

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112618\
 Data File : BG038138.D
 Acq On : 26 Nov 2018 16:47
 Operator : JU/SJ
 Sample : J6031-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 26 17:23:37 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

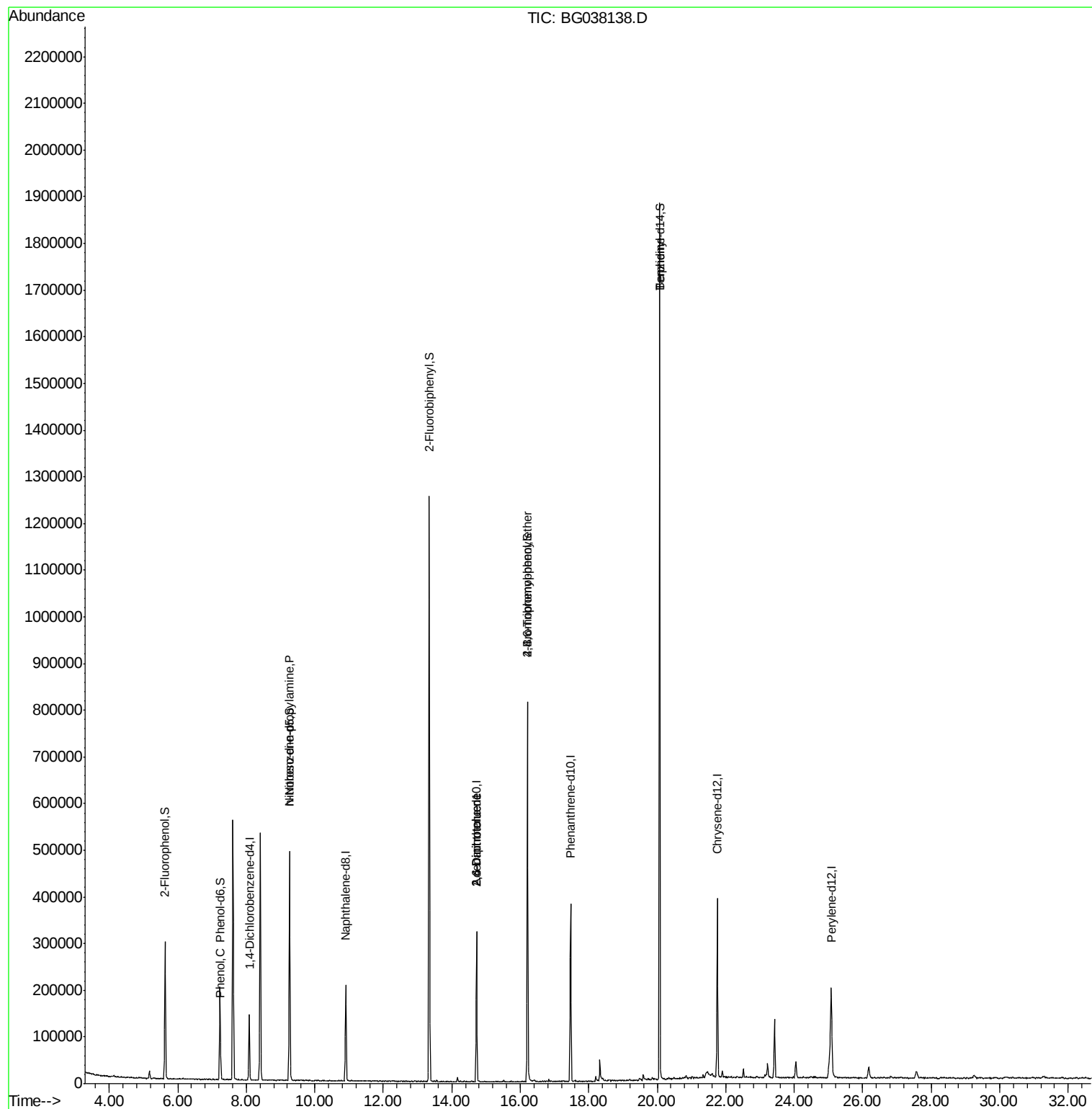
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	41942	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	182778	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	115318	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	253255	20.00	ng	0.00
76) Chrysene-d12	21.75	240	231897	20.00	ng	0.00
87) Perylene-d12	25.08	264	235336	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	135730	55.87	ng	0.00
7) Phenol-d6	7.23	99	120935	34.88	ng	0.00
23) Nitrobenzene-d5	9.26	82	303070	88.76	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	148344	112.79	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	678750	85.75	ng	0.00
79) Terphenyl-d14	20.07	244	952692	96.67	ng	0.00
Target Compounds						
10) Phenol	7.25	94	13090	3.564	ng	91
19) n-Nitroso-di-n-propylamine	9.26	70	38419	15.312	ng	# 74
51) 2,6-Dinitrotoluene	14.72	165	14969	7.235	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	14969	5.317	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	10427	3.751	ng	# 1
77) Benzidine	20.07	184	16533	2.032	ng	# 96

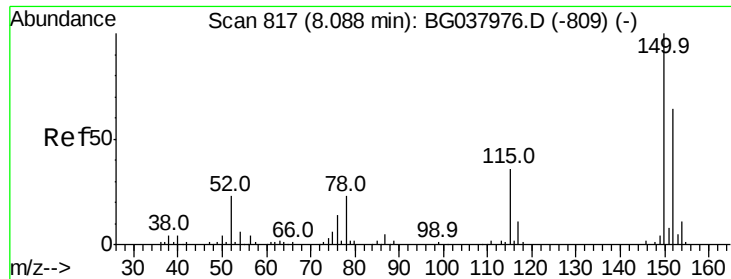
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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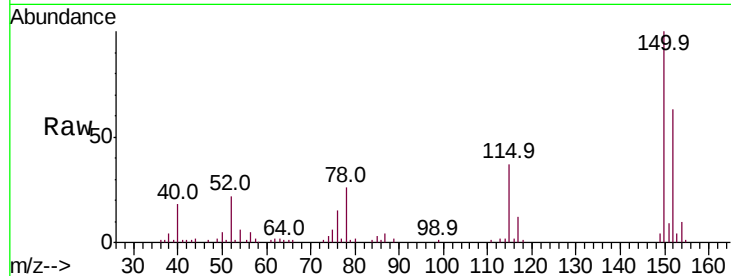


#1

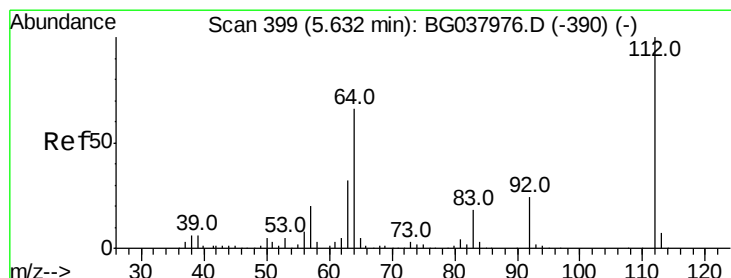
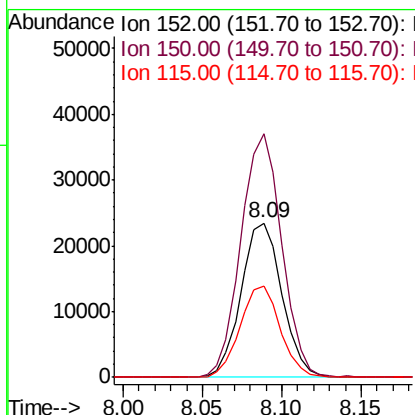
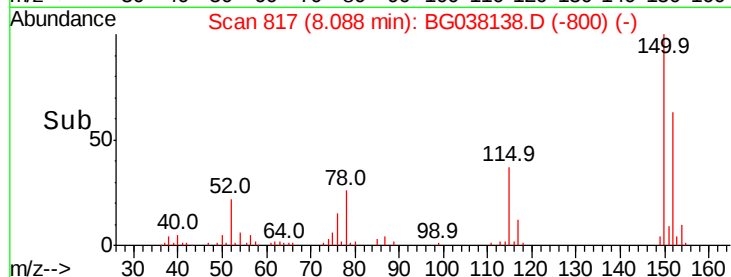
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.09 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BG038138.D
 Acq: 26 Nov 2018 16:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 41942
 Ion Ratio Lower Upper
 152 100
 150 157.6 126.0 189.0
 115 58.7 45.5 68.3



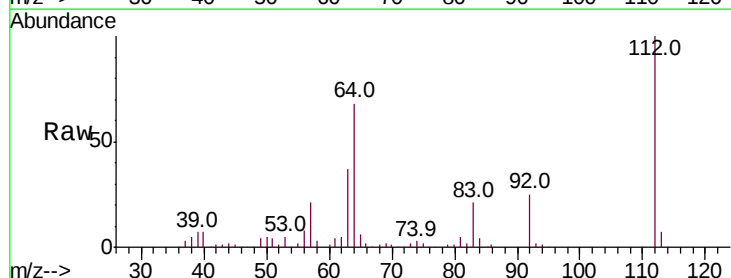
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



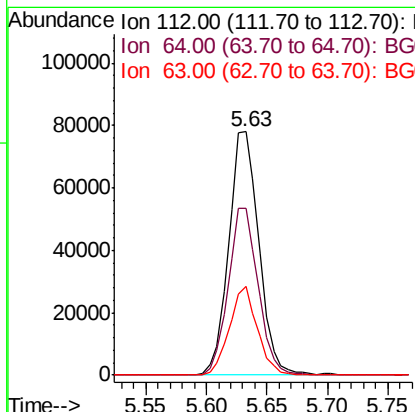
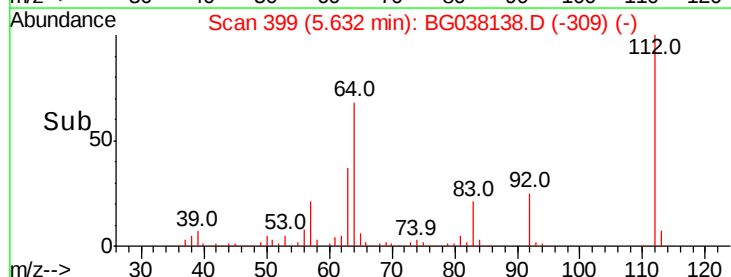
#5

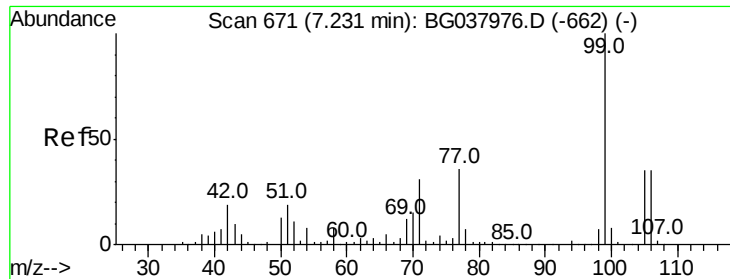
2-Fluorophenol
 Concen: 55.874 ng
 RT: 5.63 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: BG038138.D
 Acq: 26 Nov 2018 16:47

Tgt Ion:112 Resp: 135730
 Ion Ratio Lower Upper
 112 100
 64 68.4 53.1 79.7
 63 36.7 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: 34.876 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038138.D

Acq: 26 Nov 2018 16:47

Instrument :

BNA_G

ClientSampled :

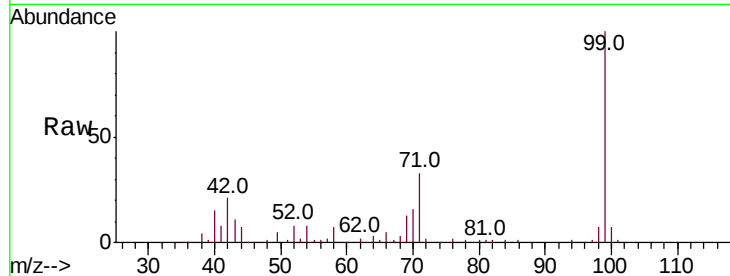
Tot Ion: 99 Resp: 120935

Ion Ratio Lower Upper

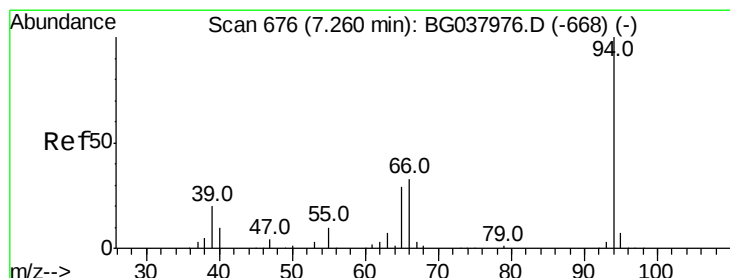
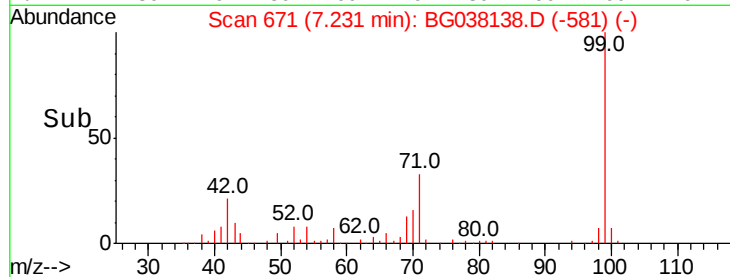
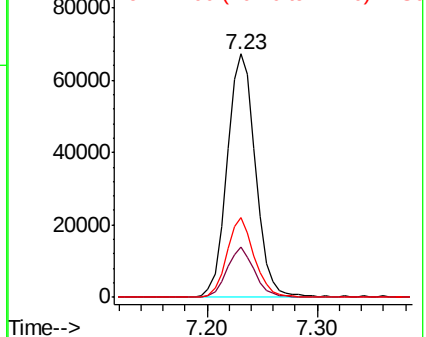
99 100

42 20.6 15.0 22.4

71 32.6 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: 3.564 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.01 min

Lab File: BG038138.D

Acq: 26 Nov 2018 16:47

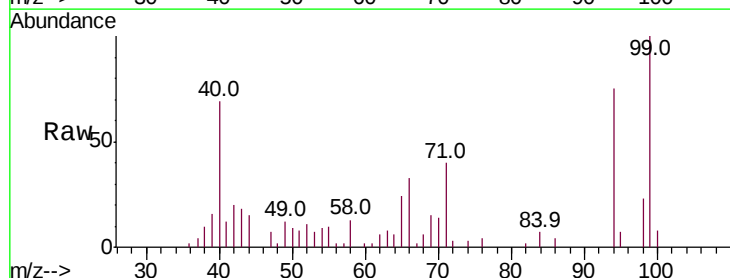
Tgt Ion: 94 Resp: 13090

Ion Ratio Lower Upper

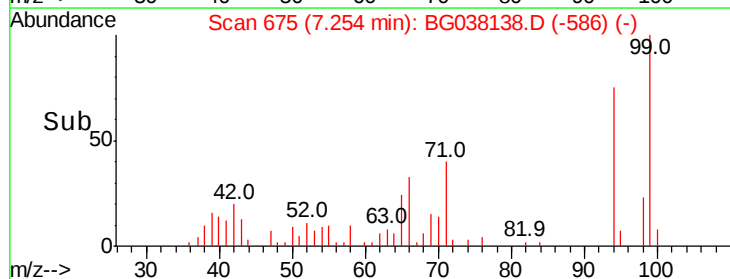
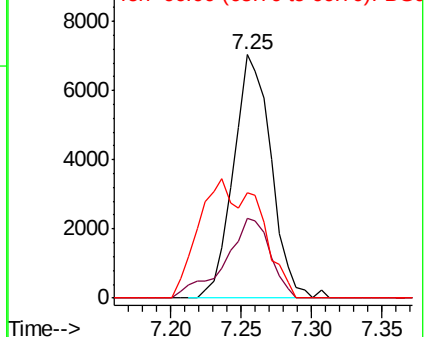
94 100

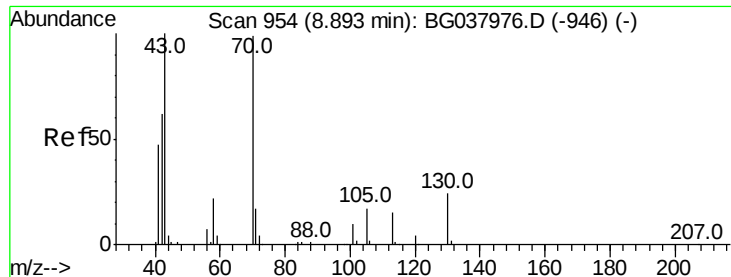
65 32.6 9.7 49.7

66 43.4 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

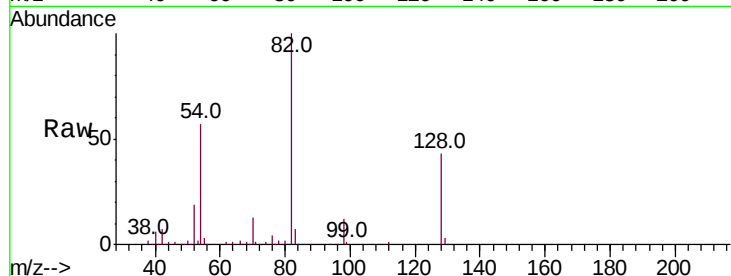




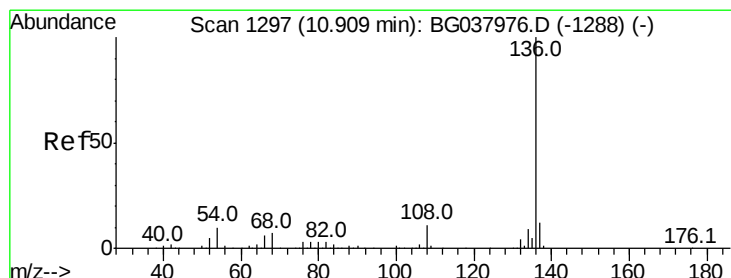
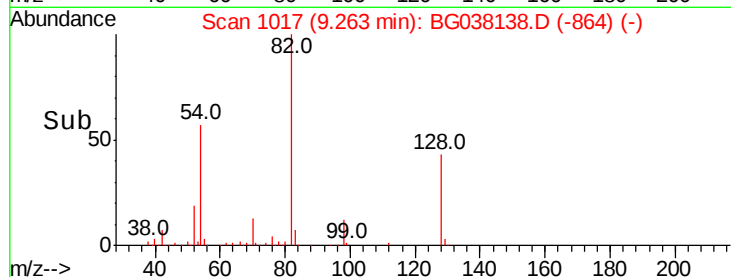
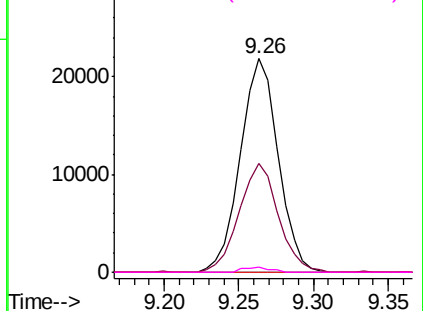
#19
n-Nitroso-di-n-propylamine
Concen: 15.312 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.37 min
Lab File: BG038138.D
Acq: 26 Nov 2018 16:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 38419
Ion Ratio Lower Upper
70 100
42 51.0 53.9 80.9#
101 0.0 8.2 12.2#
130 2.4 18.2 27.4#



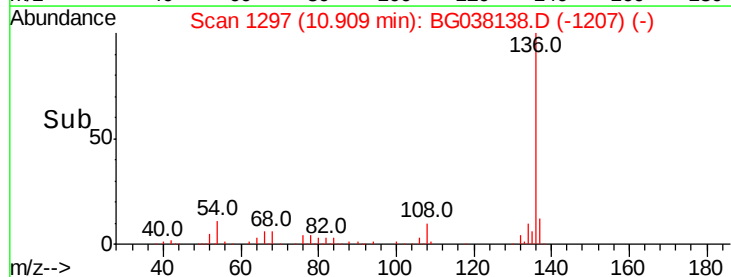
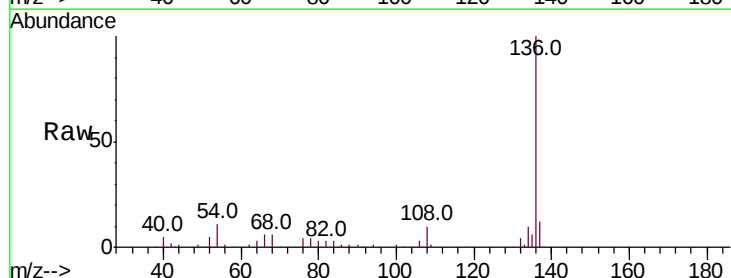
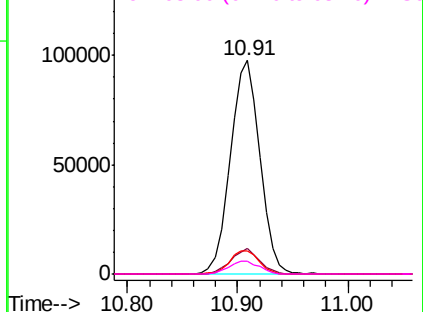
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

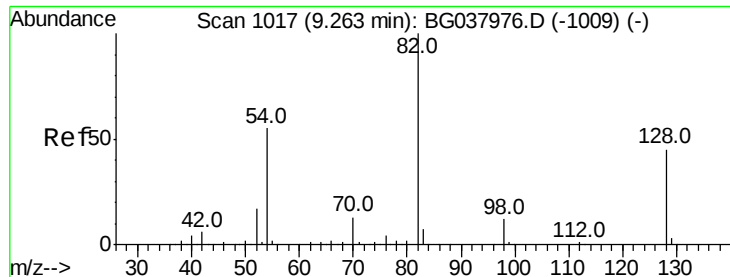


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BG038138.D
Acq: 26 Nov 2018 16:47

Tgt Ion: 136 Resp: 182778
Ion Ratio Lower Upper
136 100
137 12.1 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

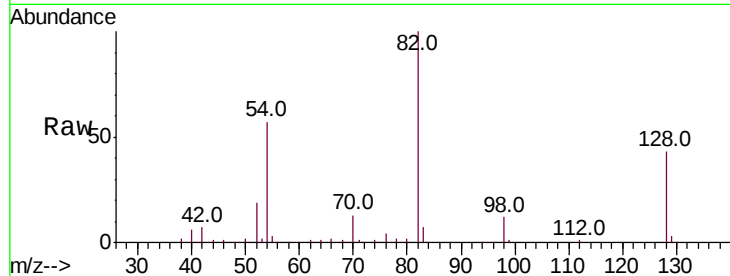




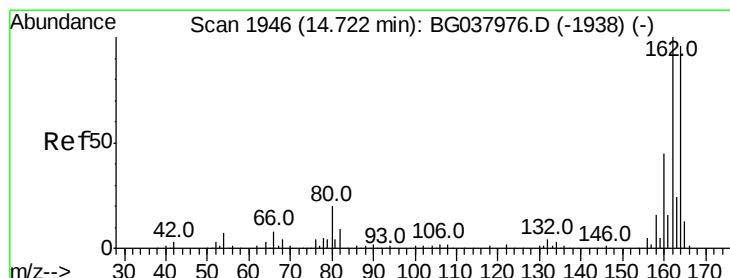
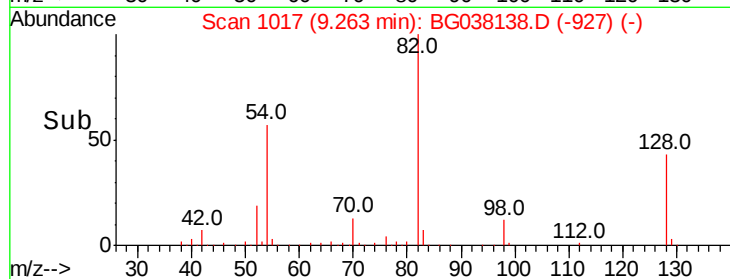
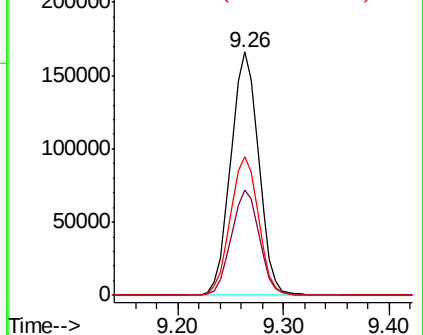
#23
Nitrobenzene-d5
Concen: 88.760 ng
RT: 9.26 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG038138.D
Acq: 26 Nov 2018 16:47

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	303070
Ion Ratio	100	Lower	Upper
128	43.1	34.6	51.8
54	56.8	45.3	67.9

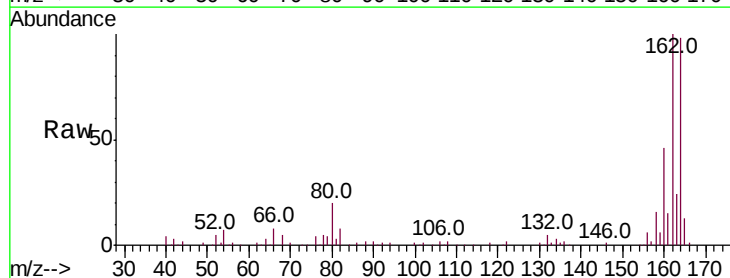


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

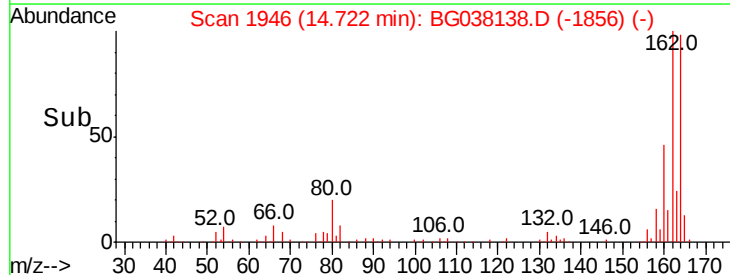
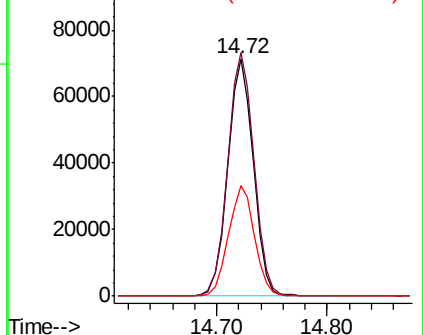


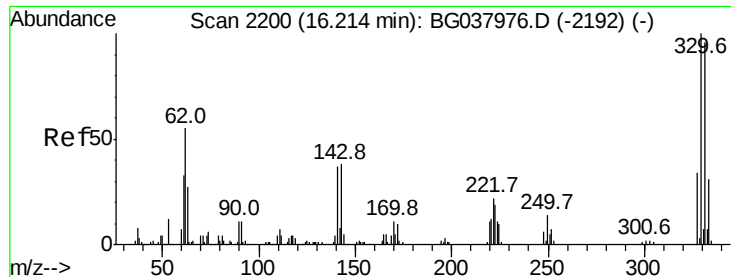
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BG038138.D
Acq: 26 Nov 2018 16:47

Tgt Ion	164	Resp	115318
Ion Ratio	100	Lower	Upper
162	102.5	81.3	121.9
160	46.8	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

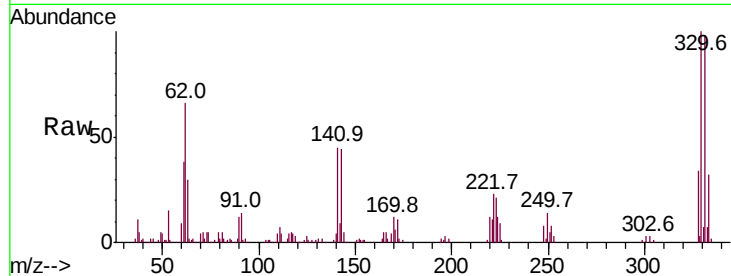




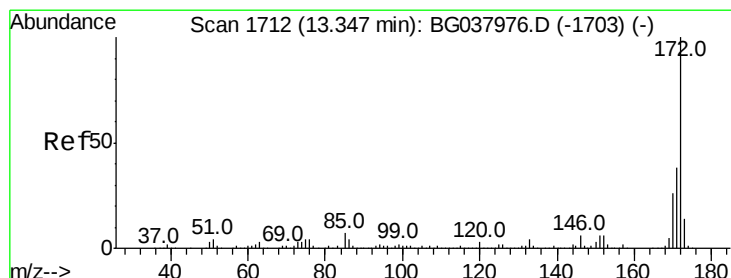
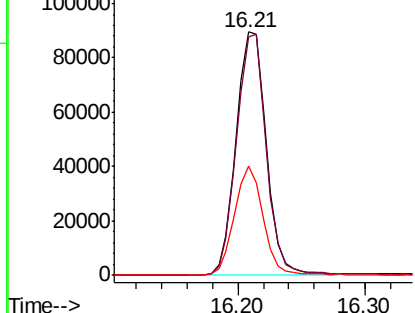
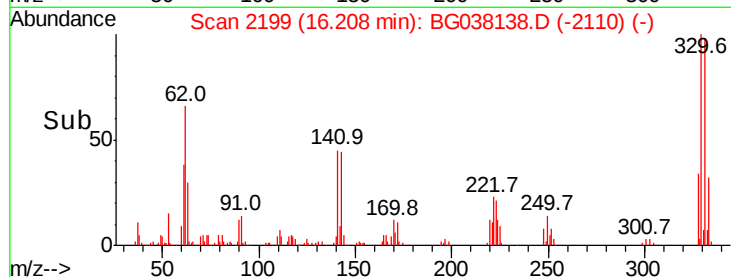
#42
 2,4,6-Tribromophenol
 Concen: 112.794 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BG038138.D
 Acq: 26 Nov 2018 16:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.4	117.6
141	42.6	32.2	48.2

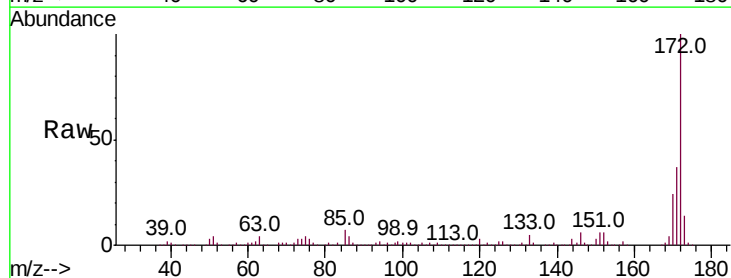


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

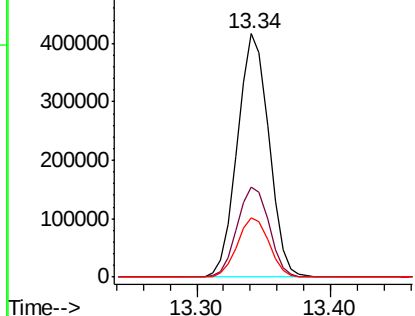
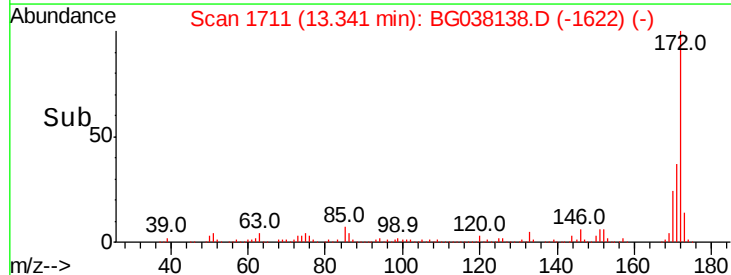


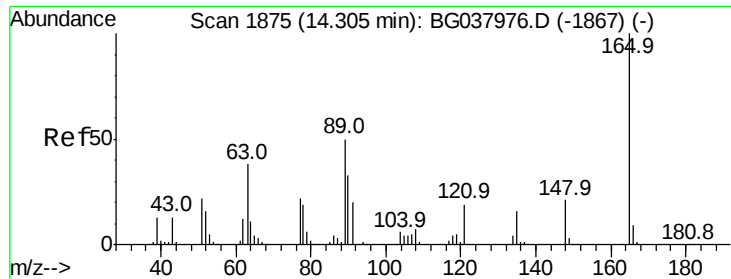
#45
 2-Fluorobiphenyl
 Concen: 85.749 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG038138.D
 Acq: 26 Nov 2018 16:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	24.1	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

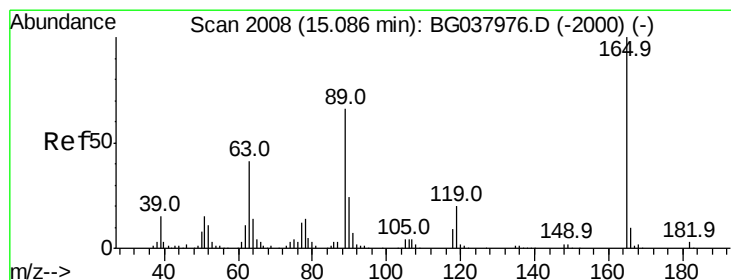
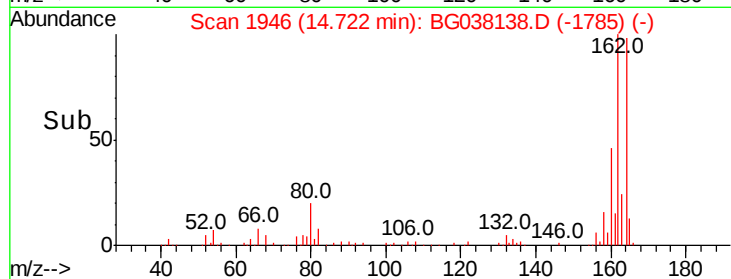
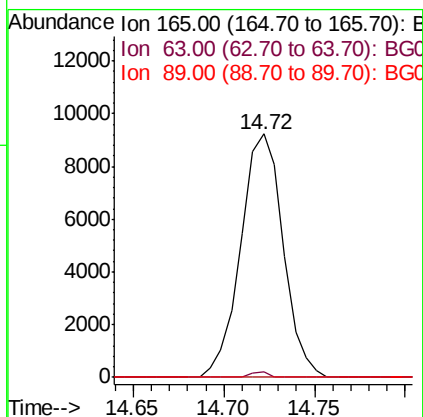
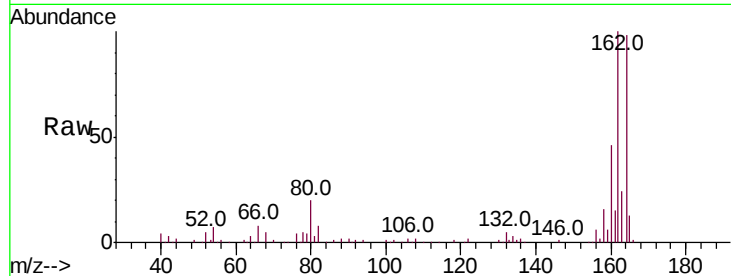




#51
 2,6-Dinitrotoluene
 Concen: 7.235 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038138.D
 Acq: 26 Nov 2018 16:47

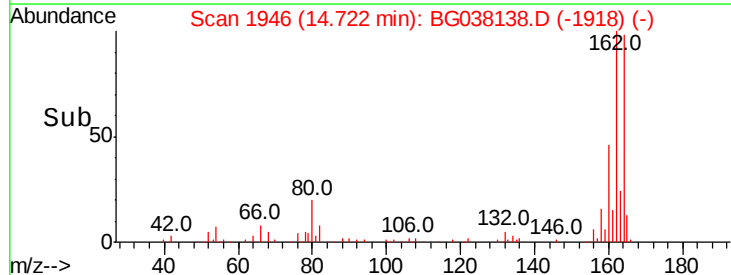
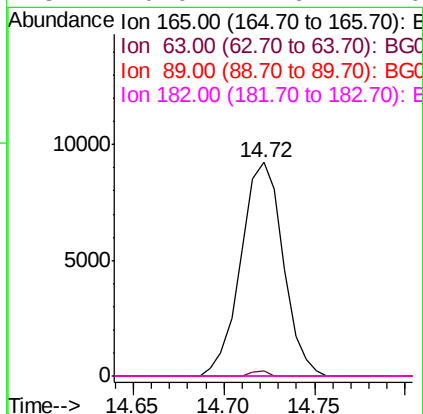
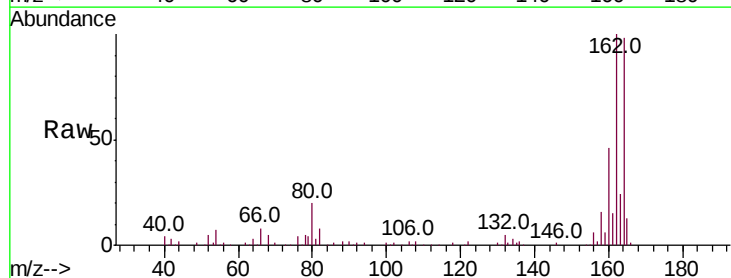
Instrument :
 BNA_G
 ClientSampleId :

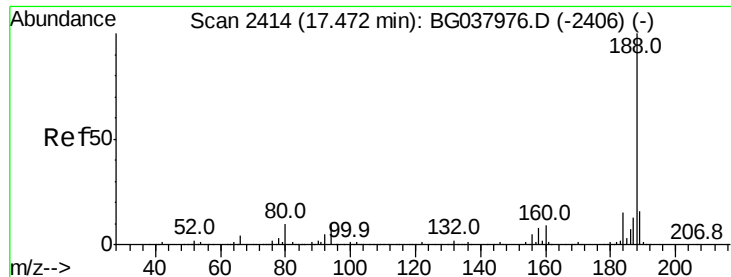
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	43.4	65.2#
89	0.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.317 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038138.D
 Acq: 26 Nov 2018 16:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	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: BG038138.D

Acq: 26 Nov 2018 16:47

Instrument :

BNA_G

ClientSampleId :

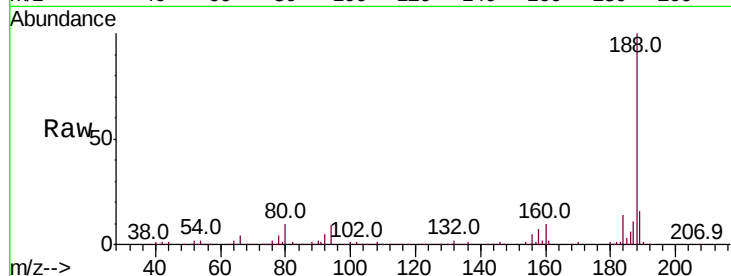
Tot Ion:188 Resp: 253255

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

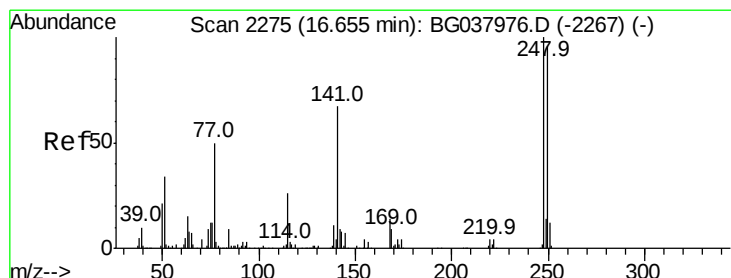
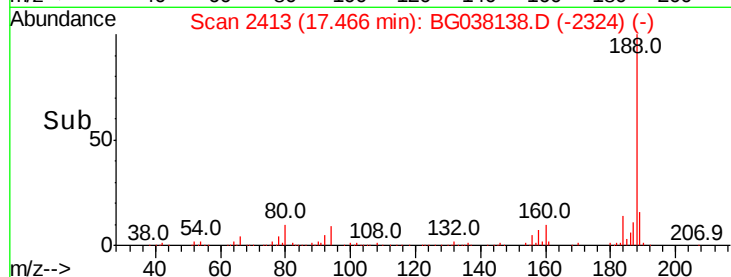
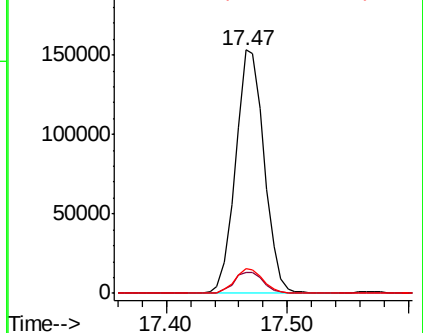
80 10.1 7.7 11.5



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: 3.751 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038138.D

Acq: 26 Nov 2018 16:47

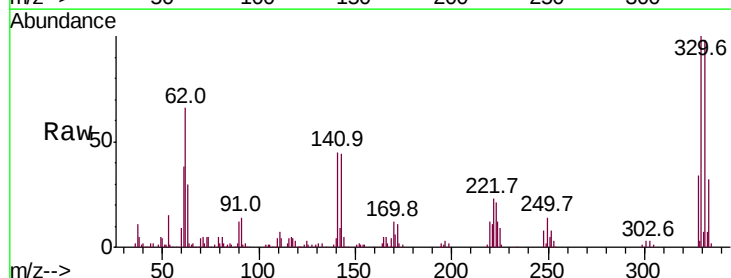
Tgt Ion:248 Resp: 10427

Ion Ratio Lower Upper

248 100

250 184.8 77.0 115.6#

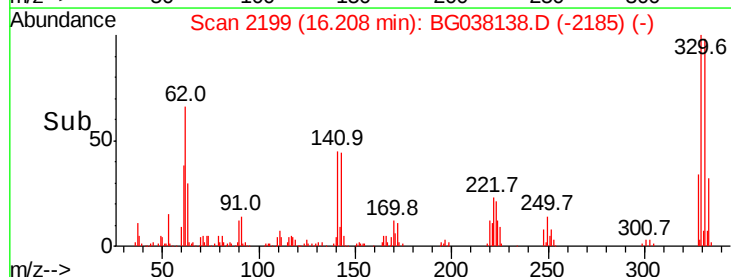
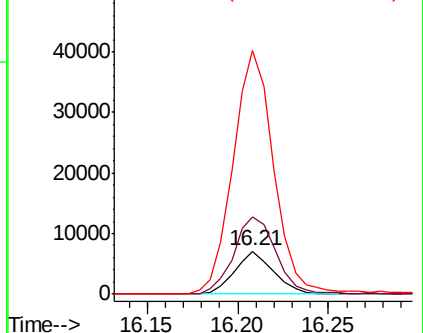
141 439.8 55.5 83.3#

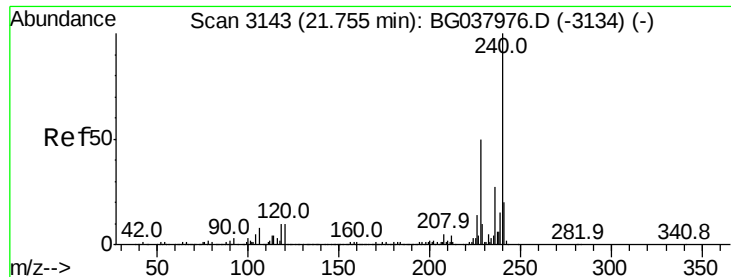


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

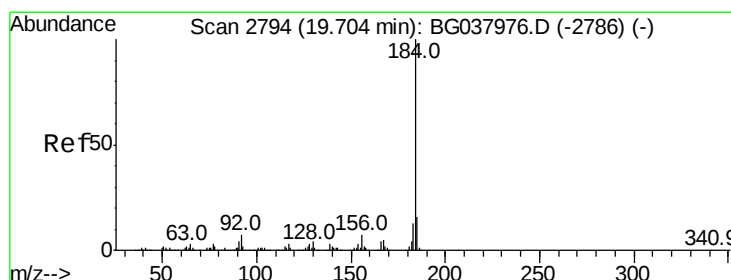
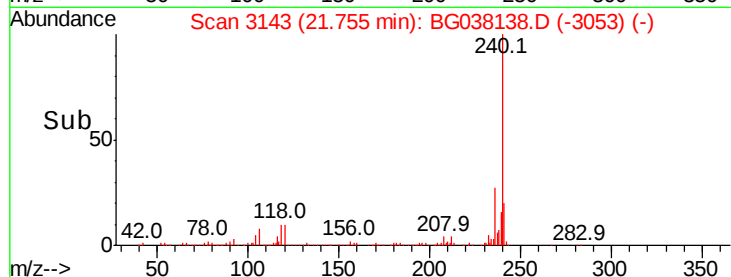
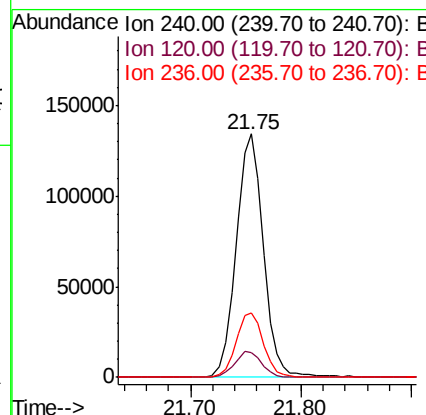
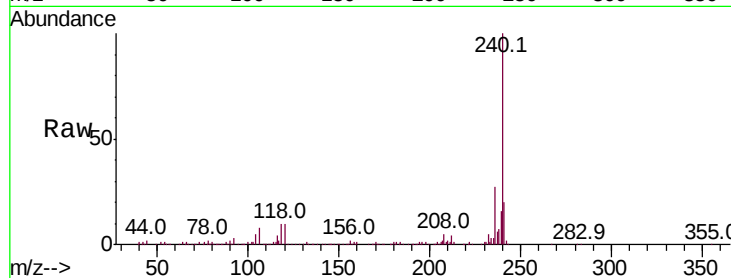




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG038138.D
Acq: 26 Nov 2018 16:47

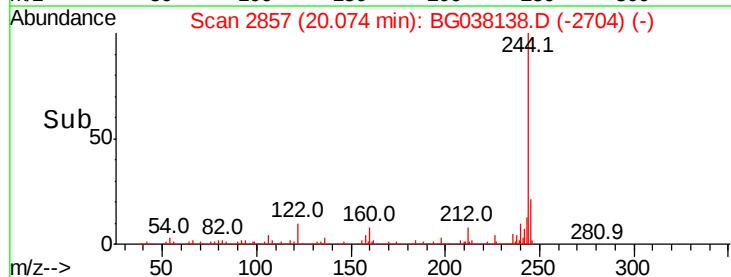
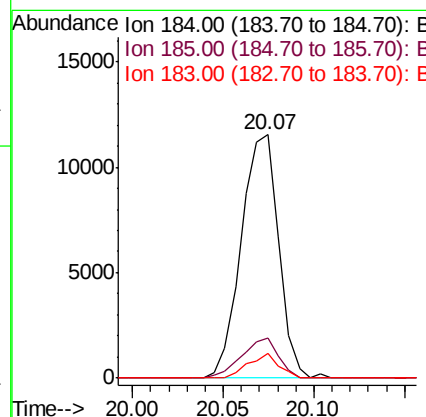
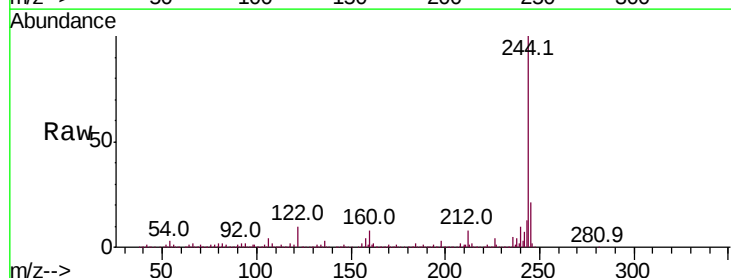
Instrument :
BNA_G
ClientSampleId :

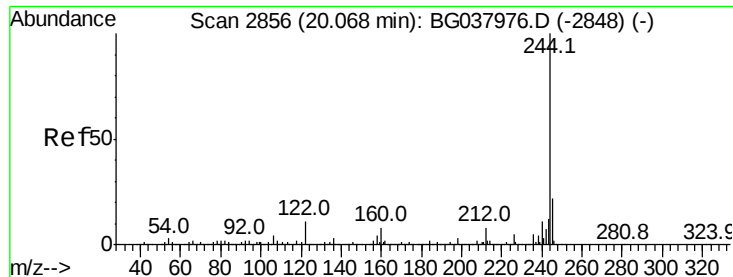
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.1	12.1
236	26.6	21.4	32.0



#77
Benzidine
Concen: 2.032 ng
RT: 20.07 min Scan# 2857
Delta R.T. 0.37 min
Lab File: BG038138.D
Acq: 26 Nov 2018 16:47

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.2	12.6	18.8
183	10.0	10.2	15.2#





#79

Terphenyl-d14

Concen: 96.668 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038138.D

Acq: 26 Nov 2018 16:47

Instrument :

BNA_G

ClientSampleId :

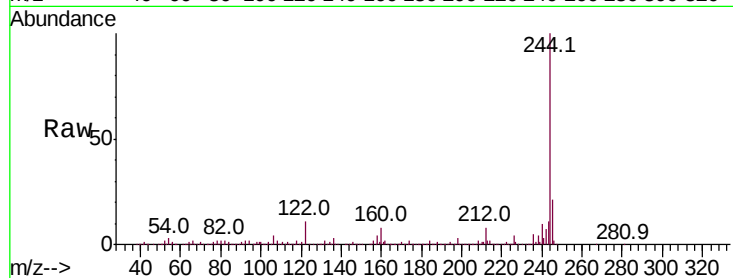
Tot Ion:244 Resp: 952692

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

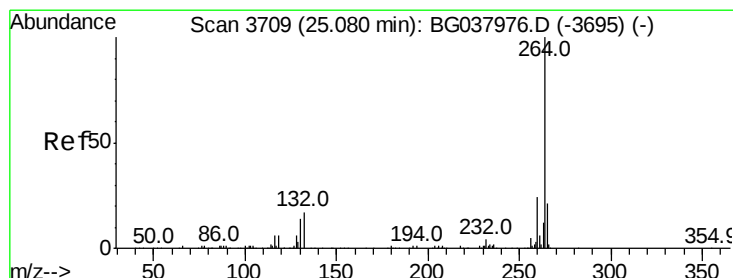
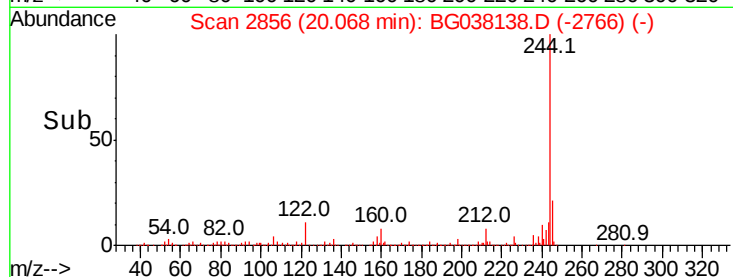
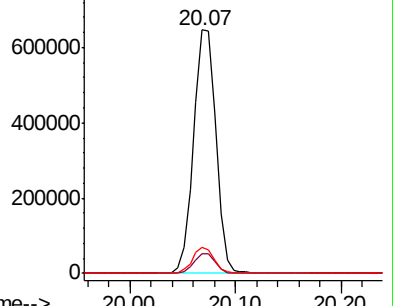
122 10.6 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3709

Delta R.T. -0.00 min

Lab File: BG038138.D

Acq: 26 Nov 2018 16:47

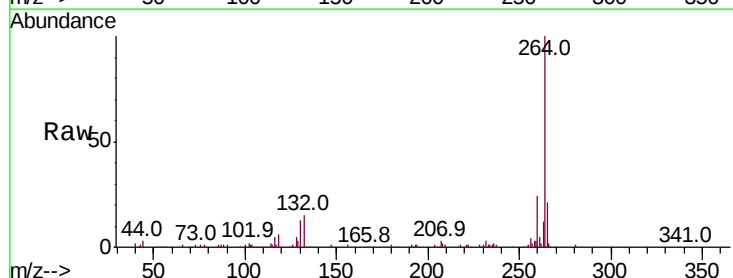
Tgt Ion:264 Resp: 235336

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 20.8 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

