

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\
 Data File : BG033780.D
 Acq On : 12 Apr 2018 19:55
 Operator : SJ/JU
 Sample : J2307-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 13 02:22:05 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	40101	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	156320	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	109799	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	285472	20.00	ng	0.00
75) Chrysene-d12	22.55	240	304154	20.00	ng	0.00
86) Perylene-d12	26.30	264	319656	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.29	112	340599	159.26	ng	0.00
7) Phenol-d6	7.97	99	439107	119.50	ng	0.00
23) Nitrobenzene-d5	10.06	82	353464	103.89	ng	0.00
41) 2,4,6-Tribromophenol	16.94	330	230559	140.40	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	763473	100.38	ng	0.00
78) Terphenyl-d14	20.72	244	1451061	102.03	ng	0.00

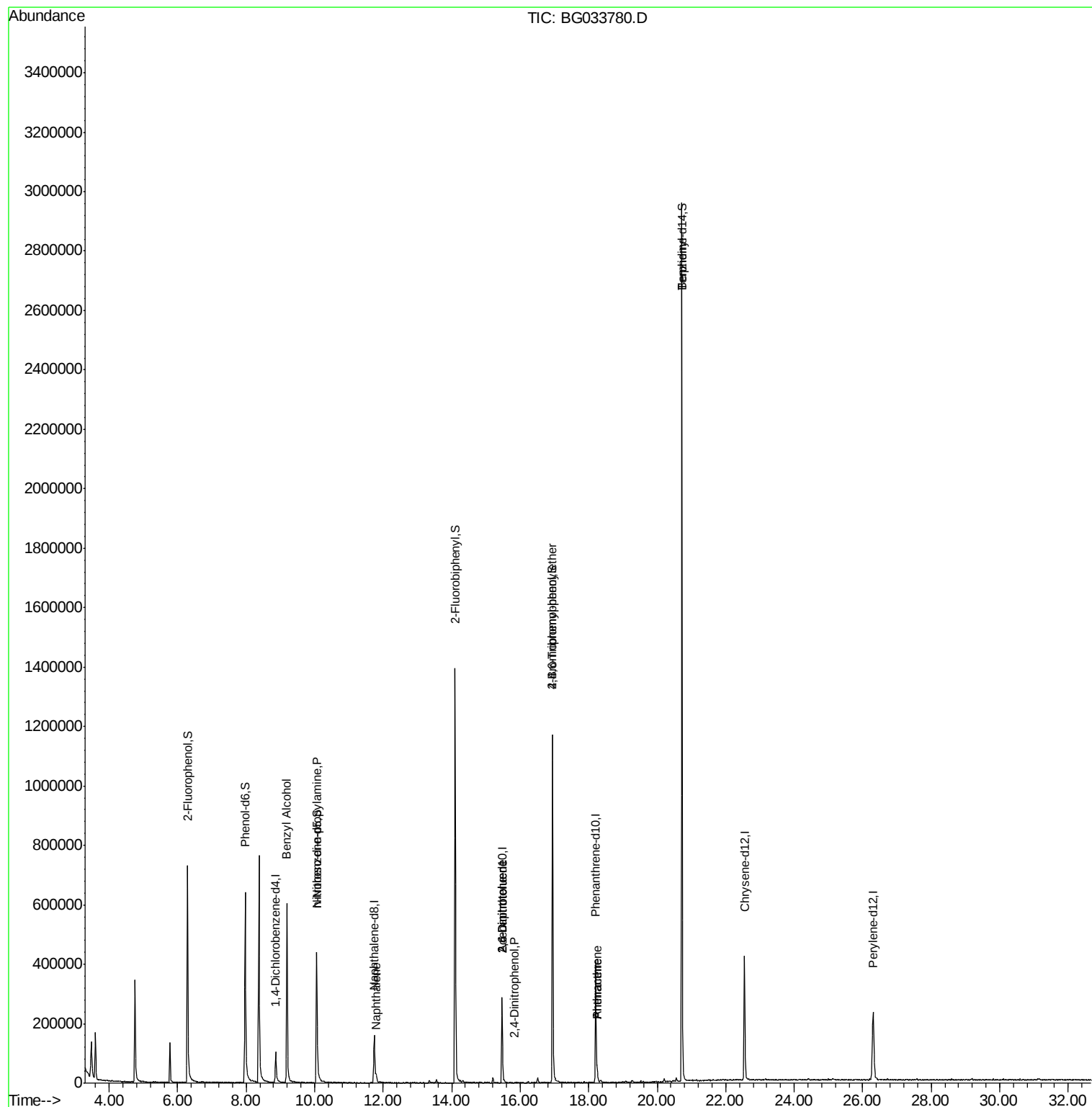
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.18	79	5945	2.055	ng	# 60
19) n-Nitroso-di-n-propylamine	10.06	70	49216	18.279	ng	# 78
31) Naphthalene	11.79	128	21137	2.609	ng	# 96
50) 2,6-Dinitrotoluene	15.48	165	14007	7.169	ng	# 22
53) 2,4-Dinitrophenol	15.83	184	76	7.711	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	14007	4.869	ng	# 20
66) 4-Bromophenyl-phenylether	16.94	248	17570	5.241	ng	# 1
70) Phenanthrene	18.24	178	38139	2.565	ng	# 95
71) Anthracene	18.24	178	38139	2.534	ng	# 95
76) Benzidine	20.72	184	24834	3.011	ng	# 87

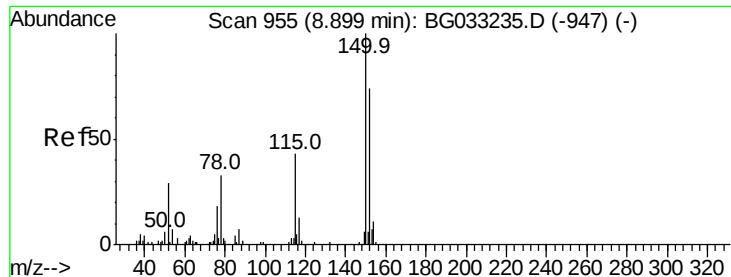
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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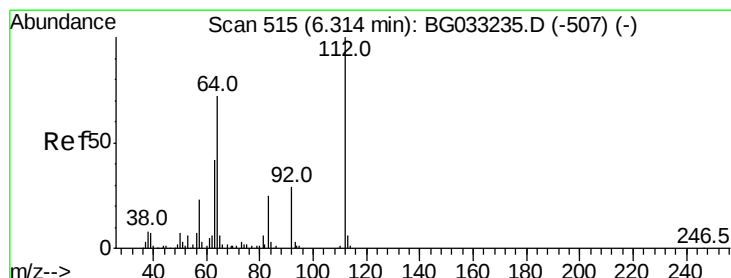
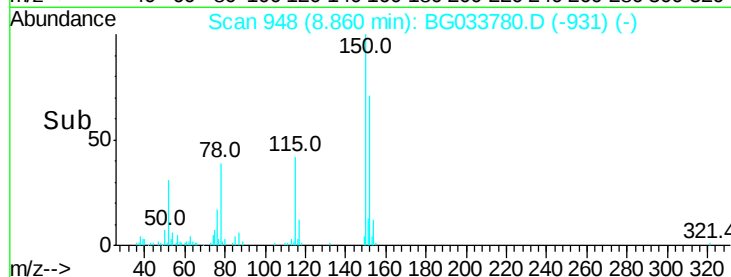
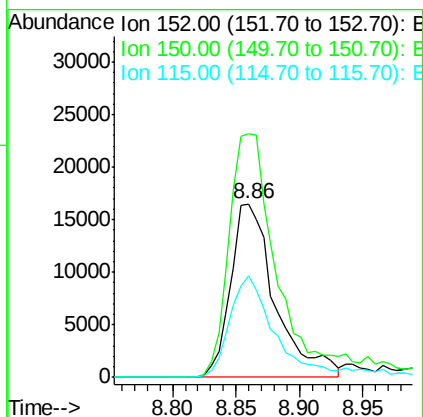
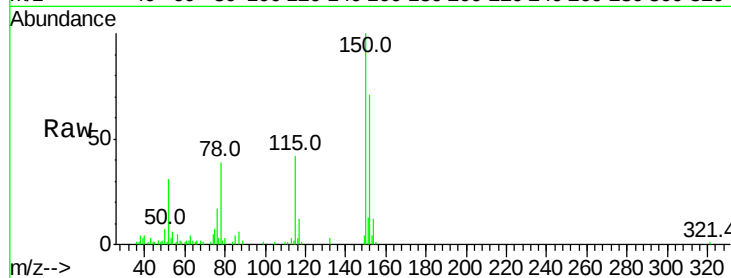


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

Instrument :
BNA_G
ClientSampleId :

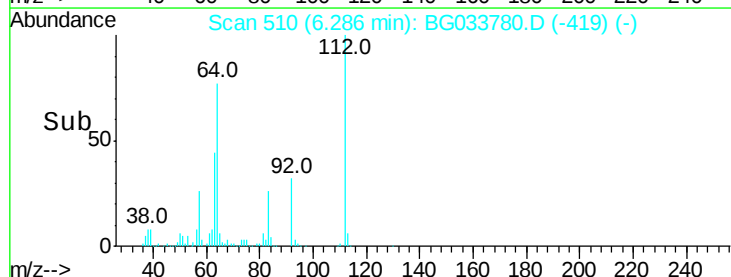
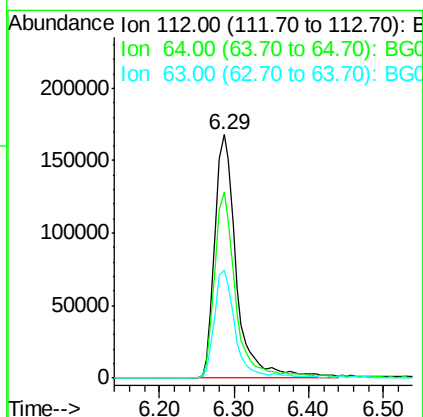
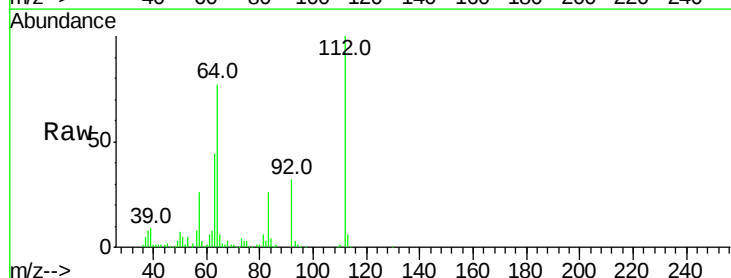
Tot Ion	Ratio	Lower	Upper
152	100		
150	140.1	126.6	189.8
115	58.4	53.0	79.4

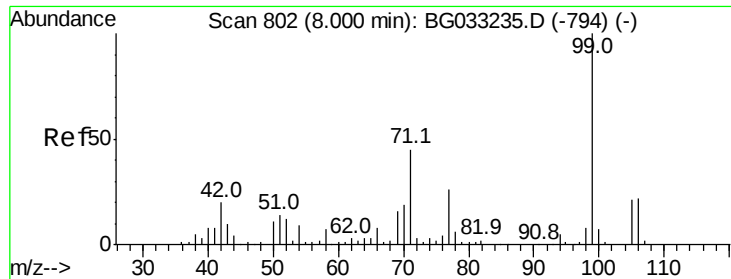


#5

2-Fluorophenol
Concen: 159.264 ng
RT: 6.29 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.6	56.3	84.5
63	44.4	30.1	45.1





#7

Phenol-d6

Concen: 119.500 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Instrument :

BNA_G

ClientSampleId :

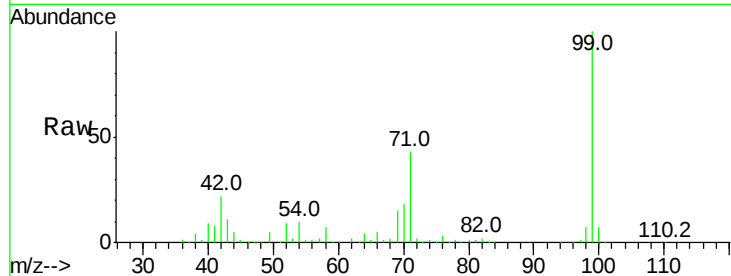
Tot Ion: 99 Resp: 439107

Ion Ratio Lower Upper

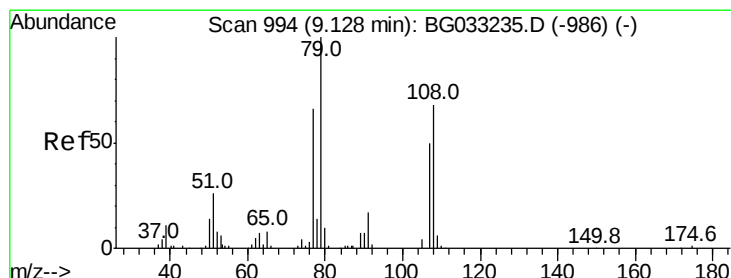
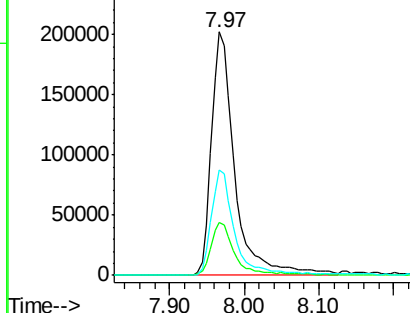
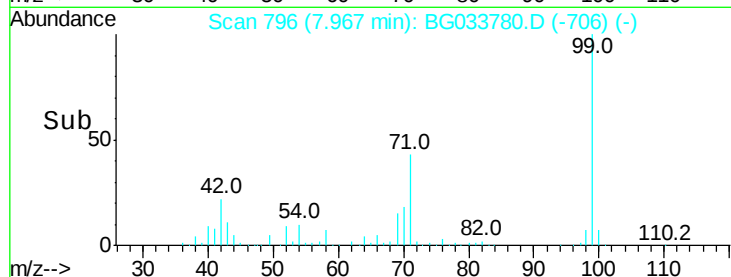
99 100

42 21.6 14.1 21.1#

71 43.0 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.055 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.09 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

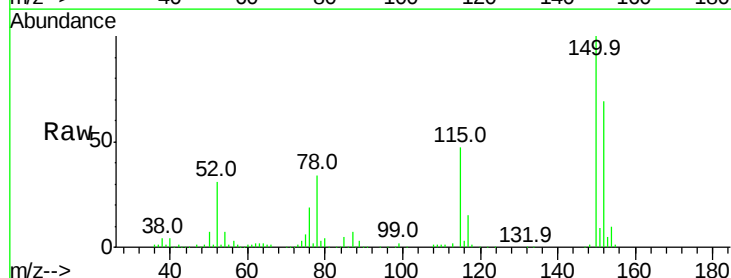
Tgt Ion: 79 Resp: 5945

Ion Ratio Lower Upper

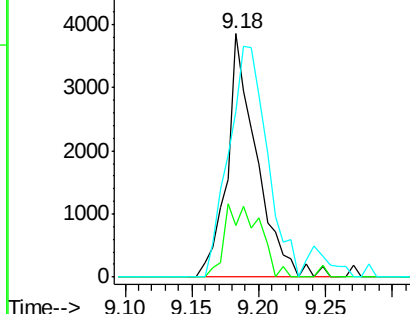
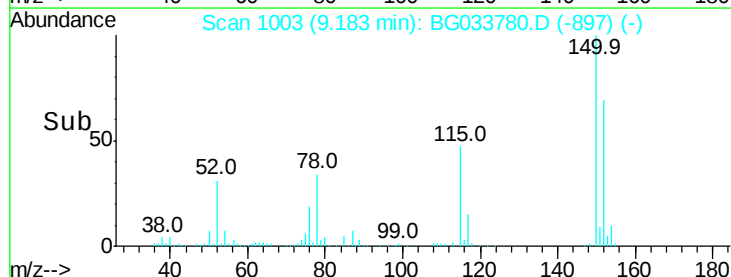
79 100

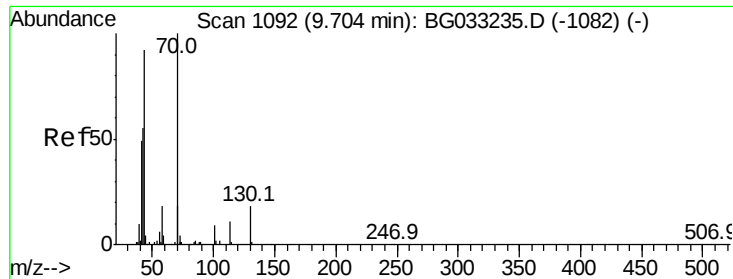
108 21.3 57.2 85.8#

77 68.0 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

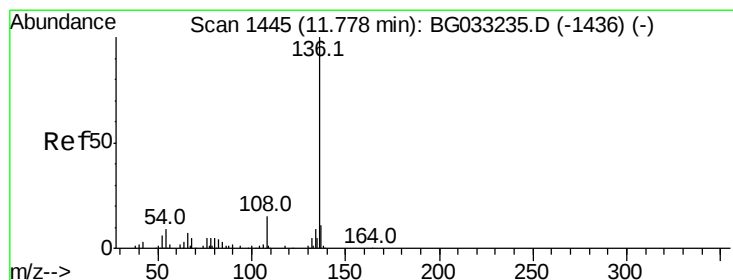
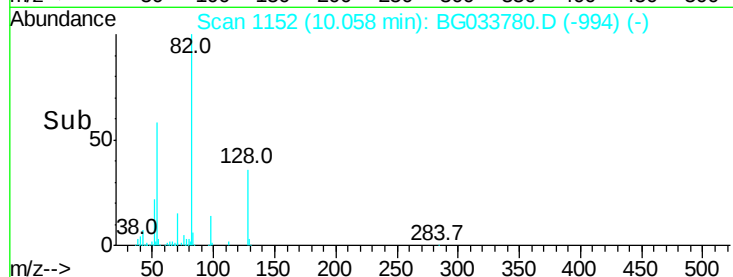
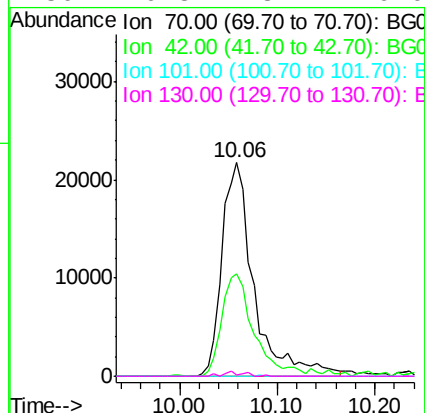
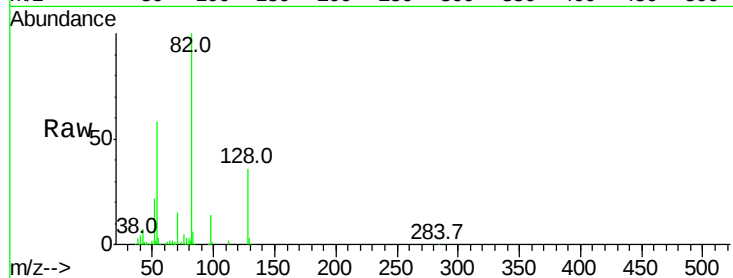




#19
n-Nitroso-di-n-propylamine
Concen: 18.279 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.40 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

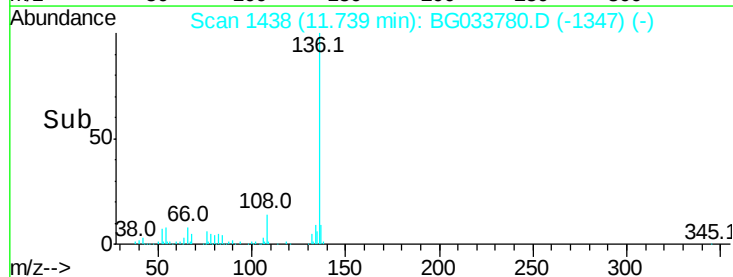
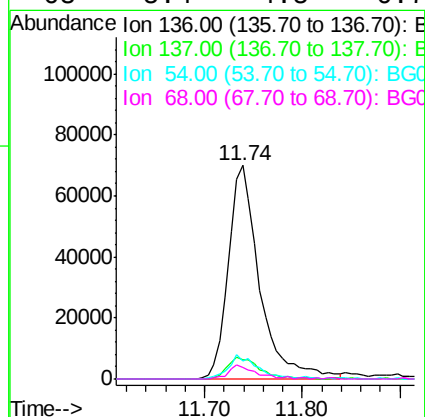
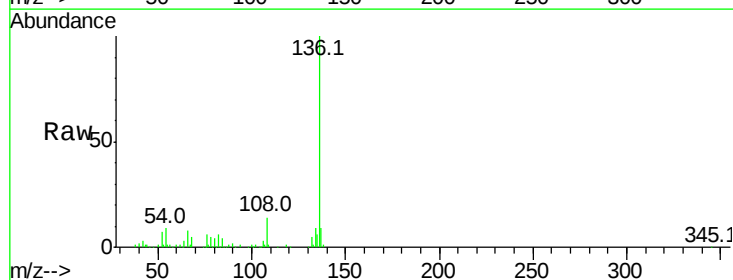
Instrument :
BNA_G
ClientSampleId :

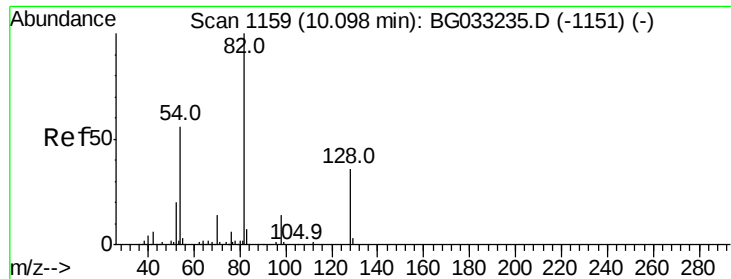
Tot Ion: 70 Resp: 49216
Ion Ratio Lower Upper
70 100
42 48.2 49.1 73.7#
101 0.0 8.5 12.7#
130 0.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

Tgt Ion: 136 Resp: 156320
Ion Ratio Lower Upper
136 100
137 9.2 9.2 13.8
54 8.7 10.3 15.5#
68 5.4 4.5 6.7

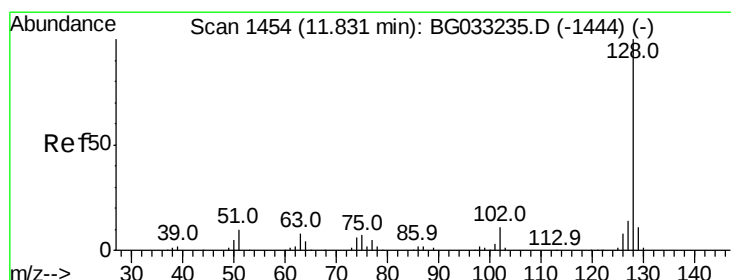
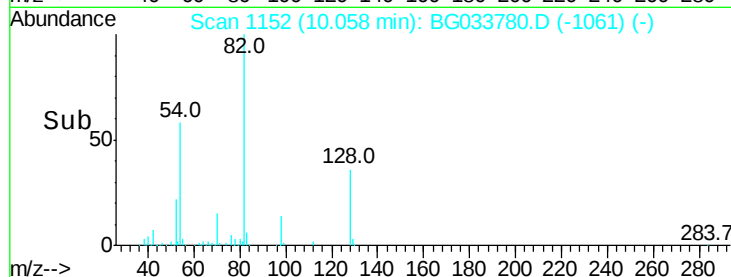
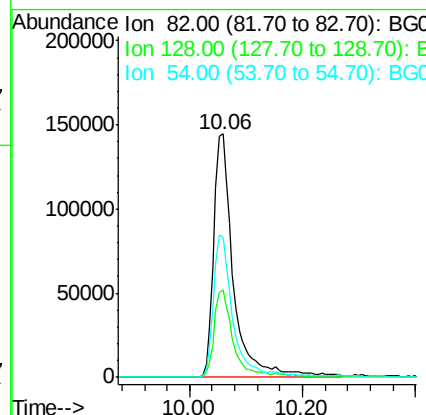
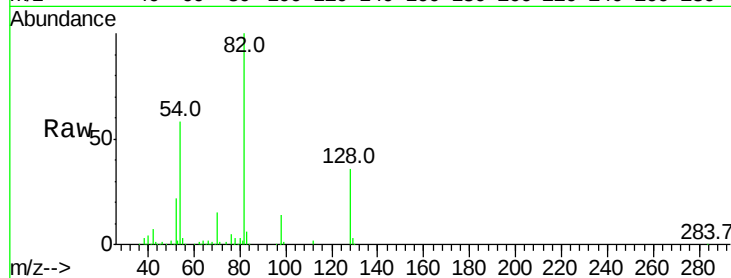




#23
Nitrobenzene-d5
Concen: 103.887 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

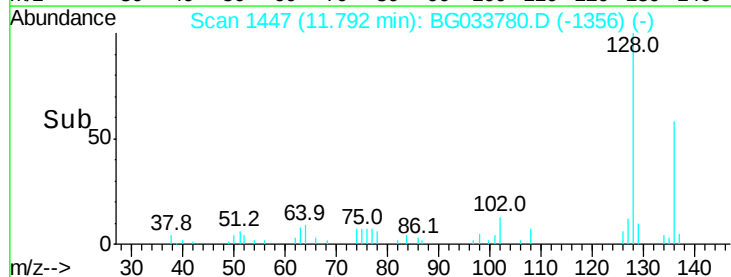
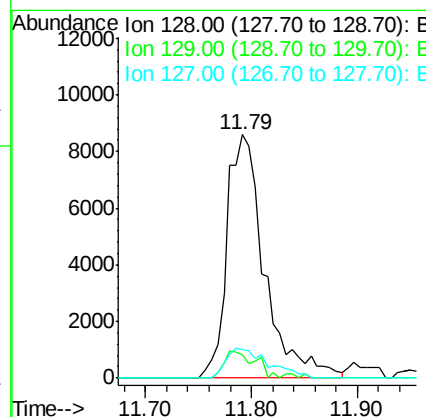
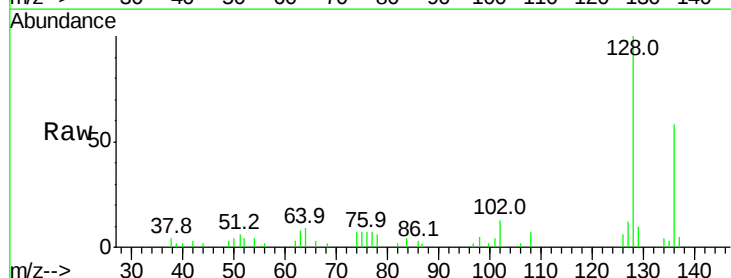
Instrument :
BNA_G
ClientSampleId :

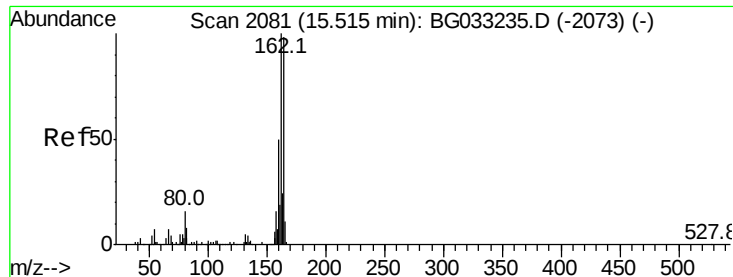
Tot Ion: 82 Resp: 353464
Ion Ratio Lower Upper
82 100
128 35.7 29.7 44.5
54 57.5 43.1 64.7



#31
Naphthalene
Concen: 2.609 ng
RT: 11.79 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

Tgt Ion:128 Resp: 21137
Ion Ratio Lower Upper
128 100
129 9.9 8.6 12.8
127 12.0 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Instrument :

BNA_G

ClientSampled :

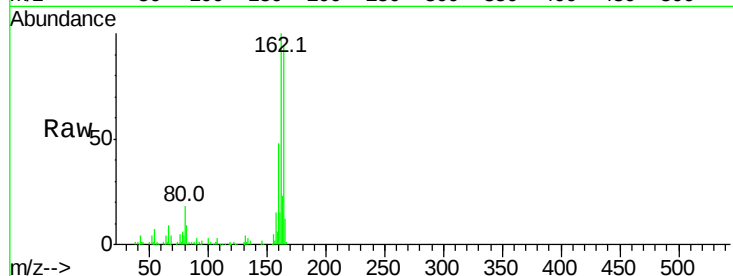
Tot Ion:164 Resp: 109799

Ion Ratio Lower Upper

164 100

162 106.1 78.8 118.2

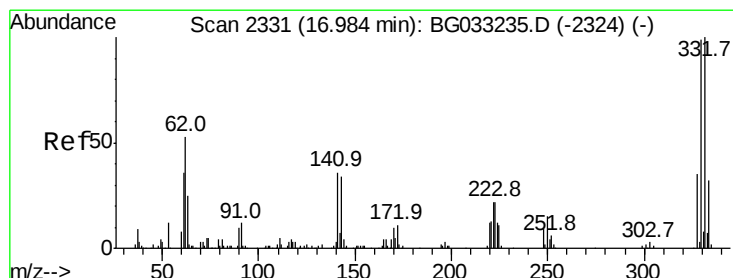
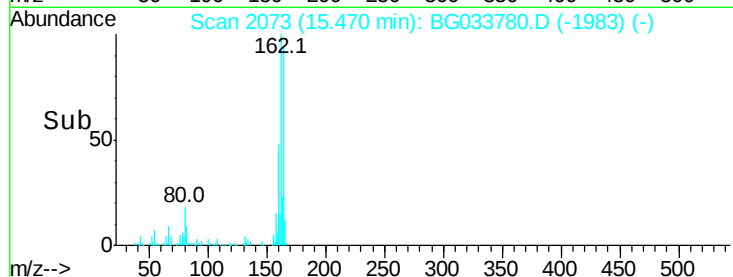
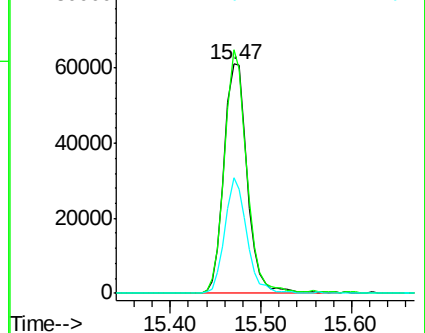
160 50.5 35.4 53.0



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: 140.399 ng

RT: 16.94 min Scan# 2324

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

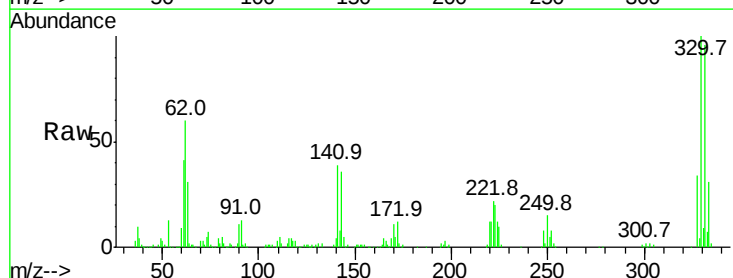
Tgt Ion:330 Resp: 230559

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

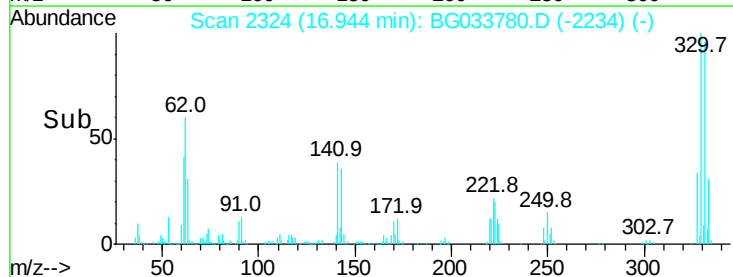
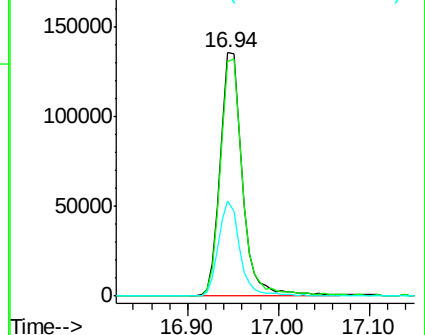
141 37.7 25.2 37.8

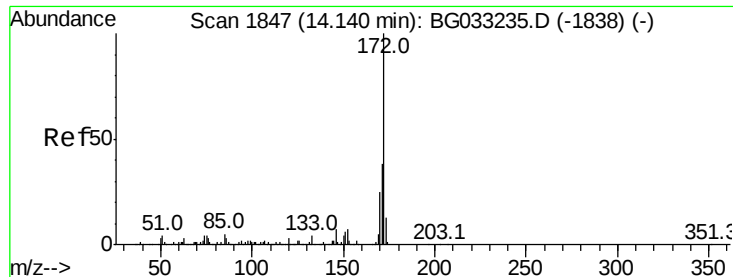


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

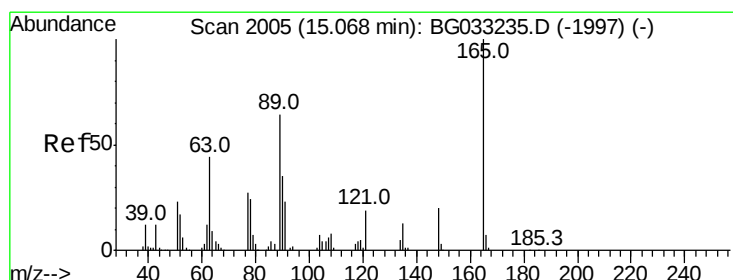
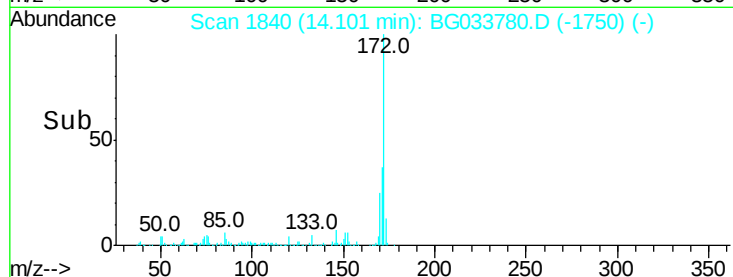
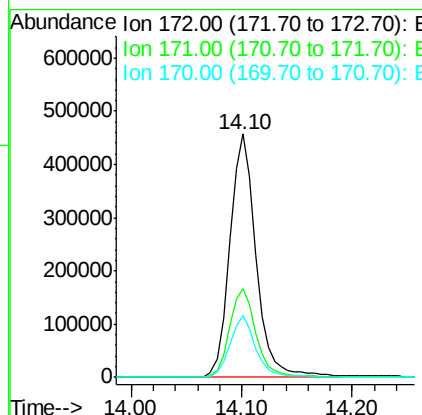
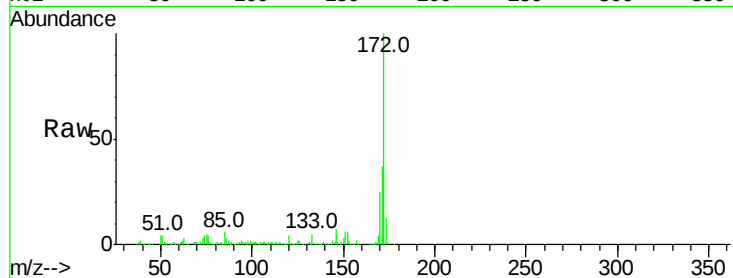




#44
 2-Fluorobiphenyl
 Concen: 100.381 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033780.D
 Acq: 12 Apr 2018 19:55

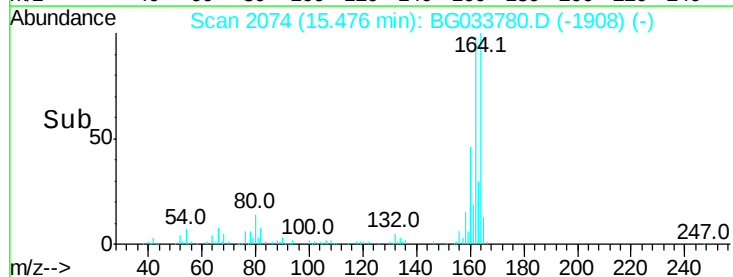
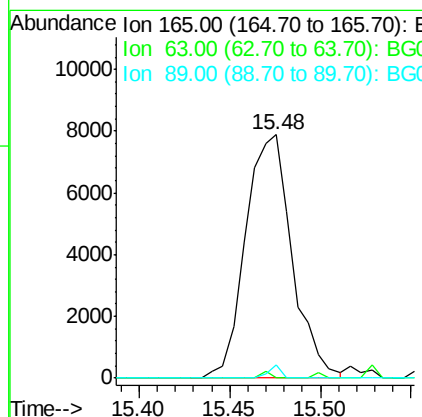
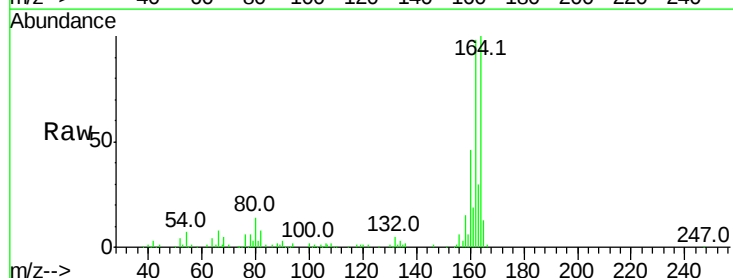
Instrument :
 BNA_G
 ClientSampleId :

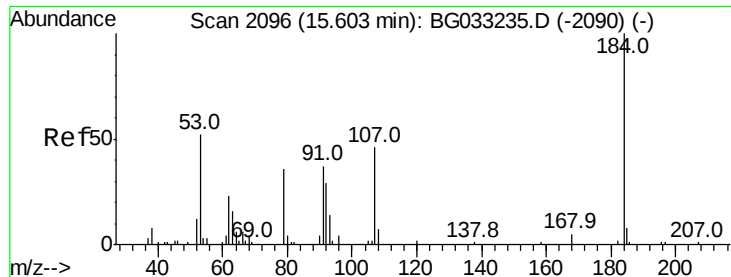
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.0	45.0
170	25.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.169 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. 0.44 min
 Lab File: BG033780.D
 Acq: 12 Apr 2018 19:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	5.3	49.2	73.8#

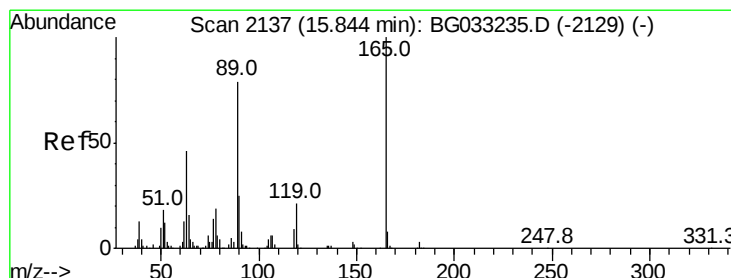
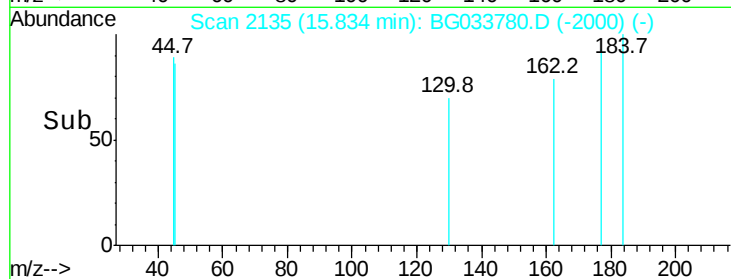
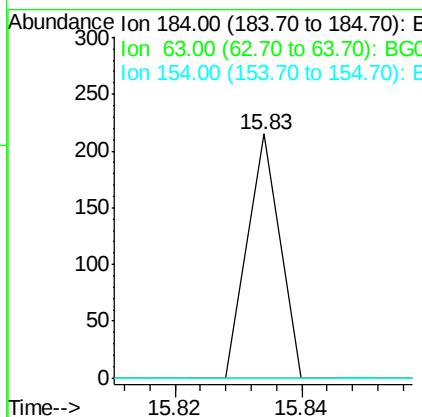
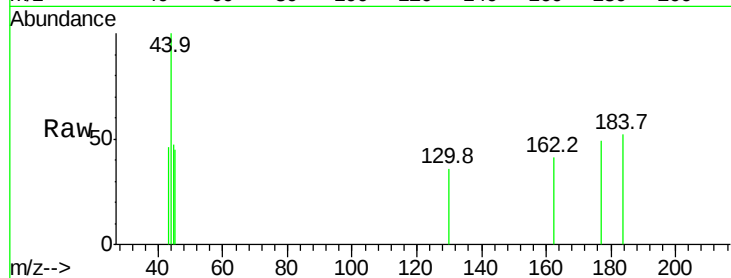




#53
 2,4-Dinitrophenol
 Concen: 7.711 ng
 RT: 15.83 min Scan# 2135
 Delta R.T. 0.26 min
 Lab File: BG033780.D
 Acq: 12 Apr 2018 19:55

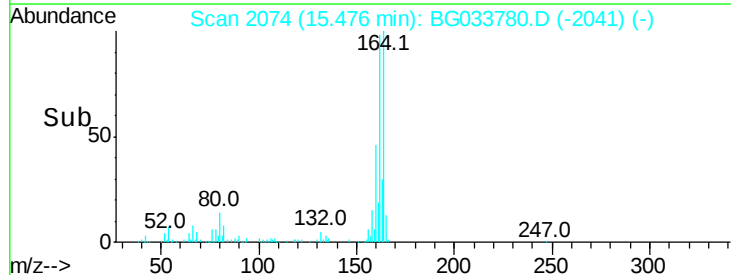
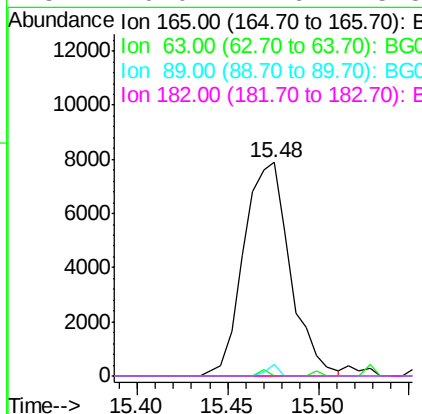
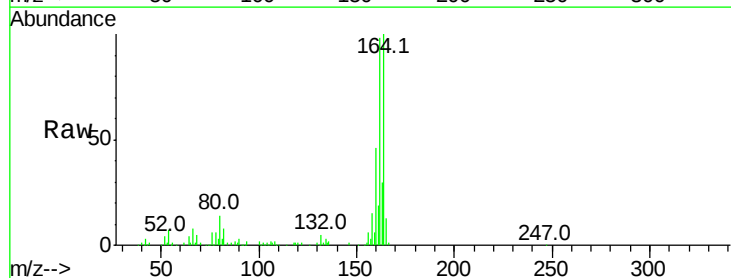
Instrument :
 BNA_G
 ClientSampleId :

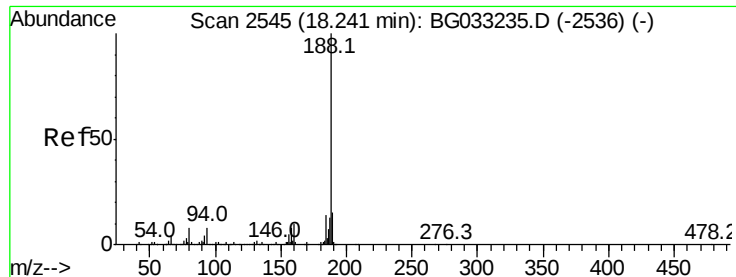
Tot Ion:184 Resp: 76
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.869 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033780.D
 Acq: 12 Apr 2018 19:55

Tgt Ion:165 Resp: 14007
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 5.3 66.9 100.3#
 182 0.0 2.6 3.8#

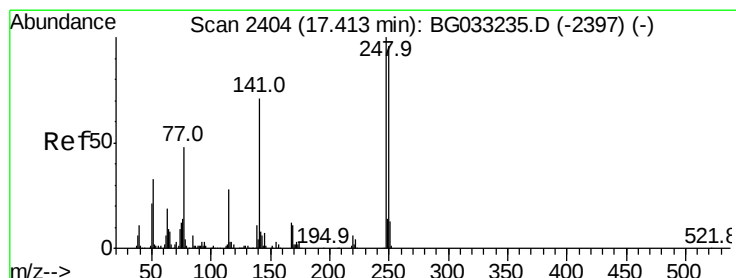
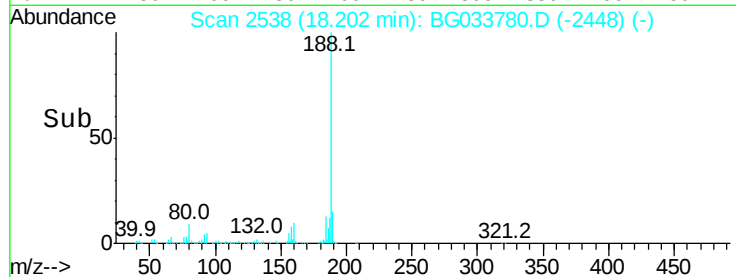
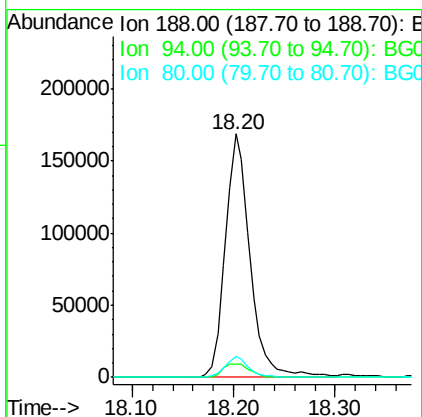
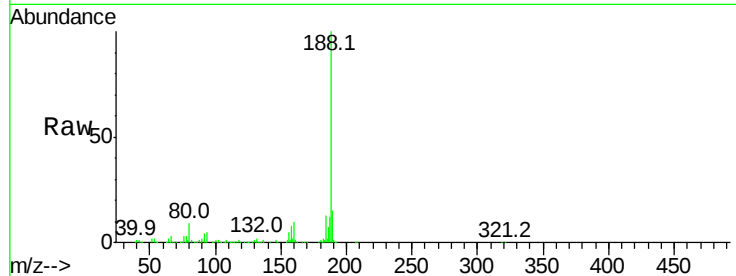




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.20 min Scan# 2538
 Delta R.T. -0.00 min
 Lab File: BG033780.D
 Acq: 12 Apr 2018 19:55

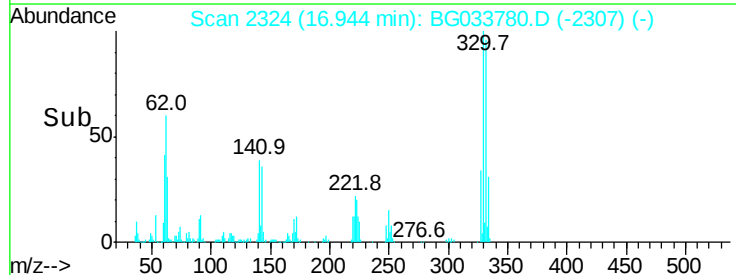
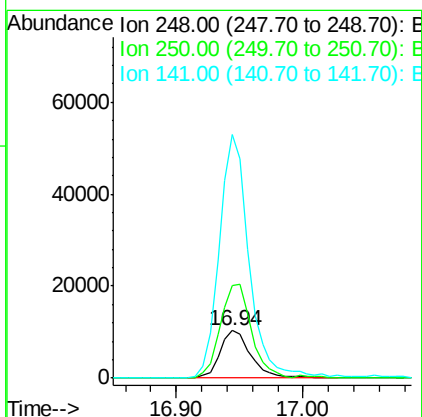
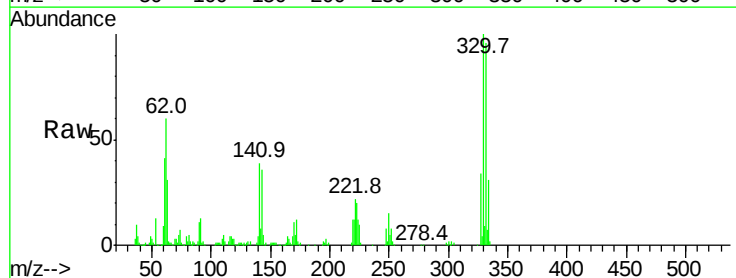
Instrument :
 BNA_G
 ClientSampled :

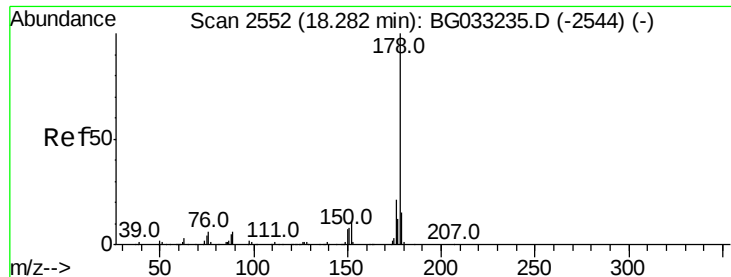
Tot Ion:188 Resp: 285472
 Ion Ratio Lower Upper
 188 100
 94 5.5 6.9 10.3#
 80 8.5 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 5.241 ng
 RT: 16.94 min Scan# 2324
 Delta R.T. -0.43 min
 Lab File: BG033780.D
 Acq: 12 Apr 2018 19:55

Tgt Ion:248 Resp: 17570
 Ion Ratio Lower Upper
 248 100
 250 195.7 77.1 115.7#
 141 511.3 50.8 76.2#

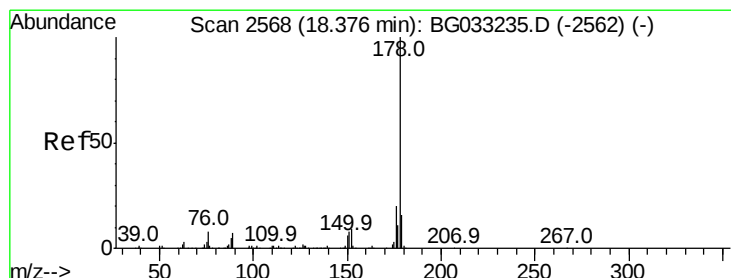
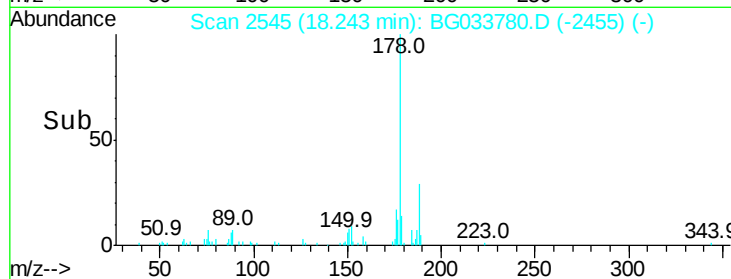
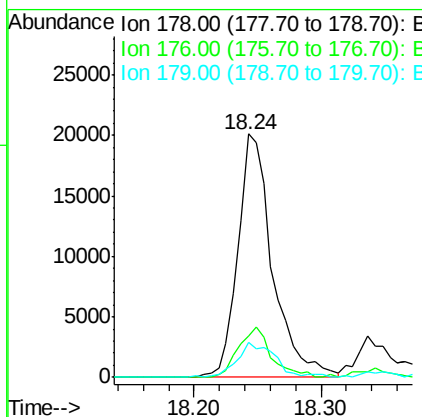
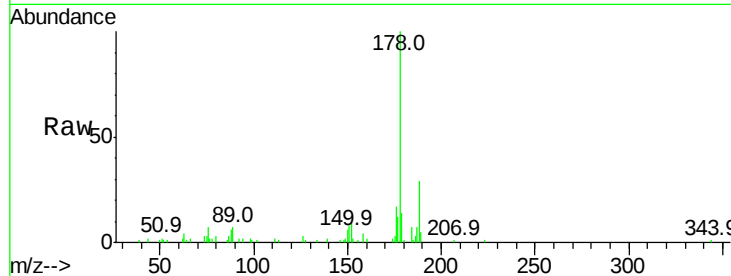




#70
Phenanthrene
Concen: 2.565 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.00 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

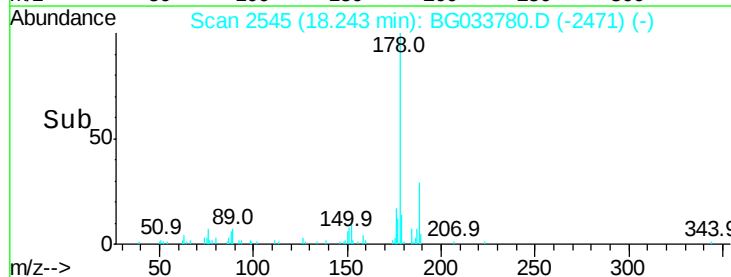
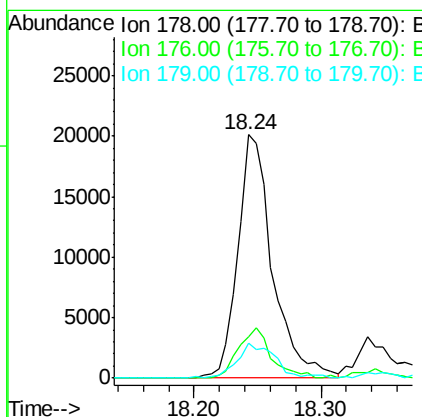
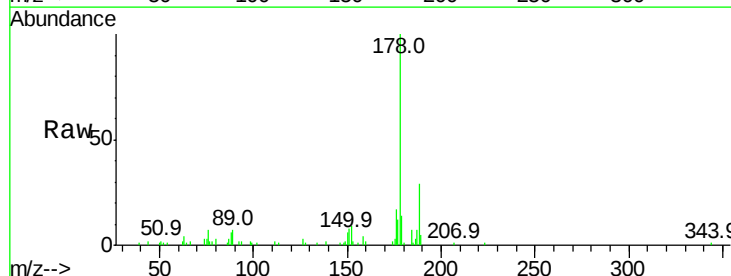
Instrument :
BNA_G
ClientSampleId :

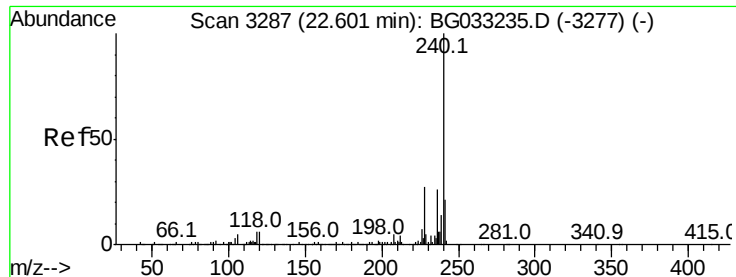
Tot Ion:178 Resp: 38139
Ion Ratio Lower Upper
178 100
176 17.0 15.7 23.5
179 14.3 12.5 18.7



#71
Anthracene
Concen: 2.534 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.10 min
Lab File: BG033780.D
Acq: 12 Apr 2018 19:55

Tgt Ion:178 Resp: 38139
Ion Ratio Lower Upper
178 100
176 17.0 16.0 24.0
179 14.3 12.5 18.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Instrument :

BNA_G

ClientSampleId :

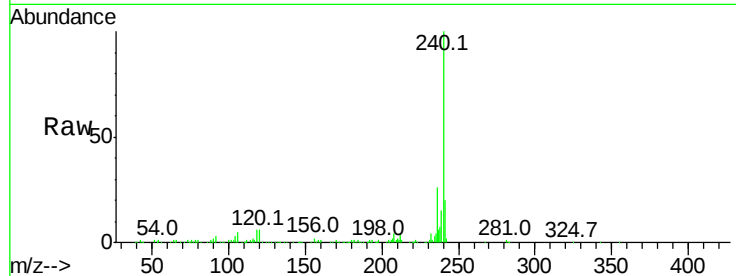
Tot Ion:240 Resp: 304154

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

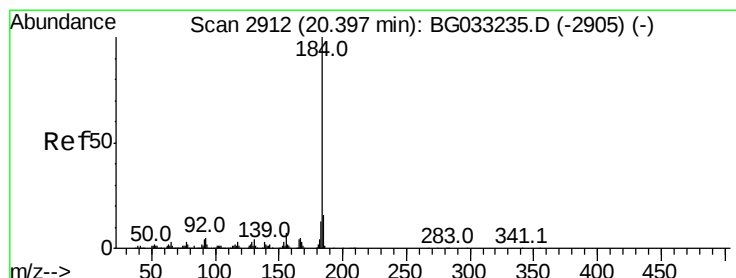
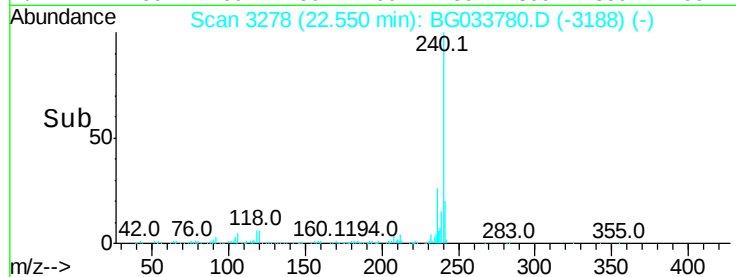
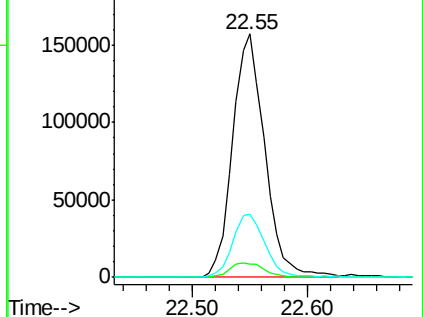
236 25.9 20.9 31.3



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: 3.011 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

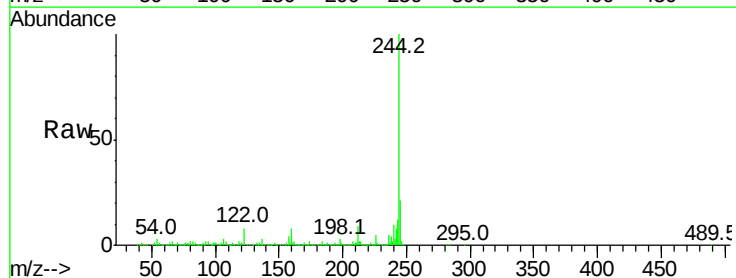
Tgt Ion:184 Resp: 24834

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

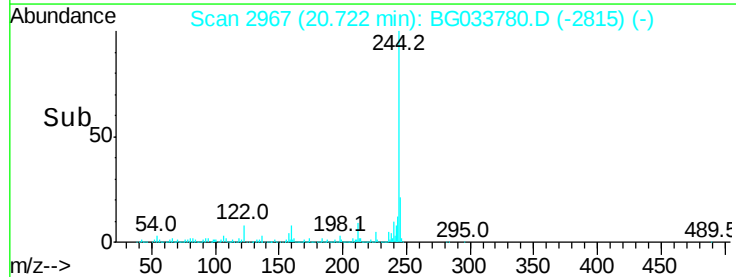
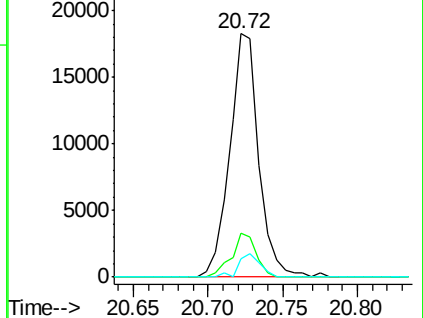
183 7.3 10.6 16.0#

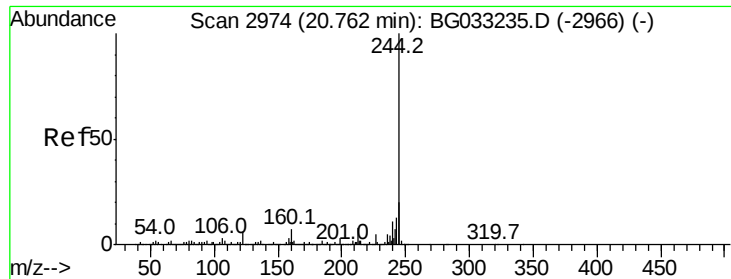


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.029 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Instrument :

BNA_G

ClientSampleId :

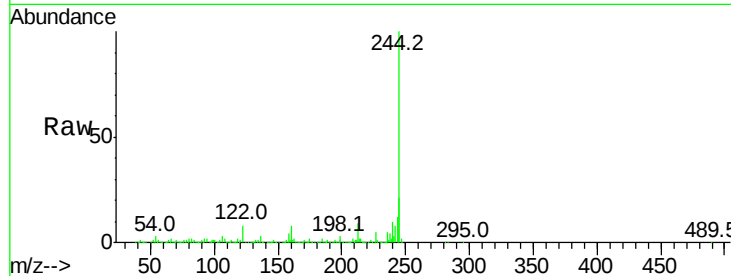
Tot Ion:244 Resp: 1451061

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

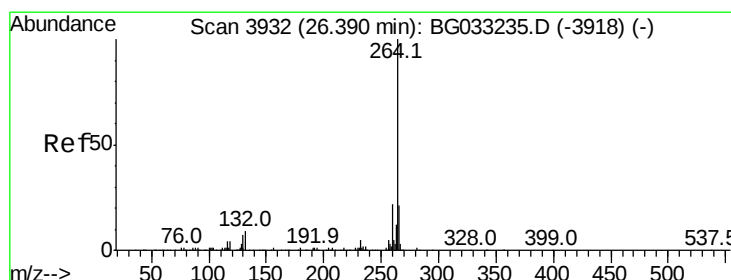
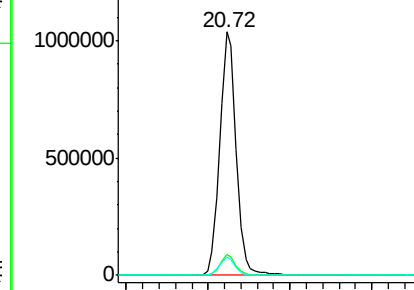
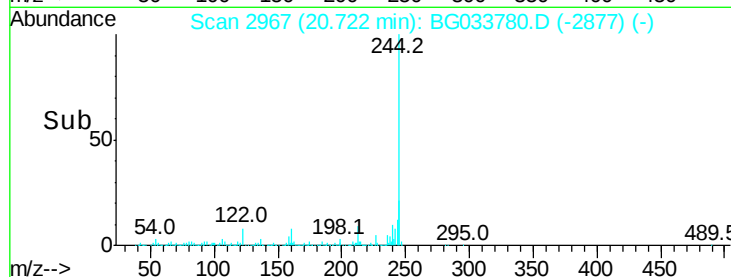
122 7.7 7.0 10.4



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: 26.30 min Scan# 3917

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

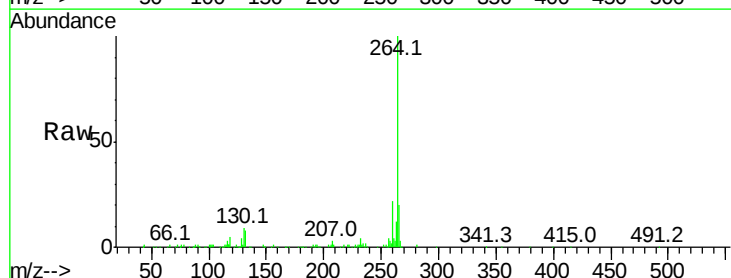
Tgt Ion:264 Resp: 319656

Ion Ratio Lower Upper

264 100

260 21.6 17.4 26.0

265 20.4 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

