

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112818\
 Data File : BG038225.D
 Acq On : 29 Nov 2018 8:32
 Operator : JU/SJ
 Sample : J6069-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 29 10:19:56 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

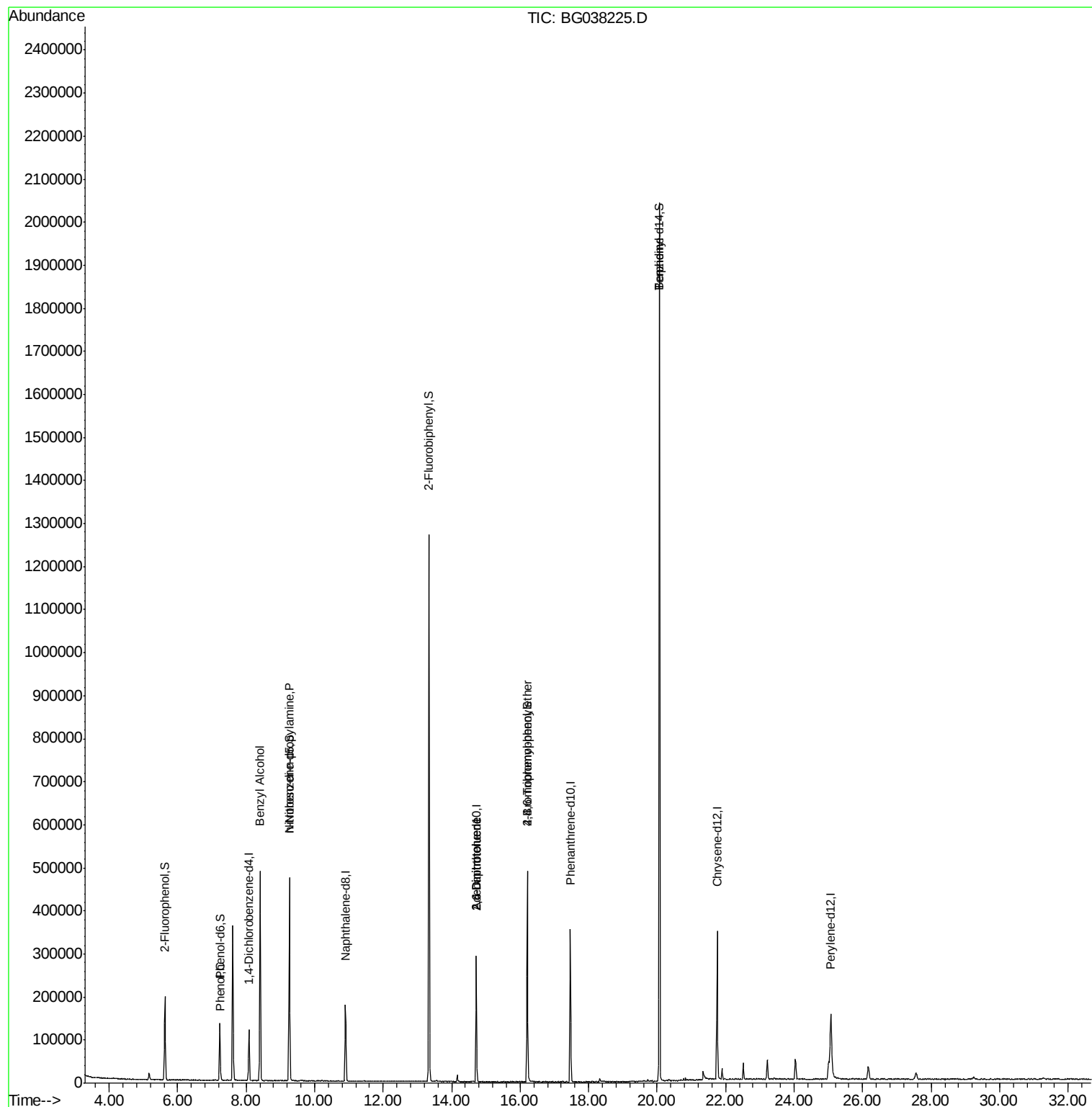
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	34543	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	160862	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	101966	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	229795	20.00	ng	0.00
76) Chrysene-d12	21.75	240	222757	20.00	ng	0.00
87) Perylene-d12	25.08	264	212188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	89788	44.88	ng	0.00
7) Phenol-d6	7.23	99	78692	27.55	ng	0.00
23) Nitrobenzene-d5	9.26	82	290872	96.79	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	93411	80.33	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	671508	95.94	ng	0.00
79) Terphenyl-d14	20.07	244	980648	103.59	ng	0.00
Target Compounds						
10) Phenol	7.25	94	6377	2.108	ng	78
15) Benzyl Alcohol	8.41	79	4180	2.023	ng	# 41
19) n-Nitroso-di-n-propylamine	9.26	70	37965	18.372	ng	# 78
51) 2,6-Dinitrotoluene	14.72	165	13283	7.260	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	13283	5.336	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	6608	2.620	ng	# 1
77) Benizidine	20.07	184	17187	2.199	ng	# 91

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

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QLast Update : Tue Nov 13 16:39:28 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.09 min Scan# 816

Delta R.T. -0.00 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

Instrument :

BNA_G

ClientSampleId :

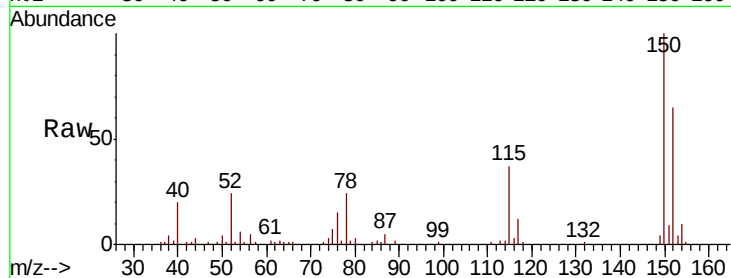
Tot Ion:152 Resp: 34543

Ion Ratio Lower Upper

152 100

150 154.7 126.0 189.0

115 56.7 45.5 68.3

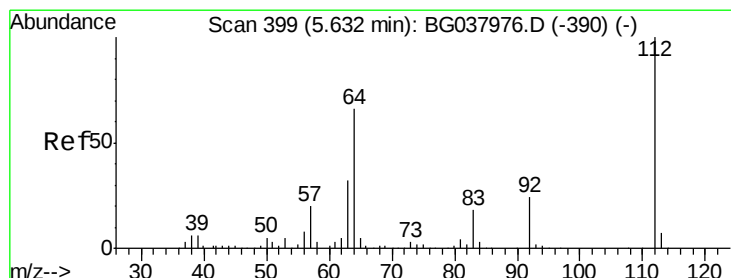
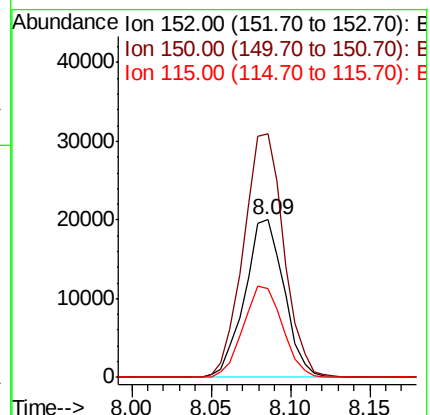
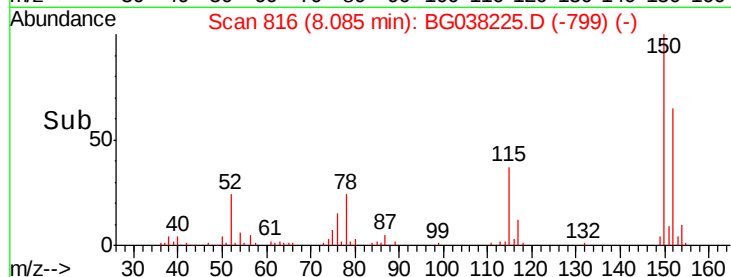


Abundance

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: 44.879 ng

RT: 5.62 min Scan# 397

Delta R.T. -0.01 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

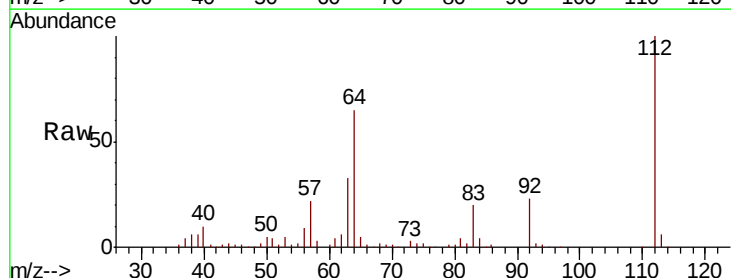
Tgt Ion:112 Resp: 89788

Ion Ratio Lower Upper

112 100

64 64.6 53.1 79.7

63 32.6 27.3 40.9

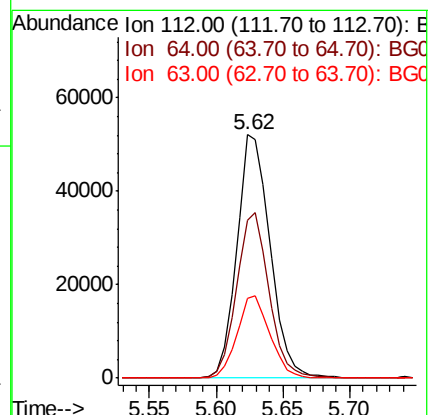
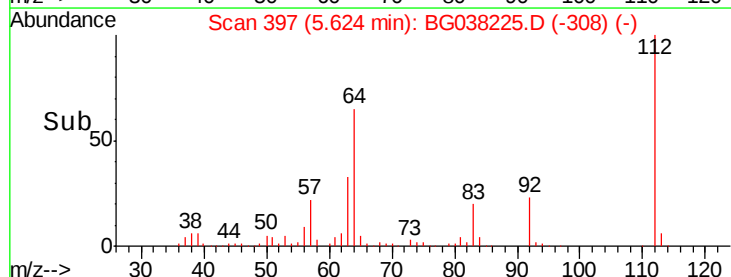


Abundance

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: 27.555 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

Instrument :

BNA_G

ClientSampled :

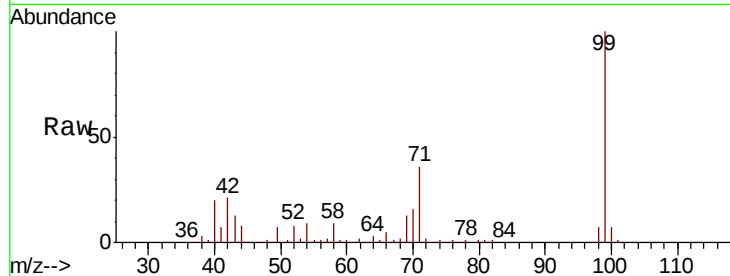
Tot Ion: 99 Resp: 78692

Ion Ratio Lower Upper

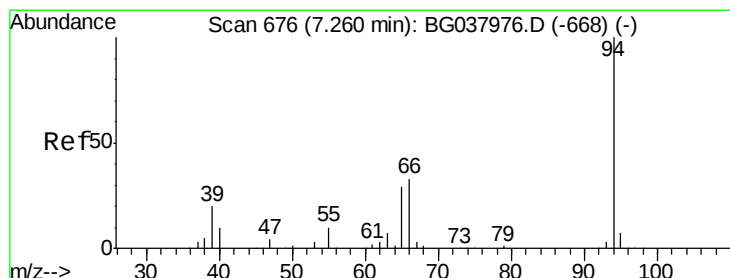
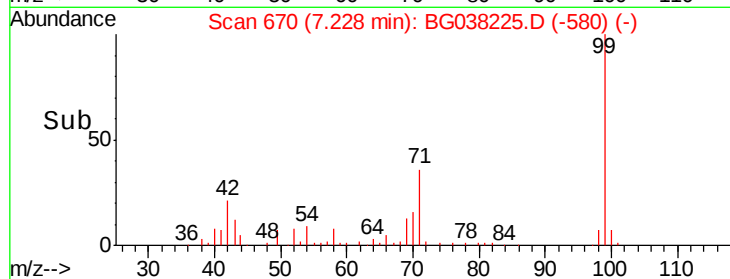
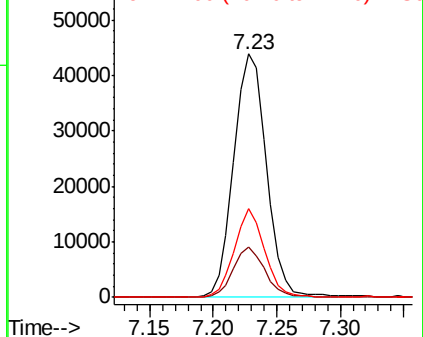
99 100

42 20.6 15.0 22.4

71 36.3 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: 2.108 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

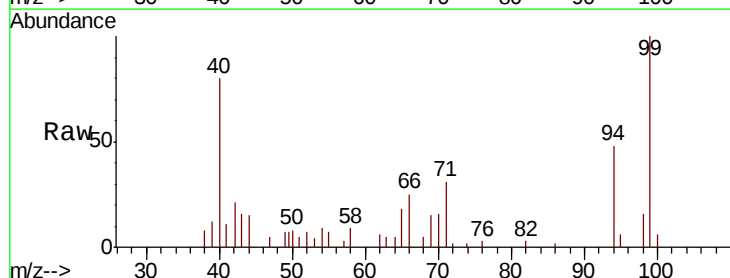
Tgt Ion: 94 Resp: 6377

Ion Ratio Lower Upper

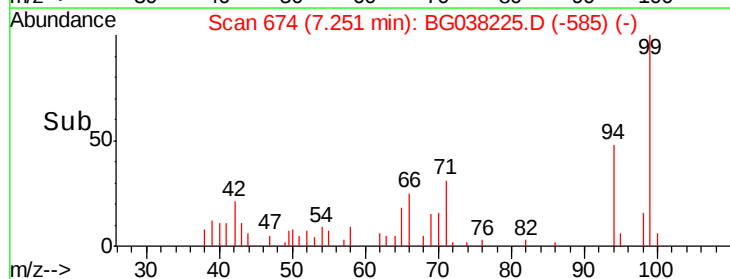
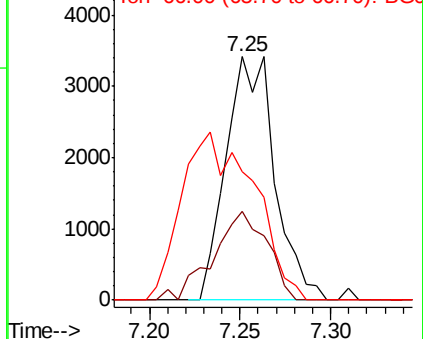
94 100

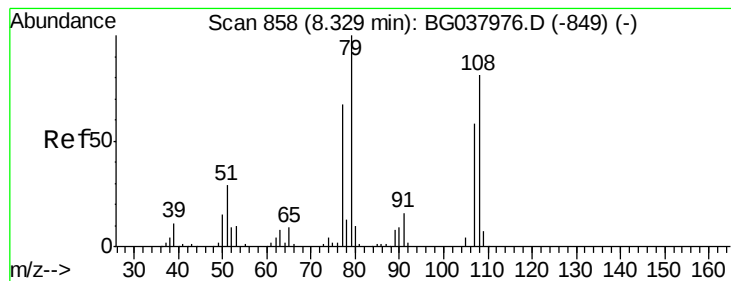
65 36.6 9.7 49.7

66 52.7 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: 2.023 ng

RT: 8.41 min Scan# 871

Delta R.T. 0.08 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

Instrument :

BNA_G

ClientSampleId :

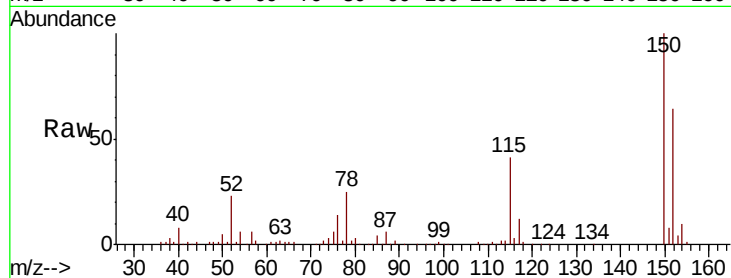
Tot Ion: 79 Resp: 4180

Ion Ratio Lower Upper

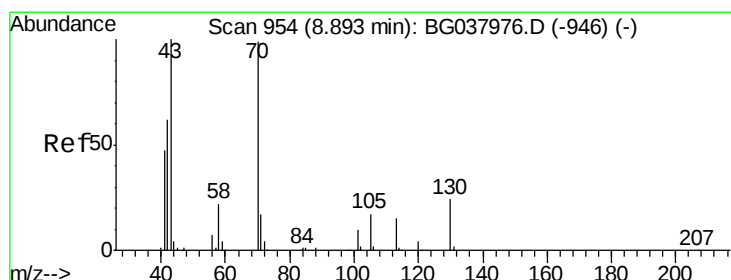
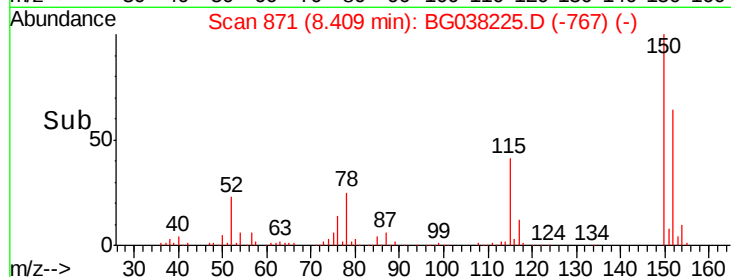
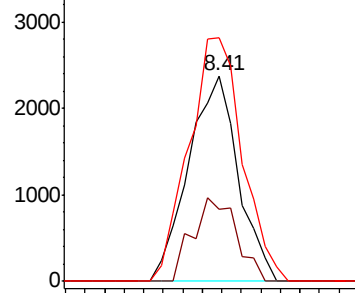
79 100

108 34.8 65.8 98.8#

77 118.5 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: 18.372 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

Tgt Ion: 70 Resp: 37965

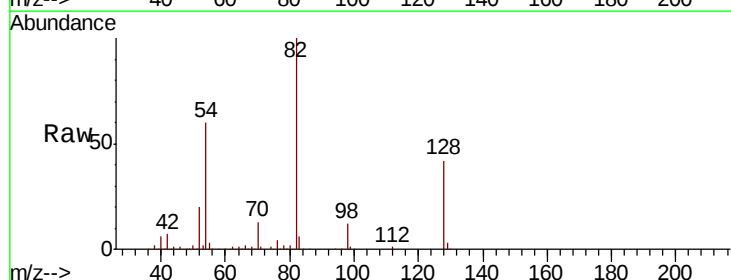
Ion Ratio Lower Upper

70 100

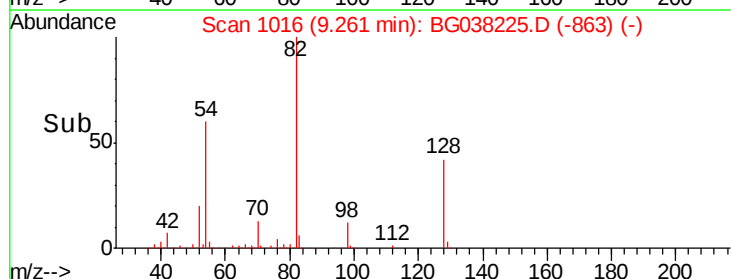
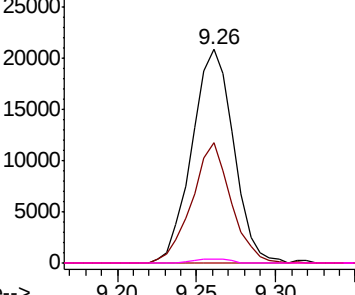
42 56.5 53.9 80.9

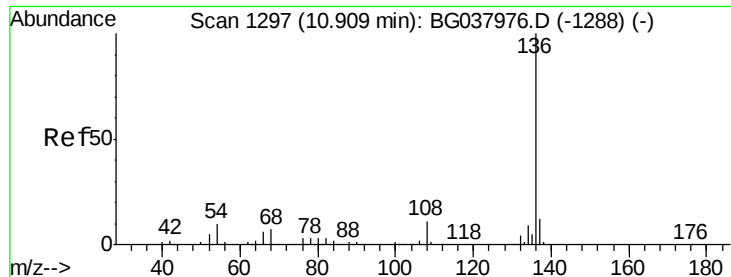
101 0.0 8.2 12.2#

130 2.0 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

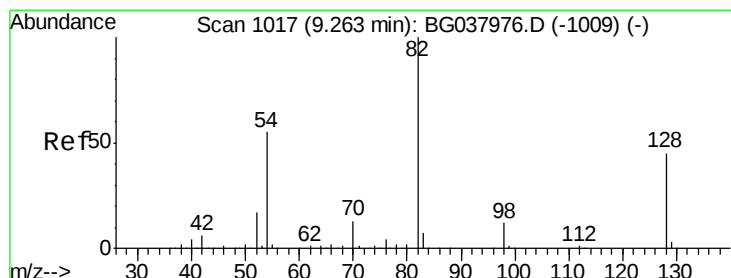
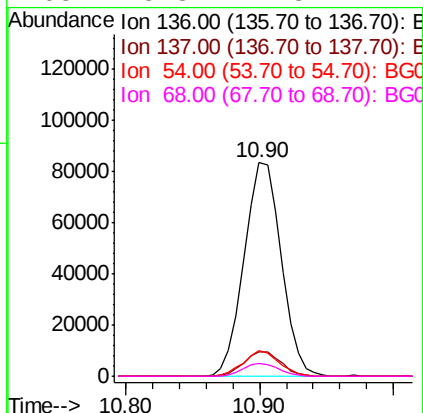
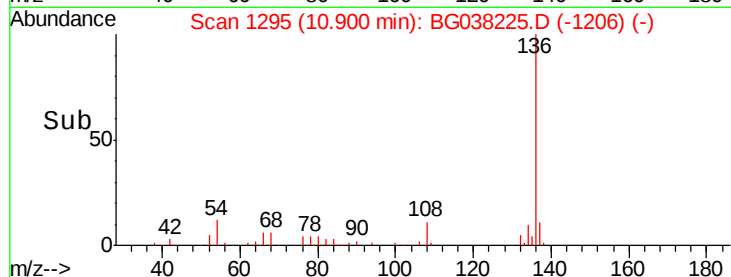
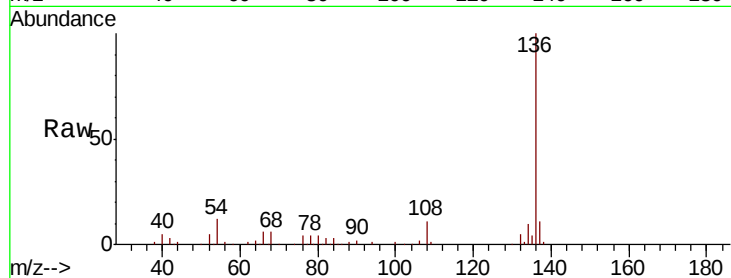




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038225.D
Acq: 29 Nov 2018 8:32

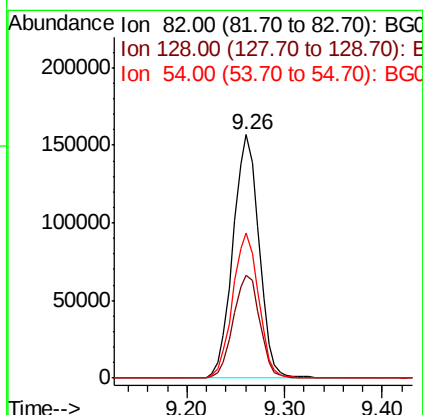
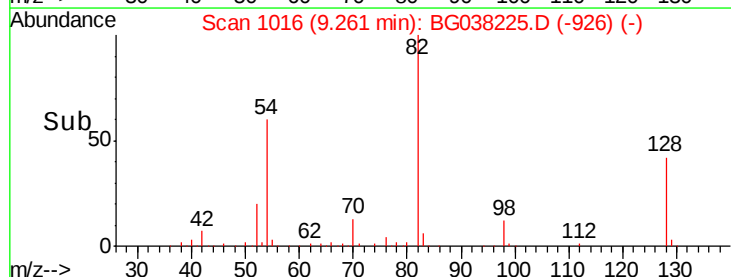
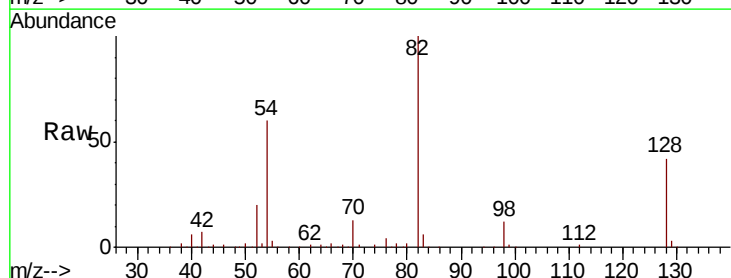
Instrument :
BNA_G
ClientSampleId :

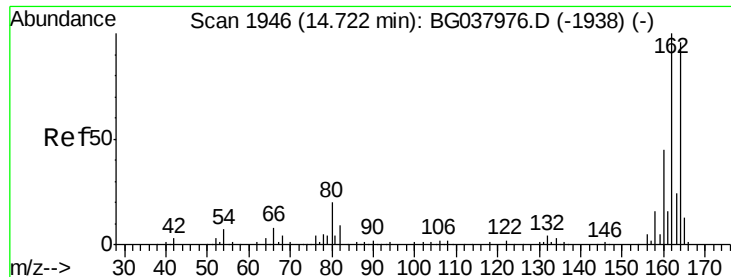
Tot Ion:136	Resp:	160862
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.6 14.4
54	12.2	7.9 11.9#
68	5.8	4.8 7.2



#23
Nitrobenzene-d5
Concen: 96.794 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038225.D
Acq: 29 Nov 2018 8:32

Tgt Ion: 82	Resp:	290872
Ion	Ratio	Lower Upper
82	100	
128	42.3	34.6 51.8
54	59.8	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

Instrument :

BNA_G

ClientSampleId :

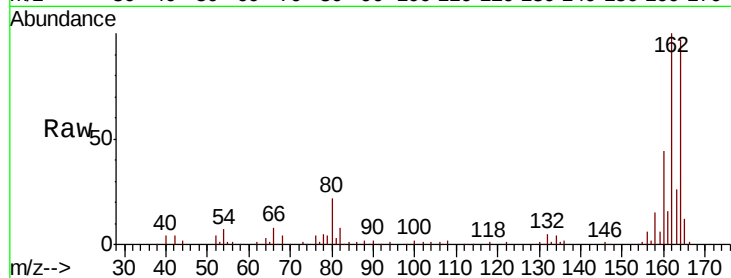
Tot Ion:164 Resp: 101966

Ion Ratio Lower Upper

164 100

162 103.5 81.3 121.9

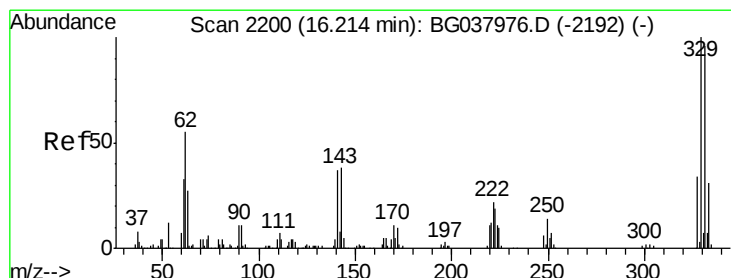
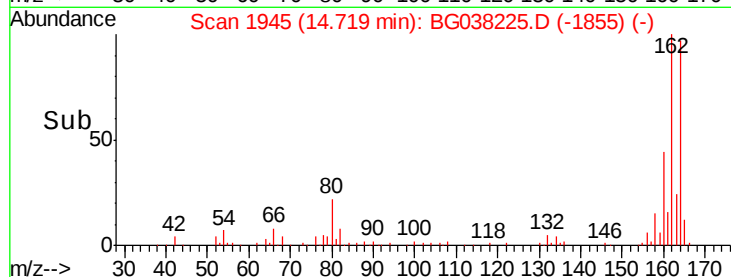
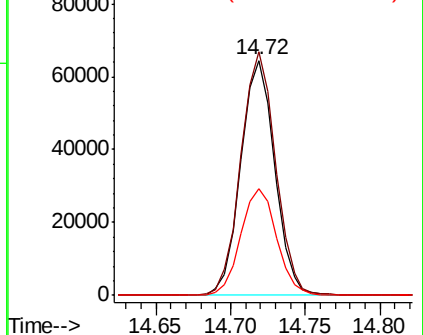
160 45.2 36.3 54.5



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: 80.326 ng

RT: 16.21 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

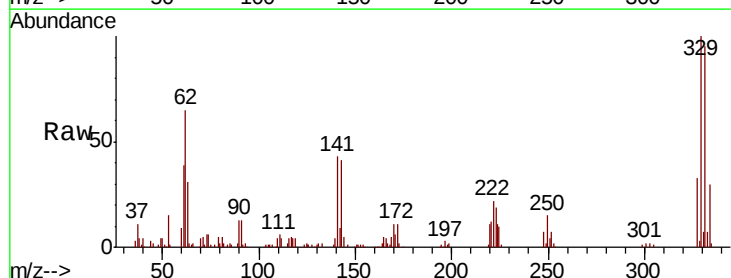
Tgt Ion:330 Resp: 93411

Ion Ratio Lower Upper

330 100

332 95.3 78.4 117.6

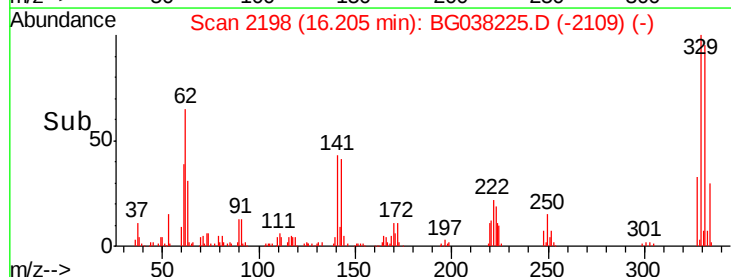
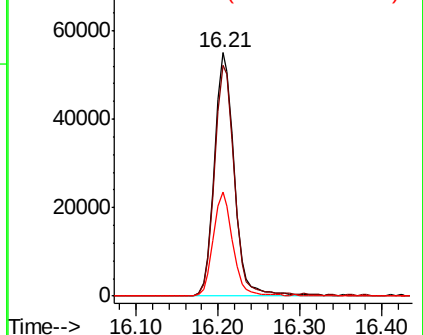
141 42.0 32.2 48.2

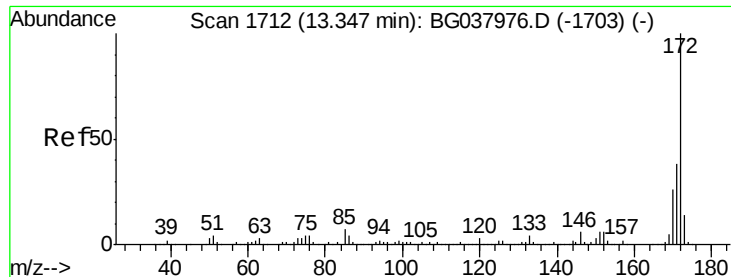


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

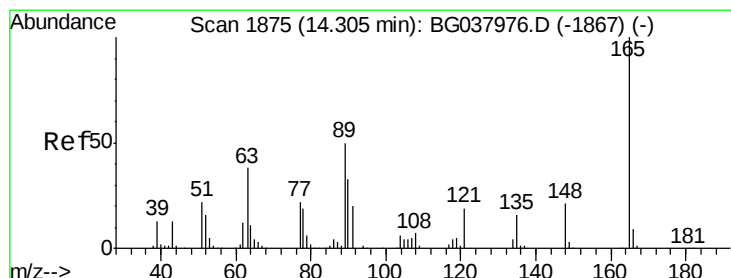
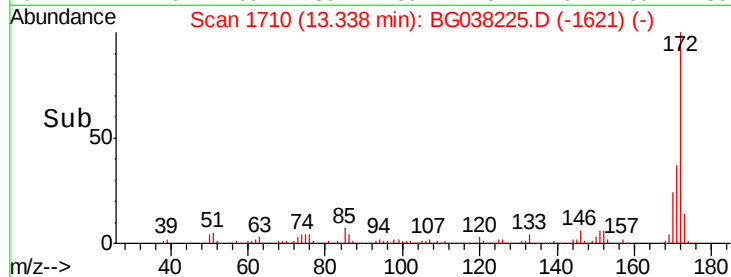
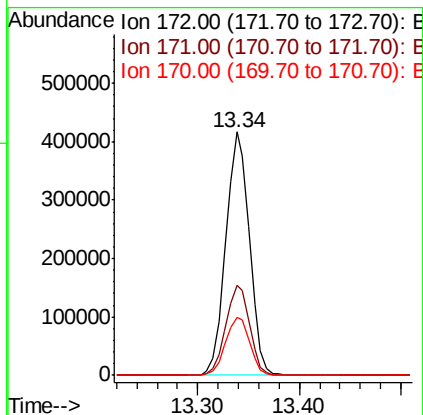
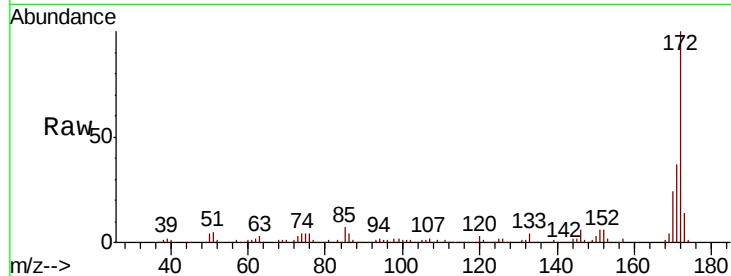




#45
 2-Fluorobiphenyl
 Concen: 95.942 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038225.D
 Acq: 29 Nov 2018 8:32

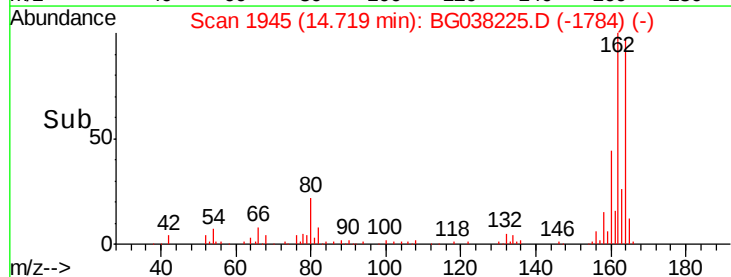
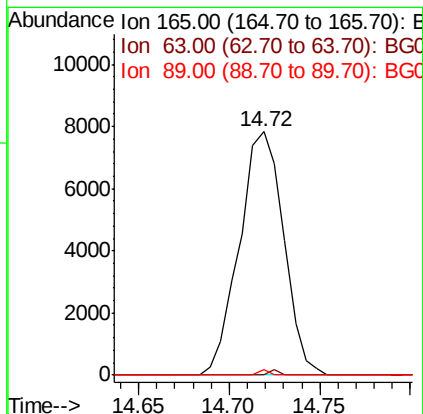
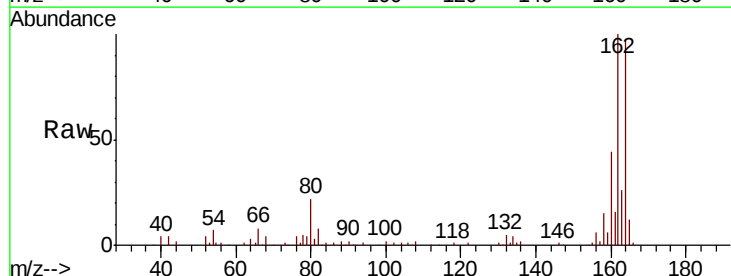
Instrument :
 BNA_G
 ClientSampled :

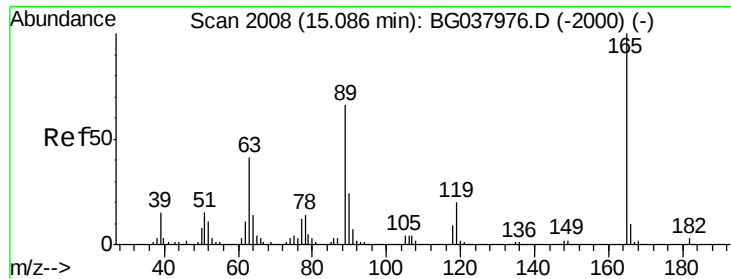
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	23.9	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.260 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038225.D
 Acq: 29 Nov 2018 8:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.5	45.8	68.6#

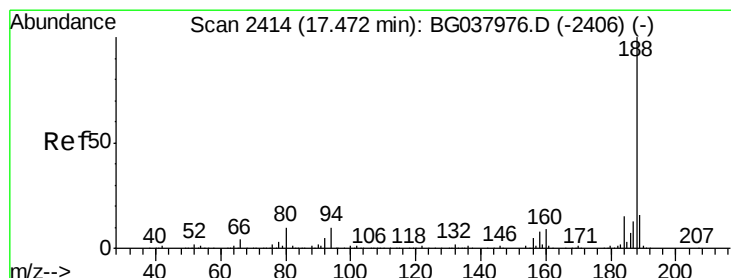
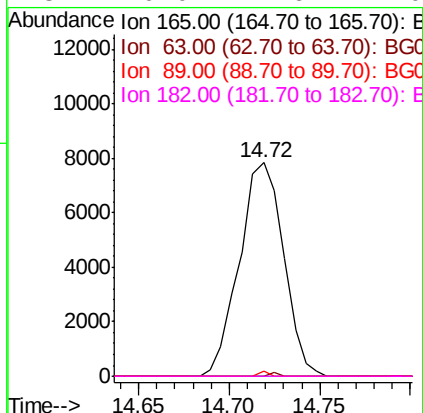
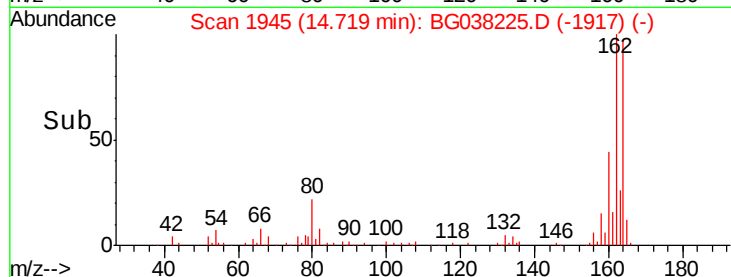
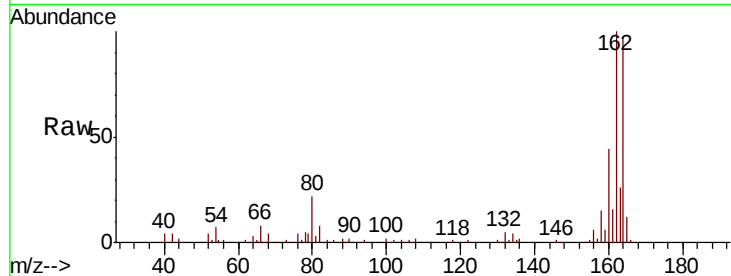




#57
 2,4-Dinitrotoluene
 Concen: 5.336 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038225.D
 Acq: 29 Nov 2018 8:32

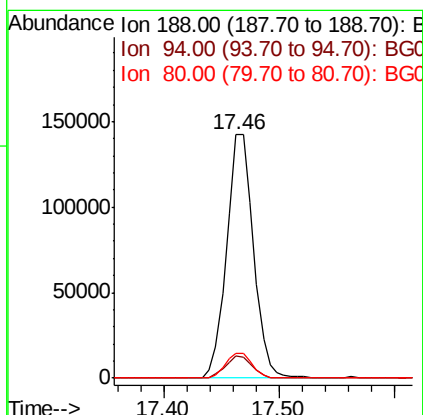
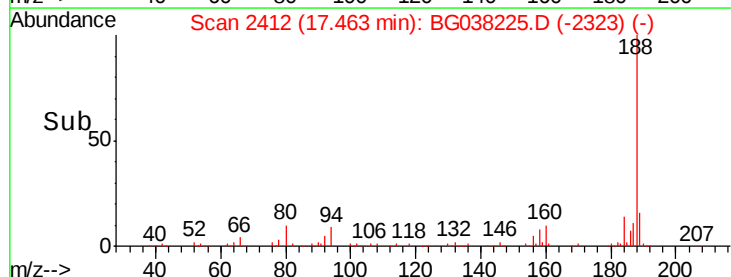
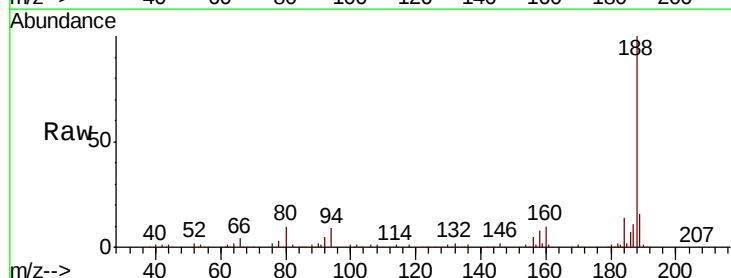
Instrument :
 BNA_G
 ClientSampleId :

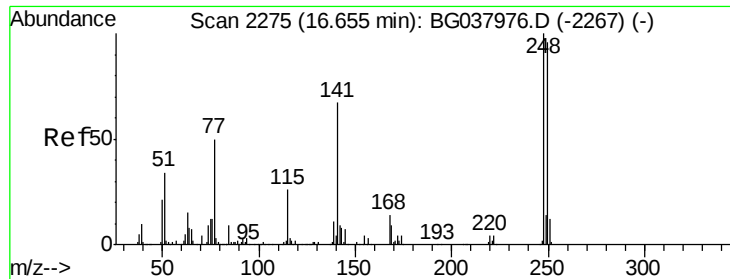
Tot Ion:165	Resp:	13283
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	2.5	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG038225.D
 Acq: 29 Nov 2018 8:32

Tgt Ion:188	Resp:	229795
Ion Ratio	Lower	Upper
188	100	
94	9.3	7.2 10.8
80	10.3	7.7 11.5

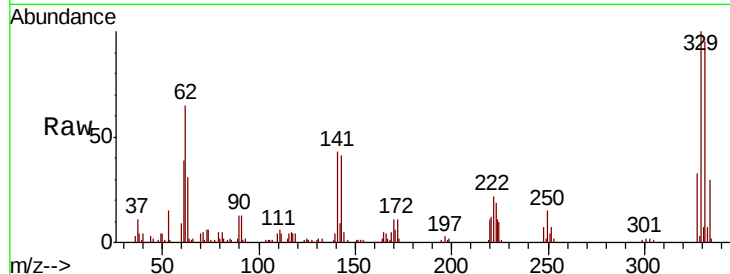




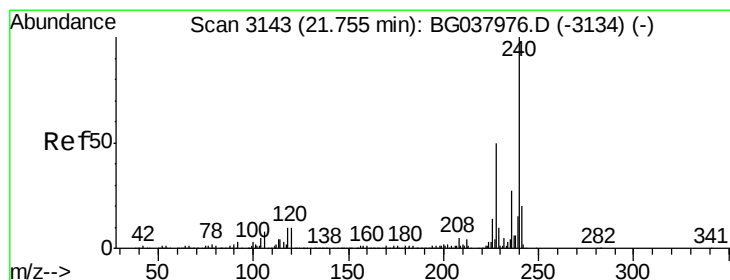
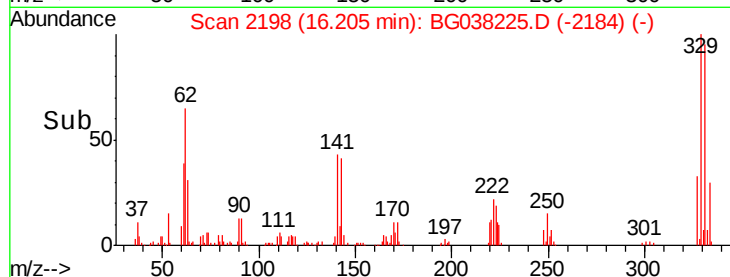
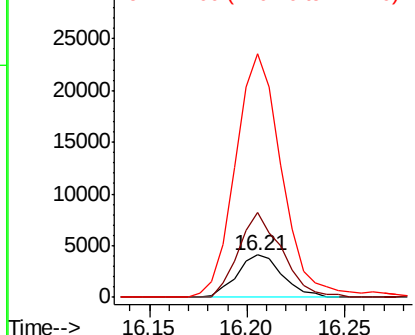
#67
 4-Bromophenyl-phenylether
 Concen: 2.620 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.45 min
 Lab File: BG038225.D
 Acq: 29 Nov 2018 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 6608
 Ion Ratio Lower Upper
 248 100
 250 192.5 77.0 115.6#
 141 439.1 55.5 83.3#

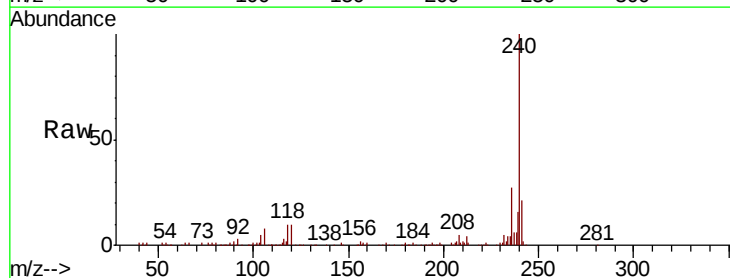


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

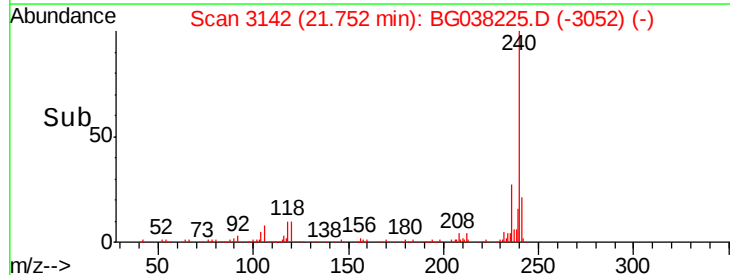
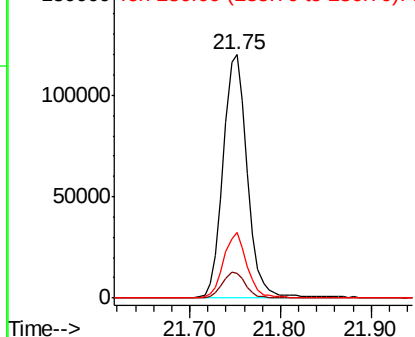


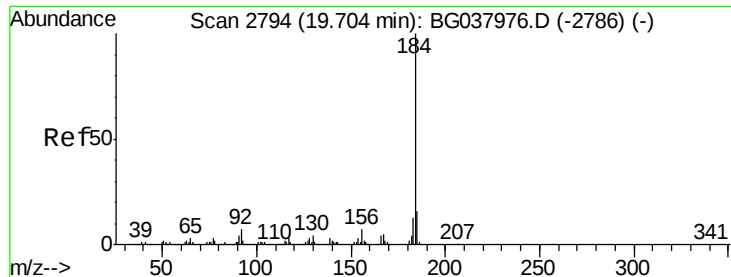
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BG038225.D
 Acq: 29 Nov 2018 8:32

Tgt Ion:240 Resp: 222757
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.1 12.1
 236 26.7 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: 2.199 ng

RT: 20.07 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

Instrument :

BNA_G

ClientSampleId :

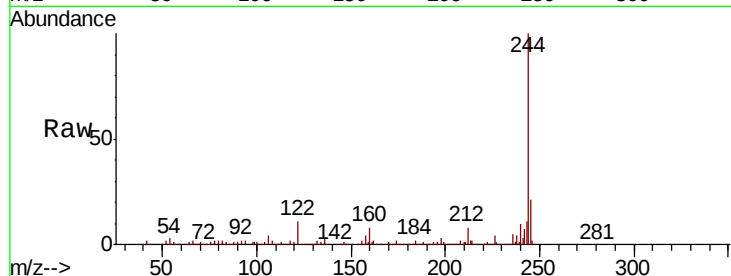
Tot Ion:184 Resp: 17187

Ion Ratio Lower Upper

184 100

185 19.2 12.6 18.8#

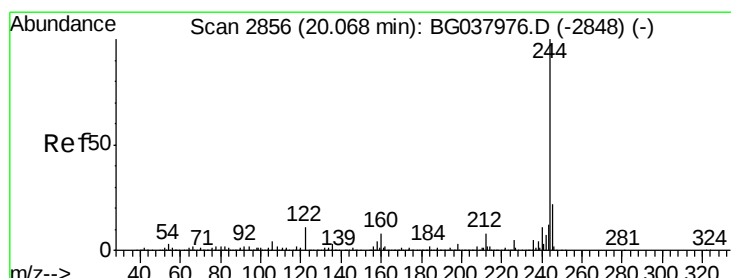
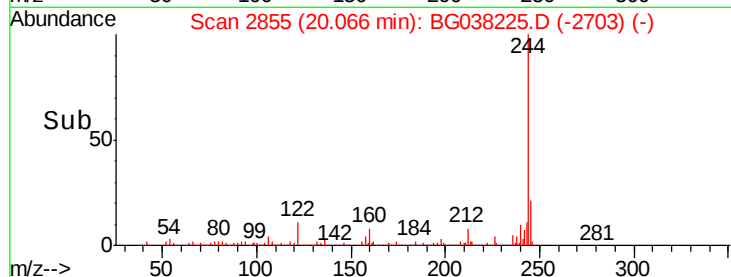
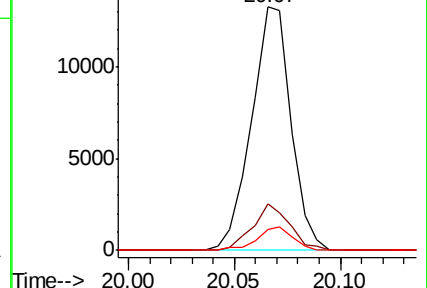
183 8.6 10.2 15.2#



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: 103.587 ng

RT: 20.07 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038225.D

Acq: 29 Nov 2018 8:32

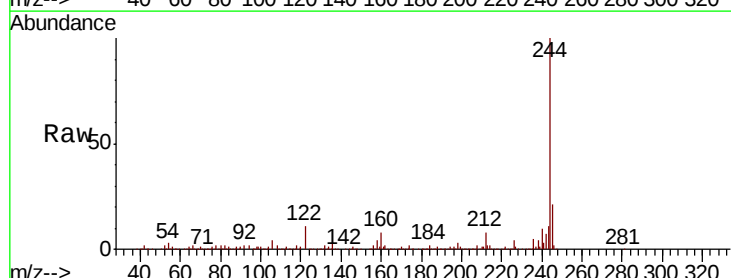
Tgt Ion:244 Resp: 980648

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

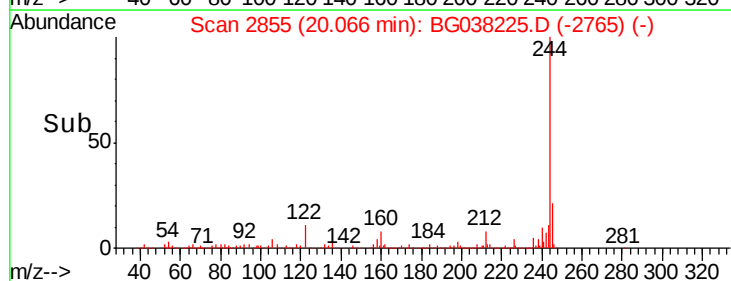
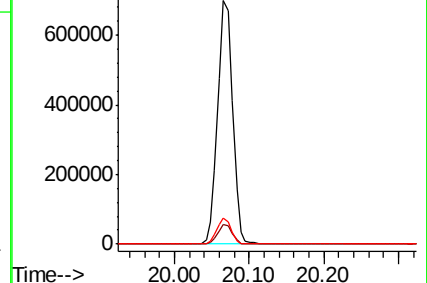
122 10.6 9.0 13.4

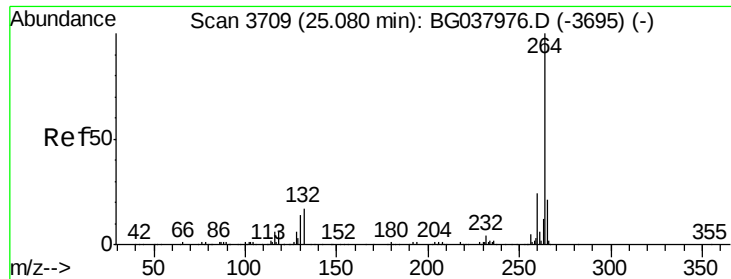


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

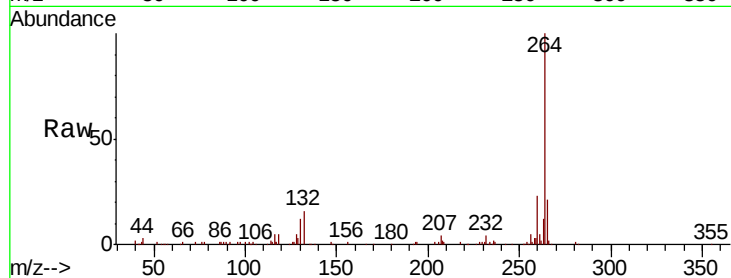




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3708
 Delta R.T. -0.00 min
 Lab File: BG038225.D
 Acq: 29 Nov 2018 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	20.6	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

