

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032859.D
 Acq On : 27 Feb 2018 17:55
 Operator : SJ/JU
 Sample : J1688-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 02:38:16 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 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	69741	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	304802	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	173660	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	396134	20.00	ng	0.00
75) Chrysene-d12	22.62	240	378316	20.00	ng	-0.01
86) Perylene-d12	26.43	264	388367	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	552848	126.82	ng	0.00
7) Phenol-d6	8.02	99	657408	108.20	ng	0.00
23) Nitrobenzene-d5	10.12	82	466186	103.67	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	252883	138.49	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1023617	85.01	ng	0.00
78) Terphenyl-d14	20.78	244	1580792	93.88	ng	0.00

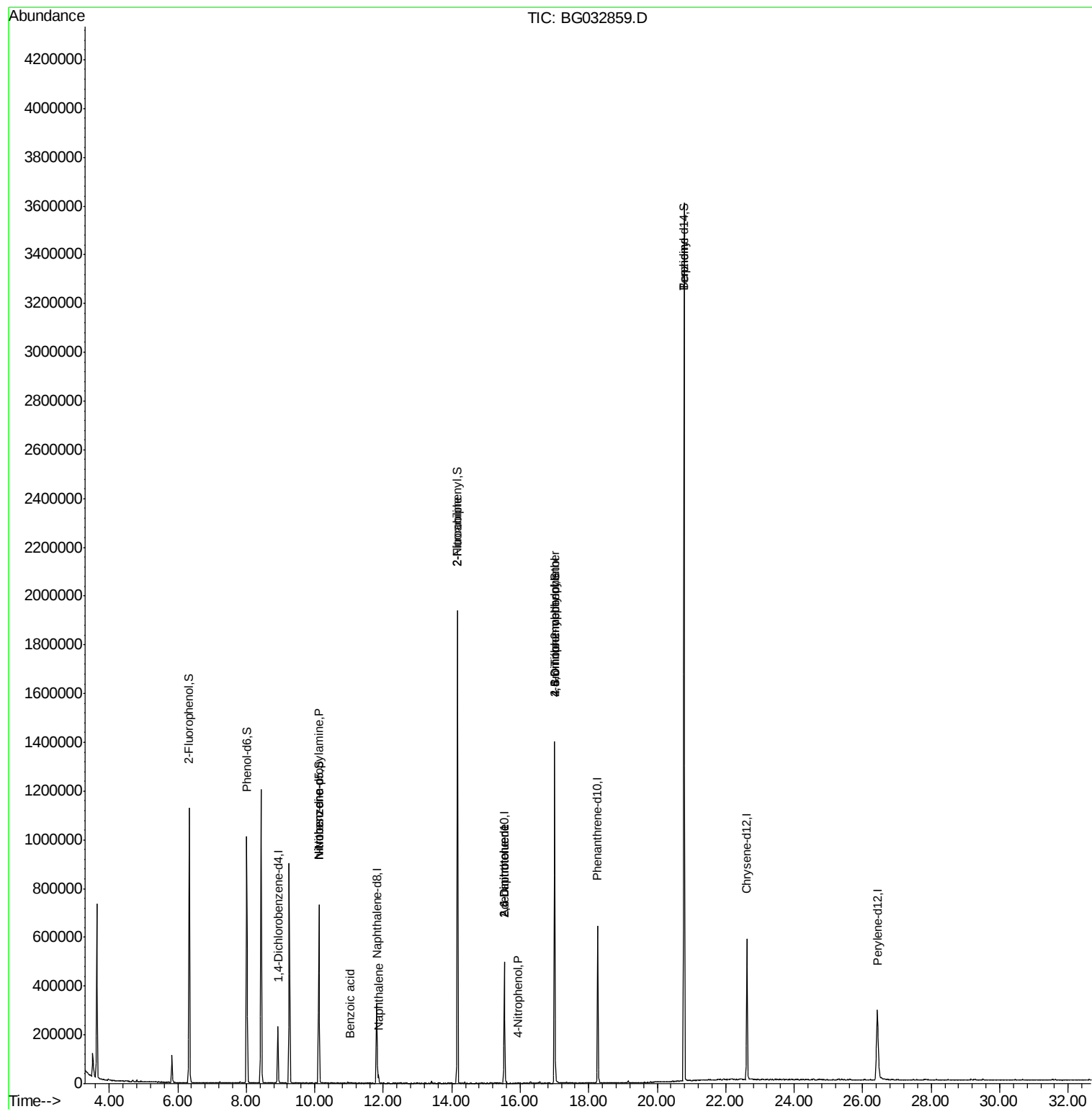
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	60019	13.99	ng	# 81
24) Nitrobenzene	10.13	77	1262	6.61	ng	# 38
31) Naphthalene	11.86	128	33065	2.08	ng	# 99
32) Benzoic acid	11.02	122	238	5.92	ng	# 86
47) 2-Nitroaniline	14.17	65	1875	10.36	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	22509	16.41	ng	# 19
55) 4-Nitrophenol	15.92	139	1454	7.63	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	22509	14.61	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	489	5.47	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17296	4.13	ng	# 1
76) Benzidine	20.78	184	27251	2.11	ng	# 91

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

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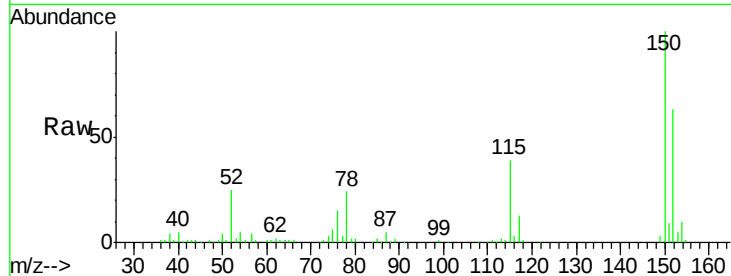


#1

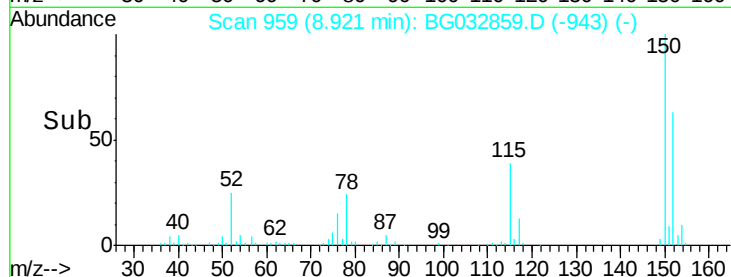
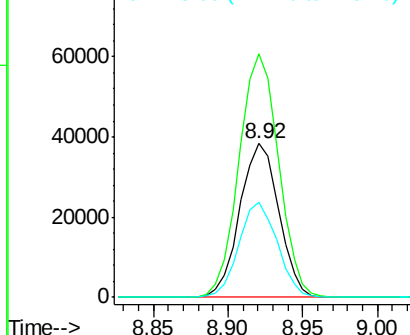
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 69741
Ion Ratio Lower Upper
152 100
150 158.2 126.6 189.8
115 62.0 53.0 79.4



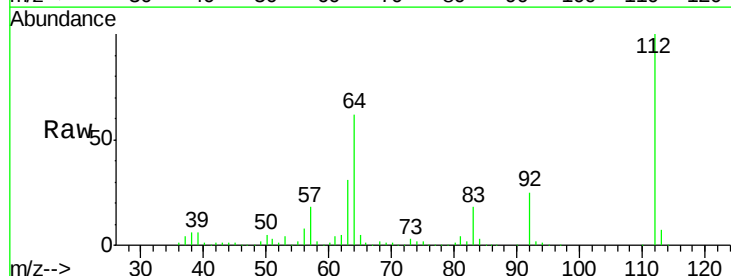
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



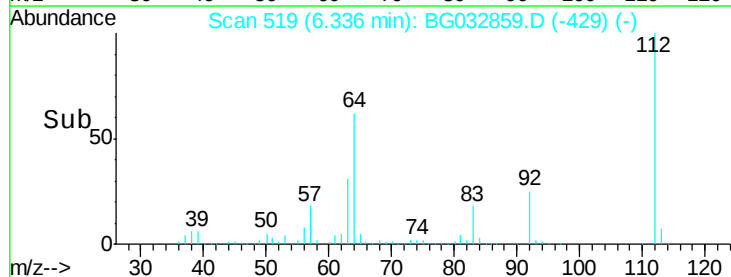
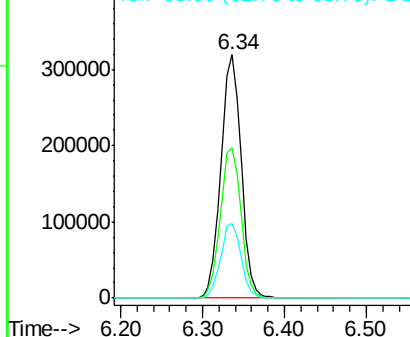
#5

2-Fluorophenol
Concen: 126.82 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Tgt Ion:112 Resp: 552848
Ion Ratio Lower Upper
112 100
64 61.5 56.3 84.5
63 30.8 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: 108.20 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

Instrument :

BNA_G

ClientSampled :

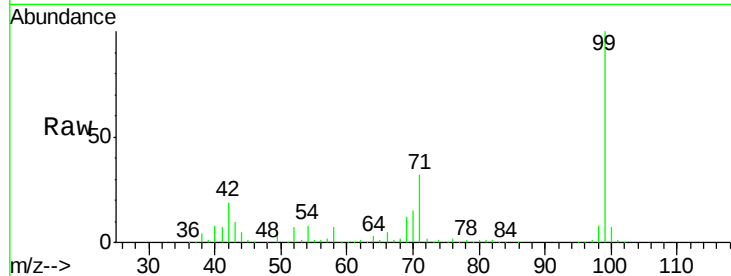
Tot Ion: 99 Resp: 657408

Ion Ratio Lower Upper

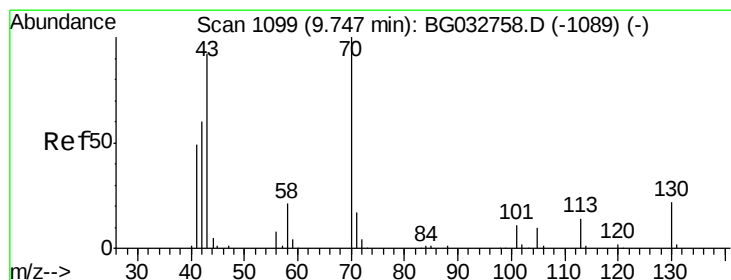
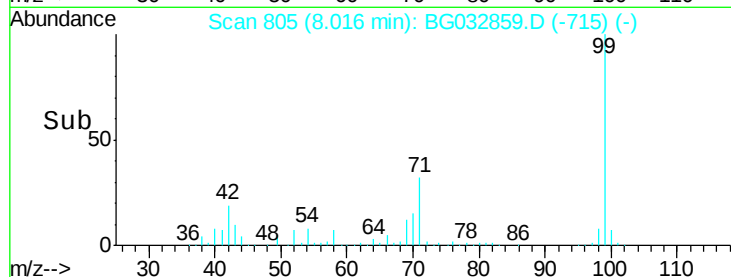
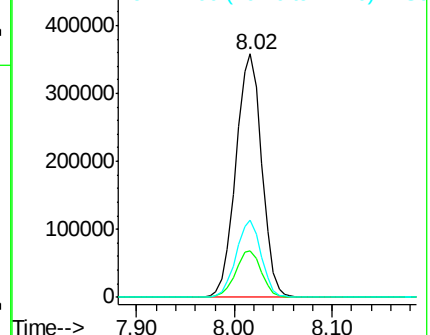
99 100

42 19.0 14.1 21.1

71 31.6 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.99 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

Tgt Ion: 70 Resp: 60019

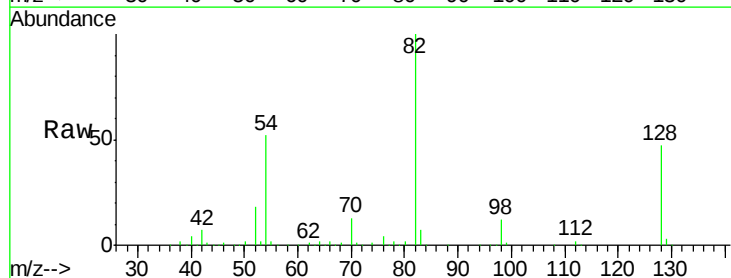
Ion Ratio Lower Upper

70 100

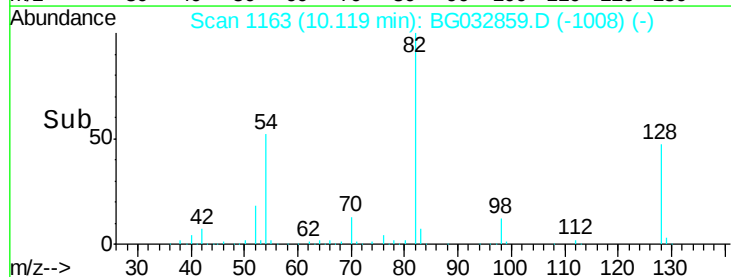
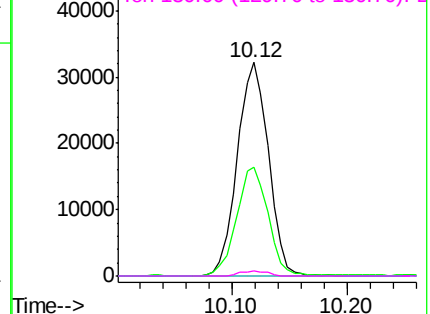
42 50.9 49.1 73.7

101 0.0 8.5 12.7#

130 2.3 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

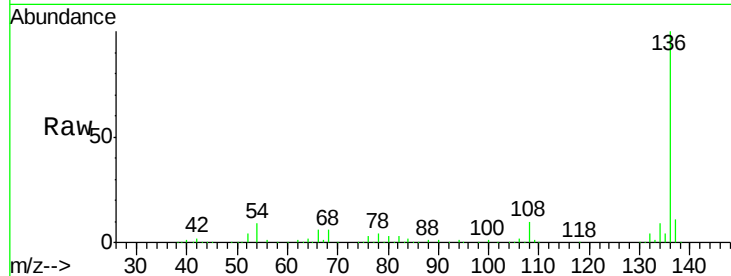




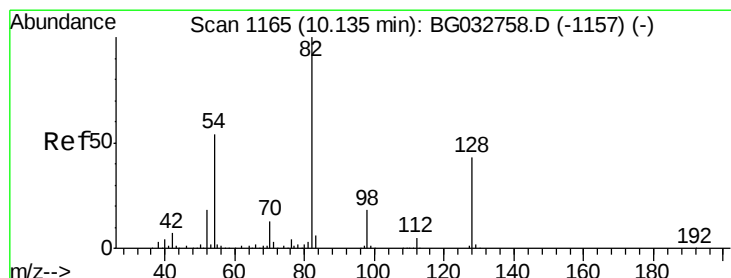
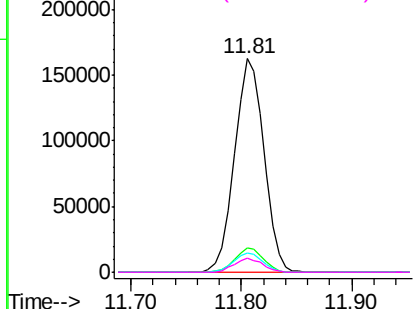
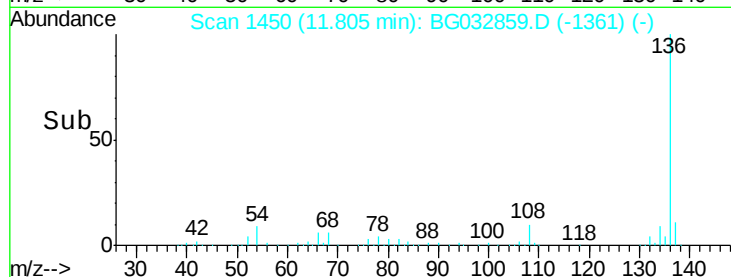
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	304802
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	9.1	10.3 15.5#
68	6.5	4.5 6.7

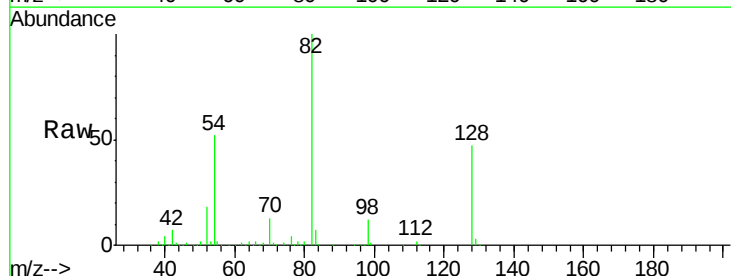


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

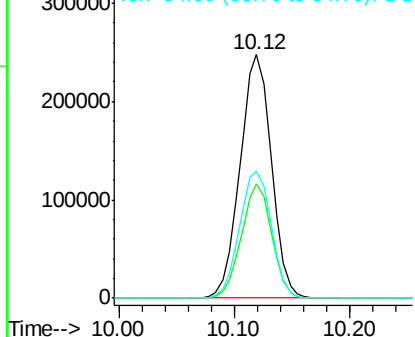
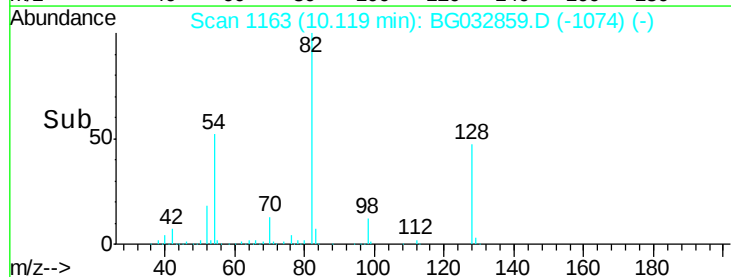


#23
Nitrobenzene-d5
Concen: 103.67 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Tgt Ion: 82	Resp:	466186
Ion Ratio	Lower	Upper
82	100	
128	46.7	29.7 44.5#
54	52.4	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

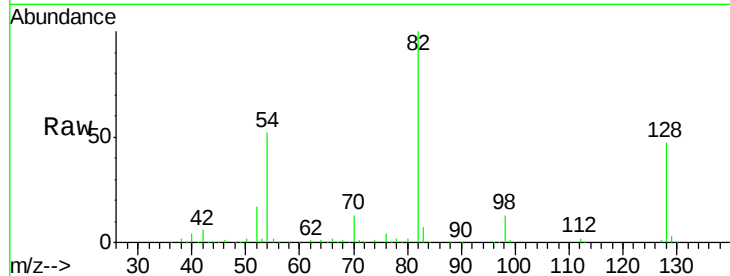




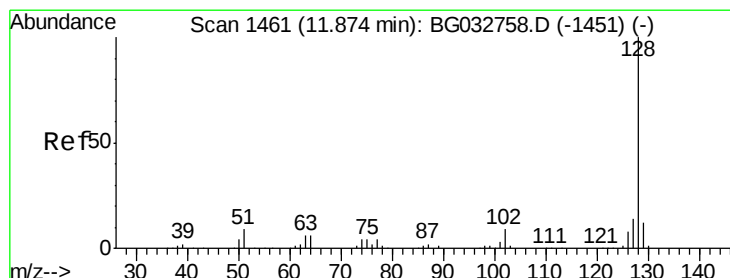
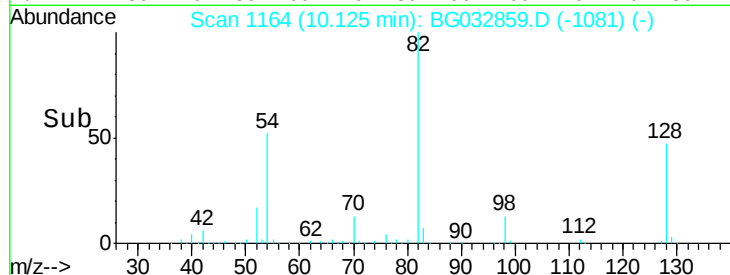
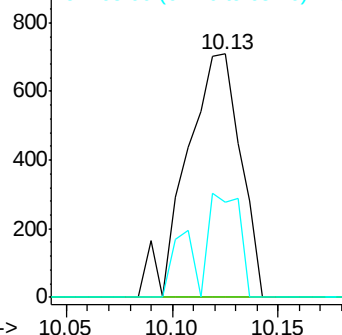
#24
Nitrobenzene
Concen: 6.61 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Instrument :
BNA_G
ClientSampled :

Tot Ion: 77 Resp: 1262
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 39.4 13.0 19.6#

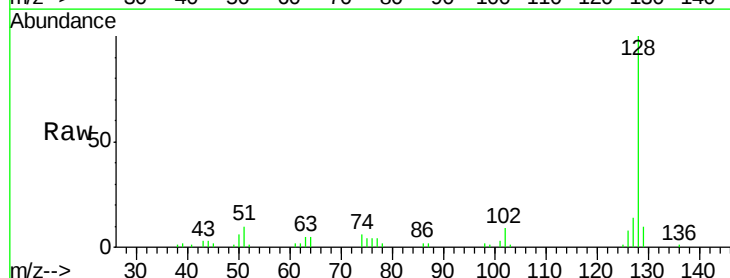


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

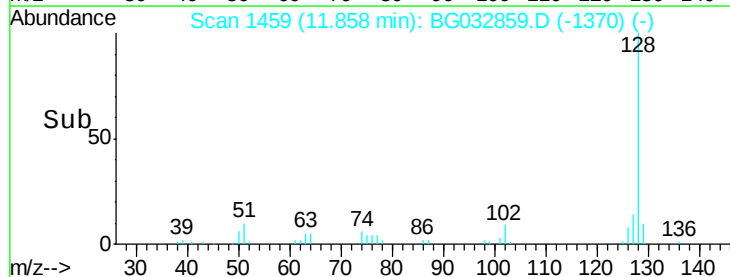
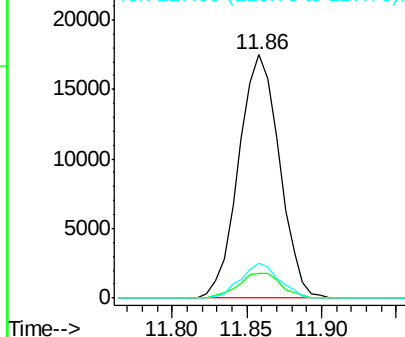


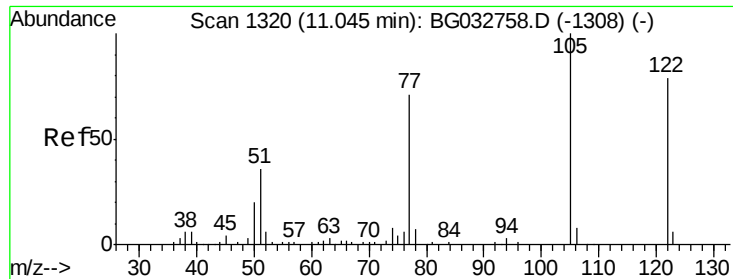
#31
Naphthalene
Concen: 2.08 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Tgt Ion: 128 Resp: 33065
Ion Ratio Lower Upper
128 100
129 10.2 8.6 12.8
127 14.5 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 5.92 ng

RT: 11.02 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

Instrument :

BNA_G

ClientSampleId :

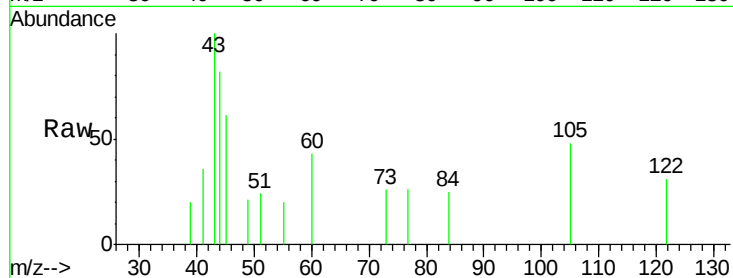
Tot Ion:122 Resp: 238

Ion Ratio Lower Upper

122 100

105 154.1 123.5 163.5

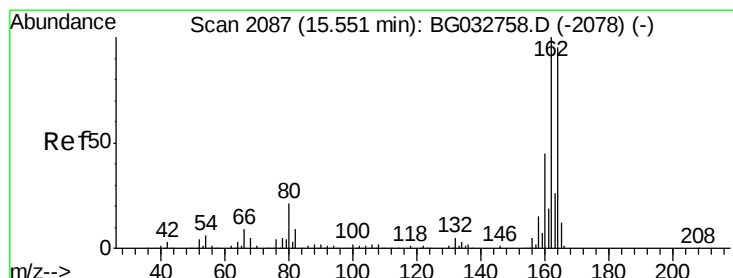
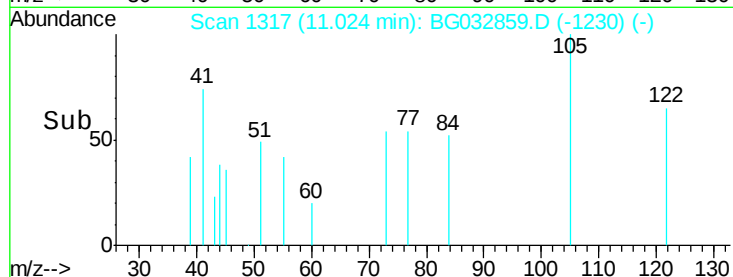
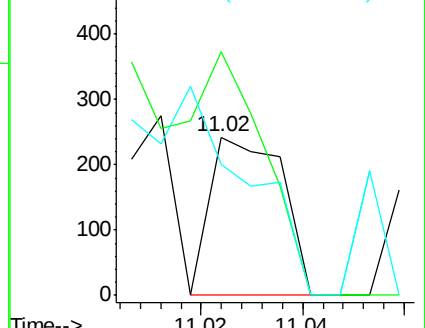
77 83.1 85.7 125.7#



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: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

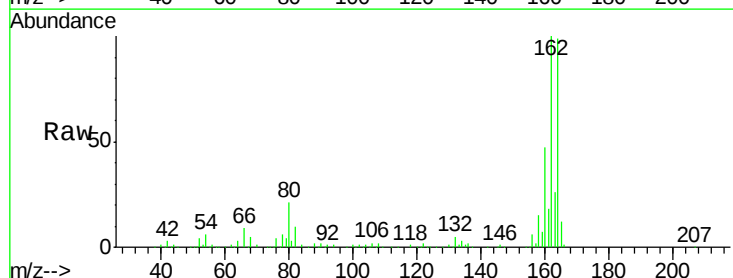
Tgt Ion:164 Resp: 173660

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

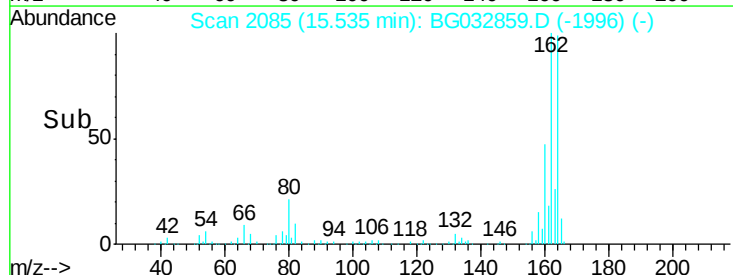
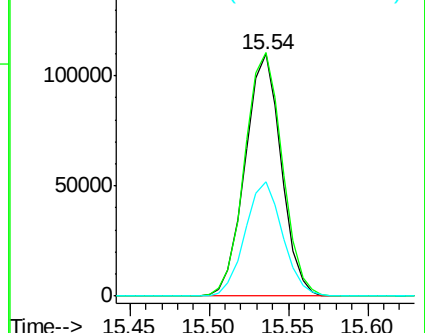
160 47.2 35.4 53.0

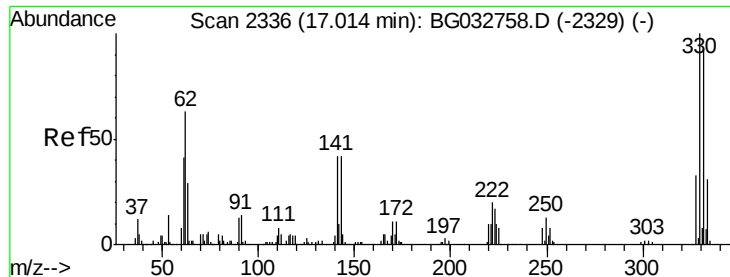


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 138.49 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

Instrument :

BNA_G

ClientSampleId :

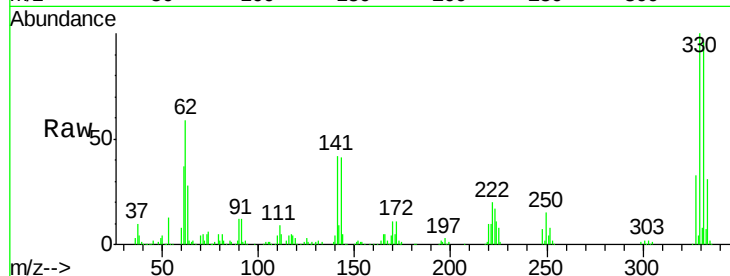
Tot Ion:330 Resp: 252883

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

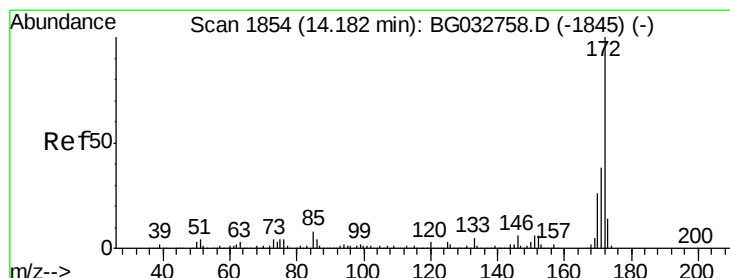
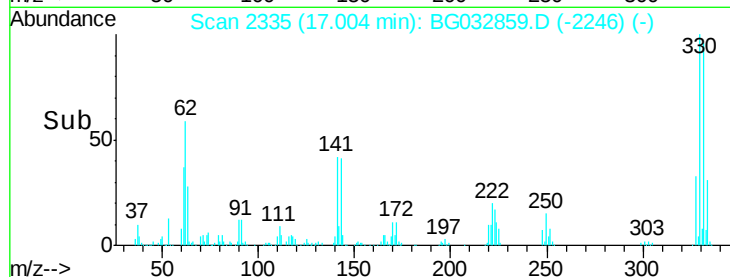
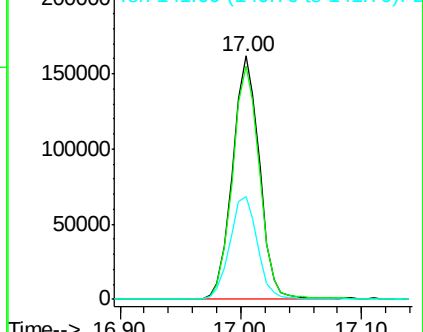
141 43.4 25.2 37.8#



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: 85.01 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

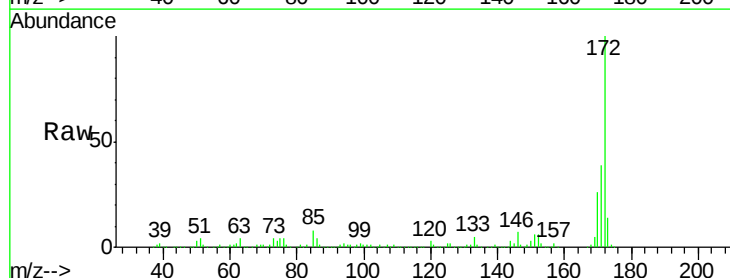
Tgt Ion:172 Resp: 1023617

Ion Ratio Lower Upper

172 100

171 38.7 30.0 45.0

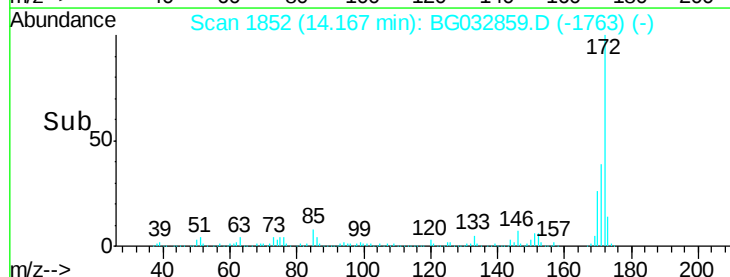
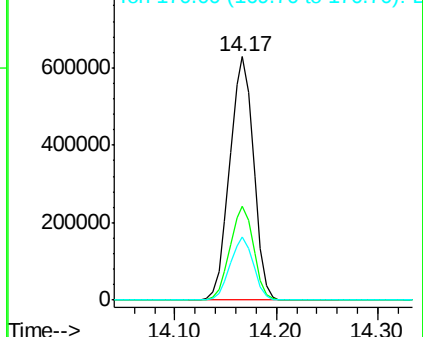
170 25.8 19.5 29.3

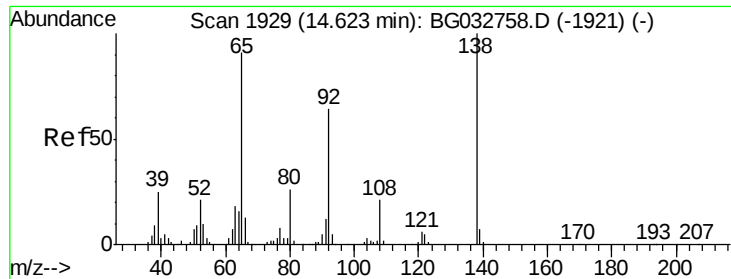


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

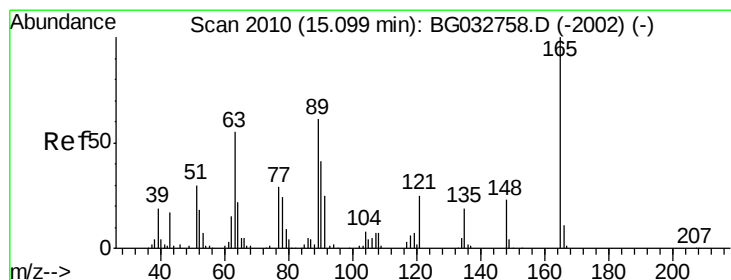
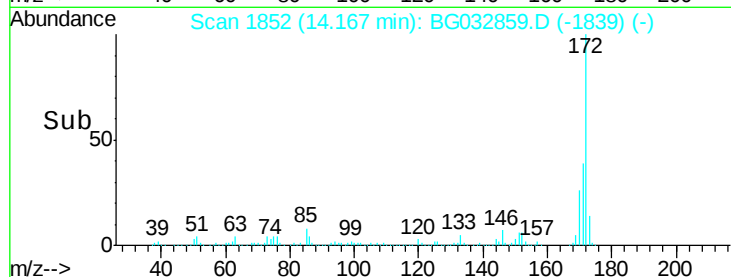
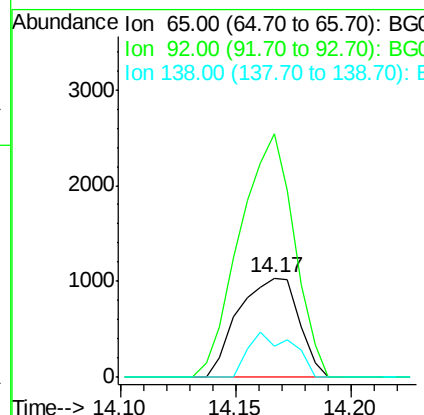
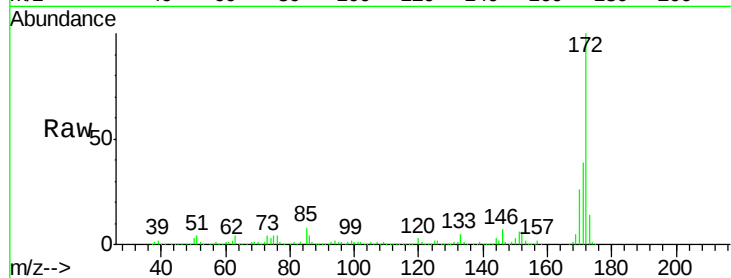




#47
2-Nitroaniline
Concen: 10.36 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

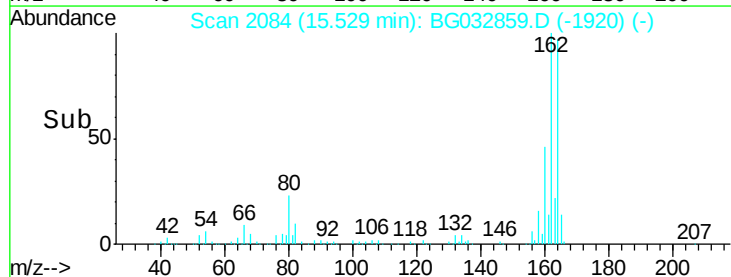
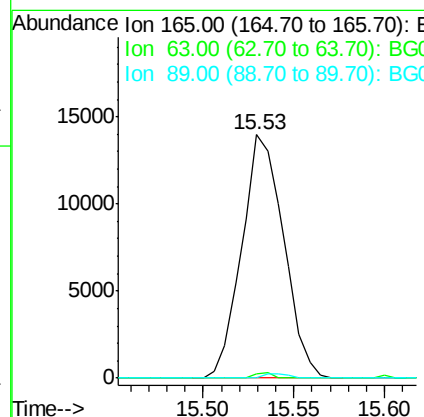
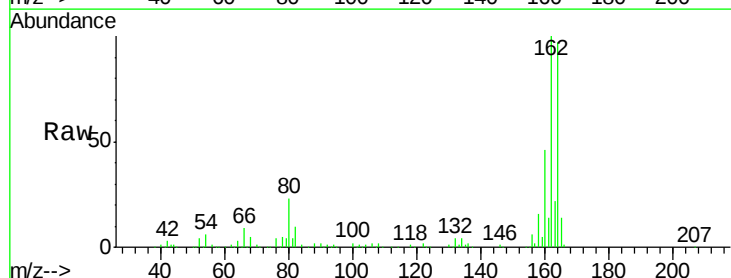
Instrument :
BNA_G
ClientSampleId :

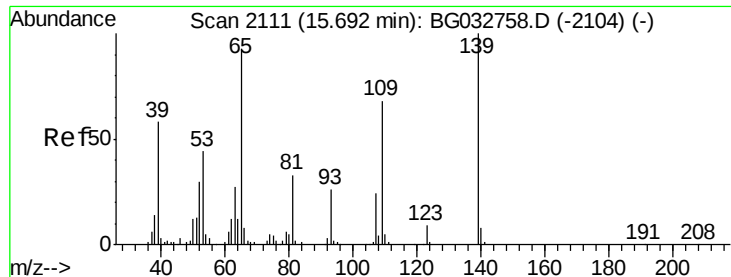
Tot Ion: 65 Resp: 1875
Ion Ratio Lower Upper
65 100
92 245.8 54.6 82.0#
138 31.4 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.41 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.43 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Tgt Ion:165 Resp: 22509
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 0.0 49.2 73.8#

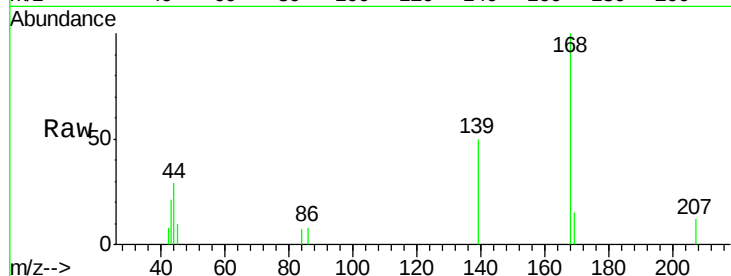




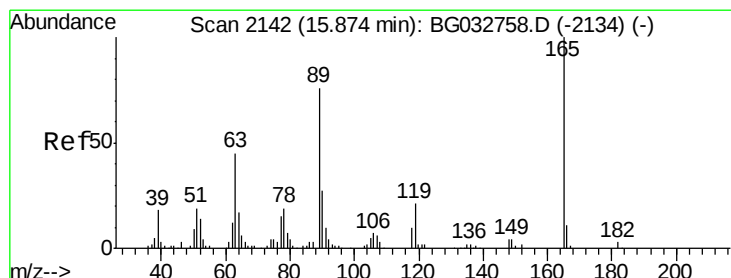
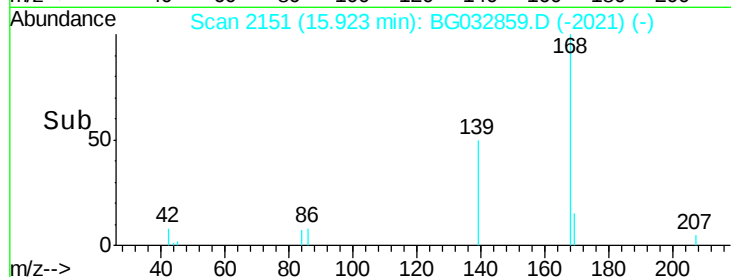
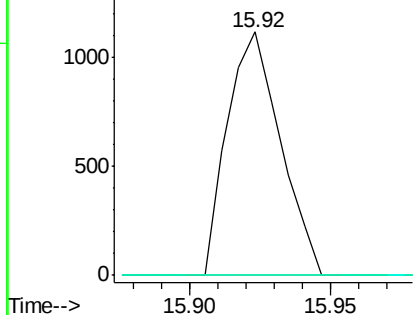
#55
4-Nitrophenol
Concen: 7.63 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 1454
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

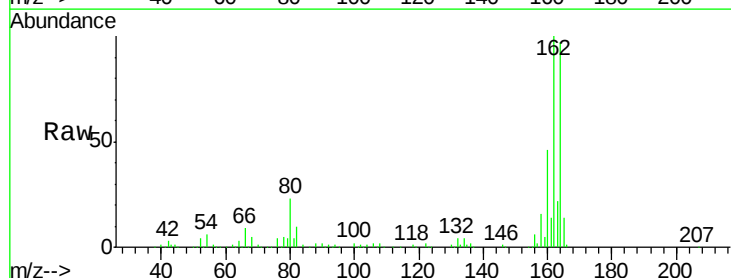


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

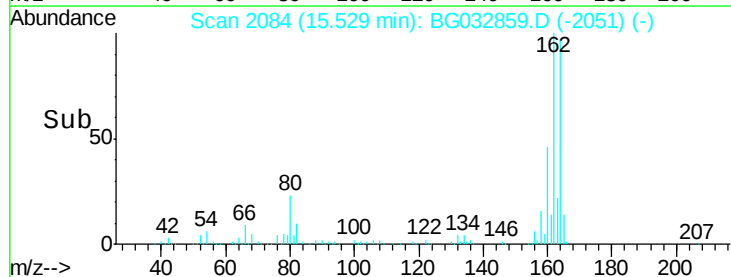
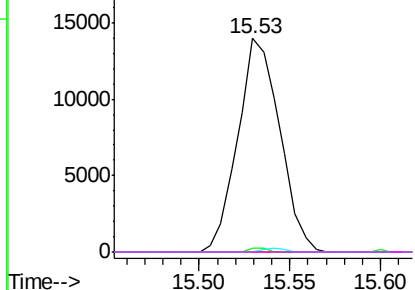


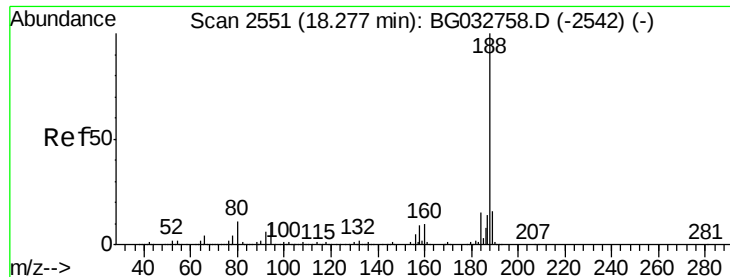
#56
2,4-Dinitrotoluene
Concen: 14.61 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Tgt Ion:165 Resp: 22509
Ion Ratio Lower Upper
165 100
63 1.6 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

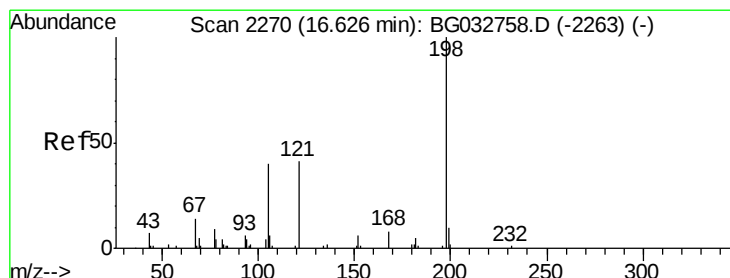
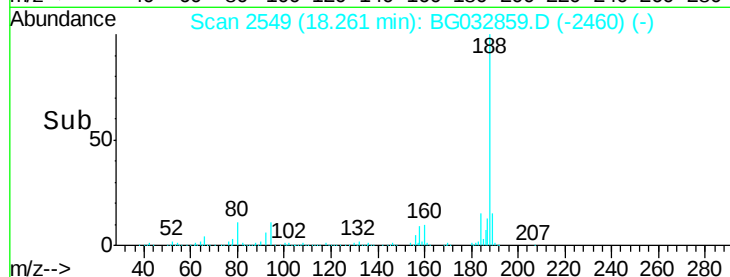
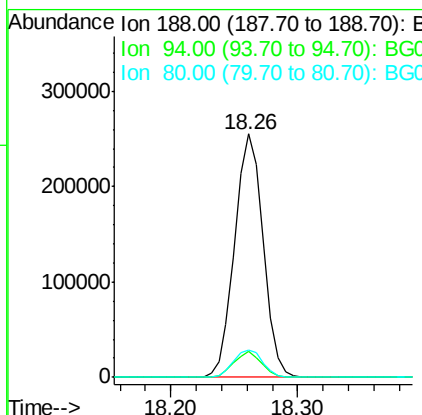
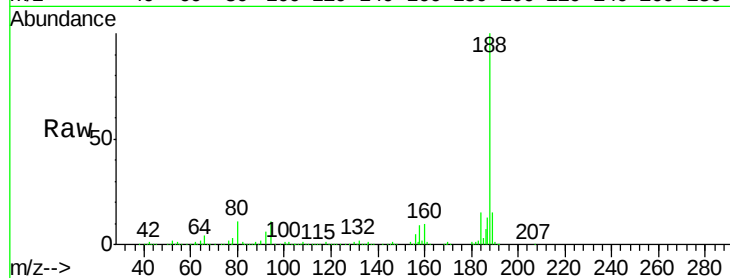




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

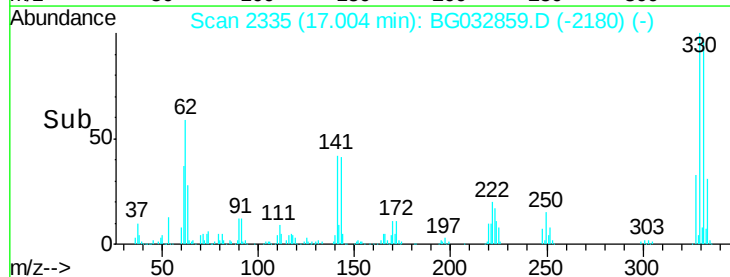
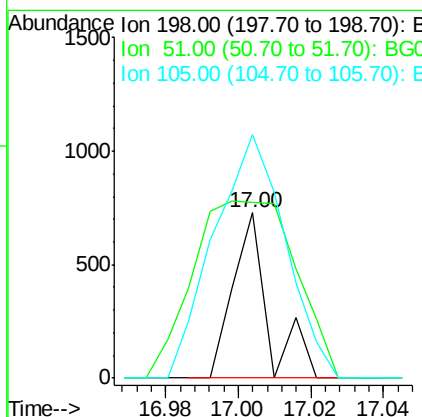
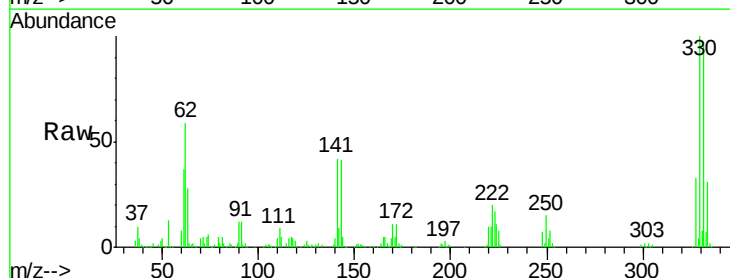
Instrument :
BNA_G
ClientSampleId :

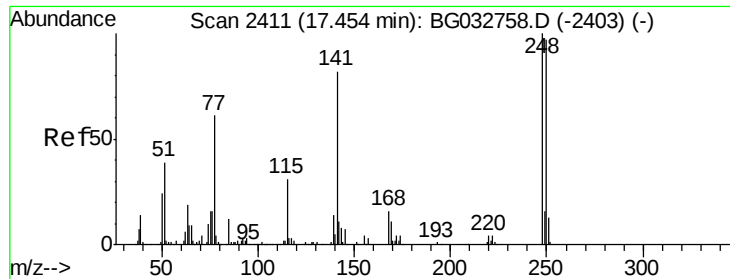
Tot Ion:188 Resp: 396134
Ion Ratio Lower Upper
188 100
94 10.6 6.9 10.3#
80 11.2 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.47 ng
RT: 17.00 min Scan# 2335
Delta R.T. 0.38 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Tgt Ion:198 Resp: 489
Ion Ratio Lower Upper
198 100
51 106.3 30.6 70.6#
105 147.4 23.8 63.8#

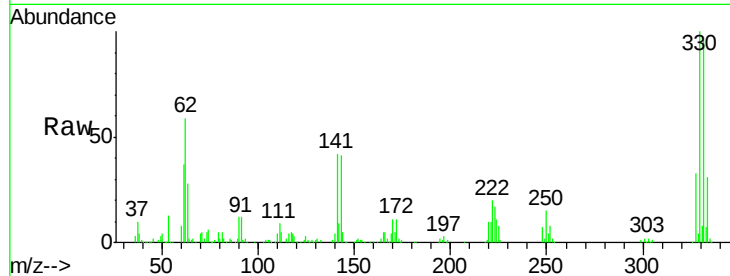




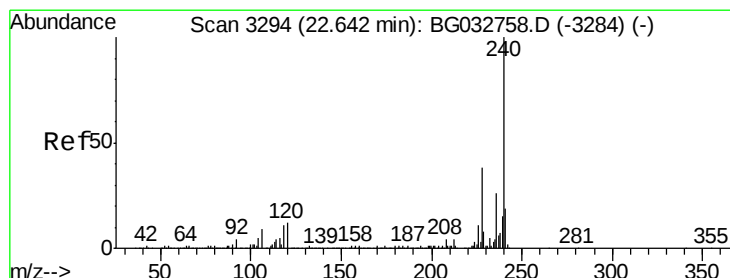
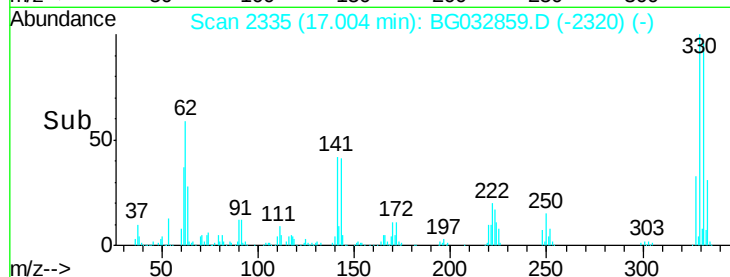
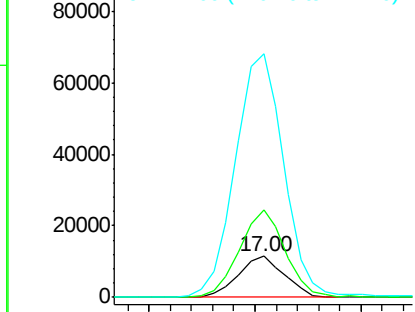
#66
4-Bromophenyl-phenylether
Concen: 4.13 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17296
Ion Ratio Lower Upper
248 100
250 213.0 77.1 115.7#
141 592.6 50.8 76.2#

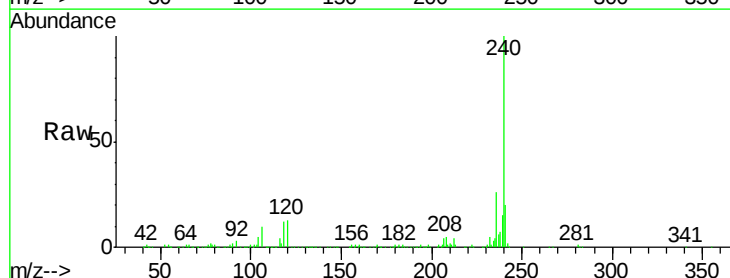


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

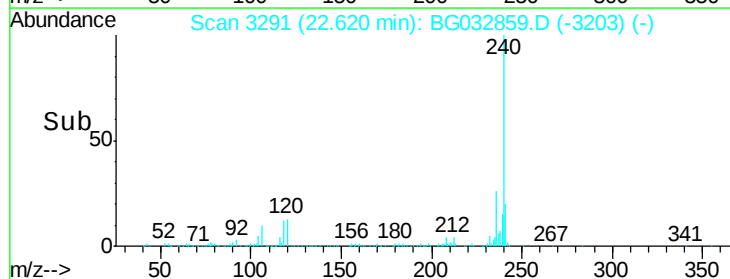
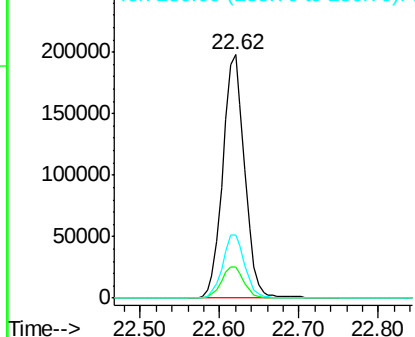


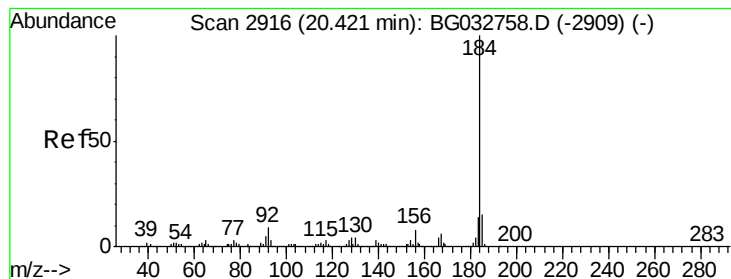
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.62 min Scan# 3291
Delta R.T. -0.01 min
Lab File: BG032859.D
Acq: 27 Feb 2018 17:55

Tgt Ion:240 Resp: 378316
Ion Ratio Lower Upper
240 100
120 12.9 6.8 10.2#
236 25.8 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: 2.11 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.36 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

Instrument :

BNA_G

ClientSampleId :

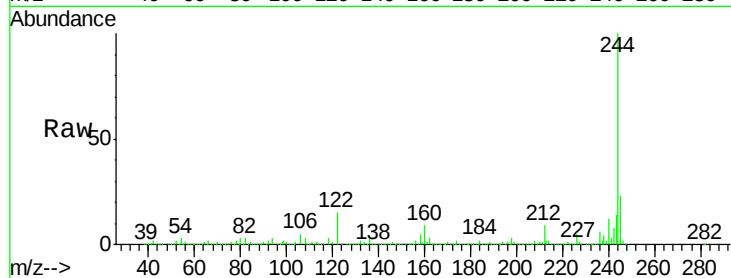
Tot Ion:184 Resp: 27251

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

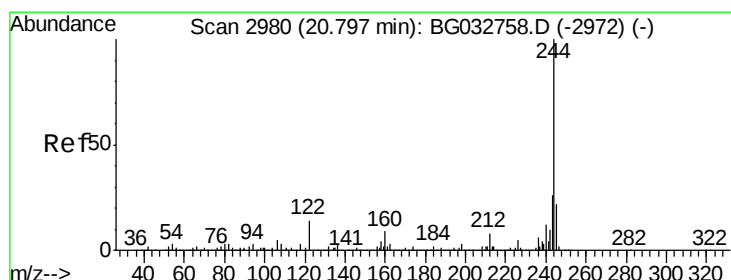
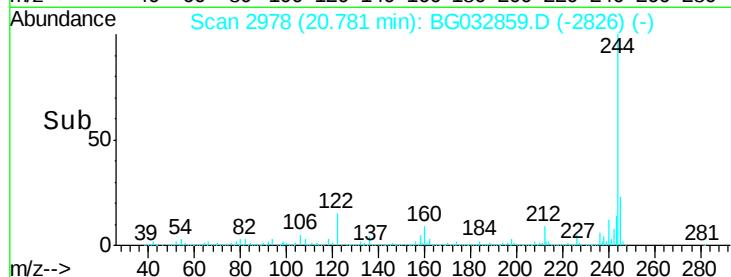
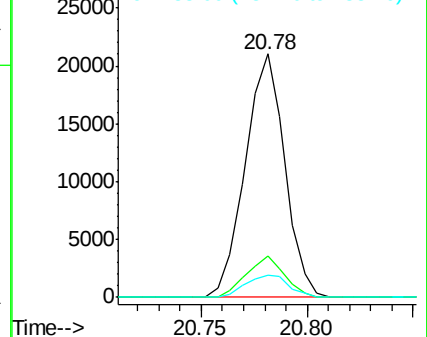
183 9.2 10.6 16.0#



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: 93.88 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

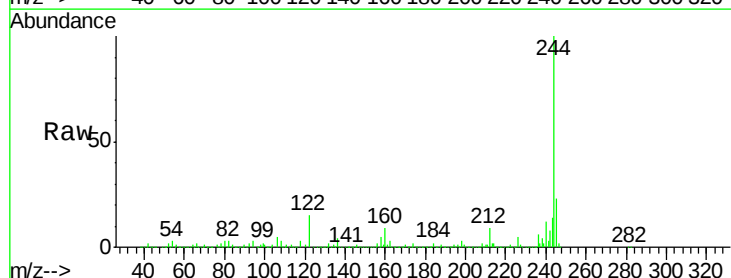
Tgt Ion:244 Resp: 1580792

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

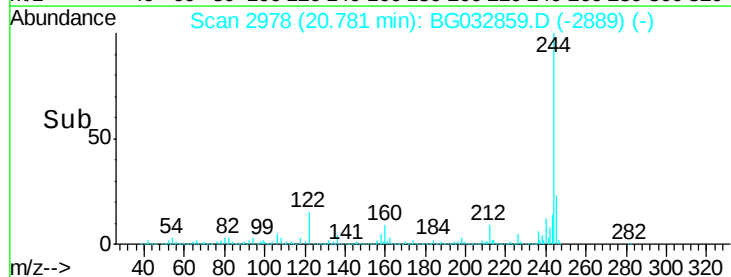
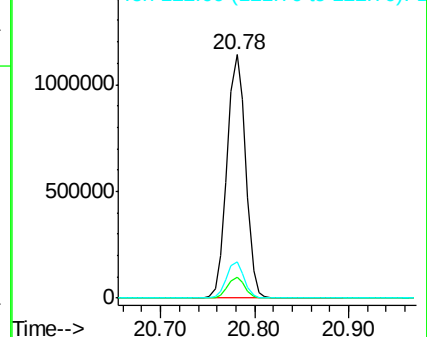
122 14.7 7.0 10.4#

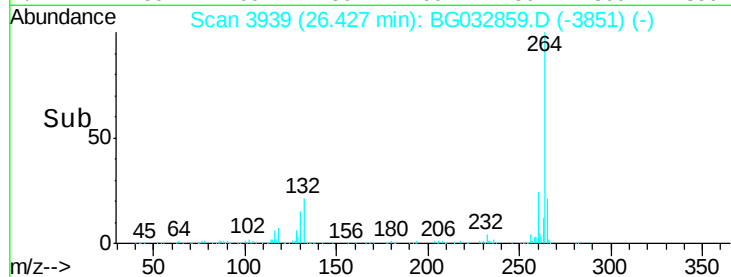
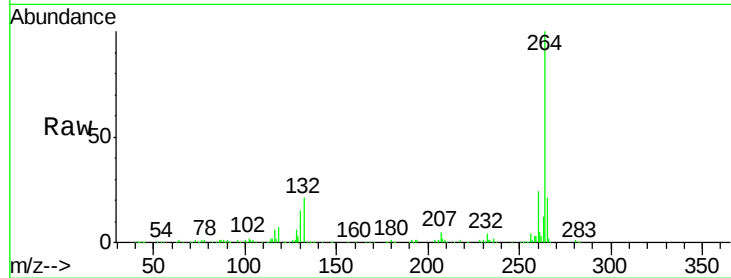
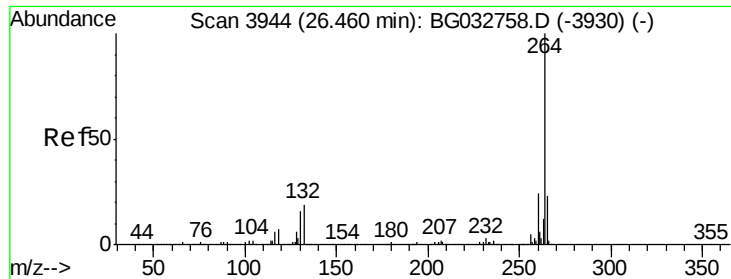


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032859.D

Acq: 27 Feb 2018 17:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 388367

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 20.9 17.7 26.5

