

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032234.D
 Acq On : 23 Jan 2018 16:38
 Operator : SJ/JU
 Sample : J1239-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:57:10 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

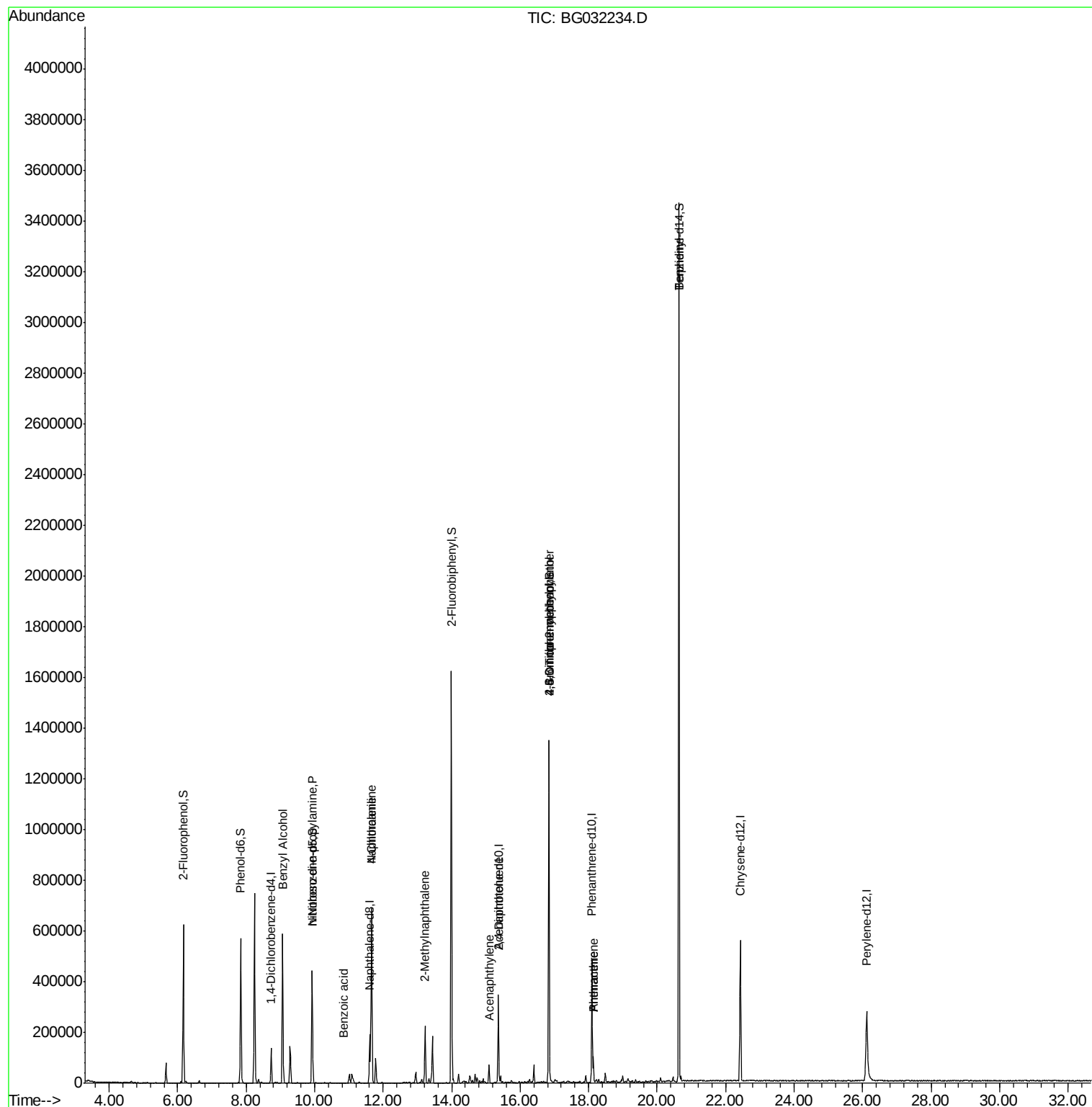
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	45110	20.00	ng	-0.02
21) Naphthalene-d8	11.61	136	184256	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	130888	20.00	ng	-0.02
63) Phenanthrene-d10	18.10	188	321209	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	421690	20.00	ng	-0.02
86) Perylene-d12	26.12	264	447908	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	308658	125.14	ng	0.00
7) Phenol-d6	7.84	99	353355	113.75	ng	0.00
23) Nitrobenzene-d5	9.92	82	271681	99.75	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	309394	142.85	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	975175	92.38	ng	-0.02
78) Terphenyl-d14	20.63	244	1798068	94.15	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.07	79	5099	2.260	ng	# 20
19) n-Nitroso-di-n-propylamine	9.92	70	40645	21.088	ng	# 78
31) Naphthalene	11.66	128	623638	68.324	ng	# 99
32) Benzoic acid	10.83	122	223	5.353	ng	# 1
33) 4-Chloroaniline	11.66	127	88762	22.677	ng	# 33
37) 2-Methylnaphthalene	13.23	142	106258	14.663	ng	# 94
48) Acenaphthylene	15.09	152	50141	3.772	ng	# 98
56) 2,4-Dinitrotoluene	15.36	165	16960	5.299	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.84	198	777	5.224	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	25876	5.662	ng	# 1
70) Phenanthrene	18.14	178	69560	3.890	ng	# 96
71) Anthracene	18.14	178	69560	3.900	ng	# 97
76) Benzidine	20.63	184	26686	2.531	ng	# 92

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

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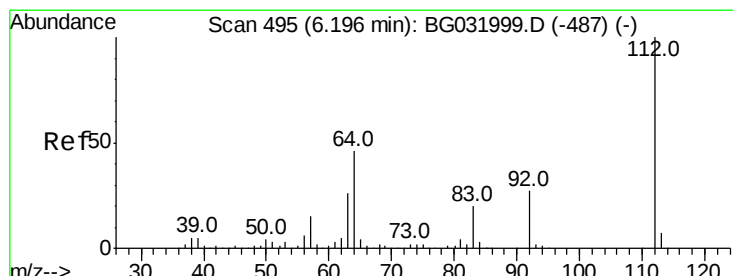
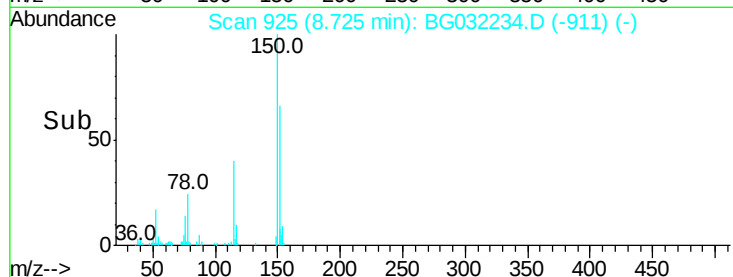
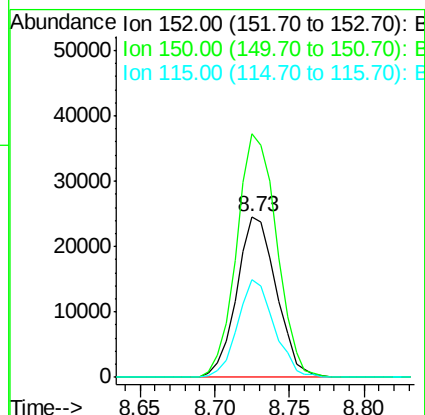
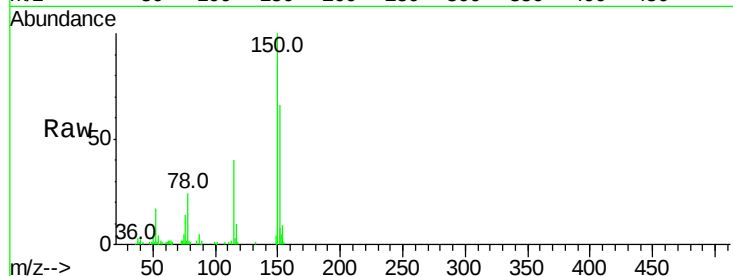


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 925
Delta R.T. -0.02 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Instrument :
BNA_G
ClientSampleId :

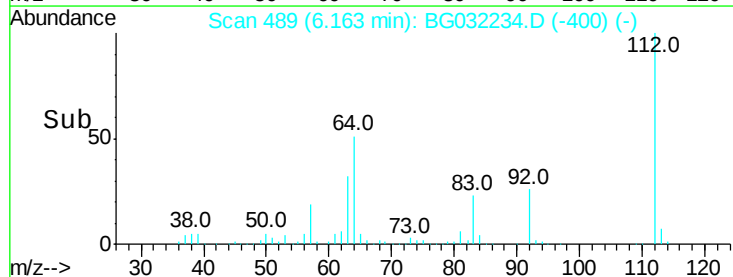
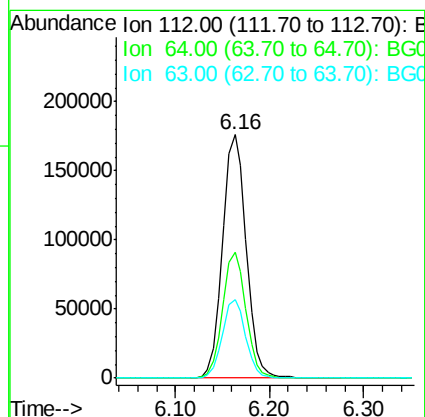
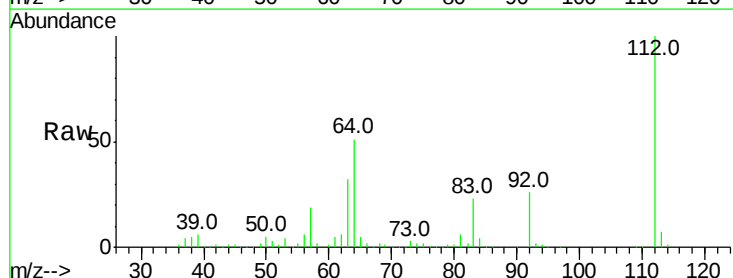
Tot Ion:152 Resp: 45110
Ion Ratio Lower Upper
152 100
150 151.3 126.6 189.8
115 60.6 53.0 79.4

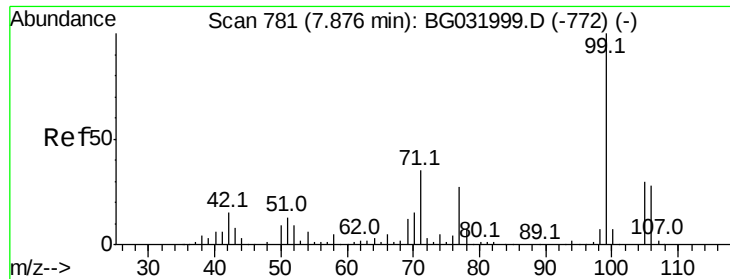


#5

2-Fluorophenol
Concen: 125.142 ng
RT: 6.16 min Scan# 489
Delta R.T. -0.01 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Tgt Ion:112 Resp: 308658
Ion Ratio Lower Upper
112 100
64 51.5 56.3 84.5#
63 32.4 30.1 45.1





#7

Phenol-d6

Concen: 113.752 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Instrument :

BNA_G

ClientSampleId :

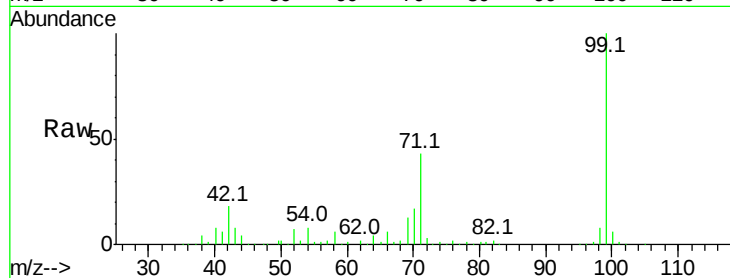
Tot Ion: 99 Resp: 353355

Ion Ratio Lower Upper

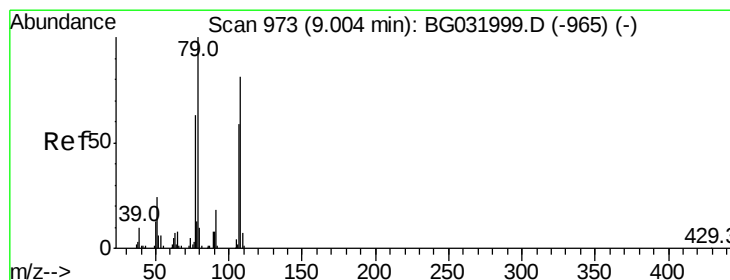
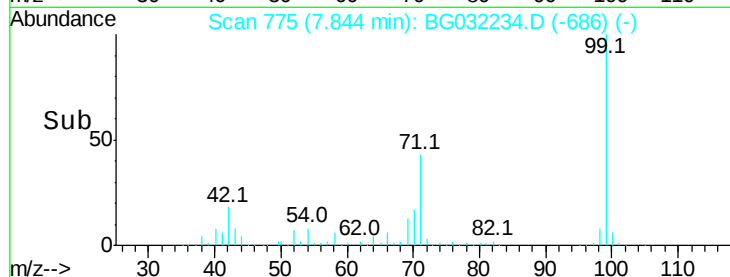
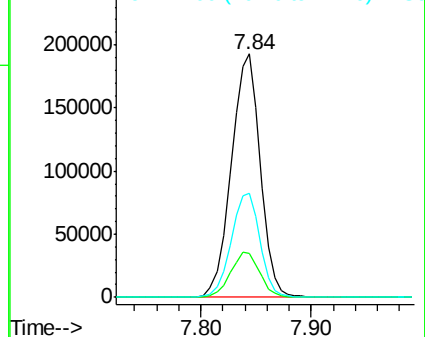
99 100

42 18.1 14.1 21.1

71 42.8 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: 2.260 ng

RT: 9.07 min Scan# 983

Delta R.T. 0.09 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

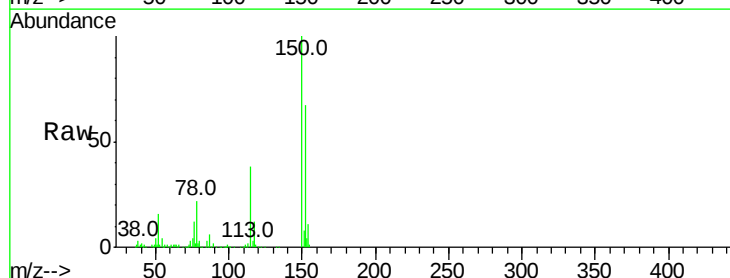
Tgt Ion: 79 Resp: 5099

Ion Ratio Lower Upper

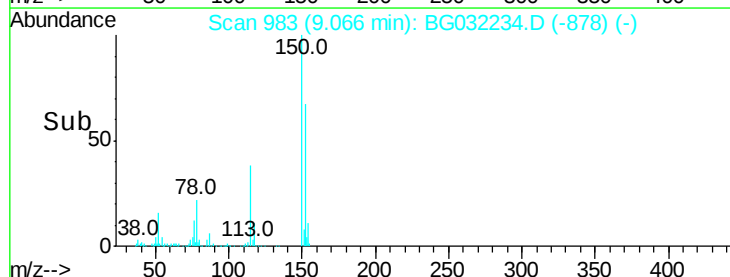
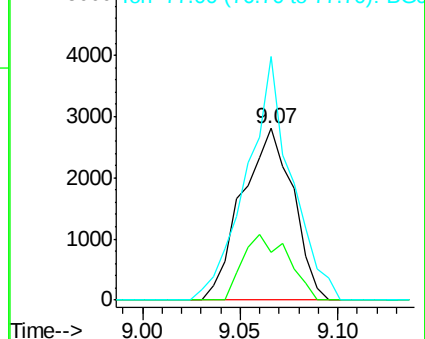
79 100

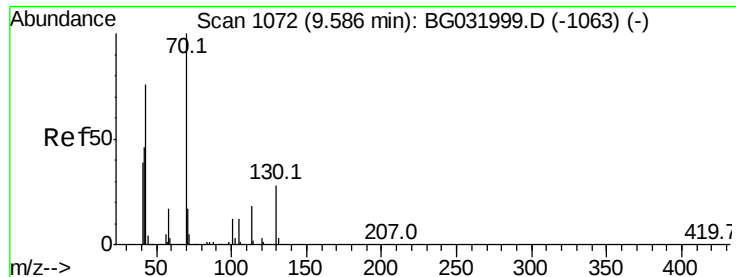
108 28.2 57.2 85.8#

77 141.9 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 21.088 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.36 min

Lab File: BG032234.D

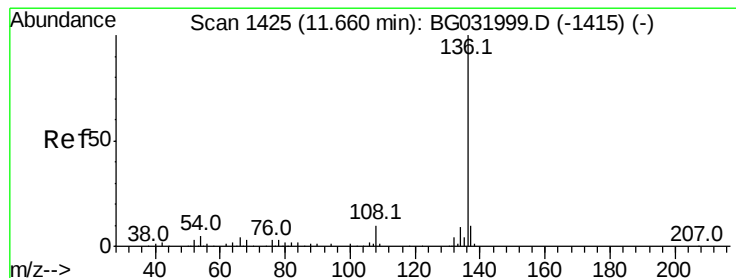
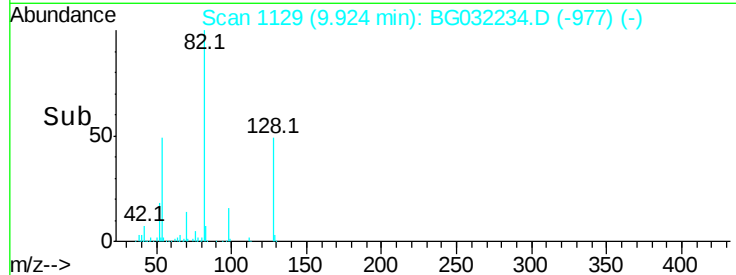
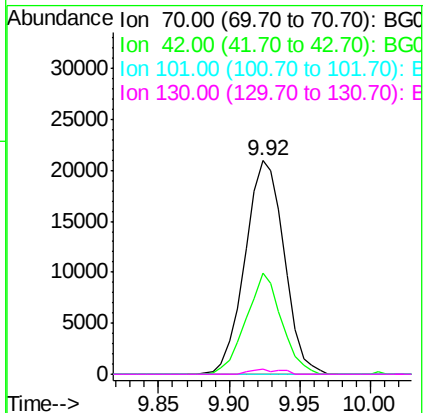
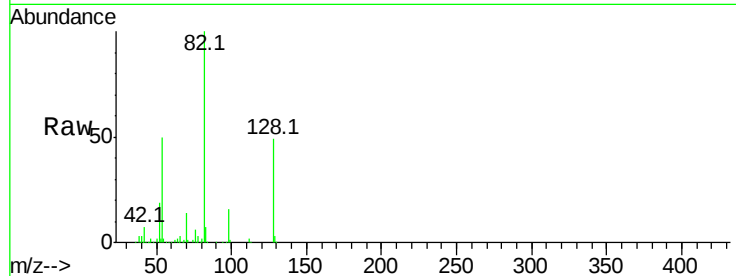
Acq: 23 Jan 2018 16:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	70	Resp:	40645
Ion	Ratio	Lower	Upper
70	100		
42	47.5	49.1	73.7#
101	0.0	8.5	12.7#
130	2.3	13.4	20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

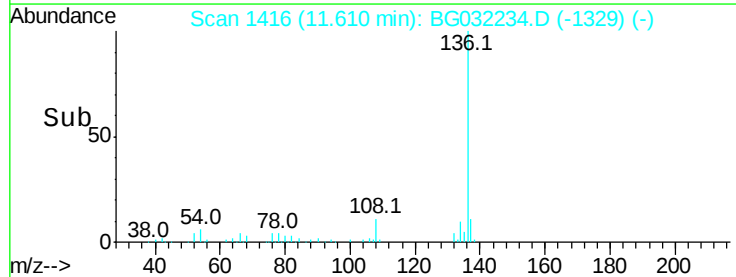
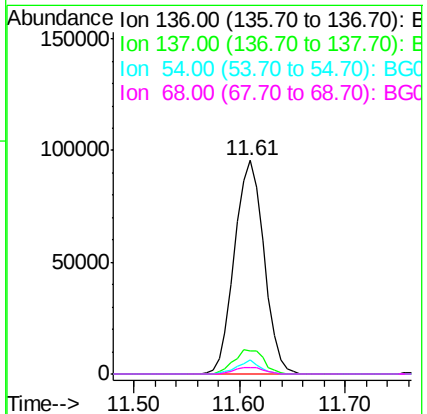
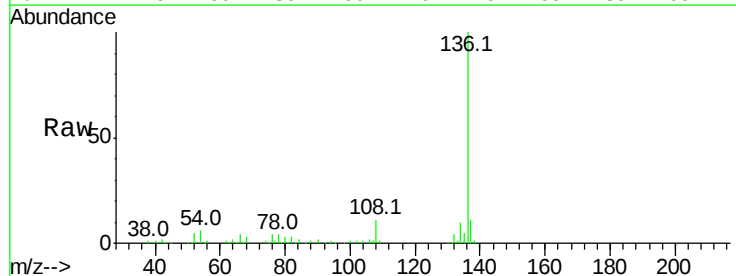
RT: 11.61 min Scan# 1416

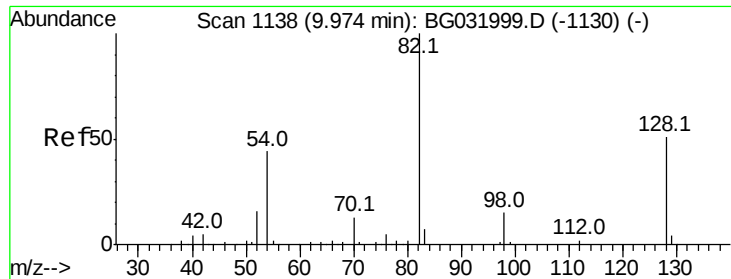
Delta R.T. -0.02 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Tgt Ion:	136	Resp:	184256
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.4	10.3	15.5#
68	3.1	4.5	6.7#

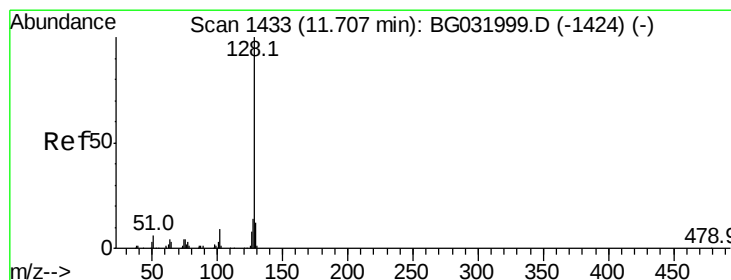
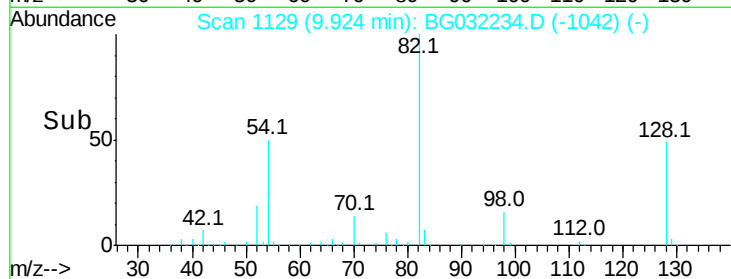
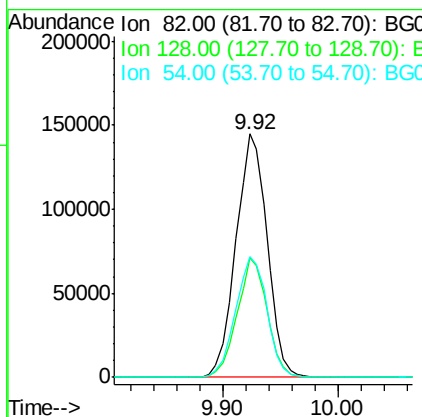
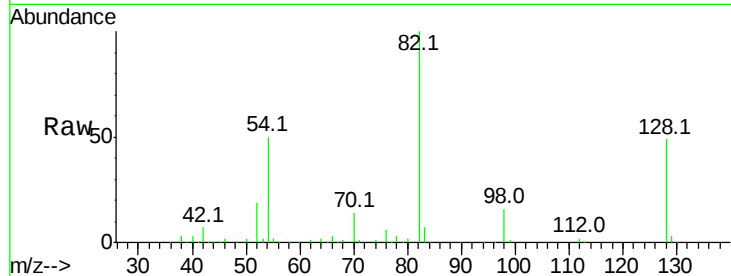




#23
 Nitrobenzene-d5
 Concen: 99.755 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BG032234.D
 Acq: 23 Jan 2018 16:38

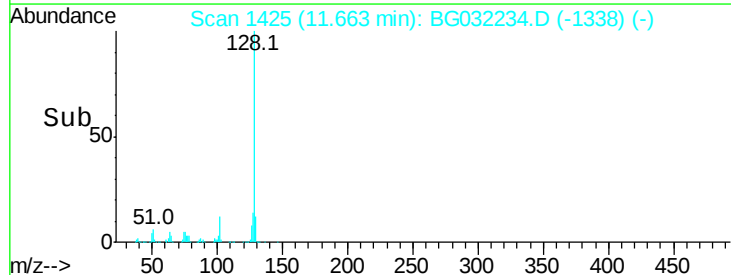
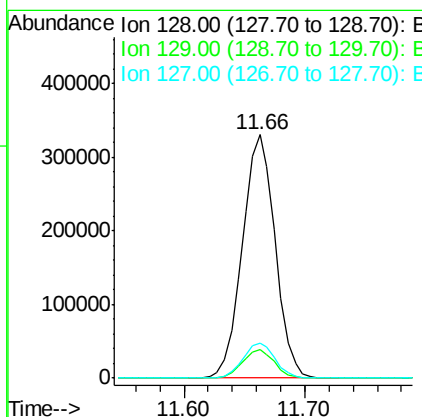
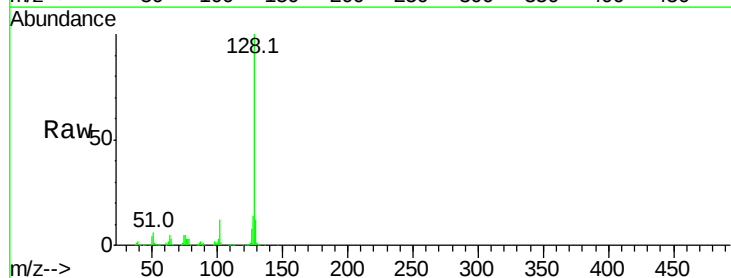
Instrument :
 BNA_G
 ClientSampleId :

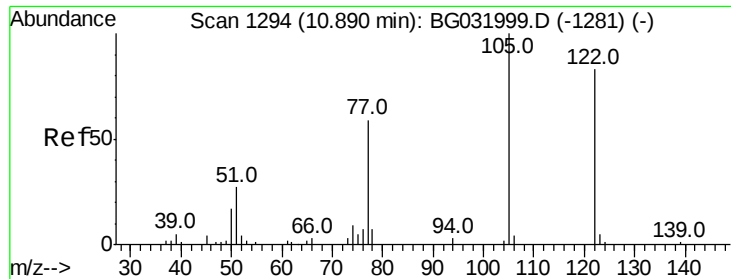
Tot Ion: 82 Resp: 271681
 Ion Ratio Lower Upper
 82 100
 128 48.9 29.7 44.5#
 54 49.7 43.1 64.7



#31
 Naphthalene
 Concen: 68.324 ng
 RT: 11.66 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BG032234.D
 Acq: 23 Jan 2018 16:38

Tgt Ion: 128 Resp: 623638
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.6 12.8
 127 14.5 11.6 17.4





#32

Benzoic acid

Concen: 5.353 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Instrument :

BNA_G

ClientSampleId :

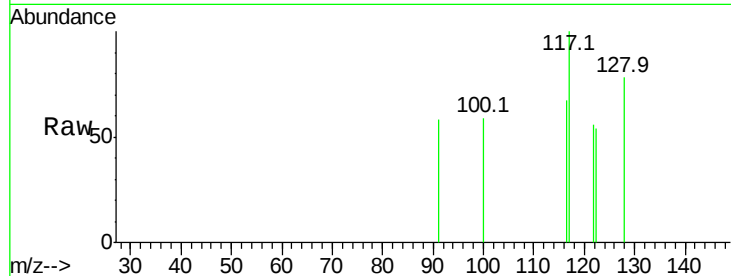
Tot Ion:122 Resp: 223

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#

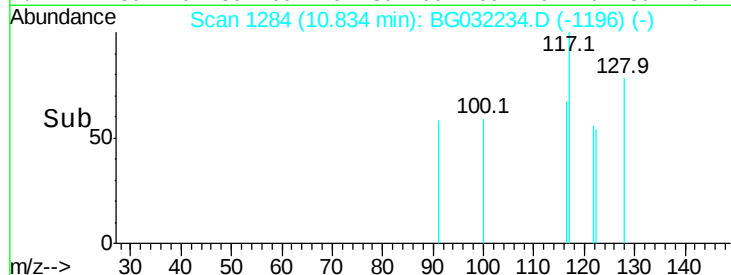


Abundance Ion 122.00 (121.70 to 122.70): E

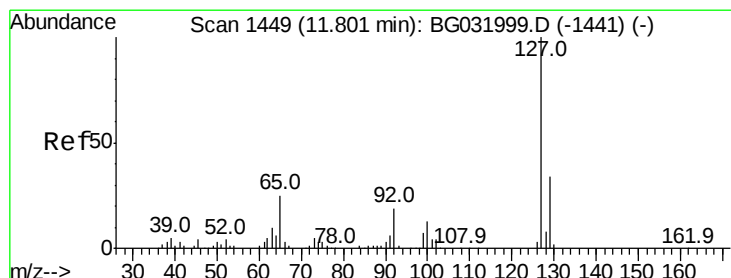
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Time-->



Time-->



#33

4-Chloroaniline

Concen: 22.677 ng

RT: 11.66 min Scan# 1425

Delta R.T. -0.11 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Tgt Ion:127 Resp: 88762

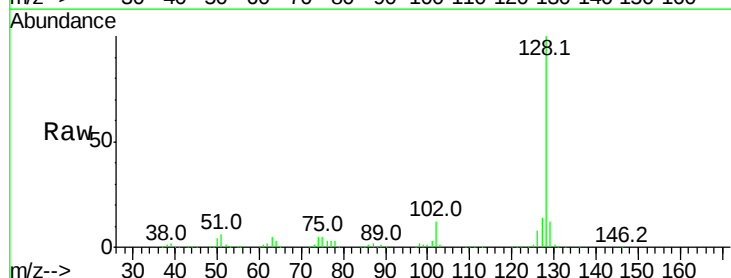
Ion Ratio Lower Upper

127 100

129 80.4 24.0 36.0#

65 1.3 27.0 40.4#

92 0.0 16.6 25.0#



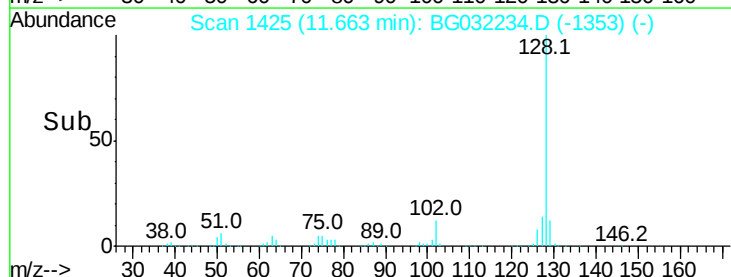
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

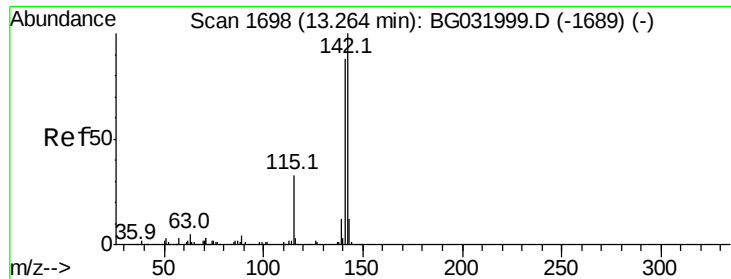
Ion 92.00 (91.70 to 92.70): BGC

Time-->



Time-->

Time-->



#37

2-Methylnaphthalene

Concen: 14.663 ng

RT: 13.23 min Scan# 1691

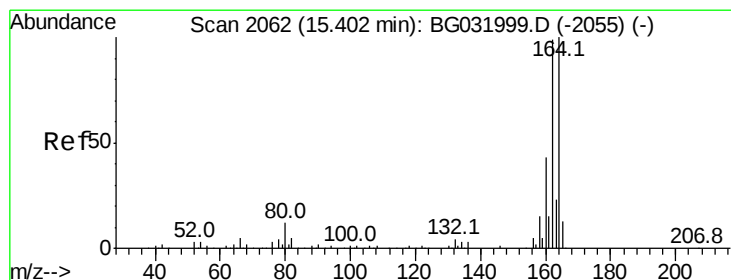
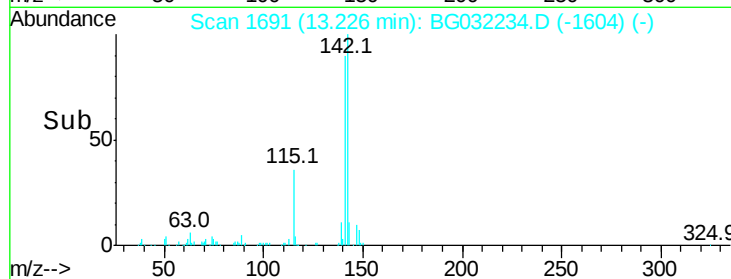
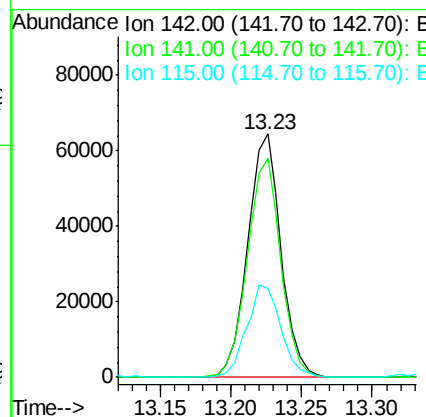
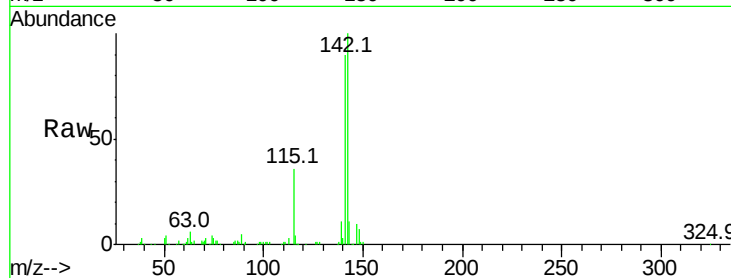
Delta R.T. -0.02 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	67.1	100.7
115	36.2	30.7	46.1



#38

Acenaphthene-d10

Concen: 20.000 ng

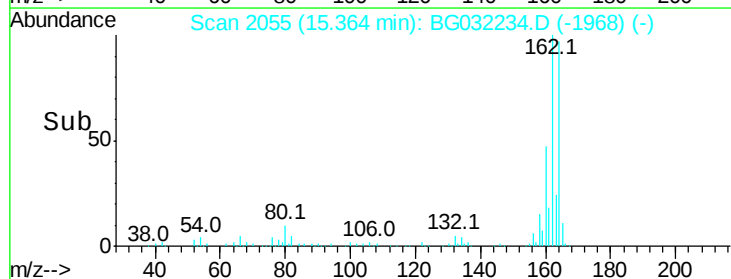
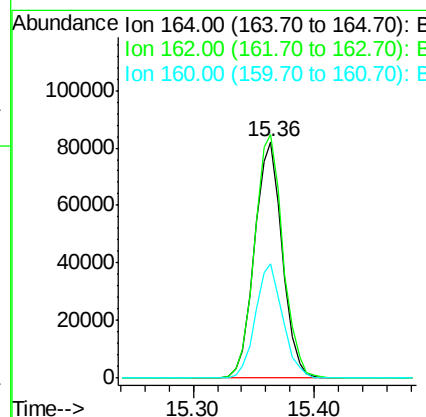
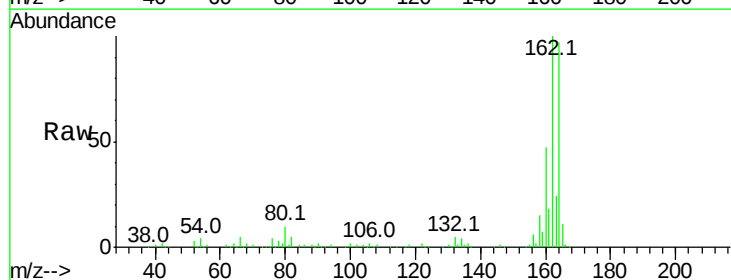
RT: 15.36 min Scan# 2055

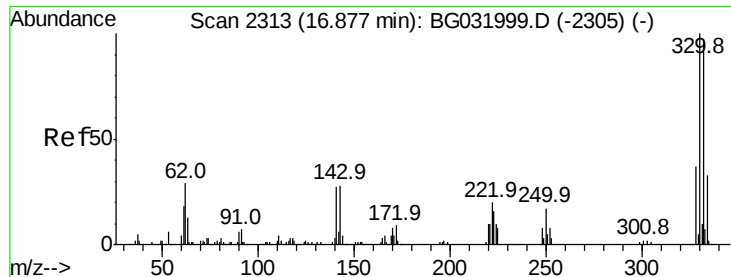
Delta R.T. -0.02 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	78.8	118.2
160	48.4	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 142.848 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.02 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Instrument :

BNA_G

ClientSampled :

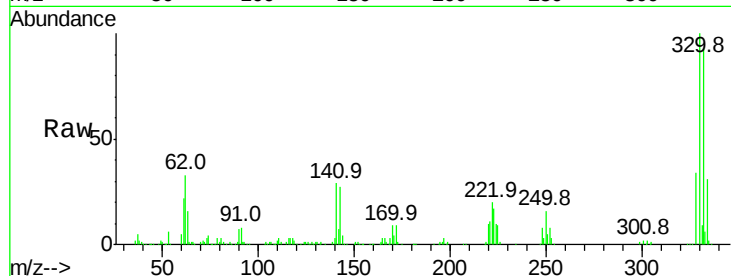
Tot Ion:330 Resp: 309394

Ion Ratio Lower Upper

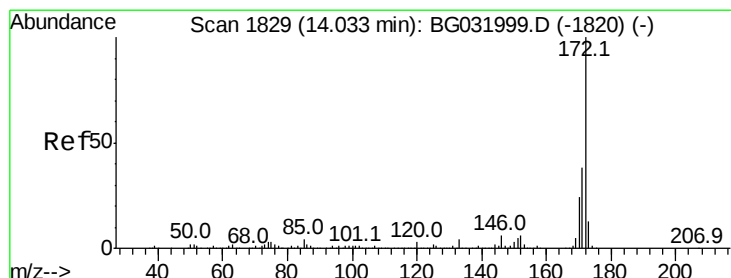
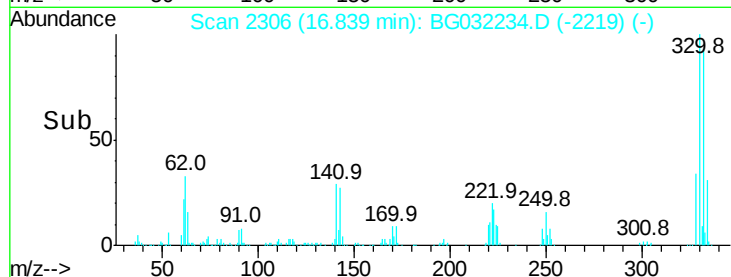
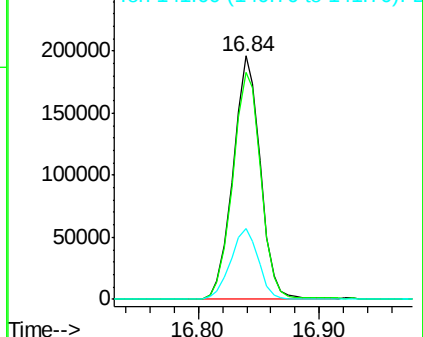
330 100

332 96.2 77.0 115.6

141 29.7 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: 92.382 ng

RT: 13.99 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

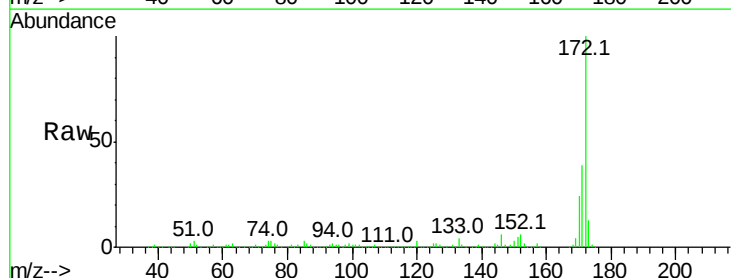
Tgt Ion:172 Resp: 975175

Ion Ratio Lower Upper

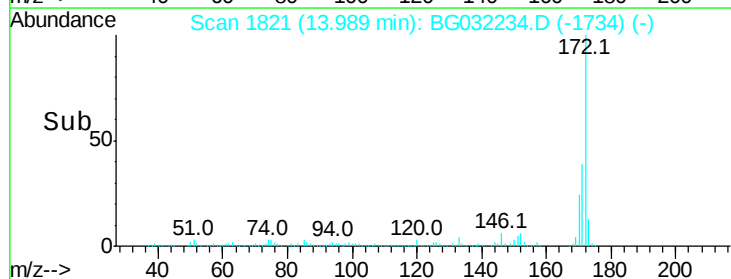
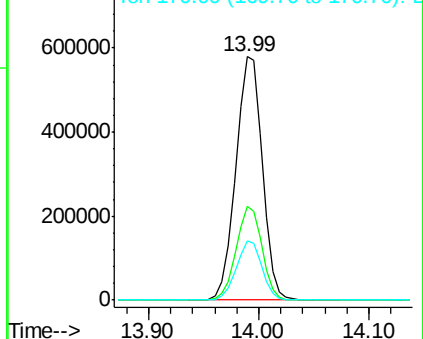
172 100

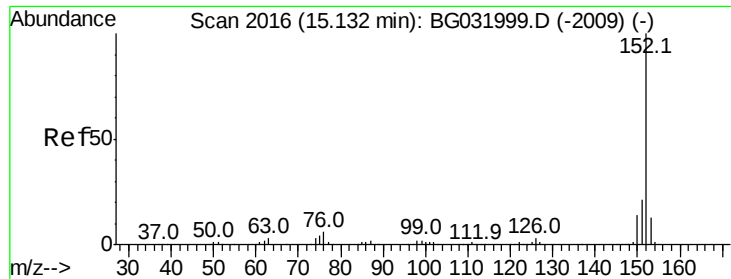
171 38.8 30.0 45.0

170 24.2 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





#48

Acenaphthylene

Concen: 3.772 ng

RT: 15.09 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Instrument :

BNA_G

ClientSampleId :

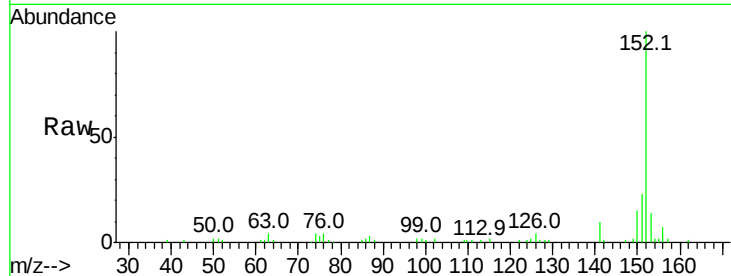
Tot Ion:152 Resp: 50141

Ion Ratio Lower Upper

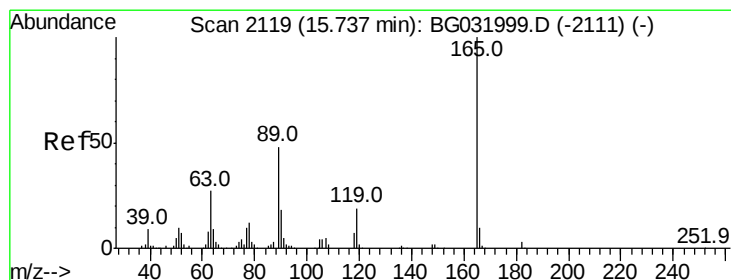
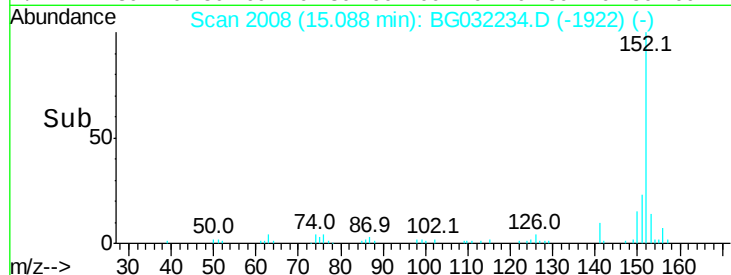
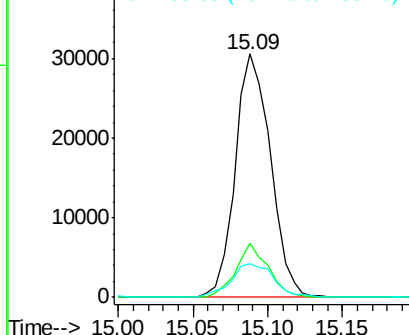
152 100

151 22.5 17.2 25.8

153 14.0 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#56

2,4-Dinitrotoluene

Concen: 5.299 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.36 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Tgt Ion:165 Resp: 16960

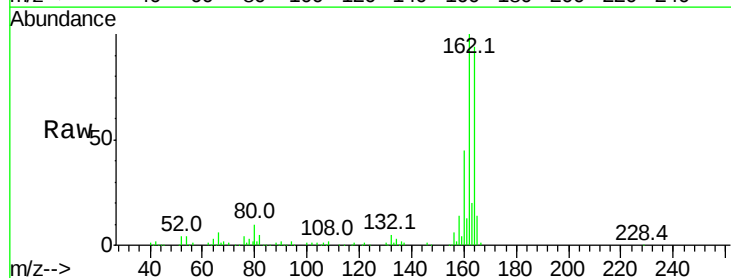
Ion Ratio Lower Upper

165 100

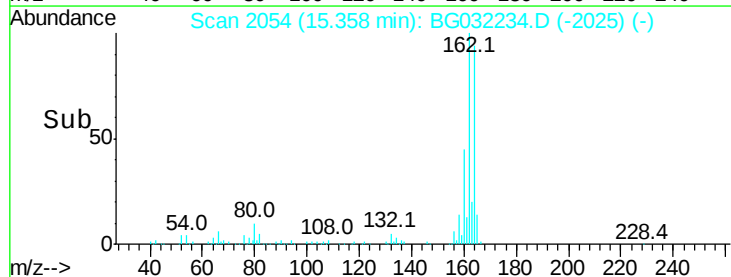
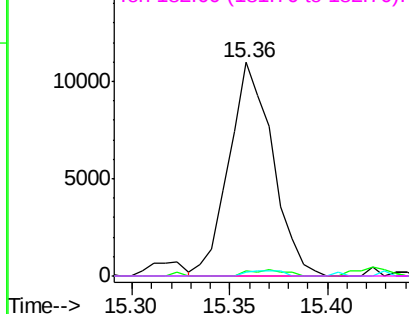
63 2.5 42.0 63.0#

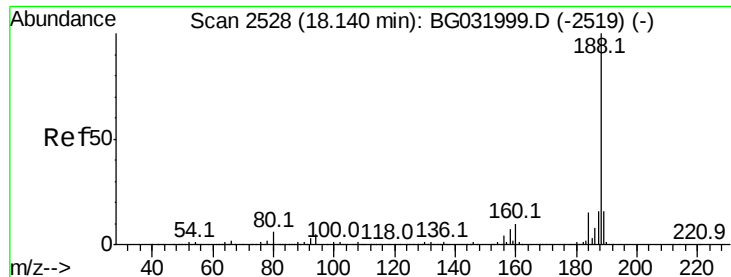
89 1.9 66.9 100.3#

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): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

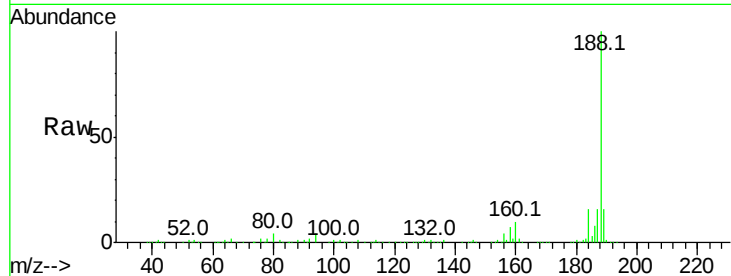




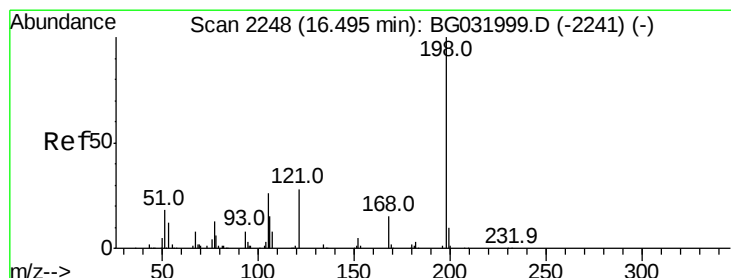
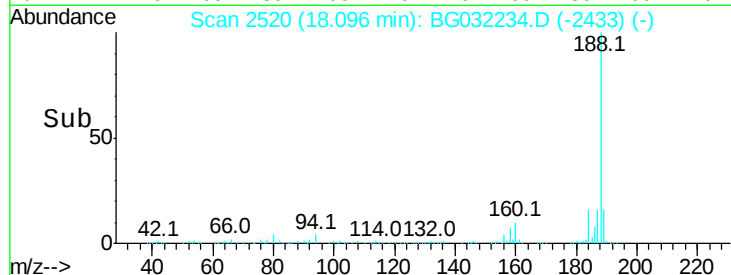
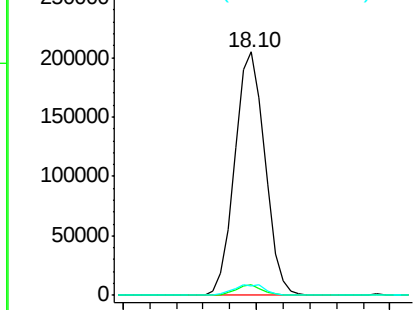
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.10 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 321209
Ion Ratio Lower Upper
188 100
94 4.2 6.9 10.3#
80 3.7 7.7 11.5#

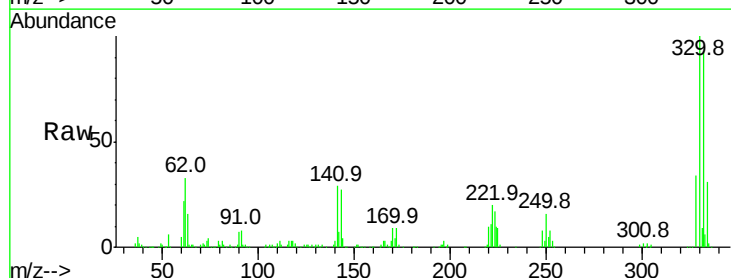


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

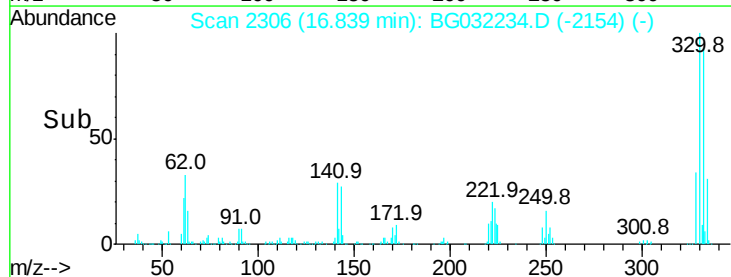
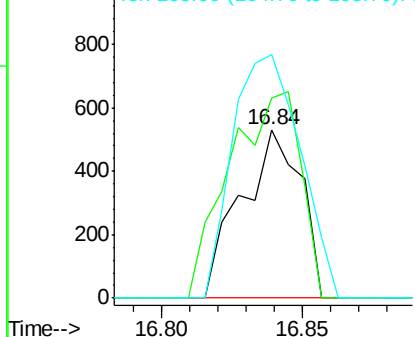


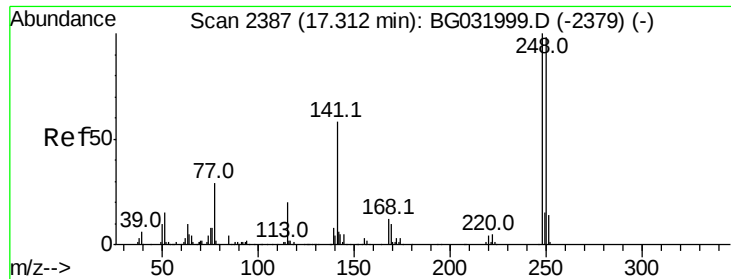
#64
4,6-Dinitro-2-methylphenol
Concen: 5.224 ng
RT: 16.84 min Scan# 2306
Delta R.T. 0.36 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Tgt Ion:198 Resp: 777
Ion Ratio Lower Upper
198 100
51 118.6 30.6 70.6#
105 144.6 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

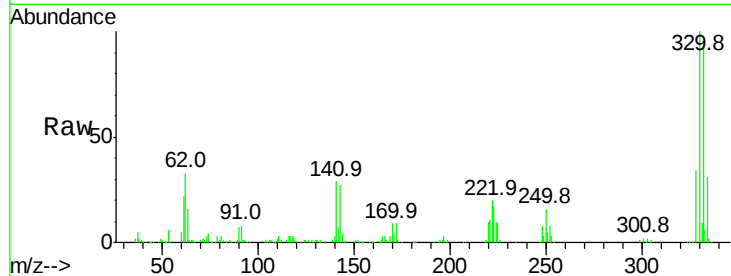




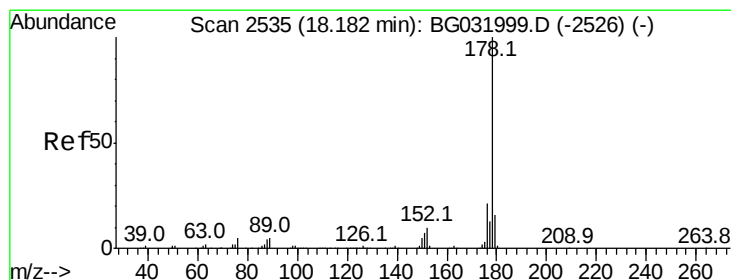
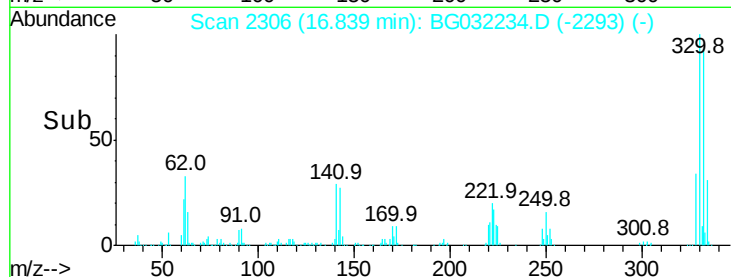
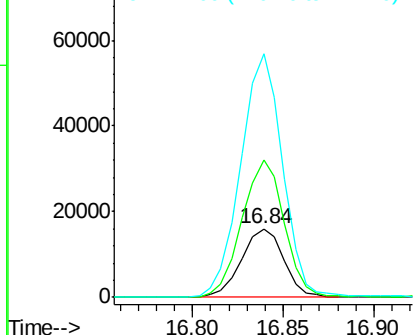
#66
4-Bromophenyl-phenylether
Concen: 5.662 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.45 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 25876
Ion Ratio Lower Upper
248 100
250 202.0 77.1 115.7#
141 356.5 50.8 76.2#

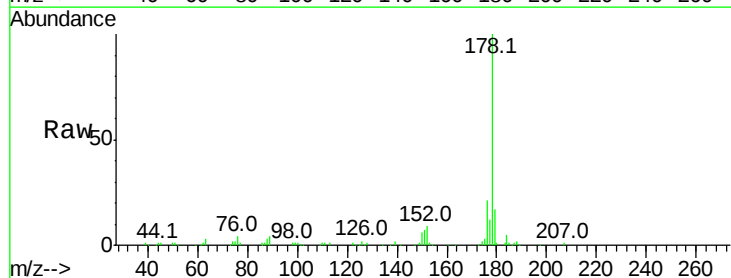


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

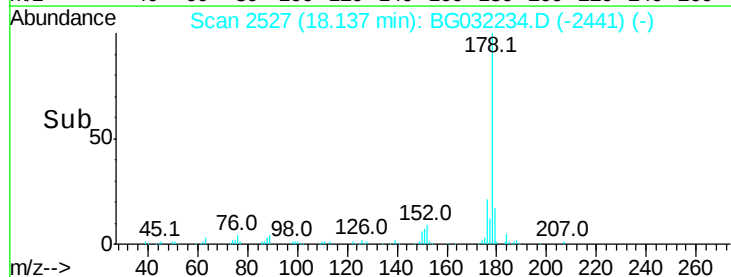
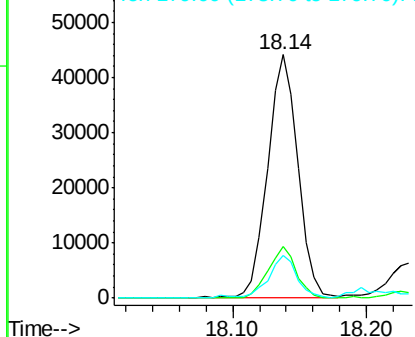


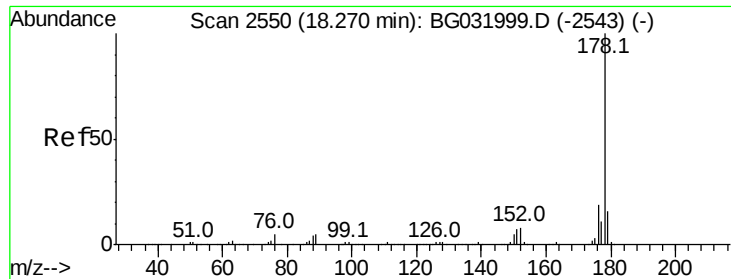
#70
Phenanthrene
Concen: 3.890 ng
RT: 18.14 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Tgt Ion:178 Resp: 69560
Ion Ratio Lower Upper
178 100
176 21.3 15.7 23.5
179 17.4 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.900 ng

RT: 18.14 min Scan# 2527

Delta R.T. -0.11 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

Instrument :

BNA_G

ClientSampleId :

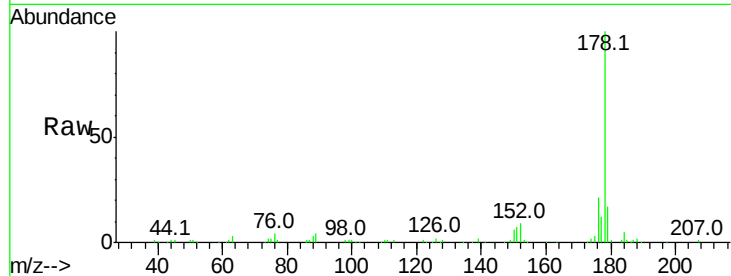
Tot Ion:178 Resp: 69560

Ion Ratio Lower Upper

178 100

176 21.3 16.0 24.0

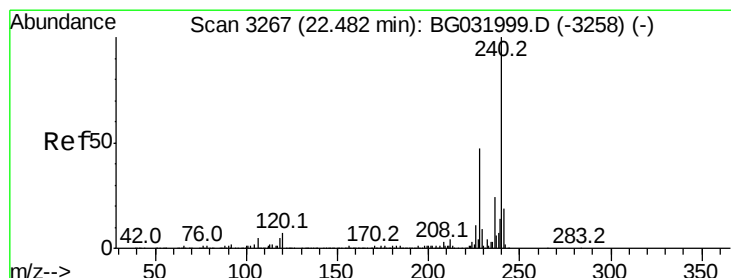
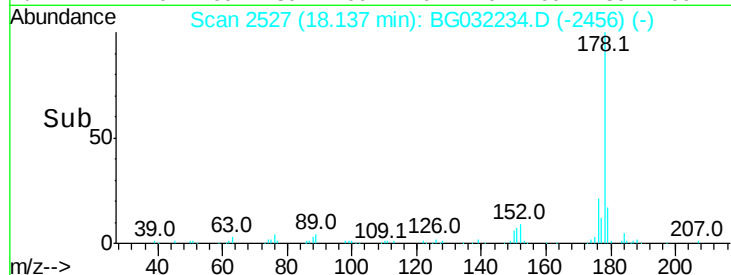
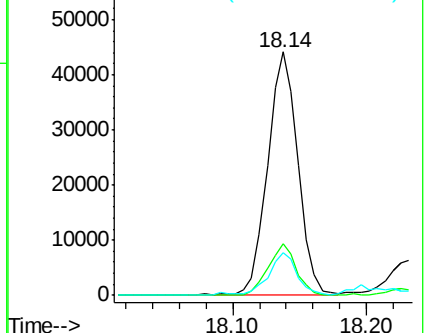
179 17.4 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.43 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BG032234.D

Acq: 23 Jan 2018 16:38

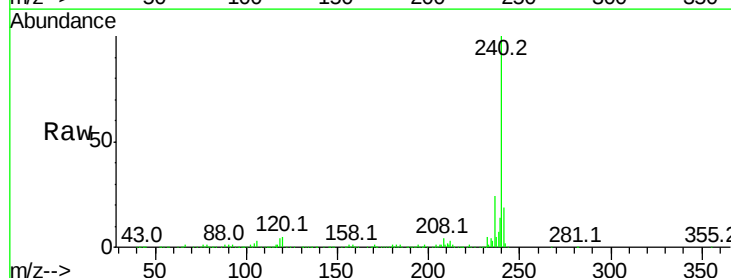
Tgt Ion:240 Resp: 421690

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

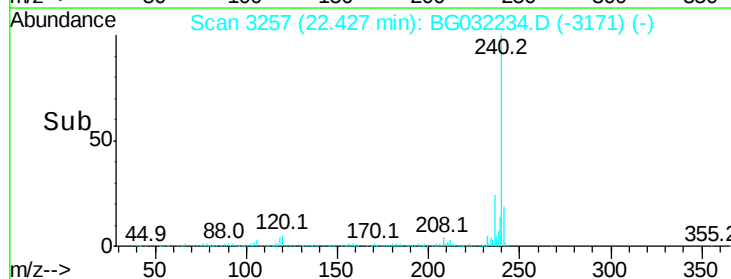
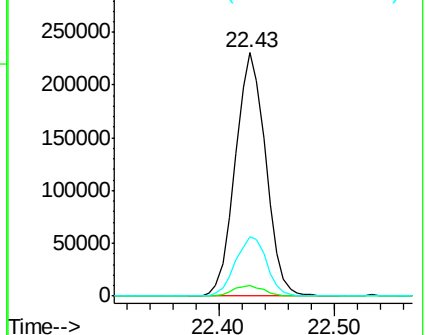
236 24.4 20.9 31.3

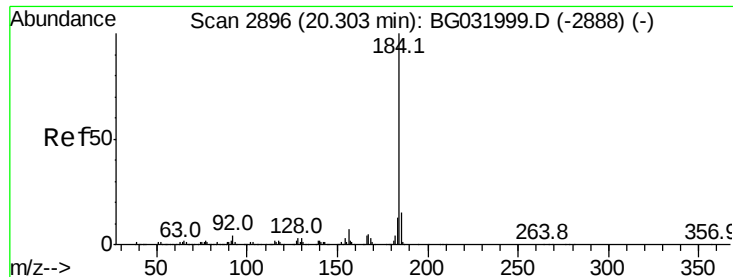


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

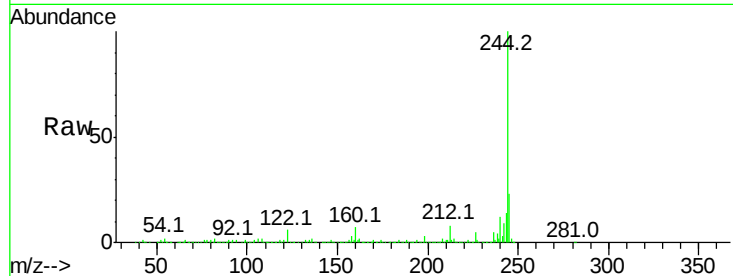




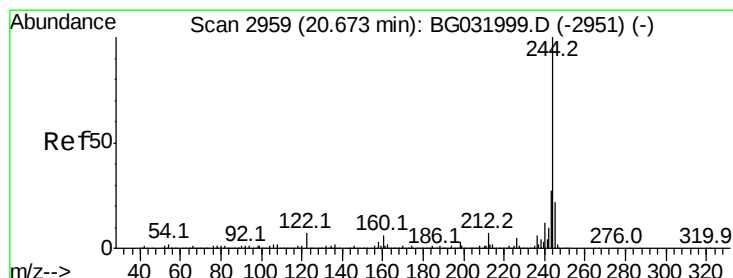
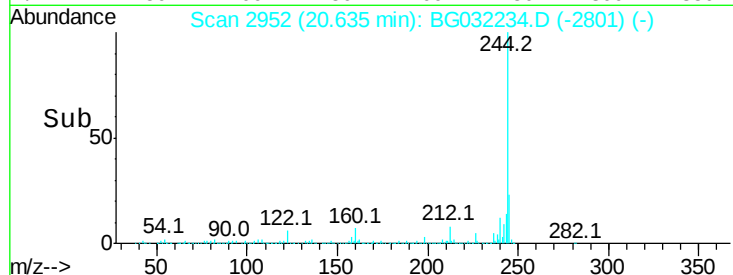
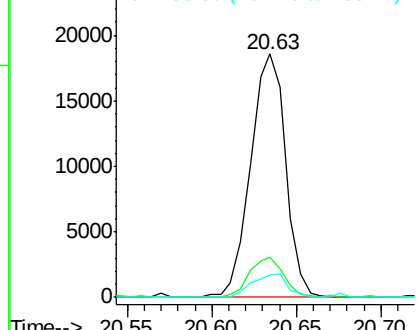
#76
Benzidine
Concen: 2.531 ng
RT: 20.63 min Scan# 2952
Delta R.T. 0.36 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 26686
Ion Ratio Lower Upper
184 100
185 16.5 11.1 16.7
183 9.1 10.6 16.0#

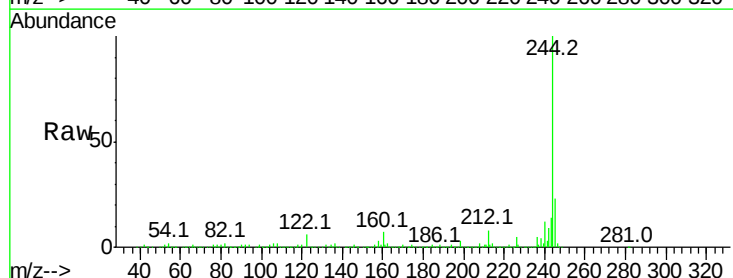


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

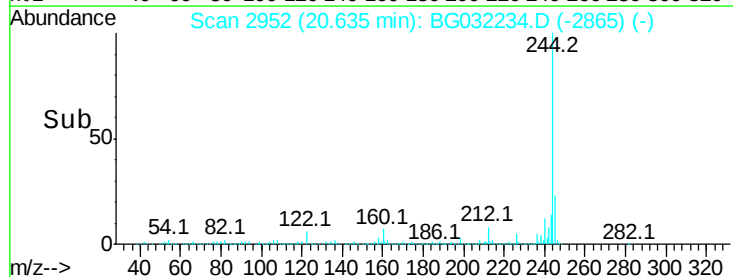
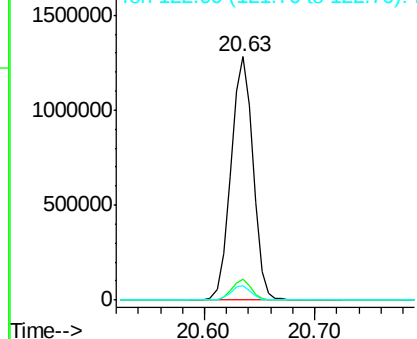


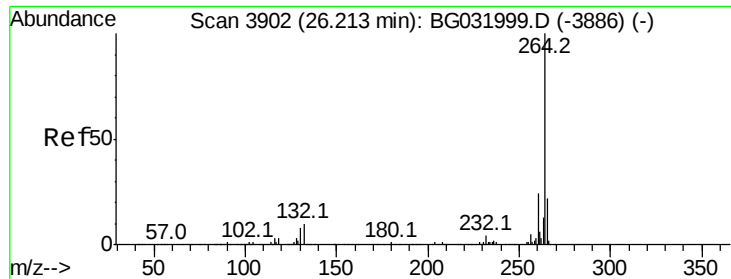
#78
Terphenyl-d14
Concen: 94.150 ng
RT: 20.63 min Scan# 2952
Delta R.T. -0.02 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Tgt Ion:244 Resp: 1798068
Ion Ratio Lower Upper
244 100
212 8.4 5.8 8.8
122 6.0 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.12 min Scan# 3885
Delta R.T. -0.03 min
Lab File: BG032234.D
Acq: 23 Jan 2018 16:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.1	17.7	26.5

