

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112718\
 Data File : BG038197.D
 Acq On : 28 Nov 2018 12:03
 Operator : JU/SJ
 Sample : J6070-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 13:05:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

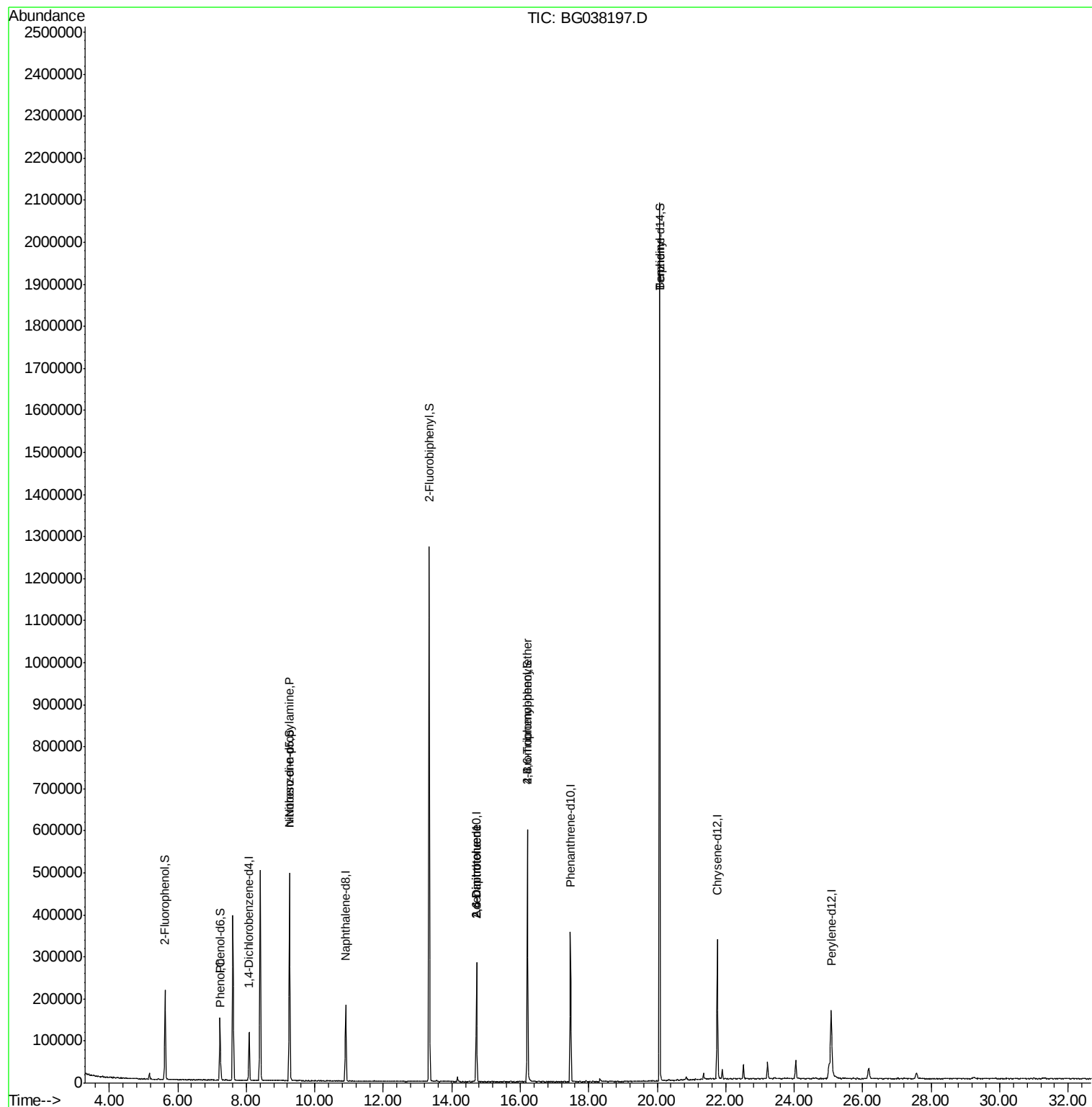
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	34477	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	161712	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	102642	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	232249	20.00	ng	0.00
76) Chrysene-d12	21.76	240	219913	20.00	ng	0.00
87) Perylene-d12	25.08	264	213497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	100453	50.31	ng	0.00
7) Phenol-d6	7.23	99	91237	32.01	ng	0.00
23) Nitrobenzene-d5	9.26	82	302459	100.12	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	109984	93.95	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	679559	96.45	ng	0.00
79) Terphenyl-d14	20.07	244	1024694	109.64	ng	0.00
Target Compounds						
10) Phenol	7.25	94	10779	3.570	ng	89
19) n-Nitroso-di-n-propylamine	9.26	70	38785	18.805	ng	# 73
51) 2,6-Dinitrotoluene	14.72	165	13539	7.351	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	13539	5.403	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	8219	3.224	ng	# 1
77) Benzidine	20.07	184	18268	2.367	ng	# 94

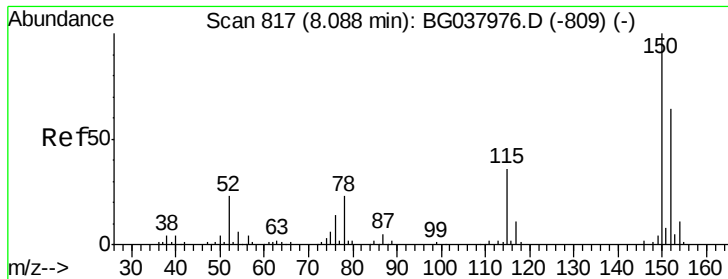
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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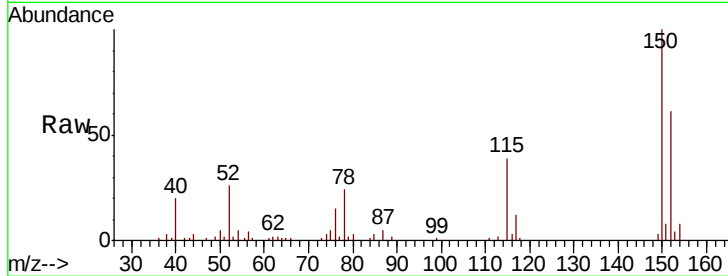


#1

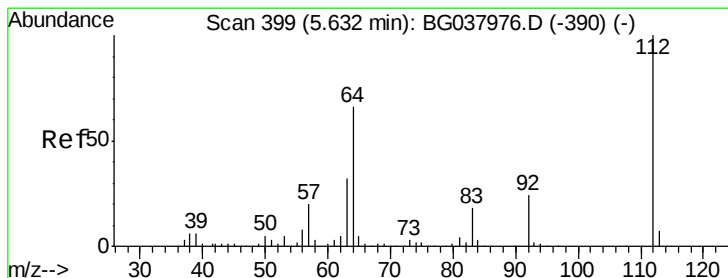
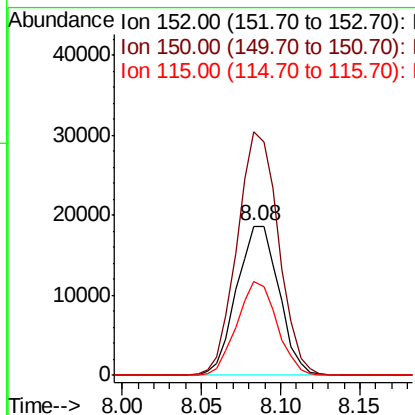
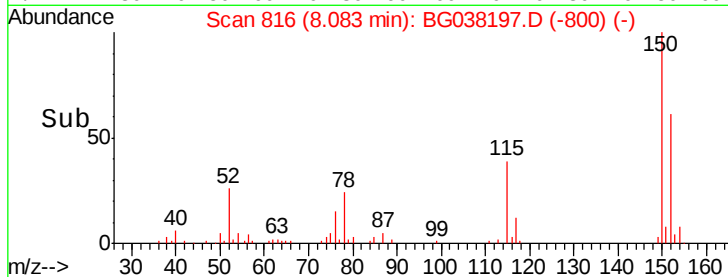
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038197.D
Acq: 28 Nov 2018 12:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34477
Ion Ratio Lower Upper
152 100
150 163.1 126.0 189.0
115 63.0 45.5 68.3



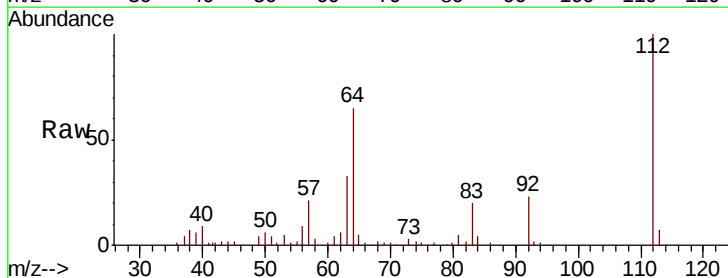
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



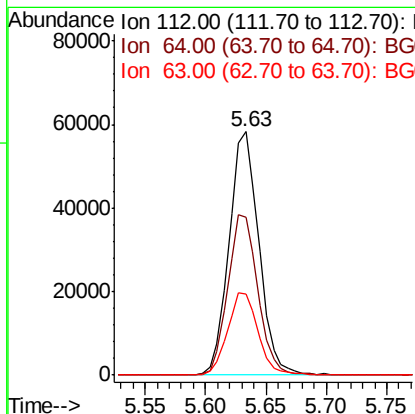
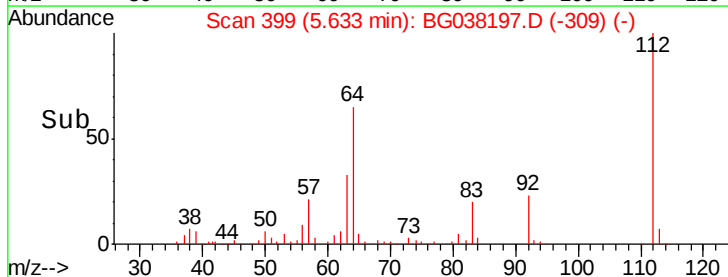
#5

2-Fluorophenol
Concen: 50.306 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG038197.D
Acq: 28 Nov 2018 12:03

Tgt Ion:112 Resp: 100453
Ion Ratio Lower Upper
112 100
64 64.7 53.1 79.7
63 33.1 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 32.009 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

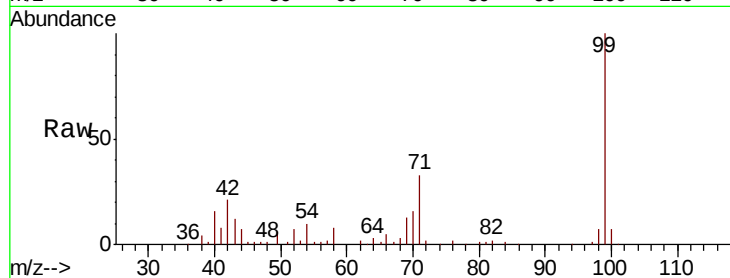
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 91237

Ion	Ratio	Lower	Upper
99	100		
42	21.5	15.0	22.4
71	33.4	25.5	38.3

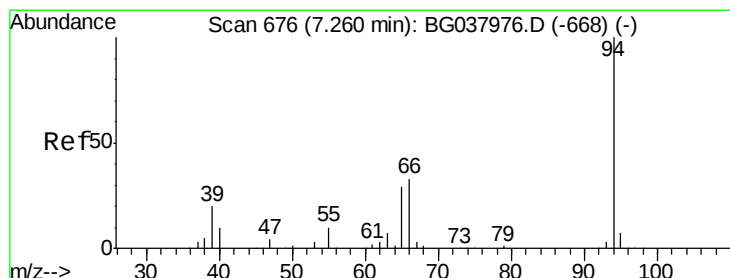
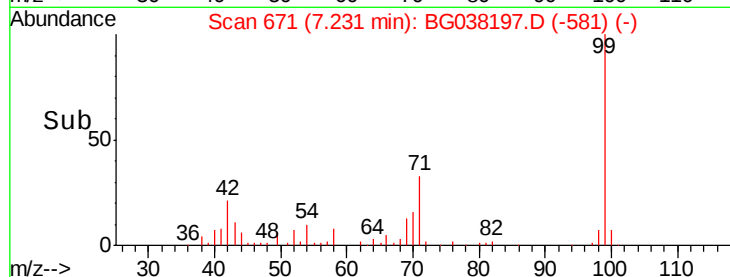
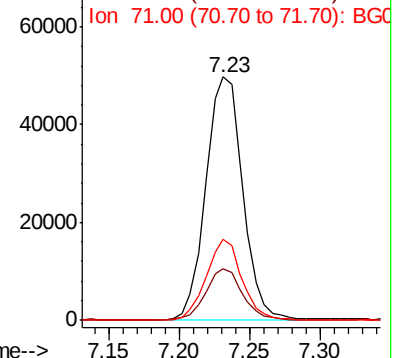


Abundance

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



#10

Phenol

Concen: 3.570 ng

RT: 7.25 min Scan# 675

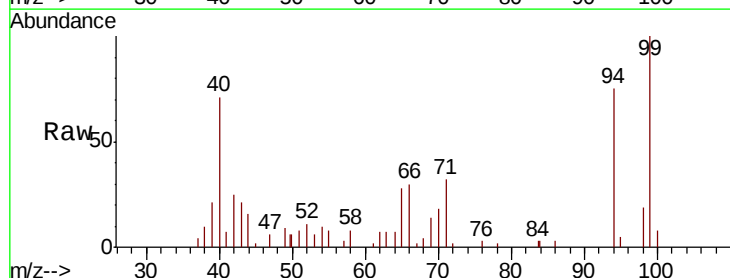
Delta R.T. -0.01 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

Tgt Ion: 94 Resp: 10779

Ion	Ratio	Lower	Upper
94	100		
65	37.4	9.7	49.7
66	40.2	15.9	55.9

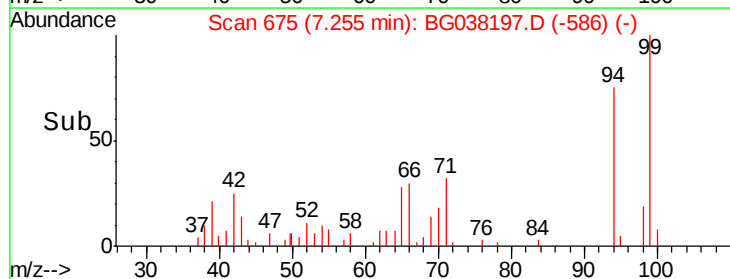
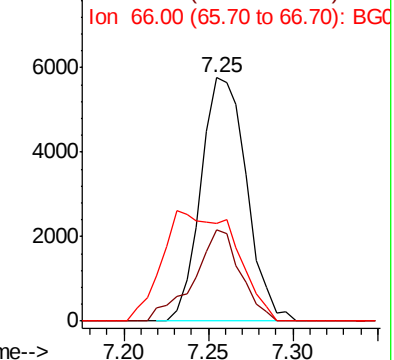


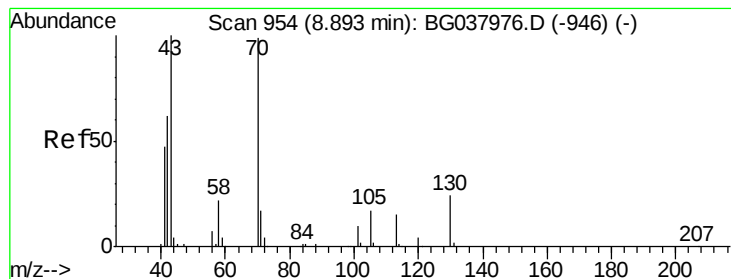
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 18.805 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 38785

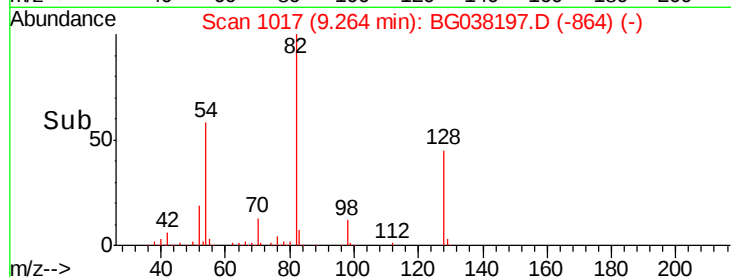
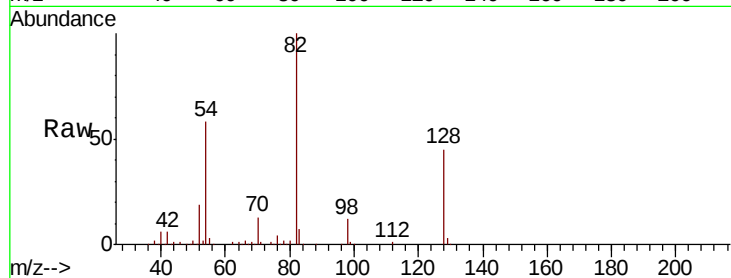
Ion Ratio Lower Upper

70 100

42 49.9 53.9 80.9#

101 0.0 8.2 12.2#

130 2.4 18.2 27.4#

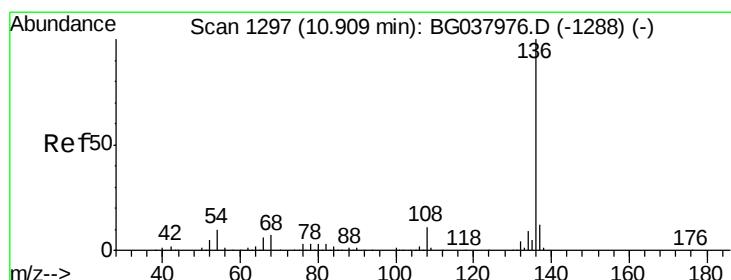
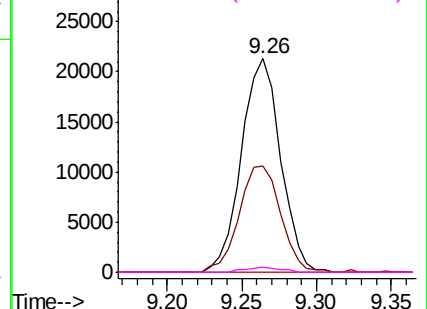


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.000 ng

RT: 10.90 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

Tgt Ion: 136 Resp: 161712

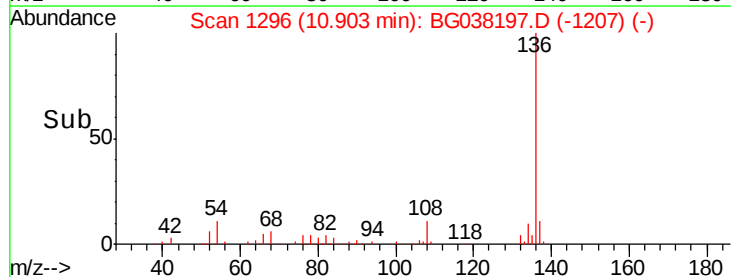
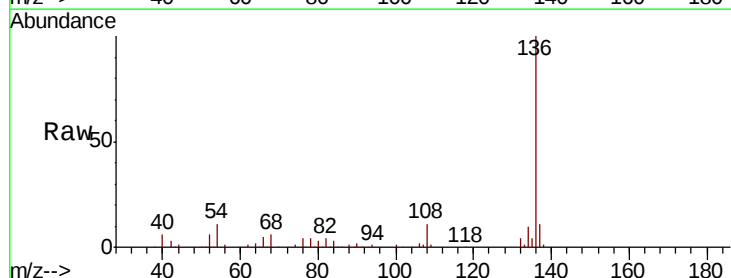
Ion Ratio Lower Upper

136 100

137 10.6 9.6 14.4

54 10.8 7.9 11.9

68 6.1 4.8 7.2

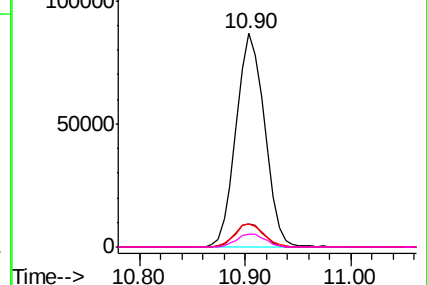


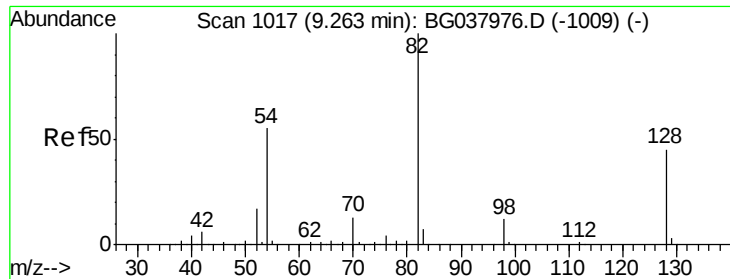
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

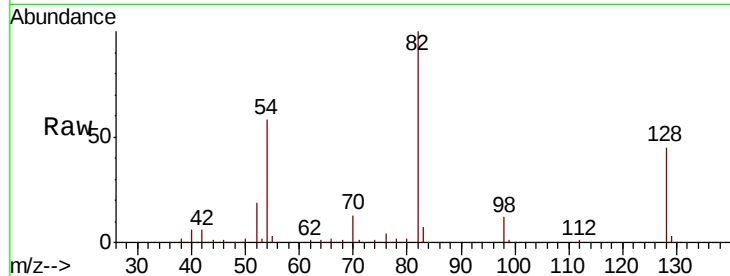




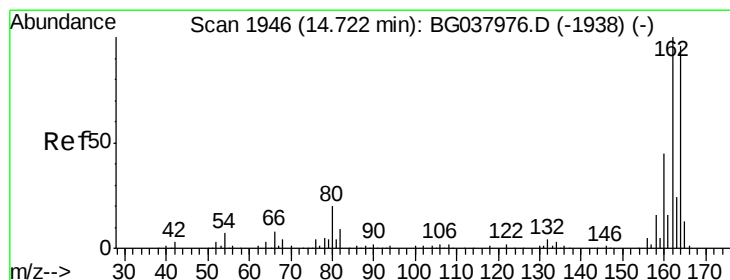
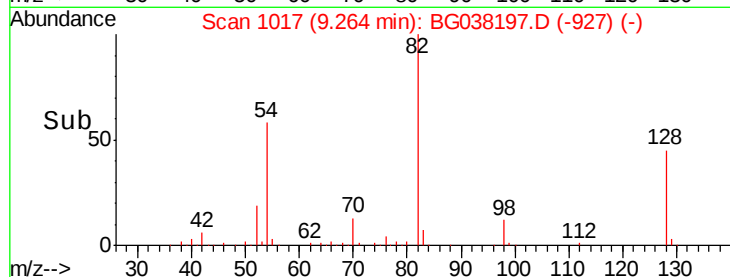
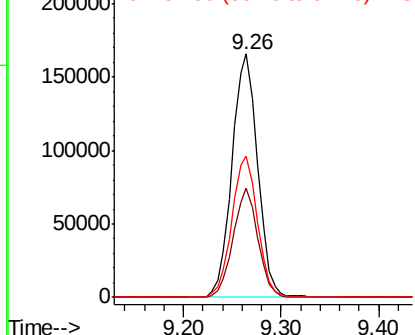
#23
 Nitrobenzene-d5
 Concen: 100.121 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BG038197.D
 Acq: 28 Nov 2018 12:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	302459
Ion Ratio	100	Lower	Upper
128	44.8	34.6	51.8
54	57.8	45.3	67.9

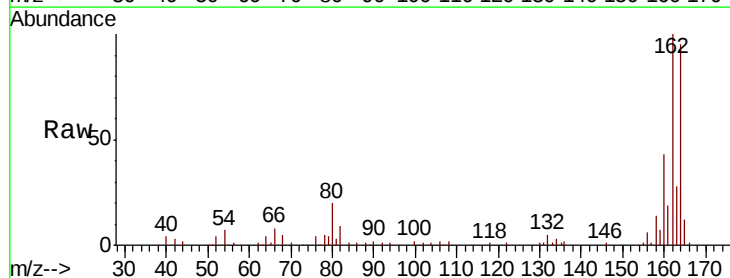


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

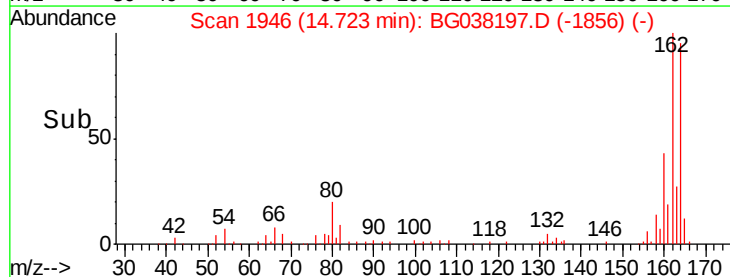
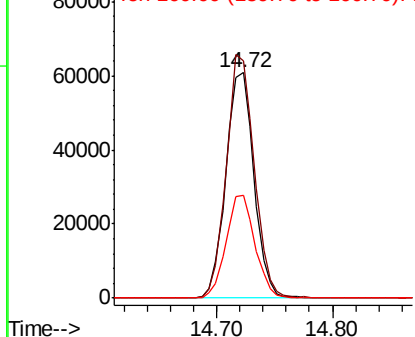


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BG038197.D
 Acq: 28 Nov 2018 12:03

Tgt Ion	164	Resp	102642
Ion Ratio	100	Lower	Upper
162	105.1	81.3	121.9
160	45.7	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

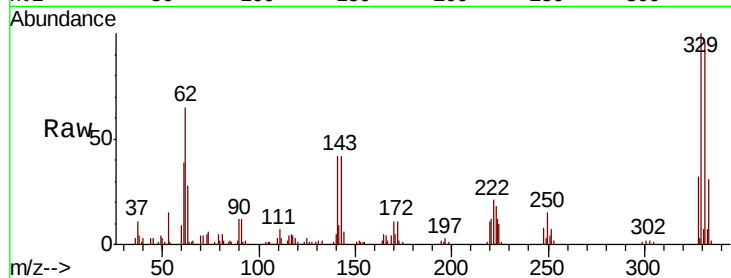




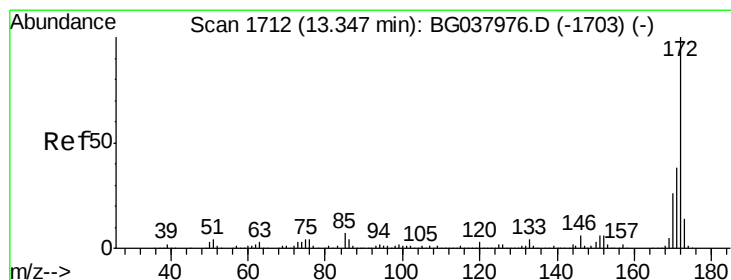
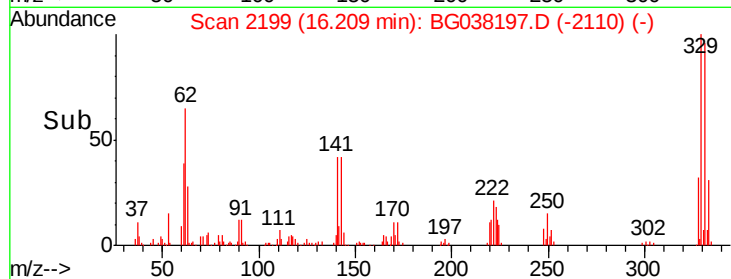
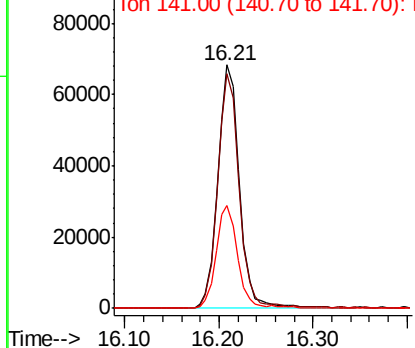
#42
 2,4,6-Tribromophenol
 Concen: 93.955 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BG038197.D
 Acq: 28 Nov 2018 12:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.4	117.6
141	42.2	32.2	48.2

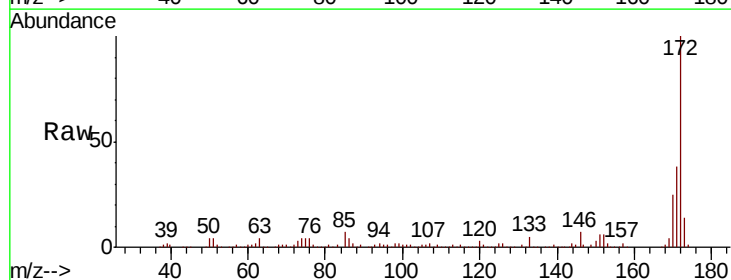


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

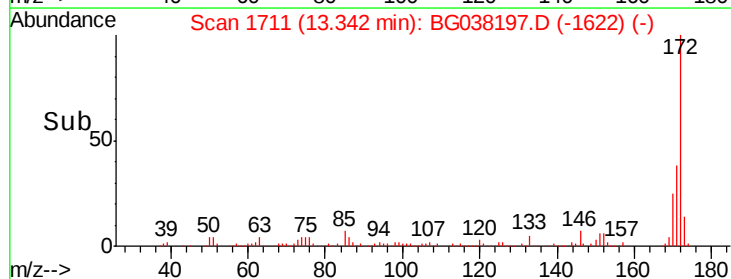
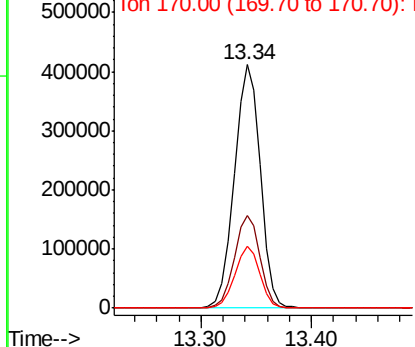


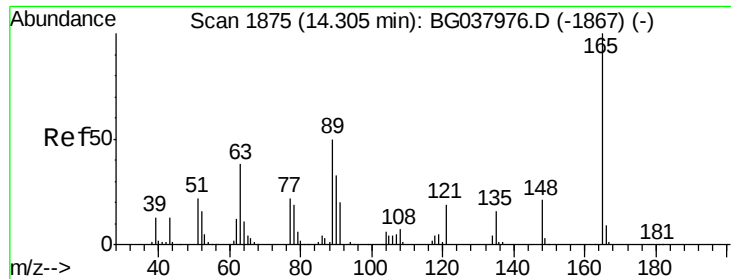
#45
 2-Fluorobiphenyl
 Concen: 96.453 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG038197.D
 Acq: 28 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.0	46.4
170	25.2	20.2	30.2



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

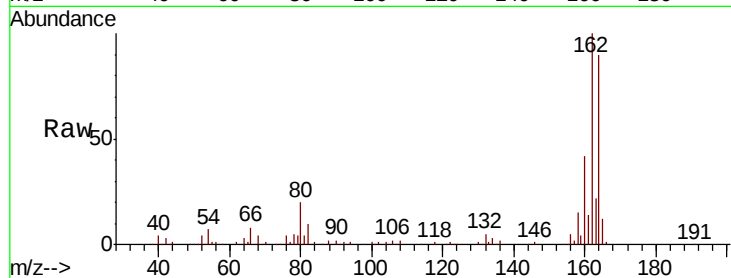




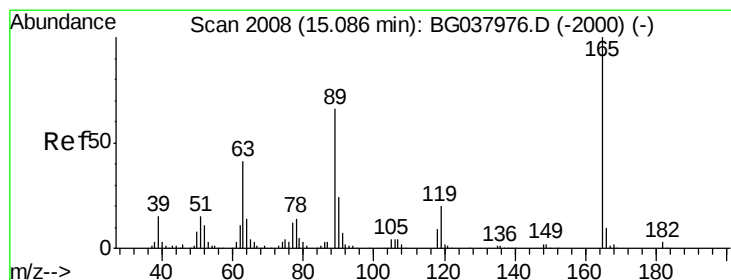
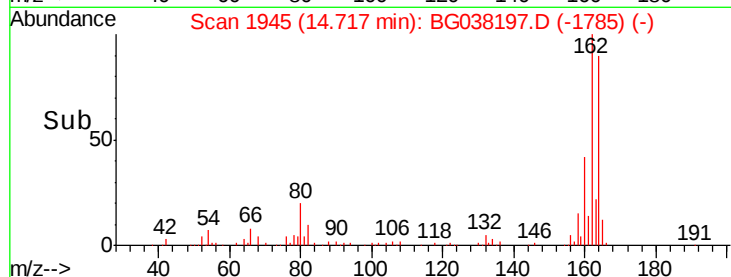
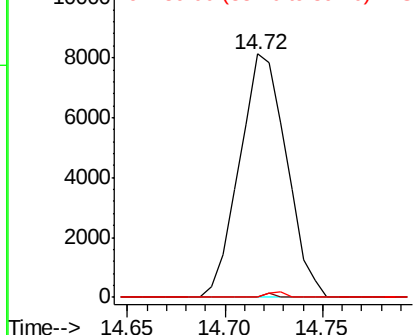
#51
 2,6-Dinitrotoluene
 Concen: 7.351 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038197.D
 Acq: 28 Nov 2018 12:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13539
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 45.8 68.6#

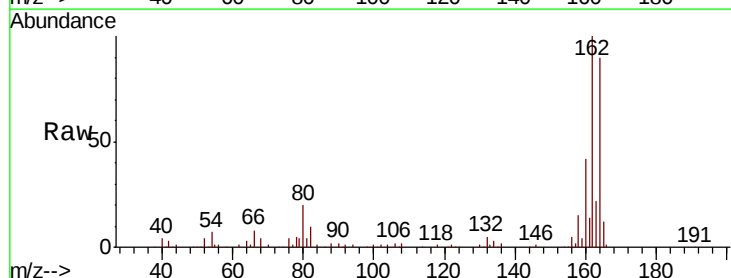


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

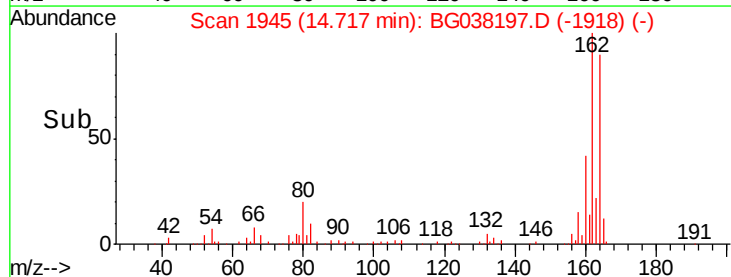
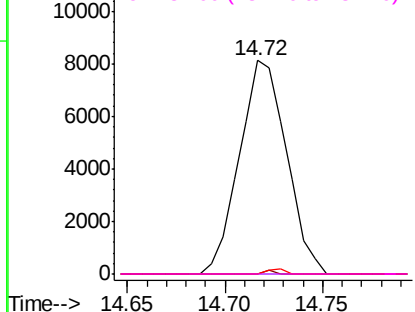


#57
 2,4-Dinitrotoluene
 Concen: 5.403 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038197.D
 Acq: 28 Nov 2018 12:03

Tgt Ion:165 Resp: 13539
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 0.0 57.2 85.8#
 182 0.0 2.6 4.0#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

Instrument :

BNA_G

ClientSampleId :

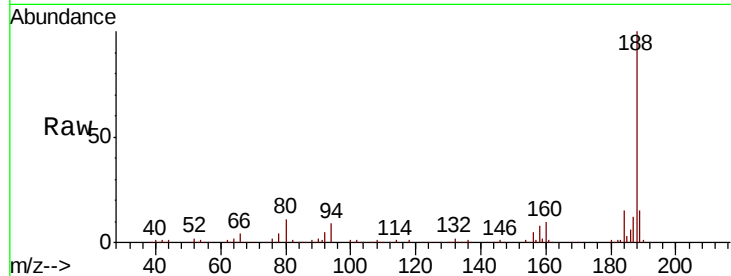
Tot Ion:188 Resp: 232249

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

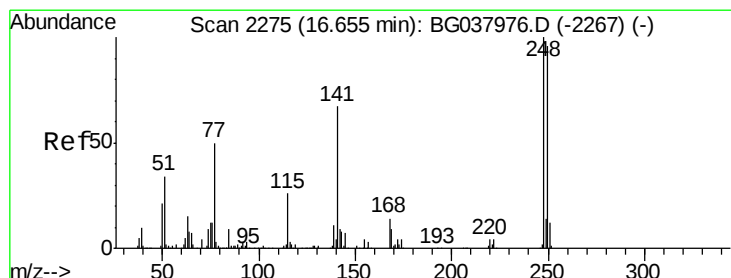
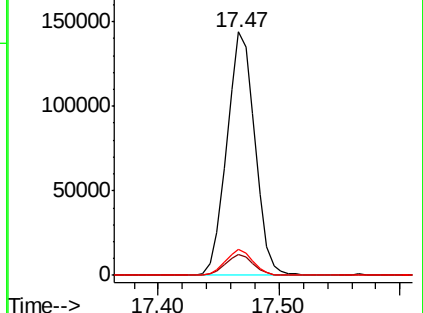
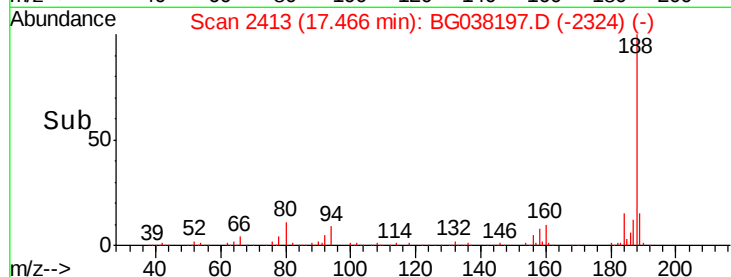
80 10.5 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.224 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

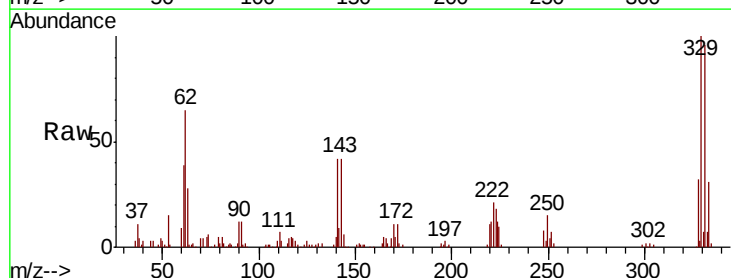
Tgt Ion:248 Resp: 8219

Ion Ratio Lower Upper

248 100

250 183.0 77.0 115.6#

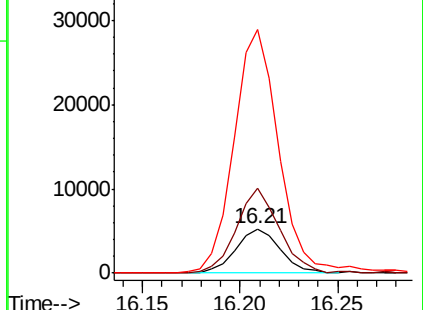
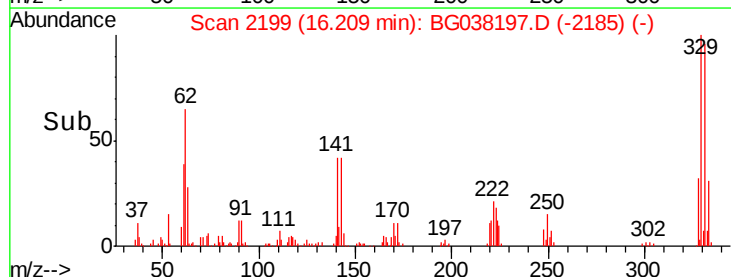
141 410.1 55.5 83.3#



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

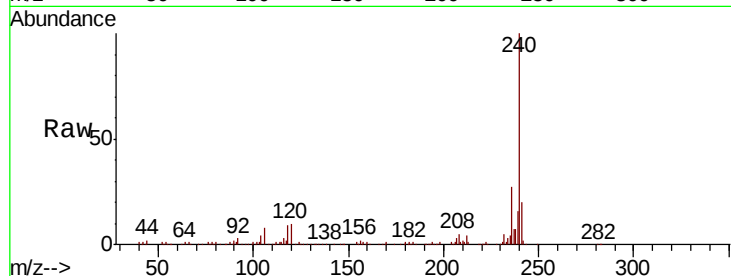




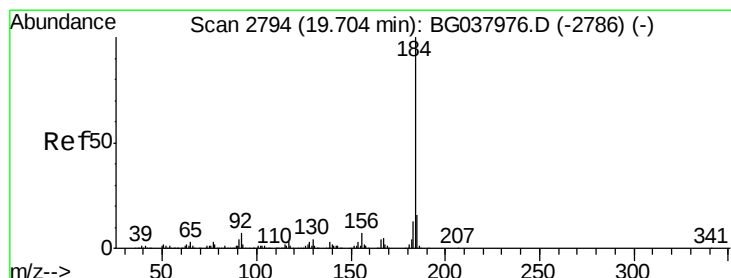
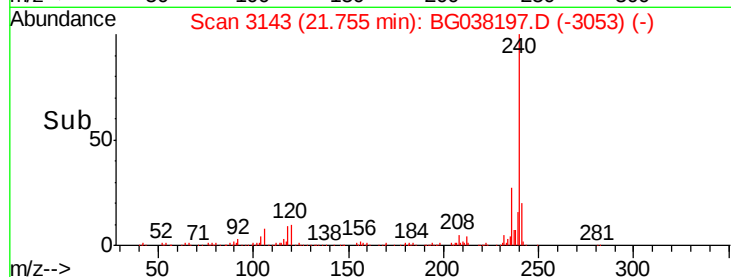
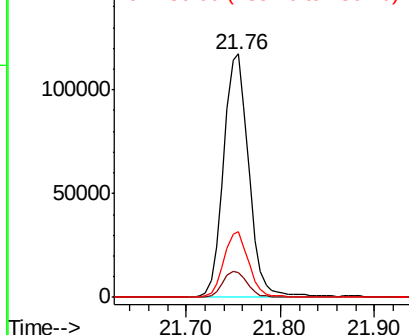
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BG038197.D
Acq: 28 Nov 2018 12:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 219913
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 26.8 21.4 32.0

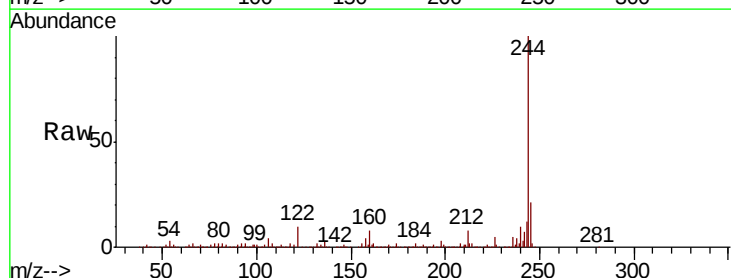


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

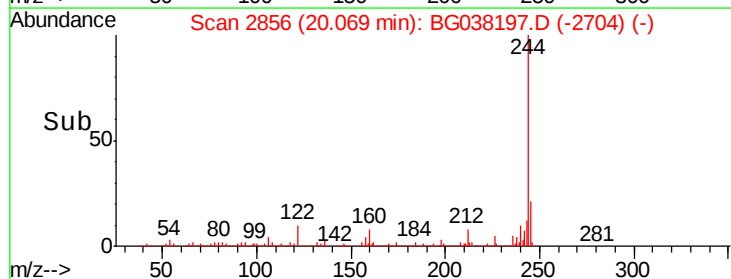
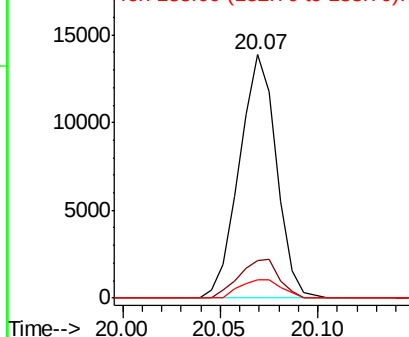


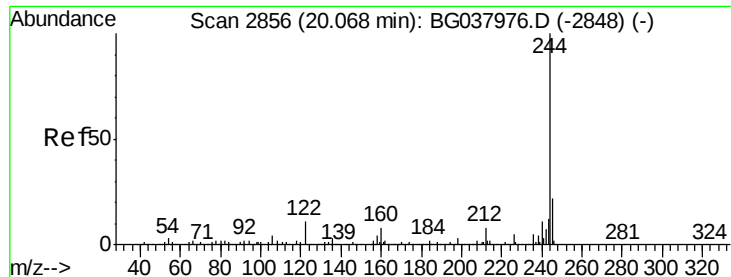
#77
Benzidine
Concen: 2.367 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.36 min
Lab File: BG038197.D
Acq: 28 Nov 2018 12:03

Tgt Ion:184 Resp: 18268
Ion Ratio Lower Upper
184 100
185 15.2 12.6 18.8
183 7.6 10.2 15.2#



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





#79

Terphenyl-d14

Concen: 109.639 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

Instrument :

BNA_G

ClientSampled :

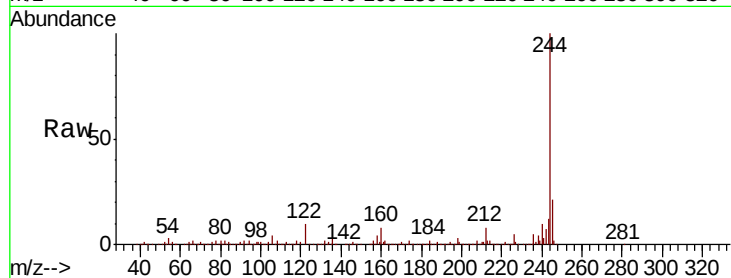
Tot Ion:244 Resp: 1024694

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

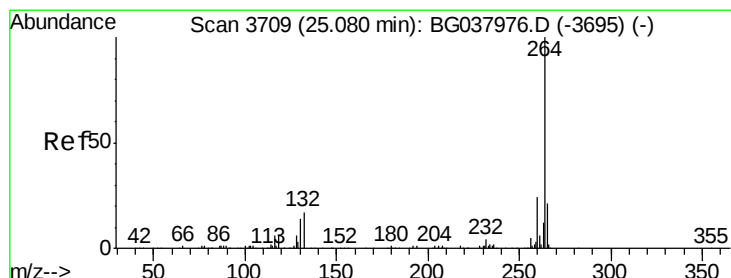
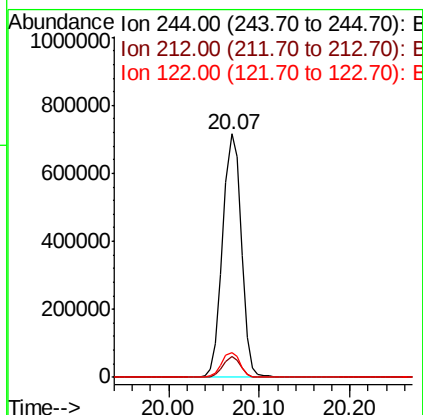
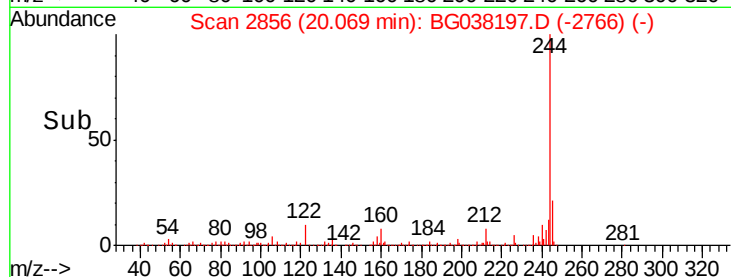
122 10.3 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3708

Delta R.T. -0.01 min

Lab File: BG038197.D

Acq: 28 Nov 2018 12:03

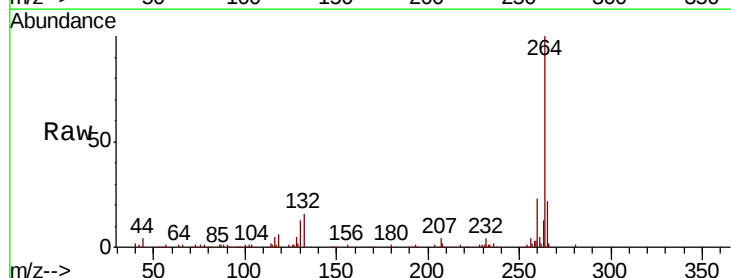
Tgt Ion:264 Resp: 213497

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 22.0 17.9 26.9



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

