

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033211.D
 Acq On : 16 Mar 2018 22:25
 Operator : SJ/JU
 Sample : PB107389BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB107389BL

Quant Time: Mar 17 05:22:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	41149	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	168547	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	116730	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	313163	20.00	ng	0.00
75) Chrysene-d12	22.60	240	324848	20.00	ng	-0.01
86) Perylene-d12	26.39	264	346943	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	338533	131.62	ng	0.00
7) Phenol-d6	8.00	99	487022	135.85	ng	-0.01
23) Nitrobenzene-d5	10.09	82	314375	124.25	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	205154	167.15	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	722264	89.24	ng	0.00
78) Terphenyl-d14	20.76	244	1305201	90.27	ng	0.00

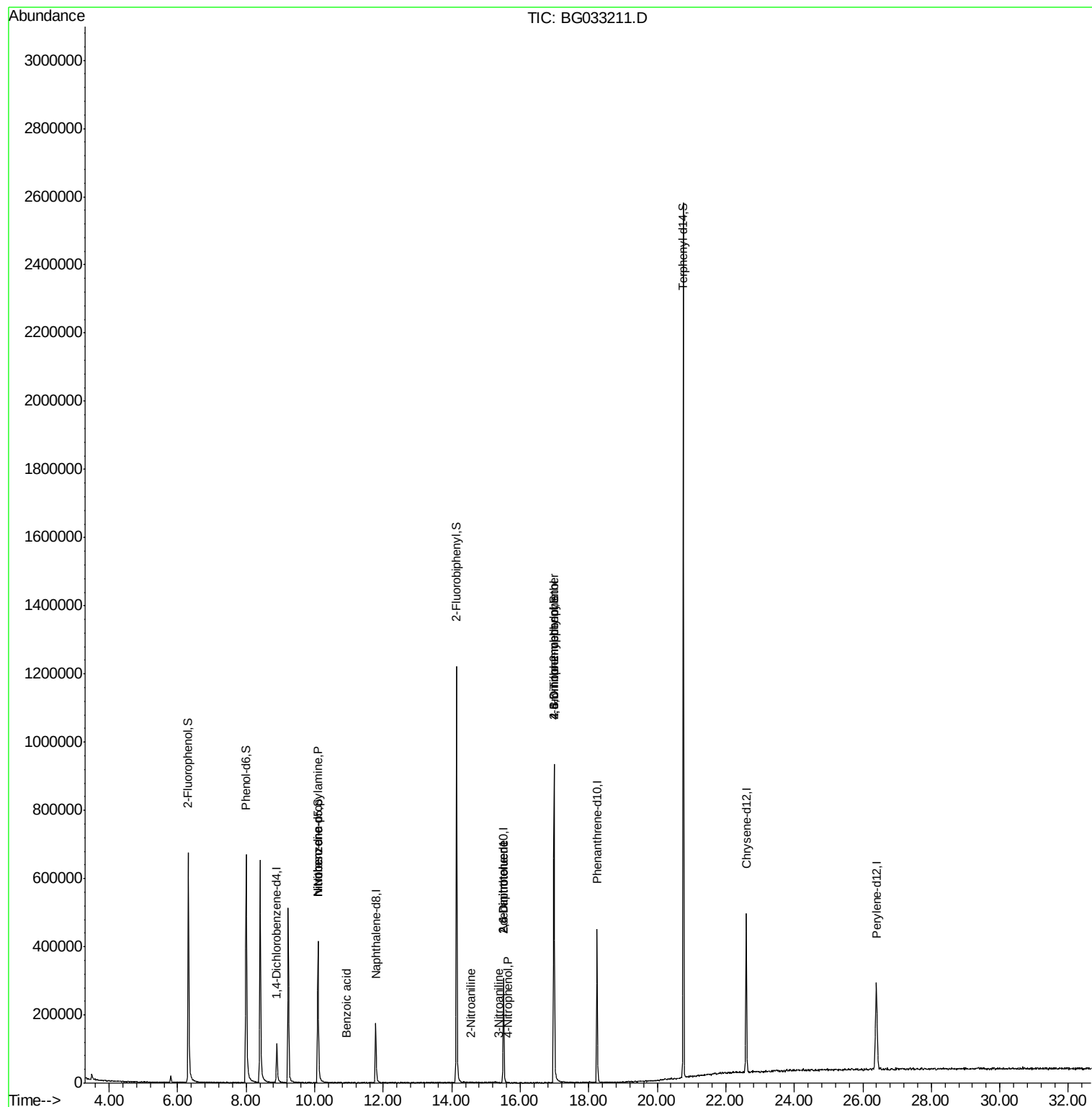
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.09	70	42788	16.906	ng	# 79
24) Nitrobenzene	10.09	77	844	6.653	ng	# 42
32) Benzoic acid	10.92	122	55	5.857	ng	# 1
47) 2-Nitroaniline	14.58	65	59	9.860	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	14900	16.297	ng	# 22
52) 3-Nitroaniline	15.37	138	57	7.567	ng	# 1
55) 4-Nitrophenol	15.64	139	79	7.125	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	14900	14.494	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.99	198	664	5.849	ng	# 1
66) 4-Bromophenyl-phenylether	16.98	248	15471	4.672	ng	# 1

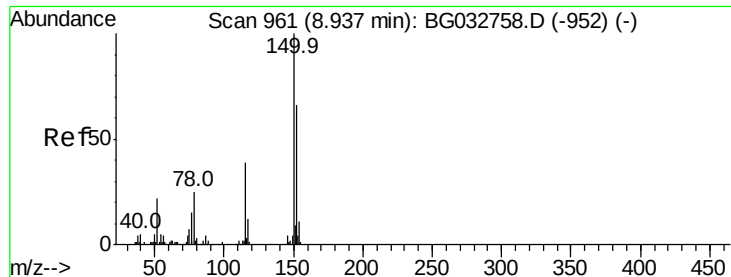
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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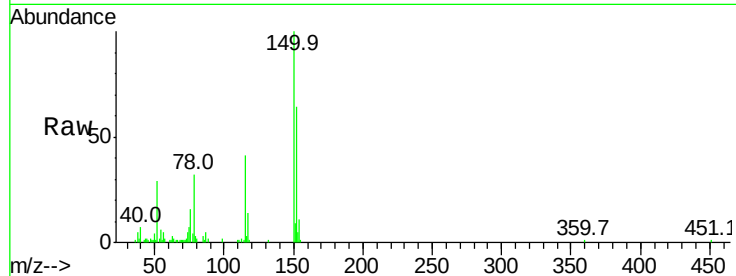


#1

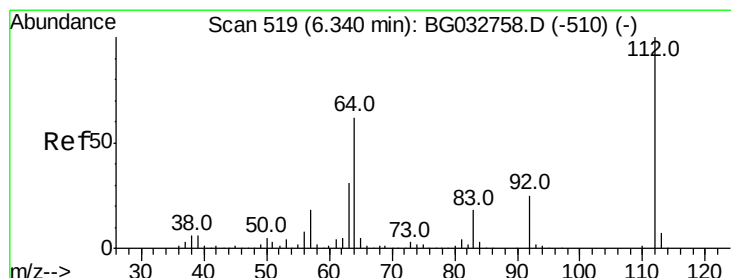
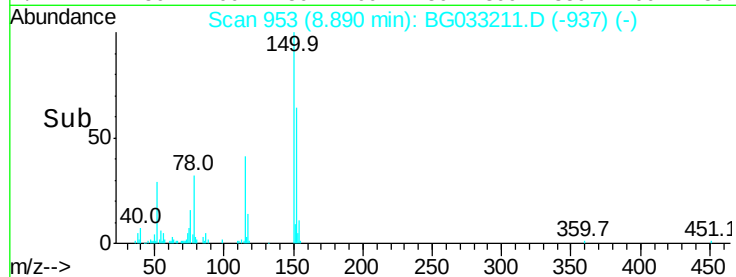
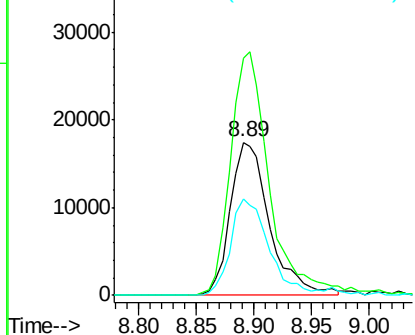
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 953
Delta R.T. -0.01 min
Lab File: BG033211.D
Acq: 16 Mar 2018 22:25

Instrument :
BNA_G
ClientSampleId :
PB107389BL

Tot Ion:152 Resp: 41149
Ion Ratio Lower Upper
152 100
150 155.7 126.6 189.8
115 63.1 53.0 79.4



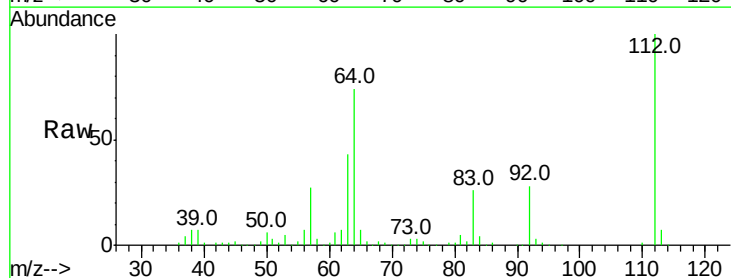
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



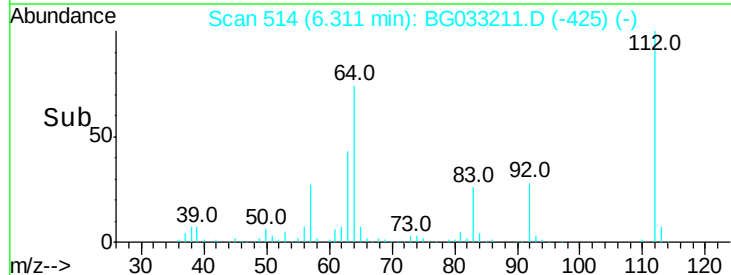
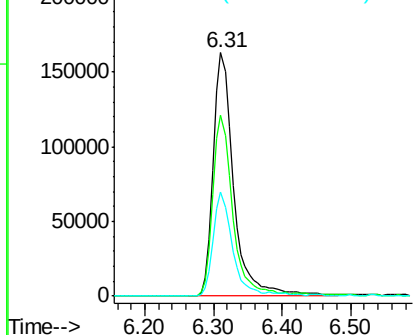
#5

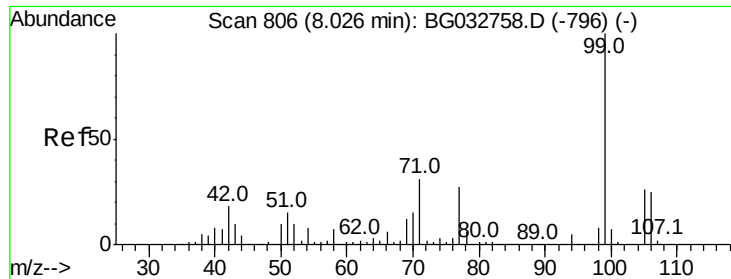
2-Fluorophenol
Concen: 131.620 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.01 min
Lab File: BG033211.D
Acq: 16 Mar 2018 22:25

Tgt Ion:112 Resp: 338533
Ion Ratio Lower Upper
112 100
64 74.1 56.3 84.5
63 42.6 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: 135.847 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

Instrument :

BNA_G

ClientSampleId :

PB107389BL

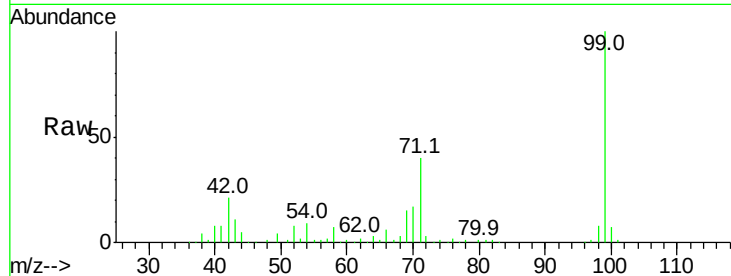
Tot Ion: 99 Resp: 487022

Ion Ratio Lower Upper

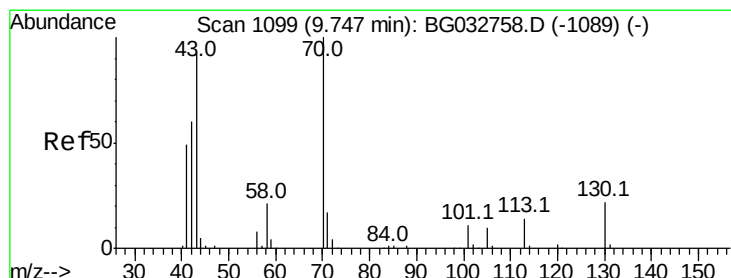
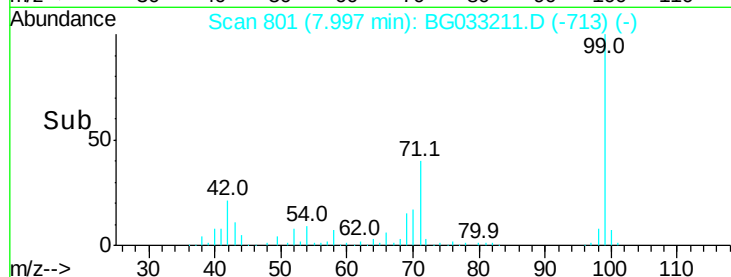
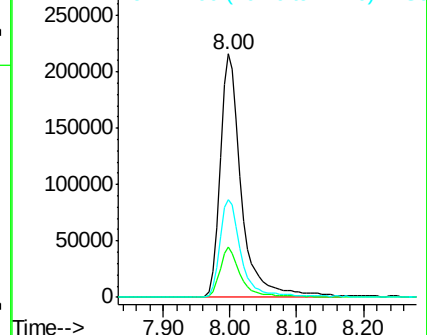
99 100

42 20.6 14.1 21.1

71 39.9 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: 16.906 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.38 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

Tgt Ion: 70 Resp: 42788

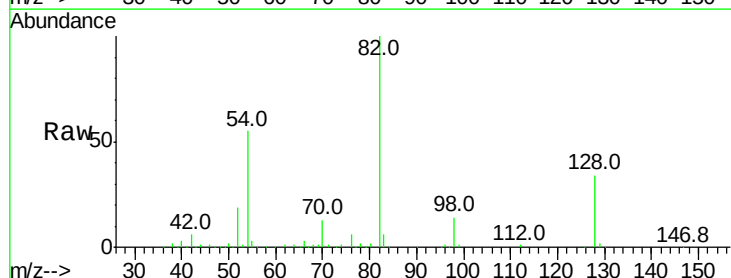
Ion Ratio Lower Upper

70 100

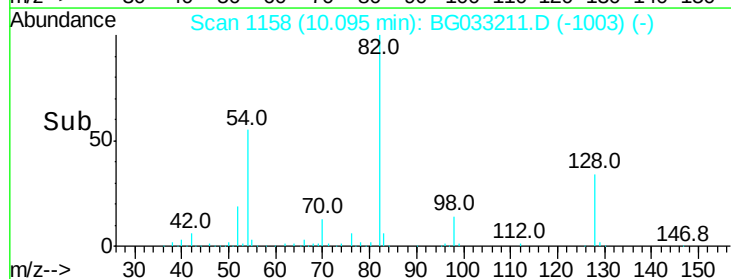
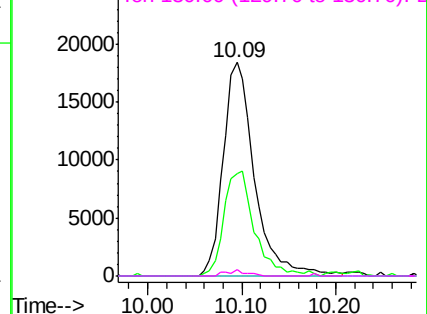
42 48.1 49.1 73.7#

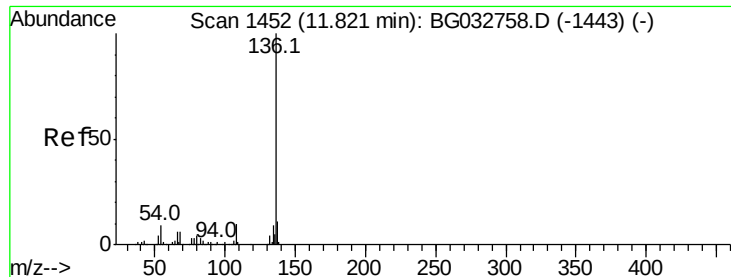
101 0.0 8.5 12.7#

130 3.0 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: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

Instrument :

BNA_G

ClientSampleId :

PB107389BL

Tot Ion:136 Resp: 168547

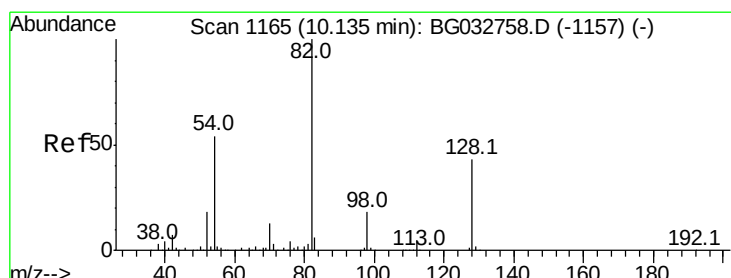
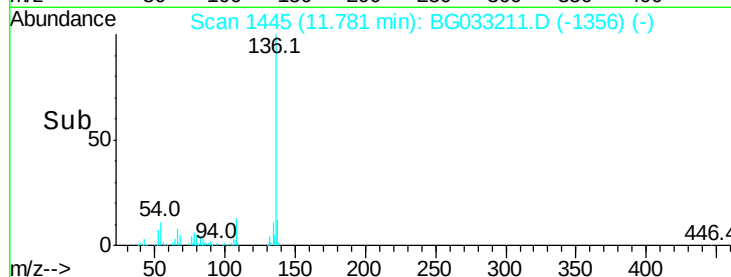
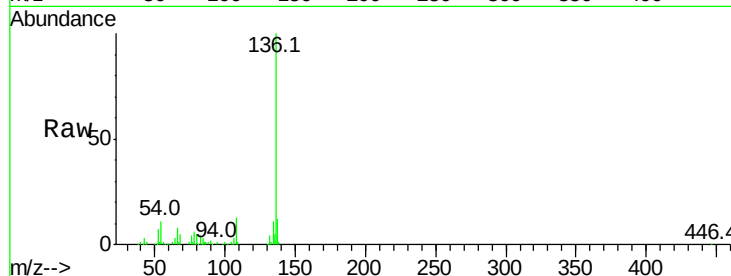
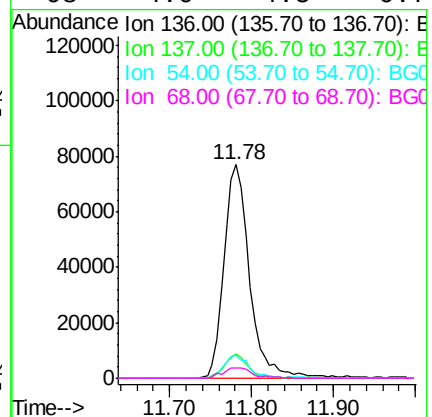
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	10.9	10.3	15.5
68	4.9	4.5	6.7

136 100

137 11.6 9.2 13.8

54 10.9 10.3 15.5

68 4.9 4.5 6.7



#23

Nitrobenzene-d5

Concen: 124.254 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

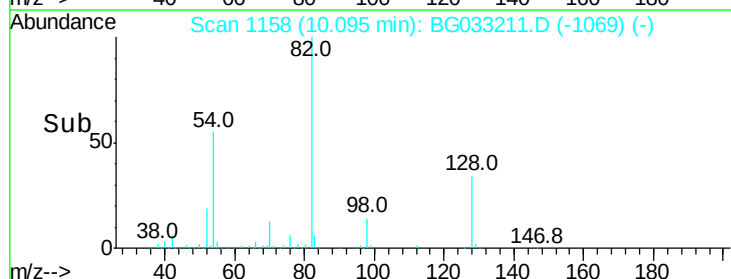
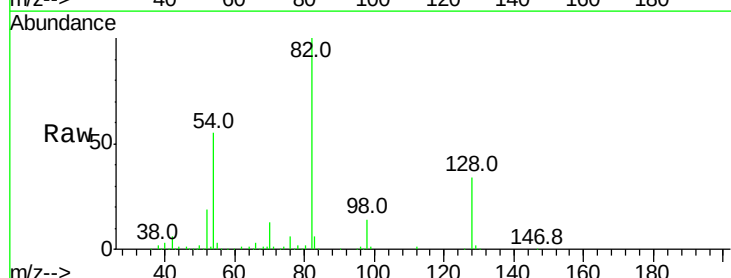
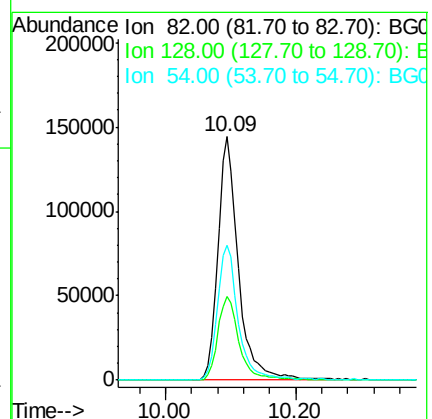
Tgt Ion: 82 Resp: 314375

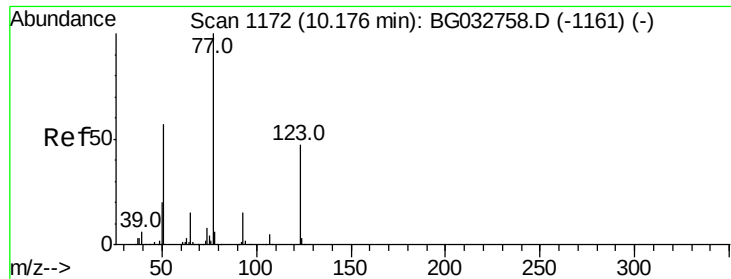
Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	55.1	43.1	64.7

82 100

128 34.4 29.7 44.5

54 55.1 43.1 64.7





#24

Nitrobenzene

Concen: 6.653 ng

RT: 10.09 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

Instrument :

BNA_G

ClientSampleId :

PB107389BL

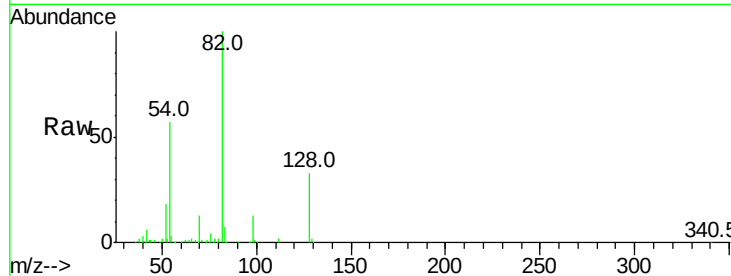
Tot Ion: 77 Resp: 844

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

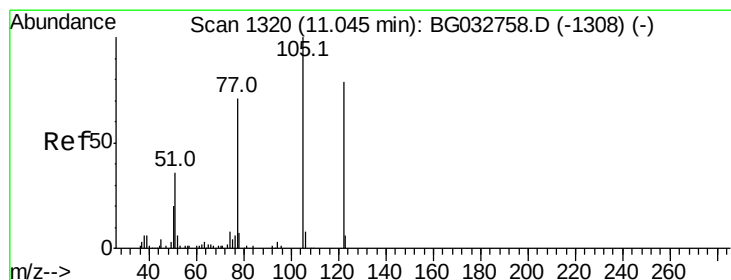
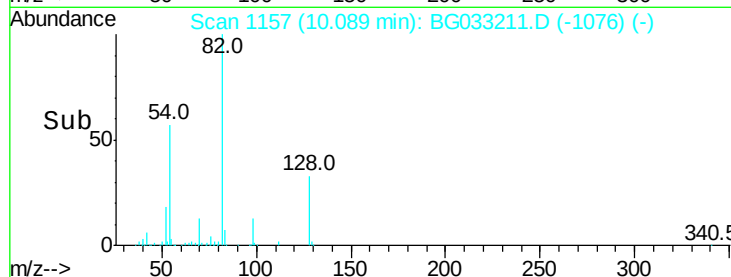
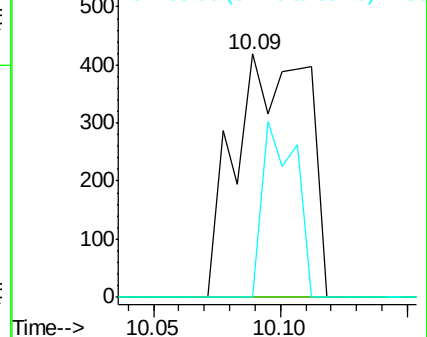
65 0.0 13.0 19.6#



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



#32

Benzoic acid

Concen: 5.857 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.05 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

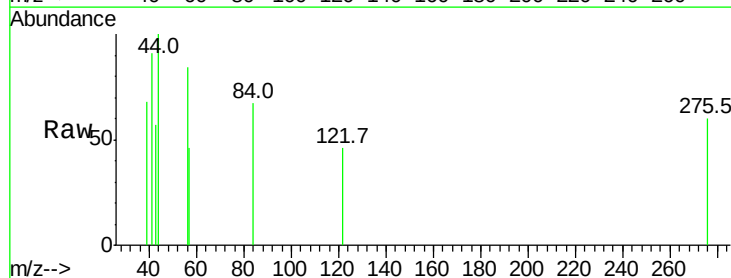
Tgt Ion: 122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

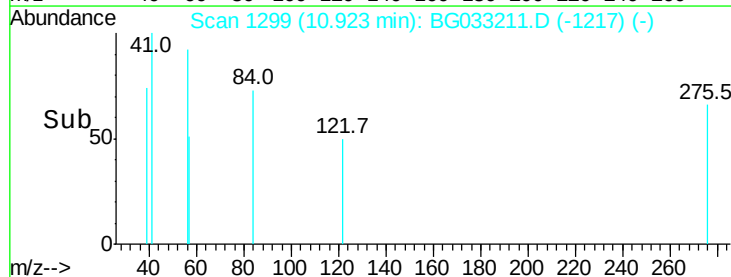
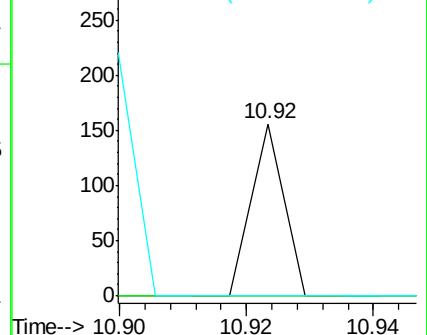
77 0.0 85.7 125.7#

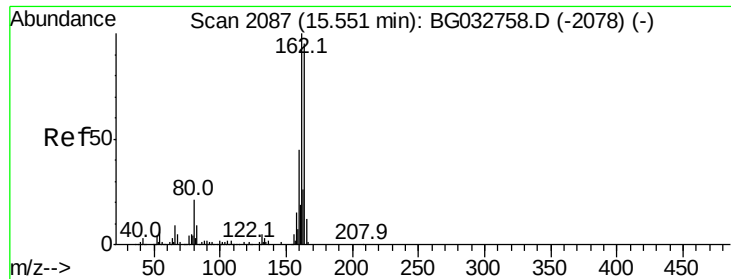


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

Instrument :

BNA_G

ClientSampleId :

PB107389BL

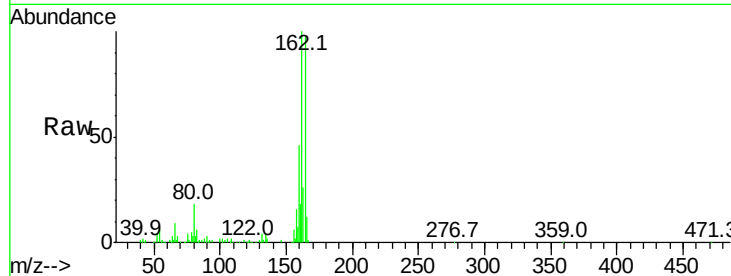
Tot Ion:164 Resp: 116730

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

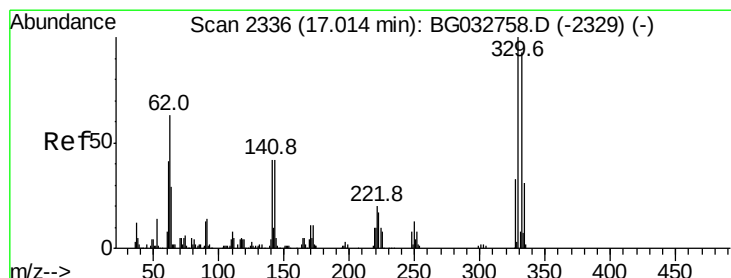
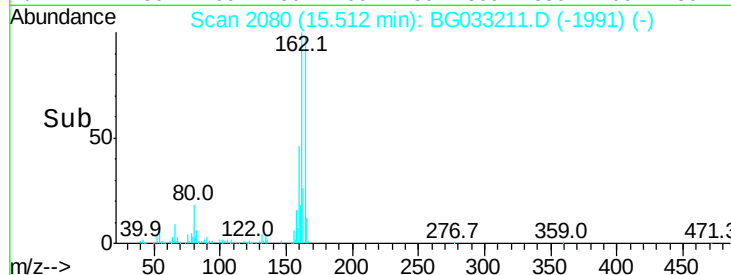
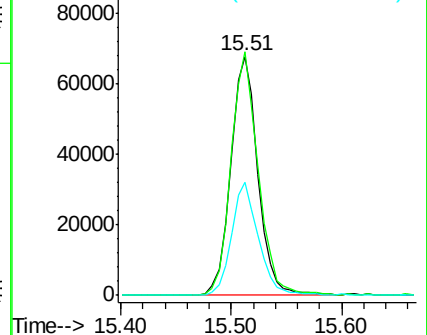
160 47.4 35.4 53.0



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: 167.148 ng

RT: 16.99 min Scan# 2331

Delta R.T. -0.01 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

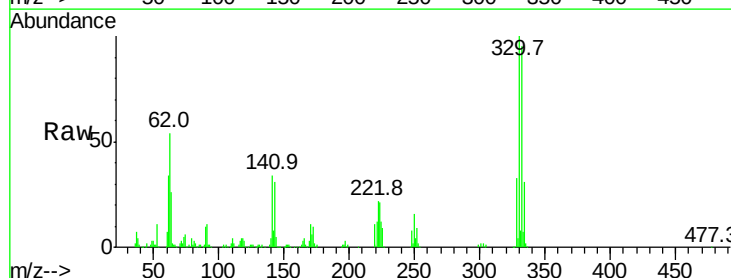
Tgt Ion:330 Resp: 205154

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

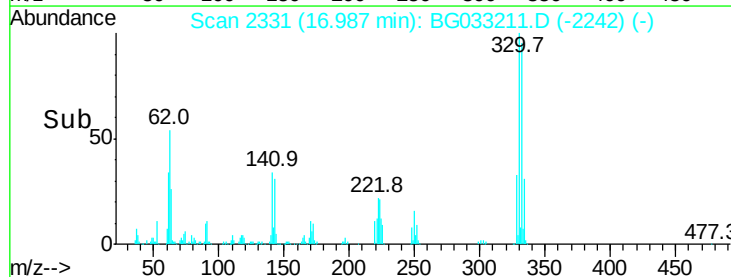
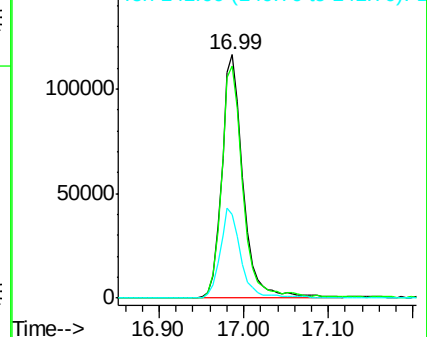
141 36.2 25.2 37.8

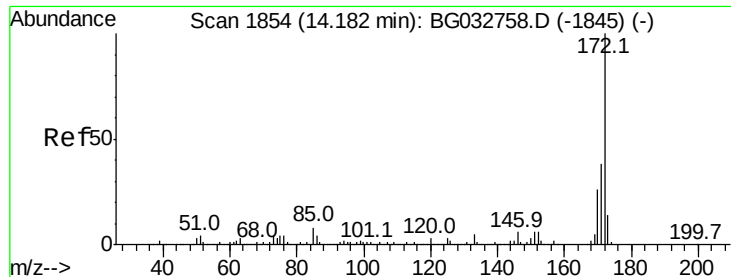


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

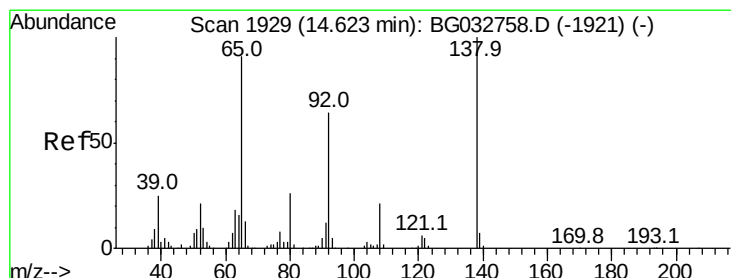
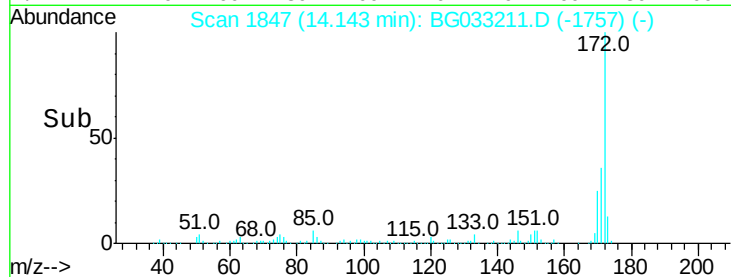
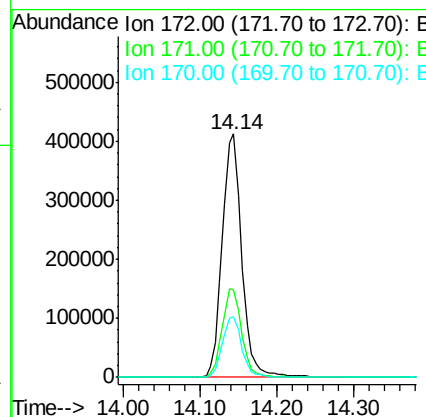
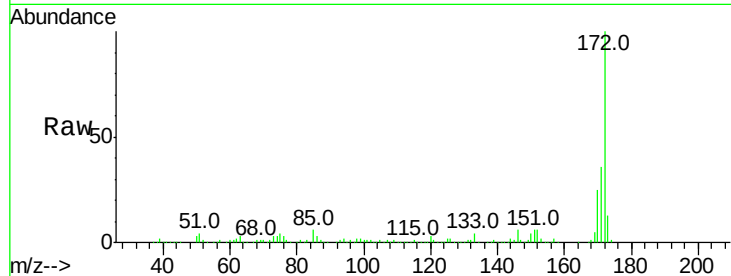




#44
 2-Fluorobiphenyl
 Concen: 89.239 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033211.D
 Acq: 16 Mar 2018 22:25

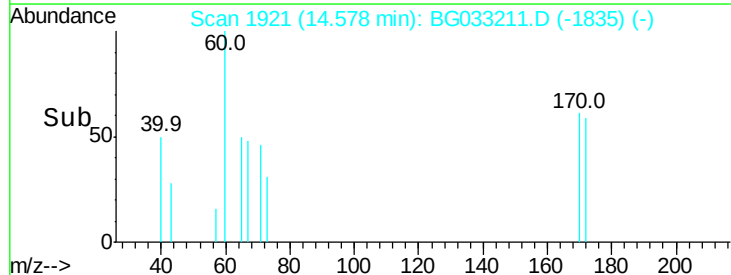
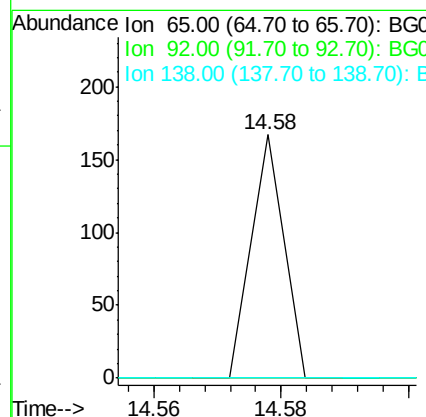
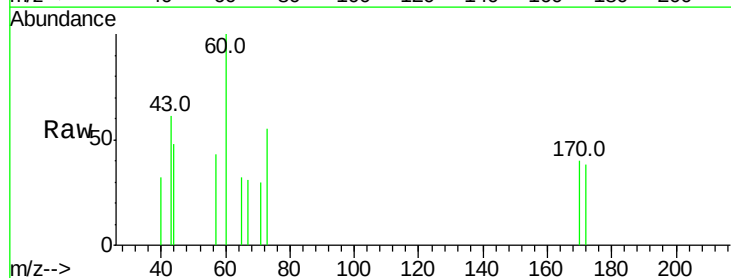
Instrument :
 BNA_G
 ClientSampleId :
 PB107389BL

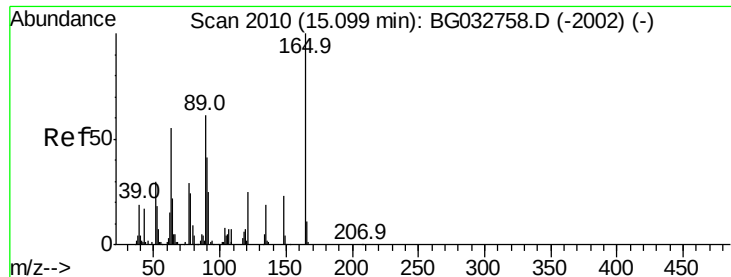
Tot Ion:172 Resp: 722264
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.0 45.0
 170 25.1 19.5 29.3



#47
 2-Nitroaniline
 Concen: 9.860 ng
 RT: 14.58 min Scan# 1921
 Delta R.T. -0.02 min
 Lab File: BG033211.D
 Acq: 16 Mar 2018 22:25

Tgt Ion: 65 Resp: 59
 Ion Ratio Lower Upper
 65 100
 92 0.0 54.6 82.0#
 138 0.0 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.297 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.43 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

Instrument :

BNA_G

ClientSampleId :

PB107389BL

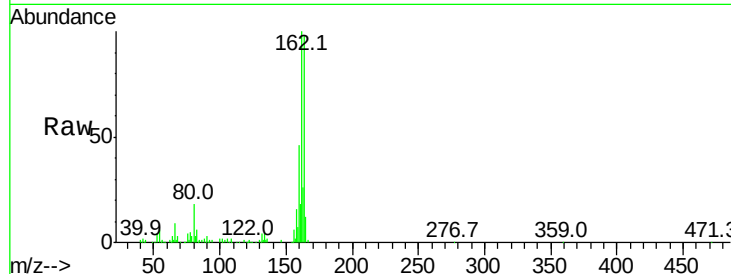
Tot Ion:165 Resp: 14900

Ion Ratio Lower Upper

165 100

63 3.2 52.7 79.1#

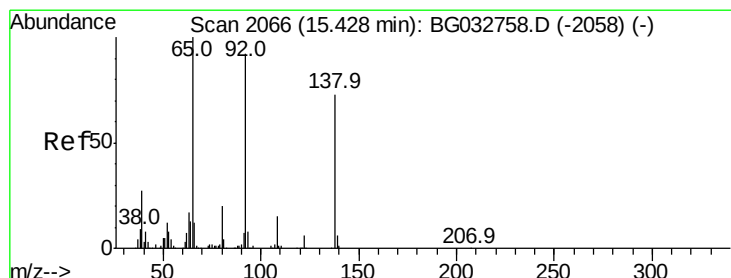
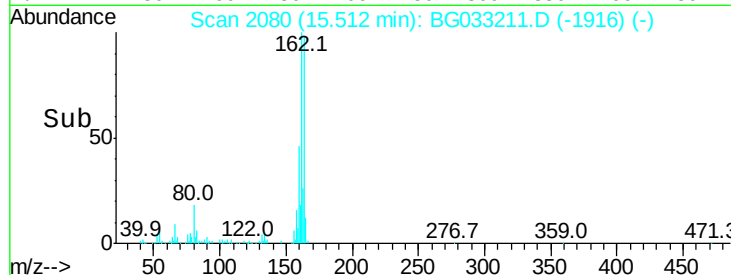
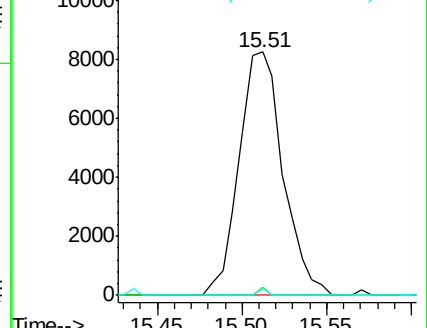
89 2.8 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#52

3-Nitroaniline

Concen: 7.567 ng

RT: 15.37 min Scan# 2056

Delta R.T. -0.04 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

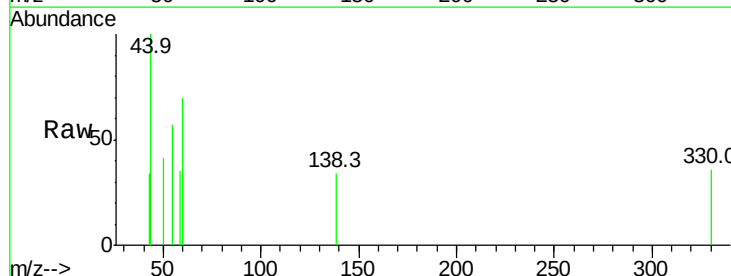
Tgt Ion:138 Resp: 57

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

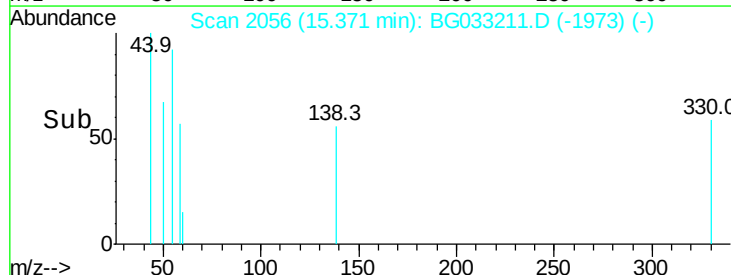
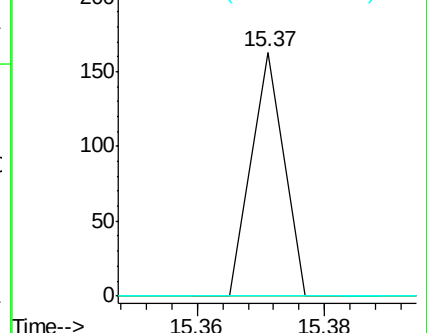
92 0.0 105.8 158.8#

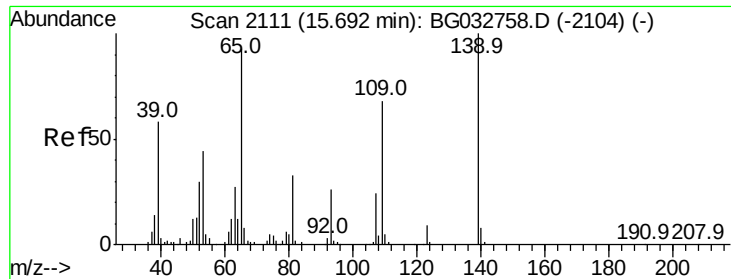


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG0

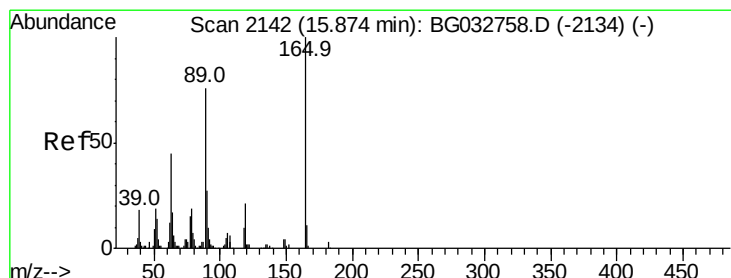
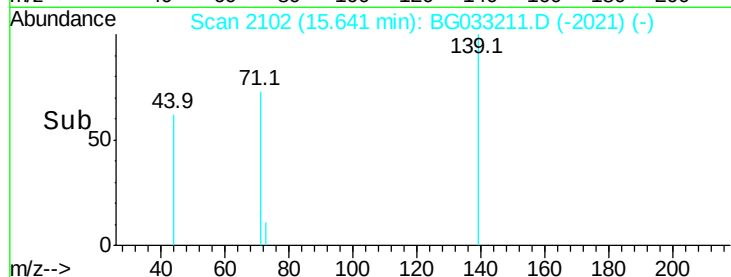
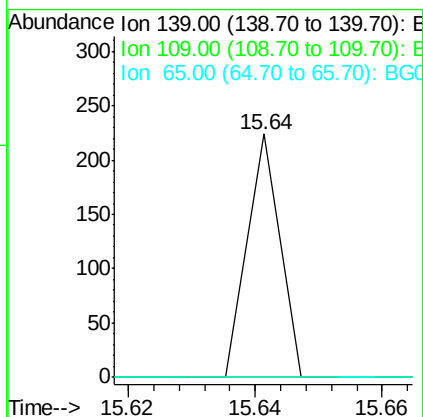
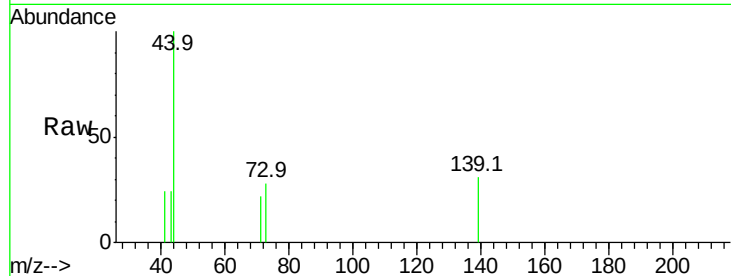




#55
4-Nitrophenol
Concen: 7.125 ng
RT: 15.64 min Scan# 2102
Delta R.T. -0.05 min
Lab File: BG033211.D
Acq: 16 Mar 2018 22:25

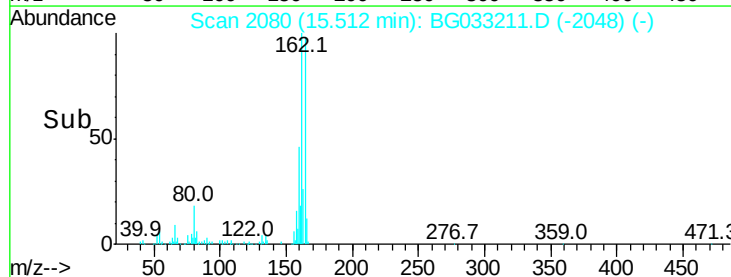
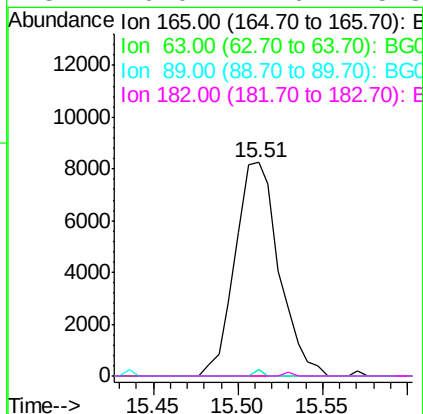
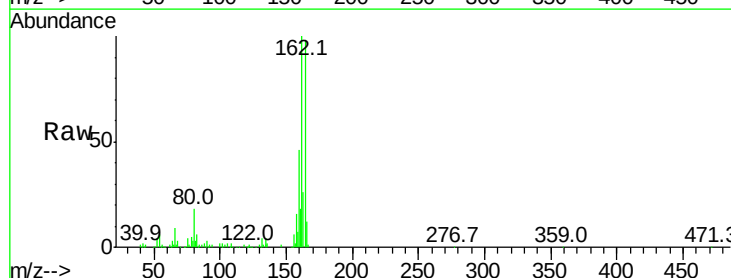
Instrument :
BNA_G
ClientSampleId :
PB107389BL

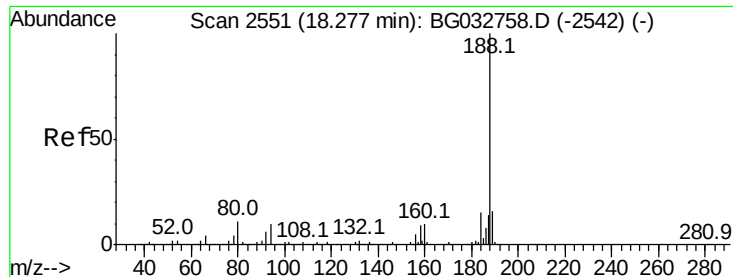
Tot Ion:139 Resp: 79
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 14.494 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033211.D
Acq: 16 Mar 2018 22:25

Tgt Ion:165 Resp: 14900
Ion Ratio Lower Upper
165 100
63 3.2 42.0 63.0#
89 2.8 66.9 100.3#
182 0.0 2.6 3.8#

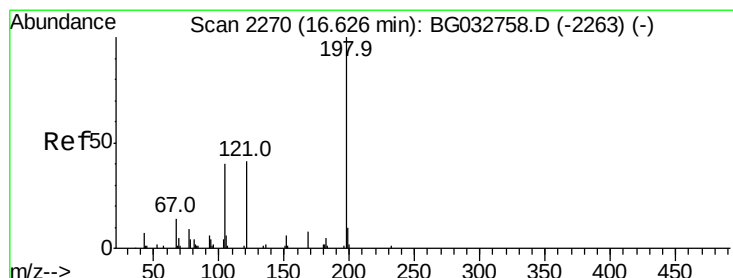
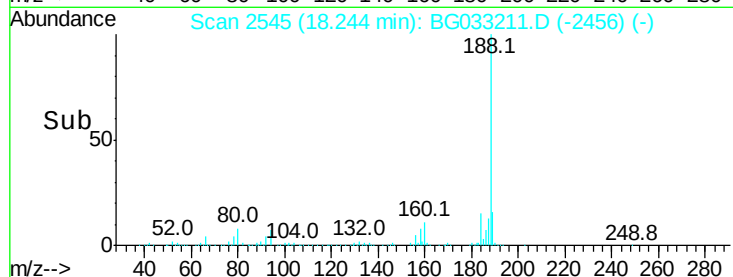
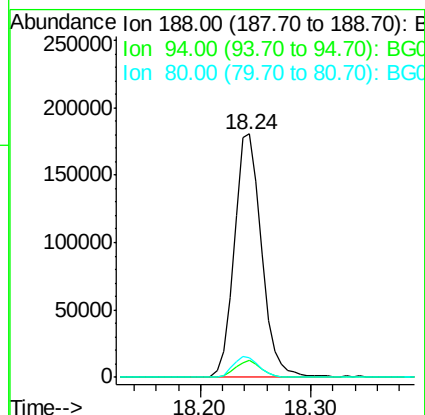
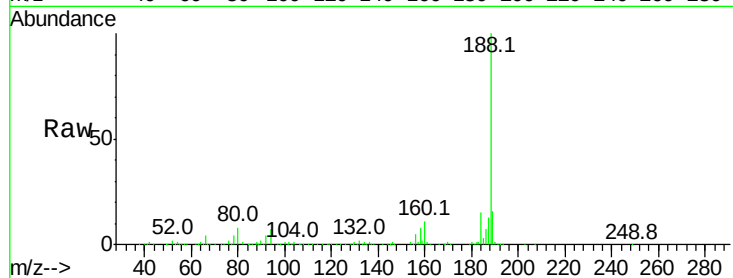




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033211.D
Acq: 16 Mar 2018 22:25

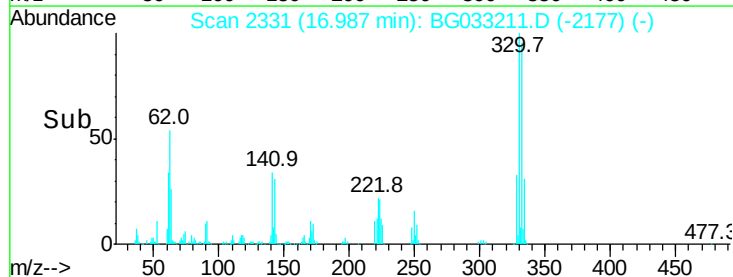
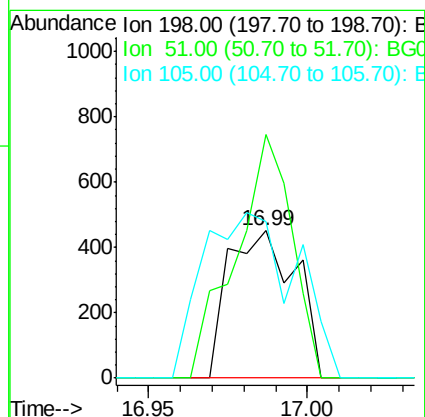
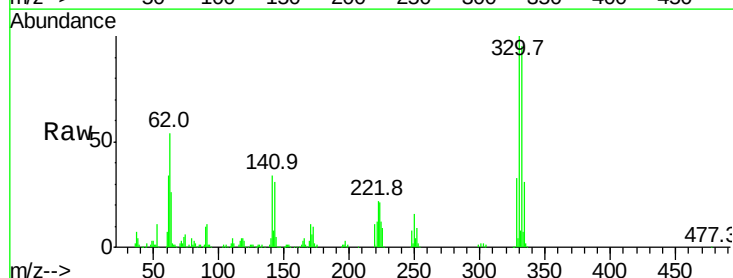
Instrument :
BNA_G
ClientSampleId :
PB107389BL

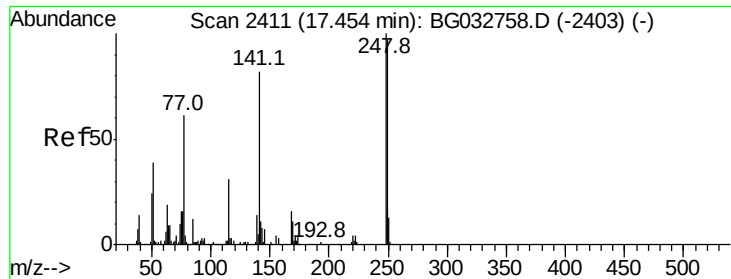
Tot Ion:188 Resp: 313163
Ion Ratio Lower Upper
188 100
94 7.2 6.9 10.3
80 8.1 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.849 ng
RT: 16.99 min Scan# 2331
Delta R.T. 0.38 min
Lab File: BG033211.D
Acq: 16 Mar 2018 22:25

Tgt Ion:198 Resp: 664
Ion Ratio Lower Upper
198 100
51 165.4 30.6 70.6#
105 106.7 23.8 63.8#

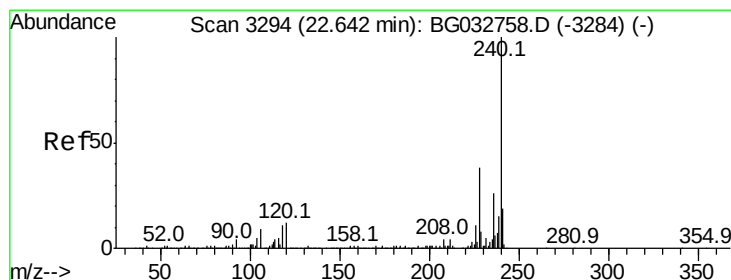
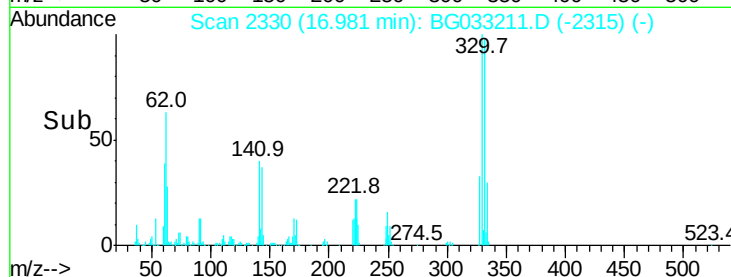
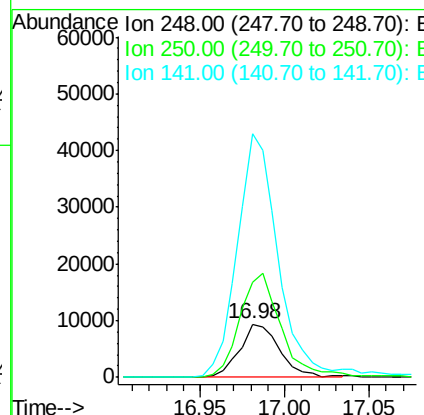
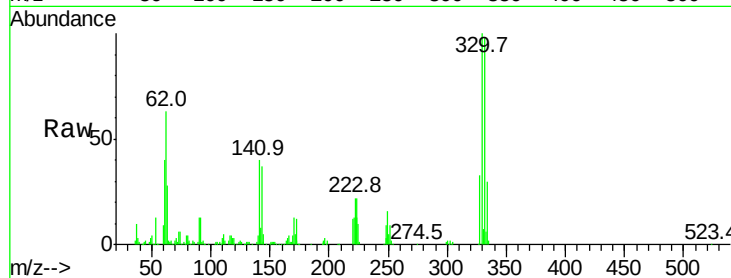




#66
 4-Bromophenyl-phenylether
 Concen: 4.672 ng
 RT: 16.98 min Scan# 2330
 Delta R.T. -0.44 min
 Lab File: BG033211.D
 Acq: 16 Mar 2018 22:25

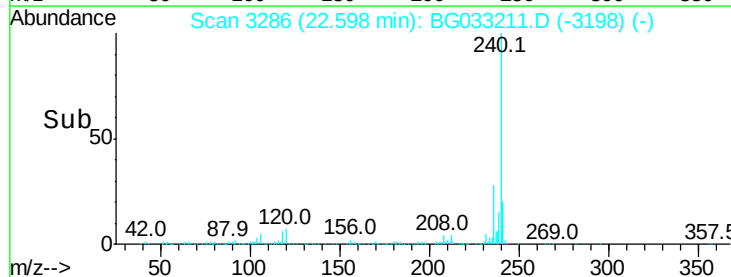
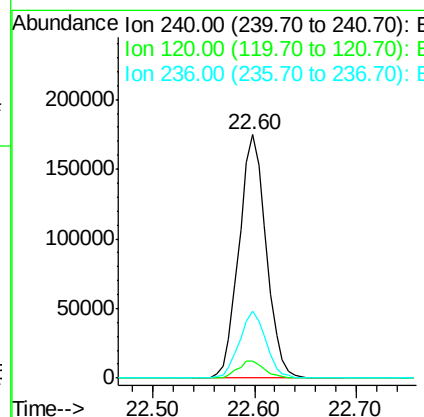
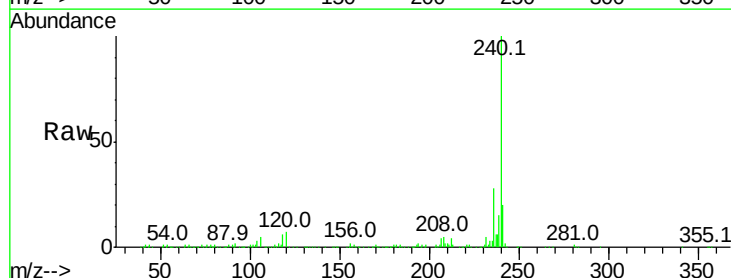
Instrument :
 BNA_G
 ClientSampleId :
 PB107389BL

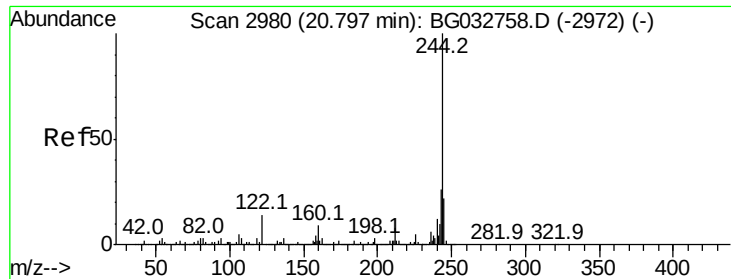
Tot Ion:248 Resp: 15471
 Ion Ratio Lower Upper
 248 100
 250 136.9 77.1 115.7#
 141 348.6 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3286
 Delta R.T. -0.01 min
 Lab File: BG033211.D
 Acq: 16 Mar 2018 22:25

Tgt Ion:240 Resp: 324848
 Ion Ratio Lower Upper
 240 100
 120 6.8 6.8 10.2#
 236 27.6 20.9 31.3





#78

Terphenyl-d14

Concen: 90.271 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

Instrument :

BNA_G

ClientSampleId :

PB107389BL

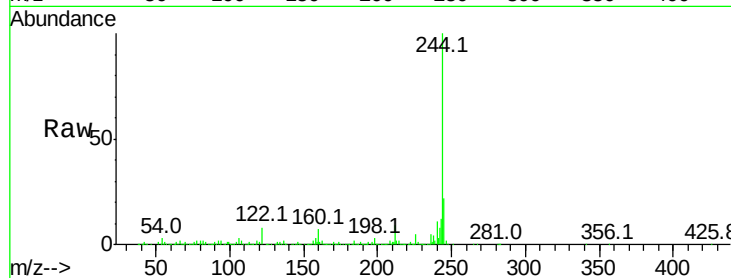
Tot Ion:244 Resp: 1305201

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

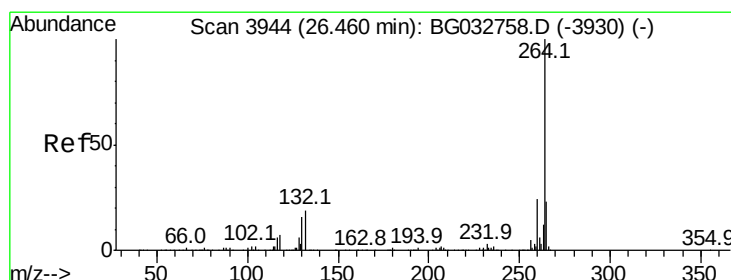
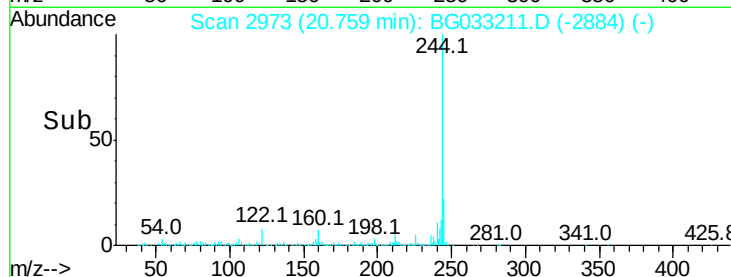
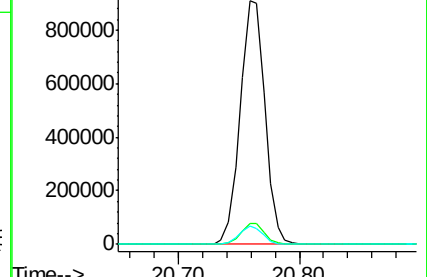
122 7.7 7.0 10.4



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: 26.39 min Scan# 3932

Delta R.T. -0.02 min

Lab File: BG033211.D

Acq: 16 Mar 2018 22:25

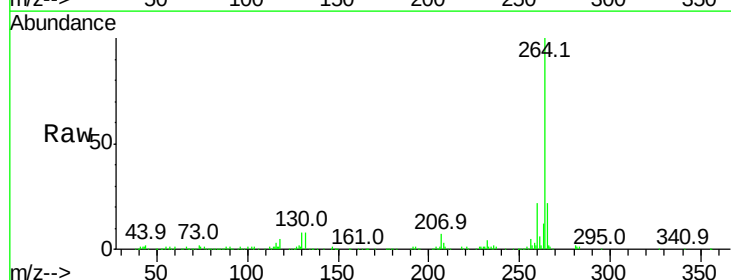
Tgt Ion:264 Resp: 346943

Ion Ratio Lower Upper

264 100

260 21.8 17.4 26.0

265 22.2 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

