

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112818\
 Data File : BG038229.D
 Acq On : 29 Nov 2018 11:09
 Operator : JU/SJ
 Sample : J6078-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 29 12:15:14 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

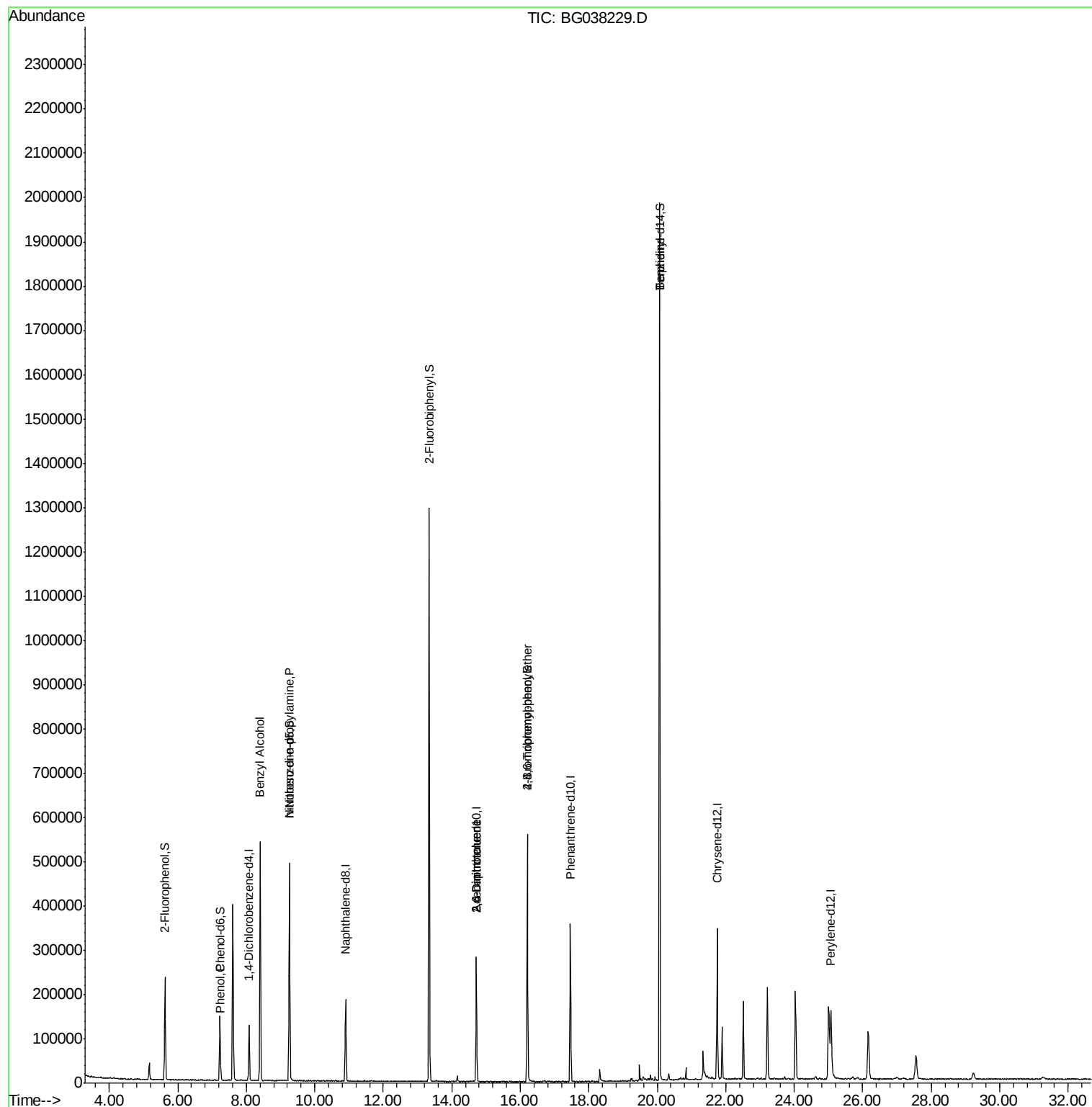
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	35221	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	162304	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	100558	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	222537	20.00	ng	0.00
76) Chrysene-d12	21.75	240	211451	20.00	ng	0.00
87) Perylene-d12	25.07	264	200890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	101652	49.83	ng	0.00
7) Phenol-d6	7.23	99	88718	30.47	ng	0.00
23) Nitrobenzene-d5	9.26	82	305106	100.63	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	103519	90.26	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	681503	98.73	ng	0.00
79) Terphenyl-d14	20.07	244	947852	105.48	ng	0.00
Target Compounds						
10) Phenol	7.25	94	8918	2.891	ng	87
15) Benzyl Alcohol	8.41	79	4544	2.157	ng	# 35
19) n-Nitroso-di-n-propylamine	9.26	70	40308	19.131	ng	# 76
51) 2,6-Dinitrotoluene	14.72	165	13043	7.229	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	13043	5.313	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	7337	3.004	ng	# 1
77) Benizidine	20.07	184	16717	2.253	ng	96

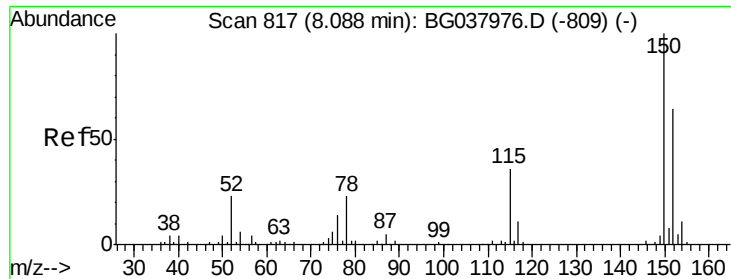
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



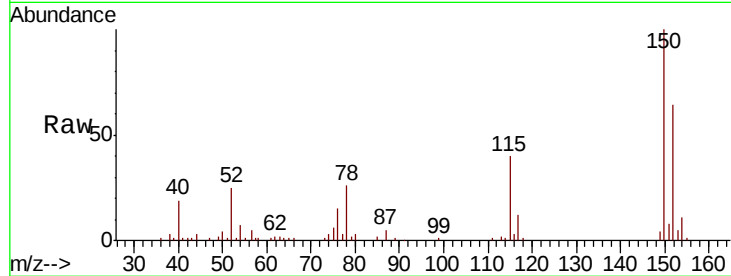


#1

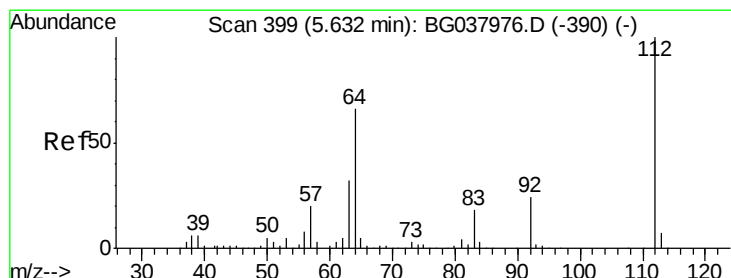
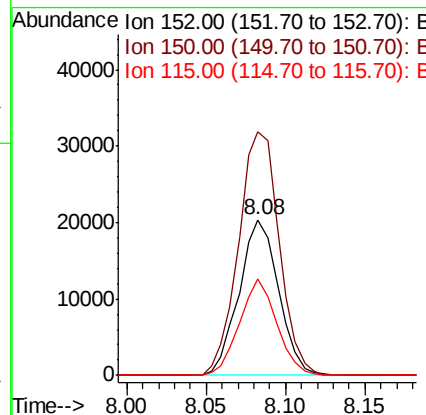
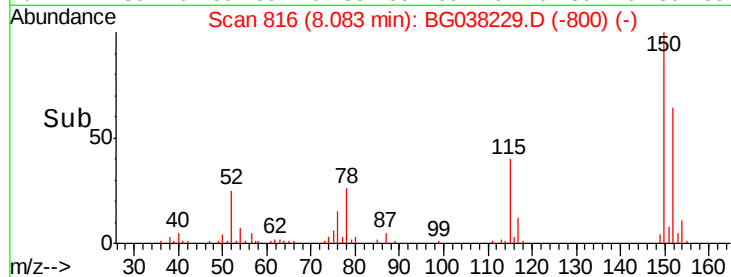
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038229.D
Acq: 29 Nov 2018 11:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35221
Ion Ratio Lower Upper
152 100
150 156.7 126.0 189.0
115 62.1 45.5 68.3



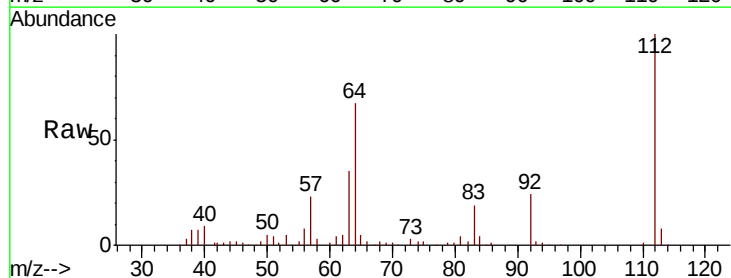
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



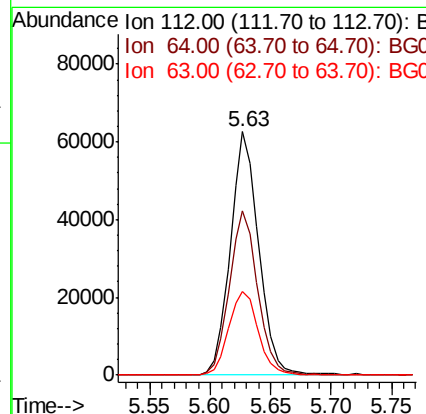
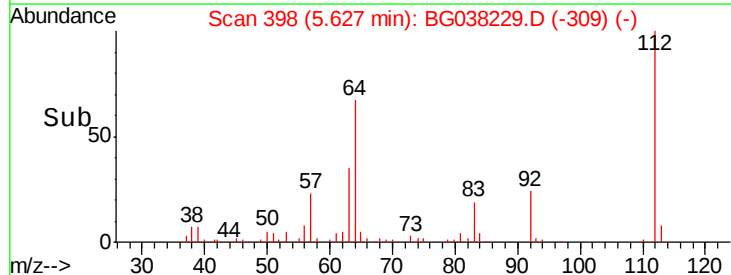
#5

2-Fluorophenol
Concen: 49.831 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG038229.D
Acq: 29 Nov 2018 11:09

Tgt Ion:112 Resp: 101652
Ion Ratio Lower Upper
112 100
64 67.4 53.1 79.7
63 34.5 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: 30.467 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

Instrument :

BNA_G

ClientSampleId :

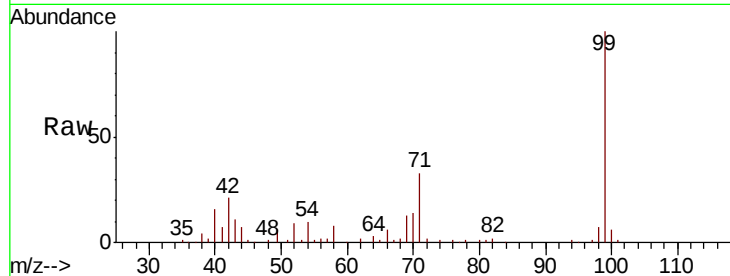
Tot Ion: 99 Resp: 88718

Ion Ratio Lower Upper

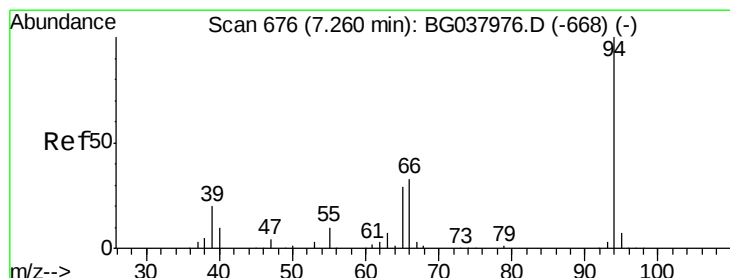
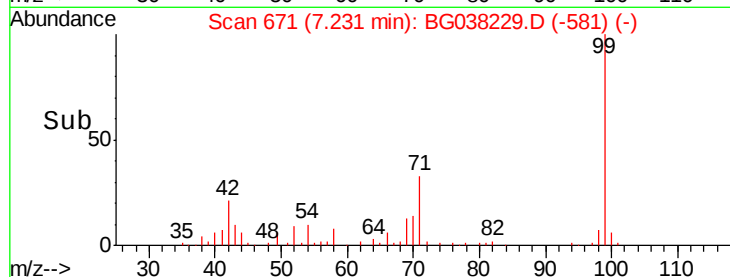
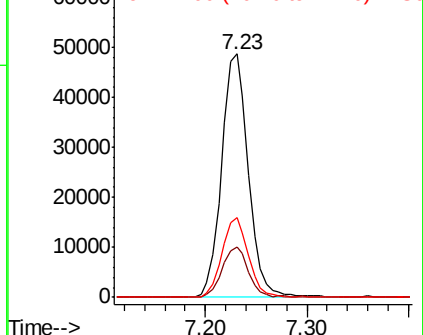
99 100

42 20.7 15.0 22.4

71 32.5 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: 2.891 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.01 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

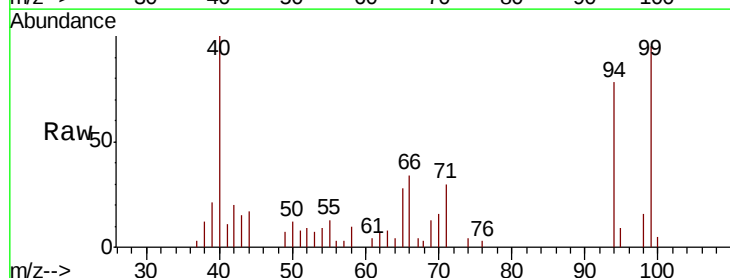
Tgt Ion: 94 Resp: 8918

Ion Ratio Lower Upper

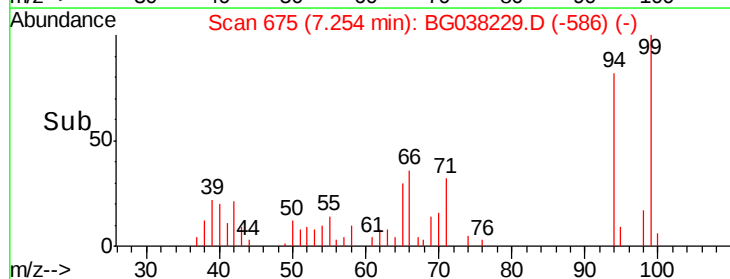
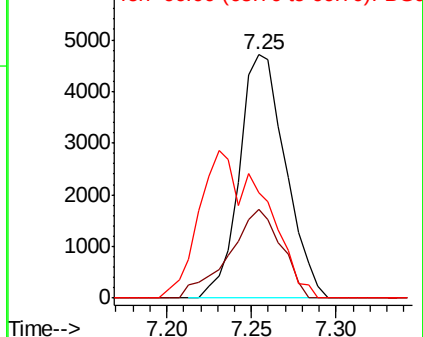
94 100

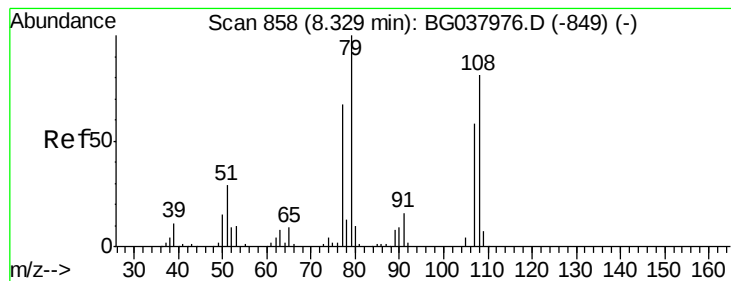
65 36.5 9.7 49.7

66 43.5 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: 2.157 ng

RT: 8.41 min Scan# 872

Delta R.T. 0.08 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

Instrument :

BNA_G

ClientSampleId :

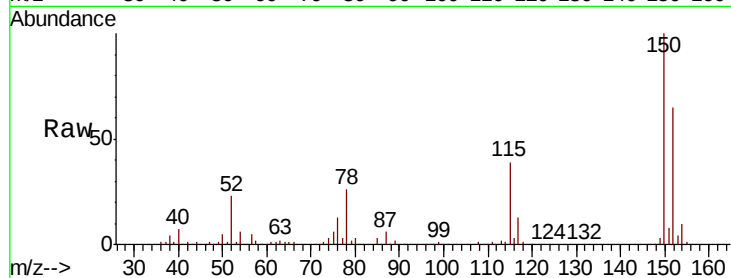
Tot Ion: 79 Resp: 4544

Ion Ratio Lower Upper

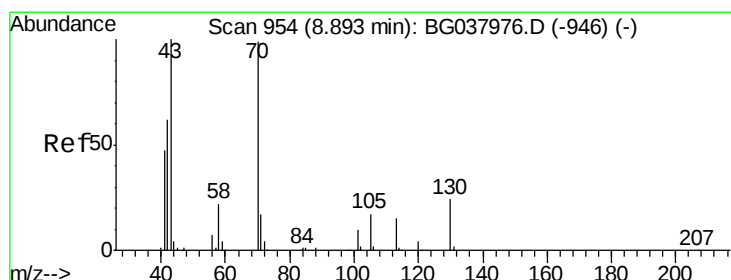
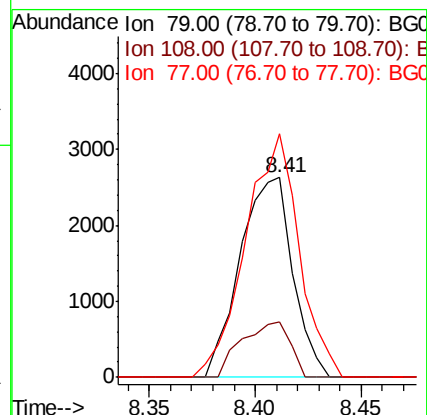
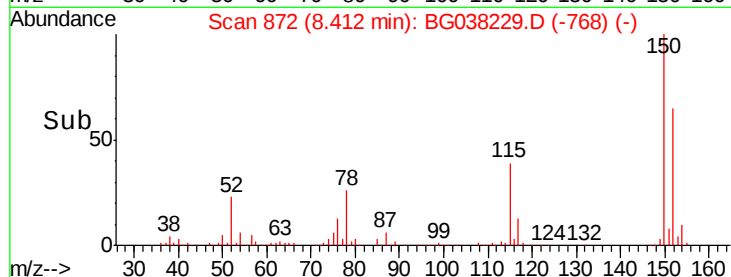
79 100

108 27.9 65.8 98.8#

77 121.8 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: 19.131 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

Tgt Ion: 70 Resp: 40308

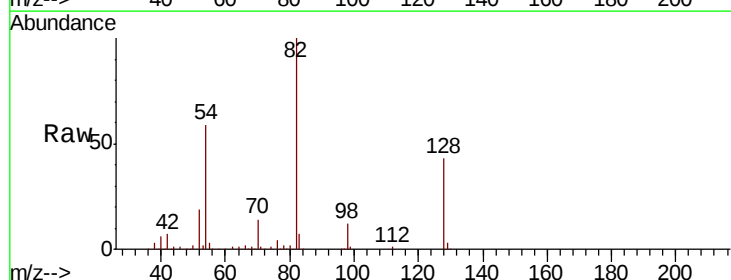
Ion Ratio Lower Upper

70 100

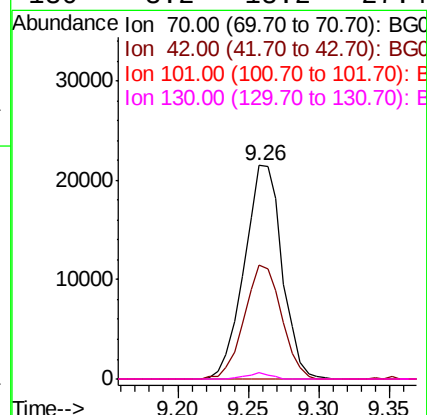
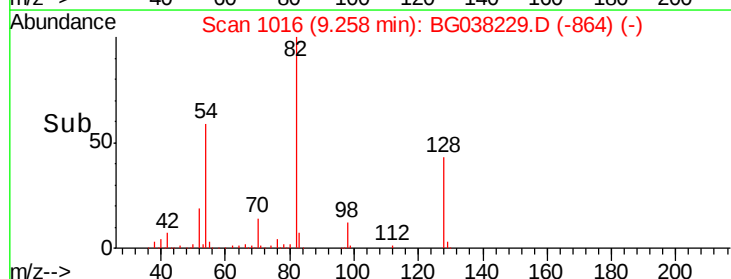
42 53.2 53.9 80.9#

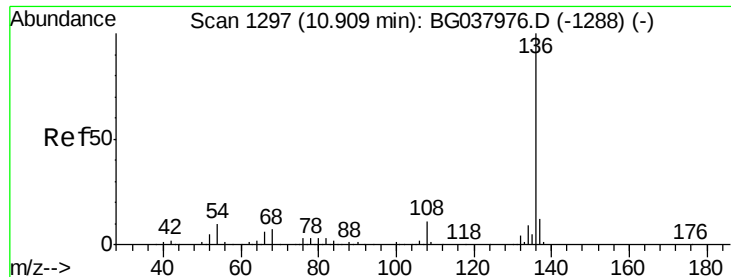
101 0.0 8.2 12.2#

130 3.2 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: BG038229.D

Acq: 29 Nov 2018 11:09

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 162304

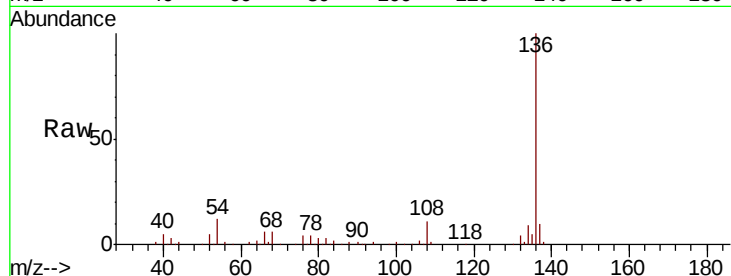
Ion Ratio Lower Upper

136 100

137 10.4 9.6 14.4

54 11.6 7.9 11.9

68 5.7 4.8 7.2

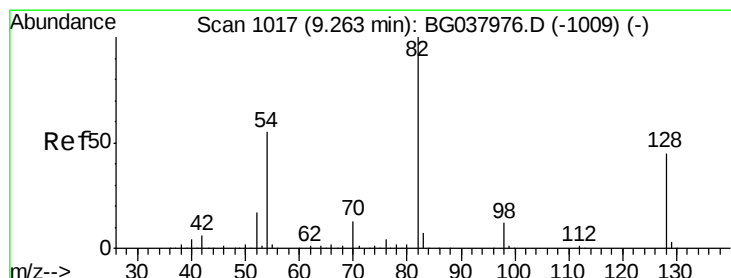
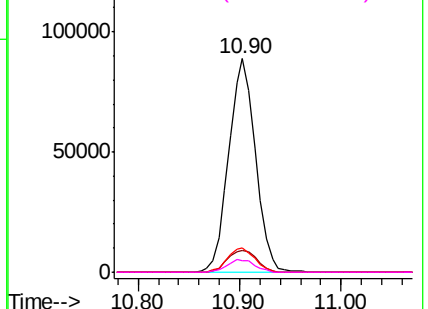
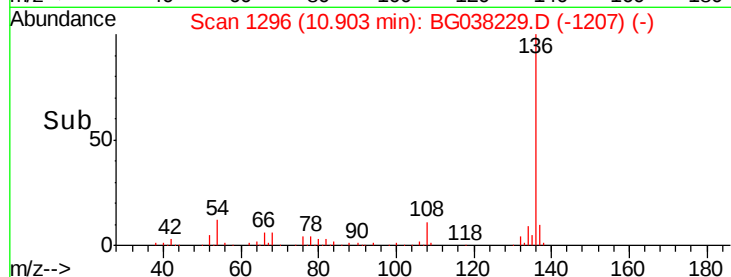


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.629 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

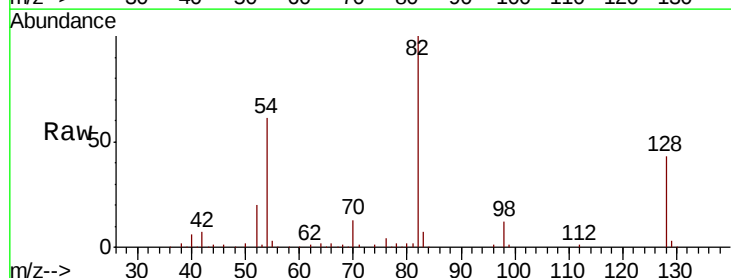
Tgt Ion: 82 Resp: 305106

Ion Ratio Lower Upper

82 100

128 42.9 34.6 51.8

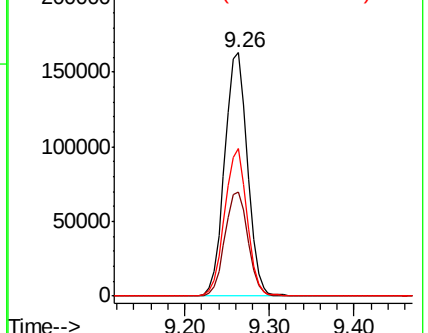
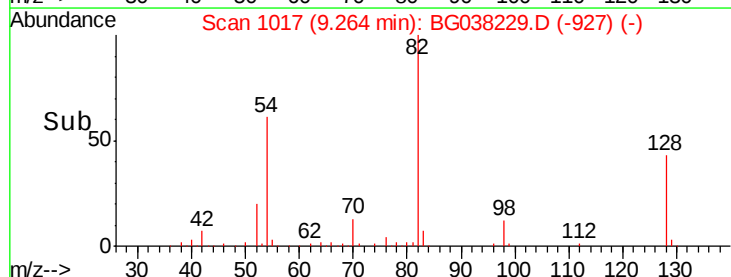
54 60.5 45.3 67.9

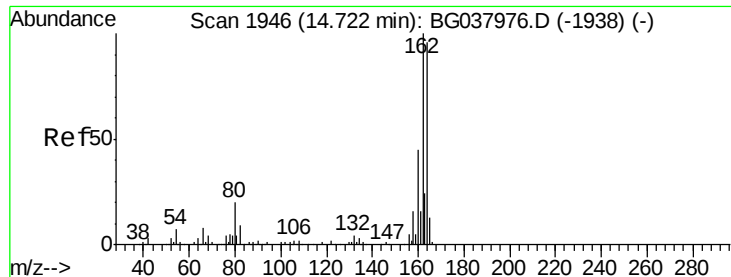


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG038229.D

Acq: 29 Nov 2018 11:09

Instrument :

BNA_G

ClientSampleId :

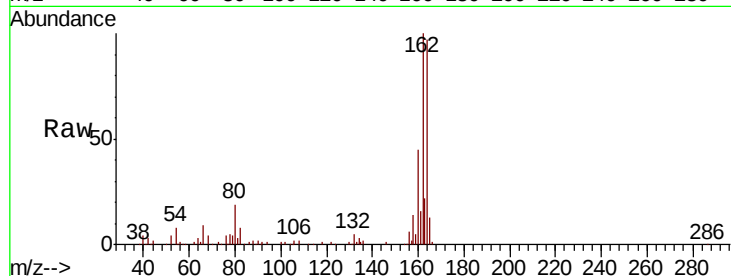
Tot Ion:164 Resp: 100558

Ion Ratio Lower Upper

164 100

162 103.6 81.3 121.9

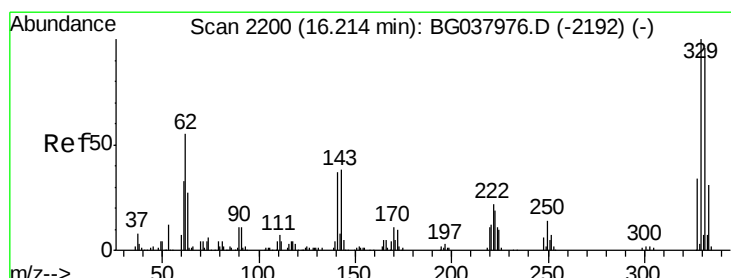
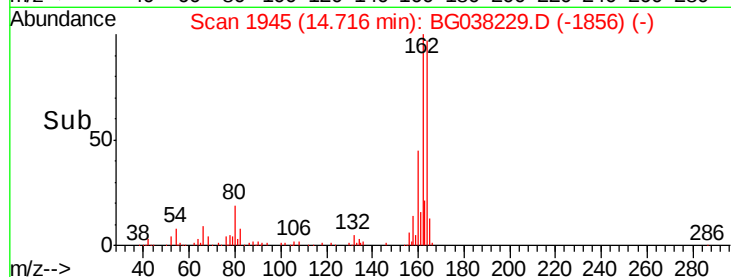
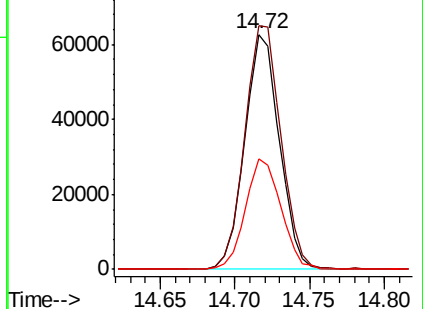
160 46.9 36.3 54.5



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: 90.265 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

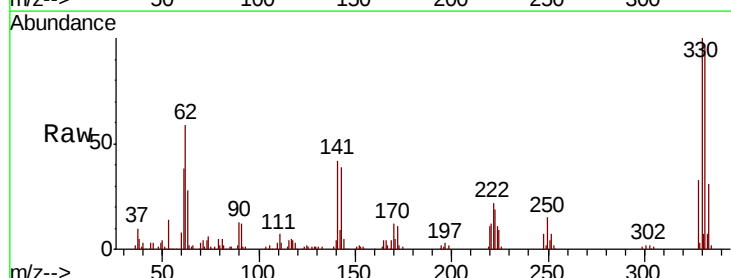
Tgt Ion:330 Resp: 103519

Ion Ratio Lower Upper

330 100

332 97.7 78.4 117.6

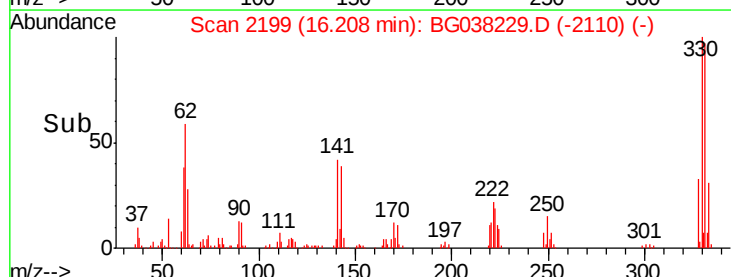
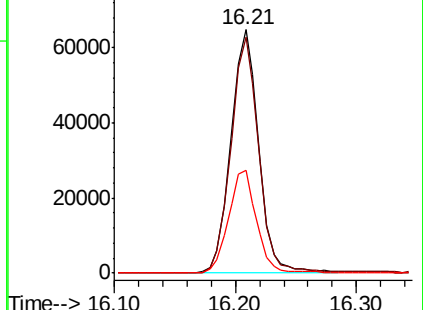
141 42.7 32.2 48.2

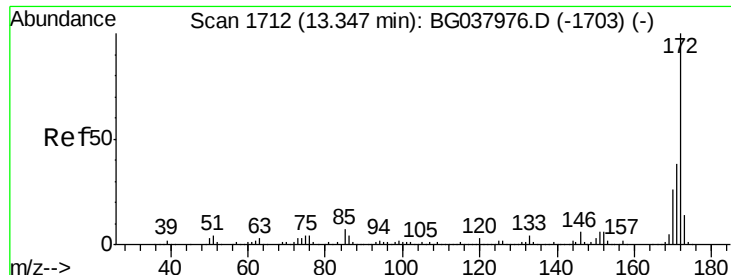


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

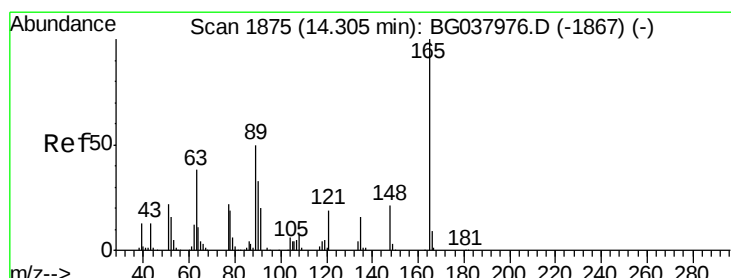
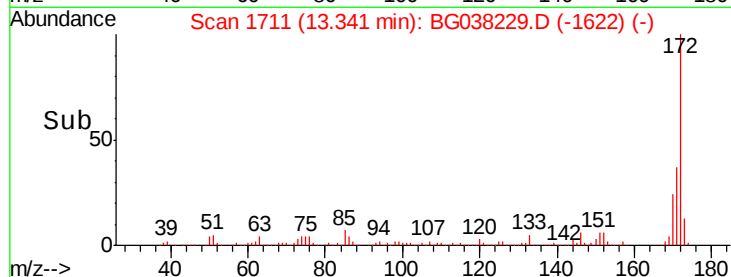
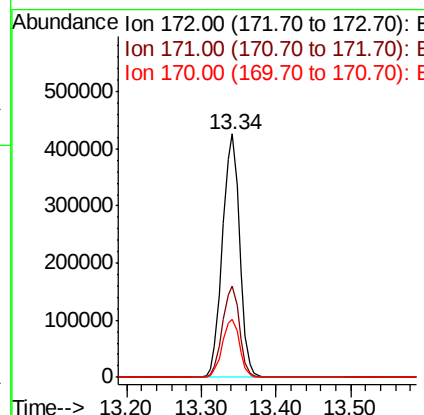
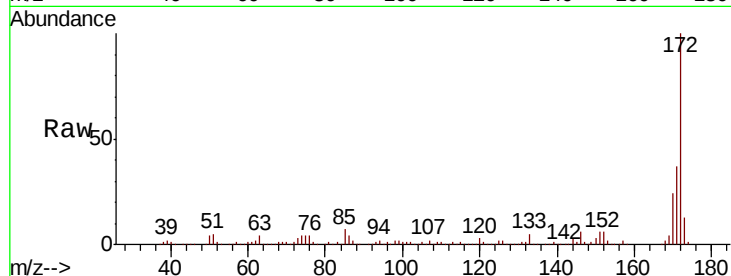




#45
 2-Fluorobiphenyl
 Concen: 98.734 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG038229.D
 Acq: 29 Nov 2018 11:09

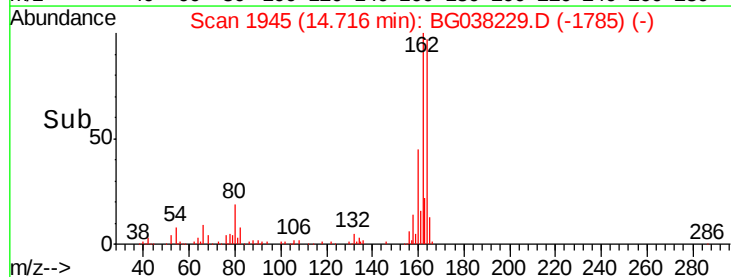
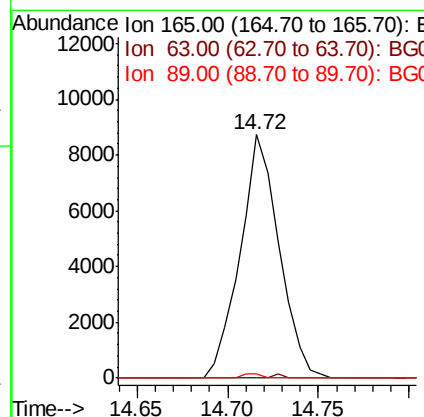
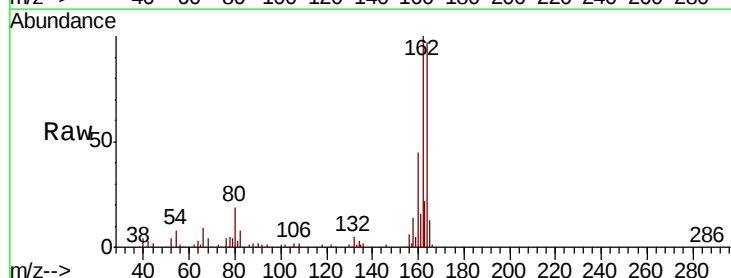
Instrument :
 BNA_G
 ClientSampled :

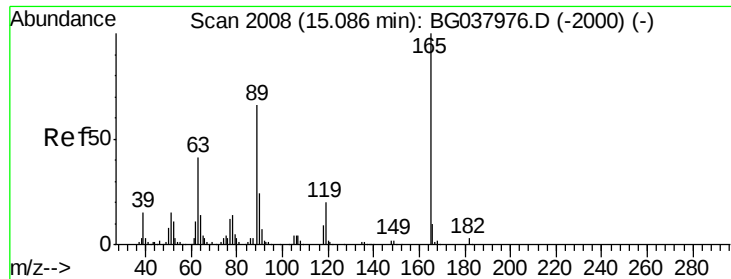
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.0	46.4
170	24.0	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.229 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038229.D
 Acq: 29 Nov 2018 11:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.9	45.8	68.6#

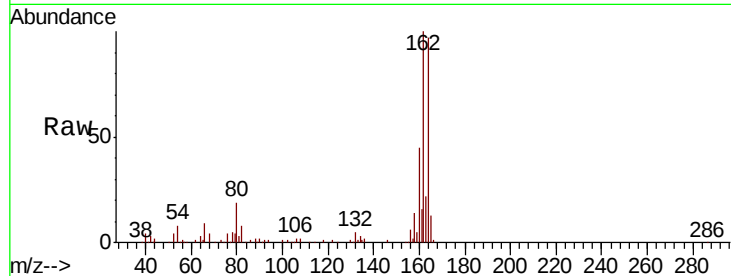




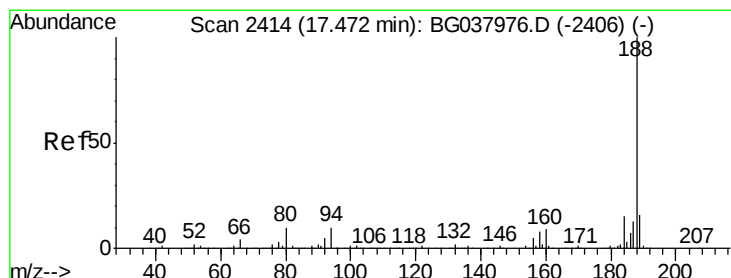
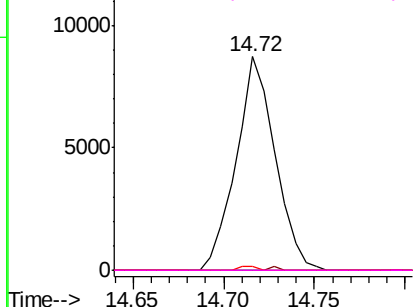
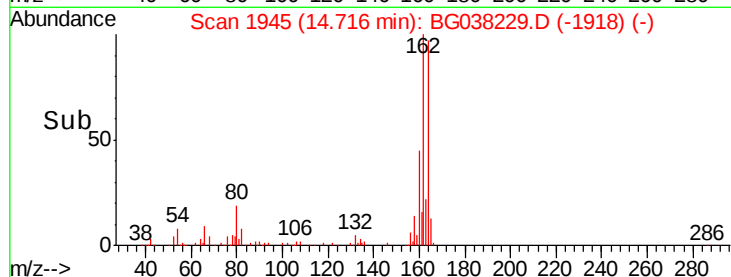
#57
 2,4-Dinitrotoluene
 Concen: 5.313 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038229.D
 Acq: 29 Nov 2018 11:09

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 13043
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 1.9 57.2 85.8#
 182 0.0 2.6 4.0#

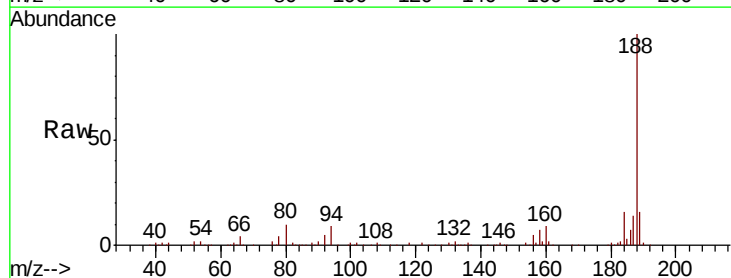


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

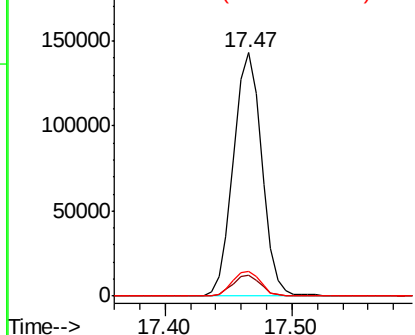
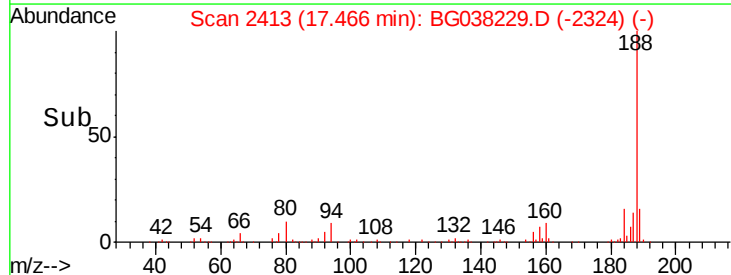


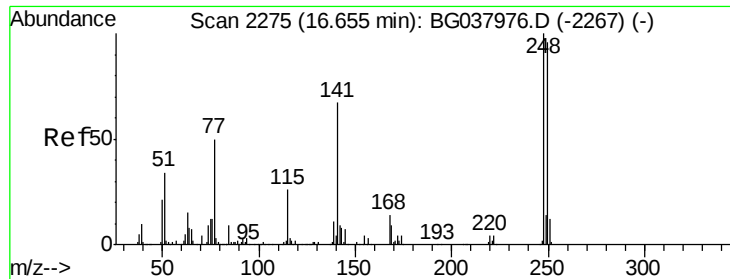
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG038229.D
 Acq: 29 Nov 2018 11:09

Tgt Ion:188 Resp: 222537
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.2 10.8
 80 10.0 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

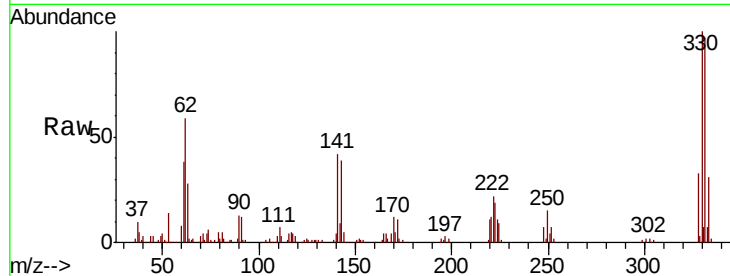




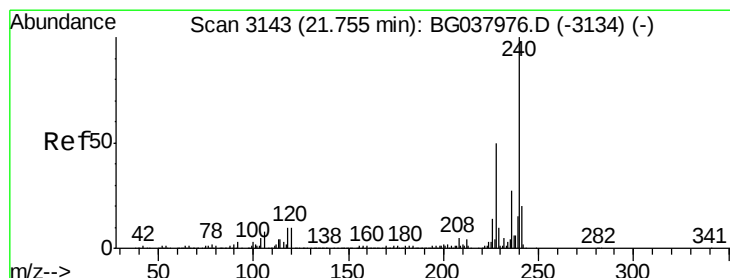
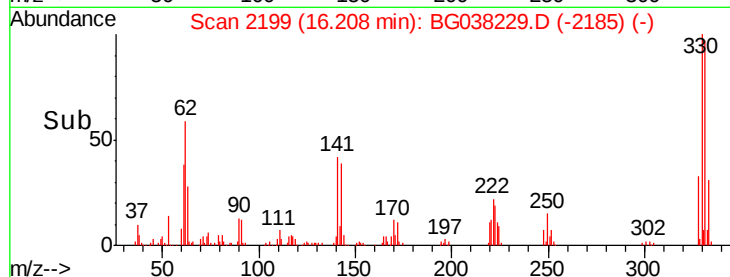
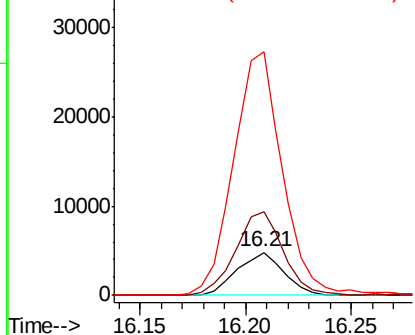
#67
4-Bromophenyl-phenylether
Concen: 3.004 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.45 min
Lab File: BG038229.D
Acq: 29 Nov 2018 11:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7337
Ion Ratio Lower Upper
248 100
250 250.9 77.0 115.6#
141 569.2 55.5 83.3#

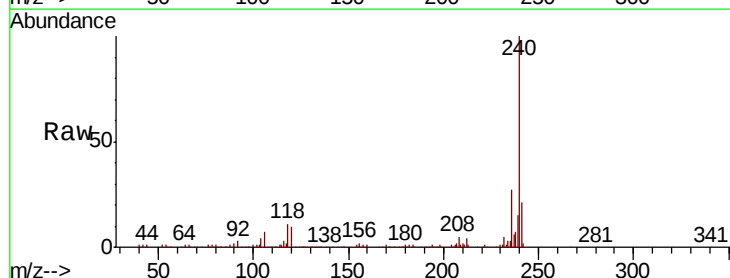


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

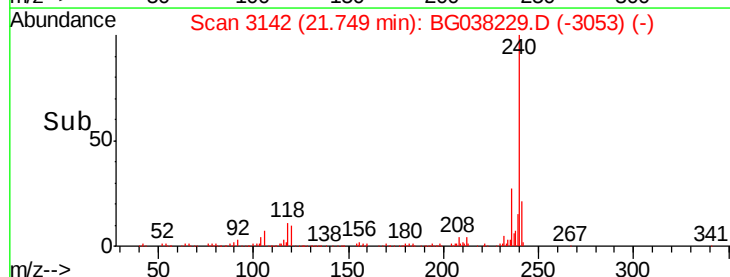
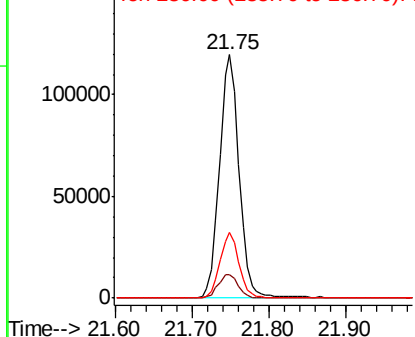


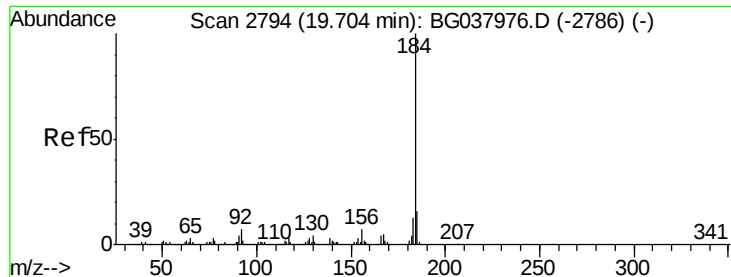
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG038229.D
Acq: 29 Nov 2018 11:09

Tgt Ion:240 Resp: 211451
Ion Ratio Lower Upper
240 100
120 9.8 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: 2.253 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.36 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

Instrument :

BNA_G

ClientSampleId :

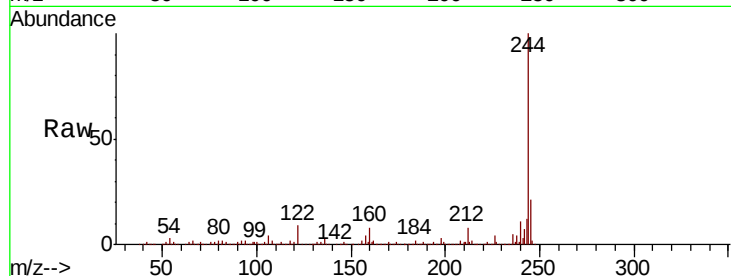
Tot Ion:184 Resp: 16717

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

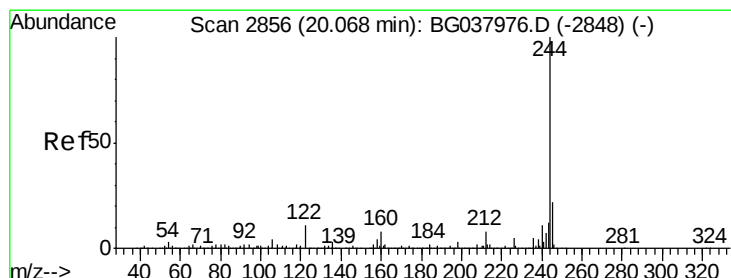
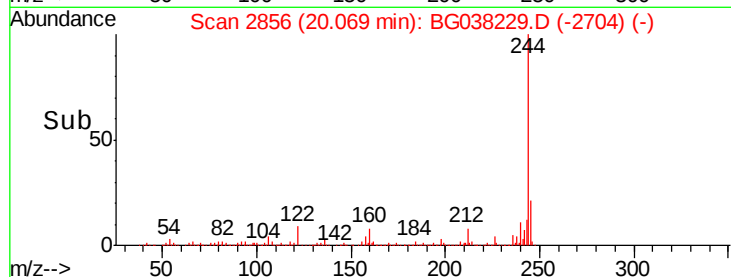
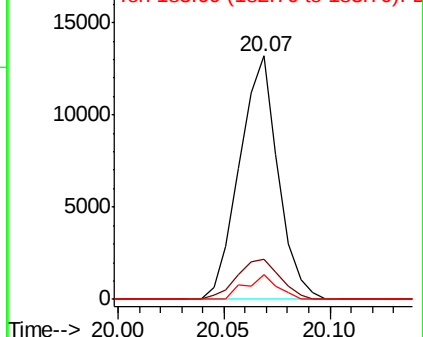
183 10.2 10.2 15.2



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: 105.476 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038229.D

Acq: 29 Nov 2018 11:09

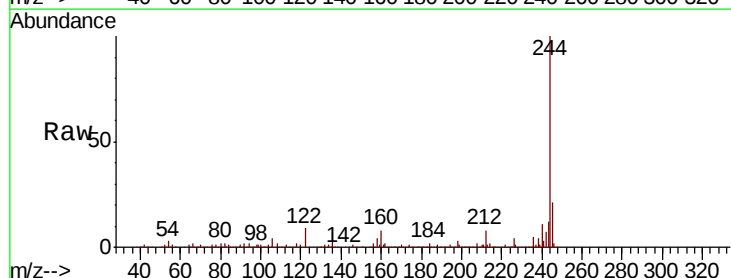
Tgt Ion:244 Resp: 947852

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

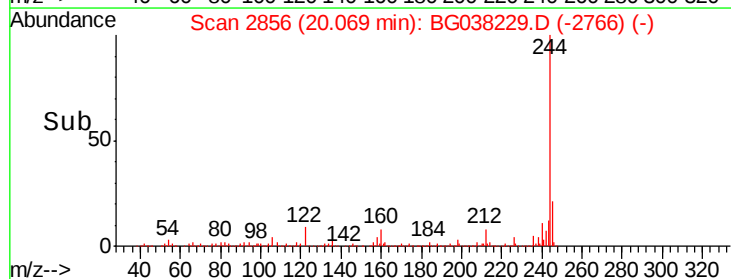
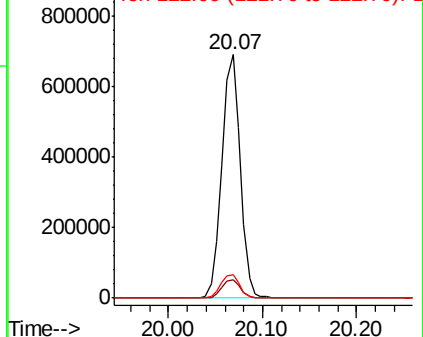
122 9.4 9.0 13.4

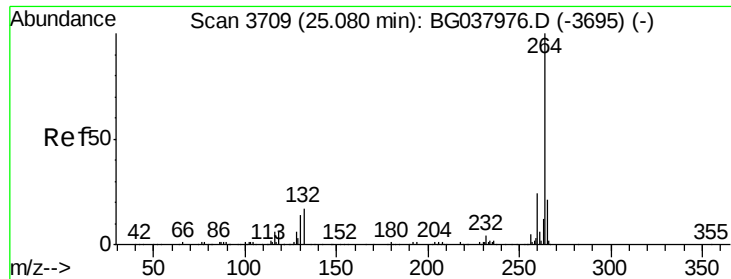


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.07 min Scan# 3708
 Delta R.T. -0.01 min
 Lab File: BG038229.D
 Acq: 29 Nov 2018 11:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	21.1	17.9	26.9

