

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032976.D
 Acq On : 3 Mar 2018 11:06
 Operator : SJ/JU
 Sample : J1756-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:36:54 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

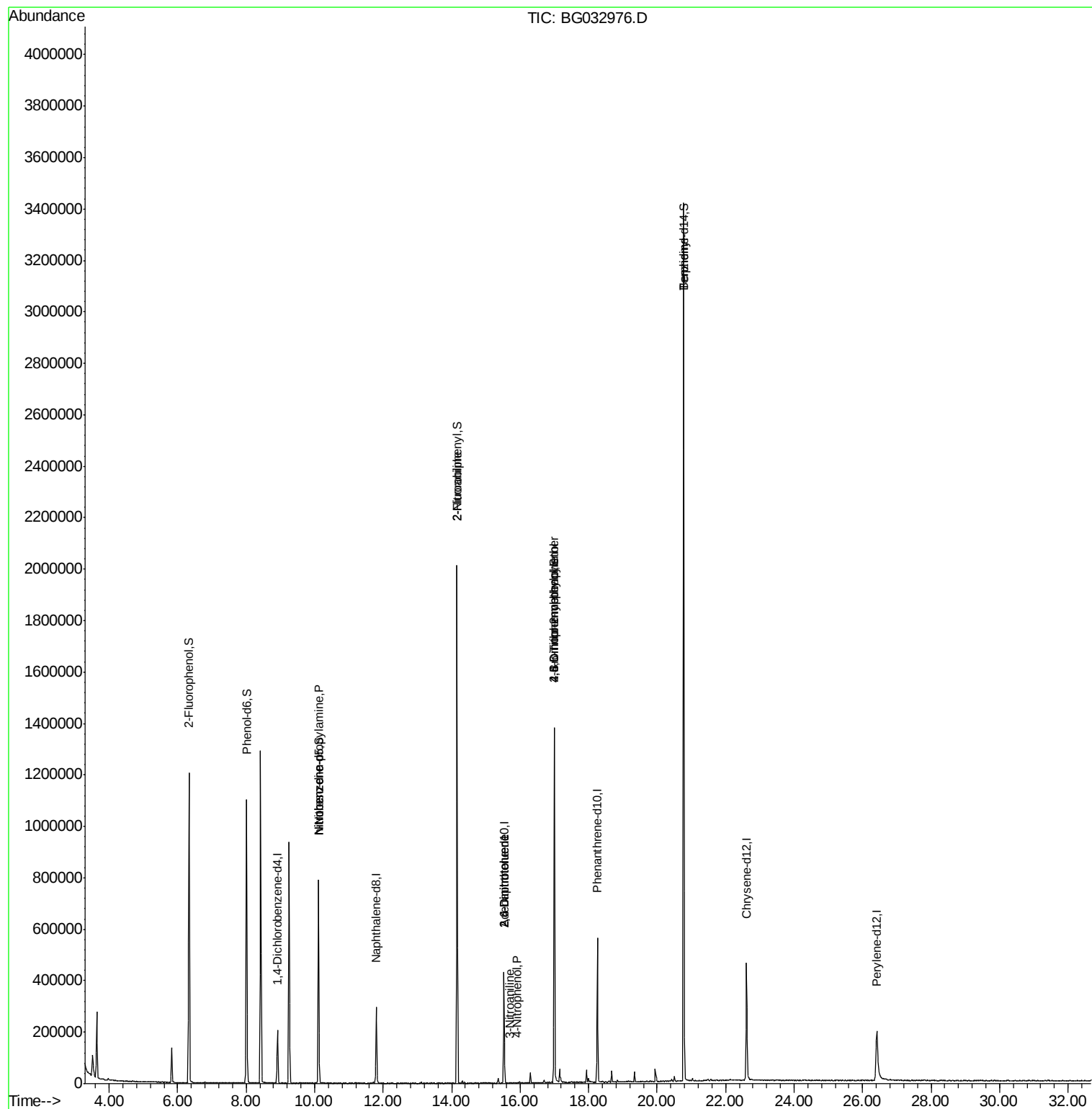
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	61268	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	268834	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	150398	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	343511	20.00	ng	0.00
75) Chrysene-d12	22.61	240	320563	20.00	ng	0.00
86) Perylene-d12	26.41	264	295927	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	573180	149.67	ng	0.00
7) Phenol-d6	8.01	99	695608	130.31	ng	0.00
23) Nitrobenzene-d5	10.11	82	504625	124.98	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	244640	154.70	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1042440	99.97	ng	0.00
78) Terphenyl-d14	20.77	244	1585946	111.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	65112	17.278	ng	# 84
24) Nitrobenzene	10.12	77	1643	6.713	ng	# 39
47) 2-Nitroaniline	14.16	65	1928	10.455	ng	# 6
50) 2,6-Dinitrotoluene	15.53	165	19365	16.362	ng	# 21
52) 3-Nitroaniline	15.70	138	65	7.564	ng	# 1
55) 4-Nitrophenol	15.92	139	194	7.165	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	19365	14.559	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	670	5.777	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17923	4.934	ng	# 1
76) Benzidine	20.77	184	27864	2.550	ng	# 91

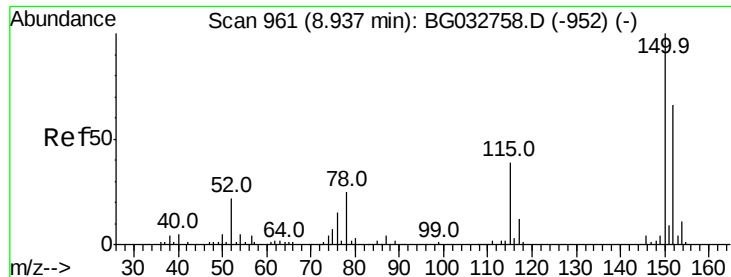
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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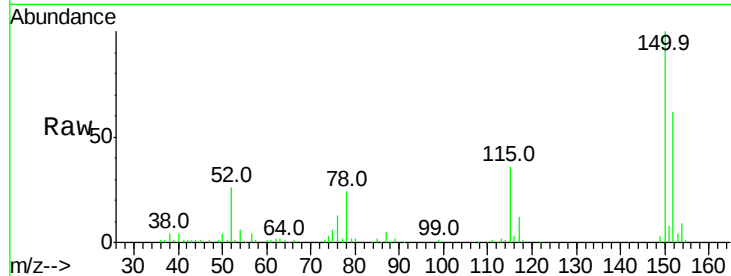


#1

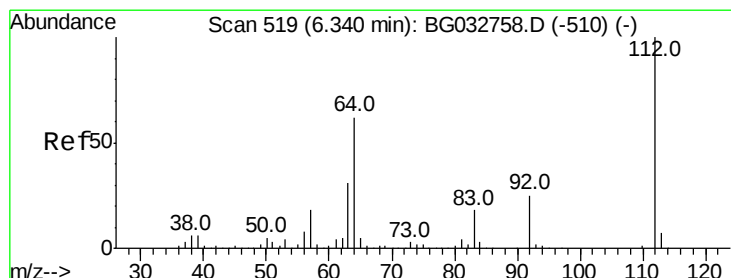
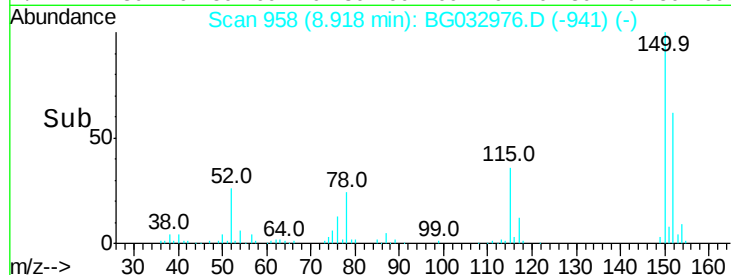
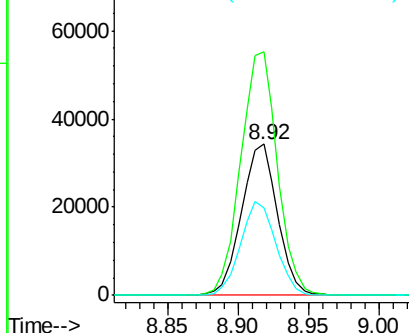
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61268
Ion Ratio Lower Upper
152 100
150 160.9 126.6 189.8
115 57.9 53.0 79.4



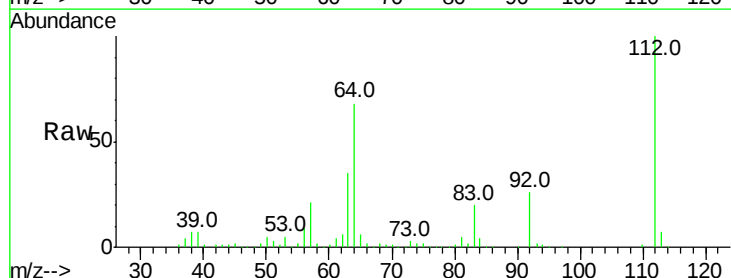
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



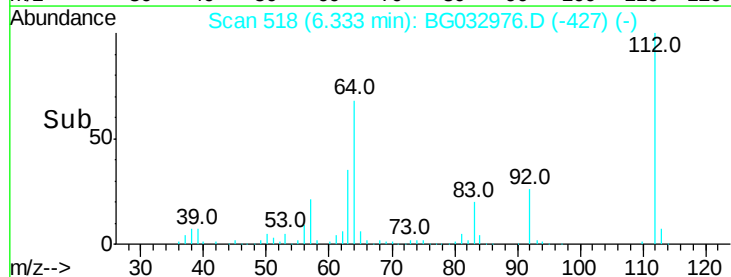
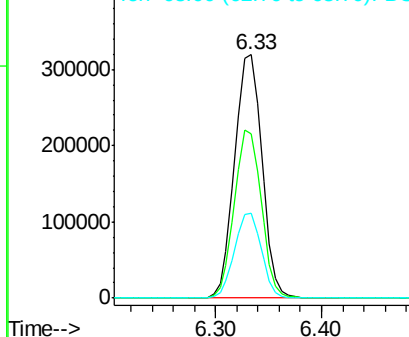
#5

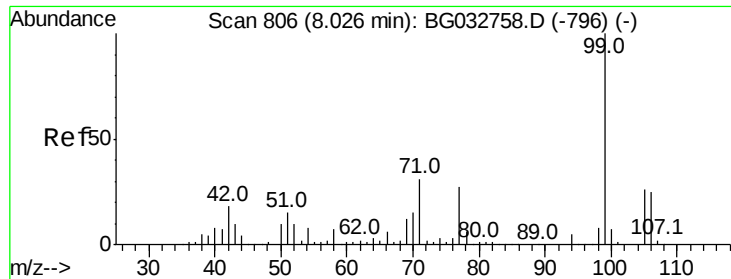
2-Fluorophenol
Concen: 149.671 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

Tgt Ion:112 Resp: 573180
Ion Ratio Lower Upper
112 100
64 67.5 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): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 130.314 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

Instrument :

BNA_G

ClientSampleId :

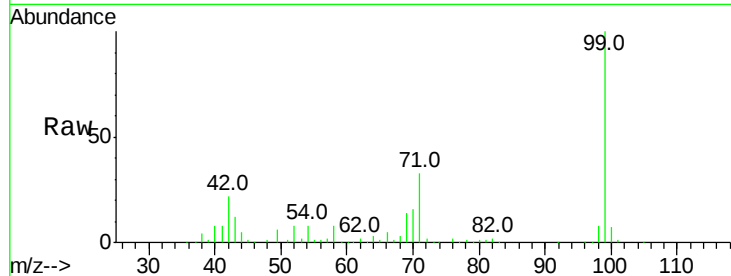
Tot Ion: 99 Resp: 695608

Ion Ratio Lower Upper

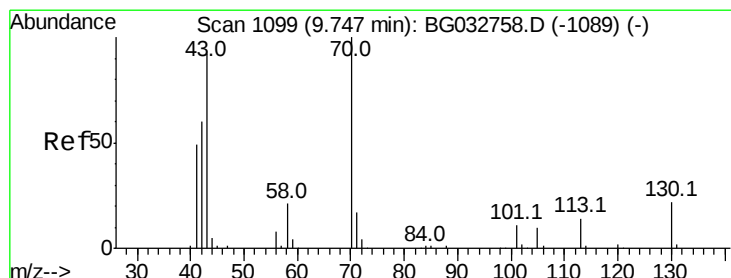
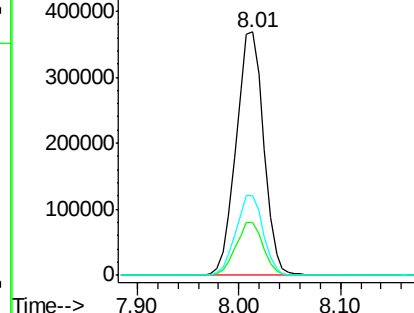
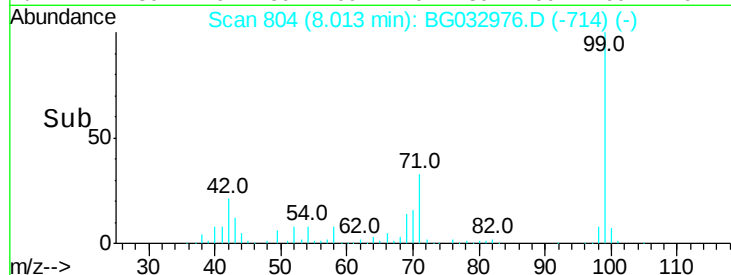
99 100

42 21.5 14.1 21.1#

71 32.9 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: 17.278 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

Tgt Ion: 70 Resp: 65112

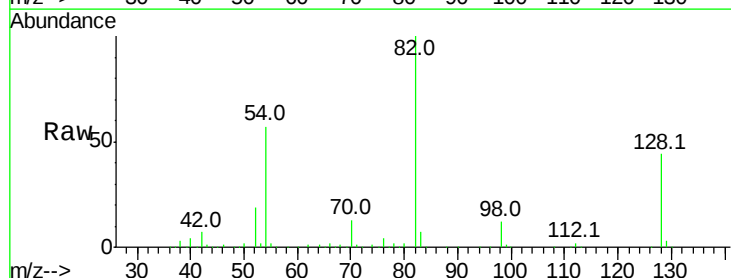
Ion Ratio Lower Upper

70 100

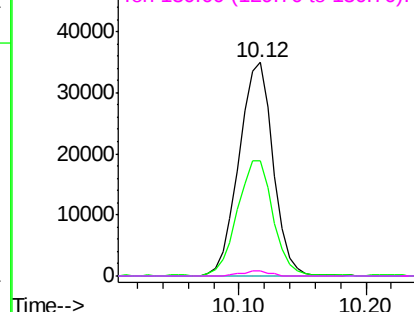
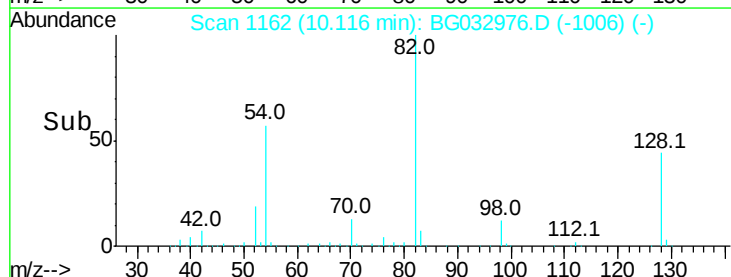
42 53.9 49.1 73.7

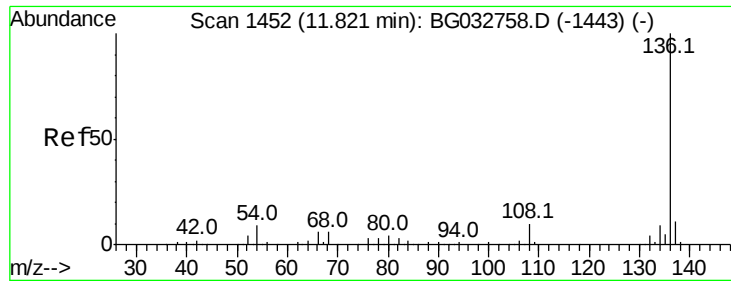
101 0.0 8.5 12.7#

130 2.7 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

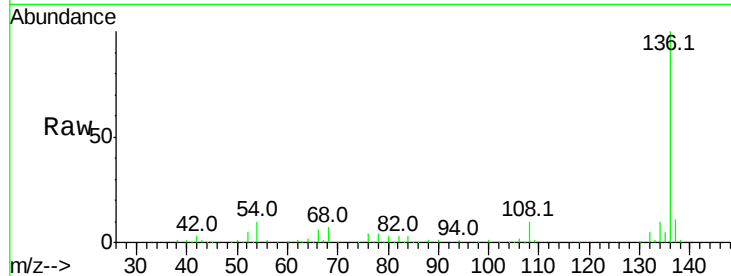




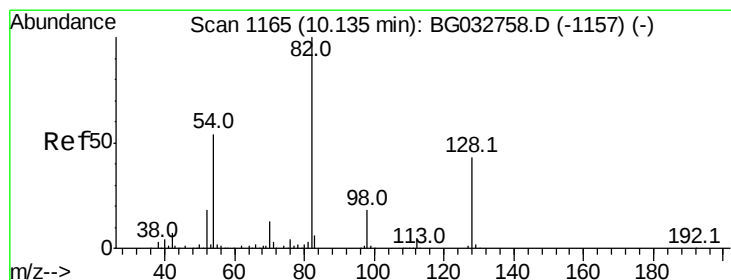
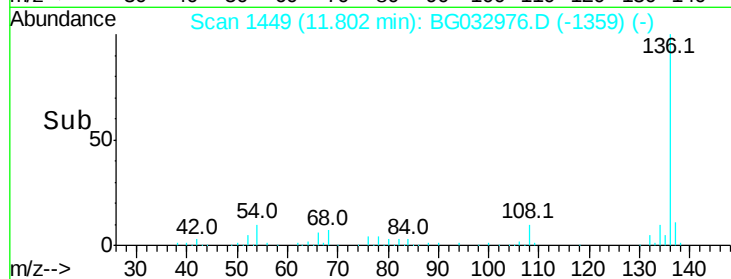
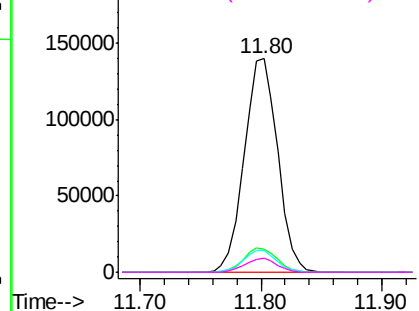
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 268834
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 10.3 10.3 15.5#
68 6.9 4.5 6.7#

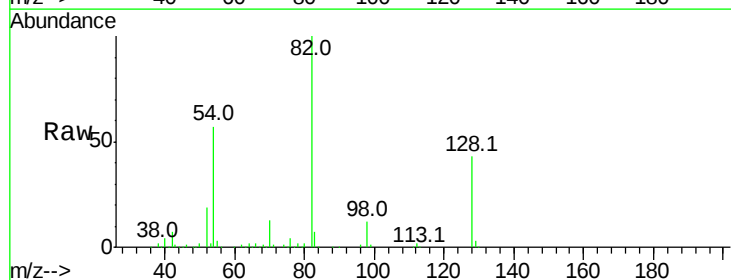


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

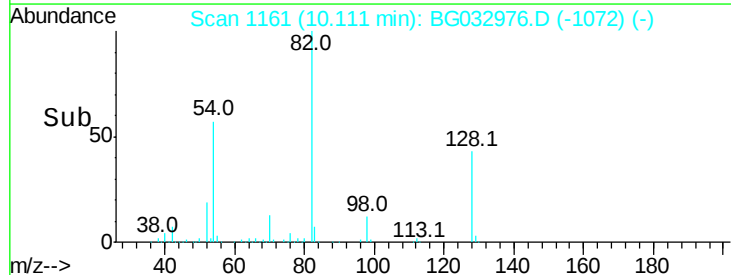
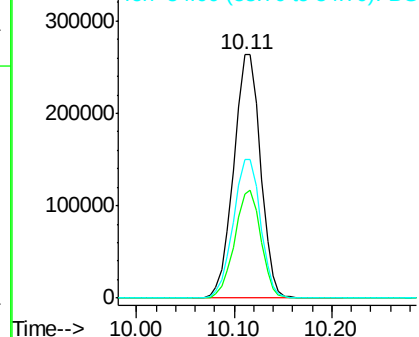


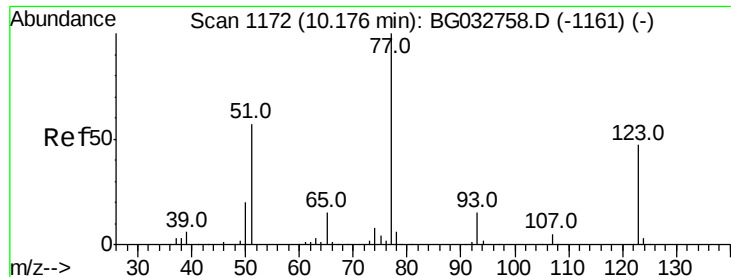
#23
Nitrobenzene-d5
Concen: 124.982 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

Tgt Ion: 82 Resp: 504625
Ion Ratio Lower Upper
82 100
128 42.6 29.7 44.5
54 57.2 43.1 64.7



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





#24

Nitrobenzene

Concen: 6.713 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

Instrument :

BNA_G

ClientSampled :

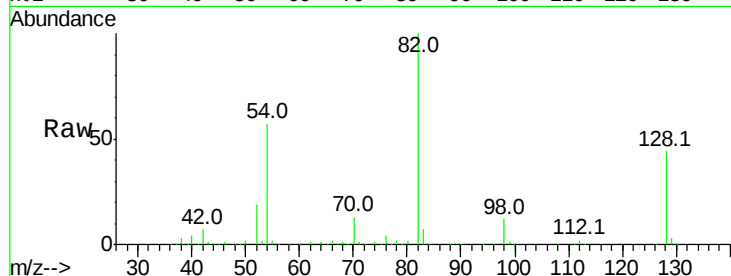
Tot Ion: 77 Resp: 1643

Ion Ratio Lower Upper

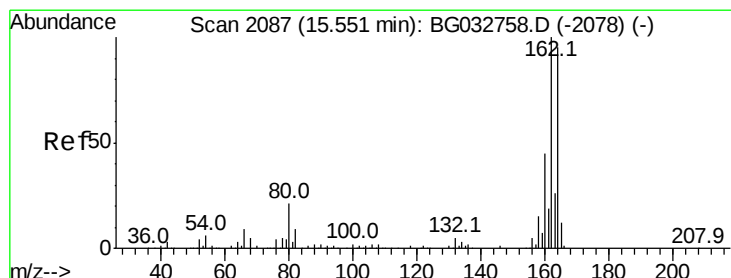
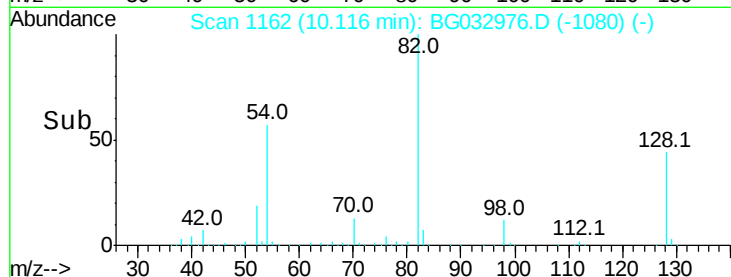
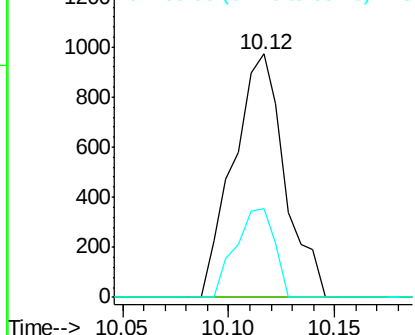
77 100

123 0.0 33.0 49.6#

65 36.7 13.0 19.6#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

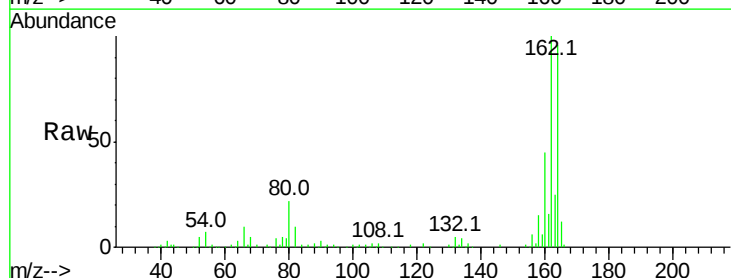
Tgt Ion:164 Resp: 150398

Ion Ratio Lower Upper

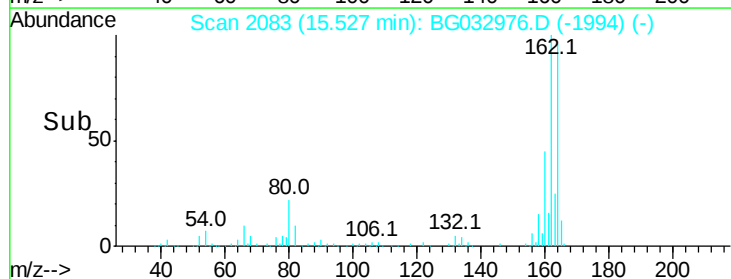
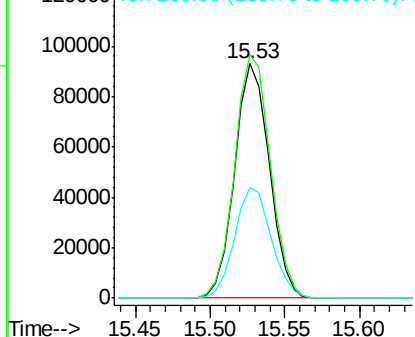
164 100

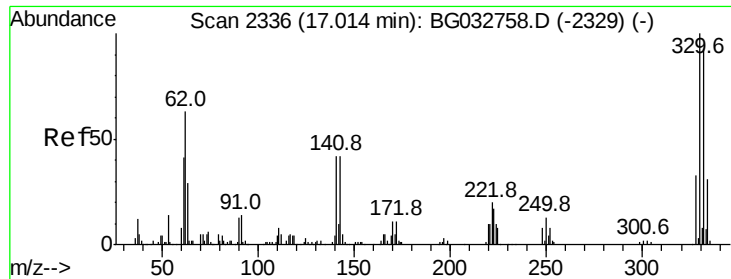
162 104.0 78.8 118.2

160 47.0 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

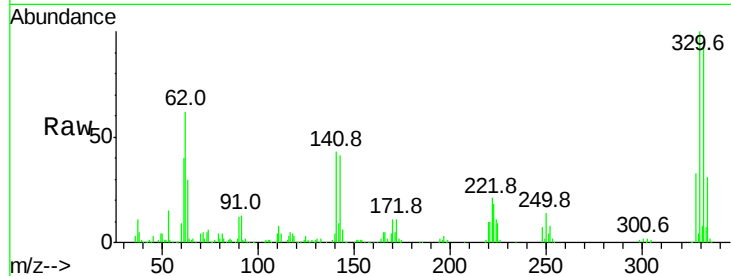




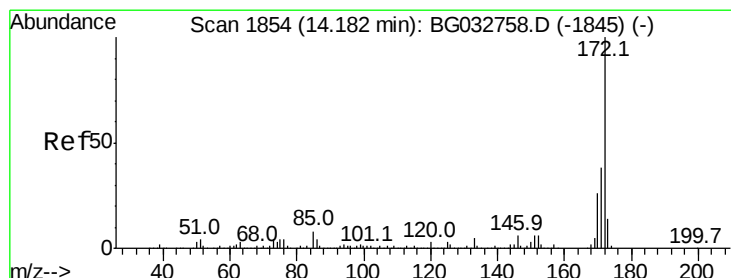
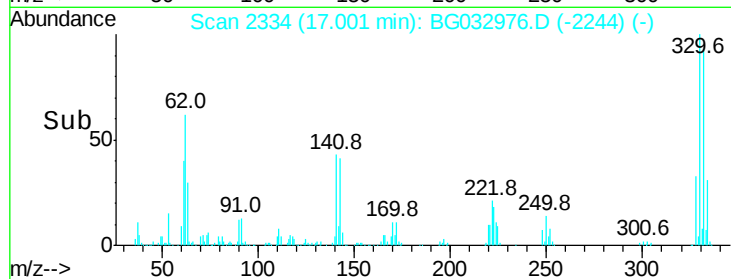
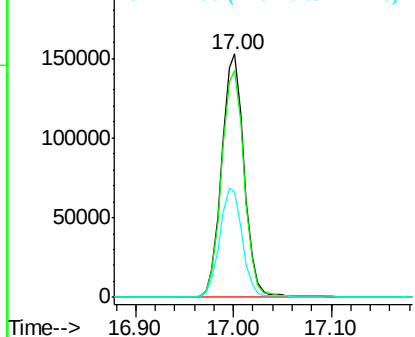
#41
 2,4,6-Tribromophenol
 Concen: 154.700 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032976.D
 Acq: 3 Mar 2018 11:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 244640
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 45.6 25.2 37.8#

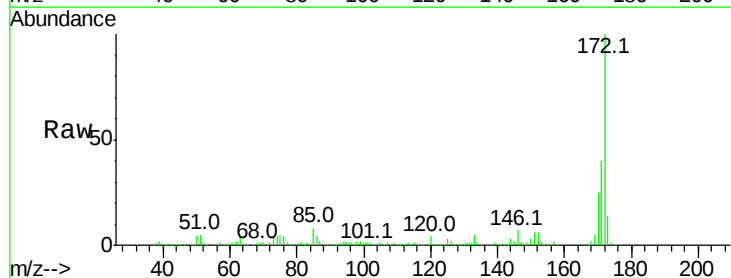


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

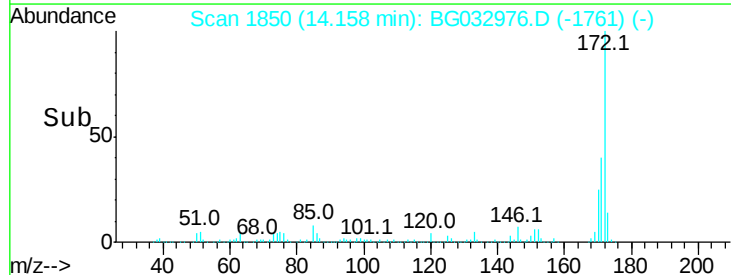
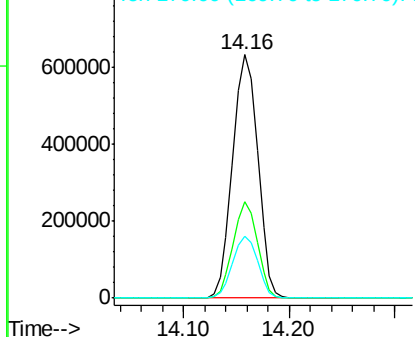


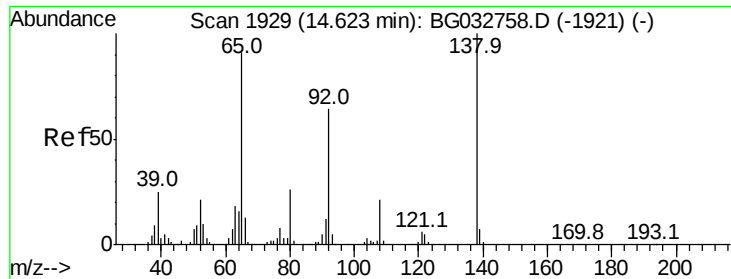
#44
 2-Fluorobiphenyl
 Concen: 99.966 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032976.D
 Acq: 3 Mar 2018 11:06

Tgt Ion:172 Resp: 1042440
 Ion Ratio Lower Upper
 172 100
 171 39.6 30.0 45.0
 170 25.4 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

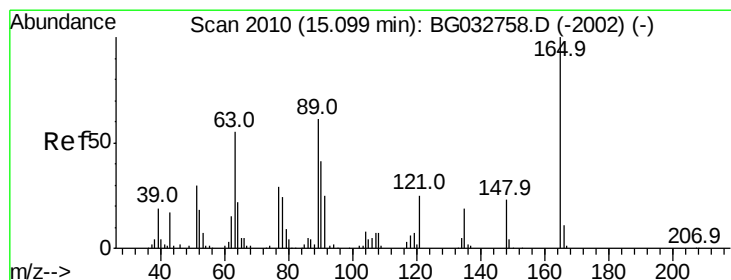
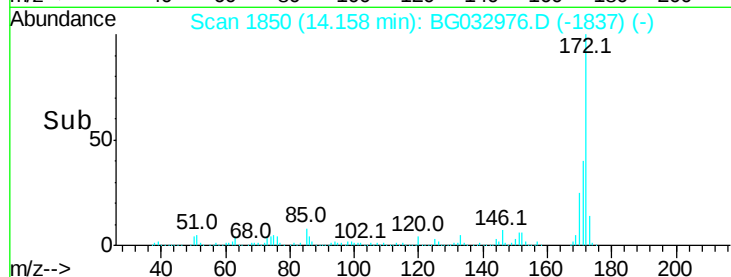
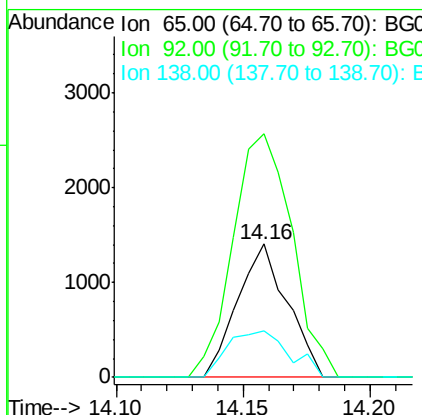
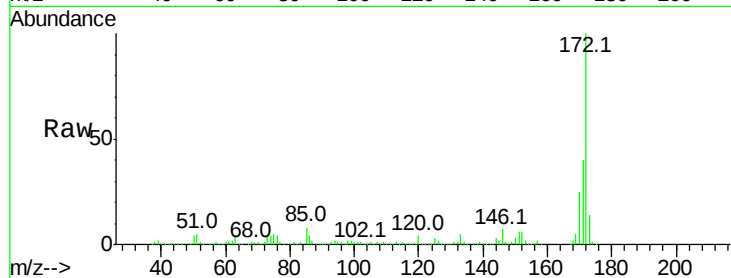




#47
2-Nitroaniline
Concen: 10.455 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.46 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

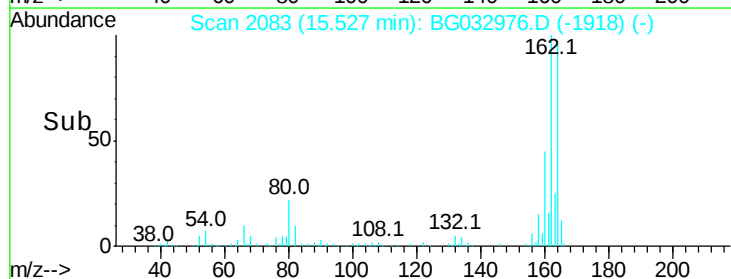
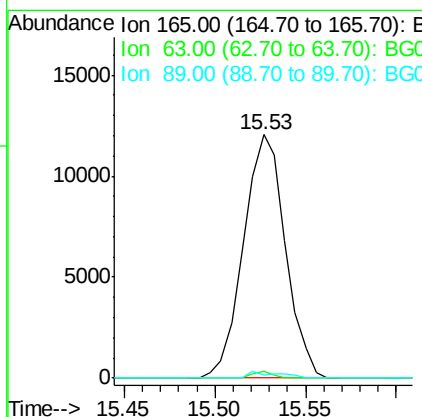
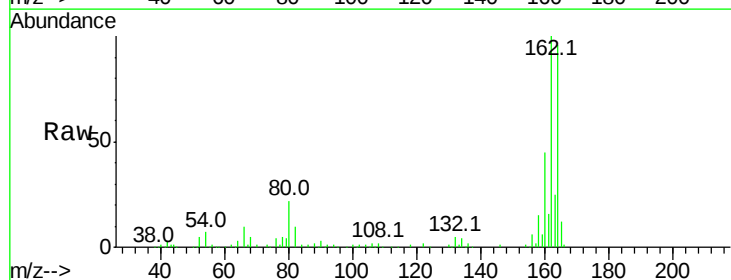
Instrument :
BNA_G
ClientSampleId :

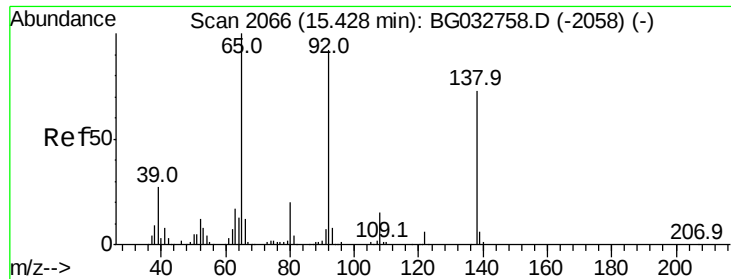
Tot Ion: 65 Resp: 1928
Ion Ratio Lower Upper
65 100
92 182.5 54.6 82.0#
138 35.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.362 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

Tgt Ion:165 Resp: 19365
Ion Ratio Lower Upper
165 100
63 2.8 52.7 79.1#
89 1.4 49.2 73.8#





#52

3-Nitroaniline

Concen: 7.564 ng

RT: 15.70 min Scan# 2112

Delta R.T. 0.28 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

Instrument :

BNA_G

ClientSampled :

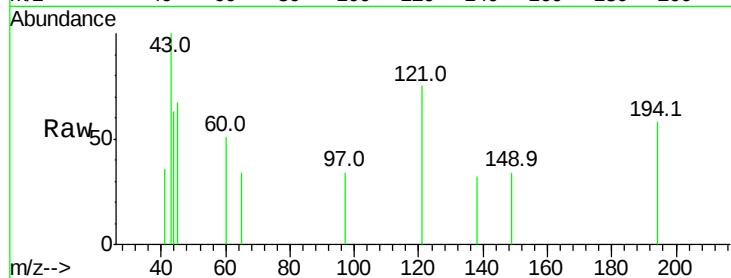
Tot Ion:138 Resp: 65

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

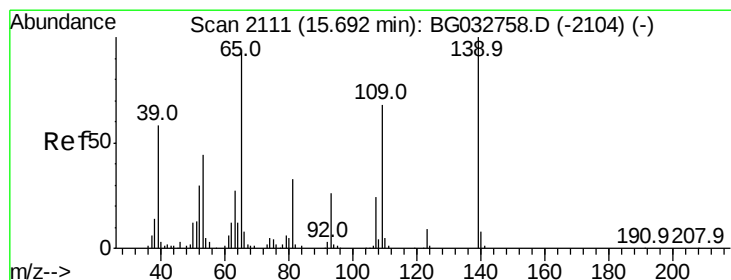
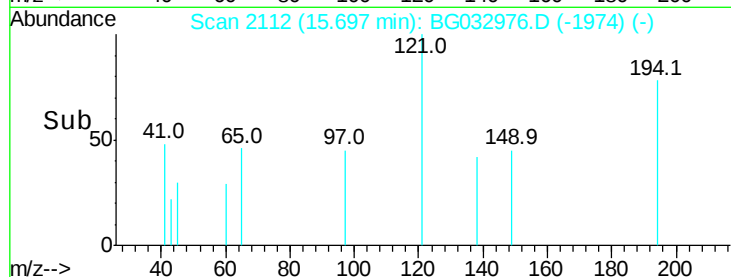
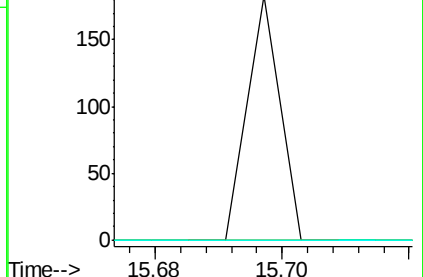
92 0.0 105.8 158.8#



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: 7.165 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

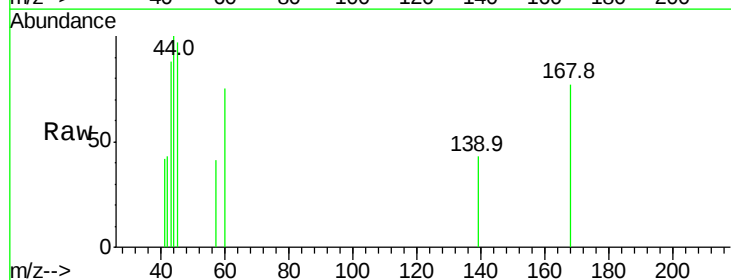
Tgt Ion:139 Resp: 194

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

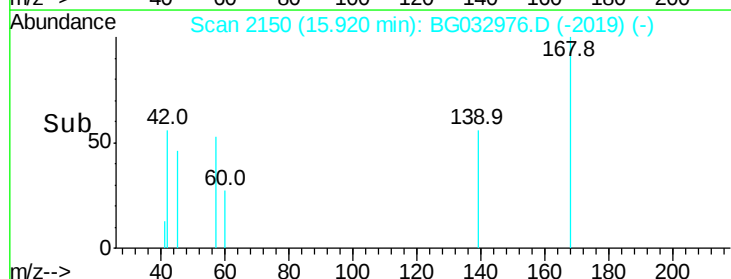
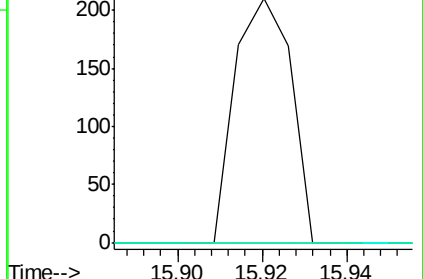
65 0.0 97.2 137.2#

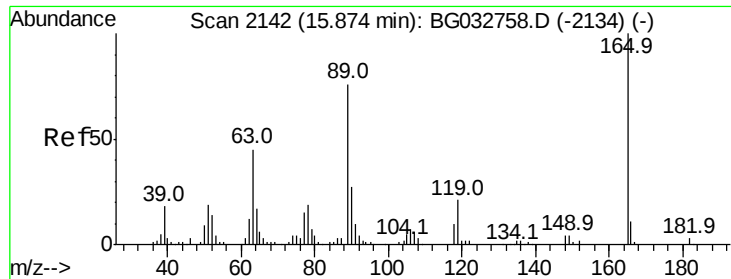


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

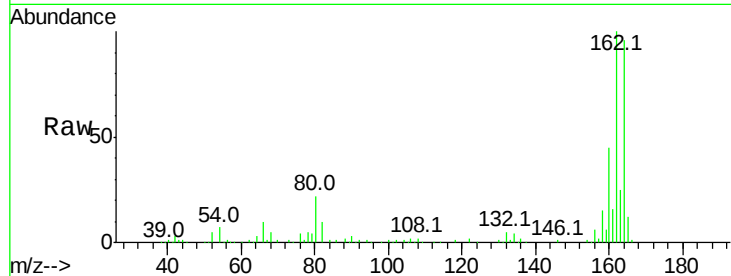




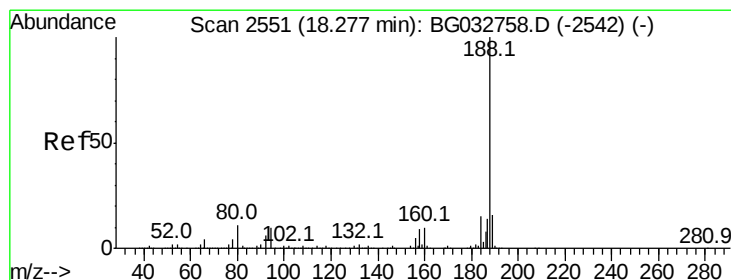
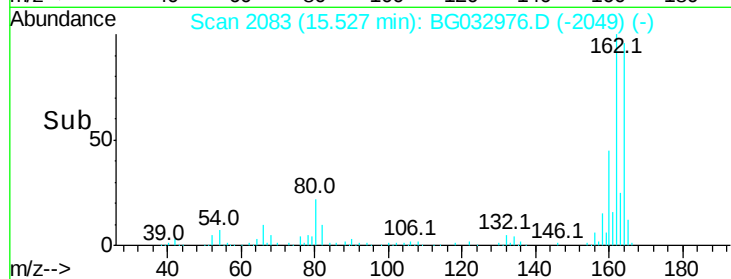
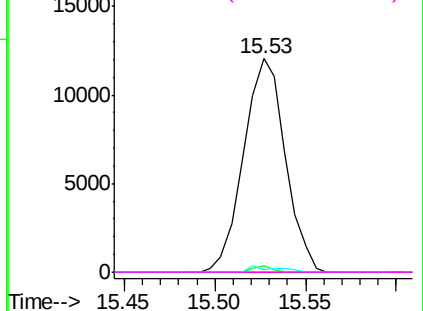
#56
2,4-Dinitrotoluene
Concen: 14.559 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 19365
Ion Ratio Lower Upper
165 100
63 2.8 42.0 63.0#
89 1.4 66.9 100.3#
182 0.0 2.6 3.8#

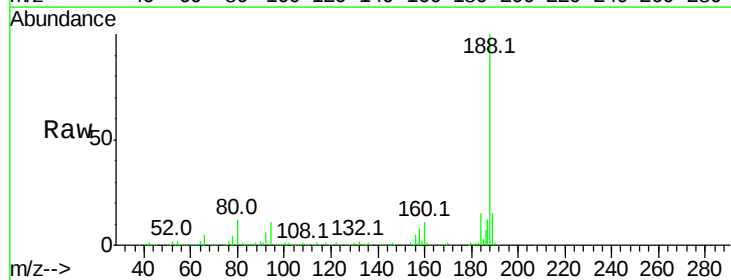


Abundance Ion 165.00 (164.70 to 165.70): E

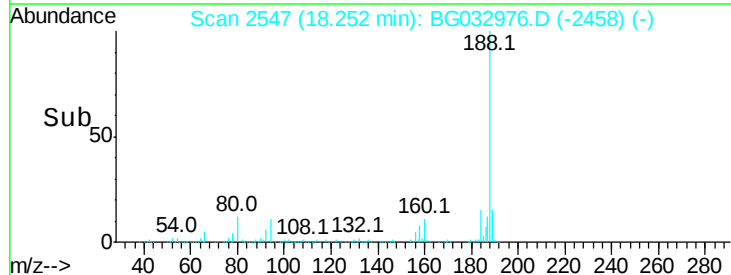
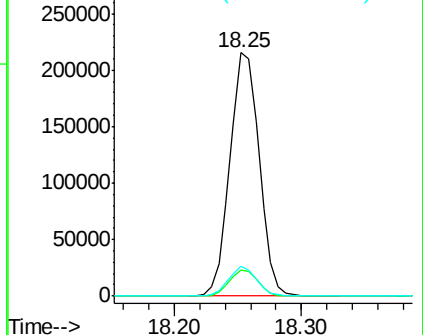


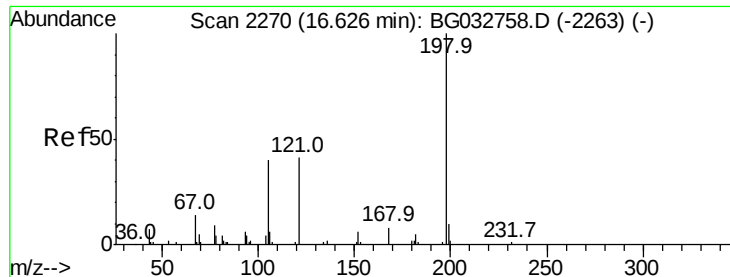
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG032976.D
Acq: 3 Mar 2018 11:06

Tgt Ion:188 Resp: 343511
Ion Ratio Lower Upper
188 100
94 10.5 6.9 10.3#
80 12.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

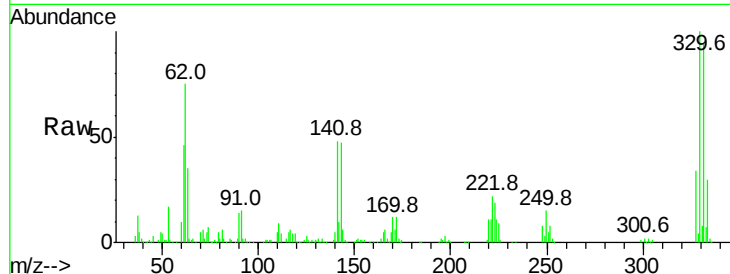




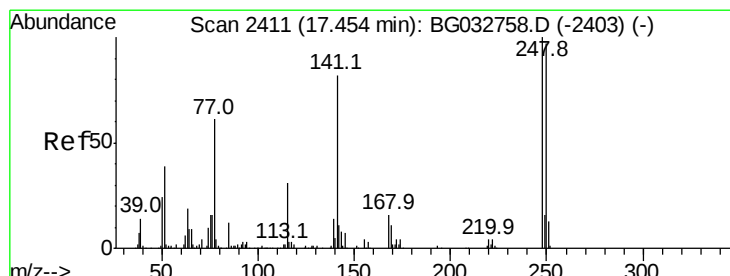
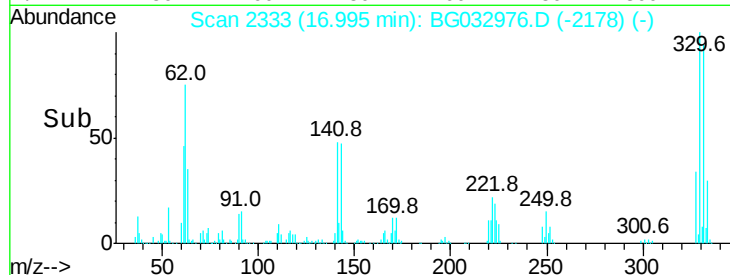
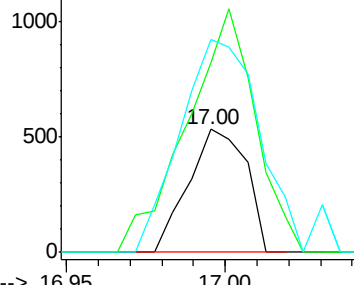
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.777 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG032976.D
 Acq: 3 Mar 2018 11:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 670
 Ion Ratio Lower Upper
 198 100
 51 154.7 30.6 70.6#
 105 173.7 23.8 63.8#



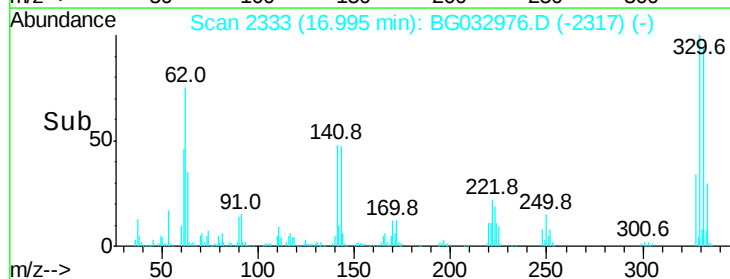
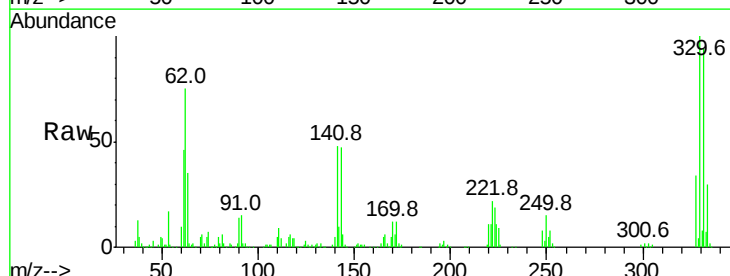
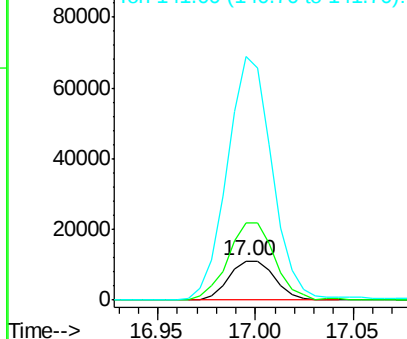
Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

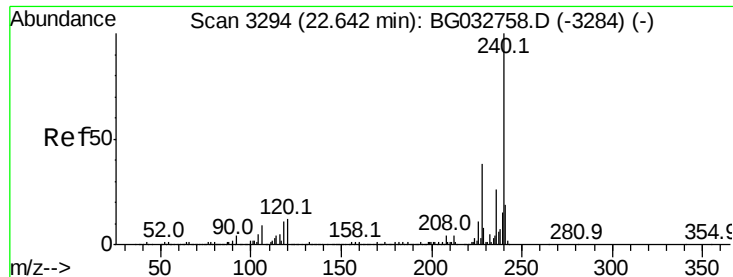


#66
 4-Bromophenyl-phenylether
 Concen: 4.934 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.44 min
 Lab File: BG032976.D
 Acq: 3 Mar 2018 11:06

Tgt Ion:248 Resp: 17923
 Ion Ratio Lower Upper
 248 100
 250 197.1 77.1 115.7#
 141 619.7 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: 22.61 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

Instrument :

BNA_G

ClientSampleId :

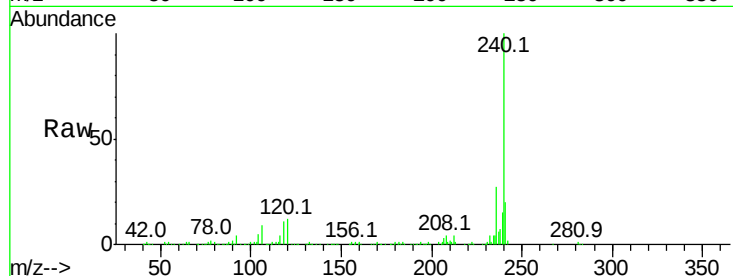
Tot Ion:240 Resp: 320563

Ion Ratio Lower Upper

240 100

120 12.1 6.8 10.2#

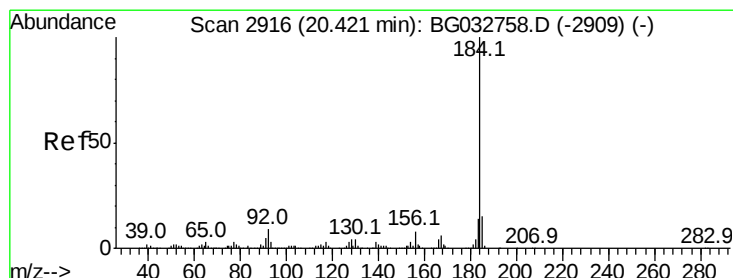
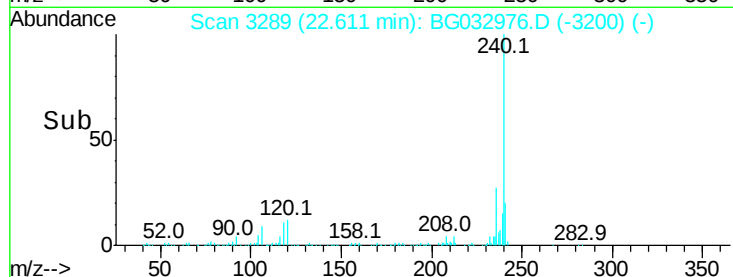
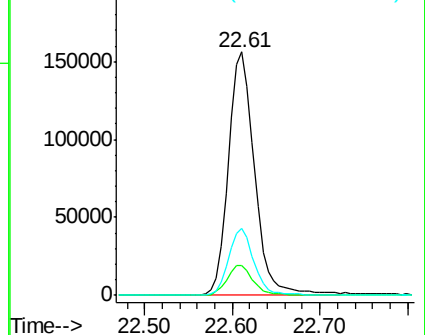
236 27.4 20.9 31.3



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: 2.550 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

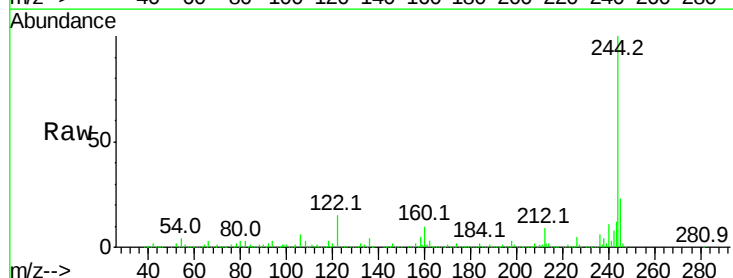
Tgt Ion:184 Resp: 27864

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

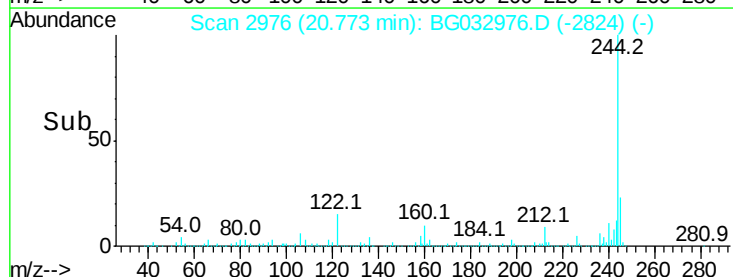
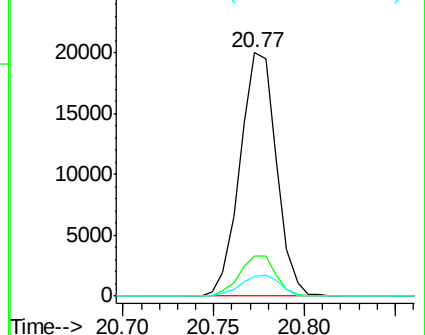
183 8.0 10.6 16.0#

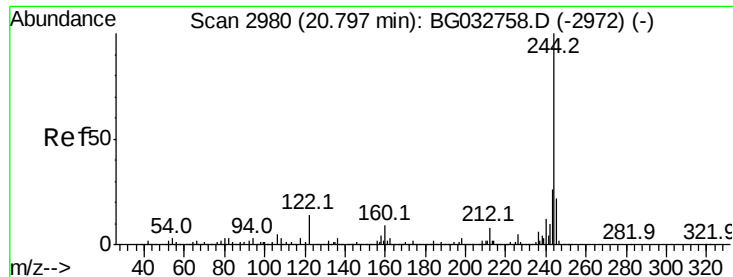


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 111.154 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

Instrument :

BNA_G

ClientSampled :

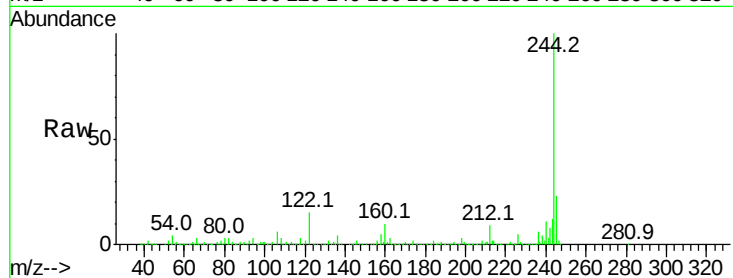
Tot Ion:244 Resp: 1585946

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

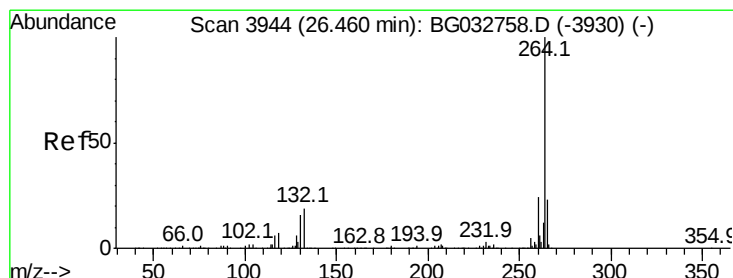
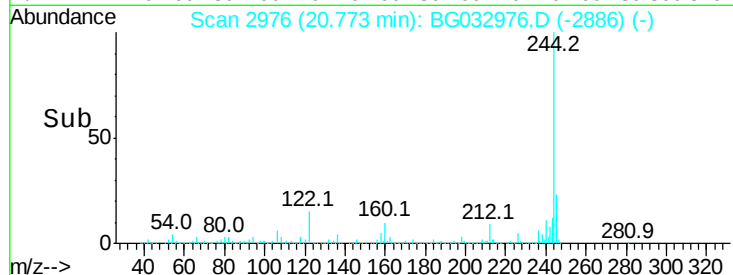
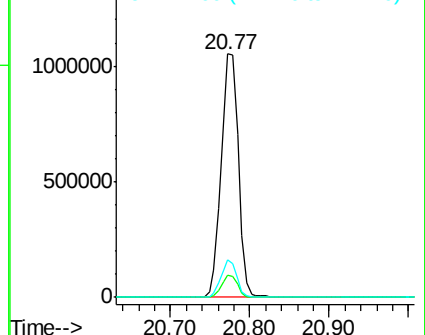
122 15.3 7.0 10.4#



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: 26.41 min Scan# 3936

Delta R.T. -0.01 min

Lab File: BG032976.D

Acq: 3 Mar 2018 11:06

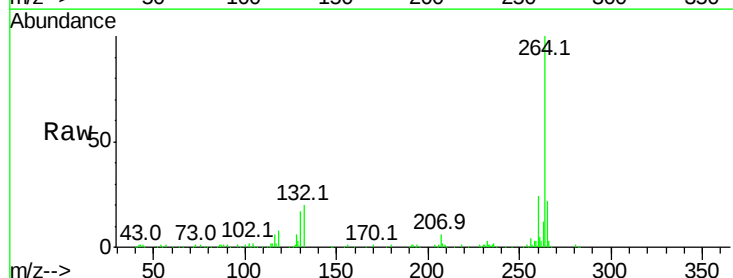
Tgt Ion:264 Resp: 295927

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 21.8 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

