

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033172.D
 Acq On : 15 Mar 2018 8:53
 Operator : SJ/JU
 Sample : J1911-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 10:44:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	36011	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	161698	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	97804	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	254200	20.00	ng	0.00
75) Chrysene-d12	22.60	240	245746	20.00	ng	0.00
86) Perylene-d12	26.41	264	256483	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	315251	140.06	ng	0.00
7) Phenol-d6	8.00	99	381718	121.67	ng	0.00
23) Nitrobenzene-d5	10.10	82	293422	121.15	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	236220	229.70	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	657744	96.99	ng	0.00
78) Terphenyl-d14	20.77	244	1232594	112.69	ng	0.00

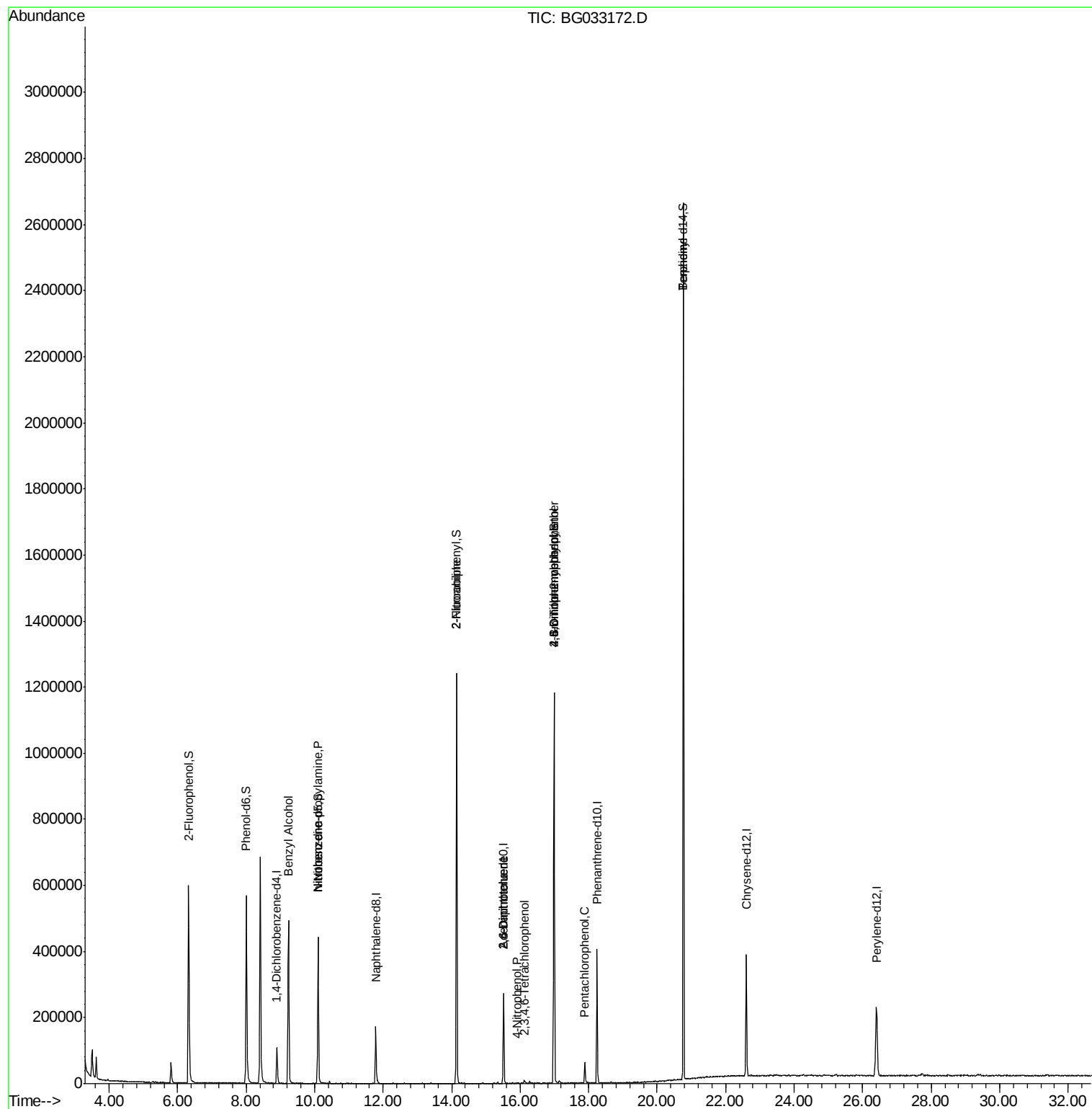
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4710	2.042	ng	# 44
19) n-Nitroso-di-n-propylamine	10.10	70	38621	17.437	ng	# 81
24) Nitrobenzene	10.10	77	1079	6.743	ng	# 44
47) 2-Nitroaniline	14.15	65	1385	10.520	ng	# 10
50) 2,6-Dinitrotoluene	15.51	165	12432	16.266	ng	# 20
55) 4-Nitrophenol	15.91	139	85	7.138	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12432	14.463	ng	# 18
58) 2,3,4,6-Tetrachlorophenol	16.13	232	4205	2.556	ng	# 87
64) 4,6-Dinitro-2-methylphenol	16.99	198	734	6.172	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15743	5.857	ng	# 1
69) Pentachlorophenol	17.88	266	14483	7.916	ng	90
76) Benizidine	20.77	184	20635	2.463	ng	# 93

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

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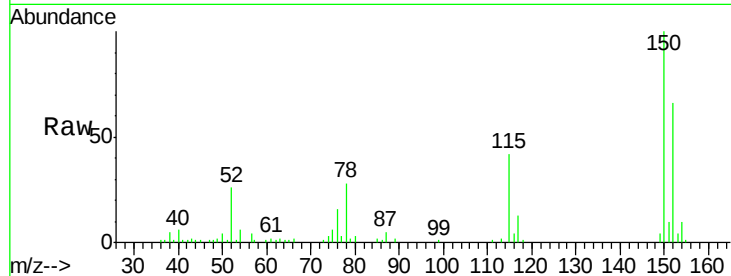


#1

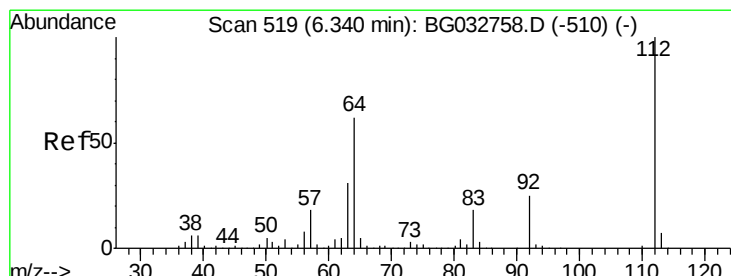
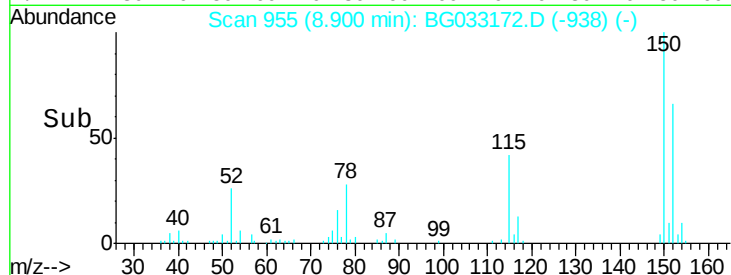
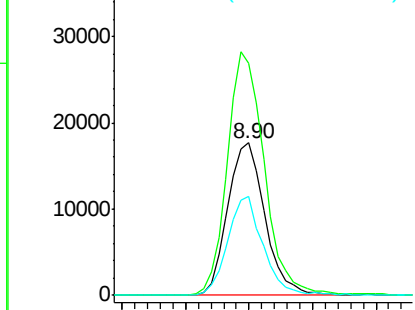
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36011
Ion Ratio Lower Upper
152 100
150 152.1 126.6 189.8
115 64.6 53.0 79.4



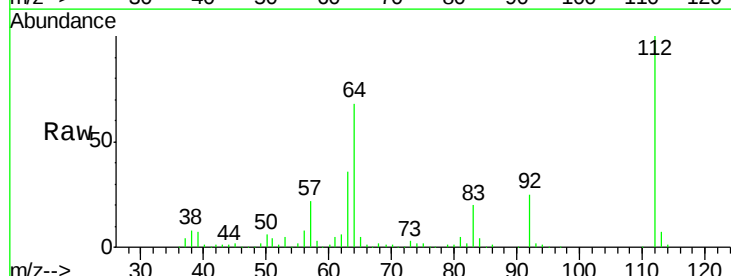
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



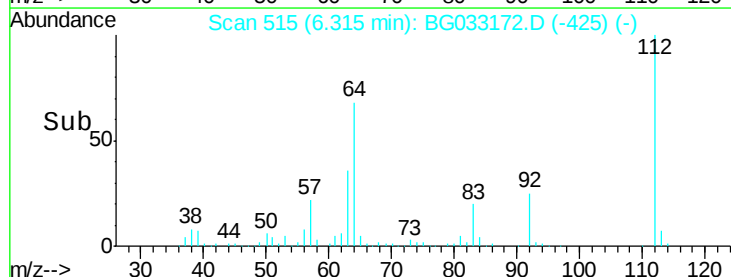
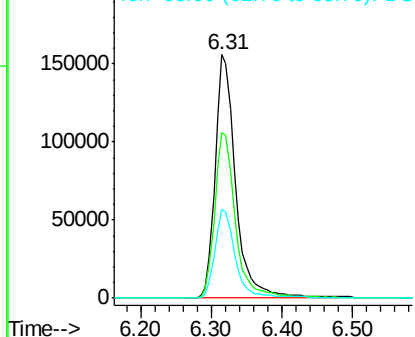
#5

2-Fluorophenol
Concen: 140.056 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Tgt Ion:112 Resp: 315251
Ion Ratio Lower Upper
112 100
64 67.8 56.3 84.5
63 36.3 30.1 45.1



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





#7

Phenol-d6

Concen: 121.666 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

Instrument :

BNA_G

ClientSampled :

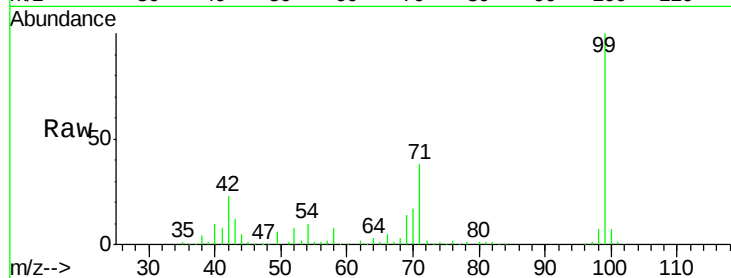
Tot Ion: 99 Resp: 381718

Ion Ratio Lower Upper

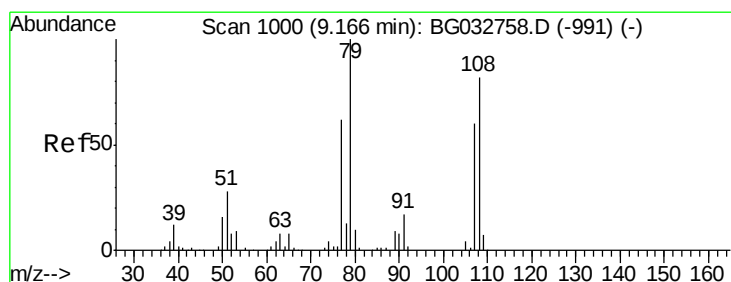
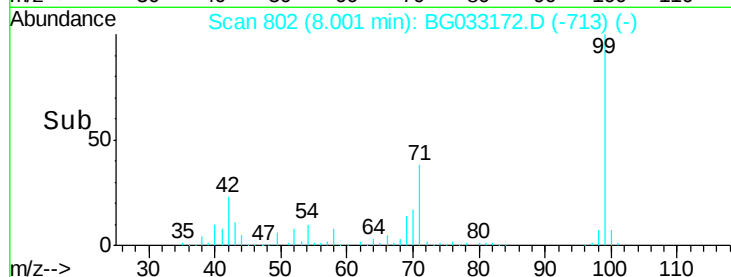
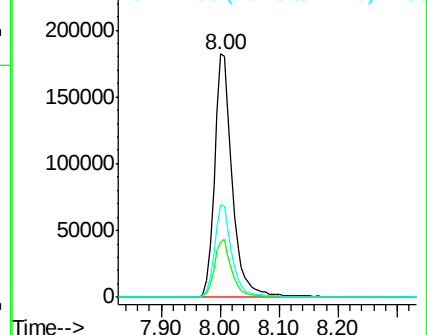
99 100

42 22.9 14.1 21.1#

71 38.2 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.042 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

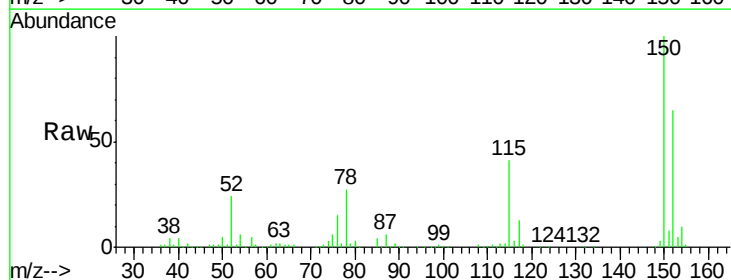
Tgt Ion: 79 Resp: 4710

Ion Ratio Lower Upper

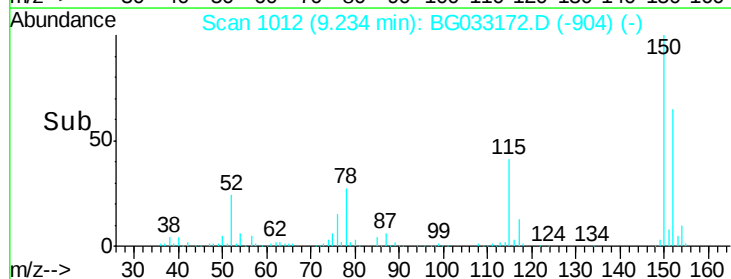
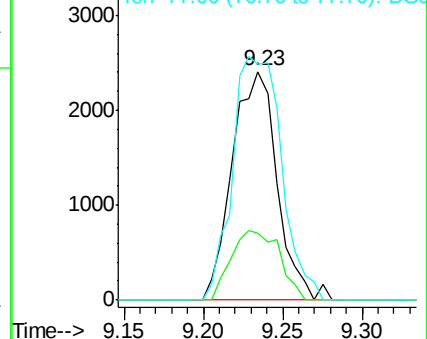
79 100

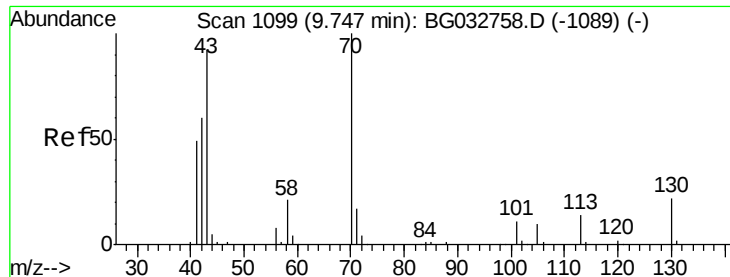
108 29.1 57.2 85.8#

77 103.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.437 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 38621

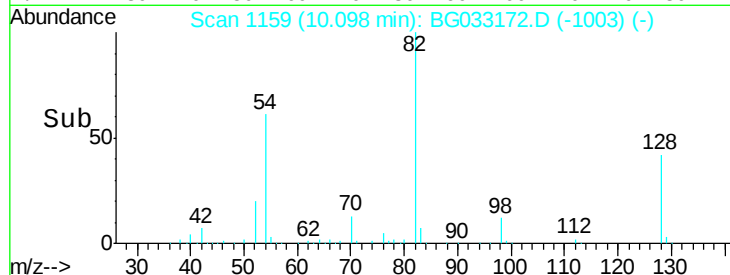
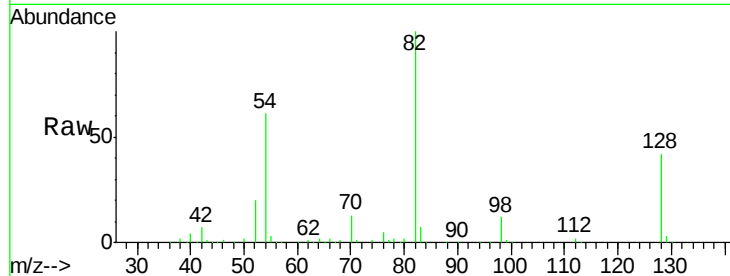
Ion Ratio Lower Upper

70 100

42 51.0 49.1 73.7

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

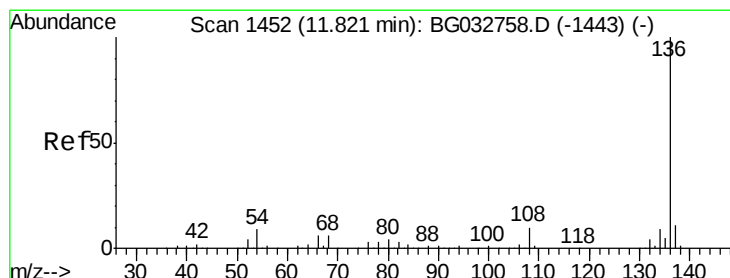
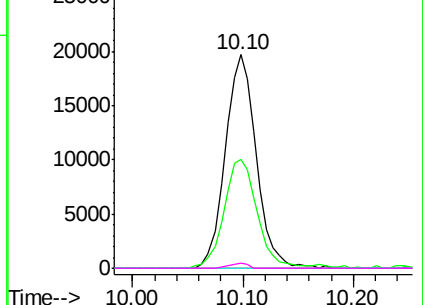


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

Tgt Ion: 136 Resp: 161698

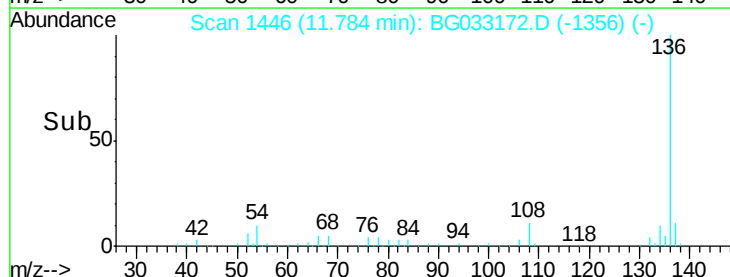
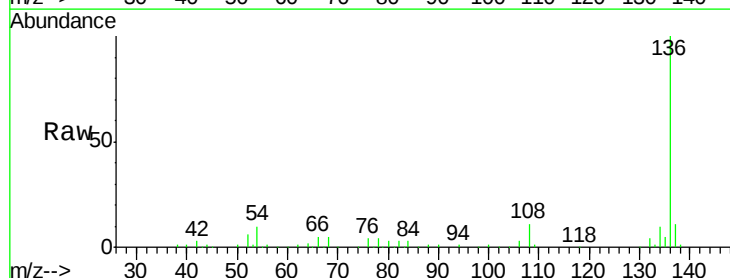
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 10.2 10.3 15.5#

68 5.3 4.5 6.7

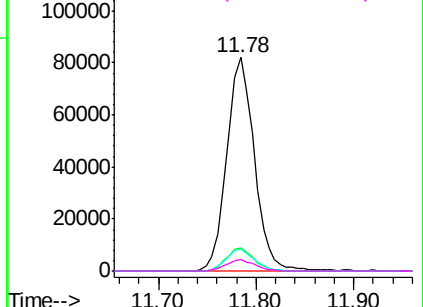


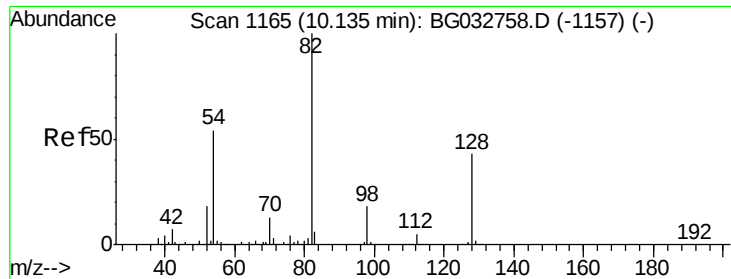
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 121.154 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

Instrument :

BNA_G

ClientSampleId :

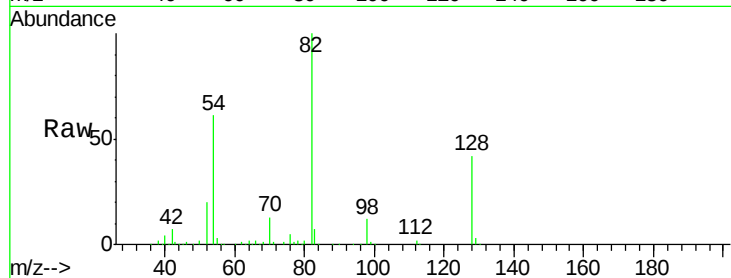
Tot Ion: 82 Resp: 293422

Ion Ratio Lower Upper

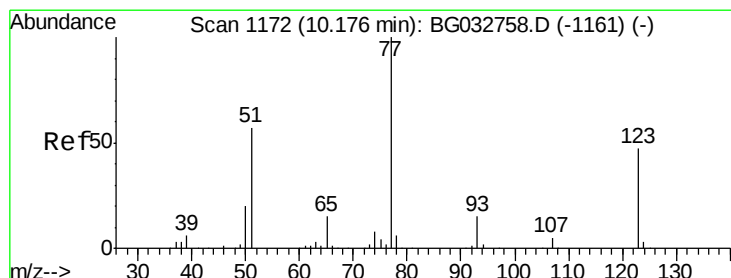
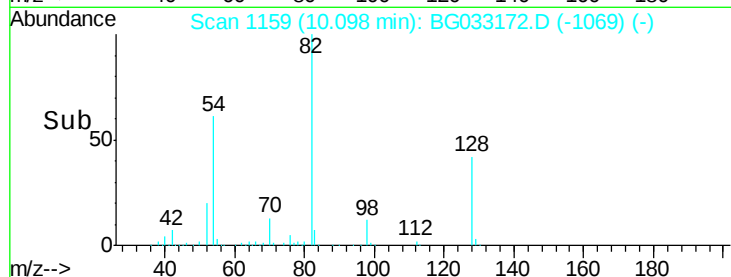
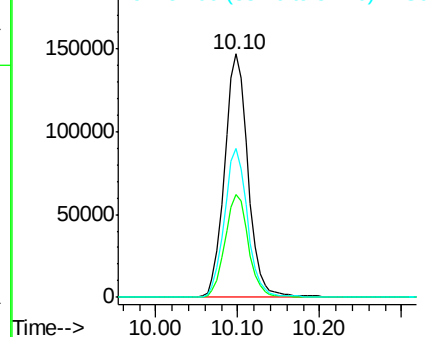
82 100

128 42.3 29.7 44.5

54 61.0 43.1 64.7



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



#24

Nitrobenzene

Concen: 6.743 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.04 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

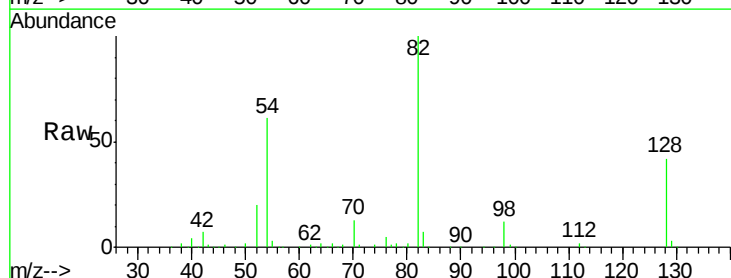
Tgt Ion: 77 Resp: 1079

Ion Ratio Lower Upper

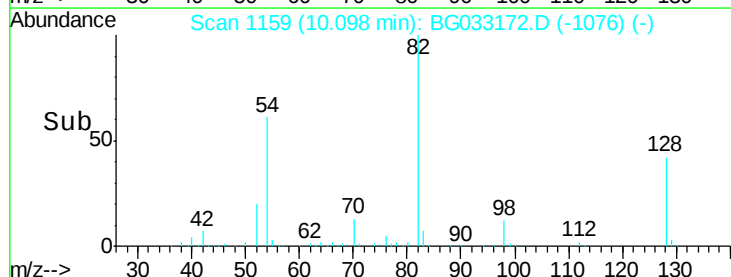
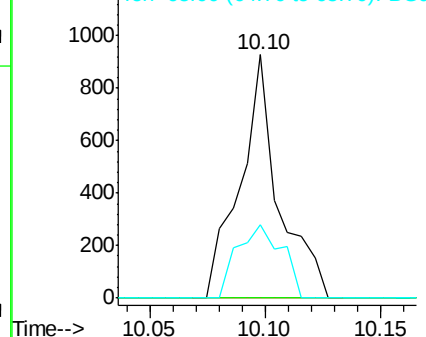
77 100

123 0.0 33.0 49.6#

65 30.1 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

Instrument :

BNA_G

ClientSampleId :

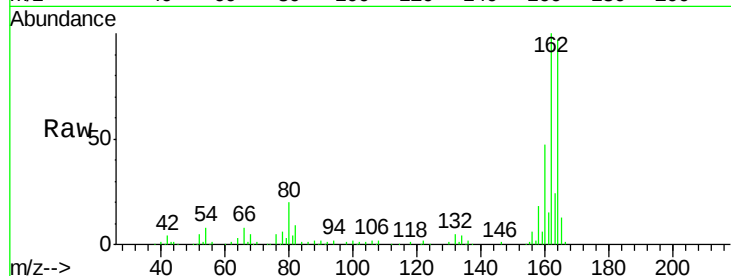
Tot Ion:164 Resp: 97804

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

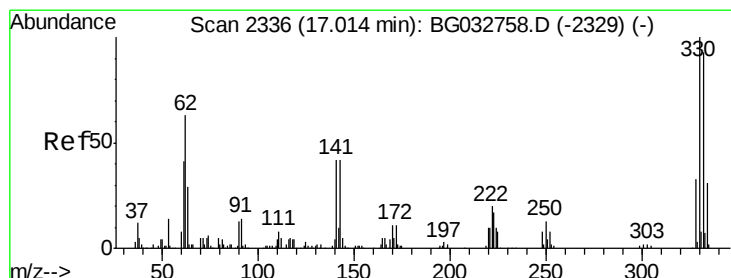
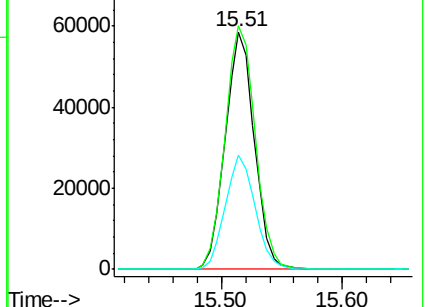
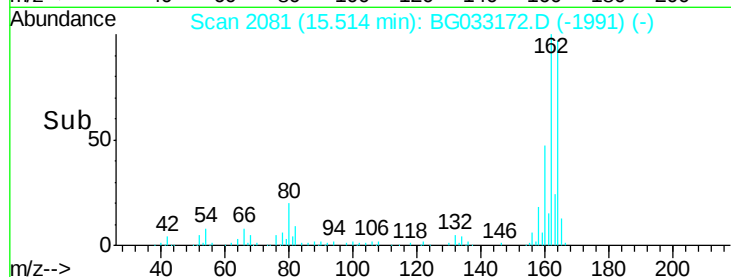
160 48.2 35.4 53.0



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: 229.702 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

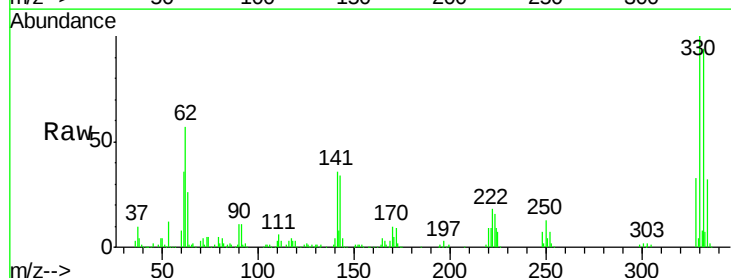
Tgt Ion:330 Resp: 236220

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

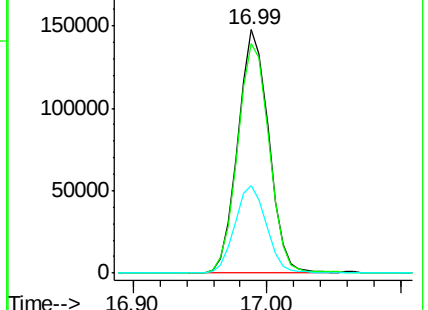
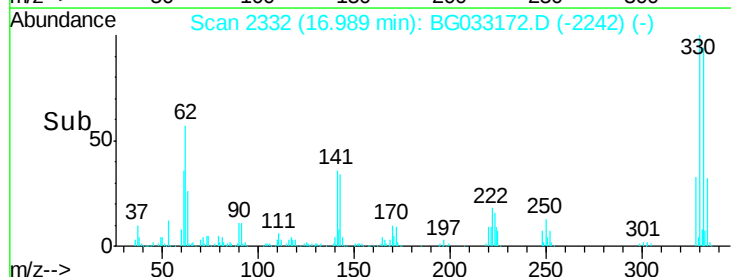
141 36.8 25.2 37.8

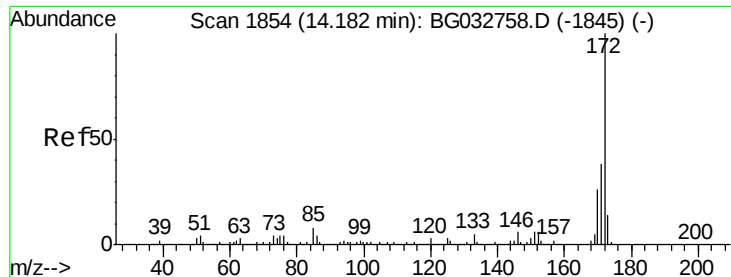


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

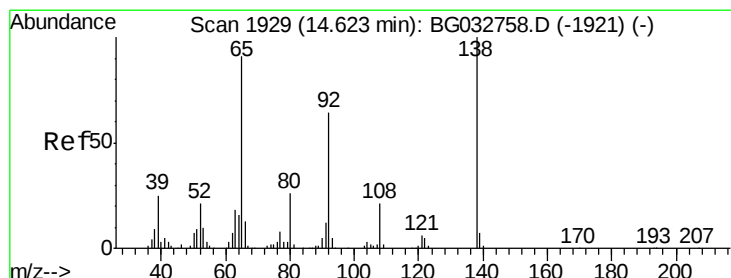
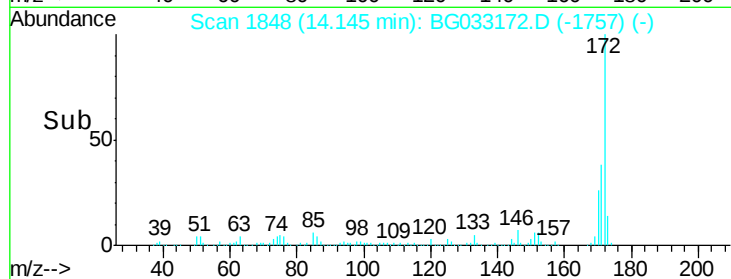
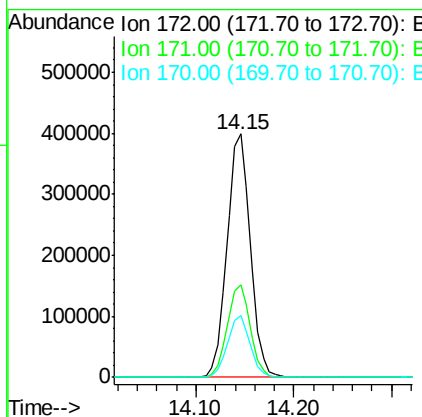
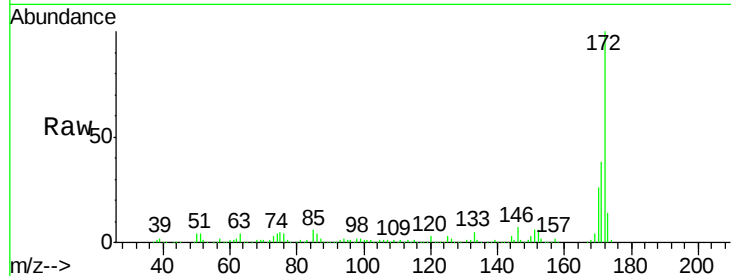




#44
2-Fluorobiphenyl
Concen: 96.993 ng
RT: 14.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

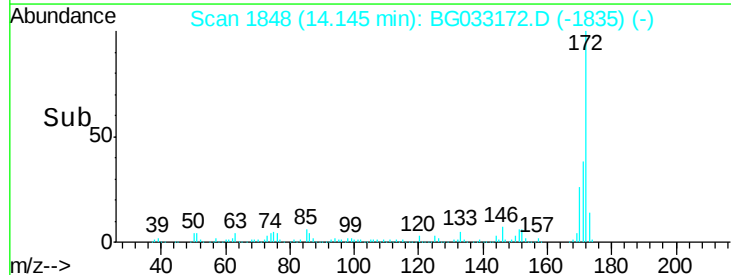
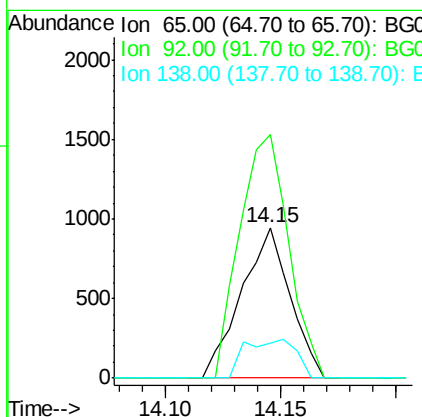
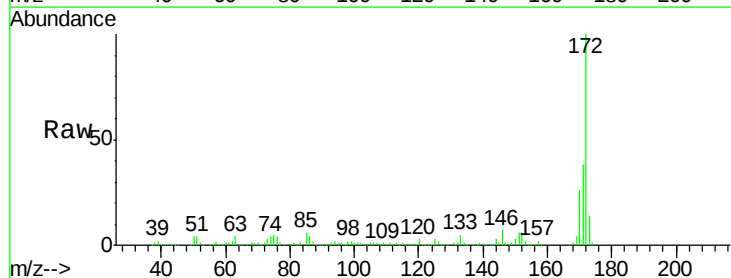
Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 657744
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 25.6 19.5 29.3



#47
2-Nitroaniline
Concen: 10.520 ng
RT: 14.15 min Scan# 1848
Delta R.T. -0.46 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Tgt Ion: 65 Resp: 1385
Ion Ratio Lower Upper
65 100
92 161.8 54.6 82.0#
138 23.4 72.9 109.3#

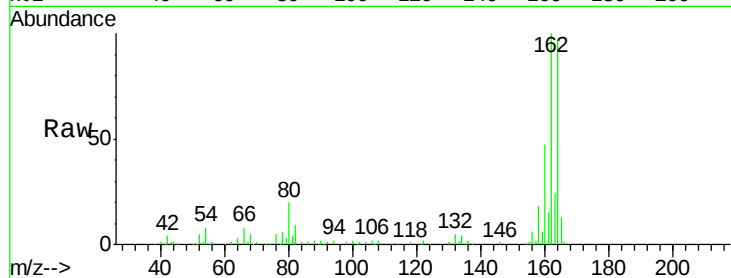




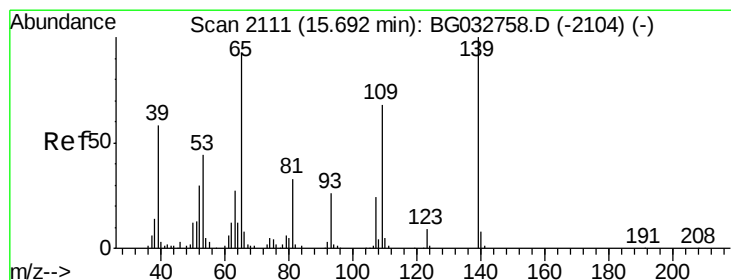
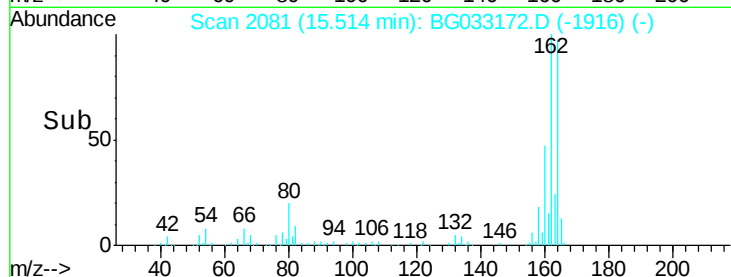
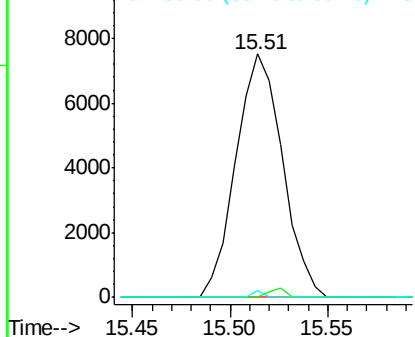
#50
 2,6-Dinitrotoluene
 Concen: 16.266 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. 0.44 min
 Lab File: BG033172.D
 Acq: 15 Mar 2018 8:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12432
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.6 49.2 73.8#

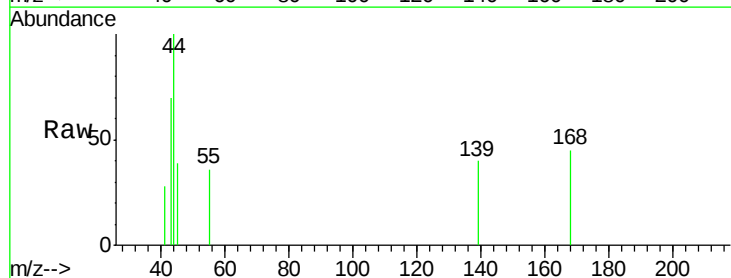


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

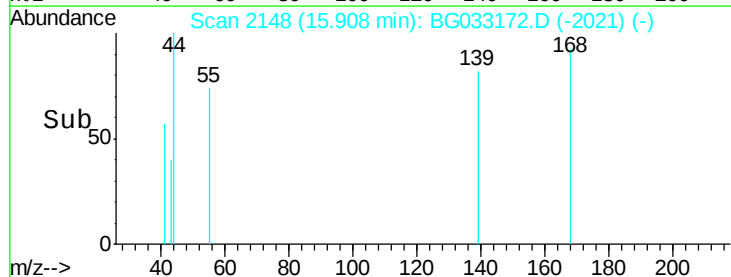
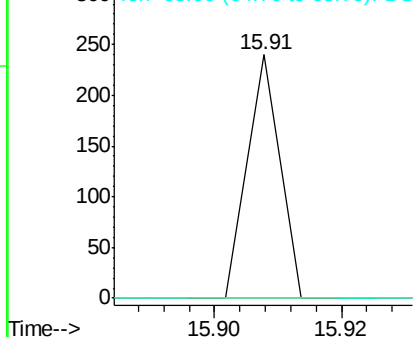


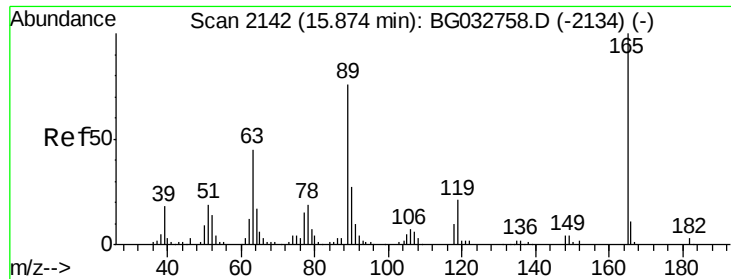
#55
 4-Nitrophenol
 Concen: 7.138 ng
 RT: 15.91 min Scan# 2148
 Delta R.T. 0.21 min
 Lab File: BG033172.D
 Acq: 15 Mar 2018 8:53

Tgt Ion:139 Resp: 85
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#



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): BGC

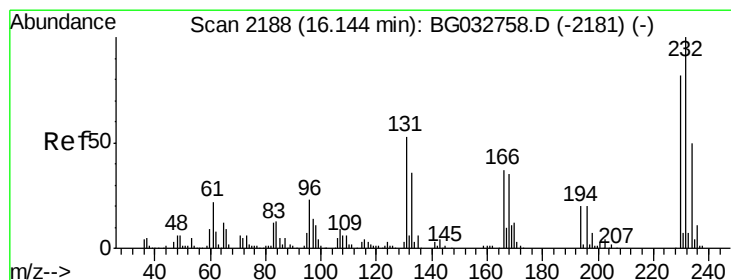
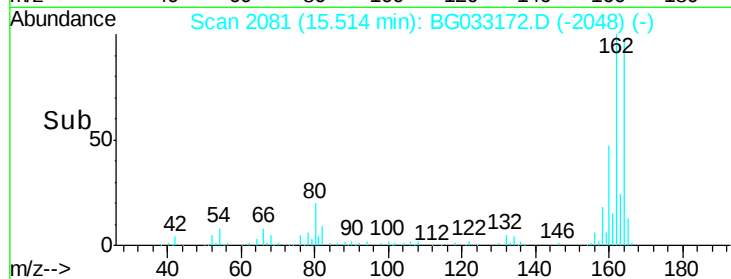
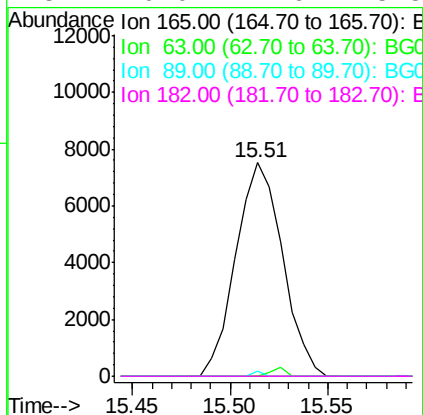
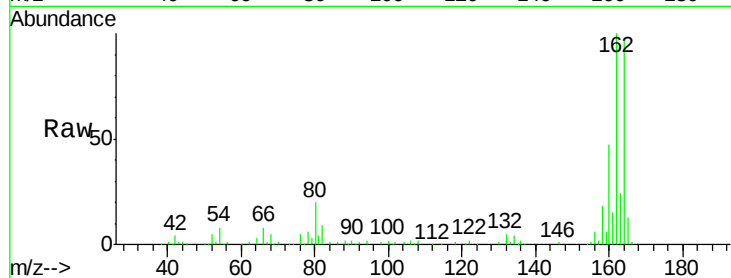




#56
 2,4-Dinitrotoluene
 Concen: 14.463 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033172.D
 Acq: 15 Mar 2018 8:53

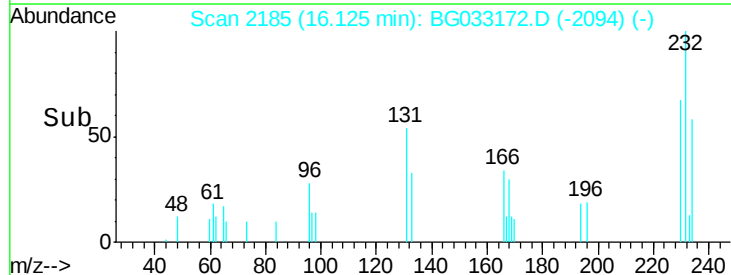
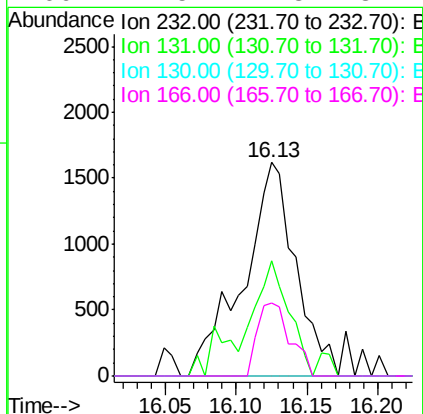
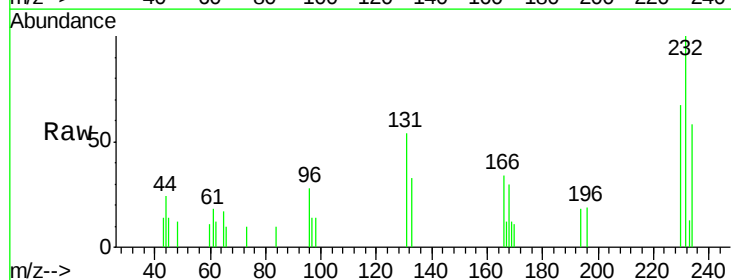
Instrument :
 BNA_G
 ClientSampleId :

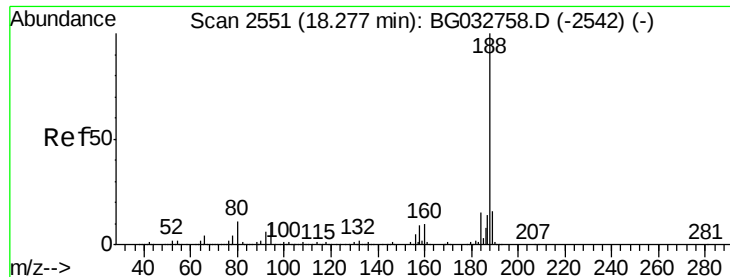
Tot Ion:165 Resp: 12432
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.6 66.9 100.3#
 182 0.0 2.6 3.8#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.556 ng
 RT: 16.13 min Scan# 2185
 Delta R.T. 0.00 min
 Lab File: BG033172.D
 Acq: 15 Mar 2018 8:53

Tgt Ion:232 Resp: 4205
 Ion Ratio Lower Upper
 232 100
 131 35.0 33.5 50.3
 130 0.0 2.2 3.2#
 166 21.5 24.8 37.2#

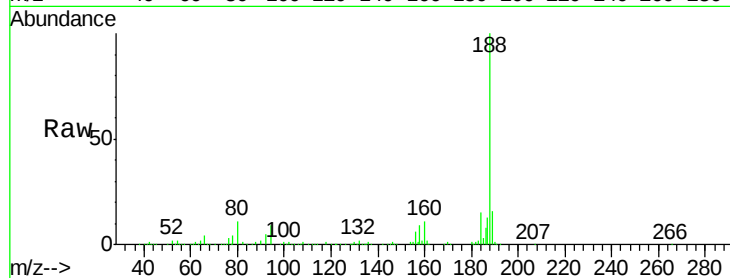




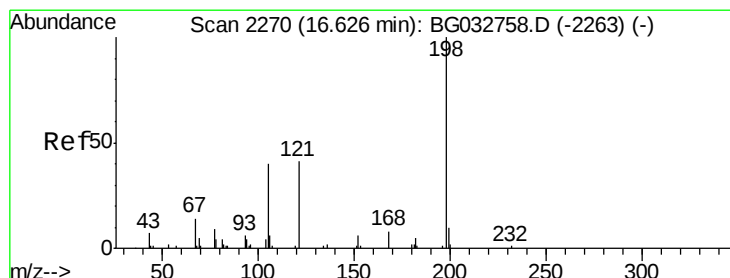
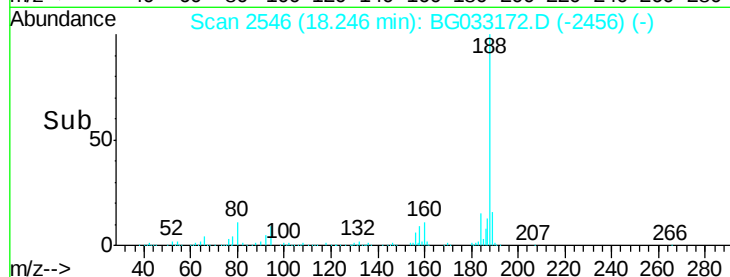
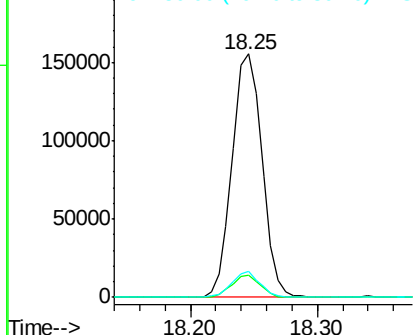
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 254200
Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 10.7 7.7 11.5

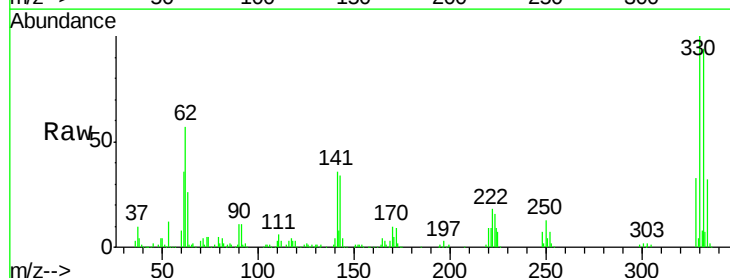


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

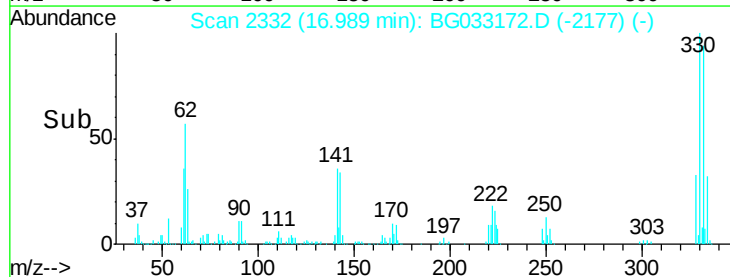
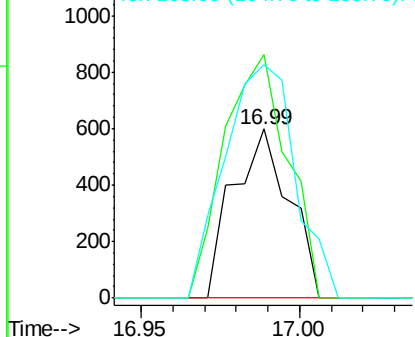


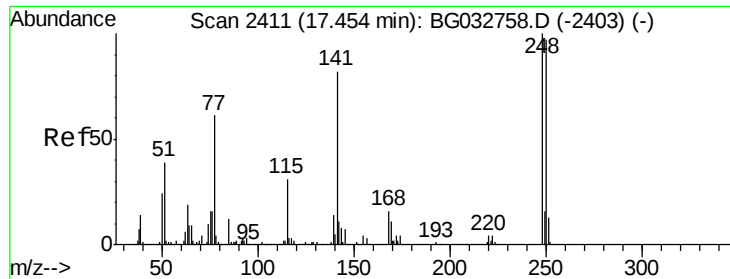
#64
4,6-Dinitro-2-methylphenol
Concen: 6.172 ng
RT: 16.99 min Scan# 2332
Delta R.T. 0.38 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Tgt Ion:198 Resp: 734
Ion Ratio Lower Upper
198 100
51 144.1 30.6 70.6#
105 138.0 23.8 63.8#



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

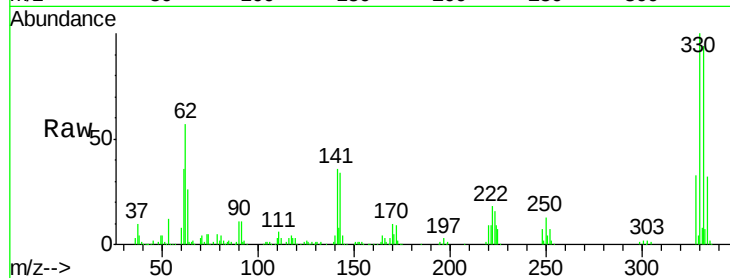




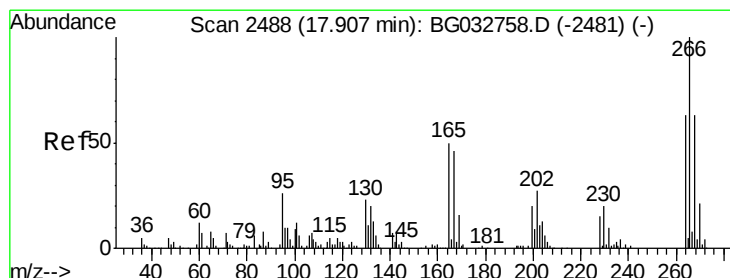
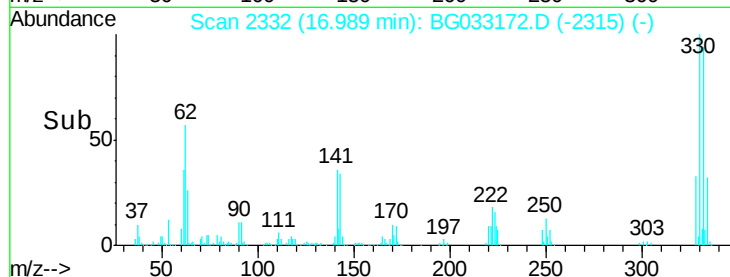
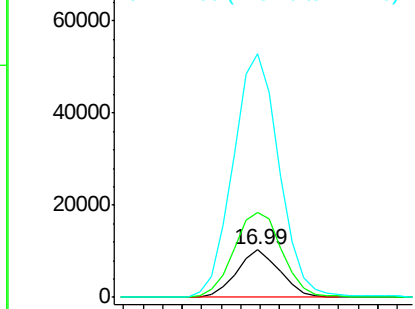
#66
4-Bromophenyl-phenylether
Concen: 5.857 ng
RT: 16.99 min Scan# 2332
Delta R.T. -0.43 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15743
Ion Ratio Lower Upper
248 100
250 181.2 77.1 115.7#
141 515.8 50.8 76.2#

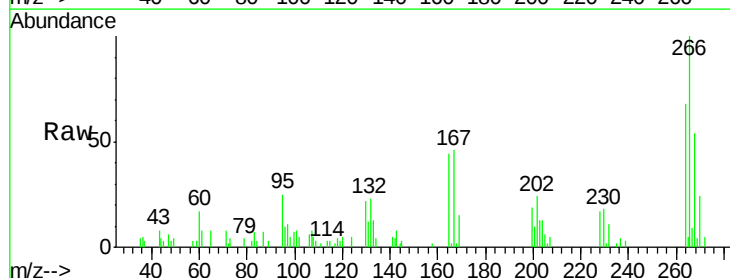


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

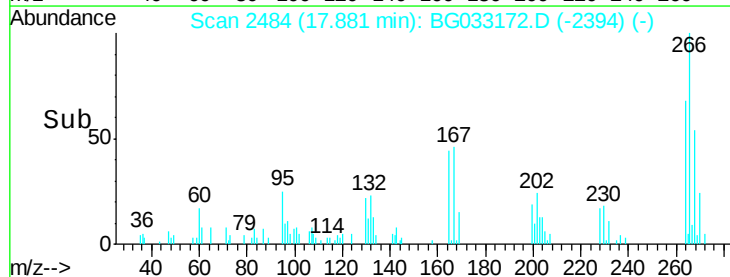
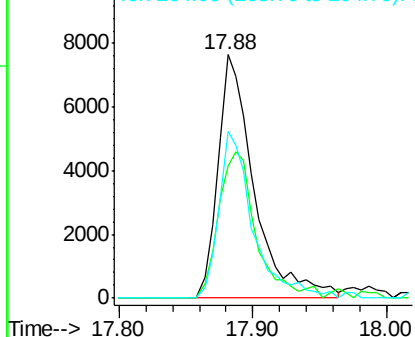


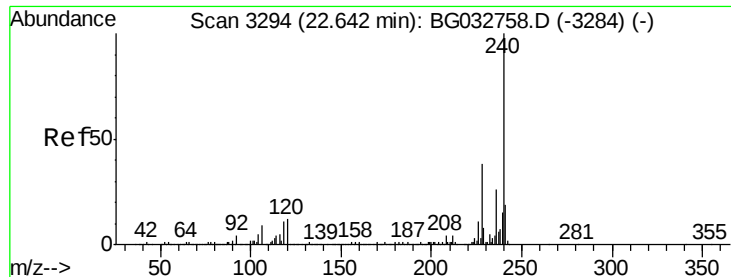
#69
Pentachlorophenol
Concen: 7.916 ng
RT: 17.88 min Scan# 2484
Delta R.T. -0.00 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Tgt Ion:266 Resp: 14483
Ion Ratio Lower Upper
266 100
268 54.3 51.1 76.7
264 68.4 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

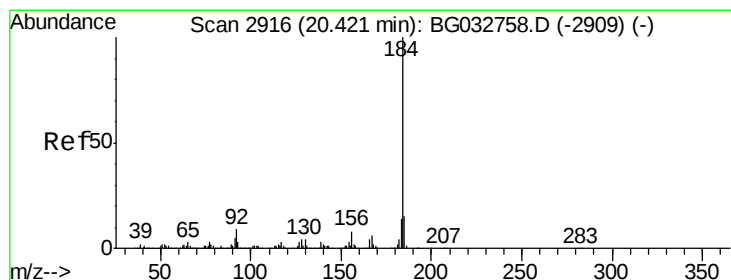
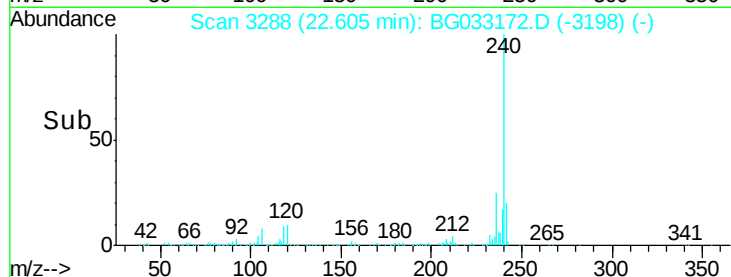
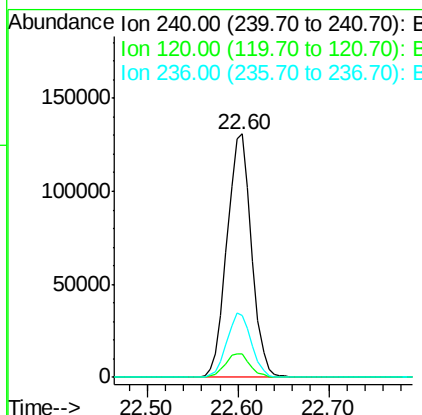
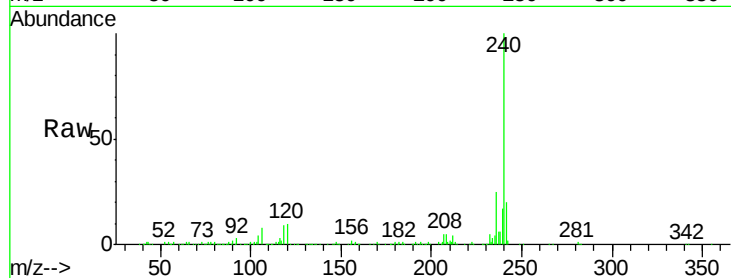




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3288
Delta R.T. -0.00 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

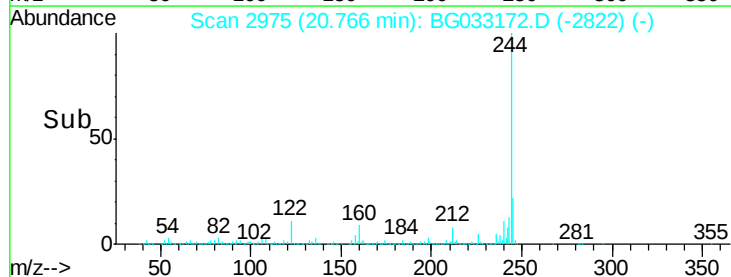
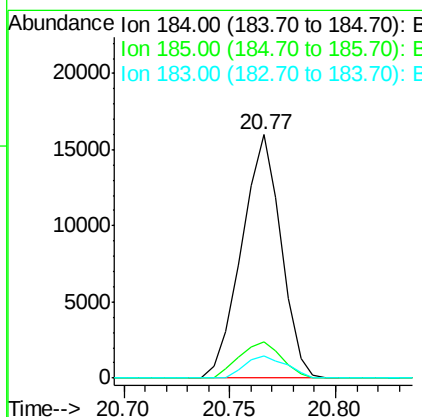
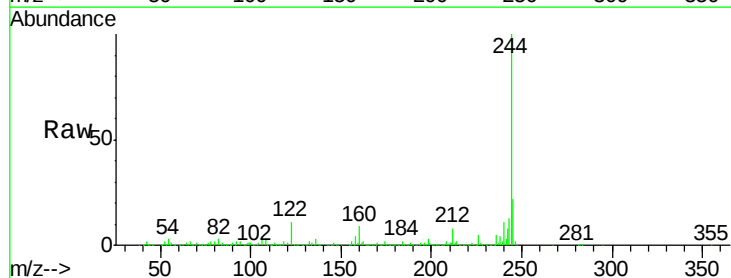
Instrument :
BNA_G
ClientSampleId :

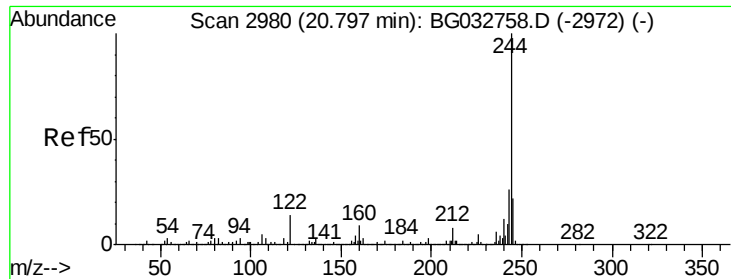
Tot Ion:240 Resp: 245746
Ion Ratio Lower Upper
240 100
120 9.6 6.8 10.2
236 25.2 20.9 31.3



#76
Benzidine
Concen: 2.463 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.37 min
Lab File: BG033172.D
Acq: 15 Mar 2018 8:53

Tgt Ion:184 Resp: 20635
Ion Ratio Lower Upper
184 100
185 14.8 11.1 16.7
183 8.9 10.6 16.0#





#78

Terphenyl-d14

Concen: 112.690 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

Instrument :

BNA_G

ClientSampleId :

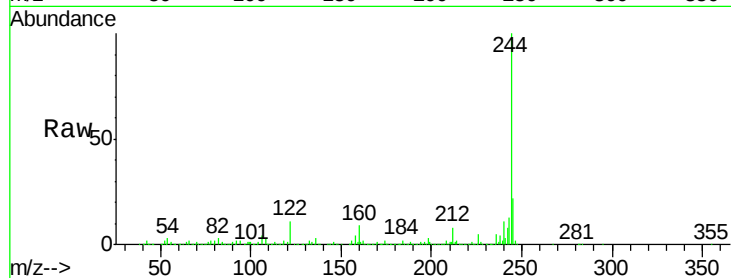
Tot Ion:244 Resp: 1232594

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

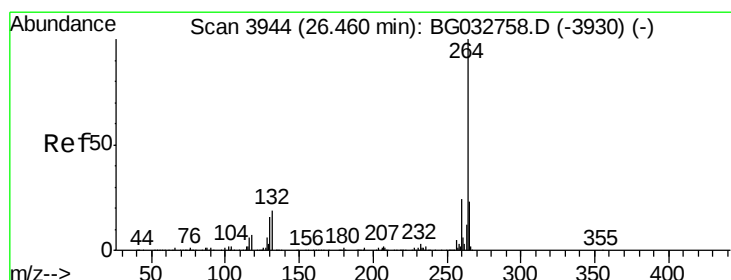
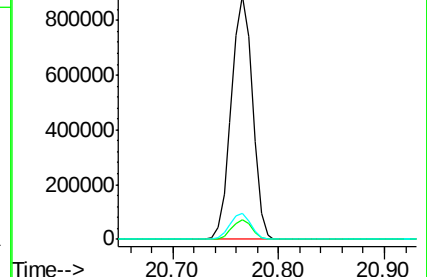
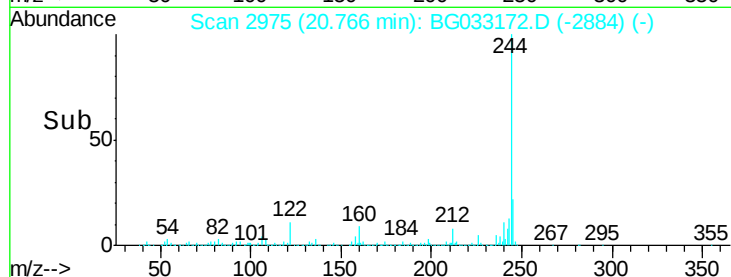
122 10.9 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033172.D

Acq: 15 Mar 2018 8:53

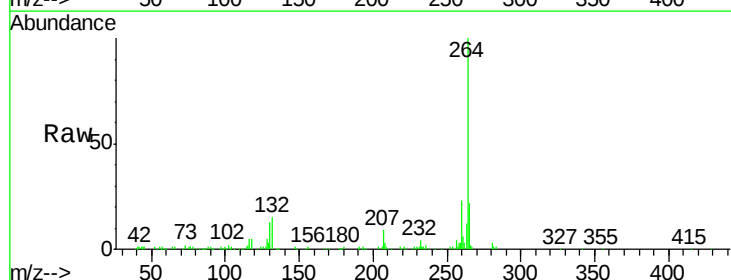
Tgt Ion:264 Resp: 256483

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 22.4 17.7 26.5



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

