

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032875.D
 Acq On : 28 Feb 2018 4:39
 Operator : SJ/JU
 Sample : J1400-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 06:05:46 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

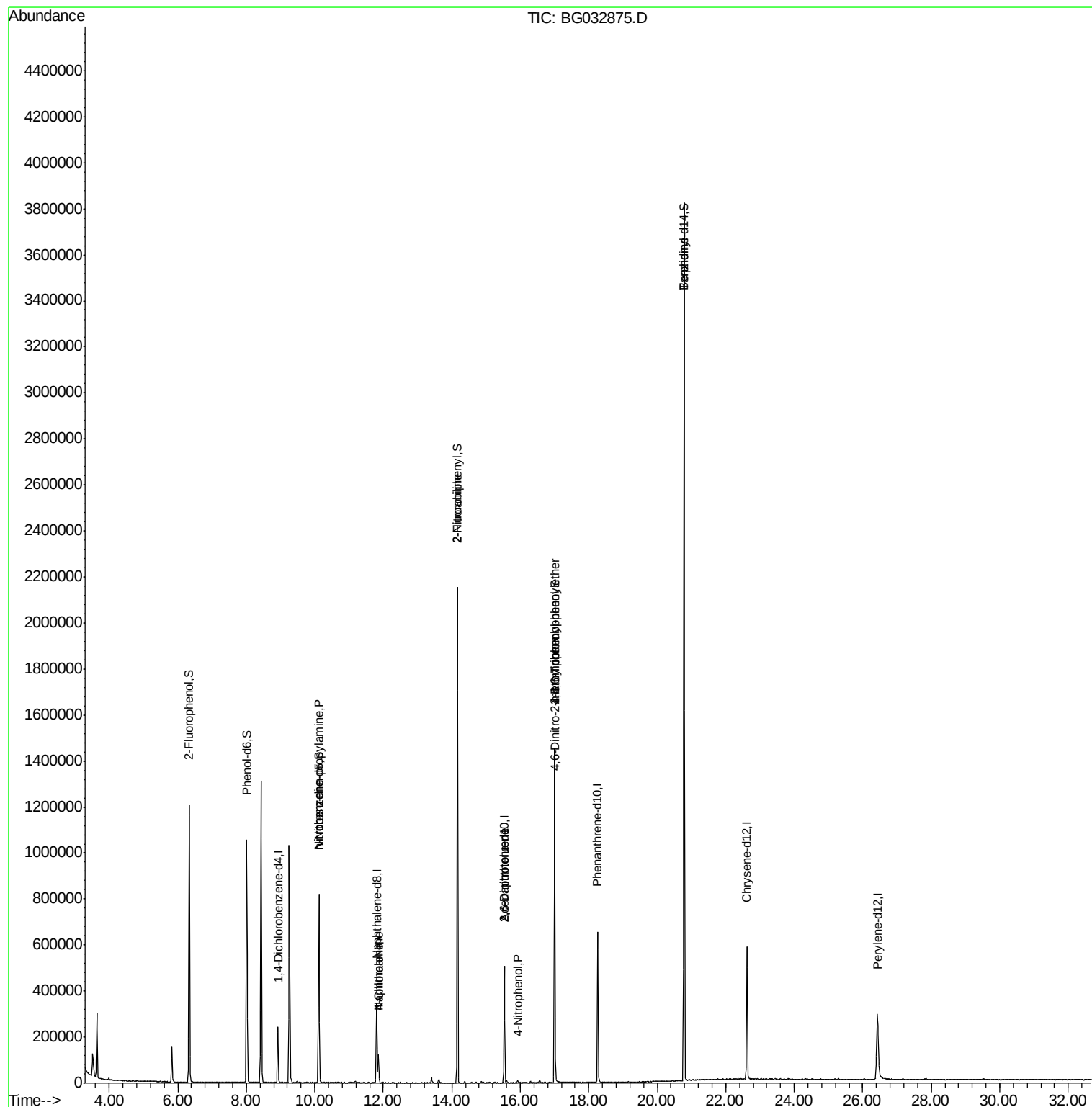
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	73209	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	314066	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	169704	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	394847	20.00	ng	0.00
75) Chrysene-d12	22.62	240	373896	20.00	ng	-0.01
86) Perylene-d12	26.43	264	378185	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	589518	128.83	ng	0.00
7) Phenol-d6	8.02	99	674551	105.76	ng	0.00
23) Nitrobenzene-d5	10.12	82	513358	110.11	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	253176	141.88	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1111738	94.48	ng	0.00
78) Terphenyl-d14	20.78	244	1642938	98.72	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	66713	14.82	ng	# 80
24) Nitrobenzene	10.13	77	1318	6.61	ng	# 47
31) Naphthalene	11.86	128	108468	6.61	ng	# 99
33) 4-Chloroaniline	11.86	127	15149	2.06	ng	# 36
47) 2-Nitroaniline	14.17	65	2082	10.43	ng	# 9
50) 2,6-Dinitrotoluene	15.54	165	22539	16.60	ng	# 21
55) 4-Nitrophenol	15.92	139	2684	8.12	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	22539	14.80	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.02	198	1316	6.36	ng	# 62
66) 4-Bromophenyl-phenylether	17.00	248	18656	4.47	ng	# 1
76) Benzidine	20.78	184	28751	2.26	ng	# 92

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

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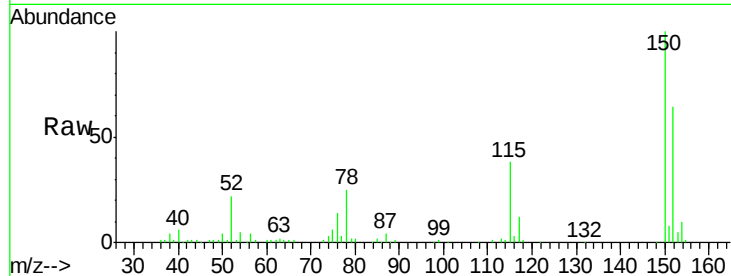


#1

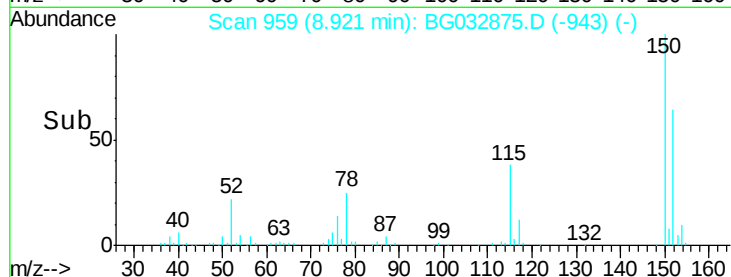
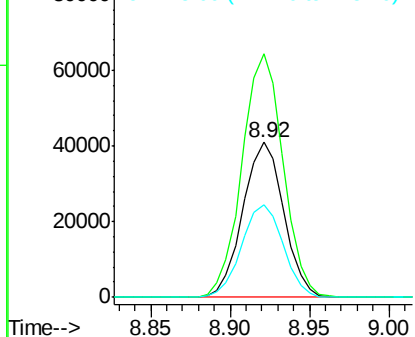
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 73209
Ion Ratio Lower Upper
152 100
150 157.2 126.6 189.8
115 59.9 53.0 79.4



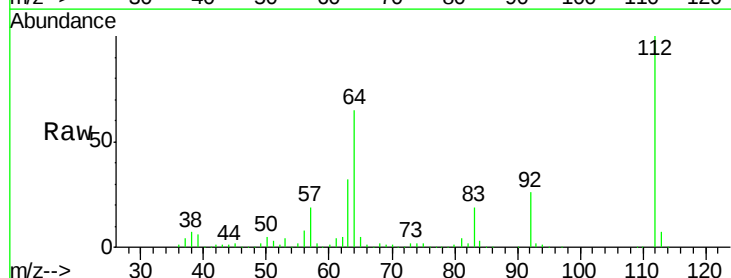
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



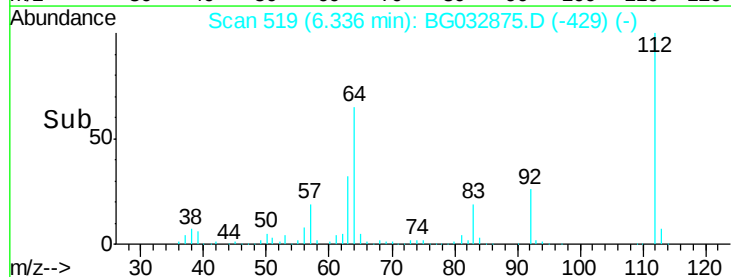
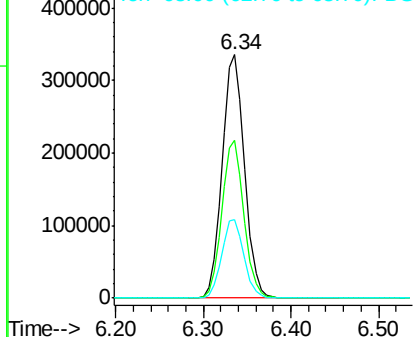
#5

2-Fluorophenol
Concen: 128.83 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion:112 Resp: 589518
Ion Ratio Lower Upper
112 100
64 65.0 56.3 84.5
63 32.0 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: 105.76 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032875.D

Acq: 28 Feb 2018 4:39

Instrument :

BNA_F

ClientSampled :

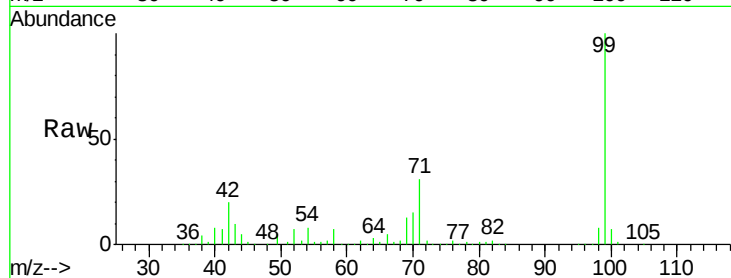
Tot Ion: 99 Resp: 674551

Ion Ratio Lower Upper

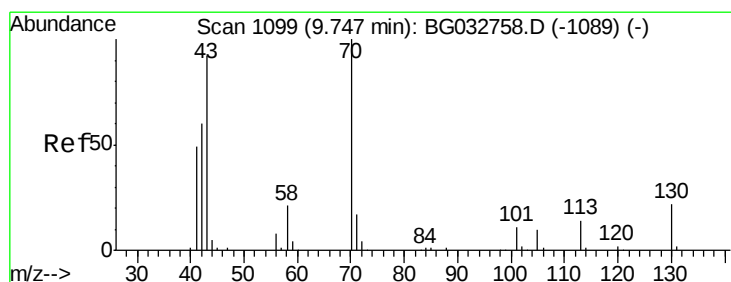
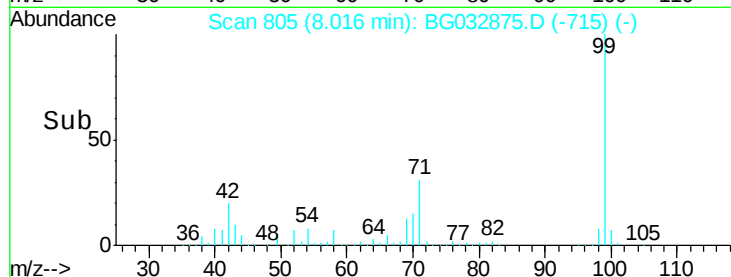
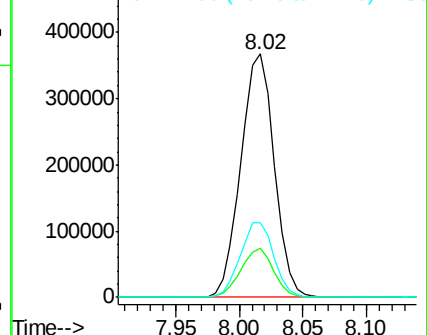
99 100

42 20.1 14.1 21.1

71 30.9 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.82 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032875.D

Acq: 28 Feb 2018 4:39

Tgt Ion: 70 Resp: 66713

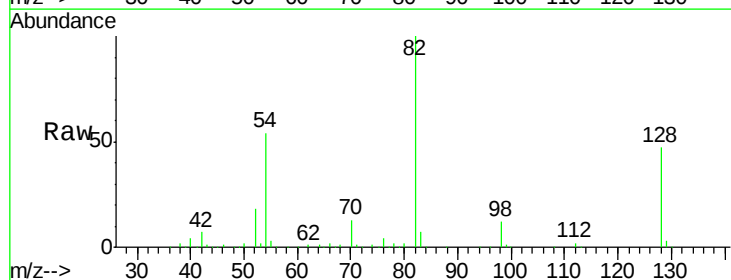
Ion Ratio Lower Upper

70 100

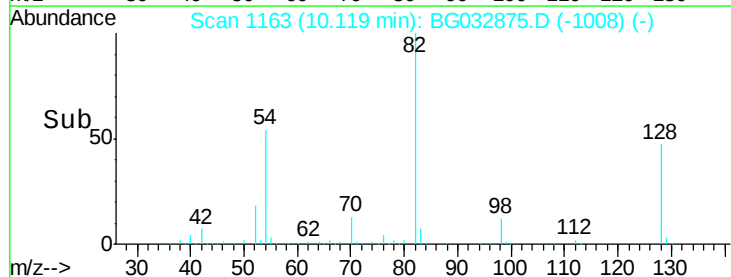
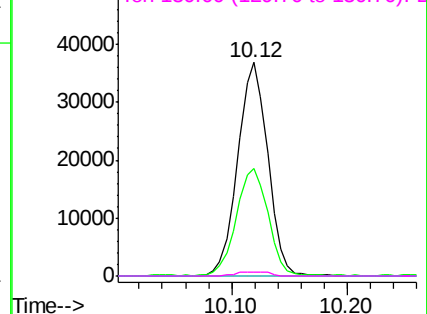
42 50.2 49.1 73.7

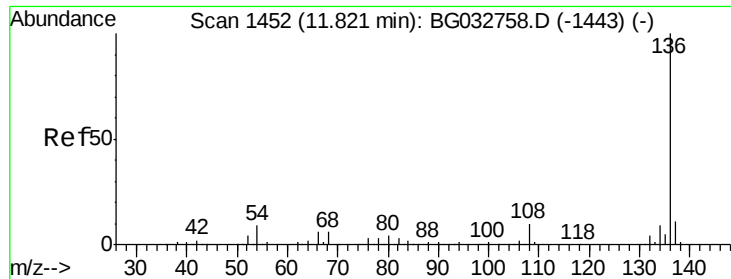
101 0.0 8.5 12.7#

130 2.1 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

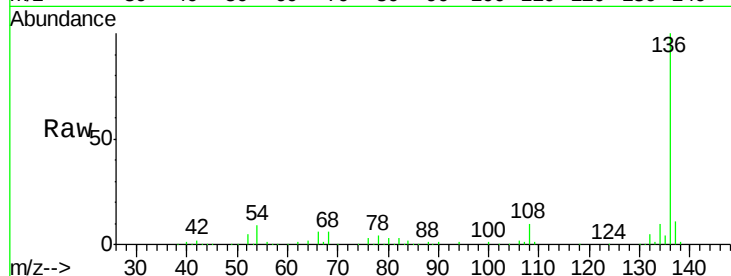




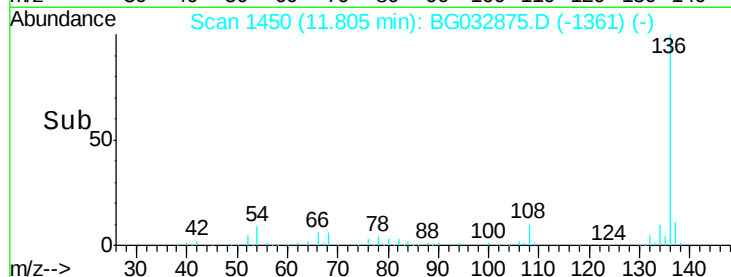
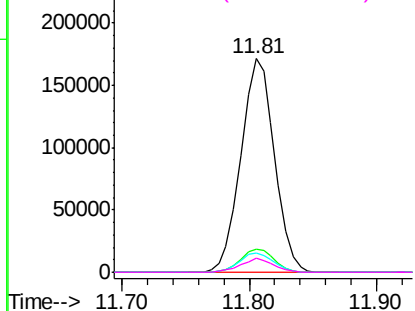
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	314066
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	9.1	10.3 15.5#
68	6.4	4.5 6.7

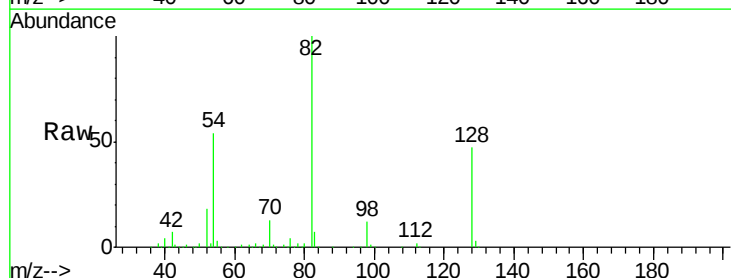


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

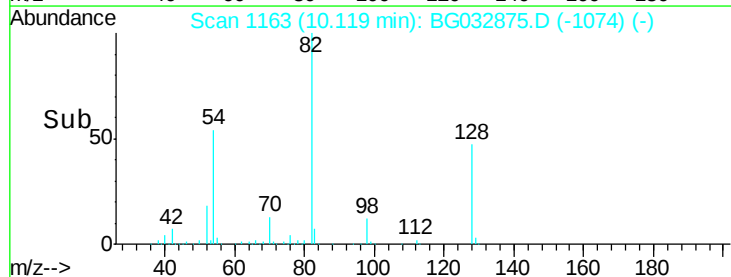
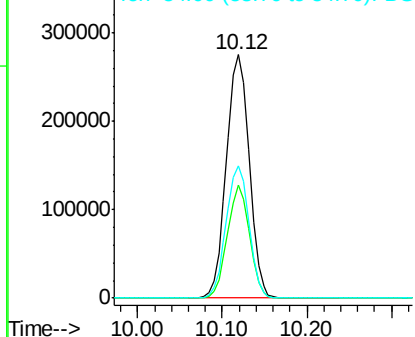


#23
Nitrobenzene-d5
Concen: 110.11 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion: 82	Resp:	513358
Ion Ratio	Lower	Upper
82	100	
128	46.7	29.7 44.5#
54	54.1	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

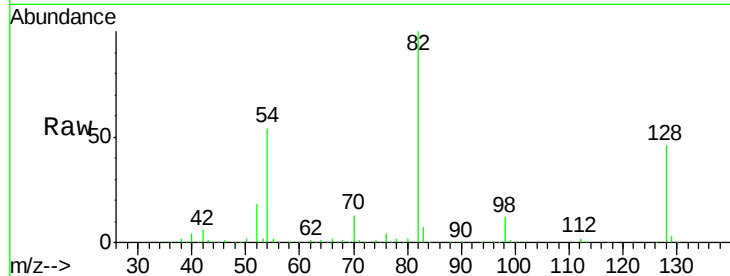




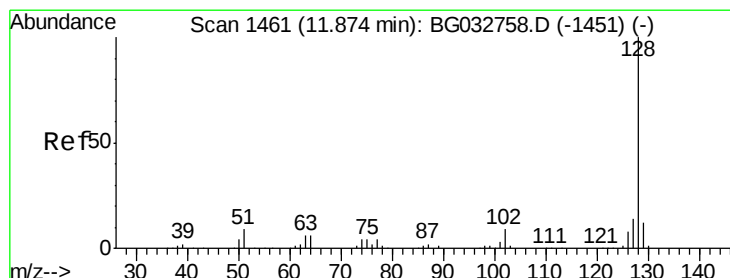
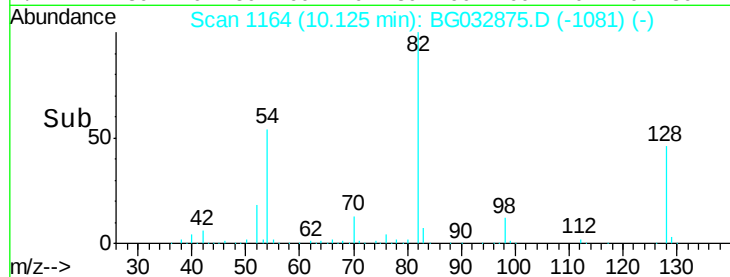
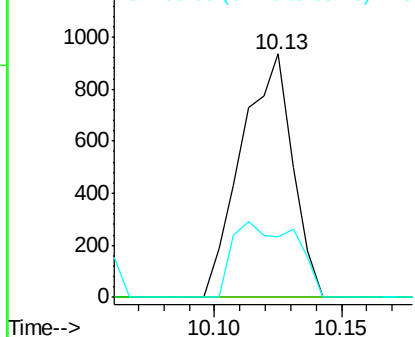
#24
Nitrobenzene
Concen: 6.61 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 1318
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 24.7 13.0 19.6#

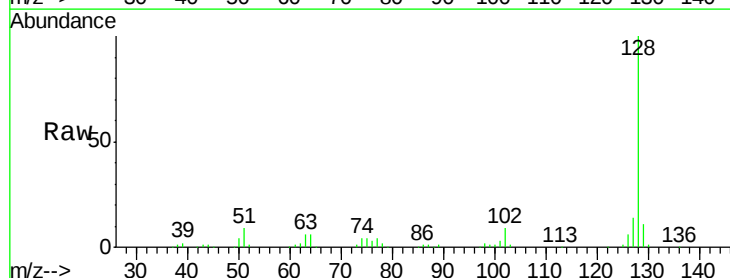


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

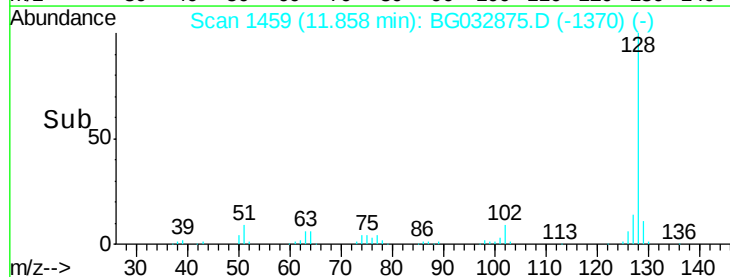
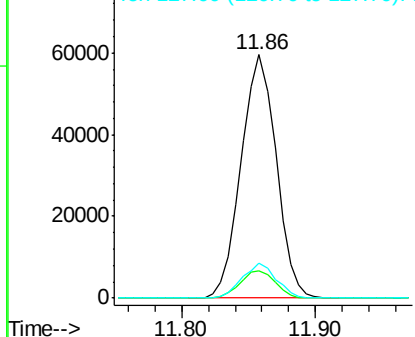


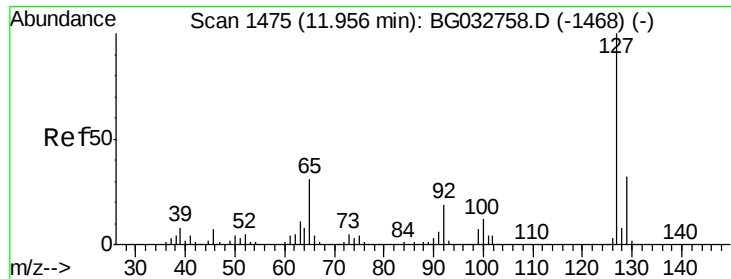
#31
Naphthalene
Concen: 6.61 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion: 128 Resp: 108468
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 14.3 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

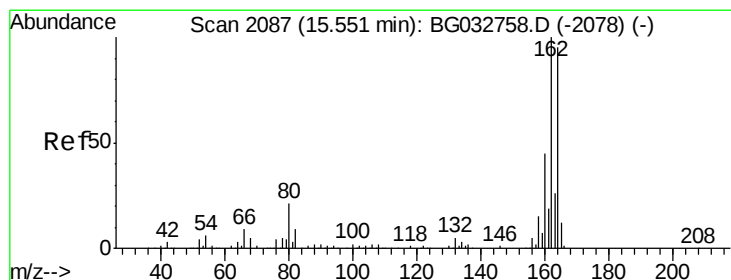
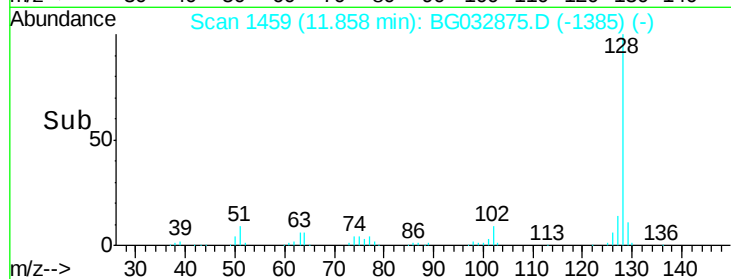
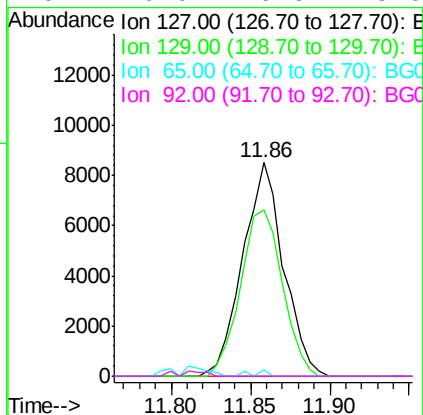
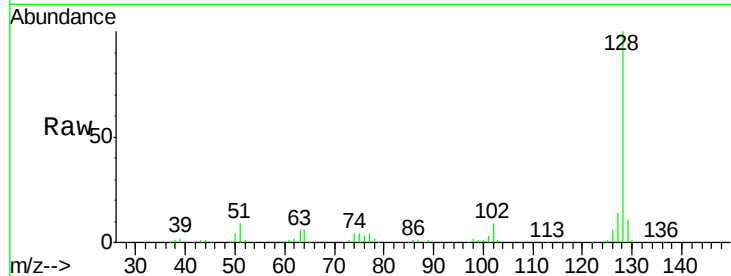




#33
4-Chloroaniline
Concen: 2.06 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.09 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

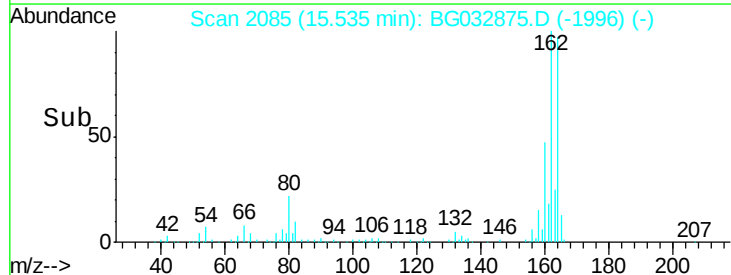
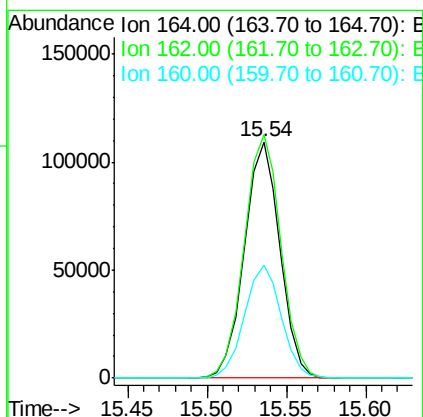
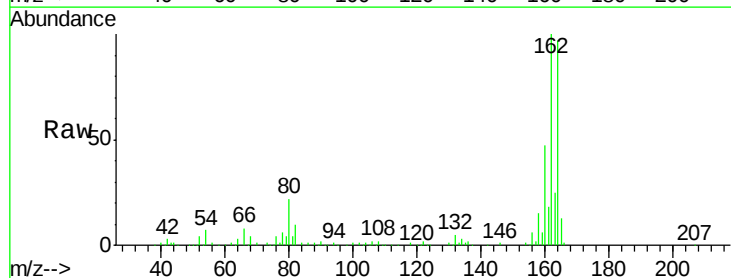
Instrument :
BNA_F
ClientSampleId :

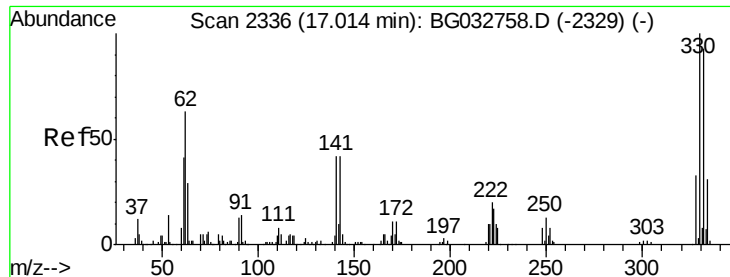
Tot Ion:127 Resp: 15149
Ion Ratio Lower Upper
127 100
129 78.2 24.0 36.0#
65 2.8 27.0 40.4#
92 0.0 16.6 25.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion:164 Resp: 169704
Ion Ratio Lower Upper
164 100
162 103.1 78.8 118.2
160 48.1 35.4 53.0

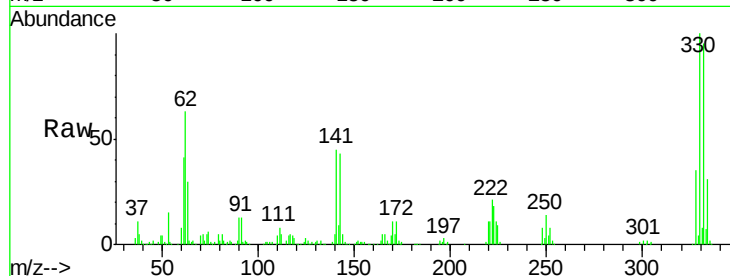




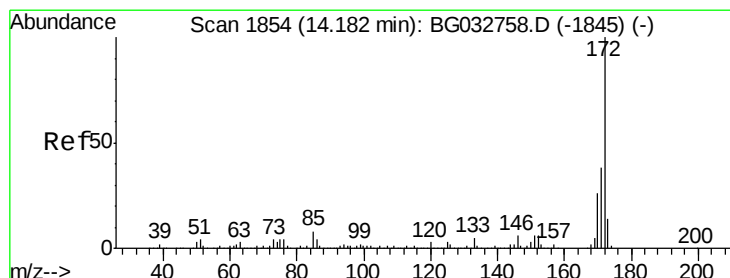
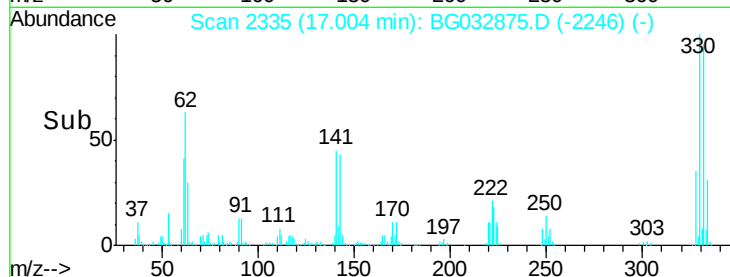
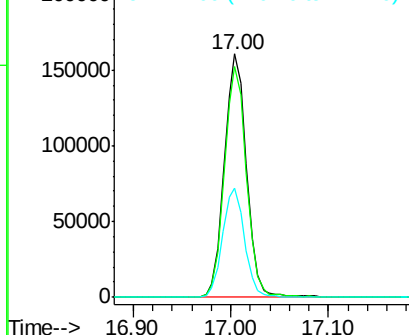
#41
 2,4,6-Tribromophenol
 Concen: 141.88 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032875.D
 Acq: 28 Feb 2018 4:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 253176
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 44.6 25.2 37.8#

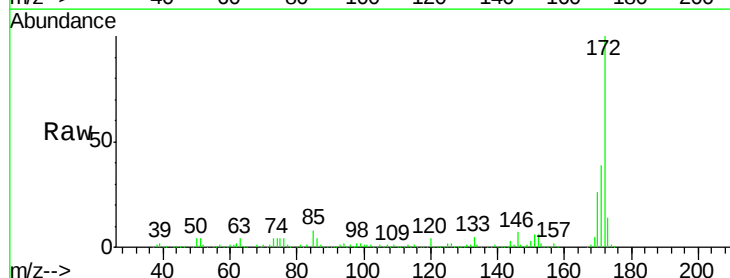


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

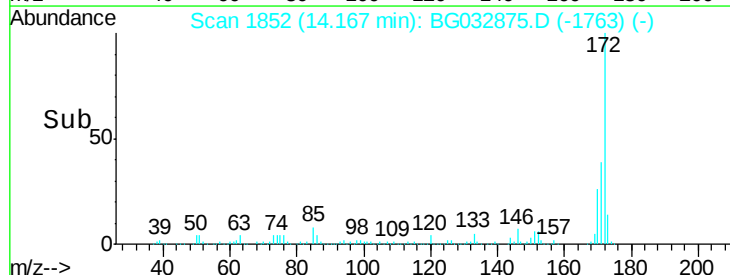
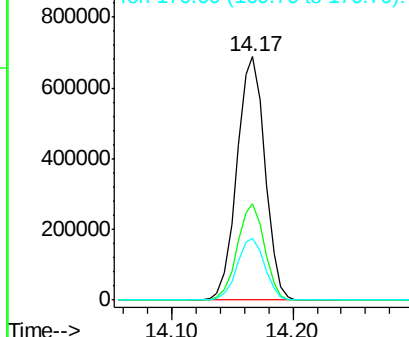


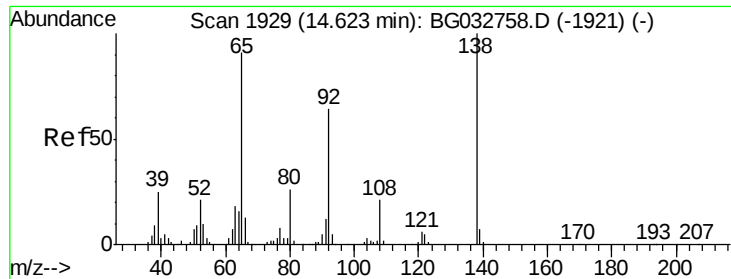
#44
 2-Fluorobiphenyl
 Concen: 94.48 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032875.D
 Acq: 28 Feb 2018 4:39

Tgt Ion:172 Resp: 1111738
 Ion Ratio Lower Upper
 172 100
 171 39.5 30.0 45.0
 170 25.6 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

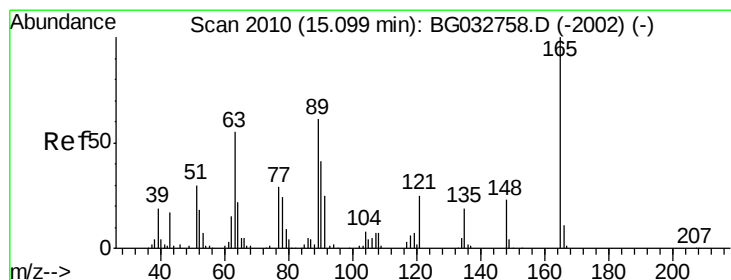
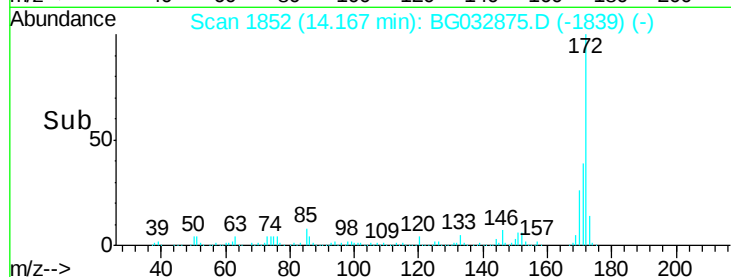
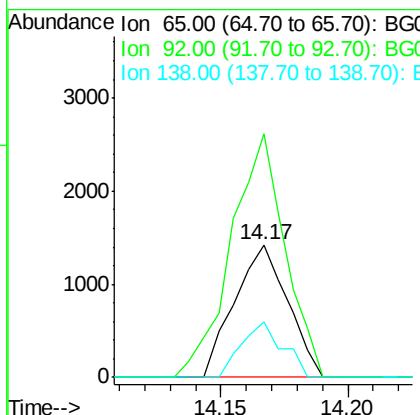
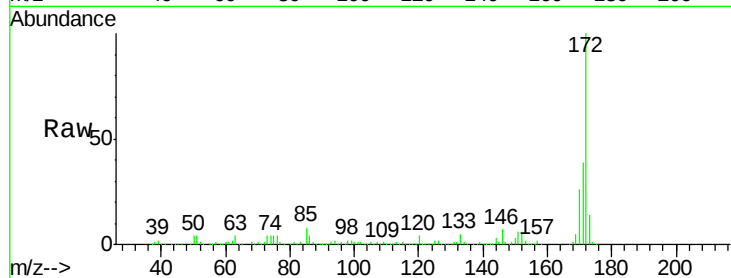




#47
2-Nitroaniline
Concen: 10.43 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

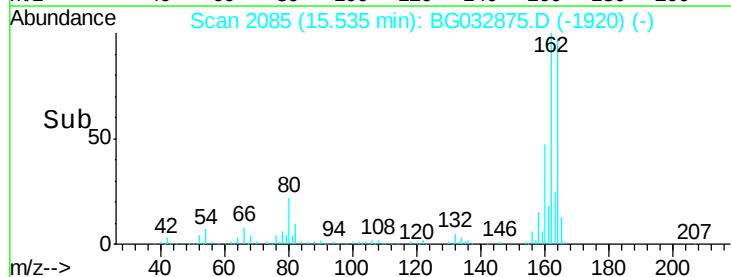
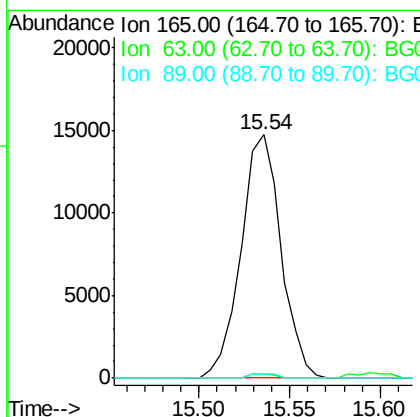
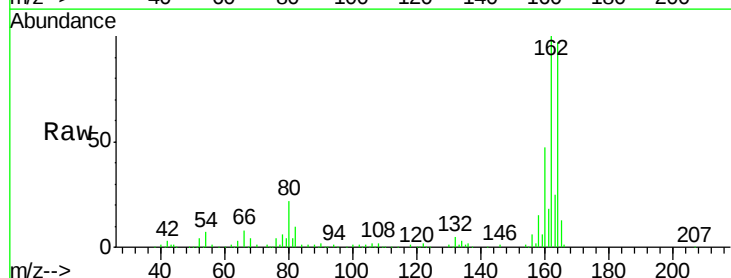
Instrument :
BNA_F
ClientSampleId :

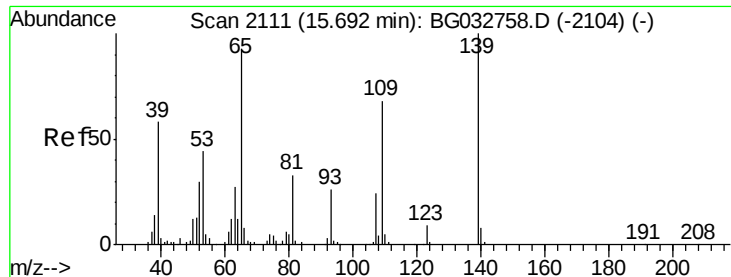
Tot Ion: 65 Resp: 2082
Ion Ratio Lower Upper
65 100
92 183.8 54.6 82.0#
138 41.8 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.60 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion:165 Resp: 22539
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 1.9 49.2 73.8#

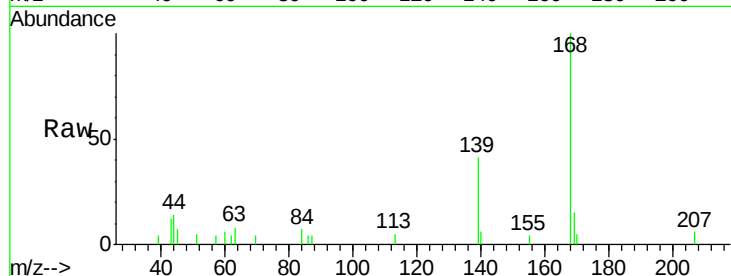




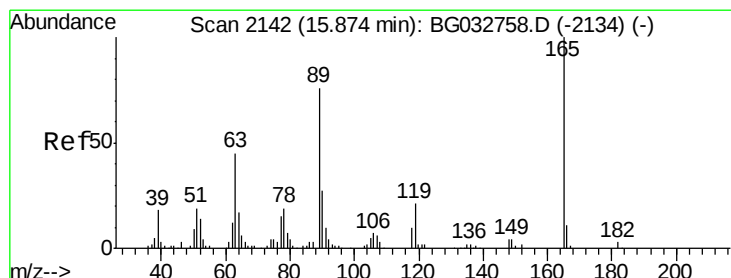
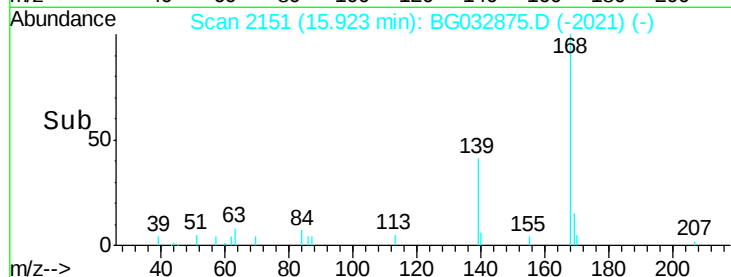
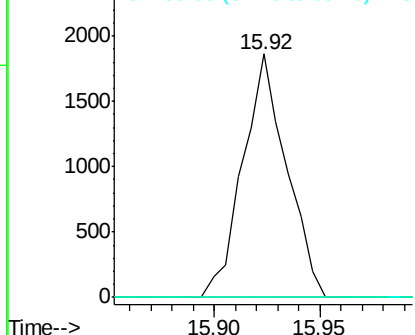
#55
4-Nitrophenol
Concen: 8.12 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2684
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

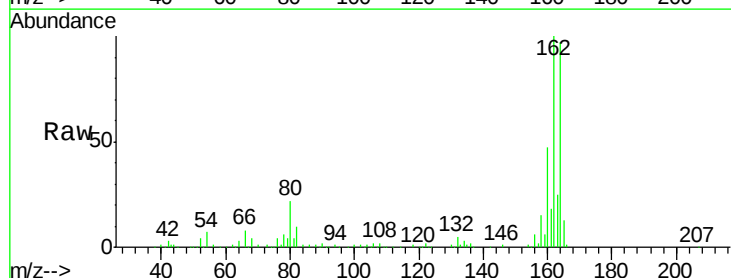


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

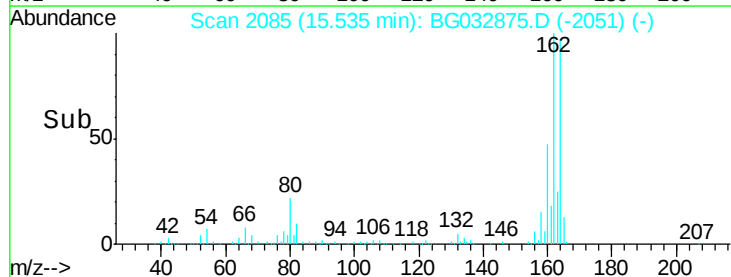
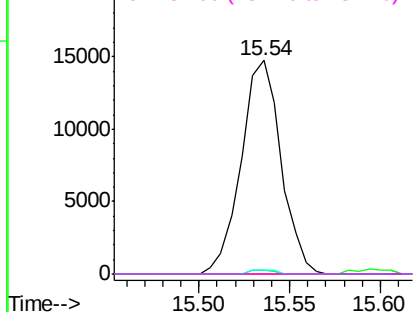


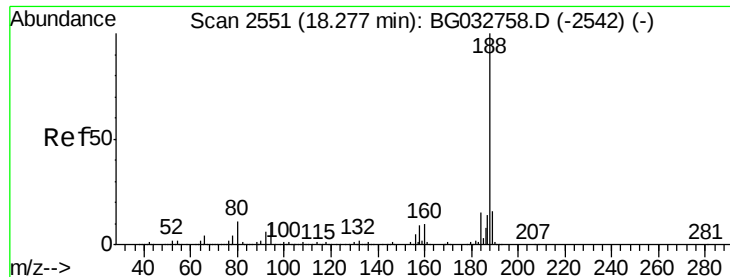
#56
2,4-Dinitrotoluene
Concen: 14.80 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion:165 Resp: 22539
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 1.9 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): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E

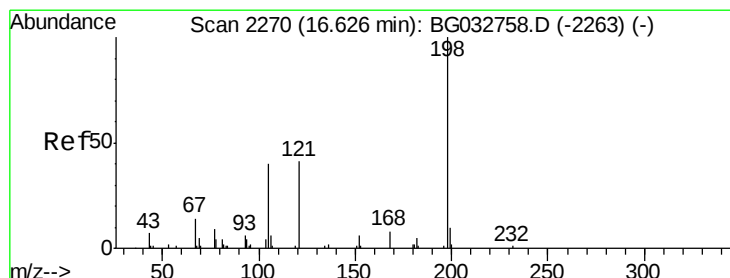
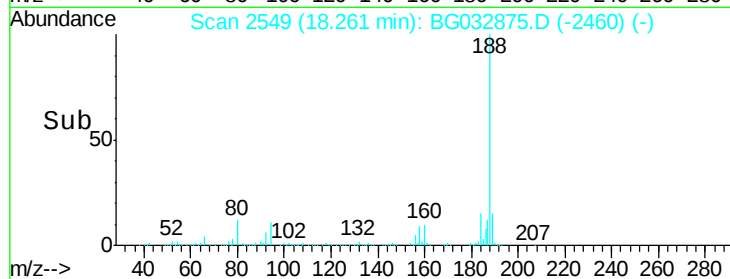
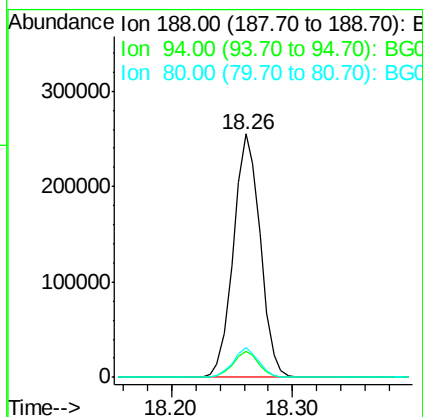
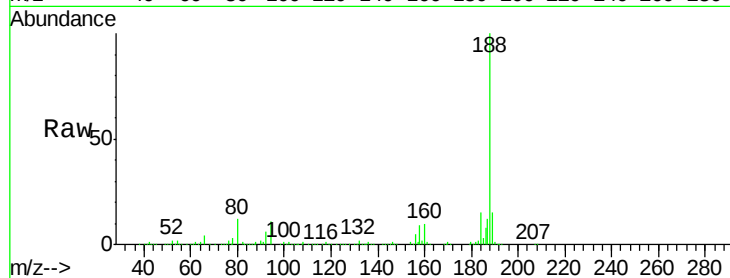




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

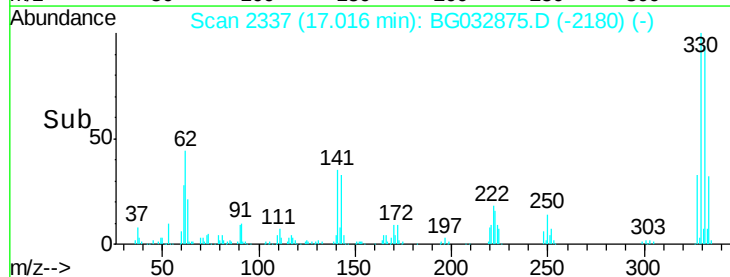
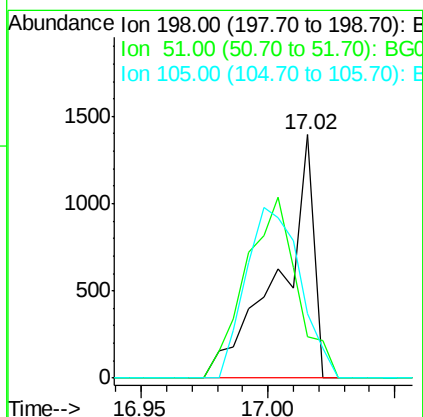
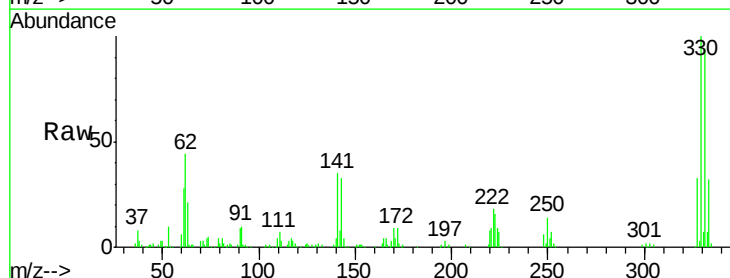
Instrument :
BNA_F
ClientSampleId :

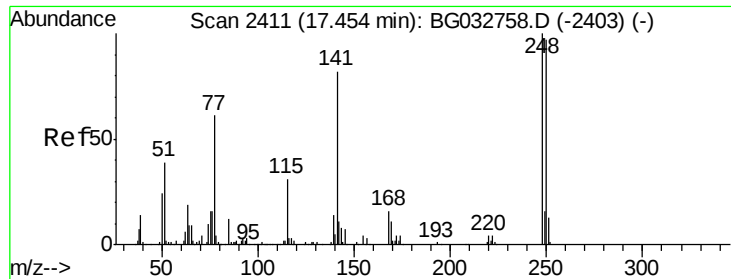
Tot Ion:188 Resp: 394847
Ion Ratio Lower Upper
188 100
94 10.6 6.9 10.3#
80 12.5 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 6.36 ng
RT: 17.02 min Scan# 2337
Delta R.T. 0.39 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion:198 Resp: 1316
Ion Ratio Lower Upper
198 100
51 17.1 30.6 70.6#
105 26.7 23.8 63.8

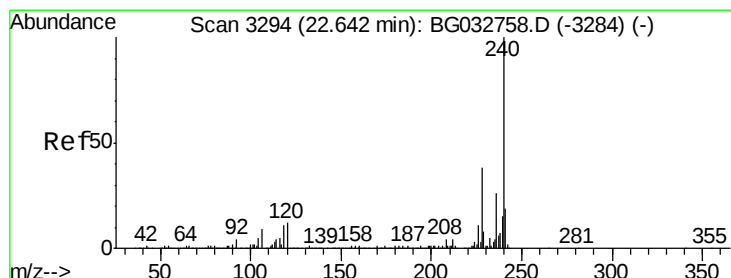
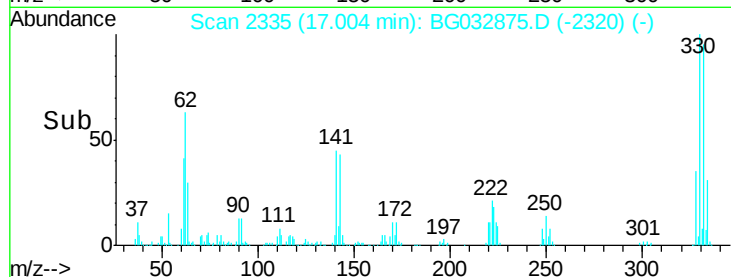
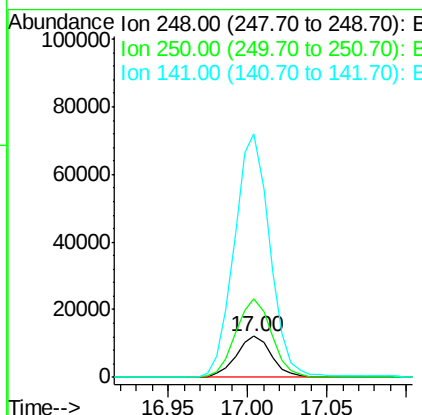
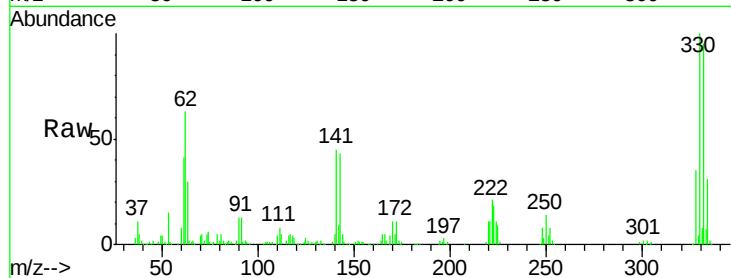




#66
4-Bromophenyl-phenylether
Concen: 4.47 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

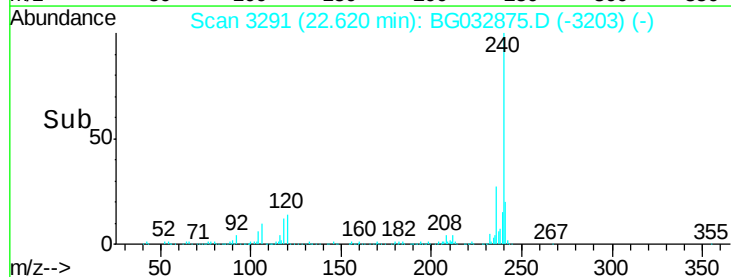
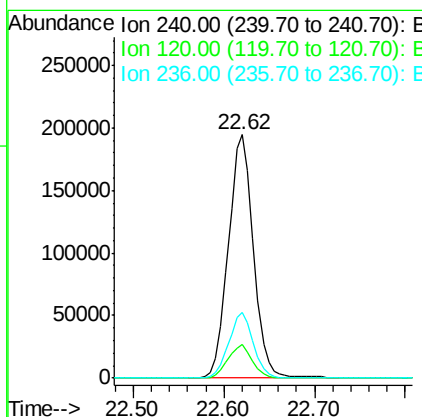
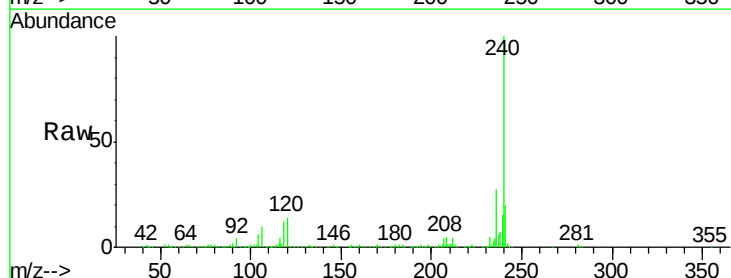
Instrument :
BNA_F
ClientSampled :

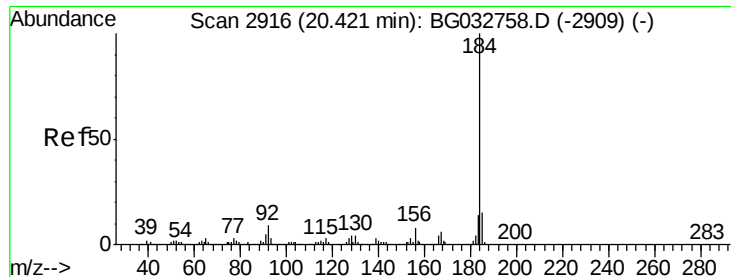
Tot Ion:248 Resp: 18656
Ion Ratio Lower Upper
248 100
250 190.7 77.1 115.7#
141 589.5 50.8 76.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.62 min Scan# 3291
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion:240 Resp: 373896
Ion Ratio Lower Upper
240 100
120 13.7 6.8 10.2#
236 26.9 20.9 31.3

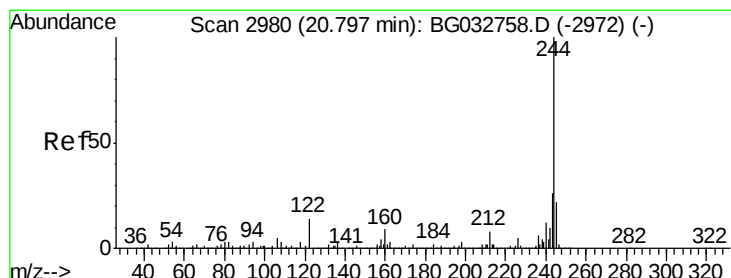
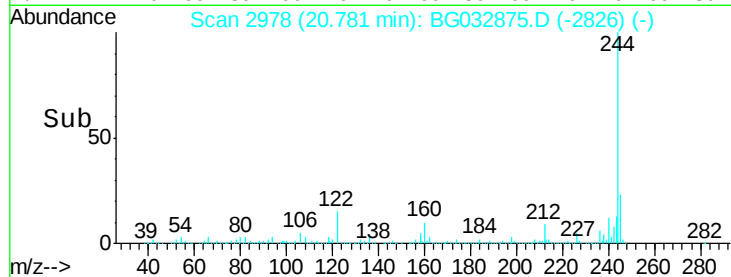
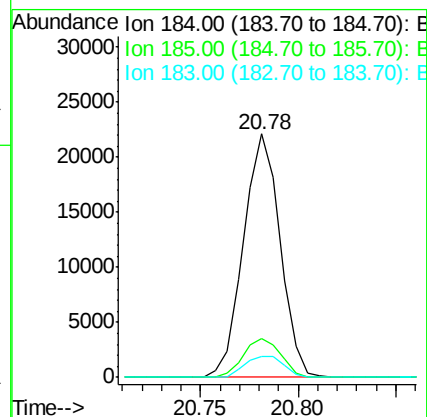
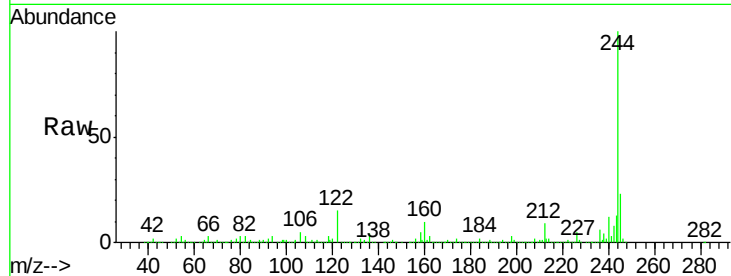




#76
Benzidine
Concen: 2.26 ng
RT: 20.78 min Scan# 2978
Delta R.T. 0.36 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

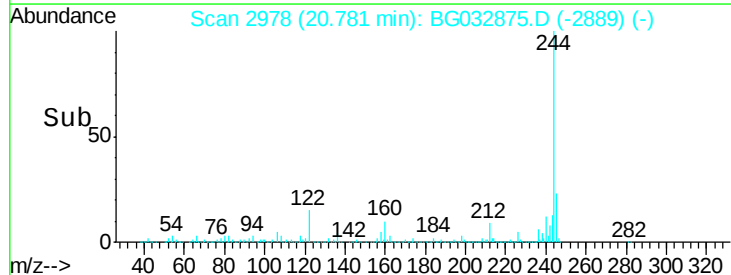
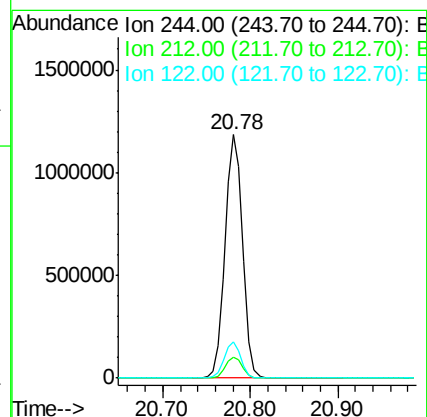
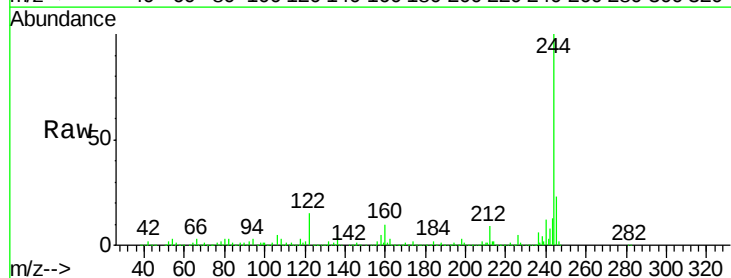
Instrument :
BNA_F
ClientSampleId :

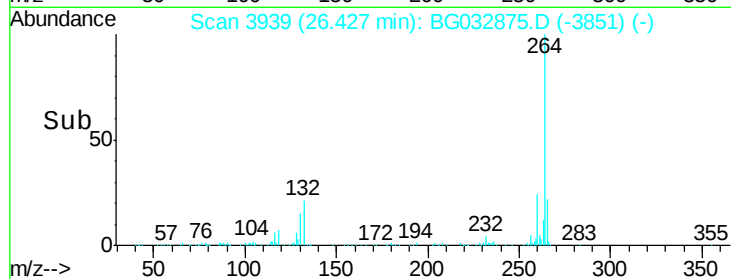
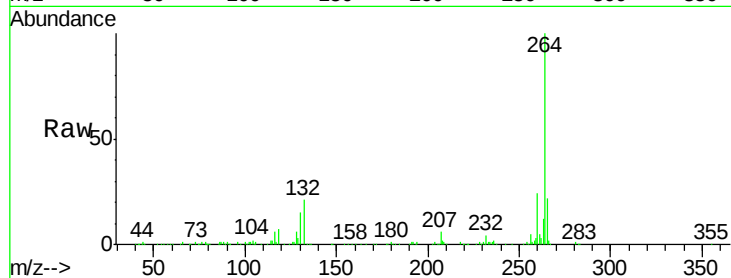
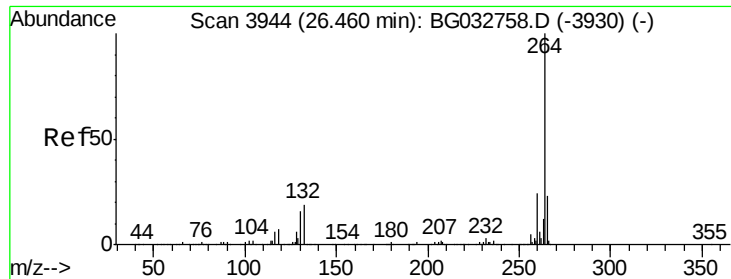
Tot Ion:184 Resp: 28751
Ion Ratio Lower Upper
184 100
185 15.7 11.1 16.7
183 8.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 98.72 ng
RT: 20.78 min Scan# 2978
Delta R.T. -0.01 min
Lab File: BG032875.D
Acq: 28 Feb 2018 4:39

Tgt Ion:244 Resp: 1642938
Ion Ratio Lower Upper
244 100
212 8.7 5.8 8.8
122 15.1 7.0 10.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032875.D

Acq: 28 Feb 2018 4:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 378185

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.3 17.7 26.5

