

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032873.D
 Acq On : 28 Feb 2018 3:24
 Operator : SJ/JU
 Sample : J1397-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 06:05:14 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

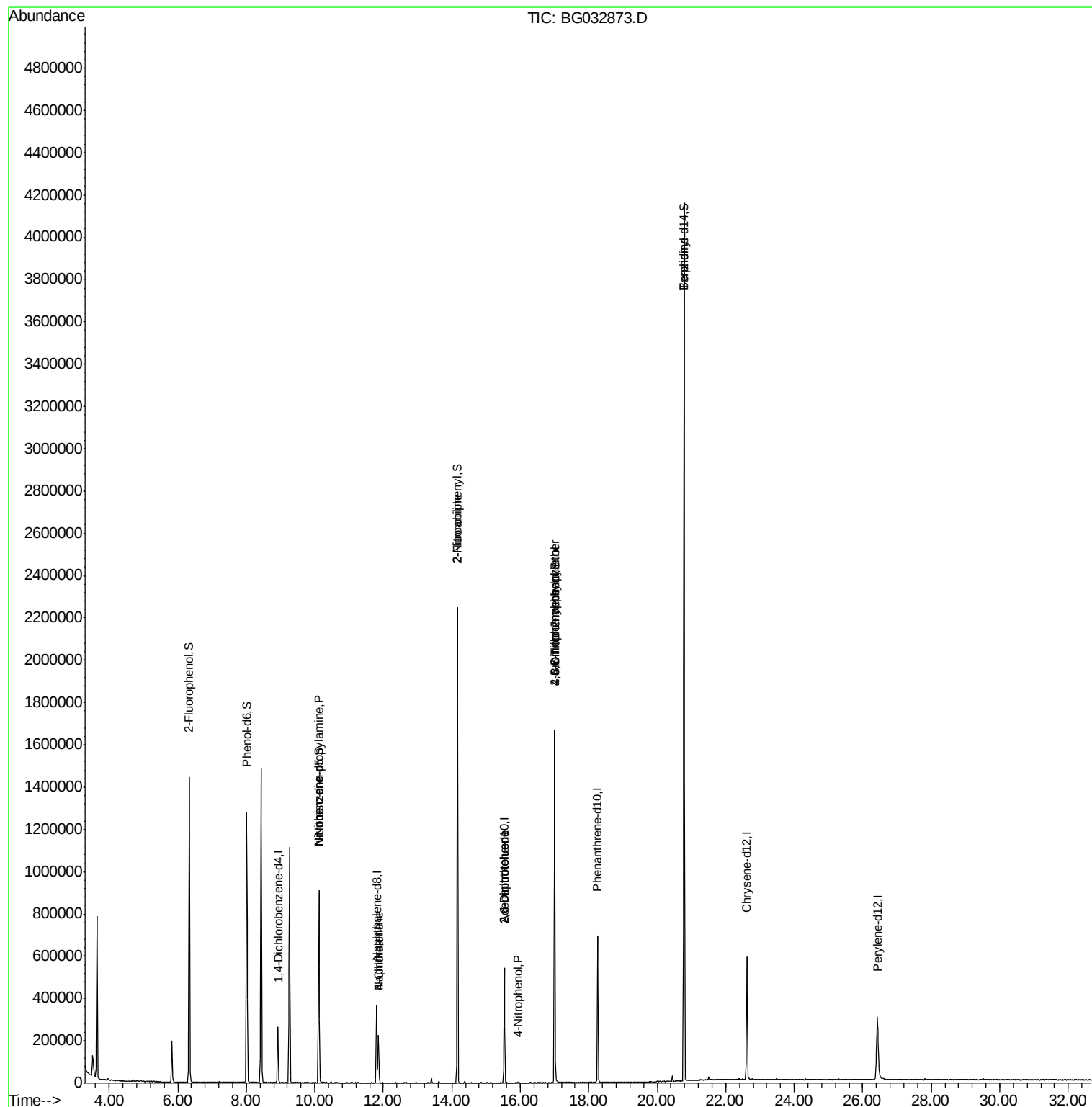
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	78848	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	332280	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	182790	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	416311	20.00	ng	0.00
75) Chrysene-d12	22.61	240	382354	20.00	ng	-0.02
86) Perylene-d12	26.43	264	384749	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	680775	138.13	ng	0.00
7) Phenol-d6	8.02	99	818228	119.11	ng	0.00
23) Nitrobenzene-d5	10.12	82	570452	115.16	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	291533	151.68	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1217921	96.10	ng	0.00
78) Terphenyl-d14	20.78	244	1756323	103.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	74562	15.37	ng	# 83
24) Nitrobenzene	10.12	77	1523	6.63	ng	# 40
31) Naphthalene	11.86	128	198372	11.43	ng	# 99
33) 4-Chloroaniline	11.86	127	27650	3.56	ng	# 35
47) 2-Nitroaniline	14.16	65	2016	10.37	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	23931	16.49	ng	# 20
55) 4-Nitrophenol	15.93	139	1351	7.57	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23931	14.69	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	755	5.72	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	21665	4.92	ng	# 1
76) Benzidine	20.78	184	30362	2.33	ng	# 91

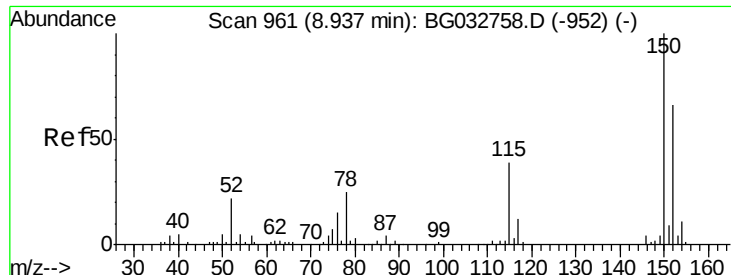
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032873.D

Acq: 28 Feb 2018 3:24

Instrument :

BNA_F

ClientSampleId :

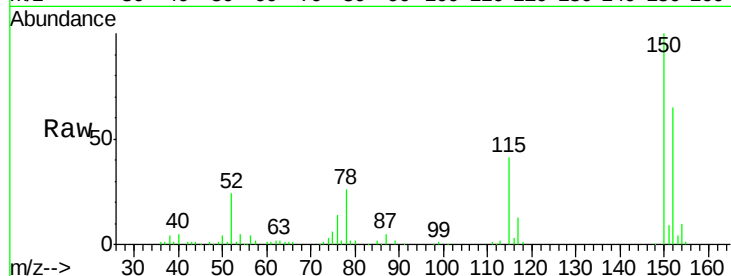
Tot Ion:152 Resp: 78848

Ion Ratio Lower Upper

152 100

150 153.4 126.6 189.8

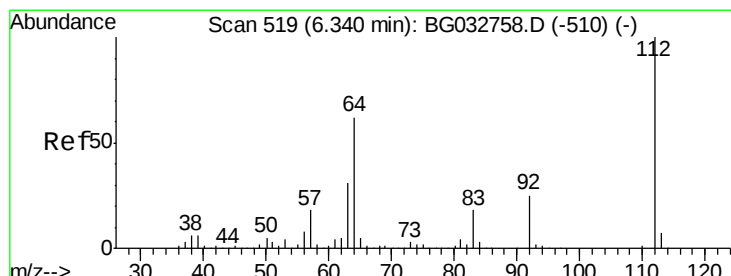
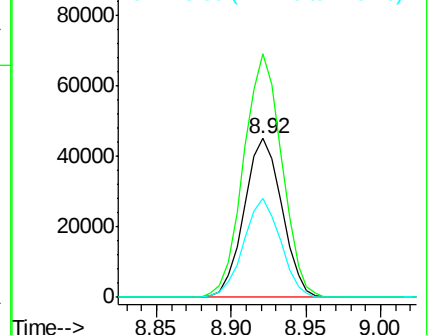
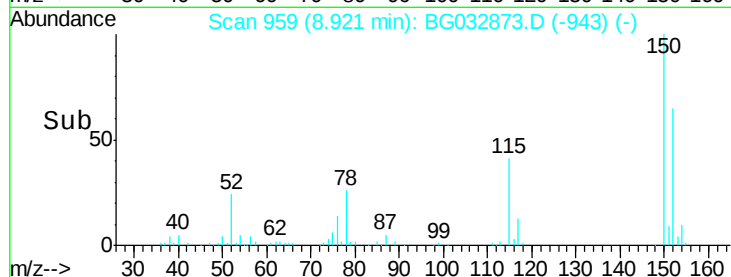
115 62.3 53.0 79.4



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: 138.13 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

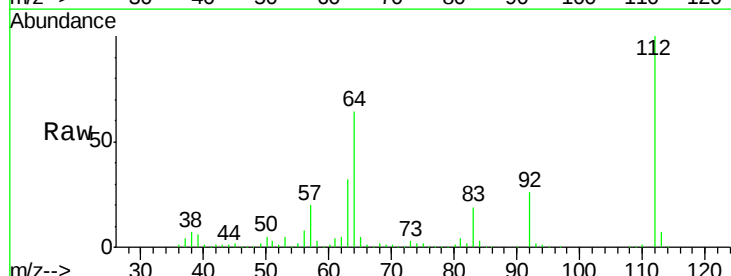
Tgt Ion:112 Resp: 680775

Ion Ratio Lower Upper

112 100

64 63.6 56.3 84.5

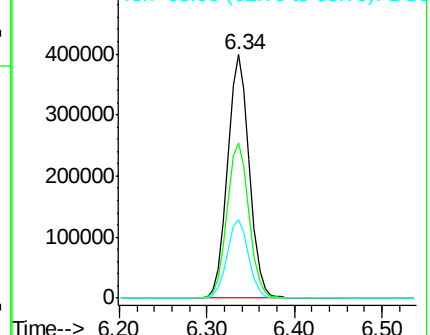
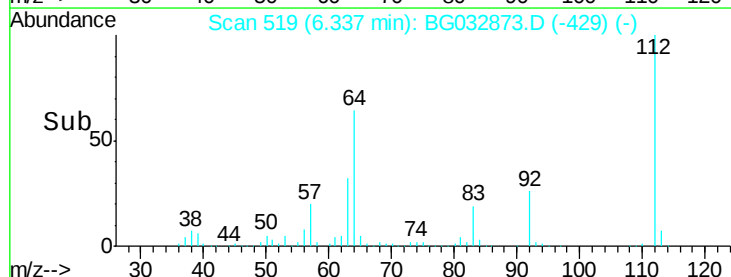
63 32.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 119.11 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

Instrument :

BNA_F

ClientSampleId :

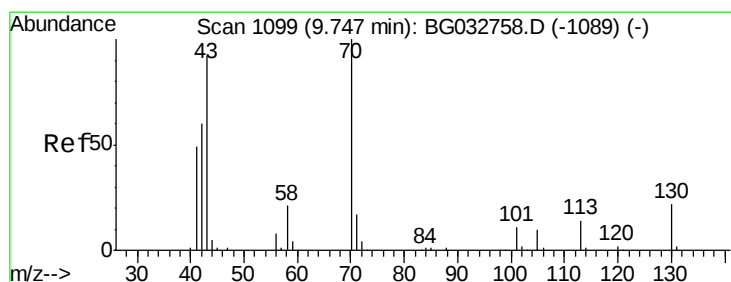
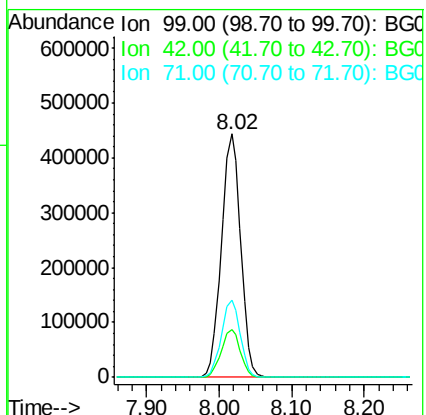
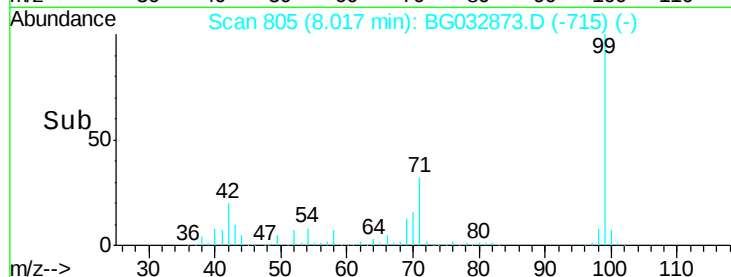
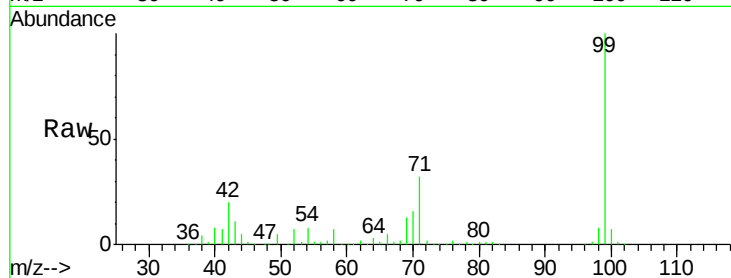
Tot Ion: 99 Resp: 818228

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

71 31.5 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 15.37 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

Tgt Ion: 70 Resp: 74562

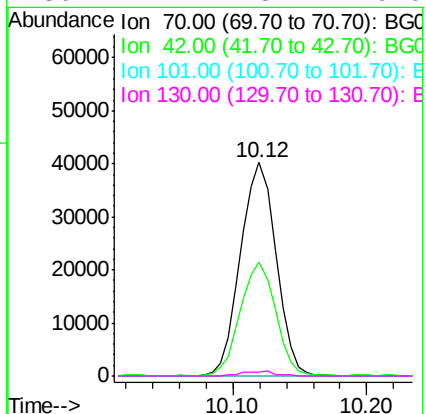
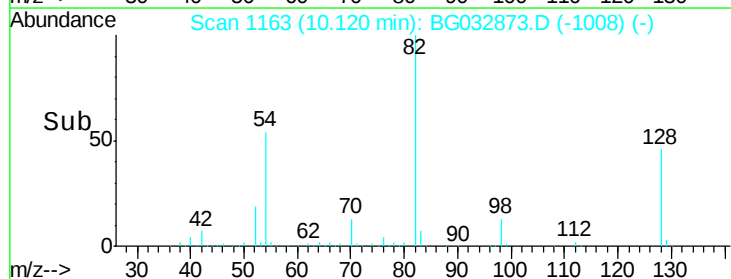
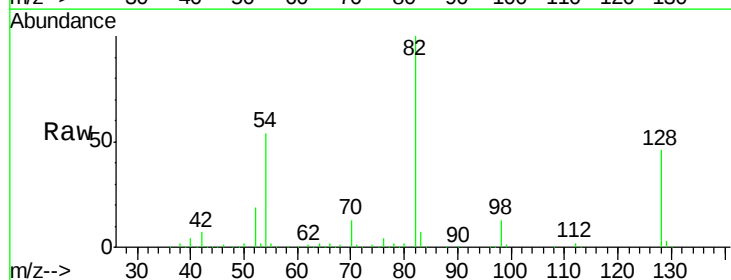
Ion Ratio Lower Upper

70 100

42 53.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

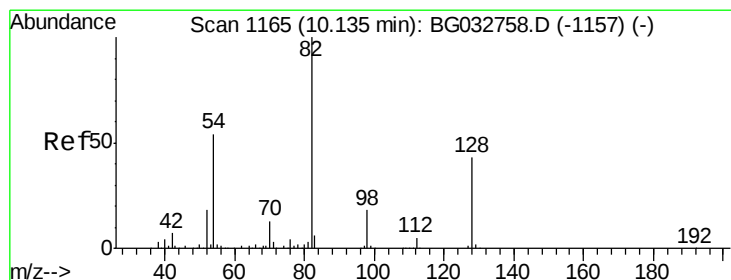
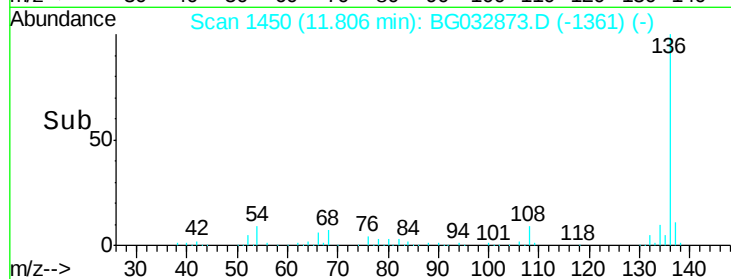
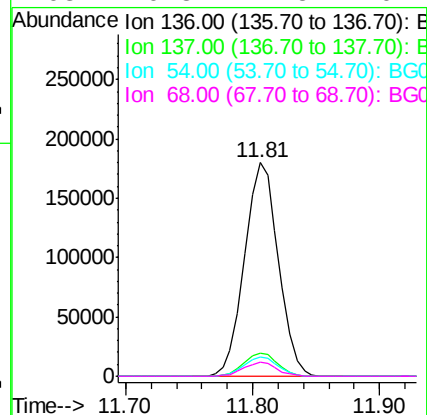
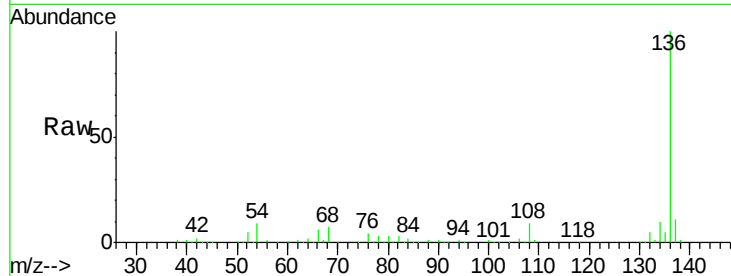




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

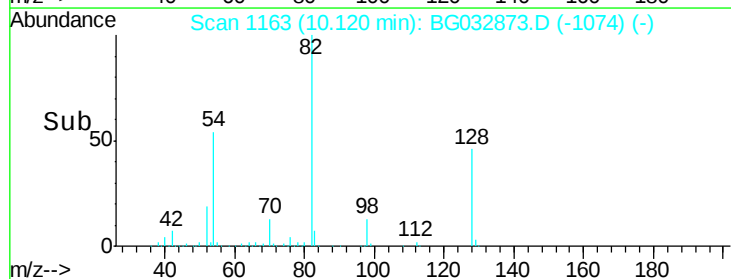
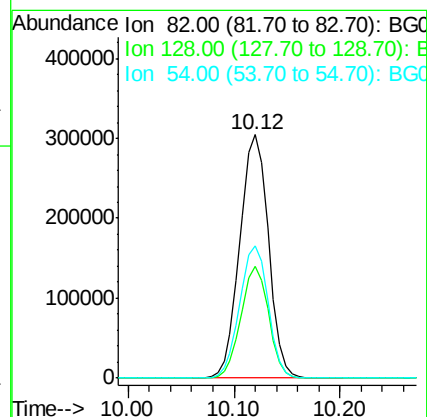
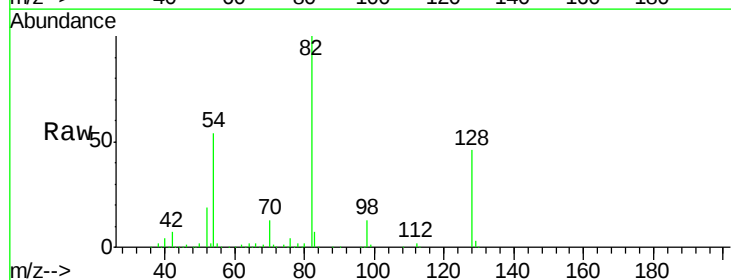
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	332280
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	9.3	10.3 15.5#
68	6.8	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 115.16 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

Tgt Ion: 82	Resp:	570452
Ion Ratio	Lower	Upper
82	100	
128	45.9	29.7 44.5#
54	54.3	43.1 64.7

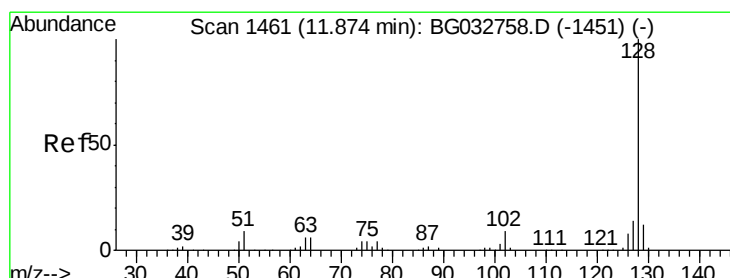
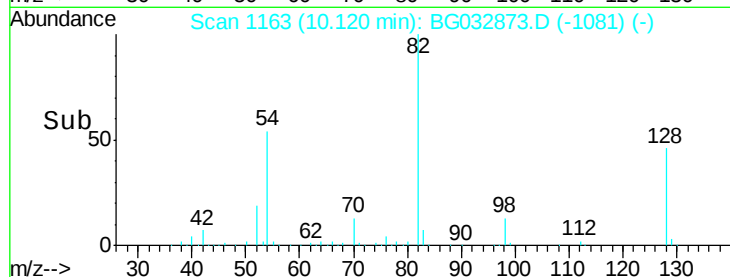
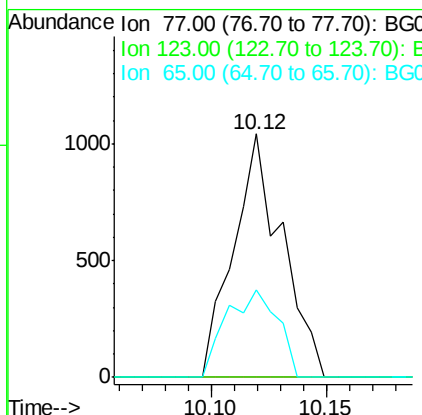
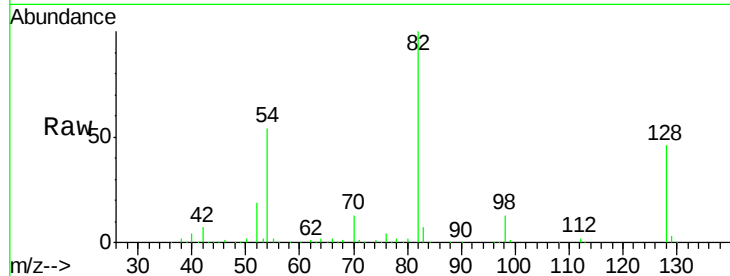




#24
Nitrobenzene
Concen: 6.63 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.05 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

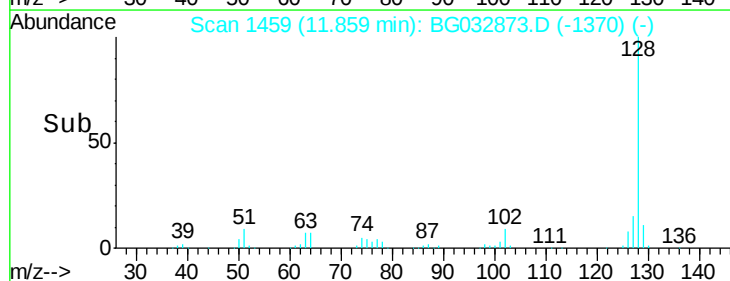
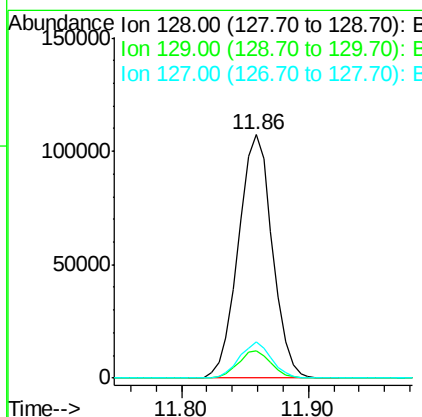
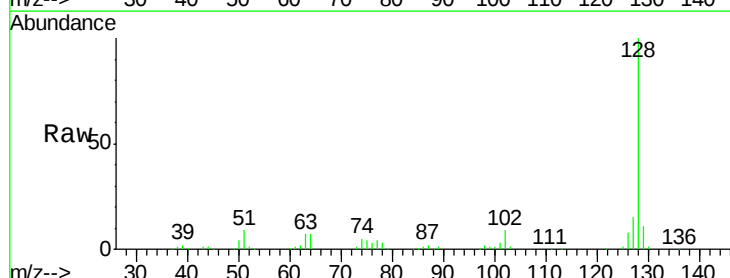
Instrument :
BNA_F
ClientSampled :

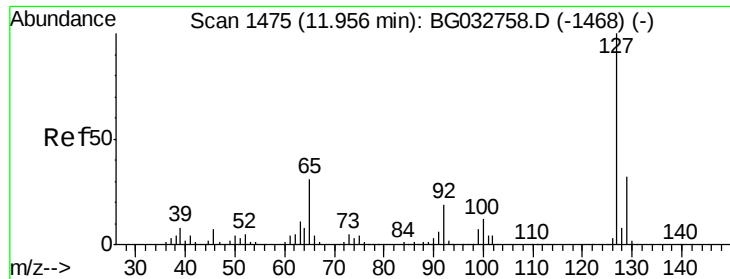
Tot Ion: 77 Resp: 1523
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 36.1 13.0 19.6#



#31
Naphthalene
Concen: 11.43 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

Tgt Ion: 128 Resp: 198372
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 14.8 11.6 17.4

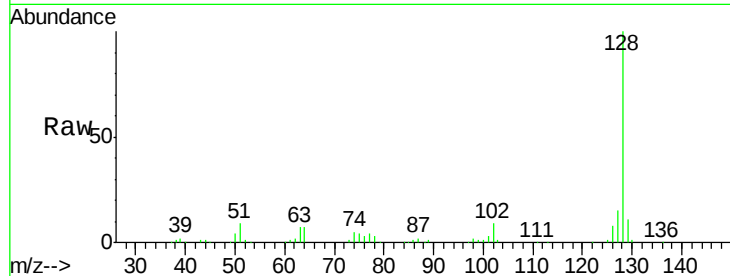




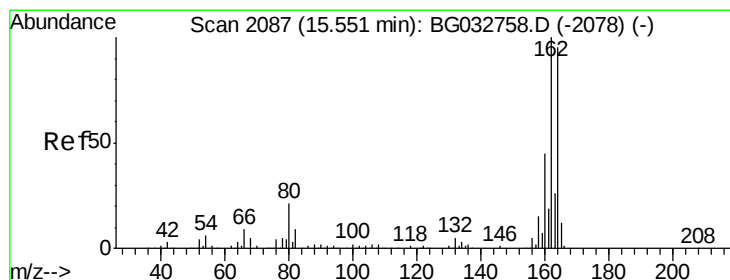
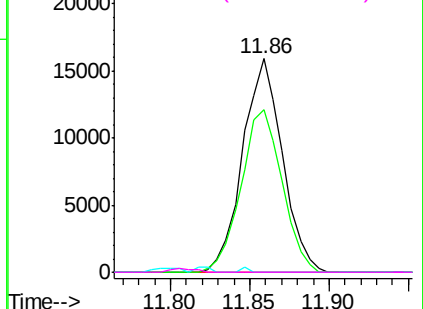
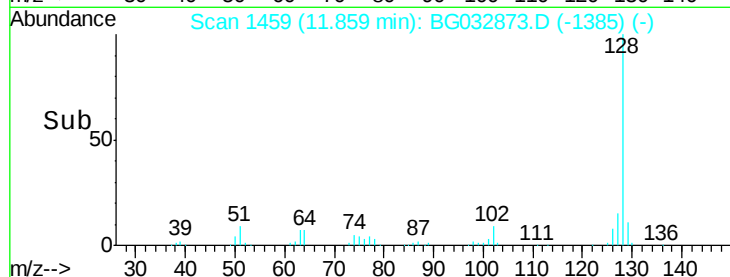
#33
4-Chloroaniline
Concen: 3.56 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.09 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:127 Resp: 27650
Ion Ratio Lower Upper
127 100
129 76.1 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

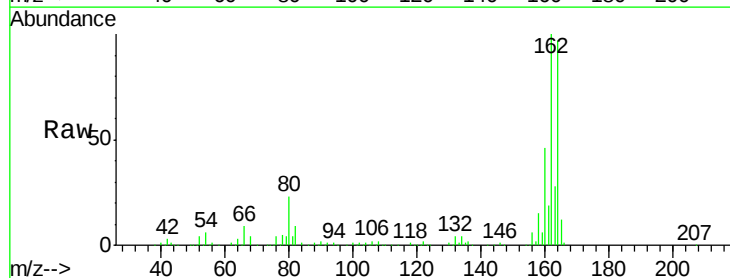


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

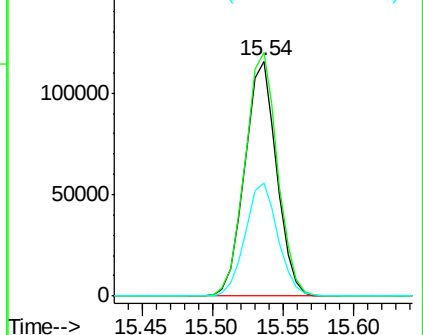
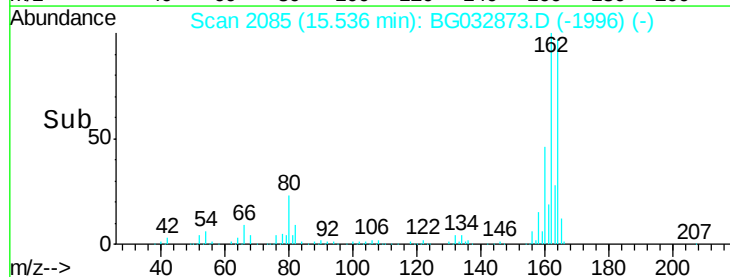


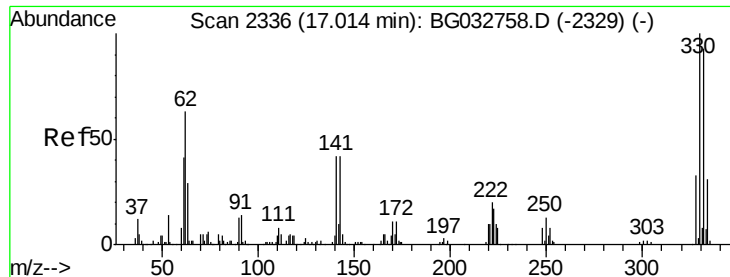
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

Tgt Ion:164 Resp: 182790
Ion Ratio Lower Upper
164 100
162 103.6 78.8 118.2
160 47.9 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

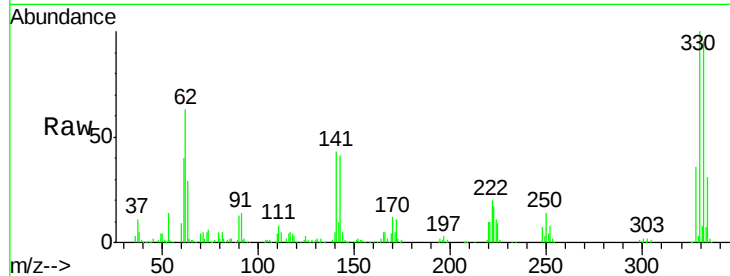




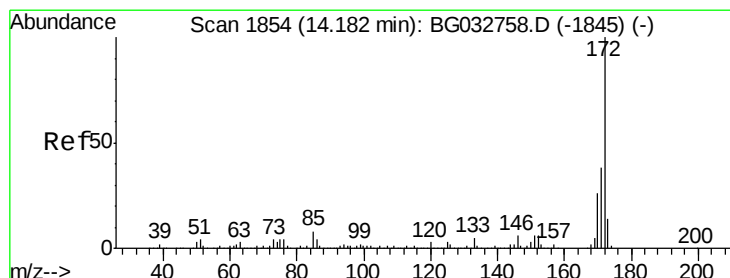
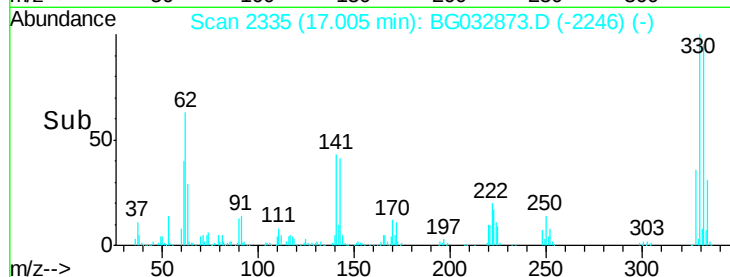
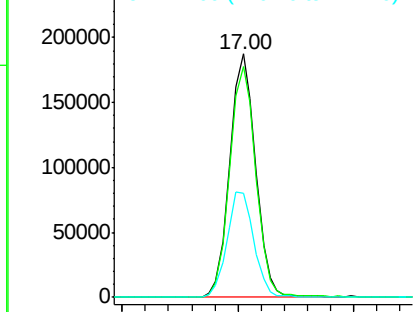
#41
 2,4,6-Tribromophenol
 Concen: 151.68 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032873.D
 Acq: 28 Feb 2018 3:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 291533
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 45.0 25.2 37.8#

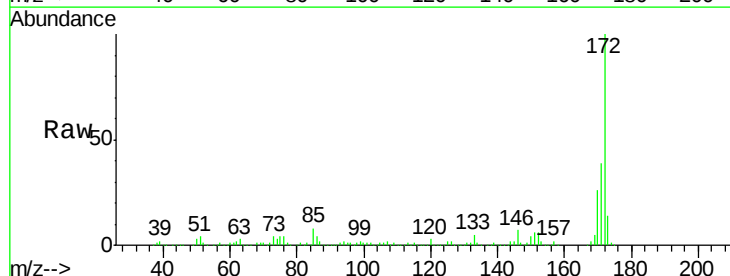


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

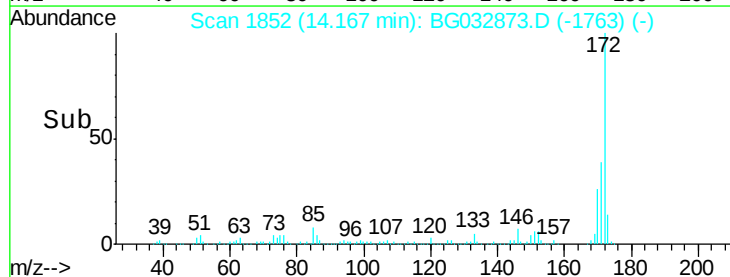
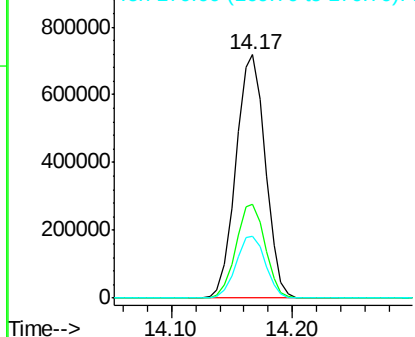


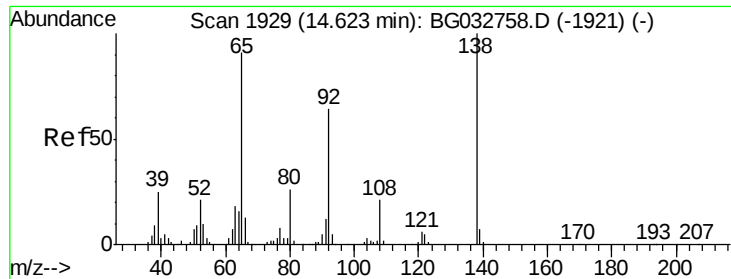
#44
 2-Fluorobiphenyl
 Concen: 96.10 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032873.D
 Acq: 28 Feb 2018 3:24

Tgt Ion:172 Resp: 1217921
 Ion Ratio Lower Upper
 172 100
 171 38.7 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

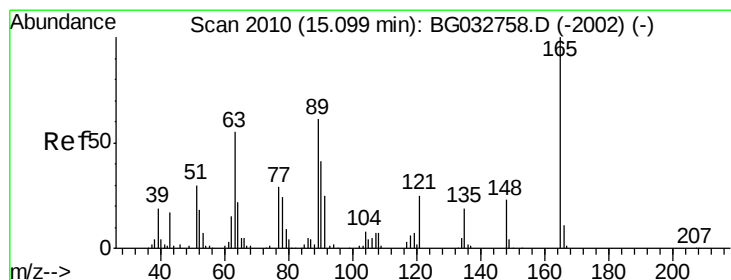
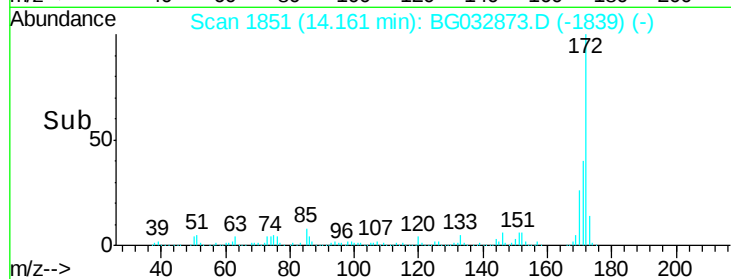
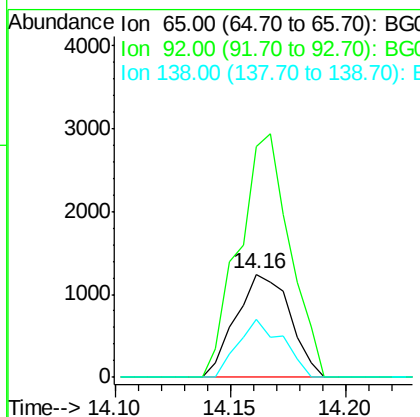
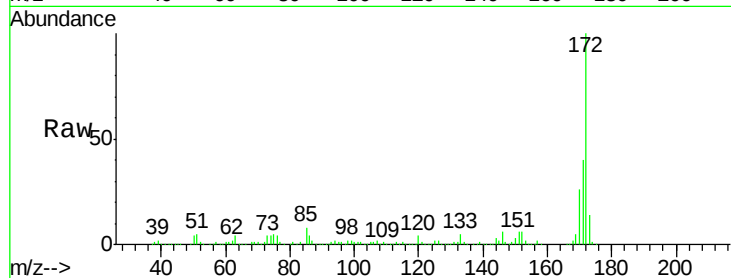




#47
2-Nitroaniline
Concen: 10.37 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.46 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

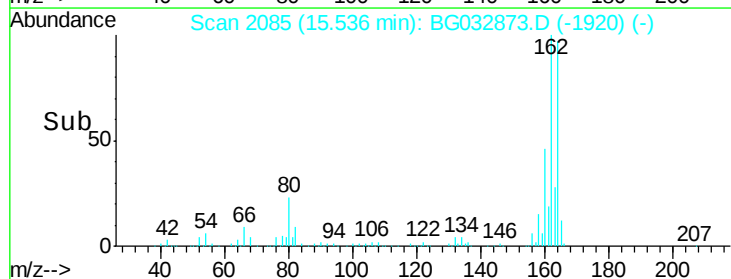
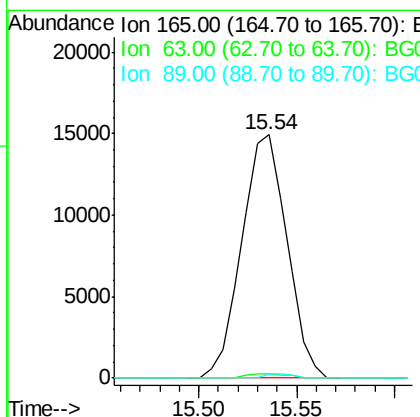
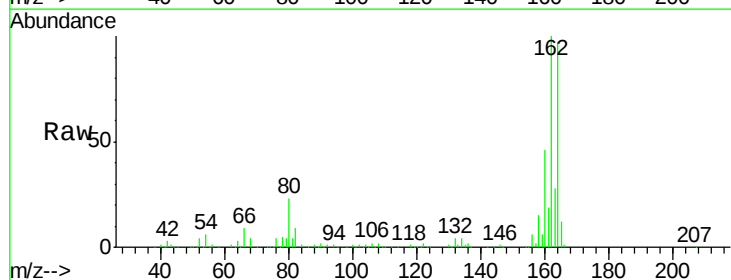
Instrument :
BNA_F
ClientSampleId :

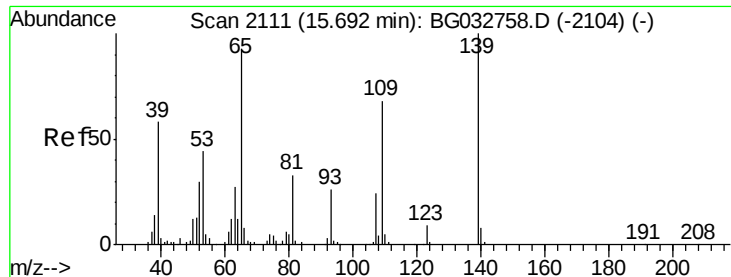
Tot Ion: 65 Resp: 2016
Ion Ratio Lower Upper
65 100
92 224.1 54.6 82.0#
138 56.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.49 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032873.D
Acq: 28 Feb 2018 3:24

Tgt Ion:165 Resp: 23931
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 1.6 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.57 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

Instrument :

BNA_F

ClientSampleId :

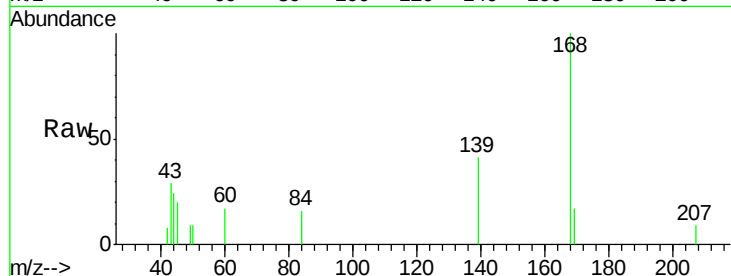
Tot Ion:139 Resp: 1351

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

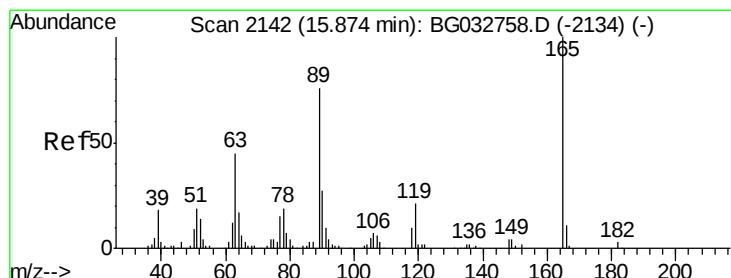
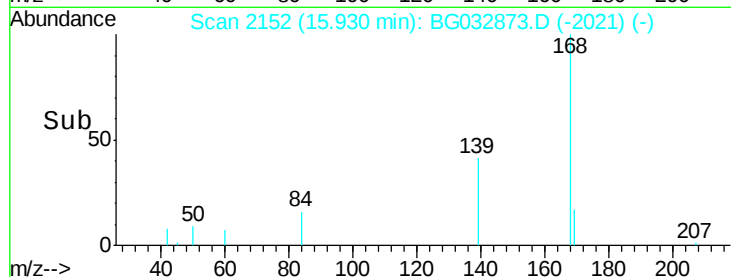
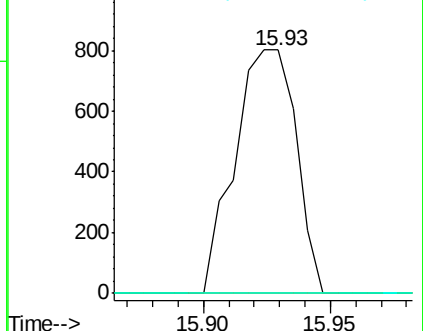
65 0.0 97.2 137.2#



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: 14.69 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

Tgt Ion:165 Resp: 23931

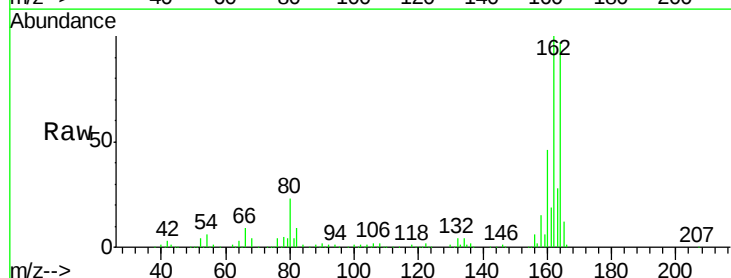
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#

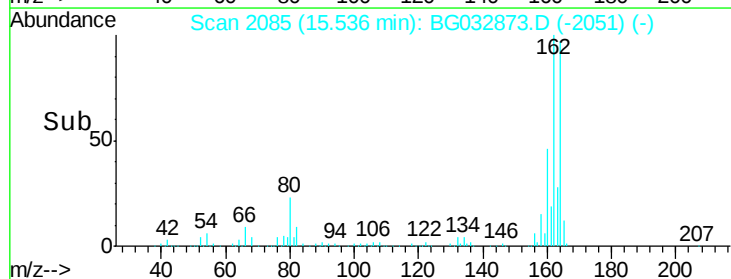
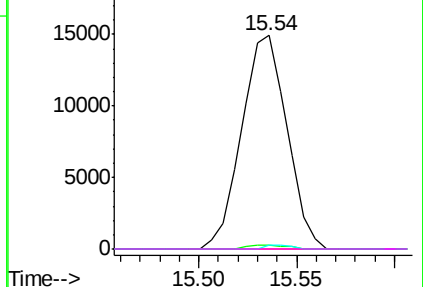


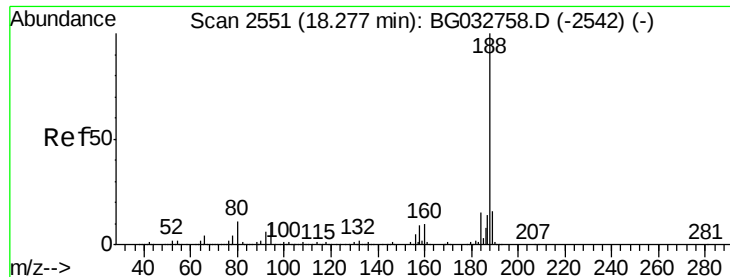
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG032873.D

Acq: 28 Feb 2018 3:24

Instrument :

BNA_F

ClientSampleId :

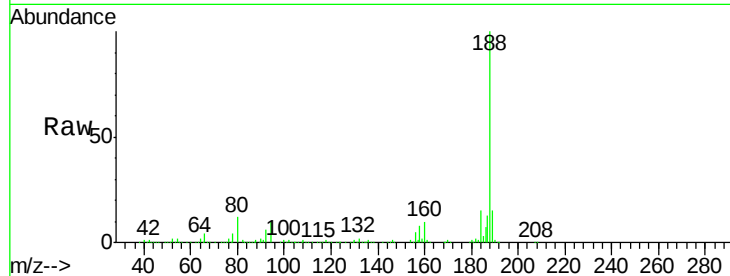
Tot Ion:188 Resp: 416311

Ion Ratio Lower Upper

188 100

94 10.3 6.9 10.3

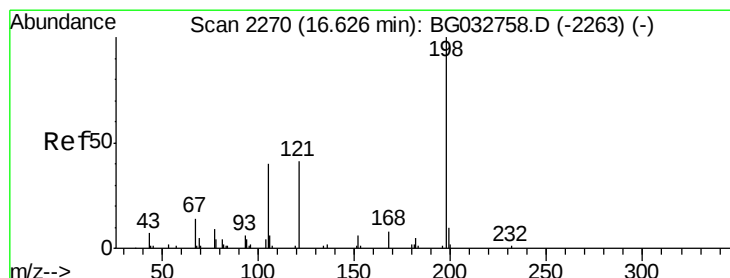
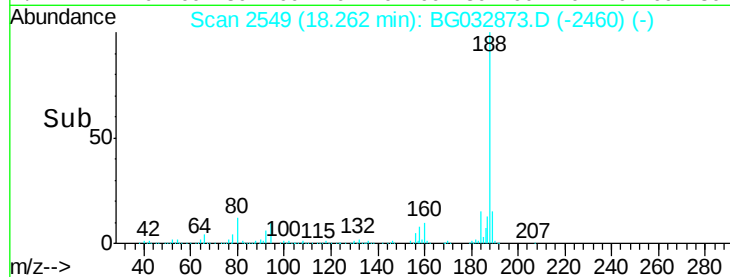
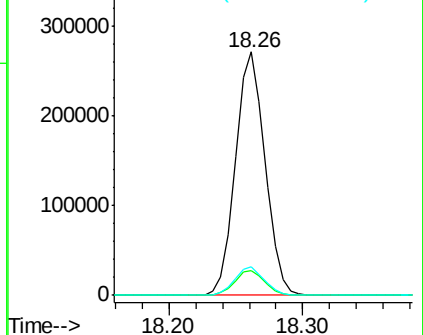
80 11.8 7.7 11.5#



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: 5.72 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

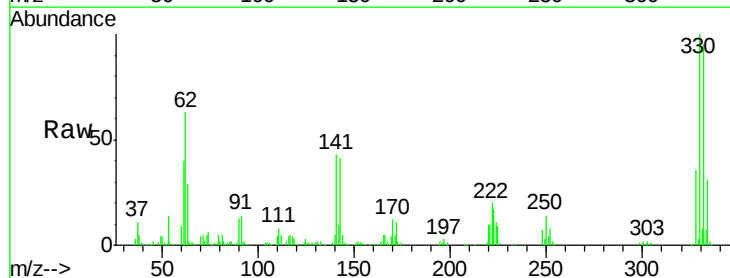
Tgt Ion:198 Resp: 755

Ion Ratio Lower Upper

198 100

51 165.6 30.6 70.6#

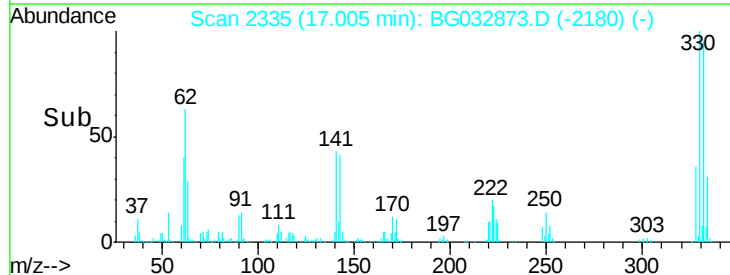
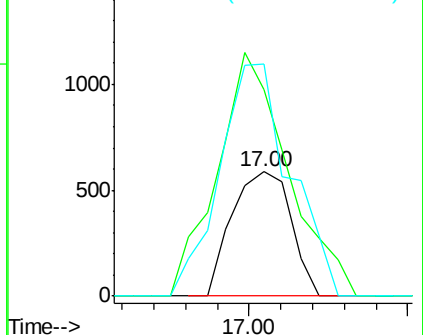
105 186.1 23.8 63.8#

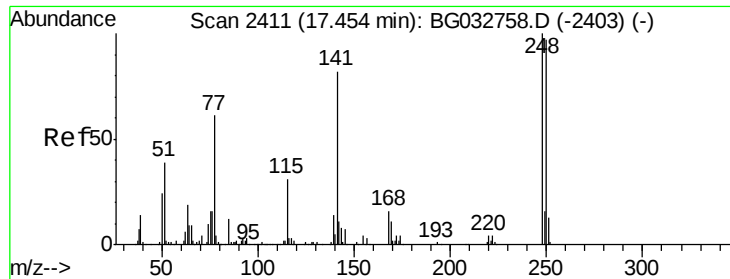


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

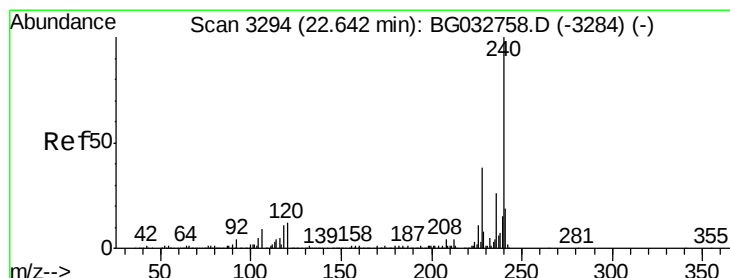
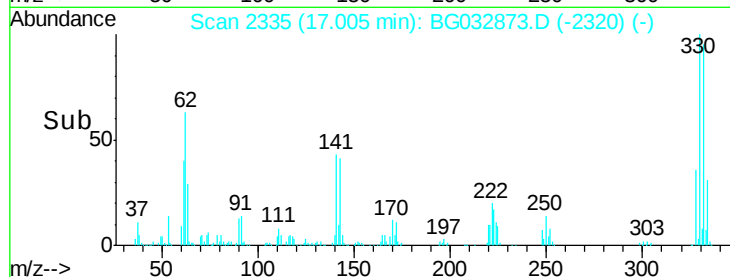
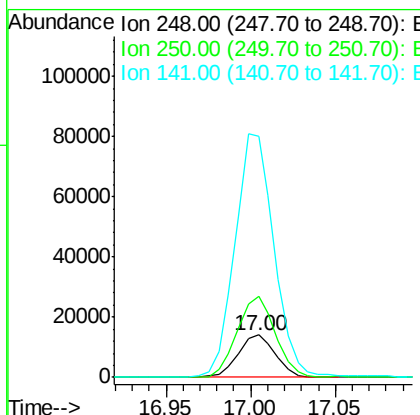
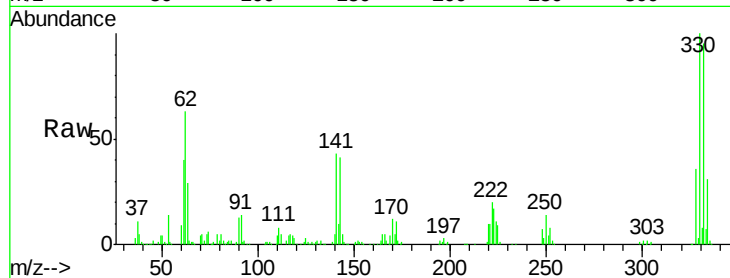




#66
 4-Bromophenyl-phenylether
 Concen: 4.92 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032873.D
 Acq: 28 Feb 2018 3:24

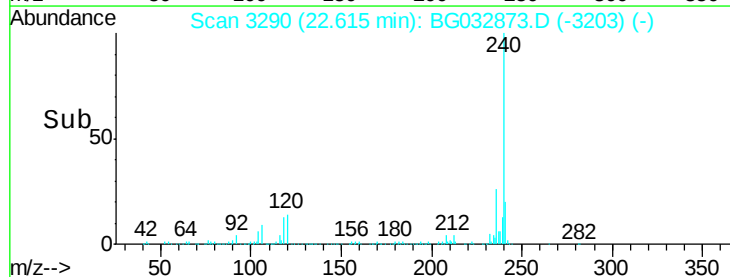
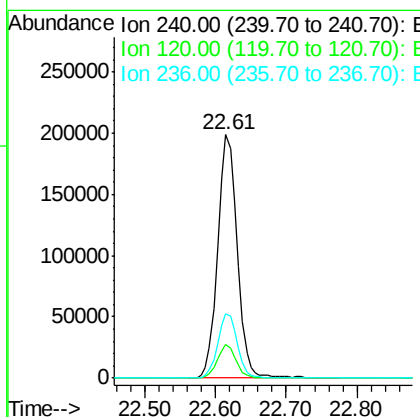
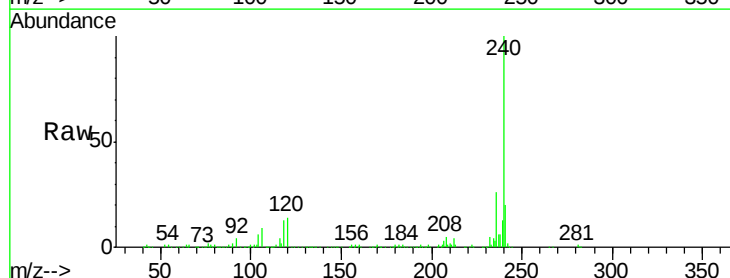
Instrument :
 BNA_F
 ClientSampled :

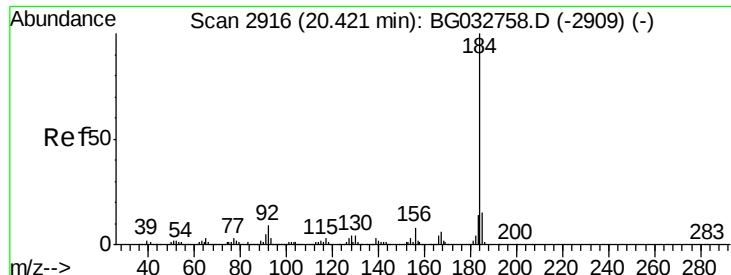
Tot Ion:248 Resp: 21665
 Ion Ratio Lower Upper
 248 100
 250 191.8 77.1 115.7#
 141 570.8 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032873.D
 Acq: 28 Feb 2018 3:24

Tgt Ion:240 Resp: 382354
 Ion Ratio Lower Upper
 240 100
 120 13.6 6.8 10.2#
 236 26.3 20.9 31.3





#76

Benzidine

Concen: 2.33 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.36 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

Instrument :

BNA_F

ClientSampleId :

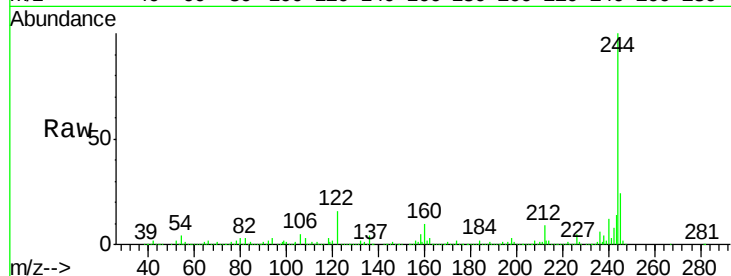
Tot Ion:184 Resp: 30362

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

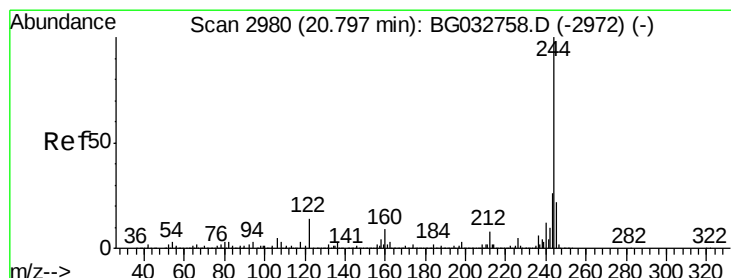
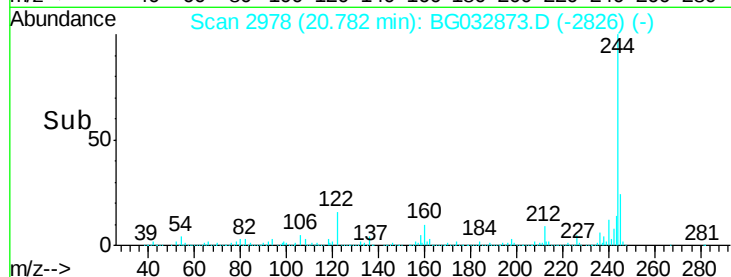
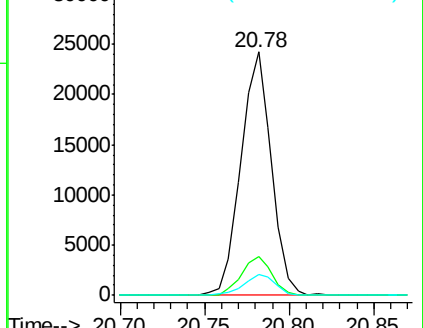
183 8.4 10.6 16.0#



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: 103.20 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG032873.D

Acq: 28 Feb 2018 3:24

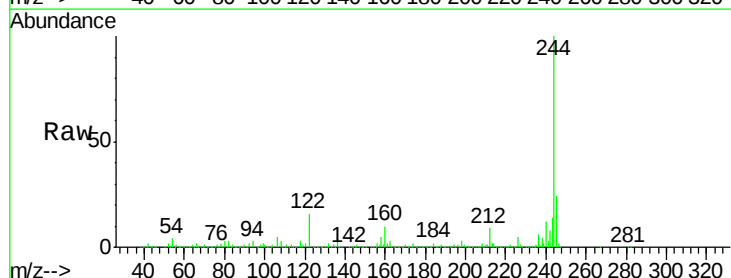
Tgt Ion:244 Resp: 1756323

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

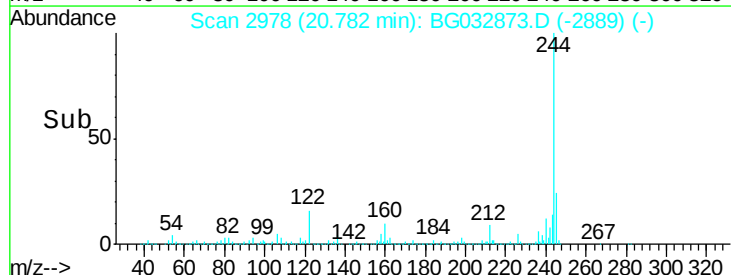
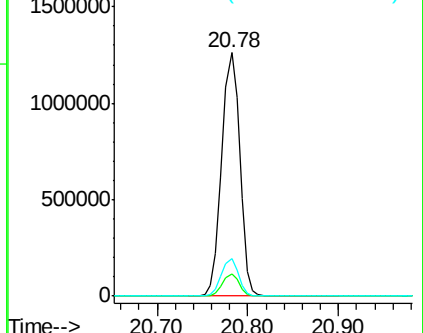
122 15.6 7.0 10.4#

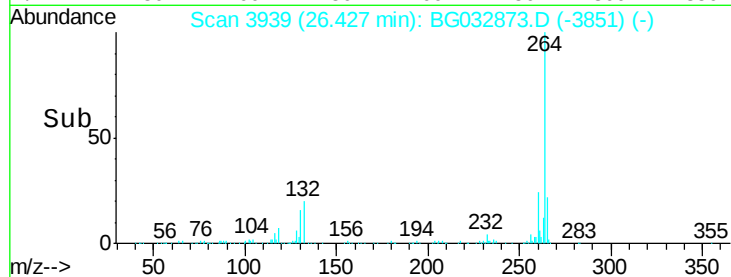
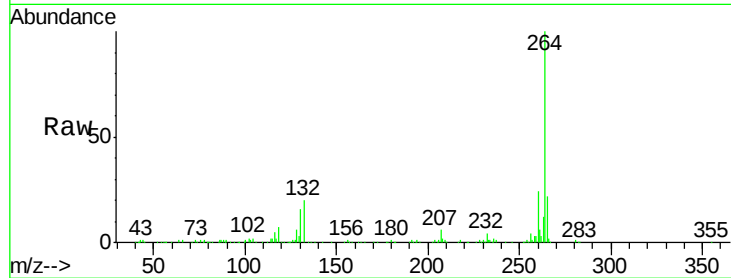
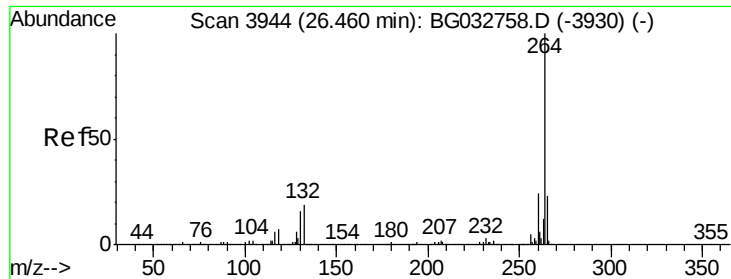


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.43 min Scan# 3939
 Delta R.T. -0.01 min
 Lab File: BG032873.D
 Acq: 28 Feb 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.7	17.7	26.5

