

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102864.D
 Acq On : 8 Feb 2018 18:55
 Operator : SJ/JU
 Sample : J1470-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 00:23:57 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	186041	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	708333	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	275333	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	379739	20.00	ng	0.00
75) Chrysene-d12	14.05	240	342031	20.00	ng	0.00
86) Perylene-d12	15.54	264	295199	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1175398	95.95	ng	0.01
7) Phenol-d6	6.52	99	1395300	94.60	ng	0.01
23) Nitrobenzene-d5	7.45	82	880221	86.20	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	171325	77.31	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1115278	67.21	ng	0.00
78) Terphenyl-d14	13.00	244	736474	50.98	ng	0.00

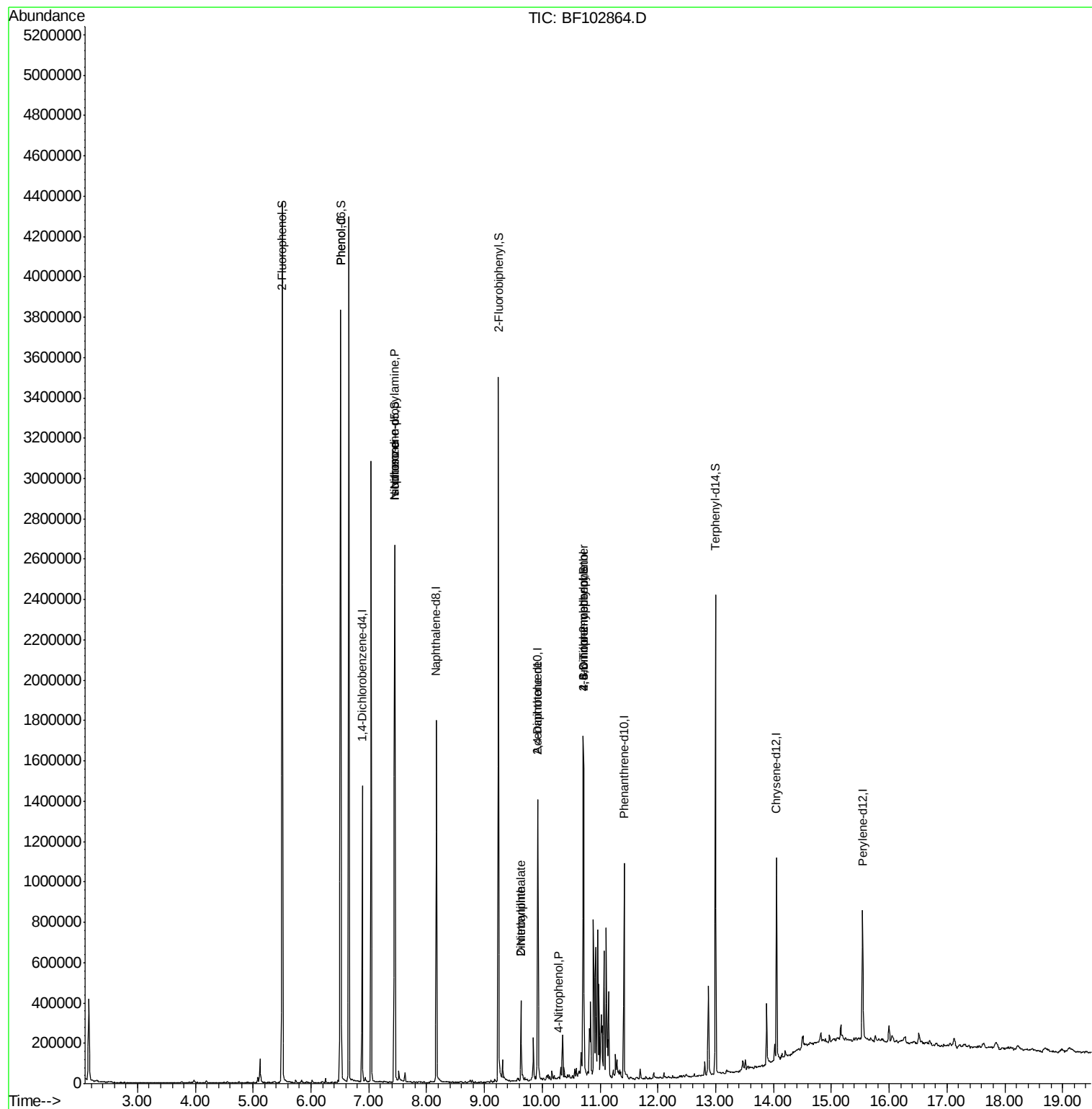
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	79178	5.01	ng	82
19) n-Nitroso-di-n-propylamine	7.45	70	119387	12.28	ng	# 84
25) Isophorone	7.45	82	880204	37.44	ng	# 64
47) 2-Nitroaniline	9.63	65	2013	3.80	ng	# 1
49) Dimethylphthalate	9.63	163	130959	6.10	ng	99
55) 4-Nitrophenol	10.27	139	107	4.05	ng	# 15
56) 2,4-Dinitrotoluene	9.92	165	34302	8.94	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	386	9.02	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	12242	3.05	ng	# 1

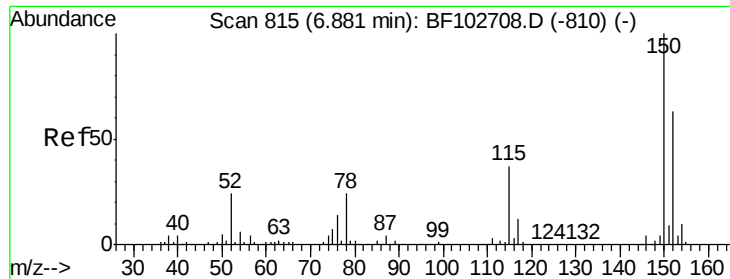
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

Instrument :

BNA_F

ClientSampled :

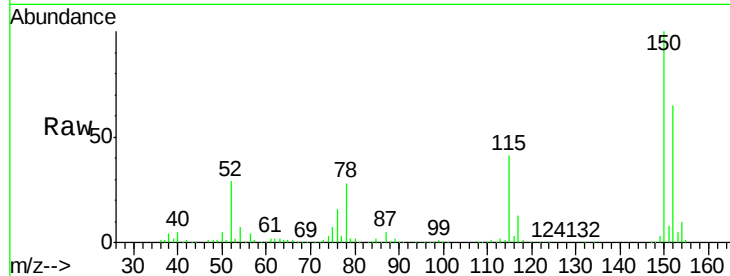
Tot Ion:152 Resp: 186041

Ion Ratio Lower Upper

152 100

150 155.0 124.6 186.8

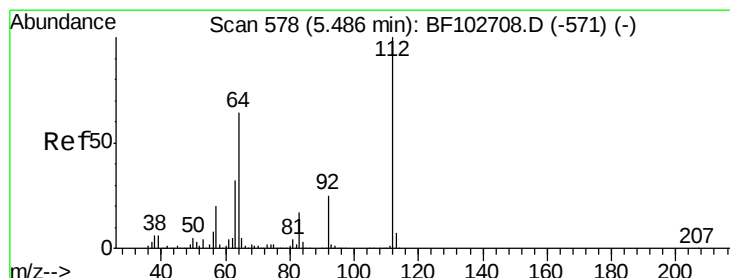
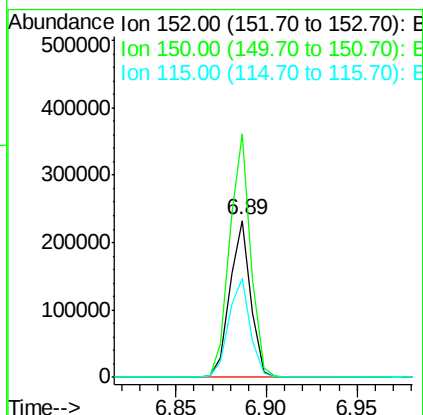
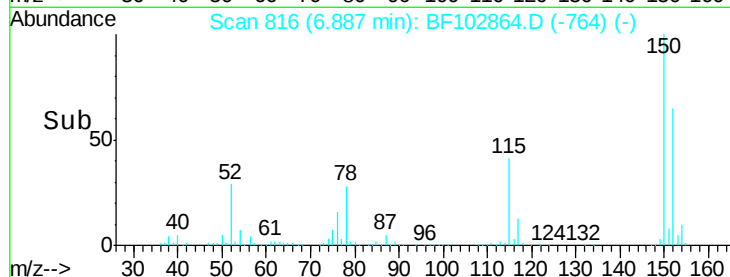
115 63.3 50.1 75.1



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: 95.95 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

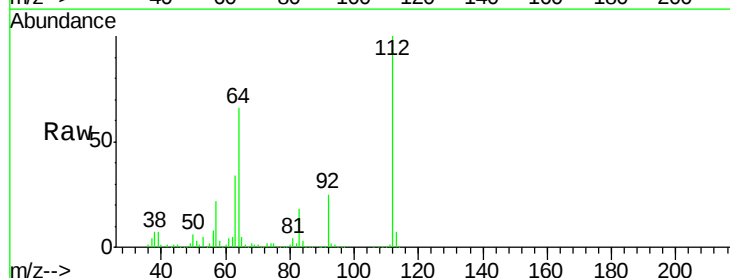
Tgt Ion:112 Resp: 1175398

Ion Ratio Lower Upper

112 100

64 66.1 47.9 71.9

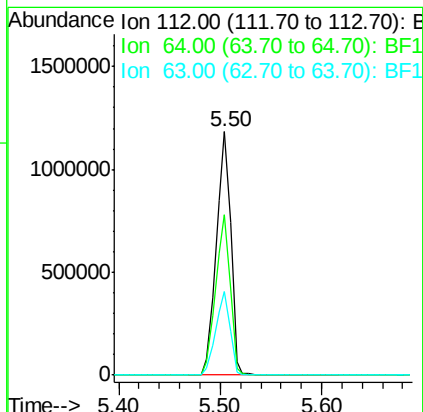
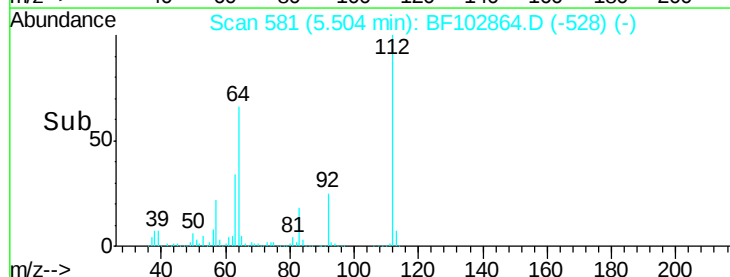
63 34.3 23.7 35.5

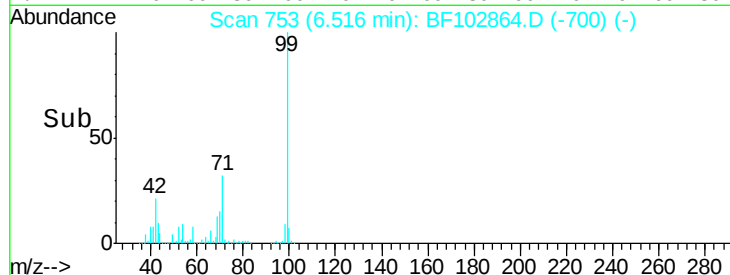
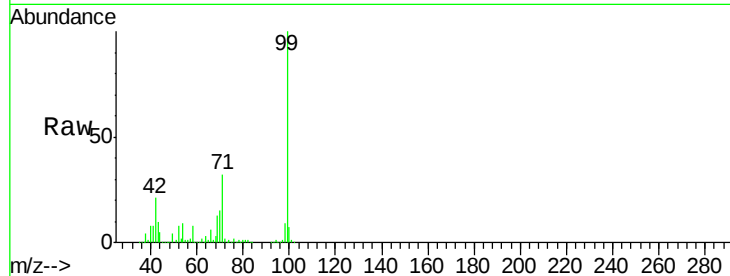
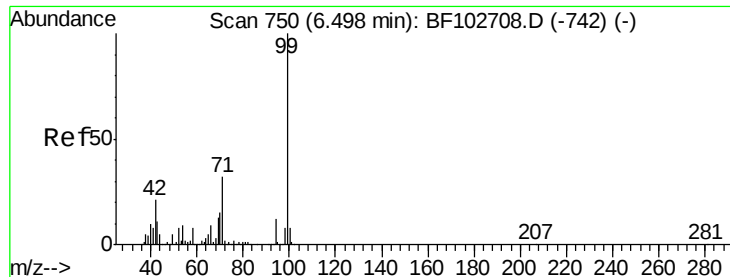


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.60 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

Instrument :

BNA_F

ClientSampleId :

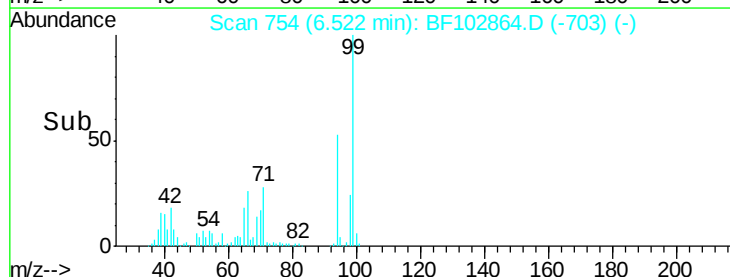
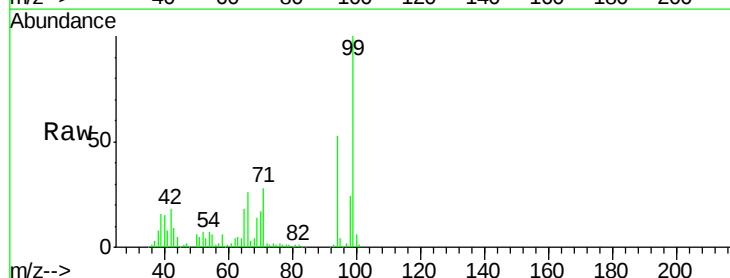
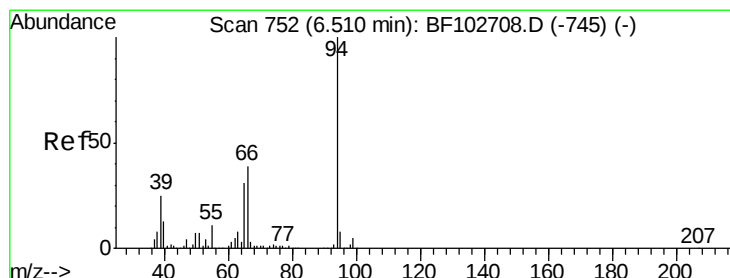
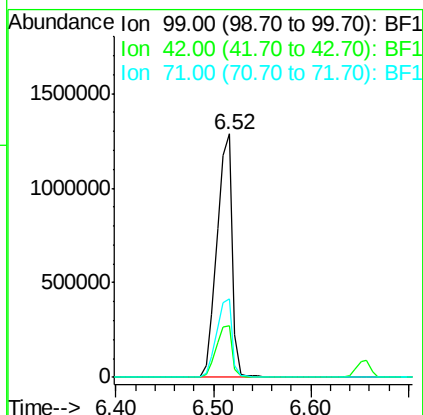
Tot Ion: 99 Resp: 1395300

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 32.1 25.4 38.0



#10

Phenol

Concen: 5.01 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

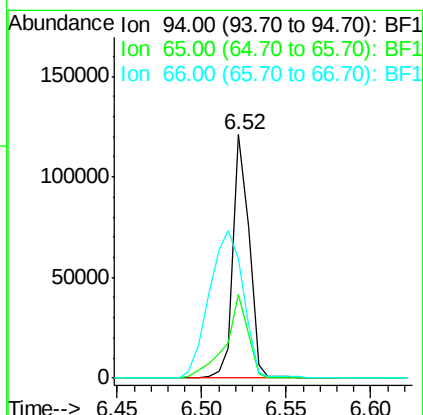
Tgt Ion: 94 Resp: 79178

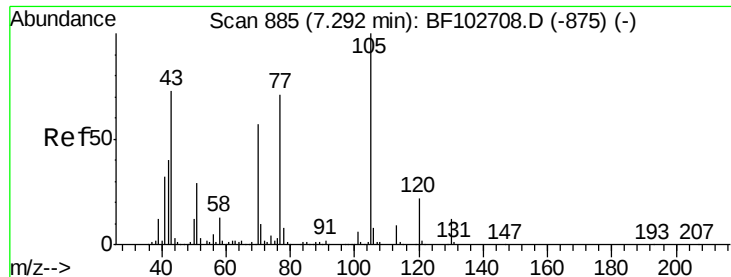
Ion Ratio Lower Upper

94 100

65 34.5 7.9 47.9

66 49.0 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.28 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 119387

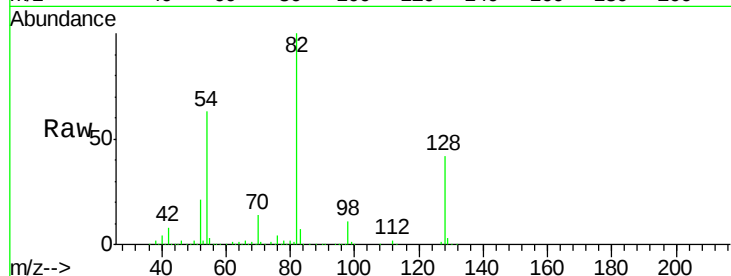
Ion Ratio Lower Upper

70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

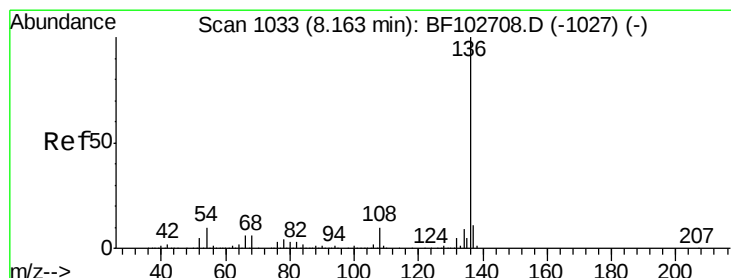
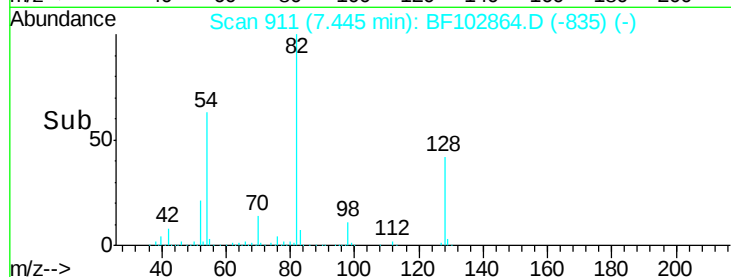
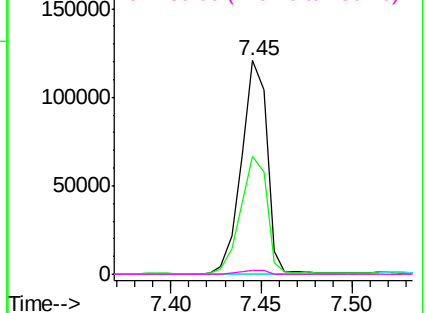


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

Tgt Ion:136 Resp: 708333

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.8 6.6 9.8

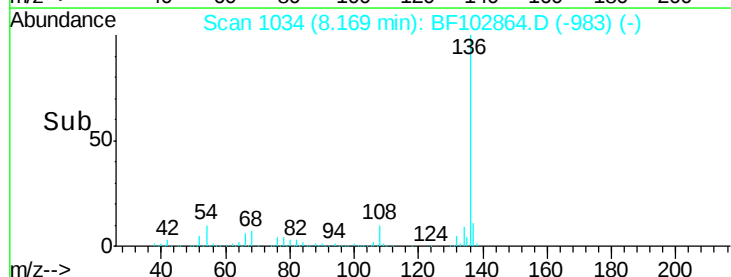
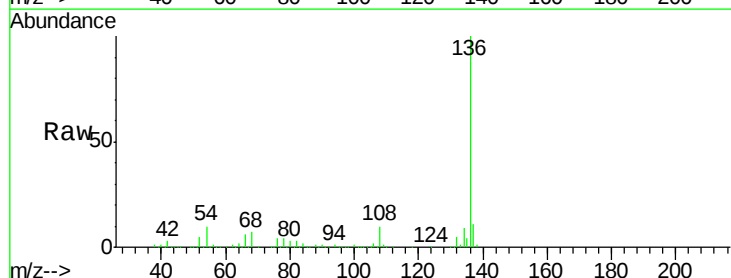
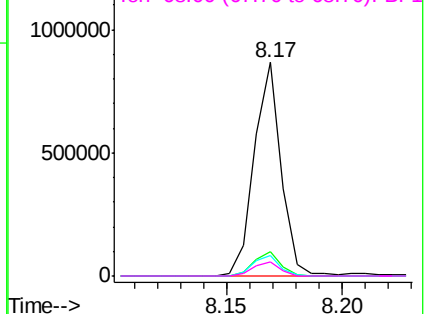
68 6.6 5.0 7.4

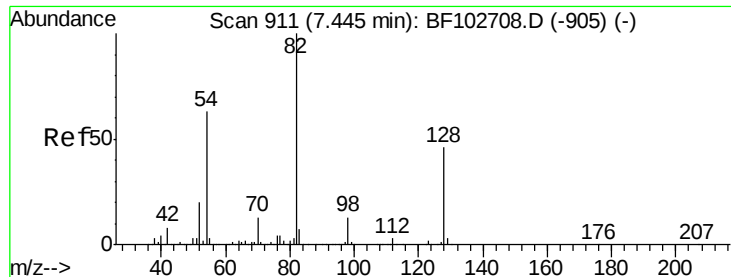
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

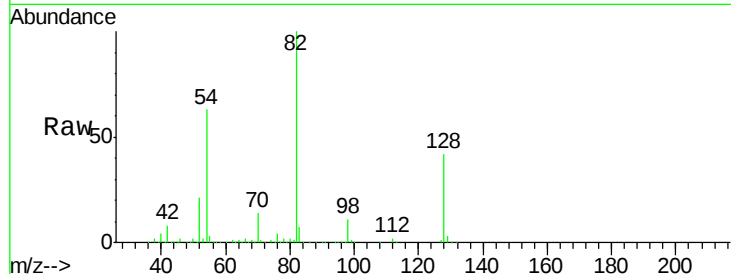




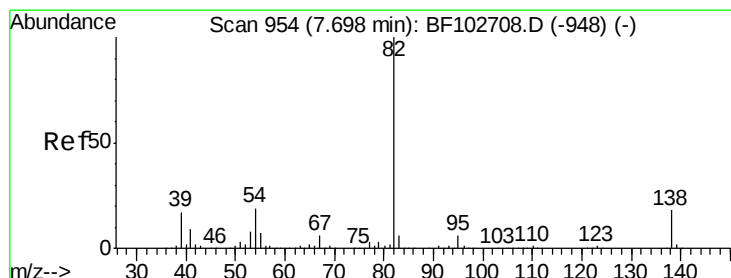
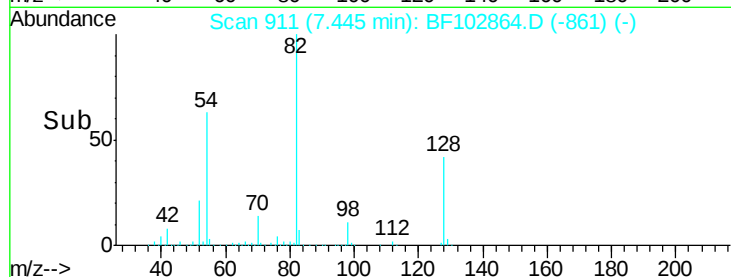
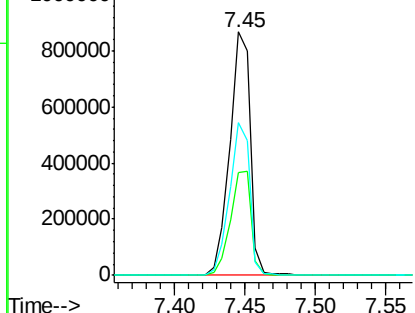
#23
Nitrobenzene-d5
Concen: 86.20 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102864.D
Acq: 8 Feb 2018 18:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	880221
Ion Ratio	100	Lower	Upper
128	42.0	36.1	54.1
54	63.0	41.4	62.2#

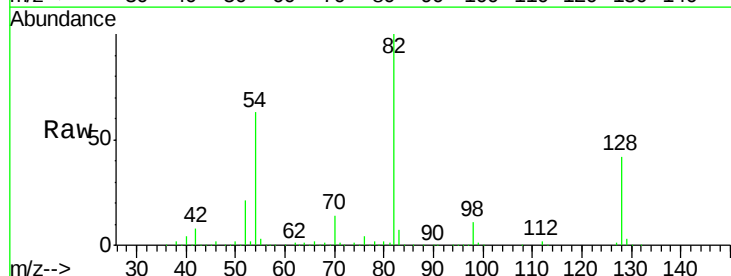


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

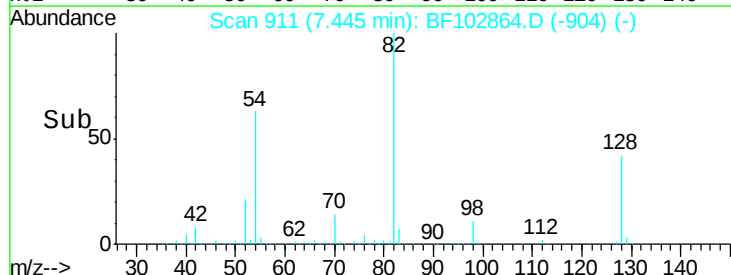
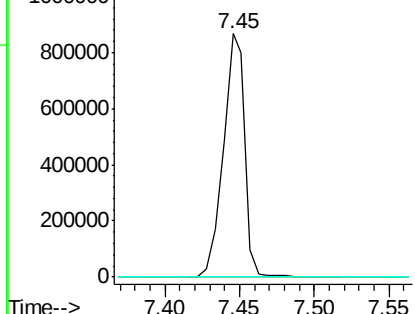


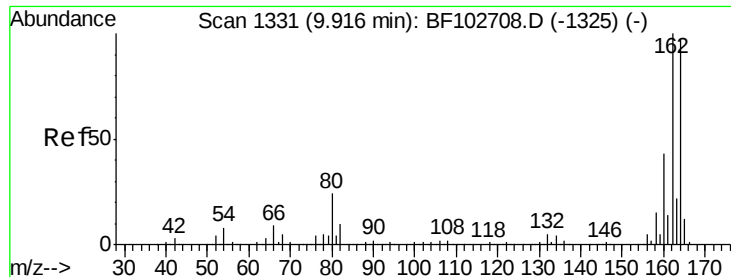
#25
Isophorone
Concen: 37.44 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102864.D
Acq: 8 Feb 2018 18:55

Tgt Ion	82	Resp	880204
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

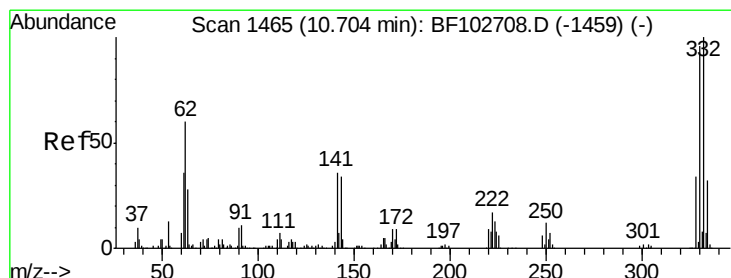
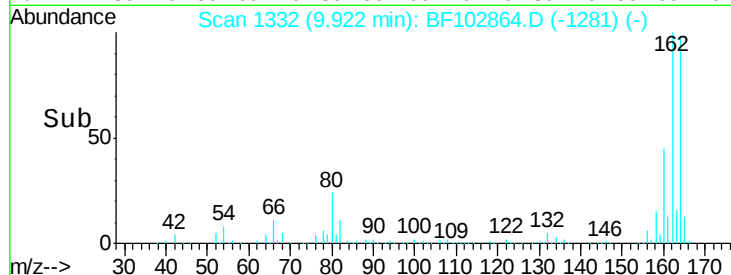
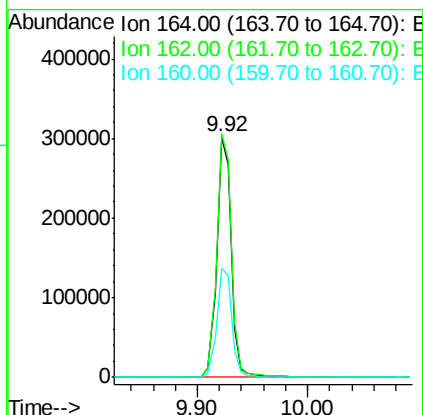
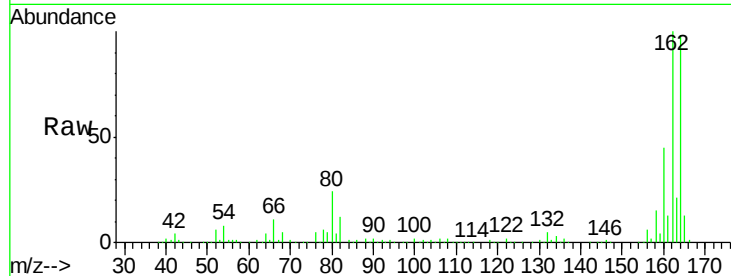




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102864.D
 Acq: 8 Feb 2018 18:55

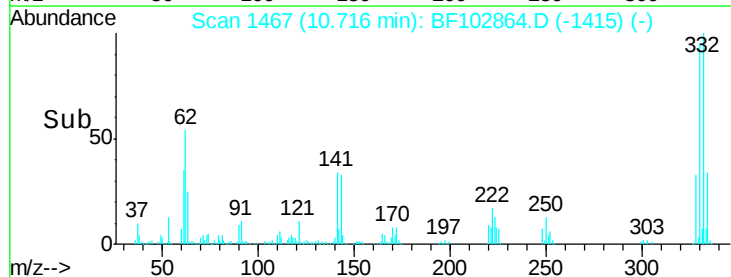
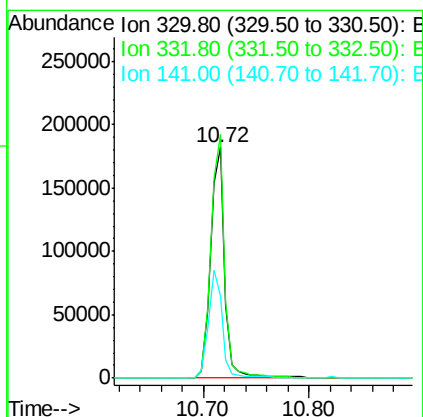
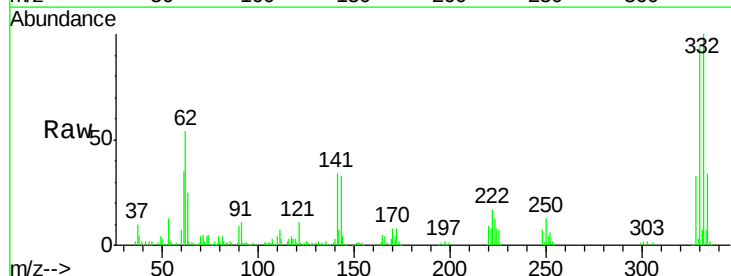
Instrument :
 BNA_F
 ClientSampleId :

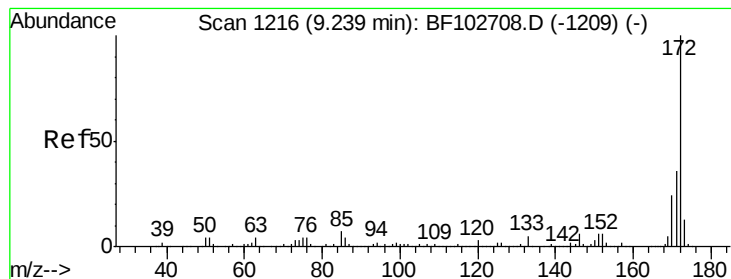
Tot Ion:164 Resp: 275333
 Ion Ratio Lower Upper
 164 100
 162 101.6 86.1 129.1
 160 45.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 77.31 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102864.D
 Acq: 8 Feb 2018 18:55

Tgt Ion:330 Resp: 171325
 Ion Ratio Lower Upper
 330 100
 332 104.2 77.0 115.6
 141 46.3 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 67.21 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

Instrument :

BNA_F

ClientSampled :

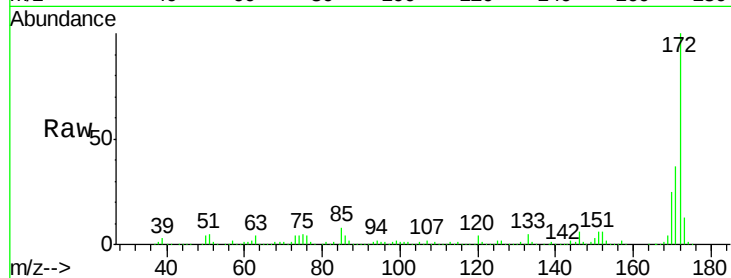
Tot Ion:172 Resp: 1115278

Ion Ratio Lower Upper

172 100

171 36.8 29.7 44.5

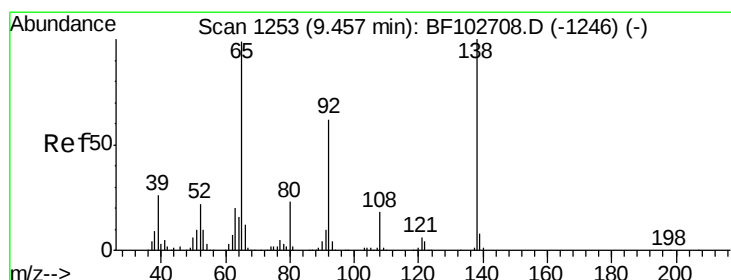
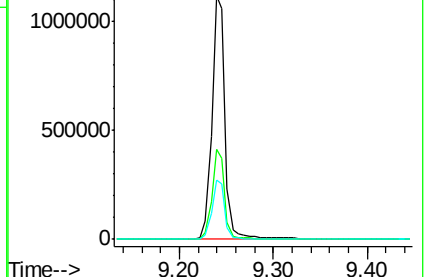
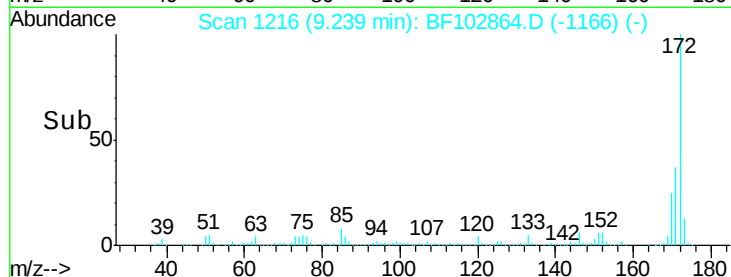
170 24.6 19.6 29.4



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: 3.80 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.17 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

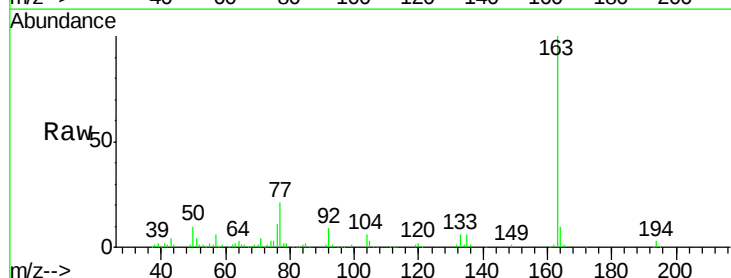
Tgt Ion: 65 Resp: 2013

Ion Ratio Lower Upper

65 100

92 629.4 55.8 83.6#

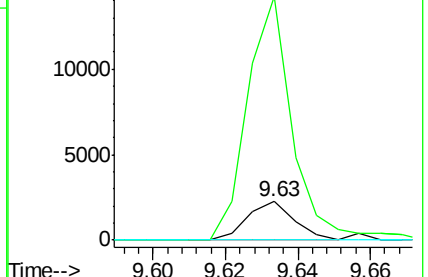
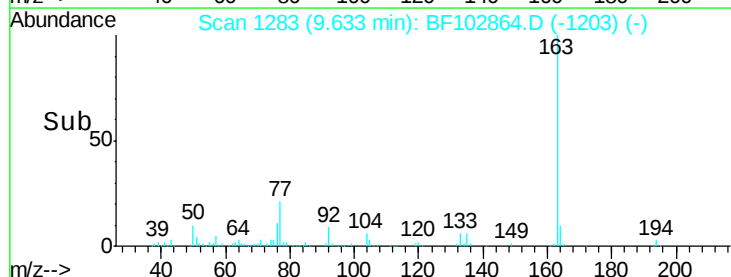
138 0.0 91.2 136.8#

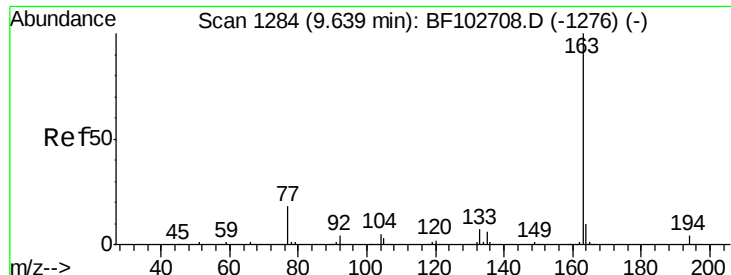


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

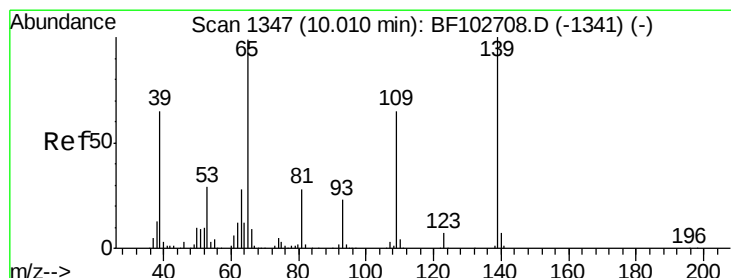
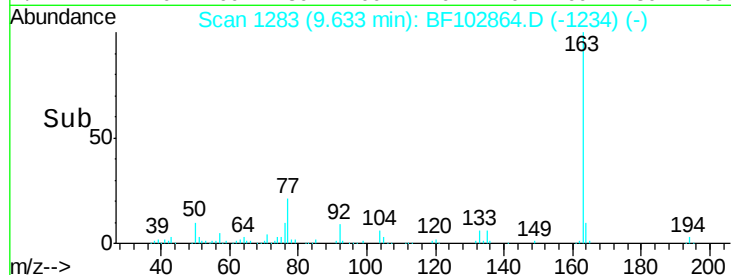
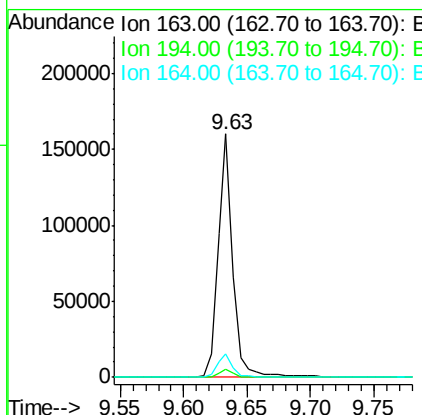
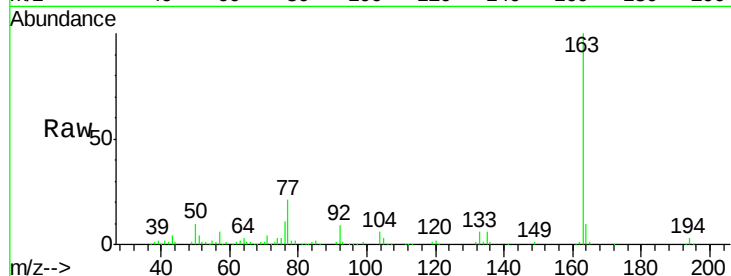




#49
Dimethylphthalate
Concen: 6.10 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102864.D
Acq: 8 Feb 2018 18:55

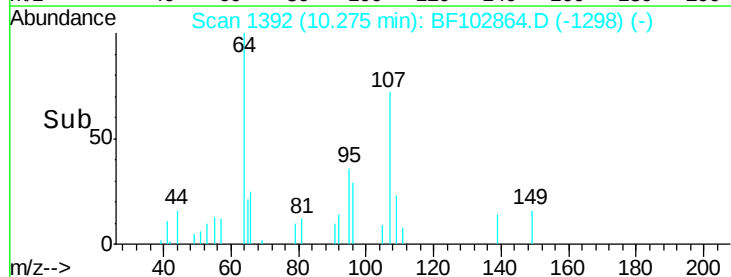
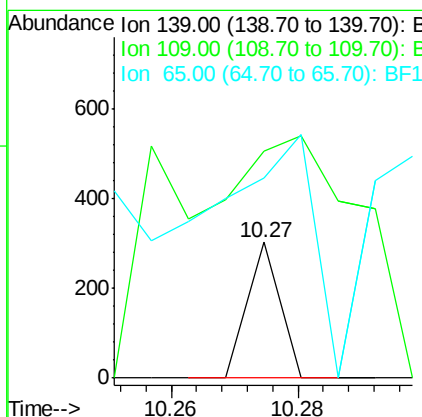
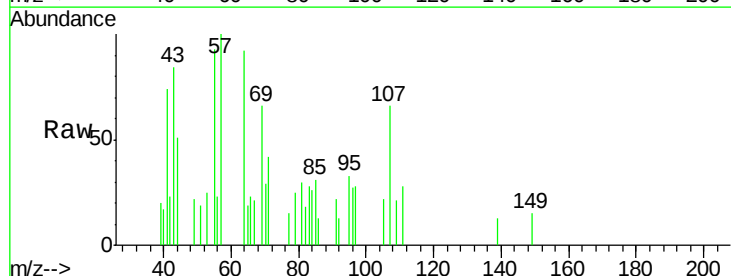
Instrument :
BNA_F
ClientSampleId :

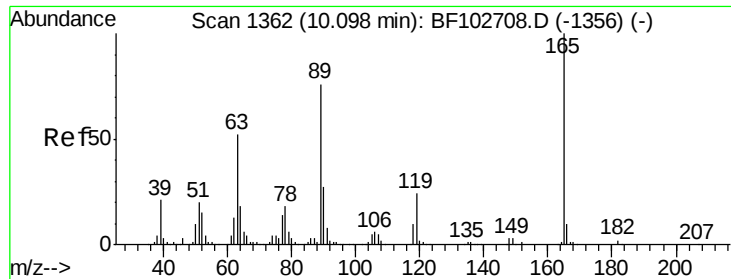
Tot Ion:163 Resp: 130959
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.7 8.2 12.2



#55
4-Nitrophenol
Concen: 4.05 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.25 min
Lab File: BF102864.D
Acq: 8 Feb 2018 18:55

Tgt Ion:139 Resp: 107
Ion Ratio Lower Upper
139 100
109 167.0 48.4 88.4#
65 147.5 72.6 112.6#

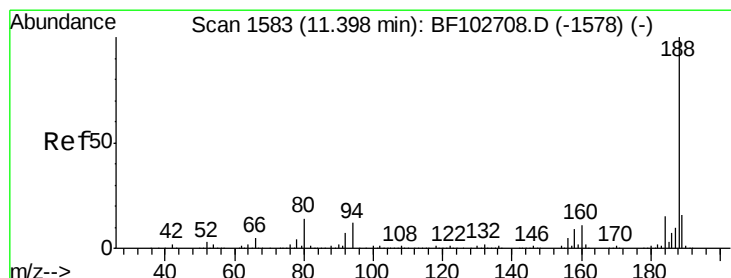
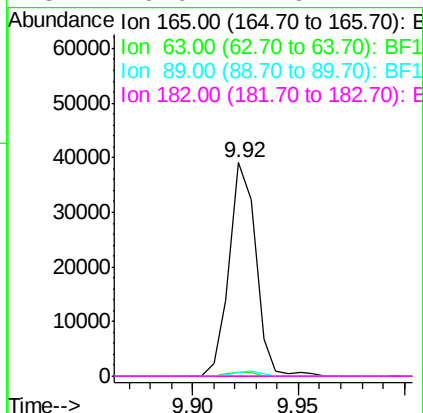
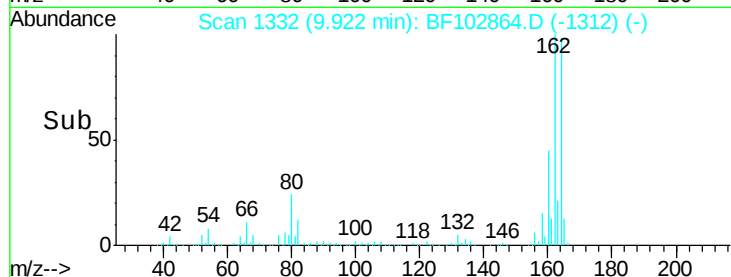
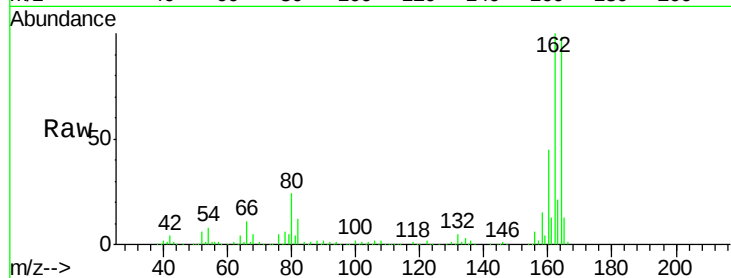




#56
 2,4-Dinitrotoluene
 Concen: 8.94 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102864.D
 Acq: 8 Feb 2018 18:55

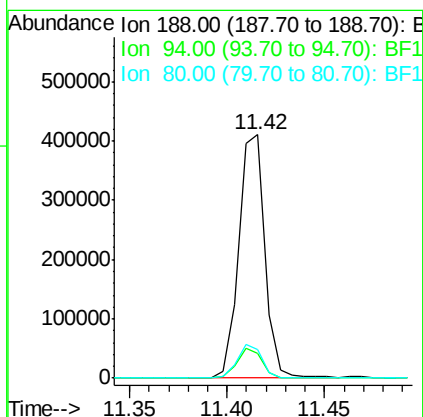
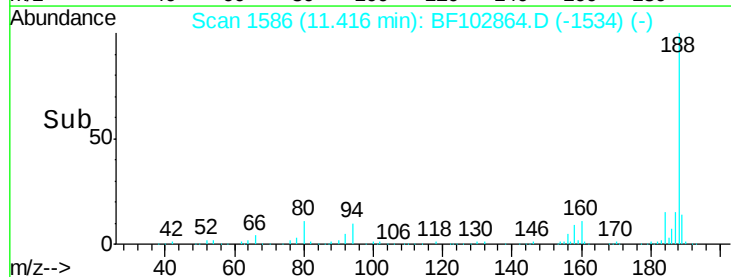
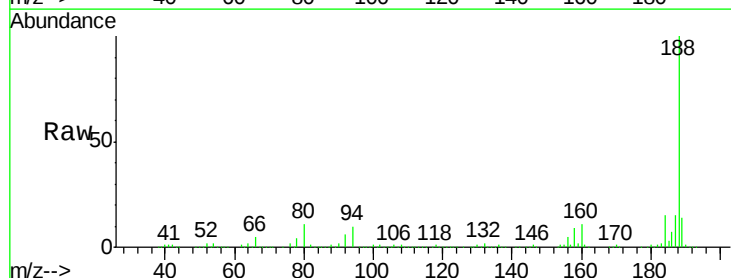
Instrument :
 BNA_F
 ClientSampleId :

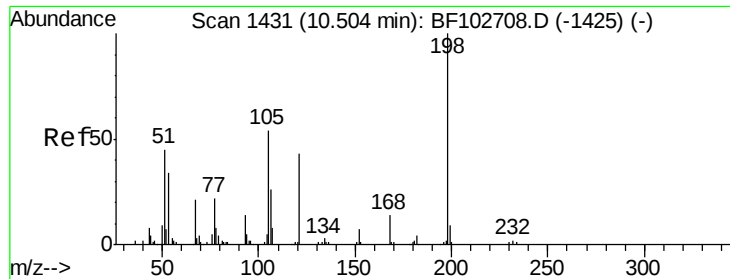
Tot Ion:165 Resp: 34302
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF102864.D
 Acq: 8 Feb 2018 18:55

Tgt Ion:188 Resp: 379739
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 11.5 9.2 13.8

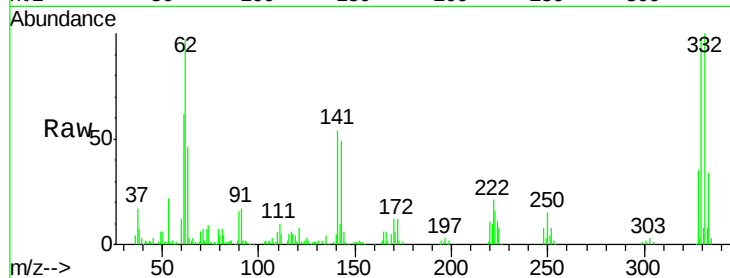




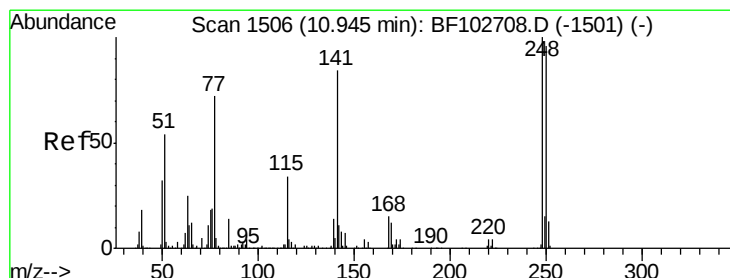
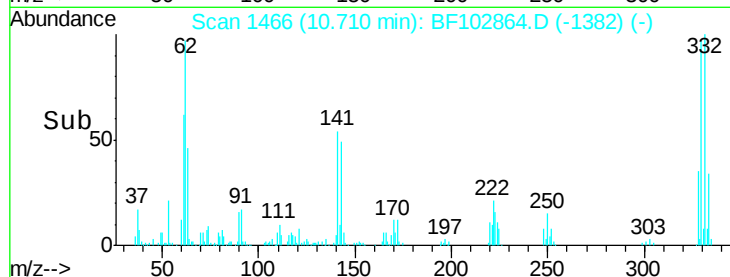
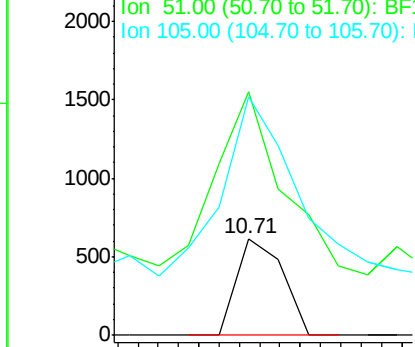
#64
4,6-Dinitro-2-methylphenol
Concen: 9.02 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102864.D
Acq: 8 Feb 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 386
Ion Ratio Lower Upper
198 100
51 252.6 37.7 77.7#
105 247.7 36.3 76.3#

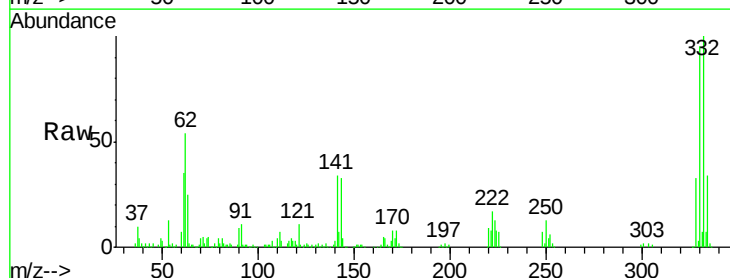


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

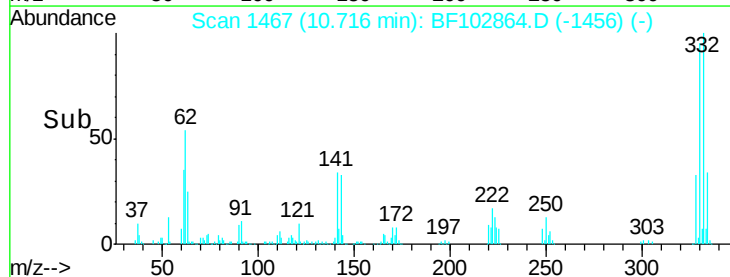
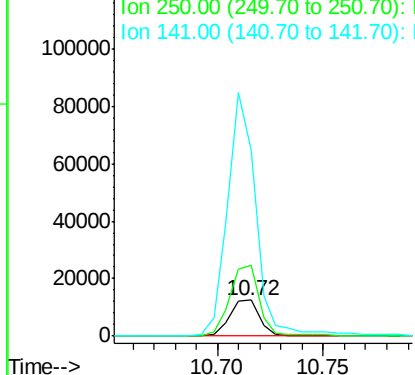


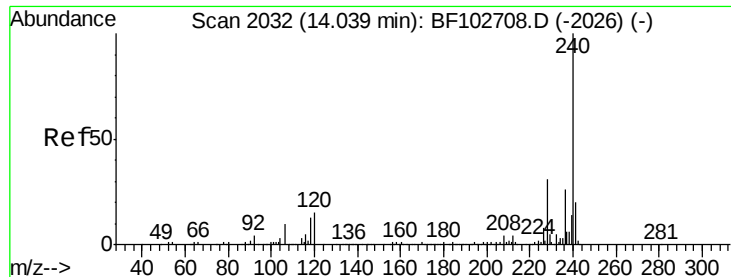
#66
4-Bromophenyl-phenylether
Concen: 3.05 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF102864.D
Acq: 8 Feb 2018 18:55

Tgt Ion:248 Resp: 12242
Ion Ratio Lower Upper
248 100
250 194.3 76.9 115.3#
141 514.8 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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

Instrument :

BNA_F

ClientSampleId :

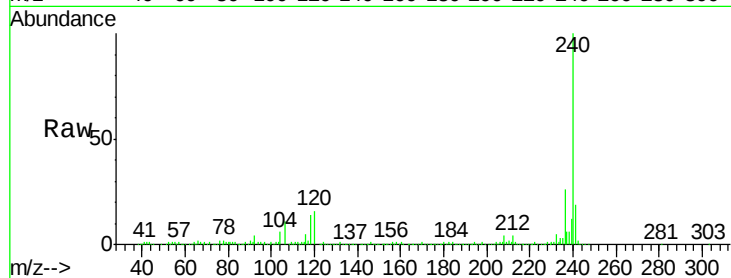
Tot Ion:240 Resp: 342031

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

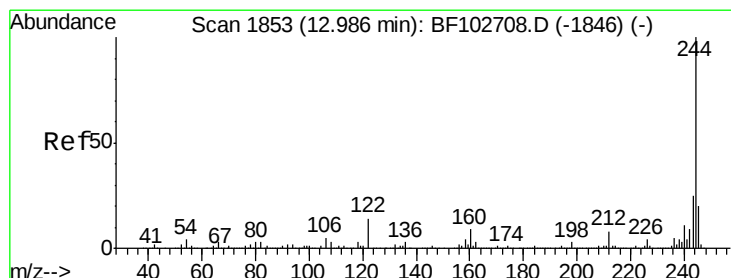
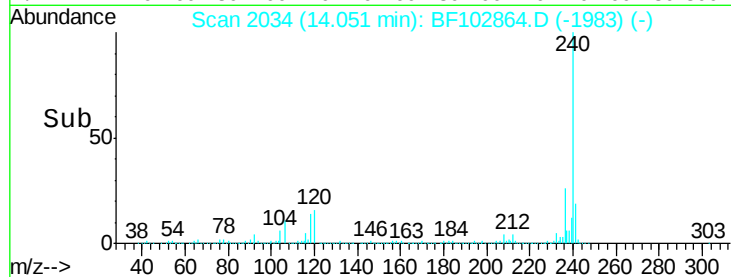
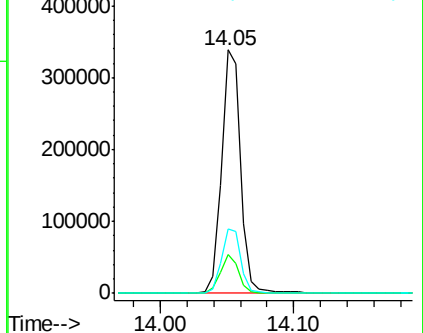
236 26.4 20.7 31.1



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: 50.98 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102864.D

Acq: 8 Feb 2018 18:55

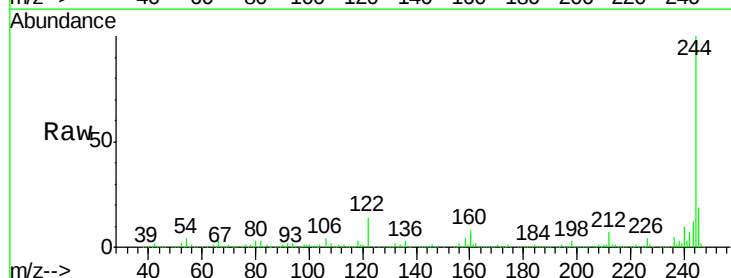
Tgt Ion:244 Resp: 736474

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

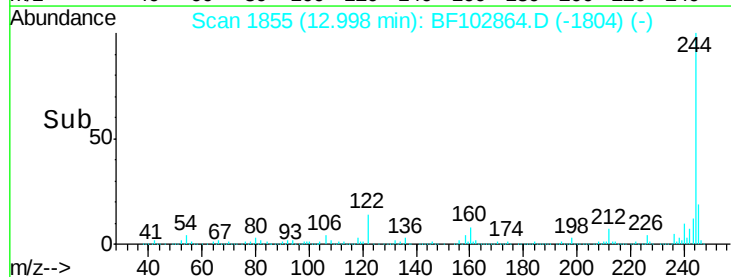
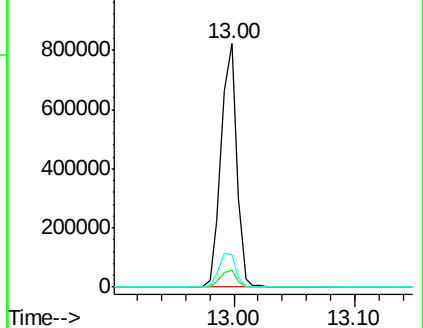
122 13.6 11.0 16.4

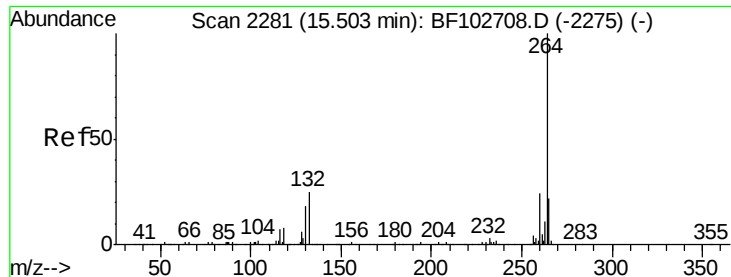


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102864.D
Acq: 8 Feb 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.7	17.5	26.3

