

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032821.D
 Acq On : 26 Feb 2018 14:38
 Operator : SJ/JU
 Sample : J1688-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 26 17:36:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:33:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	72163	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	311068	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	173809	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	411111	20.00	ng	0.00
75) Chrysene-d12	22.63	240	408850	20.00	ng	0.00
86) Perylene-d12	26.44	264	435481	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	519889	115.26	ng	0.00
7) Phenol-d6	8.02	99	699483	111.26	ng	0.00
23) Nitrobenzene-d5	10.12	82	382611	85.31	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	235528	128.88	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	860728	71.42	ng	0.00
78) Terphenyl-d14	20.79	244	1304533	71.69	ng	0.00

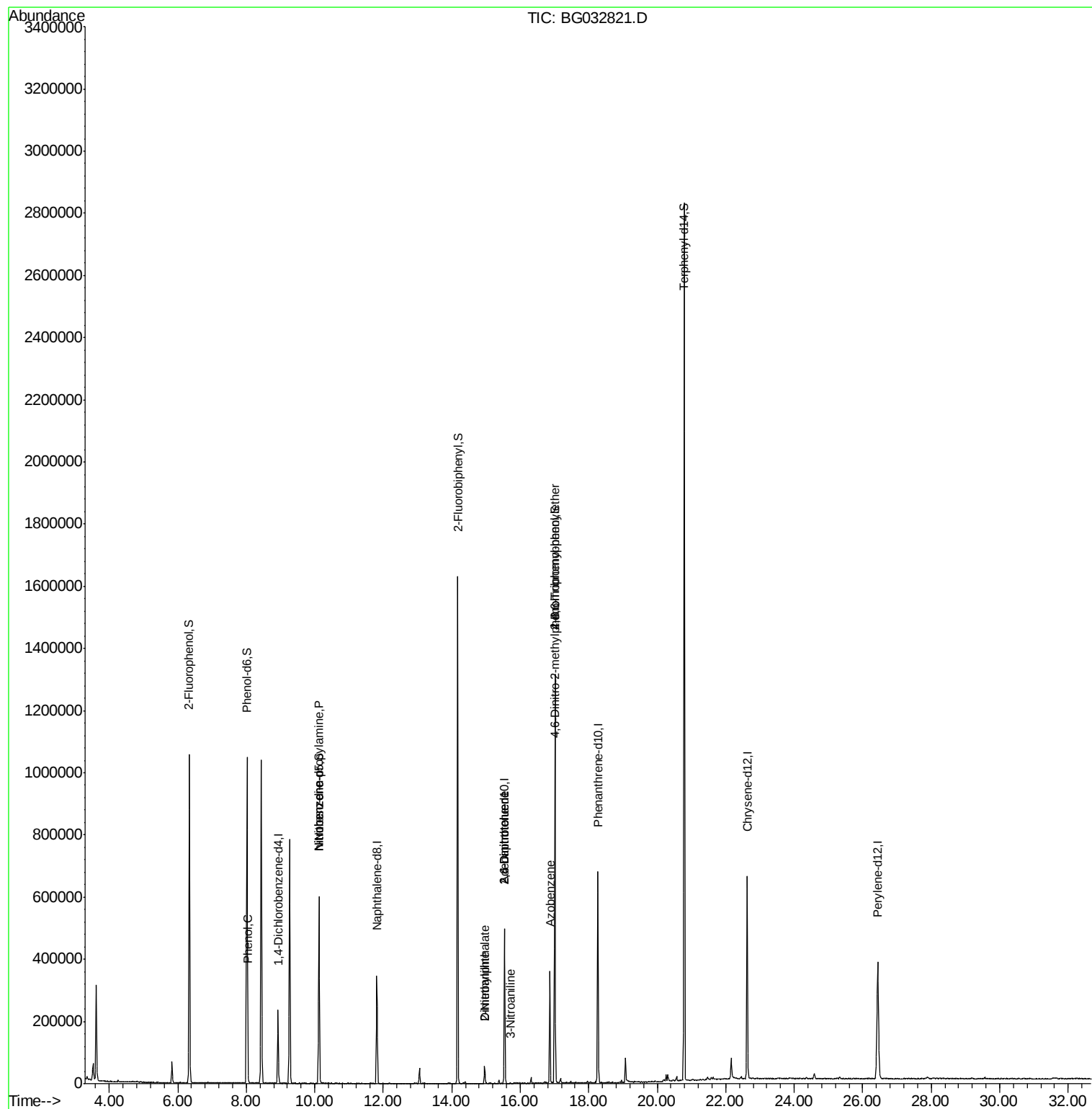
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	8.05	94	15523	2.449	ng	92
19) n-Nitroso-di-n-propylamine	10.12	70	49438	11.138	ng	# 81
24) Nitrobenzene	10.12	77	1169	6.585	ng	# 36
47) 2-Nitroaniline	14.95	65	221	9.897	ng	# 1
49) Dimethylphthalate	14.96	163	39082	2.648	ng	97
50) 2,6-Dinitrotoluene	15.54	165	22258	16.321	ng	# 20
52) 3-Nitroaniline	15.71	138	74	7.564	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	22258	14.519	ng	# 18
62) Azobenzene	16.86	77	107881	7.747	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.02	198	1015	5.996	ng	95
66) 4-Bromophenyl-phenylether	17.01	248	17464	4.017	ng	# 1

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

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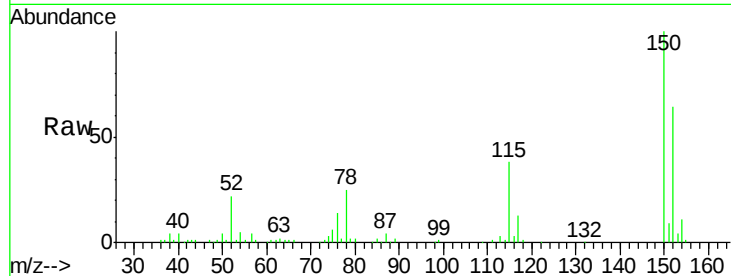


#1

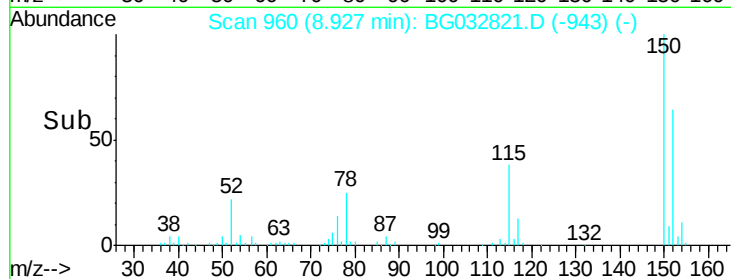
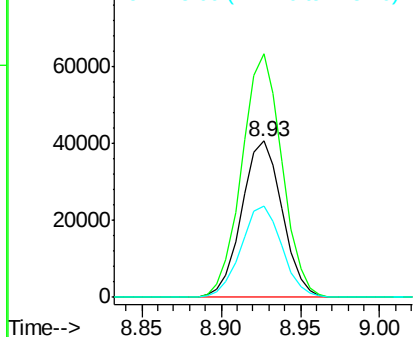
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032821.D
Acq: 26 Feb 2018 14:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 72163
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 58.8 53.0 79.4



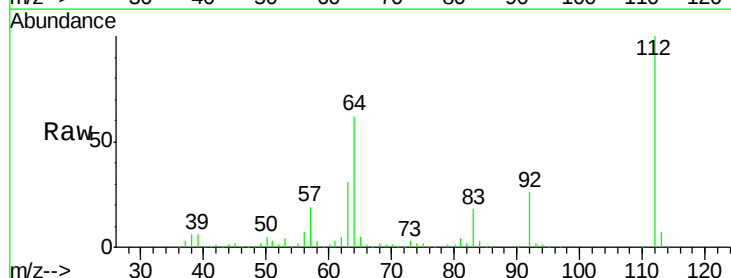
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



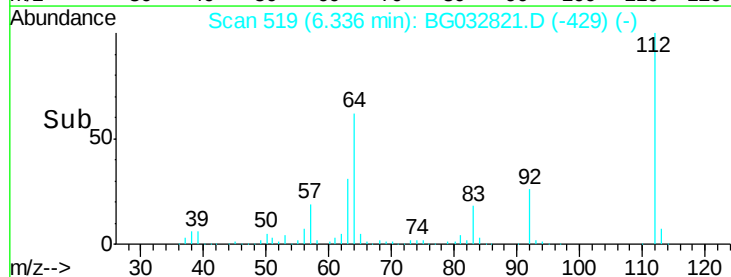
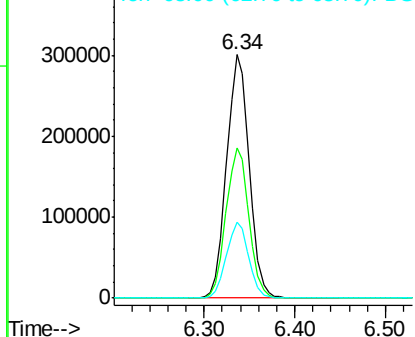
#5

2-Fluorophenol
Concen: 115.259 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032821.D
Acq: 26 Feb 2018 14:38

Tgt Ion:112 Resp: 519889
Ion Ratio Lower Upper
112 100
64 61.5 56.3 84.5
63 31.1 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: 111.256 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.01 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Instrument :

BNA_G

ClientSampled :

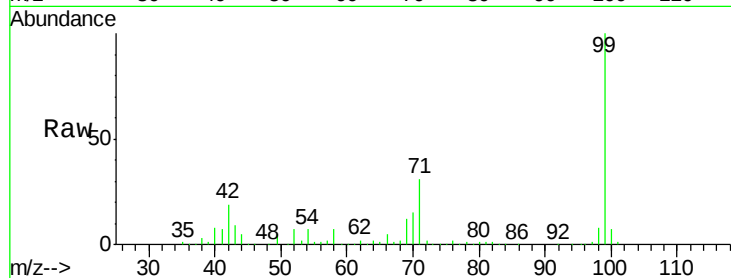
Tot Ion: 99 Resp: 699483

Ion Ratio Lower Upper

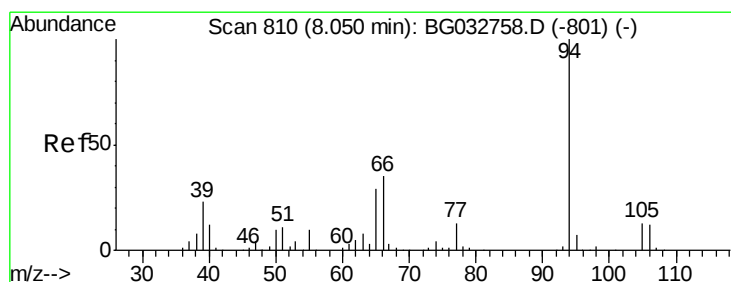
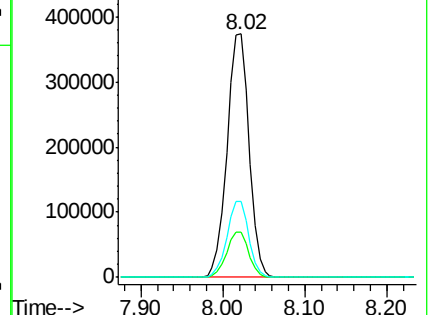
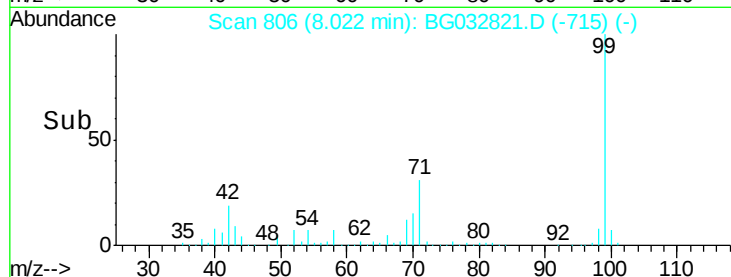
99 100

42 18.7 14.1 21.1

71 31.1 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



#10

Phenol

Concen: 2.449 ng

RT: 8.05 min Scan# 810

Delta R.T. 0.00 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

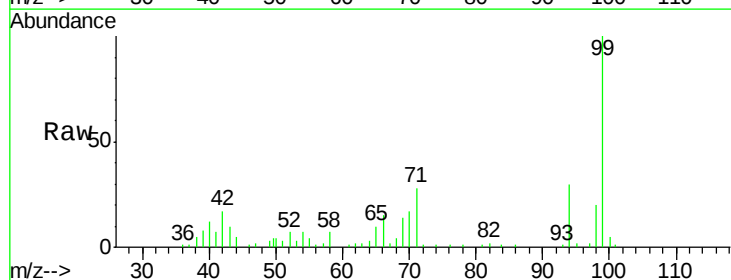
Tgt Ion: 94 Resp: 15523

Ion Ratio Lower Upper

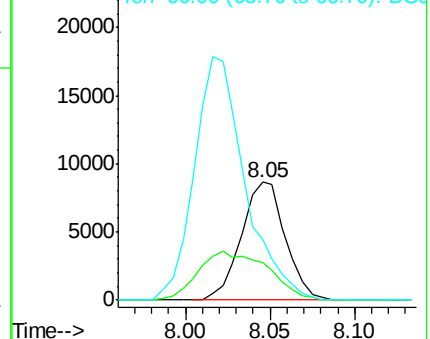
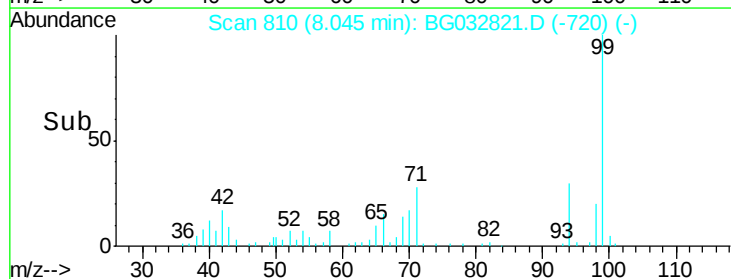
94 100

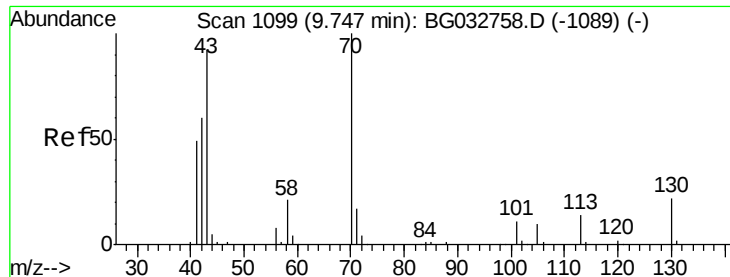
65 32.0 11.9 51.9

66 51.5 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

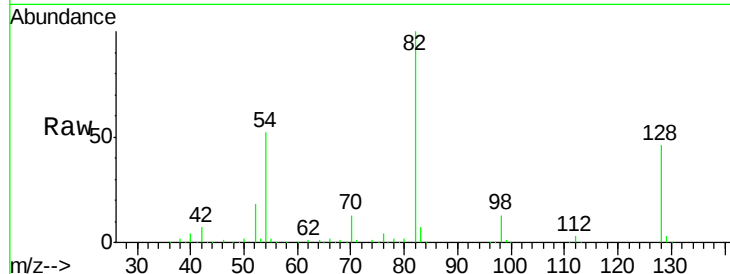




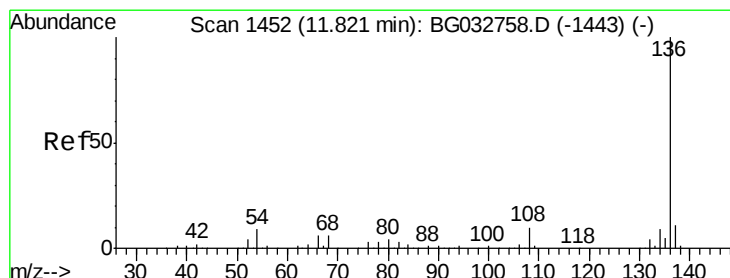
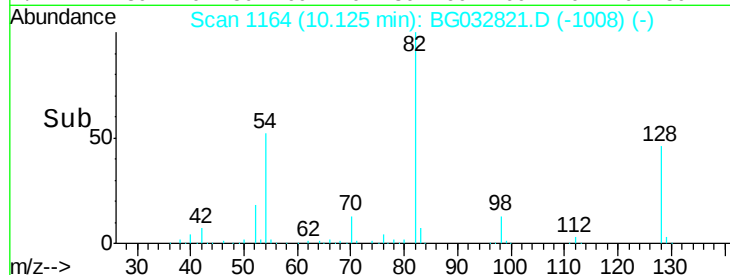
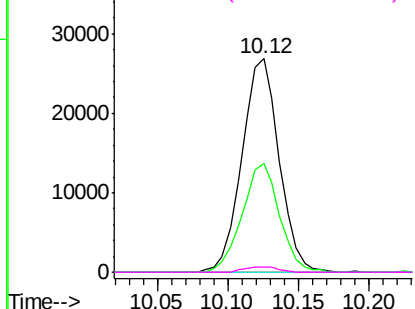
#19
n-Nitroso-di-n-propylamine
Concen: 11.138 ng
RT: 10.12 min Scan# 1164
Delta R.T. 0.39 min
Lab File: BG032821.D
Acq: 26 Feb 2018 14:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 49438
Ion Ratio Lower Upper
70 100
42 50.7 49.1 73.7
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#

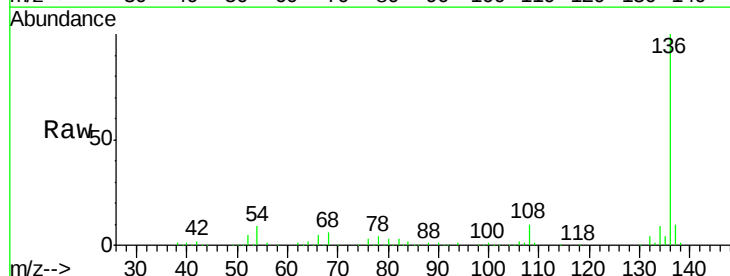


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

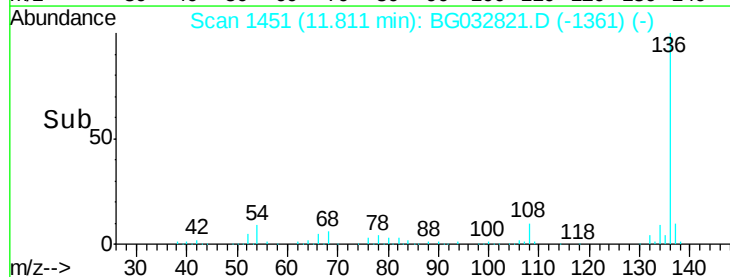
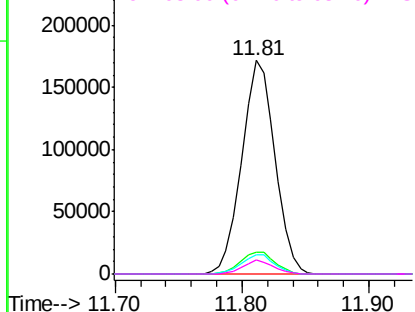


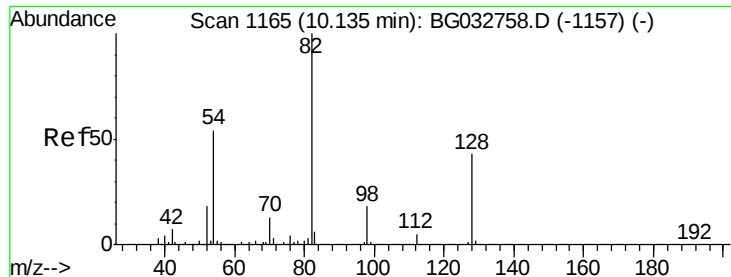
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BG032821.D
Acq: 26 Feb 2018 14:38

Tgt Ion: 136 Resp: 311068
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 9.0 10.3 15.5#
68 6.4 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

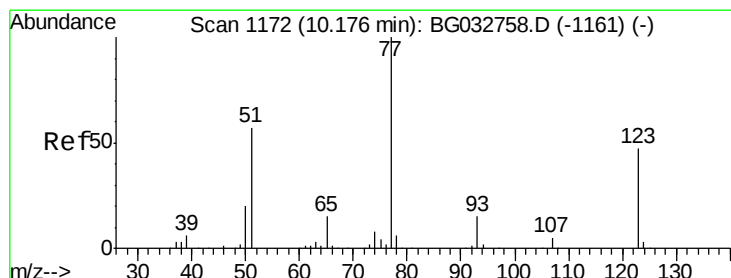
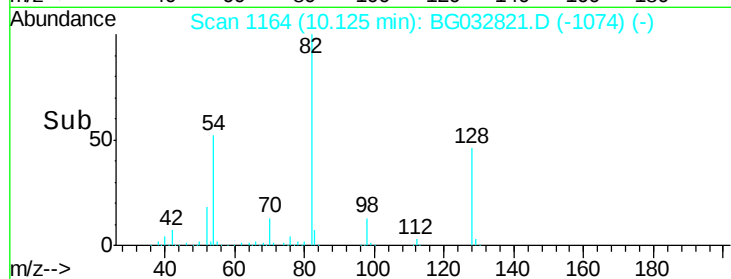
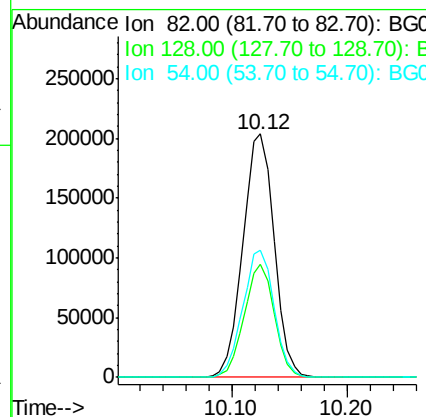
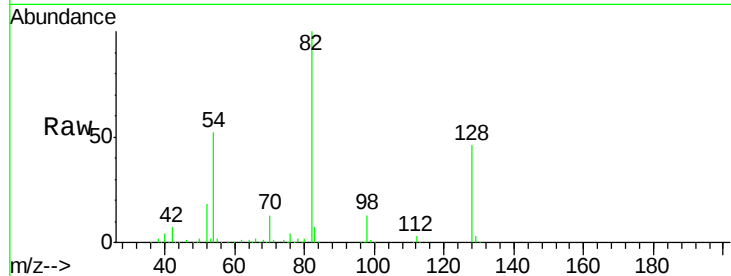




#23
 Nitrobenzene-d5
 Concen: 85.314 ng
 RT: 10.12 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032821.D
 Acq: 26 Feb 2018 14:38

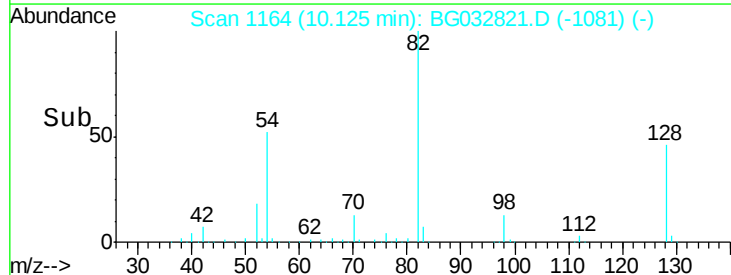
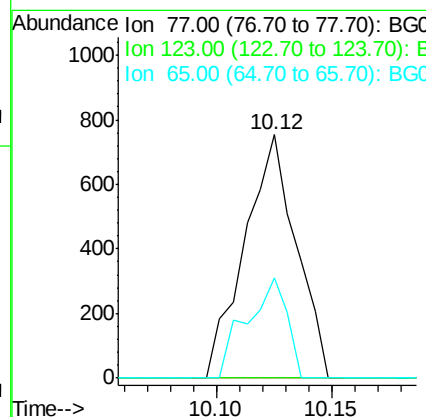
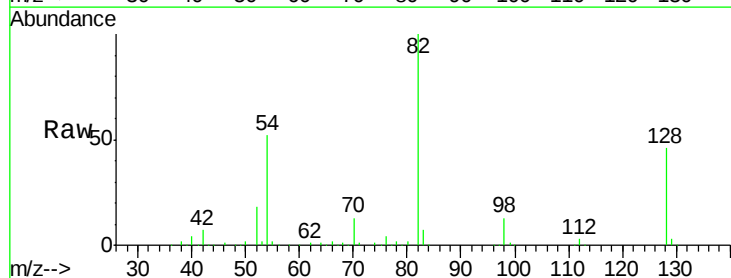
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 382611
 Ion Ratio Lower Upper
 82 100
 128 46.2 29.7 44.5#
 54 52.1 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.585 ng
 RT: 10.12 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032821.D
 Acq: 26 Feb 2018 14:38

Tgt Ion: 77 Resp: 1169
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 41.0 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Instrument :

BNA_G

ClientSampleId :

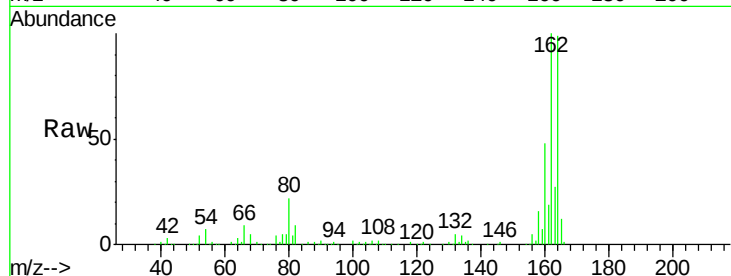
Tot Ion:164 Resp: 173809

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

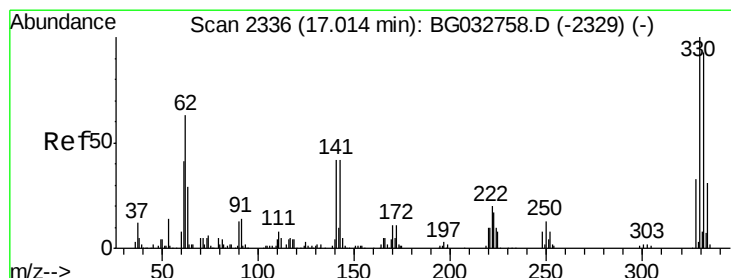
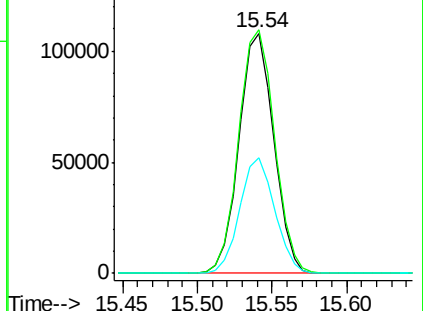
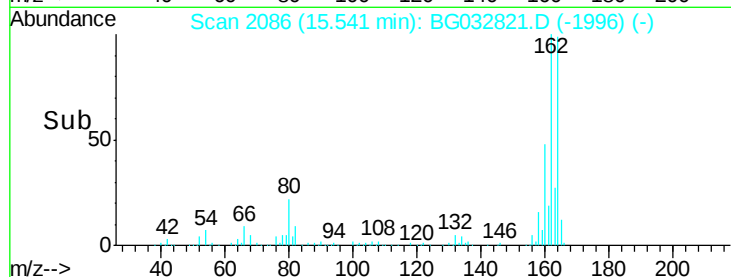
160 48.3 35.4 53.0



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: 128.877 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

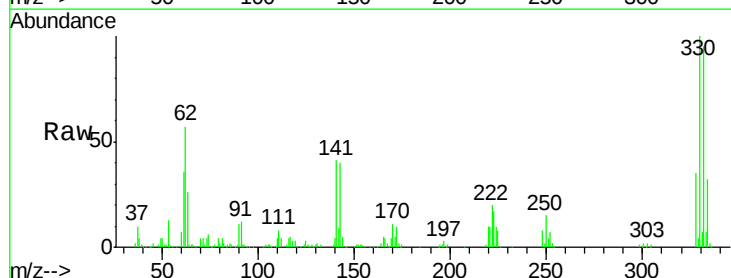
Tgt Ion:330 Resp: 235528

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

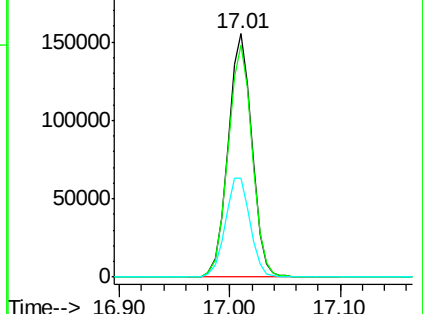
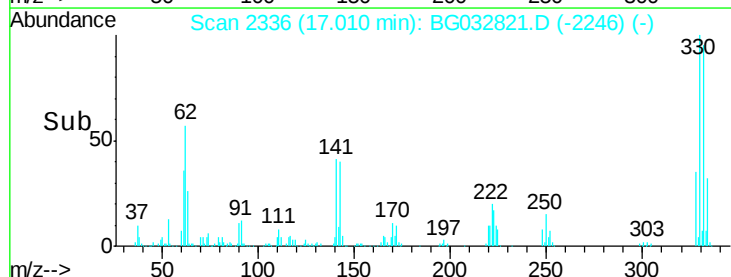
141 42.3 25.2 37.8#

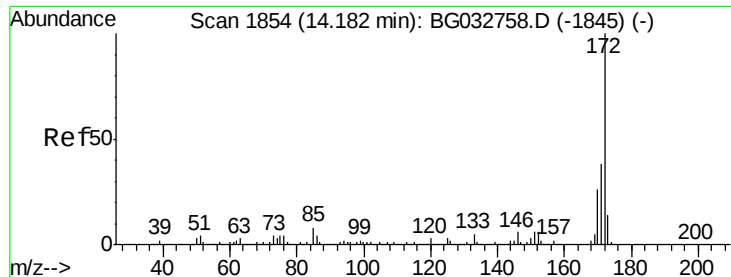


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

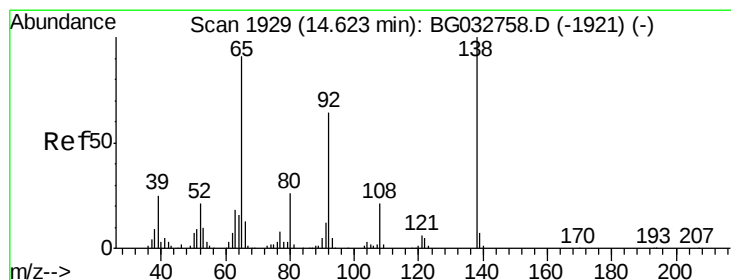
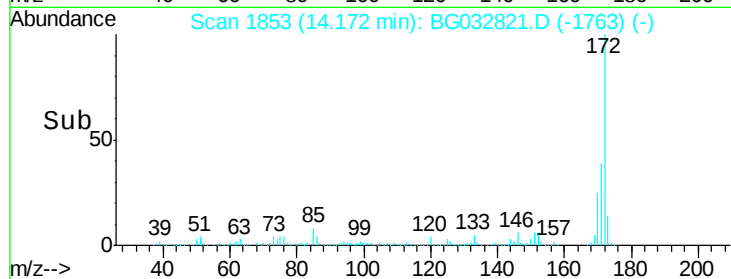
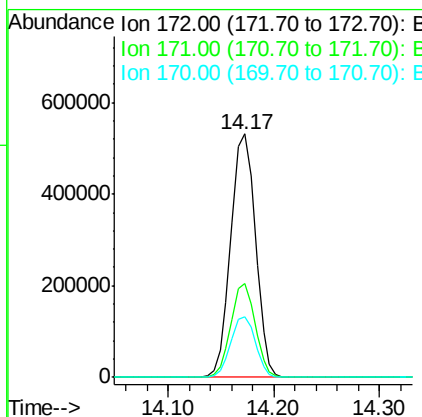
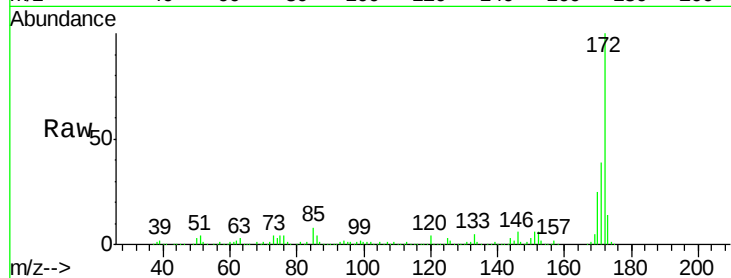




#44
 2-Fluorobiphenyl
 Concen: 71.422 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BG032821.D
 Acq: 26 Feb 2018 14:38

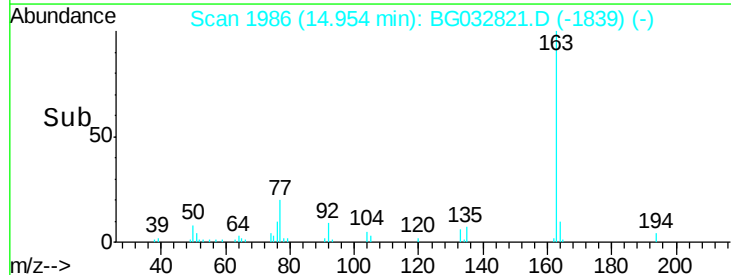
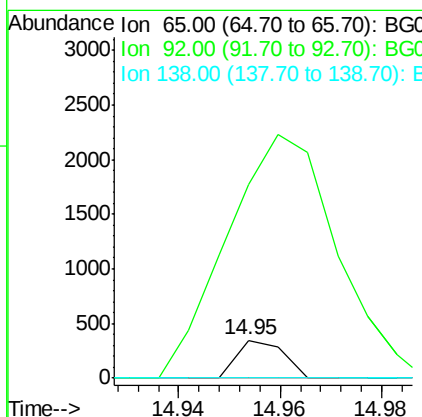
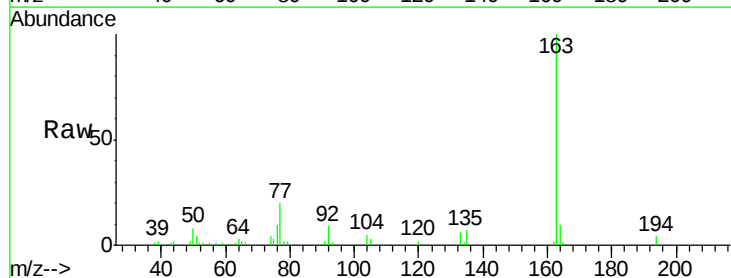
Instrument :
 BNA_G
 ClientSampleId :

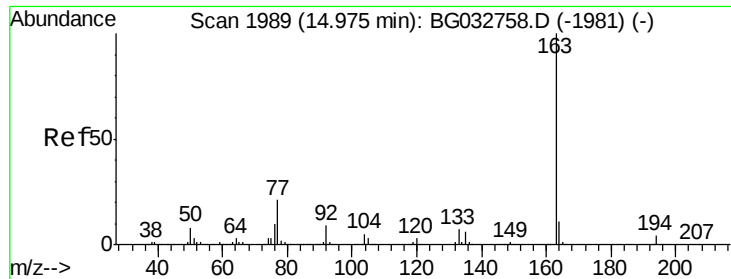
Tot Ion:172 Resp: 860728
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 25.1 19.5 29.3



#47
 2-Nitroaniline
 Concen: 9.897 ng
 RT: 14.95 min Scan# 1986
 Delta R.T. 0.33 min
 Lab File: BG032821.D
 Acq: 26 Feb 2018 14:38

Tgt Ion: 65 Resp: 221
 Ion Ratio Lower Upper
 65 100
 92 512.7 54.6 82.0#
 138 0.0 72.9 109.3#





#49

Dimethylphthalate

Concen: 2.648 ng

RT: 14.96 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Instrument :

BNA_G

ClientSampleId :

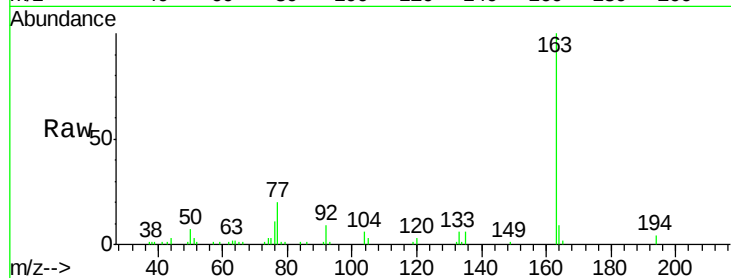
Tot Ion:163 Resp: 39082

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

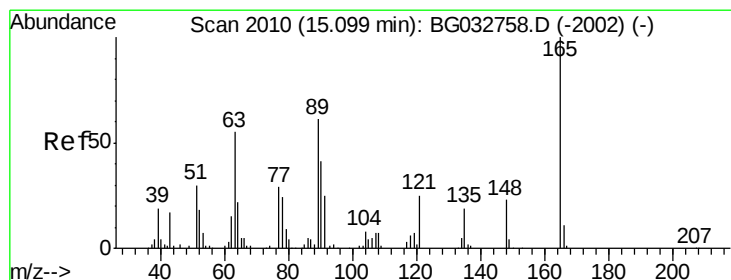
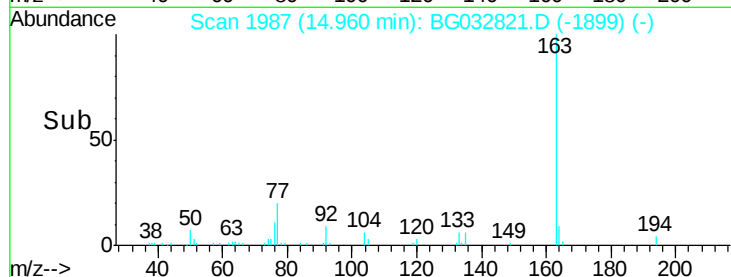
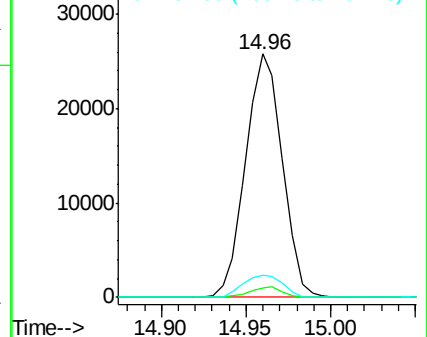
164 9.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 16.321 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

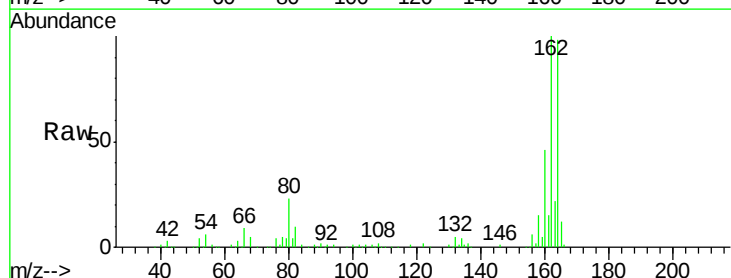
Tgt Ion:165 Resp: 22258

Ion Ratio Lower Upper

165 100

63 1.6 52.7 79.1#

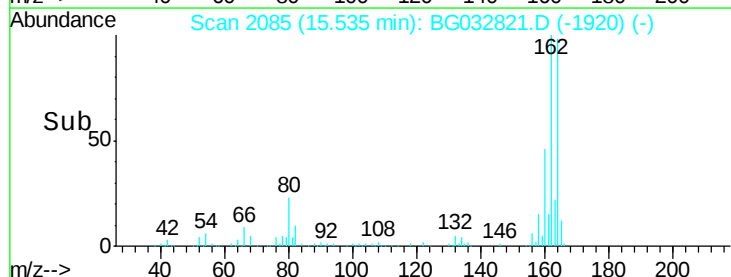
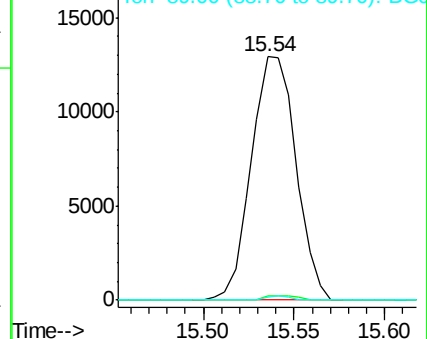
89 1.3 49.2 73.8#

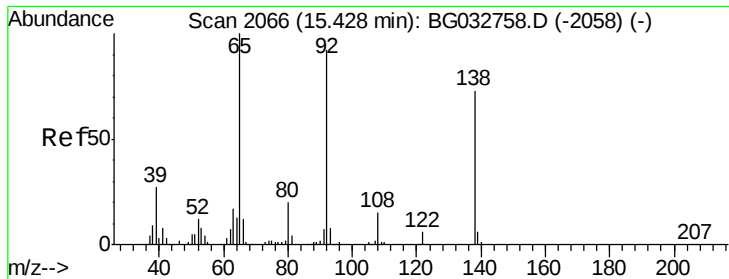


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

3-Nitroaniline

Concen: 7.564 ng

RT: 15.71 min Scan# 2115

Delta R.T. 0.29 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Instrument :

BNA_G

ClientSampleId :

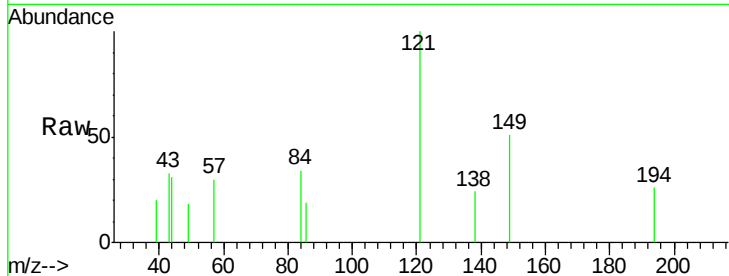
Tot Ion:138 Resp: 74

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

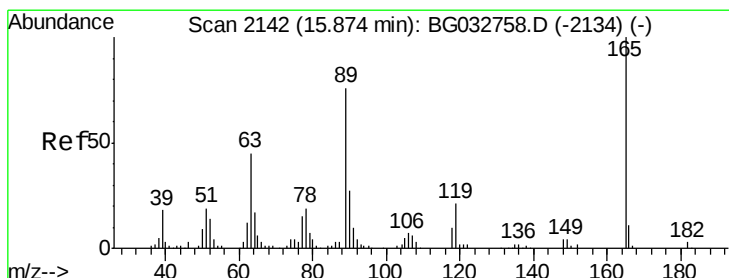
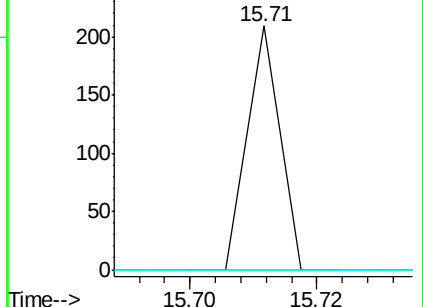
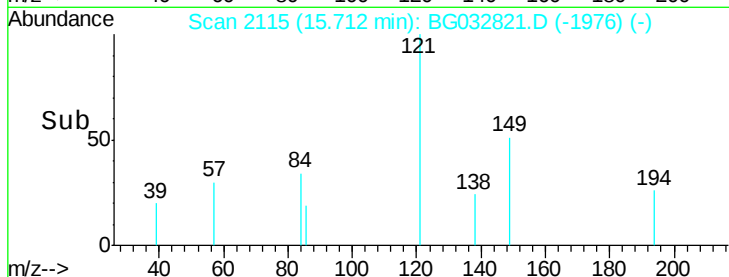
92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.519 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Tgt Ion:165 Resp: 22258

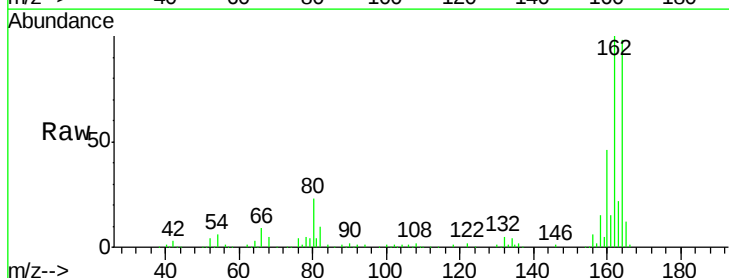
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 1.3 66.9 100.3#

182 0.0 2.6 3.8#

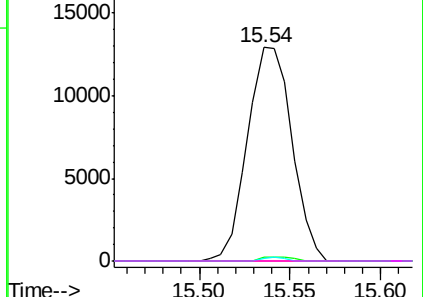
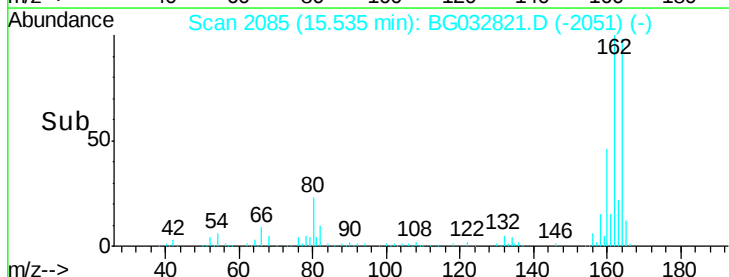


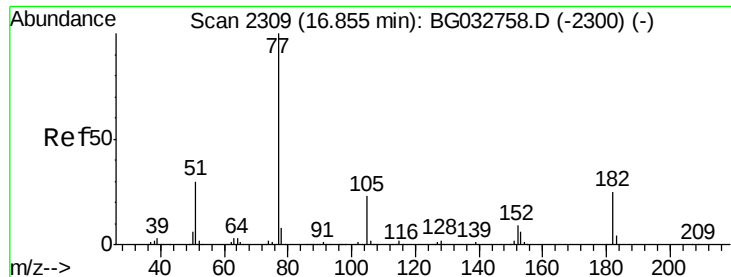
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 7.747 ng

RT: 16.86 min Scan# 2311

Delta R.T. 0.02 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 107881

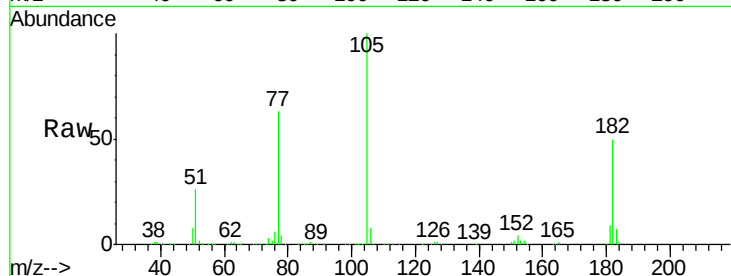
Ion Ratio Lower Upper

77 100

182 78.6 7.4 47.4#

105 158.4 0.3 40.3#

51 40.6 11.6 51.6

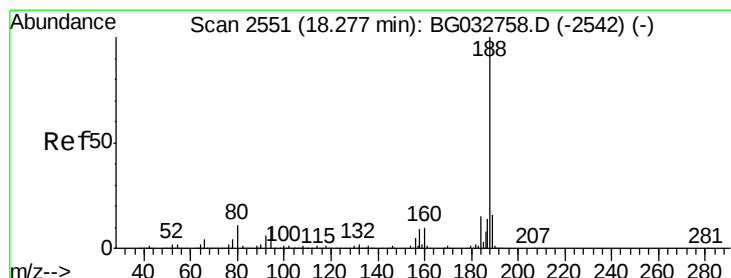
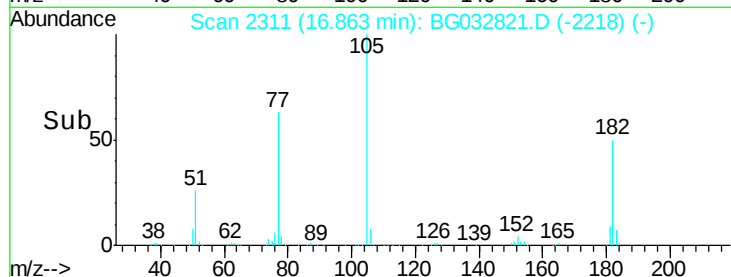
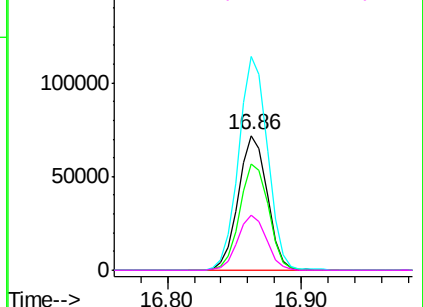


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.27 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

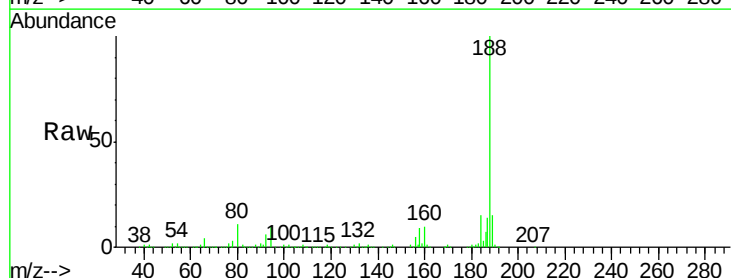
Tgt Ion: 188 Resp: 411111

Ion Ratio Lower Upper

188 100

94 10.2 6.9 10.3

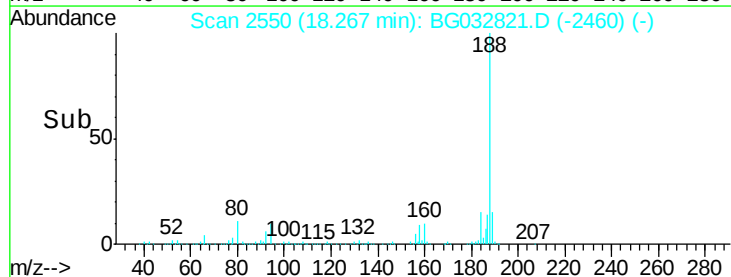
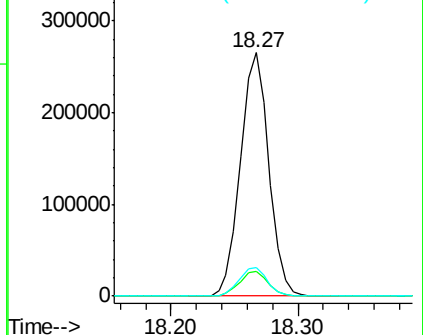
80 11.5 7.7 11.5

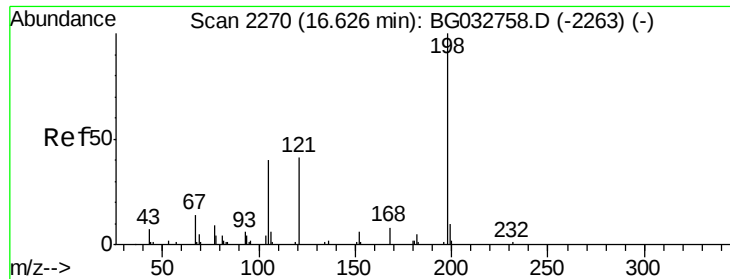


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 5.996 ng

RT: 17.02 min Scan# 2338

Delta R.T. 0.40 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Instrument :

BNA_G

ClientSampled :

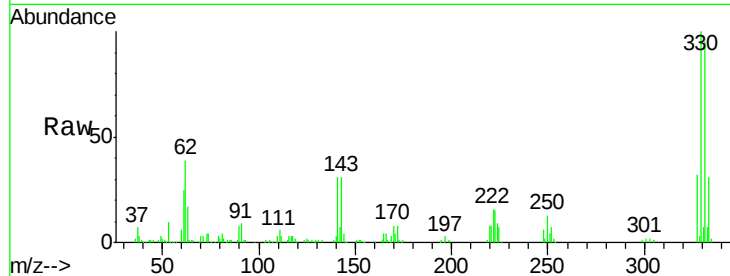
Tot Ion:198 Resp: 1015

Ion Ratio Lower Upper

198 100

51 54.0 30.6 70.6

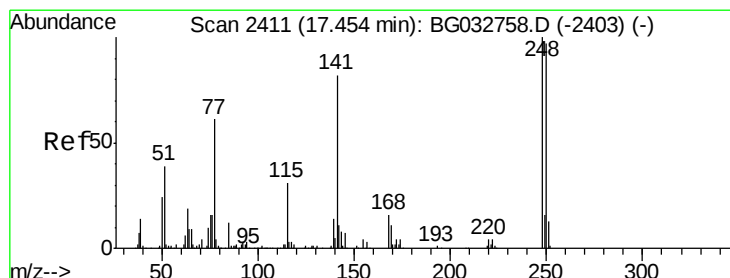
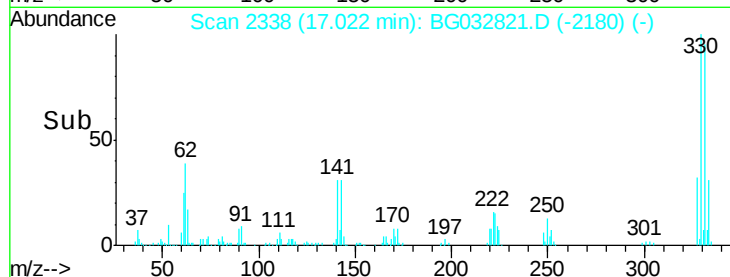
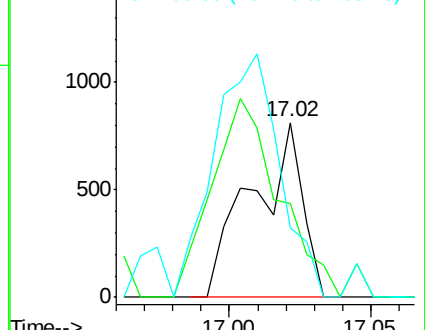
105 40.1 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.017 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.43 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

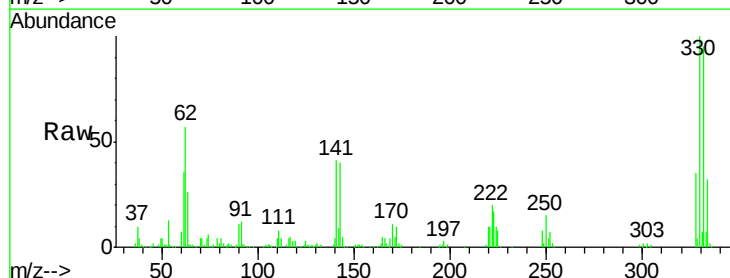
Tgt Ion:248 Resp: 17464

Ion Ratio Lower Upper

248 100

250 198.6 77.1 115.7#

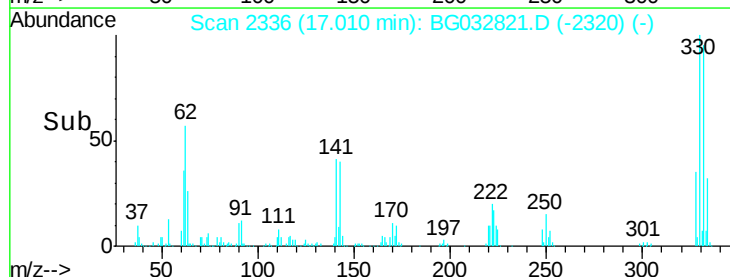
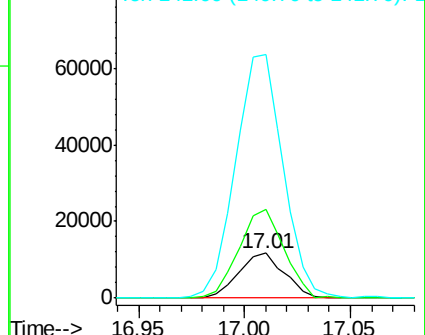
141 542.0 50.8 76.2#

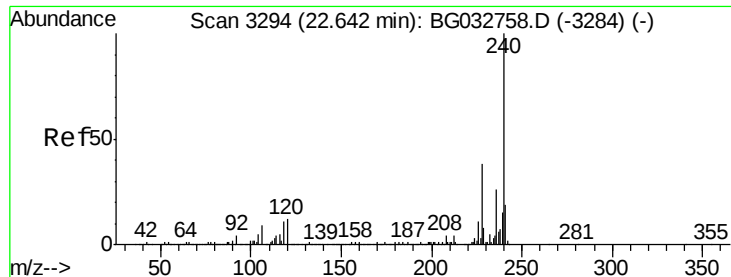


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.63 min Scan# 3292

Delta R.T. -0.01 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

Instrument :

BNA_G

ClientSampled :

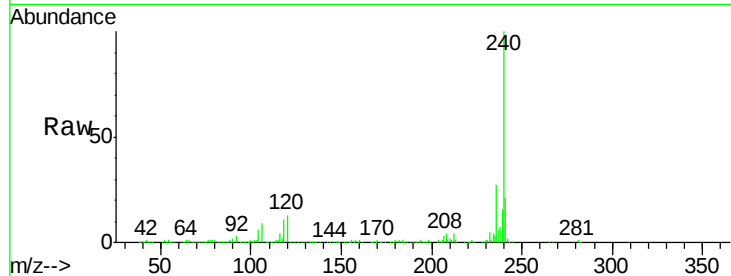
Tot Ion:240 Resp: 408850

Ion Ratio Lower Upper

240 100

120 12.8 6.8 10.2#

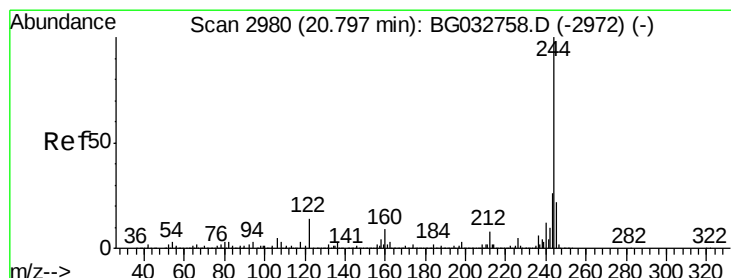
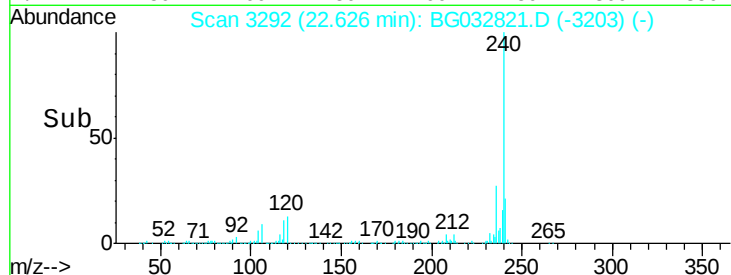
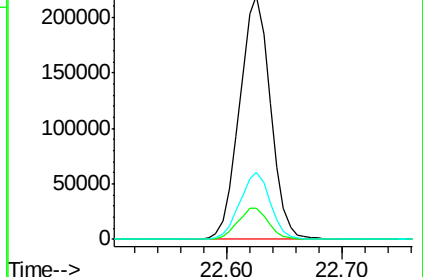
236 27.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 71.687 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.00 min

Lab File: BG032821.D

Acq: 26 Feb 2018 14:38

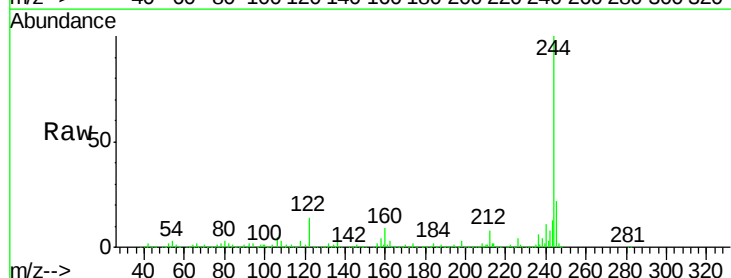
Tgt Ion:244 Resp: 1304533

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

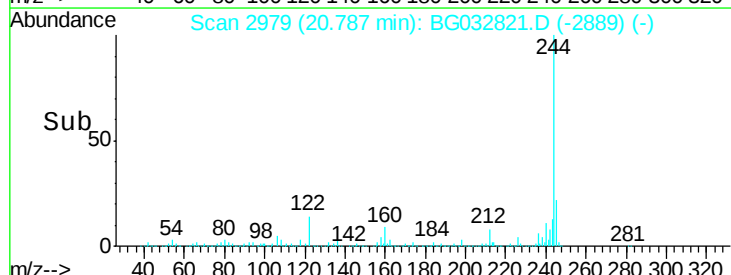
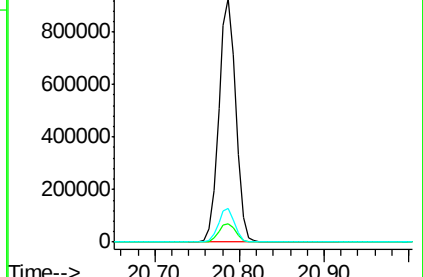
122 13.6 7.0 10.4#

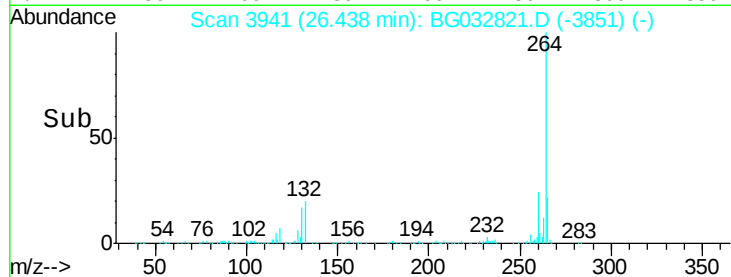
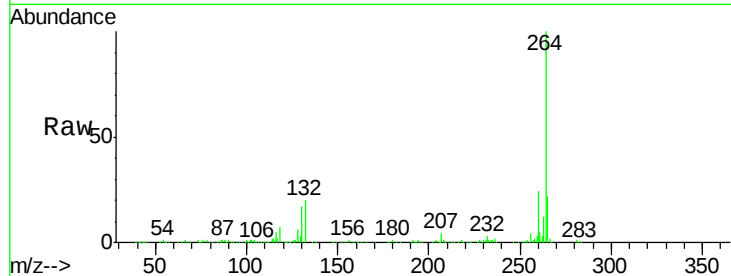
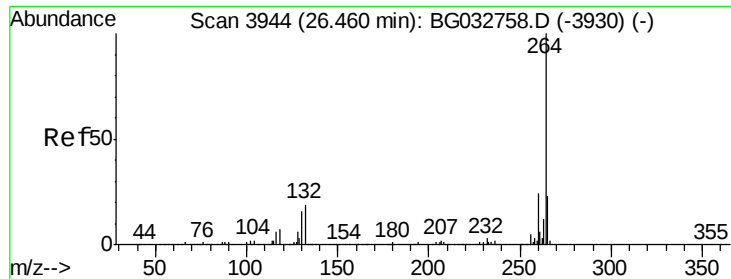


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.44 min Scan# 3941
 Delta R.T. 0.00 min
 Lab File: BG032821.D
 Acq: 26 Feb 2018 14:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.9	17.7	26.5

