

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032663.D
 Acq On : 13 Feb 2018 16:42
 Operator : SJ/JU
 Sample : J1520-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 17:31:49 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	8.67	152	36771	20.00	ng	0.00
21) Naphthalene-d8	11.54	136	140701	20.00	ng	0.00
38) Acenaphthene-d10	15.30	164	102042	20.00	ng	0.00
63) Phenanthrene-d10	18.04	188	273412	20.00	ng	0.00
75) Chrysene-d12	22.37	240	354269	20.00	ng	0.00
86) Perylene-d12	26.01	264	360551	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.11	112	252190	137.60	ng	0.00
7) Phenol-d6	7.79	99	277759	110.83	ng	0.00
23) Nitrobenzene-d5	9.87	82	226356	102.25	ng	0.00
41) 2,4,6-Tribromophenol	16.78	330	222258	141.45	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	753187	92.30	ng	0.00
78) Terphenyl-d14	20.59	244	1461685	94.04	ng	0.00

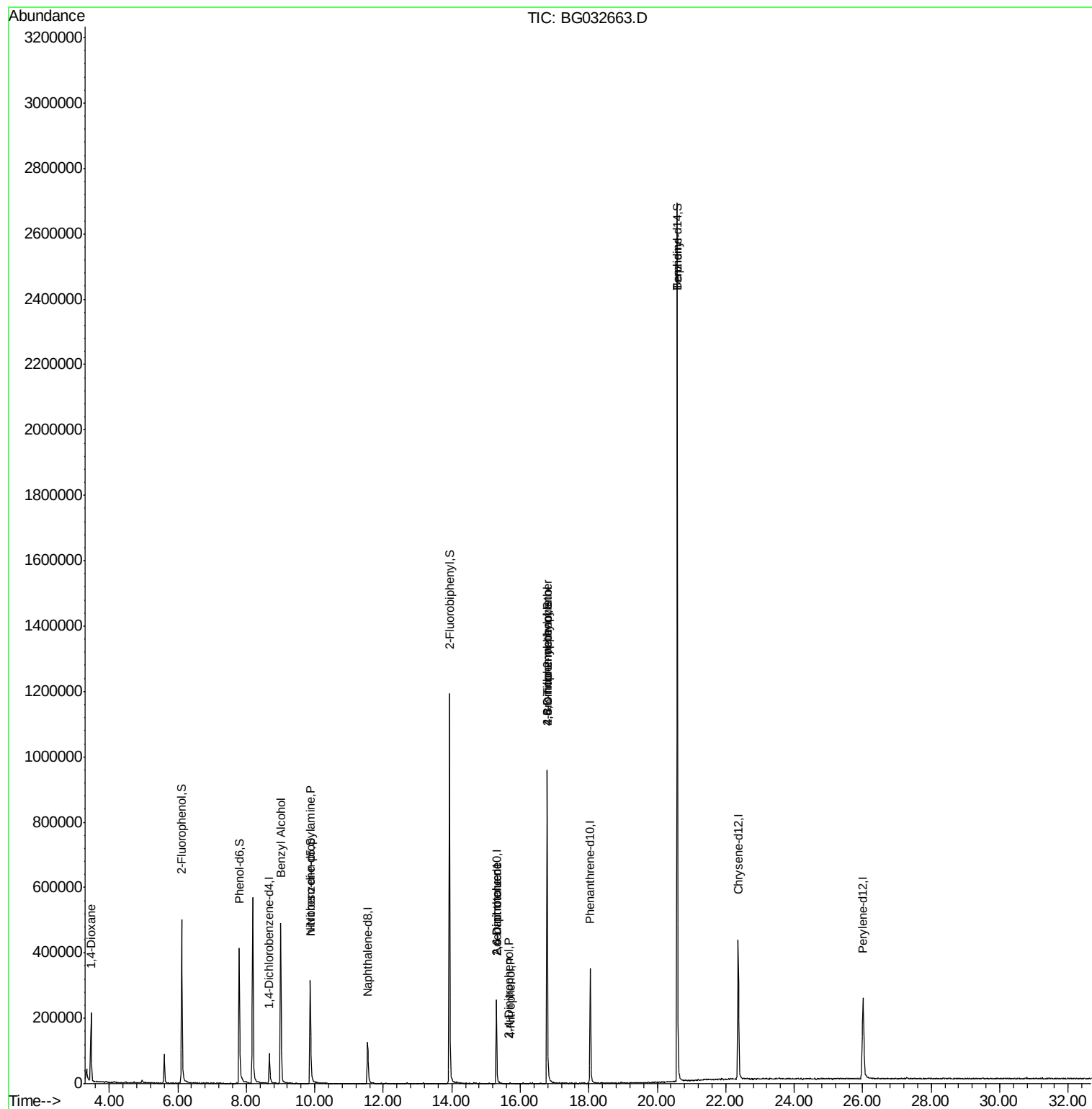
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	2888	3.767	ng	# 1
15) Benzyl Alcohol	9.01	79	4475	2.382	ng	# 71
19) n-Nitroso-di-n-propylamine	9.87	70	31892	18.930	ng	# 80
50) 2,6-Dinitrotoluene	15.30	165	12894	7.098	ng	# 20
53) 2,4-Dinitrophenol	15.67	184	75	11.527	ng	# 1
55) 4-Nitrophenol	15.71	139	383	5.785	ng	# 1
56) 2,4-Dinitrotoluene	15.30	165	12894	5.151	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.78	198	666	5.323	ng	# 44
66) 4-Bromophenyl-phenylether	16.78	248	19726	5.041	ng	# 1
76) Benzidine	20.59	184	22839	2.738	ng	# 90

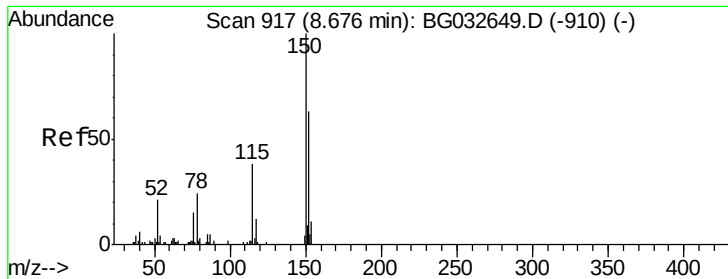
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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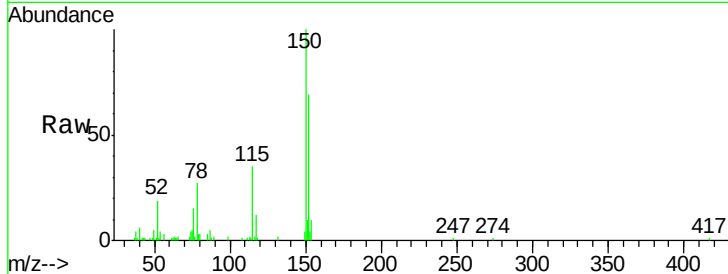


#1

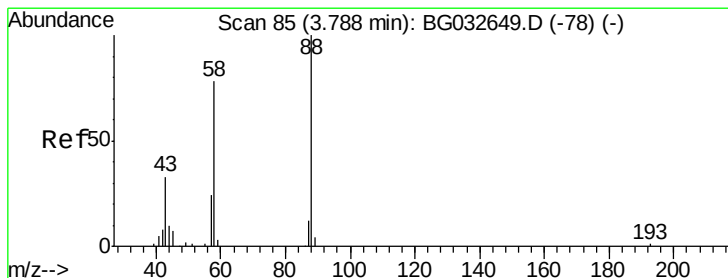
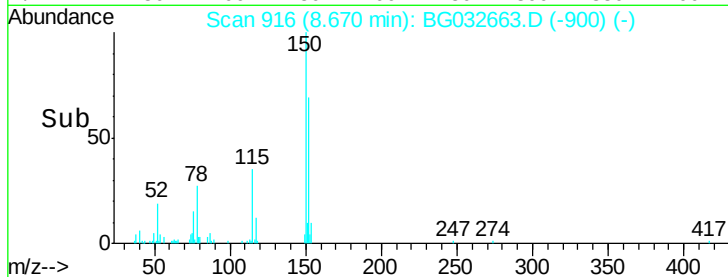
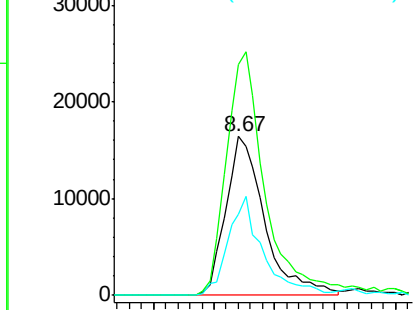
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.67 min Scan# 916
Delta R.T. -0.01 min
Lab File: BG032663.D
Acq: 13 Feb 2018 16:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36771
Ion Ratio Lower Upper
152 100
150 145.2 126.6 189.8
115 51.4 53.0 79.4#



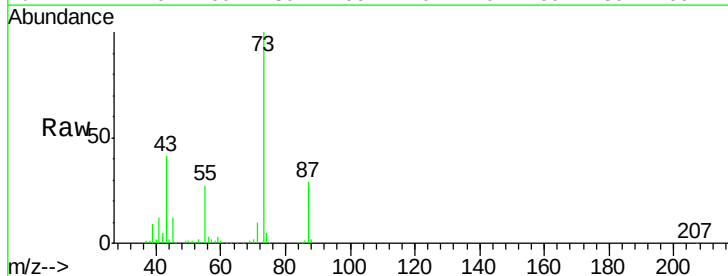
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



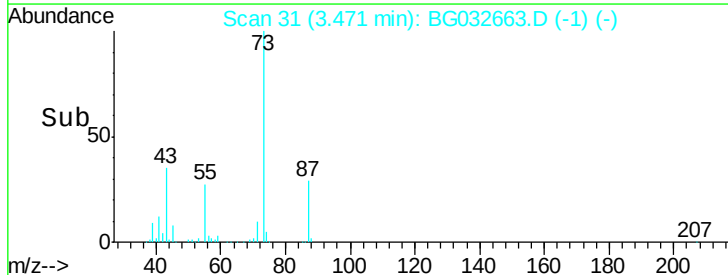
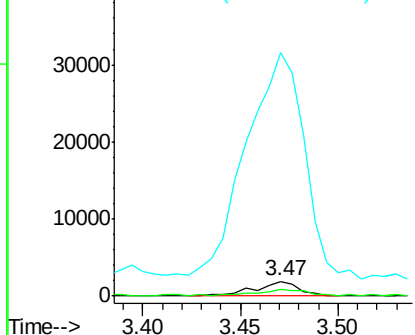
#2

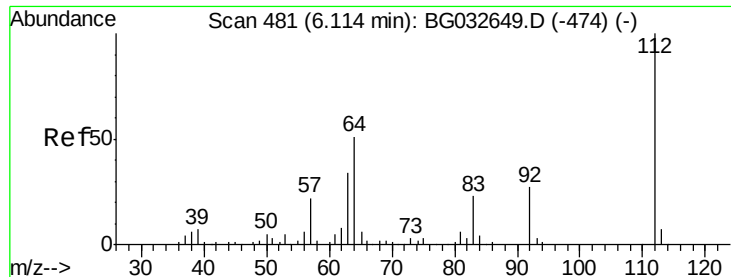
1,4-Dioxane
Concen: 3.767 ng
RT: 3.47 min Scan# 31
Delta R.T. -0.32 min
Lab File: BG032663.D
Acq: 13 Feb 2018 16:42

Tgt Ion: 88 Resp: 2888
Ion Ratio Lower Upper
88 100
58 55.0 79.6 119.4#
43 2041.4 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 137.603 ng

RT: 6.11 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

Instrument :

BNA_G

ClientSampleId :

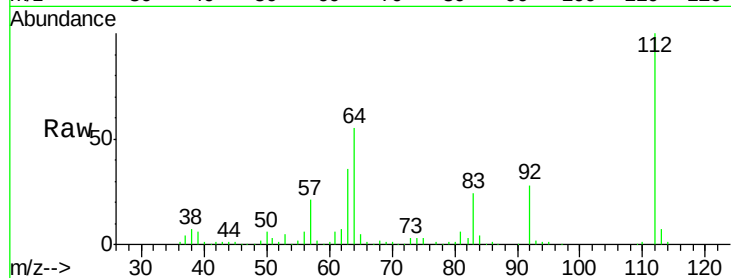
Tot Ion:112 Resp: 252190

Ion Ratio Lower Upper

112 100

64 54.7 56.3 84.5#

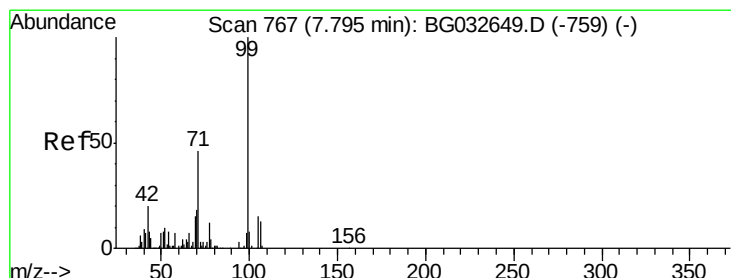
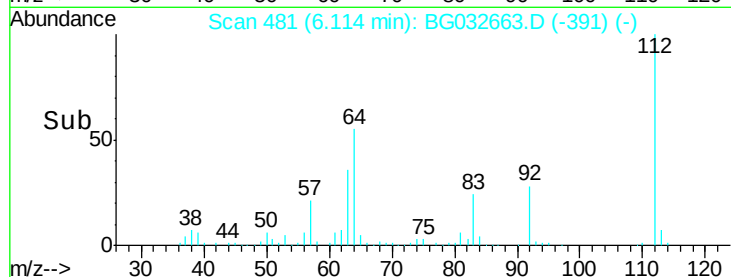
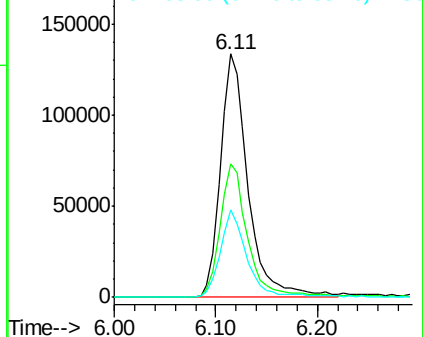
63 35.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 110.835 ng

RT: 7.79 min Scan# 767

Delta R.T. 0.00 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

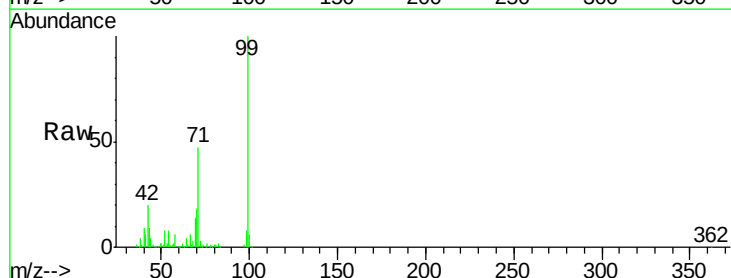
Tgt Ion: 99 Resp: 277759

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

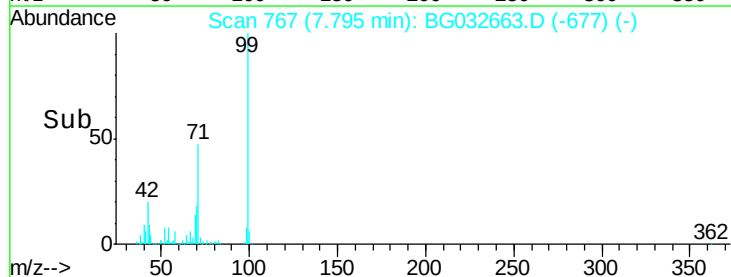
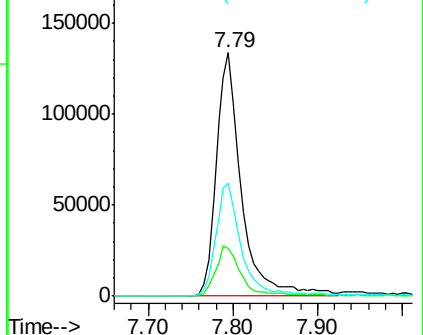
71 46.5 26.1 39.1#

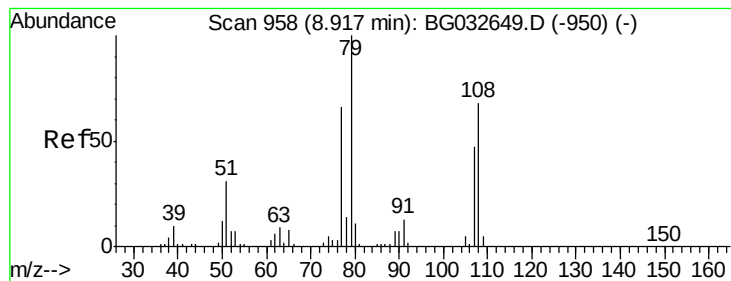


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.382 ng

RT: 9.01 min Scan# 973

Delta R.T. 0.09 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

Instrument :

BNA_G

ClientSampleId :

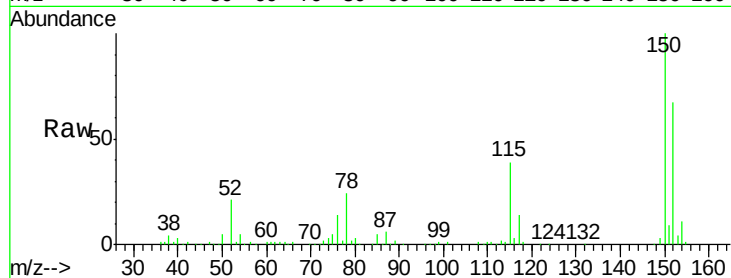
Tot Ion: 79 Resp: 4475

Ion Ratio Lower Upper

79 100

108 49.3 57.2 85.8#

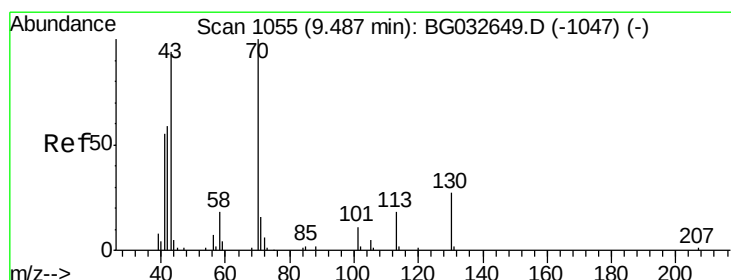
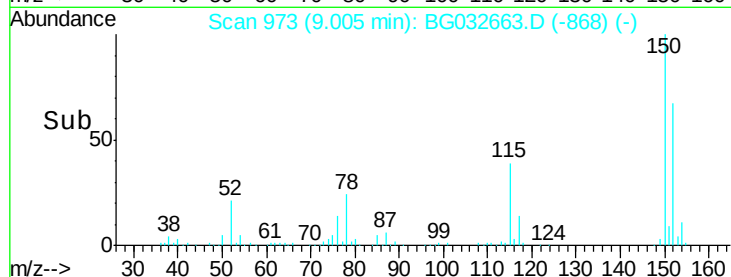
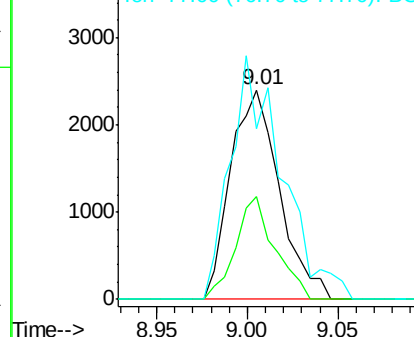
77 81.7 46.1 69.1#



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: 18.930 ng

RT: 9.87 min Scan# 1120

Delta R.T. 0.38 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

Tgt Ion: 70 Resp: 31892

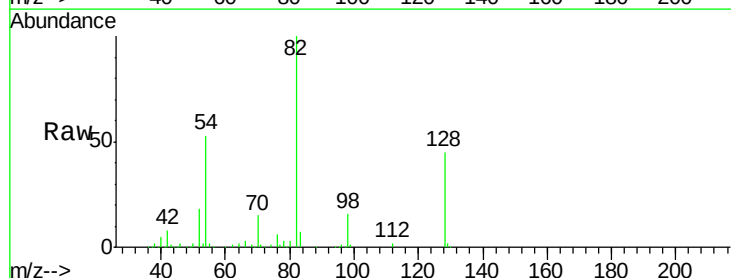
Ion Ratio Lower Upper

70 100

42 50.5 49.1 73.7

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

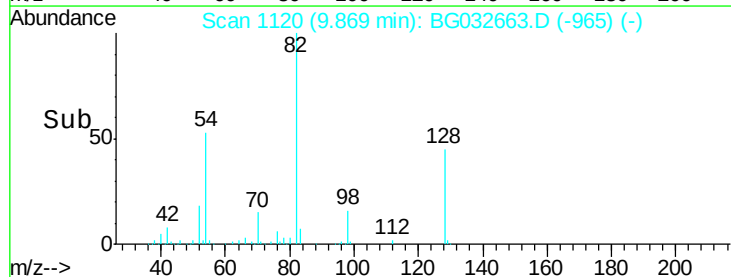
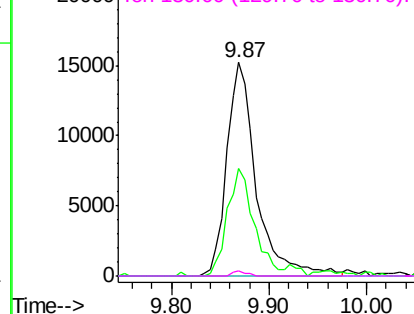


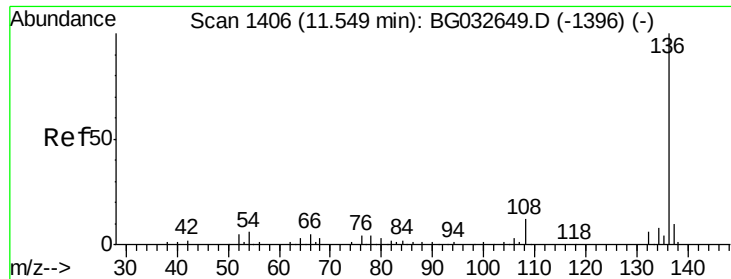
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

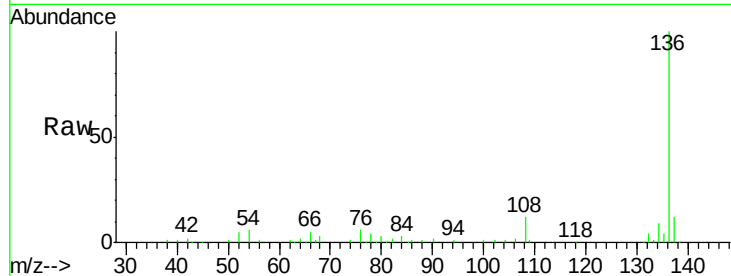




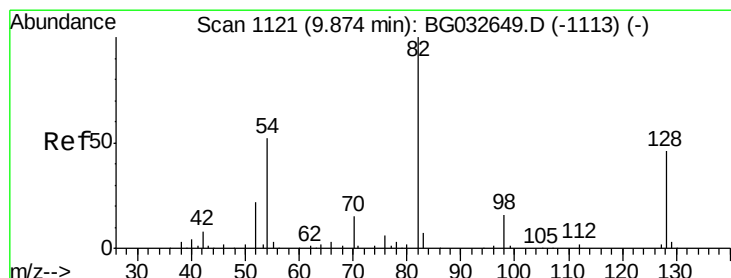
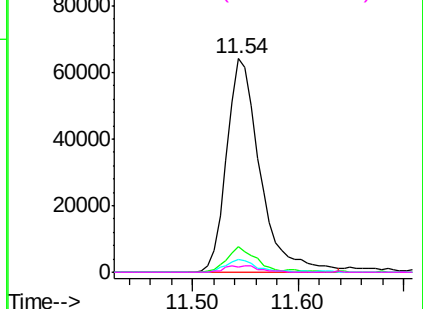
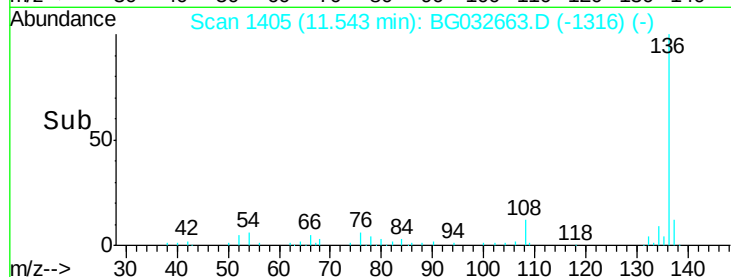
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.54 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG032663.D
Acq: 13 Feb 2018 16:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 140701
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 5.9 10.3 15.5#
68 2.5 4.5 6.7#

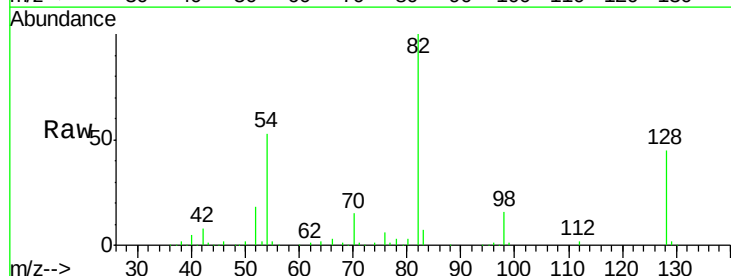


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

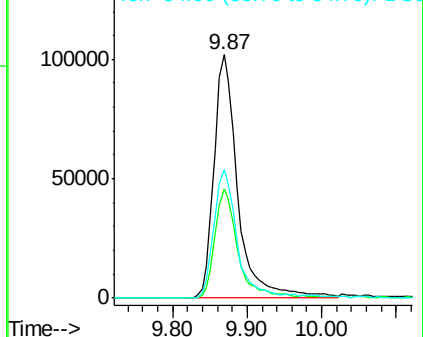
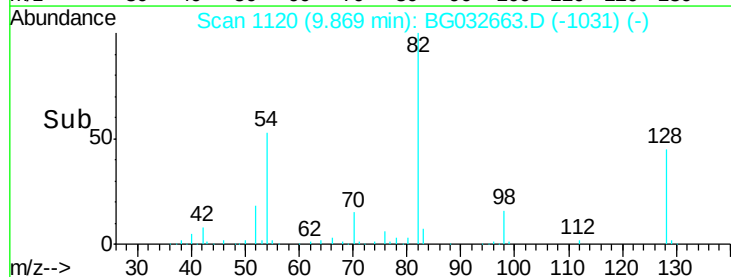


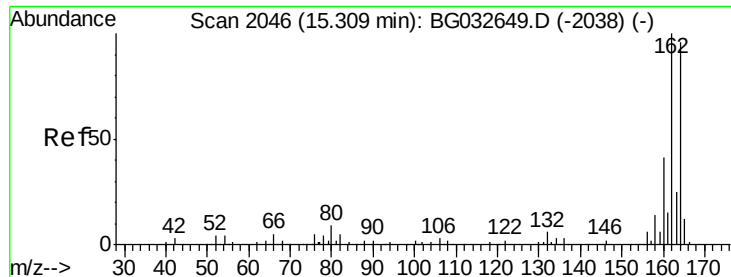
#23
Nitrobenzene-d5
Concen: 102.246 ng
RT: 9.87 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BG032663.D
Acq: 13 Feb 2018 16:42

Tgt Ion: 82 Resp: 226356
Ion Ratio Lower Upper
82 100
128 44.9 29.7 44.5#
54 52.8 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.30 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

Instrument :

BNA_G

ClientSampleId :

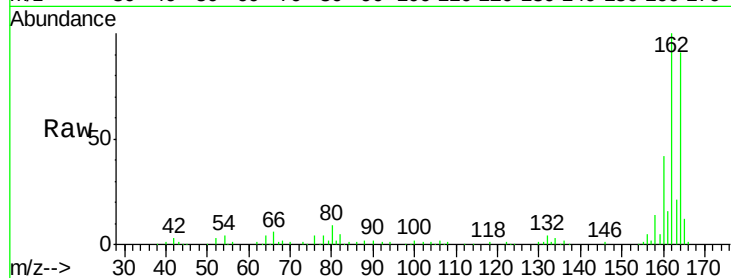
Tot Ion:164 Resp: 102042

Ion Ratio Lower Upper

164 100

162 110.0 78.8 118.2

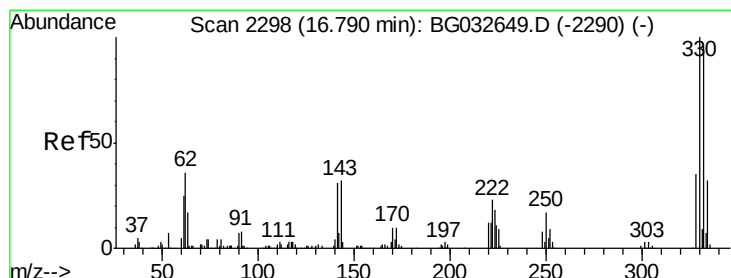
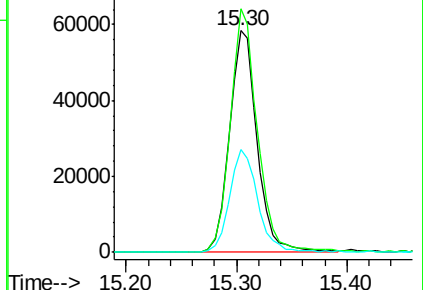
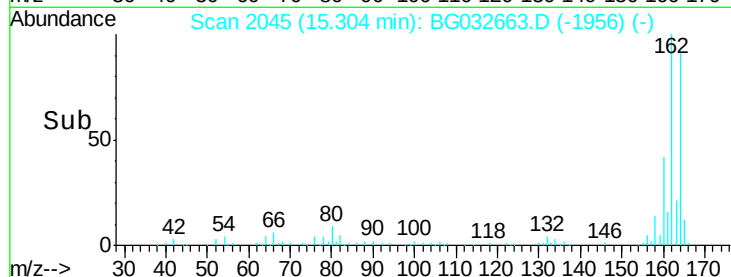
160 46.5 35.4 53.0



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: 141.455 ng

RT: 16.78 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

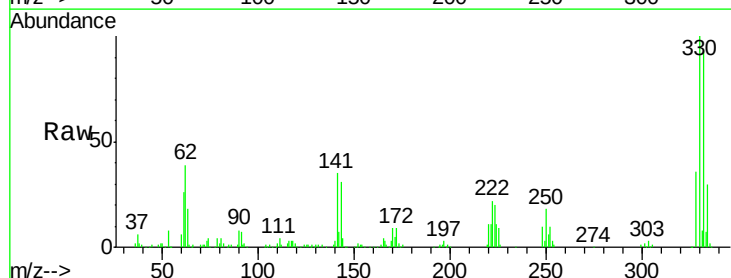
Tgt Ion:330 Resp: 222258

Ion Ratio Lower Upper

330 100

332 93.7 77.0 115.6

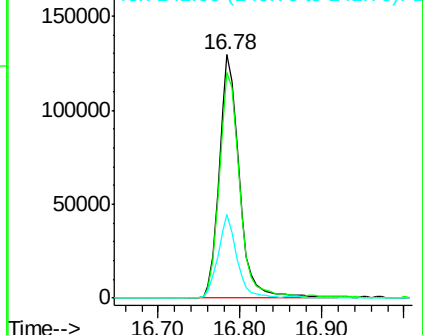
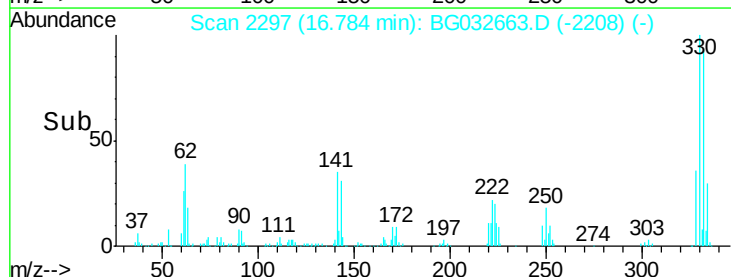
141 32.1 25.2 37.8

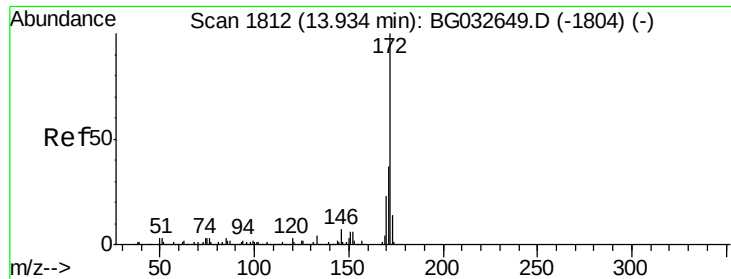


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

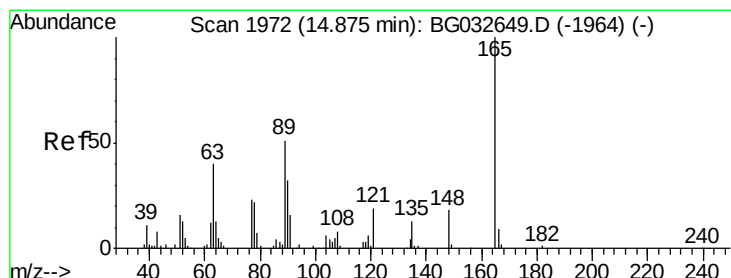
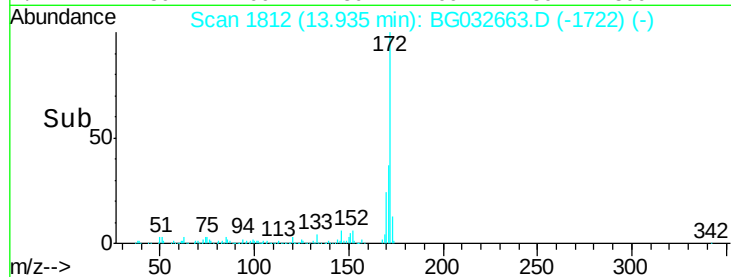
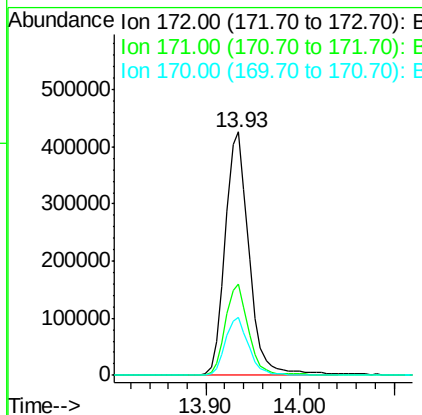
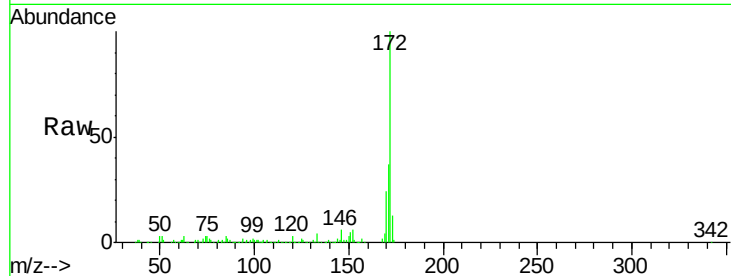




#44
 2-Fluorobiphenyl
 Concen: 92.303 ng
 RT: 13.93 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: BG032663.D
 Acq: 13 Feb 2018 16:42

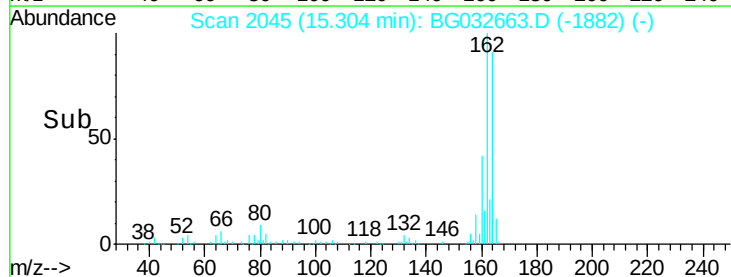
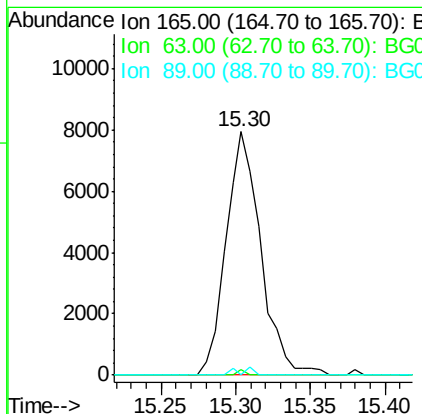
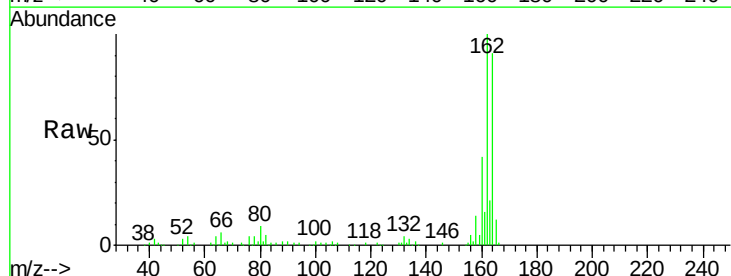
Instrument :
 BNA_G
 ClientSampleId :

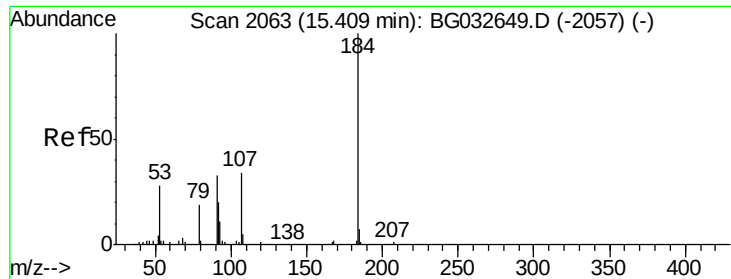
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	23.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.098 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032663.D
 Acq: 13 Feb 2018 16:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	0.0	49.2	73.8#

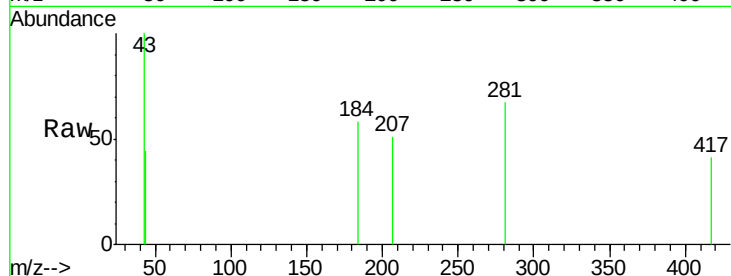




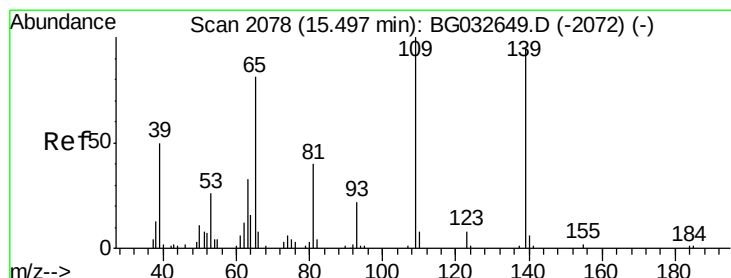
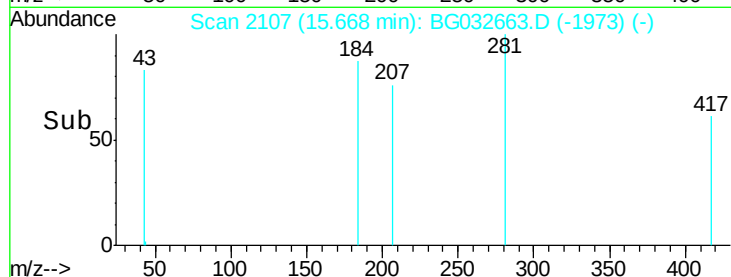
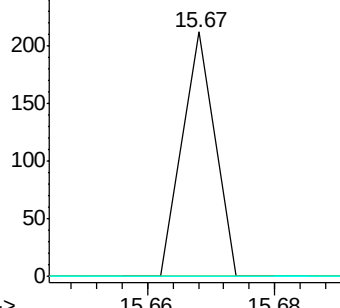
#53
2,4-Dinitrophenol
Concen: 11.527 ng
RT: 15.67 min Scan# 2107
Delta R.T. 0.26 min
Lab File: BG032663.D
Acq: 13 Feb 2018 16:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

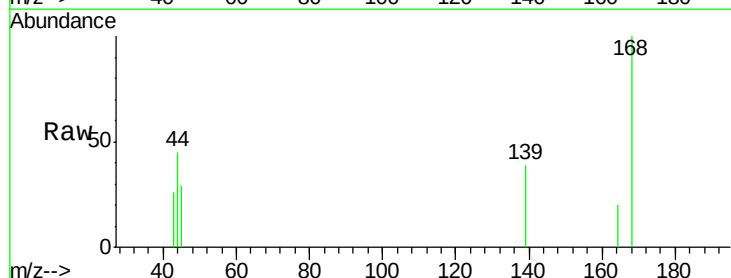


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

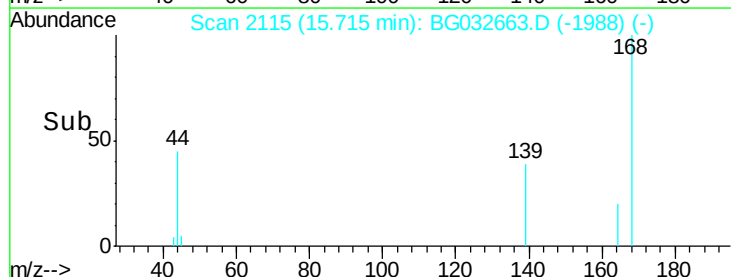
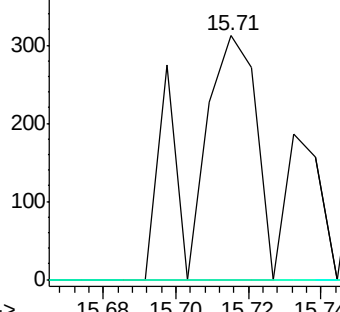


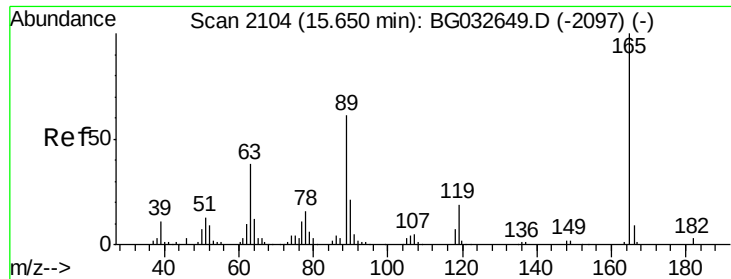
#55
4-Nitrophenol
Concen: 5.785 ng
RT: 15.71 min Scan# 2115
Delta R.T. 0.22 min
Lab File: BG032663.D
Acq: 13 Feb 2018 16:42

Tgt Ion:139 Resp: 383
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): BG

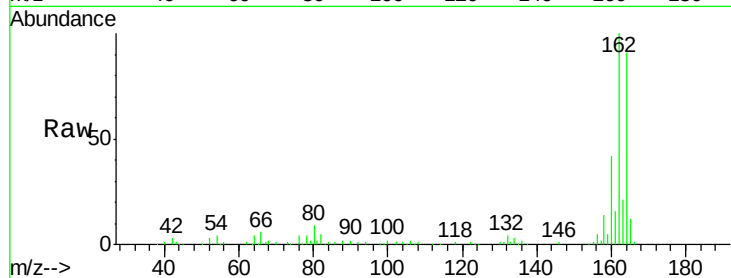




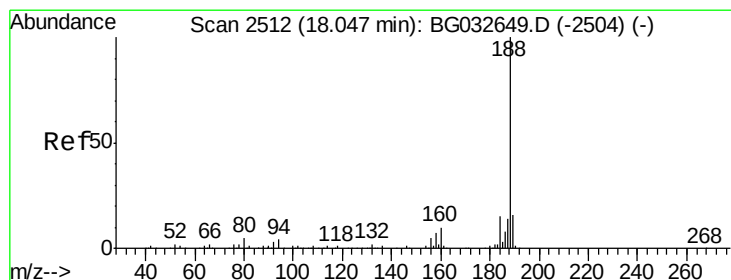
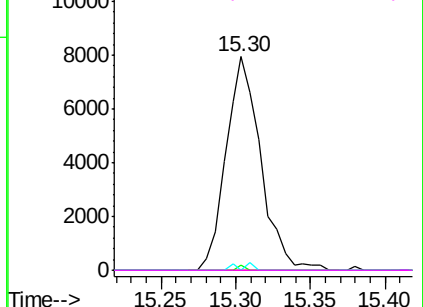
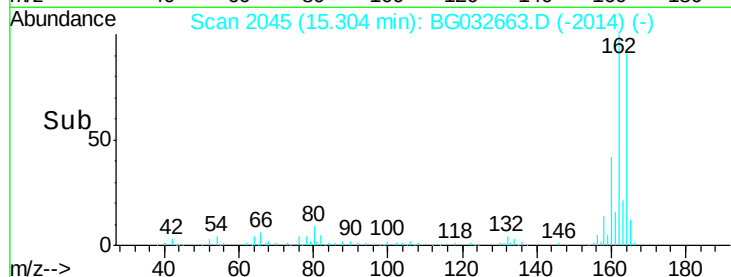
#56
 2,4-Dinitrotoluene
 Concen: 5.151 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. -0.35 min
 Lab File: BG032663.D
 Acq: 13 Feb 2018 16:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12894
 Ion Ratio Lower Upper
 165 100
 63 2.5 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

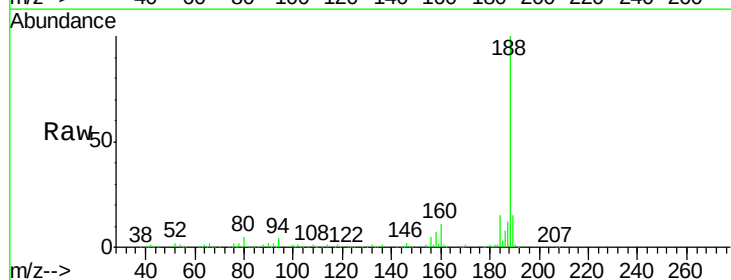


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

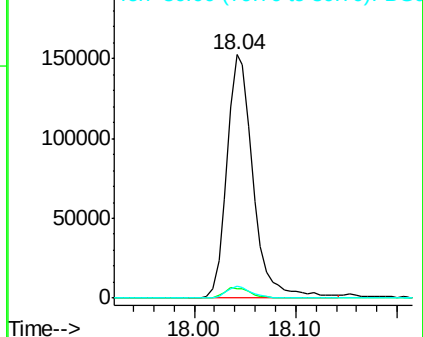
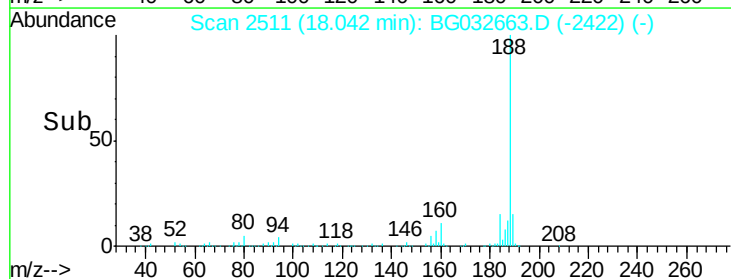


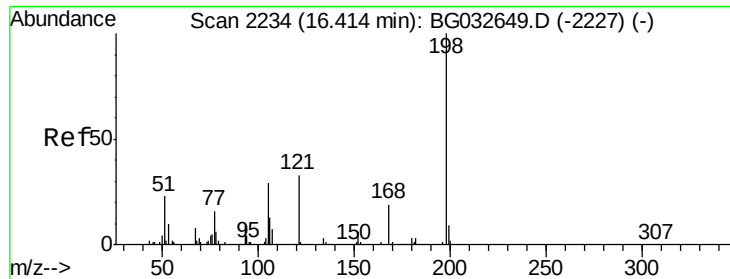
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.04 min Scan# 2511
 Delta R.T. -0.01 min
 Lab File: BG032663.D
 Acq: 13 Feb 2018 16:42

Tgt Ion:188 Resp: 273412
 Ion Ratio Lower Upper
 188 100
 94 3.7 6.9 10.3#
 80 4.9 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: 5.323 ng

RT: 16.78 min Scan# 2297

Delta R.T. 0.37 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

Instrument :

BNA_G

ClientSampled :

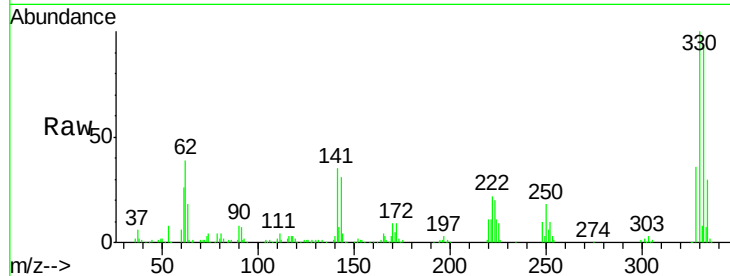
Tot Ion:198 Resp: 666

Ion Ratio Lower Upper

198 100

51 68.8 30.6 70.6

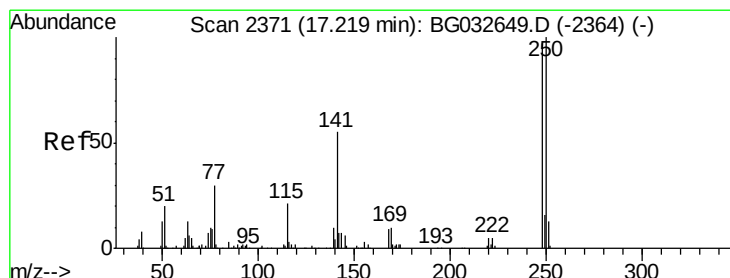
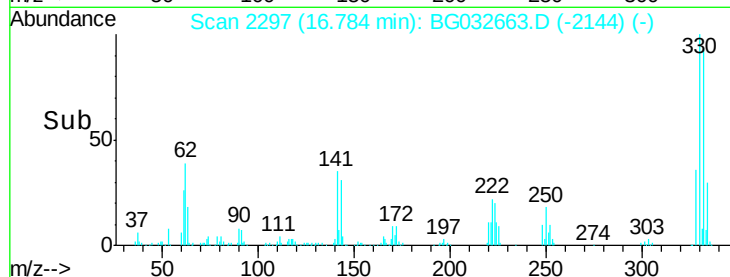
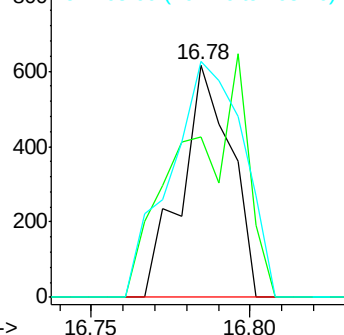
105 101.6 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.041 ng

RT: 16.78 min Scan# 2297

Delta R.T. -0.43 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

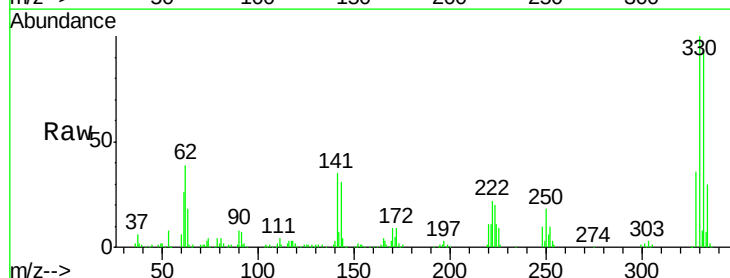
Tgt Ion:248 Resp: 19726

Ion Ratio Lower Upper

248 100

250 183.2 77.1 115.7#

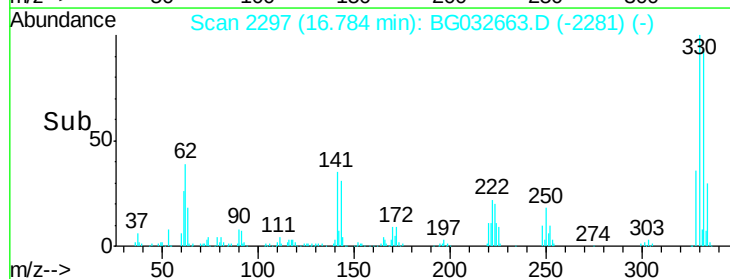
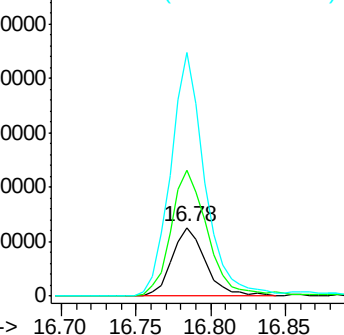
141 354.5 50.8 76.2#

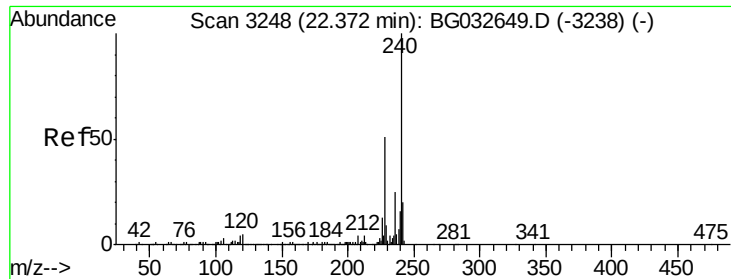


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.37 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

Instrument :

BNA_G

ClientSampleId :

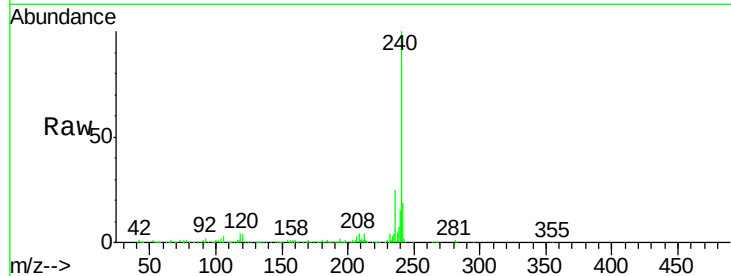
Tot Ion:240 Resp: 354269

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

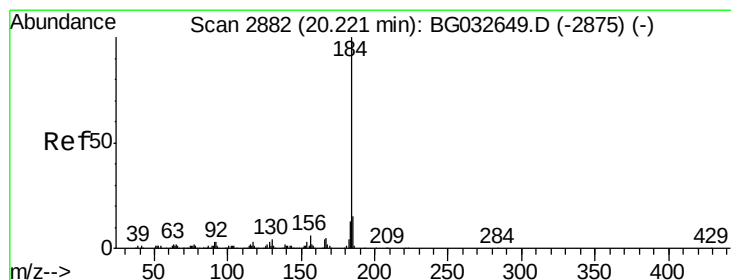
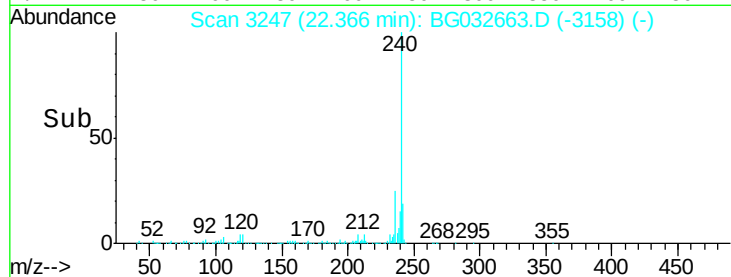
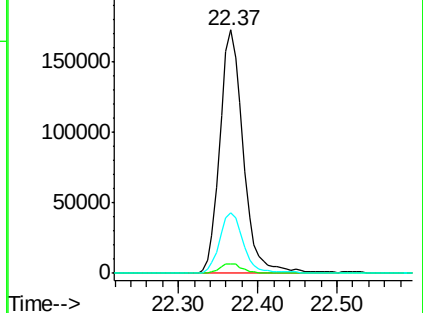
236 25.0 20.9 31.3



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: 2.738 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.36 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

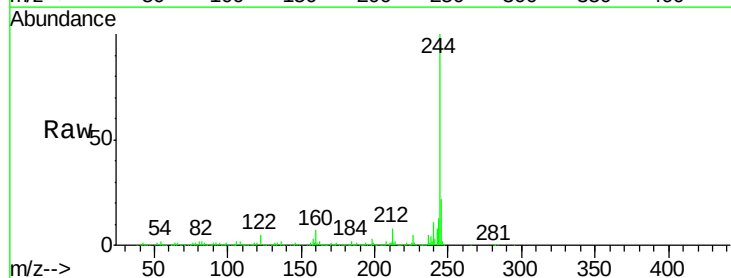
Tgt Ion:184 Resp: 22839

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

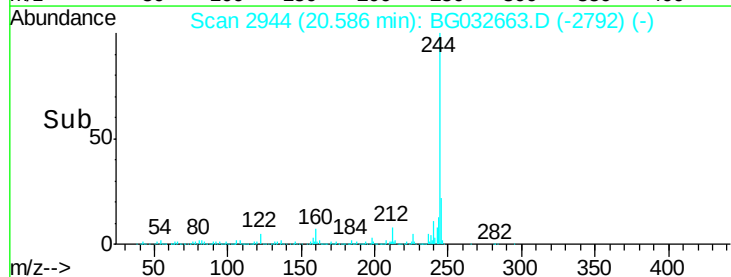
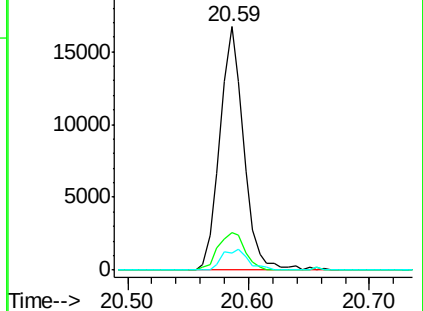
183 6.8 10.6 16.0#

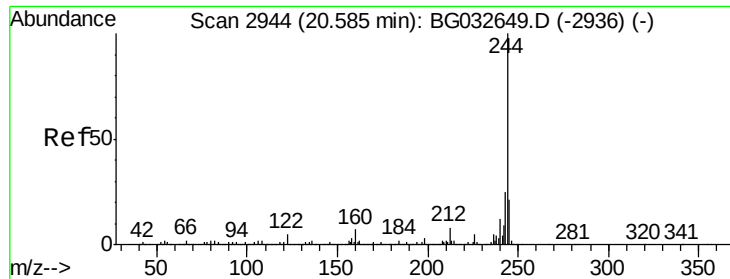


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.038 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.00 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

Instrument :

BNA_G

ClientSampleId :

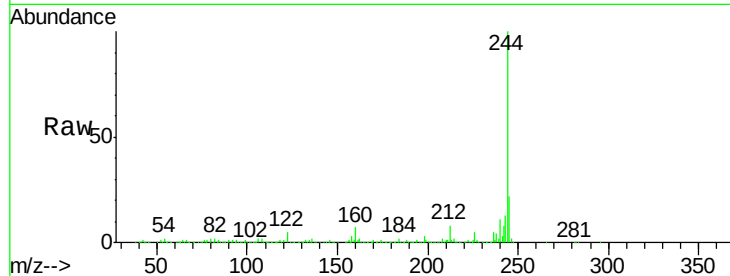
Tot Ion:244 Resp: 1461685

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

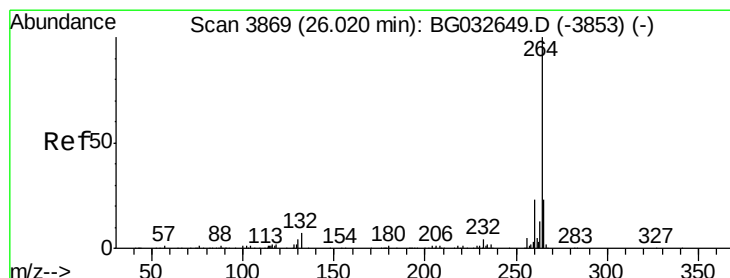
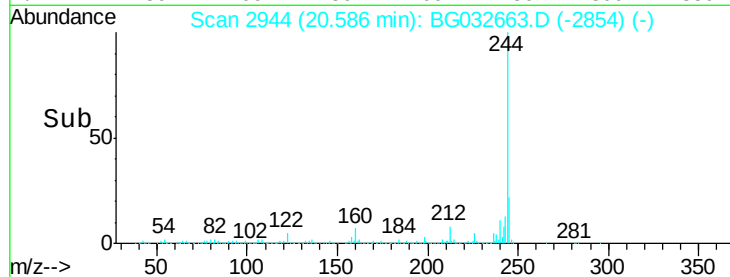
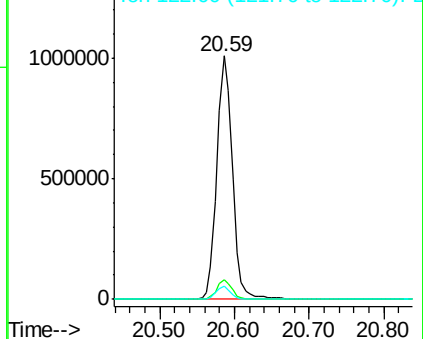
122 5.3 7.0 10.4#



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: 26.01 min Scan# 3867

Delta R.T. -0.01 min

Lab File: BG032663.D

Acq: 13 Feb 2018 16:42

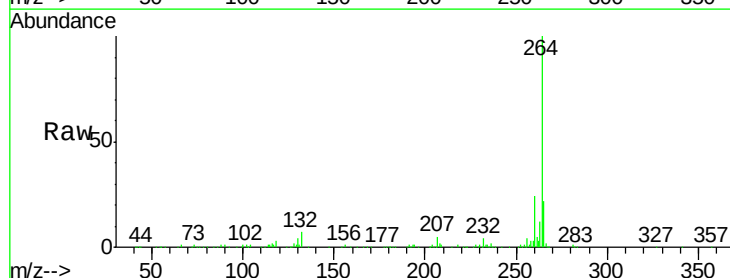
Tgt Ion:264 Resp: 360551

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.6 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

