

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112818\
 Data File : BG038223.D
 Acq On : 29 Nov 2018 7:14
 Operator : JU/SJ
 Sample : J6069-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 29 10:19:33 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	31593	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	149463	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	96662	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	212117	20.00	ng	0.00
76) Chrysene-d12	21.75	240	201691	20.00	ng	0.00
87) Perylene-d12	25.08	264	188333	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	73380	40.10	ng	0.00
7) Phenol-d6	7.22	99	66857	25.60	ng	0.00
23) Nitrobenzene-d5	9.26	82	269646	96.57	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	81708	74.12	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	621483	93.67	ng	0.00
79) Terphenyl-d14	20.07	244	893002	104.18	ng	0.00

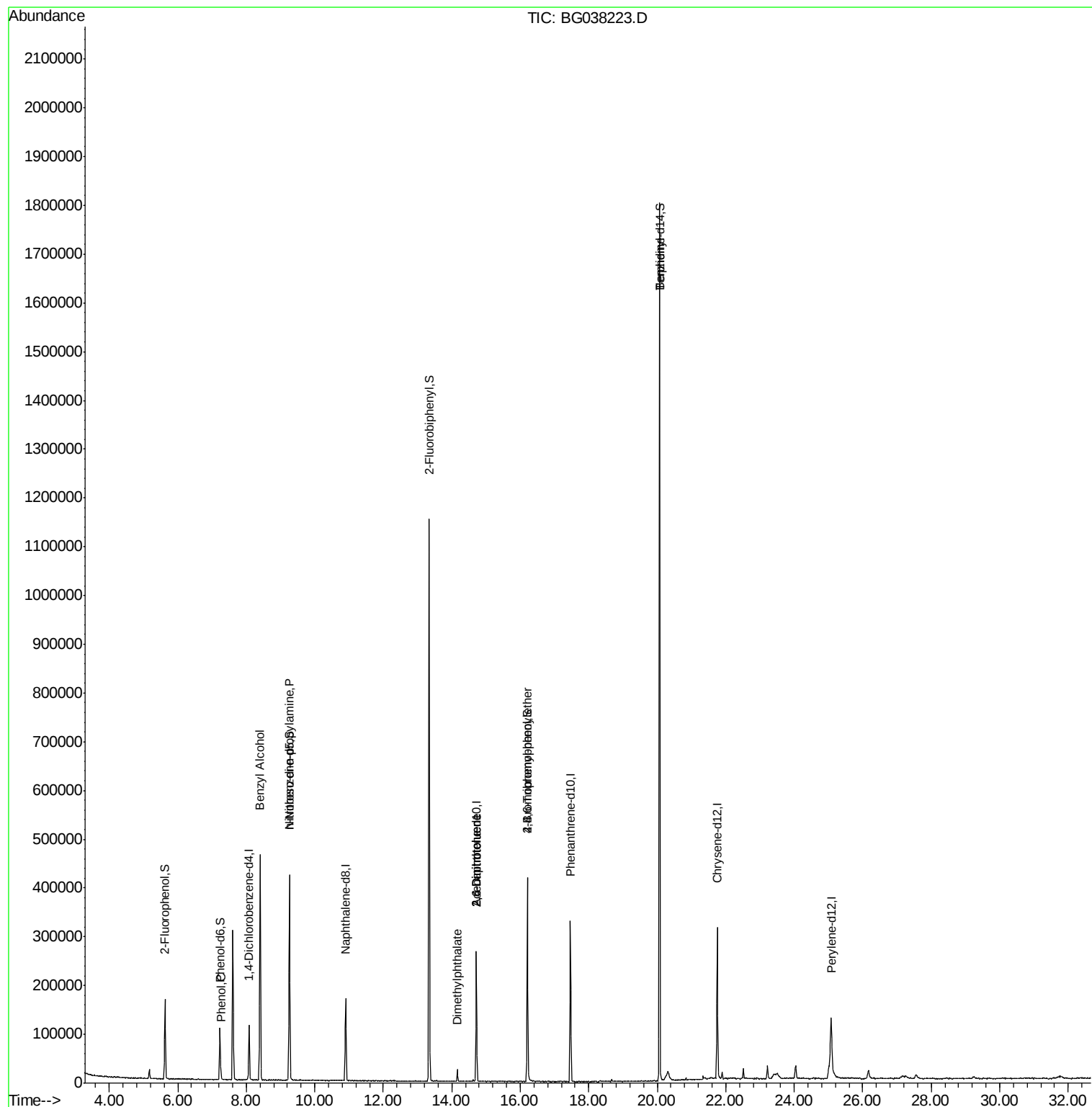
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.26	94	8097	2.927	ng	96
15) Benzyl Alcohol	8.41	79	3935	2.082	ng	# 41
19) n-Nitroso-di-n-propylamine	9.26	70	34750	18.387	ng	# 73
50) Dimethylphthalate	14.16	163	18891	2.465	ng	# 95
51) 2,6-Dinitrotoluene	14.72	165	12191	7.029	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	12191	5.166	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	5592	2.402	ng	# 1
77) Benzidine	20.07	184	15148	2.140	ng	# 86

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

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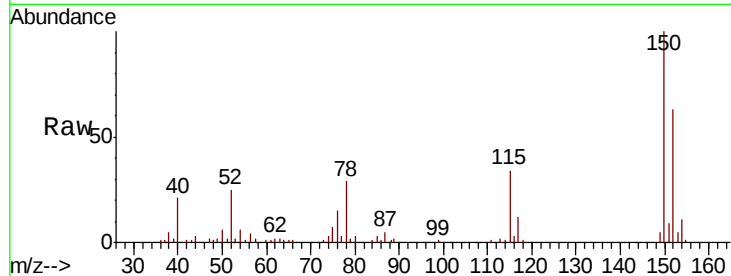


#1

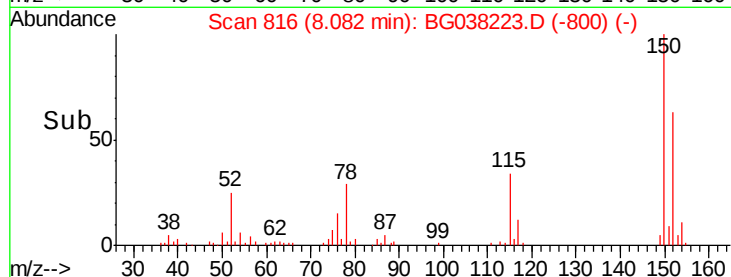
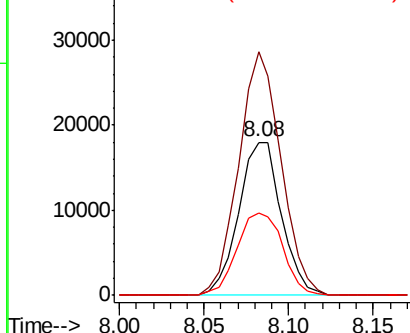
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038223.D
Acq: 29 Nov 2018 7:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31593
Ion Ratio Lower Upper
152 100
150 159.2 126.0 189.0
115 53.7 45.5 68.3



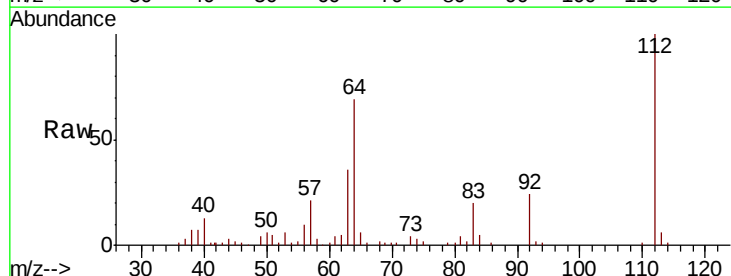
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



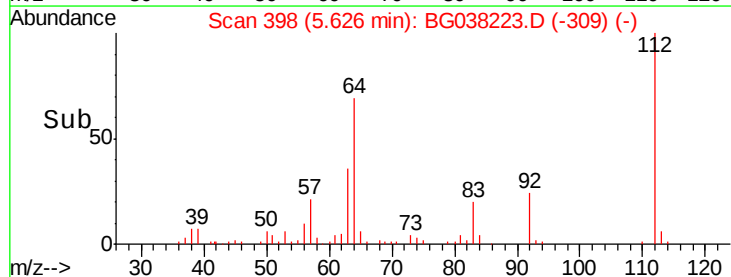
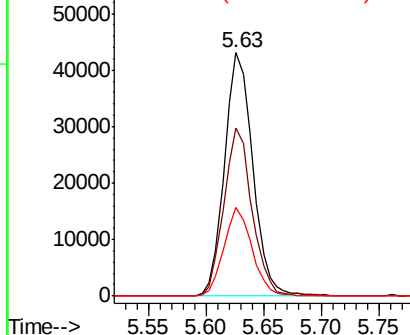
#5

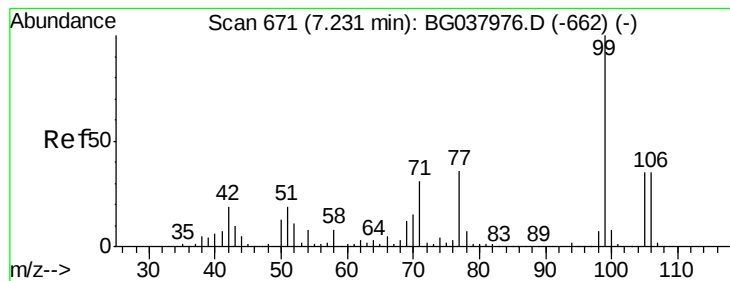
2-Fluorophenol
Concen: 40.102 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG038223.D
Acq: 29 Nov 2018 7:14

Tgt Ion:112 Resp: 73380
Ion Ratio Lower Upper
112 100
64 69.1 53.1 79.7
63 36.3 27.3 40.9



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: 25.597 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

Instrument :

BNA_G

ClientSampleId :

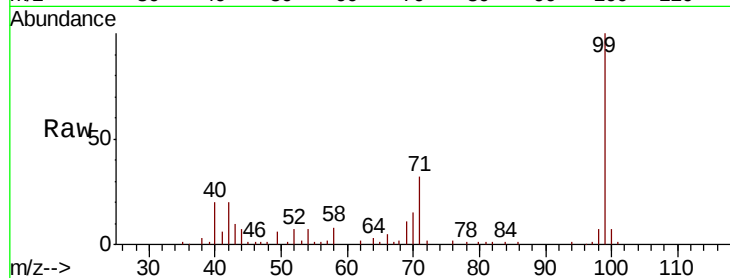
Tot Ion: 99 Resp: 66857

Ion Ratio Lower Upper

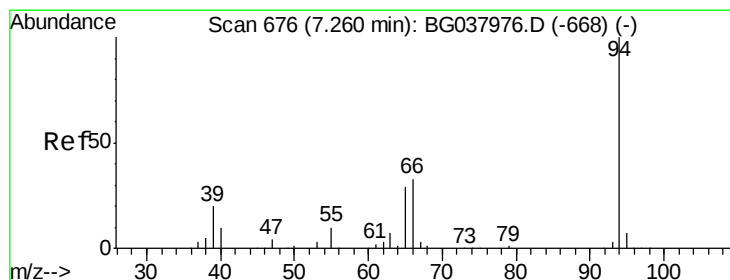
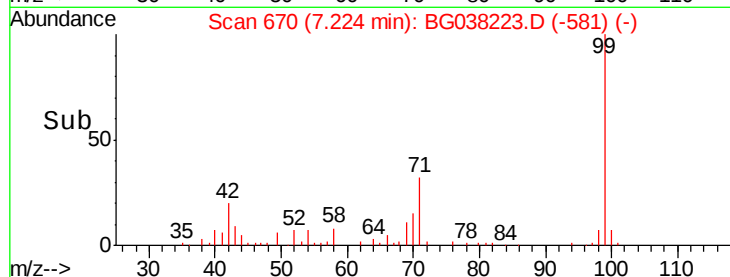
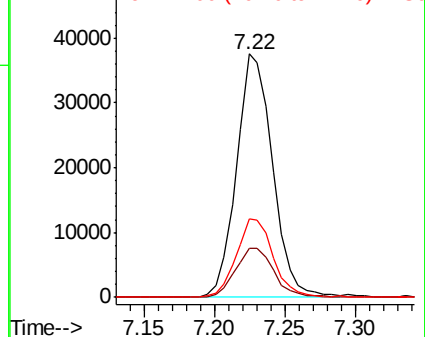
99 100

42 20.1 15.0 22.4

71 32.3 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: 2.927 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

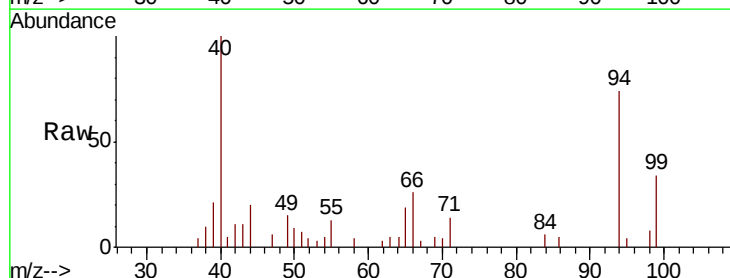
Tgt Ion: 94 Resp: 8097

Ion Ratio Lower Upper

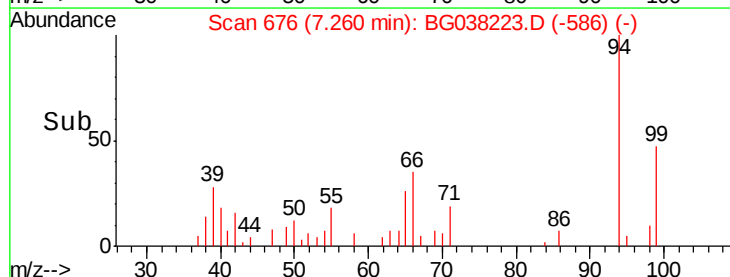
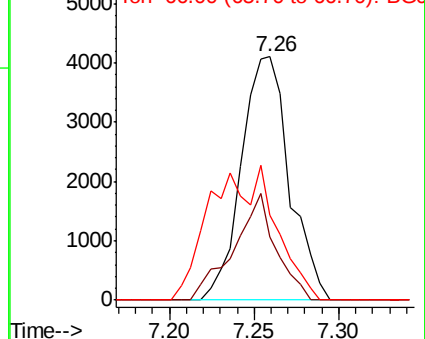
94 100

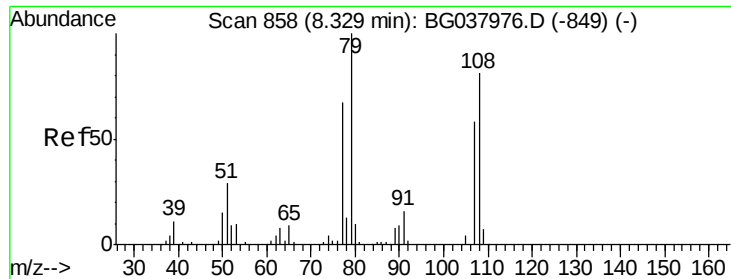
65 25.8 9.7 49.7

66 35.0 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





#15

Benzyl Alcohol

Concen: 2.082 ng

RT: 8.41 min Scan# 871

Delta R.T. 0.08 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

Instrument :

BNA_G

ClientSampleId :

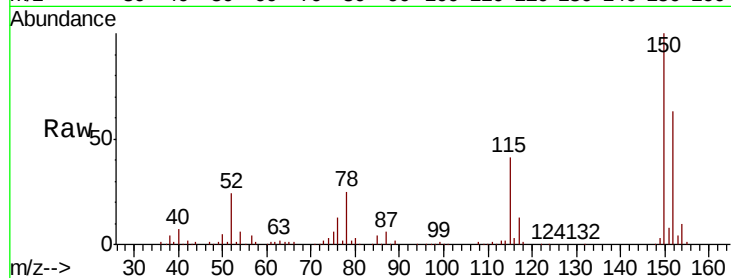
Tot Ion: 79 Resp: 3935

Ion Ratio Lower Upper

79 100

108 35.5 65.8 98.8#

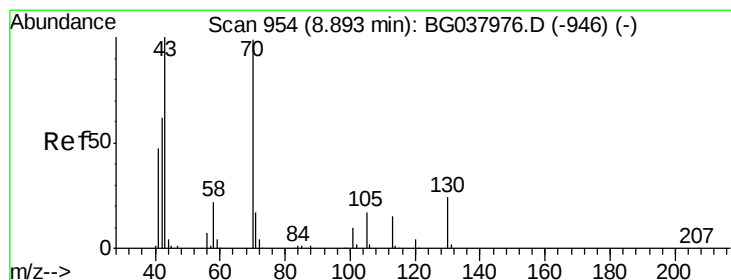
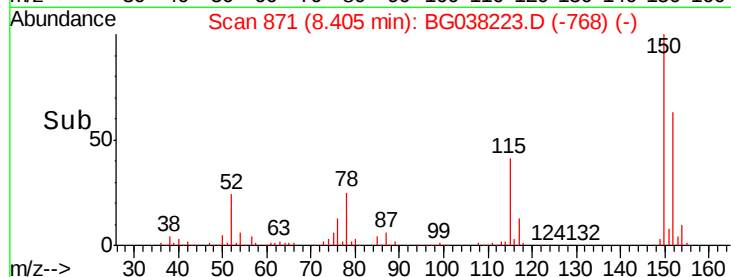
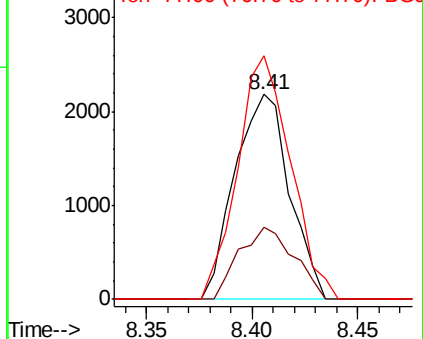
77 119.0 52.9 79.3#



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: 18.387 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

Tgt Ion: 70 Resp: 34750

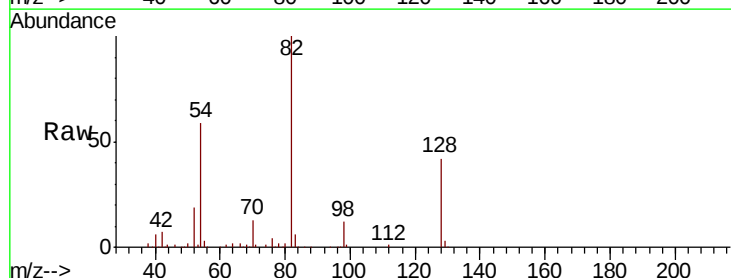
Ion Ratio Lower Upper

70 100

42 50.2 53.9 80.9#

101 0.0 8.2 12.2#

130 2.1 18.2 27.4#

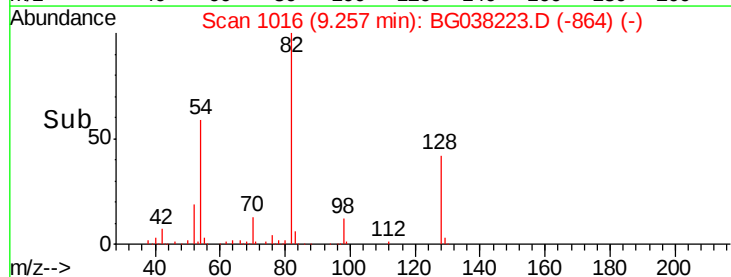
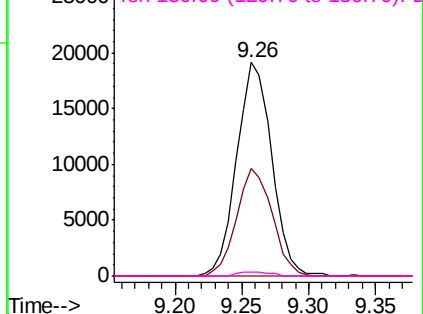


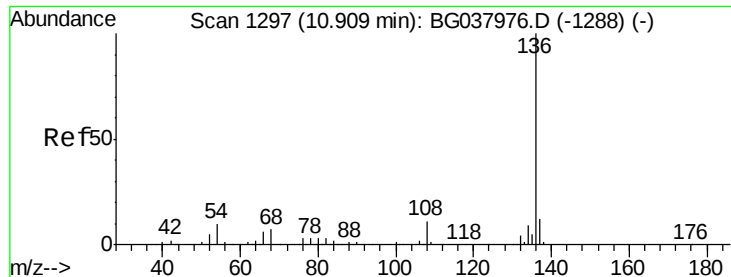
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG038223.D

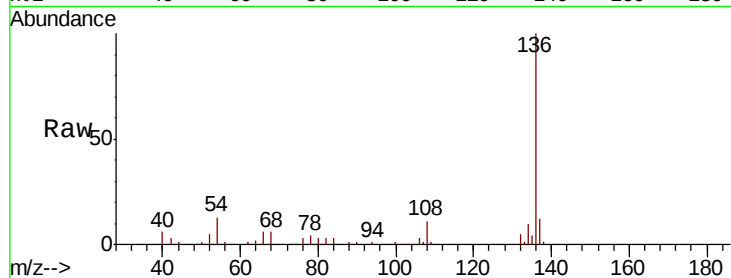
Acq: 29 Nov 2018 7:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	149463
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.6 14.4
54	12.8	7.9 11.9#
68	6.0	4.8 7.2

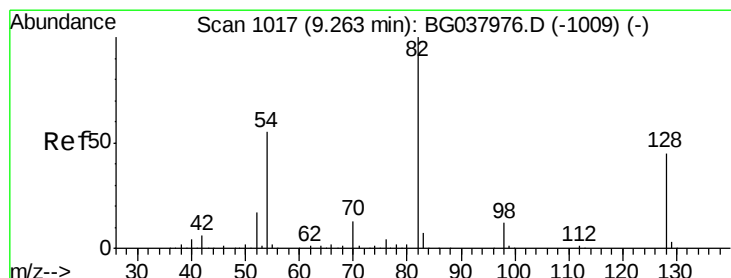
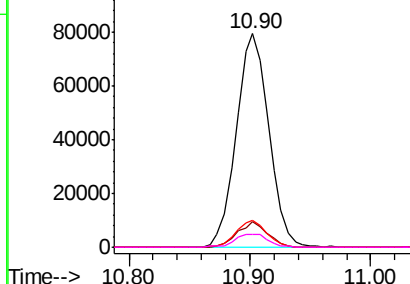
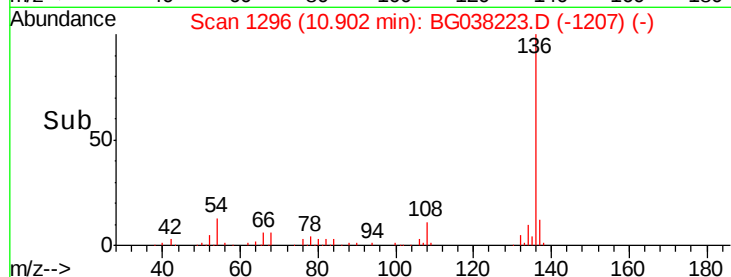


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.574 ng

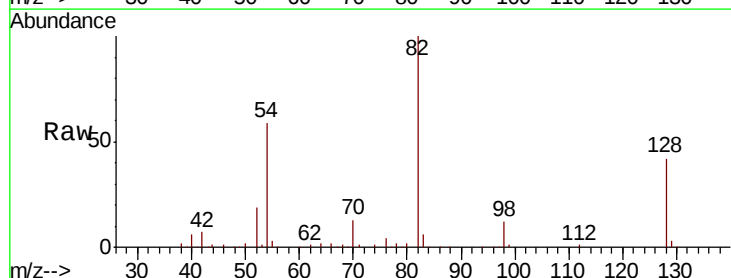
RT: 9.26 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

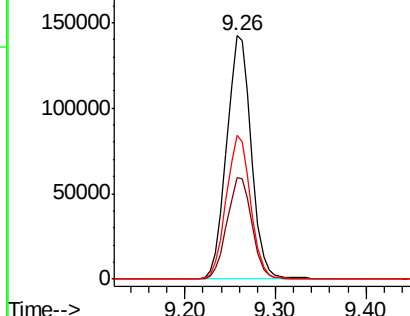
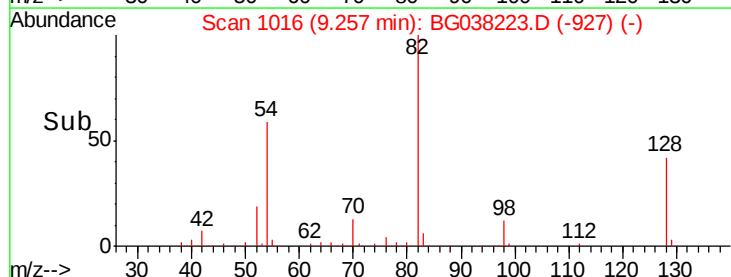
Tgt Ion: 82	Resp:	269646
Ion Ratio	Lower	Upper
82	100	
128	41.6	34.6 51.8
54	59.1	45.3 67.9

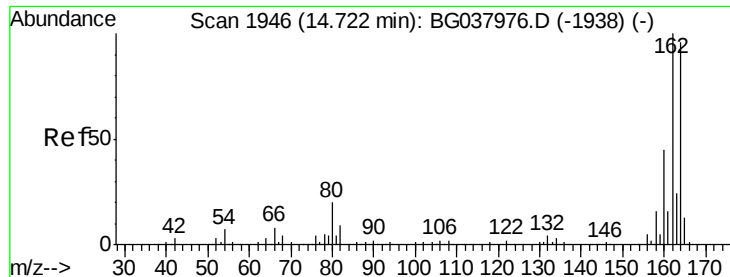


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

Instrument :

BNA_G

ClientSampleId :

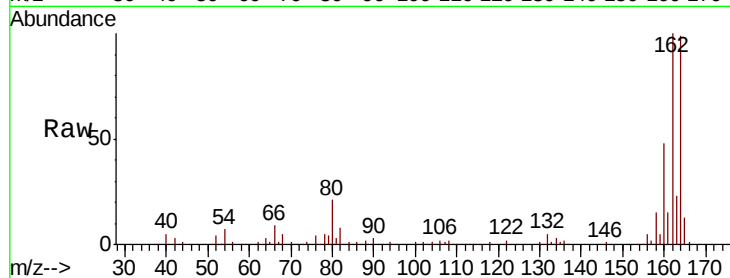
Tot Ion:164 Resp: 96662

Ion Ratio Lower Upper

164 100

162 100.6 81.3 121.9

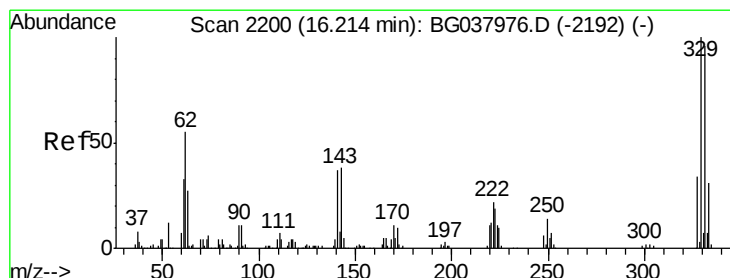
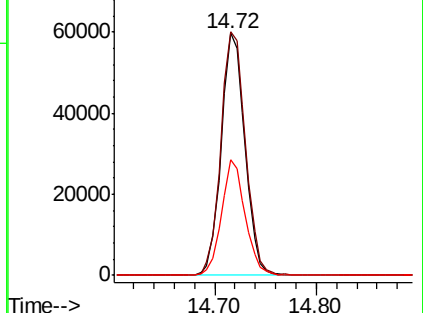
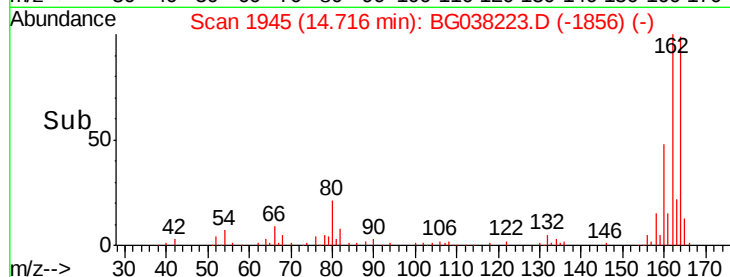
160 47.9 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 74.118 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

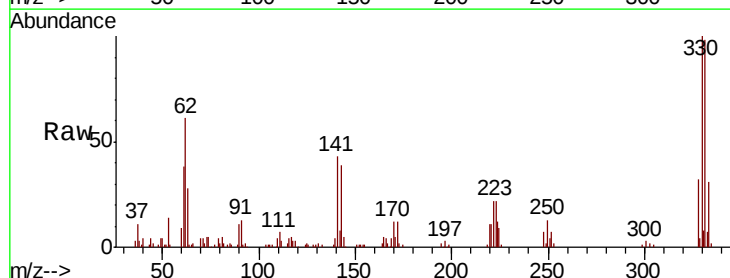
Tgt Ion:330 Resp: 81708

Ion Ratio Lower Upper

330 100

332 94.2 78.4 117.6

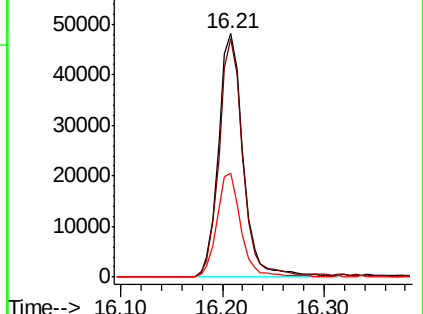
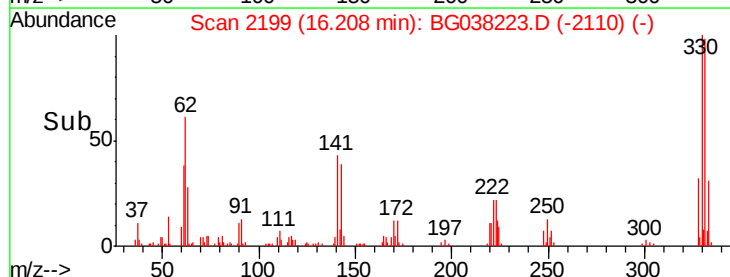
141 41.6 32.2 48.2

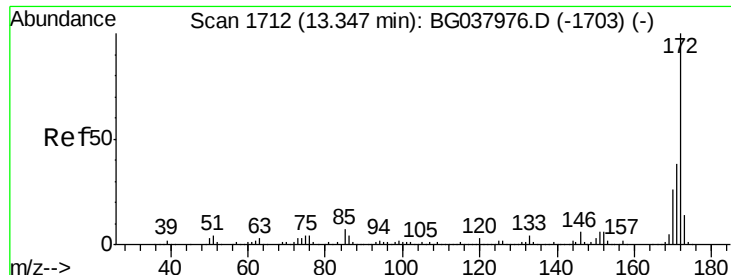


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

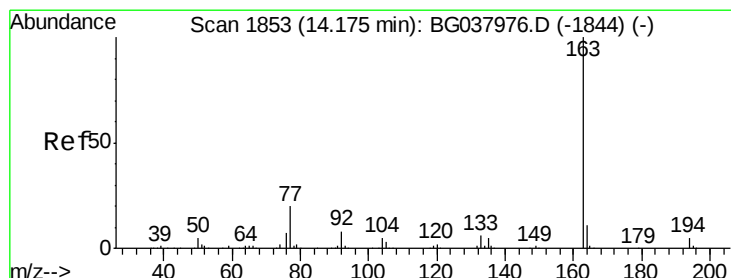
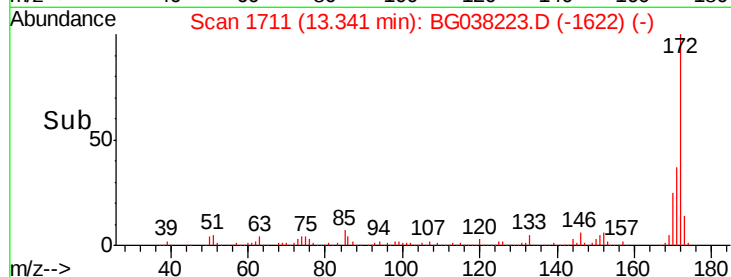
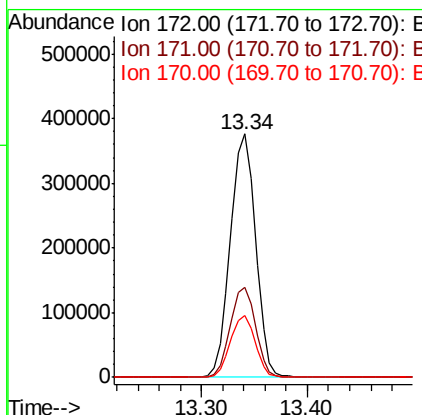
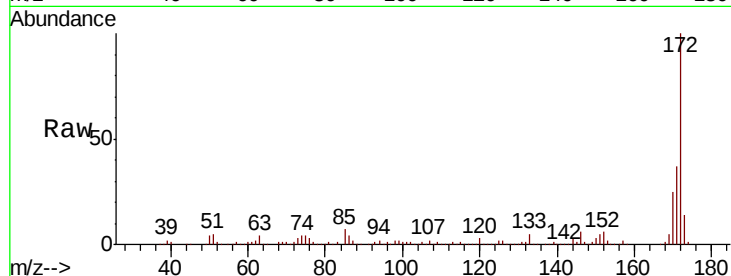




#45
 2-Fluorobiphenyl
 Concen: 93.667 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG038223.D
 Acq: 29 Nov 2018 7:14

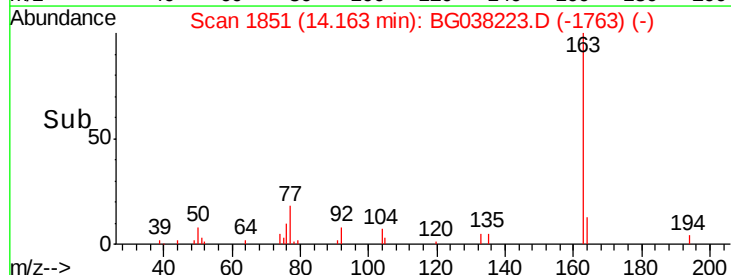
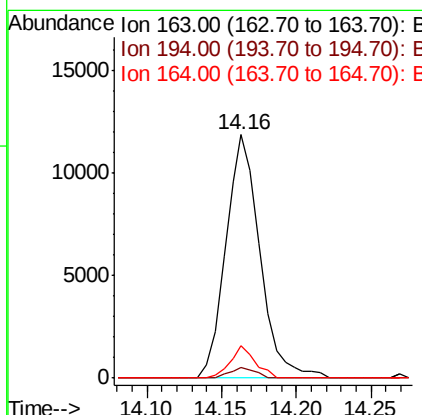
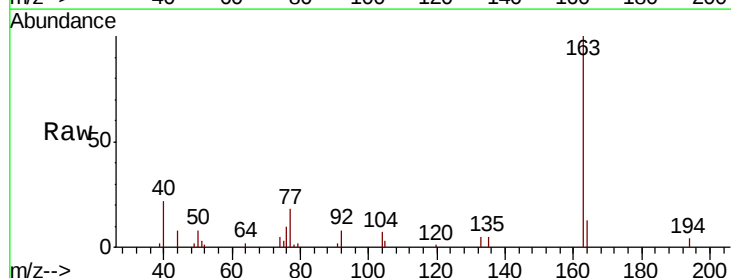
Instrument :
 BNA_G
 ClientSampled :

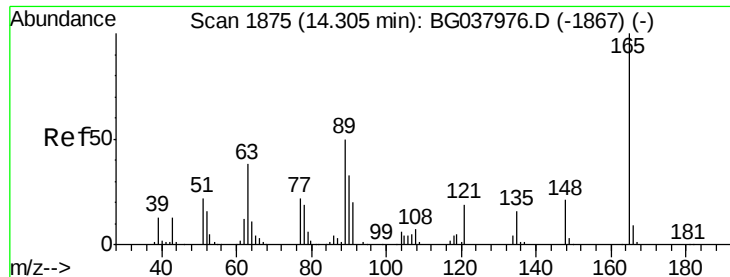
Tot Ion:172 Resp: 621483
 Ion Ratio Lower Upper
 172 100
 171 36.8 31.0 46.4
 170 25.3 20.2 30.2



#50
 Dimethylphthalate
 Concen: 2.465 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG038223.D
 Acq: 29 Nov 2018 7:14

Tgt Ion:163 Resp: 18891
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.5 5.3
 164 13.4 8.5 12.7#

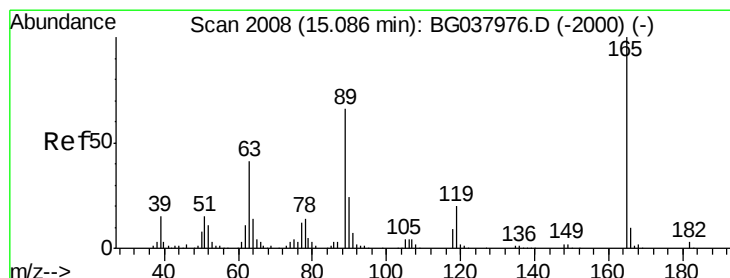
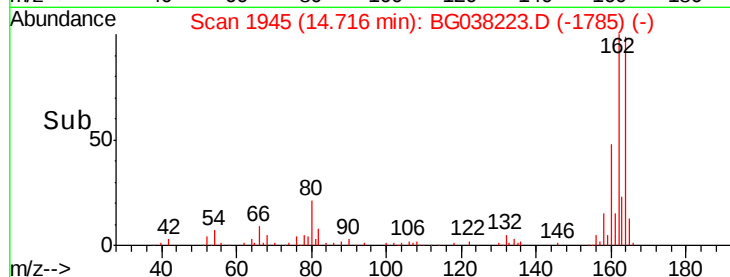
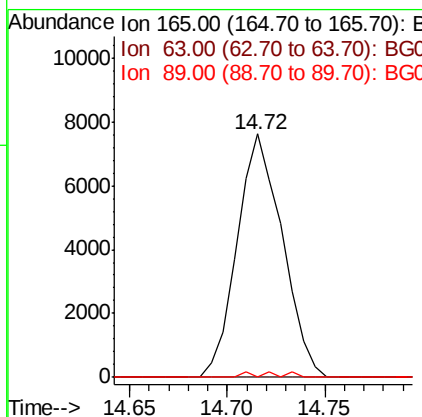
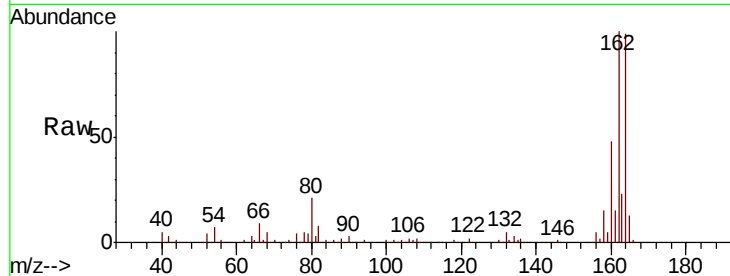




#51
 2,6-Dinitrotoluene
 Concen: 7.029 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038223.D
 Acq: 29 Nov 2018 7:14

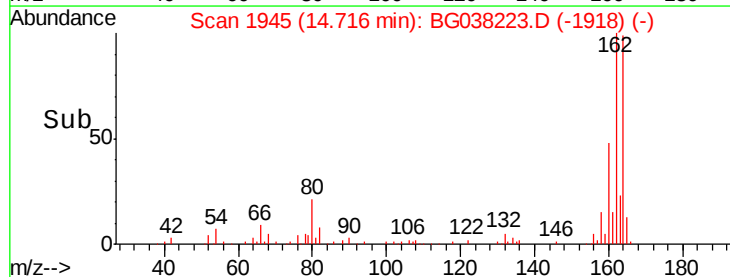
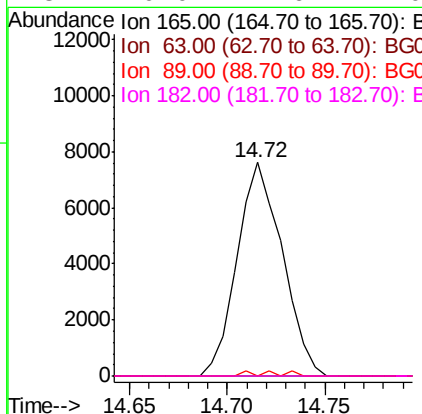
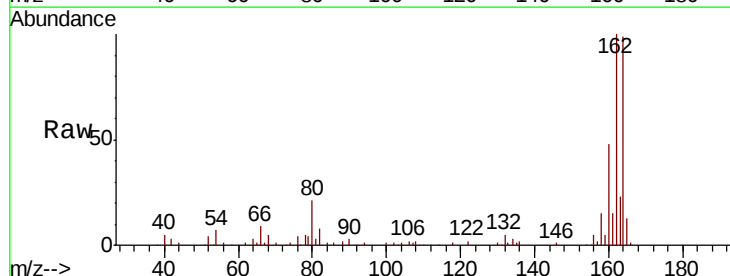
Instrument :
 BNA_G
 ClientSampleId :

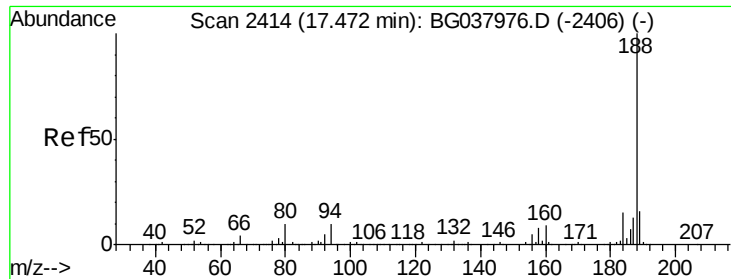
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.166 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038223.D
 Acq: 29 Nov 2018 7:14

Tgt 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

Instrument :

BNA_G

ClientSampleId :

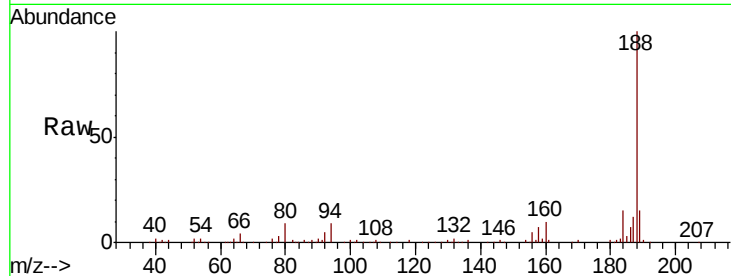
Tot Ion:188 Resp: 212117

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

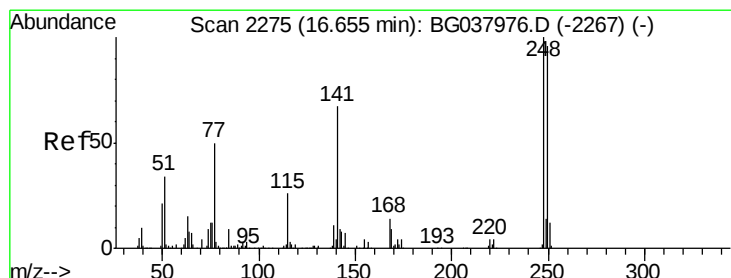
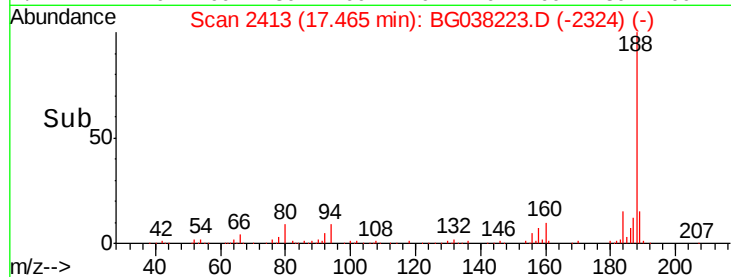
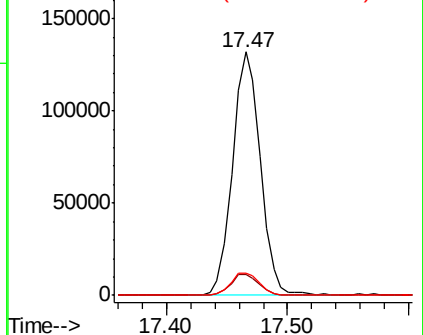
80 9.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 2.402 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.45 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

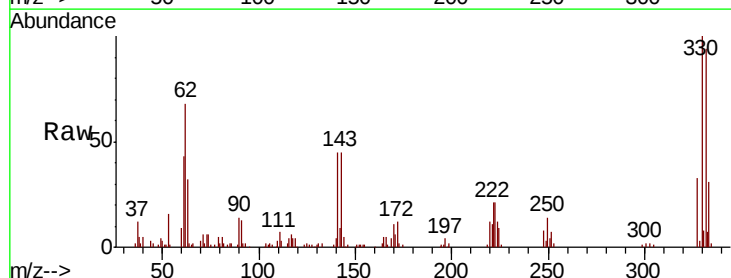
Tgt Ion:248 Resp: 5592

Ion Ratio Lower Upper

248 100

250 177.2 77.0 115.6#

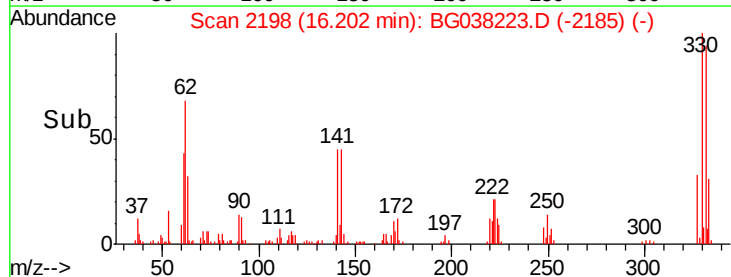
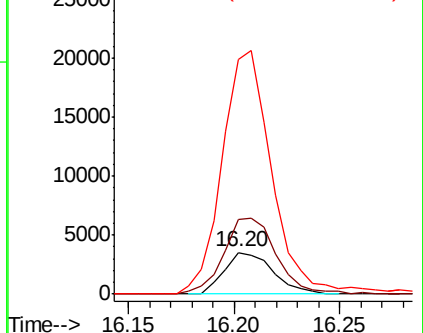
141 428.3 55.5 83.3#

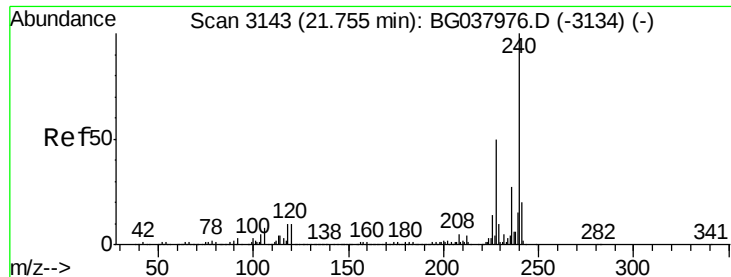


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

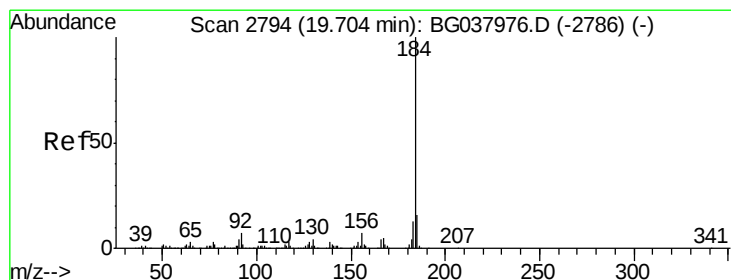
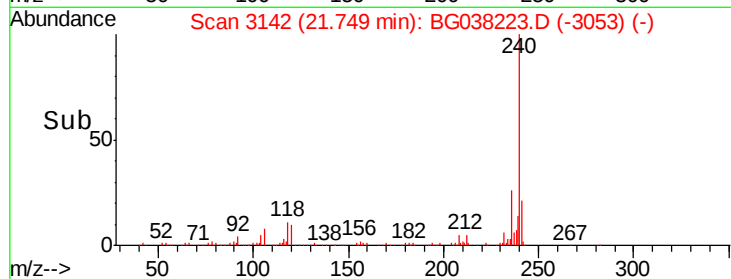
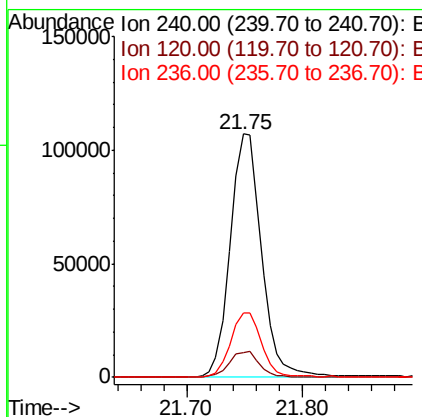
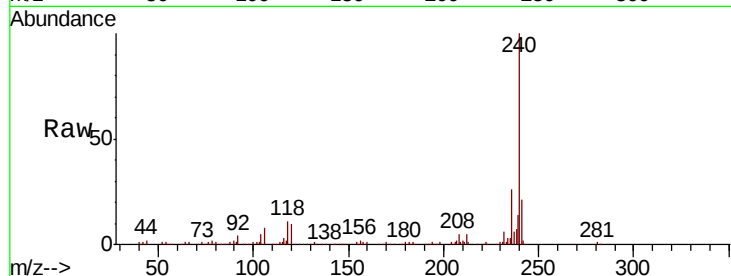




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3142
 Delta R.T. -0.01 min
 Lab File: BG038223.D
 Acq: 29 Nov 2018 7:14

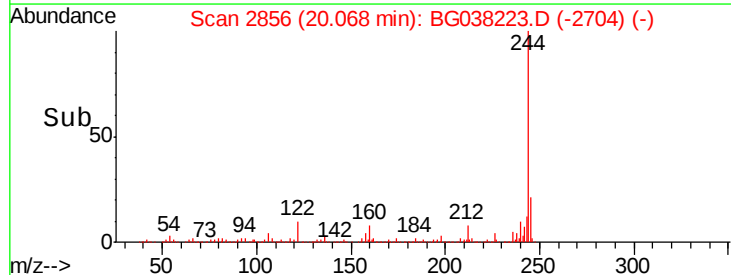
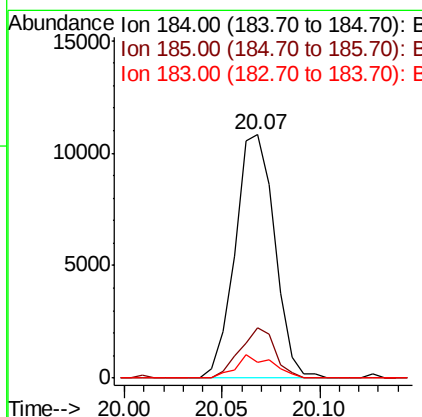
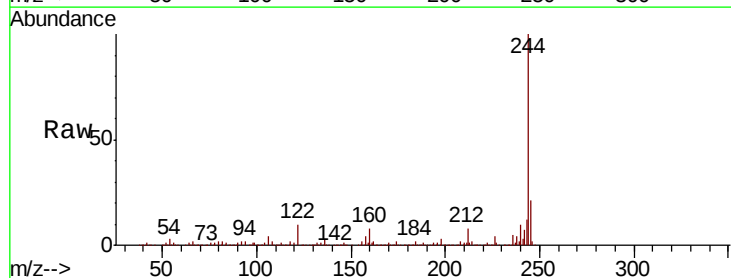
Instrument :
 BNA_G
 ClientSampled :

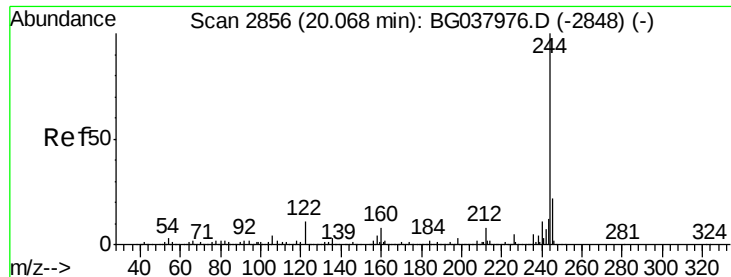
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.1	12.1
236	26.3	21.4	32.0



#77
 Benzidine
 Concen: 2.140 ng
 RT: 20.07 min Scan# 2856
 Delta R.T. 0.36 min
 Lab File: BG038223.D
 Acq: 29 Nov 2018 7:14

Tgt Ion	Ratio	Lower	Upper
184	100		
185	20.8	12.6	18.8#
183	6.7	10.2	15.2#





#79

Terphenyl-d14

Concen: 104.181 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

Instrument :

BNA_G

ClientSampleId :

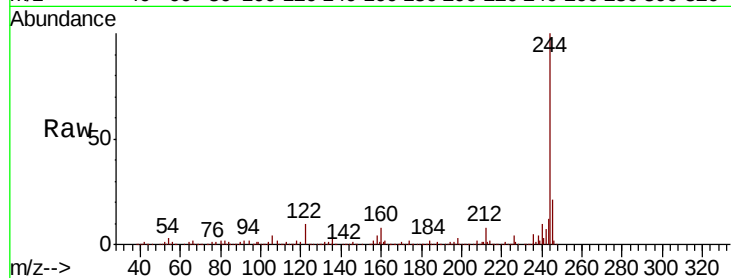
Tot Ion:244 Resp: 893002

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

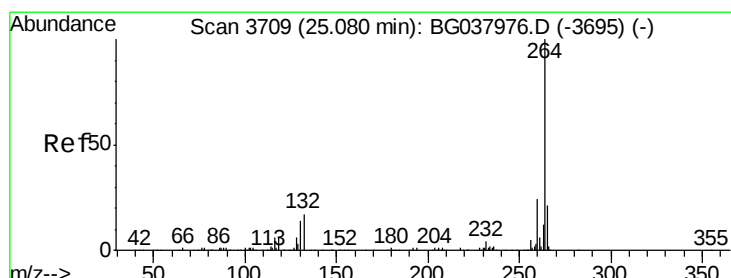
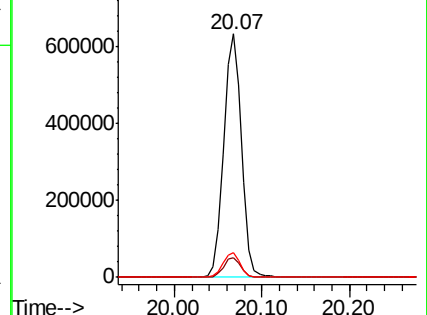
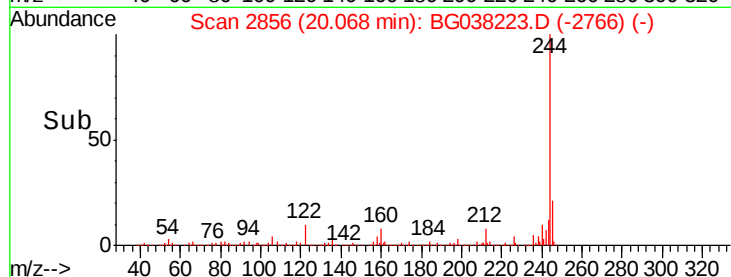
122 10.0 9.0 13.4



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# 3709

Delta R.T. -0.00 min

Lab File: BG038223.D

Acq: 29 Nov 2018 7:14

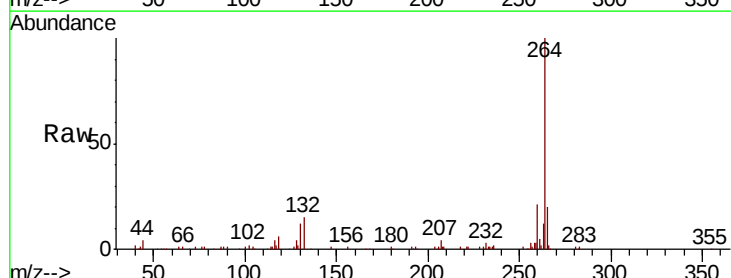
Tgt Ion:264 Resp: 188333

Ion Ratio Lower Upper

264 100

260 21.3 18.2 27.4

265 19.9 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

