

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032664.D
 Acq On : 13 Feb 2018 17:20
 Operator : SJ/JU
 Sample : J1517-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 03:06:20 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

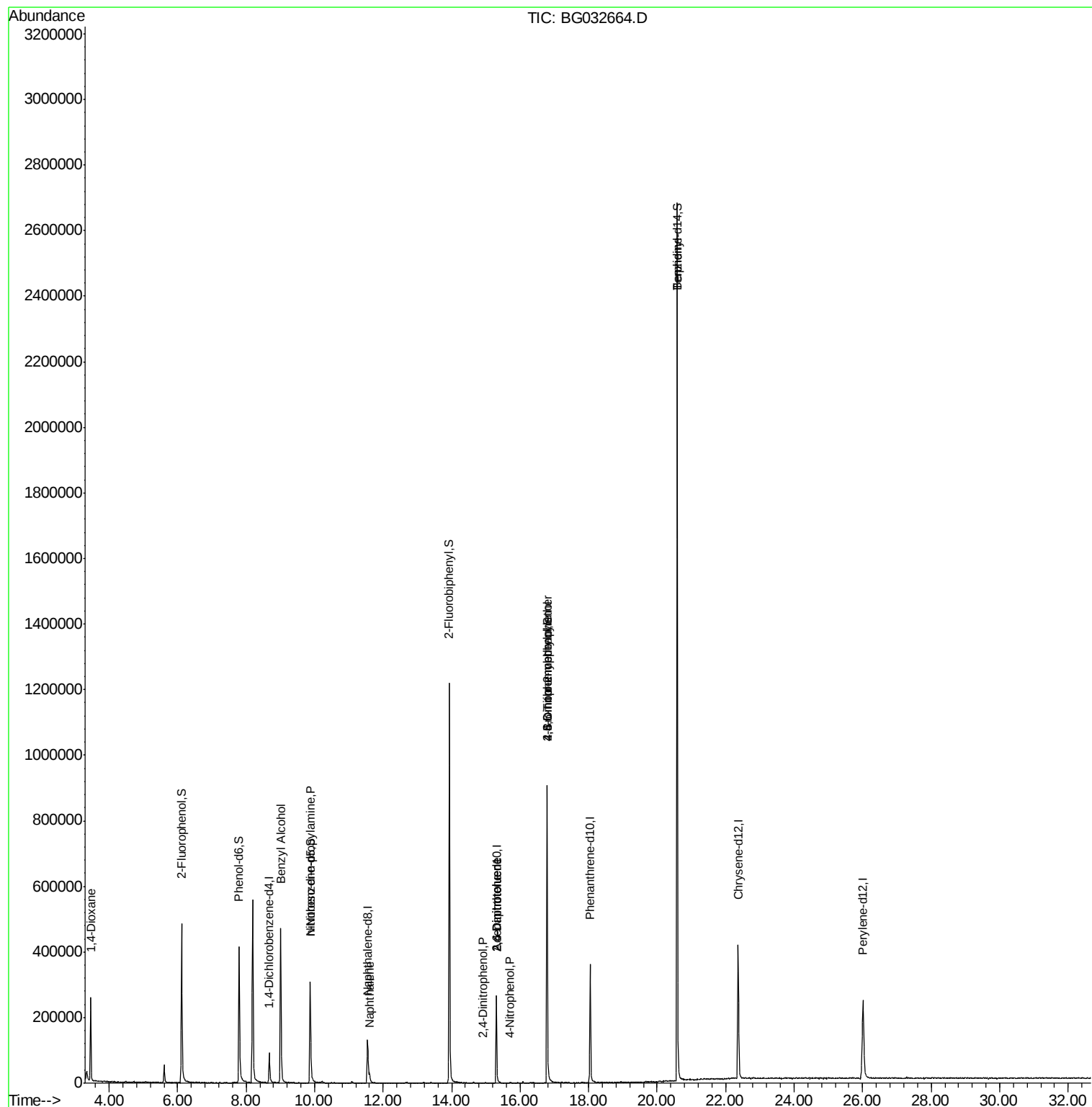
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	34976	20.00	ng	0.00
21) Naphthalene-d8	11.55	136	144247	20.00	ng	0.00
38) Acenaphthene-d10	15.31	164	103110	20.00	ng	0.00
63) Phenanthrene-d10	18.04	188	272070	20.00	ng	0.00
75) Chrysene-d12	22.36	240	350111	20.00	ng	0.00
86) Perylene-d12	26.01	264	352313	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	249741	143.26	ng	0.00
7) Phenol-d6	7.79	99	280206	117.55	ng	0.00
23) Nitrobenzene-d5	9.87	82	225787	99.48	ng	0.00
41) 2,4,6-Tribromophenol	16.79	330	205317	129.32	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	750565	91.03	ng	0.00
78) Terphenyl-d14	20.59	244	1517043	98.76	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.46	88	3069	4.21	ng	# 1
15) Benzyl Alcohol	9.01	79	4422	2.48	ng	# 39
19) n-Nitroso-di-n-propylamine	9.87	70	31771	19.83	ng	# 75
31) Naphthalene	11.60	128	28896	4.13	ng	# 93
50) 2,6-Dinitrotoluene	15.31	165	13230	7.21	ng	# 22
53) 2,4-Dinitrophenol	14.89	184	53	11.51	ng	# 1
55) 4-Nitrophenol	15.71	139	250	5.68	ng	# 1
56) 2,4-Dinitrotoluene	15.31	165	13230	5.23	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.79	198	466	5.23	ng	# 15
66) 4-Bromophenyl-phenylether	16.79	248	18707	4.80	ng	# 1
76) Benzydine	20.59	184	22725	2.76	ng	# 92

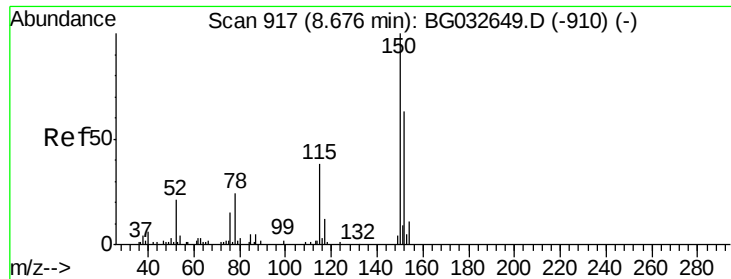
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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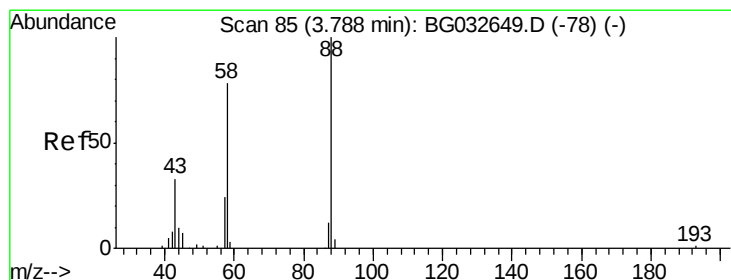
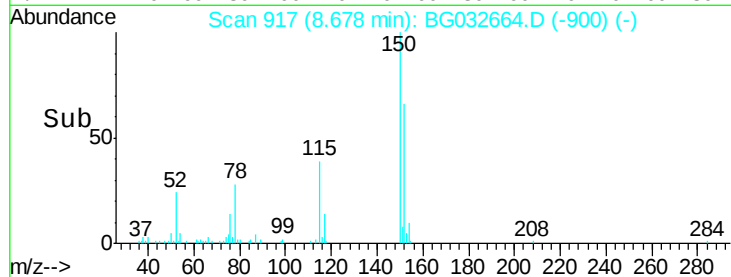
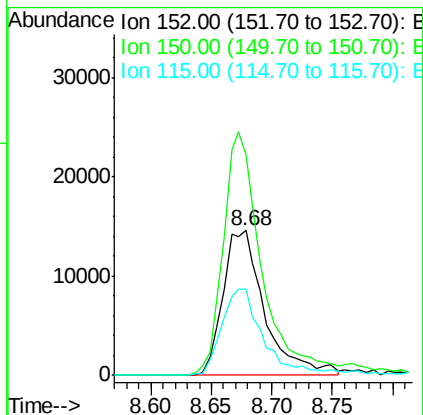
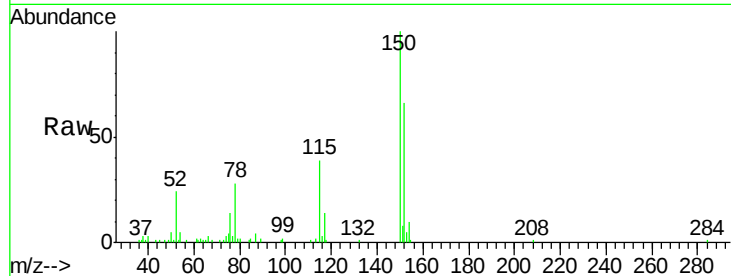


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 917
Delta R.T. 0.00 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Instrument :
BNA_G
ClientSampleId :

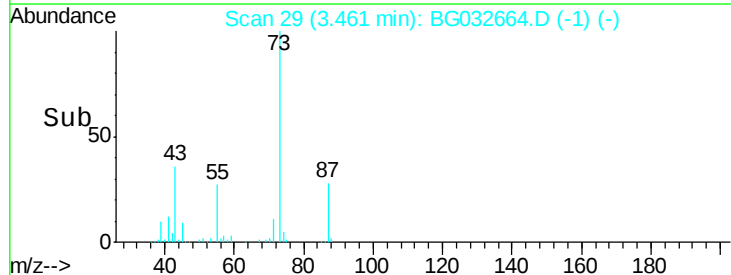
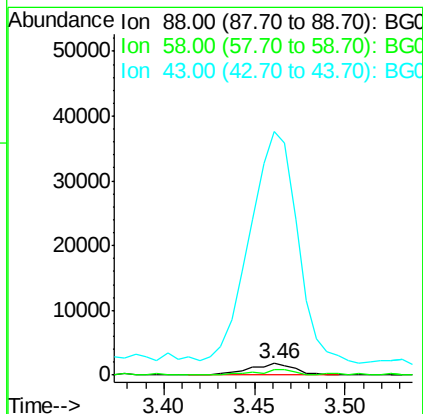
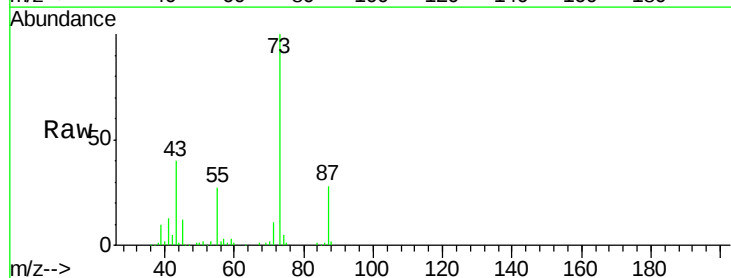
Tot Ion:152 Resp: 34976
Ion Ratio Lower Upper
152 100
150 152.3 126.6 189.8
115 59.7 53.0 79.4

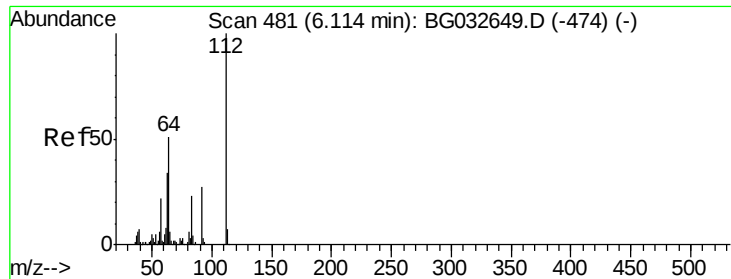


#2

1,4-Dioxane
Concen: 4.21 ng
RT: 3.46 min Scan# 29
Delta R.T. -0.33 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Tgt Ion: 88 Resp: 3069
Ion Ratio Lower Upper
88 100
58 39.2 79.6 119.4#
43 2131.3 27.4 41.0#





#5

2-Fluorophenol

Concen: 143.26 ng

RT: 6.12 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG032664.D

Acq: 13 Feb 2018 17:20

Instrument :

BNA_G

ClientSampleId :

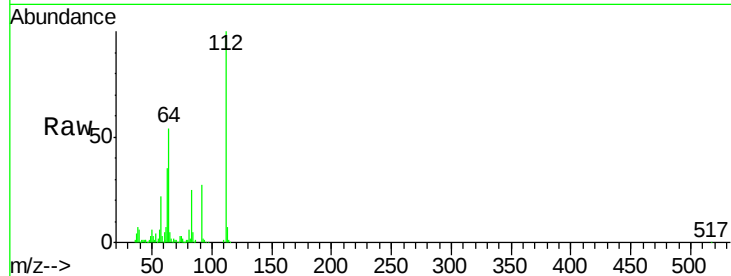
Tot Ion:112 Resp: 249741

Ion Ratio Lower Upper

112 100

64 53.9 56.3 84.5#

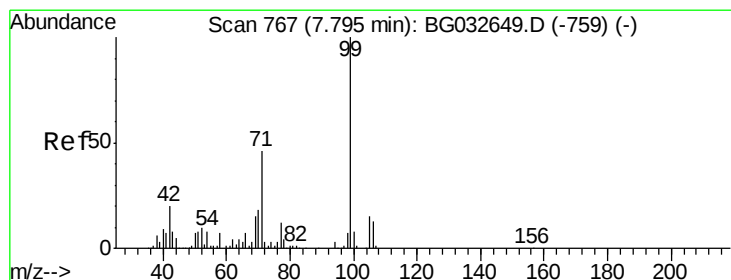
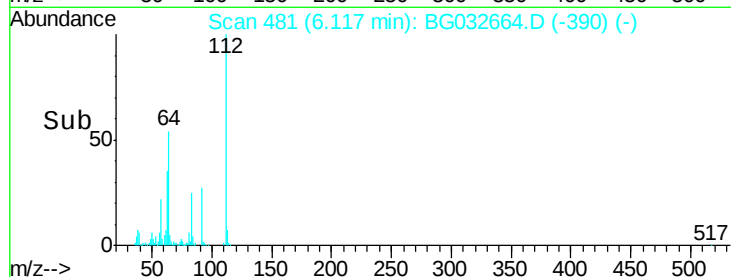
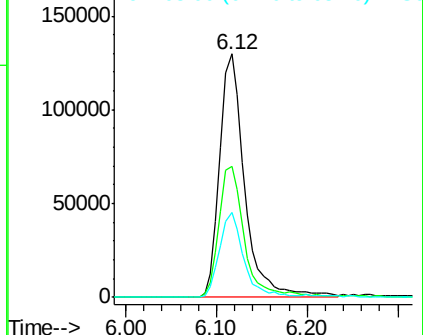
63 34.8 30.1 45.1



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: 117.55 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

Lab File: BG032664.D

Acq: 13 Feb 2018 17:20

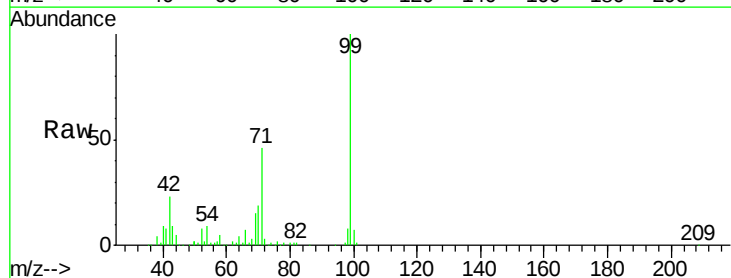
Tgt Ion: 99 Resp: 280206

Ion Ratio Lower Upper

99 100

42 23.4 14.1 21.1#

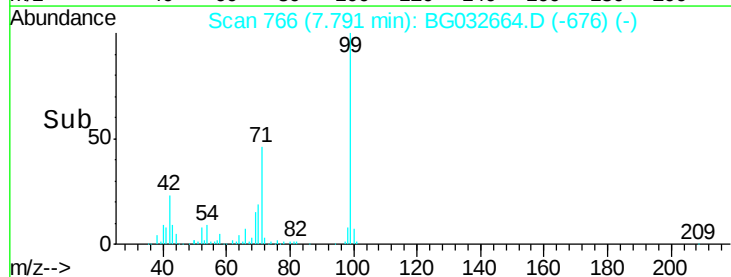
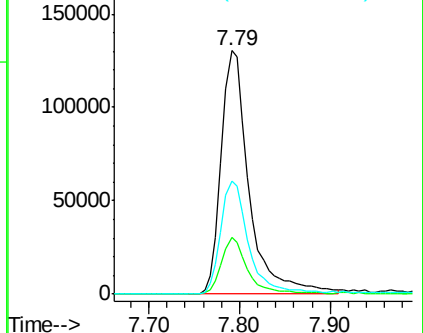
71 46.4 26.1 39.1#

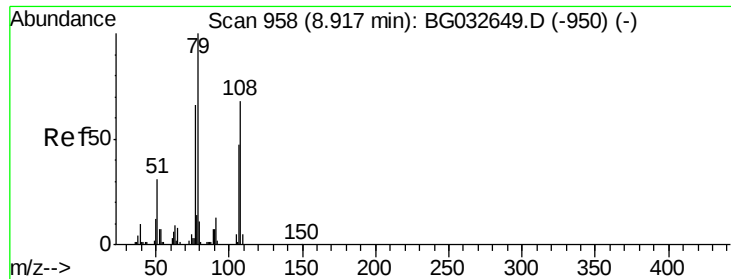


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.48 ng

RT: 9.01 min Scan# 974

Delta R.T. 0.10 min

Lab File: BG032664.D

Acq: 13 Feb 2018 17:20

Instrument :

BNA_G

ClientSampleId :

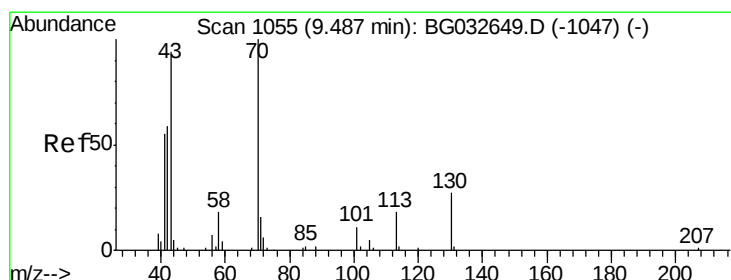
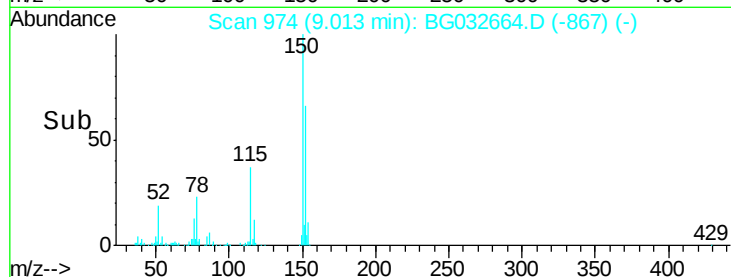
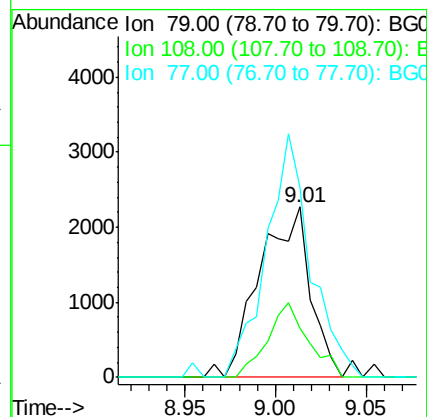
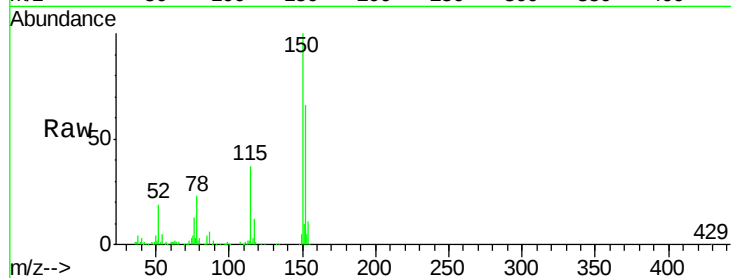
Tot Ion: 79 Resp: 4422

Ion Ratio Lower Upper

79 100

108 28.7 57.2 85.8#

77 111.3 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.83 ng

RT: 9.87 min Scan# 1119

Delta R.T. 0.38 min

Lab File: BG032664.D

Acq: 13 Feb 2018 17:20

Tgt Ion: 70 Resp: 31771

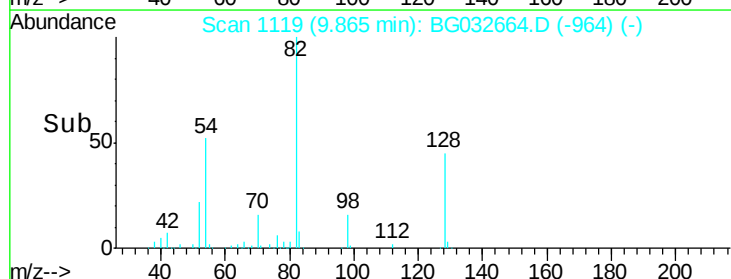
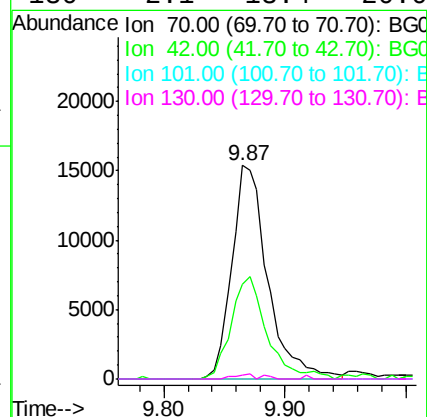
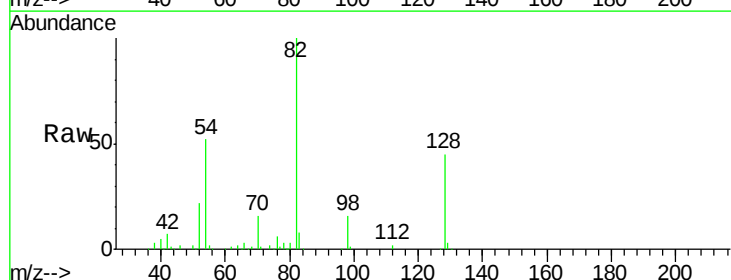
Ion Ratio Lower Upper

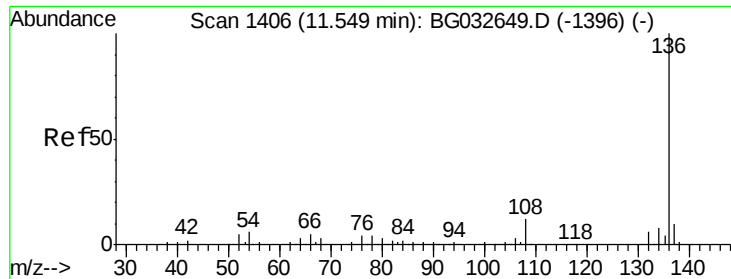
70 100

42 44.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

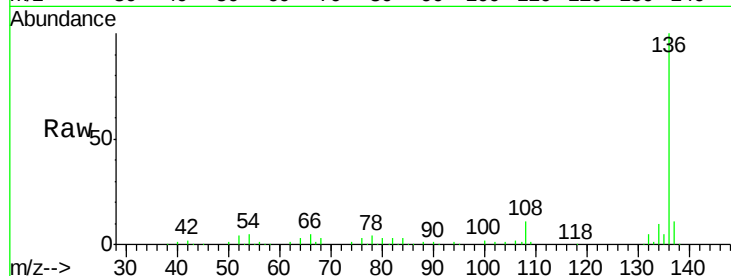




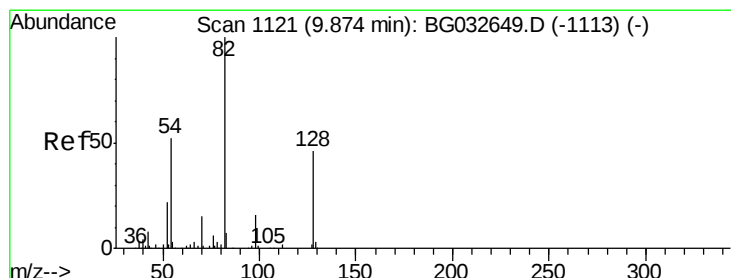
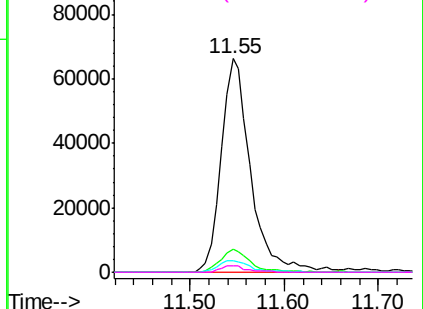
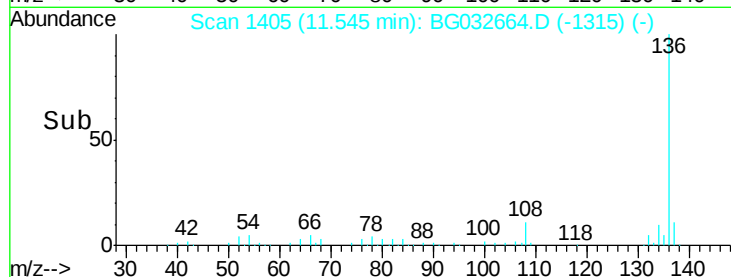
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.55 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	144247
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	5.2	10.3 15.5#
68	2.7	4.5 6.7#

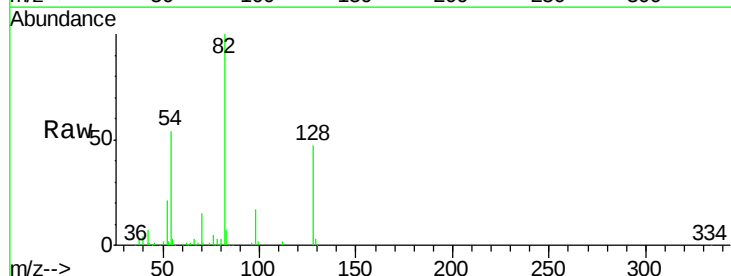


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

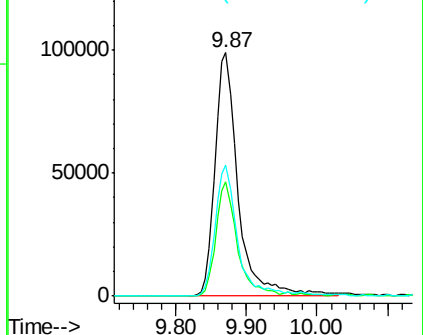
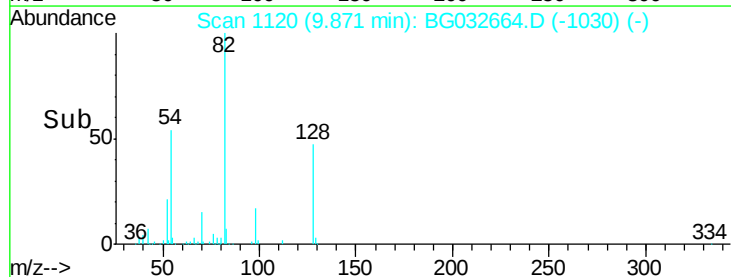


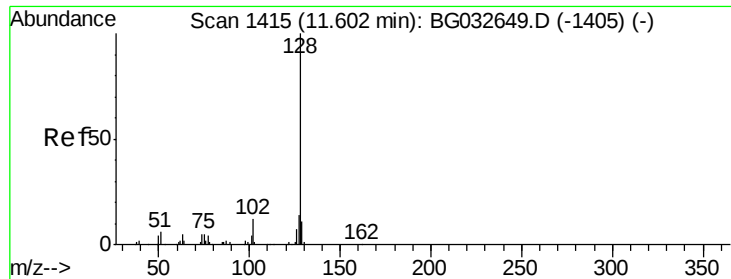
#23
Nitrobenzene-d5
Concen: 99.48 ng
RT: 9.87 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Tgt Ion: 82	Resp:	225787
Ion Ratio	Lower	Upper
82	100	
128	46.8	29.7 44.5#
54	54.0	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

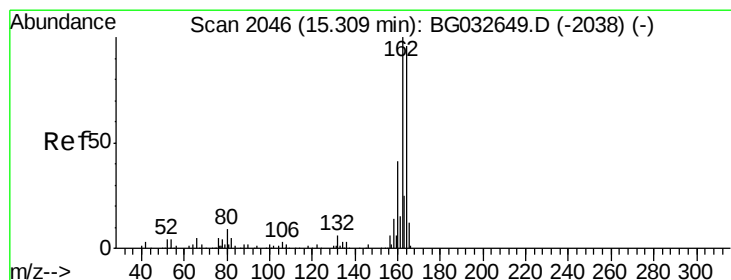
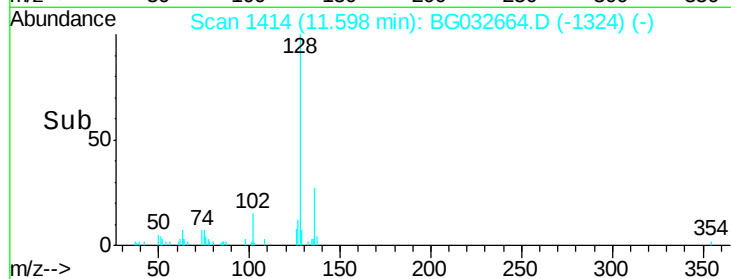
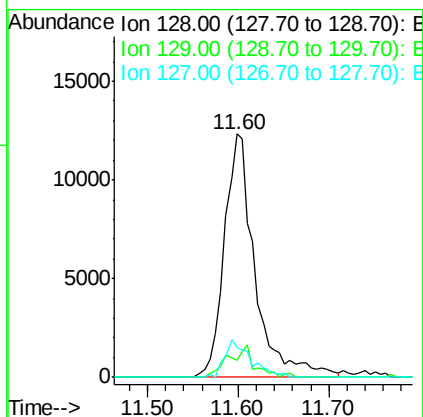
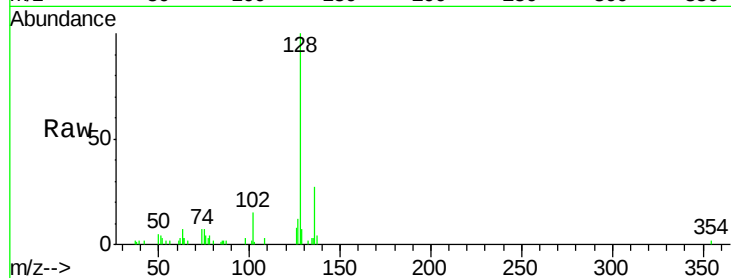




#31
Naphthalene
Concen: 4.13 ng
RT: 11.60 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

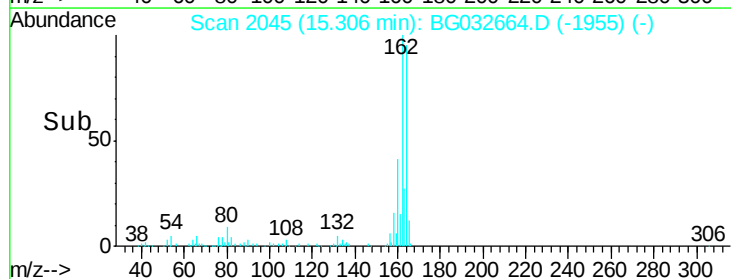
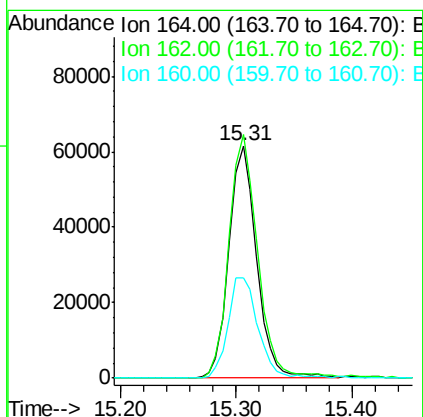
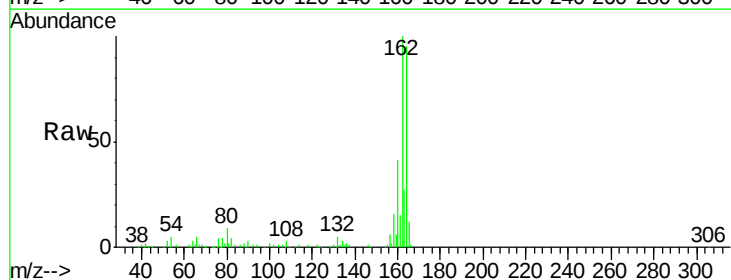
Instrument :
BNA_G
ClientSampleId :

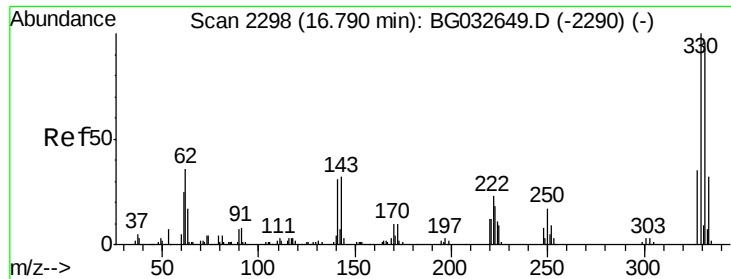
Tot Ion:128 Resp: 28896
Ion Ratio Lower Upper
128 100
129 7.0 8.6 12.8#
127 12.3 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.31 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Tgt Ion:164 Resp: 103110
Ion Ratio Lower Upper
164 100
162 104.8 78.8 118.2
160 43.3 35.4 53.0

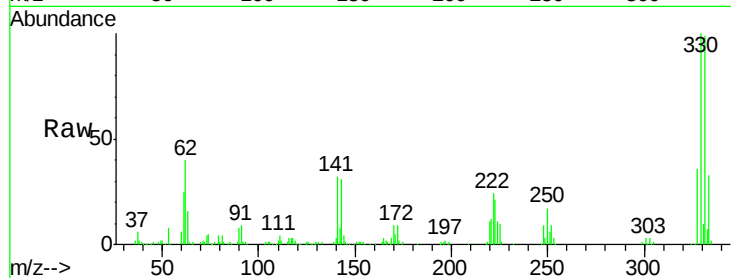




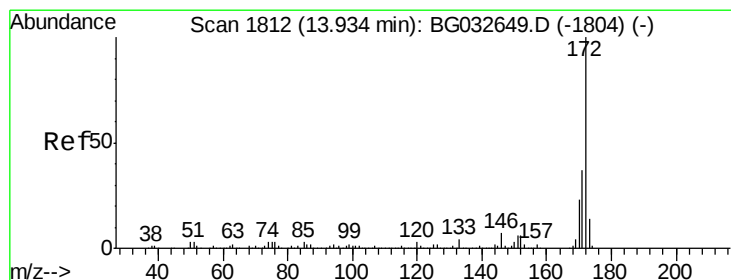
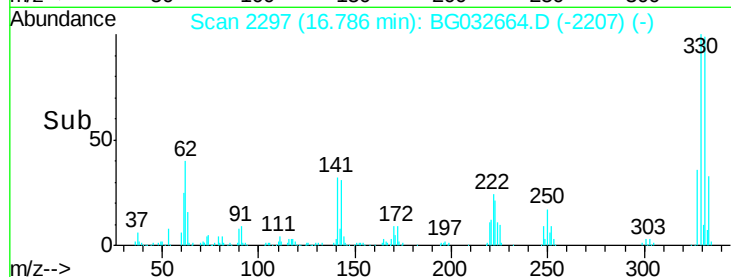
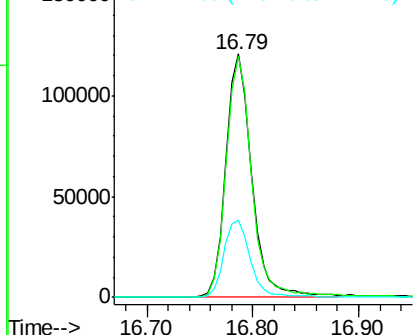
#41
 2,4,6-Tribromophenol
 Concen: 129.32 ng
 RT: 16.79 min Scan# 2297
 Delta R.T. -0.00 min
 Lab File: BG032664.D
 Acq: 13 Feb 2018 17:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.0	115.6
141	32.8	25.2	37.8

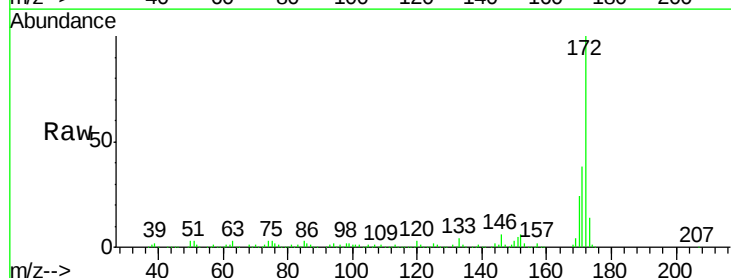


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

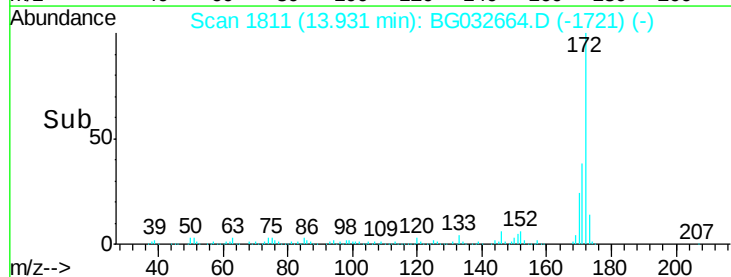
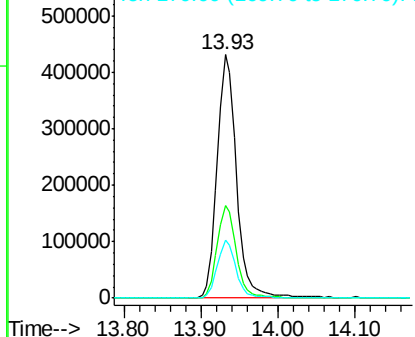


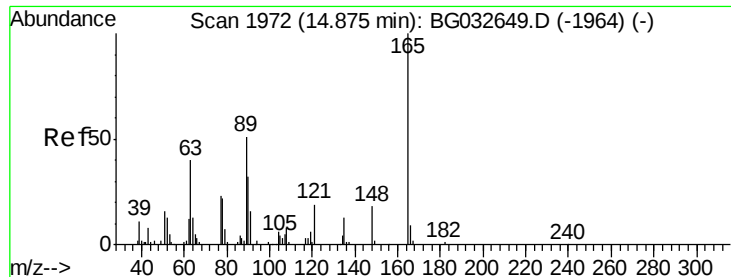
#44
 2-Fluorobiphenyl
 Concen: 91.03 ng
 RT: 13.93 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: BG032664.D
 Acq: 13 Feb 2018 17:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	23.6	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

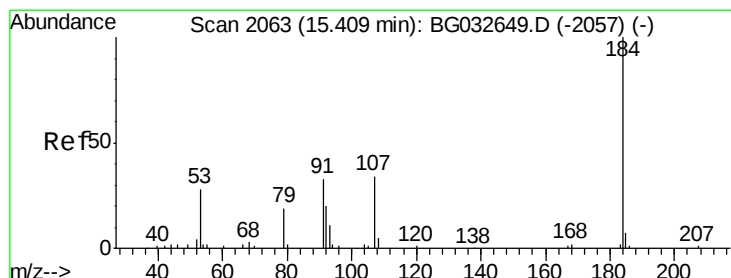
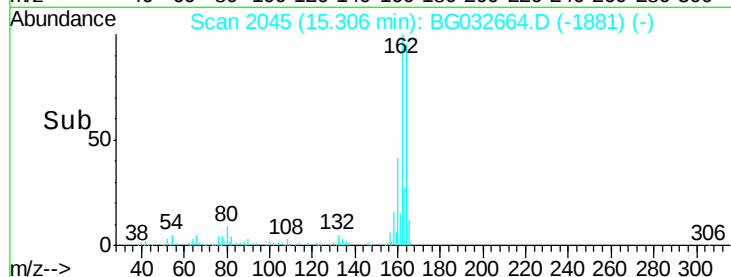
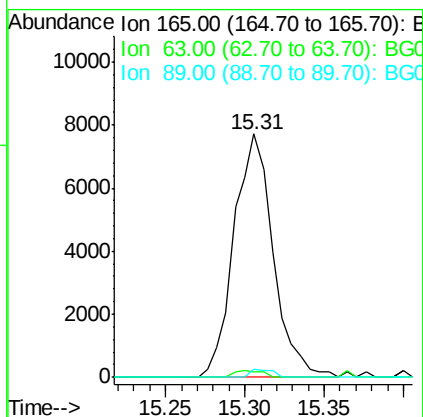
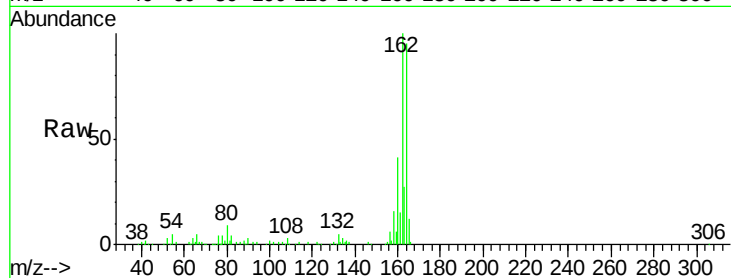




#50
 2,6-Dinitrotoluene
 Concen: 7.21 ng
 RT: 15.31 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032664.D
 Acq: 13 Feb 2018 17:20

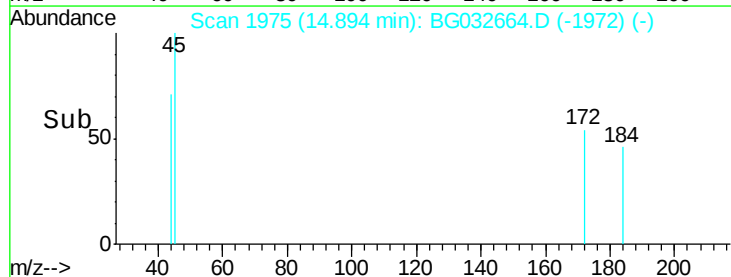
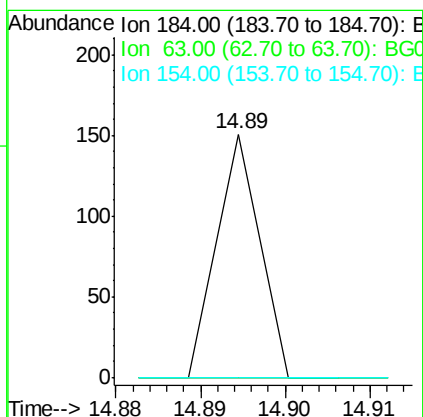
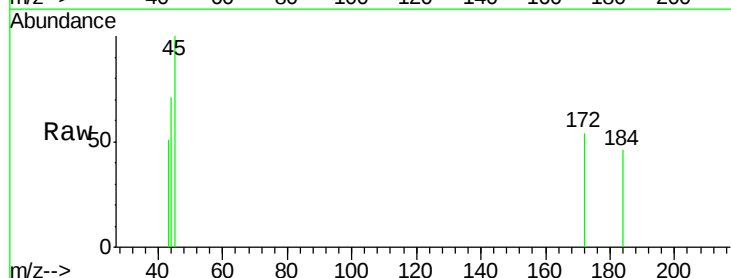
Instrument :
 BNA_G
 ClientSampleId :

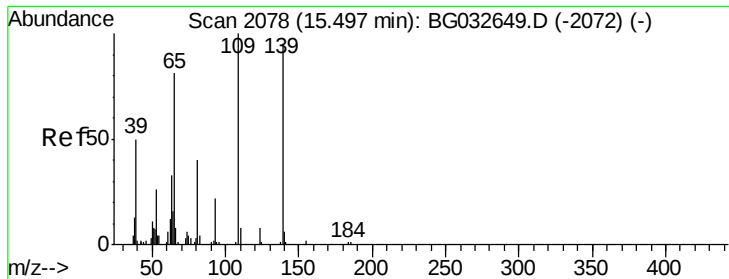
Tot Ion:165 Resp: 13230
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 3.4 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 11.51 ng
 RT: 14.89 min Scan# 1975
 Delta R.T. -0.51 min
 Lab File: BG032664.D
 Acq: 13 Feb 2018 17:20

Tgt Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#





#55

4-Nitrophenol

Concen: 5.68 ng

RT: 15.71 min Scan# 2113

Delta R.T. 0.21 min

Lab File: BG032664.D

Acq: 13 Feb 2018 17:20

Instrument :

BNA_G

ClientSampleId :

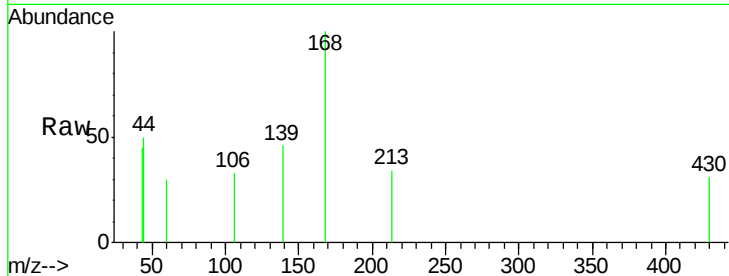
Tot Ion:139 Resp: 250

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

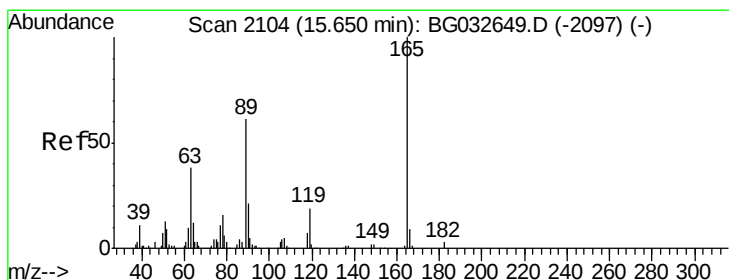
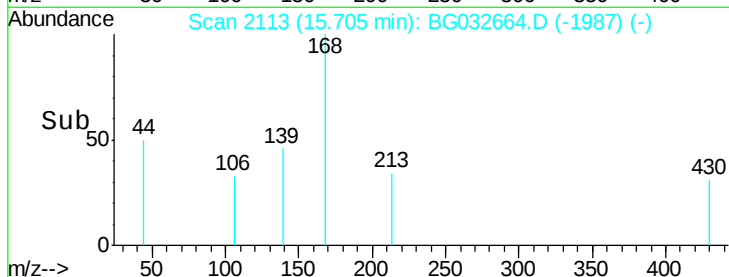
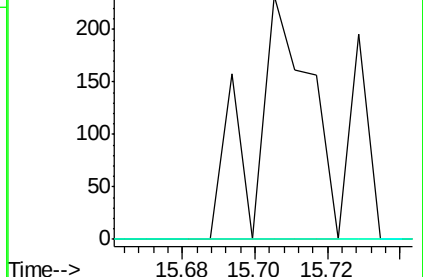
65 0.0 97.2 137.2#



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: 5.23 ng

RT: 15.31 min Scan# 2045

Delta R.T. -0.34 min

Lab File: BG032664.D

Acq: 13 Feb 2018 17:20

Tgt Ion:165 Resp: 13230

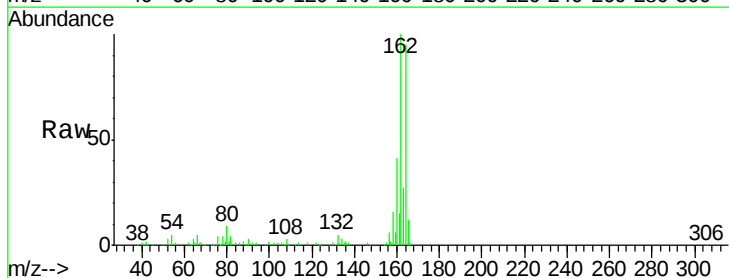
Ion Ratio Lower Upper

165 100

63 2.0 42.0 63.0#

89 3.4 66.9 100.3#

182 0.0 2.6 3.8#

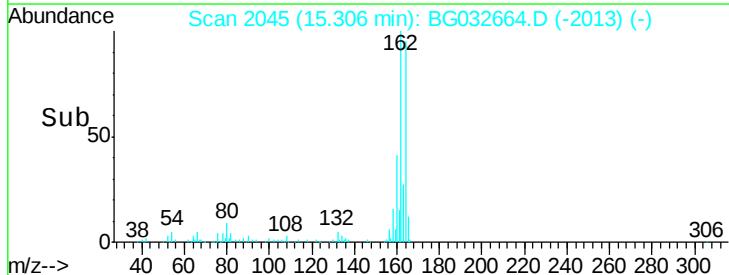
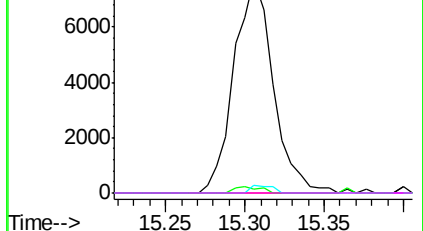


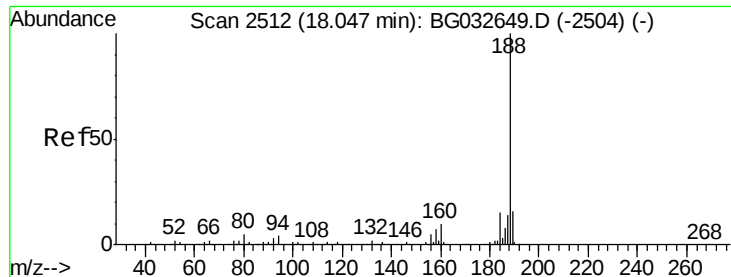
Abundance Ion 165.00 (164.70 to 165.70): E

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

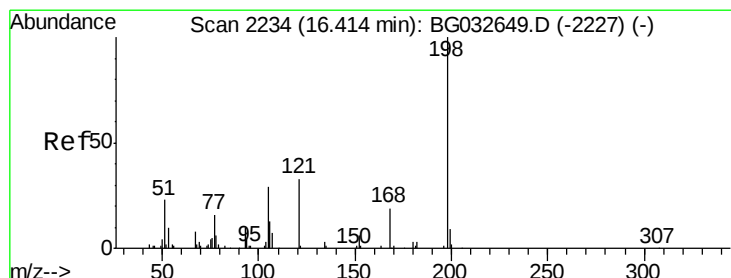
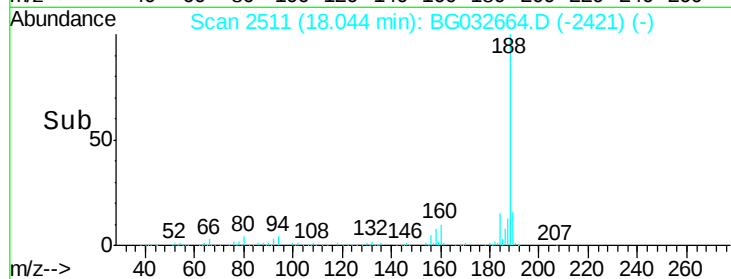
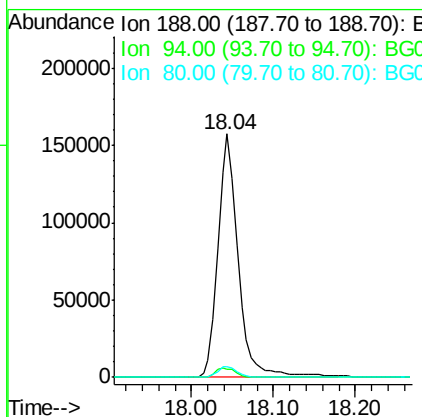
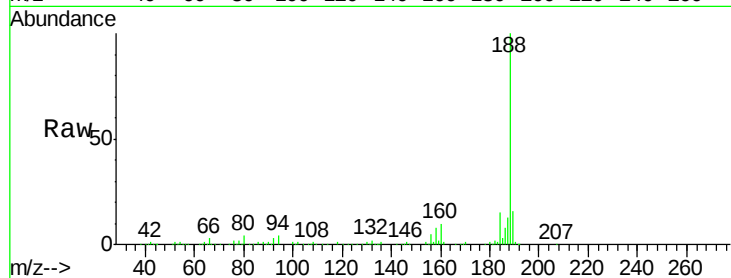




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.04 min Scan# 2511
Delta R.T. -0.00 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

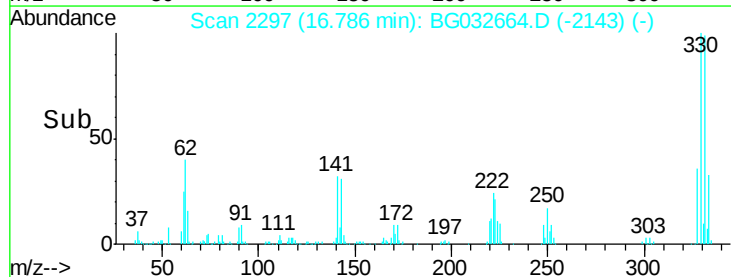
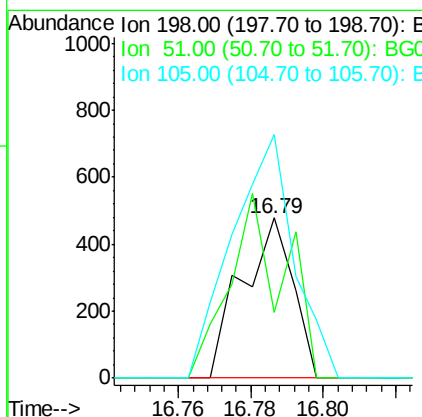
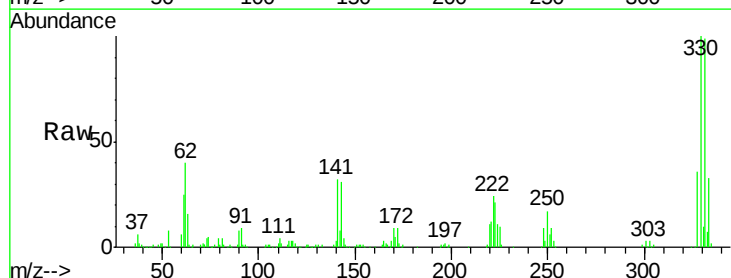
Instrument :
BNA_G
ClientSampleId :

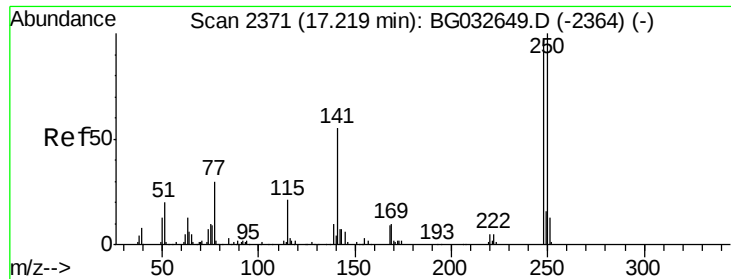
Tot Ion:188 Resp: 272070
Ion Ratio Lower Upper
188 100
94 3.5 6.9 10.3#
80 4.4 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.23 ng
RT: 16.79 min Scan# 2297
Delta R.T. 0.37 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Tgt Ion:198 Resp: 466
Ion Ratio Lower Upper
198 100
51 41.2 30.6 70.6
105 152.1 23.8 63.8#

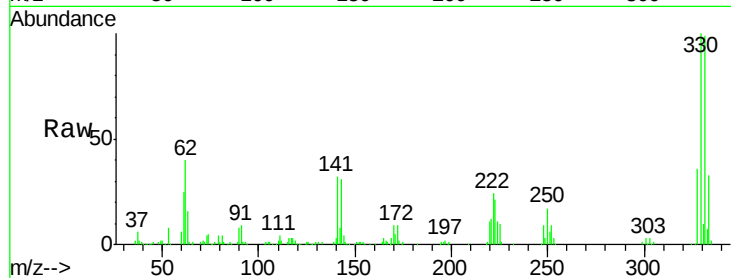




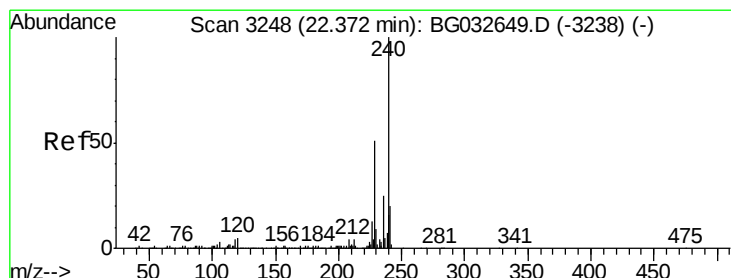
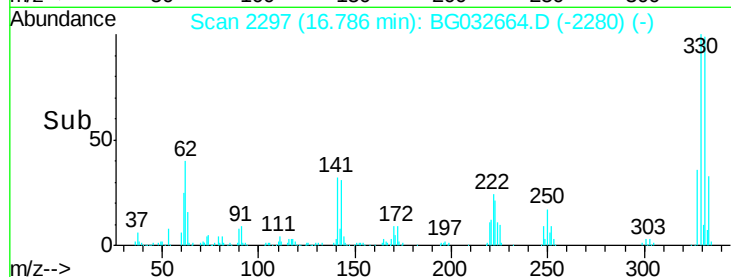
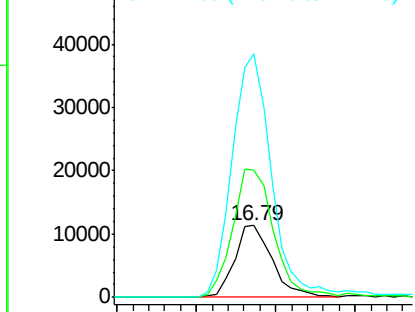
#66
 4-Bromophenyl-phenylether
 Concen: 4.80 ng
 RT: 16.79 min Scan# 2297
 Delta R.T. -0.43 min
 Lab File: BG032664.D
 Acq: 13 Feb 2018 17:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 18707
 Ion Ratio Lower Upper
 248 100
 250 177.4 77.1 115.7#
 141 339.9 50.8 76.2#

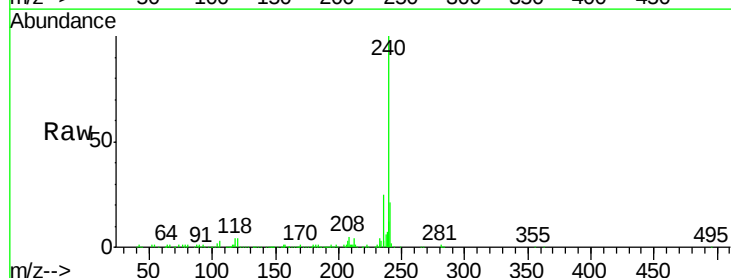


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

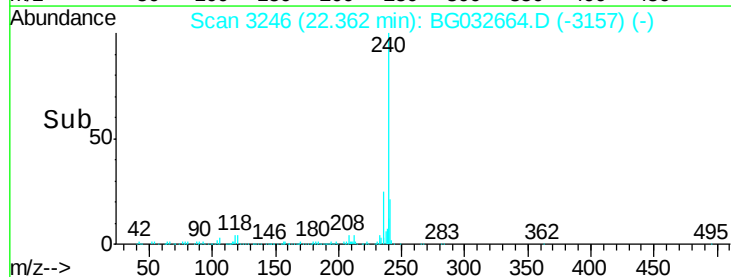
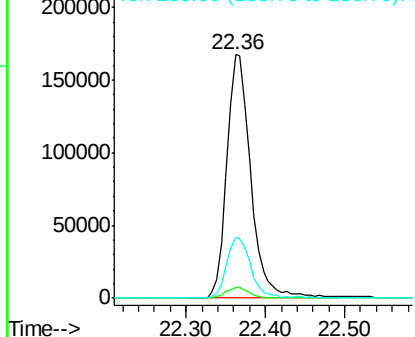


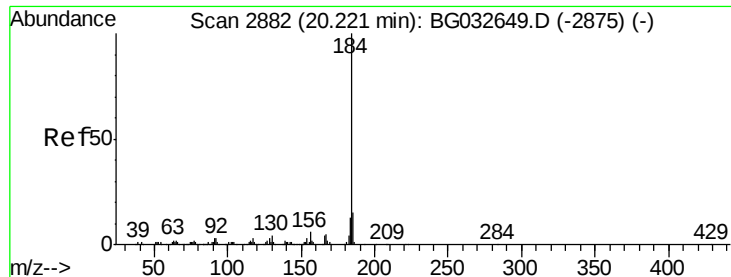
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.36 min Scan# 3246
 Delta R.T. -0.01 min
 Lab File: BG032664.D
 Acq: 13 Feb 2018 17:20

Tgt Ion:240 Resp: 350111
 Ion Ratio Lower Upper
 240 100
 120 4.2 6.8 10.2#
 236 24.6 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

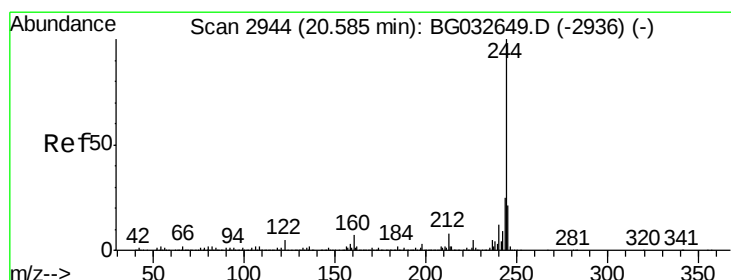
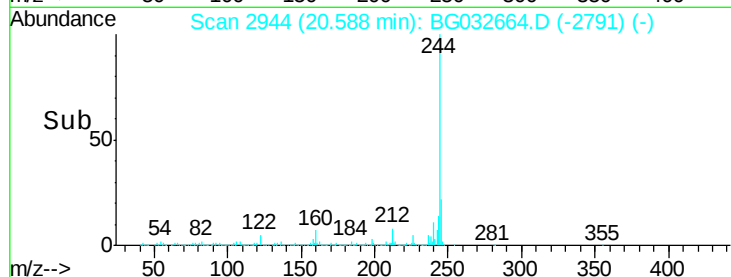
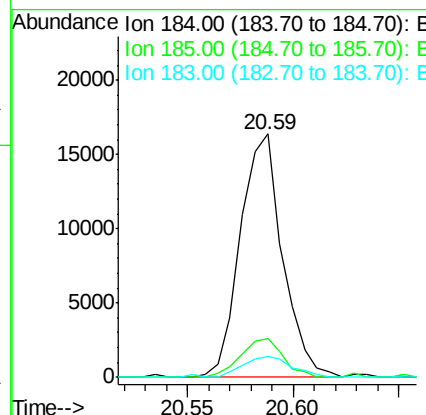
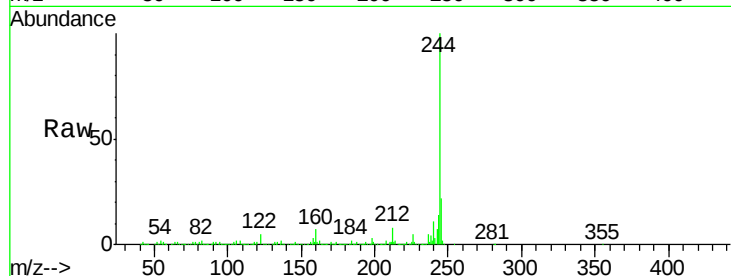




#76
Benzidine
Concen: 2.76 ng
RT: 20.59 min Scan# 2944
Delta R.T. 0.37 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

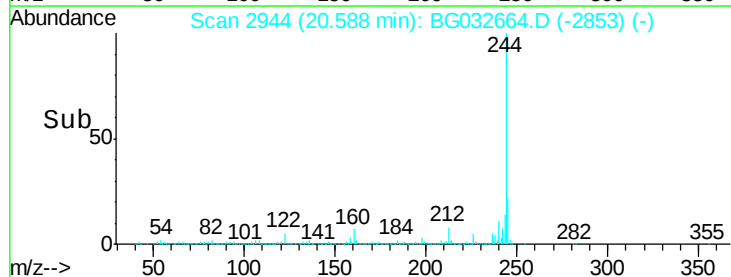
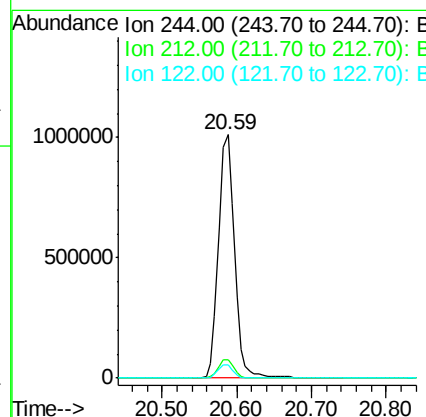
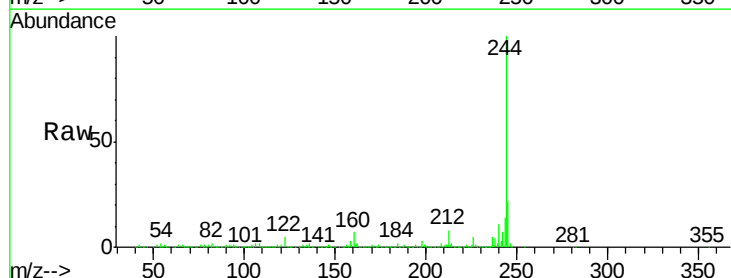
Instrument :
BNA_G
ClientSampleId :

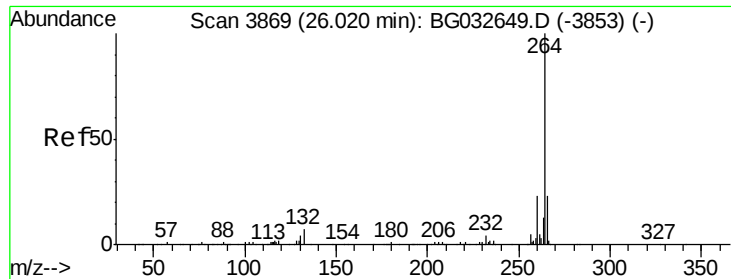
Tot Ion:184 Resp: 22725
Ion Ratio Lower Upper
184 100
185 16.0 11.1 16.7
183 8.5 10.6 16.0#



#78
Terphenyl-d14
Concen: 98.76 ng
RT: 20.59 min Scan# 2944
Delta R.T. 0.00 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Tgt Ion:244 Resp: 1517043
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.8
122 5.4 7.0 10.4#

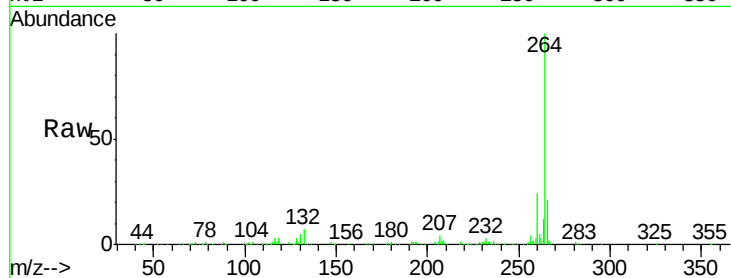




#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.01 min Scan# 3867
Delta R.T. -0.01 min
Lab File: BG032664.D
Acq: 13 Feb 2018 17:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	21.4	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

