

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102858.D
 Acq On : 8 Feb 2018 16:12
 Operator : SJ/JU
 Sample : J1469-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 18:14:37 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	202805	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	827899	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	337372	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	470701	20.00	ng	0.00
75) Chrysene-d12	14.05	240	365505	20.00	ng	0.00
86) Perylene-d12	15.54	264	329474	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1284453	96.18	ng	0.01
7) Phenol-d6	6.52	99	1531449	95.24	ng	0.01
23) Nitrobenzene-d5	7.45	82	990610	83.00	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	207934	76.57	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1299468	63.91	ng	0.00
78) Terphenyl-d14	13.00	244	738571	47.85	ng	0.00

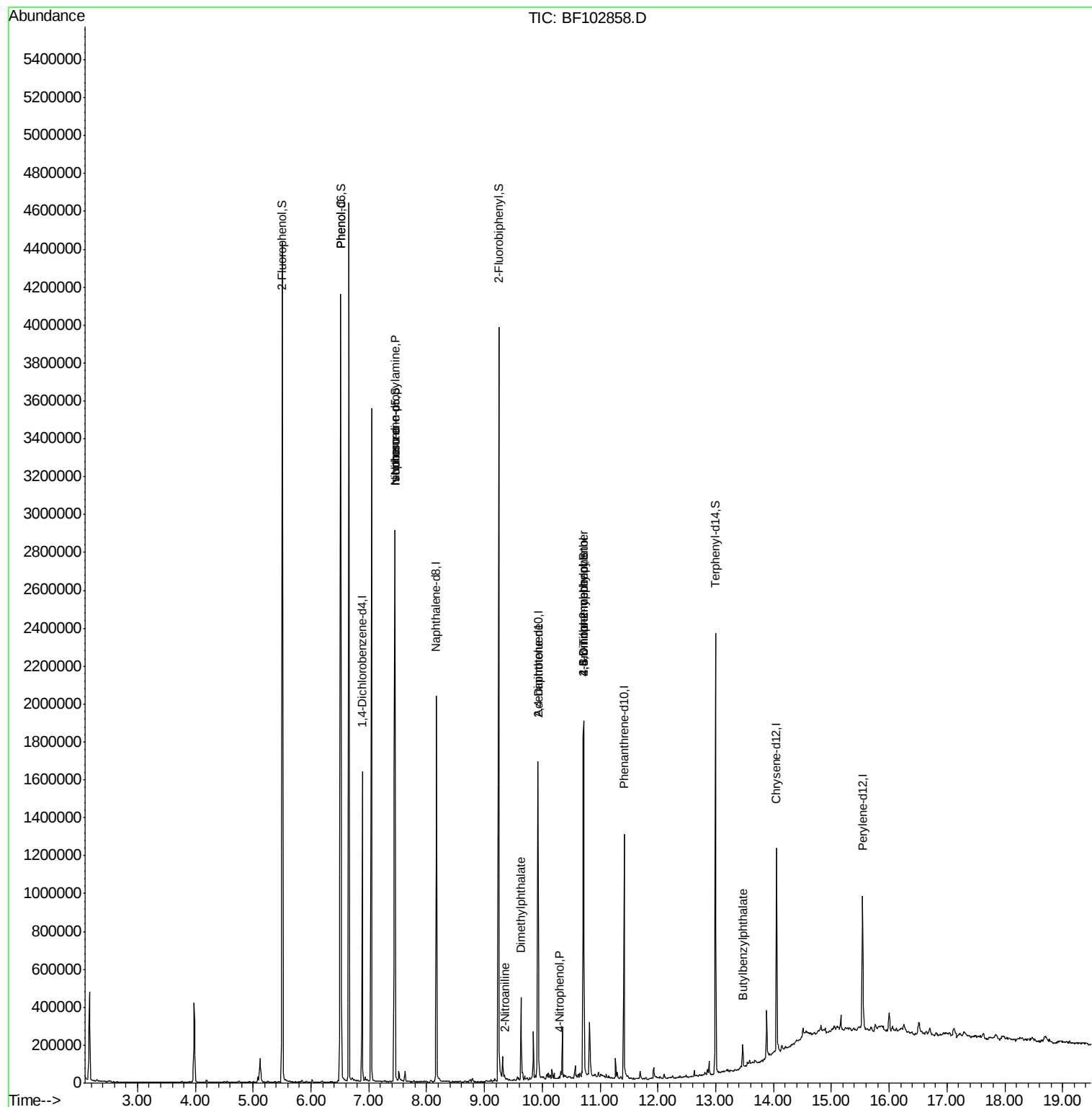
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	107971	6.266	ng	76
19) n-Nitroso-di-n-propylamine	7.45	70	136615	12.886	ng	# 84
25) Isophorone	7.45	82	990598	36.047	ng	# 64
47) 2-Nitroaniline	9.36	65	379	3.523	ng	# 2
49) Dimethylphthalate	9.63	163	140896	5.356	ng	100
55) 4-Nitrophenol	10.30	139	118	4.046	ng	# 21
56) 2,4-Dinitrotoluene	9.93	165	42946	9.064	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	416	8.989	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	14231	2.858	ng	# 1
79) Butylbenzylphthalate	13.47	149	17168	2.250	ng	86

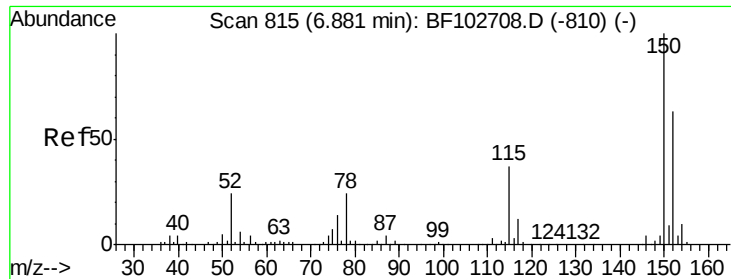
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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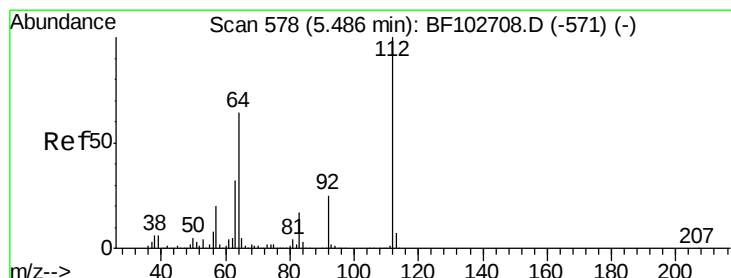
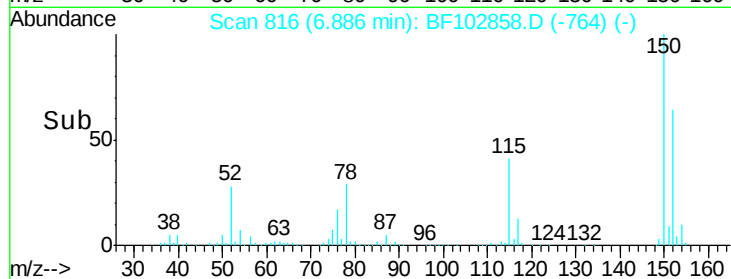
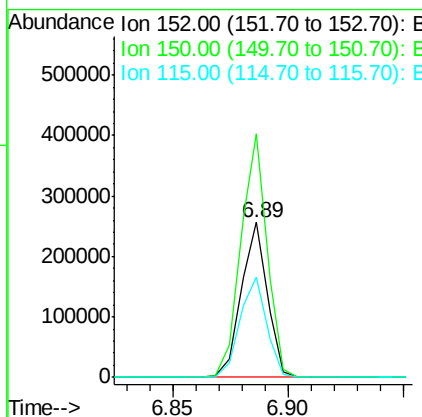
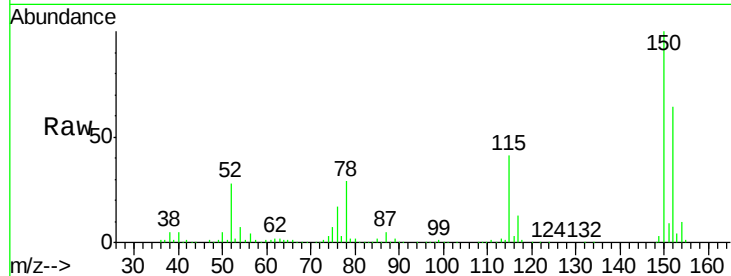


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Instrument :
BNA_F
ClientSampleId :

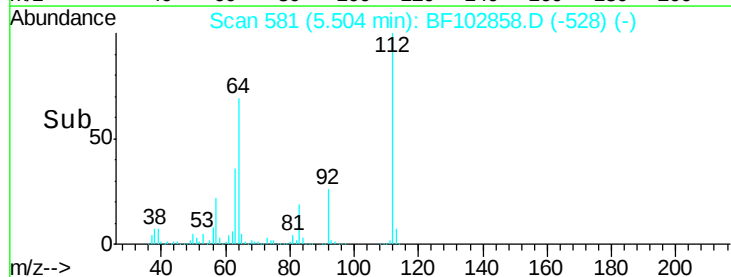
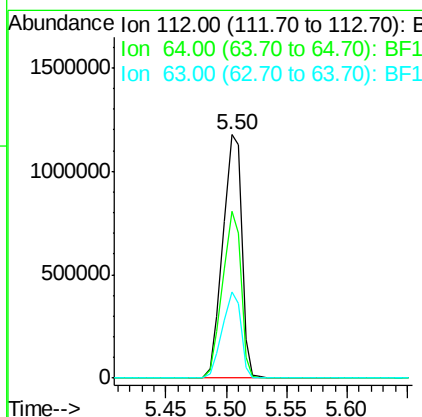
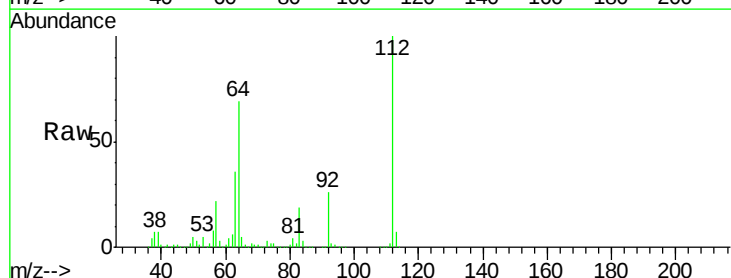
Tot Ion:152 Resp: 202805
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 65.0 50.1 75.1



#5

2-Fluorophenol
Concen: 96.184 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Tgt Ion:112 Resp: 1284453
Ion Ratio Lower Upper
112 100
64 68.6 47.9 71.9
63 35.6 23.7 35.5#





#7

Phenol-d6

Concen: 95.244 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102858.D

Acq: 8 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

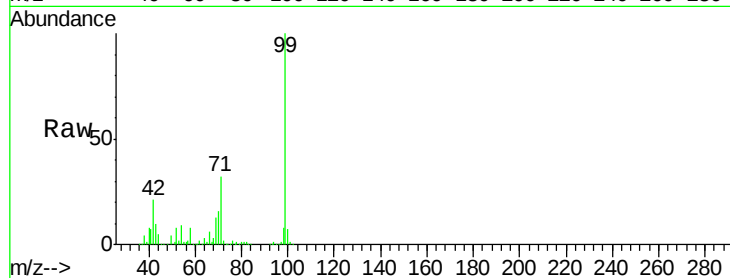
Tot Ion: 99 Resp: 1531449

Ion Ratio Lower Upper

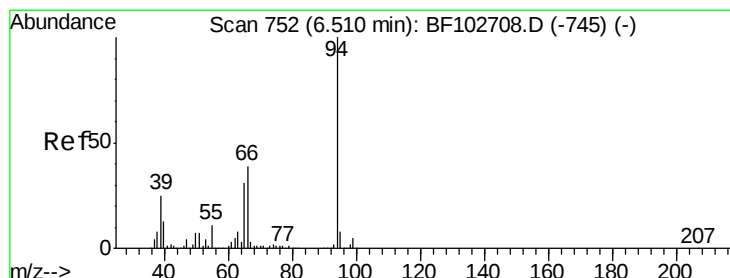
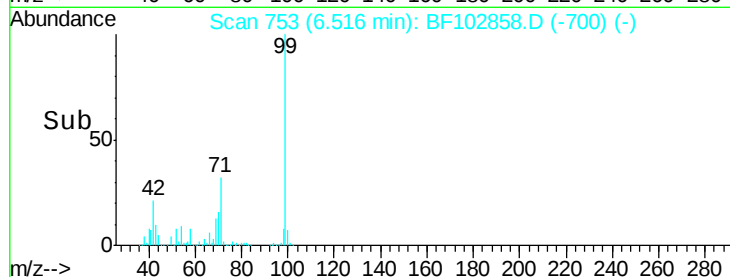
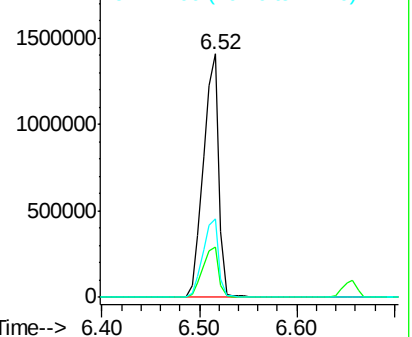
99 100

42 20.6 14.5 21.7

71 32.2 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



#10

Phenol

Concen: 6.266 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102858.D

Acq: 8 Feb 2018 16:12

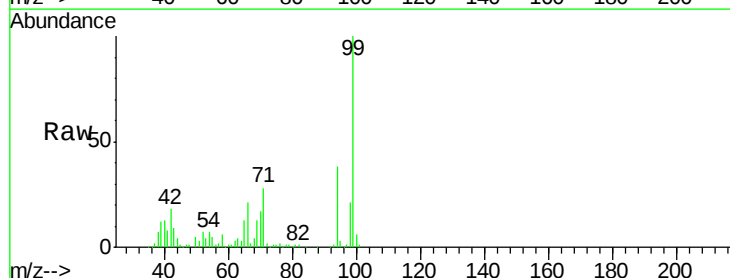
Tgt Ion: 94 Resp: 107971

Ion Ratio Lower Upper

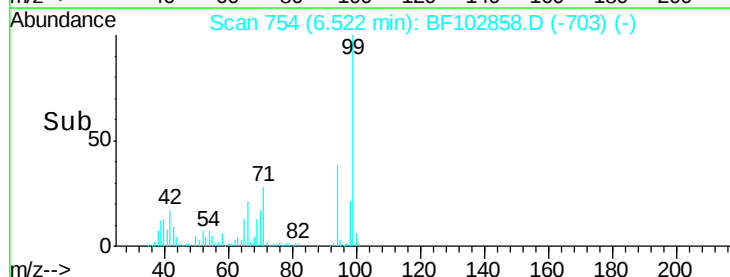
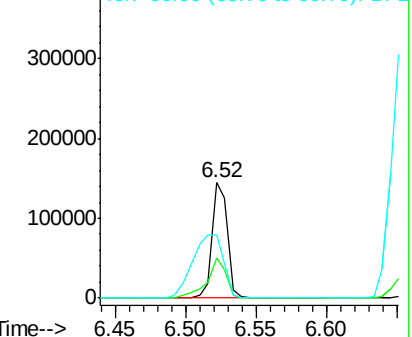
94 100

65 35.4 7.9 47.9

66 54.6 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: 12.886 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF102858.D

Acq: 8 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 136615

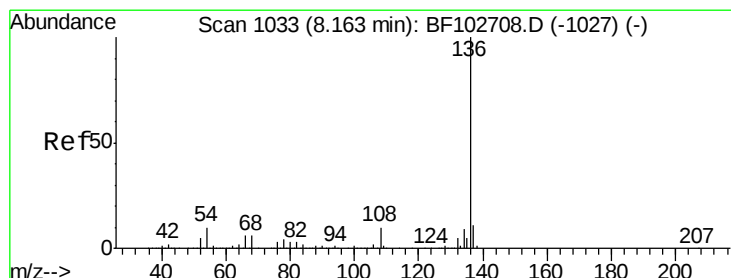
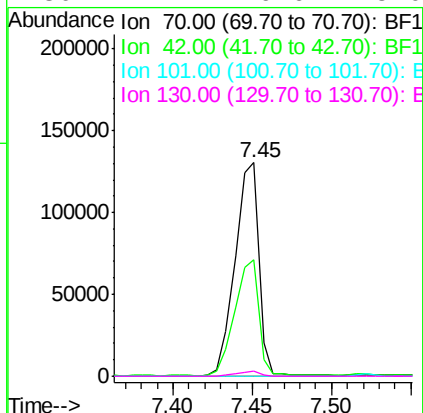
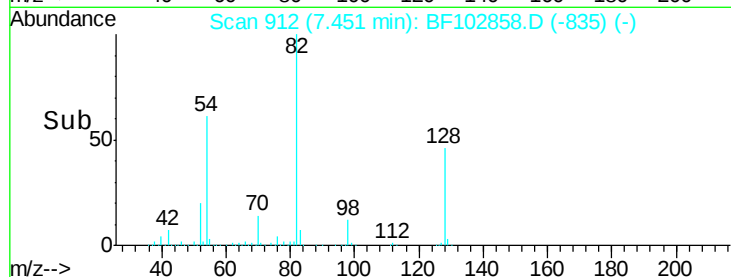
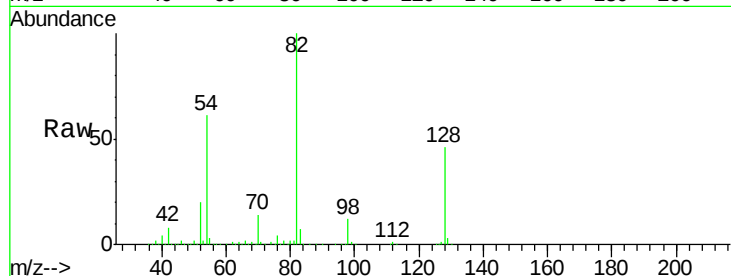
Ion Ratio Lower Upper

70 100

42 54.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102858.D

Acq: 8 Feb 2018 16:12

Tgt Ion: 136 Resp: 827899

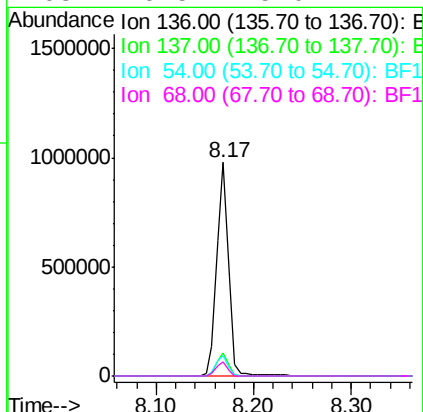
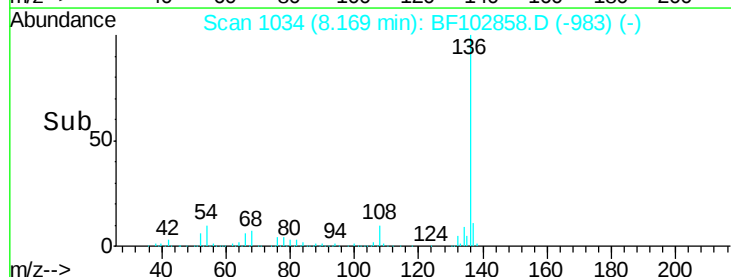
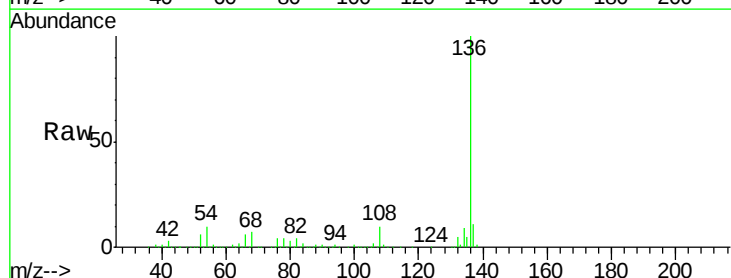
Ion Ratio Lower Upper

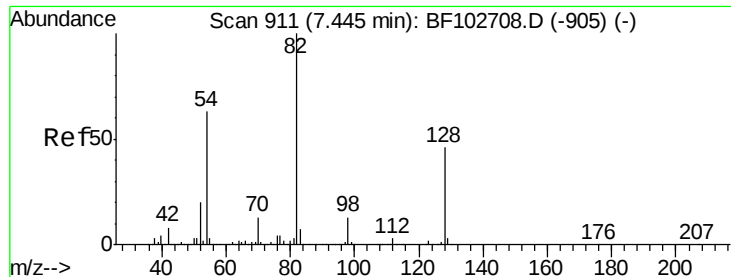
136 100

137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 6.5 5.0 7.4

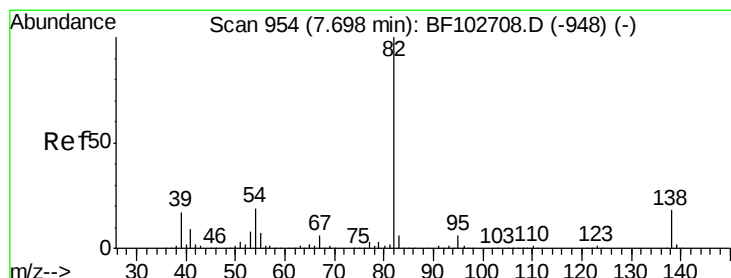
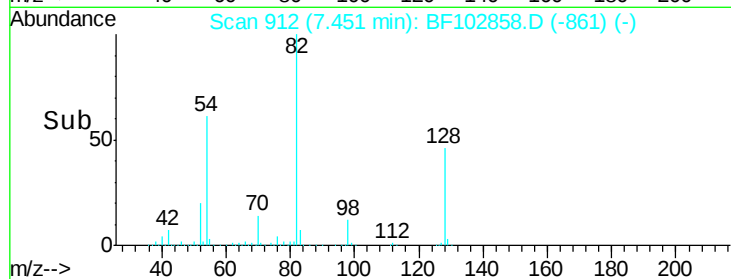
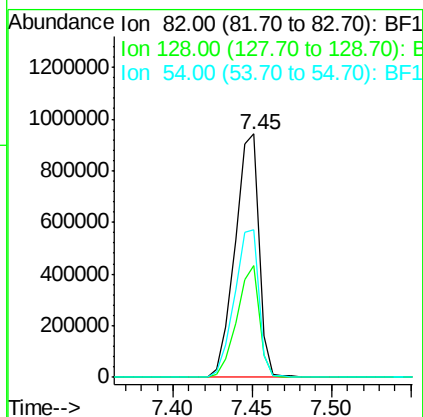
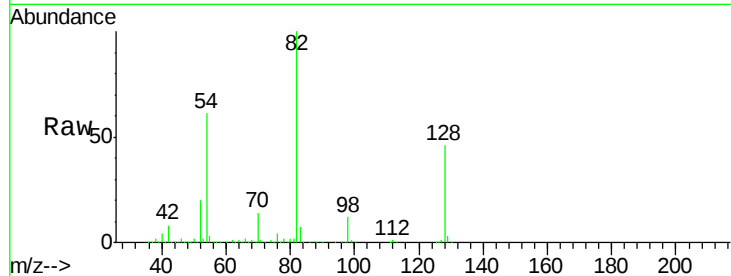




#23
 Nitrobenzene-d5
 Concen: 83.004 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BF102858.D
 Acq: 8 Feb 2018 16:12

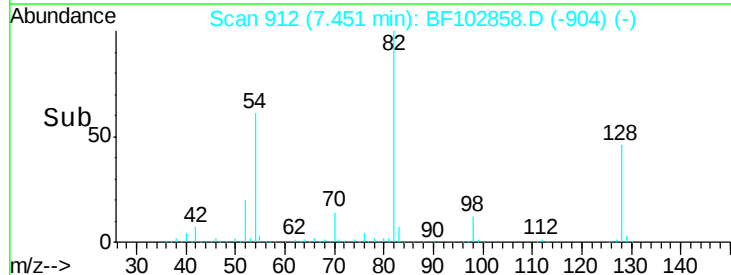
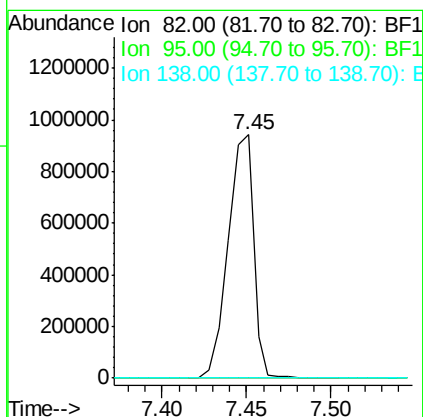
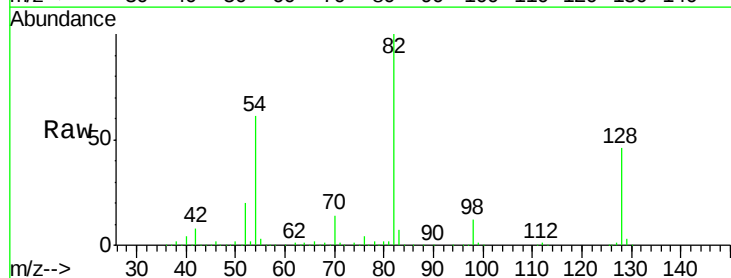
Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 990610
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.1 54.1
 54 60.6 41.4 62.2



#25
 Isophorone
 Concen: 36.047 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.25 min
 Lab File: BF102858.D
 Acq: 8 Feb 2018 16:12

Tgt Ion: 82 Resp: 990598
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

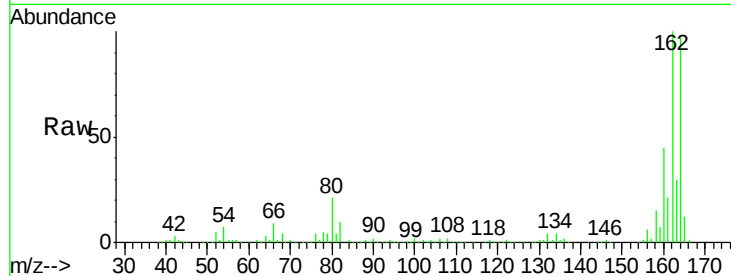




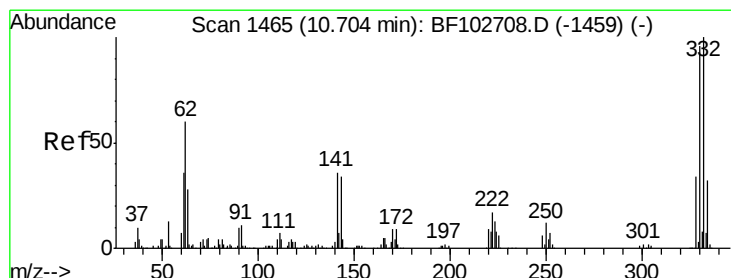
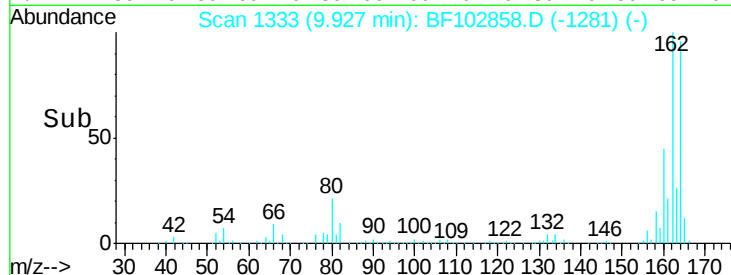
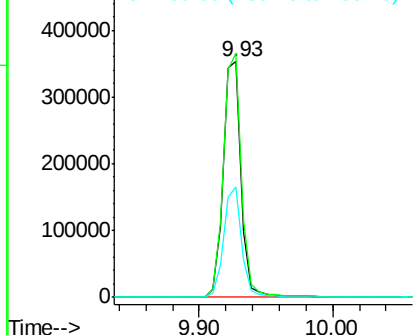
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 337372
Ion Ratio Lower Upper
164 100
162 103.2 86.1 129.1
160 47.0 38.3 57.5

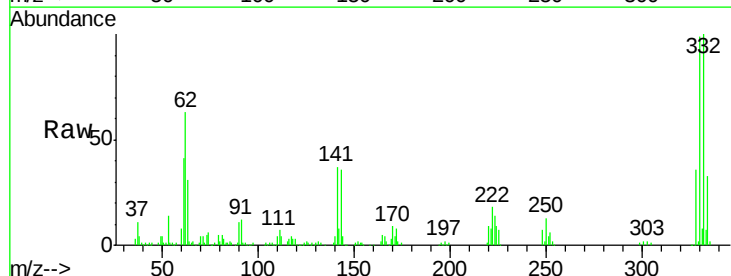


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

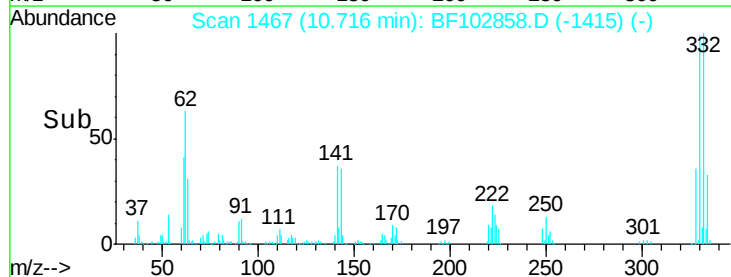
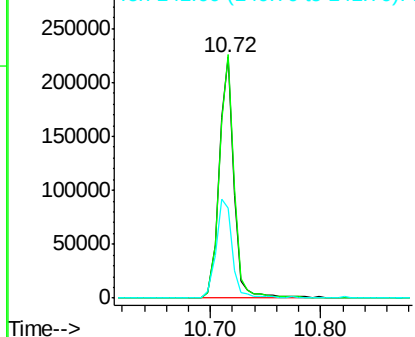


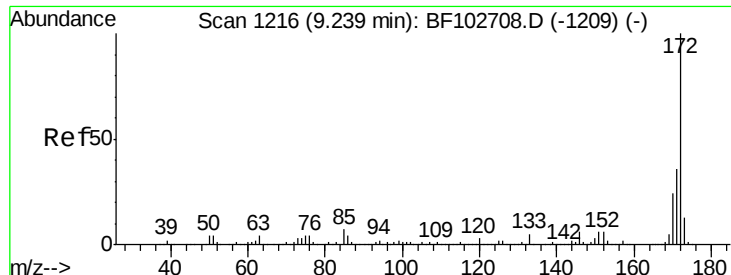
#41
2,4,6-Tribromophenol
Concen: 76.574 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Tgt Ion:330 Resp: 207934
Ion Ratio Lower Upper
330 100
332 101.1 77.0 115.6
141 44.9 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

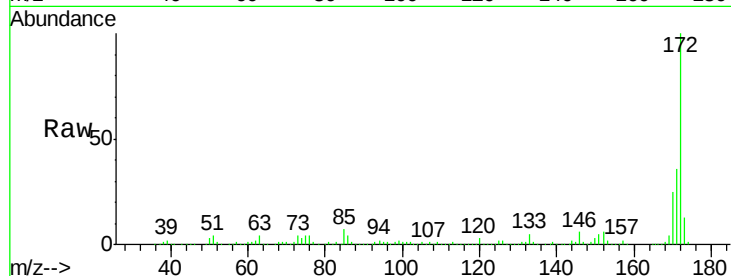




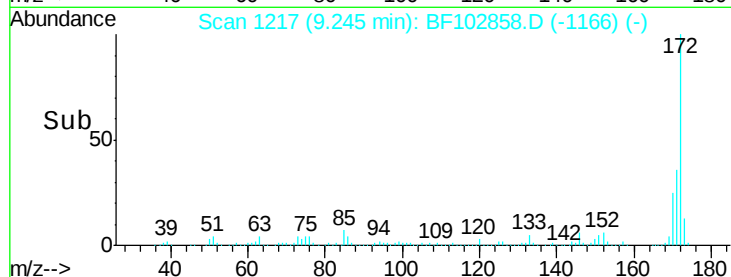
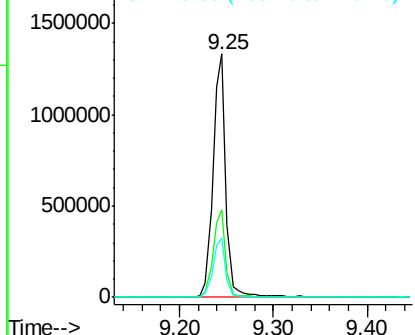
#44
2-Fluorobiphenyl
Concen: 63.914 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1299468
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.6 19.6 29.4

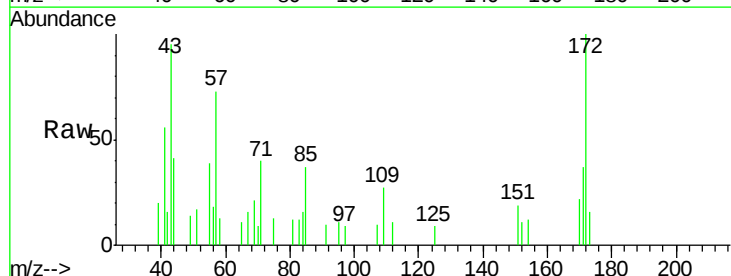


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

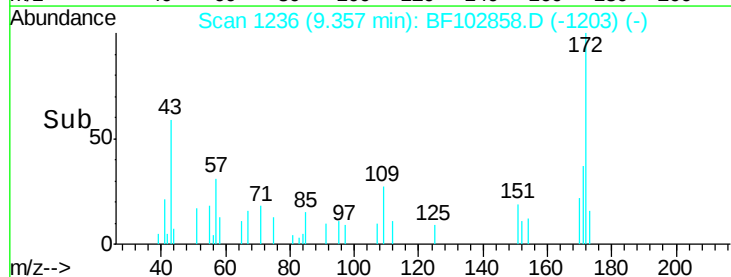
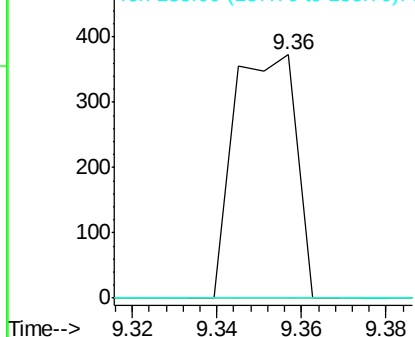


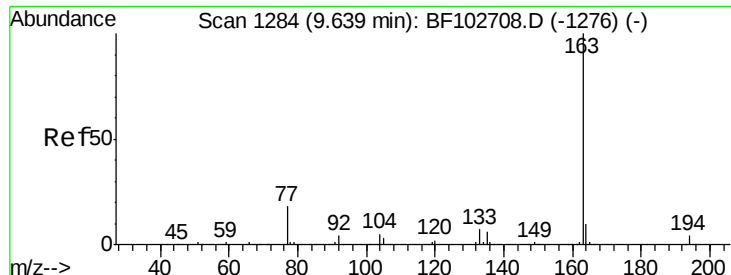
#47
2-Nitroaniline
Concen: 3.523 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.11 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Tgt Ion: 65 Resp: 379
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): E





#49

Dimethylphthalate

Concen: 5.356 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102858.D

Acq: 8 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

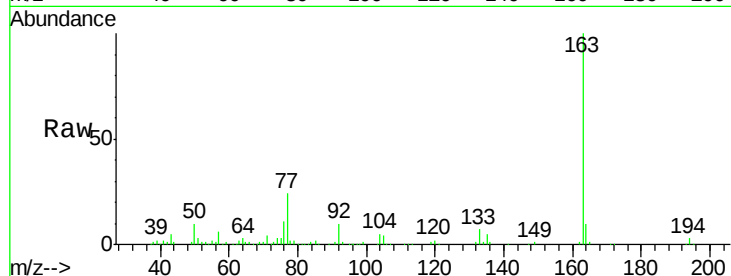
Tot Ion:163 Resp: 140896

Ion Ratio Lower Upper

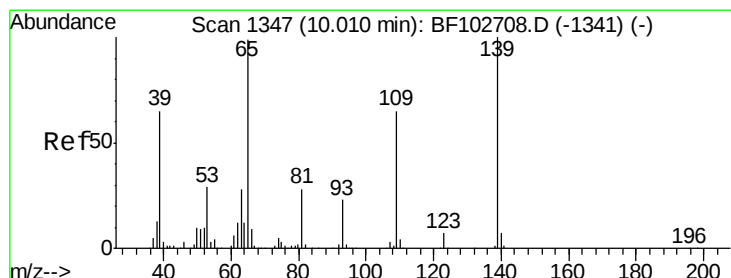
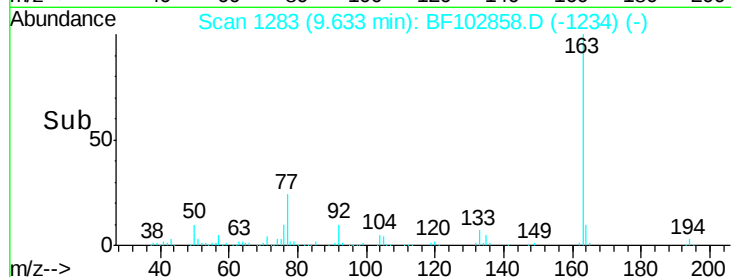
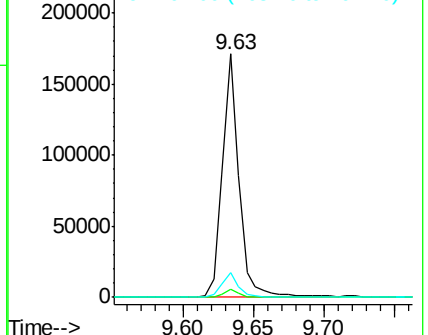
163 100

194 3.3 2.7 4.1

164 10.3 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



#55

4-Nitrophenol

Concen: 4.046 ng

RT: 10.30 min Scan# 1396

Delta R.T. 0.28 min

Lab File: BF102858.D

Acq: 8 Feb 2018 16:12

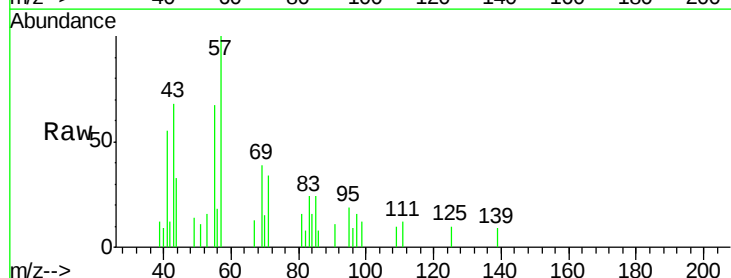
Tgt Ion:139 Resp: 118

Ion Ratio Lower Upper

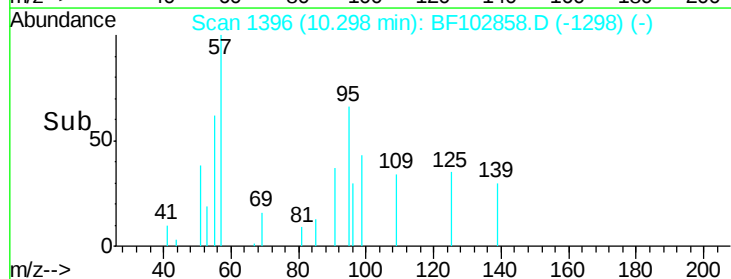
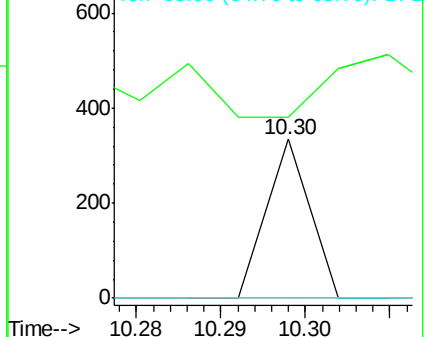
139 100

109 113.8 48.4 88.4#

65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

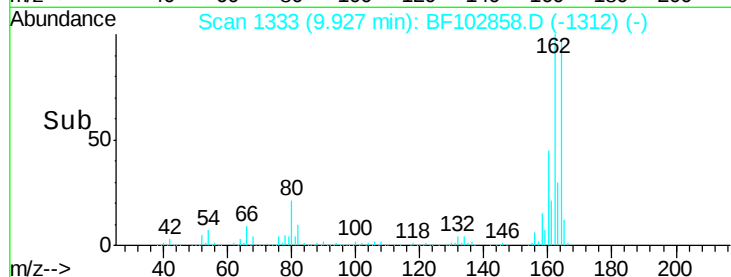
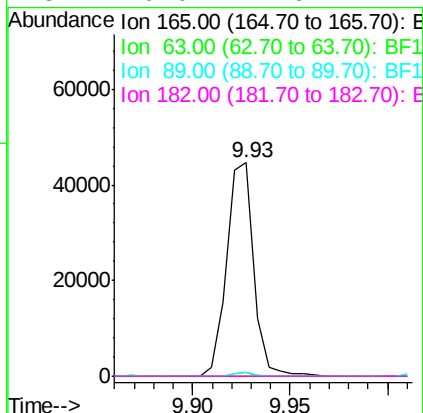
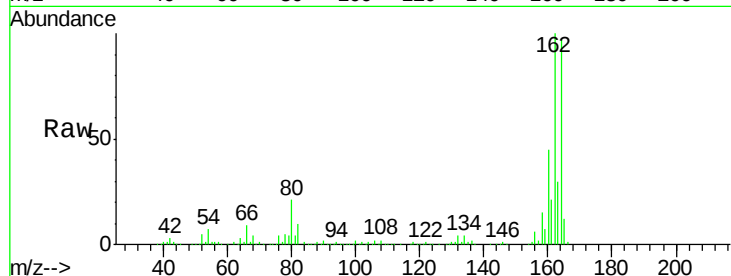




#56
 2,4-Dinitrotoluene
 Concen: 9.064 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF102858.D
 Acq: 8 Feb 2018 16:12

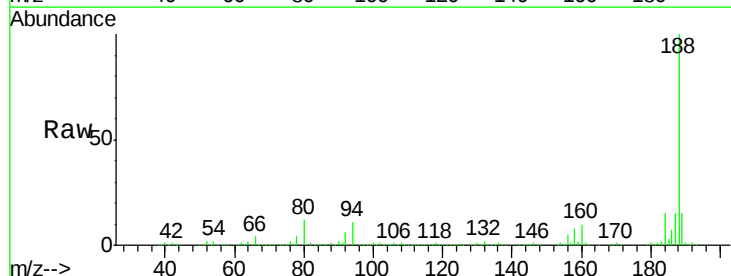
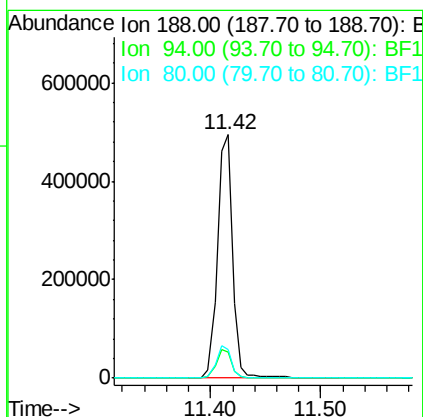
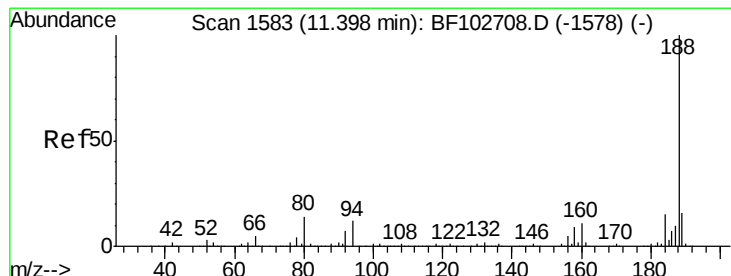
Instrument :
 BNA_F
 ClientSampleId :

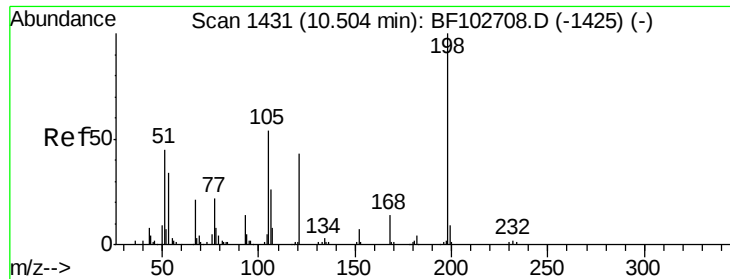
Tot Ion:165 Resp: 42946
 Ion Ratio Lower Upper
 165 100
 63 2.1 36.4 54.6#
 89 1.8 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF102858.D
 Acq: 8 Feb 2018 16:12

Tgt Ion:188 Resp: 470701
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.5 9.2 13.8

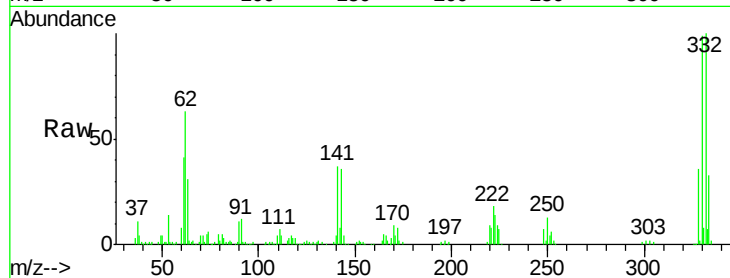




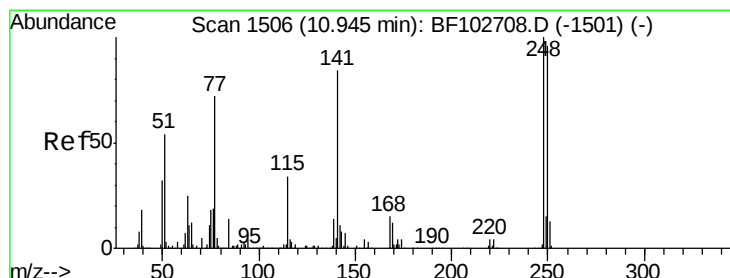
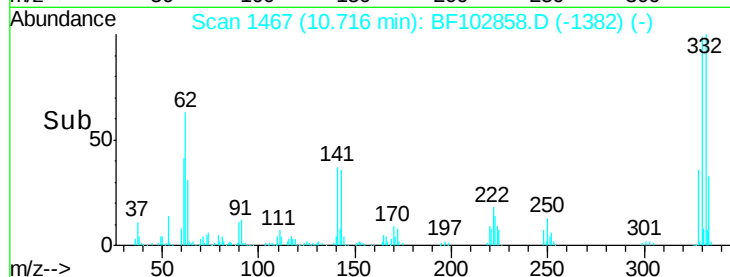
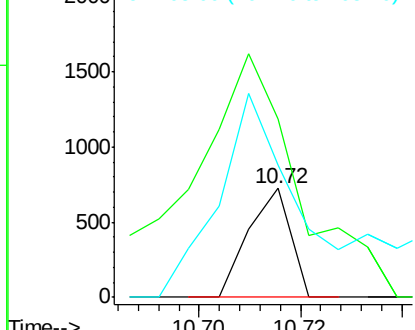
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.989 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF102858.D
 Acq: 8 Feb 2018 16:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 416
 Ion Ratio Lower Upper
 198 100
 51 163.4 37.7 77.7#
 105 121.4 36.3 76.3#

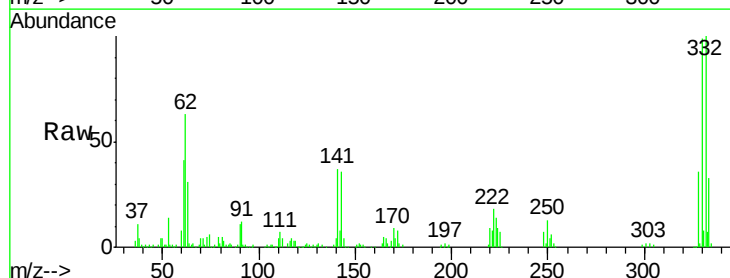


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

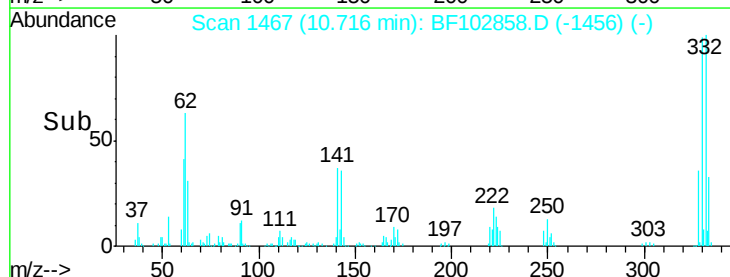
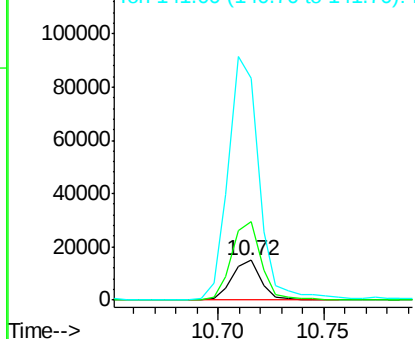


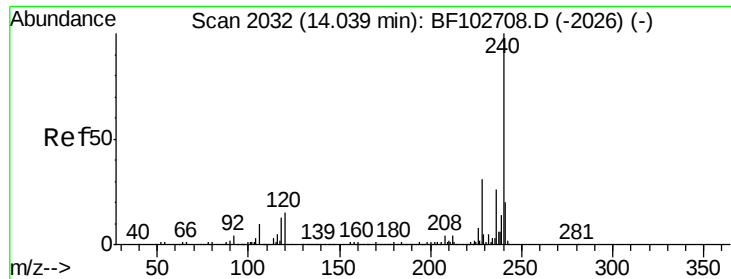
#66
 4-Bromophenyl-phenylether
 Concen: 2.858 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102858.D
 Acq: 8 Feb 2018 16:12

Tgt Ion:248 Resp: 14231
 Ion Ratio Lower Upper
 248 100
 250 197.5 76.9 115.3#
 141 562.6 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: BF102858.D

Acq: 8 Feb 2018 16:12

Instrument :

BNA_F

ClientSampleId :

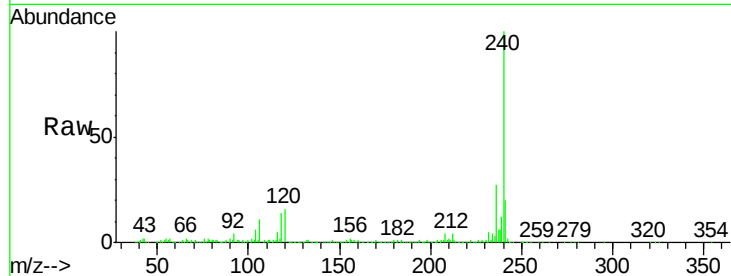
Tot Ion:240 Resp: 365505

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

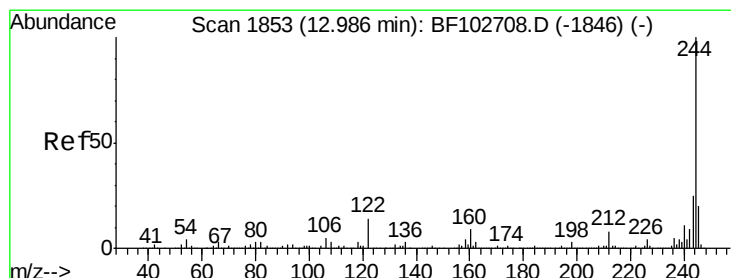
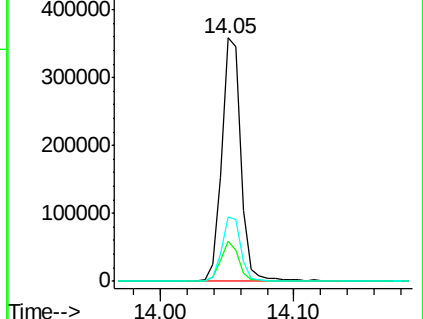
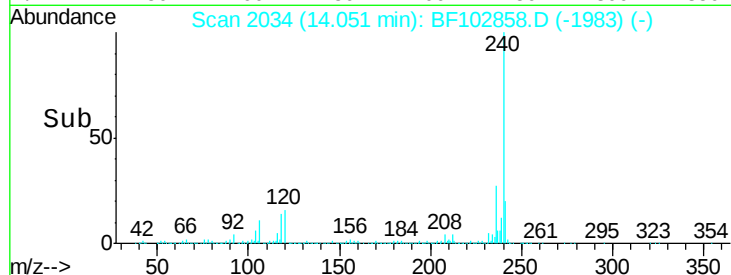
236 26.6 20.7 31.1



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: 47.845 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102858.D

Acq: 8 Feb 2018 16:12

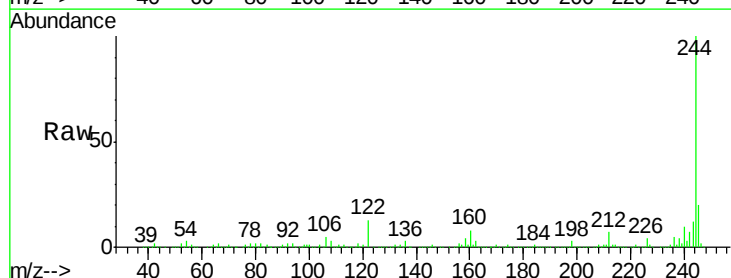
Tgt Ion:244 Resp: 738571

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

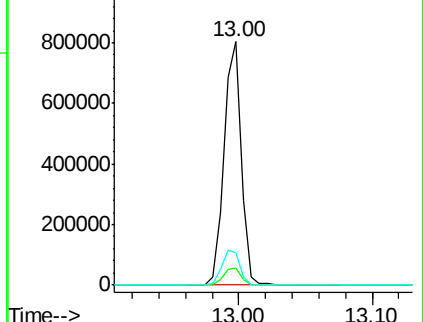
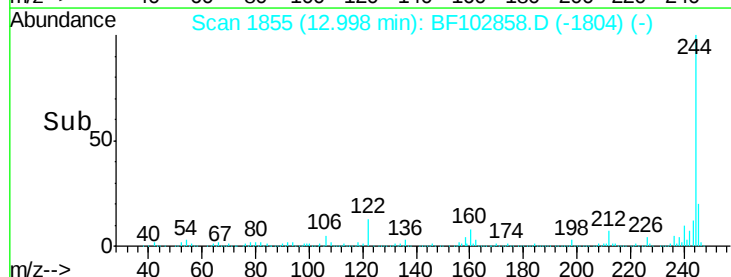
122 13.2 11.0 16.4

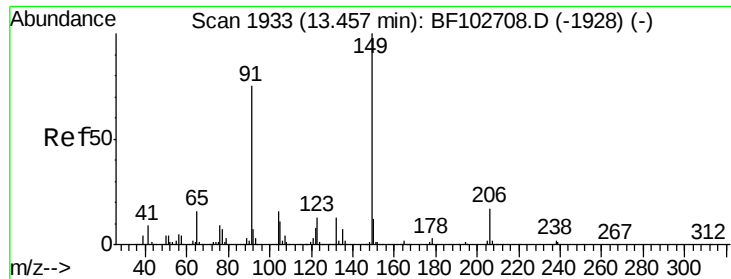


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

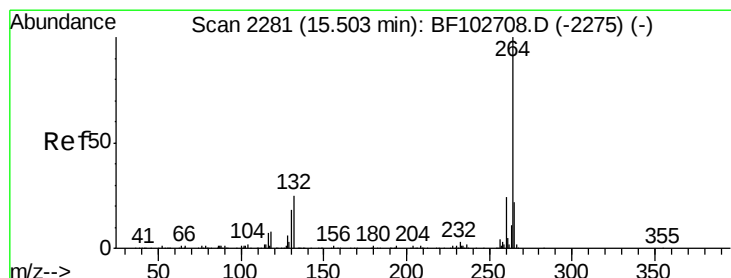
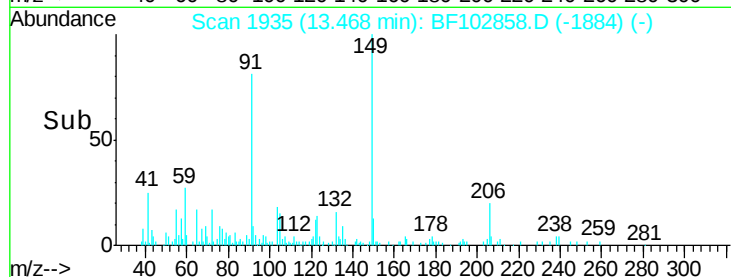
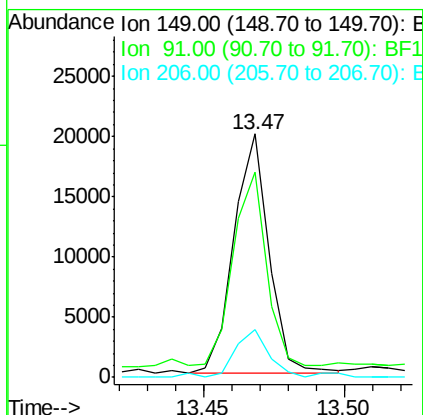
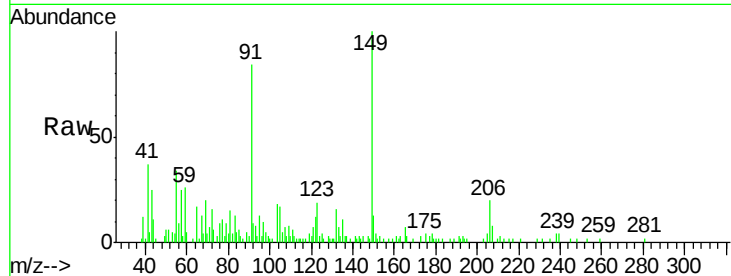




#79
Butylbenzylphthalate
Concen: 2.250 ng
RT: 13.47 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 17168
Ion Ratio Lower Upper
149 100
91 84.1 56.8 85.2
206 19.5 14.1 21.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102858.D
Acq: 8 Feb 2018 16:12

Tgt Ion:264 Resp: 329474
Ion Ratio Lower Upper
264 100
260 25.4 19.2 28.8
265 21.9 17.5 26.3

