

Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\
 Data File : BF102721.D
 Acq On : 3 Feb 2018 17:09
 Operator : SJ/JU
 Sample : J1431-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 01:25:01 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 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	174977	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	711514	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	259436	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	199500	20.00	ng	0.03
75) Chrysene-d12	14.06	240	275329	20.00	ng	0.02
86) Perylene-d12	15.53	264	334562	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1181662	102.56	ng	0.00
7) Phenol-d6	6.50	99	1420000	102.36	ng	0.00
23) Nitrobenzene-d5	7.44	82	855926	83.45	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	198523	95.07	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	1410679	90.23	ng	0.00
78) Terphenyl-d14	13.02	244	639532	55.00	ng	0.04

Target Compounds

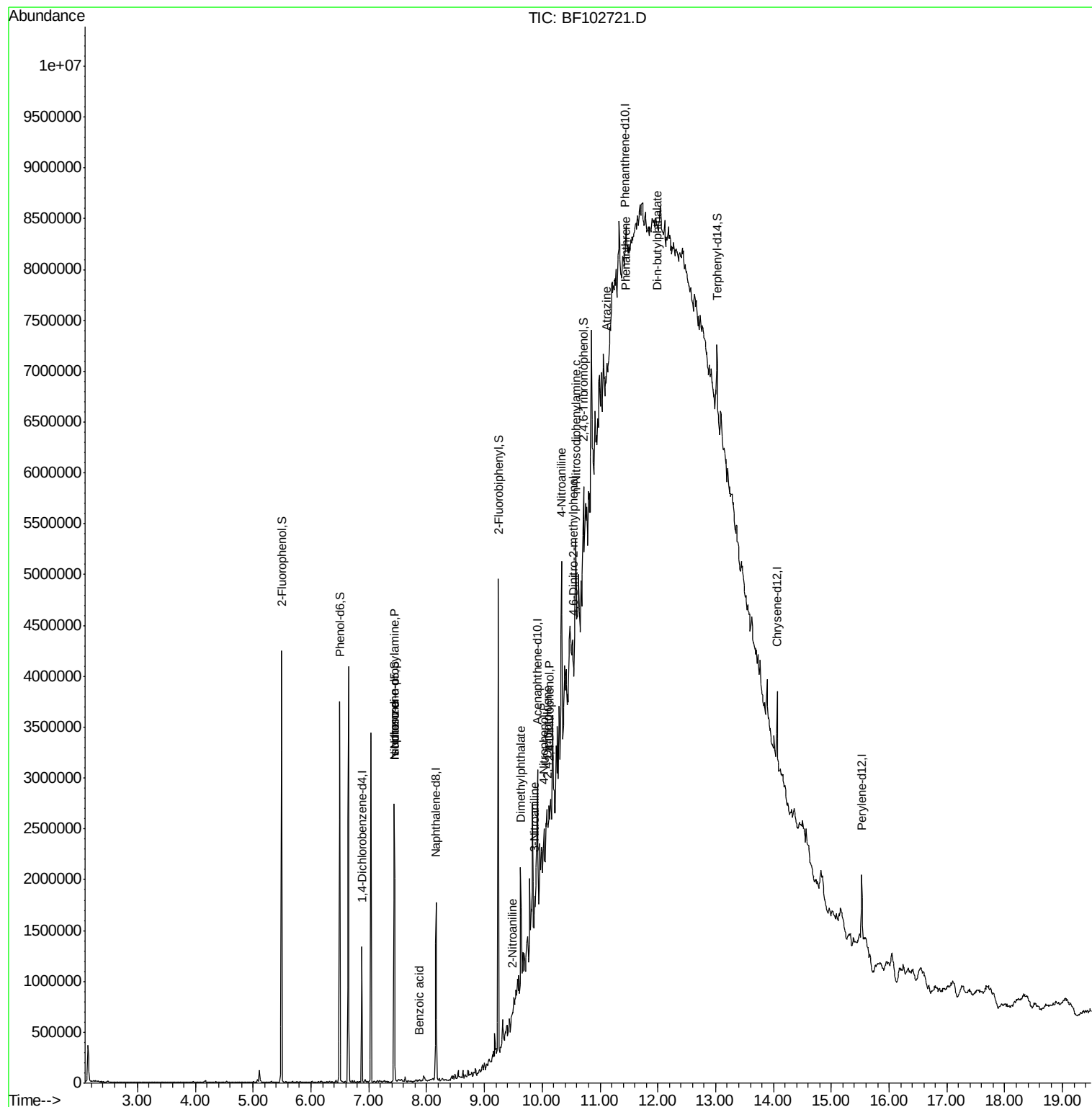
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	115753	12.655	ng	# 83
25) Isophorone	7.44	82	855756	36.234	ng	# 64
32) Benzoic acid	7.88	122	124	8.560	ng	96
47) 2-Nitroaniline	9.47	65	2440	3.899	ng	# 72
49) Dimethylphthalate	9.63	163	75511	3.733	ng	# 87
52) 3-Nitroaniline	9.87	138	11031	2.329	ng	# 16
53) 2,4-Dinitrophenol	10.12	184	1547	10.186	ng	# 1
55) 4-Nitrophenol	10.03	139	3497	4.877	ng	# 1
56) 2,4-Dinitrotoluene	10.09	165	1513	3.350	ng	# 51
61) 4-Nitroaniline	10.33	138	23195	5.146	ng	80
64) 4,6-Dinitro-2-methylphenol	10.54	198	1901	10.900	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	44191	6.280	ng	# 48
68) Atrazine	11.10	200	4182	2.014	ng	# 1
70) Phenanthrene	11.45	178	70975	6.388	ng	# 38
73) Di-n-butylphthalate	11.99	149	47395	3.524	ng	# 36

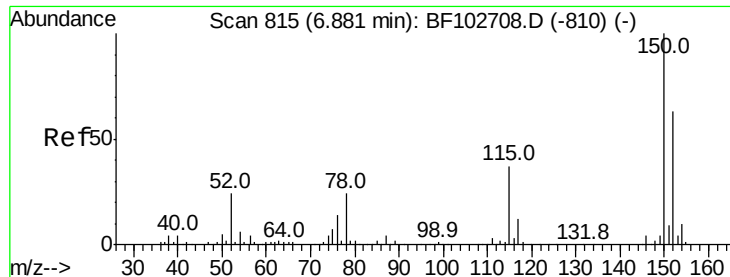
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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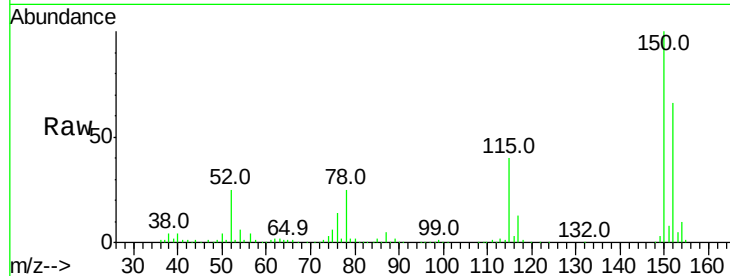


#1

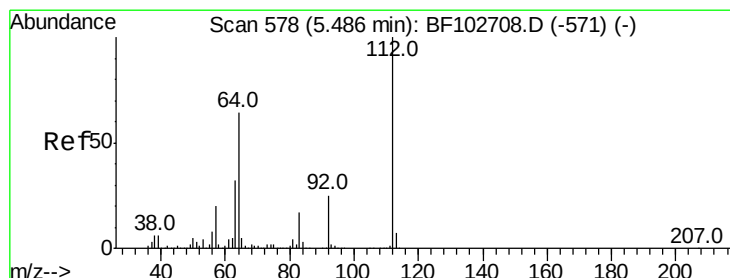
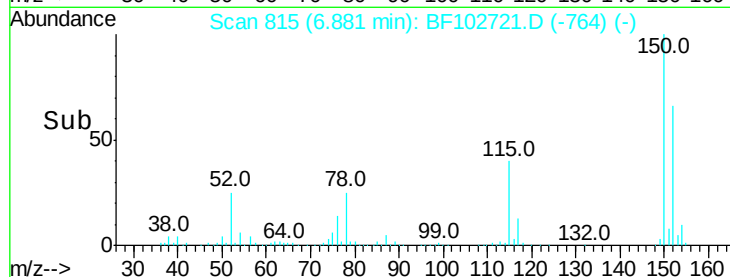
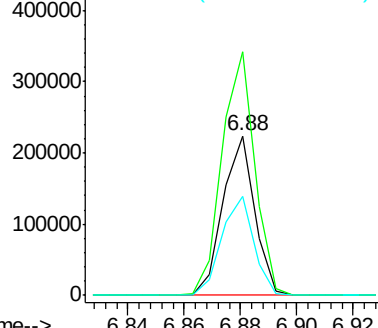
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102721.D
Acq: 3 Feb 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 174977
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 61.7 50.1 75.1



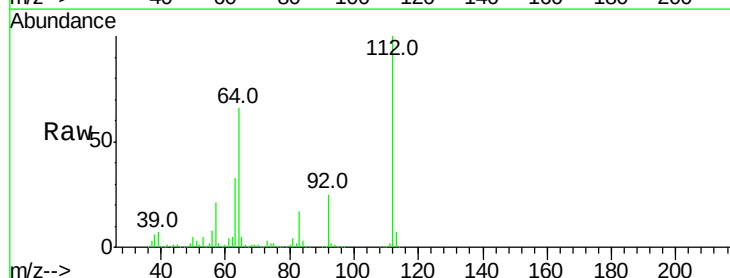
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



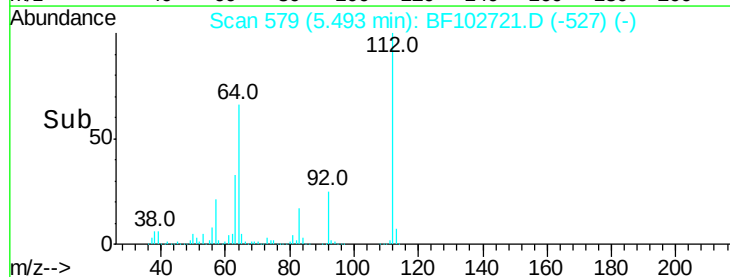
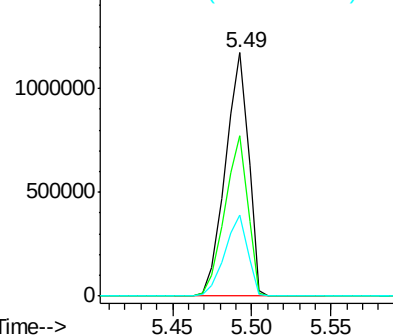
#5

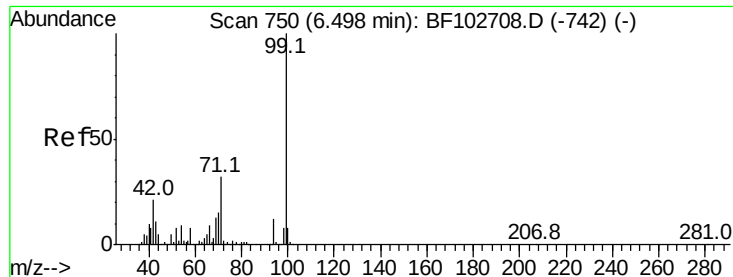
2-Fluorophenol
Concen: 102.559 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF102721.D
Acq: 3 Feb 2018 17:09

Tgt Ion:112 Resp: 1181662
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 33.4 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: 102.357 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

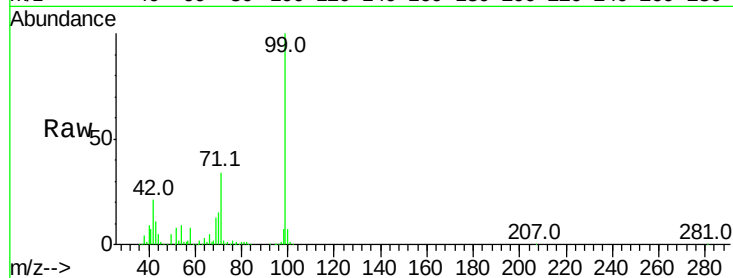
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1420000

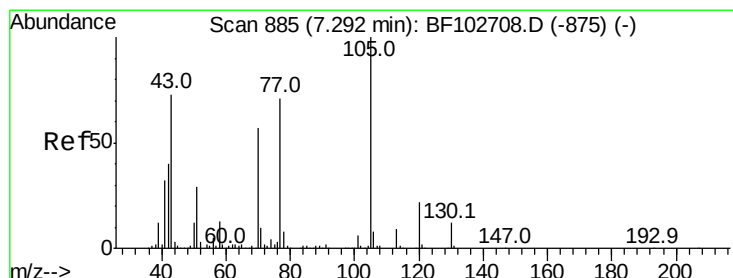
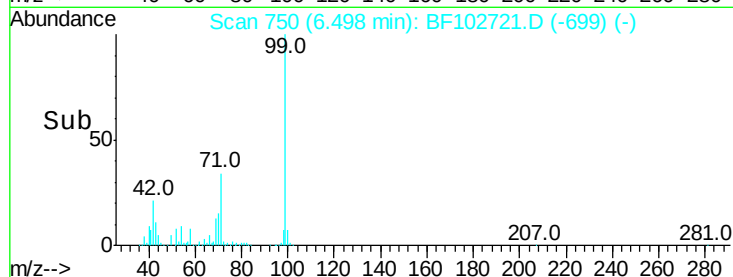
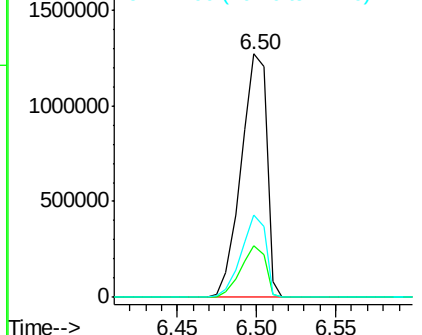
Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	33.8	25.4	38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.655 ng

RT: 7.44 min Scan# 910

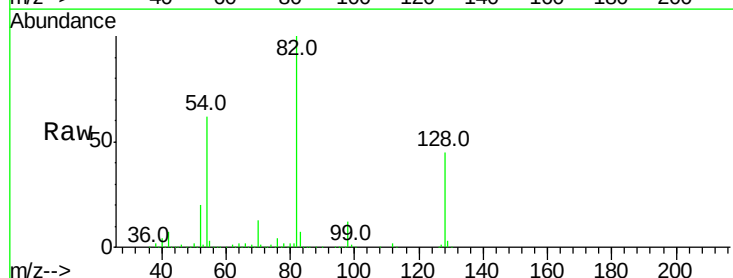
Delta R.T. 0.15 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Tgt Ion: 70 Resp: 115753

Ion	Ratio	Lower	Upper
70	100		
42	53.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

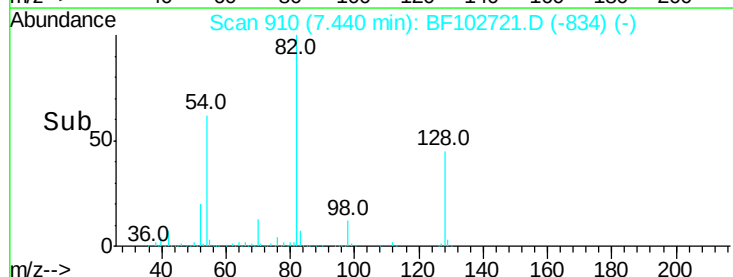
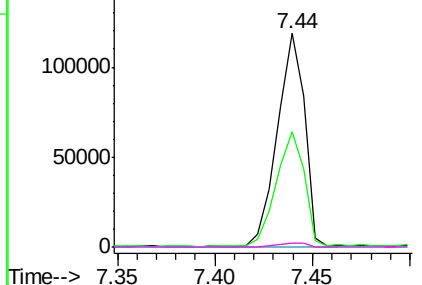


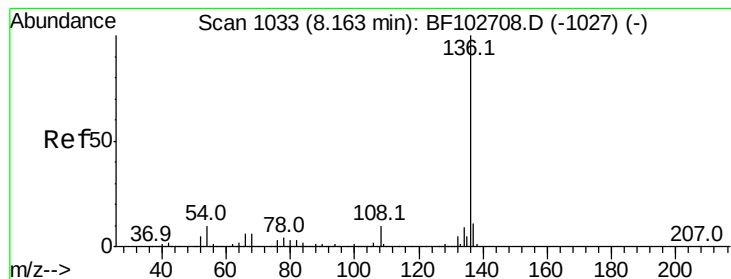
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 711514

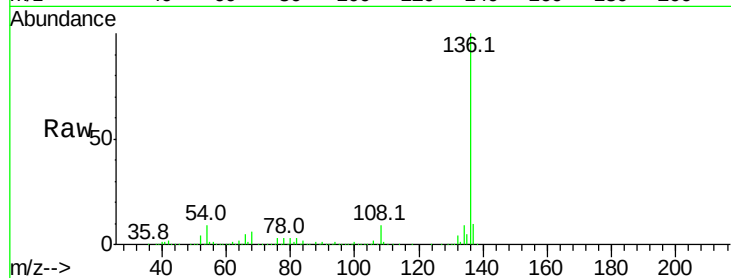
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 9.0 6.6 9.8

68 6.0 5.0 7.4

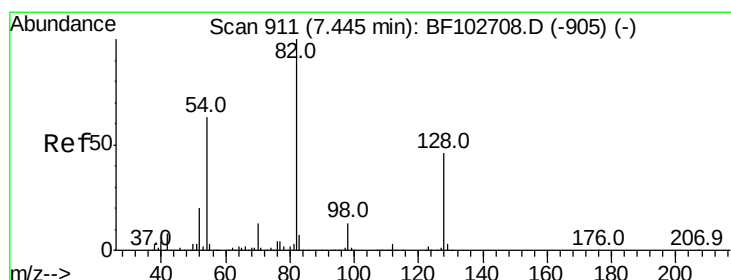
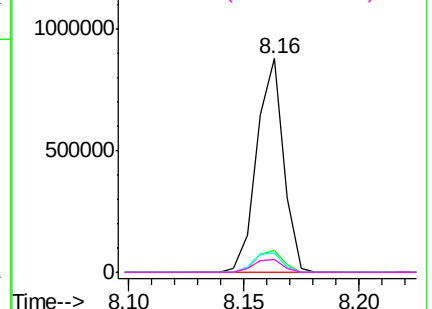
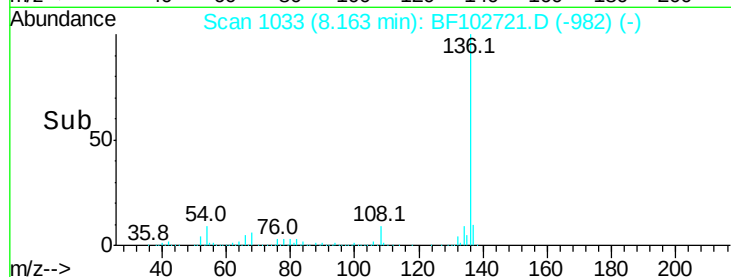


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.450 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

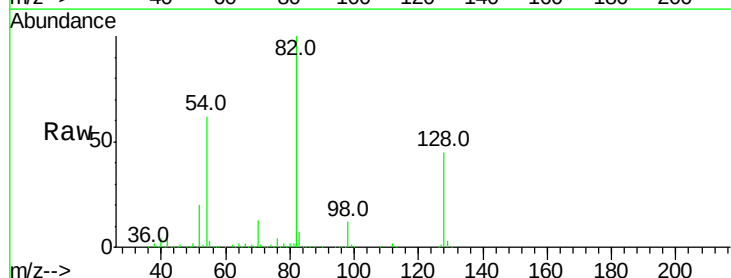
Tgt Ion: 82 Resp: 855926

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

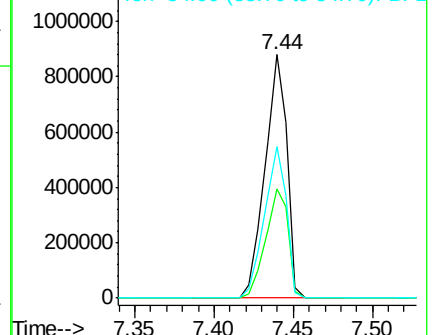
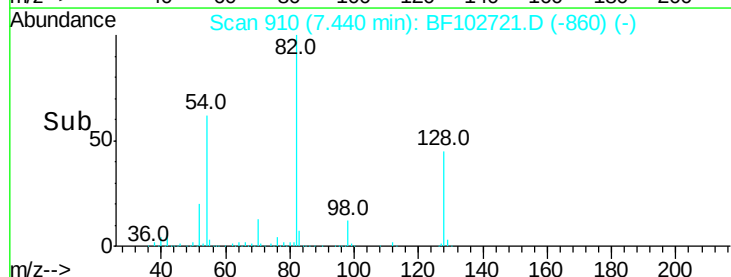
54 62.4 41.4 62.2#

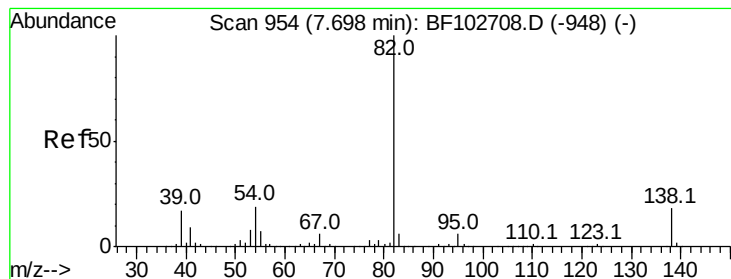


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.234 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Instrument :

BNA_F

ClientSampled :

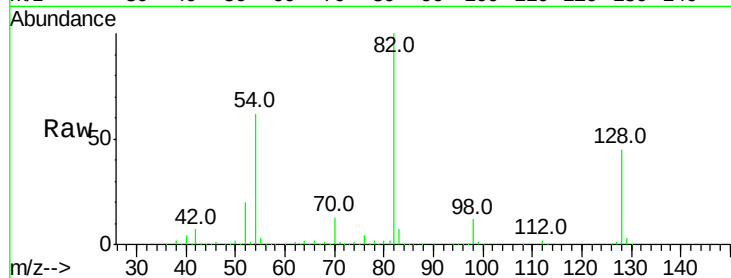
Tot Ion: 82 Resp: 855756

Ion Ratio Lower Upper

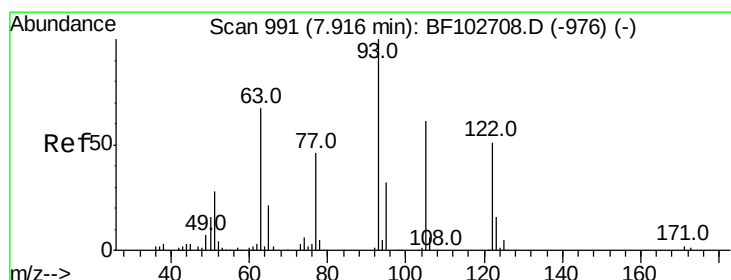
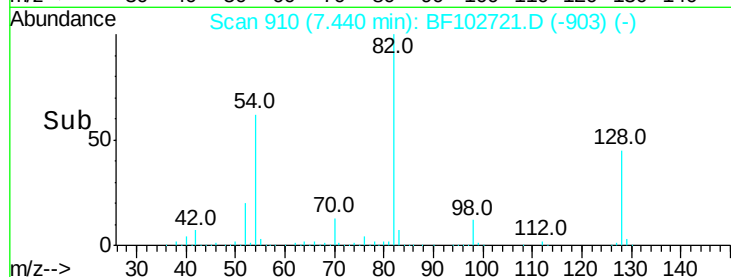
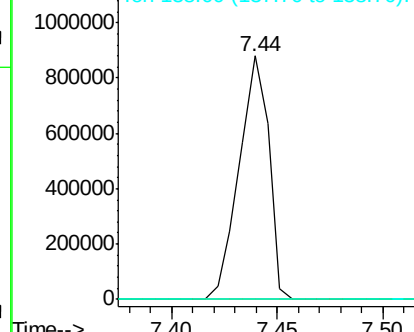
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 8.560 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.03 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

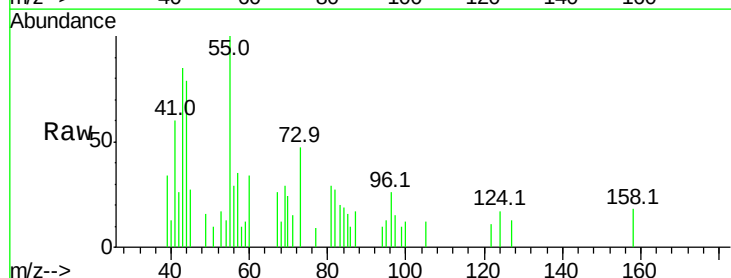
Tgt Ion: 122 Resp: 124

Ion Ratio Lower Upper

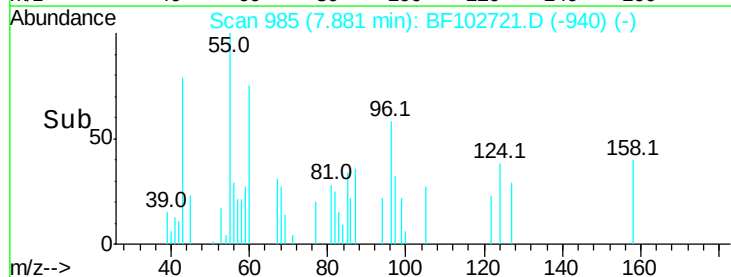
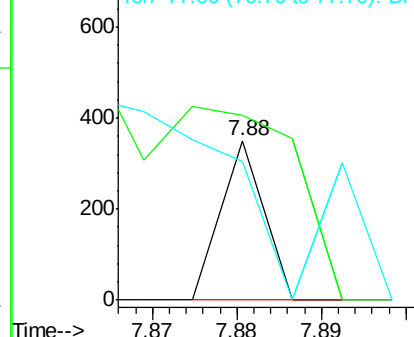
122 100

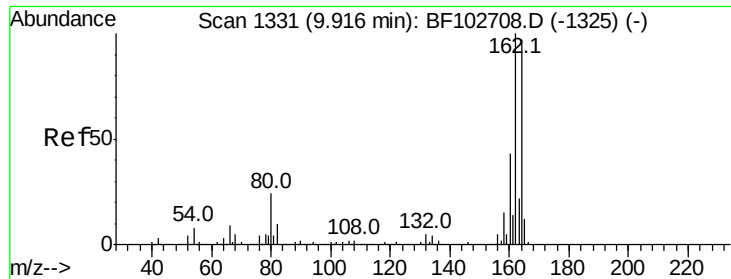
105 116.3 101.1 141.1

77 87.1 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
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. 0.01 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Instrument :

BNA_F

ClientSampleId :

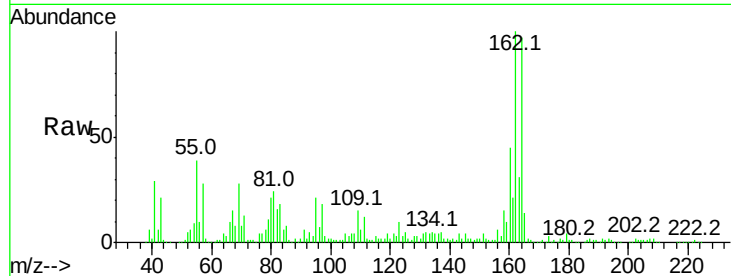
Tot Ion:164 Resp: 259436

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

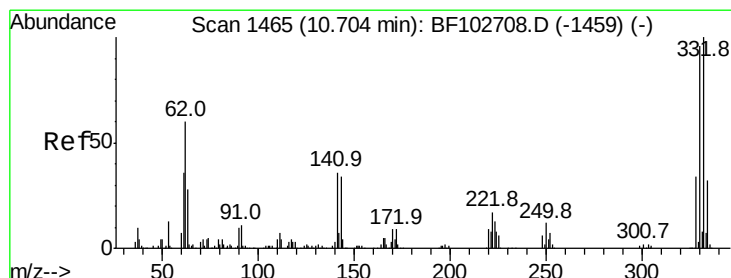
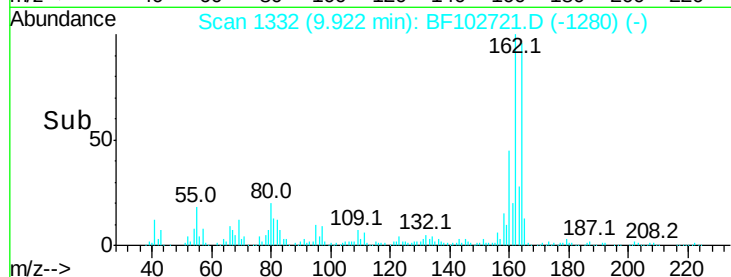
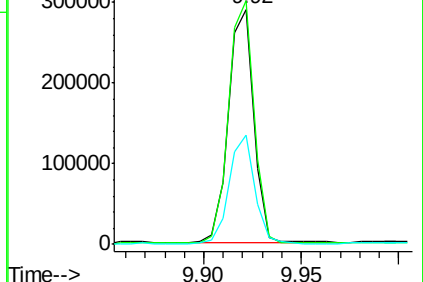
160 46.7 38.3 57.5



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: 95.071 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

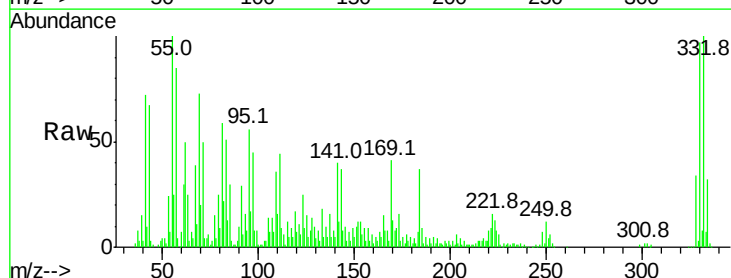
Tgt Ion:330 Resp: 198523

Ion Ratio Lower Upper

330 100

332 101.6 77.0 115.6

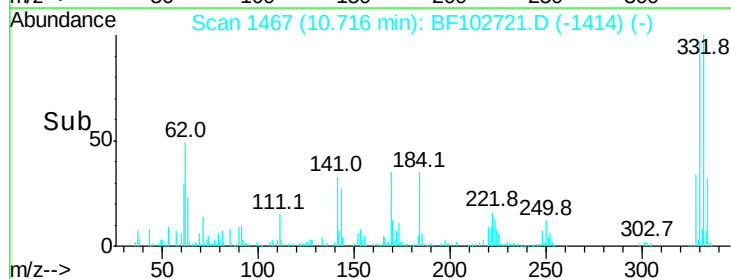
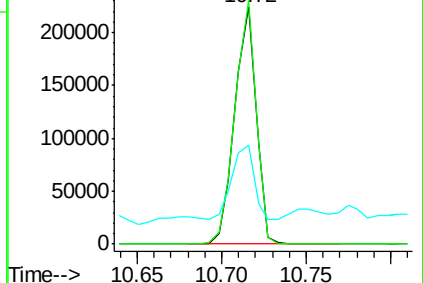
141 32.4 29.9 44.9

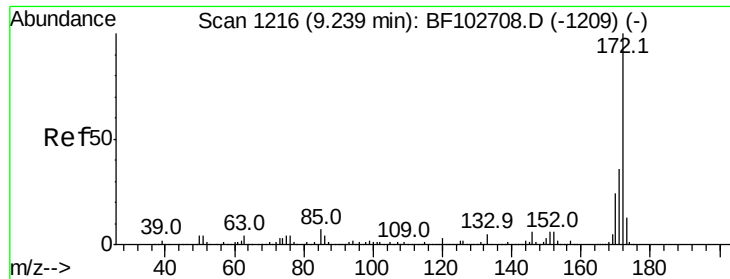


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

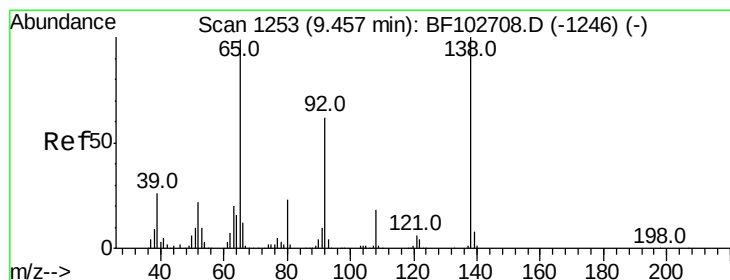
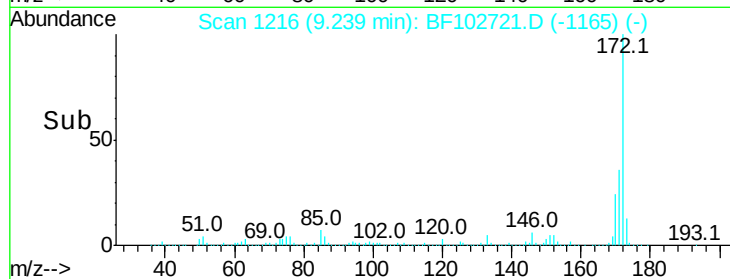
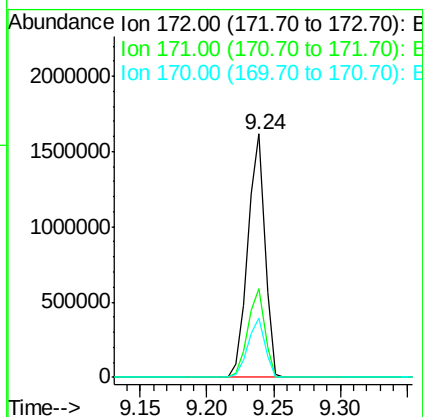
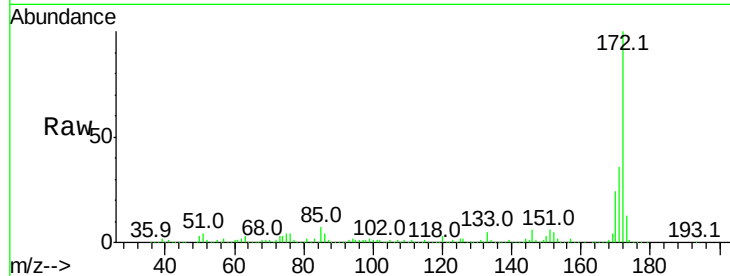




#44
2-Fluorobiphenyl
Concen: 90.227 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.00 min
Lab File: BF102721.D
Acq: 3 Feb 2018 17:09

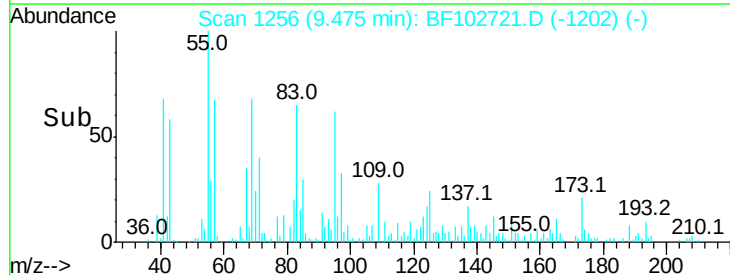
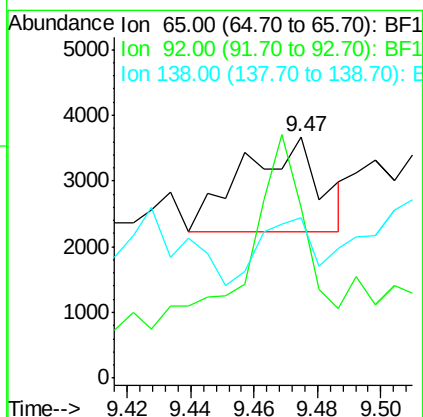
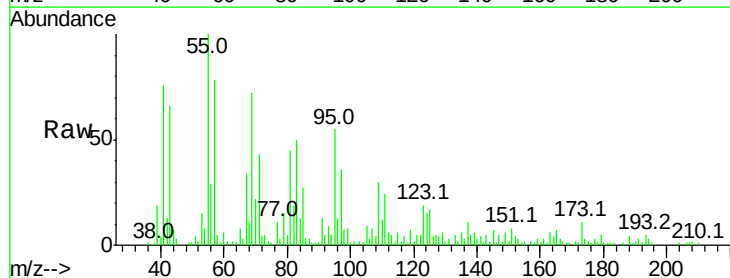
Instrument :
BNA_F
ClientSampleId :

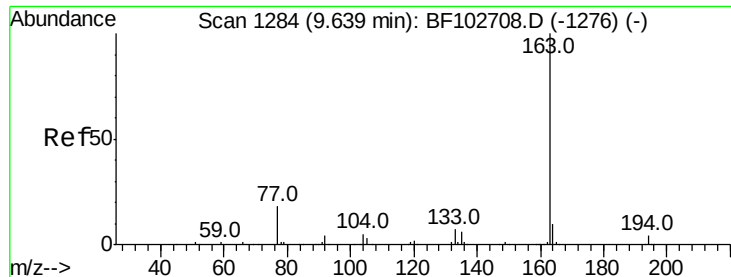
Tot Ion:172 Resp: 1410679
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.4 19.6 29.4



#47
2-Nitroaniline
Concen: 3.899 ng
RT: 9.47 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BF102721.D
Acq: 3 Feb 2018 17:09

Tgt Ion: 65 Resp: 2440
Ion Ratio Lower Upper
65 100
92 70.7 55.8 83.6
138 66.4 91.2 136.8#

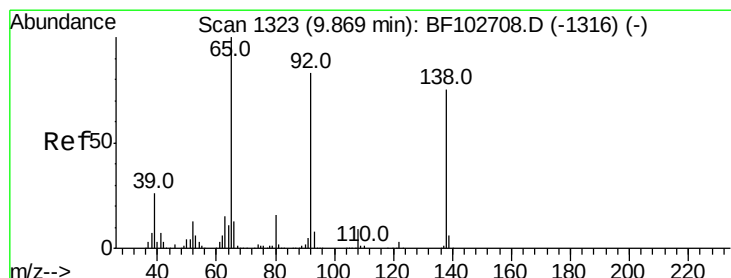
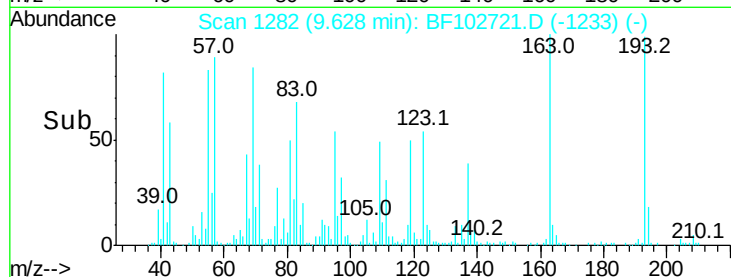
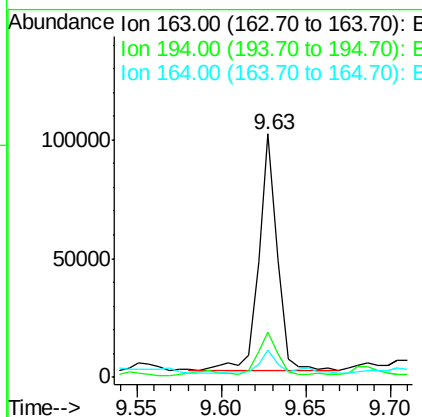
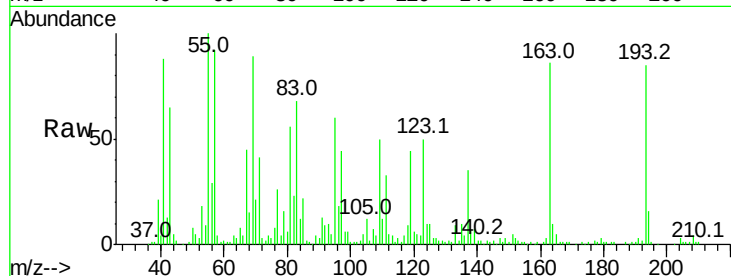




#49
 Dimethylphthalate
 Concen: 3.733 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF102721.D
 Acq: 3 Feb 2018 17:09

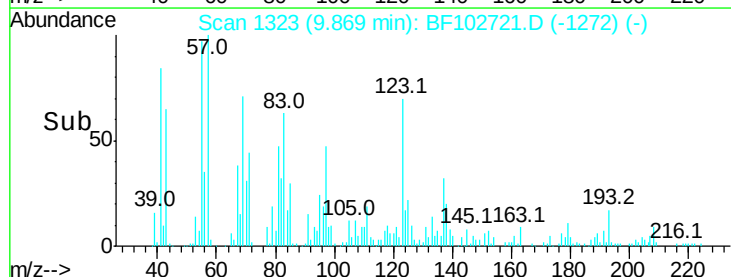
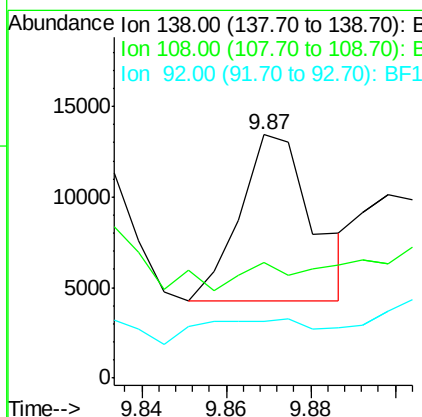
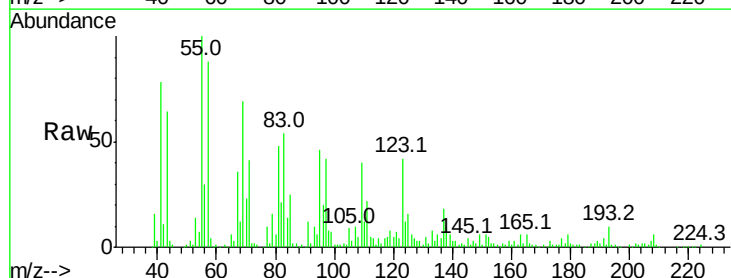
Instrument :
 BNA_F
 ClientSampled :

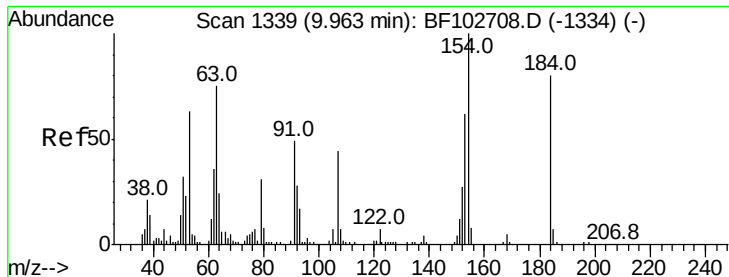
Tot Ion:163 Resp: 75511
 Ion Ratio Lower Upper
 163 100
 194 18.8 2.7 4.1#
 164 11.1 8.2 12.2



#52
 3-Nitroaniline
 Concen: 2.329 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF102721.D
 Acq: 3 Feb 2018 17:09

Tgt Ion:138 Resp: 11031
 Ion Ratio Lower Upper
 138 100
 108 47.7 9.4 14.0#
 92 23.2 89.4 134.2#





#53

2,4-Dinitrophenol

Concen: 10.186 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.15 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Instrument :

BNA_F

ClientSampled :

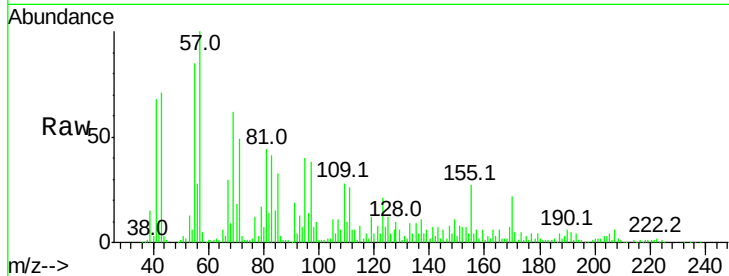
Tot Ion:184 Resp: 1547

Ion Ratio Lower Upper

184 100

63 314.2 54.2 81.2#

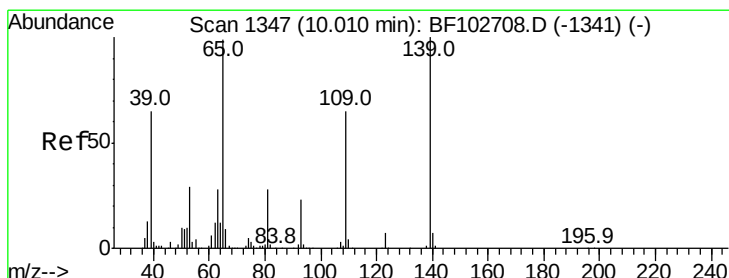
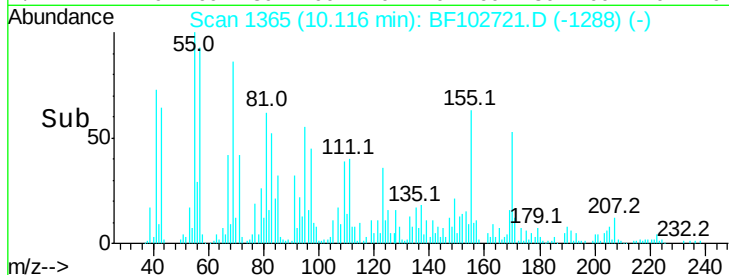
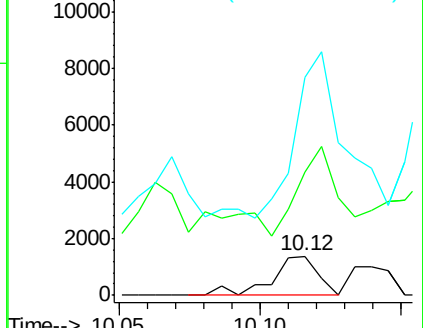
154 553.9 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 4.877 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.02 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

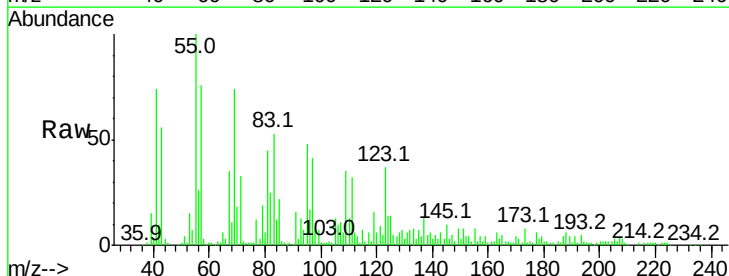
Tgt Ion:139 Resp: 3497

Ion Ratio Lower Upper

139 100

109 557.8 48.4 88.4#

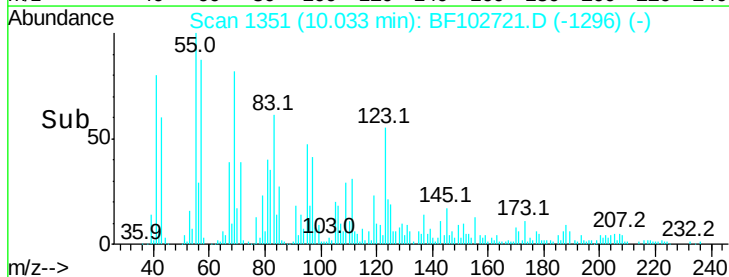
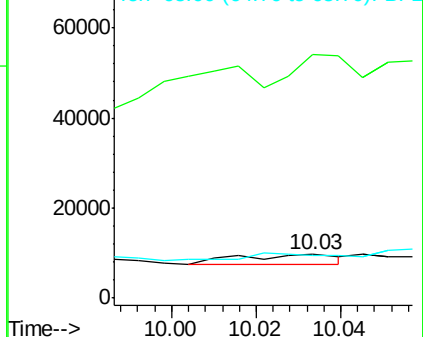
65 97.0 72.6 112.6

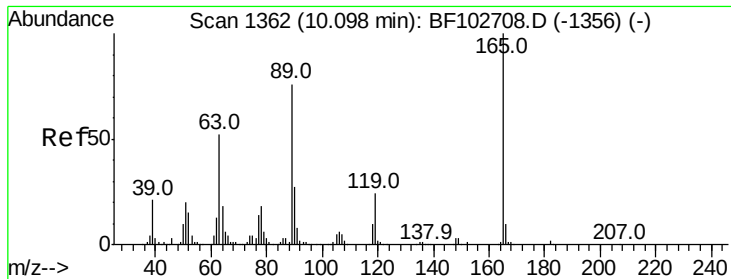


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

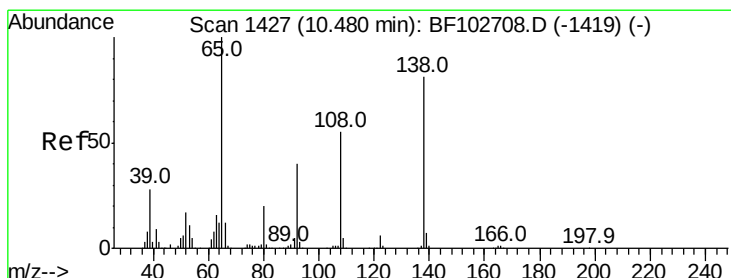
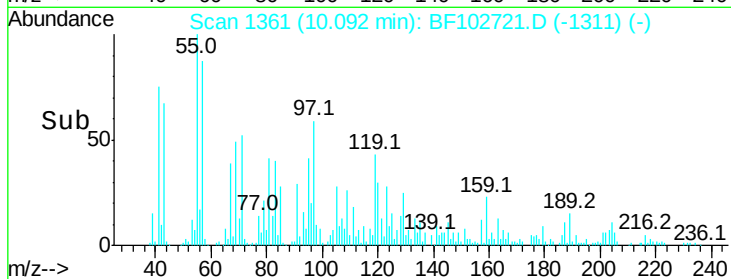
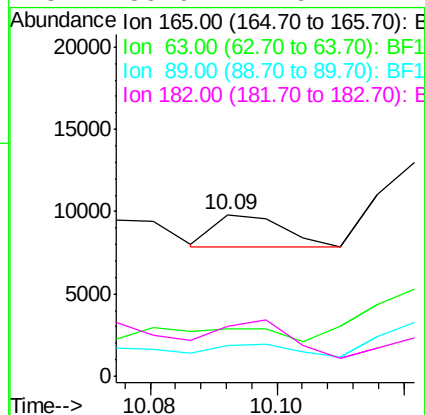
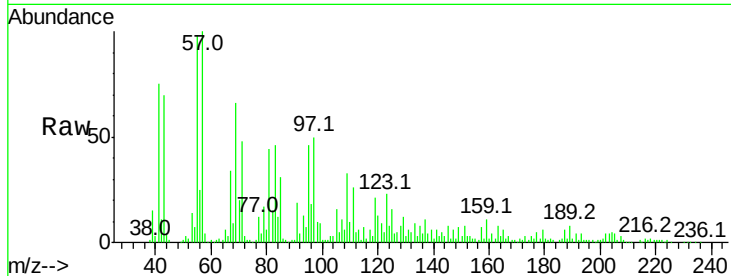




#56
 2,4-Dinitrotoluene
 Concen: 3.350 ng
 RT: 10.09 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: BF102721.D
 Acq: 3 Feb 2018 17:09

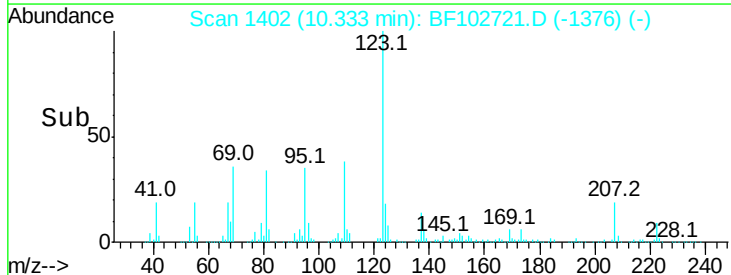
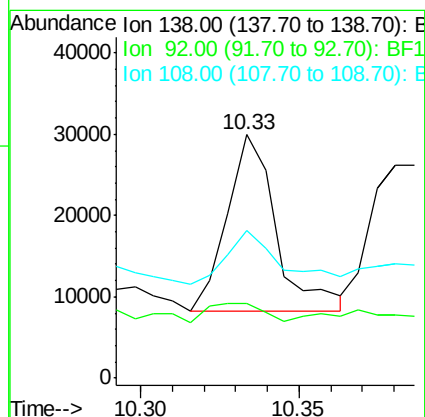
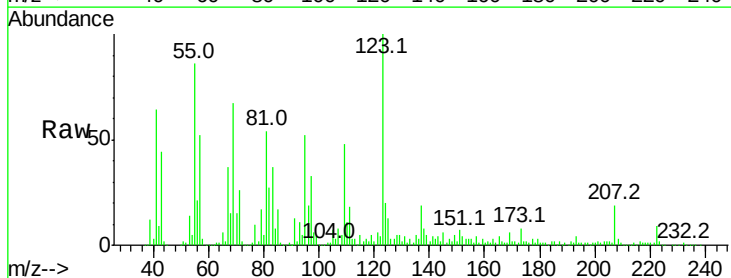
Instrument :
 BNA_F
 ClientSampled :

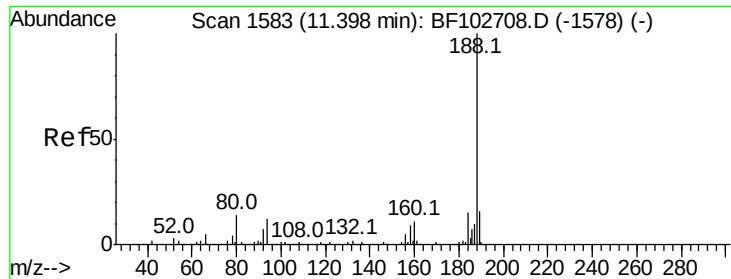
Tot Ion:165 Resp: 1513
 Ion Ratio Lower Upper
 165 100
 63 29.1 36.4 54.6#
 89 19.3 57.8 86.6#
 182 30.9 1.6 2.4#



#61
 4-Nitroaniline
 Concen: 5.146 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.15 min
 Lab File: BF102721.D
 Acq: 3 Feb 2018 17:09

Tgt Ion:138 Resp: 23195
 Ion Ratio Lower Upper
 138 100
 92 30.7 30.2 70.2
 108 60.5 52.5 92.5

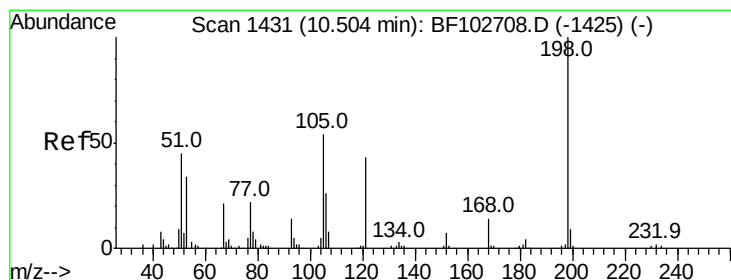
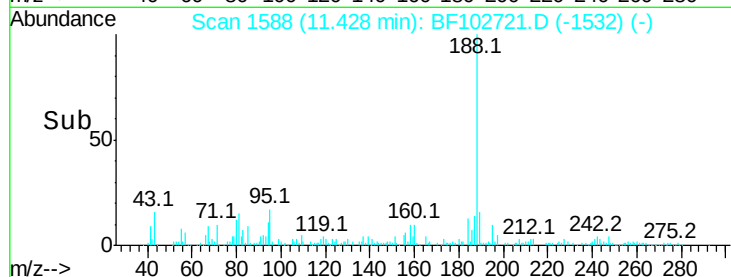
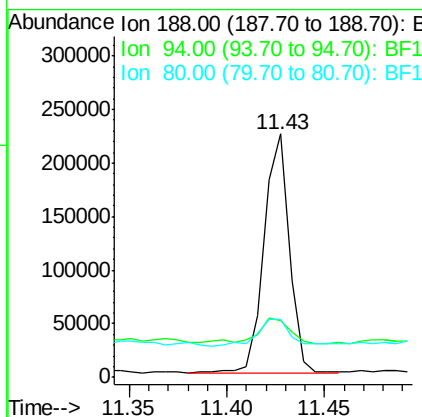
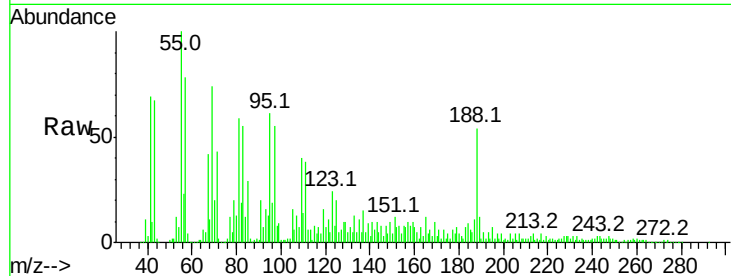




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.03 min
 Lab File: BF102721.D
 Acq: 3 Feb 2018 17:09

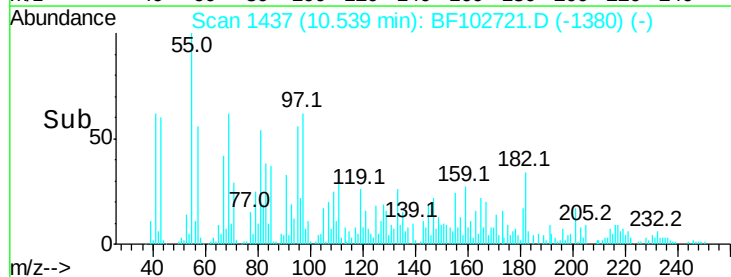
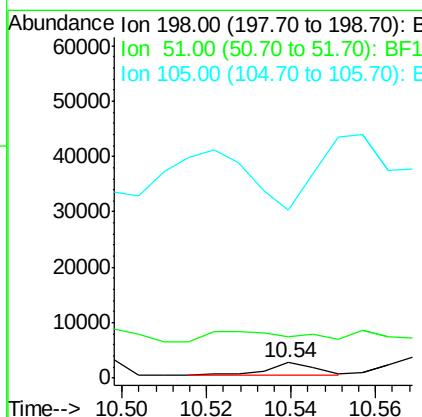
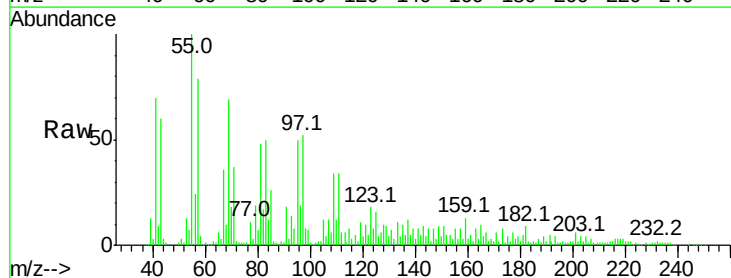
Instrument :
 BNA_F
 ClientSampleId :

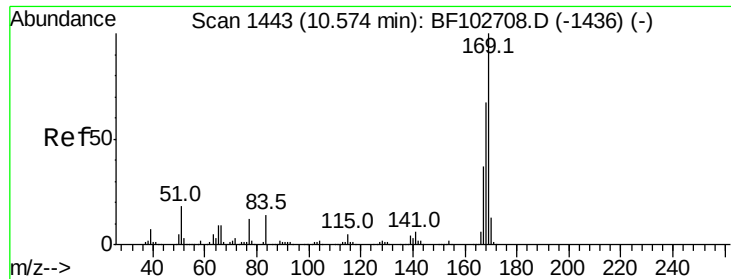
Tot Ion:188 Resp: 199500
 Ion Ratio Lower Upper
 188 100
 94 23.5 8.5 12.7#
 80 23.9 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 10.900 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.04 min
 Lab File: BF102721.D
 Acq: 3 Feb 2018 17:09

Tgt Ion:198 Resp: 1901
 Ion Ratio Lower Upper
 198 100
 51 266.3 37.7 77.7#
 105 1091.5 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 6.280 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Instrument :

BNA_F

ClientSampleId :

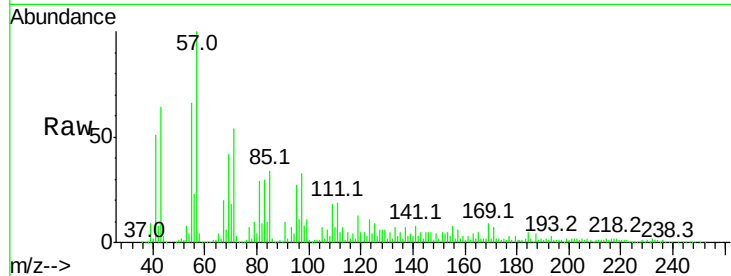
Tot Ion:169 Resp: 44191

Ion Ratio Lower Upper

169 100

168 16.7 54.4 81.6#

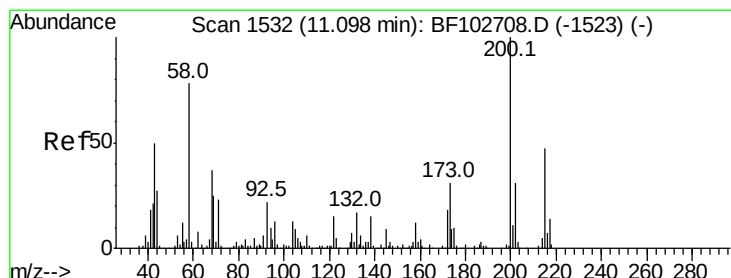
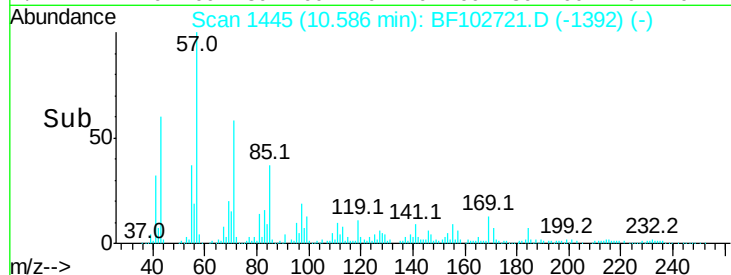
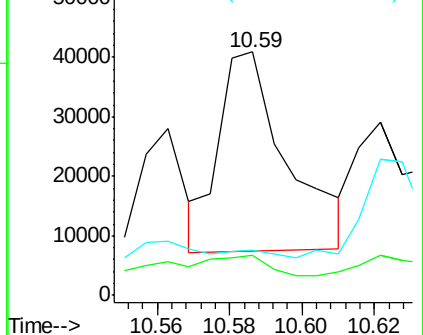
167 18.5 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Atrazine

Concen: 2.014 ng

RT: 11.10 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

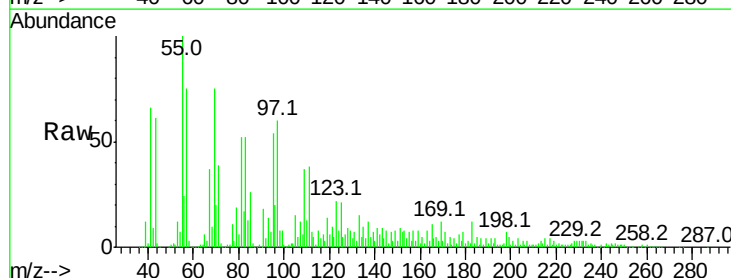
Tgt Ion:200 Resp: 4182

Ion Ratio Lower Upper

200 100

173 390.6 8.6 48.6#

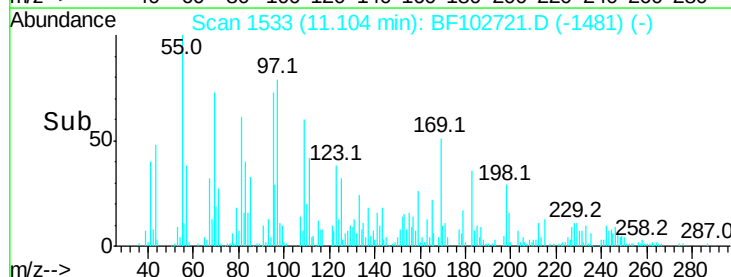
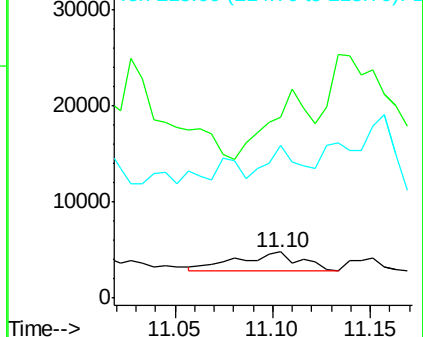
215 330.8 25.1 65.1#

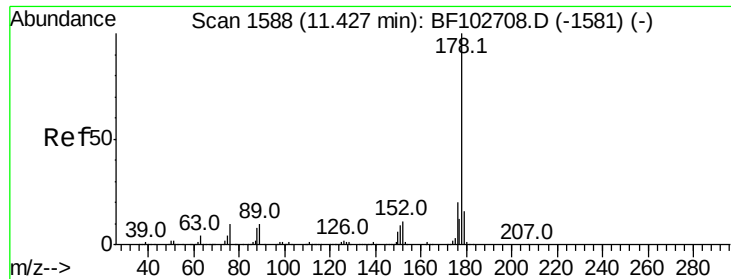


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 6.388 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.02 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Instrument :

BNA_F

ClientSampled :

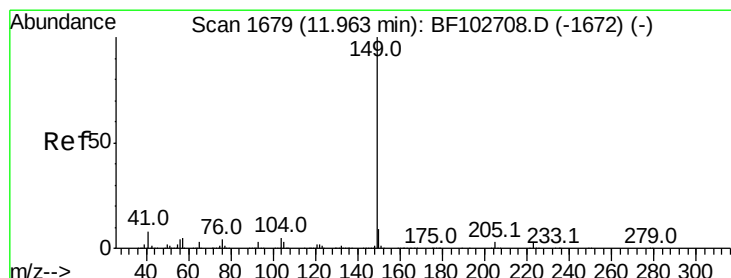
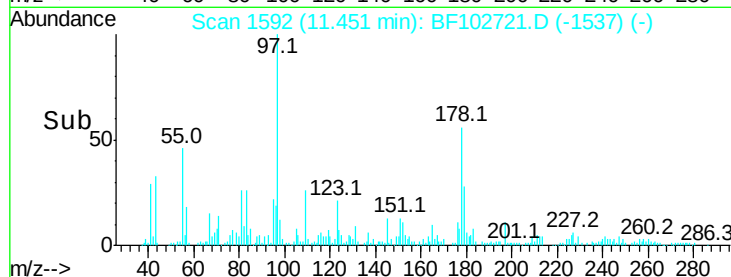
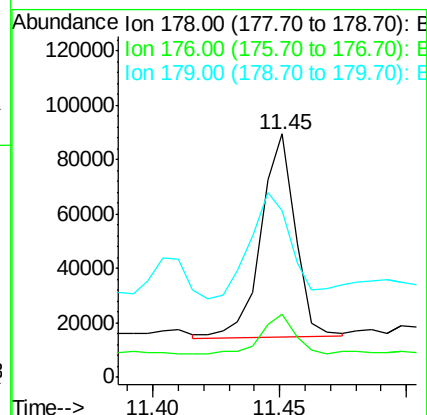
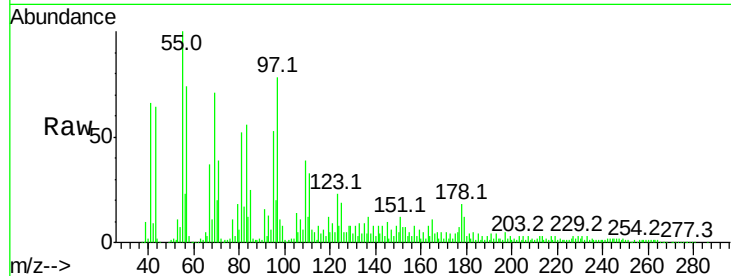
Tot Ion:178 Resp: 70975

Ion Ratio Lower Upper

178 100

176 25.7 15.8 23.8#

179 68.4 13.0 19.6#



#73

Di-n-butylphthalate

Concen: 3.524 ng

RT: 11.99 min Scan# 1684

Delta R.T. 0.03 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

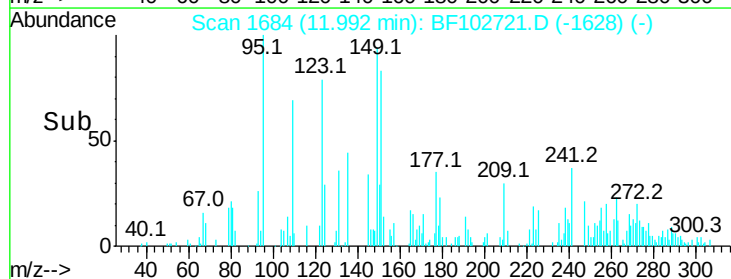
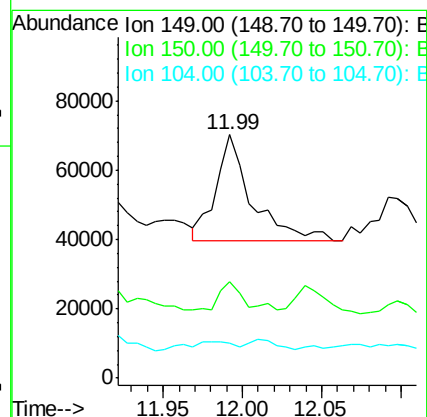
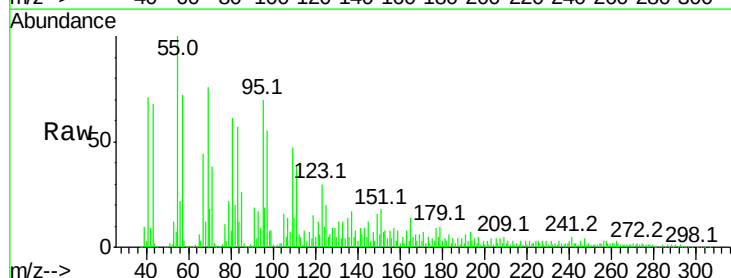
Tgt Ion:149 Resp: 47395

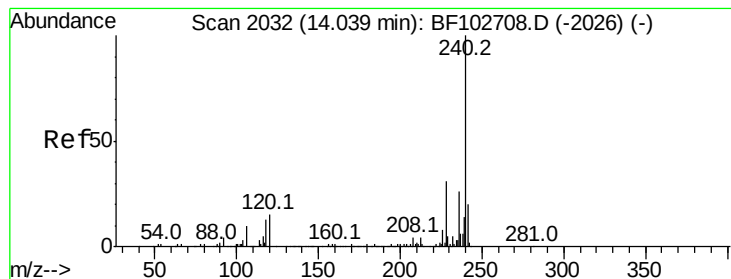
Ion Ratio Lower Upper

149 100

150 39.5 7.8 11.6#

104 14.3 3.8 5.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

Instrument :

BNA_F

ClientSampleId :

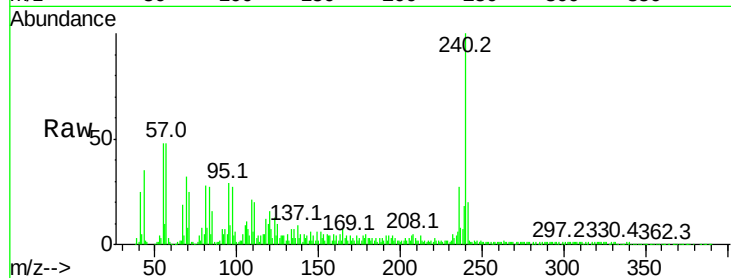
Tot Ion:240 Resp: 275329

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

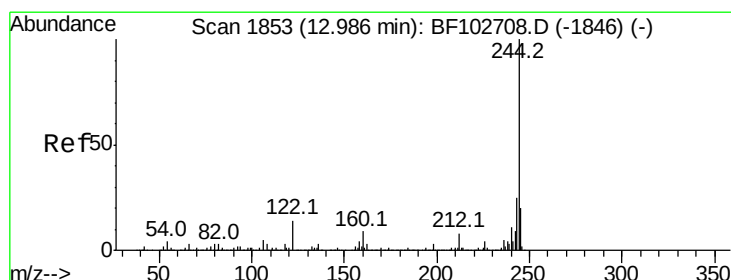
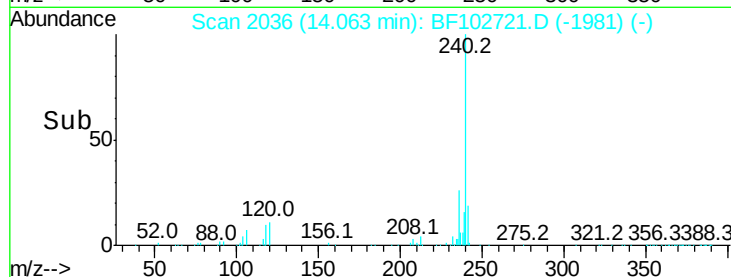
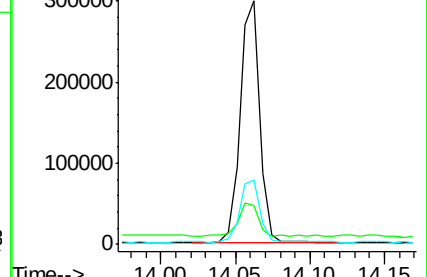
236 26.7 20.7 31.1



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: 54.998 ng

RT: 13.02 min Scan# 1859

Delta R.T. 0.04 min

Lab File: BF102721.D

Acq: 3 Feb 2018 17:09

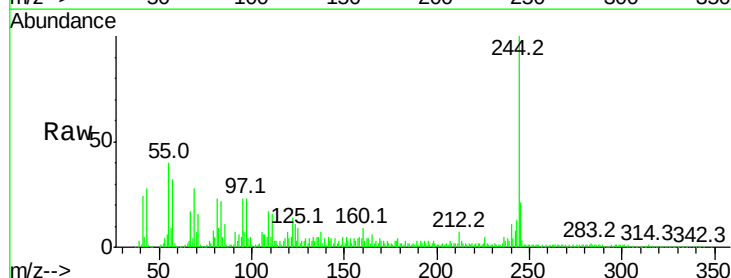
Tgt Ion:244 Resp: 639532

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

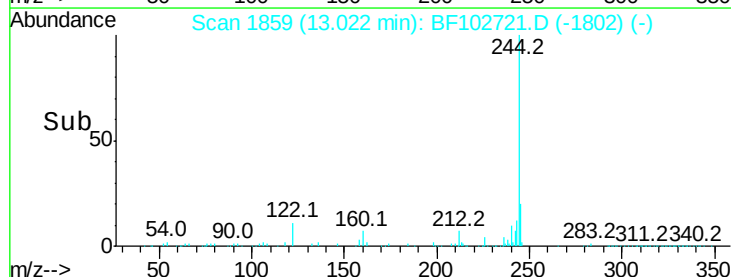
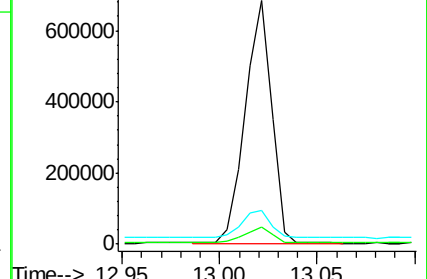
122 13.7 11.0 16.4

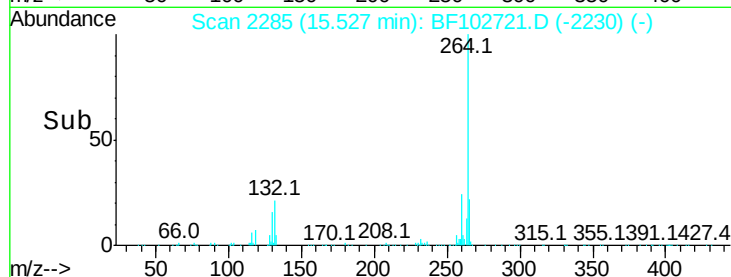
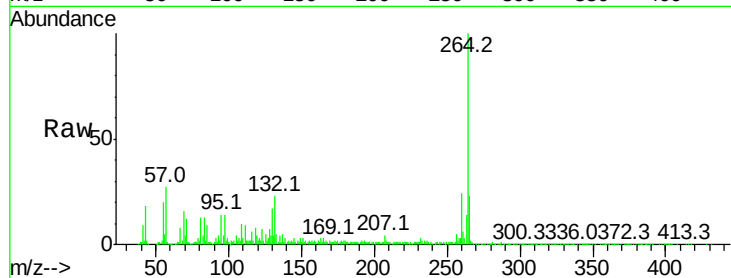
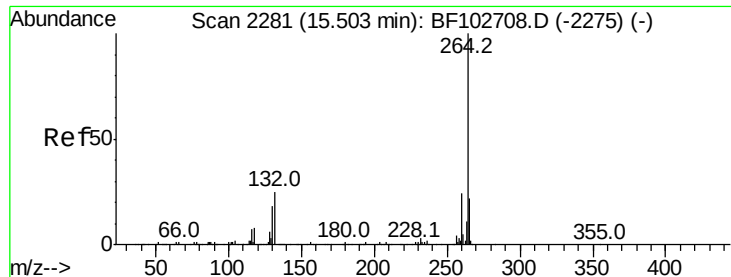


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.53 min Scan# 2285
 Delta R.T. 0.02 min
 Lab File: BF102721.D
 Acq: 3 Feb 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	334562
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.5	17.5	26.3

