

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032676.D
 Acq On : 14 Feb 2018 3:53
 Operator : SJ/JU
 Sample : J1397-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 06:30:28 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

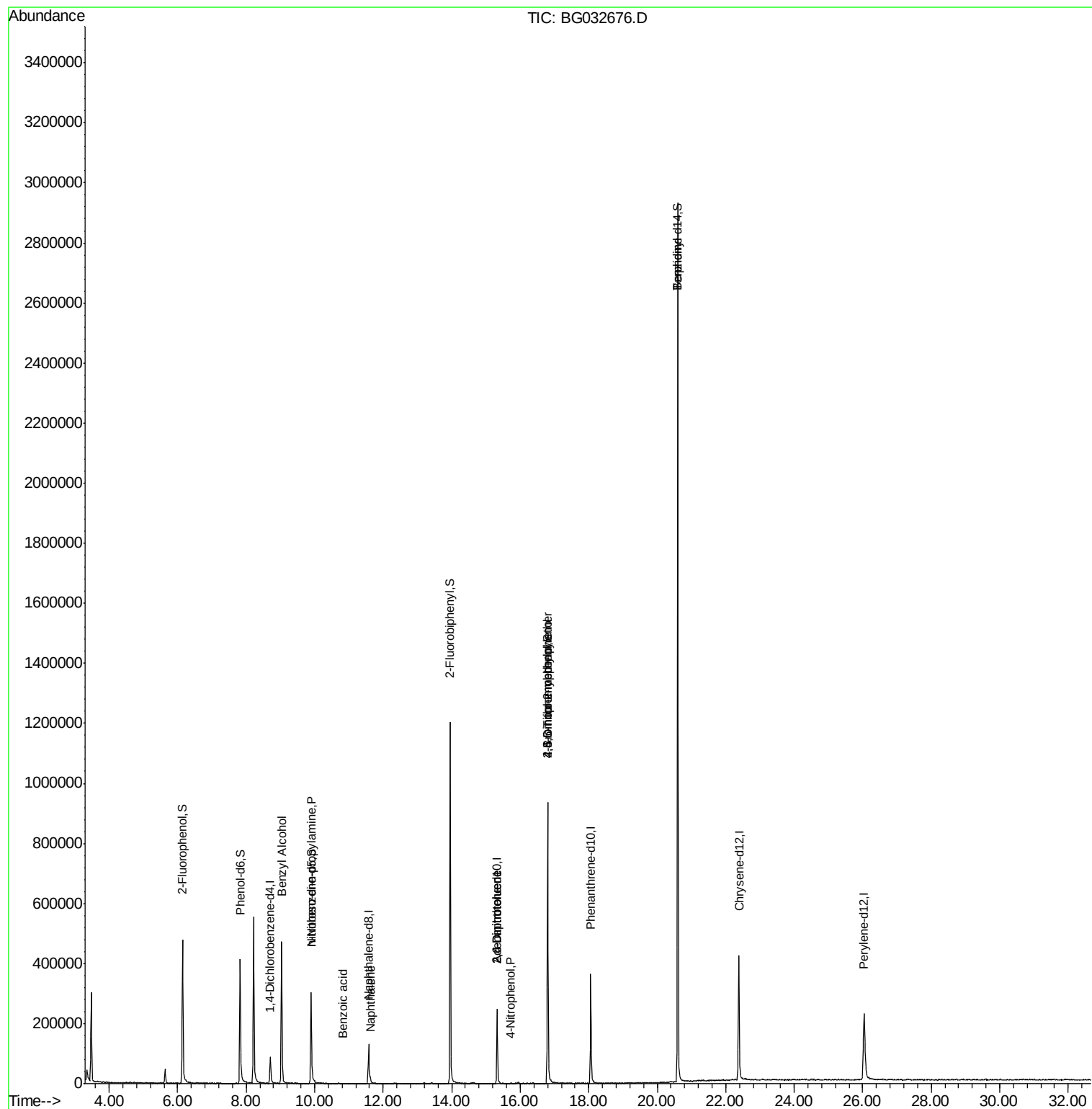
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	34309	20.00	ng	0.03
21) Naphthalene-d8	11.57	136	138041	20.00	ng	0.03
38) Acenaphthene-d10	15.32	164	102430	20.00	ng	0.01
63) Phenanthrene-d10	18.06	188	283461	20.00	ng	0.01
75) Chrysene-d12	22.38	240	358862	20.00	ng	0.01
86) Perylene-d12	26.05	264	350760	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	250906	146.73	ng	0.03
7) Phenol-d6	7.82	99	271249	116.00	ng	0.03
23) Nitrobenzene-d5	9.89	82	217498	100.14	ng	0.02
41) 2,4,6-Tribromophenol	16.80	330	222209	140.89	ng	0.01
44) 2-Fluorobiphenyl	13.95	172	759509	92.73	ng	0.02
78) Terphenyl-d14	20.60	244	1568378	99.61	ng	0.01
Target Compounds						
15) Benzyl Alcohol	9.03	79	4678	2.67	ng	# 44
19) n-Nitroso-di-n-propylamine	9.89	70	32553	20.71	ng	# 73
31) Naphthalene	11.62	128	18429	2.75	ng	# 89
32) Benzoic acid	10.83	122	397	4.67	ng	# 43
50) 2,6-Dinitrotoluene	15.33	165	13115	7.19	ng	# 20
55) 4-Nitrophenol	15.73	139	465	5.85	ng	# 1
56) 2,4-Dinitrotoluene	15.33	165	13115	5.22	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.80	198	549	5.26	ng	# 1
66) 4-Bromophenyl-phenylether	16.80	248	19646	4.84	ng	# 1
76) Benzidine	20.60	184	24646	2.92	ng	# 88

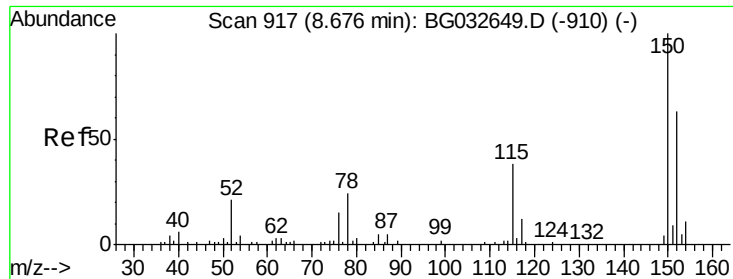
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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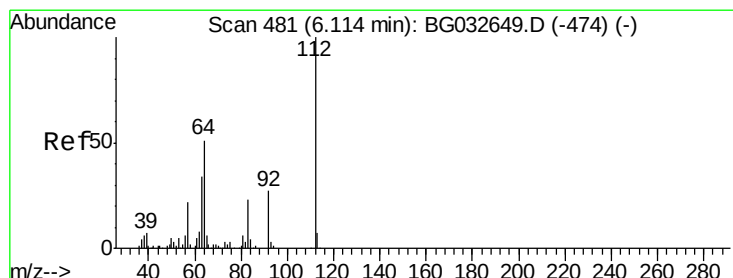
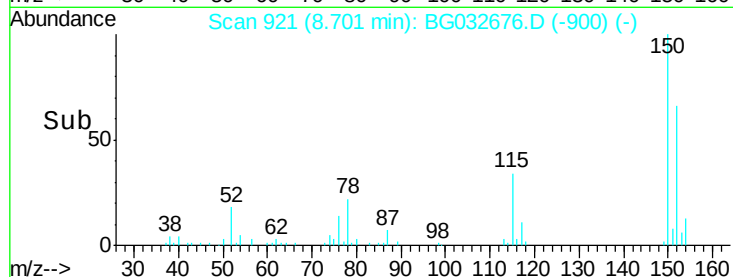
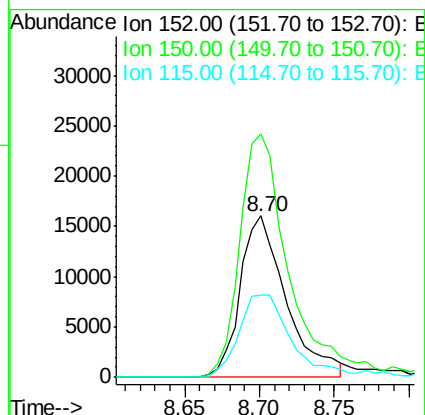
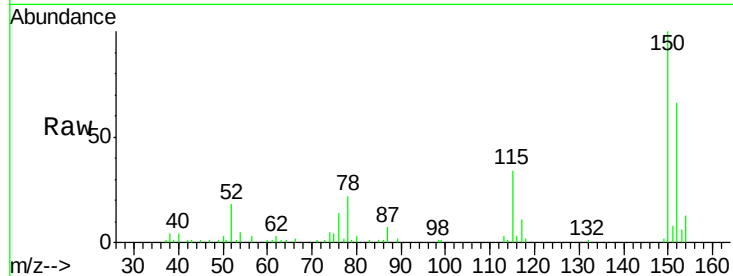


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.70 min Scan# 921
Delta R.T. 0.03 min
Lab File: BG032676.D
Acq: 14 Feb 2018 3:53

Instrument :
BNA_G
ClientSampleId :

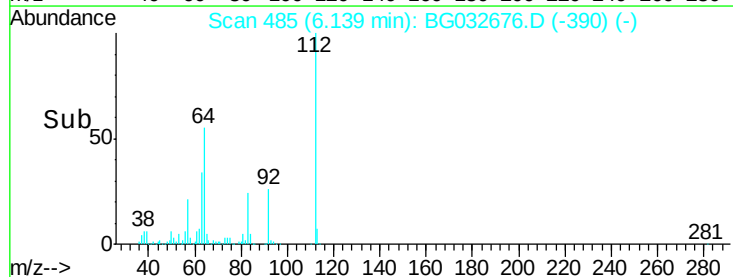
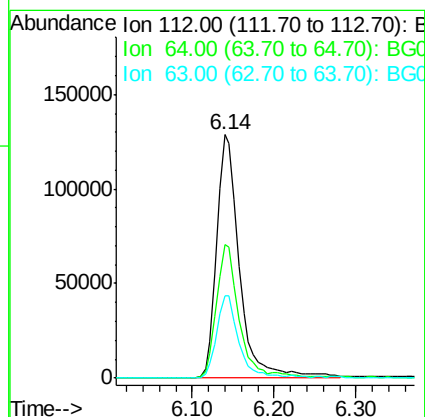
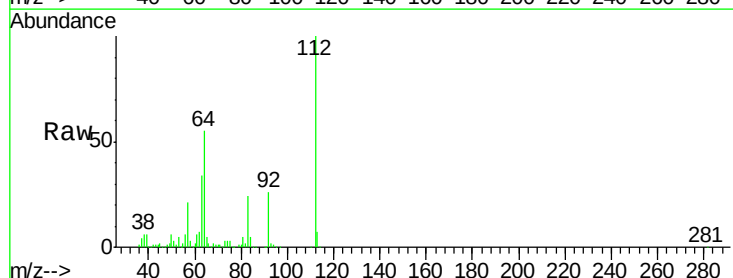
Tot Ion:152 Resp: 34309
Ion Ratio Lower Upper
152 100
150 150.6 126.6 189.8
115 51.2 53.0 79.4#

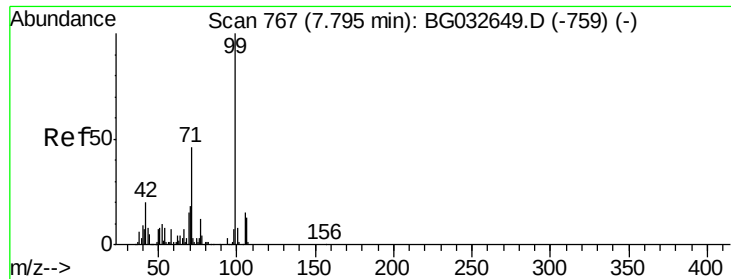


#5

2-Fluorophenol
Concen: 146.73 ng
RT: 6.14 min Scan# 485
Delta R.T. 0.03 min
Lab File: BG032676.D
Acq: 14 Feb 2018 3:53

Tgt Ion:112 Resp: 250906
Ion Ratio Lower Upper
112 100
64 55.0 56.3 84.5#
63 33.9 30.1 45.1





#7

Phenol-d6

Concen: 116.00 ng

RT: 7.82 min Scan# 771

Delta R.T. 0.03 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

Instrument :

BNA_G

ClientSampleId :

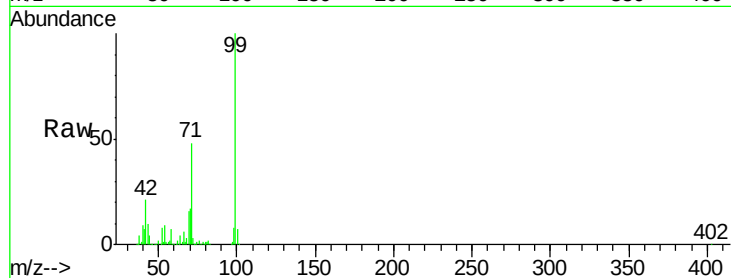
Tot Ion: 99 Resp: 271249

Ion Ratio Lower Upper

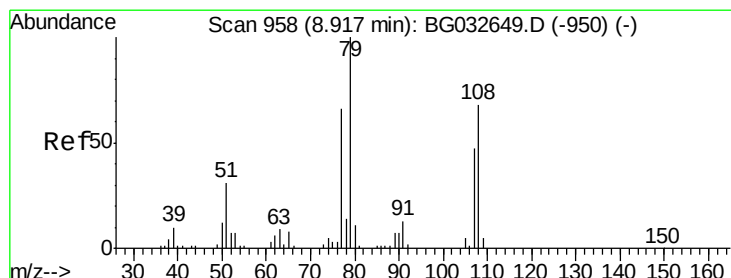
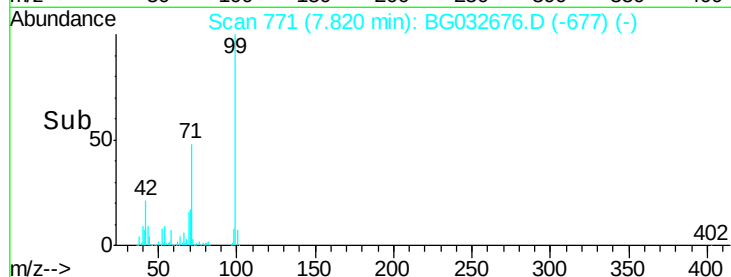
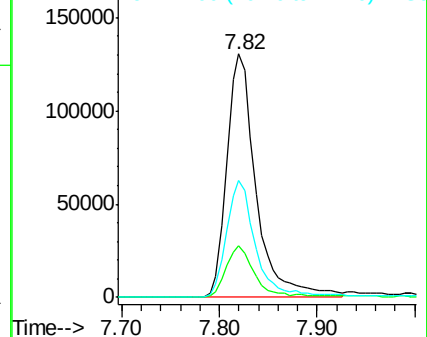
99 100

42 21.4 14.1 21.1#

71 47.9 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



#15

Benzyl Alcohol

Concen: 2.67 ng

RT: 9.03 min Scan# 977

Delta R.T. 0.11 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

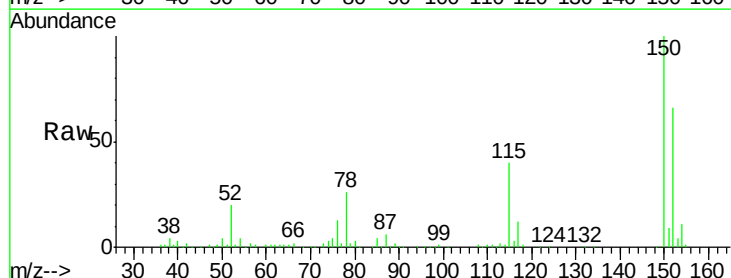
Tgt Ion: 79 Resp: 4678

Ion Ratio Lower Upper

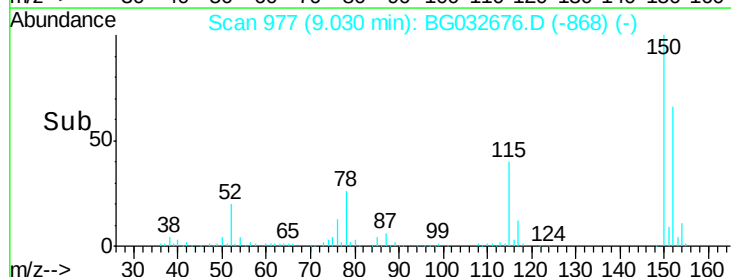
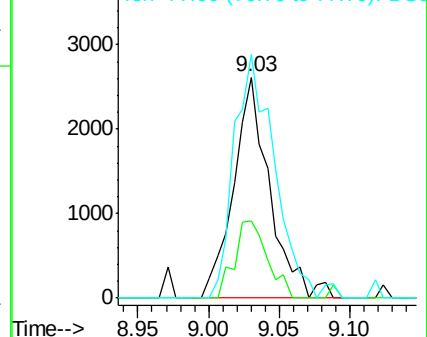
79 100

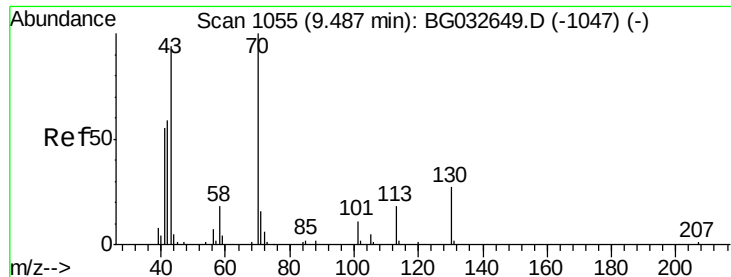
108 35.1 57.2 85.8#

77 110.1 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

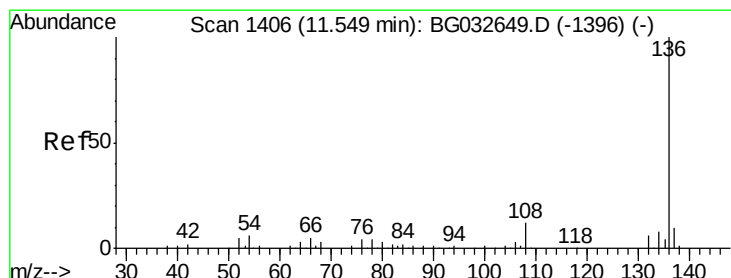
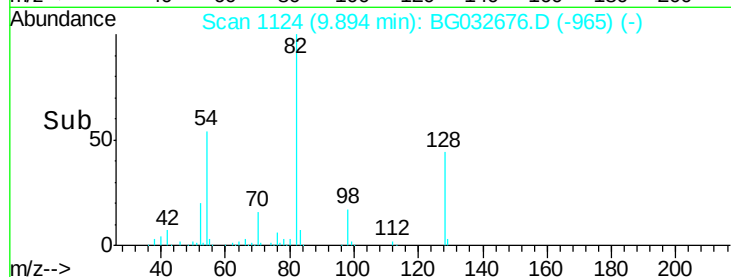
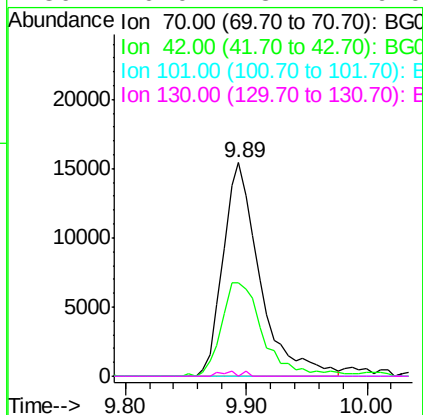
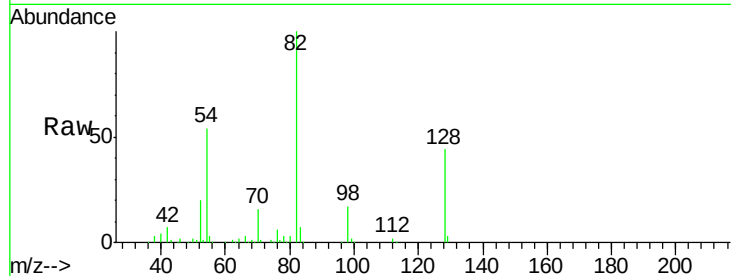




#19
n-Nitroso-di-n-propylamine
Concen: 20.71 ng
RT: 9.89 min Scan# 1124
Delta R.T. 0.41 min
Lab File: BG032676.D
Acq: 14 Feb 2018 3:53

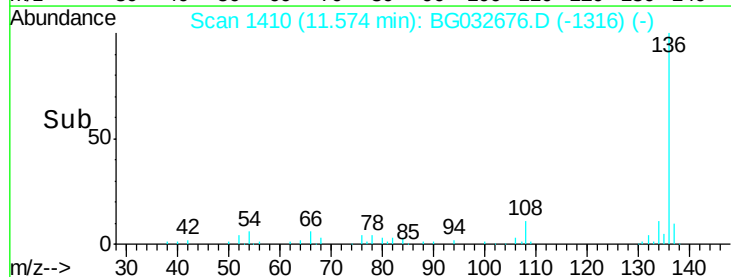
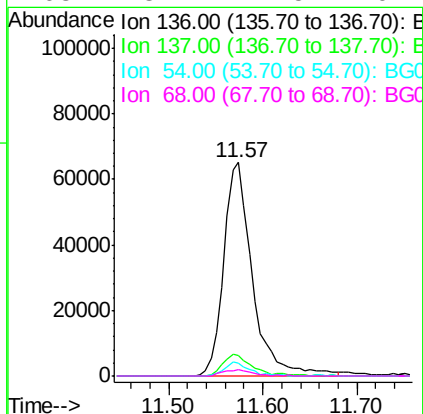
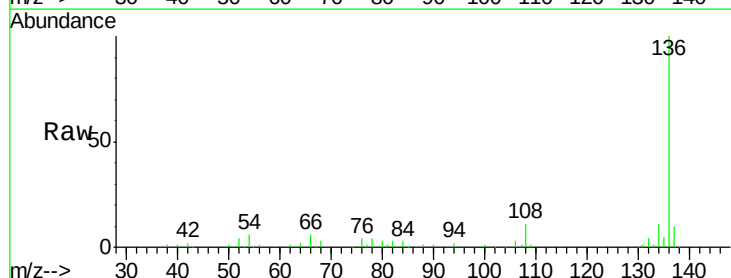
Instrument :
BNA_G
ClientSampleId :

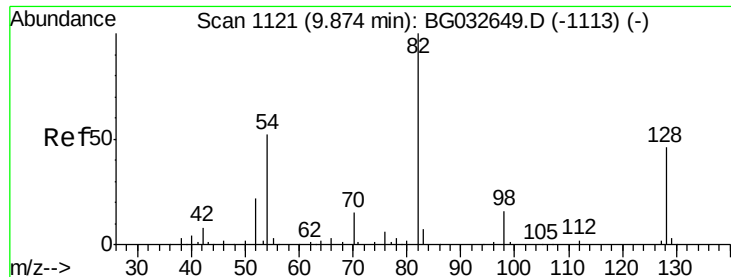
Tot Ion: 70 Resp: 32553
Ion Ratio Lower Upper
70 100
42 43.5 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.57 min Scan# 1410
Delta R.T. 0.03 min
Lab File: BG032676.D
Acq: 14 Feb 2018 3:53

Tgt Ion: 136 Resp: 138041
Ion Ratio Lower Upper
136 100
137 9.6 9.2 13.8
54 6.4 10.3 15.5#
68 3.1 4.5 6.7#

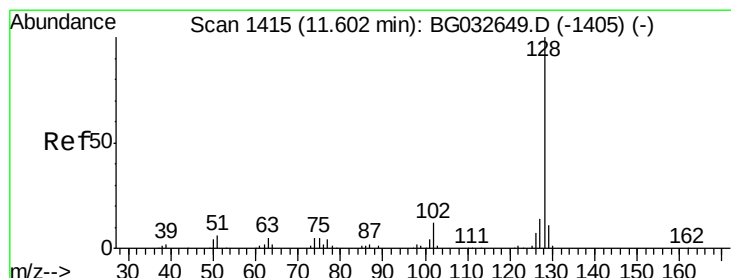
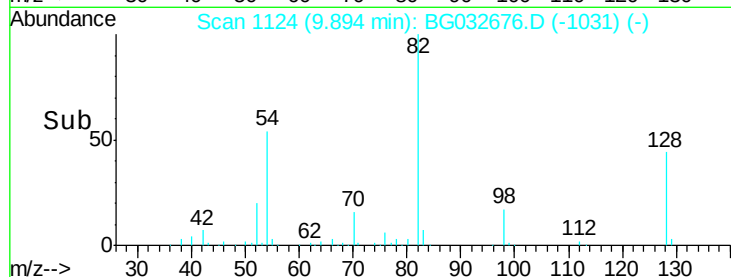
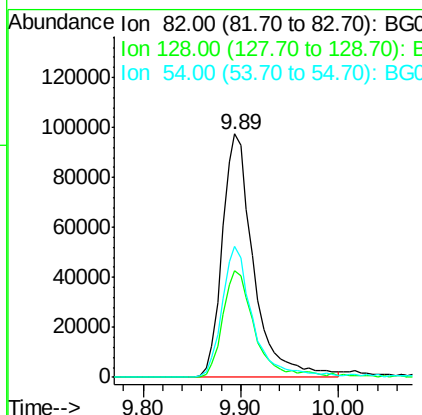
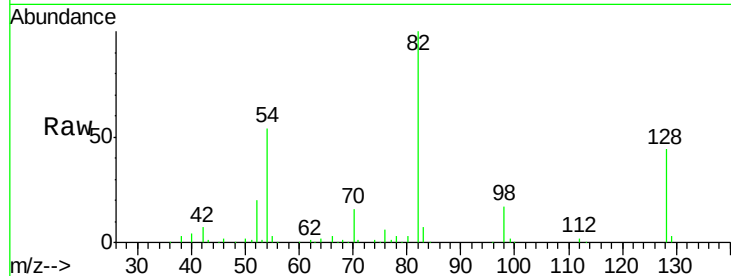




#23
 Nitrobenzene-d5
 Concen: 100.14 ng
 RT: 9.89 min Scan# 1124
 Delta R.T. 0.02 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

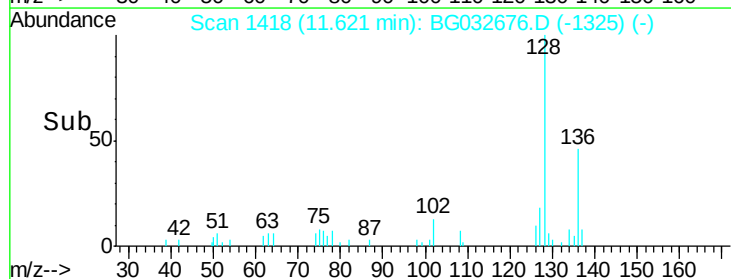
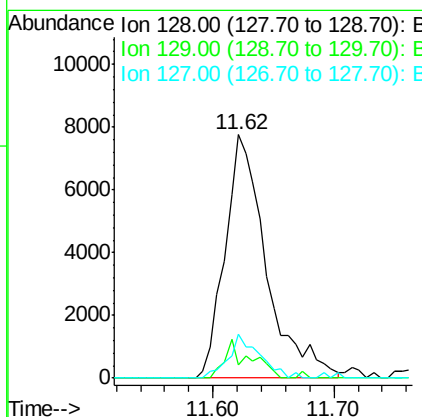
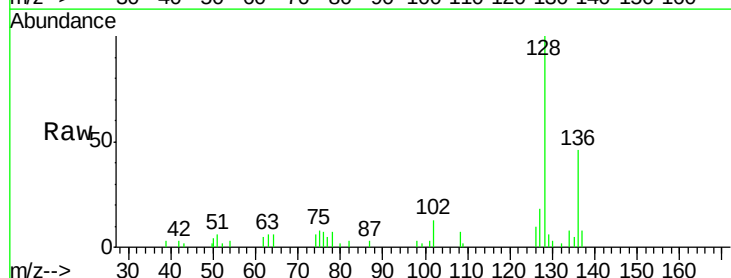
Instrument :
 BNA_G
 ClientSampleID :

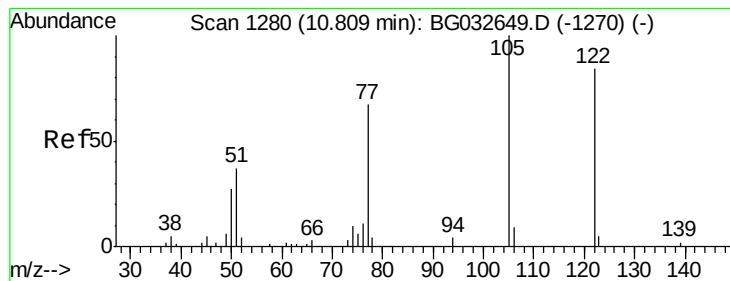
Tot Ion	82	Resp	217498
Ion Ratio	100	Lower	Upper
128	44.1	29.7	44.5
54	53.8	43.1	64.7



#31
 Naphthalene
 Concen: 2.75 ng
 RT: 11.62 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

Tgt Ion	128	Resp	18429
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	5.6	8.6	12.8#
127	18.0	11.6	17.4#





#32

Benzoic acid

Concen: 4.67 ng

RT: 10.83 min Scan# 1284

Delta R.T. 0.03 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

Instrument :

BNA_G

ClientSampleId :

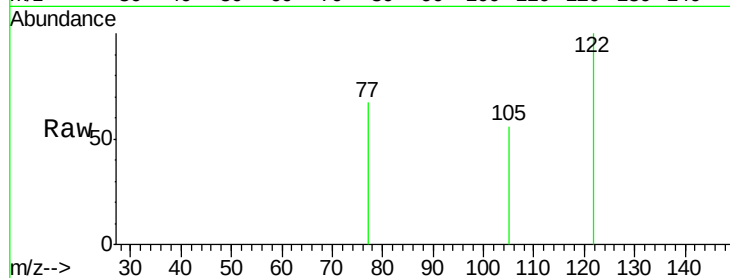
Tot Ion:122 Resp: 397

Ion Ratio Lower Upper

122 100

105 56.3 123.5 163.5#

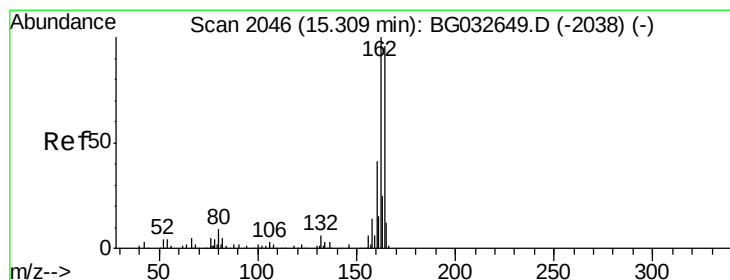
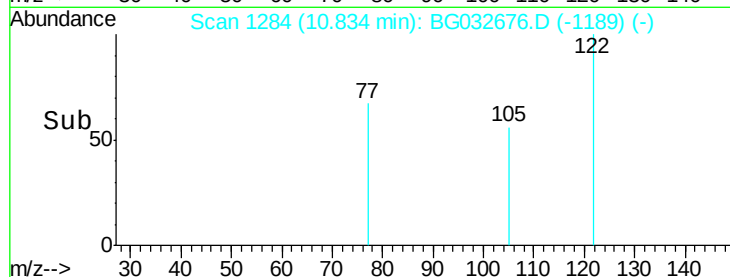
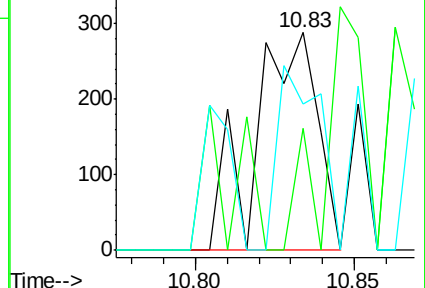
77 67.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.32 min Scan# 2048

Delta R.T. 0.01 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

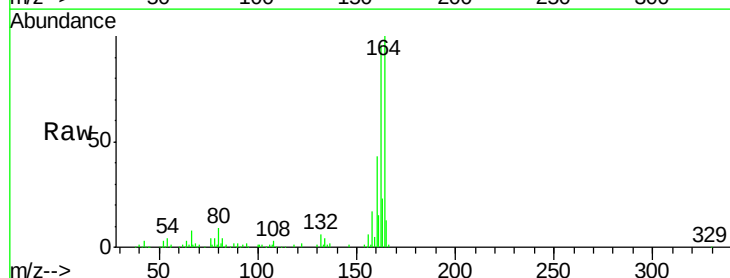
Tgt Ion:164 Resp: 102430

Ion Ratio Lower Upper

164 100

162 96.5 78.8 118.2

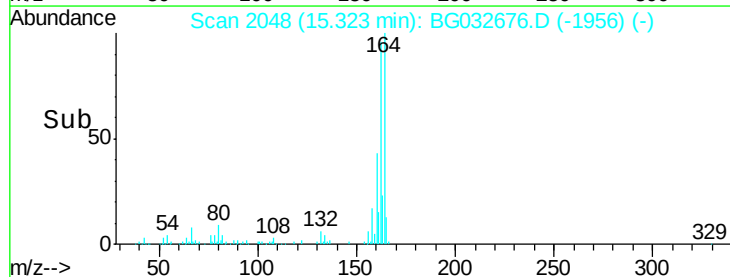
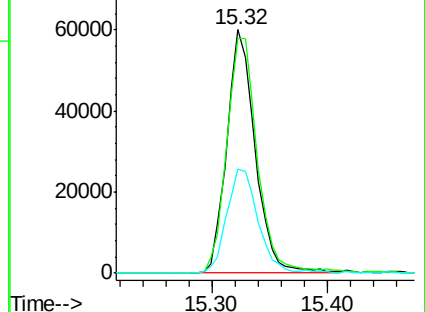
160 42.8 35.4 53.0

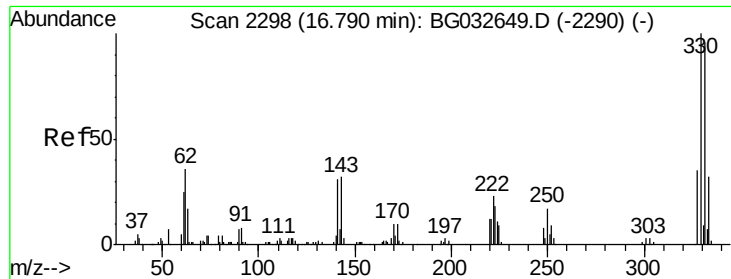


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

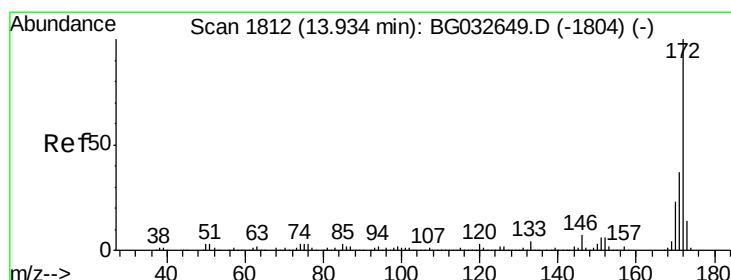
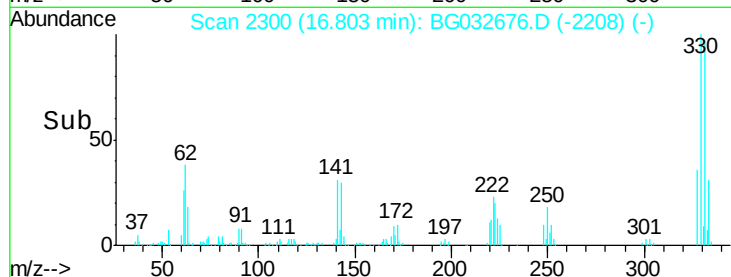
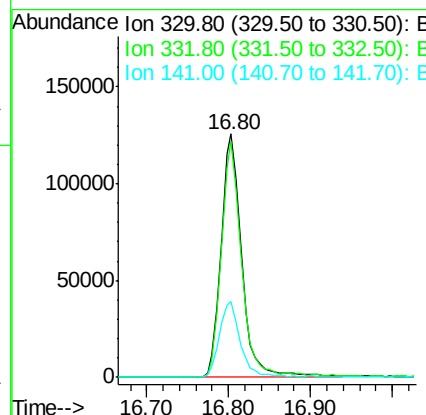
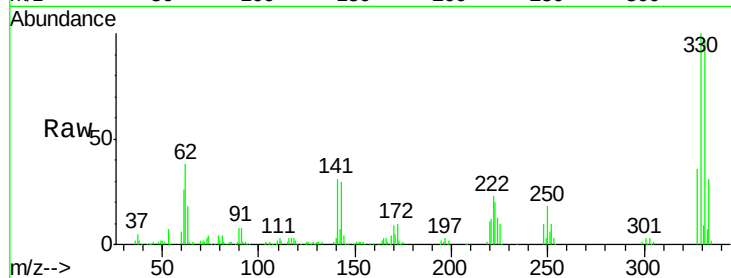




#41
 2,4,6-Tribromophenol
 Concen: 140.89 ng
 RT: 16.80 min Scan# 2300
 Delta R.T. 0.01 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

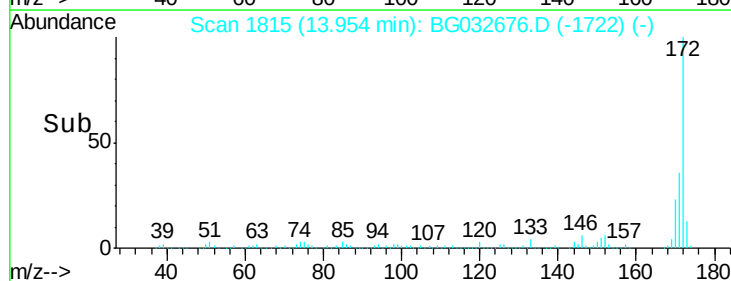
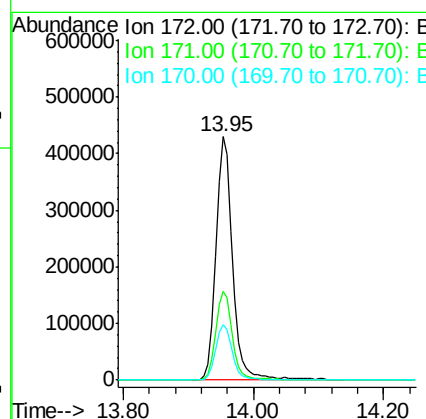
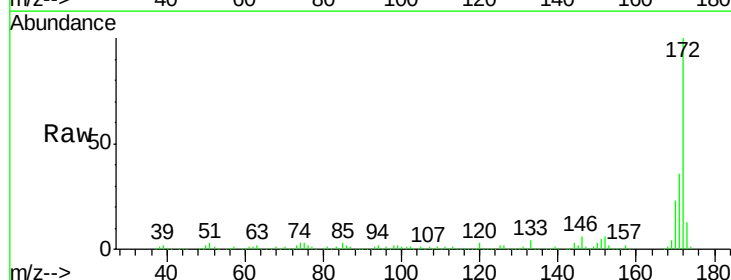
Instrument :
 BNA_G
 ClientSampleId :

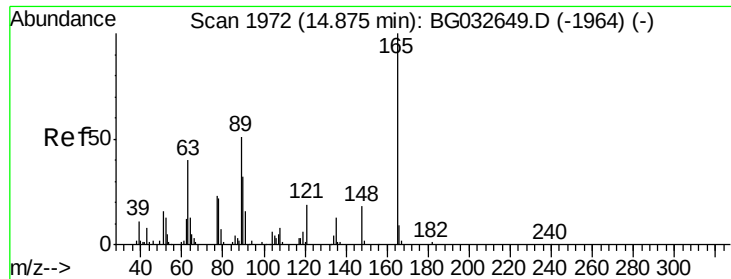
Tot Ion	Ratio	Lower	Upper
330	100		
332	92.6	77.0	115.6
141	31.5	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 92.73 ng
 RT: 13.95 min Scan# 1815
 Delta R.T. 0.02 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.0	45.0
170	23.0	19.5	29.3

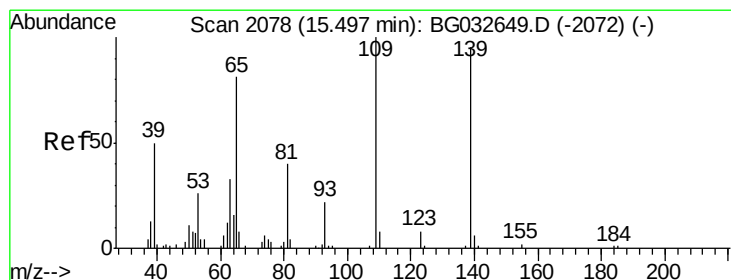
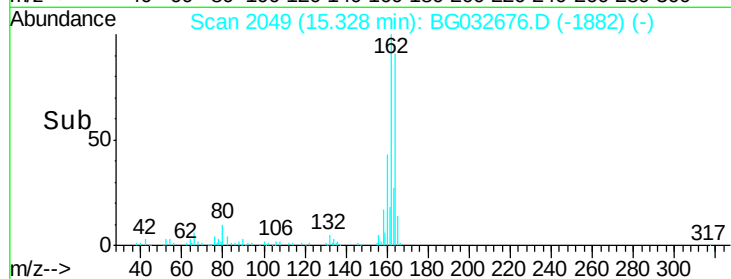
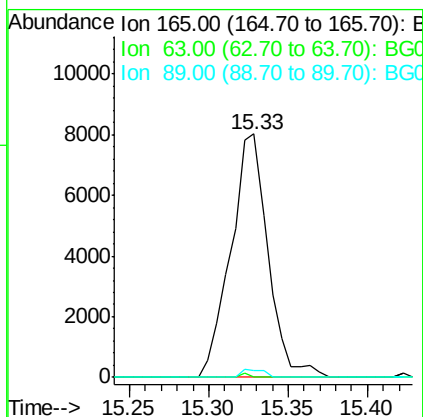
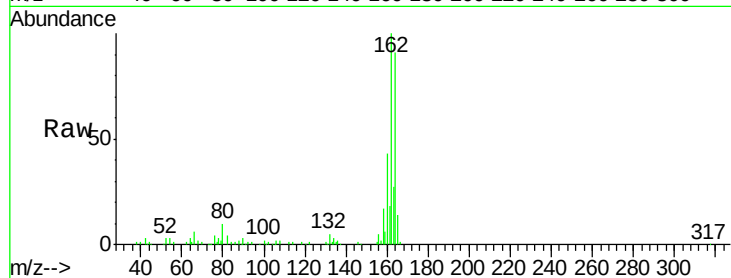




#50
2,6-Dinitrotoluene
Concen: 7.19 ng
RT: 15.33 min Scan# 2049
Delta R.T. 0.45 min
Lab File: BG032676.D
Acq: 14 Feb 2018 3:53

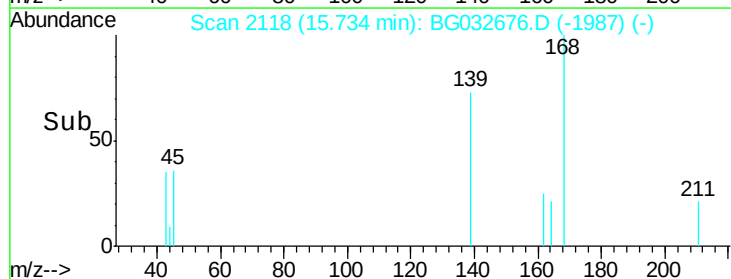
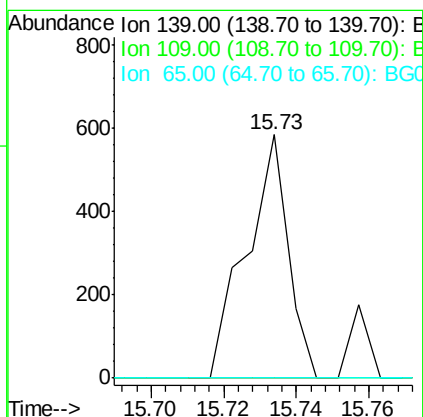
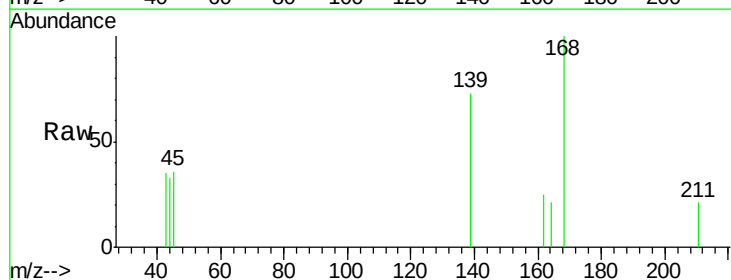
Instrument :
BNA_G
ClientSampled :

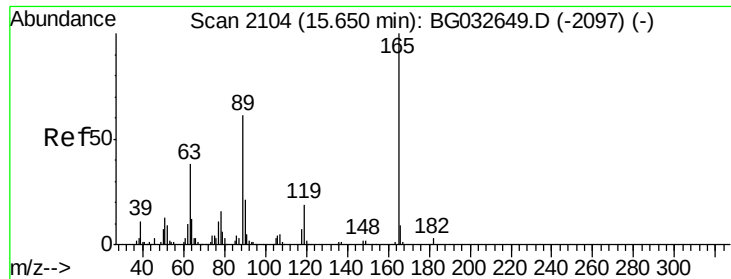
Tot Ion:165 Resp: 13115
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.6 49.2 73.8#



#55
4-Nitrophenol
Concen: 5.85 ng
RT: 15.73 min Scan# 2118
Delta R.T. 0.24 min
Lab File: BG032676.D
Acq: 14 Feb 2018 3:53

Tgt Ion:139 Resp: 465
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

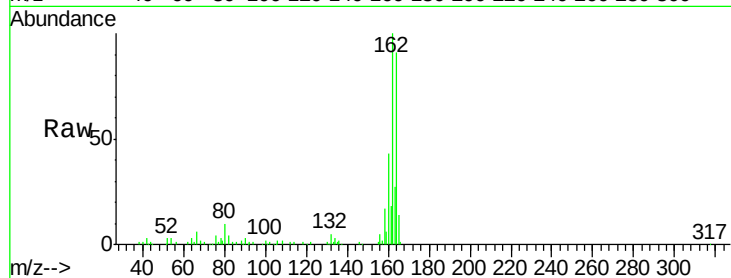




#56
 2,4-Dinitrotoluene
 Concen: 5.22 ng
 RT: 15.33 min Scan# 2049
 Delta R.T. -0.32 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

Instrument :
 BNA_G
 ClientSampleId :

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



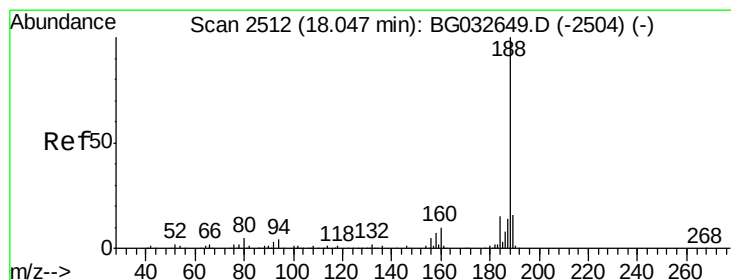
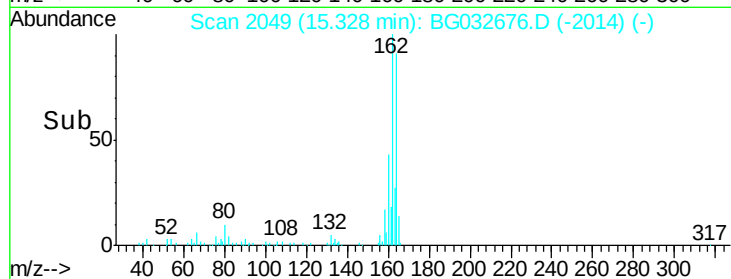
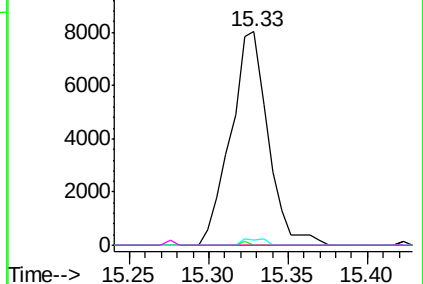
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

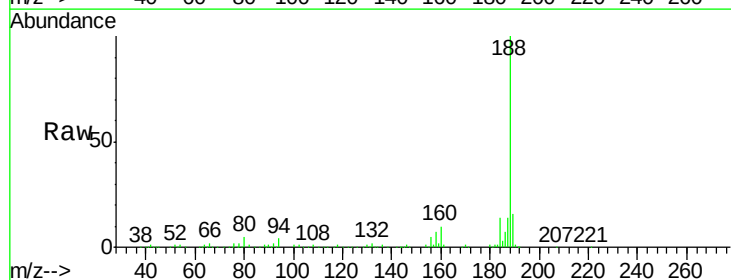
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.06 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.2	6.9	10.3#
80	4.6	7.7	11.5#

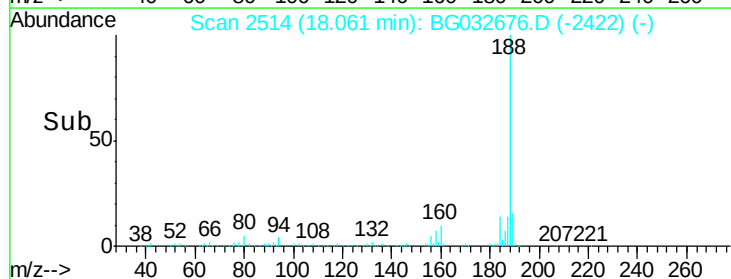
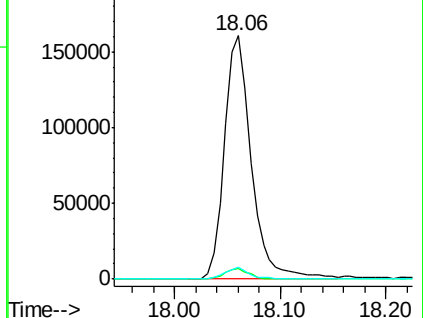


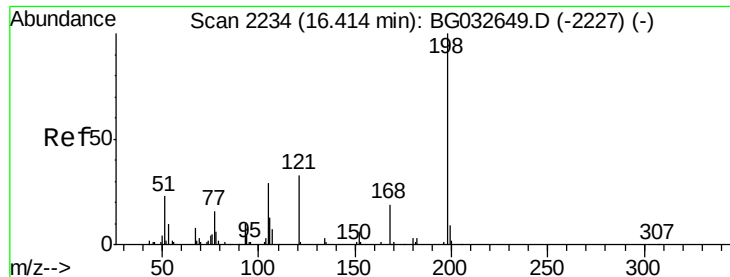
Abundance

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: 5.26 ng

RT: 16.80 min Scan# 2300

Delta R.T. 0.39 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

Instrument :

BNA_G

ClientSampled :

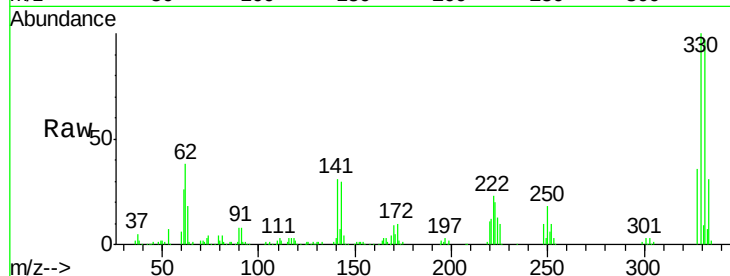
Tot Ion:198 Resp: 549

Ion Ratio Lower Upper

198 100

51 151.4 30.6 70.6#

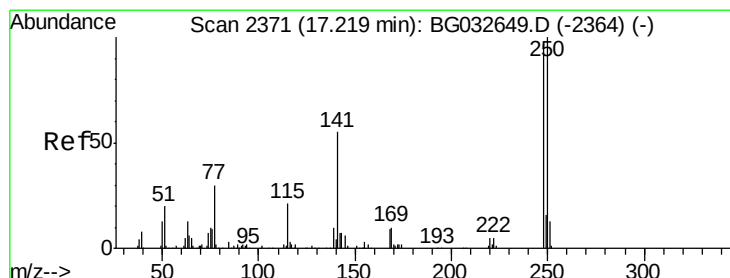
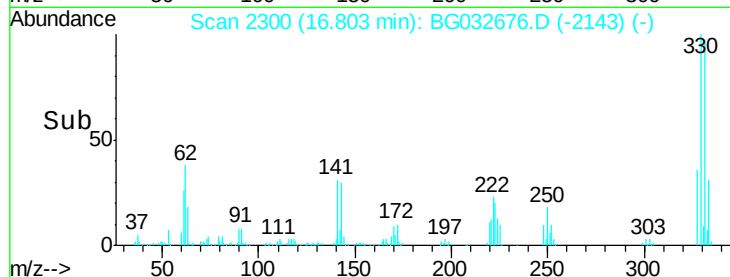
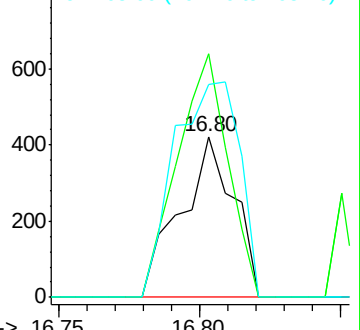
105 132.2 23.8 63.8#



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: 4.84 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.42 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

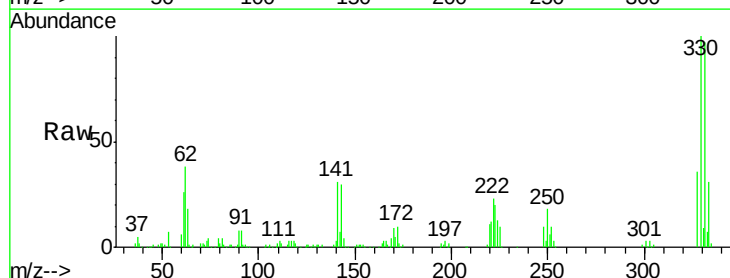
Tgt Ion:248 Resp: 19646

Ion Ratio Lower Upper

248 100

250 189.4 77.1 115.7#

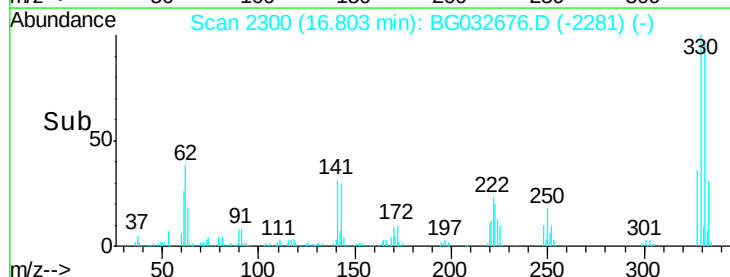
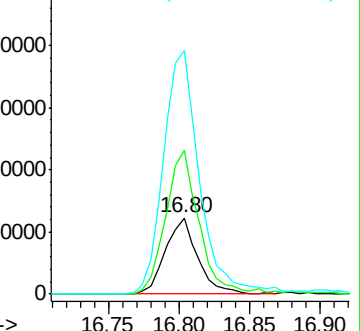
141 319.5 50.8 76.2#

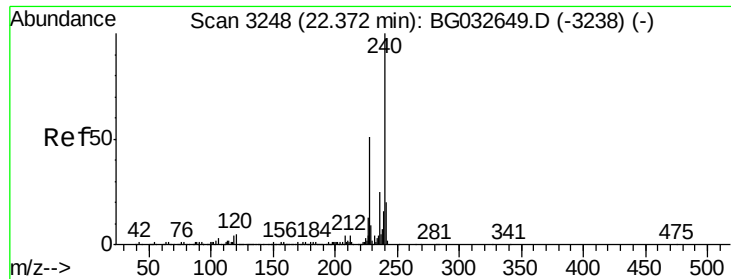


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.38 min Scan# 3250

Delta R.T. 0.01 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

Instrument :

BNA_G

ClientSampleId :

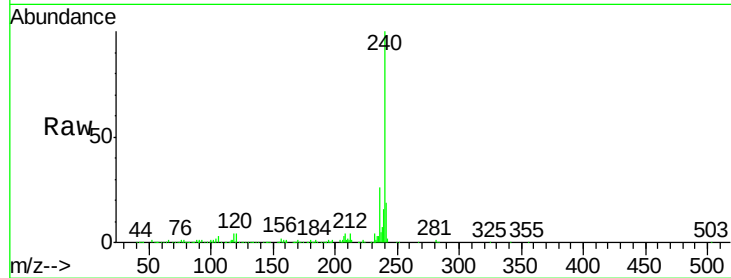
Tot Ion:240 Resp: 358862

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

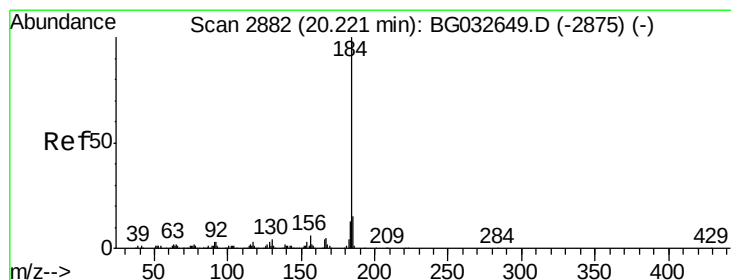
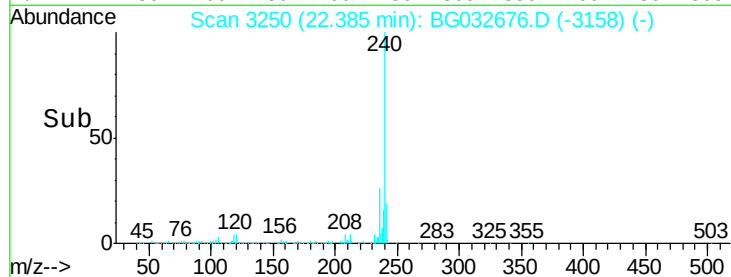
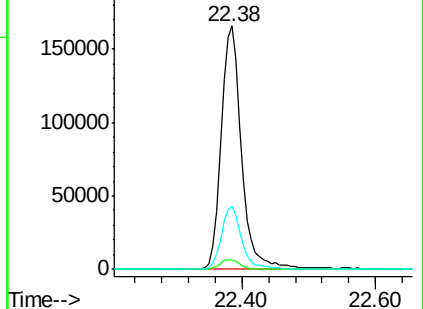
236 25.9 20.9 31.3



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: 2.92 ng

RT: 20.60 min Scan# 2946

Delta R.T. 0.38 min

Lab File: BG032676.D

Acq: 14 Feb 2018 3:53

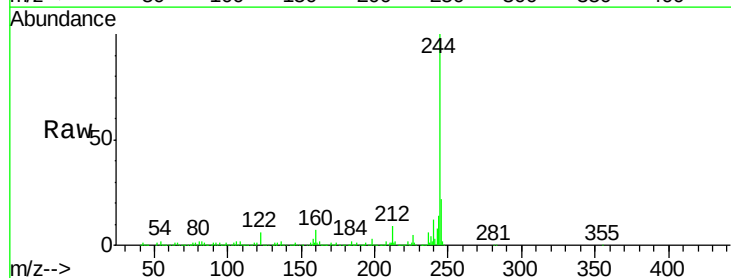
Tgt Ion:184 Resp: 24646

Ion Ratio Lower Upper

184 100

185 19.9 11.1 16.7#

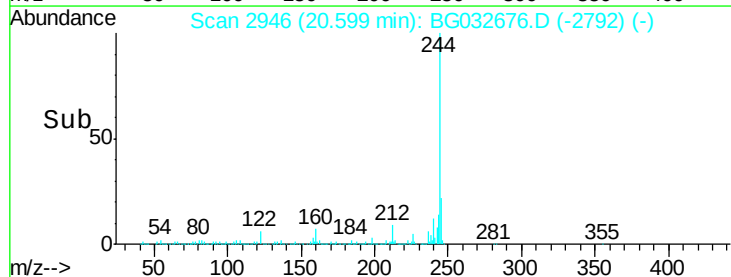
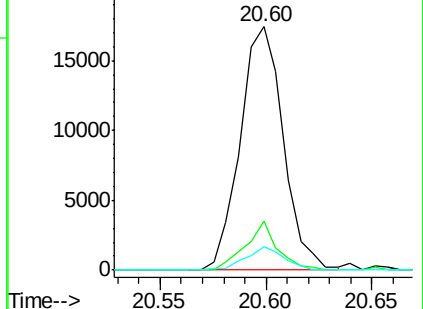
183 9.4 10.6 16.0#

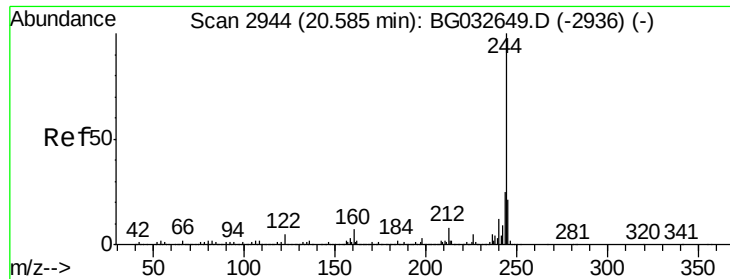


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

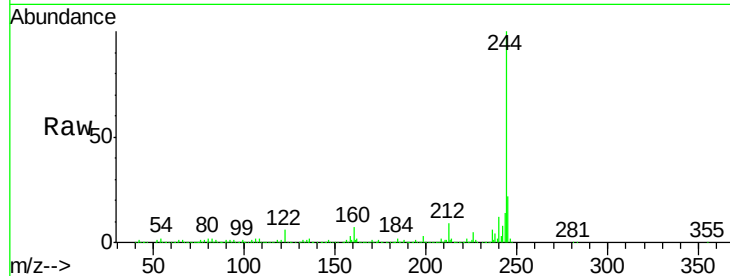




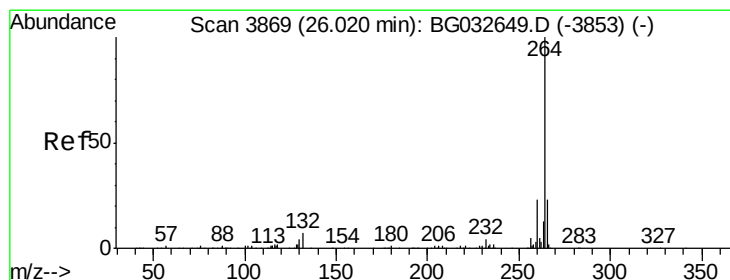
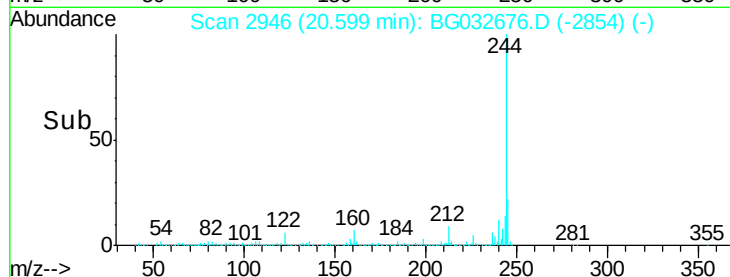
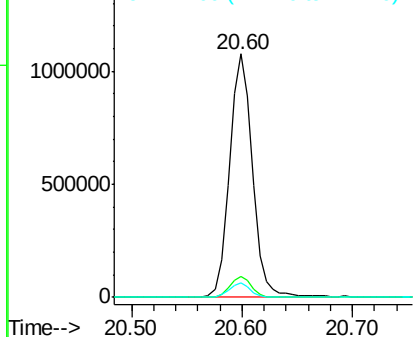
#78
 Terphenyl-d14
 Concen: 99.61 ng
 RT: 20.60 min Scan# 2946
 Delta R.T. 0.01 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1568378
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.8 8.8
 122 5.9 7.0 10.4#

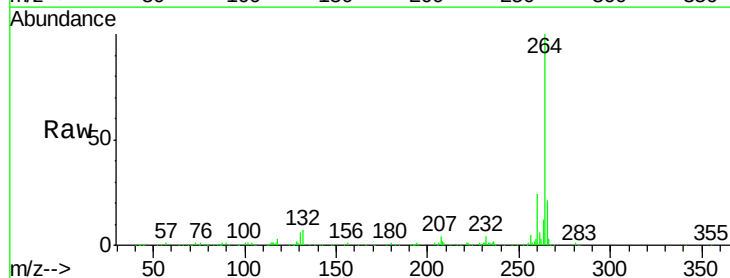


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 26.05 min Scan# 3873
 Delta R.T. 0.03 min
 Lab File: BG032676.D
 Acq: 14 Feb 2018 3:53

Tgt Ion:264 Resp: 350760
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.4 26.0
 265 21.3 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

