

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033154.D
 Acq On : 14 Mar 2018 19:39
 Operator : SJ/JU
 Sample : J1898-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:11:34 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	8.90	152	35699	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	155702	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	93730	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	237622	20.00	ng	0.00
75) Chrysene-d12	22.60	240	224843	20.00	ng	0.00
86) Perylene-d12	26.40	264	238116	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	304048	136.26	ng	0.00
7) Phenol-d6	8.00	99	369008	118.64	ng	0.00
23) Nitrobenzene-d5	10.10	82	277880	119.32	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	214403	217.55	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	628408	96.70	ng	0.00
78) Terphenyl-d14	20.76	244	1120050	111.92	ng	0.00

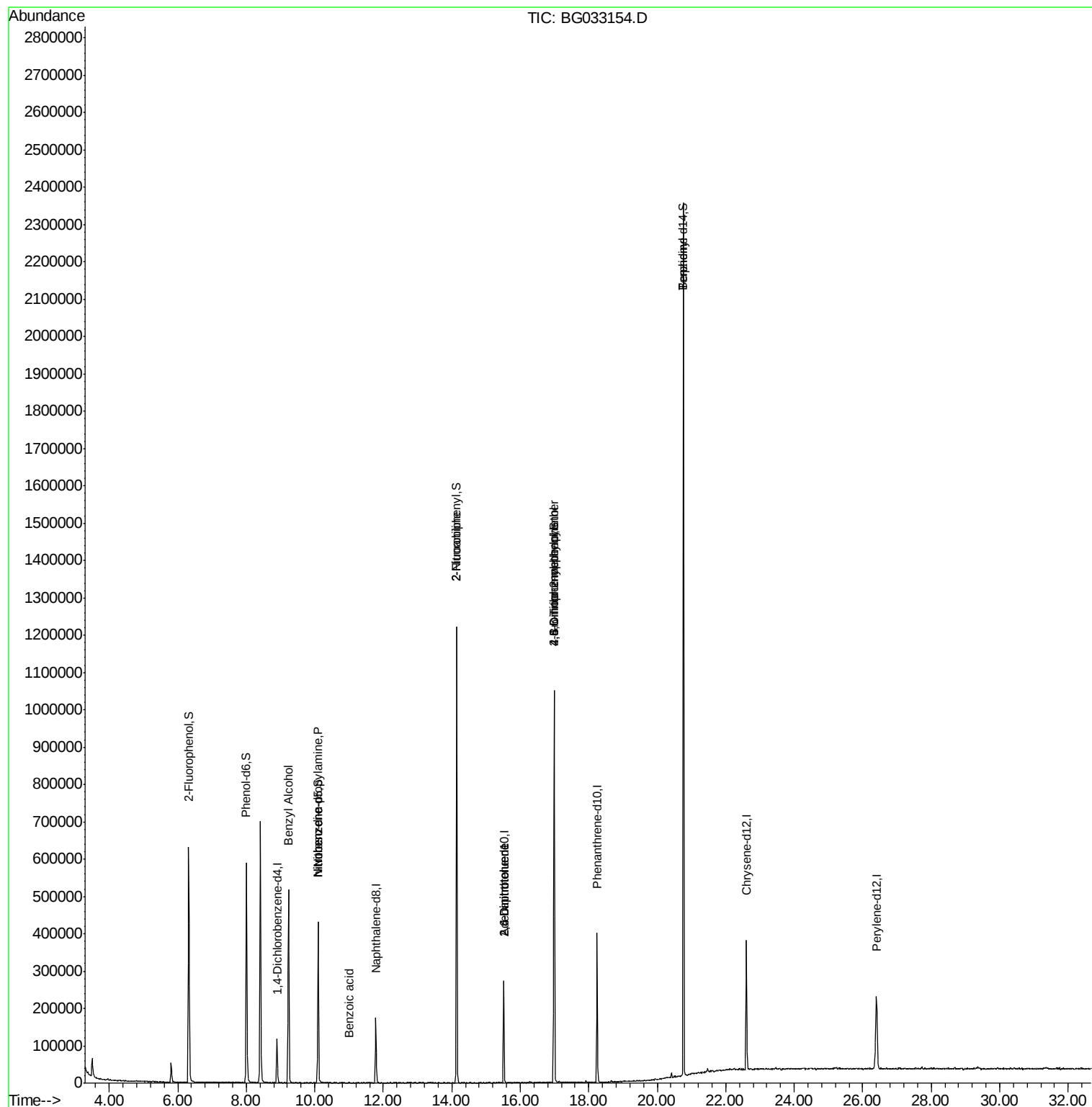
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4574	2.000	ng	# 44
19) n-Nitroso-di-n-propylamine	10.10	70	36916	16.812	ng	# 87
24) Nitrobenzene	10.10	77	957	6.715	ng	# 36
32) Benzoic acid	11.01	122	148	5.937	ng	# 84
47) 2-Nitroaniline	14.14	65	1220	10.464	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	12137	16.404	ng	# 20
56) 2,4-Dinitrotoluene	15.51	165	12137	14.602	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	675	6.152	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14135	5.626	ng	# 1
76) Benzidine	20.76	184	19583	2.555	ng	# 91

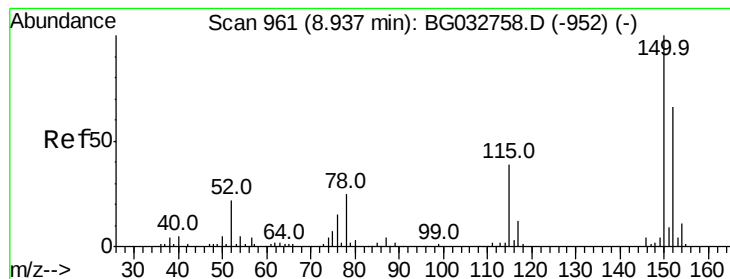
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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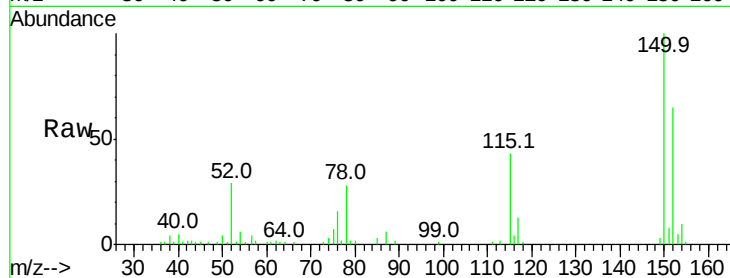


#1

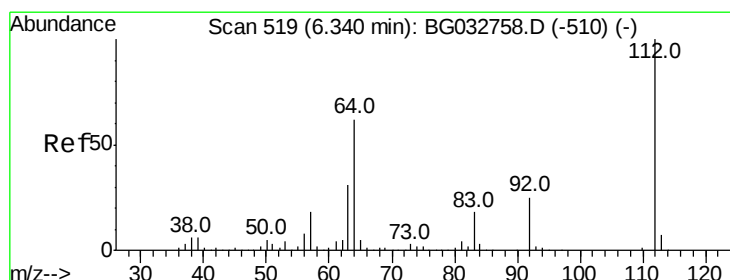
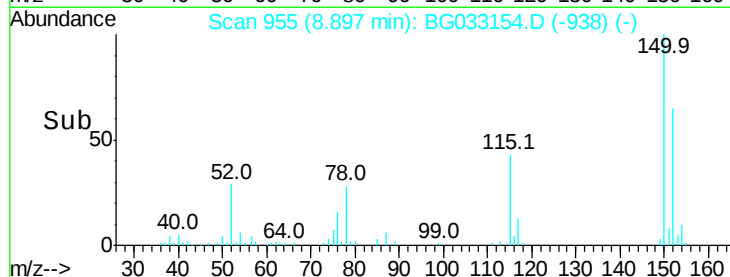
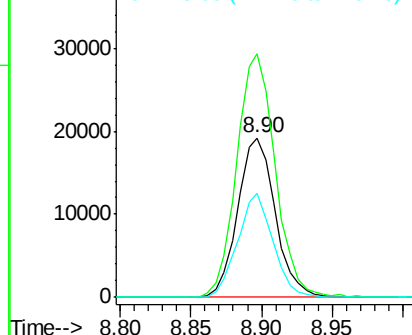
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. -0.00 min
Lab File: BG033154.D
Acq: 14 Mar 2018 19:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35699
Ion Ratio Lower Upper
152 100
150 152.8 126.6 189.8
115 65.0 53.0 79.4



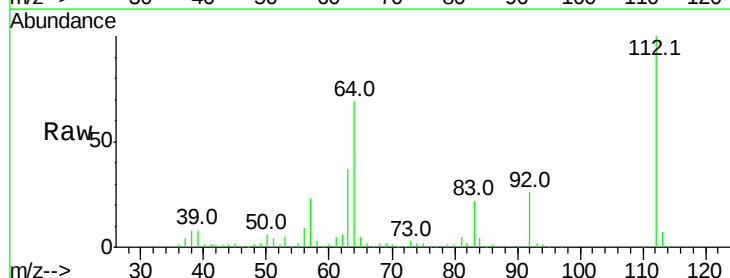
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



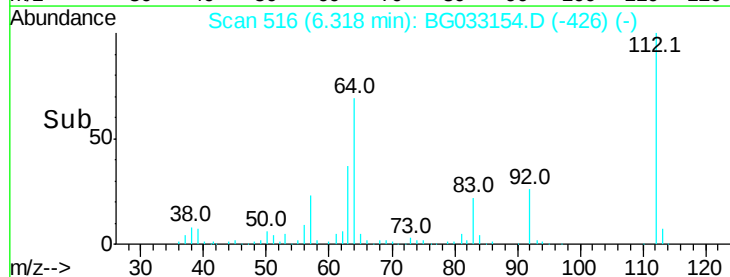
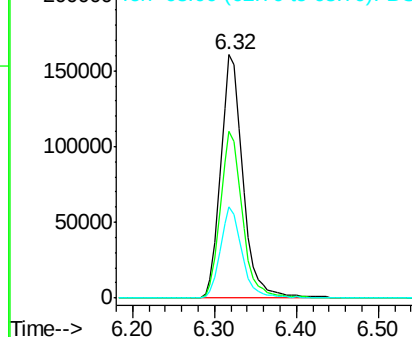
#5

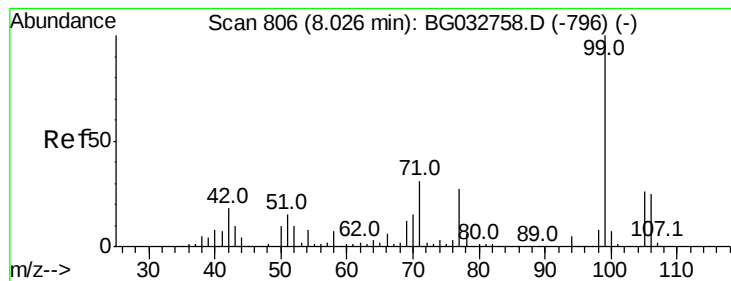
2-Fluorophenol
Concen: 136.259 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033154.D
Acq: 14 Mar 2018 19:39

Tgt Ion:112 Resp: 304048
Ion Ratio Lower Upper
112 100
64 68.7 56.3 84.5
63 37.4 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: 118.643 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Instrument :

BNA_G

ClientSampled :

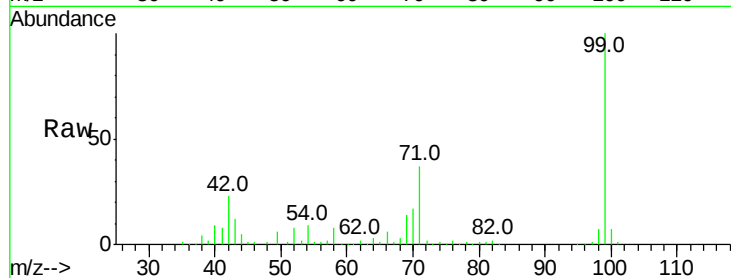
Tot Ion: 99 Resp: 369008

Ion Ratio Lower Upper

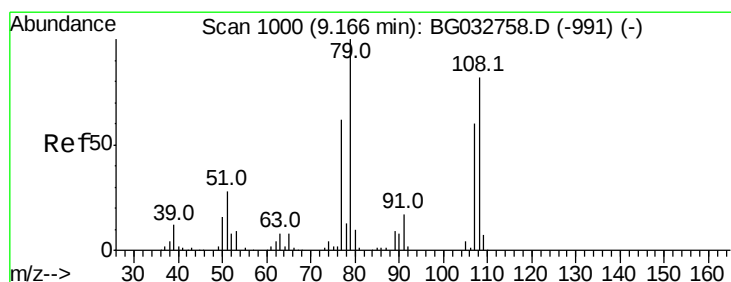
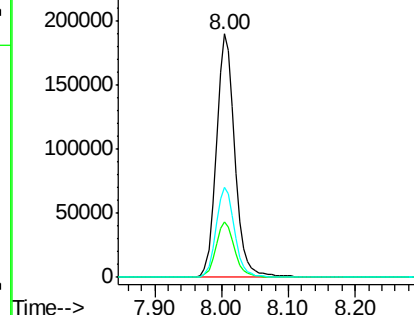
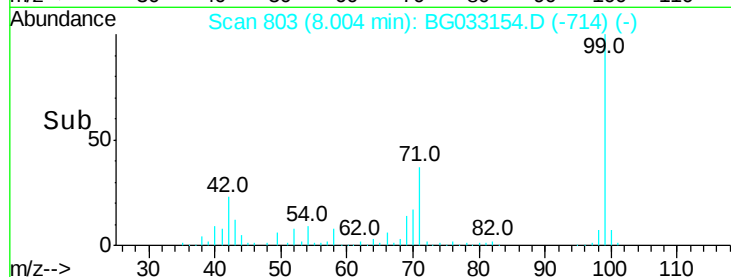
99 100

42 23.0 14.1 21.1#

71 36.9 26.1 39.1



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



#15

Benzyl Alcohol

Concen: 2.000 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

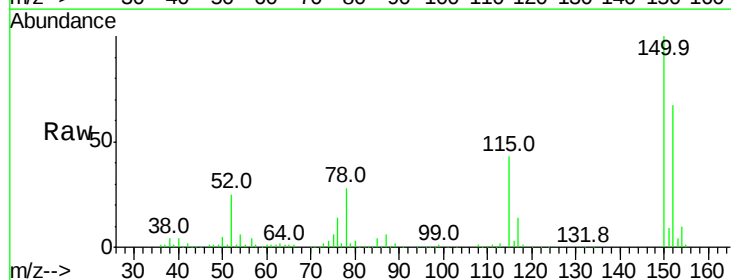
Tgt Ion: 79 Resp: 4574

Ion Ratio Lower Upper

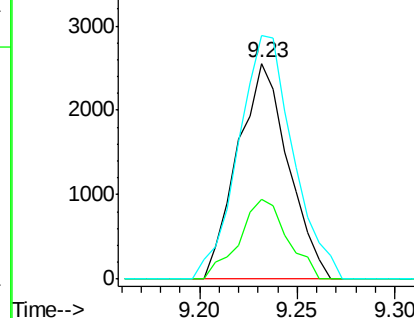
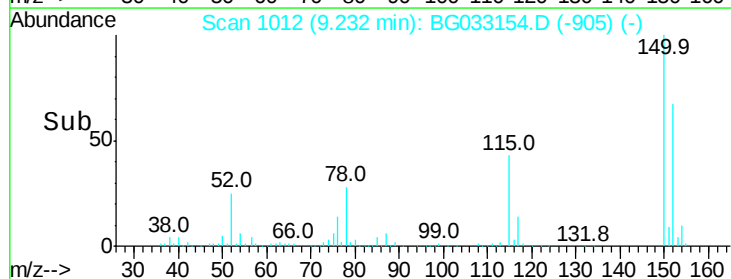
79 100

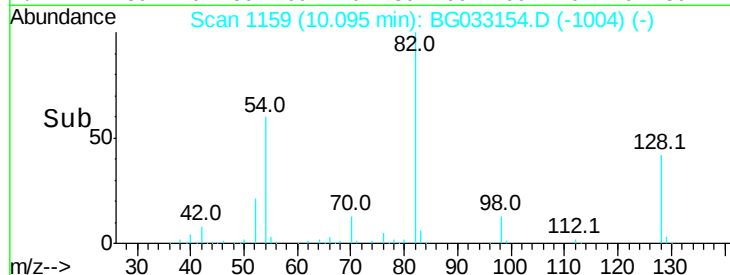
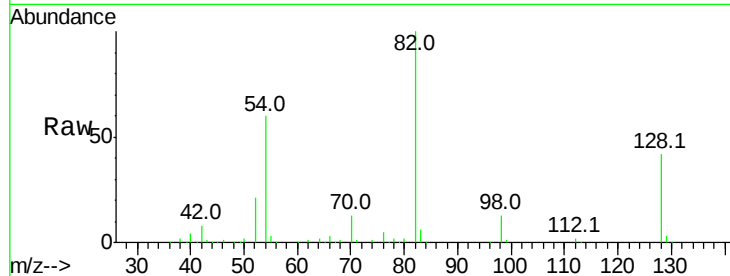
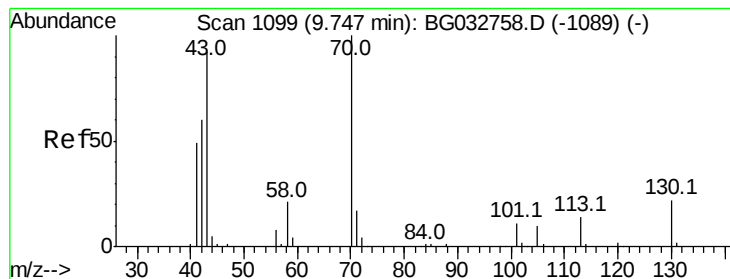
108 37.1 57.2 85.8#

77 112.9 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: 16.812 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 36916

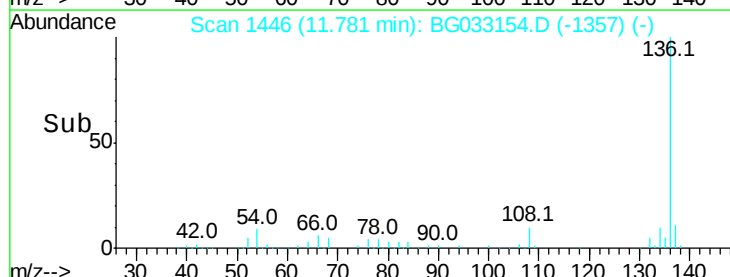
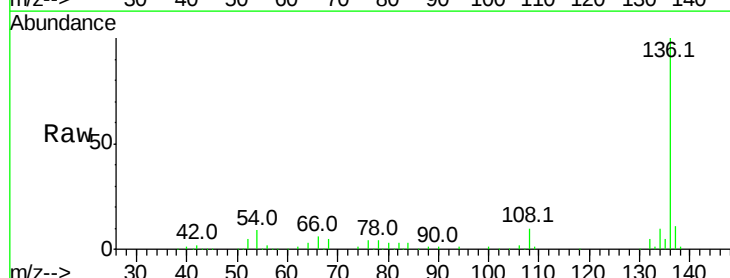
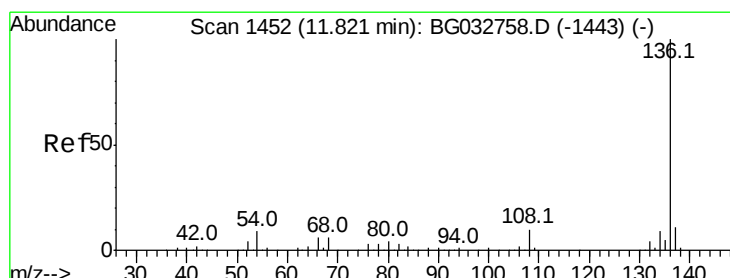
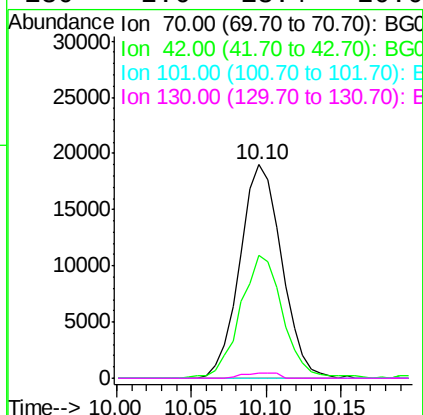
Ion Ratio Lower Upper

70 100

42 57.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Tgt Ion: 136 Resp: 155702

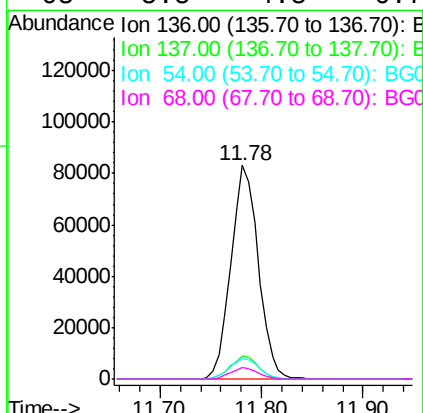
Ion Ratio Lower Upper

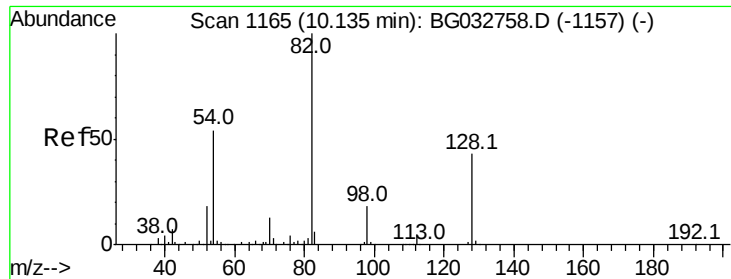
136 100

137 10.7 9.2 13.8

54 9.4 10.3 15.5#

68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 119.318 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Instrument :

BNA_G

ClientSampled :

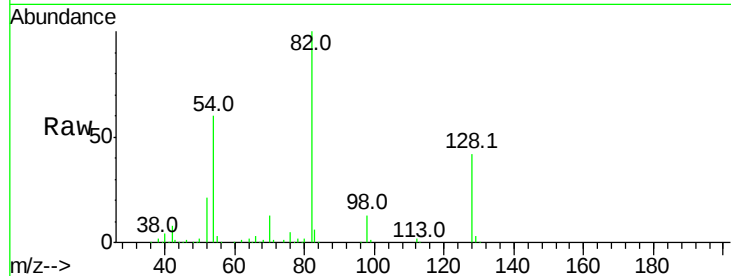
Tot Ion: 82 Resp: 277880

Ion Ratio Lower Upper

82 100

128 42.0 29.7 44.5

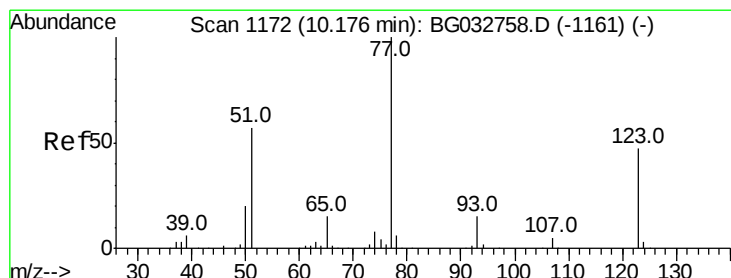
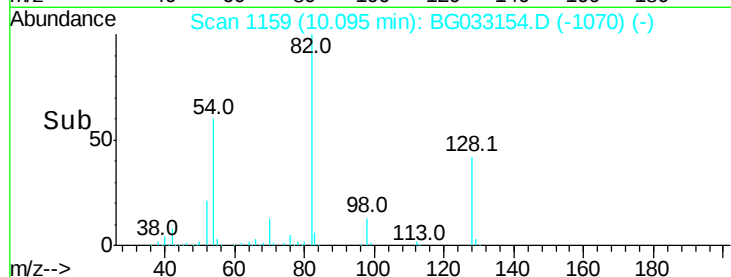
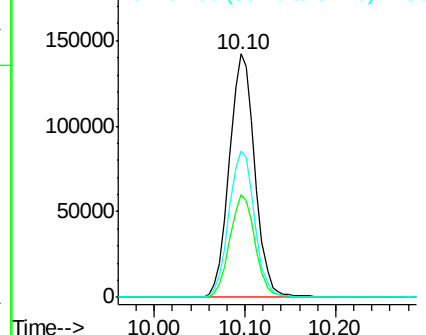
54 60.1 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 6.715 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

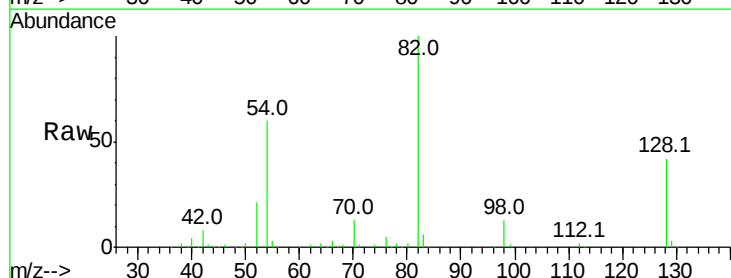
Tgt Ion: 77 Resp: 957

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

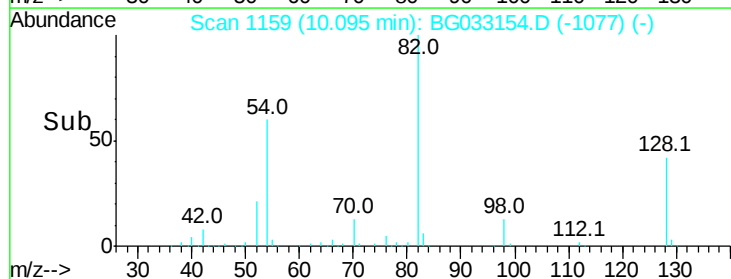
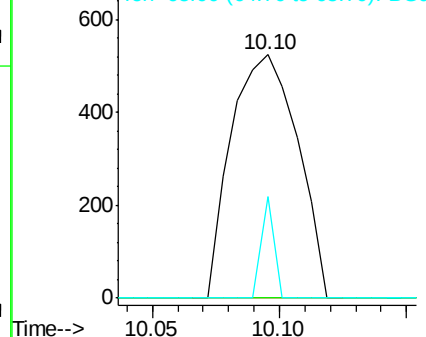
65 41.9 13.0 19.6#

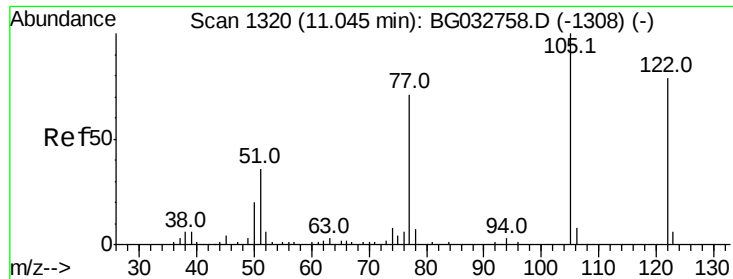


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#32

Benzoic acid

Concen: 5.937 ng

RT: 11.01 min Scan# 1315

Delta R.T. 0.04 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Instrument :

BNA_G

ClientSampleId :

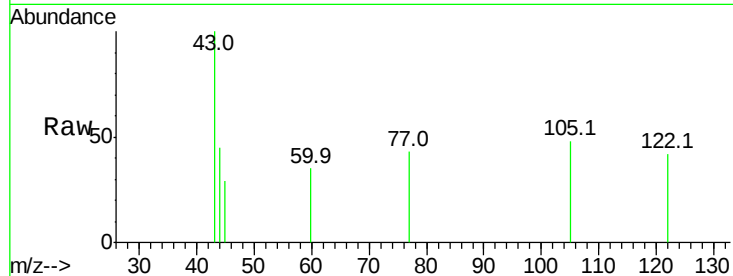
Tot Ion:122 Resp: 148

Ion Ratio Lower Upper

122 100

105 113.1 123.5 163.5#

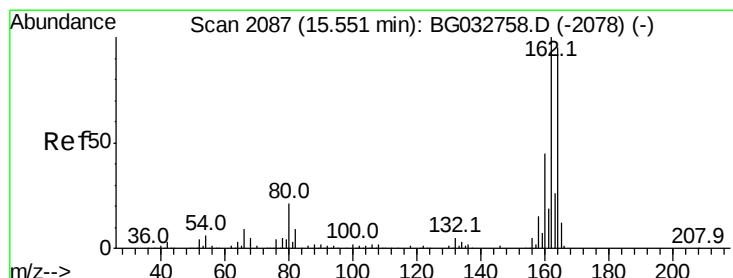
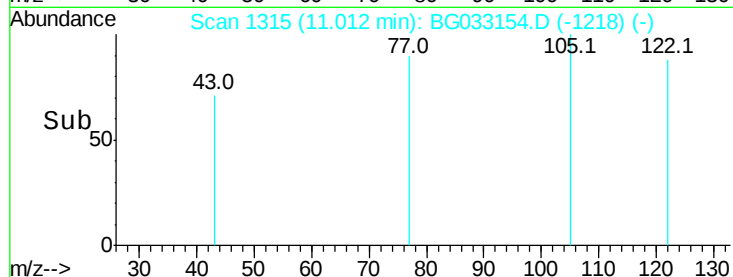
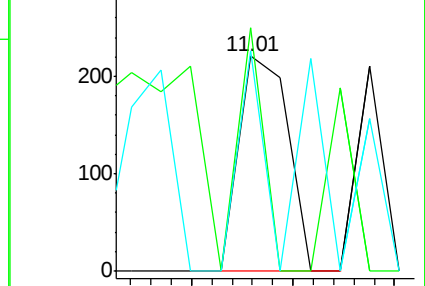
77 102.3 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.00 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

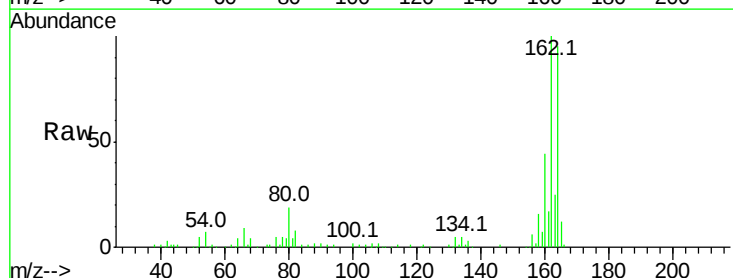
Tgt Ion:164 Resp: 93730

Ion Ratio Lower Upper

164 100

162 105.4 78.8 118.2

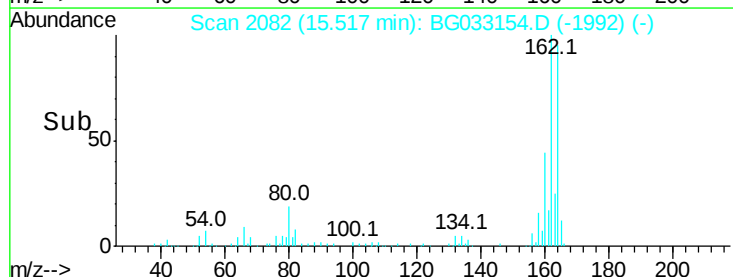
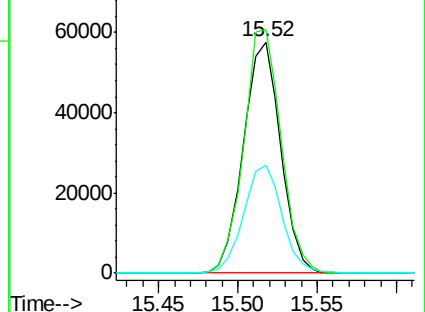
160 46.6 35.4 53.0

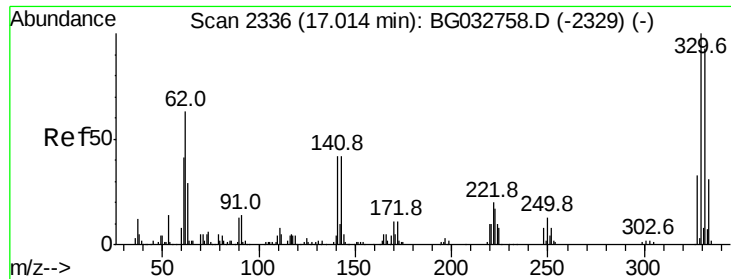


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

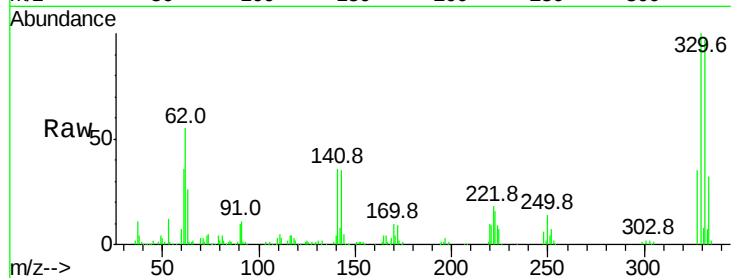




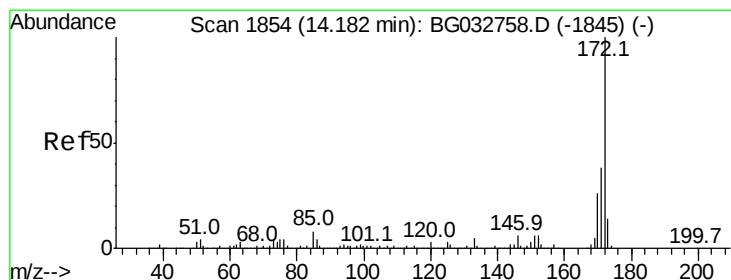
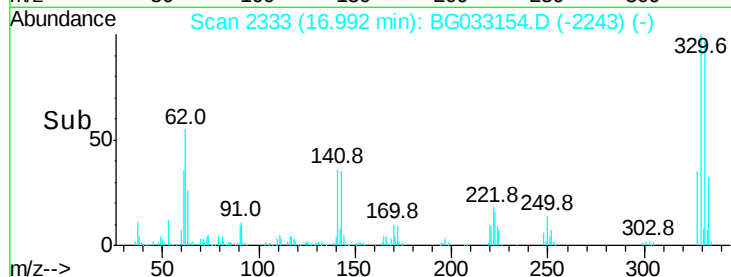
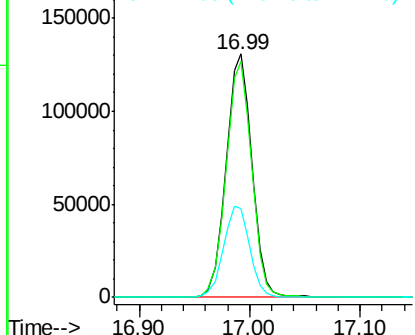
#41
 2,4,6-Tribromophenol
 Concen: 217.549 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033154.D
 Acq: 14 Mar 2018 19:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 214403
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 38.2 25.2 37.8#

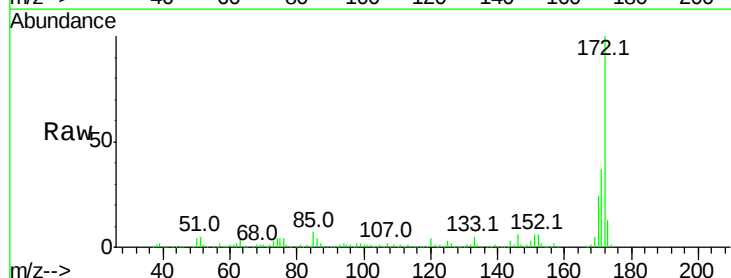


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

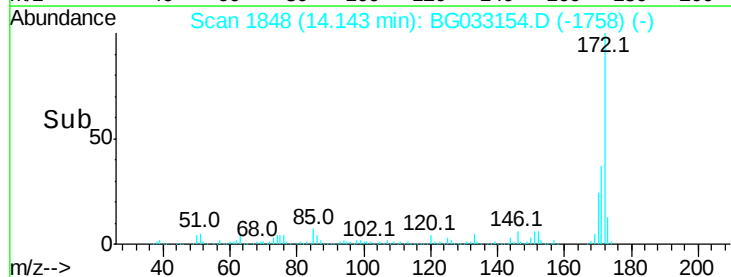
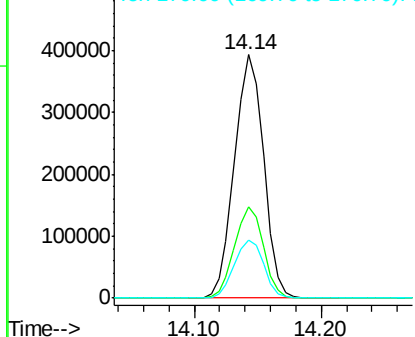


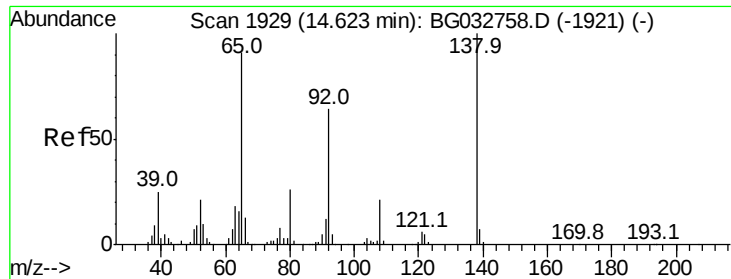
#44
 2-Fluorobiphenyl
 Concen: 96.695 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BG033154.D
 Acq: 14 Mar 2018 19:39

Tgt Ion:172 Resp: 628408
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 23.9 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

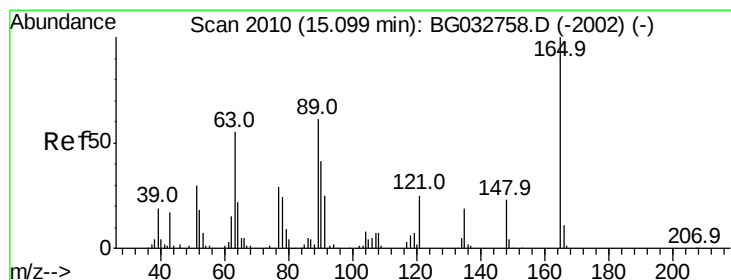
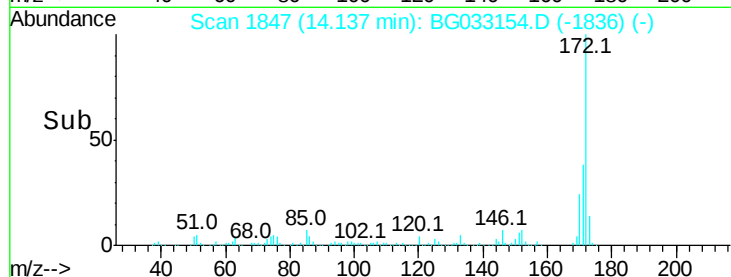
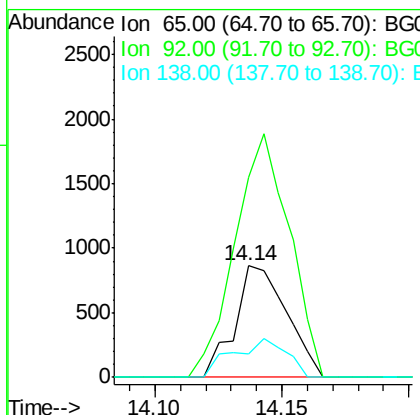
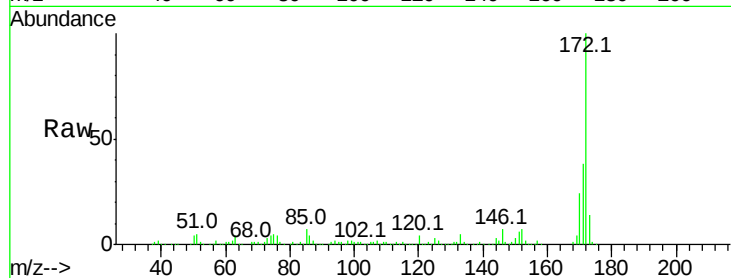




#47
2-Nitroaniline
Concen: 10.464 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033154.D
Acq: 14 Mar 2018 19:39

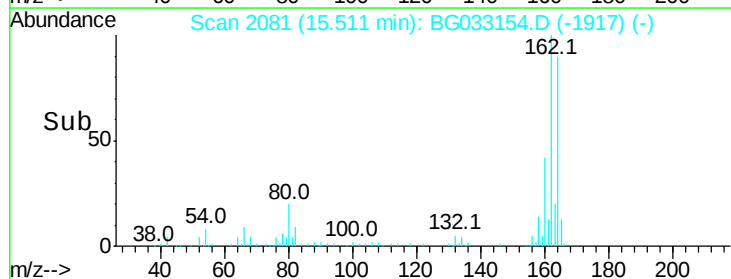
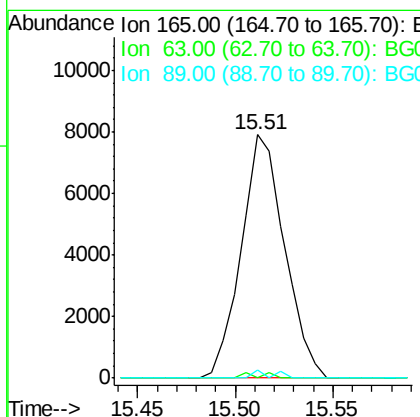
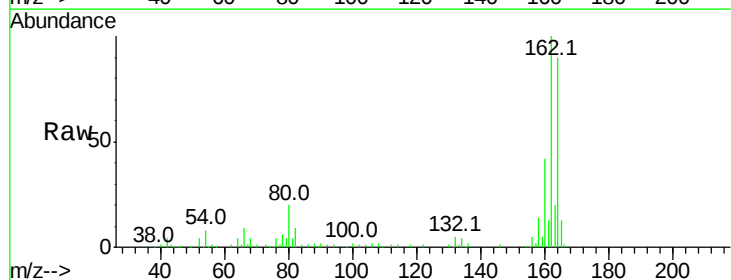
Instrument :
BNA_G
ClientSampled :

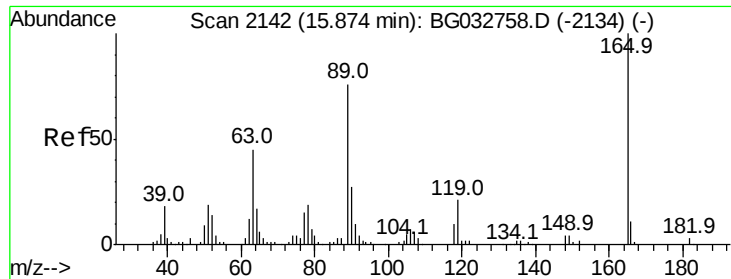
Tot Ion: 65 Resp: 1220
Ion Ratio Lower Upper
65 100
92 180.0 54.6 82.0#
138 21.6 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.404 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.43 min
Lab File: BG033154.D
Acq: 14 Mar 2018 19:39

Tgt Ion:165 Resp: 12137
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.1 49.2 73.8#

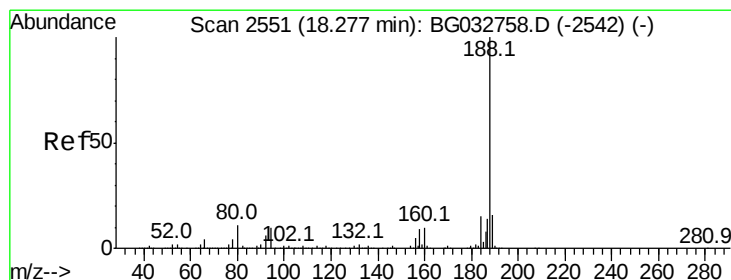
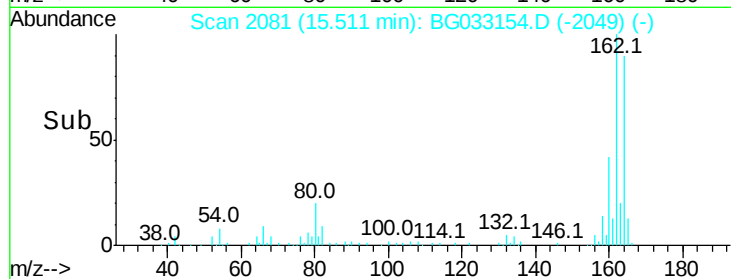
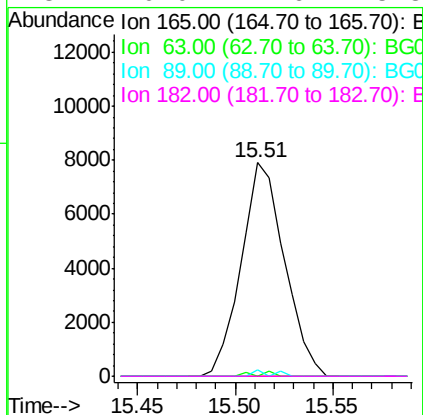
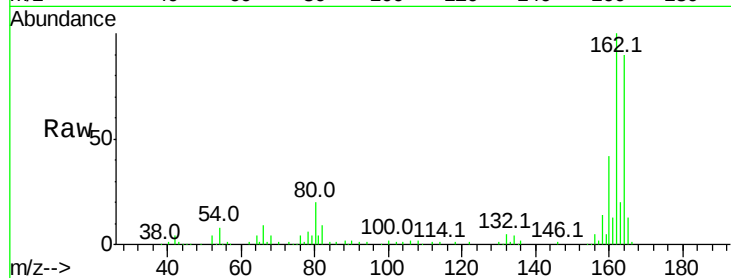




#56
 2,4-Dinitrotoluene
 Concen: 14.602 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033154.D
 Acq: 14 Mar 2018 19:39

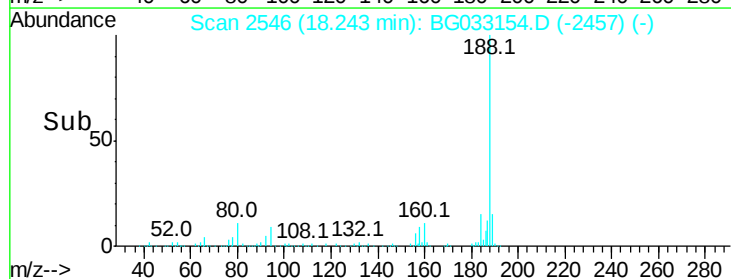
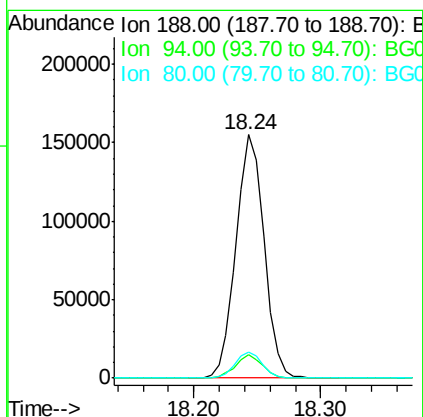
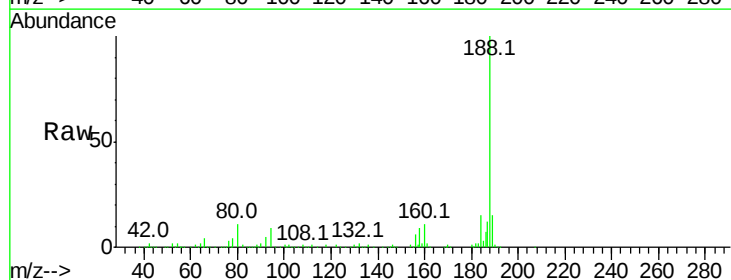
Instrument :
 BNA_G
 ClientSampleId :

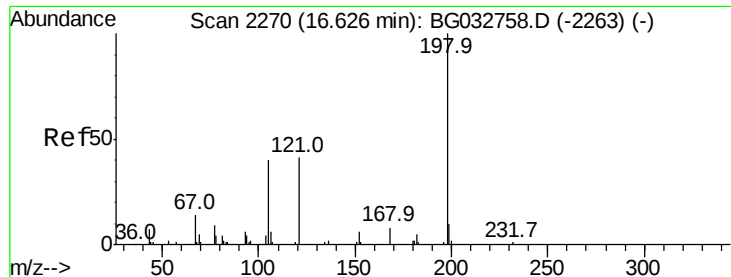
Tot Ion:	165	Resp:	12137
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.1	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BG033154.D
 Acq: 14 Mar 2018 19:39

Tgt Ion:	188	Resp:	237622
Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.9	10.3
80	10.6	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 6.152 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Instrument :

BNA_G

ClientSampleId :

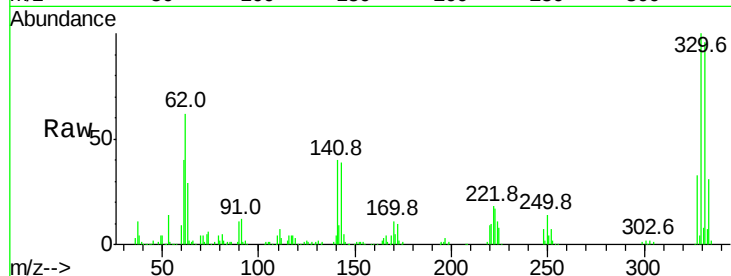
Tot Ion:198 Resp: 675

Ion Ratio Lower Upper

198 100

51 105.7 30.6 70.6#

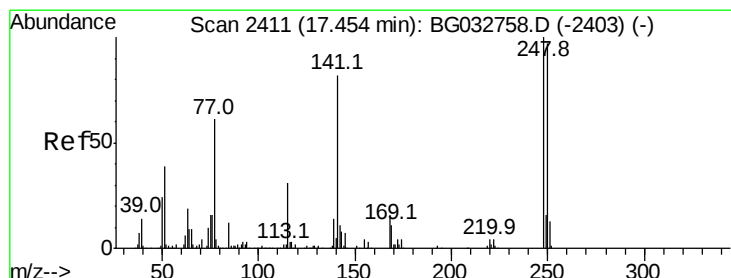
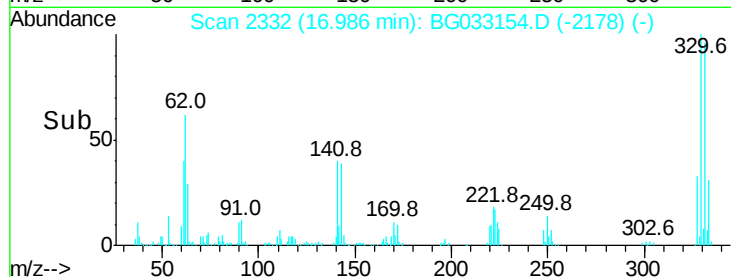
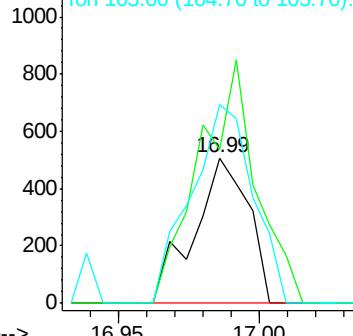
105 136.6 23.8 63.8#



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: 5.626 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.44 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

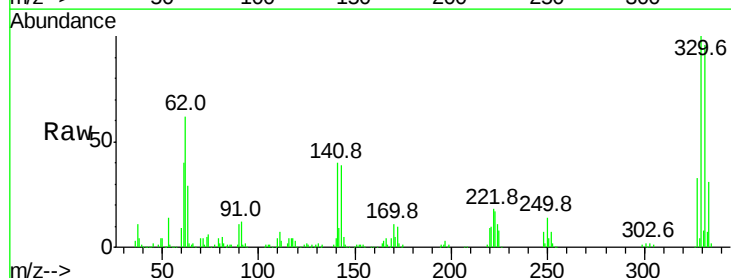
Tgt Ion:248 Resp: 14135

Ion Ratio Lower Upper

248 100

250 192.1 77.1 115.7#

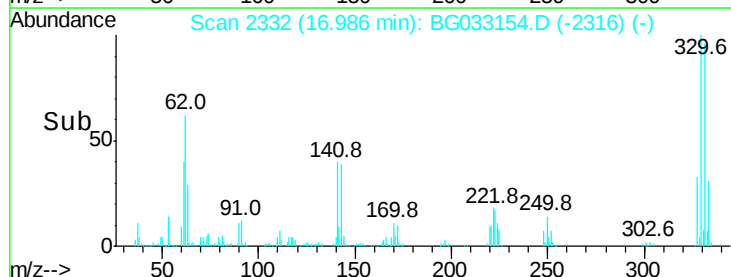
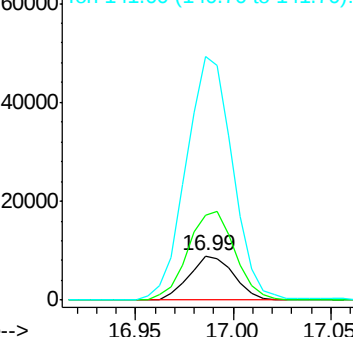
141 547.8 50.8 76.2#

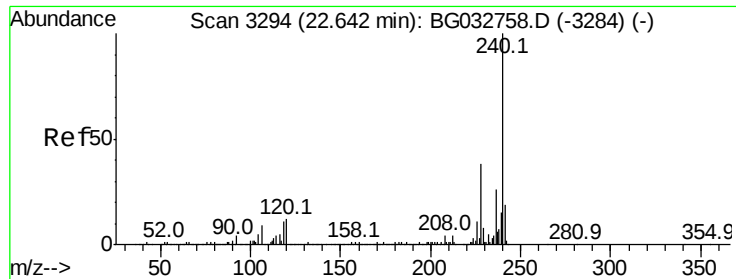


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3288

Delta R.T. -0.01 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Instrument :

BNA_G

ClientSampleId :

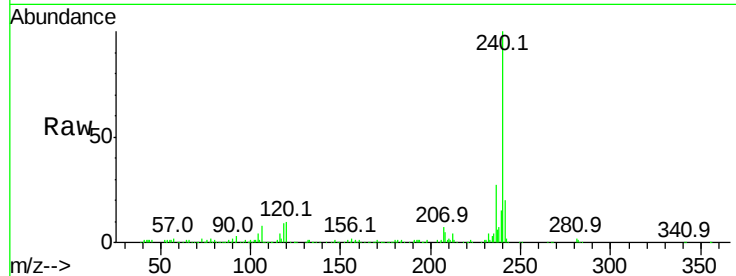
Tot Ion:240 Resp: 224843

Ion Ratio Lower Upper

240 100

120 10.1 6.8 10.2

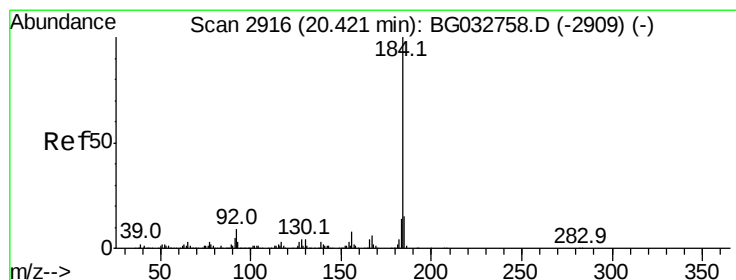
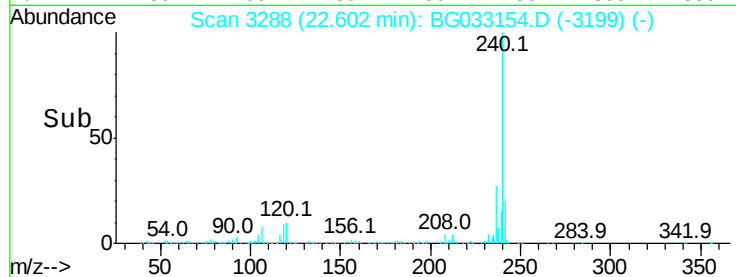
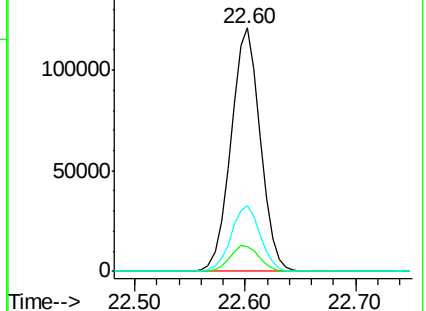
236 26.9 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.555 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.36 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

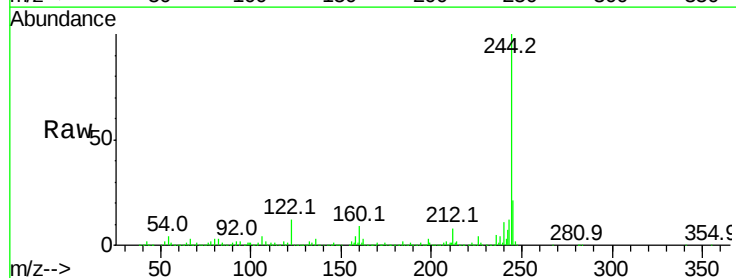
Tgt Ion:184 Resp: 19583

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

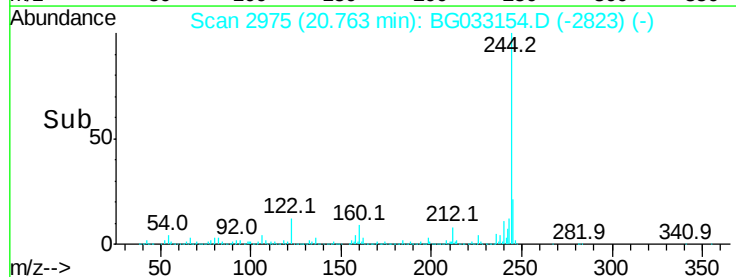
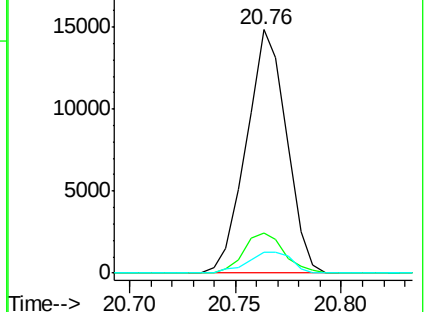
183 8.5 10.6 16.0#

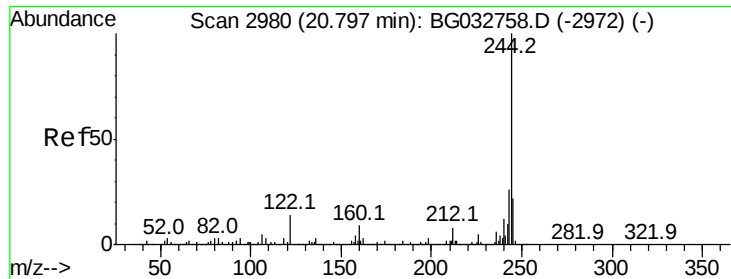


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 111.920 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033154.D

Acq: 14 Mar 2018 19:39

Instrument :

BNA_G

ClientSampled :

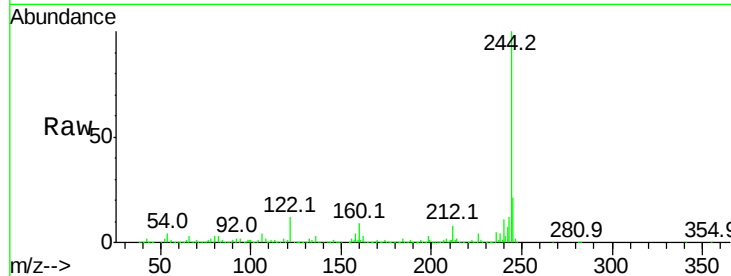
Tot Ion:244 Resp: 1120050

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

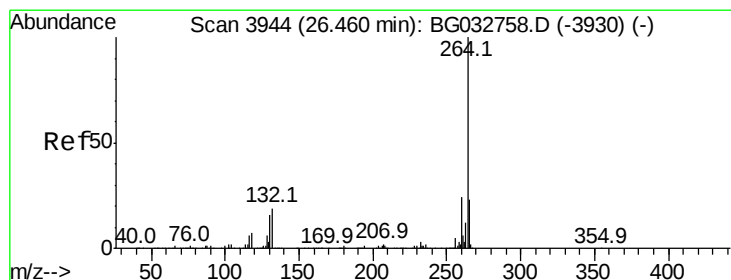
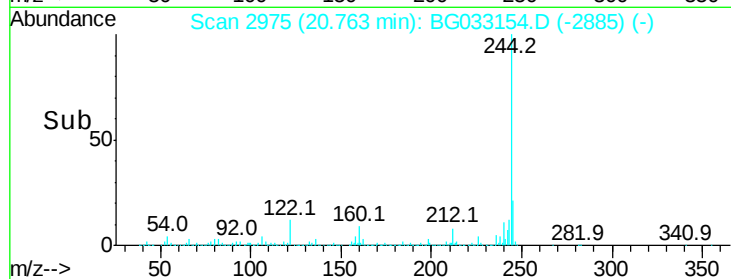
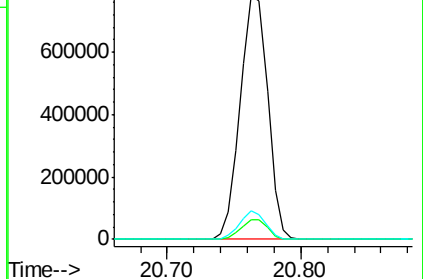
122 11.6 7.0 10.4#



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: BG033154.D

Acq: 14 Mar 2018 19:39

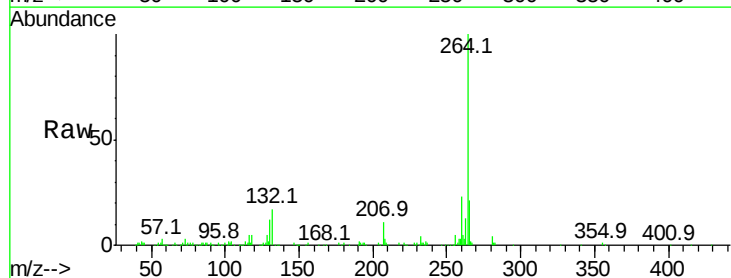
Tgt Ion:264 Resp: 238116

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.4 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

