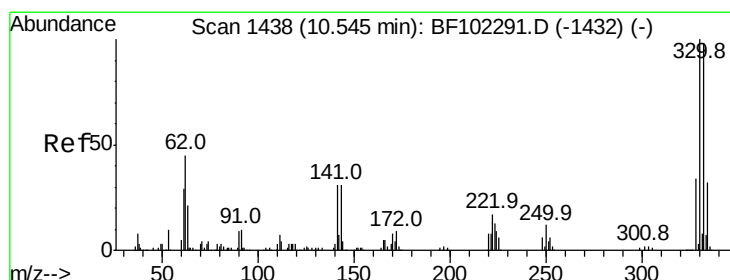
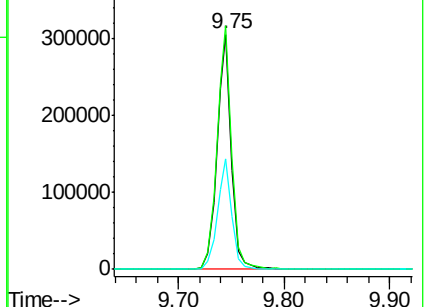
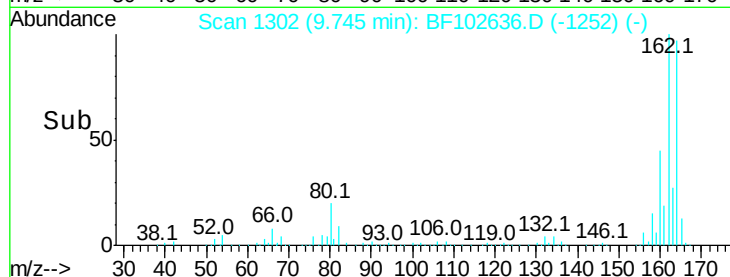
160 46.9 38.3 57.5



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: 118.987 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

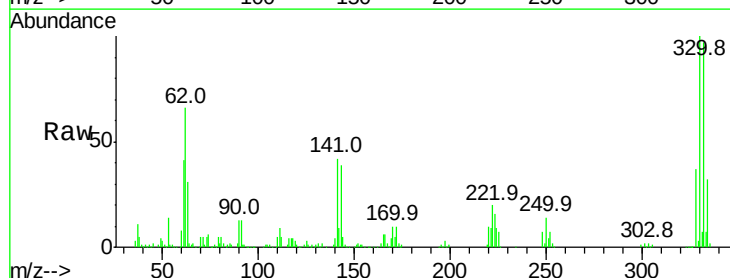
Tgt Ion:330 Resp: 344854

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

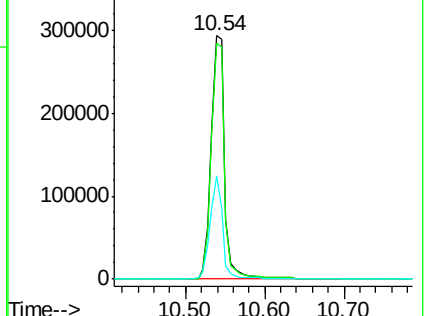
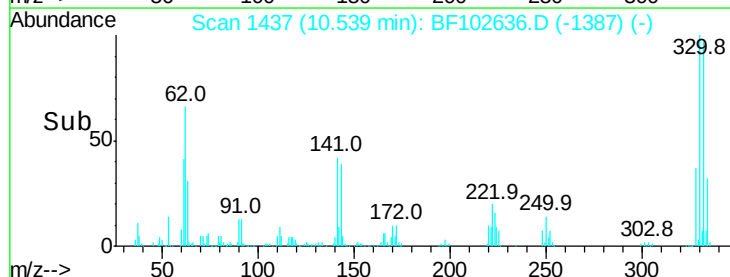
141 39.1 29.9 44.9

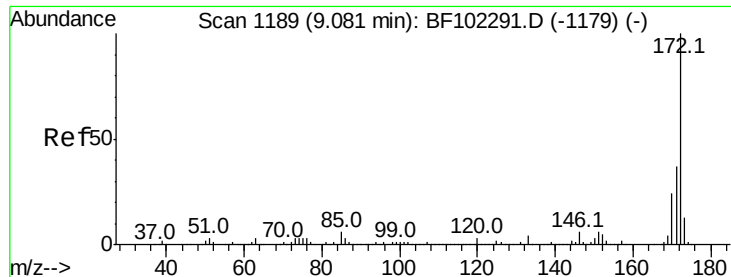


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



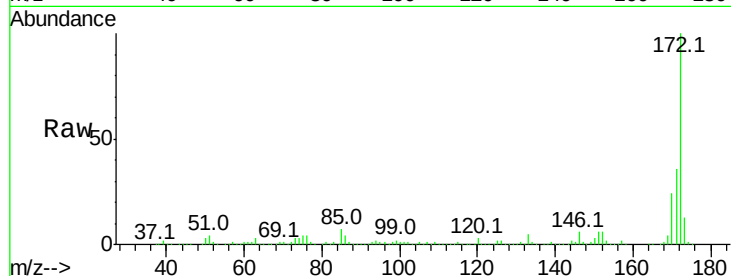


#44
 2-Fluorobiphenyl
 Concen: 89.985 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102636.D
 Acq: 30 Jan 2018 13:48

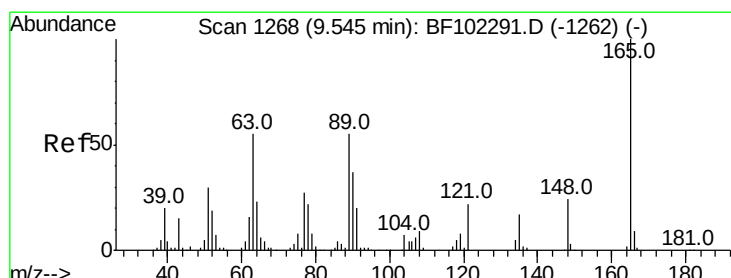
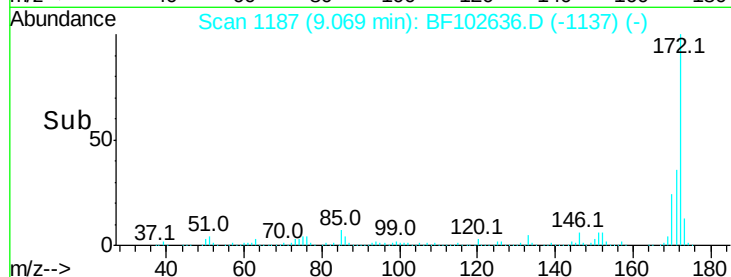
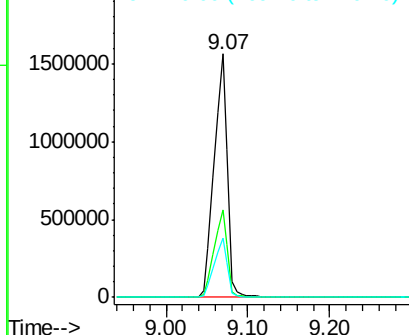
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1790073

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.2	19.6	29.4



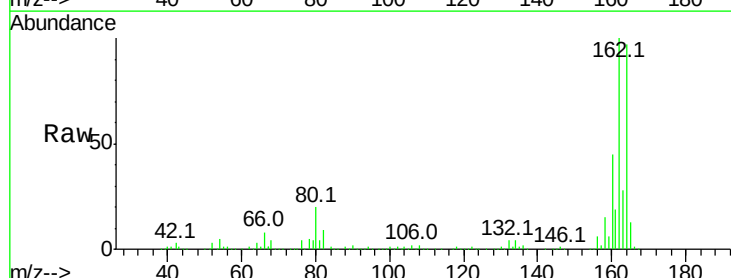
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



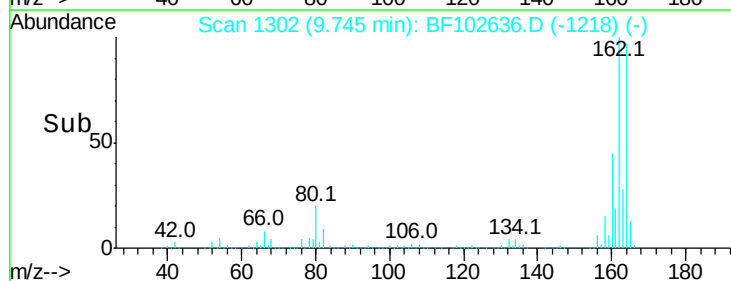
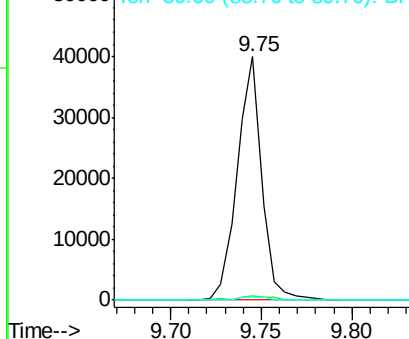
#50
 2,6-Dinitrotoluene
 Concen: 7.204 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF102636.D
 Acq: 30 Jan 2018 13:48

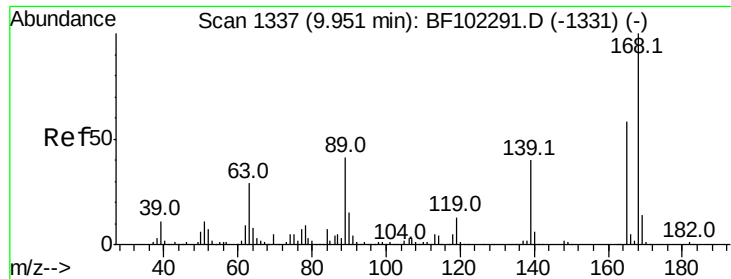
Tgt Ion:165 Resp: 37553

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

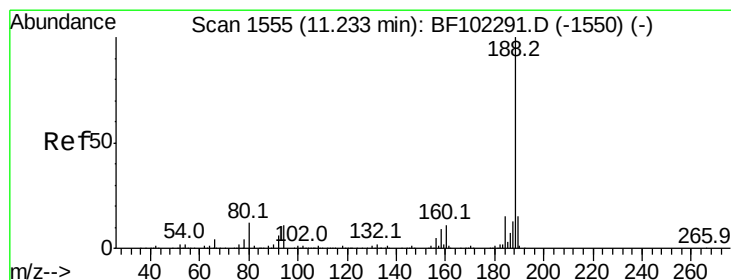
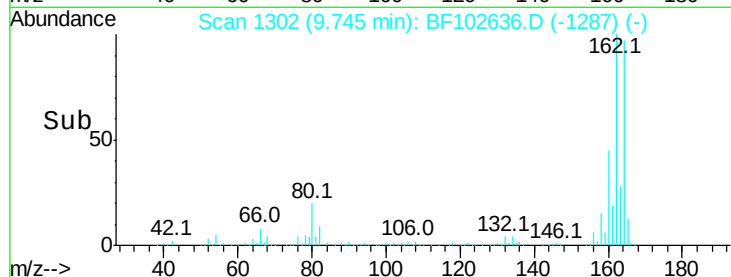
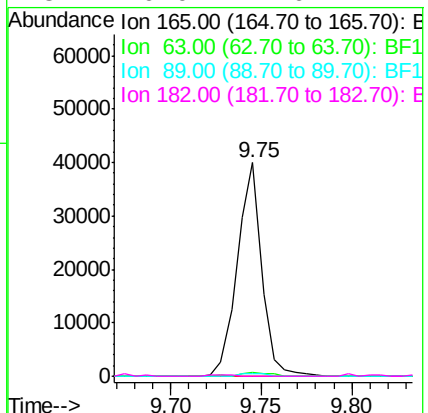
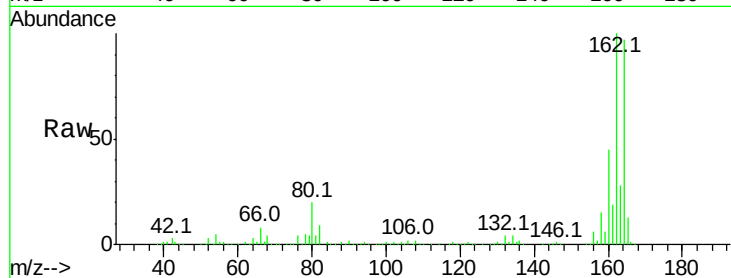




#56
 2,4-Dinitrotoluene
 Concen: 5.858 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102636.D
 Acq: 30 Jan 2018 13:48

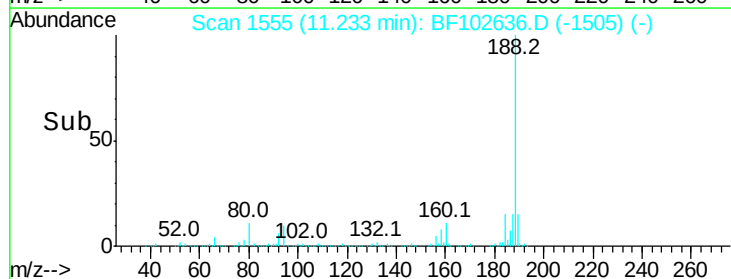
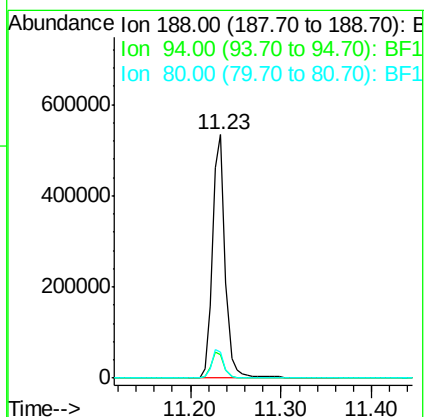
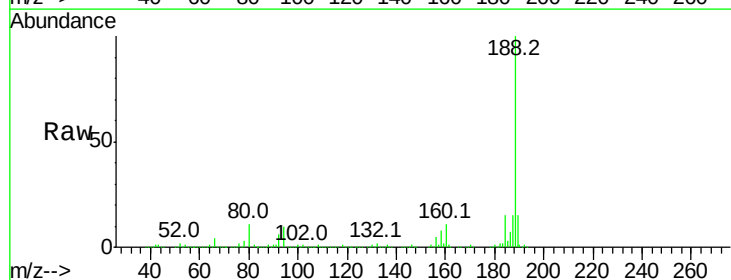
Instrument :
 BNA_F
 ClientSampleId :

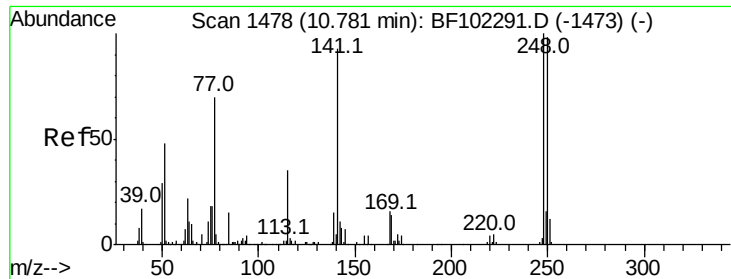
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102636.D
 Acq: 30 Jan 2018 13:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.7	9.2	13.8

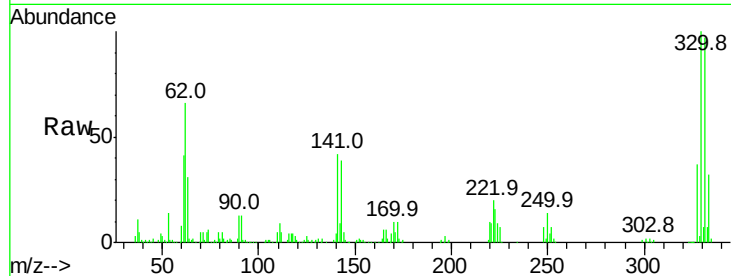




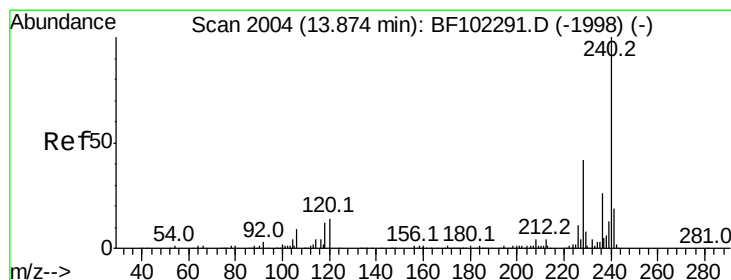
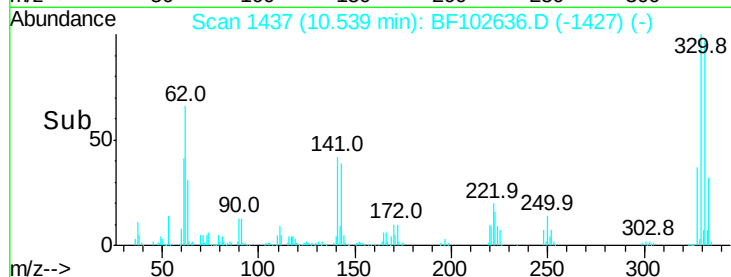
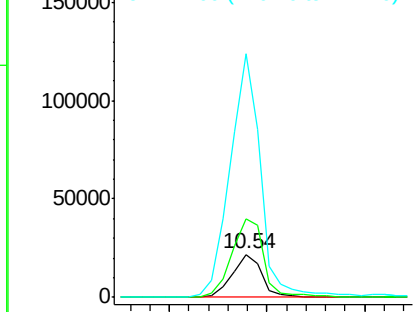
#66
4-Bromophenyl-phenylether
Concen: 4.078 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102636.D
Acq: 30 Jan 2018 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 23104
Ion Ratio Lower Upper
248 100
250 183.1 76.9 115.3#
141 566.5 74.4 111.6#

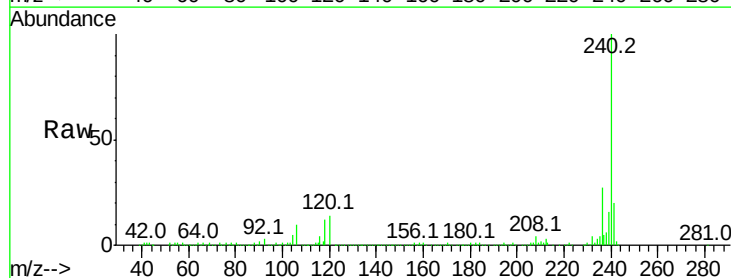


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

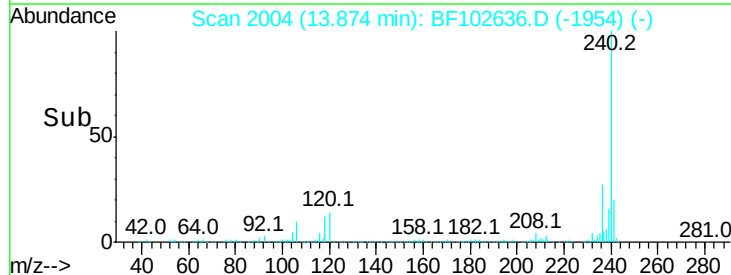
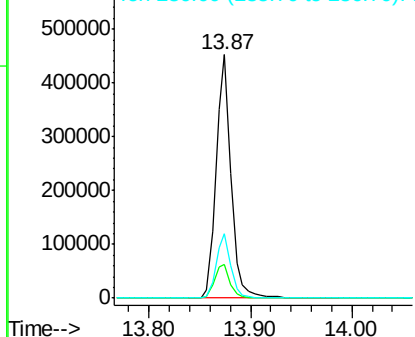


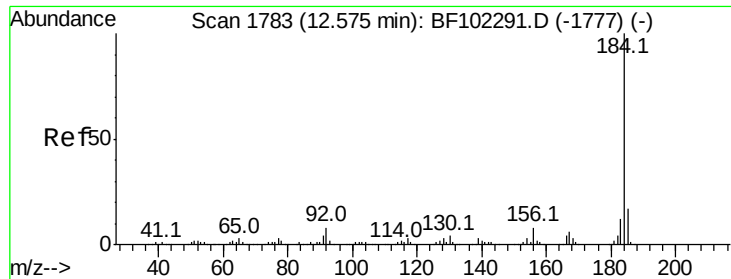
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF102636.D
Acq: 30 Jan 2018 13:48

Tgt Ion:240 Resp: 462405
Ion Ratio Lower Upper
240 100
120 13.7 9.5 14.3
236 26.5 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





#76

Benzidine

Concen: 11.468 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

Instrument :

BNA_F

ClientSampleId :

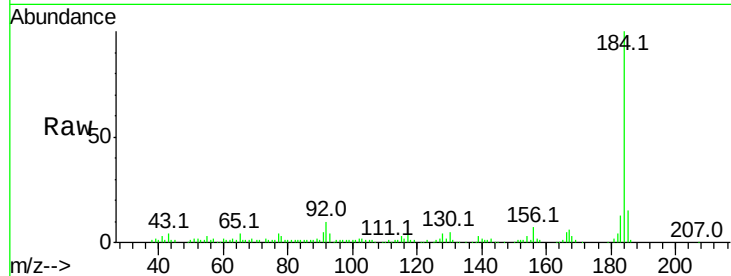
Tot Ion:184 Resp: 178145

Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

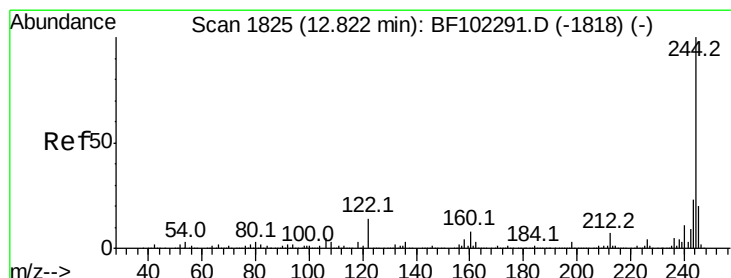
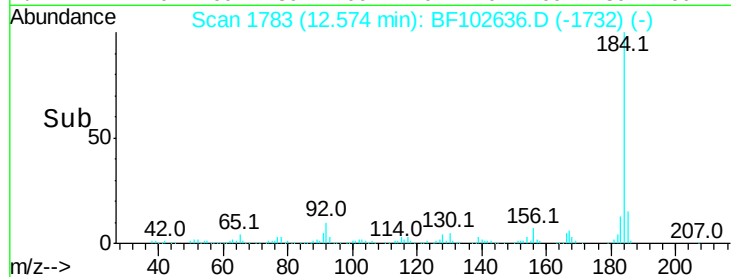
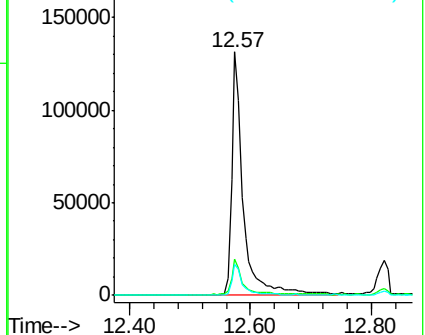
183 12.6 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 83.100 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102636.D

Acq: 30 Jan 2018 13:48

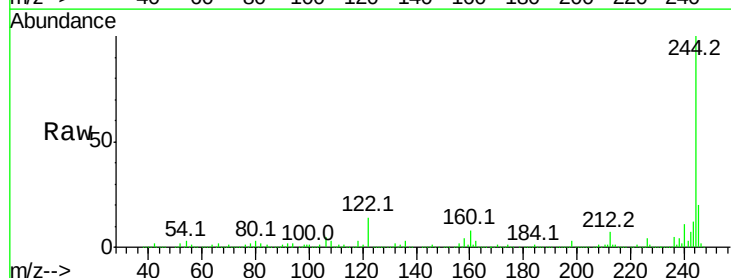
Tgt Ion:244 Resp: 1704509

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

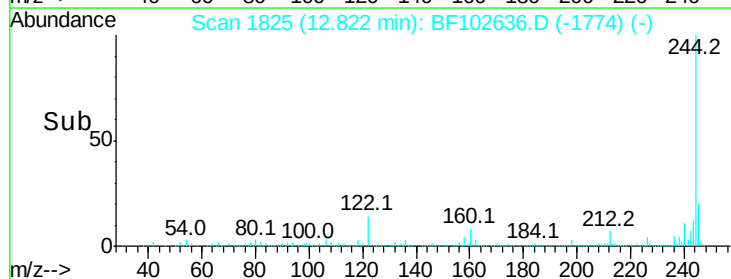
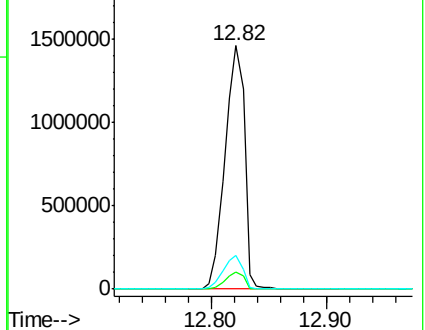
122 13.8 11.0 16.4

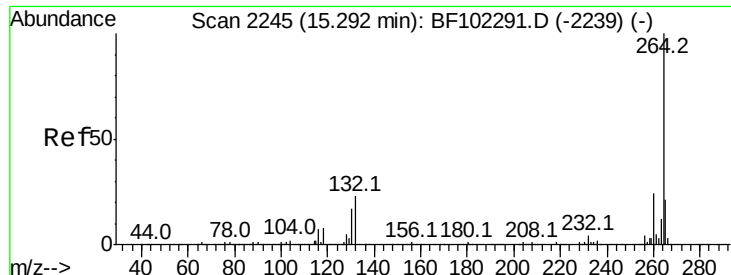


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

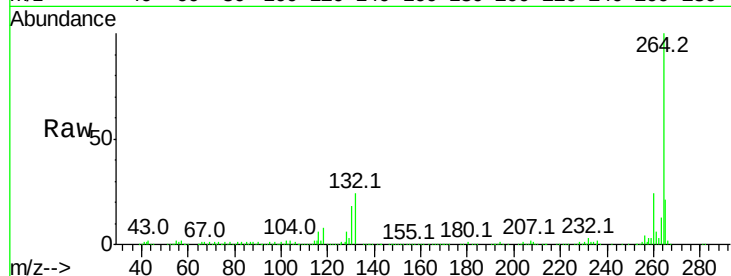




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.00 min
 Lab File: BF102636.D
 Acq: 30 Jan 2018 13:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.4	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

