

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033129.D
 Acq On : 13 Mar 2018 21:28
 Operator : SJ/JU
 Sample : PB107310BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:21:12 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	47882	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	209068	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	114184	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	239731	20.00	ng	0.00
75) Chrysene-d12	22.61	240	230897	20.00	ng	0.00
86) Perylene-d12	26.42	264	205562	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	326143	108.97	ng	0.01
7) Phenol-d6	8.02	99	432974	103.79	ng	0.01
23) Nitrobenzene-d5	10.11	82	385667	123.00	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	16544	13.78	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	803749	101.52	ng	0.00
78) Terphenyl-d14	20.77	244	1060851	103.23	ng	0.00

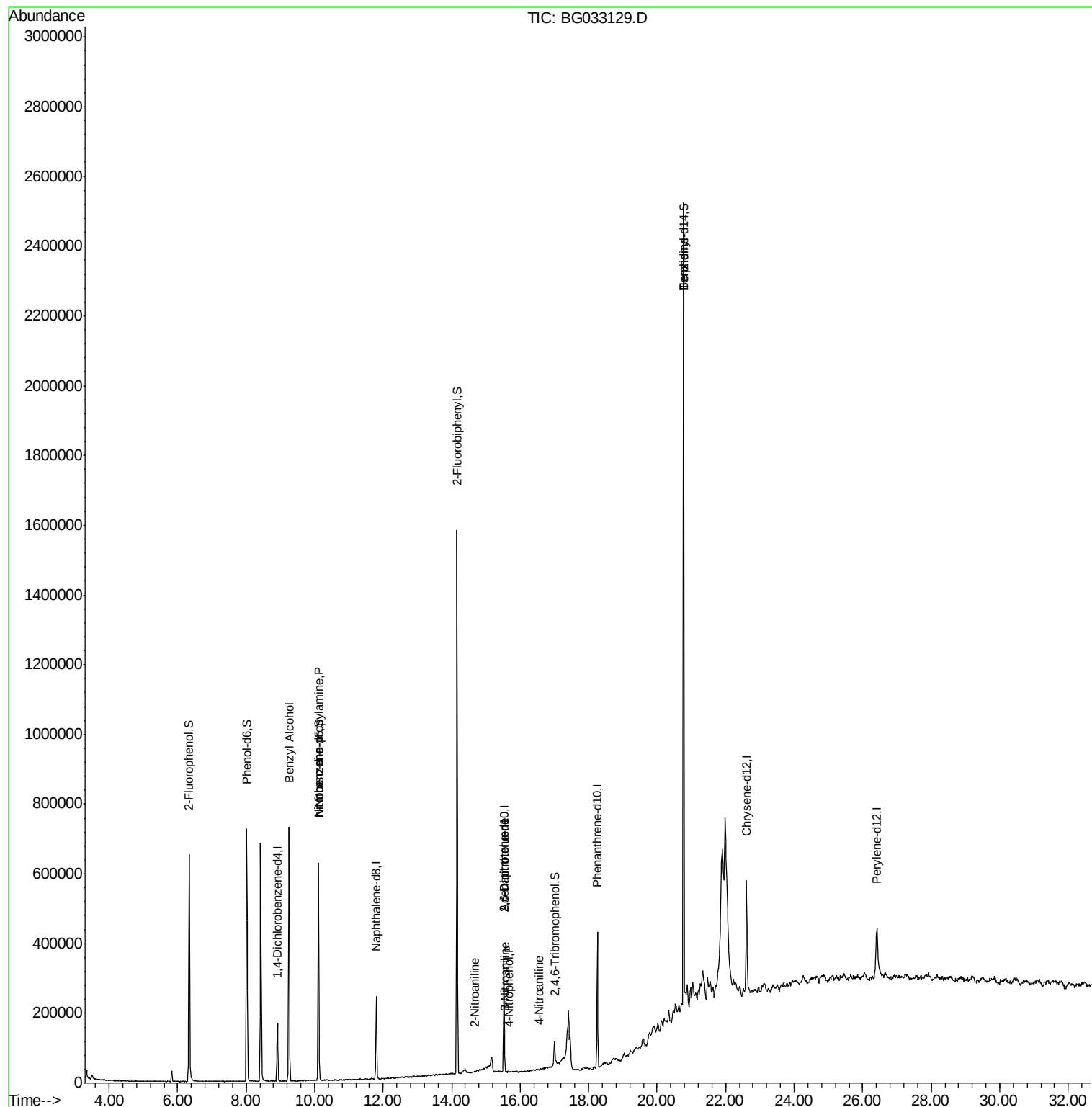
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.25	79	6478	2.112	ng	# 39
19) n-Nitroso-di-n-propylamine	10.11	70	52238	17.737	ng	# 85
24) Nitrobenzene	10.11	77	1544	6.782	ng	# 44
47) 2-Nitroaniline	14.67	65	62	9.862	ng	# 9
50) 2,6-Dinitrotoluene	15.53	165	14848	16.436	ng	# 22
52) 3-Nitroaniline	15.56	138	69	7.573	ng	# 1
55) 4-Nitrophenol	15.68	139	57	7.113	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	14848	14.634	ng	# 20
61) 4-Nitroaniline	16.55	138	133	5.356	ng	# 12
76) Benzidine	20.77	184	18093	2.299	ng	# 95

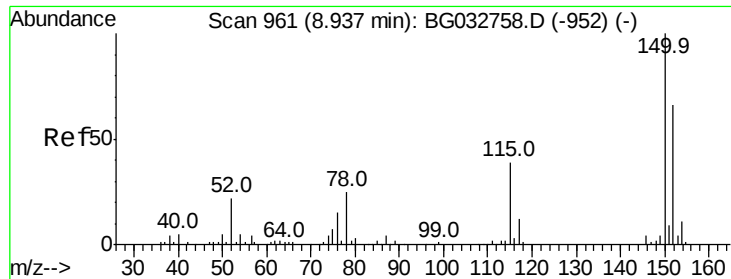
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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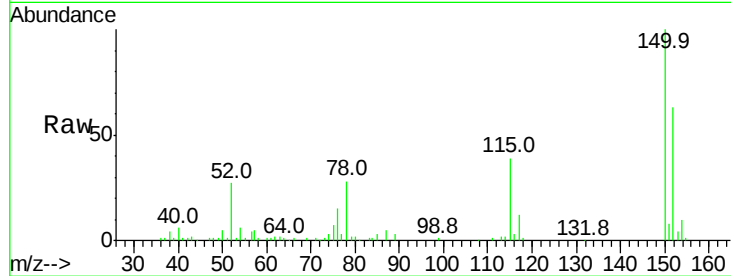


#1

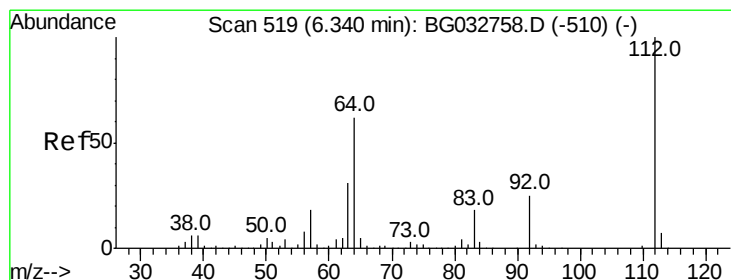
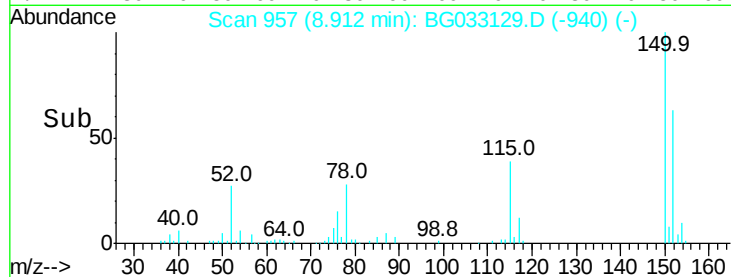
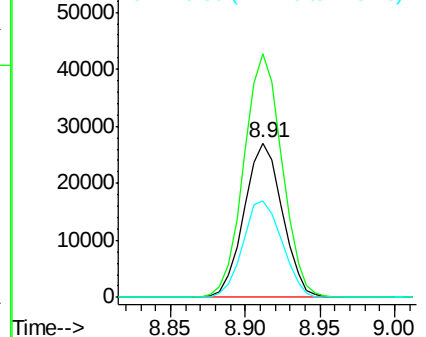
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 47882
Ion Ratio Lower Upper
152 100
150 157.6 126.6 189.8
115 62.0 53.0 79.4



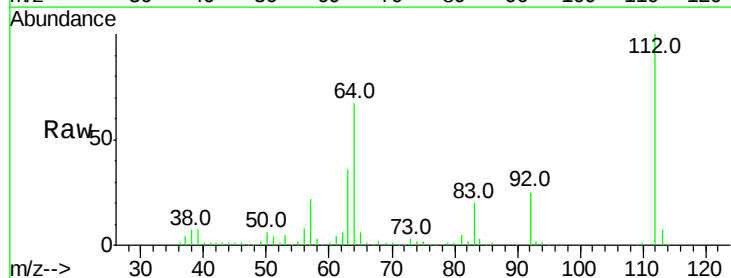
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



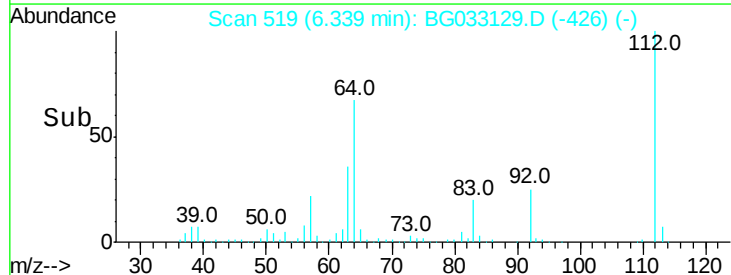
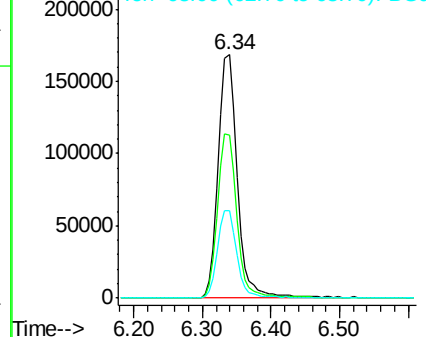
#5

2-Fluorophenol
Concen: 108.972 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Tgt Ion:112 Resp: 326143
Ion Ratio Lower Upper
112 100
64 66.8 56.3 84.5
63 35.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 103.789 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

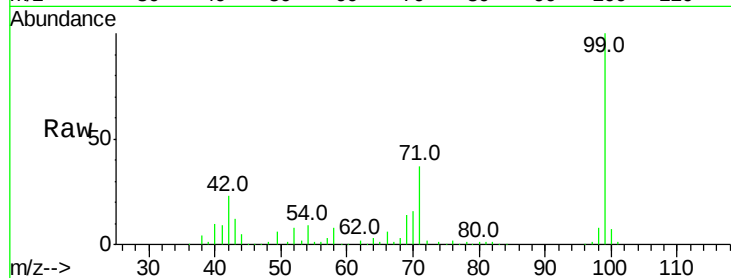
Tot Ion: 99 Resp: 432974

Ion Ratio Lower Upper

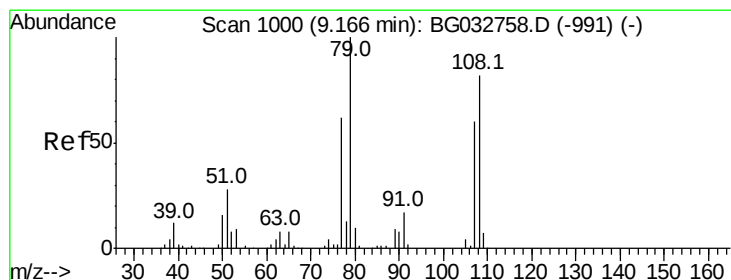
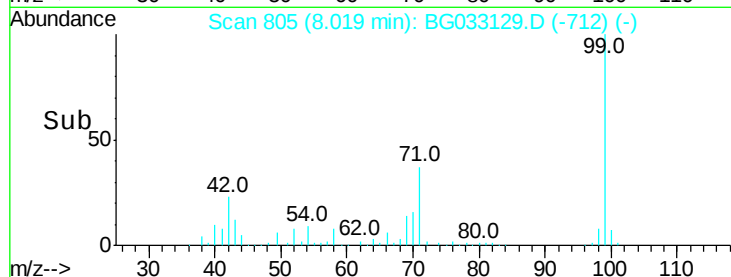
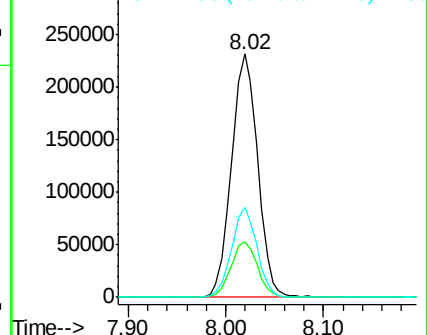
99 100

42 23.0 14.1 21.1#

71 37.1 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: 2.112 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

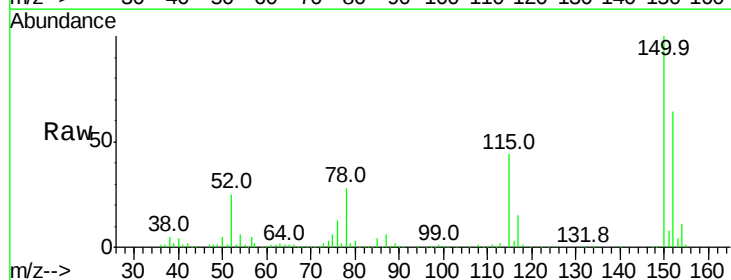
Tgt Ion: 79 Resp: 6478

Ion Ratio Lower Upper

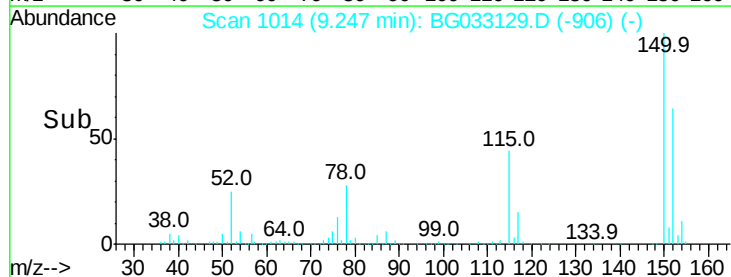
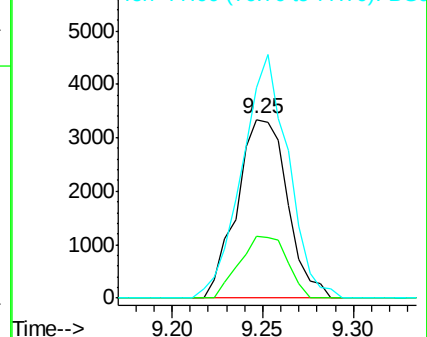
79 100

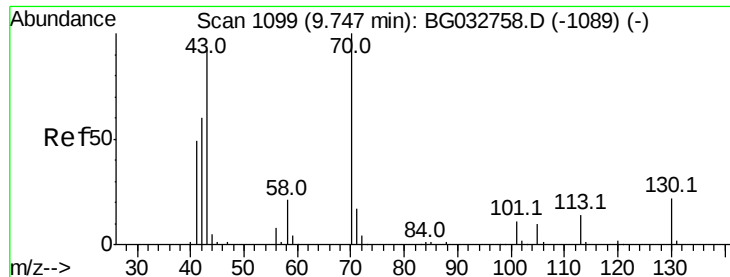
108 34.6 57.2 85.8#

77 117.6 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

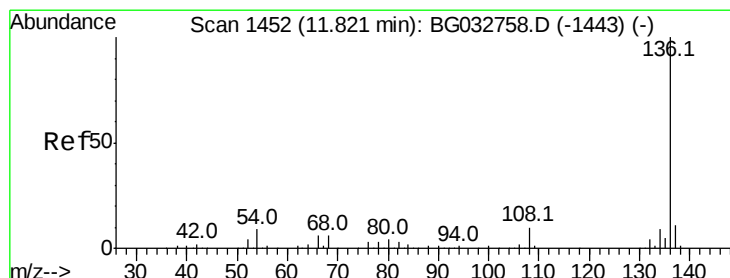
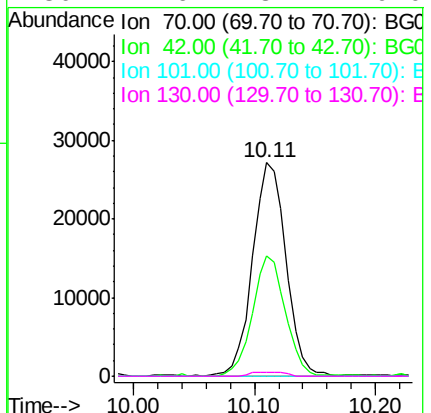
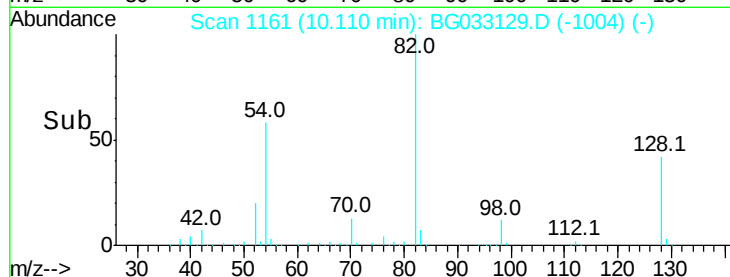
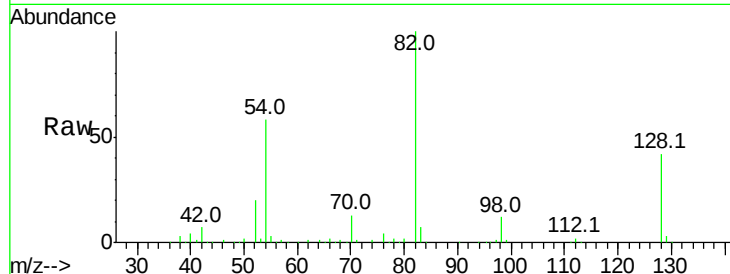




#19
n-Nitroso-di-n-propylamine
Concen: 17.737 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.39 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

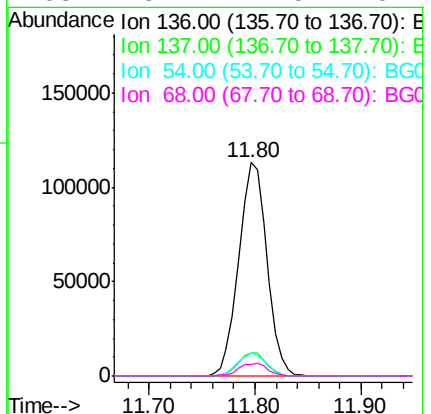
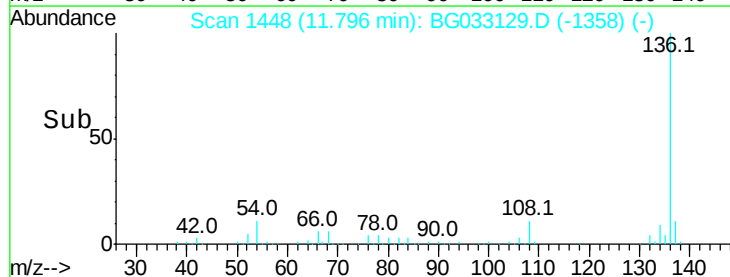
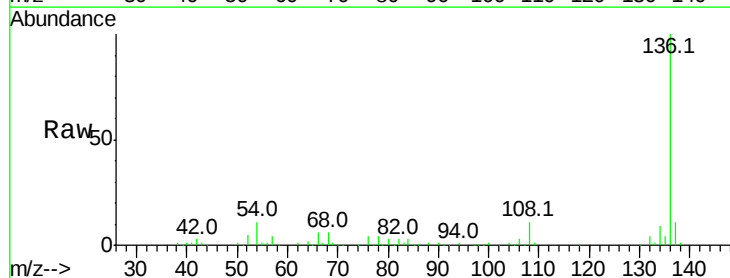
Instrument :
BNA_G
ClientSampleId :

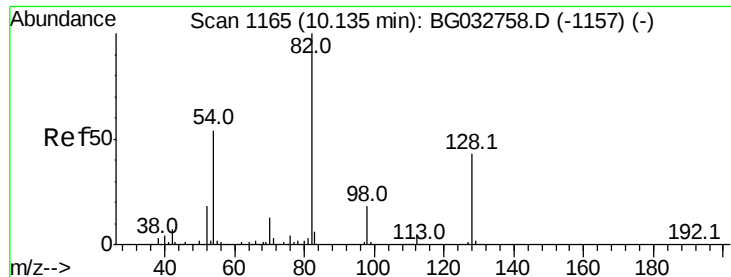
Tot Ion: 70 Resp: 52238
Ion Ratio Lower Upper
70 100
42 56.2 49.1 73.7
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Tgt Ion: 136 Resp: 209068
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 10.9 10.3 15.5
68 5.7 4.5 6.7

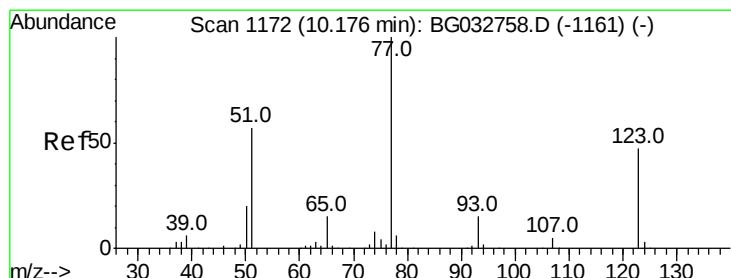
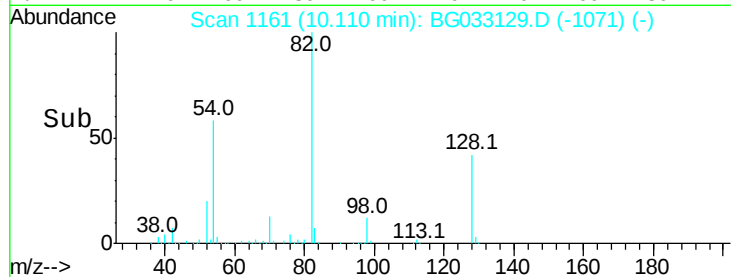
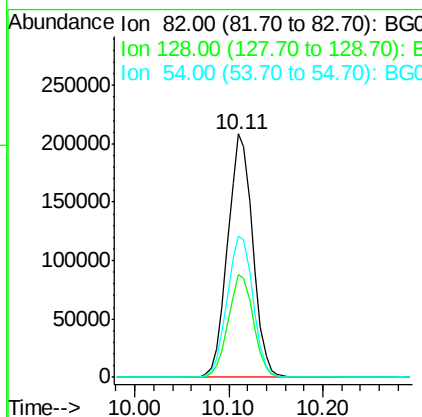
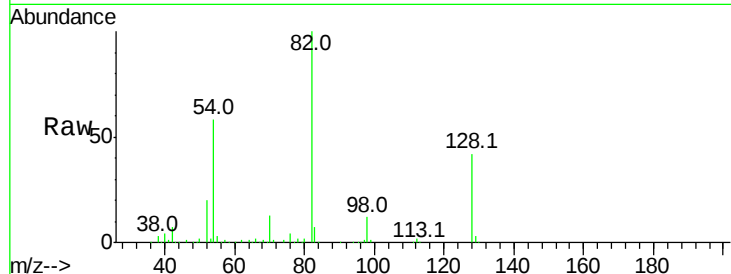




#23
 Nitrobenzene-d5
 Concen: 122.997 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BG033129.D
 Acq: 13 Mar 2018 21:28

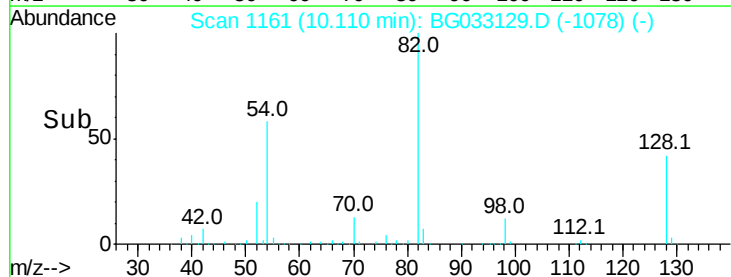
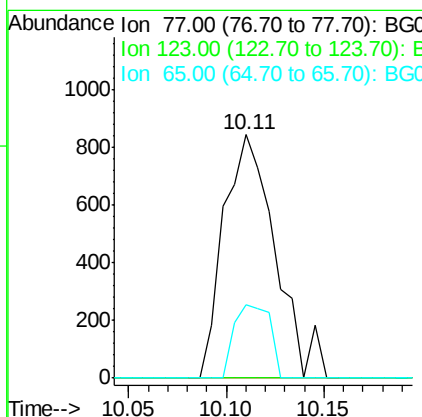
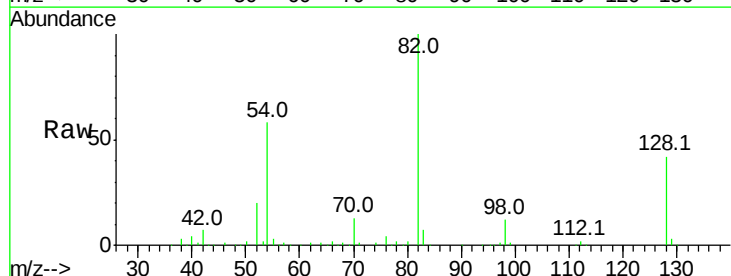
Instrument :
 BNA_G
 ClientSampleId :

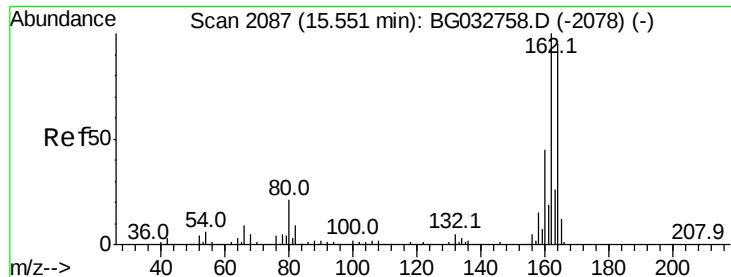
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	29.7	44.5
54	58.2	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.782 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.04 min
 Lab File: BG033129.D
 Acq: 13 Mar 2018 21:28

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	30.2	13.0	19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

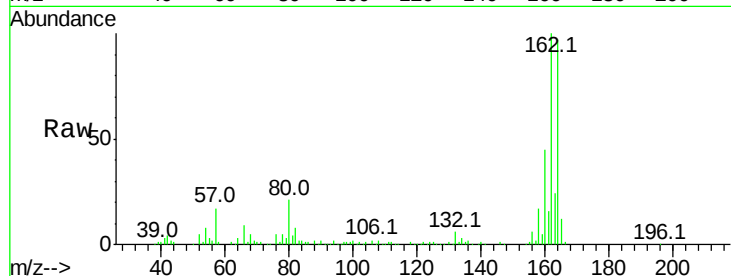
Tot Ion:164 Resp: 114184

Ion Ratio Lower Upper

164 100

162 103.6 78.8 118.2

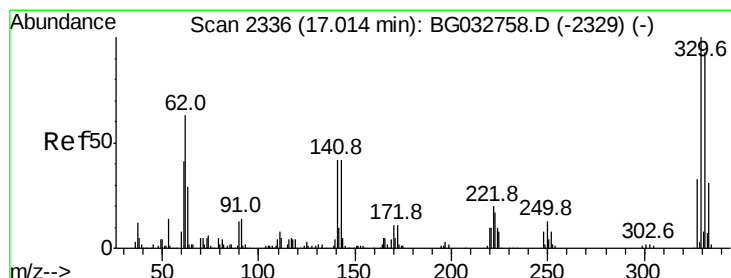
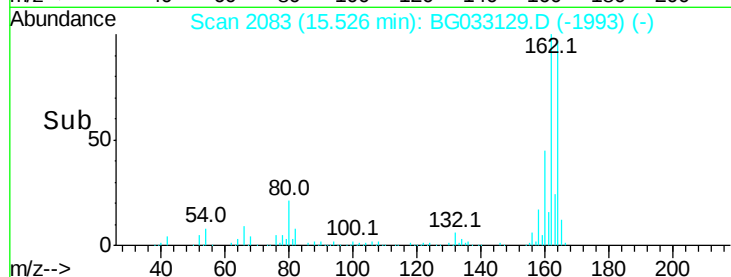
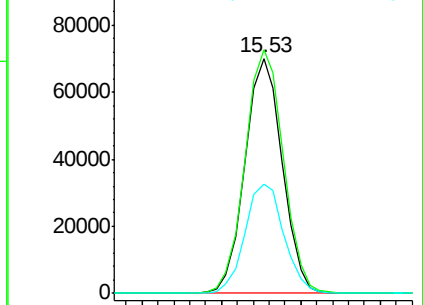
160 46.7 35.4 53.0



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: 13.780 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

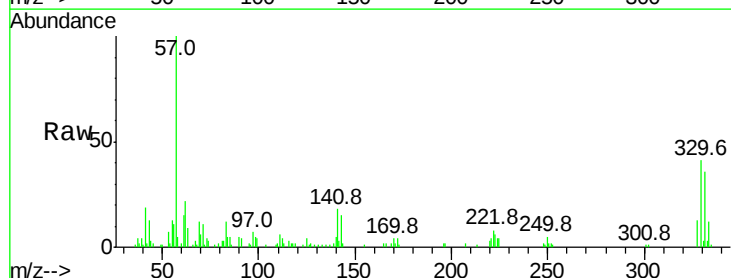
Tgt Ion:330 Resp: 16544

Ion Ratio Lower Upper

330 100

332 99.0 77.0 115.6

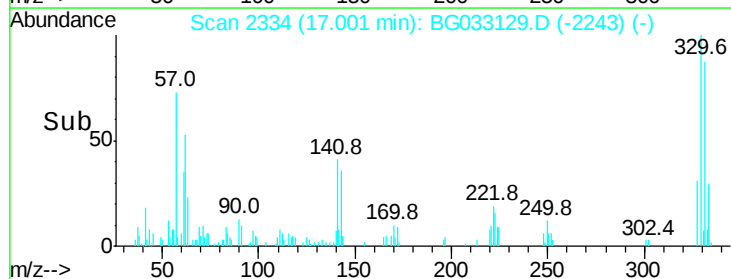
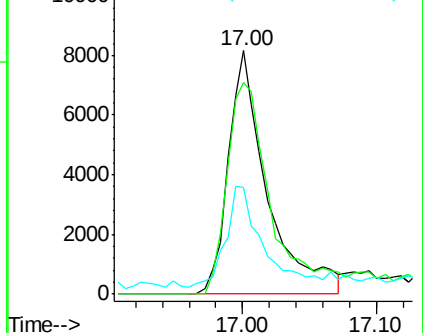
141 39.7 25.2 37.8#

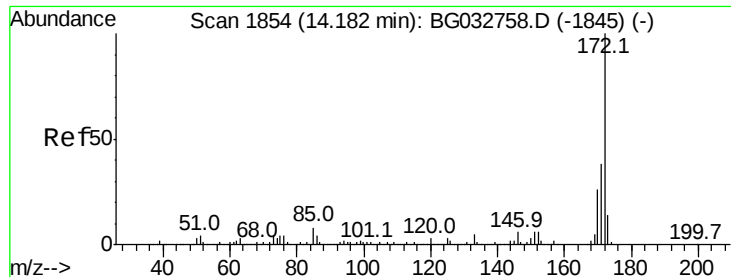


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

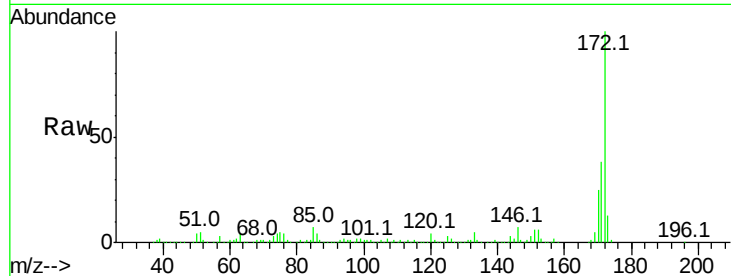




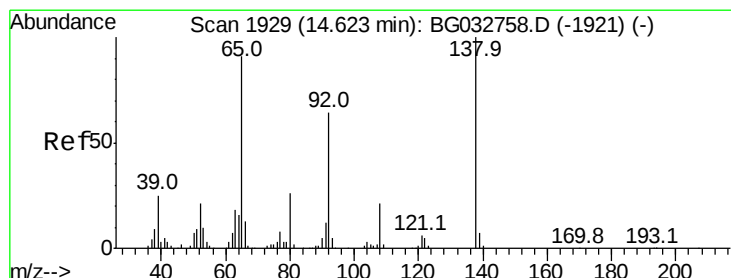
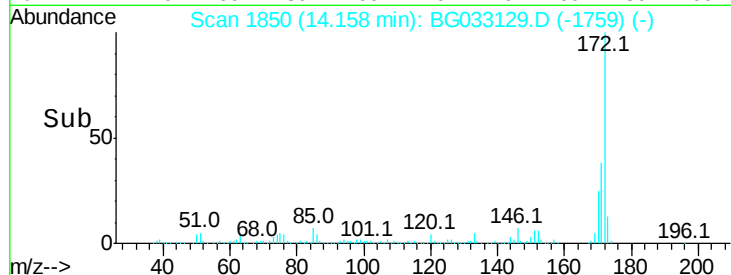
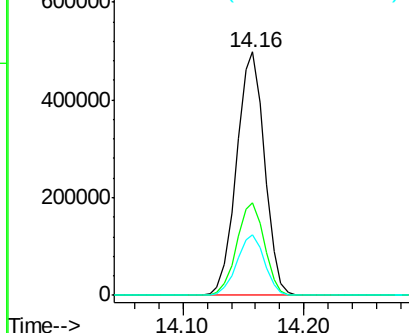
#44
2-Fluorobiphenyl
Concen: 101.521 ng
RT: 14.16 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 803749
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 24.8 19.5 29.3

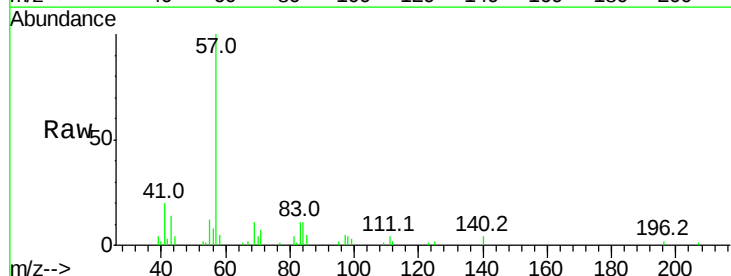


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

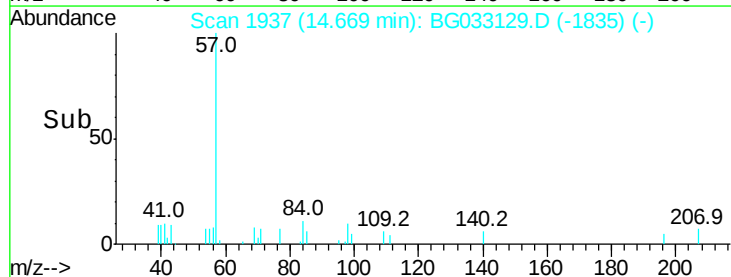
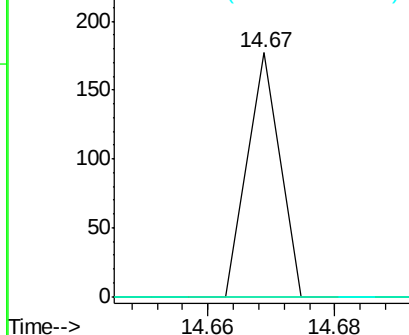


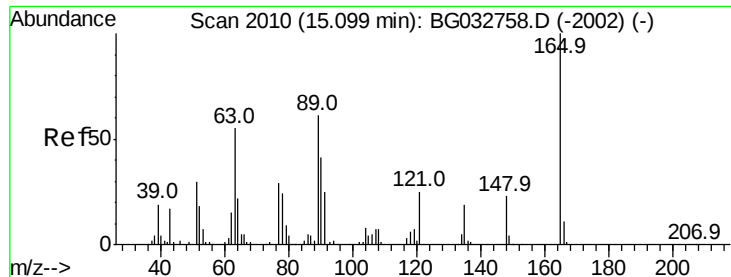
#47
2-Nitroaniline
Concen: 9.862 ng
RT: 14.67 min Scan# 1937
Delta R.T. 0.07 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Tgt Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

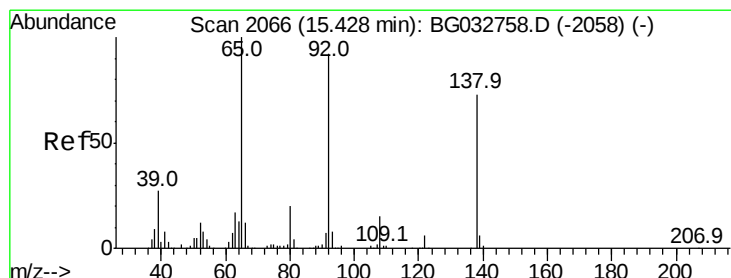
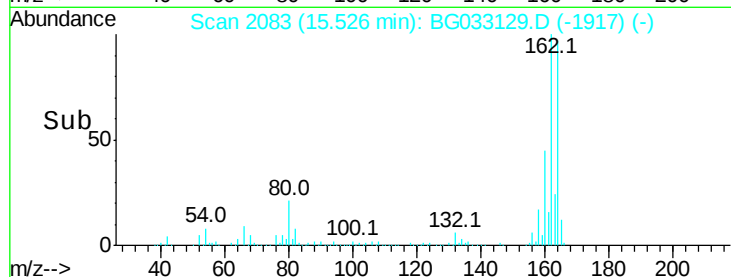
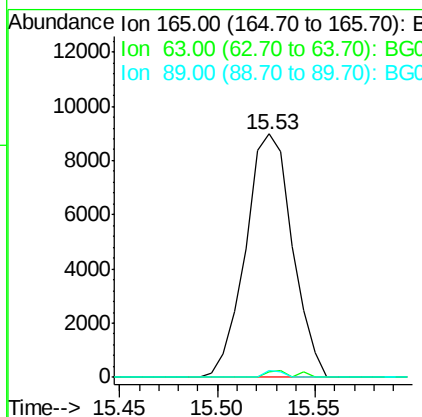
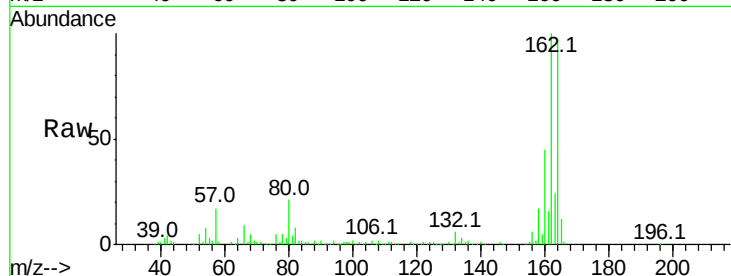




#50
 2,6-Dinitrotoluene
 Concen: 16.436 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. 0.44 min
 Lab File: BG033129.D
 Acq: 13 Mar 2018 21:28

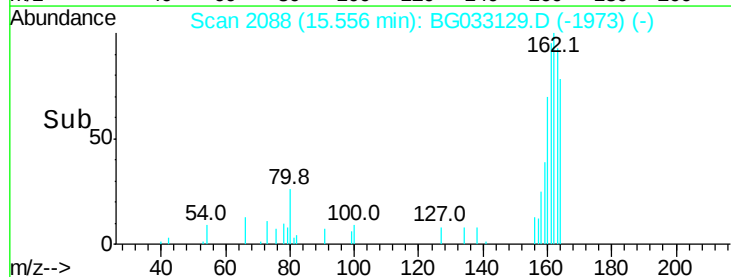
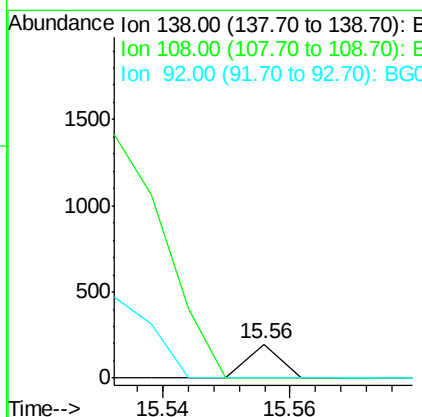
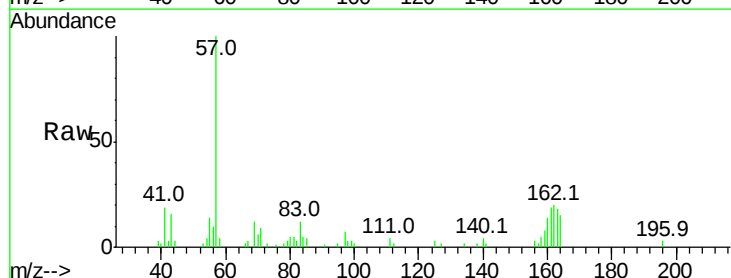
Instrument :
 BNA_G
 ClientSampleId :

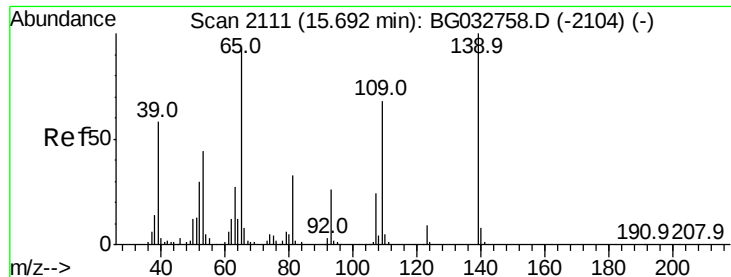
Tot Ion:165 Resp: 14848
 Ion Ratio Lower Upper
 165 100
 63 2.4 52.7 79.1#
 89 3.0 49.2 73.8#



#52
 3-Nitroaniline
 Concen: 7.573 ng
 RT: 15.56 min Scan# 2088
 Delta R.T. 0.14 min
 Lab File: BG033129.D
 Acq: 13 Mar 2018 21:28

Tgt Ion:138 Resp: 69
 Ion Ratio Lower Upper
 138 100
 108 0.0 17.5 26.3#
 92 0.0 105.8 158.8#

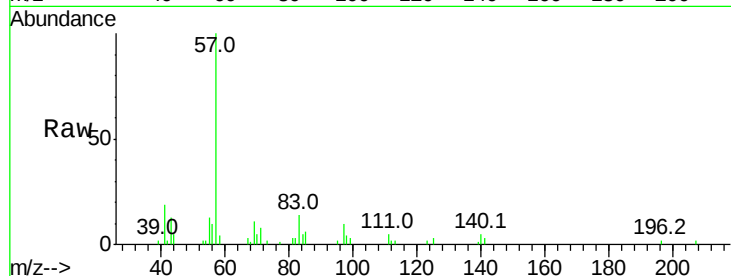




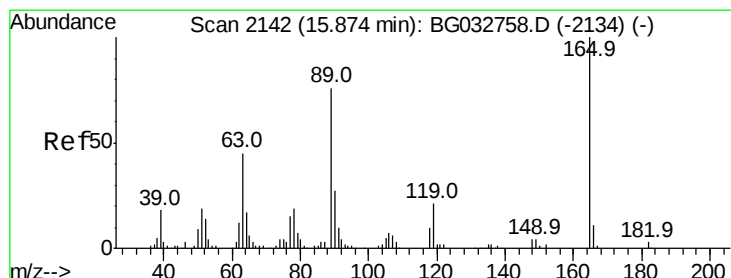
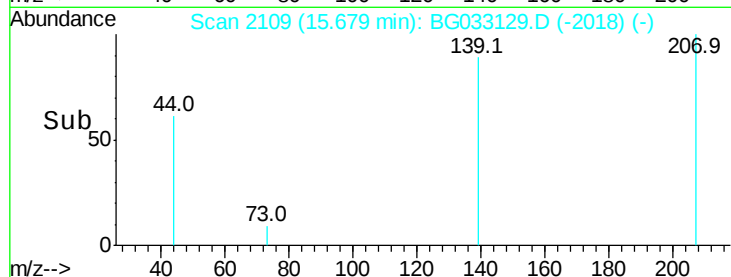
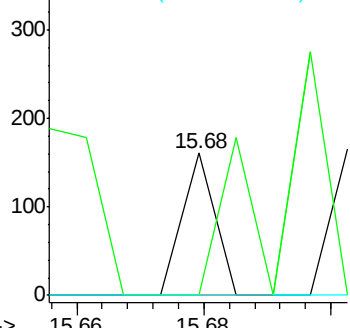
#55
4-Nitrophenol
Concen: 7.113 ng
RT: 15.68 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 57
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

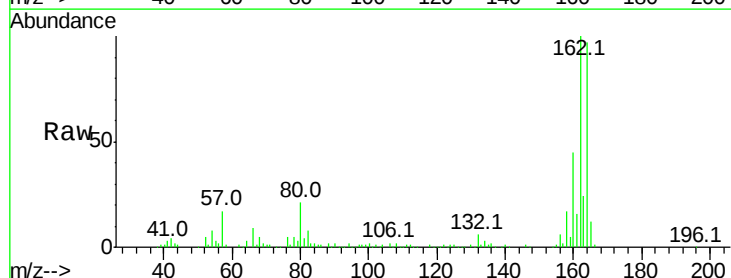


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

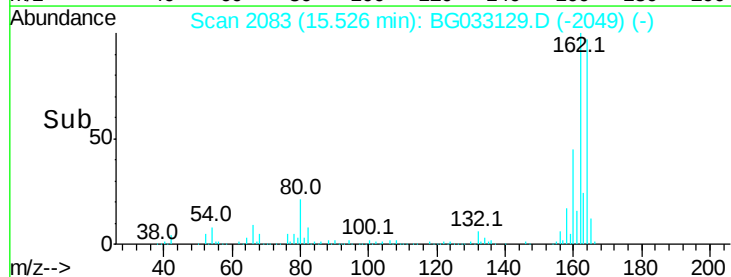
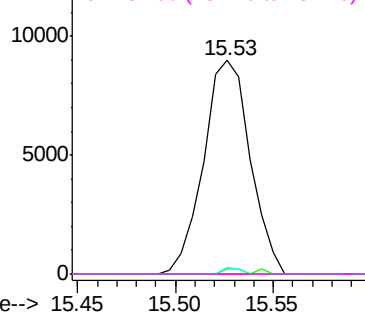


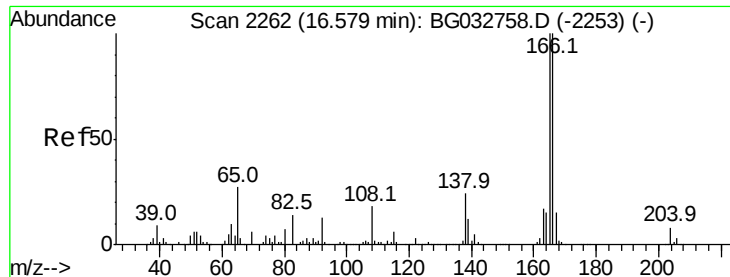
#56
2,4-Dinitrotoluene
Concen: 14.634 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Tgt Ion:165 Resp: 14848
Ion Ratio Lower Upper
165 100
63 2.4 42.0 63.0#
89 3.0 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

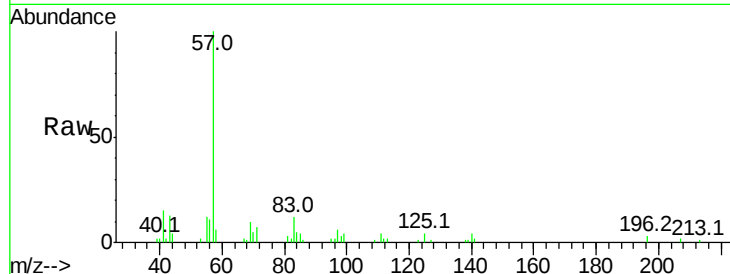




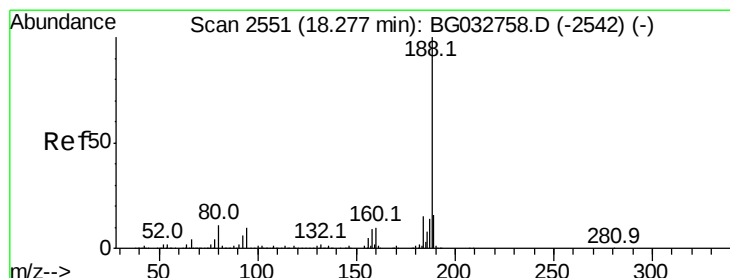
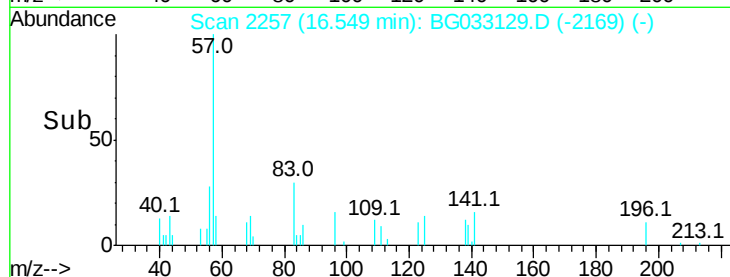
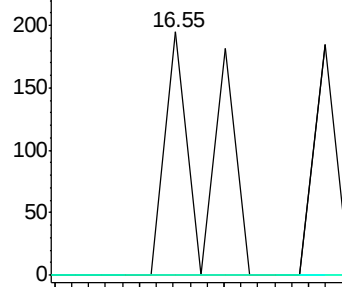
#61
4-Nitroaniline
Concen: 5.356 ng
RT: 16.55 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:138 Resp: 133
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

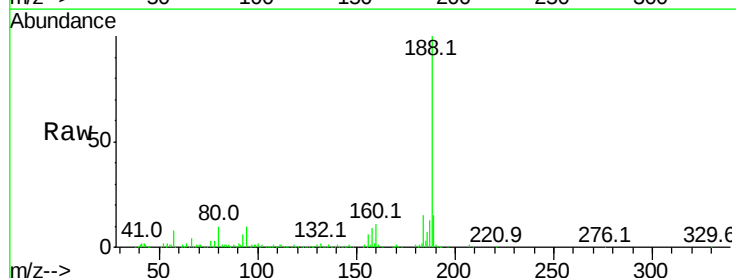


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

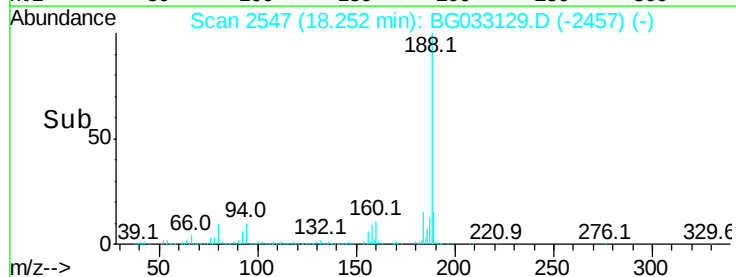
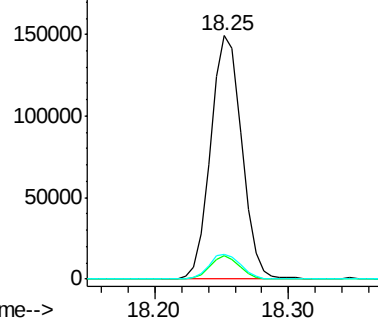


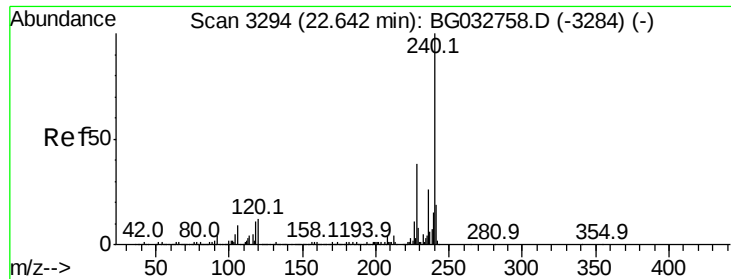
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BG033129.D
Acq: 13 Mar 2018 21:28

Tgt Ion:188 Resp: 239731
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 10.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. 0.00 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

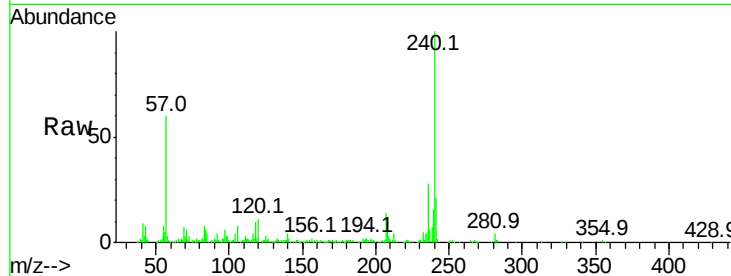
Tot Ion:240 Resp: 230897

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

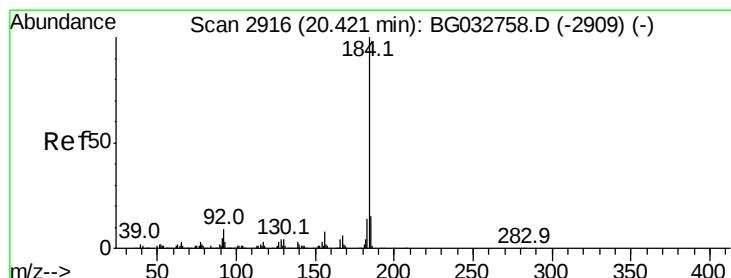
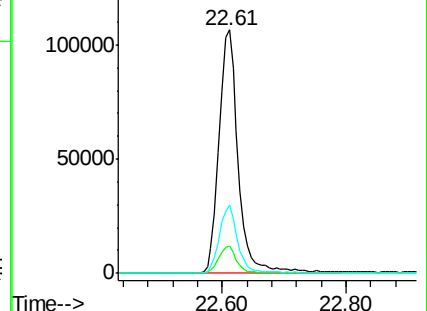
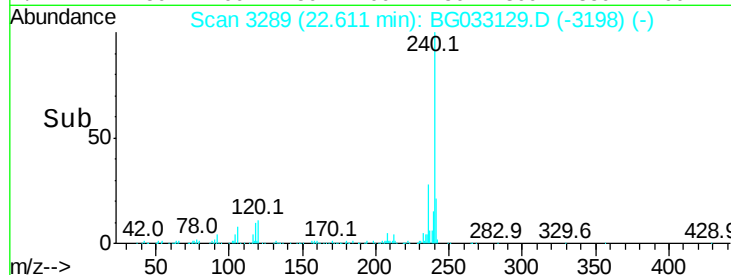
236 28.2 20.9 31.3



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: 2.299 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

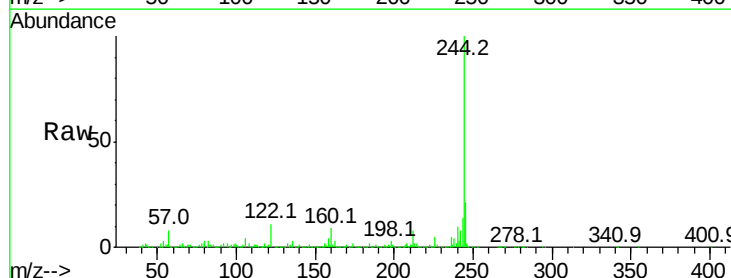
Tgt Ion:184 Resp: 18093

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

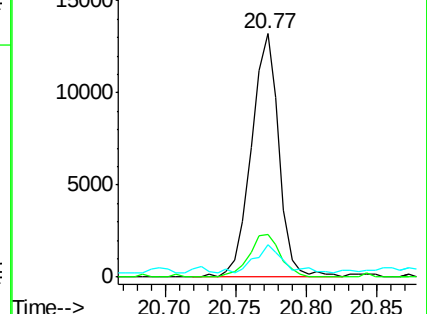
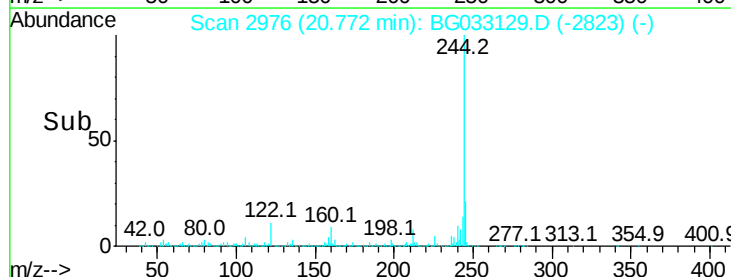
183 13.1 10.6 16.0

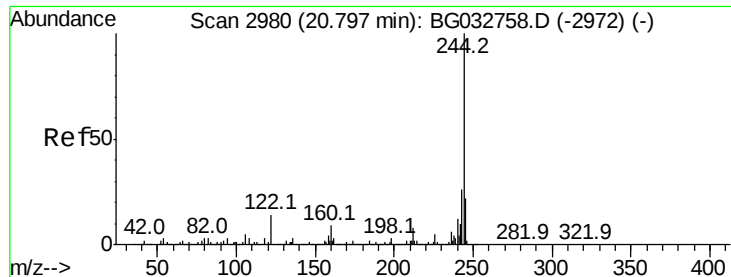


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 103.225 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

Instrument :

BNA_G

ClientSampled :

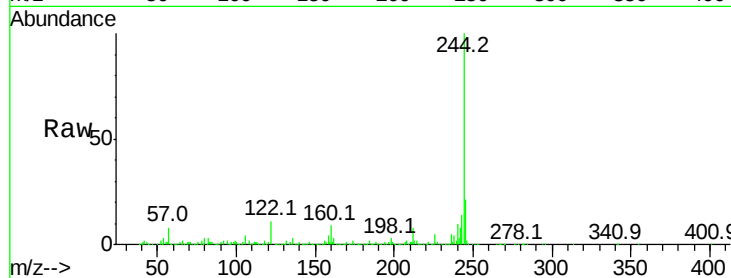
Tot Ion:244 Resp: 1060851

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

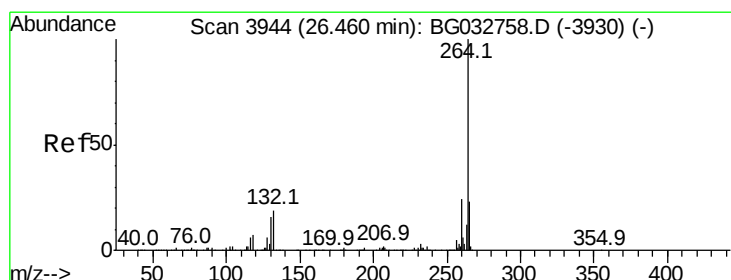
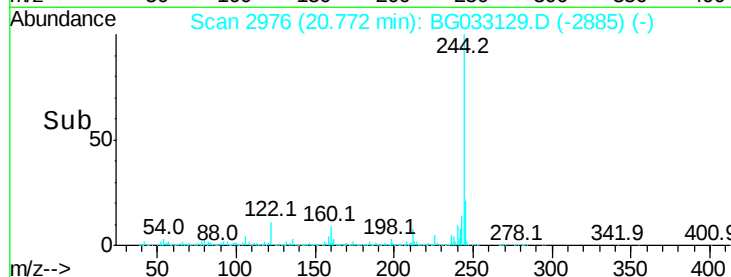
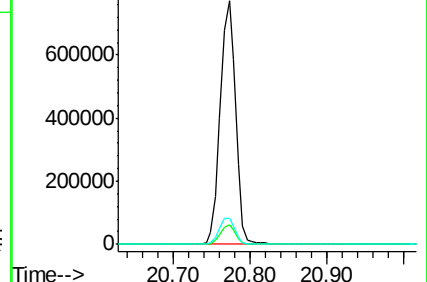
122 10.9 7.0 10.4#



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: 20.000 ng

RT: 26.42 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

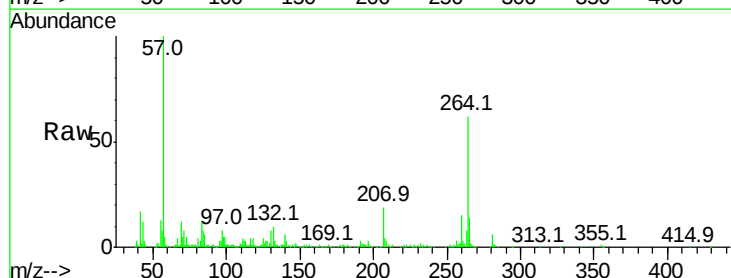
Tgt Ion:264 Resp: 205562

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 22.3 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

