

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032680.D
 Acq On : 14 Feb 2018 6:22
 Operator : SJ/JU
 Sample : J1526-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 07:00:16 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	26738	20.00	ng	0.00
21) Naphthalene-d8	11.55	136	116887	20.00	ng	0.00
38) Acenaphthene-d10	15.31	164	87178	20.00	ng	0.00
63) Phenanthrene-d10	18.05	188	242796	20.00	ng	0.00
75) Chrysene-d12	22.37	240	334078	20.00	ng	0.00
86) Perylene-d12	26.02	264	331248	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.11	112	204640	153.56	ng	0.00
7) Phenol-d6	7.79	99	242630	133.15	ng	0.00
23) Nitrobenzene-d5	9.87	82	179564	97.63	ng	0.00
41) 2,4,6-Tribromophenol	16.79	330	189618	141.26	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	621026	89.08	ng	0.00
78) Terphenyl-d14	20.59	244	1507712	102.86	ng	0.00

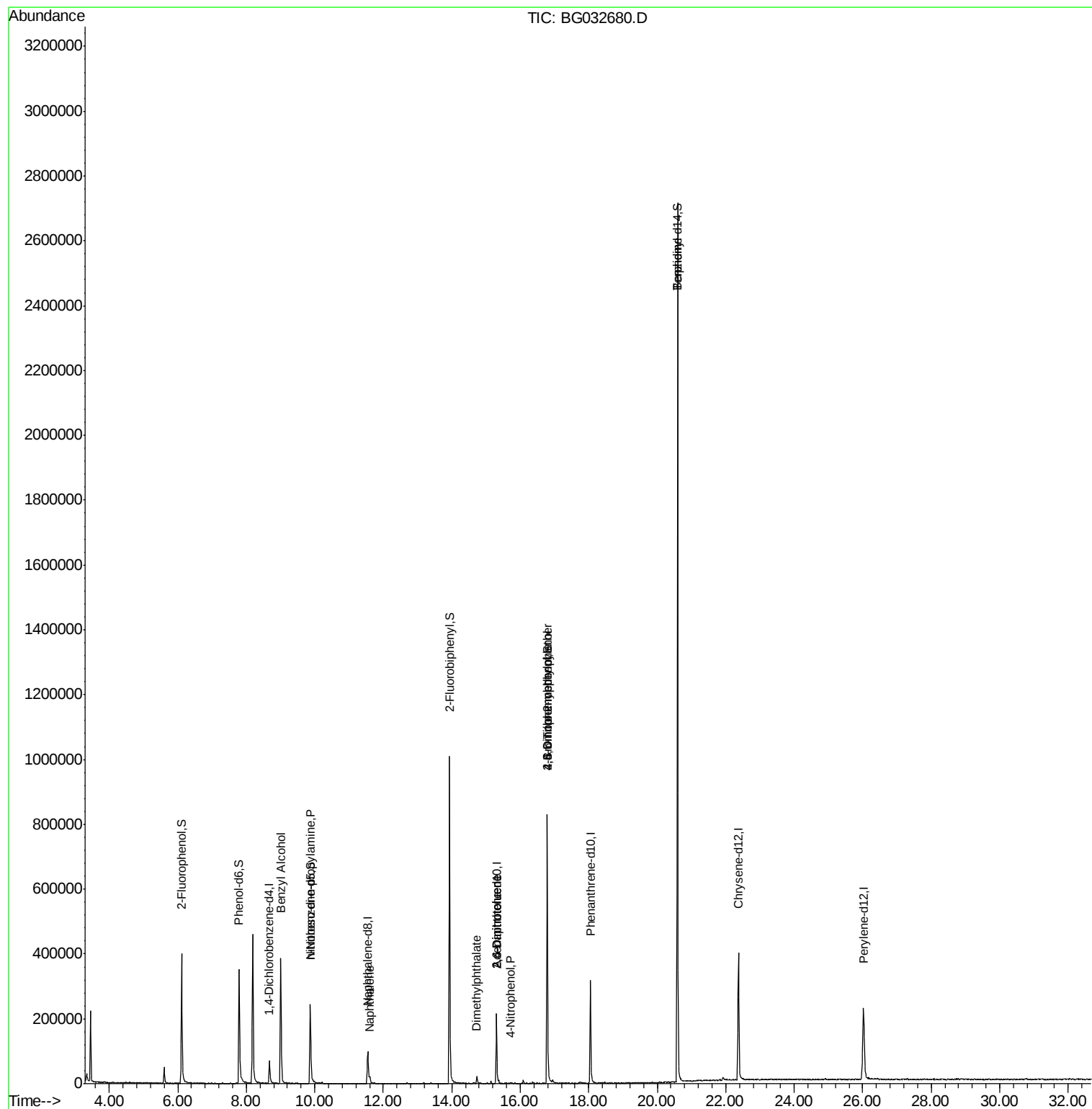
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.00	79	3619	2.65	ng	# 37
19) n-Nitroso-di-n-propylamine	9.87	70	24989	20.40	ng	# 75
31) Naphthalene	11.60	128	20205	3.56	ng	# 95
49) Dimethylphthalate	14.73	163	19287	2.56	ng	100
50) 2,6-Dinitrotoluene	15.30	165	11444	7.37	ng	# 18
55) 4-Nitrophenol	15.71	139	1179	6.57	ng	# 1
56) 2,4-Dinitrotoluene	15.30	165	11444	5.35	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.79	198	521	5.29	ng	# 1
66) 4-Bromophenyl-phenylether	16.79	248	16092	4.63	ng	# 1
76) Benzidine	20.59	184	22829	2.90	ng	# 94

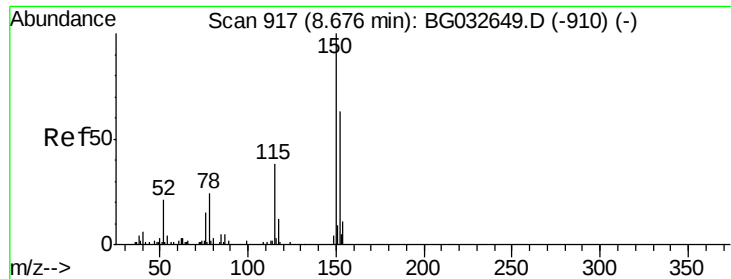
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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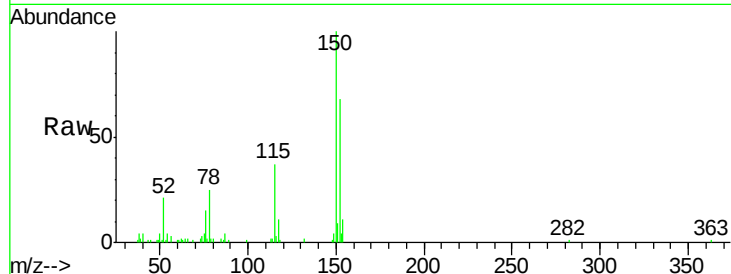


#1

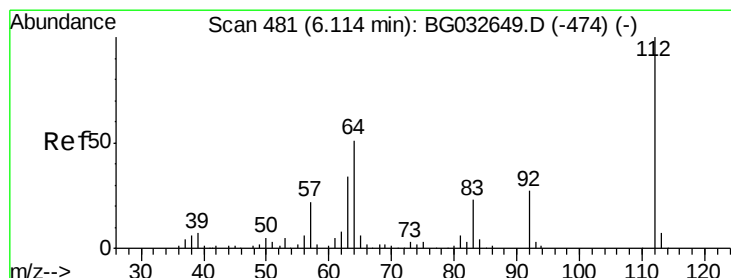
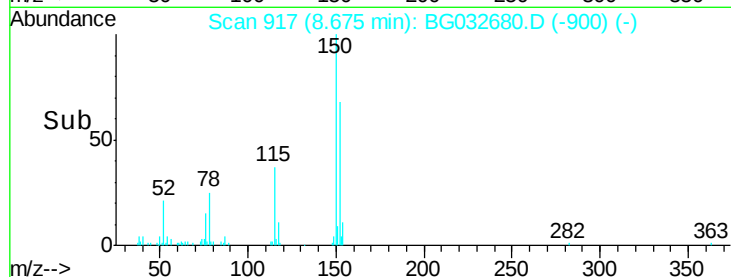
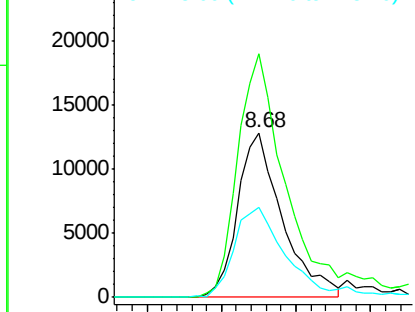
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 917
Delta R.T. -0.00 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26738
Ion Ratio Lower Upper
152 100
150 148.0 126.6 189.8
115 54.4 53.0 79.4



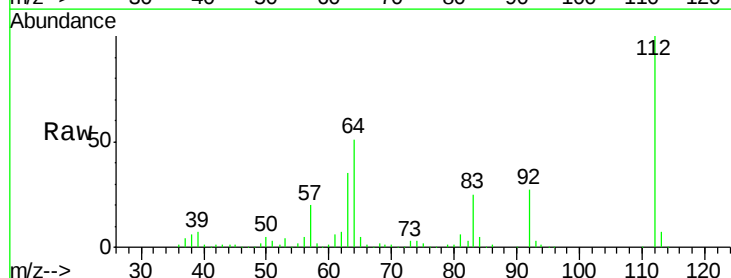
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



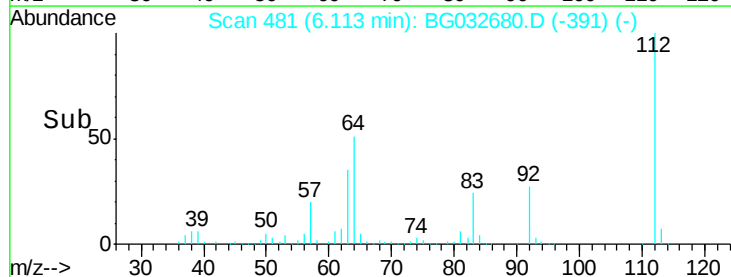
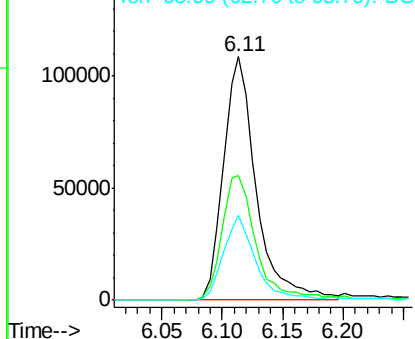
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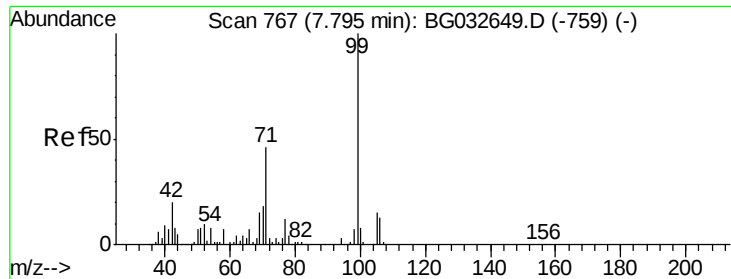
2-Fluorophenol
Concen: 153.56 ng
RT: 6.11 min Scan# 481
Delta R.T. -0.00 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

Tgt Ion:112 Resp: 204640
Ion Ratio Lower Upper
112 100
64 51.4 56.3 84.5#
63 34.8 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: 133.15 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.01 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

Instrument :

BNA_G

ClientSampled :

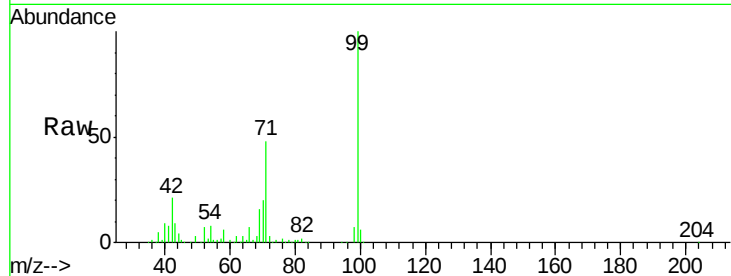
Tot Ion: 99 Resp: 242630

Ion Ratio Lower Upper

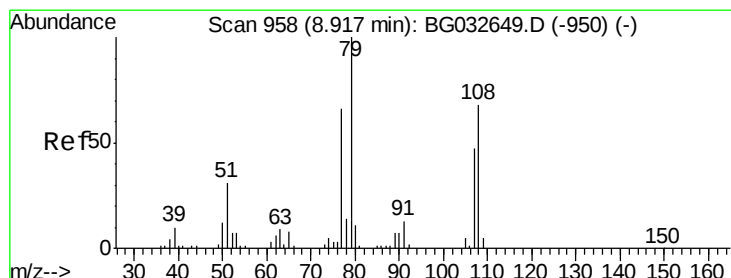
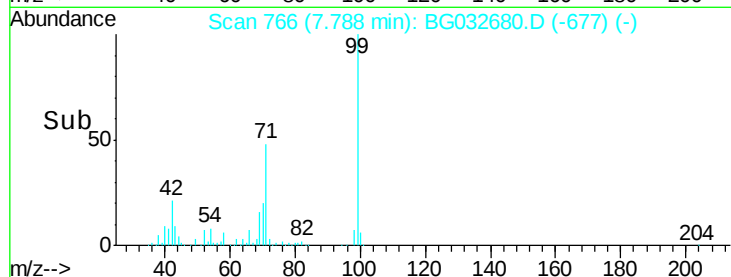
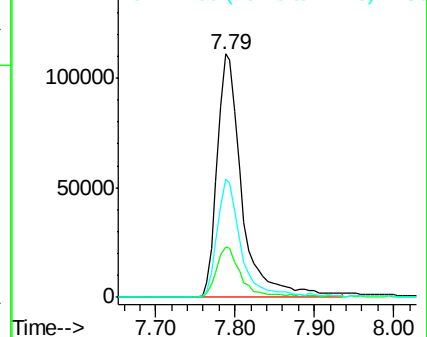
99 100

42 20.7 14.1 21.1

71 48.4 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: 2.65 ng

RT: 9.00 min Scan# 973

Delta R.T. 0.09 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

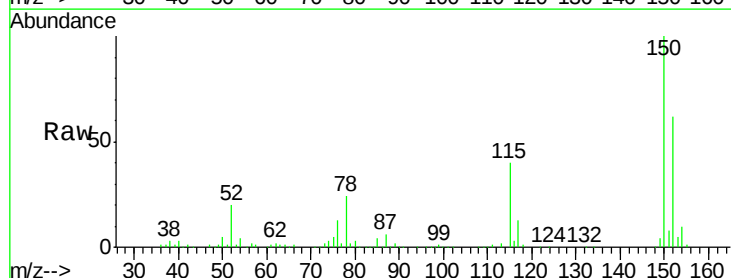
Tgt Ion: 79 Resp: 3619

Ion Ratio Lower Upper

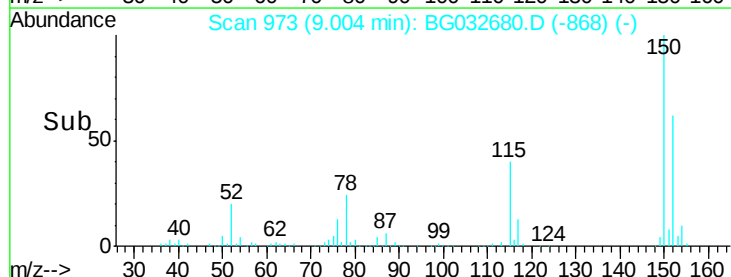
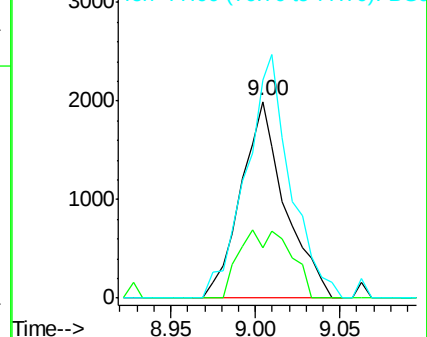
79 100

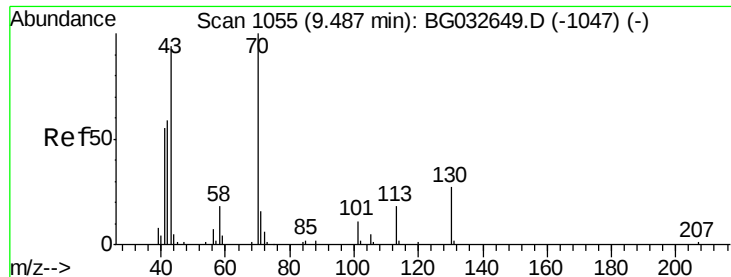
108 25.6 57.2 85.8#

77 110.7 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

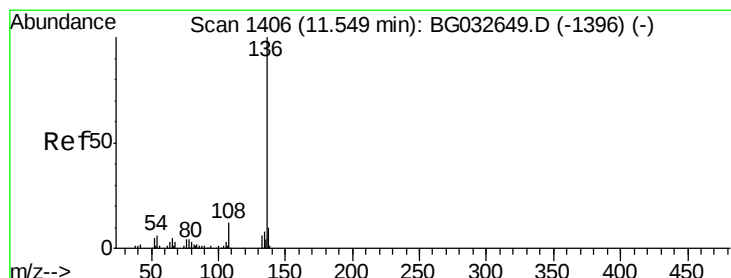
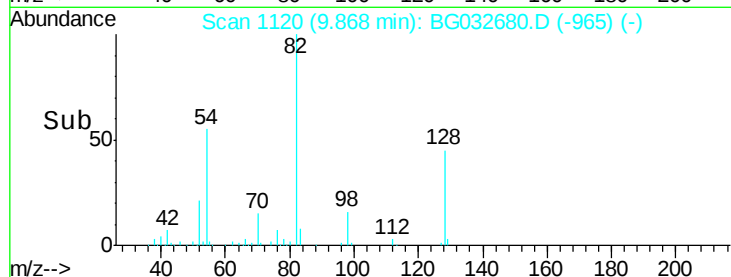
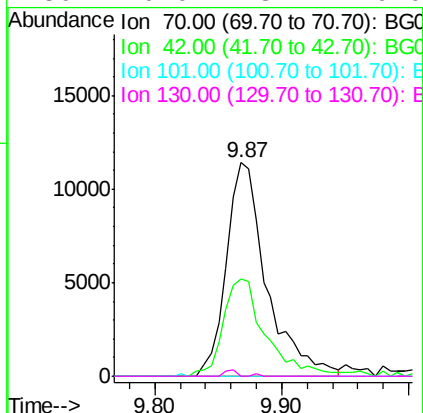
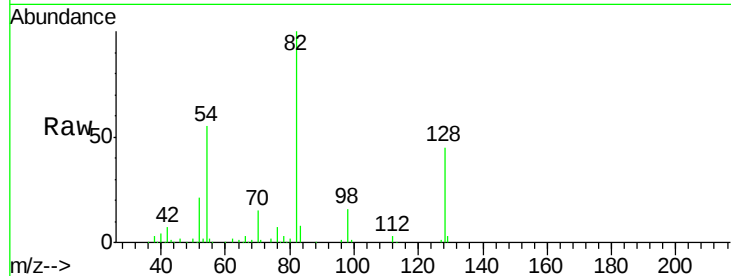




#19
n-Nitroso-di-n-propylamine
Concen: 20.40 ng
RT: 9.87 min Scan# 1120
Delta R.T. 0.38 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

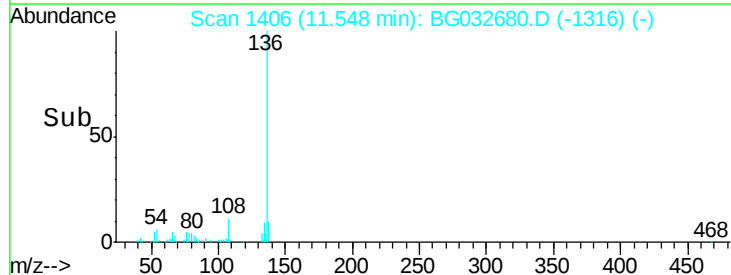
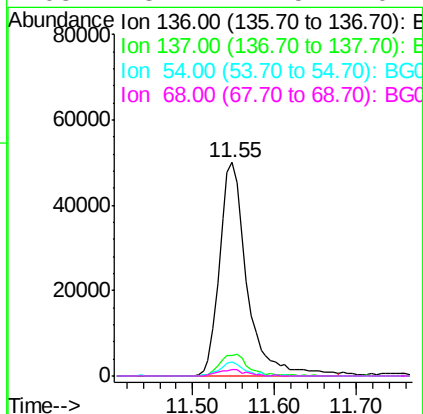
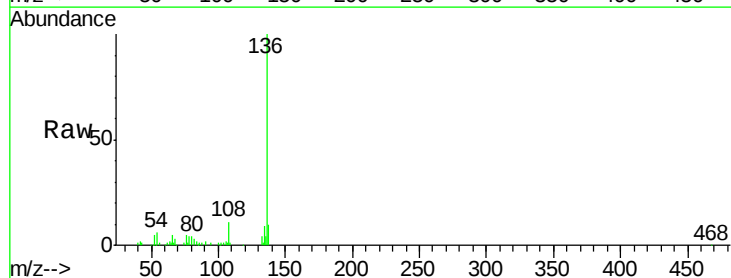
Instrument :
BNA_G
ClientSampleId :

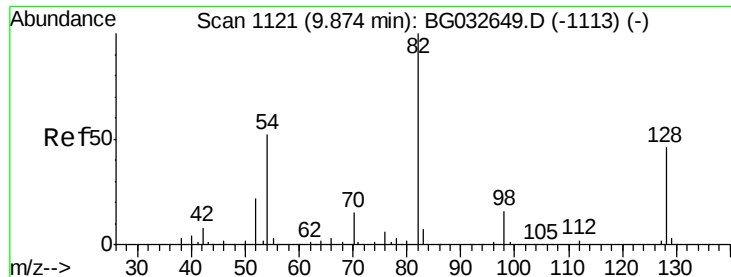
Tot Ion: 70 Resp: 24989
Ion Ratio Lower Upper
70 100
42 45.6 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.55 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

Tgt Ion: 136 Resp: 116887
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 6.4 10.3 15.5#
68 3.4 4.5 6.7#

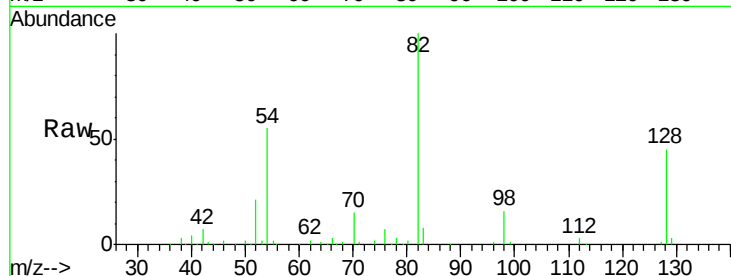




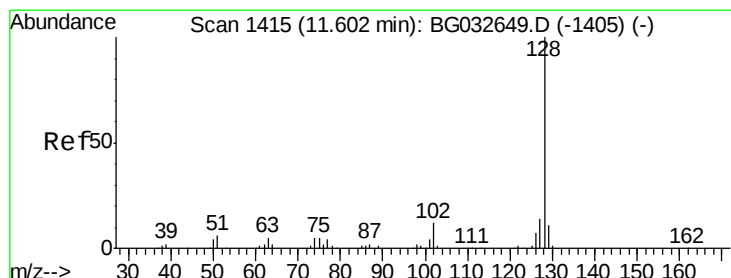
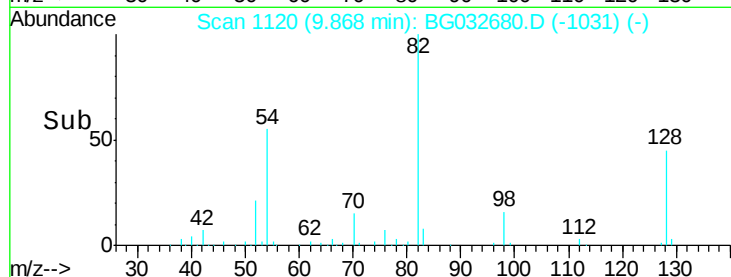
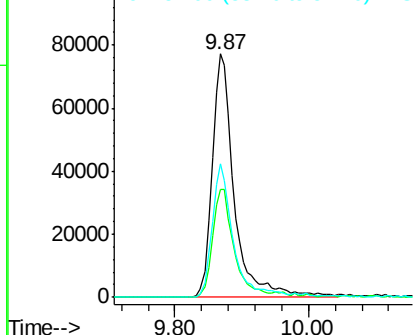
#23
Nitrobenzene-d5
Concen: 97.63 ng
RT: 9.87 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 179564
Ion Ratio Lower Upper
82 100
128 44.6 29.7 44.5#
54 54.8 43.1 64.7

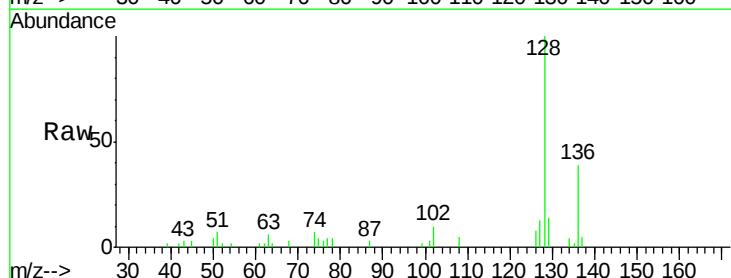


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

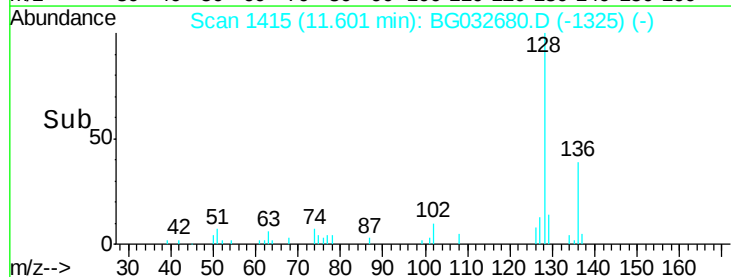
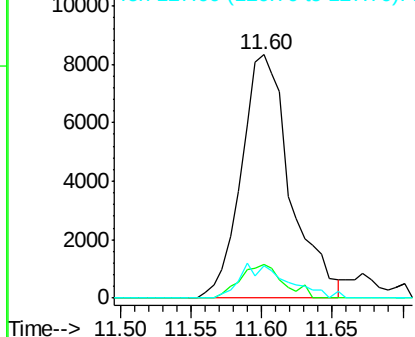


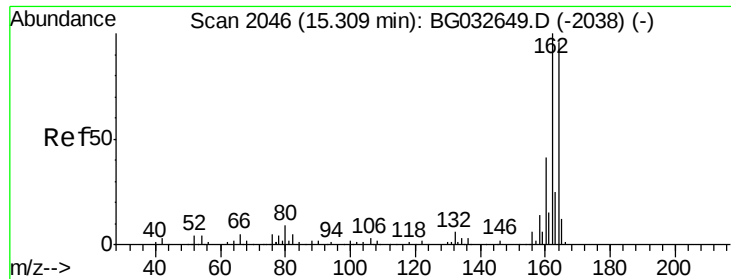
#31
Naphthalene
Concen: 3.56 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

Tgt Ion: 128 Resp: 20205
Ion Ratio Lower Upper
128 100
129 14.1 8.6 12.8#
127 13.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.31 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

Instrument :

BNA_G

ClientSampleId :

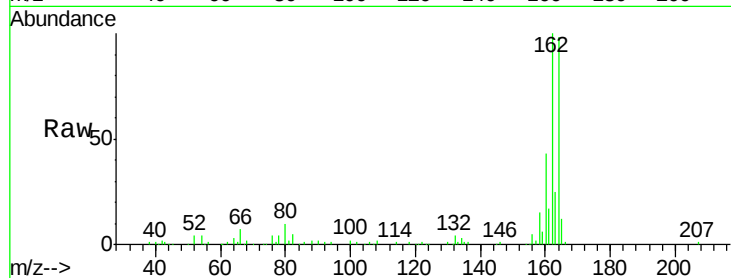
Tot Ion:164 Resp: 87178

Ion Ratio Lower Upper

164 100

162 102.3 78.8 118.2

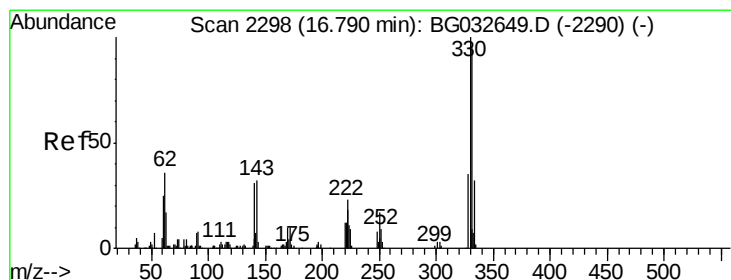
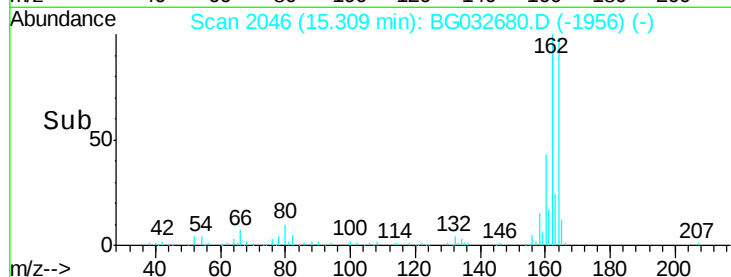
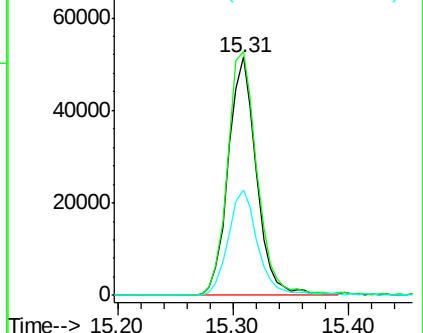
160 44.4 35.4 53.0



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: 141.26 ng

RT: 16.79 min Scan# 2298

Delta R.T. -0.00 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

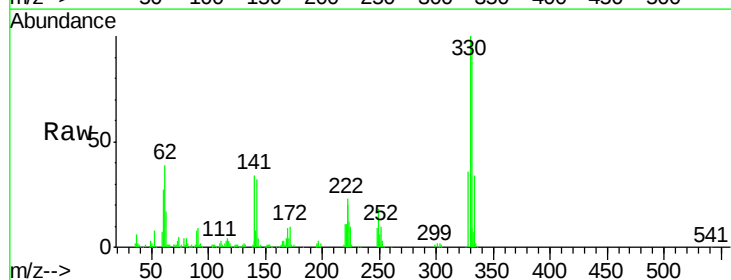
Tgt Ion:330 Resp: 189618

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

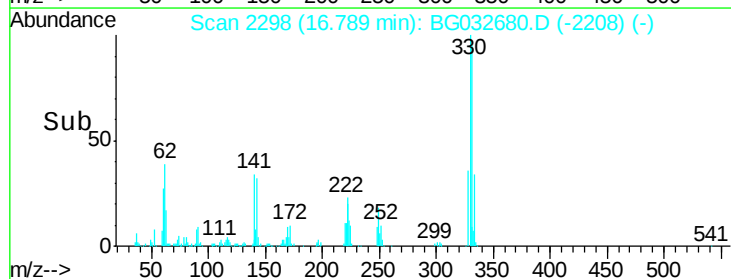
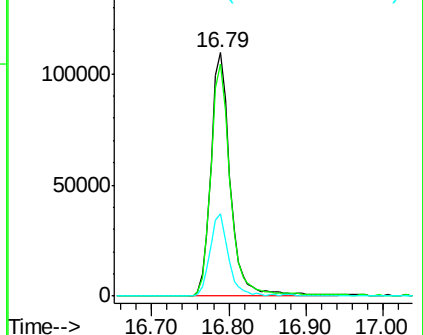
141 31.8 25.2 37.8

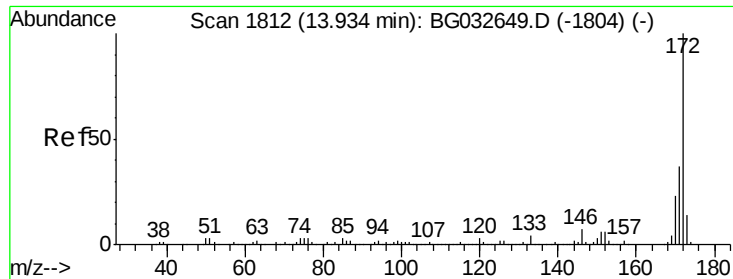


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

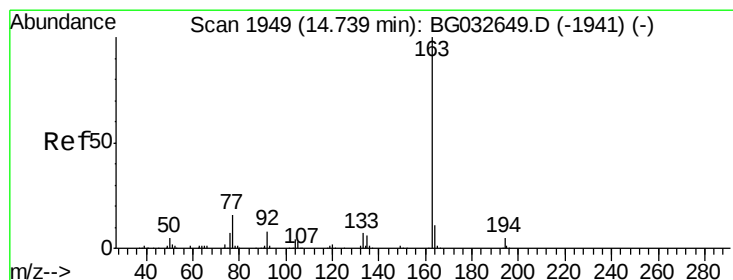
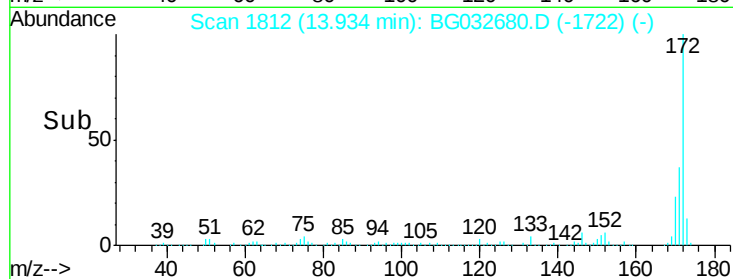
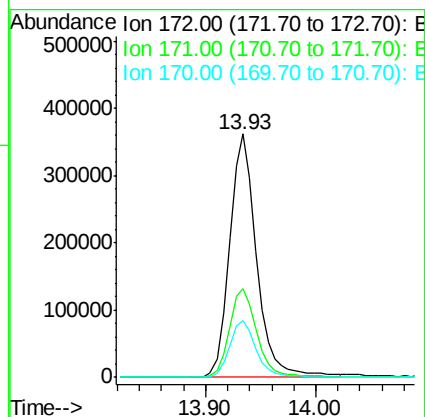
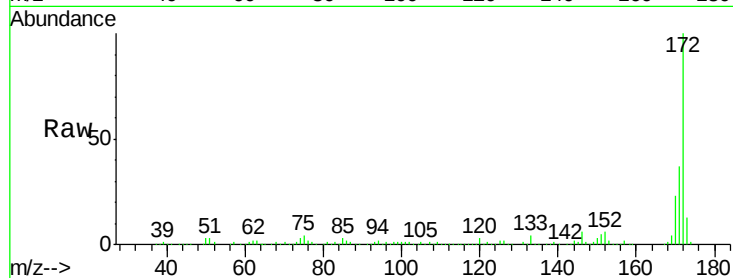




#44
2-Fluorobiphenyl
Concen: 89.08 ng
RT: 13.93 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

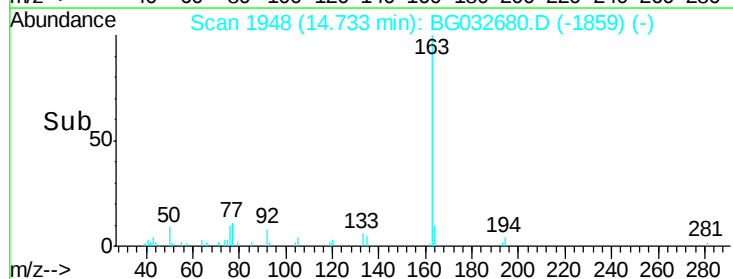
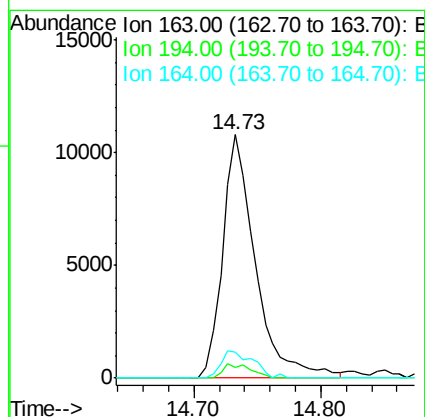
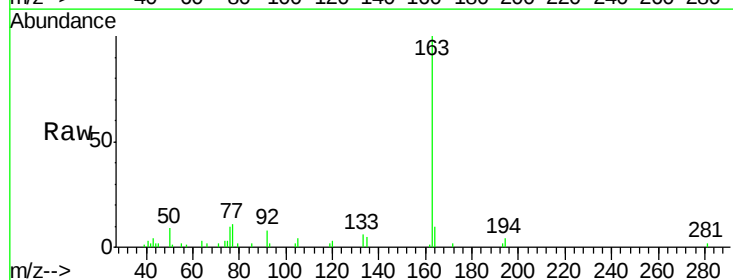
Instrument :
BNA_G
ClientSampleId :

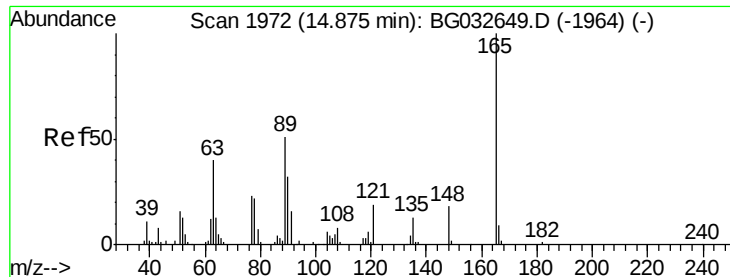
Tot Ion:172 Resp: 621026
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 23.1 19.5 29.3



#49
Dimethylphthalate
Concen: 2.56 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

Tgt Ion:163 Resp: 19287
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.4 8.2 12.4

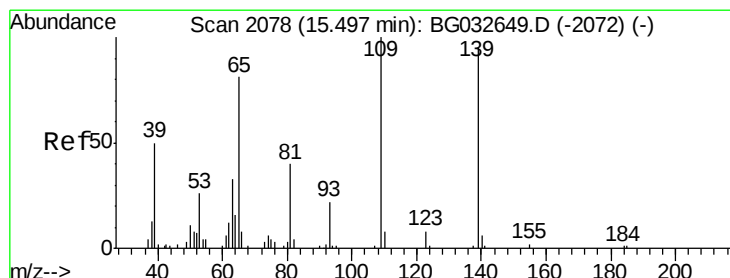
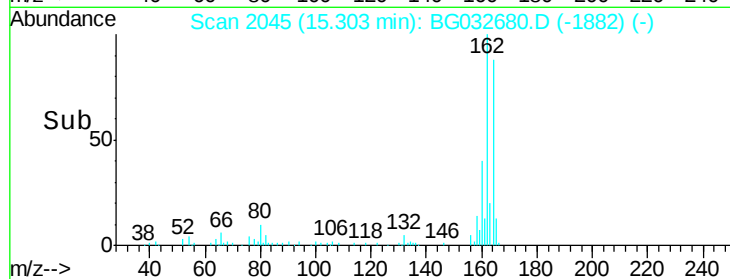
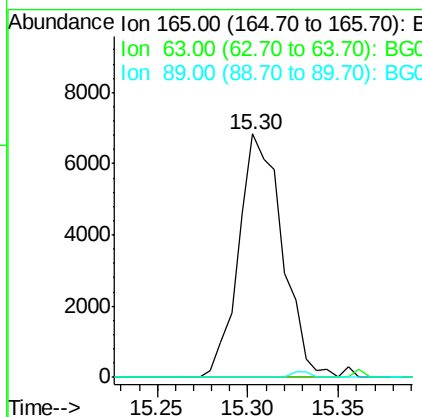
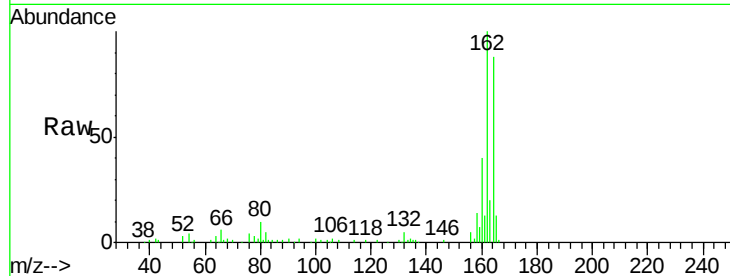




#50
 2,6-Dinitrotoluene
 Concen: 7.37 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032680.D
 Acq: 14 Feb 2018 6:22

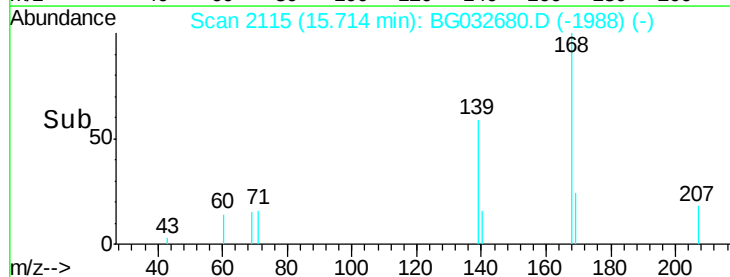
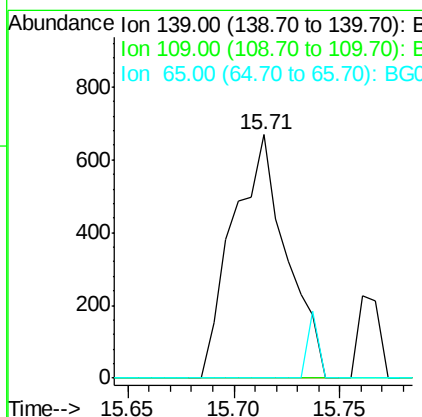
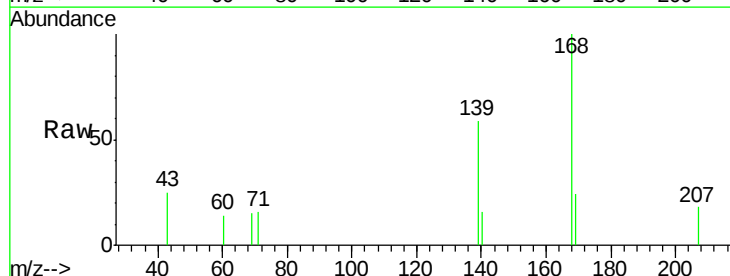
Instrument :
 BNA_G
 ClientSampleId :

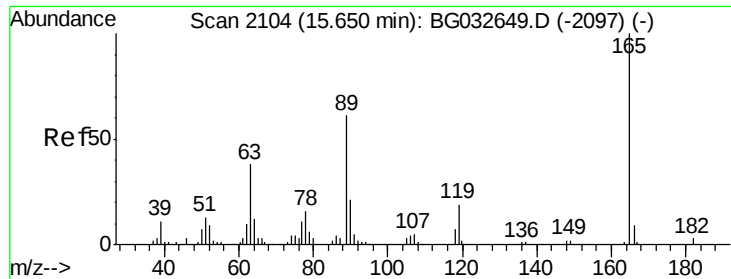
Tot Ion:165 Resp: 11444
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#55
 4-Nitrophenol
 Concen: 6.57 ng
 RT: 15.71 min Scan# 2115
 Delta R.T. 0.22 min
 Lab File: BG032680.D
 Acq: 14 Feb 2018 6:22

Tgt Ion:139 Resp: 1179
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#

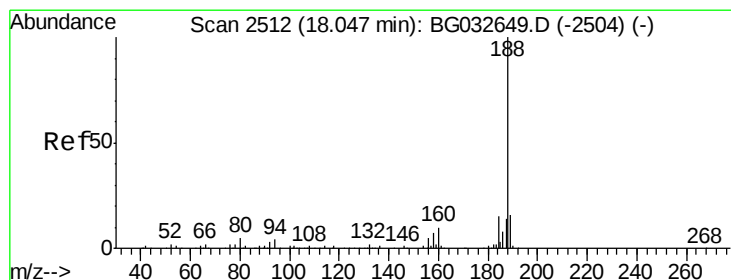
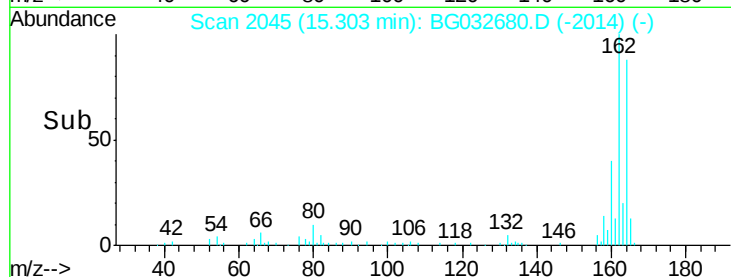
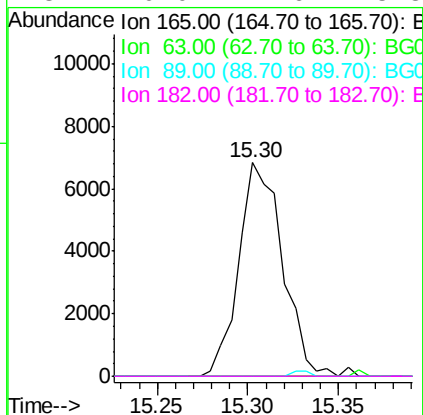
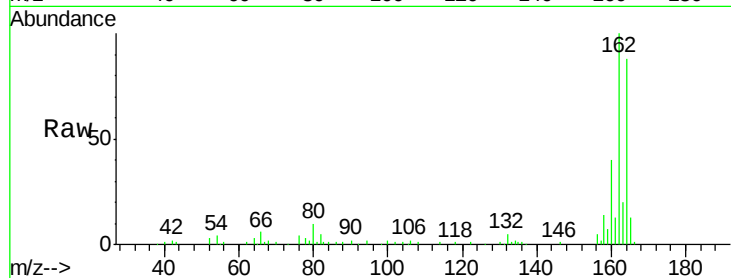




#56
2,4-Dinitrotoluene
Concen: 5.35 ng
RT: 15.30 min Scan# 2045
Delta R.T. -0.35 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

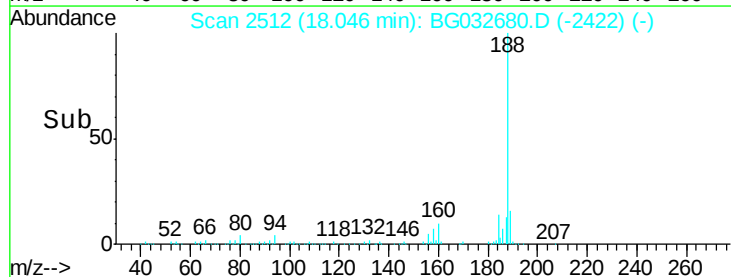
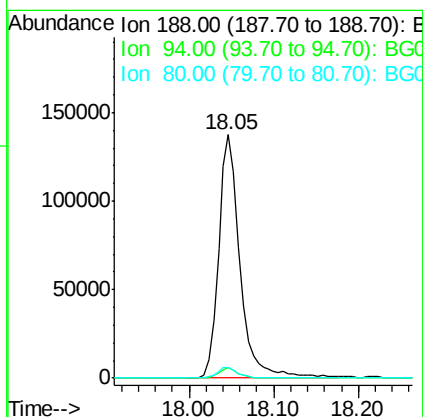
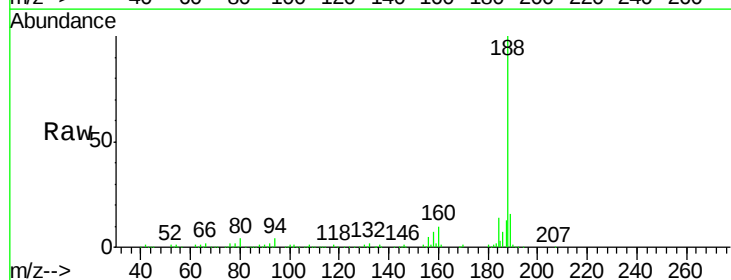
Instrument :
BNA_G
ClientSampled :

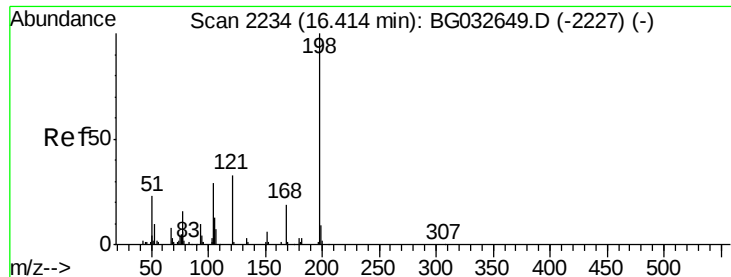
Tot Ion:165 Resp: 11444
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.05 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BG032680.D
Acq: 14 Feb 2018 6:22

Tgt Ion:188 Resp: 242796
Ion Ratio Lower Upper
188 100
94 4.2 6.9 10.3#
80 4.1 7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.29 ng

RT: 16.79 min Scan# 2298

Delta R.T. 0.38 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

Instrument :

BNA_G

ClientSampled :

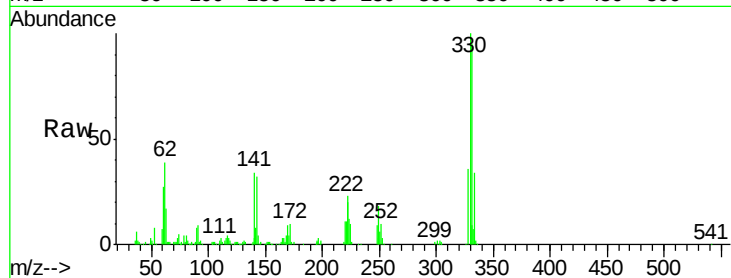
Tot Ion:198 Resp: 521

Ion Ratio Lower Upper

198 100

51 73.3 30.6 70.6#

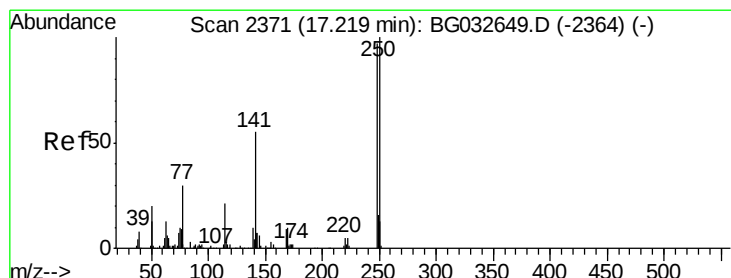
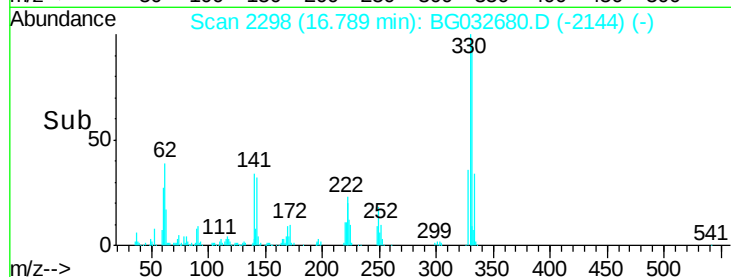
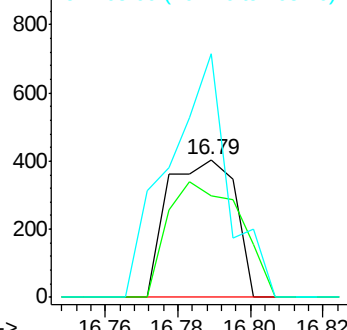
105 176.3 23.8 63.8#



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: 4.63 ng

RT: 16.79 min Scan# 2298

Delta R.T. -0.43 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

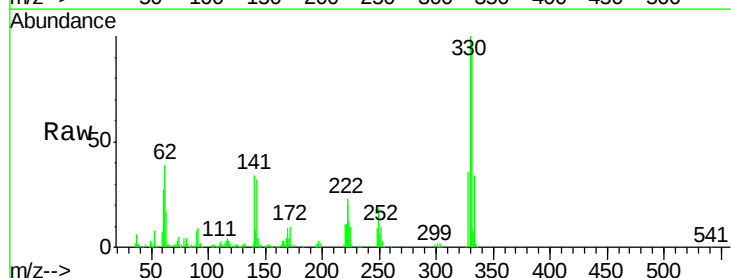
Tgt Ion:248 Resp: 16092

Ion Ratio Lower Upper

248 100

250 194.9 77.1 115.7#

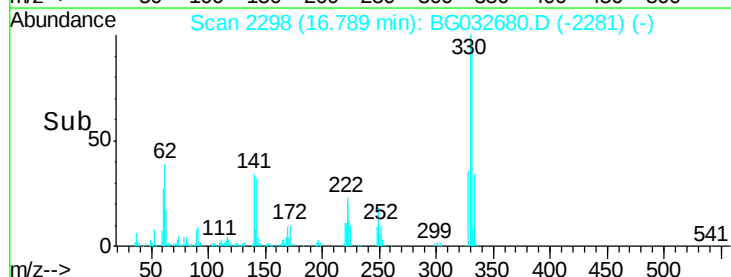
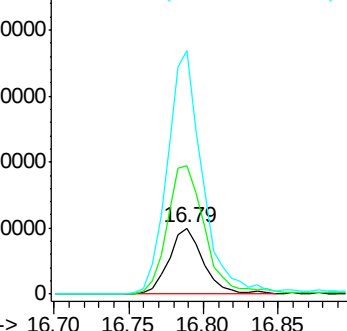
141 369.9 50.8 76.2#

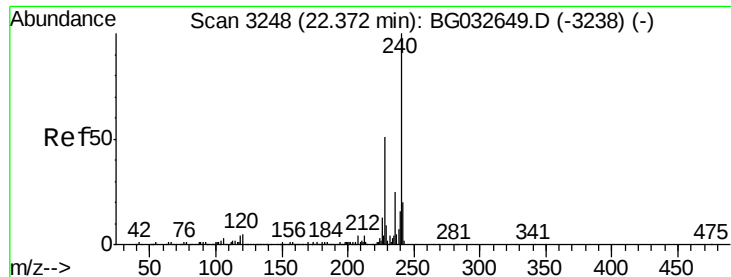


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.37 min Scan# 3248

Delta R.T. -0.00 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

Instrument :

BNA_G

ClientSampleId :

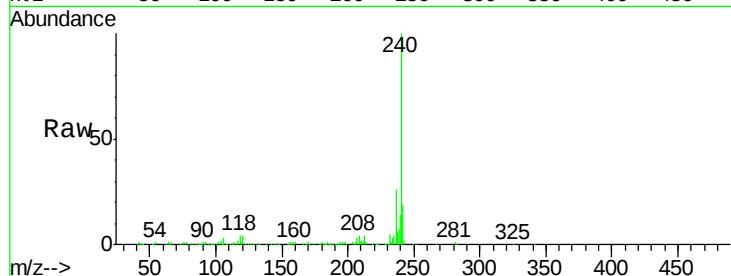
Tot Ion:240 Resp: 334078

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

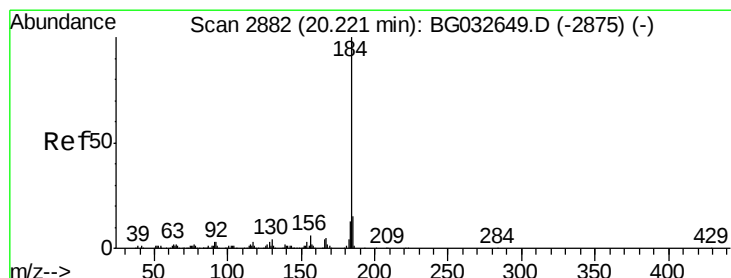
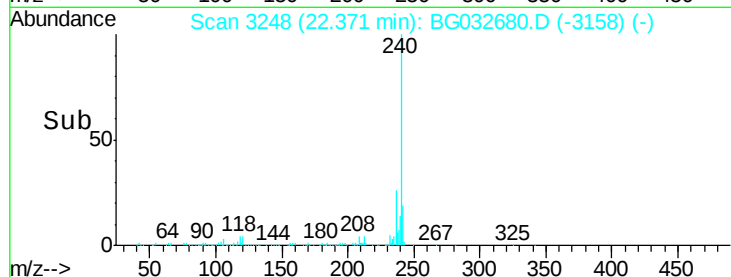
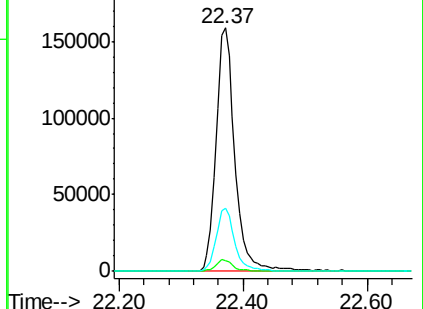
236 26.1 20.9 31.3



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: 2.90 ng

RT: 20.59 min Scan# 2945

Delta R.T. 0.37 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

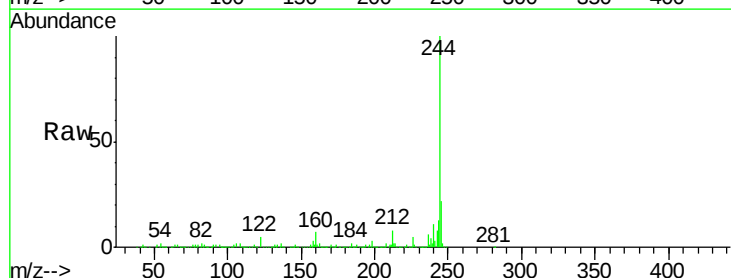
Tgt Ion:184 Resp: 22829

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

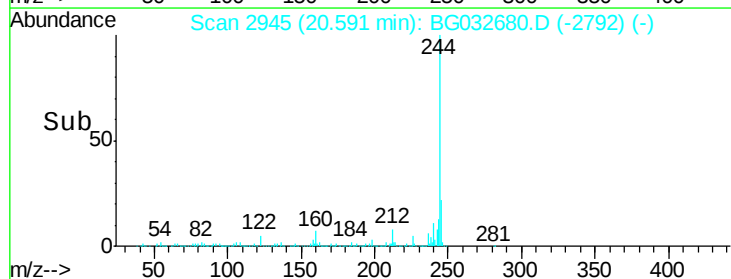
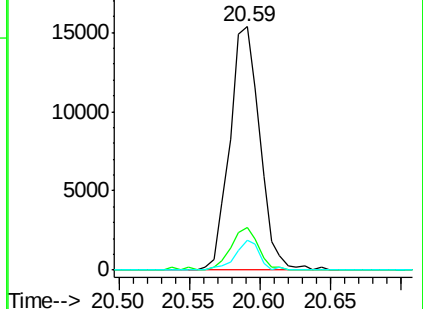
183 12.1 10.6 16.0

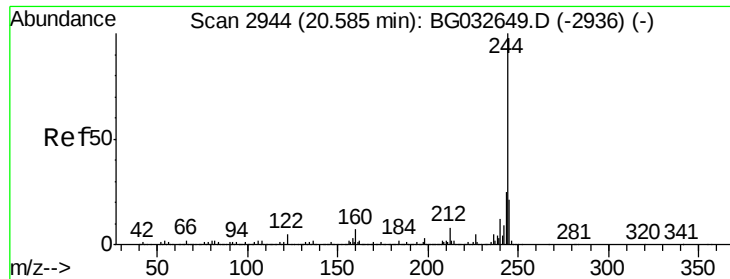


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.86 ng

RT: 20.59 min Scan# 2945

Delta R.T. 0.01 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

Instrument :

BNA_G

ClientSampleId :

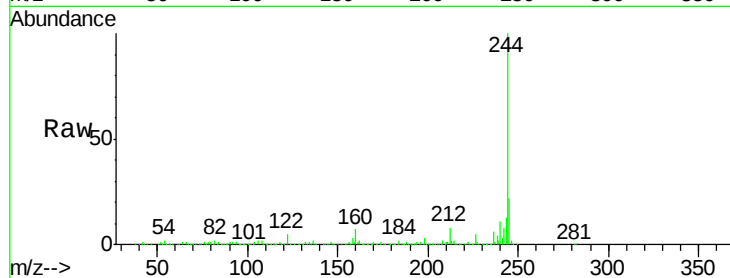
Tot Ion:244 Resp: 1507712

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

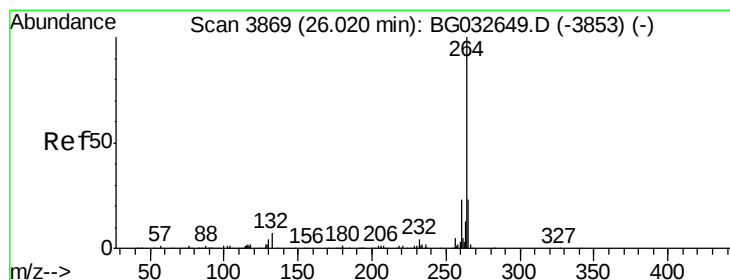
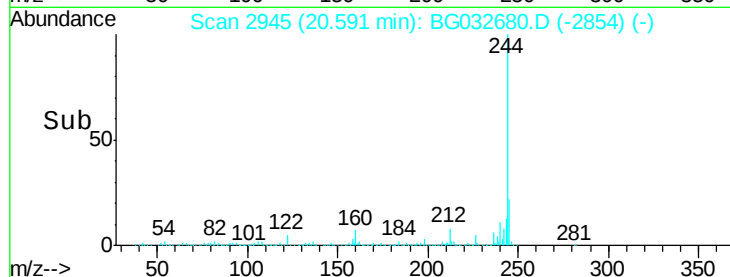
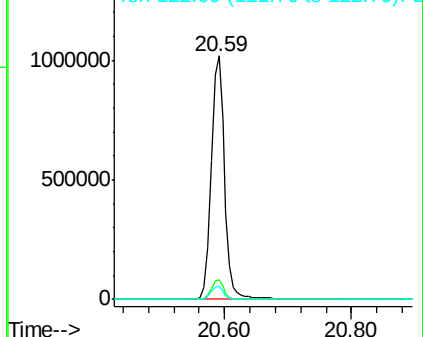
122 5.2 7.0 10.4#



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: 20.00 ng

RT: 26.02 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BG032680.D

Acq: 14 Feb 2018 6:22

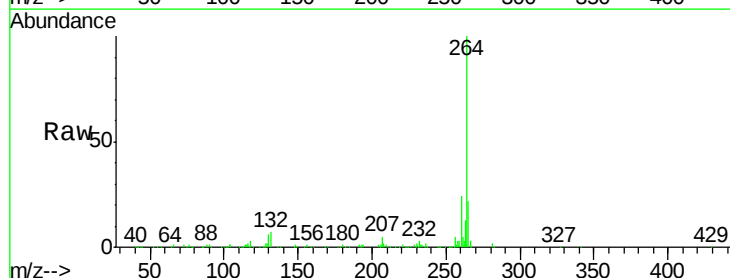
Tgt Ion:264 Resp: 331248

Ion Ratio Lower Upper

264 100

260 23.9 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

