

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033230.D
 Acq On : 17 Mar 2018 12:30
 Operator : SJ/JU
 Sample : PB107416TB
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB107416TB

Quant Time: Mar 19 02:27:49 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	31910	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	131597	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	97219	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	286951	20.00	ng	0.00
75) Chrysene-d12	22.59	240	312872	20.00	ng	-0.01
86) Perylene-d12	26.39	264	346053	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	260337	130.52	ng	0.00
7) Phenol-d6	8.00	99	377540	135.80	ng	-0.01
23) Nitrobenzene-d5	10.10	82	239029	121.26	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	203963	199.53	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	573616	85.10	ng	0.00
78) Terphenyl-d14	20.76	244	1248699	89.67	ng	0.00

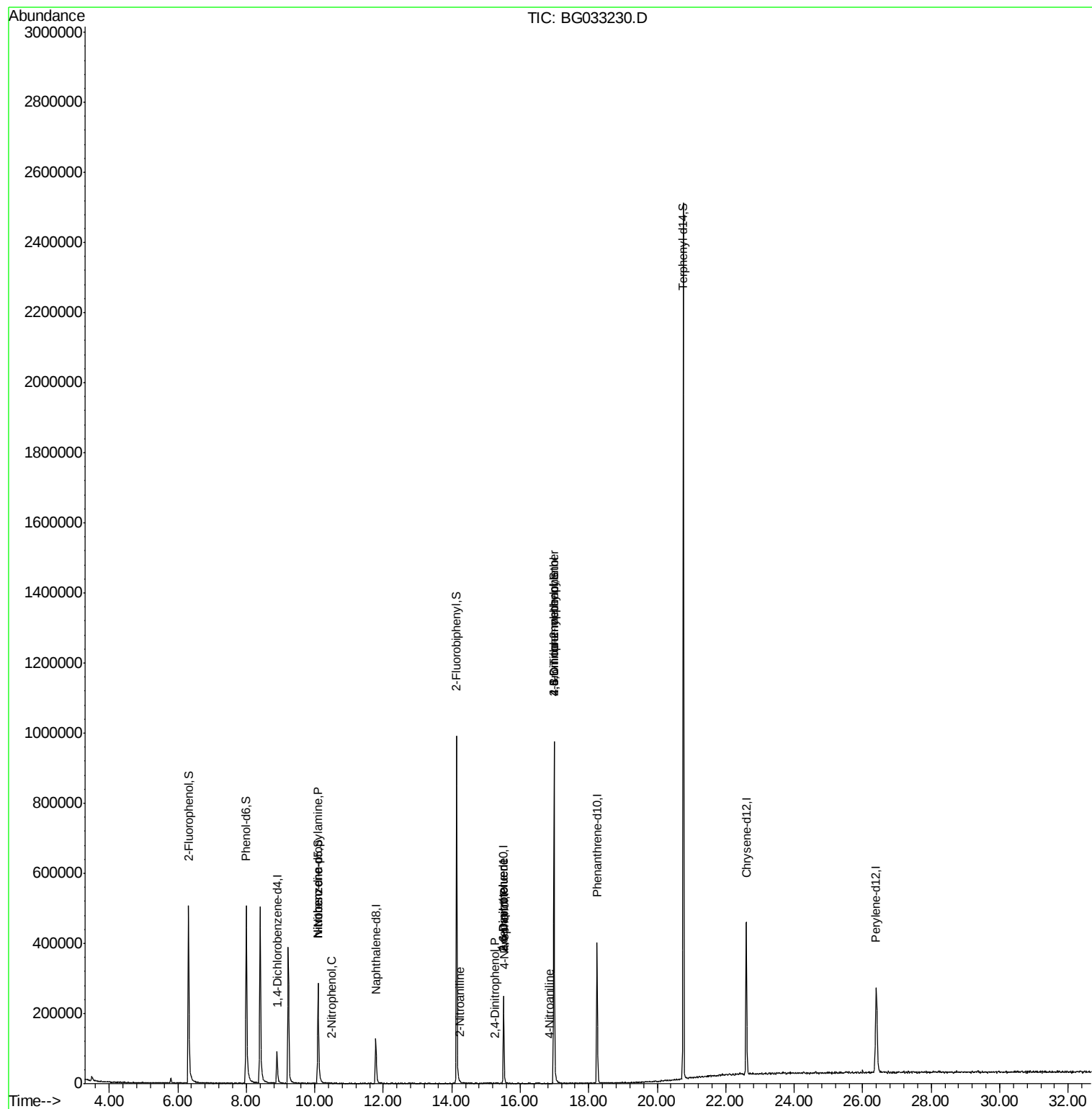
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.09	70	32119	16.365	ng	# 77
24) Nitrobenzene	10.09	77	804	6.713	ng	# 42
26) 2-Nitrophenol	10.50	139	57	5.519	ng	# 29
47) 2-Nitroaniline	14.25	65	70	9.870	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	12507	16.355	ng	# 18
53) 2,4-Dinitrophenol	15.27	184	58	3.582	ng	# 1
55) 4-Nitrophenol	15.53	139	90	7.141	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12507	14.553	ng	# 16
61) 4-Nitroaniline	16.85	138	66	5.333	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	575	5.800	ng	# 1
66) 4-Bromophenyl-phenylether	16.98	248	15203	5.011	ng	# 1

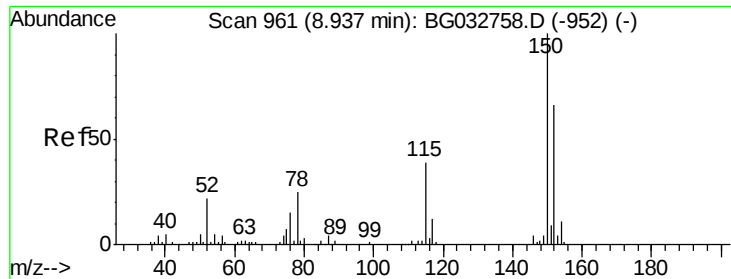
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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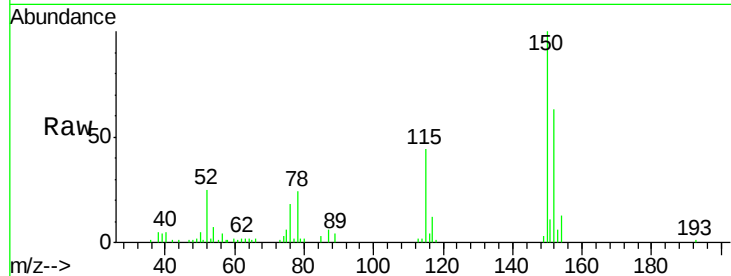


#1

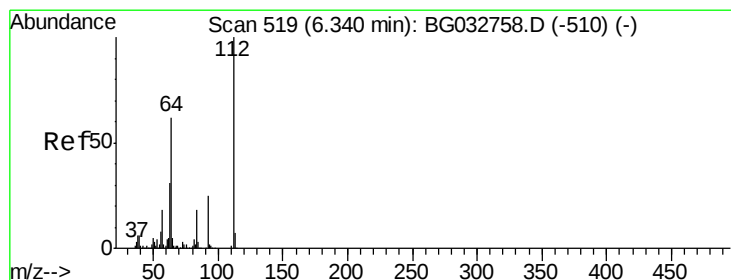
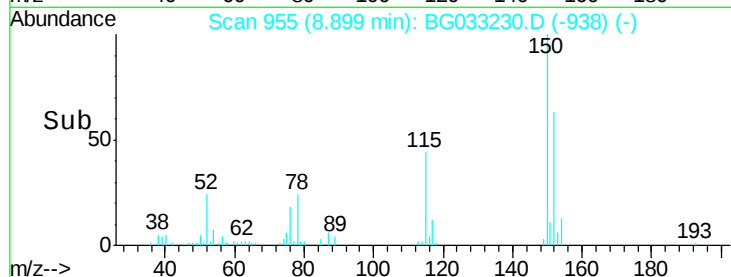
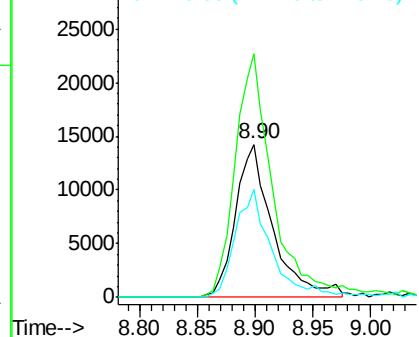
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

Instrument :
BNA_G
ClientSampleId :
PB107416TB

Tot Ion:152 Resp: 31910
Ion Ratio Lower Upper
152 100
150 159.1 126.6 189.8
115 70.1 53.0 79.4



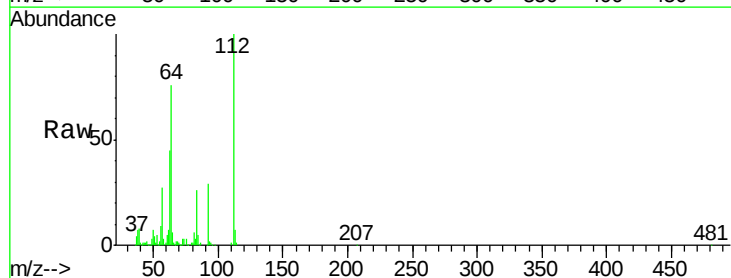
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



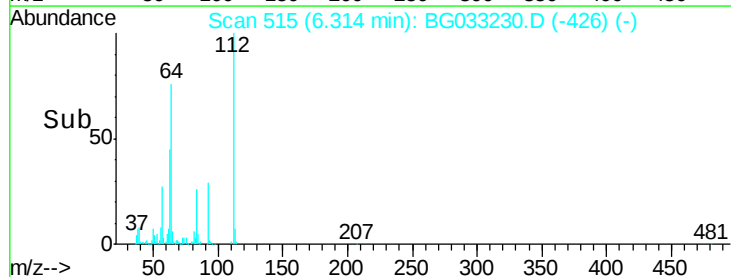
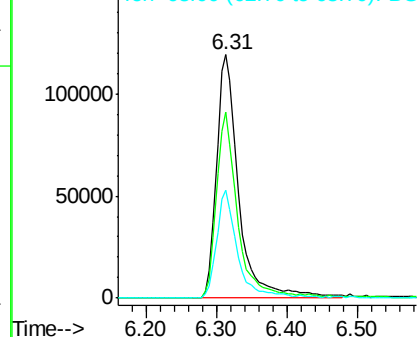
#5

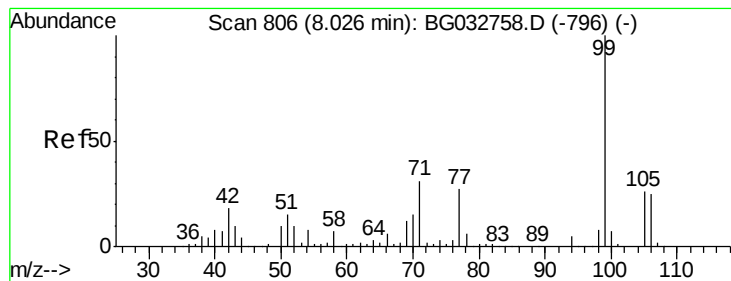
2-Fluorophenol
Concen: 130.524 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.01 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

Tgt Ion:112 Resp: 260337
Ion Ratio Lower Upper
112 100
64 76.3 56.3 84.5
63 44.6 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: 135.799 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Instrument :

BNA_G

ClientSampleId :

PB107416TB

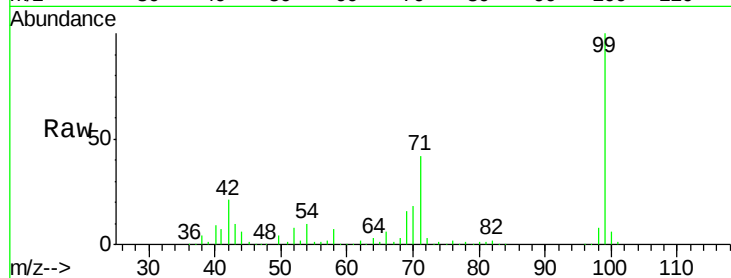
Tot Ion: 99 Resp: 377540

Ion Ratio Lower Upper

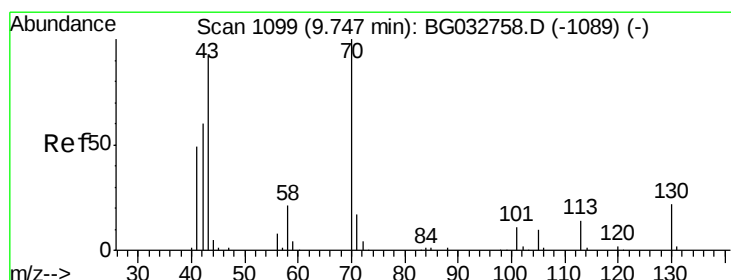
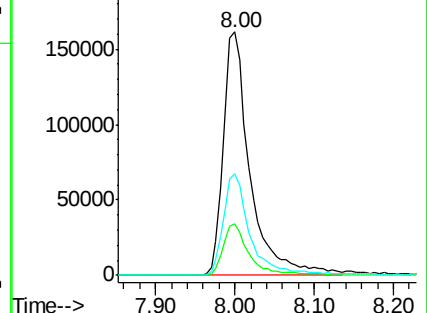
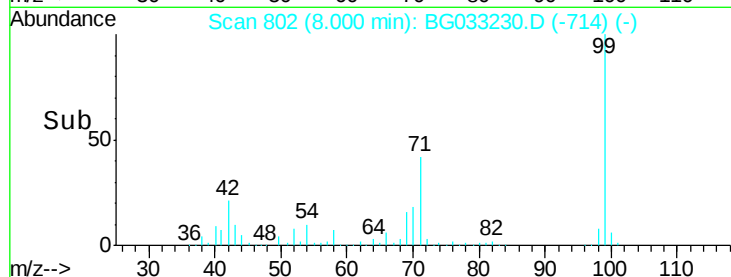
99 100

42 21.1 14.1 21.1

71 41.8 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: 16.365 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.38 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Tgt Ion: 70 Resp: 32119

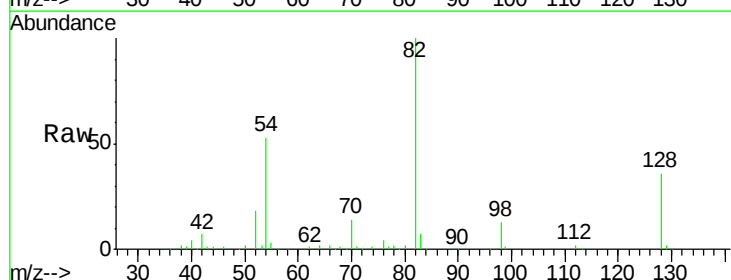
Ion Ratio Lower Upper

70 100

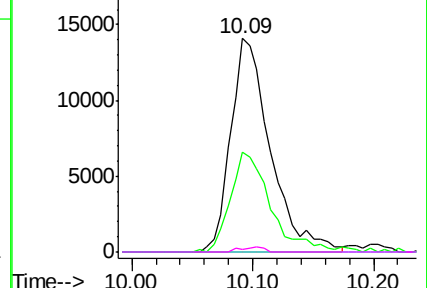
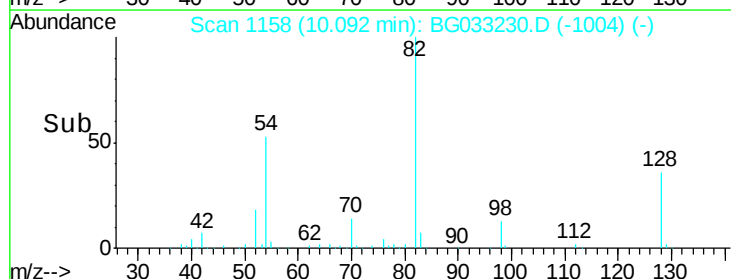
42 46.9 49.1 73.7#

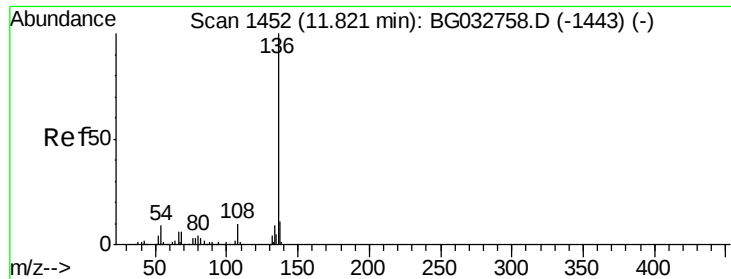
101 0.0 8.5 12.7#

130 1.1 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

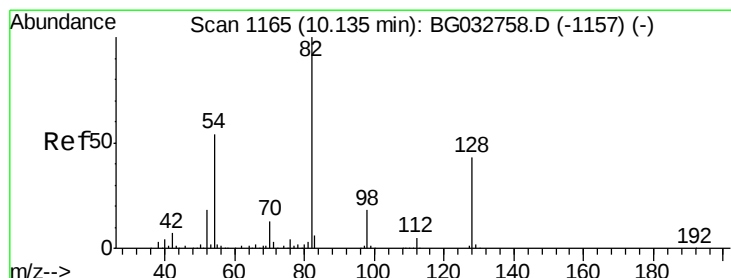
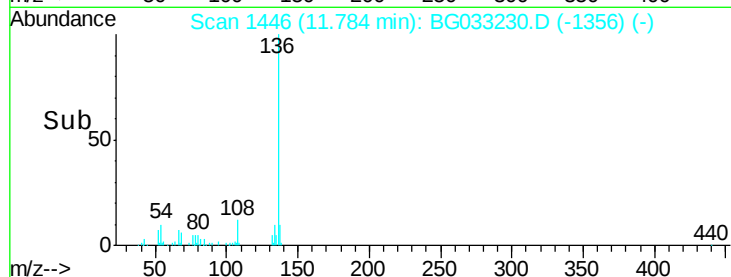
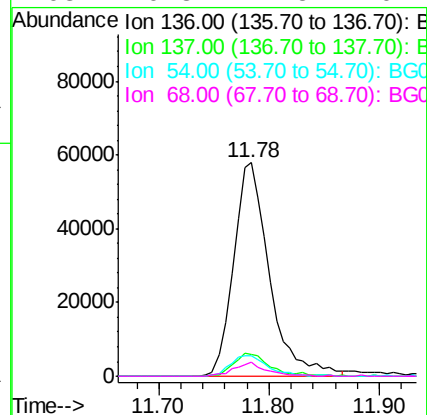
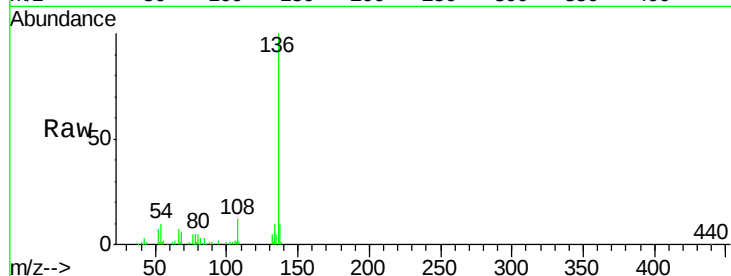




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

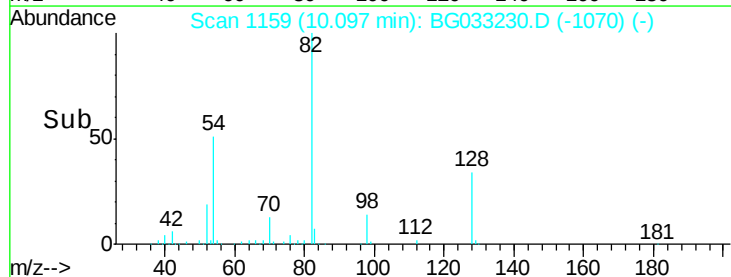
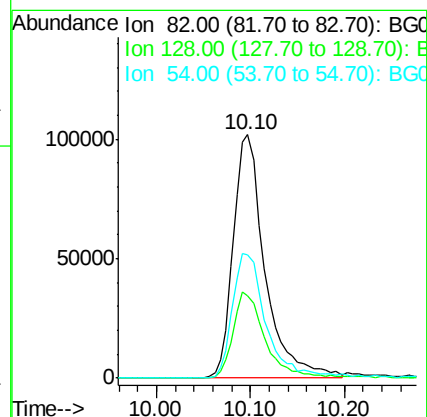
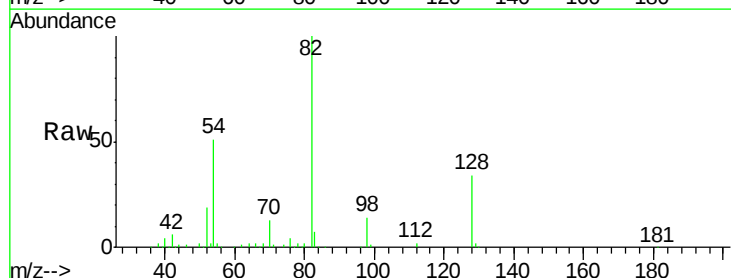
Instrument :
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PB107416TB

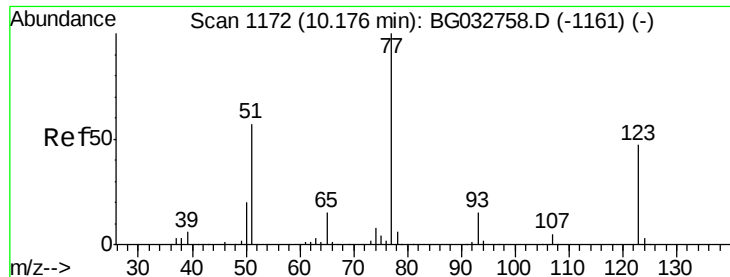
Tot Ion:136	Resp:	131597
Ion	Ratio	Lower Upper
136	100	
137	10.1	9.2 13.8
54	9.6	10.3 15.5#
68	6.3	4.5 6.7



#23
Nitrobenzene-d5
Concen: 121.260 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

Tgt Ion: 82	Resp:	239029
Ion	Ratio	Lower Upper
82	100	
128	33.6	29.7 44.5
54	50.8	43.1 64.7





#24

Nitrobenzene

Concen: 6.713 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Instrument :

BNA_G

ClientSampleId :

PB107416TB

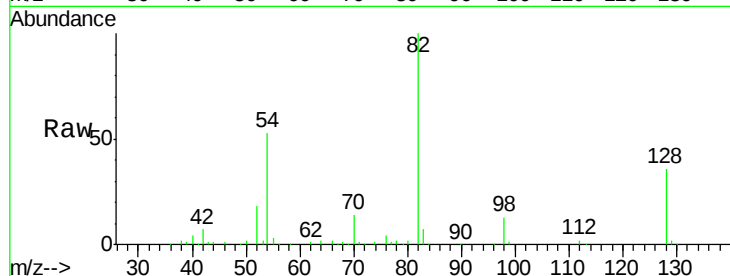
Tot Ion: 77 Resp: 804

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

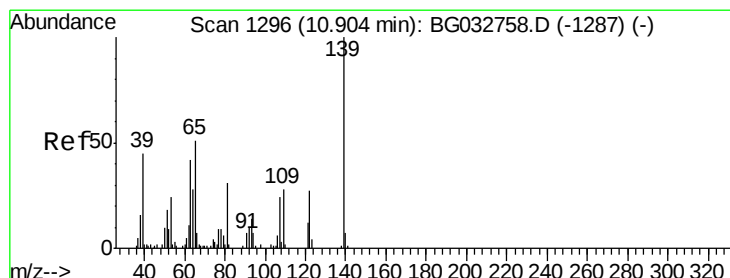
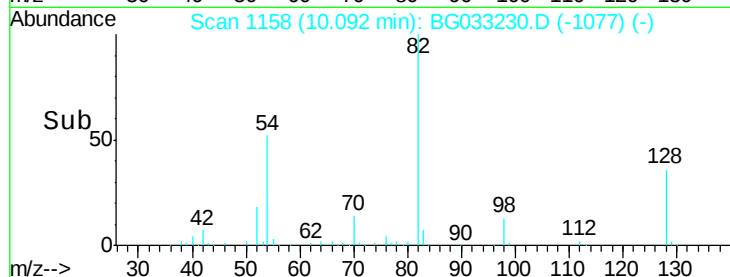
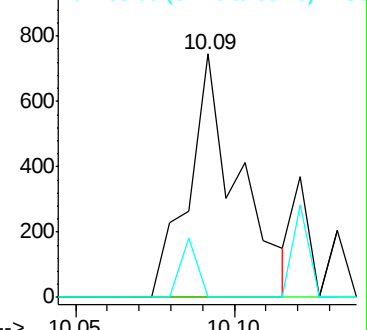
65 0.0 13.0 19.6#



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



#26

2-Nitrophenol

Concen: 5.519 ng

RT: 10.50 min Scan# 1227

Delta R.T. -0.37 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

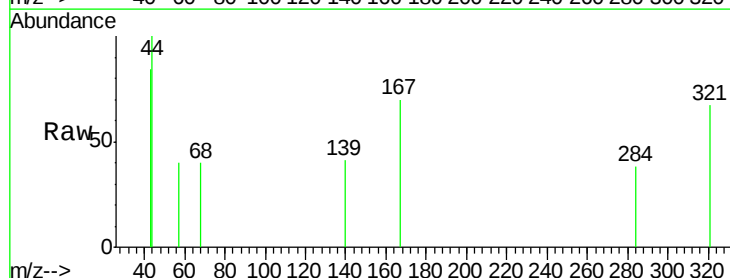
Tgt Ion: 139 Resp: 57

Ion Ratio Lower Upper

139 100

109 0.0 24.2 36.2#

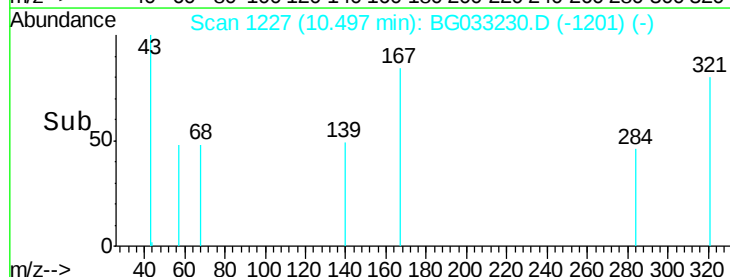
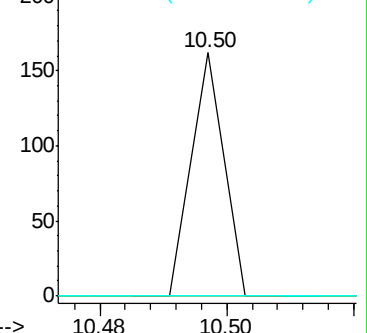
65 0.0 47.4 71.0#

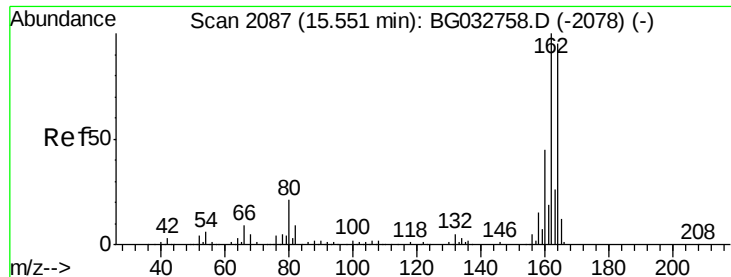


Abundance Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Instrument :

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ClientSampleId :

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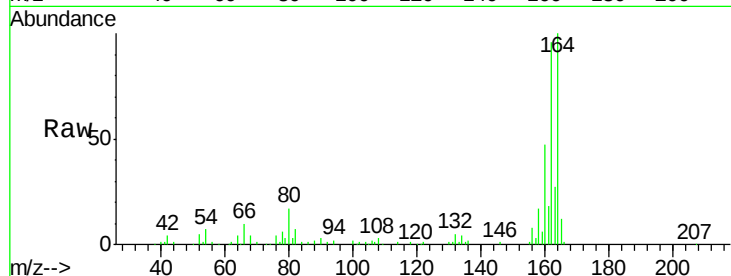
Tot Ion:164 Resp: 97219

Ion Ratio Lower Upper

164 100

162 95.6 78.8 118.2

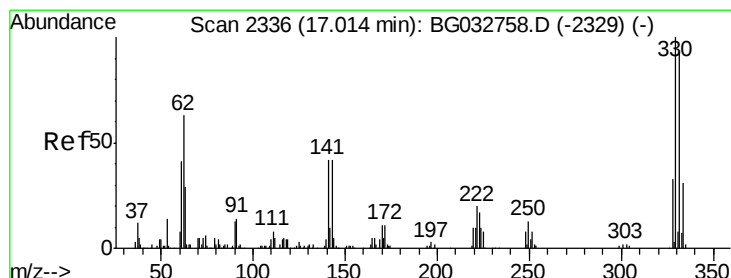
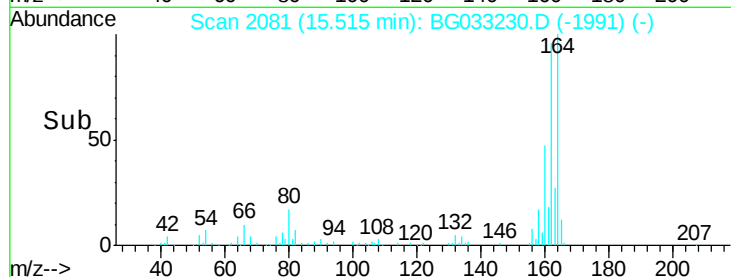
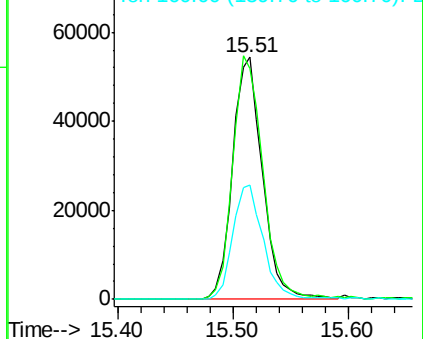
160 47.0 35.4 53.0



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: 199.529 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.01 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

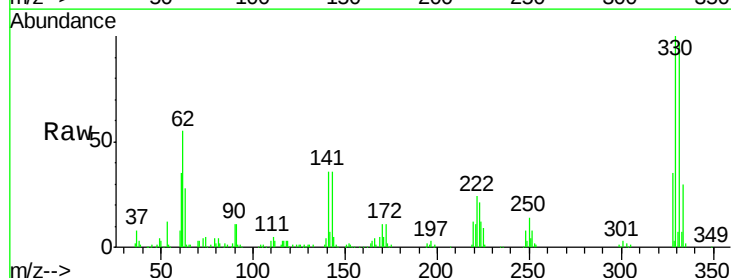
Tgt Ion:330 Resp: 203963

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

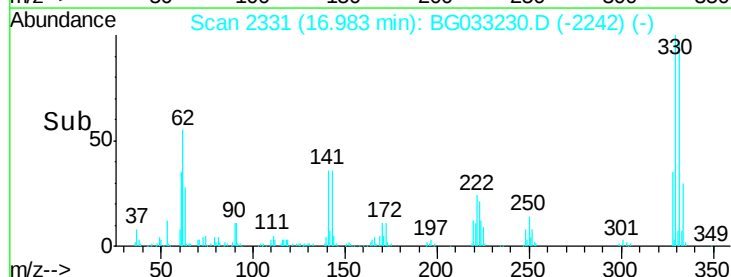
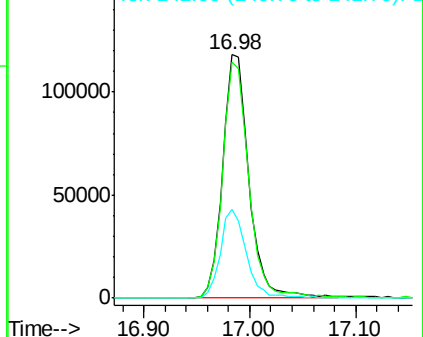
141 36.4 25.2 37.8

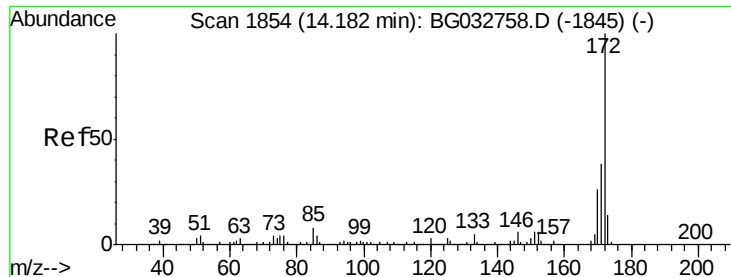


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

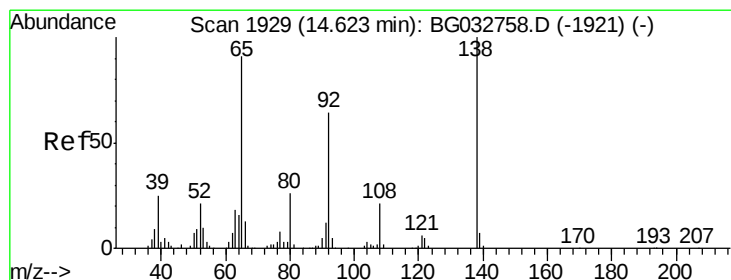
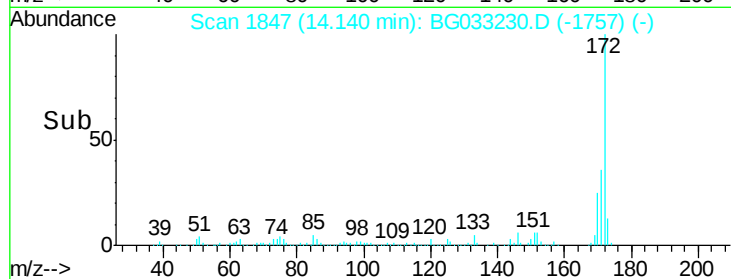
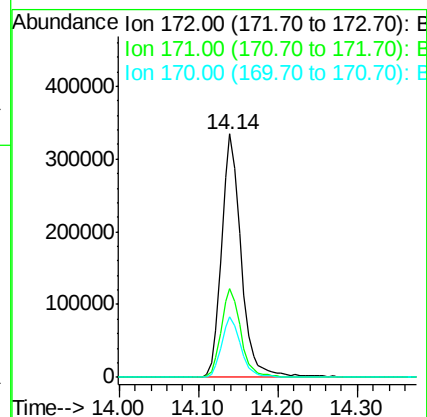
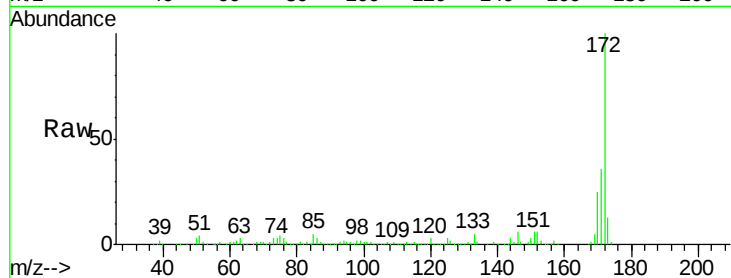




#44
2-Fluorobiphenyl
Concen: 85.096 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

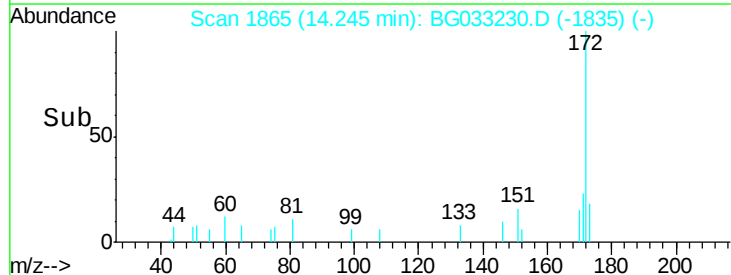
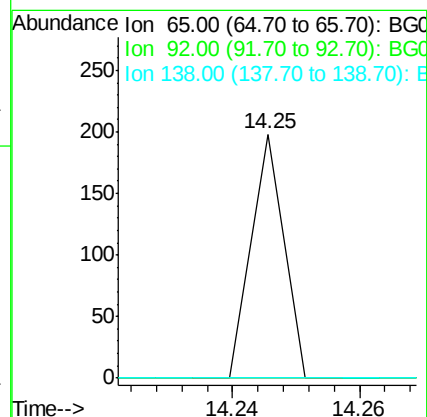
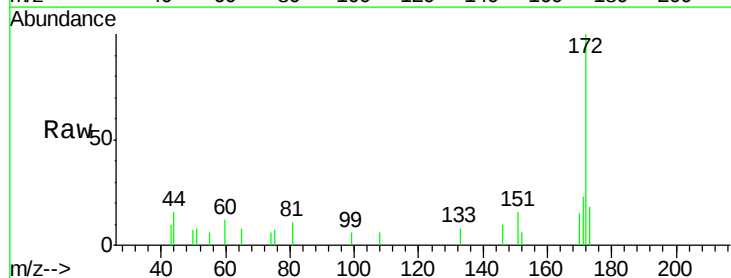
Instrument :
BNA_G
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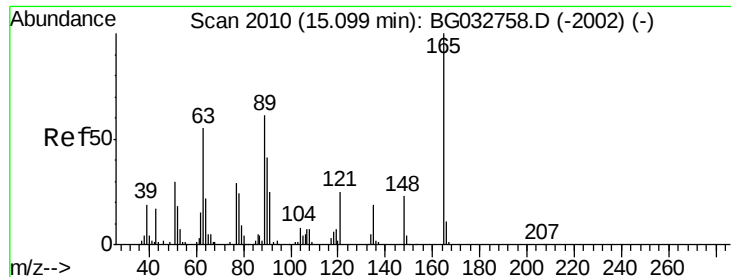
Tot Ion:172 Resp: 573616
Ion Ratio Lower Upper
172 100
171 36.2 30.0 45.0
170 24.8 19.5 29.3



#47
2-Nitroaniline
Concen: 9.870 ng
RT: 14.25 min Scan# 1865
Delta R.T. -0.36 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

Tgt Ion: 65 Resp: 70
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#

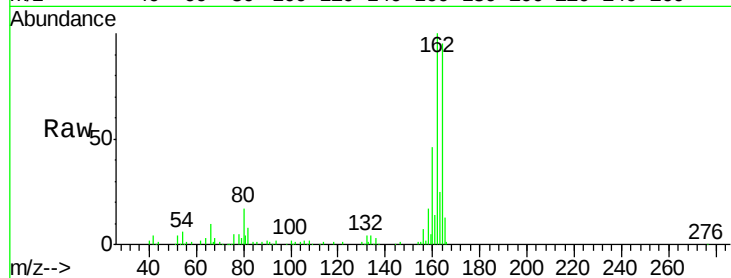




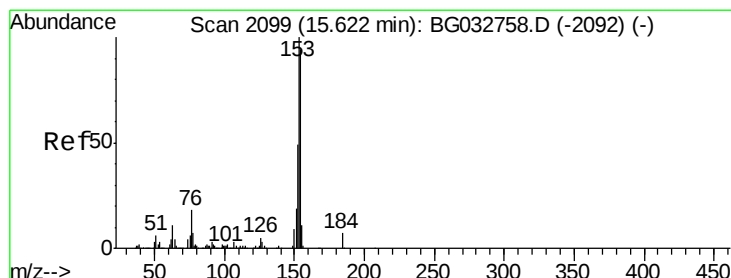
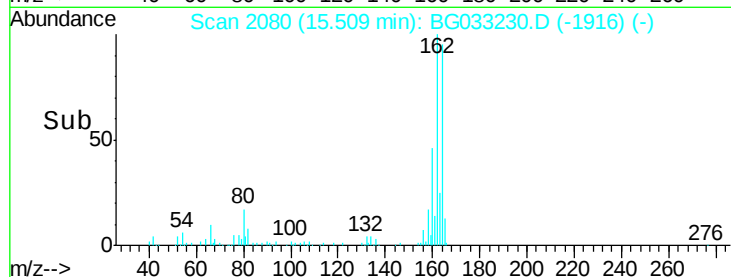
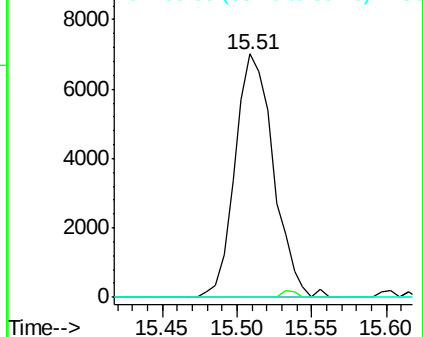
#50
 2,6-Dinitrotoluene
 Concen: 16.355 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.43 min
 Lab File: BG033230.D
 Acq: 17 Mar 2018 12:30

Instrument :
 BNA_G
 ClientSampleId :
 PB107416TB

Tot Ion:165 Resp: 12507
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

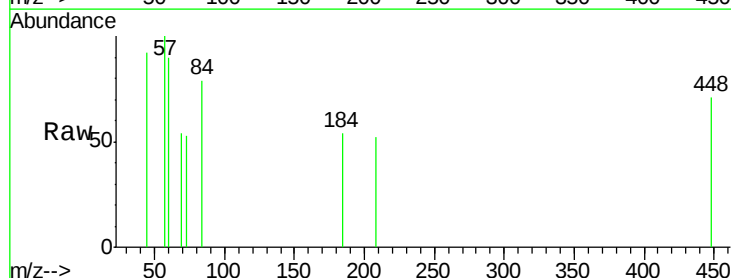


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

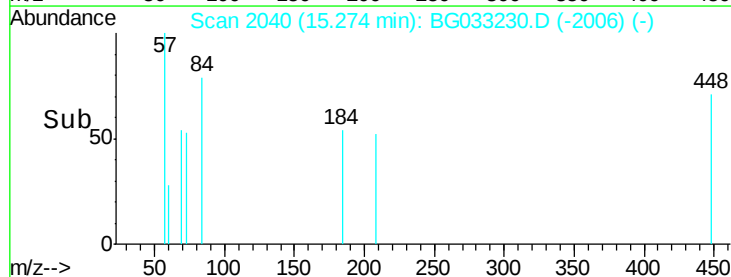
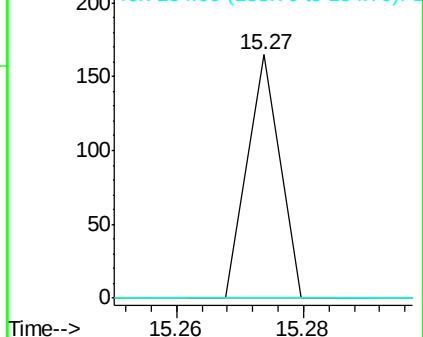


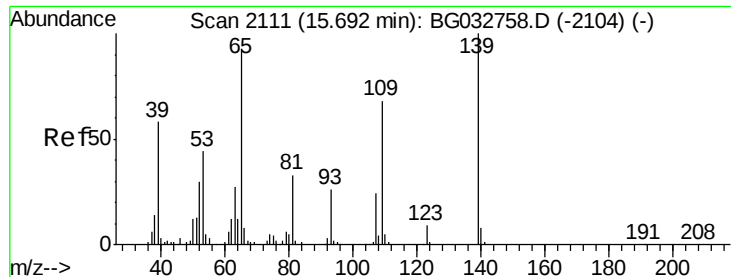
#53
 2,4-Dinitrophenol
 Concen: 3.582 ng
 RT: 15.27 min Scan# 2040
 Delta R.T. -0.33 min
 Lab File: BG033230.D
 Acq: 17 Mar 2018 12:30

Tgt Ion:184 Resp: 58
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 7.141 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.17 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Instrument :

BNA_G

ClientSampleId :

PB107416TB

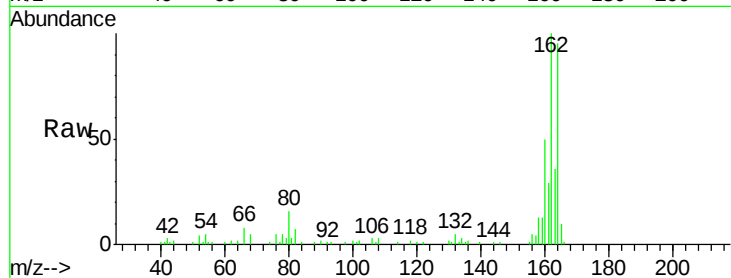
Tot Ion:139 Resp: 90

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

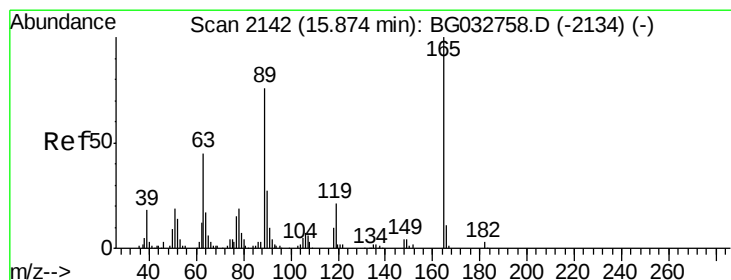
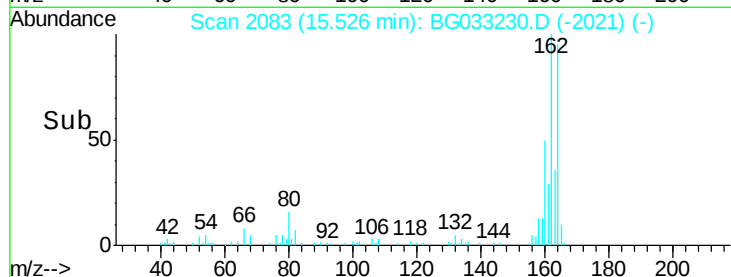
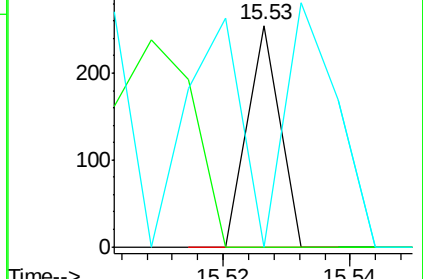
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.553 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.34 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Tgt Ion:165 Resp: 12507

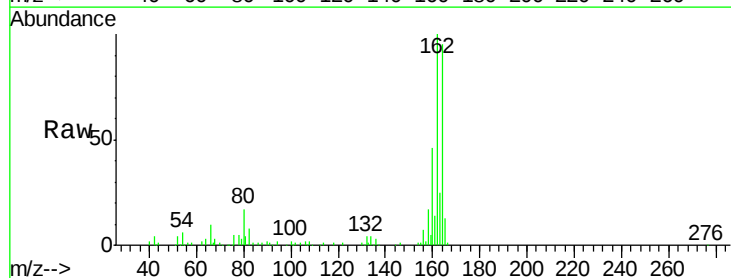
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

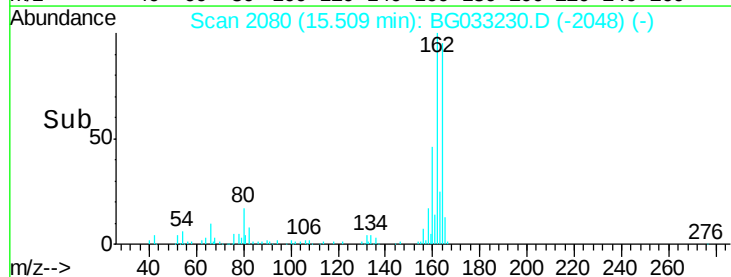
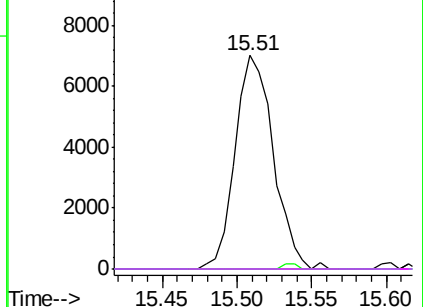


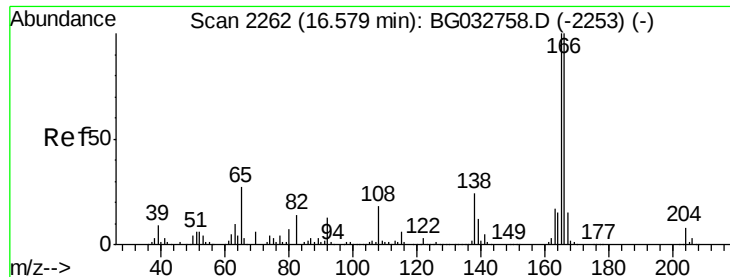
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

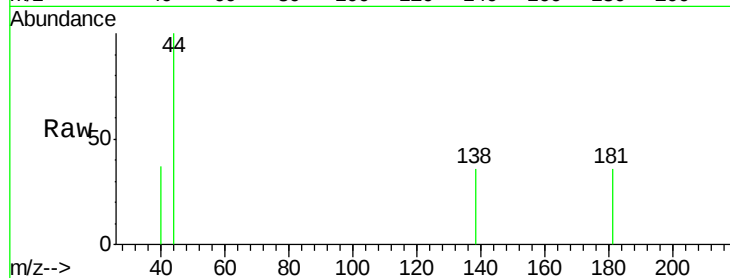




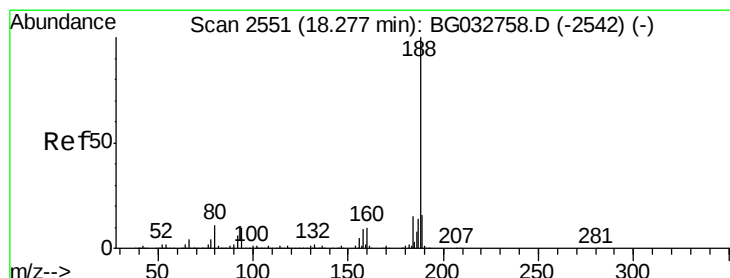
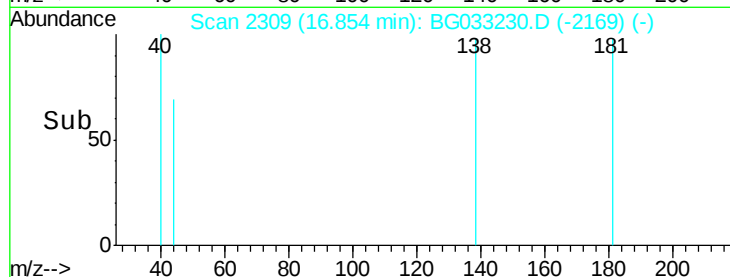
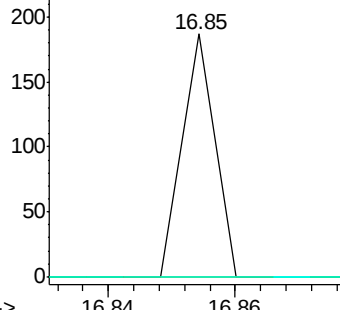
#61
4-Nitroaniline
Concen: 5.333 ng
RT: 16.85 min Scan# 2309
Delta R.T. 0.29 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

Instrument :
BNA_G
ClientSampleId :
PB107416TB

Tot Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

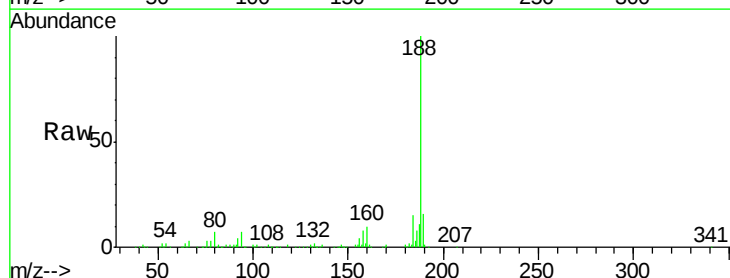


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

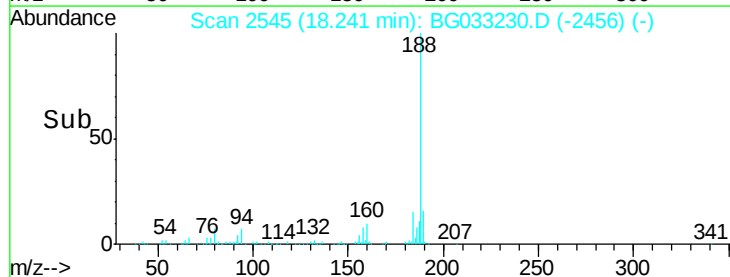
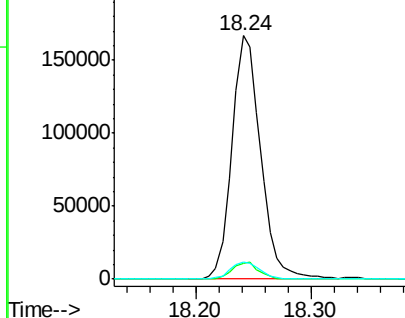


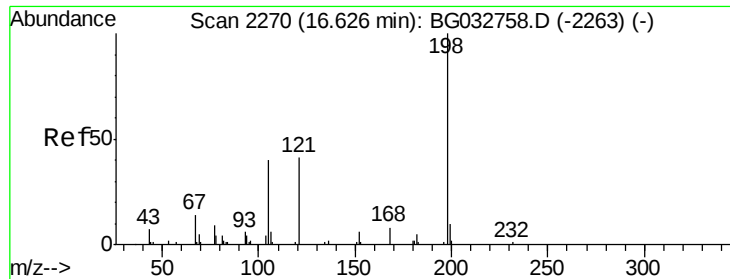
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033230.D
Acq: 17 Mar 2018 12:30

Tgt Ion:188 Resp: 286951
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 7.2 7.7 11.5#



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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.800 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Instrument :

BNA_G

ClientSampleId :

PB107416TB

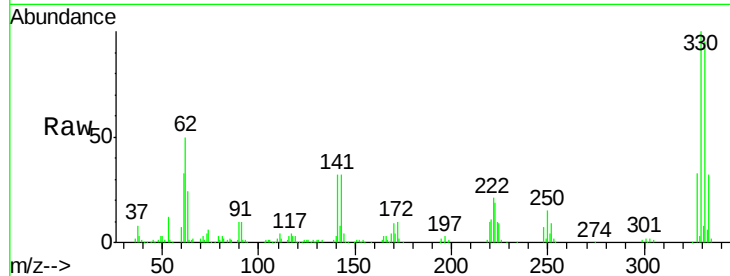
Tot Ion:198 Resp: 575

Ion Ratio Lower Upper

198 100

51 163.6 30.6 70.6#

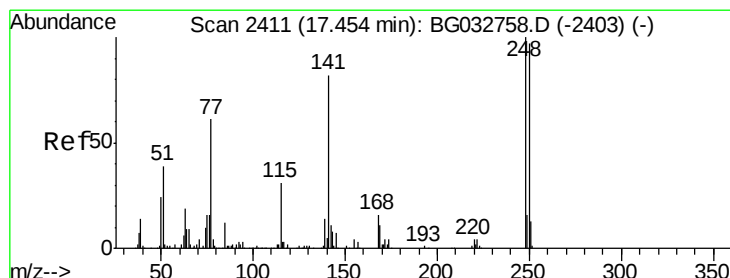
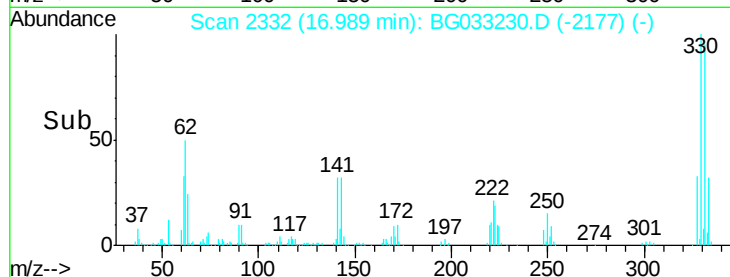
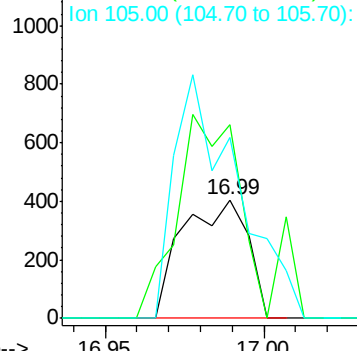
105 153.2 23.8 63.8#



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: 5.011 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.44 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

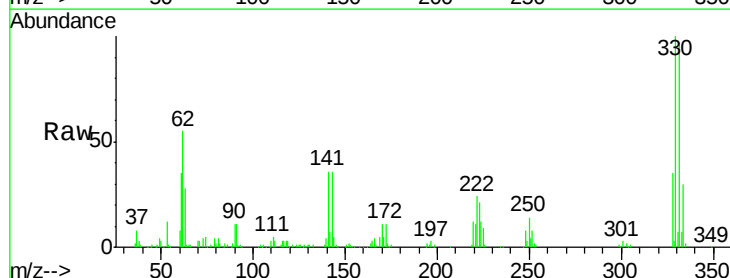
Tgt Ion:248 Resp: 15203

Ion Ratio Lower Upper

248 100

250 189.4 77.1 115.7#

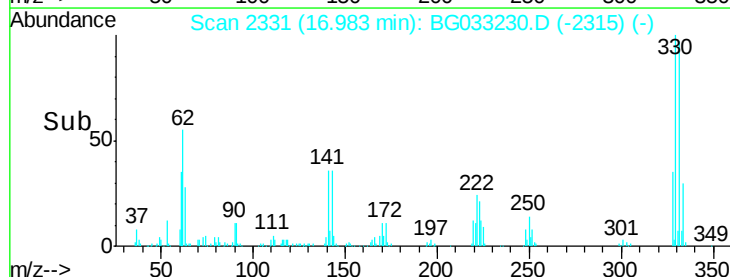
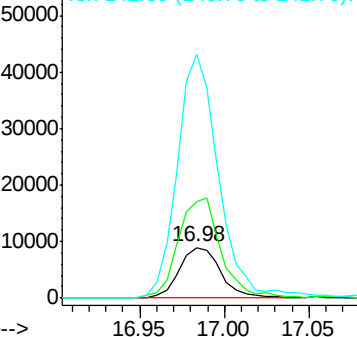
141 478.7 50.8 76.2#

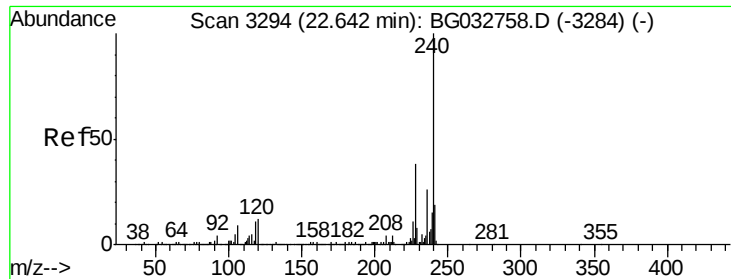


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.59 min Scan# 3286

Delta R.T. -0.01 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Instrument :

BNA_G

ClientSampleId :

PB107416TB

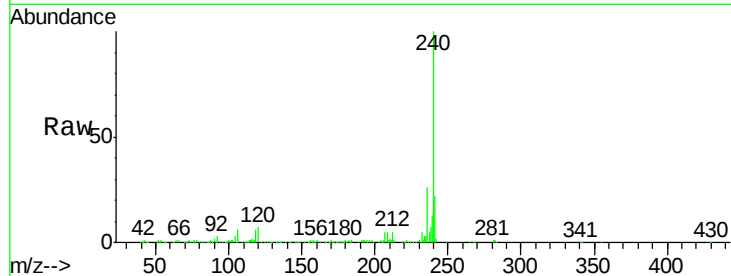
Tot Ion:240 Resp: 312872

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

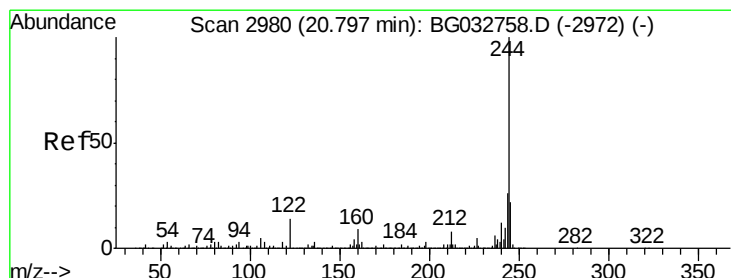
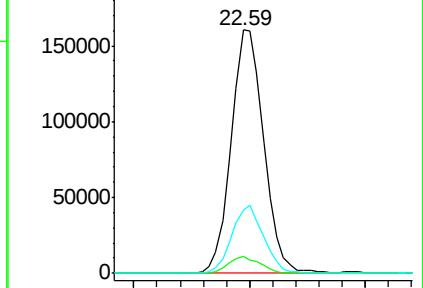
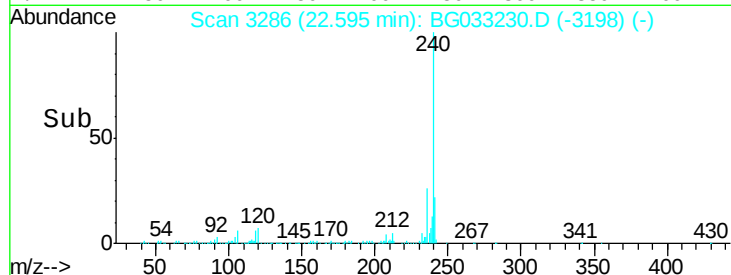
236 26.0 20.9 31.3



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



#78

Terphenyl-d14

Concen: 89.669 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

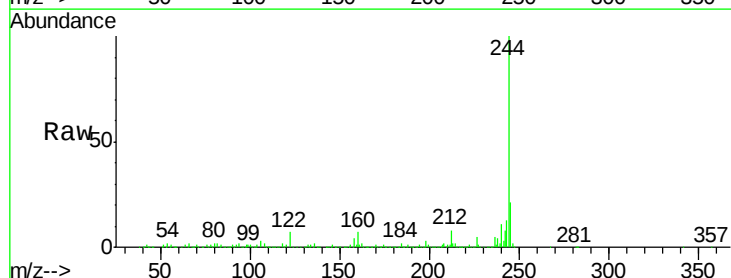
Tgt Ion:244 Resp: 1248699

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

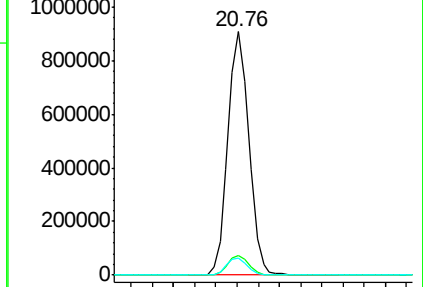
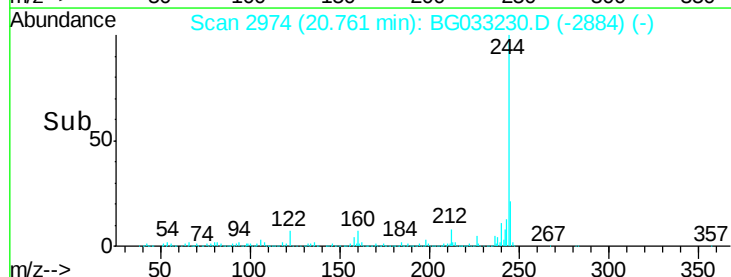
122 6.8 7.0 10.4#

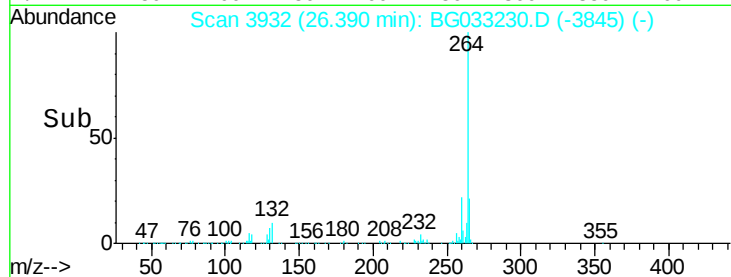
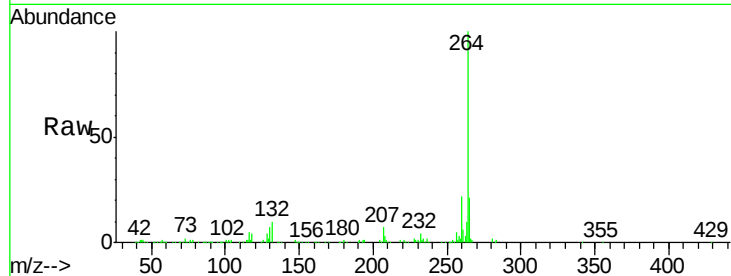
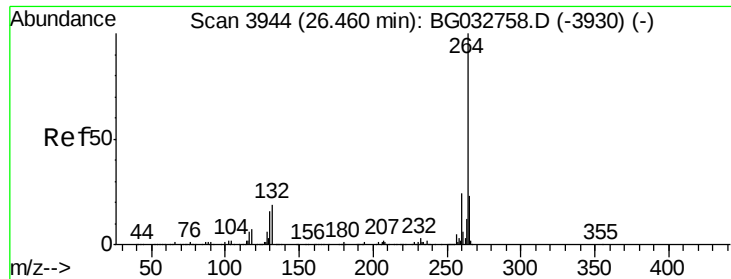


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.39 min Scan# 3932

Delta R.T. -0.02 min

Lab File: BG033230.D

Acq: 17 Mar 2018 12:30

Instrument :

BNA_G

ClientSampleId :

PB107416TB

Tot Ion:264 Resp: 346053

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.9 17.7 26.5

