

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033153.D
 Acq On : 14 Mar 2018 19:02
 Operator : SJ/JU
 Sample : J1898-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:11:17 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	35783	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	157221	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	93032	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	240908	20.00	ng	0.00
75) Chrysene-d12	22.60	240	226164	20.00	ng	0.00
86) Perylene-d12	26.40	264	236940	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	354619	158.55	ng	0.00
7) Phenol-d6	8.01	99	436538	140.03	ng	0.00
23) Nitrobenzene-d5	10.10	82	320436	134.85	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	252867	258.50	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	718121	111.33	ng	0.00
78) Terphenyl-d14	20.77	244	1284754	127.63	ng	0.00

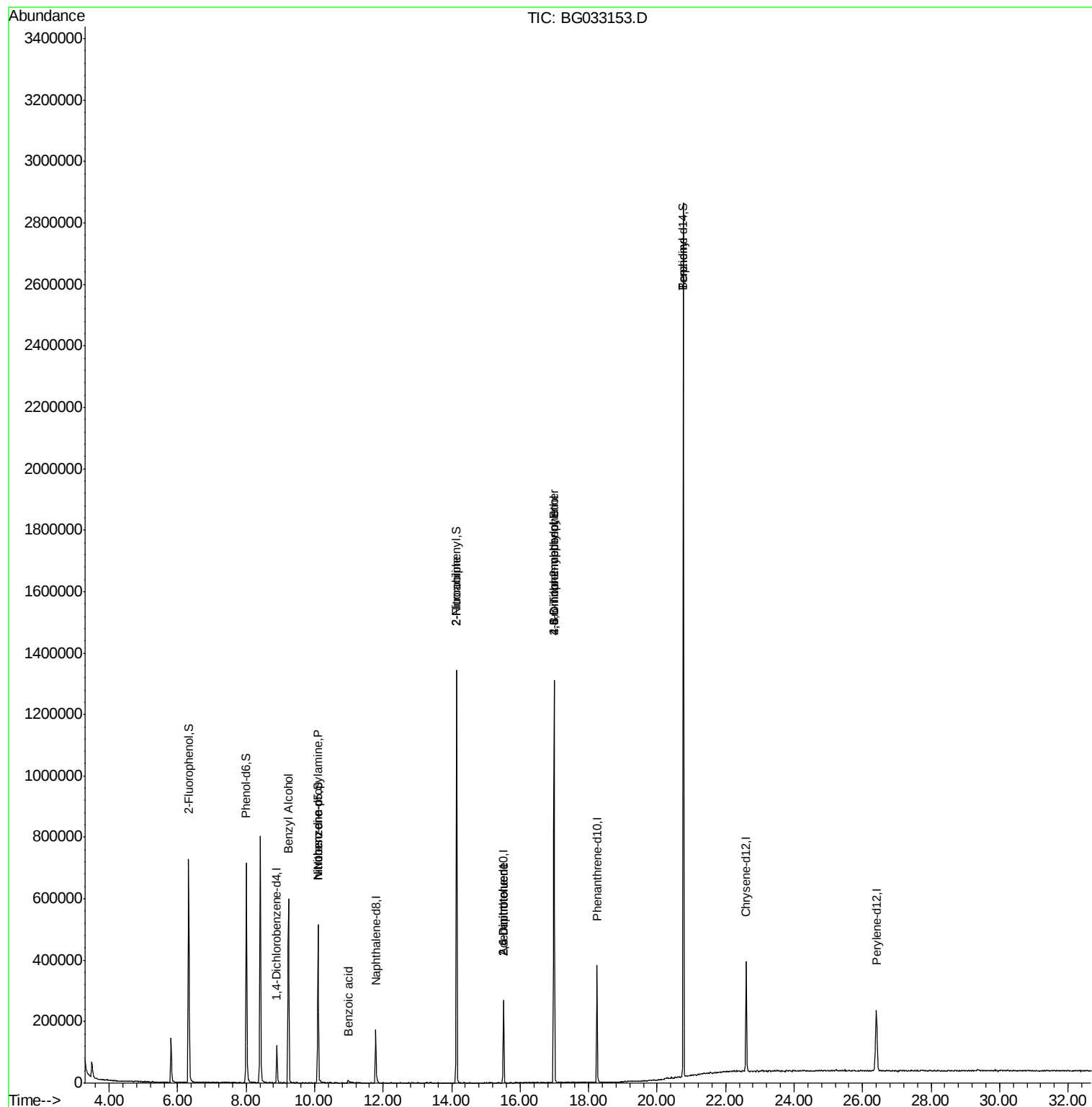
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	5466	2.385	ng	# 41
19) n-Nitroso-di-n-propylamine	10.10	70	44490	20.214	ng	# 81
24) Nitrobenzene	10.09	77	892	6.689	ng	# 44
32) Benzoic acid	10.97	122	4538	9.420	ng	# 63
47) 2-Nitroaniline	14.14	65	1471	10.599	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	11984	16.365	ng	# 22
56) 2,4-Dinitrotoluene	15.51	165	11984	14.563	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.98	198	301	5.480	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16933	6.647	ng	# 1
76) Benzidine	20.77	184	22174	2.876	ng	# 91

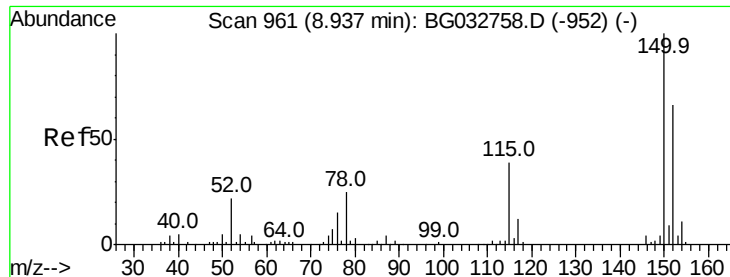
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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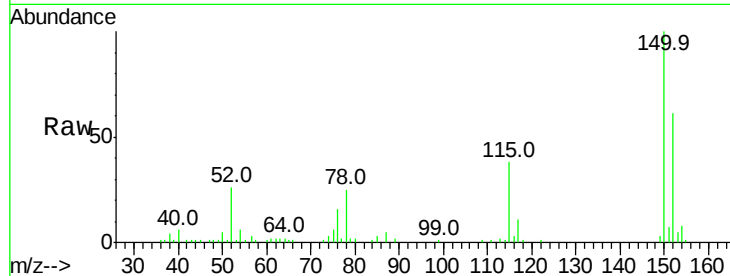


#1

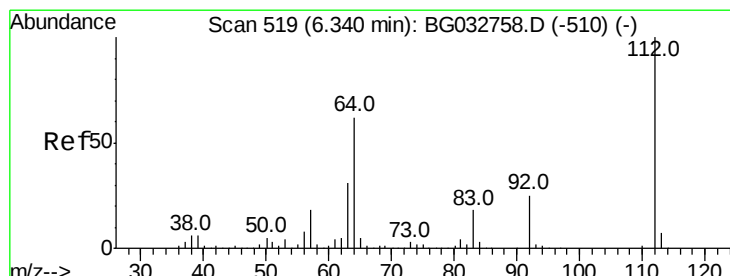
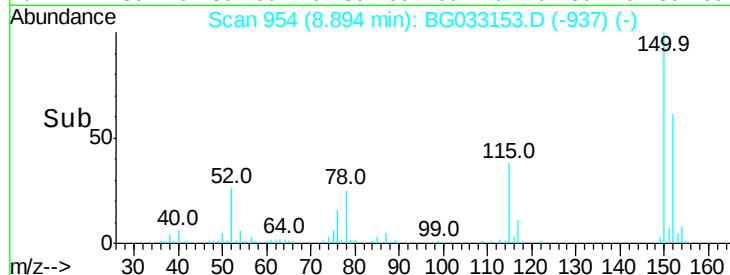
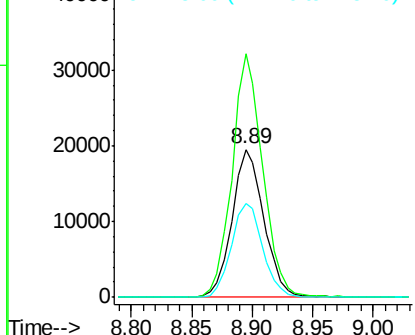
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033153.D
Acq: 14 Mar 2018 19:02

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 35783
Ion Ratio Lower Upper
152 100
150 164.8 126.6 189.8
115 63.2 53.0 79.4



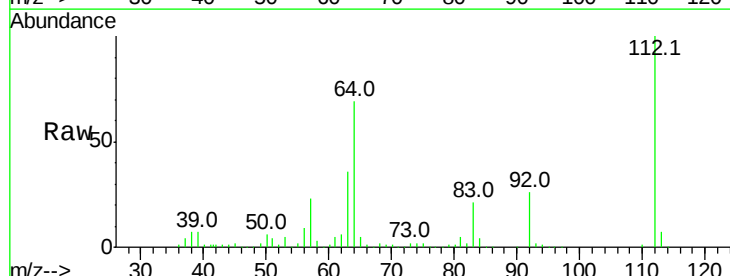
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



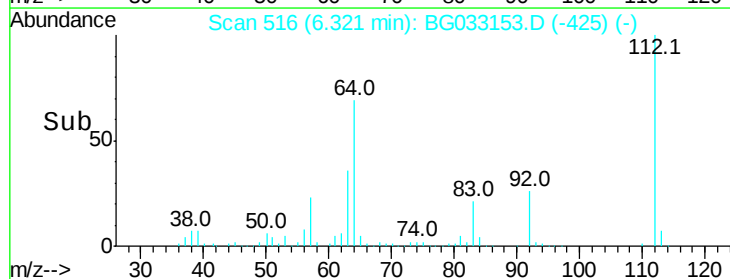
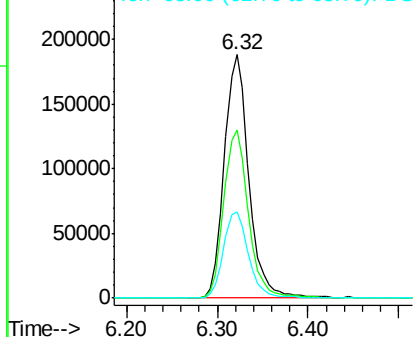
#5

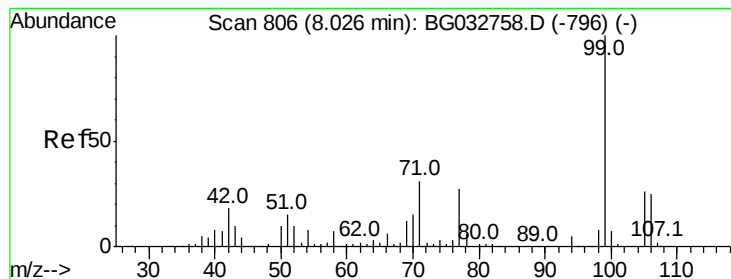
2-Fluorophenol
Concen: 158.550 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033153.D
Acq: 14 Mar 2018 19:02

Tgt Ion:112 Resp: 354619
Ion Ratio Lower Upper
112 100
64 69.2 56.3 84.5
63 35.5 30.1 45.1



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





#7

Phenol-d6

Concen: 140.025 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

Instrument :

BNA_G

ClientSampleId :

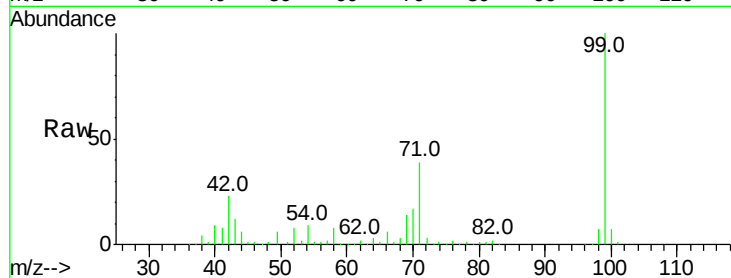
Tot Ion: 99 Resp: 436538

Ion Ratio Lower Upper

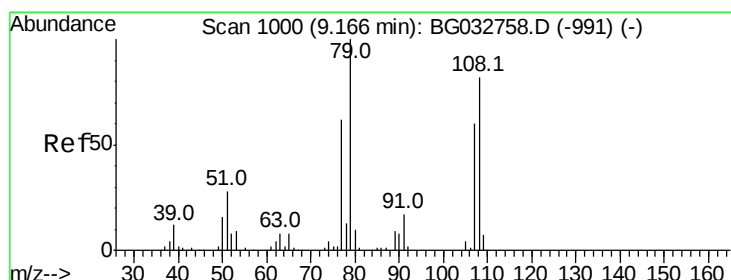
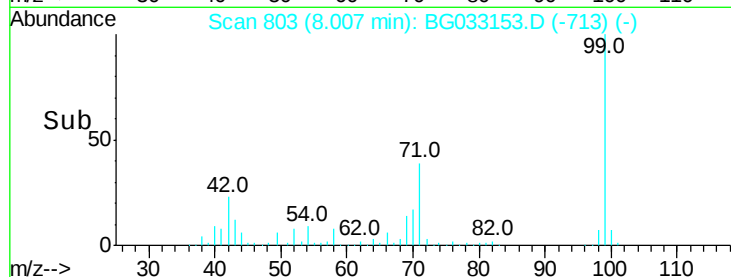
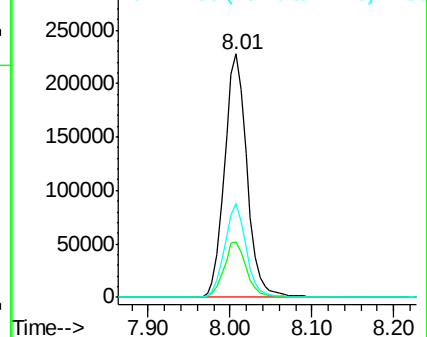
99 100

42 22.8 14.1 21.1#

71 38.6 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: 2.385 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

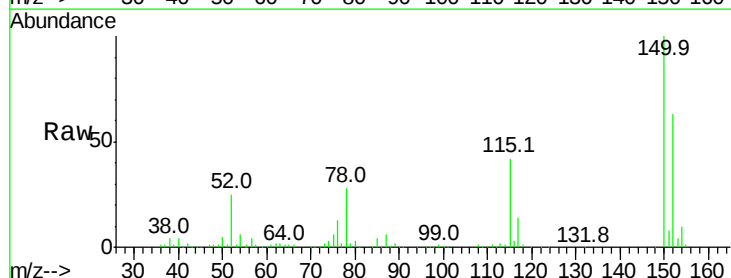
Tgt Ion: 79 Resp: 5466

Ion Ratio Lower Upper

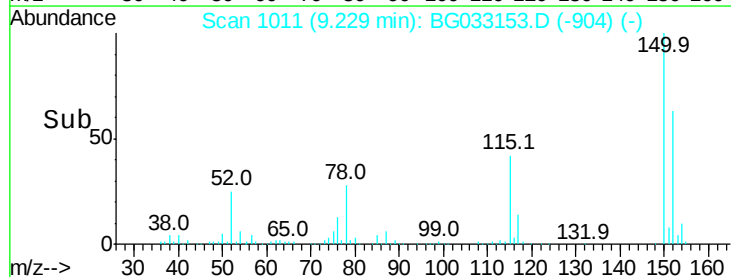
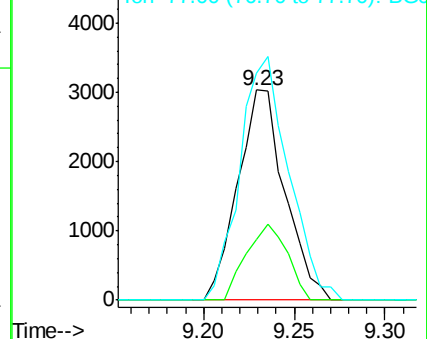
79 100

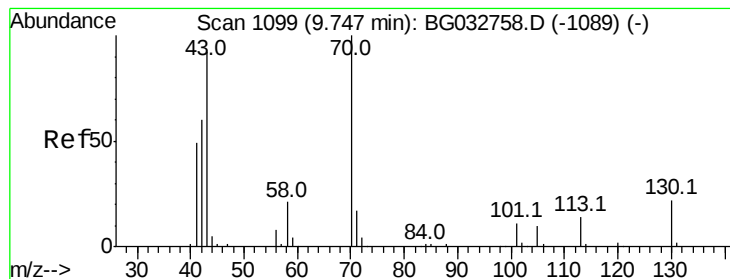
108 28.9 57.2 85.8#

77 108.3 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: 20.214 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 44490

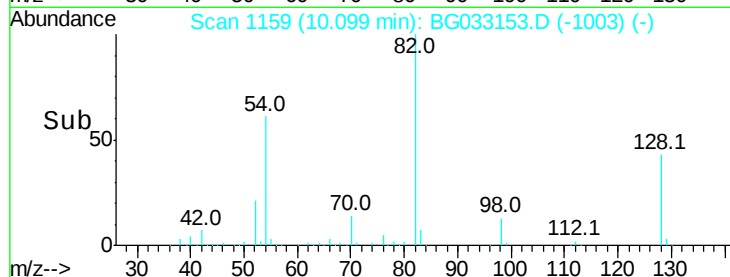
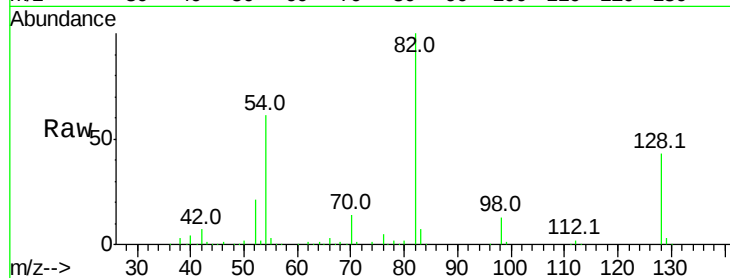
Ion Ratio Lower Upper

70 100

42 51.3 49.1 73.7

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

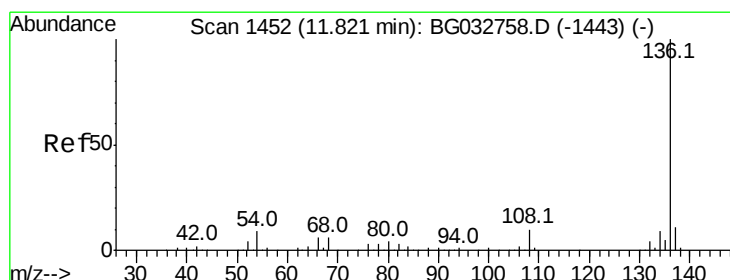
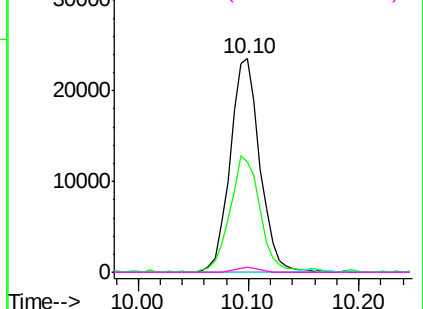


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

Tgt Ion: 136 Resp: 157221

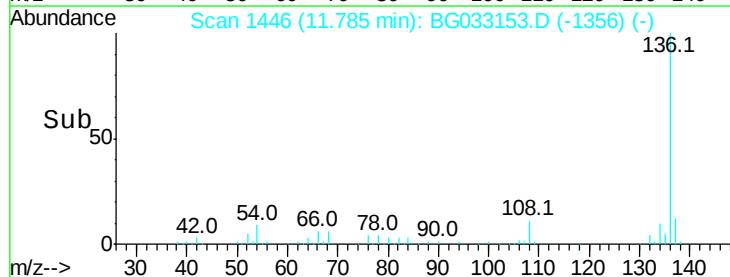
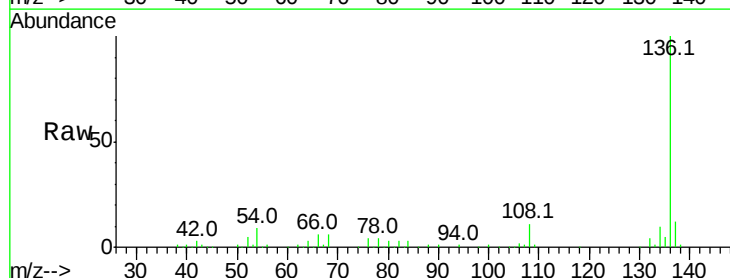
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 9.4 10.3 15.5#

68 6.2 4.5 6.7

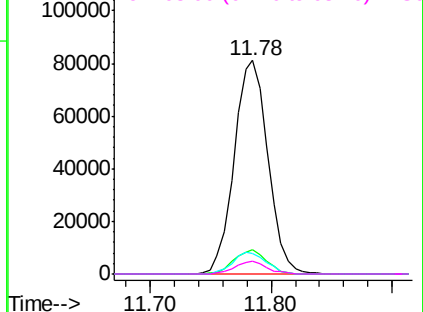


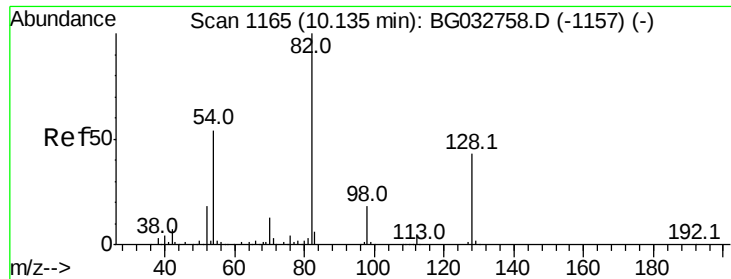
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

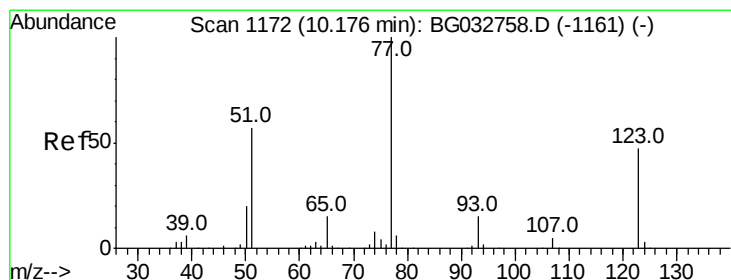
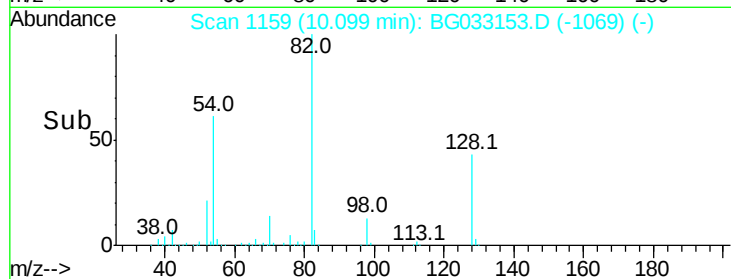
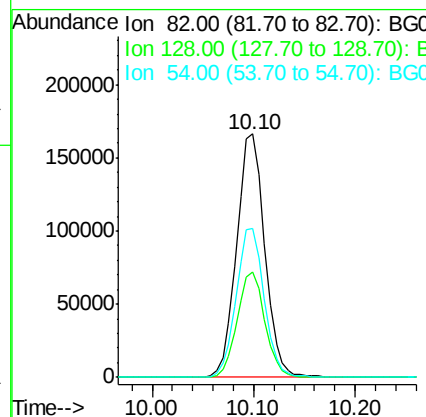
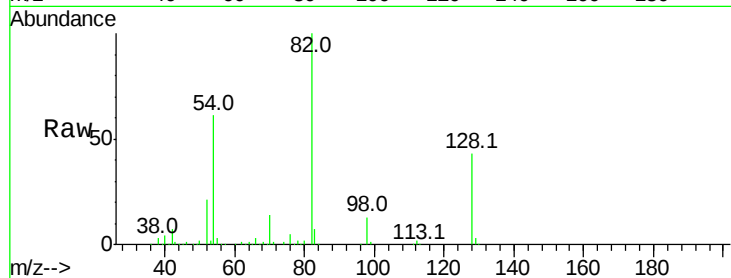




#23
 Nitrobenzene-d5
 Concen: 134.854 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BG033153.D
 Acq: 14 Mar 2018 19:02

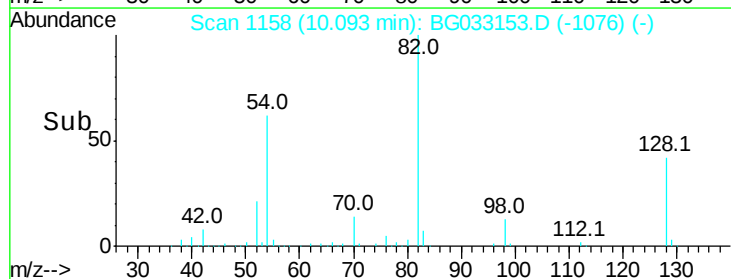
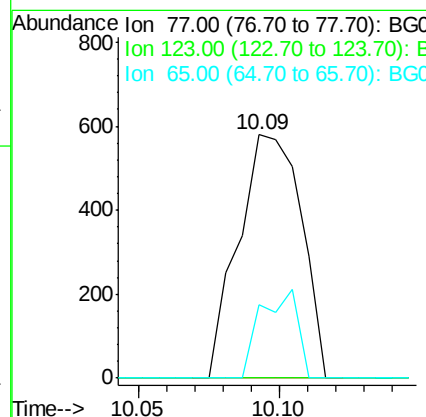
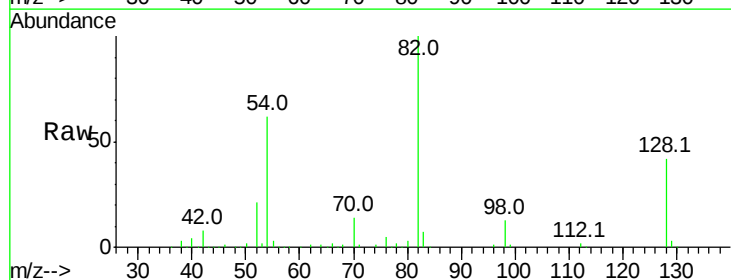
Instrument :
 BNA_G
 ClientSampled :

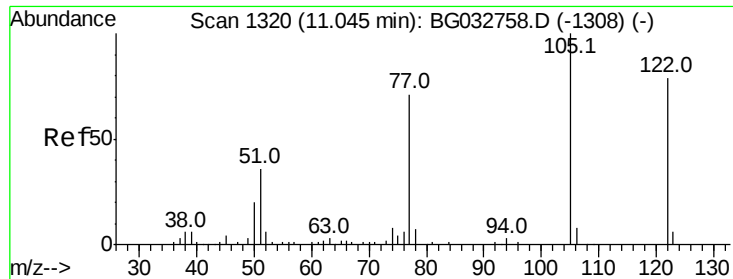
Tot Ion	82	Resp	320436
Ion Ratio	100	Lower	Upper
128	43.2	29.7	44.5
54	61.0	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.689 ng
 RT: 10.09 min Scan# 1158
 Delta R.T. -0.05 min
 Lab File: BG033153.D
 Acq: 14 Mar 2018 19:02

Tgt Ion	77	Resp	892
Ion Ratio	100	Lower	Upper
123	0.0	33.0	49.6#
65	30.2	13.0	19.6#

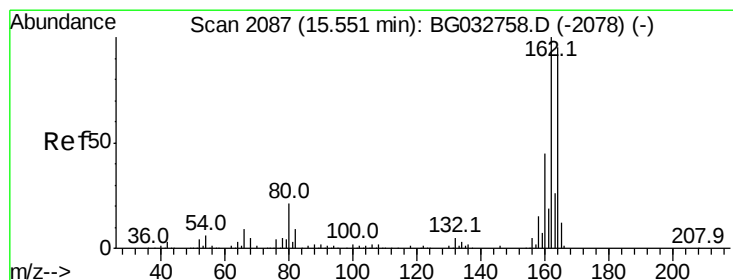
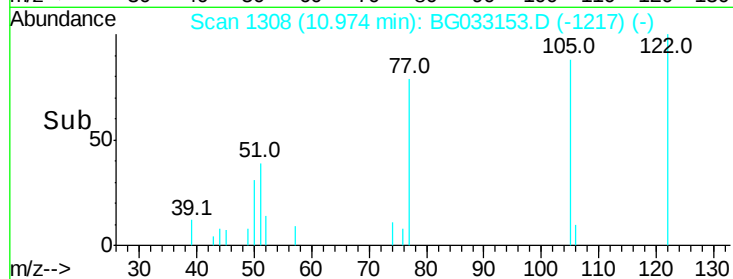
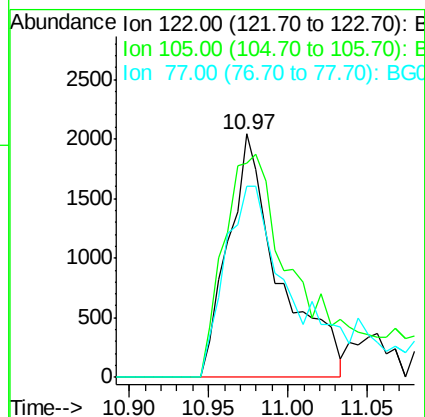
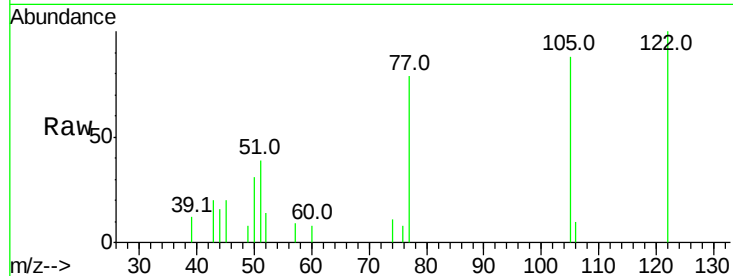




#32
Benzoic acid
Concen: 9.420 ng
RT: 10.97 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BG033153.D
Acq: 14 Mar 2018 19:02

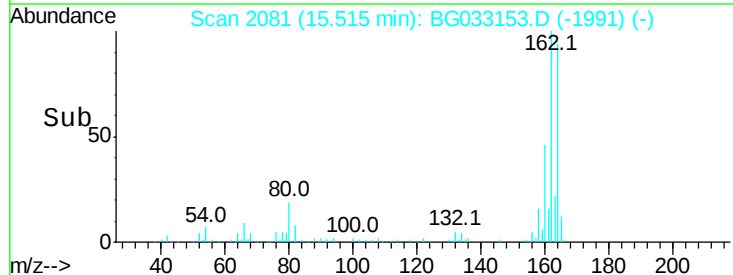
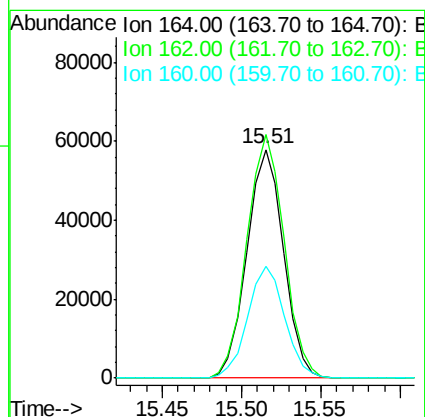
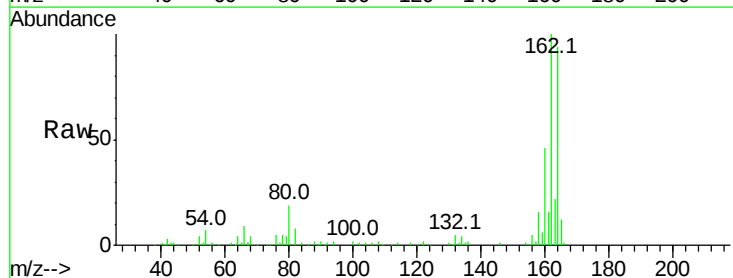
Instrument :
BNA_G
ClientSampled :

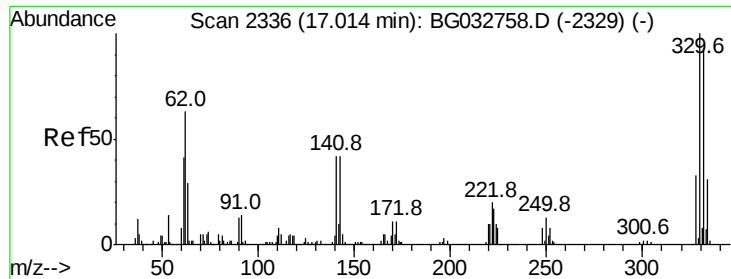
Tot Ion:122 Resp: 4538
Ion Ratio Lower Upper
122 100
105 87.9 123.5 163.5#
77 78.6 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.00 min
Lab File: BG033153.D
Acq: 14 Mar 2018 19:02

Tgt Ion:164 Resp: 93032
Ion Ratio Lower Upper
164 100
162 106.5 78.8 118.2
160 48.7 35.4 53.0

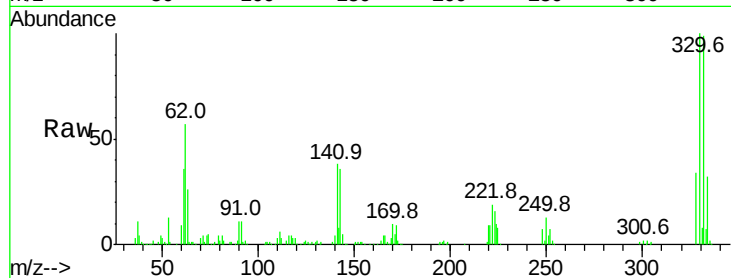




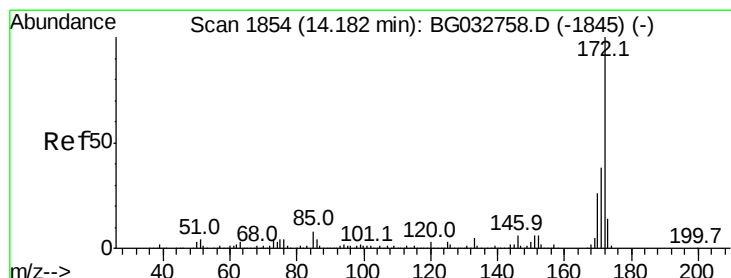
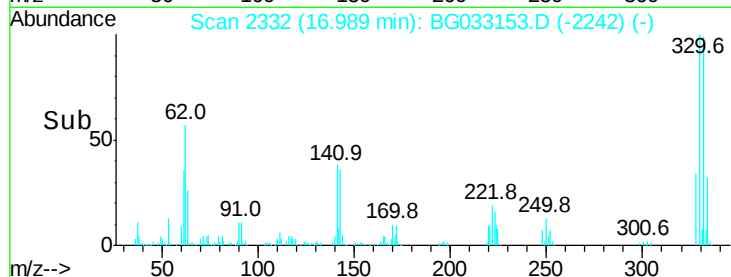
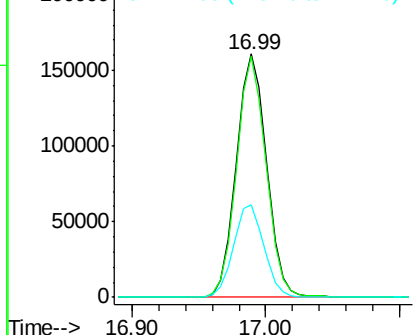
#41
 2,4,6-Tribromophenol
 Concen: 258.502 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033153.D
 Acq: 14 Mar 2018 19:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 252867
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 38.3 25.2 37.8#

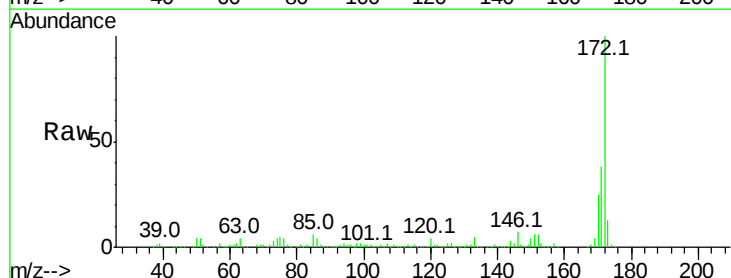


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

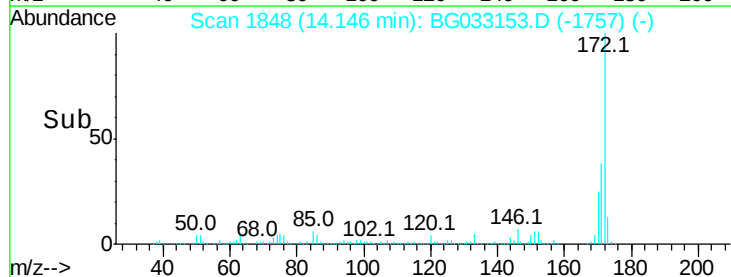
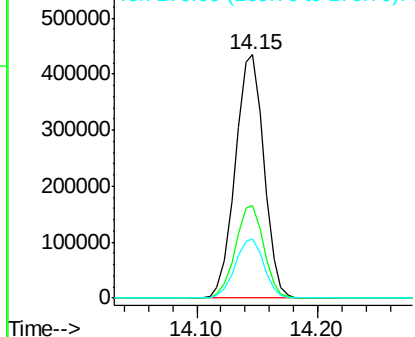


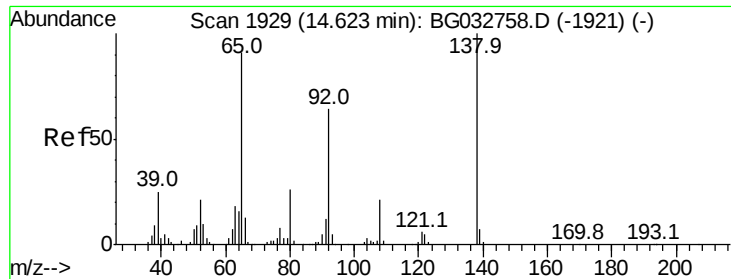
#44
 2-Fluorobiphenyl
 Concen: 111.329 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033153.D
 Acq: 14 Mar 2018 19:02

Tgt Ion:172 Resp: 718121
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 24.5 19.5 29.3



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

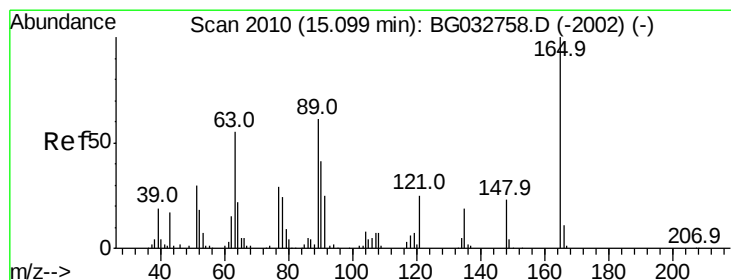
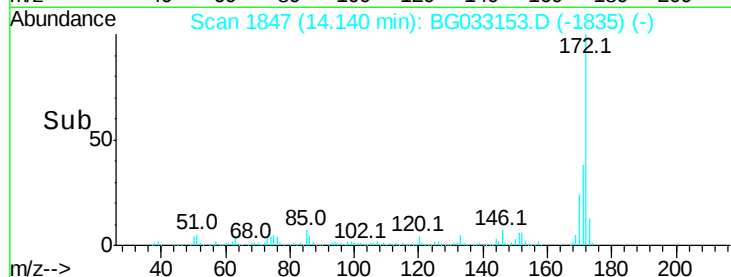
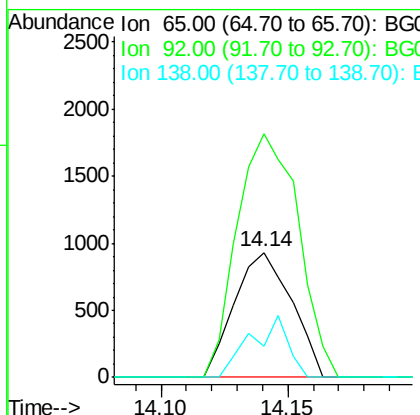
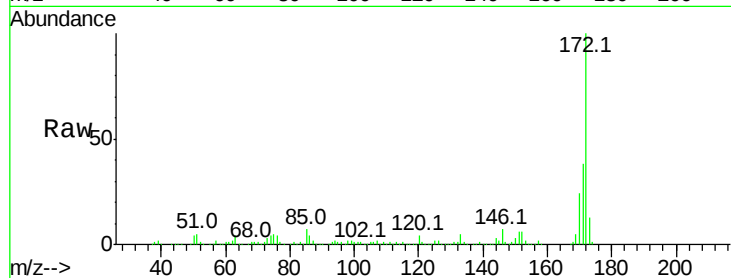




#47
2-Nitroaniline
Concen: 10.599 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033153.D
Acq: 14 Mar 2018 19:02

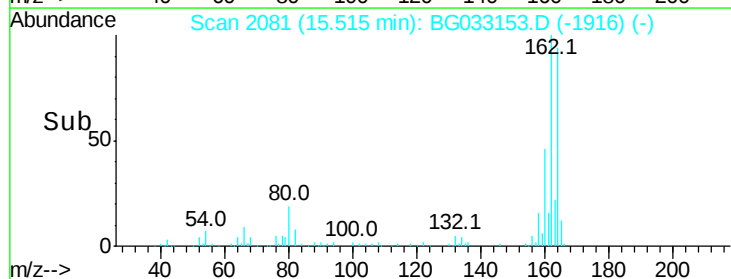
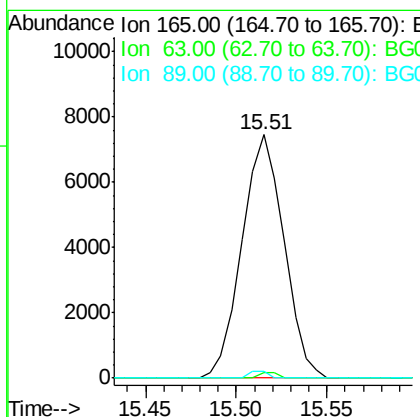
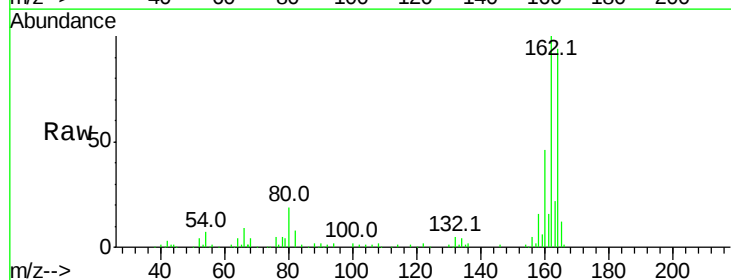
Instrument :
BNA_G
ClientSampleId :

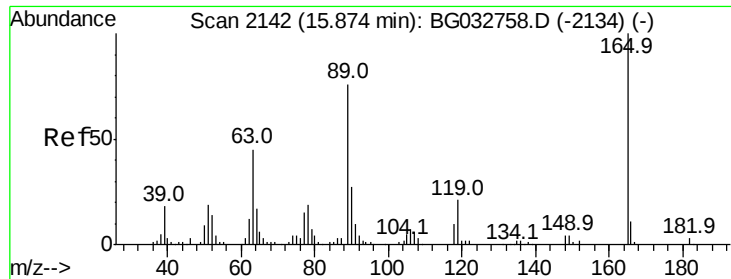
Tot Ion: 65 Resp: 1471
Ion Ratio Lower Upper
65 100
92 194.6 54.6 82.0#
138 25.4 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.365 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033153.D
Acq: 14 Mar 2018 19:02

Tgt Ion:165 Resp: 11984
Ion Ratio Lower Upper
165 100
63 2.2 52.7 79.1#
89 2.9 49.2 73.8#

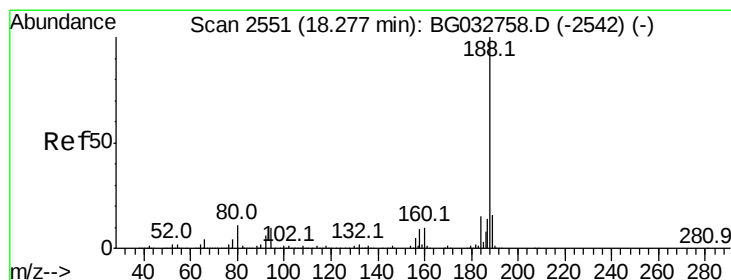
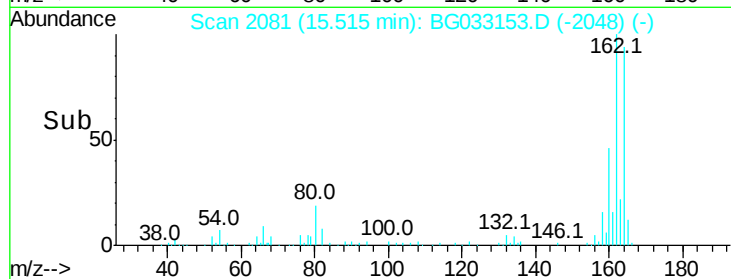
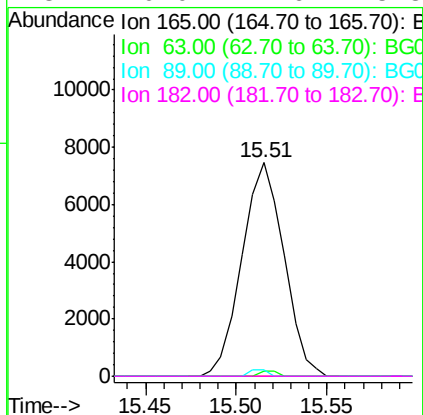
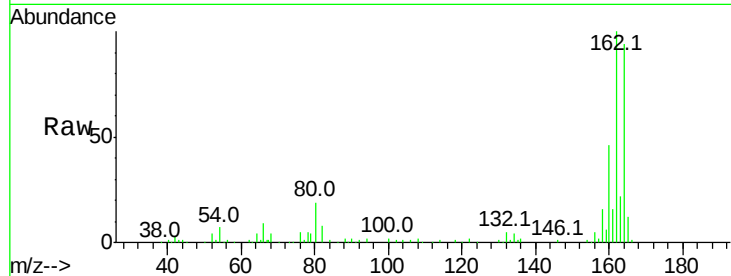




#56
 2,4-Dinitrotoluene
 Concen: 14.563 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033153.D
 Acq: 14 Mar 2018 19:02

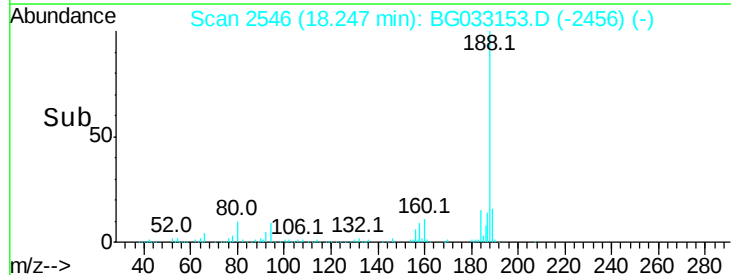
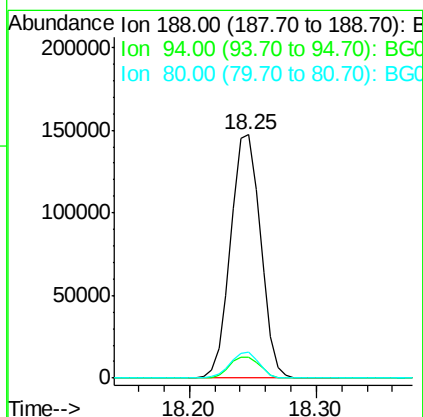
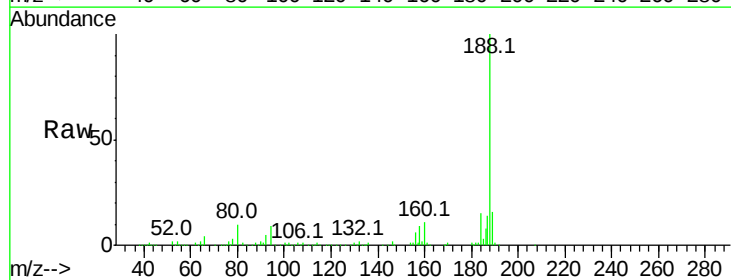
Instrument :
 BNA_G
 ClientSampleId :

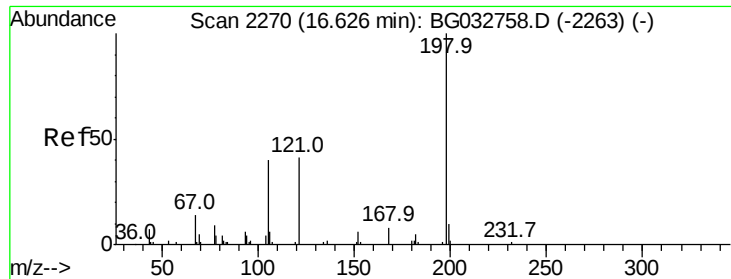
Tot Ion:	165	Resp:	11984
Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.0	63.0#
89	2.9	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033153.D
 Acq: 14 Mar 2018 19:02

Tgt Ion:	188	Resp:	240908
Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.4	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.480 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.37 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

Instrument :

BNA_G

ClientSampleId :

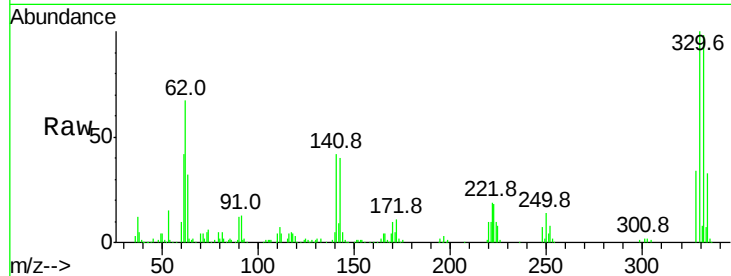
Tot Ion:198 Resp: 301

Ion Ratio Lower Upper

198 100

51 184.3 30.6 70.6#

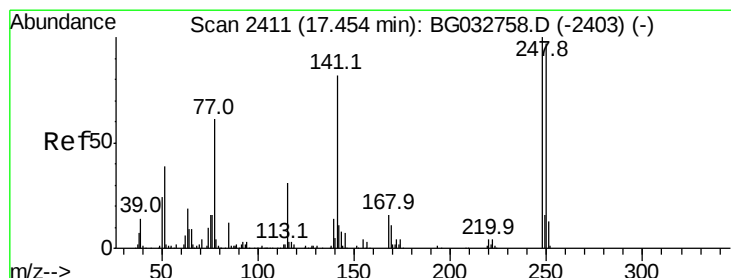
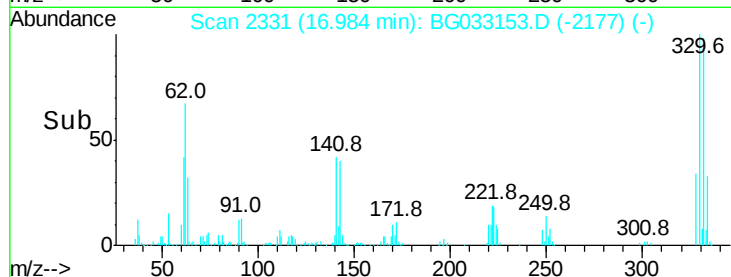
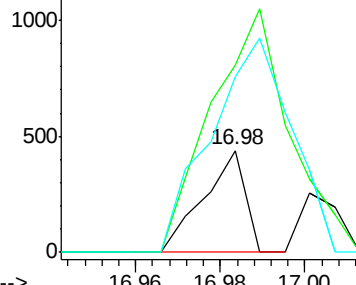
105 172.4 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 6.647 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

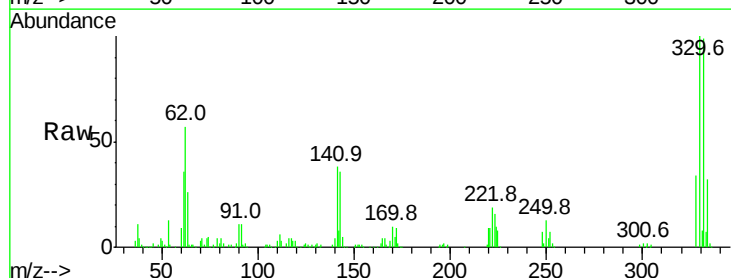
Tgt Ion:248 Resp: 16933

Ion Ratio Lower Upper

248 100

250 189.0 77.1 115.7#

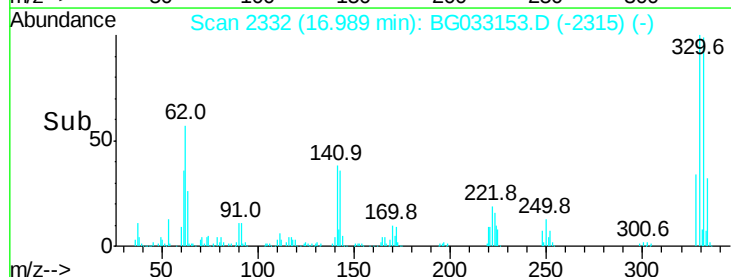
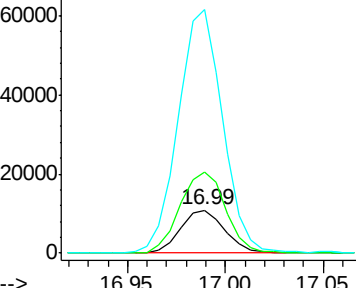
141 564.4 50.8 76.2#

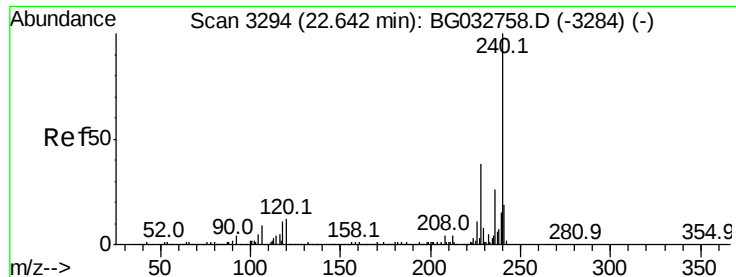


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

Instrument :

BNA_G

ClientSampleId :

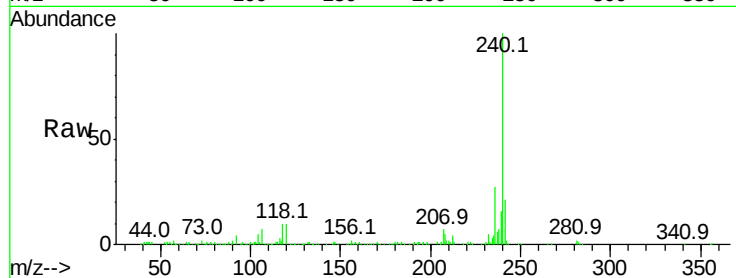
Tot Ion:240 Resp: 226164

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2#

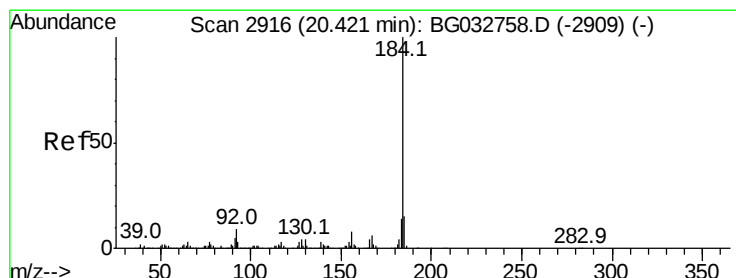
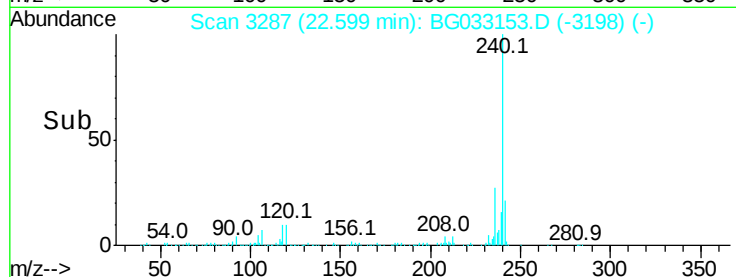
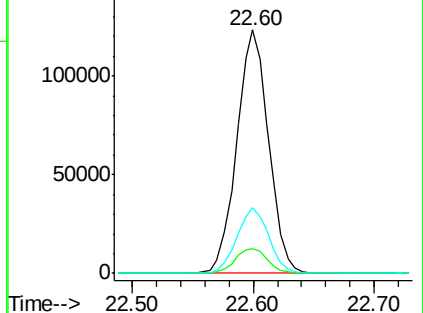
236 27.1 20.9 31.3



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: 2.876 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

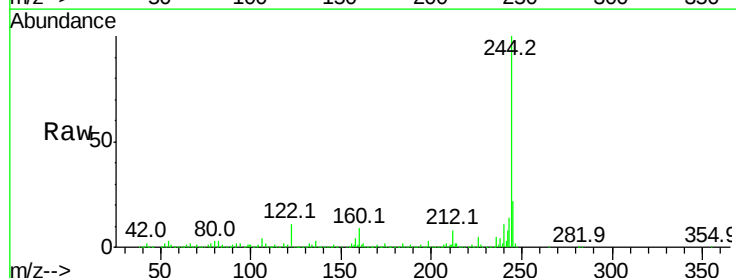
Tgt Ion:184 Resp: 22174

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

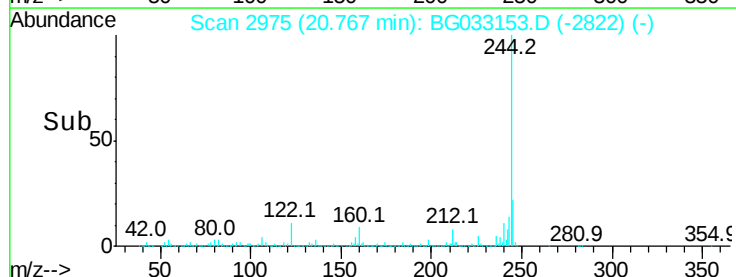
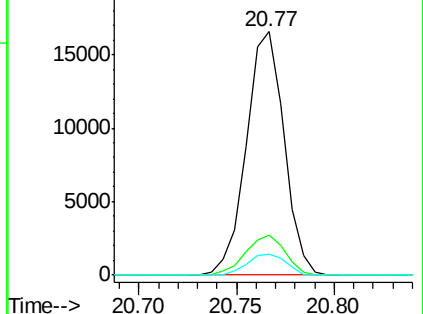
183 8.5 10.6 16.0#

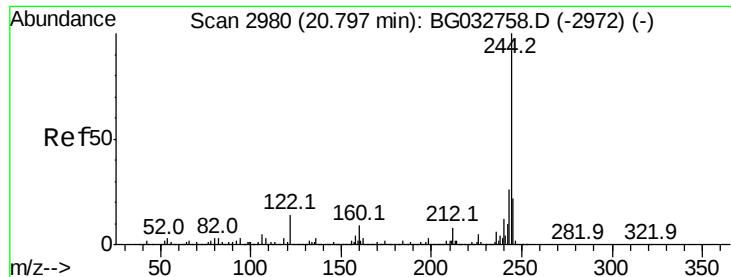


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 127.628 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

Instrument :

BNA_G

ClientSampleId :

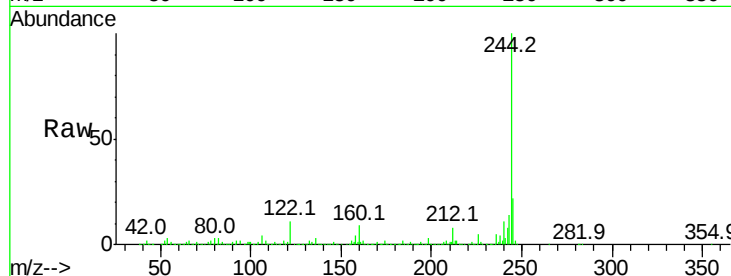
Tot Ion:244 Resp: 1284754

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

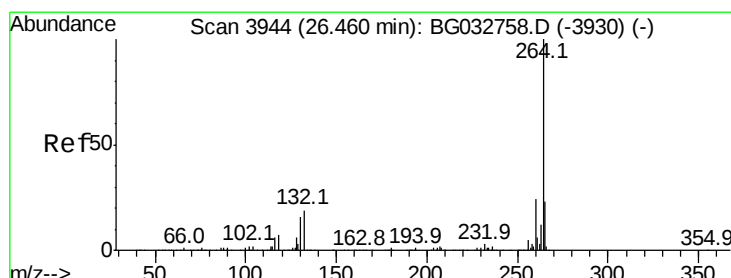
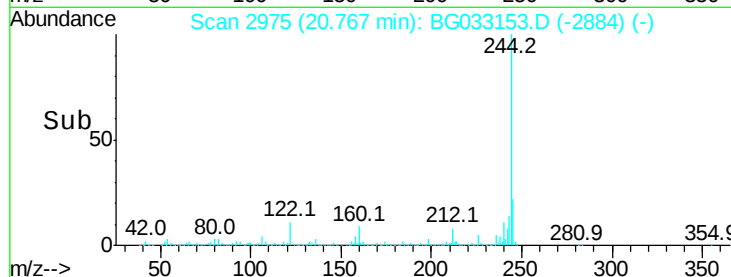
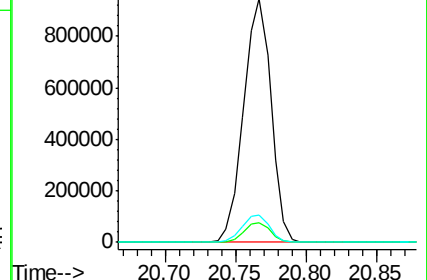
122 11.3 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033153.D

Acq: 14 Mar 2018 19:02

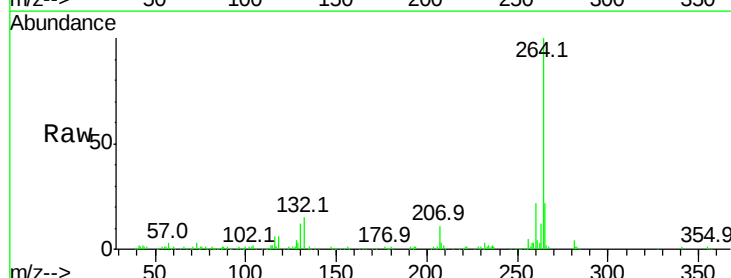
Tgt Ion:264 Resp: 236940

Ion Ratio Lower Upper

264 100

260 22.3 17.4 26.0

265 22.1 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

