

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033174.D
 Acq On : 15 Mar 2018 10:09
 Operator : SJ/JU
 Sample : J1911-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 10:45:12 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	35794	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	160615	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	96905	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	250343	20.00	ng	0.00
75) Chrysene-d12	22.60	240	237040	20.00	ng	0.00
86) Perylene-d12	26.40	264	251189	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	286877	128.22	ng	0.00
7) Phenol-d6	8.00	99	349764	112.16	ng	0.00
23) Nitrobenzene-d5	10.10	82	280528	116.98	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	215683	211.68	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	640042	95.26	ng	0.00
78) Terphenyl-d14	20.76	244	1172520	111.13	ng	0.00

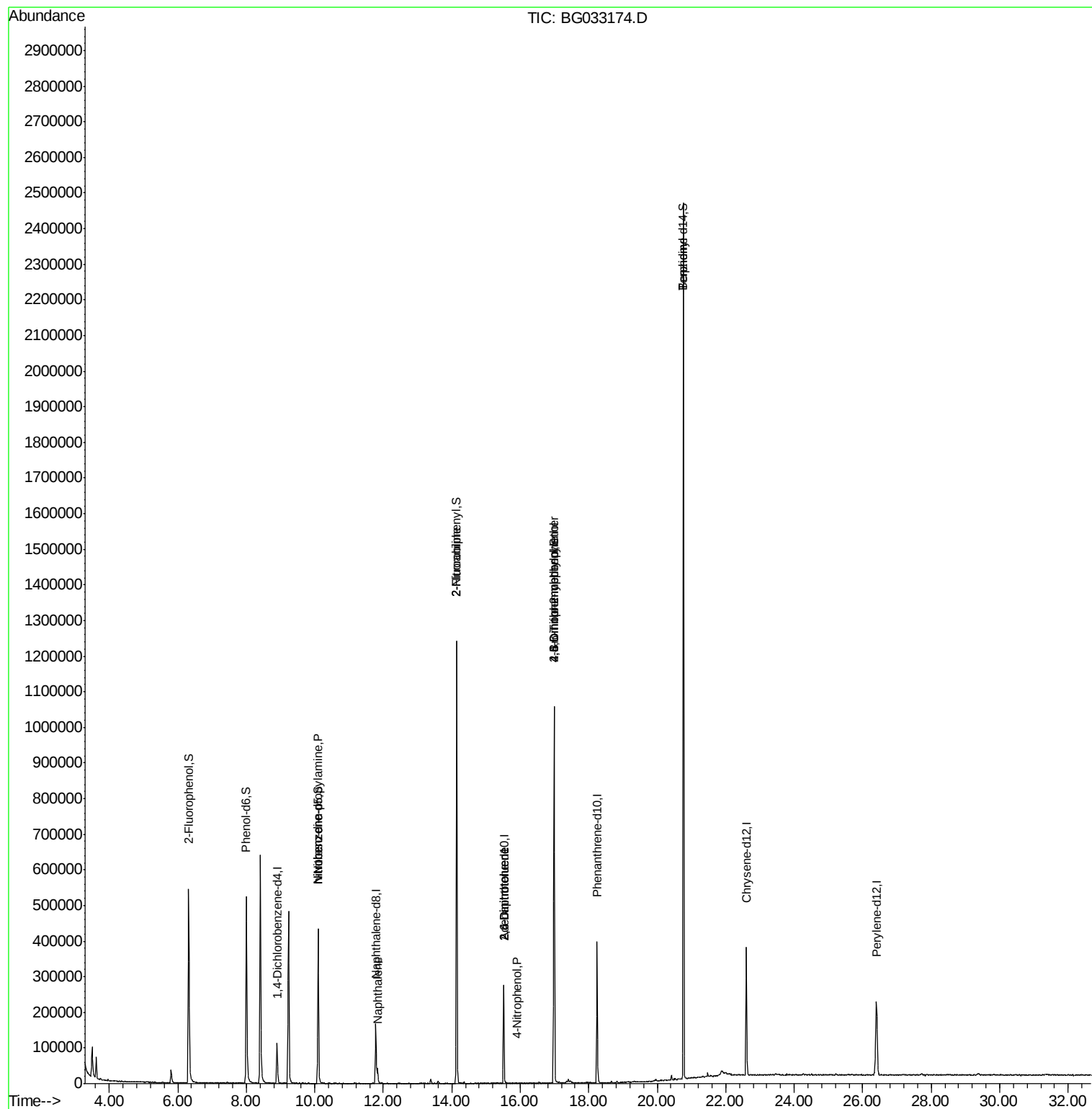
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.10	70	37302	16.943	ng	# 83
24) Nitrobenzene	10.09	77	1062	6.740	ng	# 48
31) Naphthalene	11.83	128	40548	4.831	ng	# 99
47) 2-Nitroaniline	14.14	65	1295	10.481	ng	# 5
50) 2,6-Dinitrotoluene	15.51	165	12812	16.562	ng	# 18
55) 4-Nitrophenol	15.91	139	345	7.314	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12812	14.761	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	475	5.755	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14084	5.321	ng	# 1
76) Benzidine	20.76	184	20246	2.506	ng	94

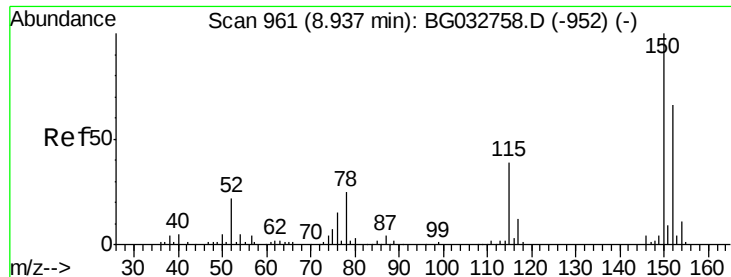
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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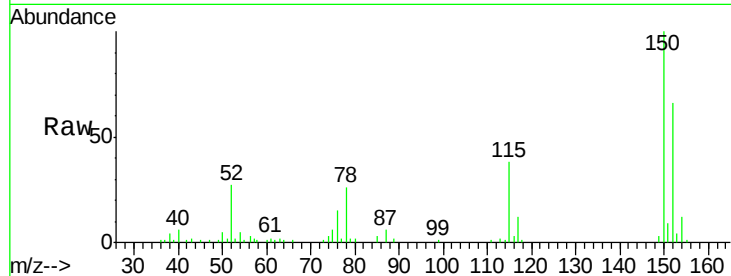




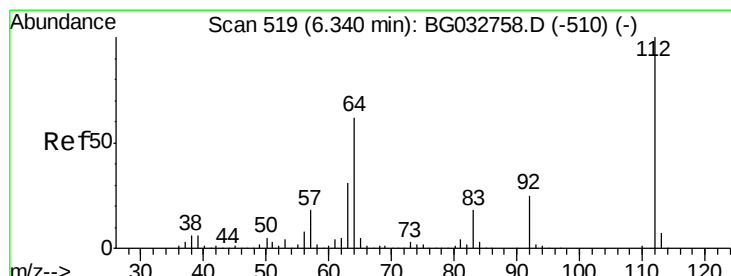
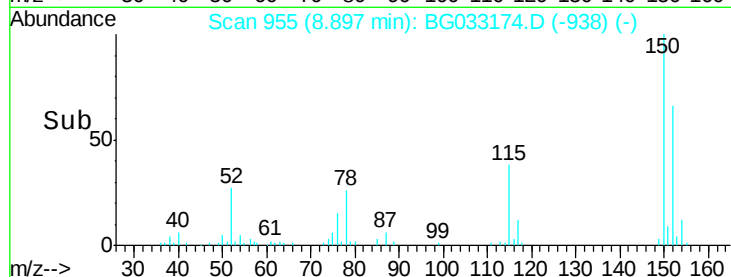
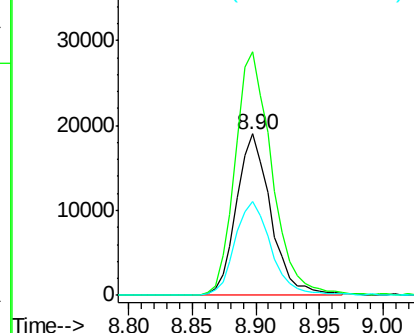
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.90 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 35794
 Ion Ratio Lower Upper
 152 100
 150 150.9 126.6 189.8
 115 57.9 53.0 79.4

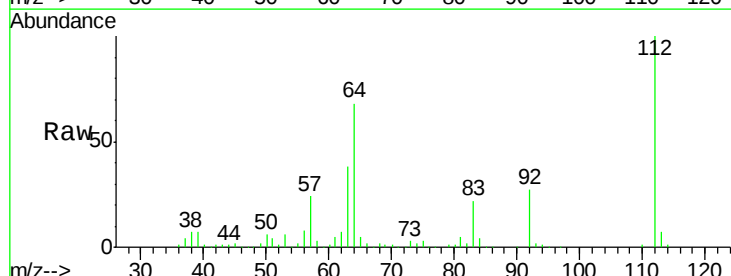


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

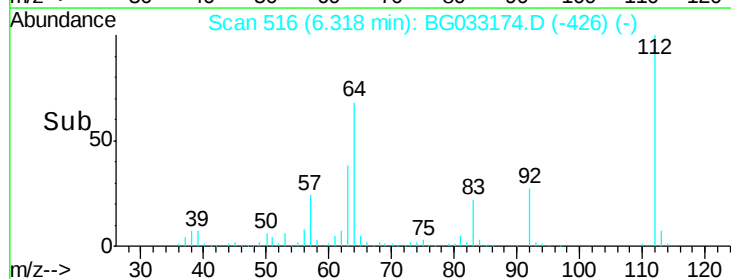
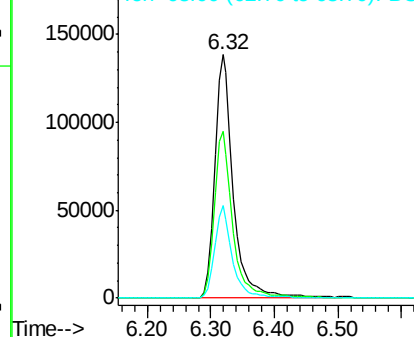


#5
 2-Fluorophenol
 Concen: 128.223 ng
 RT: 6.32 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

Tgt Ion:112 Resp: 286877
 Ion Ratio Lower Upper
 112 100
 64 68.4 56.3 84.5
 63 37.9 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: 112.157 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

Instrument :

BNA_G

ClientSampled :

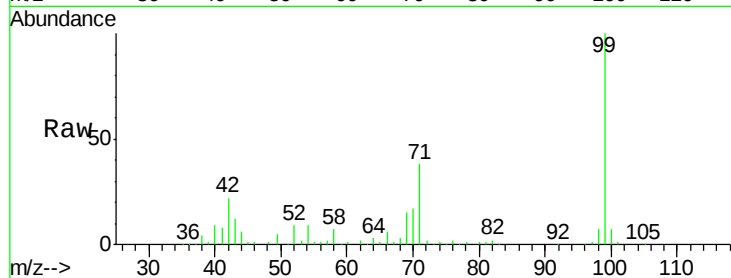
Tot Ion: 99 Resp: 349764

Ion Ratio Lower Upper

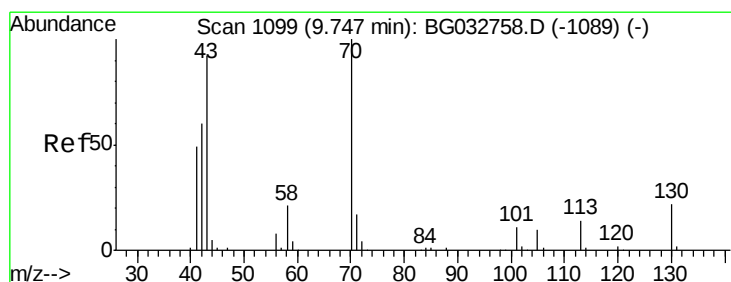
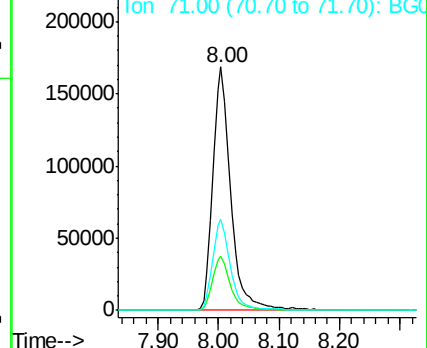
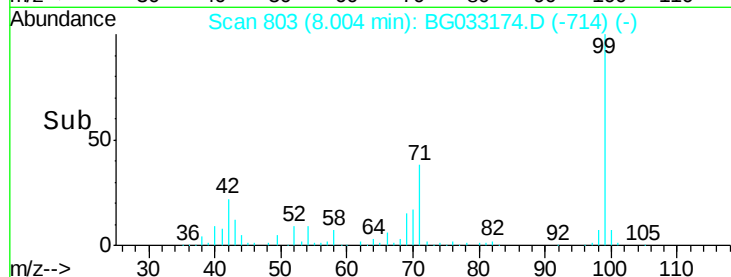
99 100

42 22.1 14.1 21.1#

71 37.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.943 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

Tgt Ion: 70 Resp: 37302

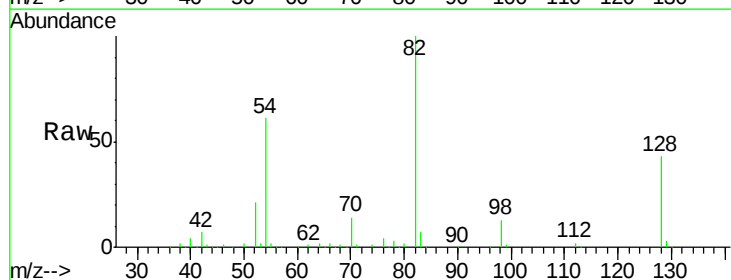
Ion Ratio Lower Upper

70 100

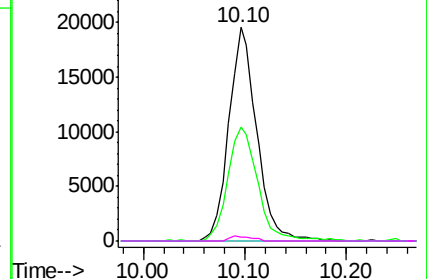
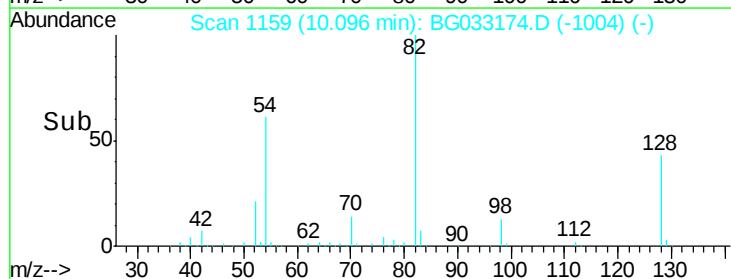
42 53.2 49.1 73.7

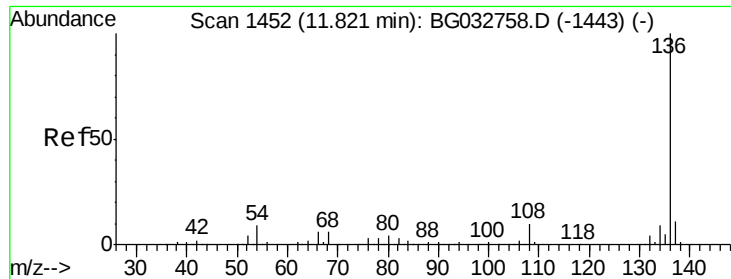
101 0.0 8.5 12.7#

130 2.0 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

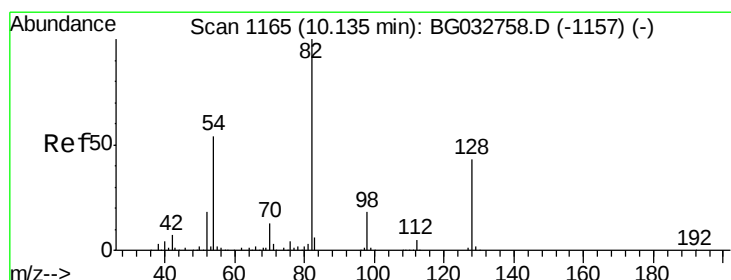
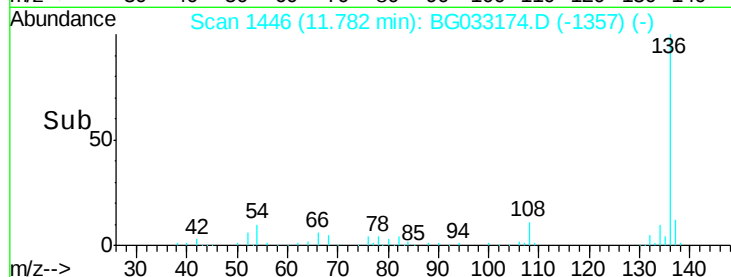
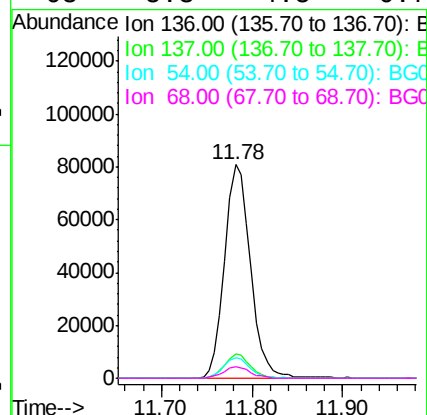
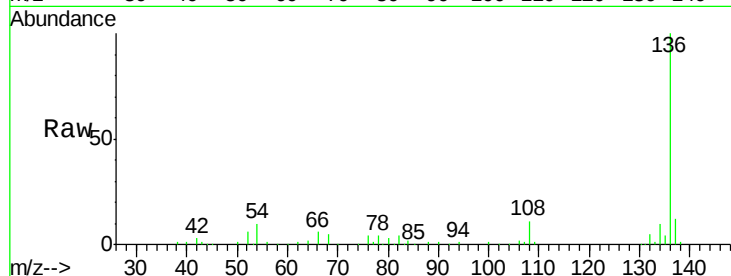




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033174.D
Acq: 15 Mar 2018 10:09

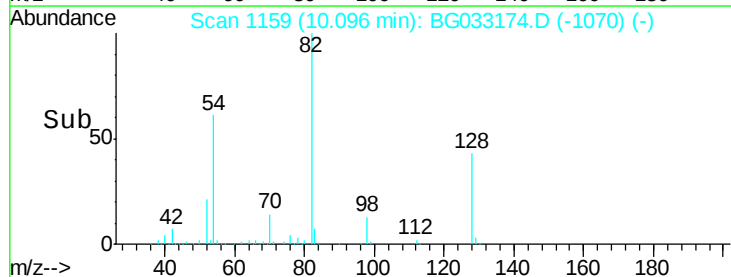
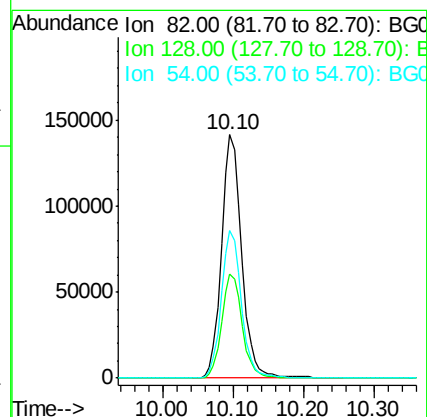
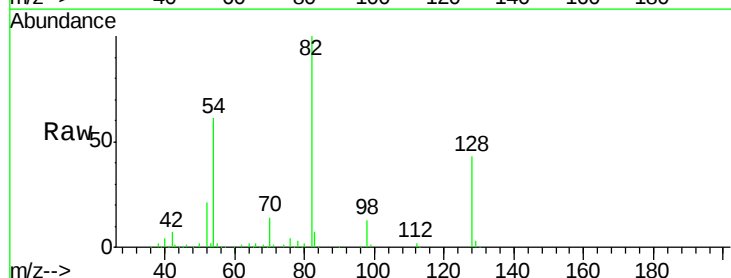
Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	160615
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	9.8	10.3	15.5
68	5.3	4.5	6.7



#23
Nitrobenzene-d5
Concen: 116.982 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BG033174.D
Acq: 15 Mar 2018 10:09

Tgt Ion:	82	Resp:	280528
Ion	Ratio	Lower	Upper
82	100		
128	42.7	29.7	44.5
54	60.6	43.1	64.7

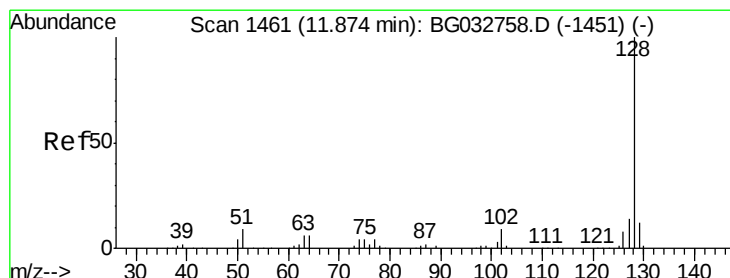
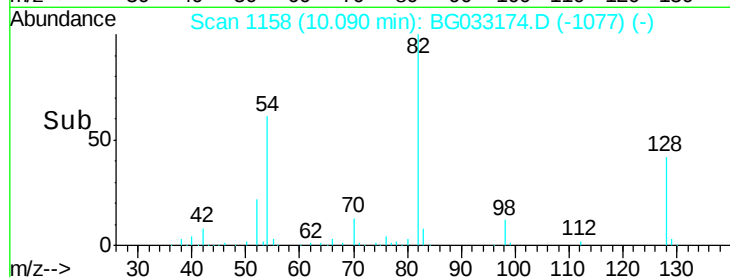
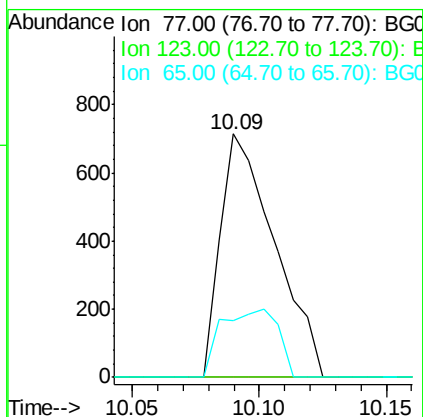
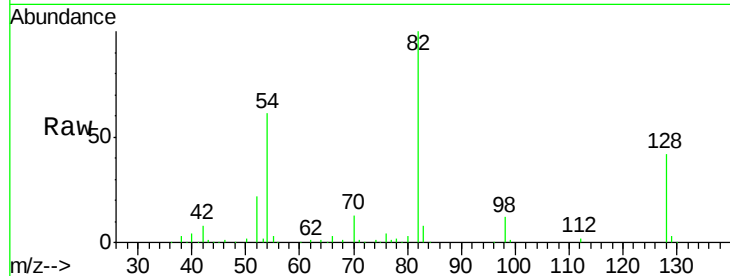




#24
Nitrobenzene
Concen: 6.740 ng
RT: 10.09 min Scan# 1158
Delta R.T. -0.05 min
Lab File: BG033174.D
Acq: 15 Mar 2018 10:09

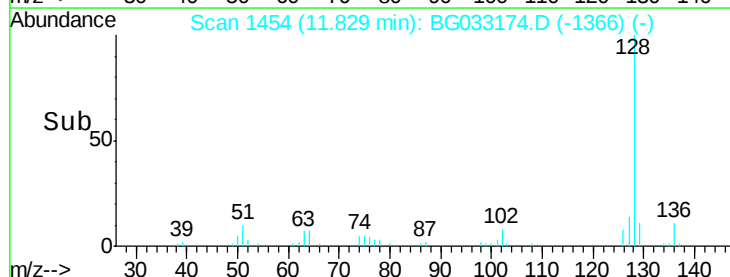
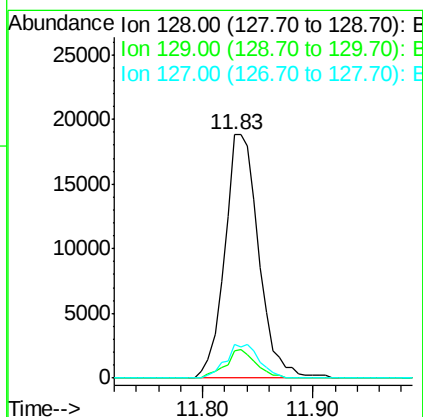
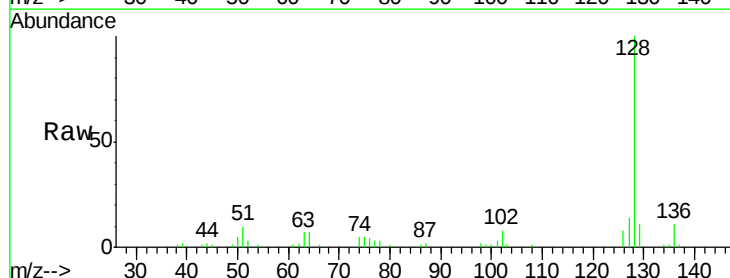
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 1062
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 23.1 13.0 19.6#



#31
Naphthalene
Concen: 4.831 ng
RT: 11.83 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BG033174.D
Acq: 15 Mar 2018 10:09

Tgt Ion: 128 Resp: 40548
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.8 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

Instrument :

BNA_G

ClientSampleId :

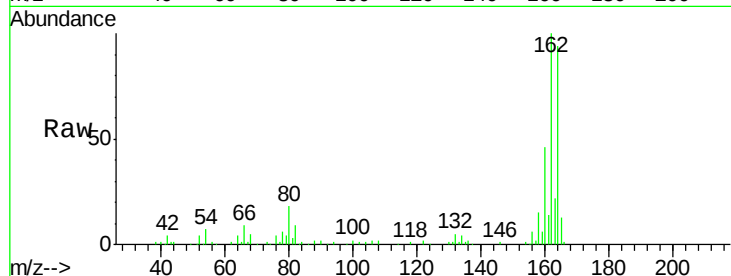
Tot Ion:164 Resp: 96905

Ion Ratio Lower Upper

164 100

162 106.4 78.8 118.2

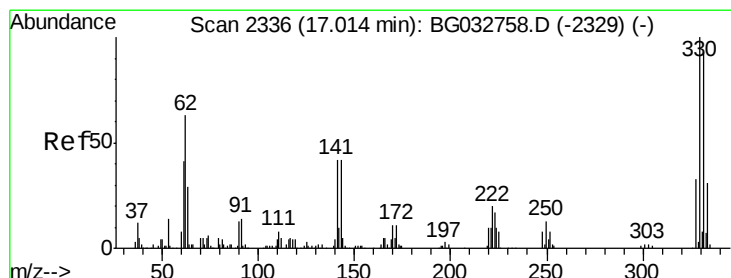
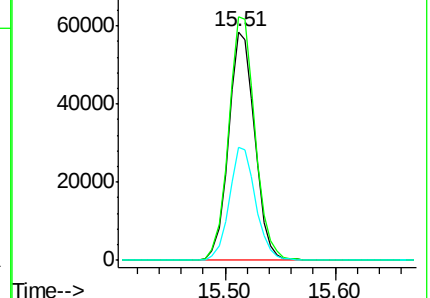
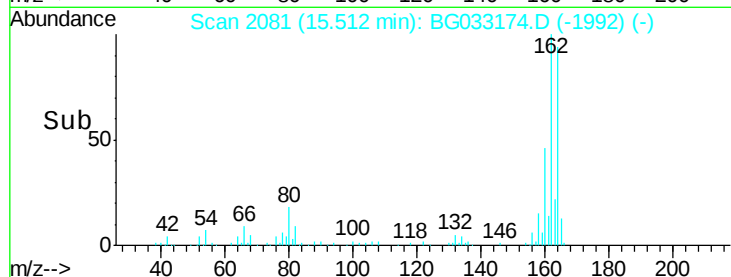
160 49.4 35.4 53.0



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: 211.677 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

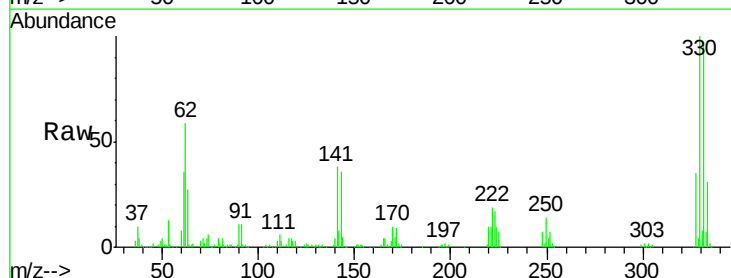
Tgt Ion:330 Resp: 215683

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

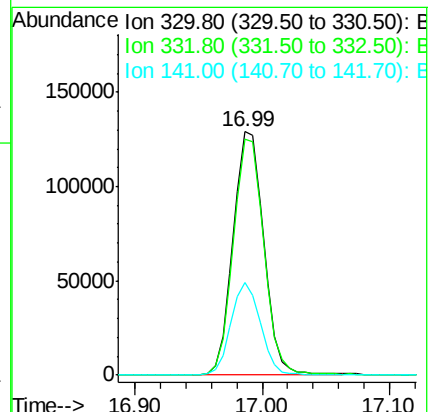
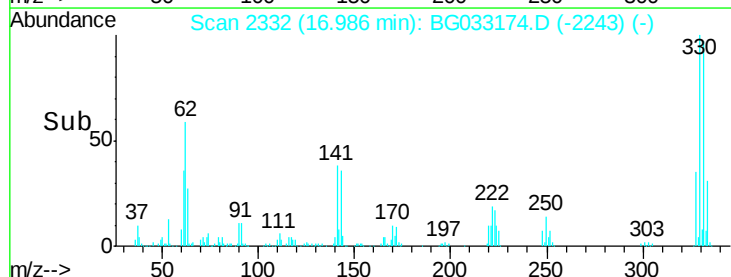
141 36.9 25.2 37.8

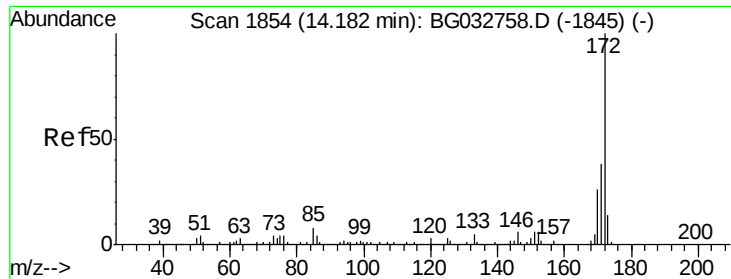


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

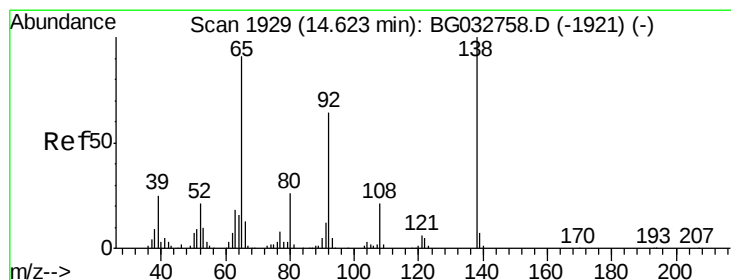
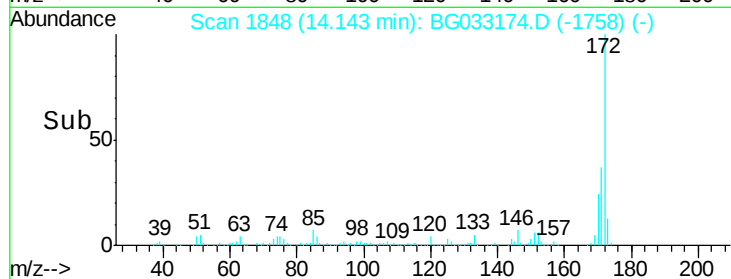
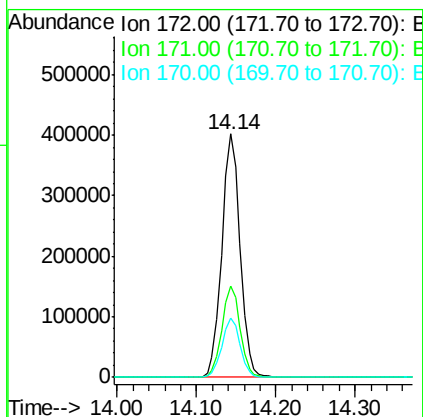
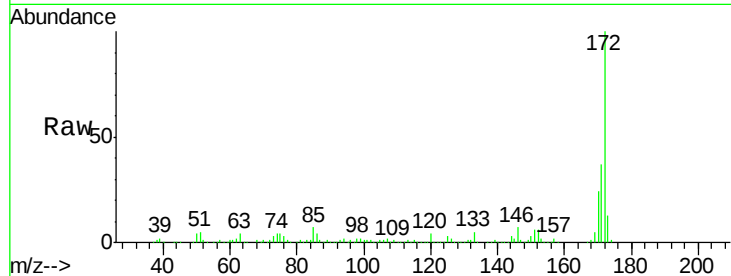




#44
 2-Fluorobiphenyl
 Concen: 95.258 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

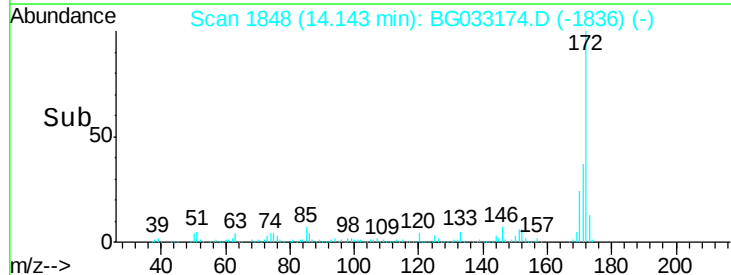
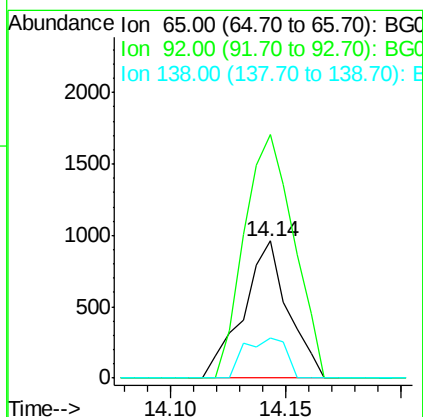
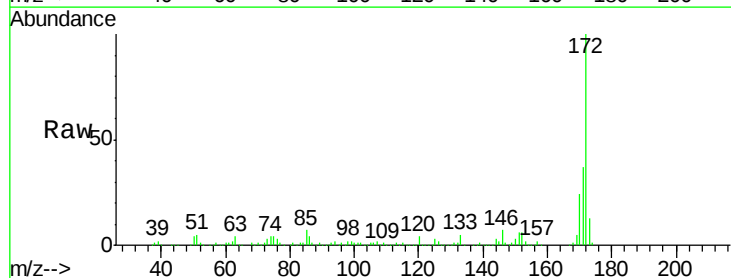
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 640042
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 24.4 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.481 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.46 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

Tgt Ion: 65 Resp: 1295
 Ion Ratio Lower Upper
 65 100
 92 177.3 54.6 82.0#
 138 29.6 72.9 109.3#

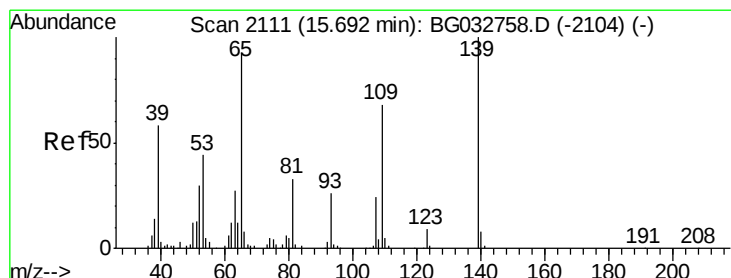
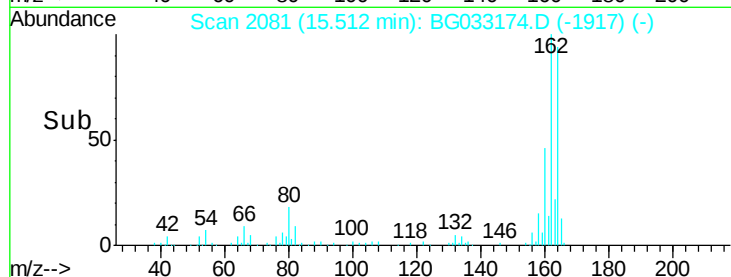
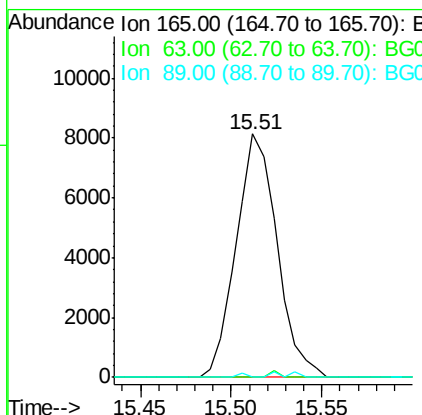
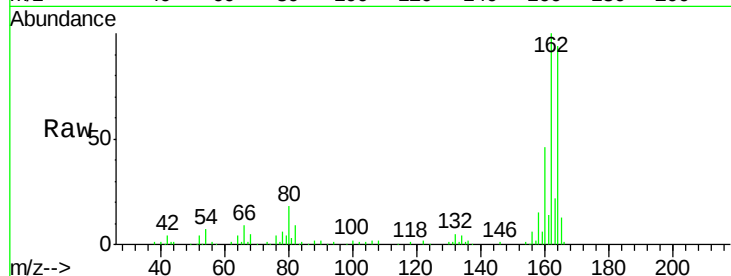




#50
 2,6-Dinitrotoluene
 Concen: 16.562 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. 0.43 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

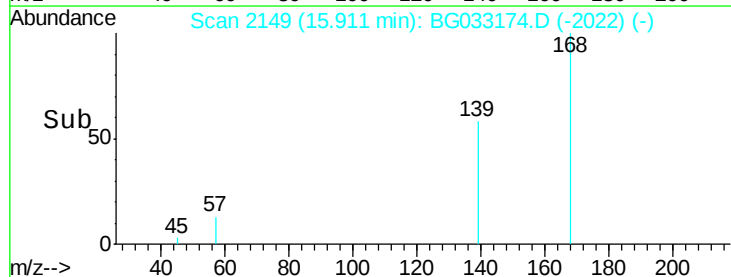
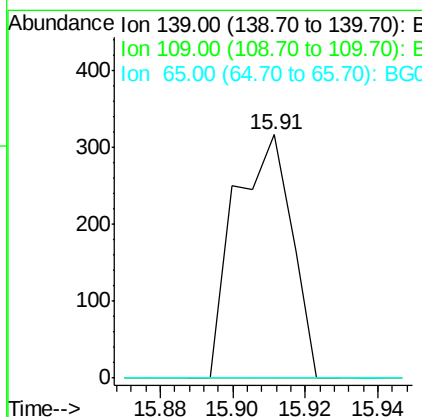
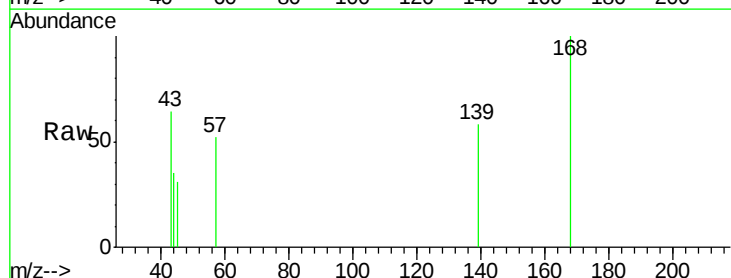
Instrument :
 BNA_G
 ClientSampled :

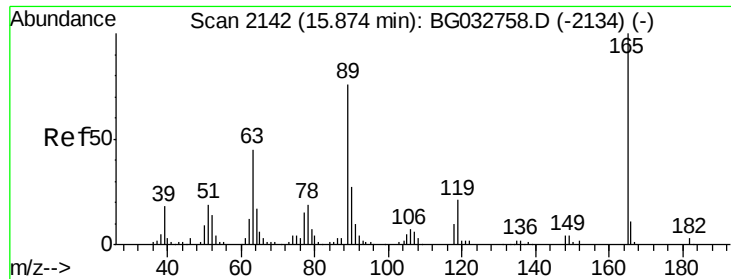
Tot Ion:165 Resp: 12812
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#55
 4-Nitrophenol
 Concen: 7.314 ng
 RT: 15.91 min Scan# 2149
 Delta R.T. 0.22 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

Tgt Ion:139 Resp: 345
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#

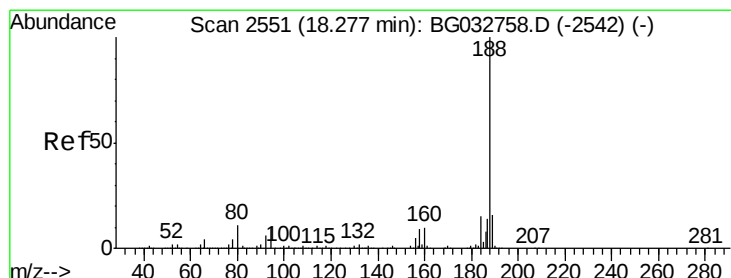
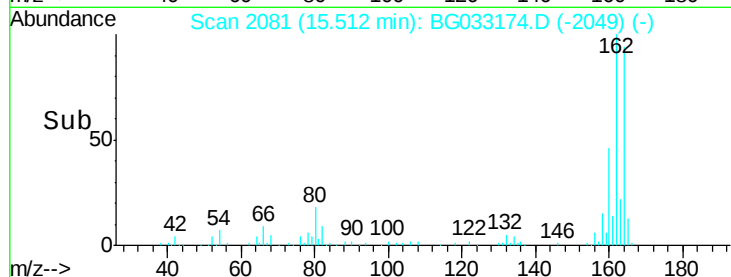
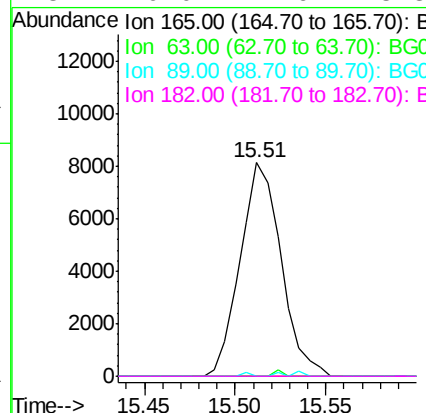
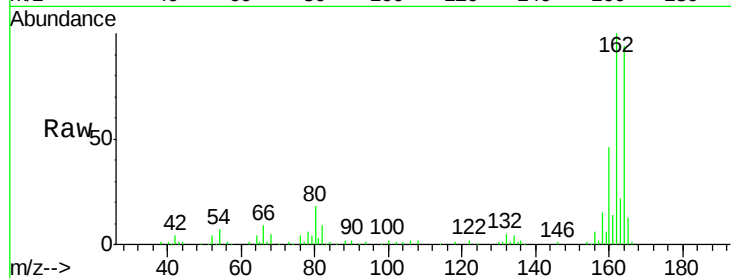




#56
 2,4-Dinitrotoluene
 Concen: 14.761 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

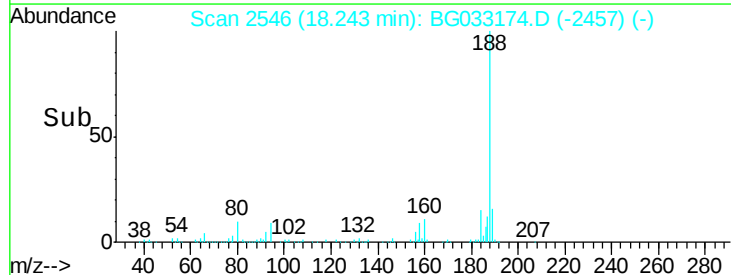
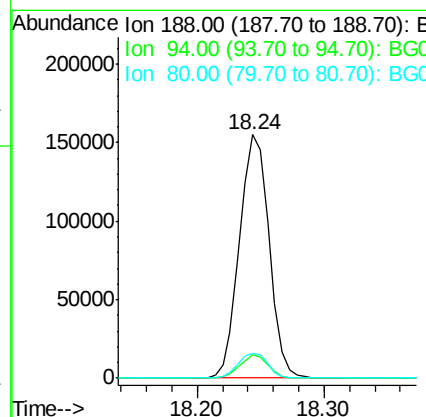
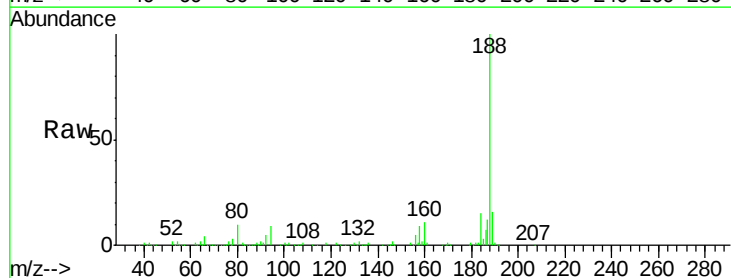
Instrument :
 BNA_G
 ClientSampleId :

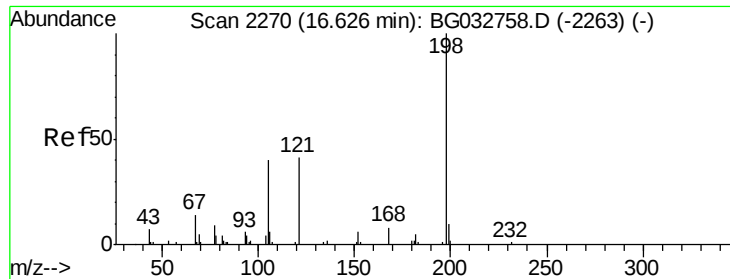
Tot Ion:	165	Resp:	12812
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

Tgt Ion:	188	Resp:	250343
Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	9.9	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.755 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

Instrument :

BNA_G

ClientSampleId :

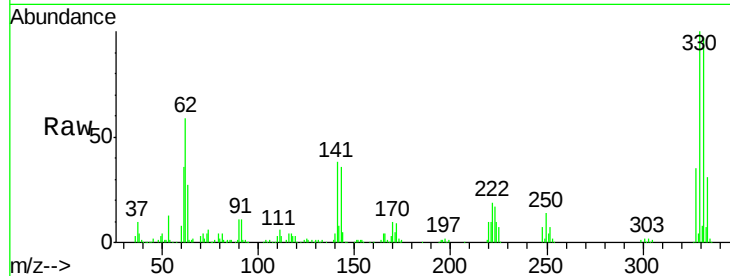
Tot Ion:198 Resp: 475

Ion Ratio Lower Upper

198 100

51 131.2 30.6 70.6#

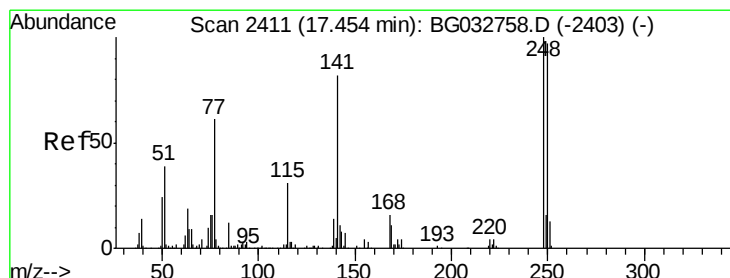
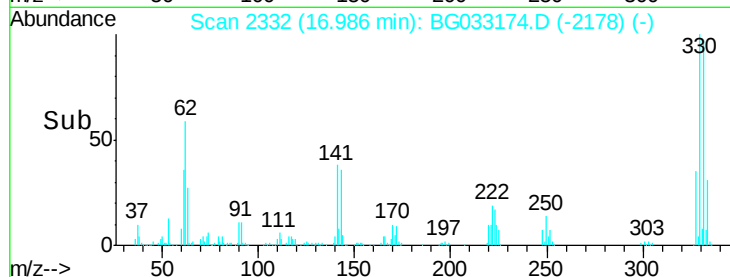
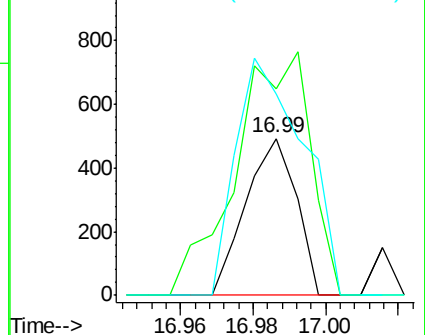
105 128.6 23.8 63.8#



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: 5.321 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

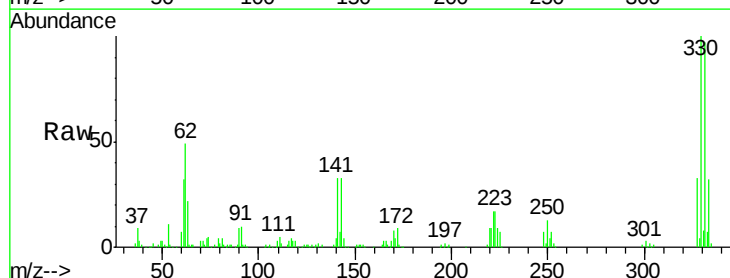
Tgt Ion:248 Resp: 14084

Ion Ratio Lower Upper

248 100

250 200.4 77.1 115.7#

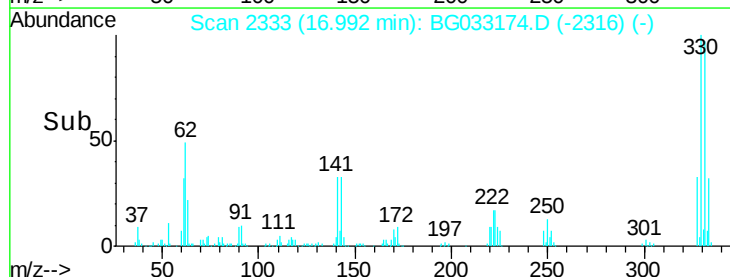
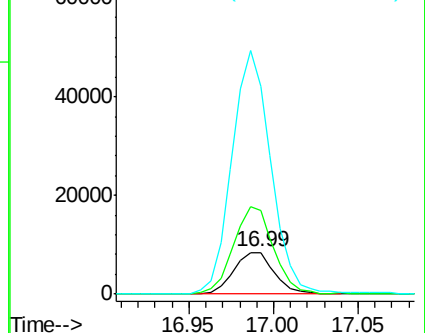
141 495.9 50.8 76.2#

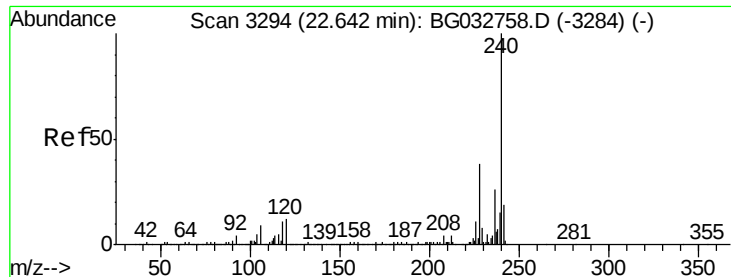


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

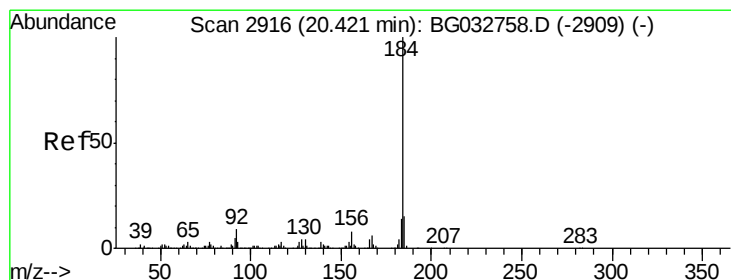
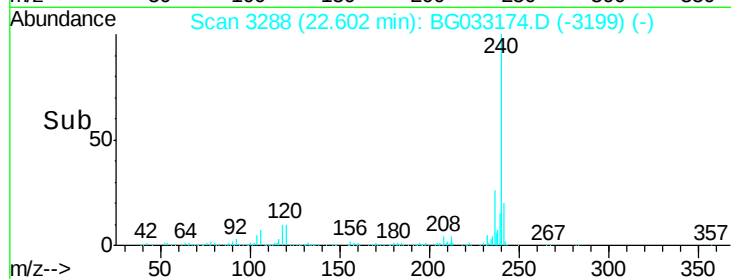
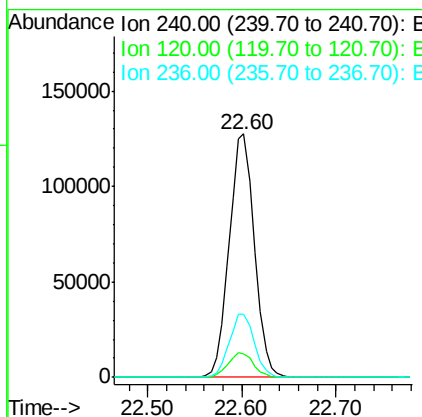
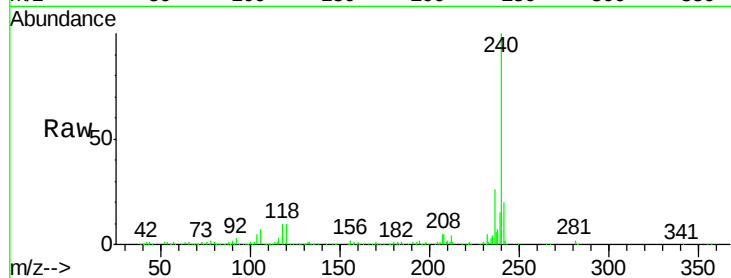




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

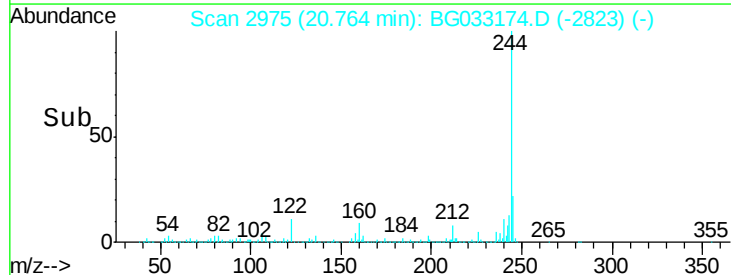
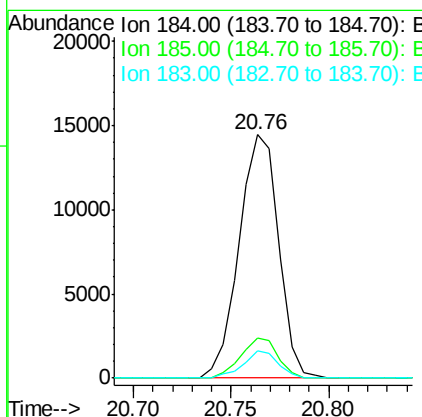
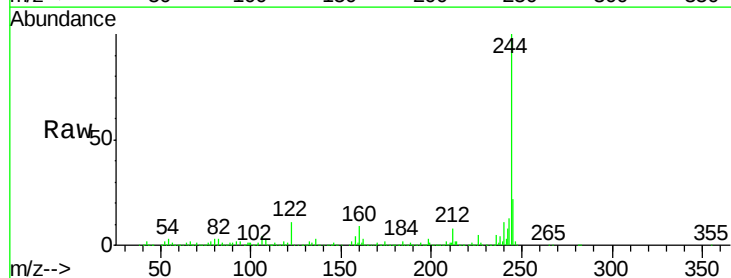
Instrument :
 BNA_G
 ClientSampleId :

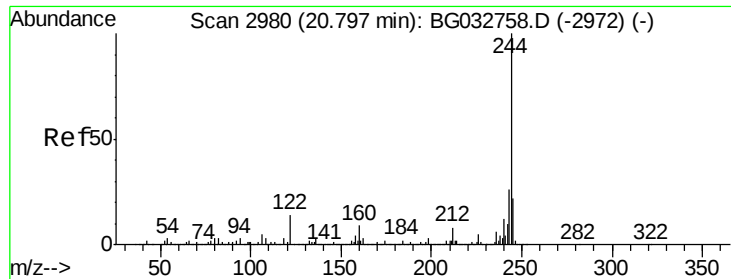
Tot Ion:240 Resp: 237040
 Ion Ratio Lower Upper
 240 100
 120 9.9 6.8 10.2
 236 25.7 20.9 31.3



#76
 Benzidine
 Concen: 2.506 ng
 RT: 20.76 min Scan# 2975
 Delta R.T. 0.36 min
 Lab File: BG033174.D
 Acq: 15 Mar 2018 10:09

Tgt Ion:184 Resp: 20246
 Ion Ratio Lower Upper
 184 100
 185 16.6 11.1 16.7
 183 11.0 10.6 16.0





#78

Terphenyl-d14

Concen: 111.135 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

Instrument :

BNA_G

ClientSampleId :

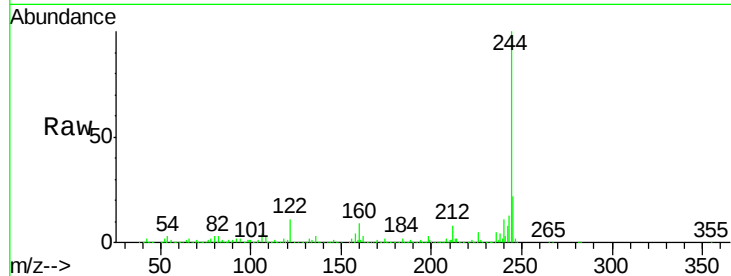
Tot Ion:244 Resp: 1172520

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

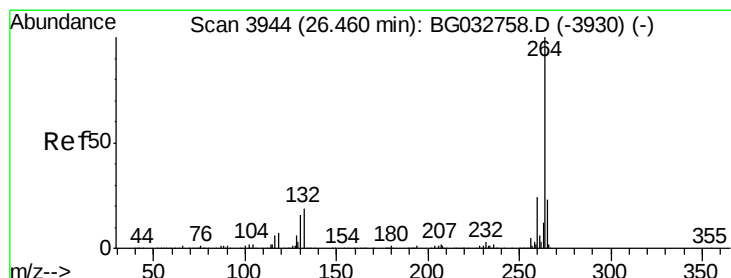
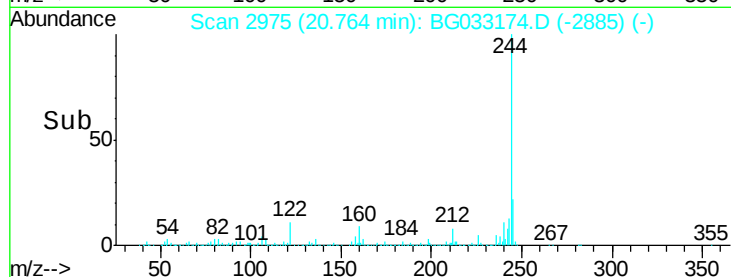
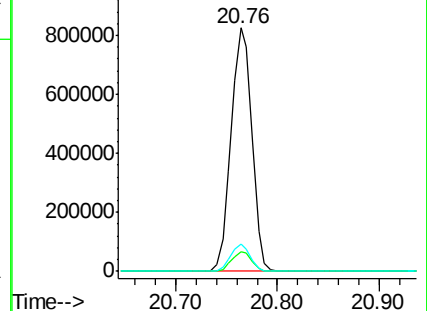
122 11.3 7.0 10.4#



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: 26.40 min Scan# 3935

Delta R.T. -0.01 min

Lab File: BG033174.D

Acq: 15 Mar 2018 10:09

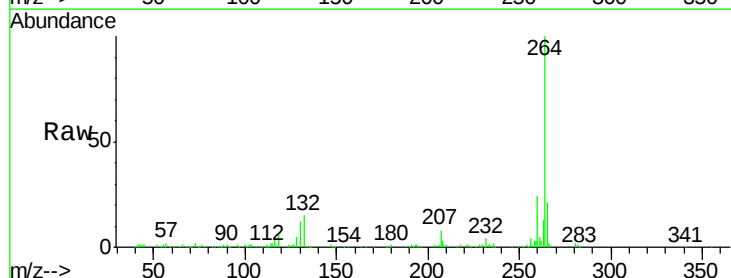
Tgt Ion:264 Resp: 251189

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 20.8 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

