

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033204.D
 Acq On : 16 Mar 2018 18:01
 Operator : SJ/JU
 Sample : J1926-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4514-16

Quant Time: Mar 17 05:20:33 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	8.89	152	41121	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	164411	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	115340	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	322875	20.00	ng	0.00
75) Chrysene-d12	22.60	240	341050	20.00	ng	-0.01
86) Perylene-d12	26.40	264	366040	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	338663	131.76	ng	0.00
7) Phenol-d6	8.00	99	458008	127.84	ng	0.00
23) Nitrobenzene-d5	10.10	82	363598	145.48	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	259632	214.08	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	799228	99.94	ng	0.00
78) Terphenyl-d14	20.76	244	1567528	103.26	ng	0.00

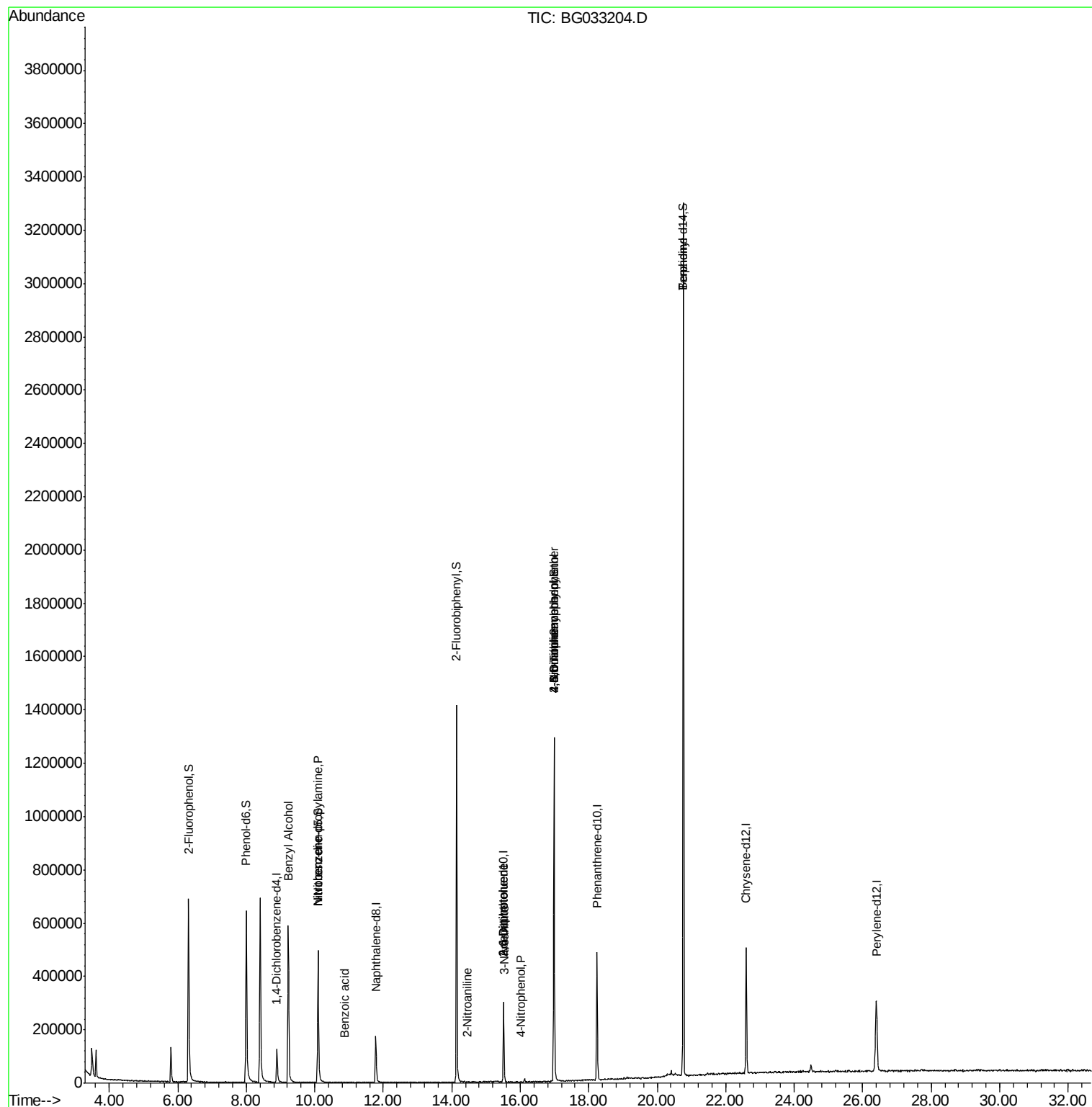
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	6226	2.364	ng	# 41
19) n-Nitroso-di-n-propylamine	10.10	70	49487	19.566	ng	# 78
24) Nitrobenzene	10.09	77	1056	6.730	ng	# 41
32) Benzoic acid	10.88	122	60	5.862	ng	# 1
47) 2-Nitroaniline	14.46	65	54	9.858	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	15340	16.607	ng	# 20
52) 3-Nitroaniline	15.53	138	61	7.569	ng	# 1
55) 4-Nitrophenol	16.02	139	54	7.111	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	15340	14.806	ng	# 18
61) 4-Nitroaniline	16.98	138	115	5.348	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.98	198	632	5.780	ng	# 1
66) 4-Bromophenyl-phenylether	16.98	248	19287	5.649	ng	# 1
76) Benzidine	20.76	184	26276	2.260	ng	# 87

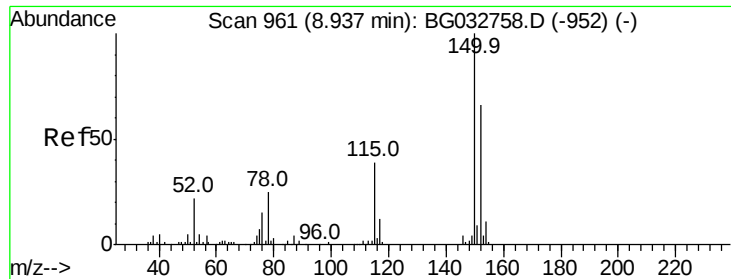
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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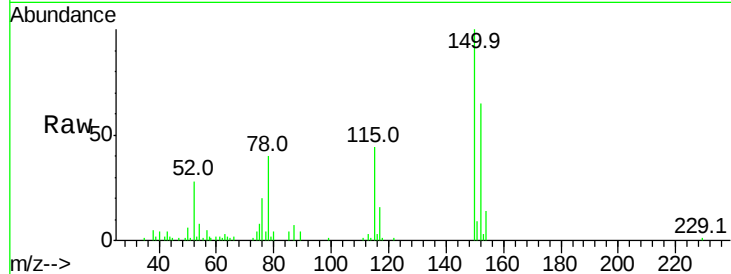


#1

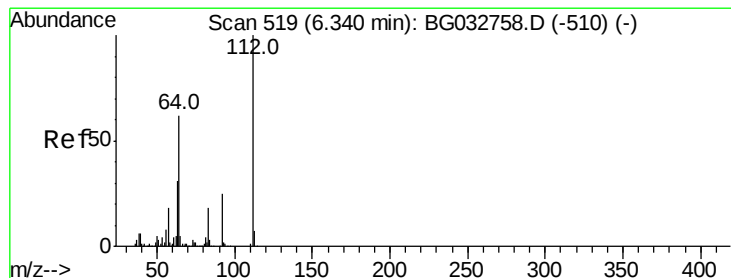
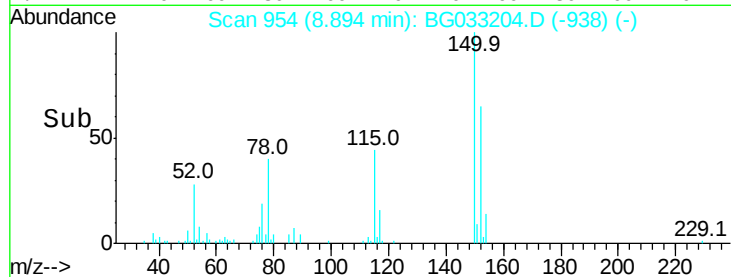
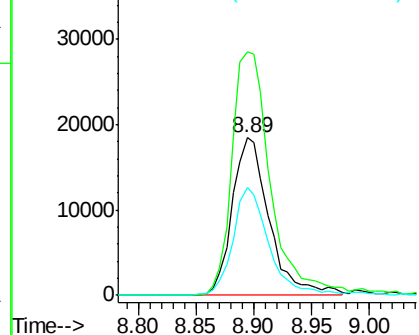
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Instrument :
BNA_G
ClientSampleId :
4514-16

Tot Ion:152 Resp: 41121
Ion Ratio Lower Upper
152 100
150 154.4 126.6 189.8
115 68.6 53.0 79.4



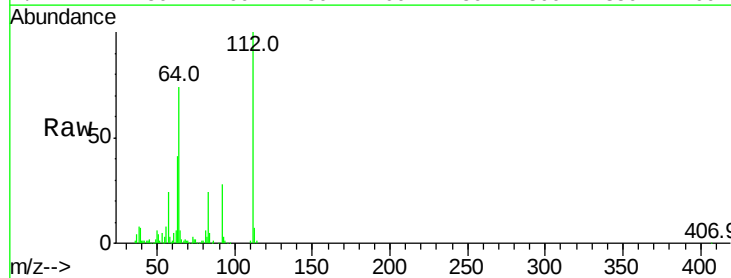
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



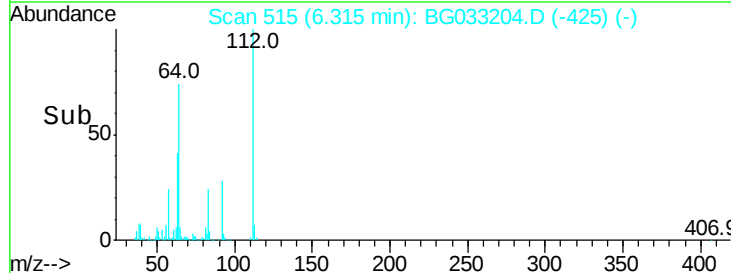
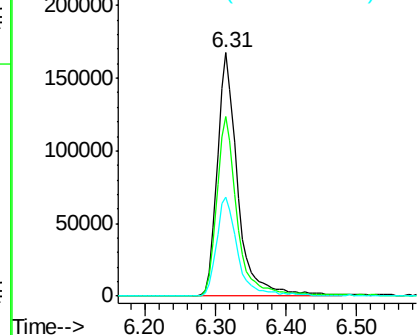
#5

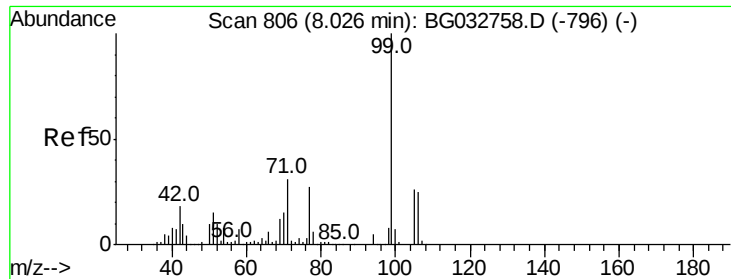
2-Fluorophenol
Concen: 131.760 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Tgt Ion:112 Resp: 338663
Ion Ratio Lower Upper
112 100
64 73.7 56.3 84.5
63 40.8 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: 127.841 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

Instrument :

BNA_G

ClientSampled :

4514-16

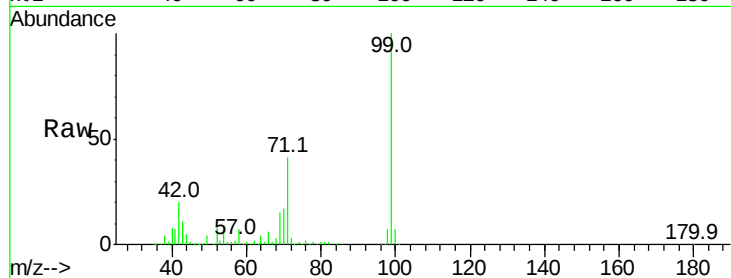
Tot Ion: 99 Resp: 458008

Ion Ratio Lower Upper

99 100

42 19.9 14.1 21.1

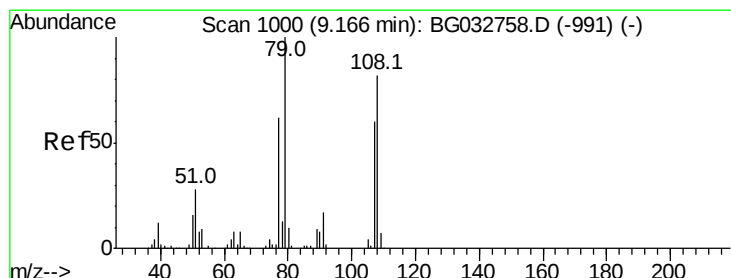
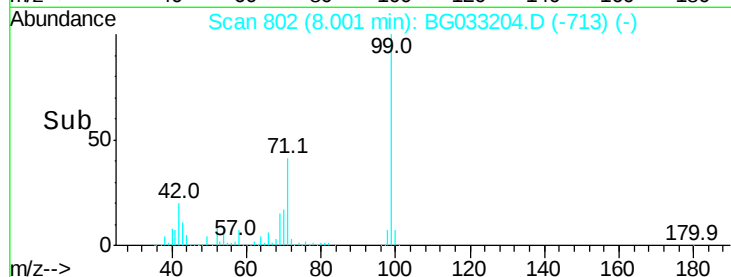
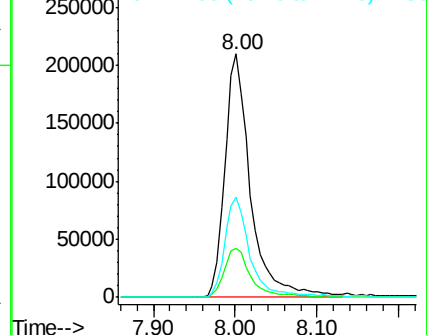
71 41.0 26.1 39.1#



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: 2.364 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

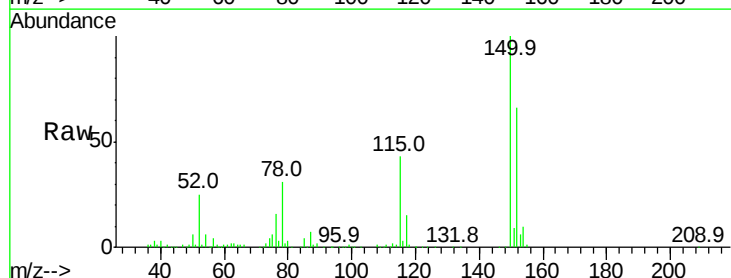
Tgt Ion: 79 Resp: 6226

Ion Ratio Lower Upper

79 100

108 30.6 57.2 85.8#

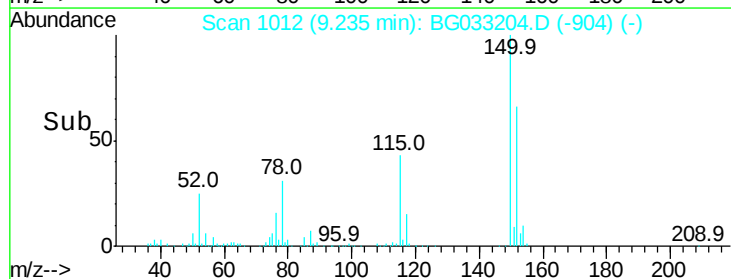
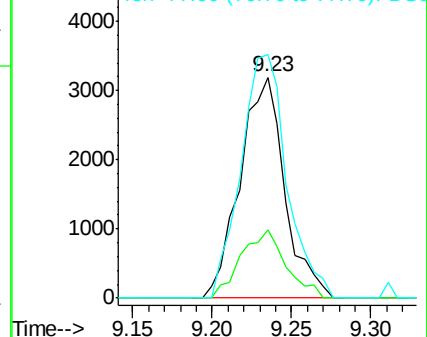
77 110.3 46.1 69.1#

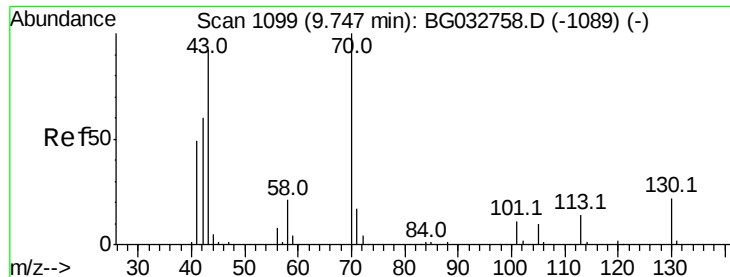


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

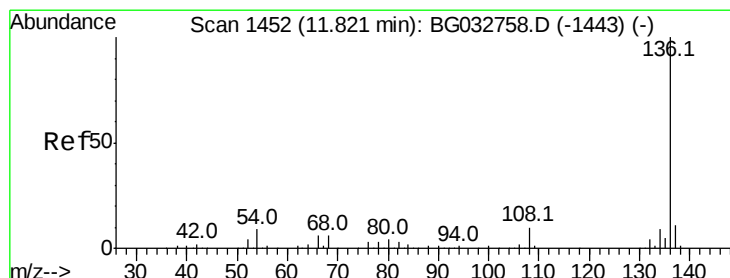
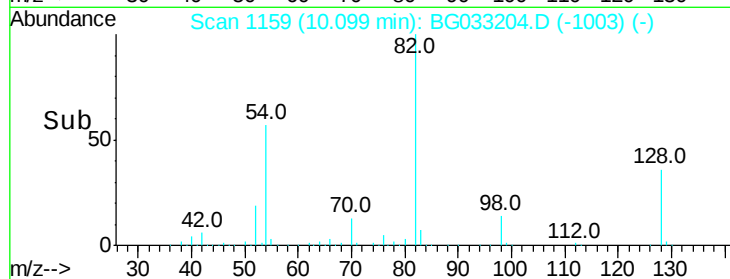
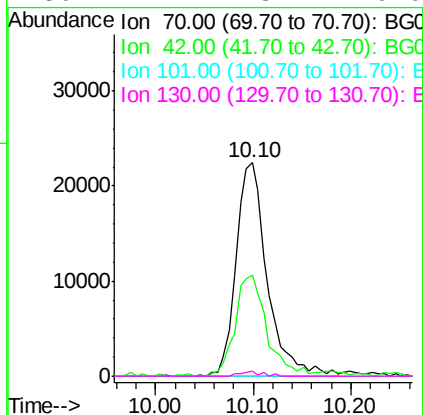
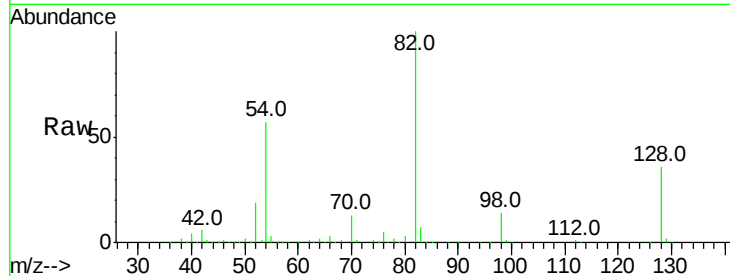




#19
n-Nitroso-di-n-propylamine
Concen: 19.566 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

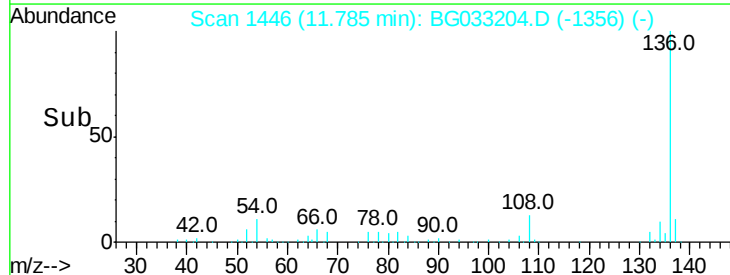
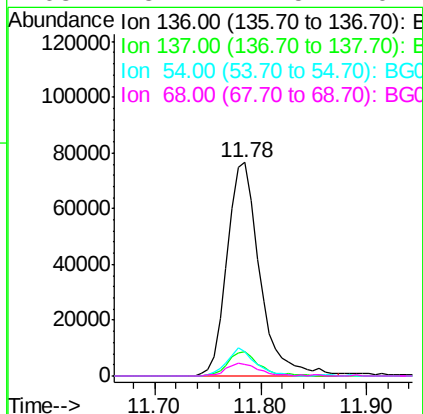
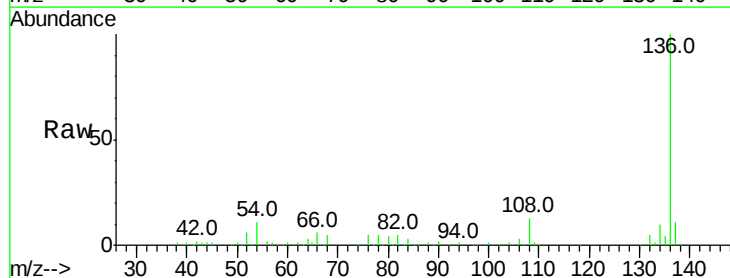
Instrument :
BNA_G
ClientSampleId :
4514-16

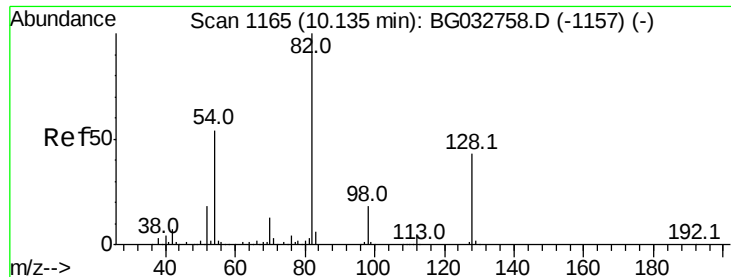
Tot Ion: 70 Resp: 49487
Ion Ratio Lower Upper
70 100
42 47.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Tgt Ion: 136 Resp: 164411
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 11.4 10.3 15.5
68 5.2 4.5 6.7





#23

Nitrobenzene-d5

Concen: 145.484 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

Instrument :

BNA_G

ClientSampled :

4514-16

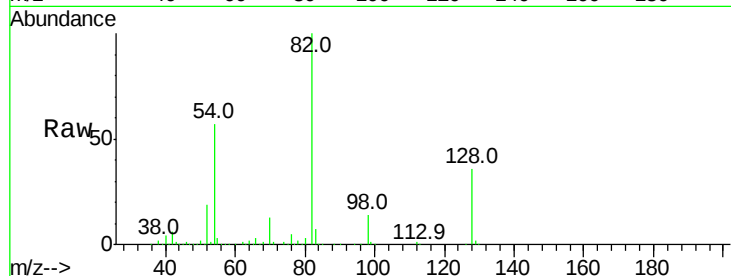
Tot Ion: 82 Resp: 363598

Ion Ratio Lower Upper

82 100

128 35.9 29.7 44.5

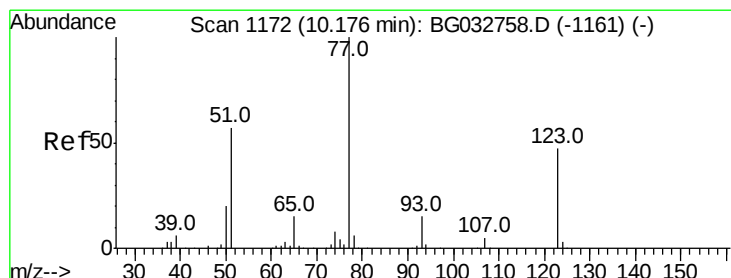
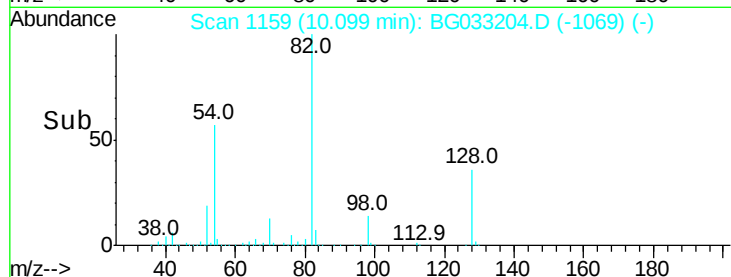
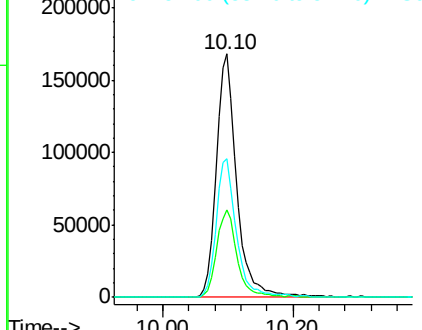
54 57.0 43.1 64.7



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: 6.730 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

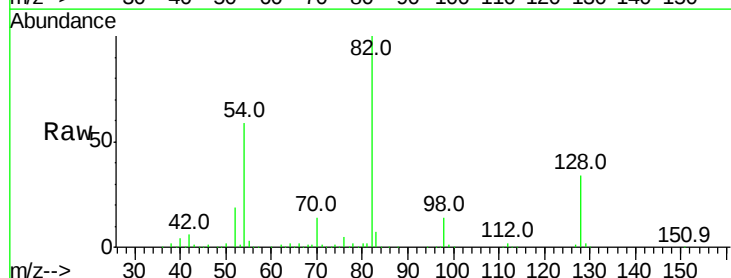
Tgt Ion: 77 Resp: 1056

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

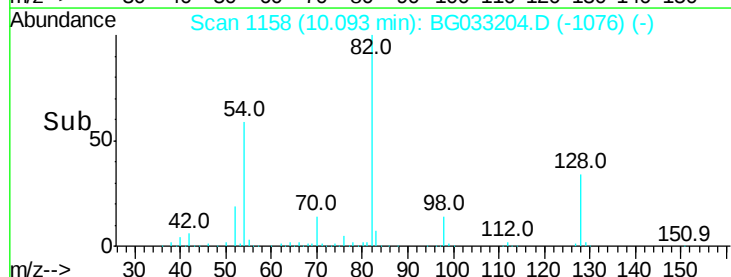
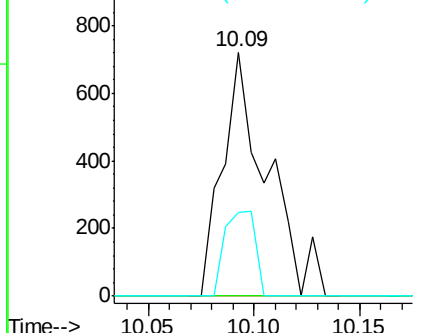
65 34.5 13.0 19.6#

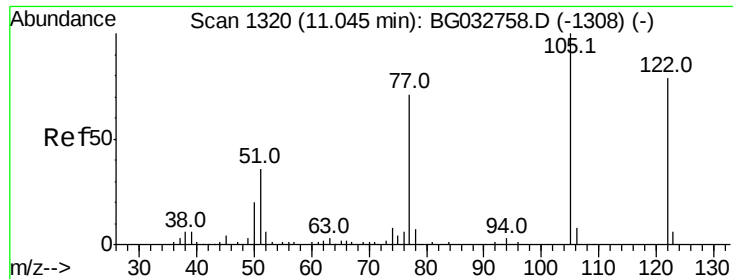


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

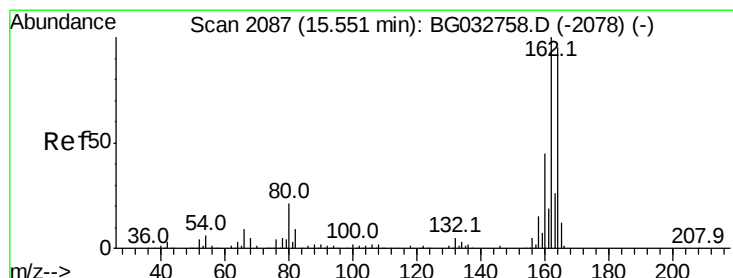
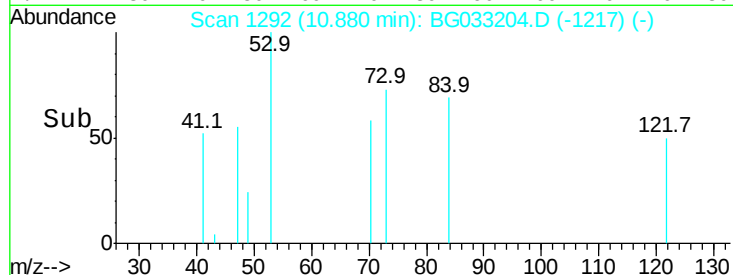
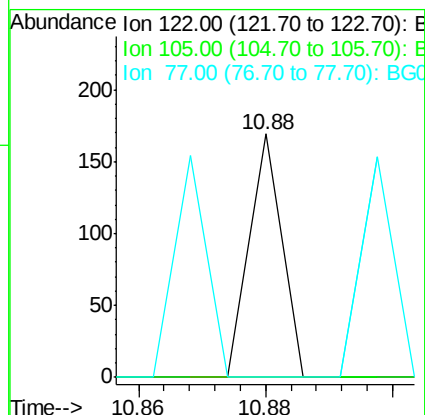
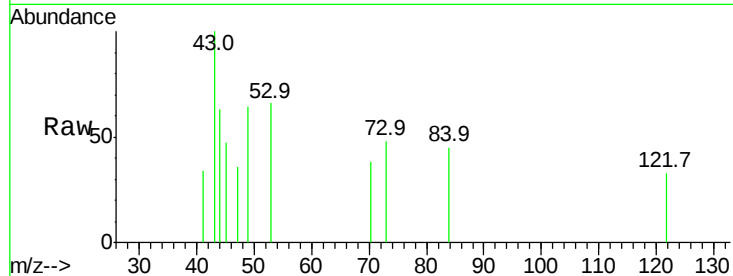




#32
Benzoic acid
Concen: 5.862 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.09 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

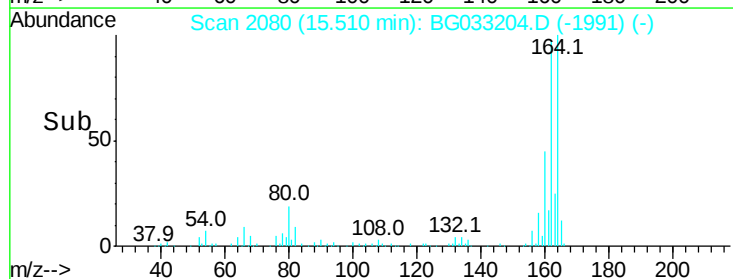
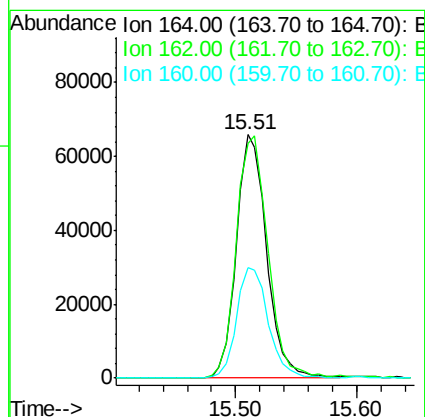
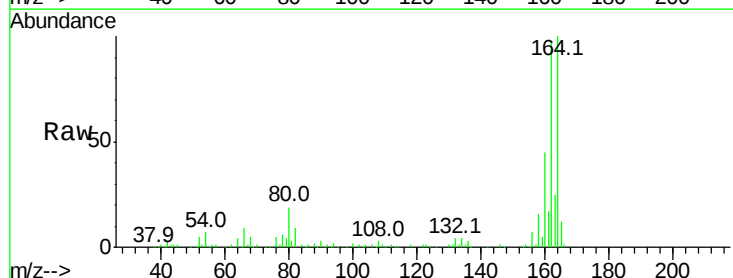
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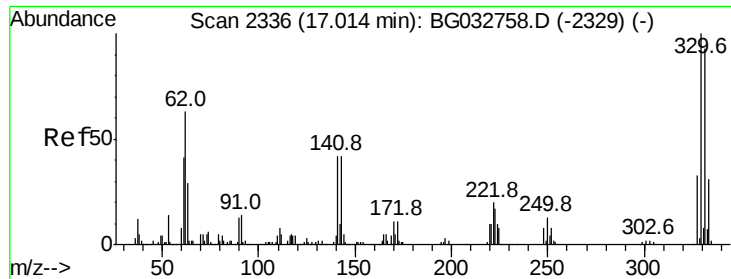
Tot Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.01 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Tgt Ion:164 Resp: 115340
Ion Ratio Lower Upper
164 100
162 96.5 78.8 118.2
160 45.2 35.4 53.0

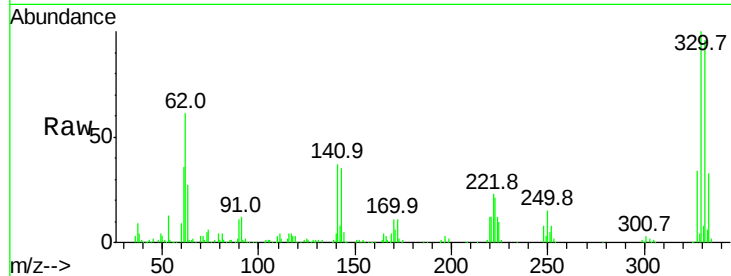




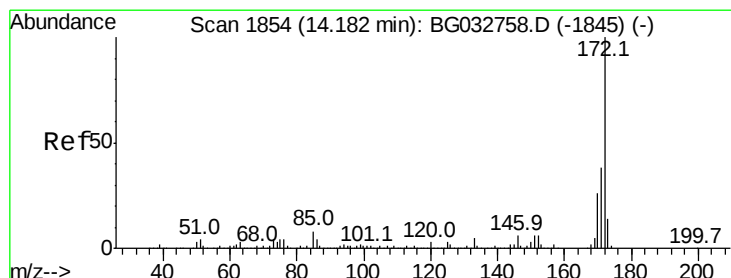
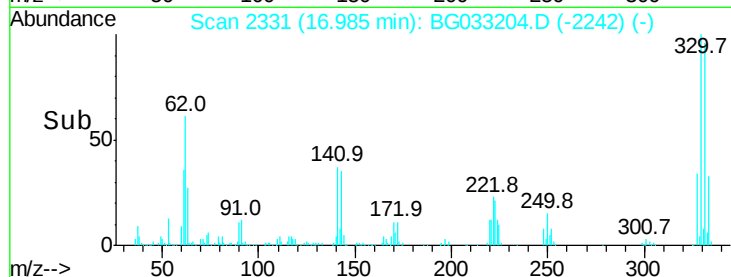
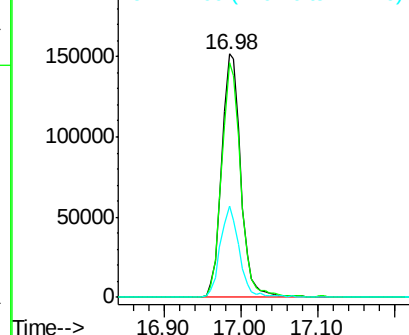
#41
 2,4,6-Tribromophenol
 Concen: 214.084 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: BG033204.D
 Acq: 16 Mar 2018 18:01

Instrument :
 BNA_G
 ClientSampleId :
 4514-16

Tot Ion:330 Resp: 259632
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 36.8 25.2 37.8

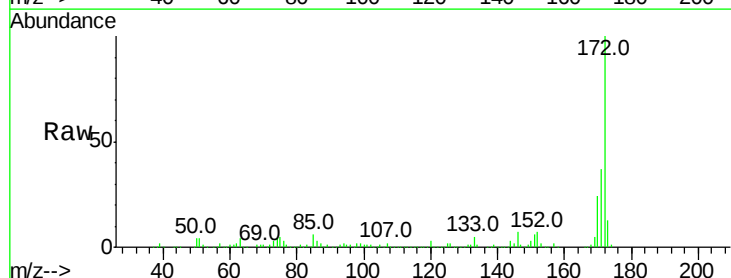


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

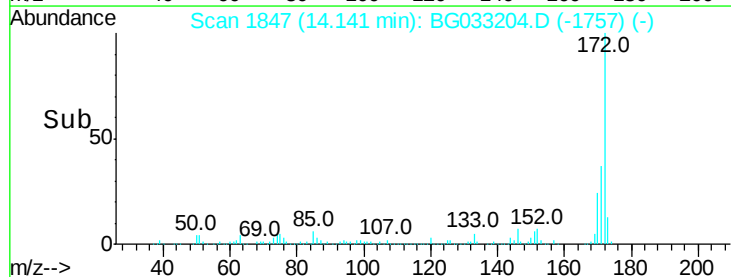
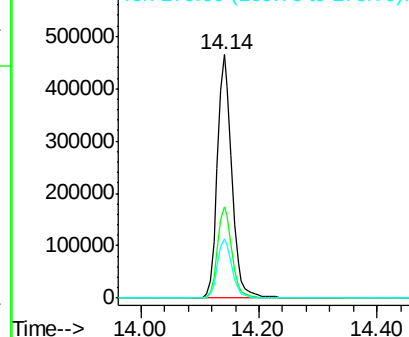


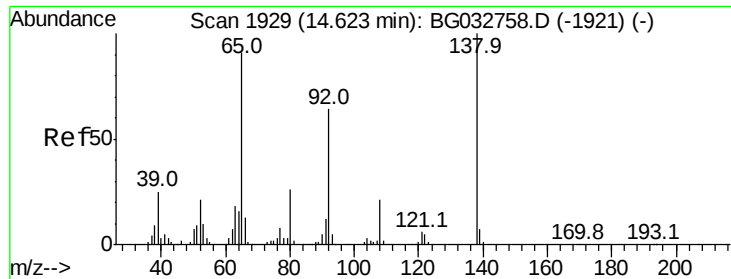
#44
 2-Fluorobiphenyl
 Concen: 99.938 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033204.D
 Acq: 16 Mar 2018 18:01

Tgt Ion:172 Resp: 799228
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 24.4 19.5 29.3



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: 9.858 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.14 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

Instrument :

BNA_G

ClientSampleId :

4514-16

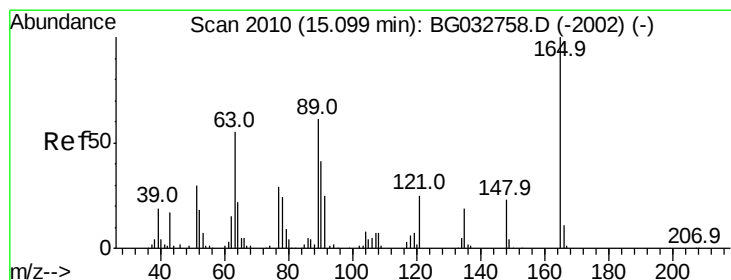
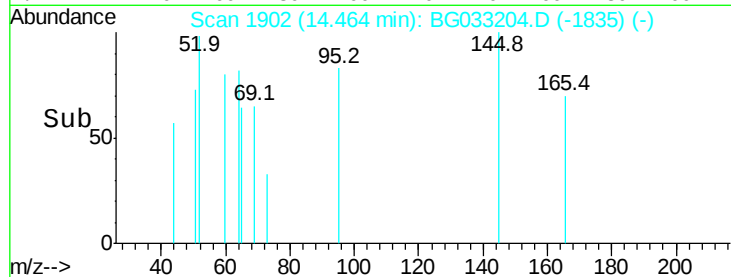
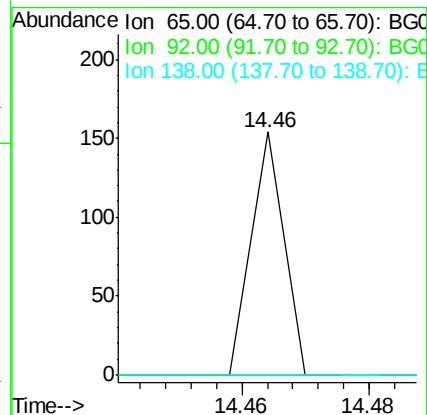
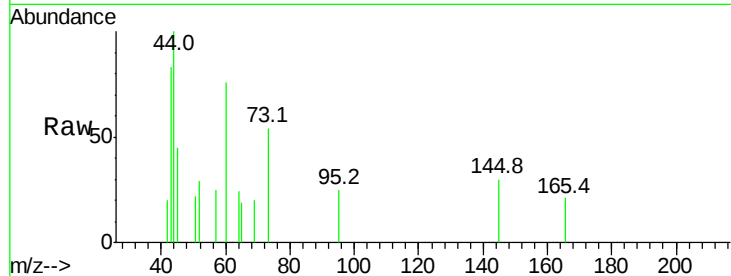
Tot Ion: 65 Resp: 54

Ion Ratio Lower Upper

65 100

92 0.0 54.6 82.0#

138 0.0 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.607 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.43 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

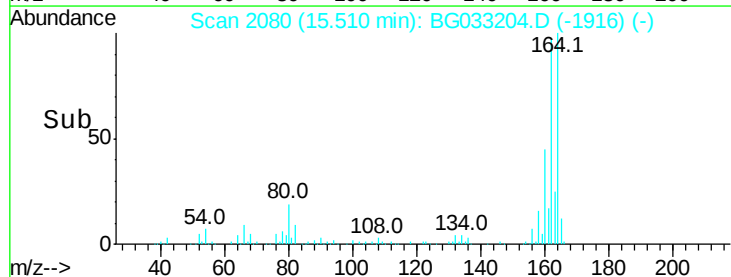
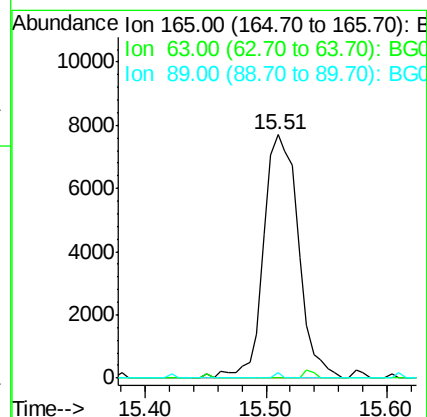
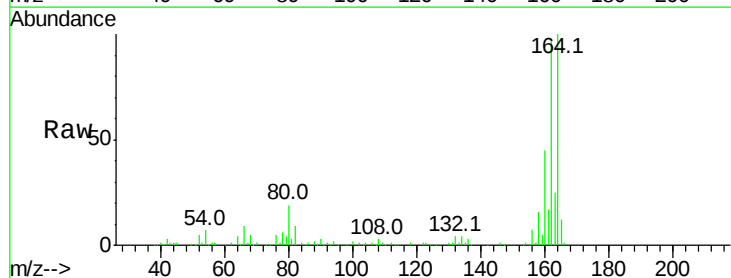
Tgt Ion:165 Resp: 15340

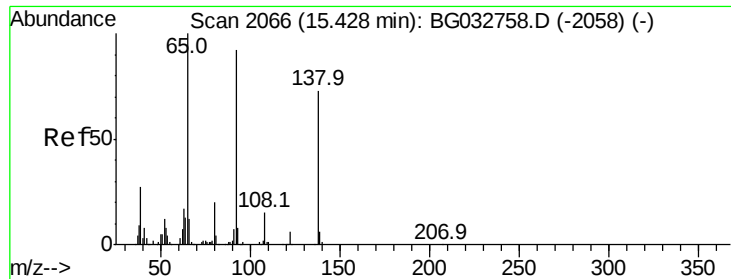
Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

89 2.1 49.2 73.8#





#52

3-Nitroaniline

Concen: 7.569 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.12 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

Instrument :

BNA_G

ClientSampleId :

4514-16

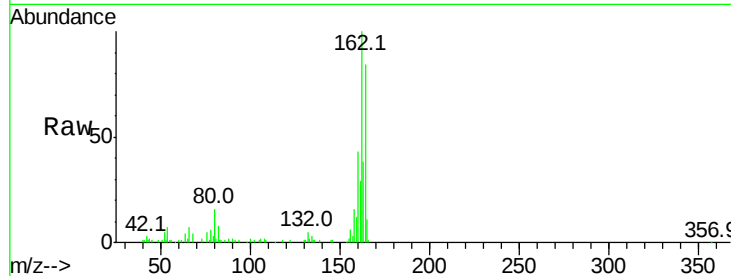
Tot Ion:138 Resp: 61

Ion Ratio Lower Upper

138 100

108 400.0 17.5 26.3#

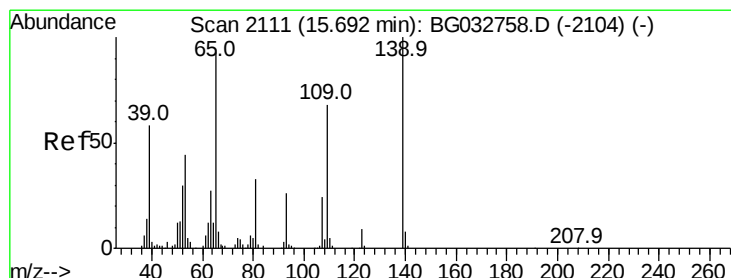
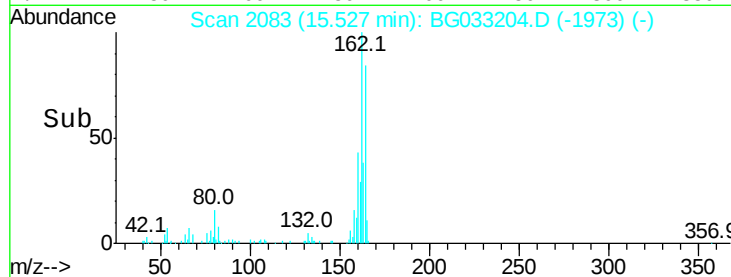
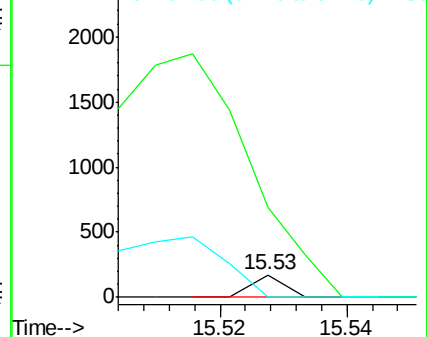
92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#55

4-Nitrophenol

Concen: 7.111 ng

RT: 16.02 min Scan# 2166

Delta R.T. 0.32 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

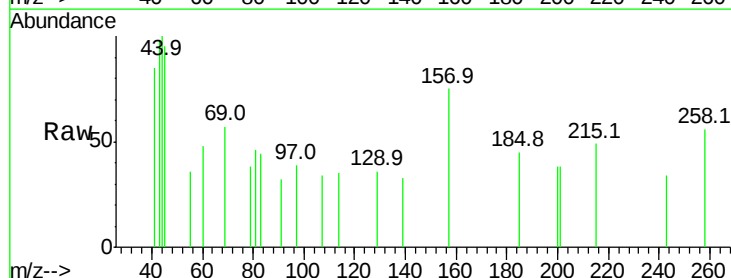
Tgt Ion:139 Resp: 54

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

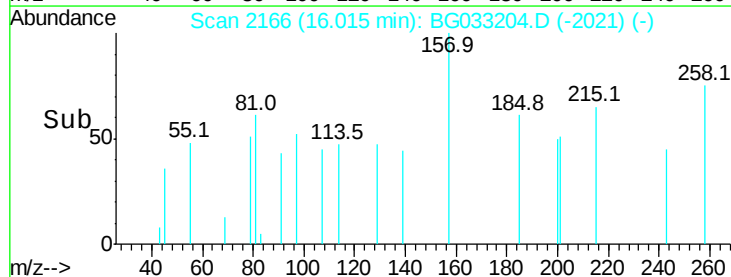
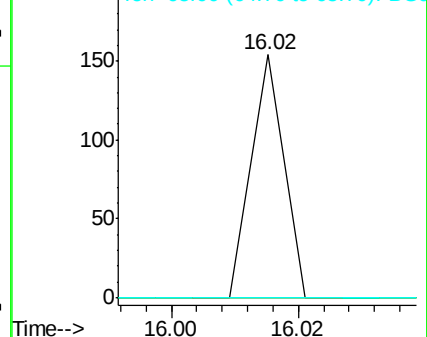
65 0.0 97.2 137.2#

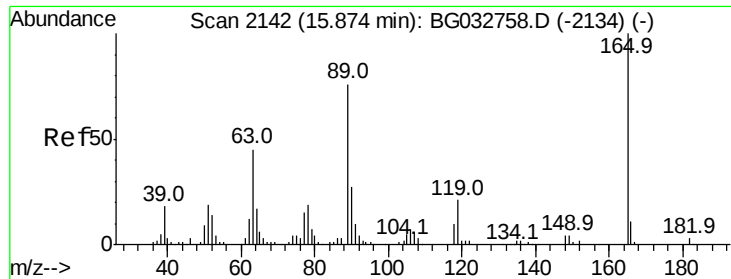


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

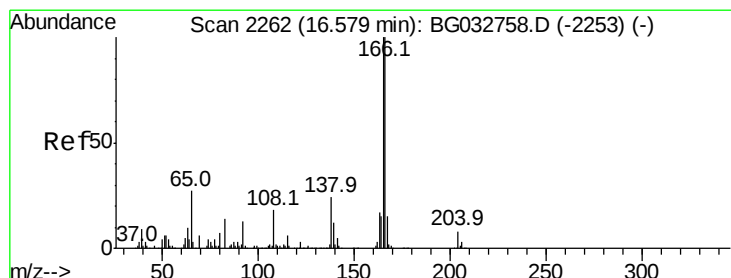
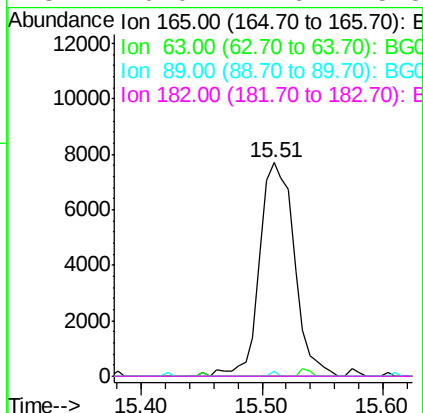
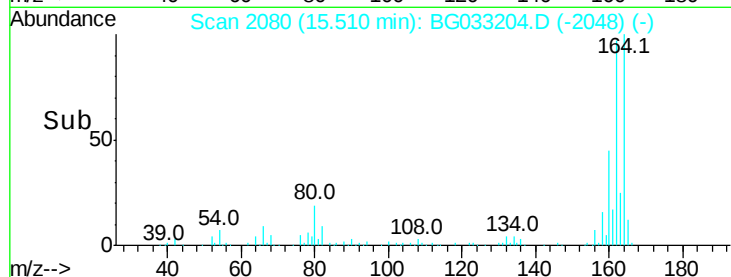
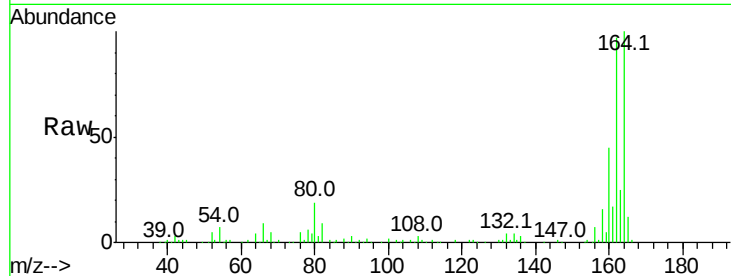




#56
2,4-Dinitrotoluene
Concen: 14.806 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

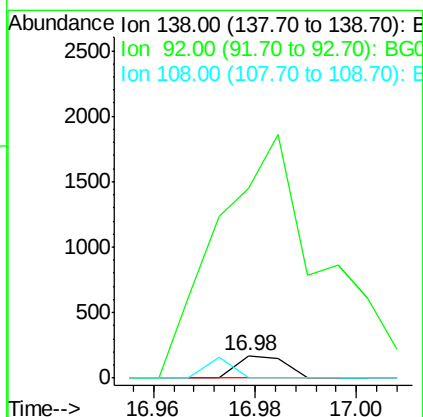
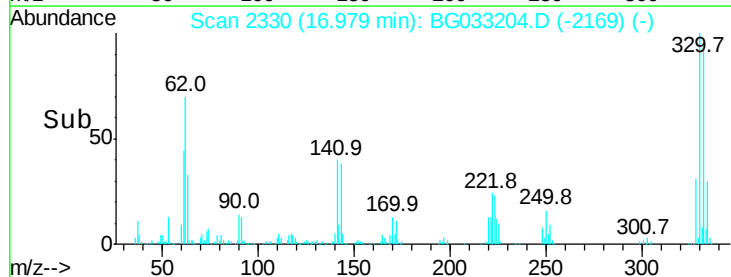
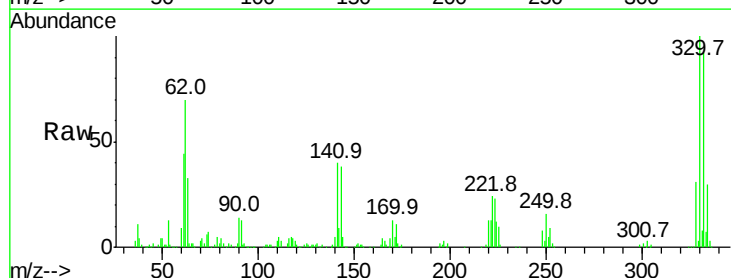
Instrument :
BNA_G
ClientSampleId :
4514-16

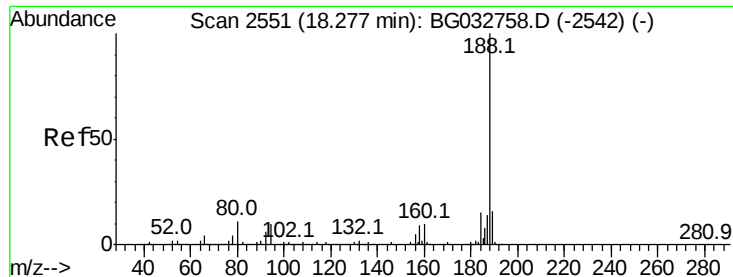
Tot Ion:165 Resp: 15340
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.1 66.9 100.3#
182 0.0 2.6 3.8#



#61
4-Nitroaniline
Concen: 5.348 ng
RT: 16.98 min Scan# 2330
Delta R.T. 0.42 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Tgt Ion:138 Resp: 115
Ion Ratio Lower Upper
138 100
92 835.6 40.1 80.1#
108 0.0 65.4 105.4#

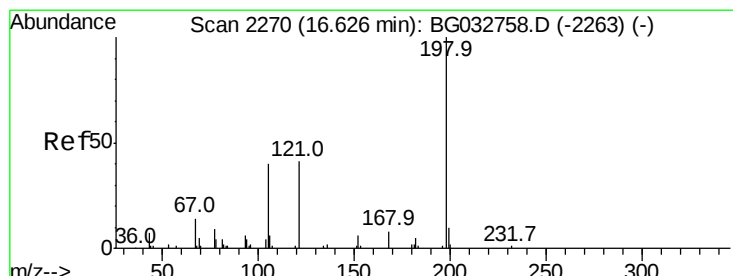
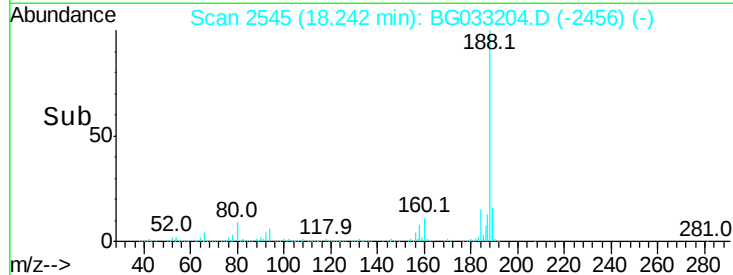
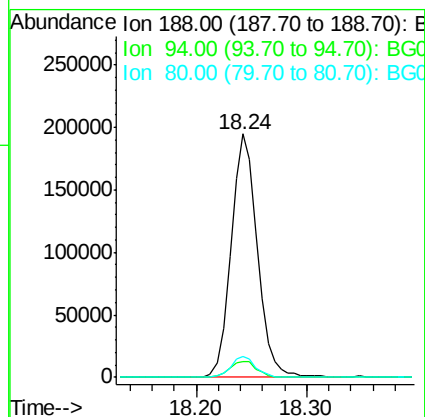
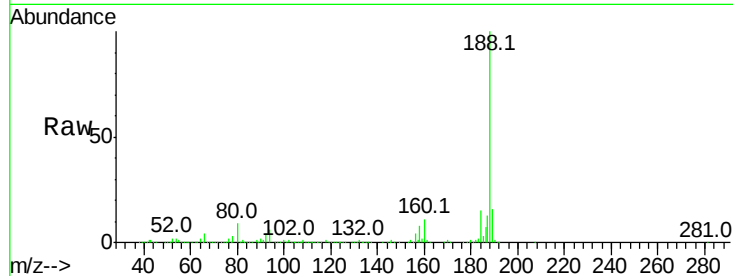




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

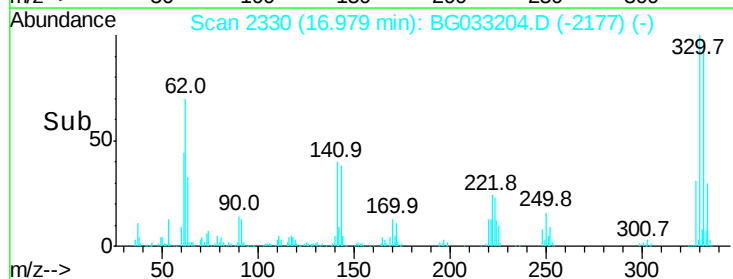
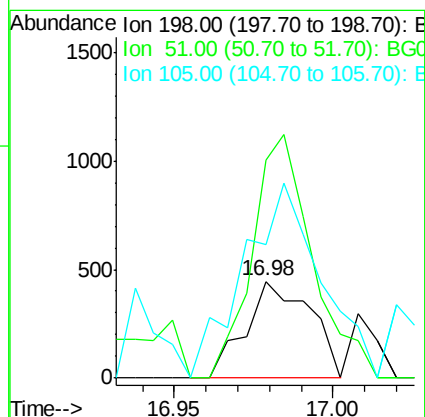
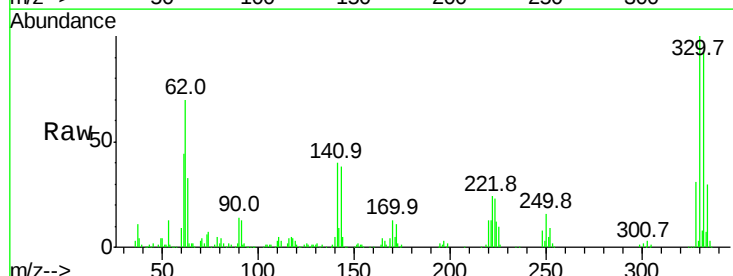
Instrument :
BNA_G
ClientSampleId :
4514-16

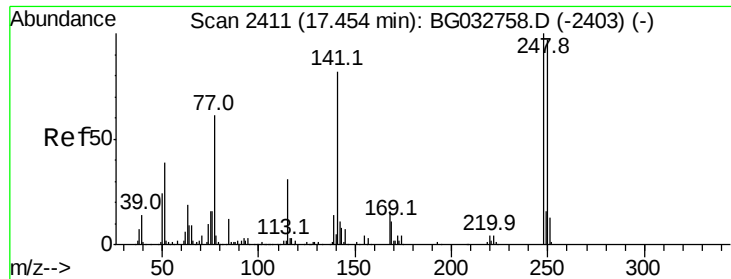
Tot Ion:188 Resp: 322875
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 8.6 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.780 ng
RT: 16.98 min Scan# 2330
Delta R.T. 0.37 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Tgt Ion:198 Resp: 632
Ion Ratio Lower Upper
198 100
51 225.1 30.6 70.6#
105 138.1 23.8 63.8#

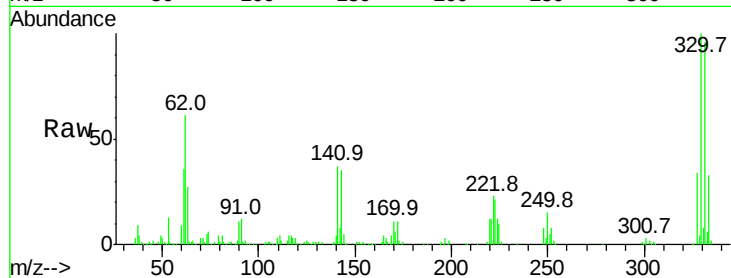




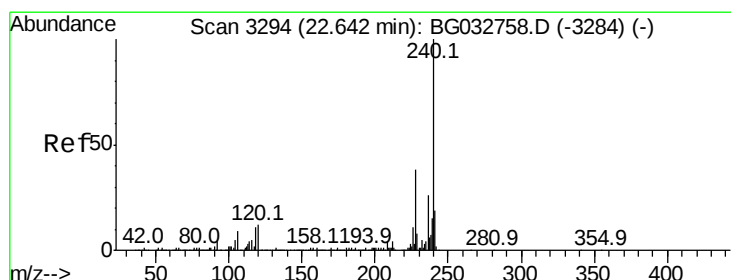
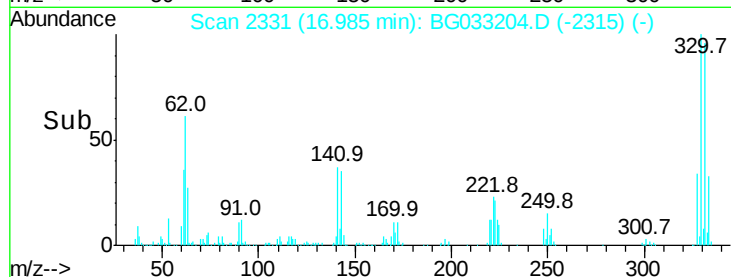
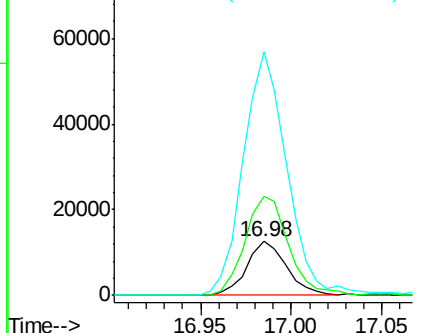
#66
4-Bromophenyl-phenylether
Concen: 5.649 ng
RT: 16.98 min Scan# 2331
Delta R.T. -0.44 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Instrument :
BNA_G
ClientSampleId :
4514-16

Tot Ion:248 Resp: 19287
Ion Ratio Lower Upper
248 100
250 183.9 77.1 115.7#
141 450.1 50.8 76.2#

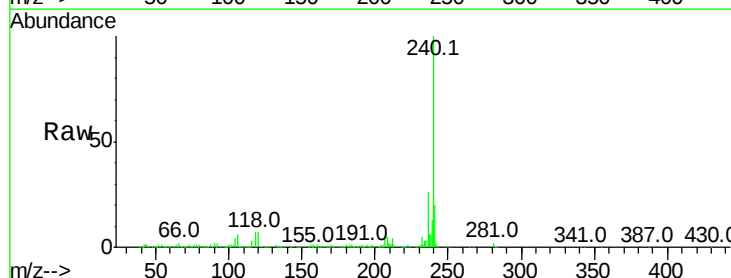


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

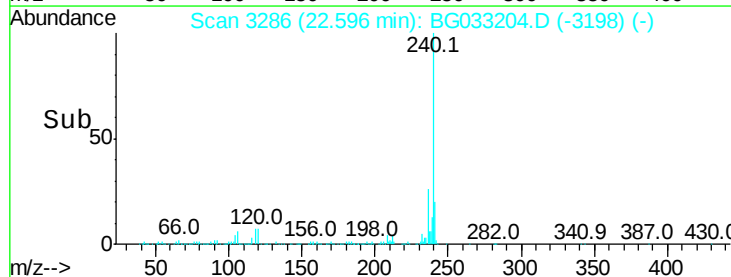
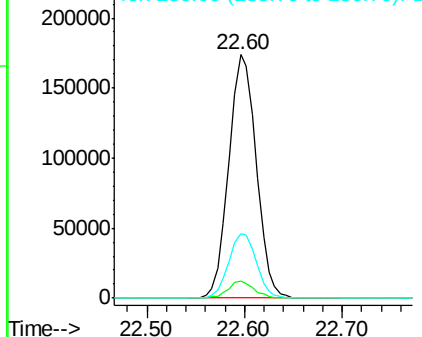


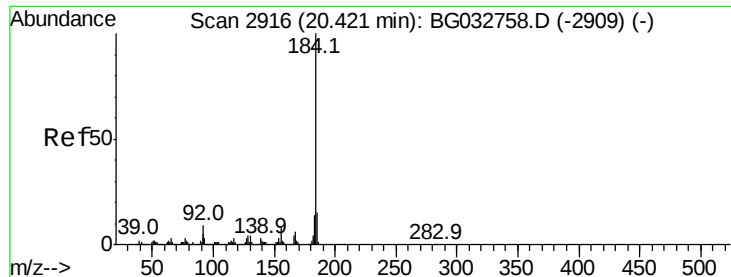
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3286
Delta R.T. -0.01 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Tgt Ion:240 Resp: 341050
Ion Ratio Lower Upper
240 100
120 7.1 6.8 10.2
236 26.3 20.9 31.3



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





#76

Benzidine

Concen: 2.260 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

Instrument :

BNA_G

ClientSampleId :

4514-16

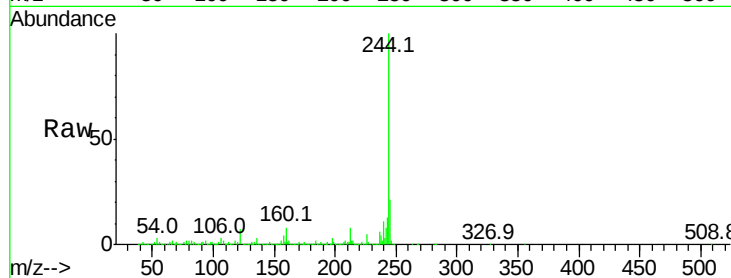
Tot Ion:184 Resp: 26276

Ion Ratio Lower Upper

184 100

185 20.5 11.1 16.7#

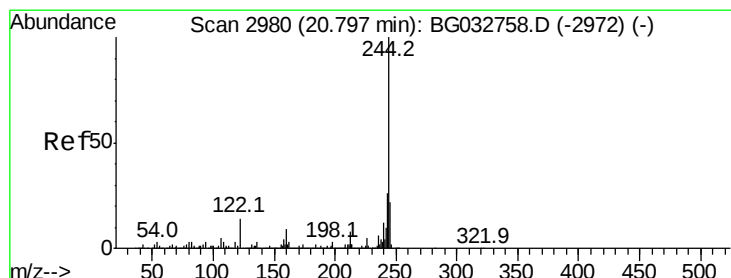
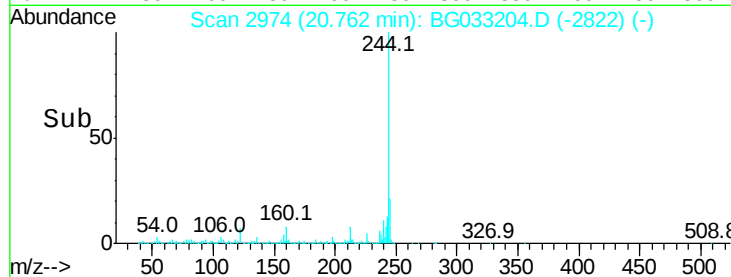
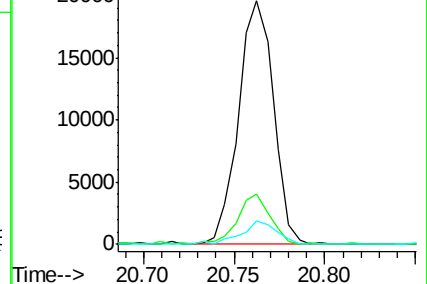
183 9.5 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 103.264 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033204.D

Acq: 16 Mar 2018 18:01

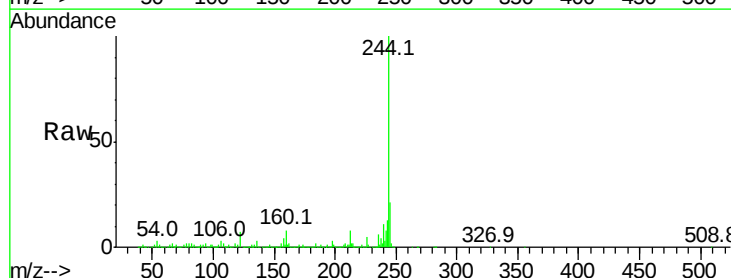
Tgt Ion:244 Resp: 1567528

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

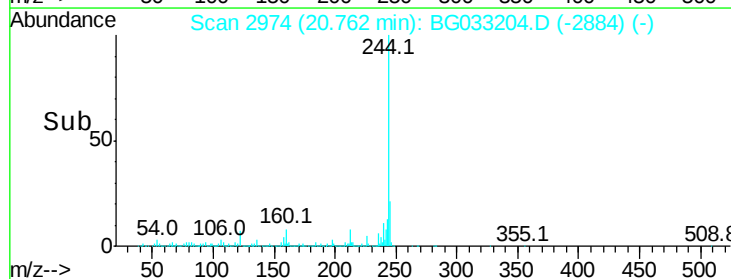
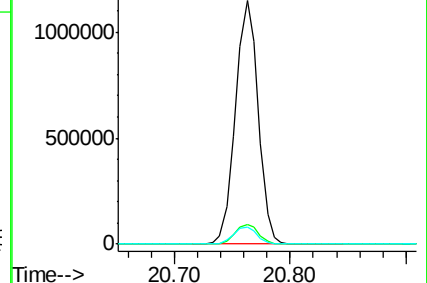
122 7.1 7.0 10.4

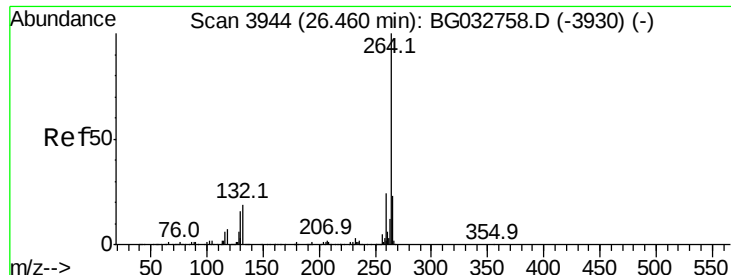


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

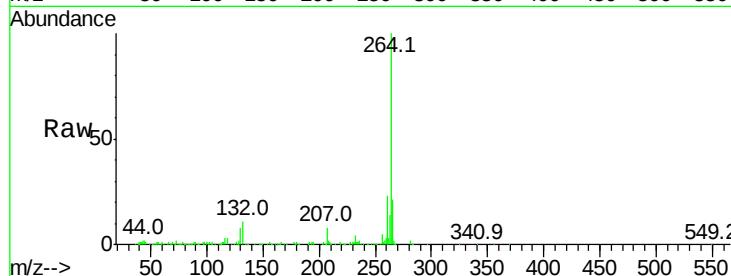




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3933
Delta R.T. -0.01 min
Lab File: BG033204.D
Acq: 16 Mar 2018 18:01

Instrument :
BNA_G
ClientSampleId :
4514-16

Tot Ion:264 Resp: 366040
Ion Ratio Lower Upper
264 100
260 22.8 17.4 26.0
265 21.0 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

