

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033152.D
 Acq On : 14 Mar 2018 18:24
 Operator : SJ/JU
 Sample : J1898-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:11:00 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	37234	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	158522	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	98232	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	247609	20.00	ng	0.00
75) Chrysene-d12	22.60	240	229318	20.00	ng	0.00
86) Perylene-d12	26.40	264	240897	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	320367	137.65	ng	0.00
7) Phenol-d6	8.01	99	404267	124.62	ng	0.00
23) Nitrobenzene-d5	10.10	82	292873	123.17	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	233216	225.79	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	665760	97.75	ng	0.00
78) Terphenyl-d14	20.77	244	1180480	115.66	ng	0.00

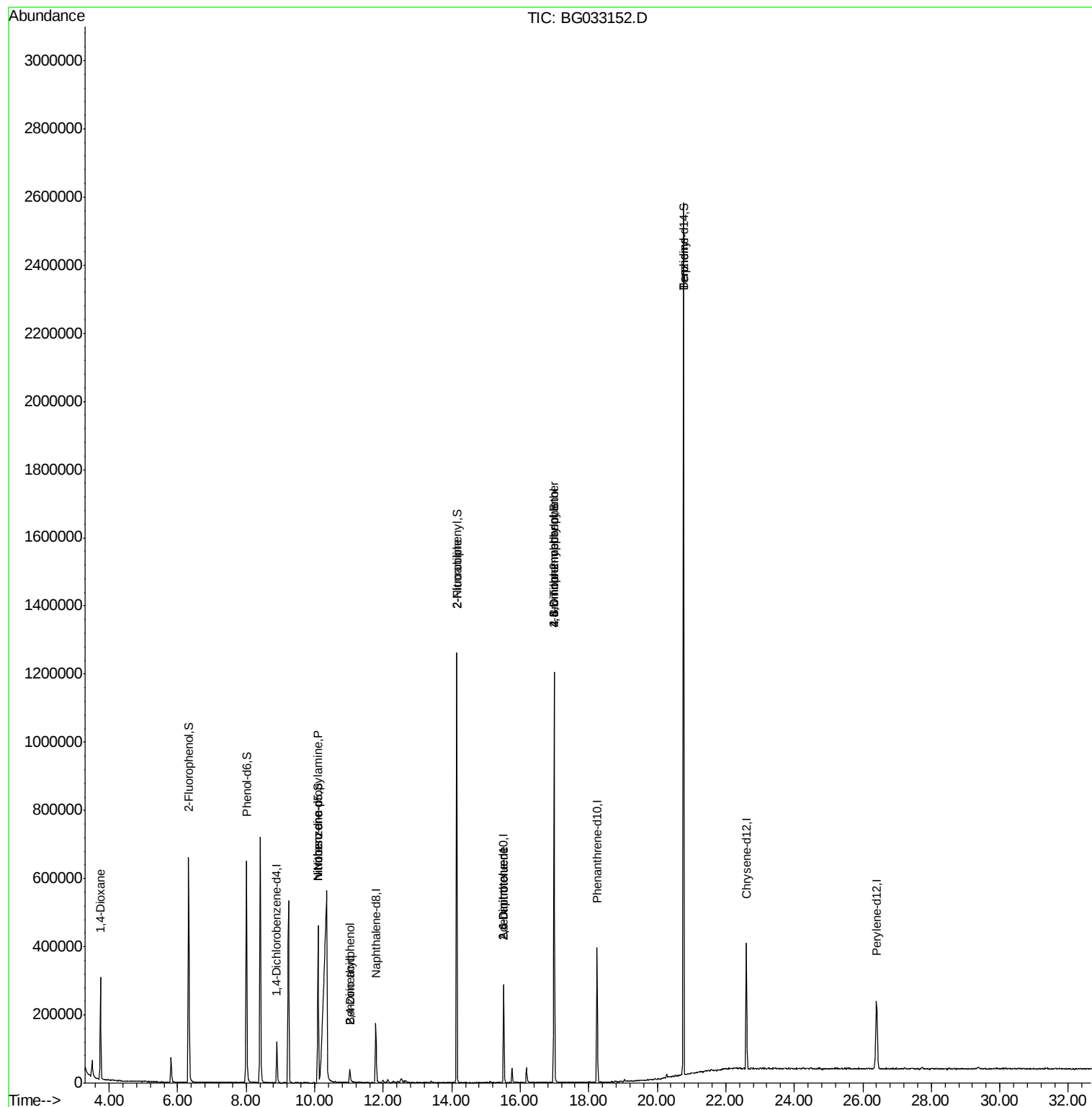
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.74	88	5236	5.184	ng	# 1
19) n-Nitroso-di-n-propylamine	10.10	70	40267	17.583	ng	# 82
24) Nitrobenzene	10.10	77	760	6.641	ng	# 40
27) 2,4-Dimethylphenol	11.02	122	17973	7.436	ng	# 1
32) Benzoic acid	11.02	122	17973	18.859	ng	# 83
47) 2-Nitroaniline	14.14	65	1369	10.509	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	13044	16.595	ng	# 20
56) 2,4-Dinitrotoluene	15.52	165	13044	14.794	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	516	5.834	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15270	5.832	ng	# 1
76) Benzidine	20.77	184	19884	2.544	ng	# 89

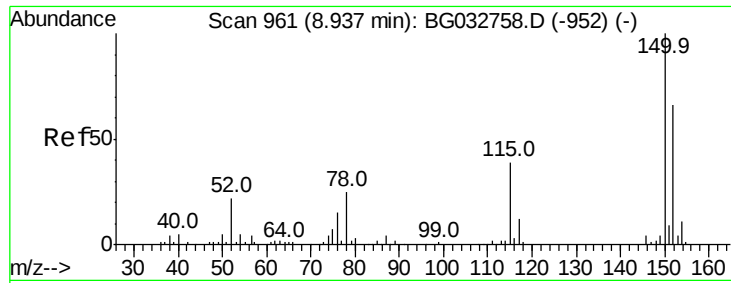
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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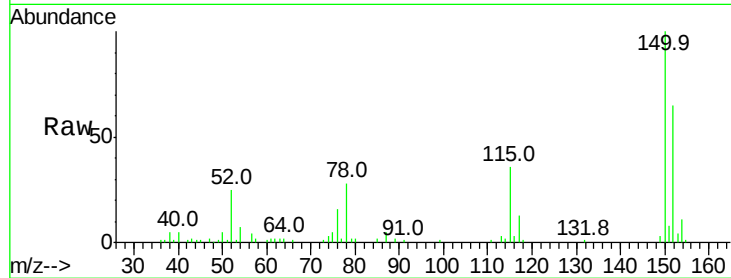


#1

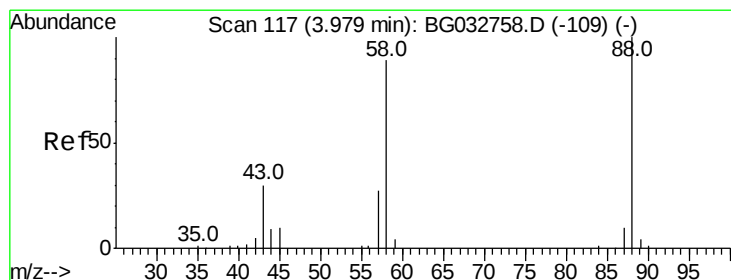
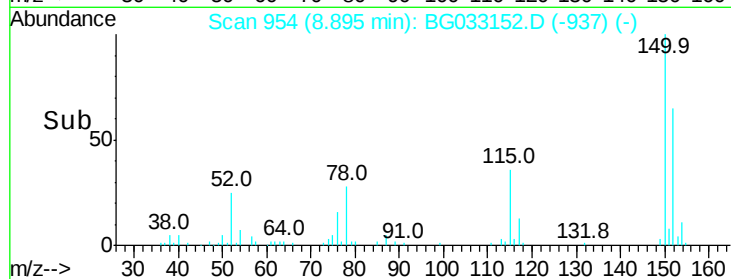
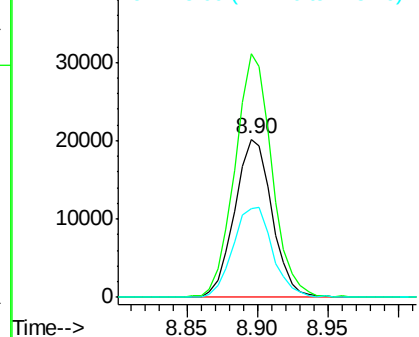
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 37234
Ion Ratio Lower Upper
152 100
150 154.2 126.6 189.8
115 55.9 53.0 79.4



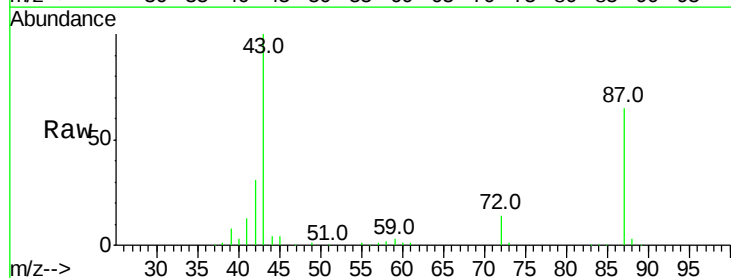
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



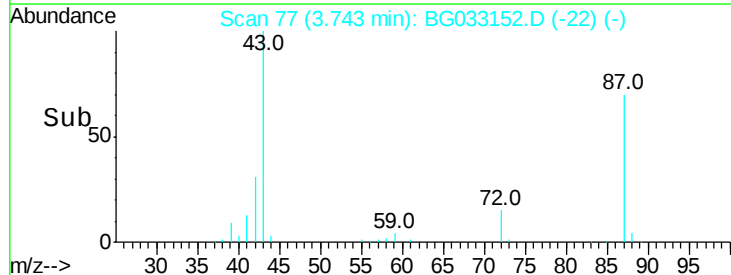
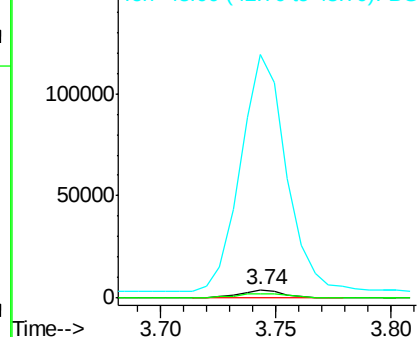
#2

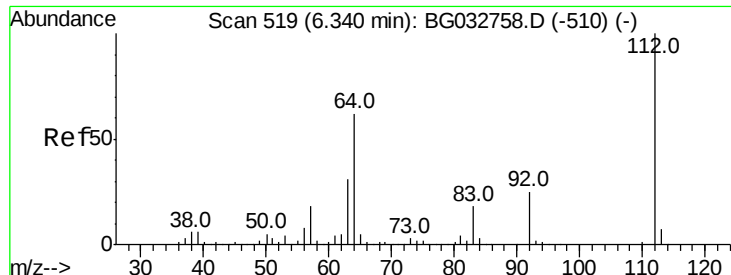
1,4-Dioxane
Concen: 5.184 ng
RT: 3.74 min Scan# 77
Delta R.T. -0.21 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

Tgt Ion: 88 Resp: 5236
Ion Ratio Lower Upper
88 100
58 77.7 79.6 119.4#
43 3064.6 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 137.654 ng

RT: 6.32 min Scan# 516

Delta R.T. 0.00 min

Lab File: BG033152.D

Acq: 14 Mar 2018 18:24

Instrument :

BNA_G

ClientSampleId :

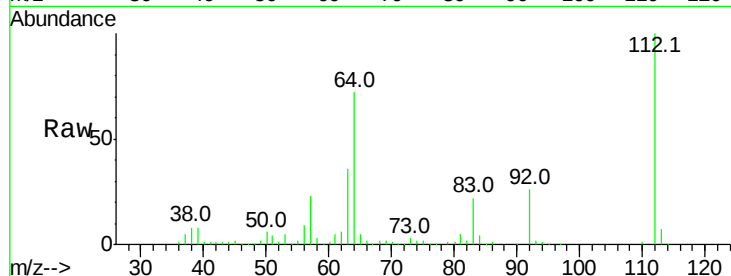
Tot Ion:112 Resp: 320367

Ion Ratio Lower Upper

112 100

64 71.8 56.3 84.5

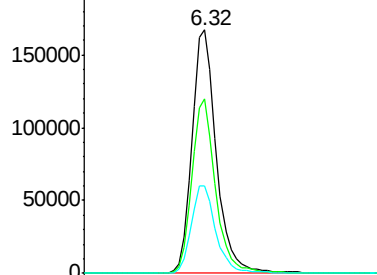
63 36.2 30.1 45.1



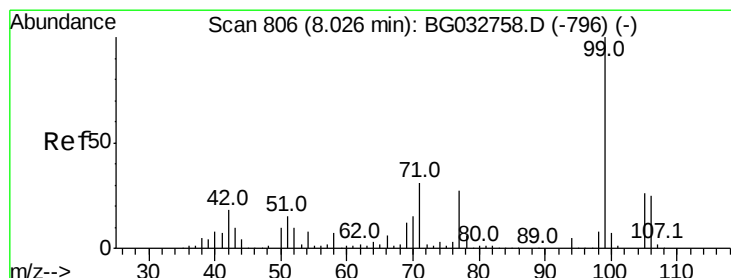
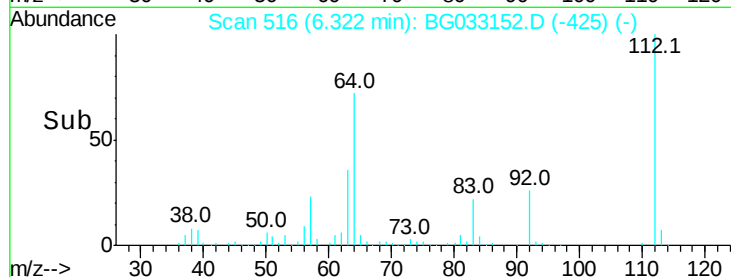
Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



Time-->



#7

Phenol-d6

Concen: 124.621 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033152.D

Acq: 14 Mar 2018 18:24

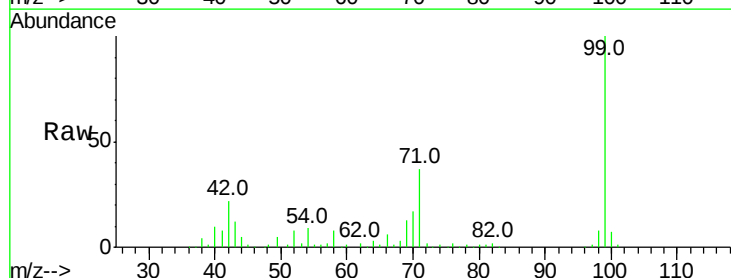
Tgt Ion: 99 Resp: 404267

Ion Ratio Lower Upper

99 100

42 22.4 14.1 21.1#

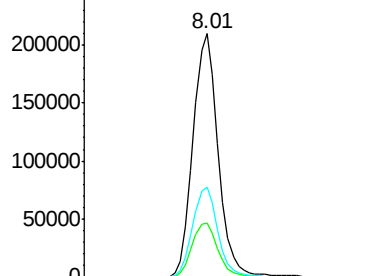
71 37.0 26.1 39.1



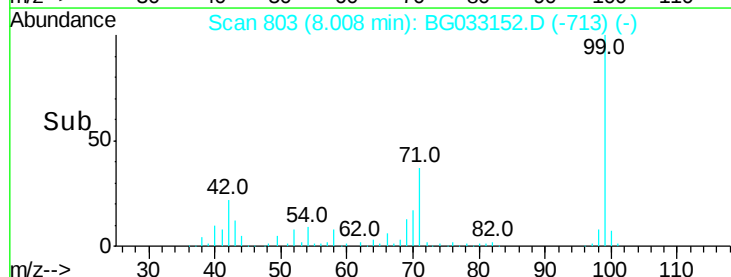
Abundance Ion 99.00 (98.70 to 99.70): BGC

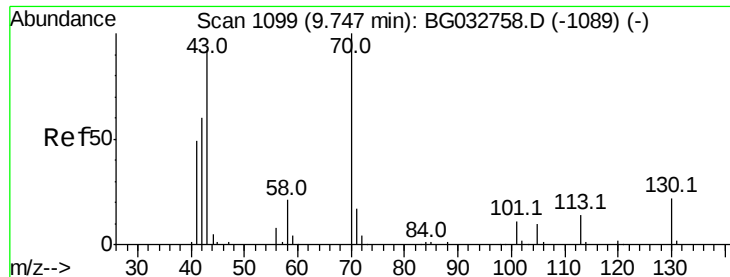
Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->

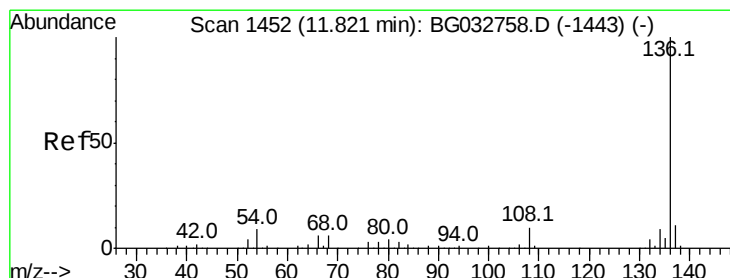
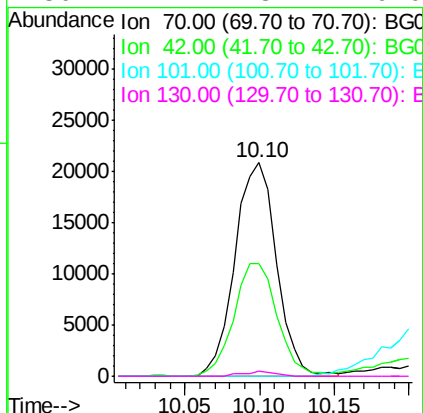
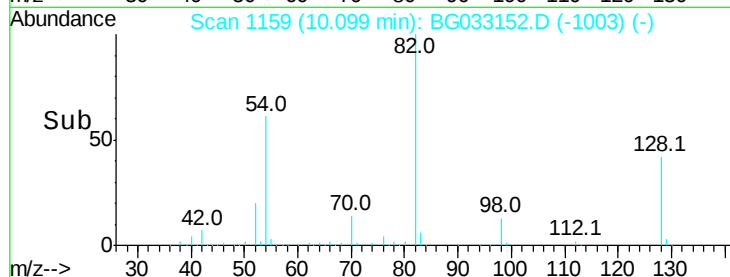
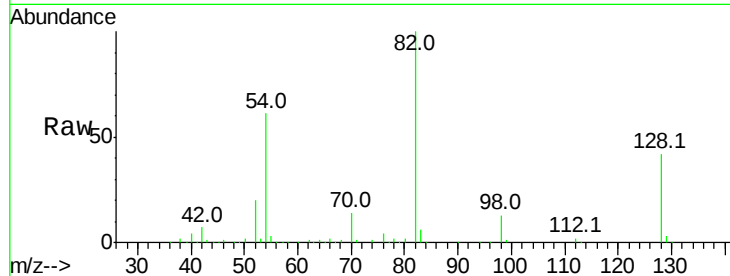




#19
n-Nitroso-di-n-propylamine
Concen: 17.583 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.39 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

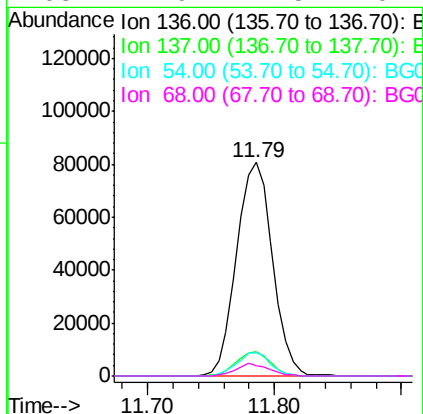
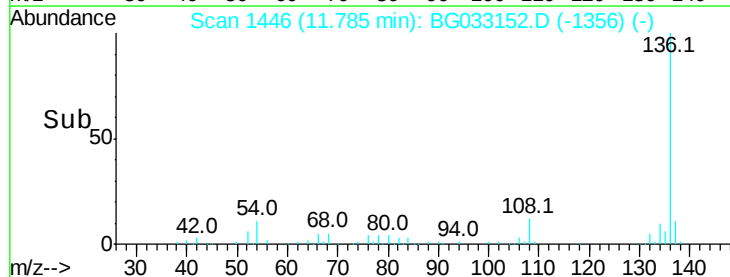
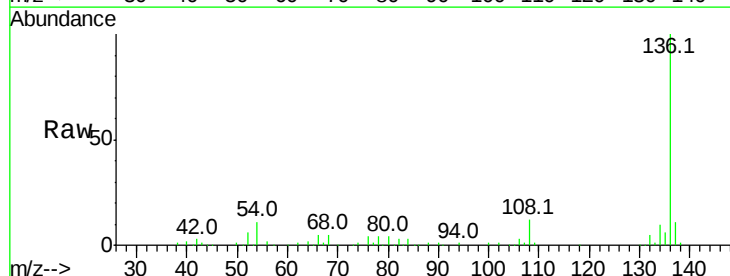
Instrument :
BNA_G
ClientSampleId :

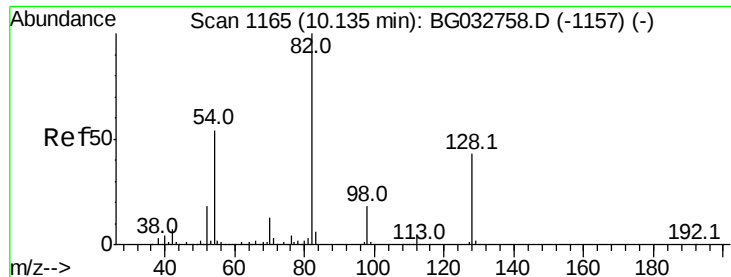
Tot Ion: 70 Resp: 40267
Ion Ratio Lower Upper
70 100
42 52.6 49.1 73.7
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

Tgt Ion: 136 Resp: 158522
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 10.5 10.3 15.5
68 4.9 4.5 6.7





#23

Nitrobenzene-d5

Concen: 123.170 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033152.D

Acq: 14 Mar 2018 18:24

Instrument :

BNA_G

ClientSampleId :

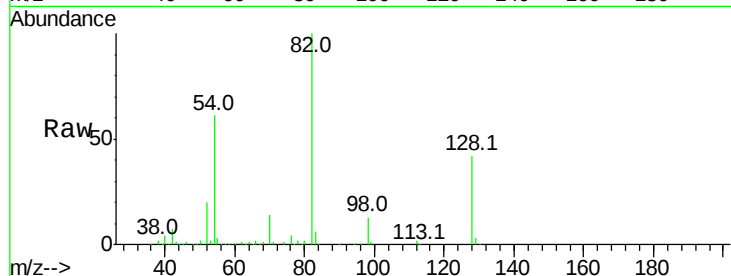
Tot Ion: 82 Resp: 292873

Ion Ratio Lower Upper

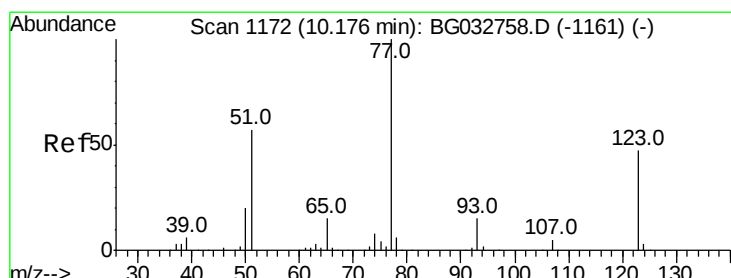
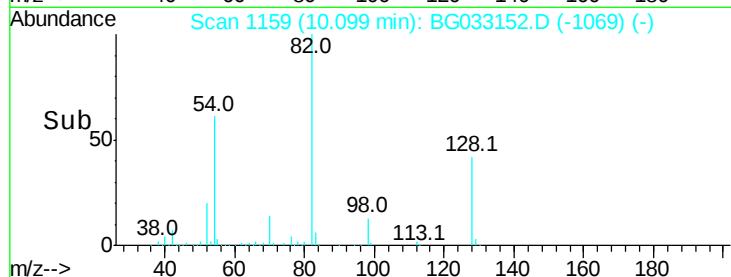
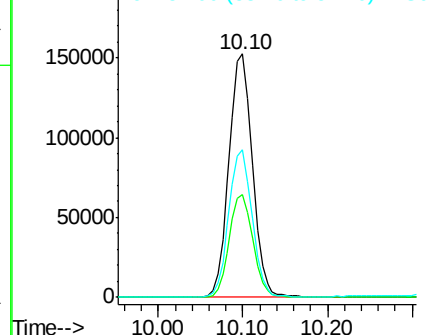
82 100

128 42.3 29.7 44.5

54 60.7 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: 6.641 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.04 min

Lab File: BG033152.D

Acq: 14 Mar 2018 18:24

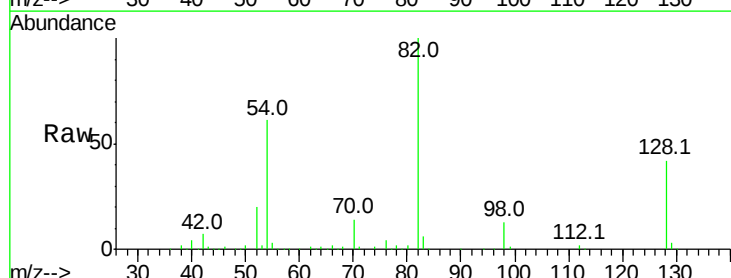
Tgt Ion: 77 Resp: 760

Ion Ratio Lower Upper

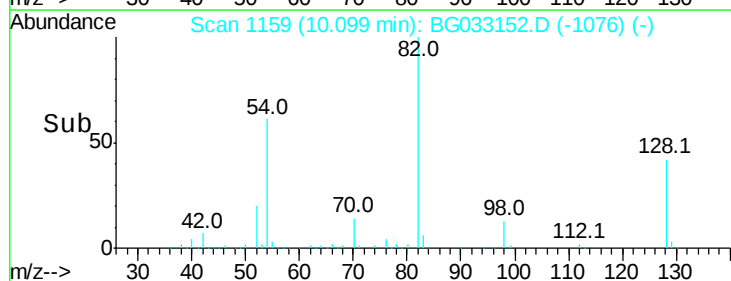
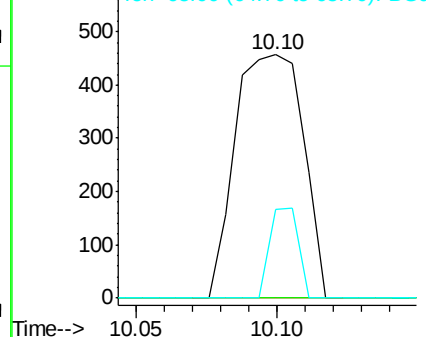
77 100

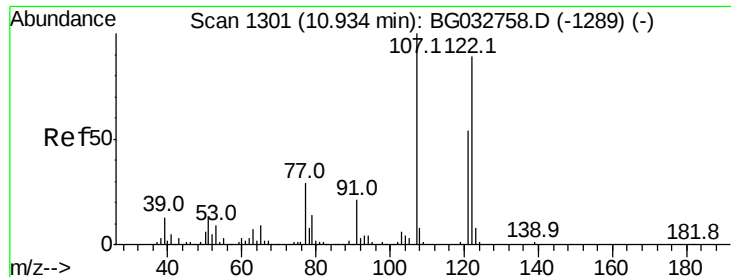
123 0.0 33.0 49.6#

65 36.3 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

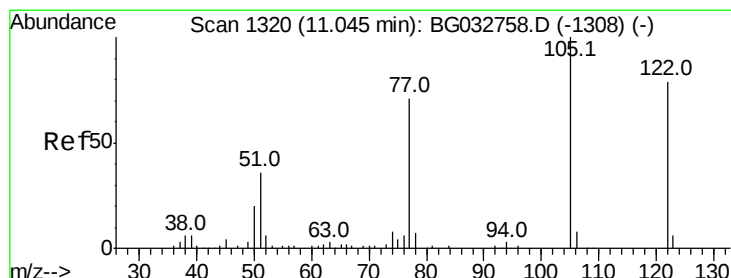
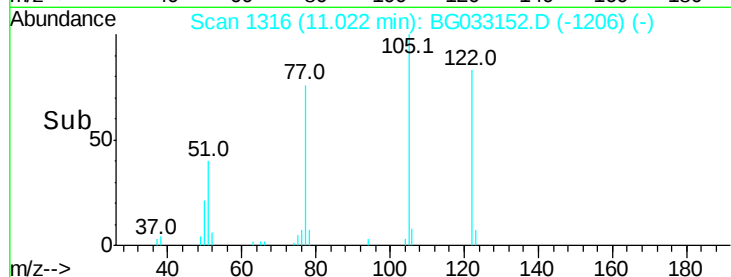
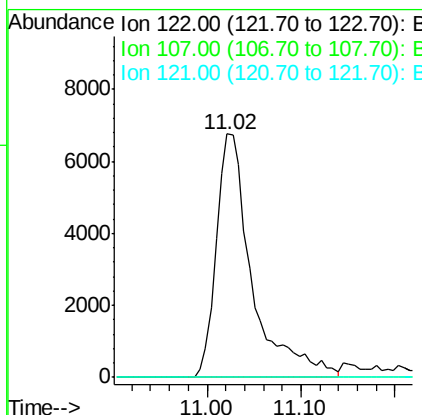
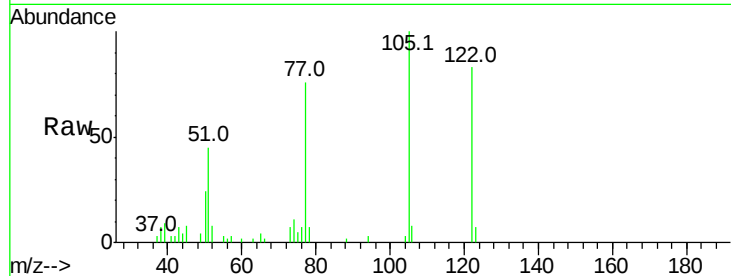




#27
 2,4-Dimethylphenol
 Concen: 7.436 ng
 RT: 11.02 min Scan# 1316
 Delta R.T. 0.12 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

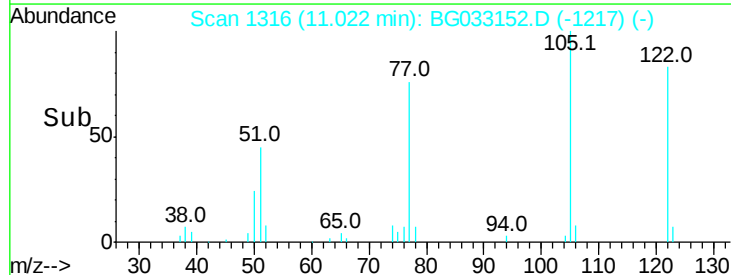
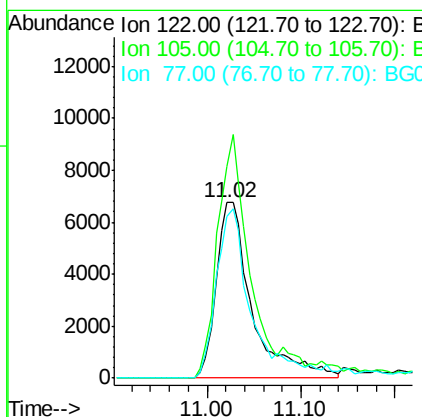
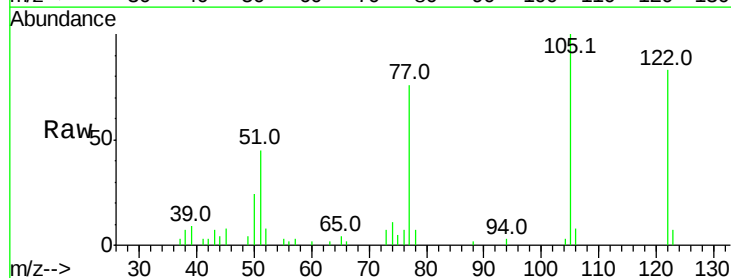
Instrument :
 BNA_G
 ClientSampleId :

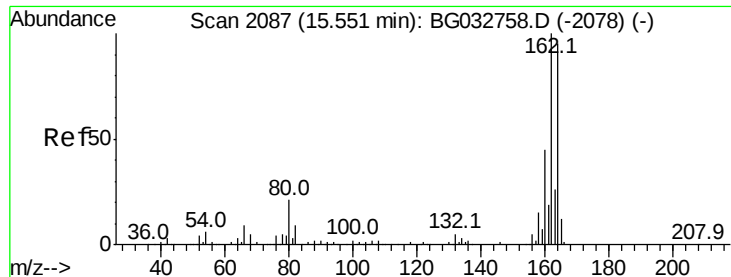
Tot Ion:122 Resp: 17973
 Ion Ratio Lower Upper
 122 100
 107 0.0 100.2 150.2#
 121 0.0 44.4 66.6#



#32
 Benzoic acid
 Concen: 18.859 ng
 RT: 11.02 min Scan# 1316
 Delta R.T. 0.05 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

Tgt Ion:122 Resp: 17973
 Ion Ratio Lower Upper
 122 100
 105 120.2 123.5 163.5#
 77 91.7 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033152.D

Acq: 14 Mar 2018 18:24

Instrument :

BNA_G

ClientSampleId :

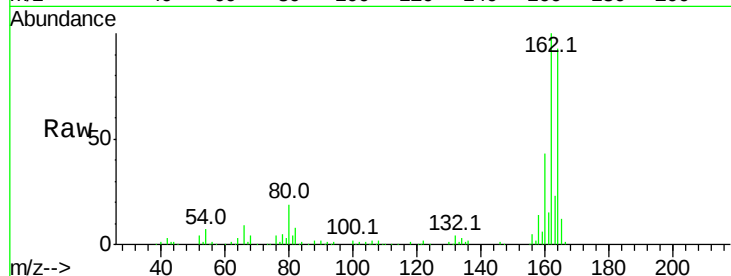
Tot Ion:164 Resp: 98232

Ion Ratio Lower Upper

164 100

162 108.0 78.8 118.2

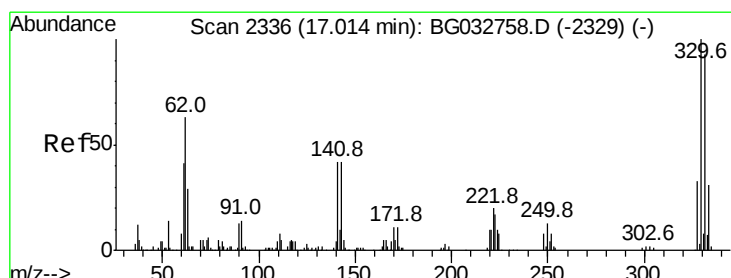
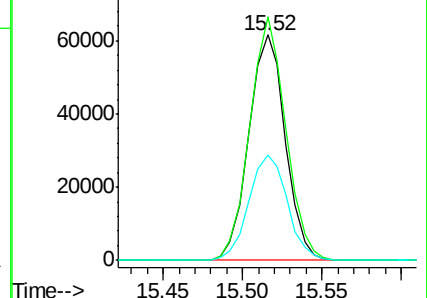
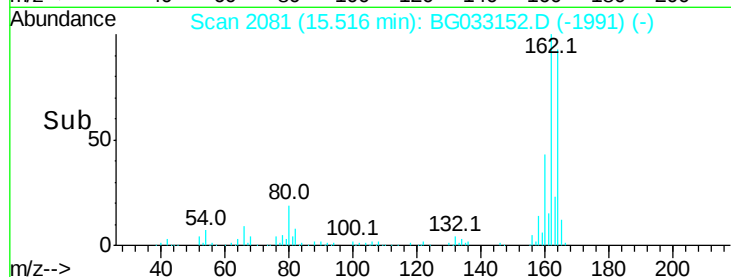
160 47.0 35.4 53.0



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: 225.793 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033152.D

Acq: 14 Mar 2018 18:24

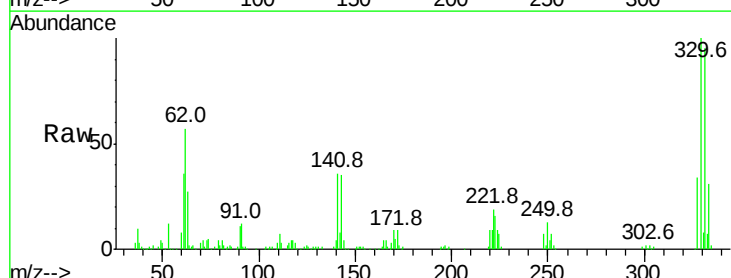
Tgt Ion:330 Resp: 233216

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

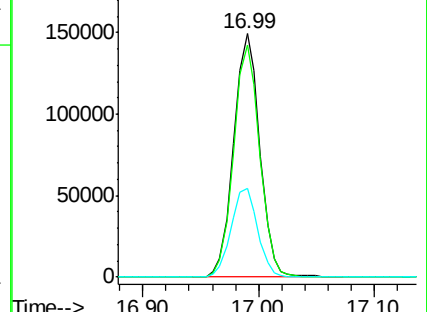
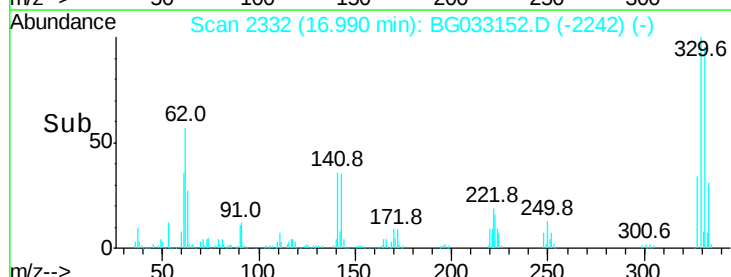
141 37.4 25.2 37.8

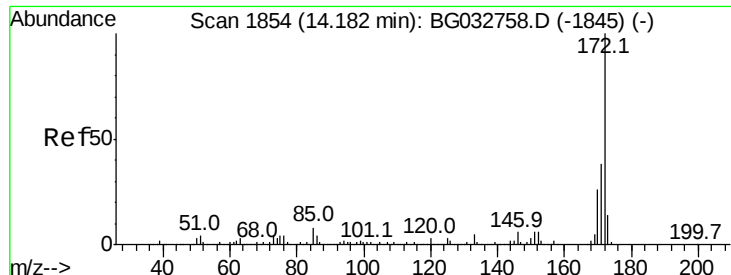


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

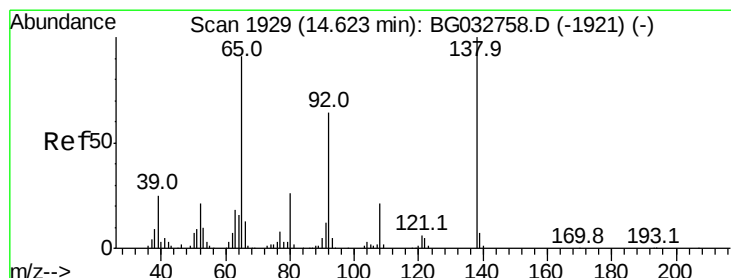
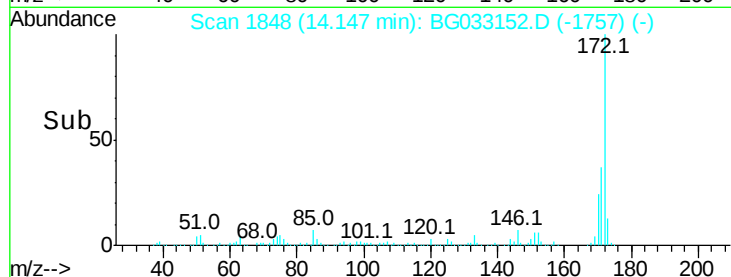
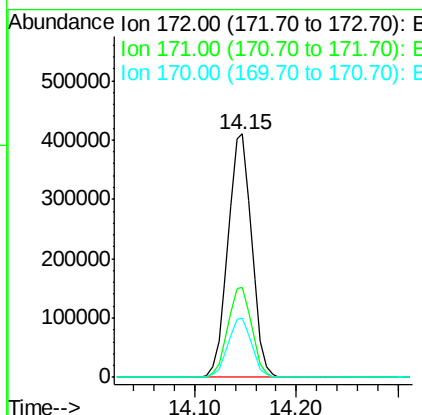
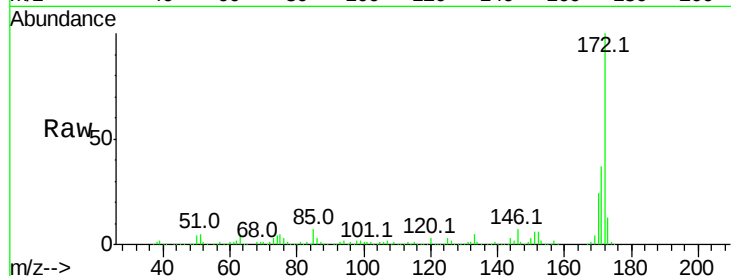




#44
2-Fluorobiphenyl
Concen: 97.748 ng
RT: 14.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

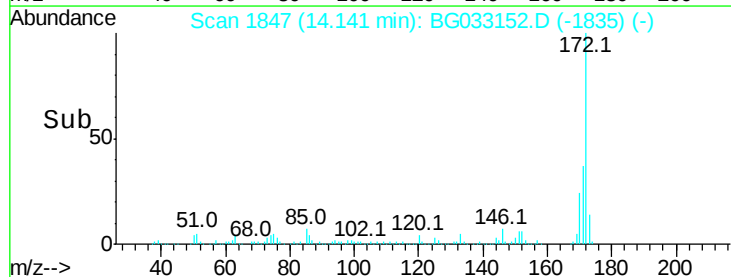
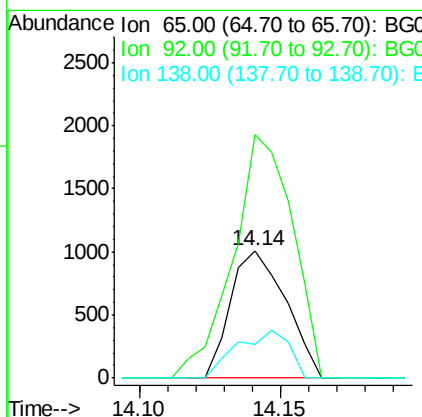
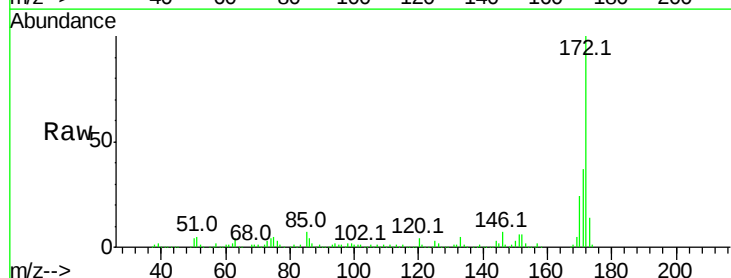
Instrument :
BNA_G
ClientSampled :

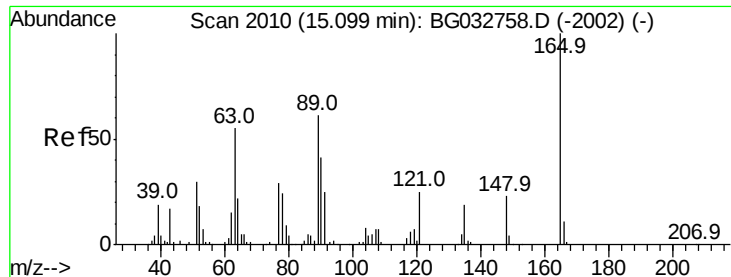
Tot Ion:172 Resp: 665760
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 24.3 19.5 29.3



#47
2-Nitroaniline
Concen: 10.509 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

Tgt Ion: 65 Resp: 1369
Ion Ratio Lower Upper
65 100
92 191.3 54.6 82.0#
138 27.0 72.9 109.3#

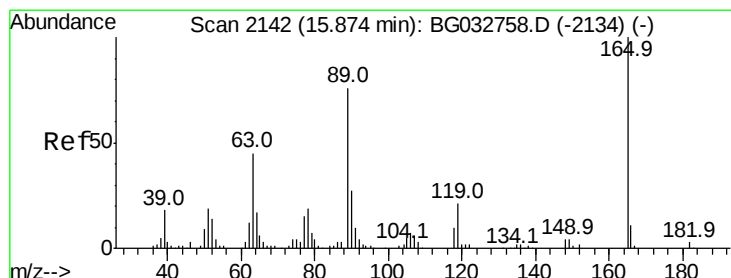
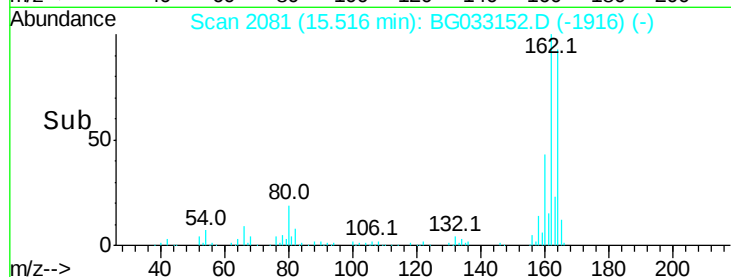
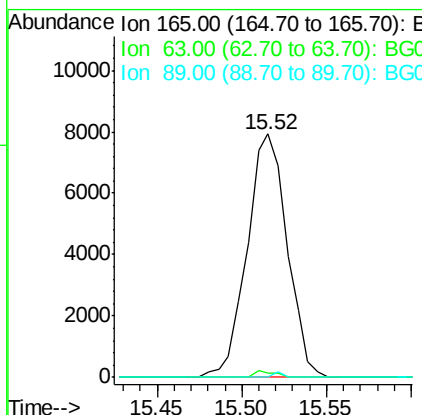
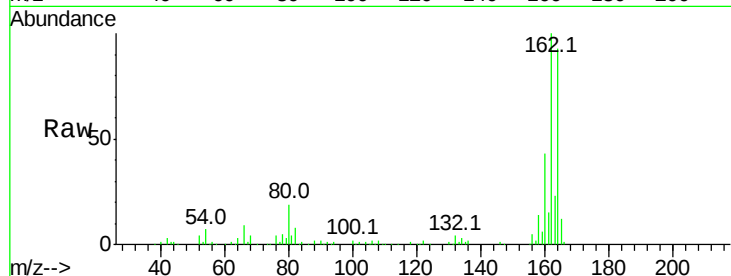




#50
 2,6-Dinitrotoluene
 Concen: 16.595 ng
 RT: 15.52 min Scan# 2081
 Delta R.T. 0.44 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

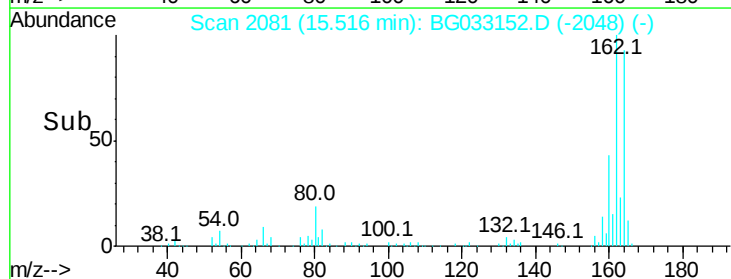
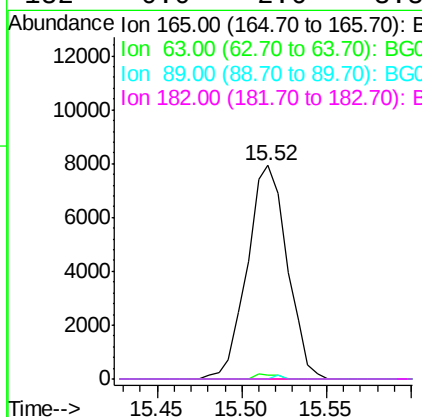
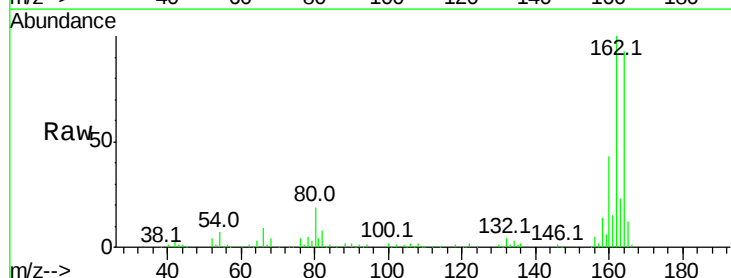
Instrument :
 BNA_G
 ClientSampled :

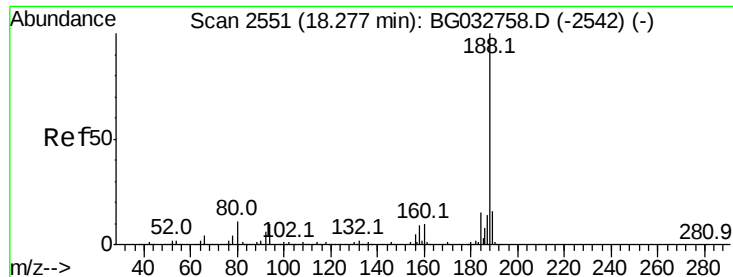
Tot Ion:165 Resp: 13044
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 14.794 ng
 RT: 15.52 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

Tgt Ion:165 Resp: 13044
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

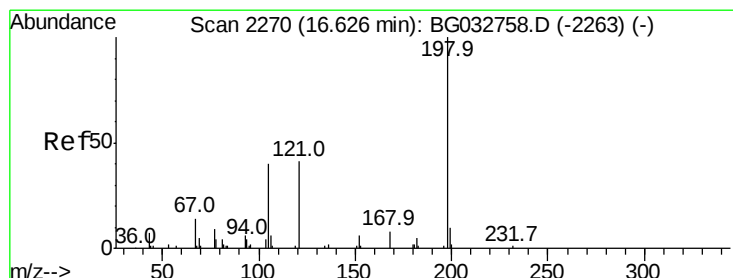
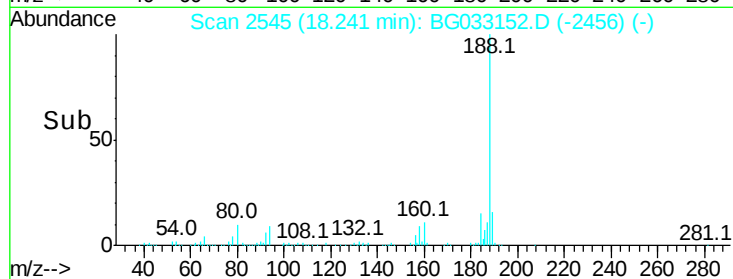
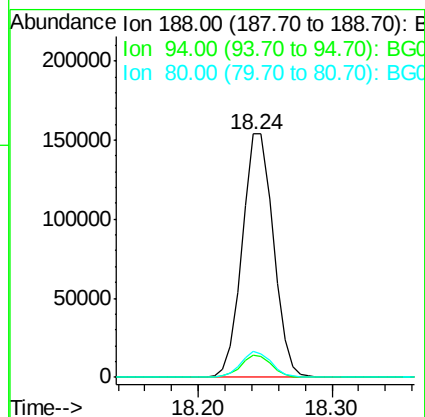
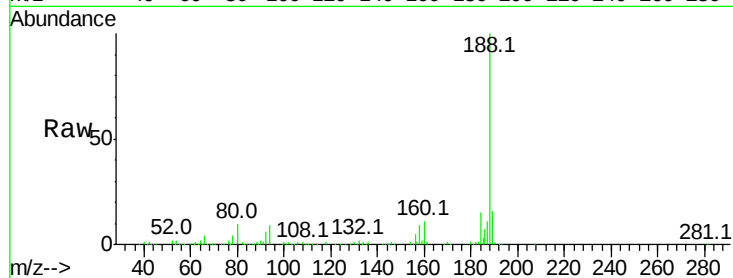




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

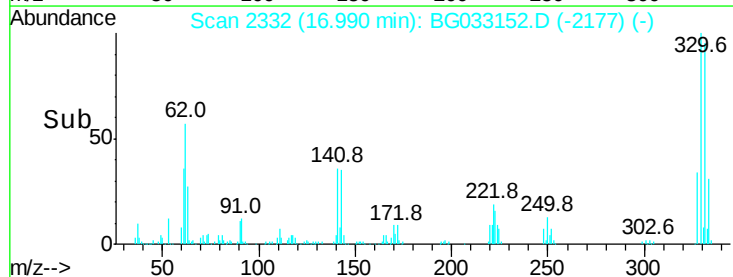
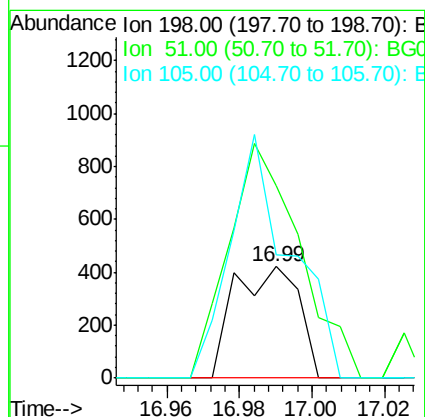
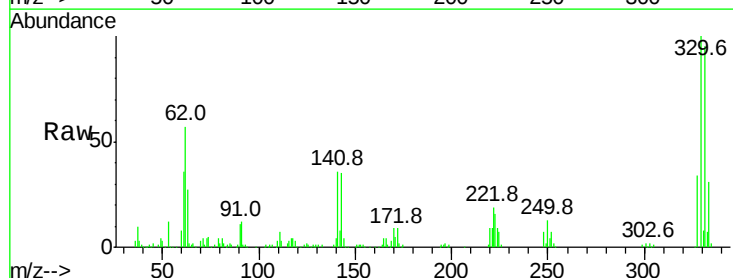
Instrument :
 BNA_G
 ClientSampleId :

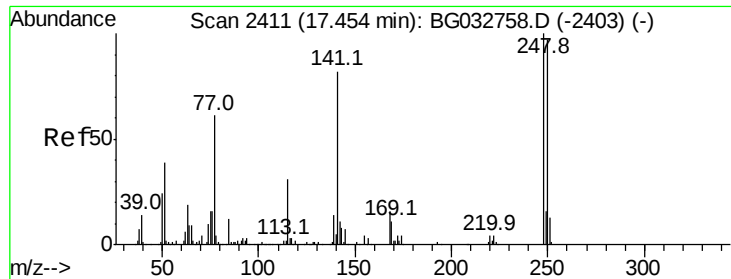
Tot Ion:188 Resp: 247609
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.9 10.3
 80 10.5 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.834 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

Tgt Ion:198 Resp: 516
 Ion Ratio Lower Upper
 198 100
 51 172.4 30.6 70.6#
 105 110.5 23.8 63.8#

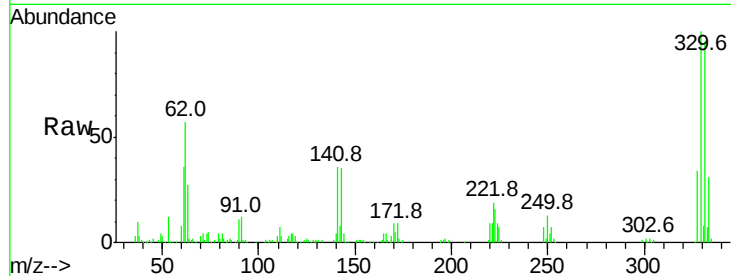




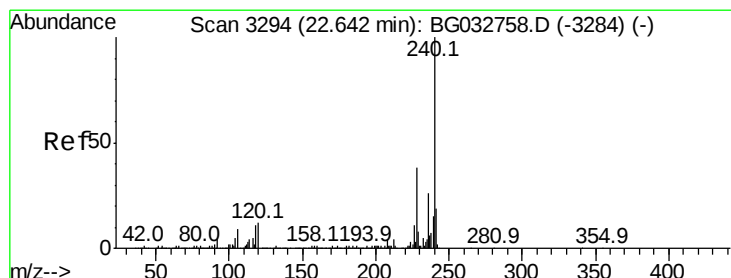
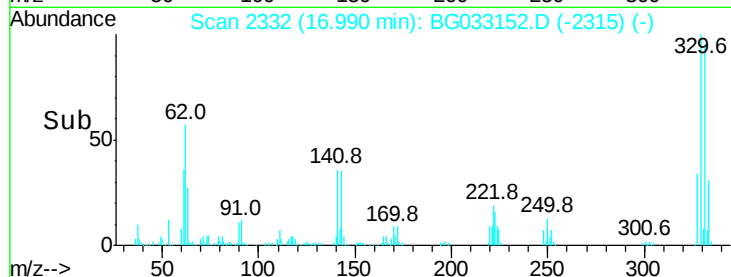
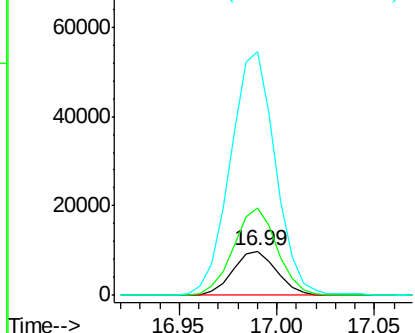
#66
 4-Bromophenyl-phenylether
 Concen: 5.832 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15270
 Ion Ratio Lower Upper
 248 100
 250 197.2 77.1 115.7#
 141 550.6 50.8 76.2#

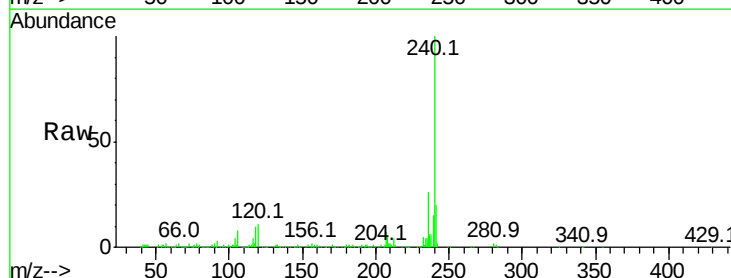


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

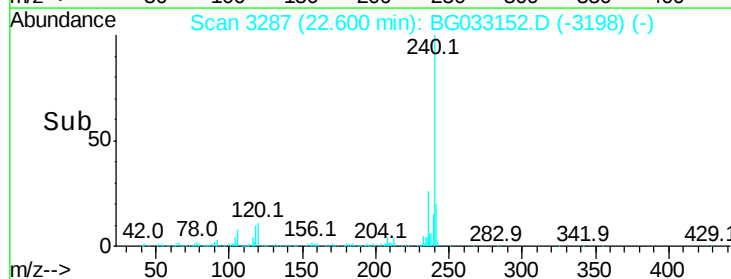
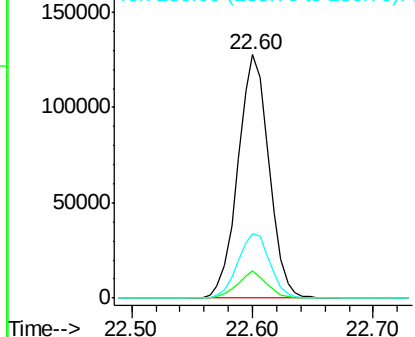


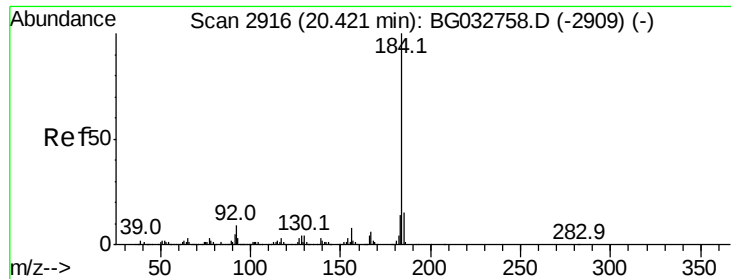
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033152.D
 Acq: 14 Mar 2018 18:24

Tgt Ion:240 Resp: 229318
 Ion Ratio Lower Upper
 240 100
 120 11.0 6.8 10.2#
 236 26.4 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

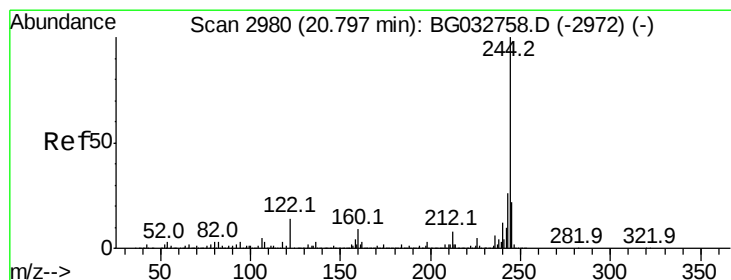
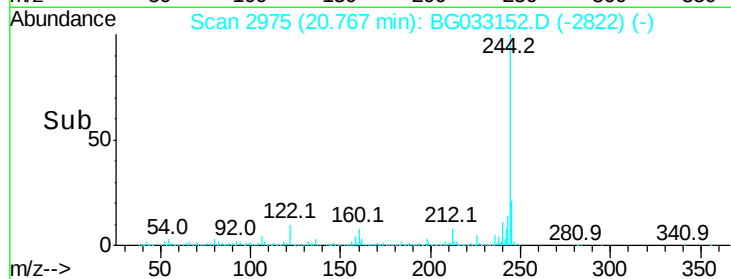
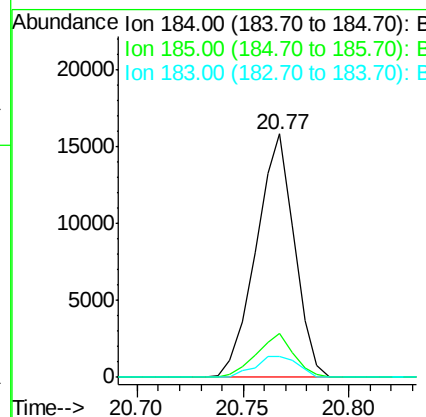
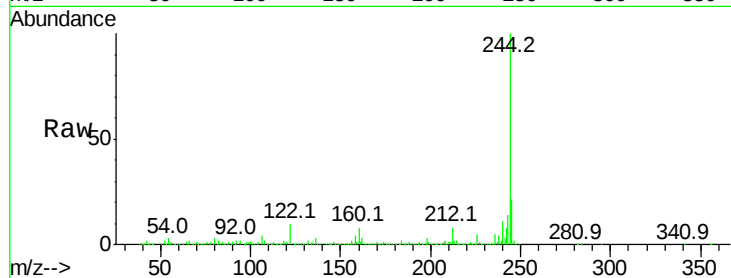




#76
Benzidine
Concen: 2.544 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.37 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

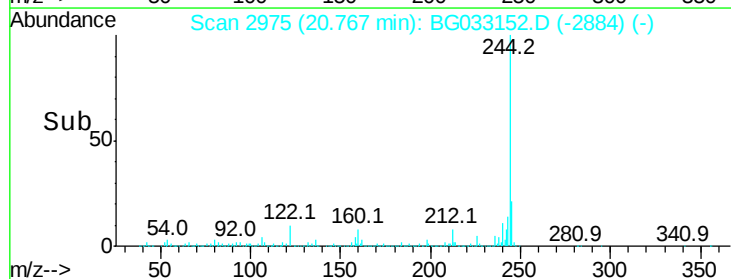
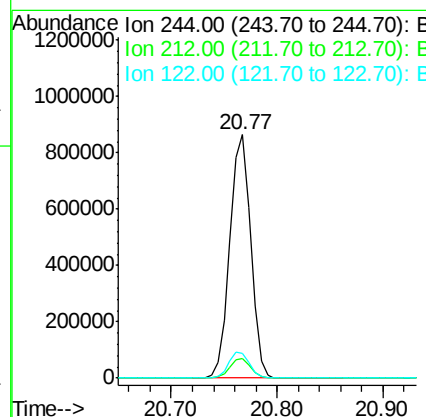
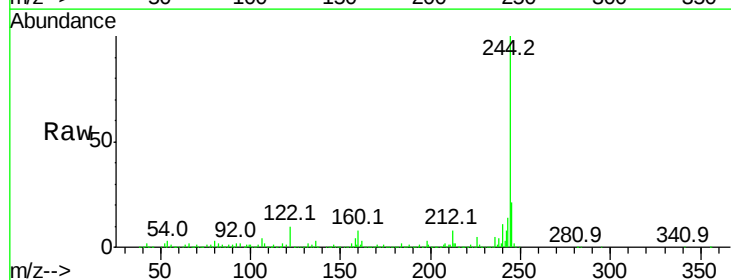
Instrument :
BNA_G
ClientSampleId :

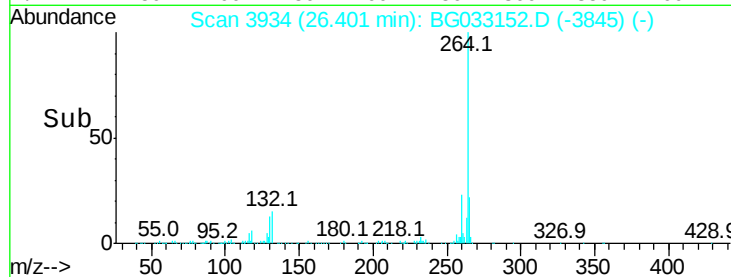
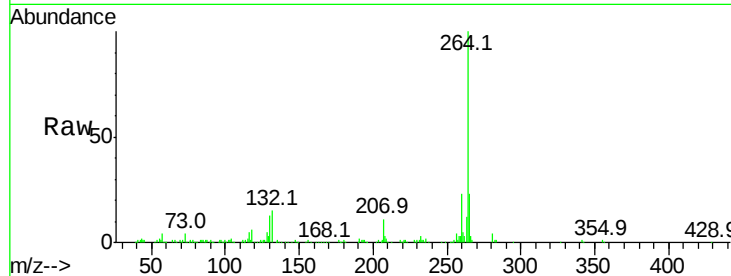
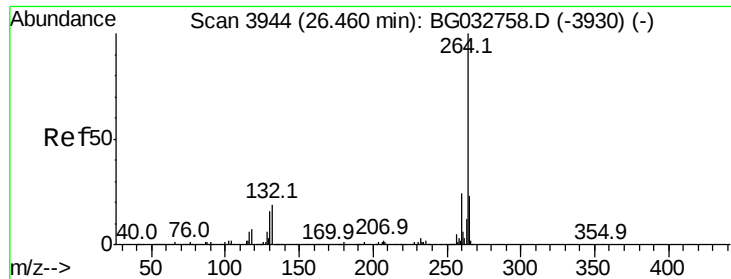
Tot Ion:184 Resp: 19884
Ion Ratio Lower Upper
184 100
185 18.1 11.1 16.7#
183 8.7 10.6 16.0#



#78
Terphenyl-d14
Concen: 115.657 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033152.D
Acq: 14 Mar 2018 18:24

Tgt Ion:244 Resp: 1180480
Ion Ratio Lower Upper
244 100
212 8.1 5.8 8.8
122 10.4 7.0 10.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033152.D

Acq: 14 Mar 2018 18:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 240897

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.8 17.7 26.5

