

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101118\
 Data File : BG037260.D
 Acq On : 11 Oct 2018 16:42
 Operator : JU/SJ
 Sample : PB113649BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 11 18:43:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

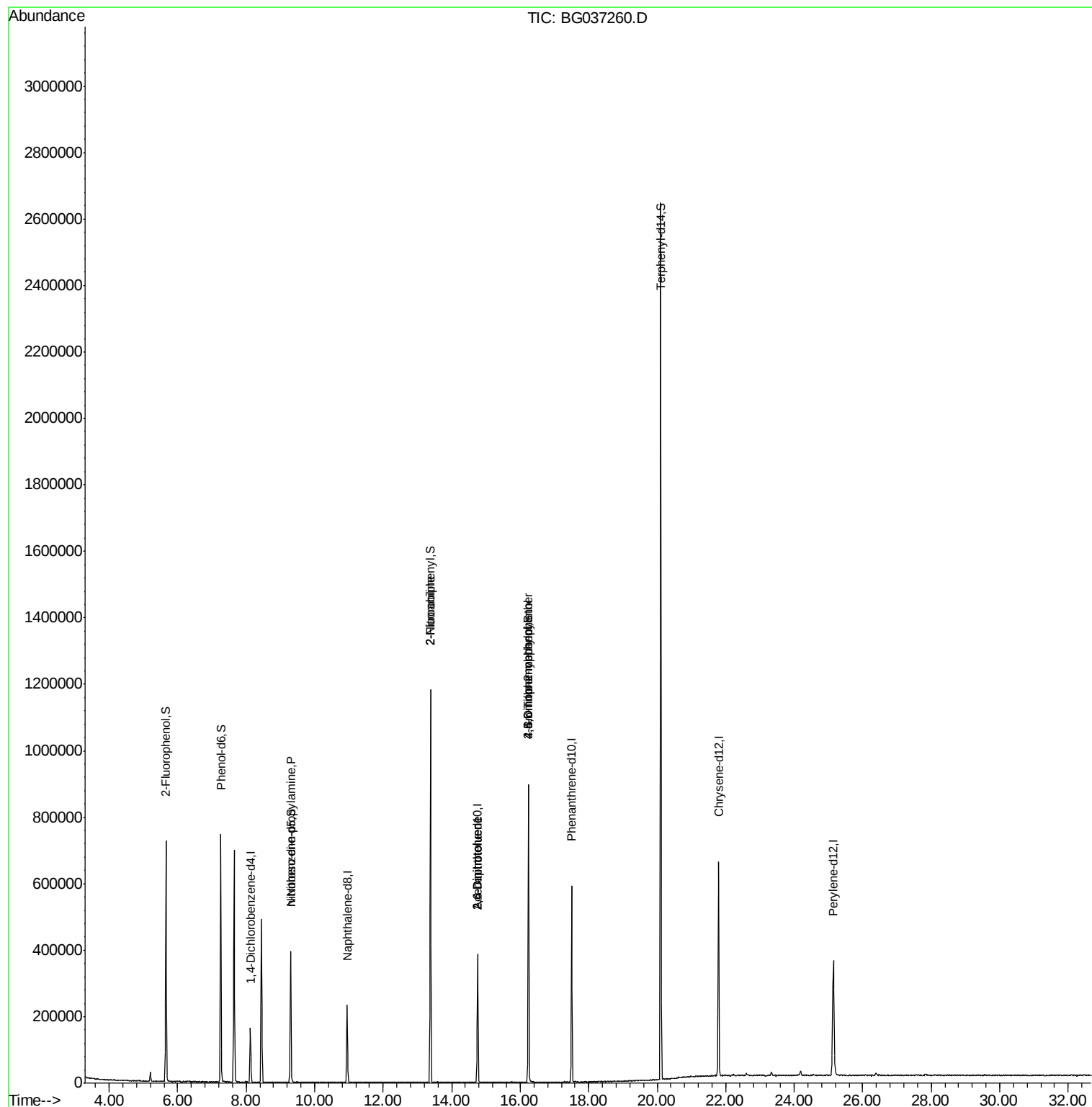
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	48759	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	207116	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	138853	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	375577	20.00	ng	0.00
76) Chrysene-d12	21.79	240	391727	20.00	ng	0.00
87) Perylene-d12	25.15	264	387276	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	323917	116.91	ng	0.00
7) Phenol-d6	7.26	99	456339	108.52	ng	0.00
23) Nitrobenzene-d5	9.30	82	239192	75.93	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	156894	115.21	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	648563	70.15	ng	0.00
79) Terphenyl-d14	20.11	244	1235323	66.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	30872	9.697	ng	# 71
48) 2-Nitroaniline	13.38	65	1015	6.137	ng	# 11
51) 2,6-Dinitrotoluene	14.75	165	17926	12.420	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	17926	11.272	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	459	6.288	ng	# 89
67) 4-Bromophenyl-phenylether	16.24	248	11508	2.839	ng	# 1

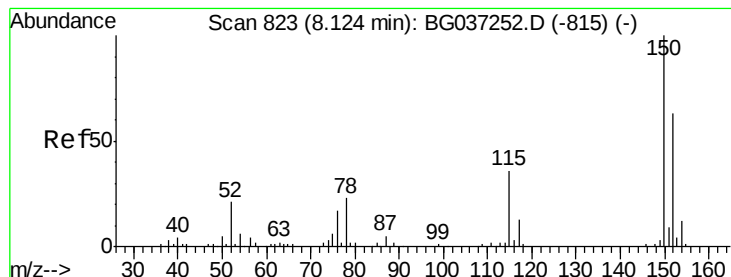
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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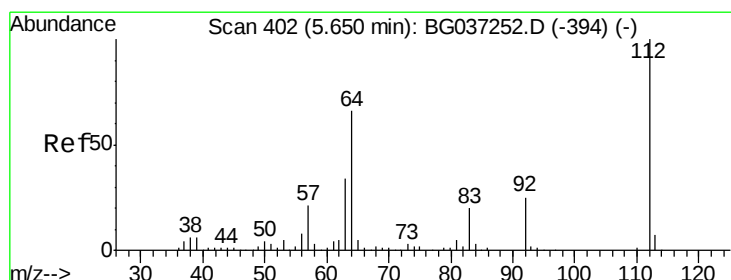
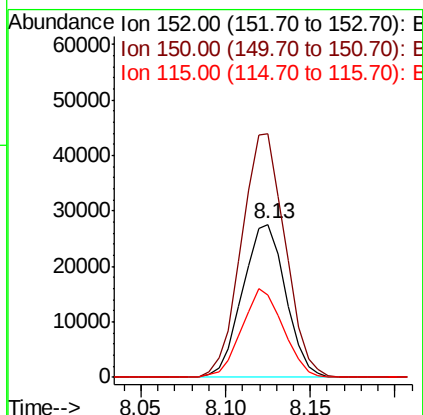
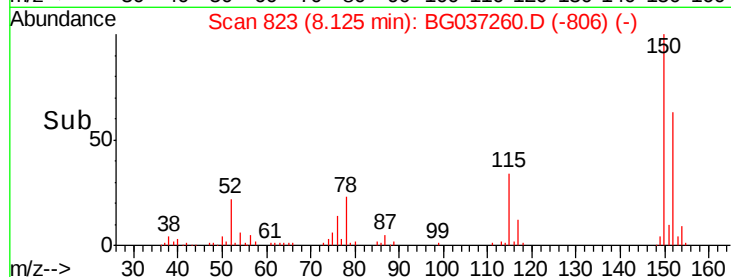
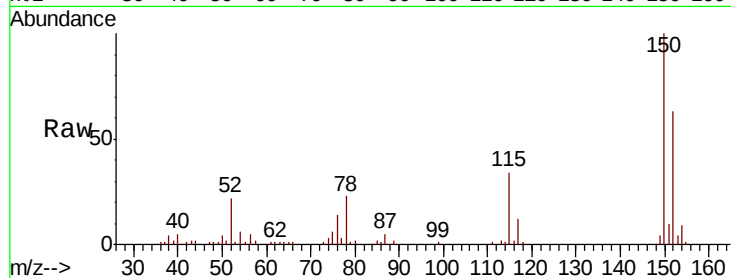


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG037260.D
Acq: 11 Oct 2018 16:42

Instrument :
BNA_G
ClientSampled :

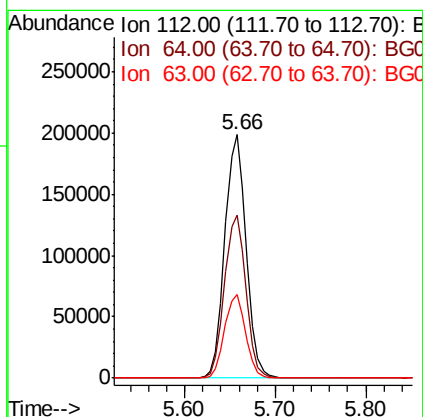
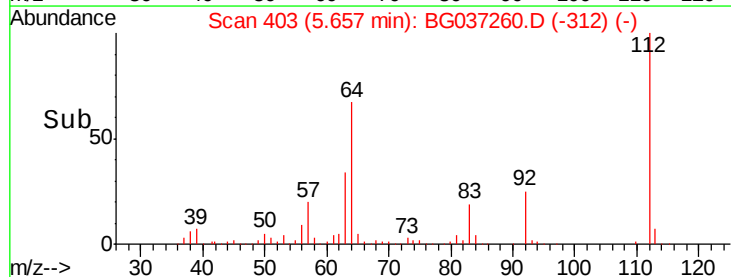
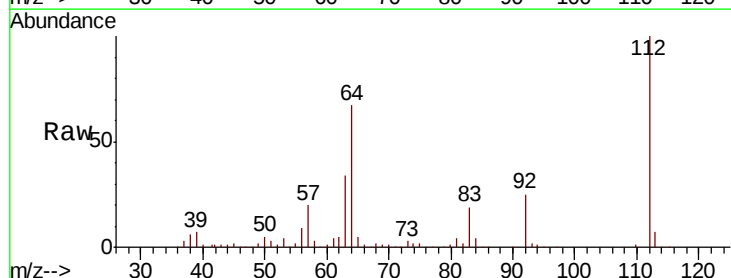
Tot Ion:152 Resp: 48759
Ion Ratio Lower Upper
152 100
150 159.4 126.0 189.0
115 53.9 45.5 68.3

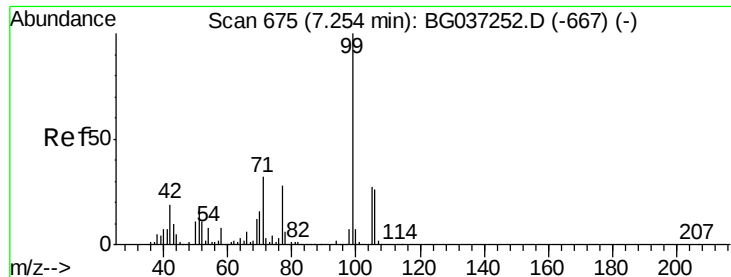


#5

2-Fluorophenol
Concen: 116.914 ng
RT: 5.66 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG037260.D
Acq: 11 Oct 2018 16:42

Tgt Ion:112 Resp: 323917
Ion Ratio Lower Upper
112 100
64 67.0 53.1 79.7
63 34.4 27.3 40.9





#7

Phenol-d6

Concen: 108.517 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

Instrument :

BNA_G

ClientSampleId :

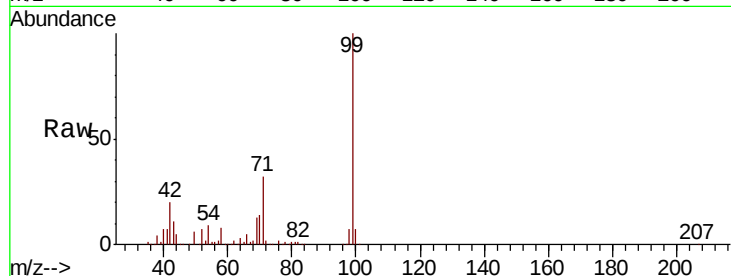
Tot Ion: 99 Resp: 456339

Ion Ratio Lower Upper

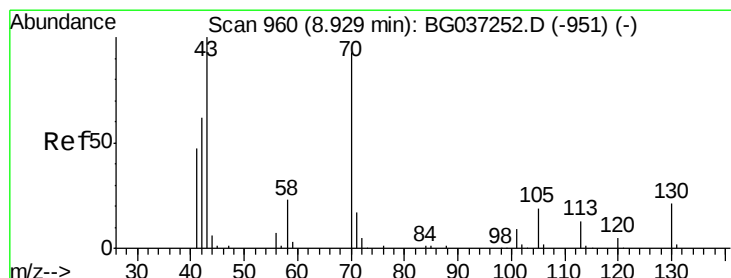
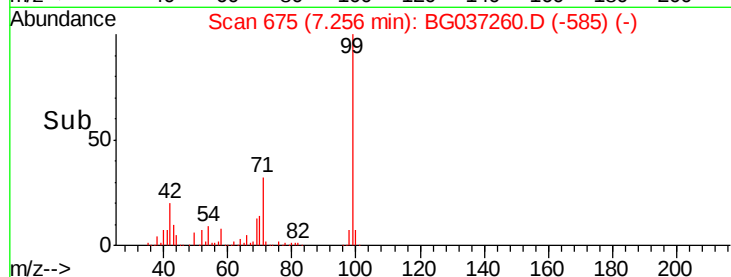
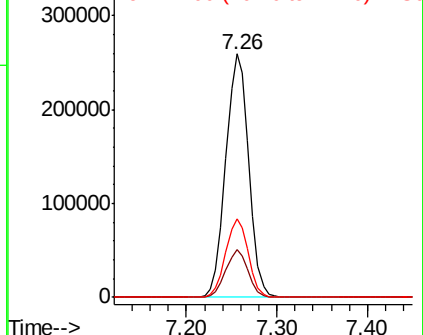
99 100

42 19.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.697 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.37 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

Tgt Ion: 70 Resp: 30872

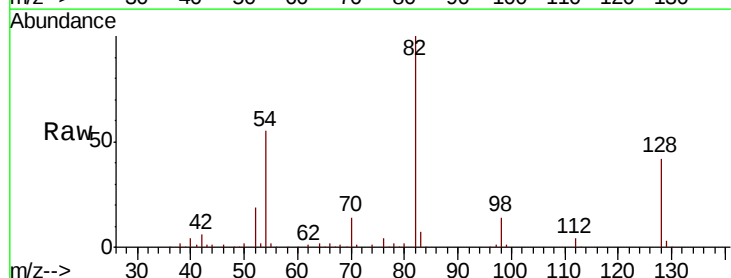
Ion Ratio Lower Upper

70 100

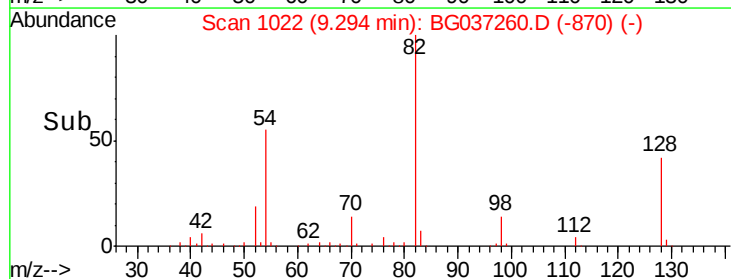
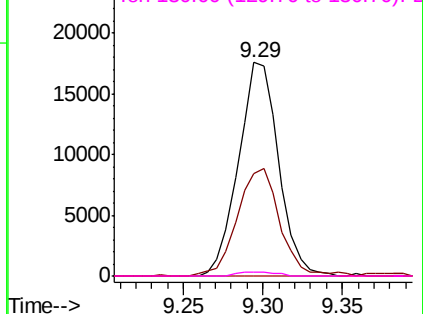
42 48.1 53.9 80.9#

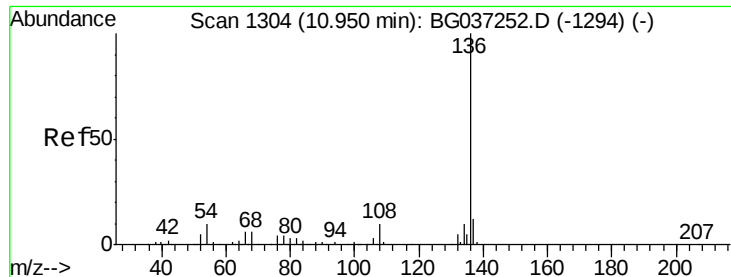
101 0.0 8.2 12.2#

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

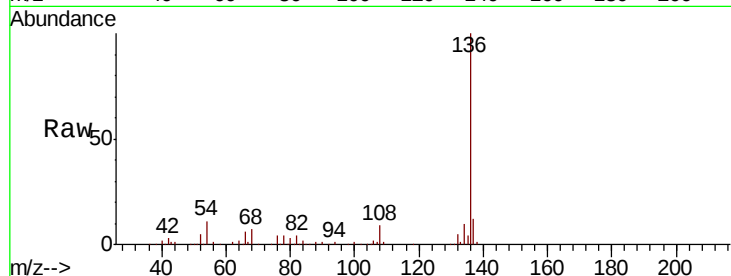




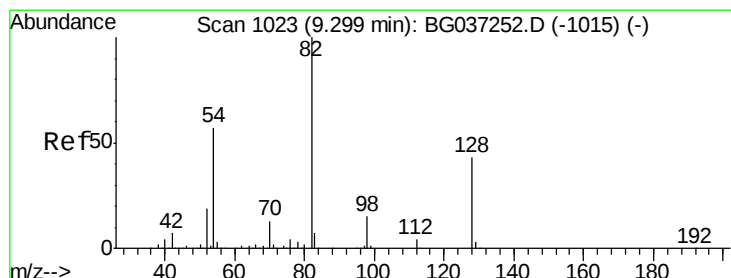
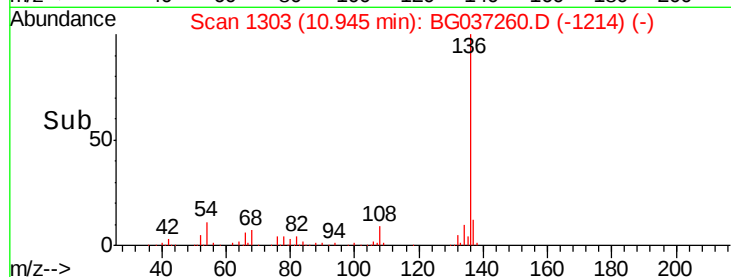
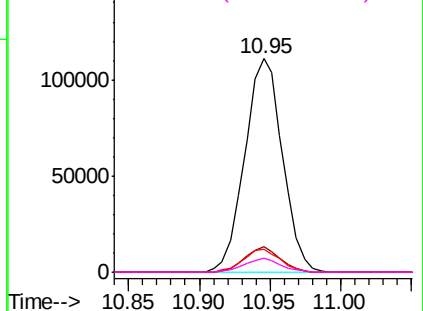
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BG037260.D
Acq: 11 Oct 2018 16:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	207116
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.6 14.4
54	10.7	7.9 11.9
68	6.6	4.8 7.2

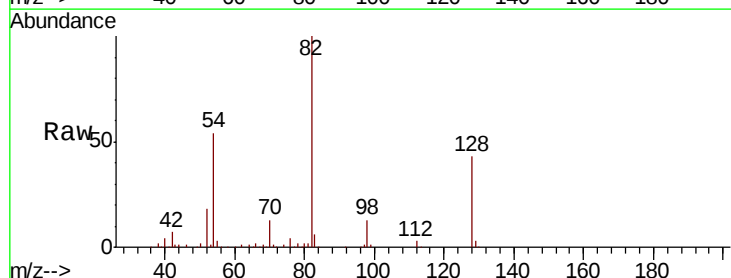


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

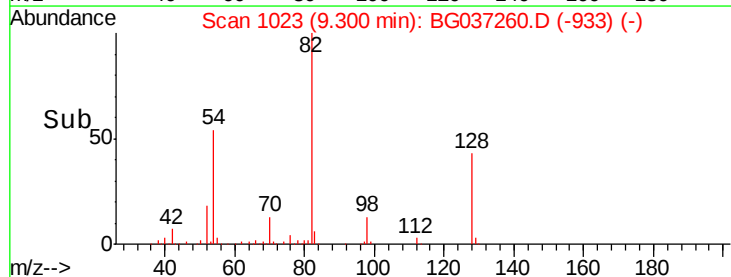
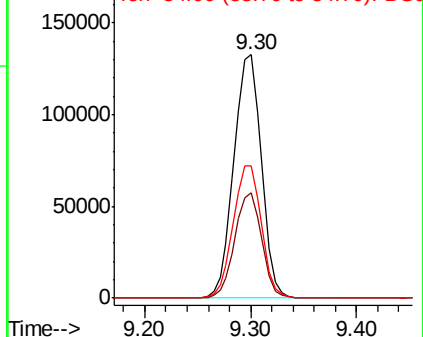


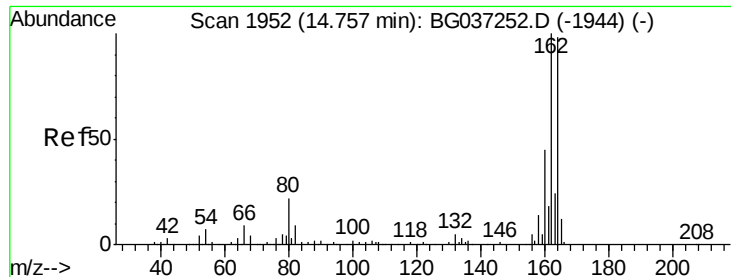
#23
Nitrobenzene-d5
Concen: 75.927 ng
RT: 9.30 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BG037260.D
Acq: 11 Oct 2018 16:42

Tgt Ion: 82	Resp:	239192
Ion	Ratio	Lower Upper
82	100	
128	43.3	34.6 51.8
54	54.3	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: 14.76 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

Instrument :

BNA_G

ClientSampled :

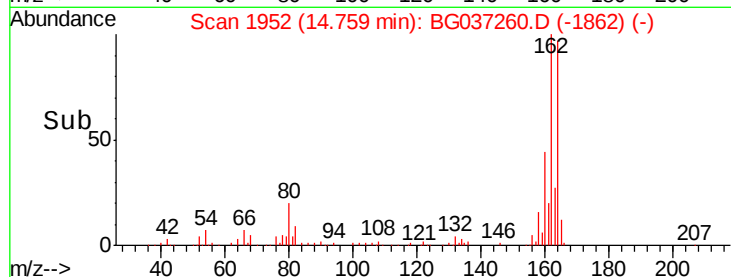
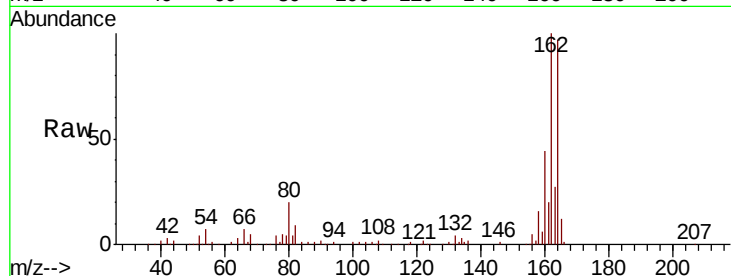
Tot Ion:164 Resp: 138853

Ion Ratio Lower Upper

164 100

162 102.7 81.3 121.9

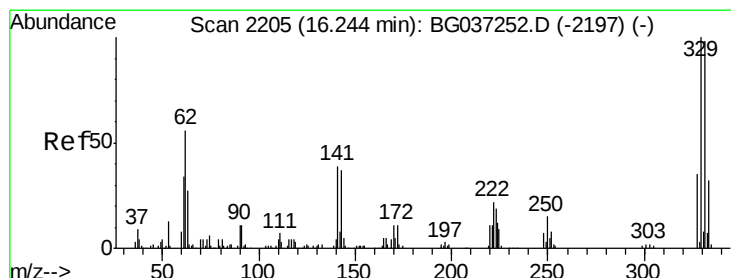
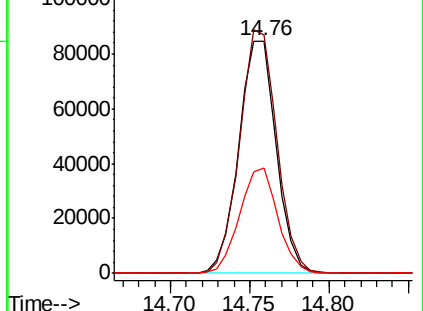
160 45.4 36.3 54.5



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: 115.214 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

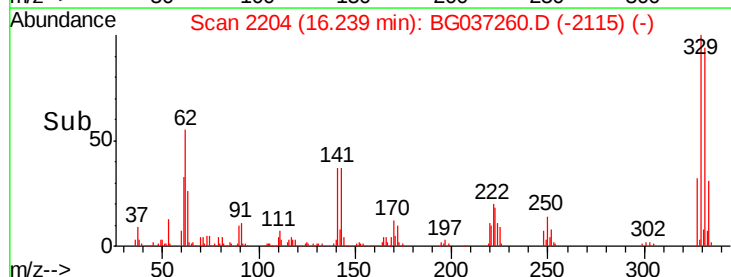
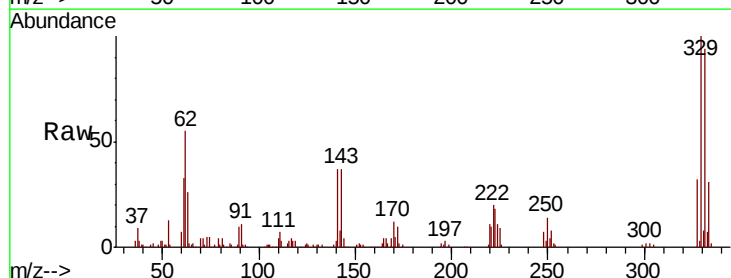
Tgt Ion:330 Resp: 156894

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

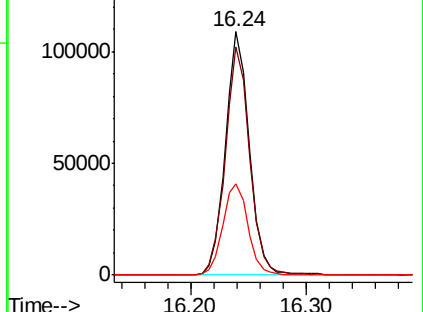
141 39.2 32.2 48.2

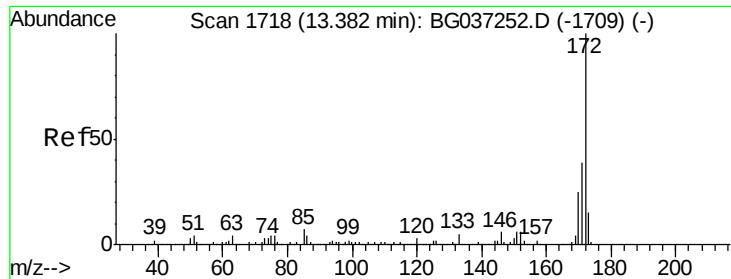


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

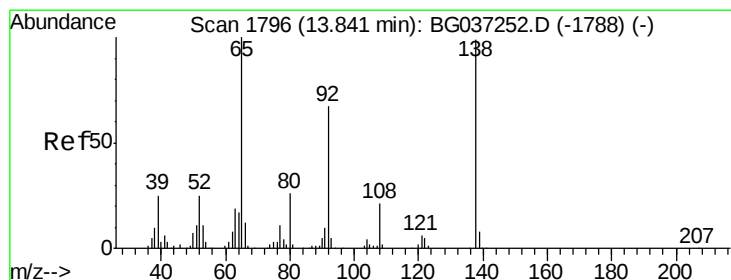
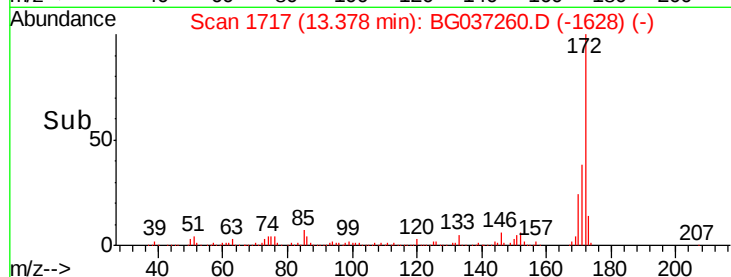
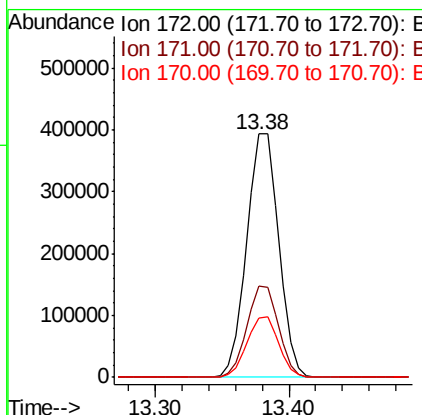
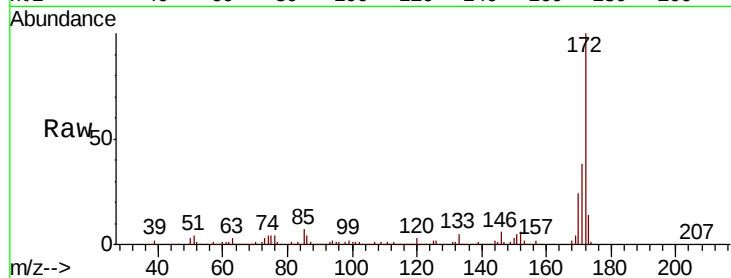




#45
2-Fluorobiphenyl
Concen: 70.145 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG037260.D
Acq: 11 Oct 2018 16:42

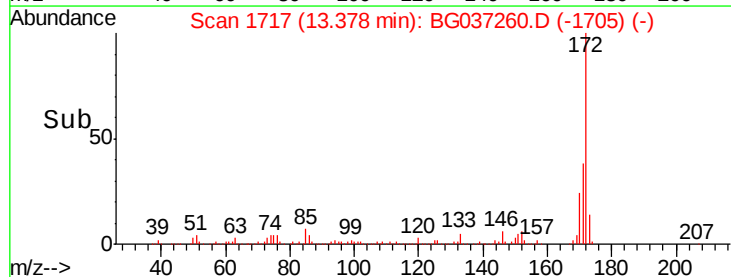
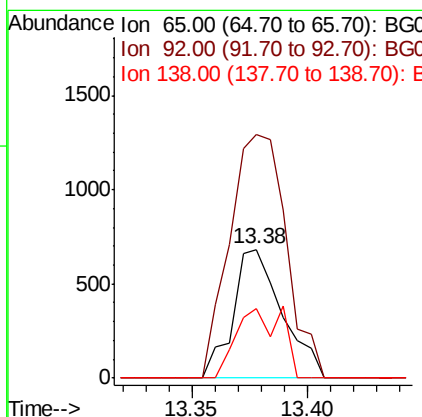
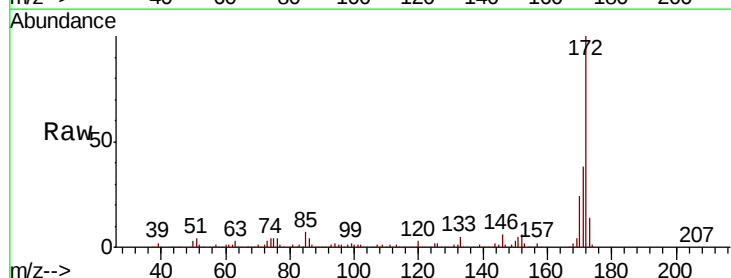
Instrument :
BNA_G
ClientSampleId :

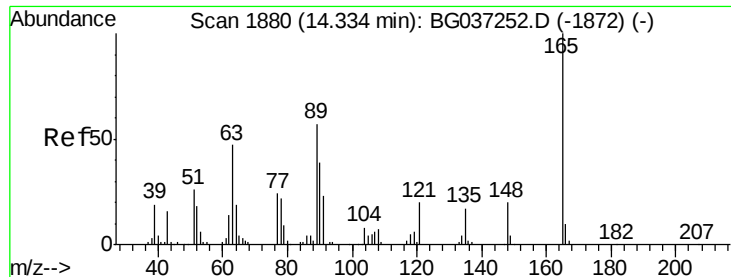
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.0	46.4
170	24.4	20.2	30.2



#48
2-Nitroaniline
Concen: 6.137 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.46 min
Lab File: BG037260.D
Acq: 11 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
65	100		
92	188.9	53.2	79.8#
138	53.7	79.3	118.9#

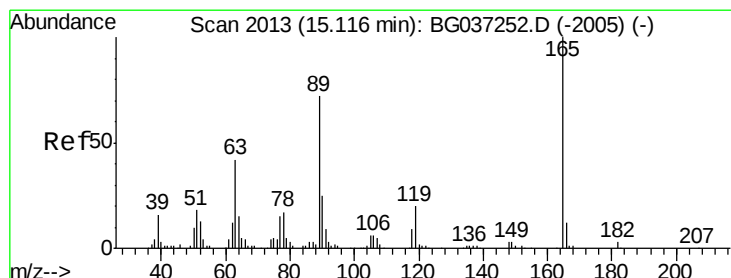
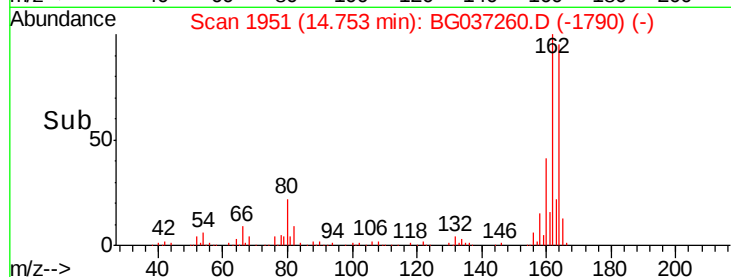
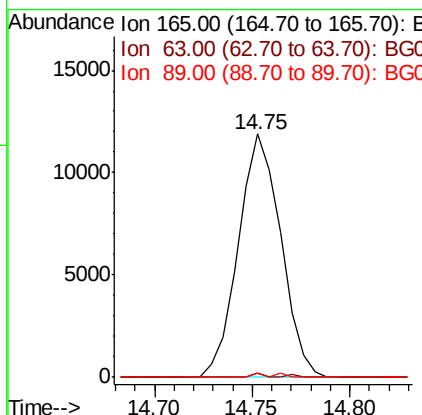
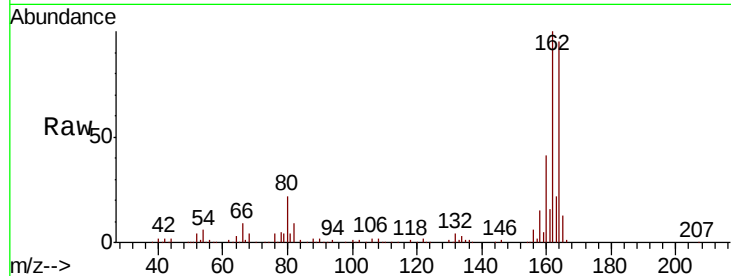




#51
 2,6-Dinitrotoluene
 Concen: 12.420 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. 0.42 min
 Lab File: BG037260.D
 Acq: 11 Oct 2018 16:42

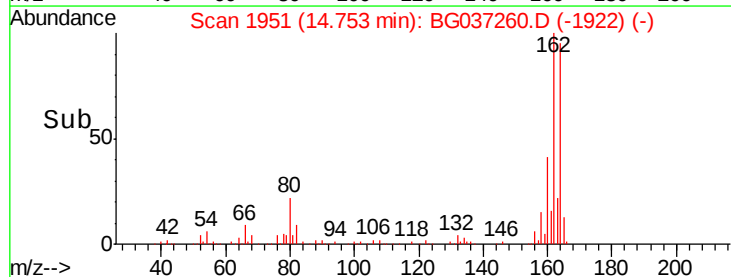
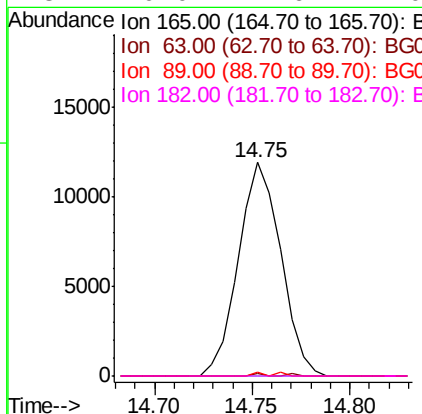
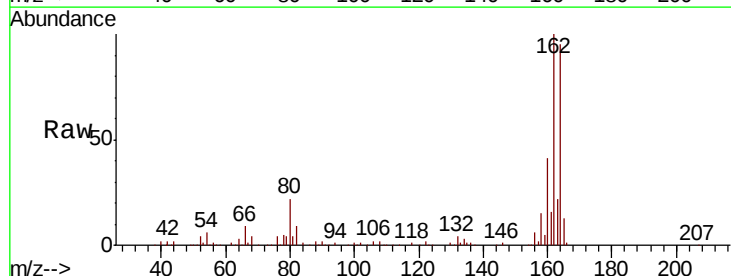
Instrument :
 BNA_G
 ClientSampleId :

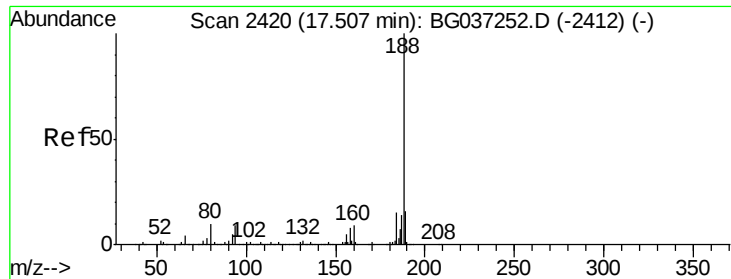
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	43.4	65.2#
89	1.5	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 11.272 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG037260.D
 Acq: 11 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.4	50.0#
89	1.5	57.2	85.8#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

Instrument :

BNA_G

ClientSampleId :

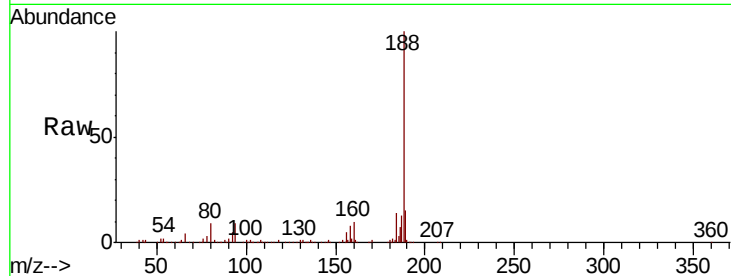
Tot Ion:188 Resp: 375577

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

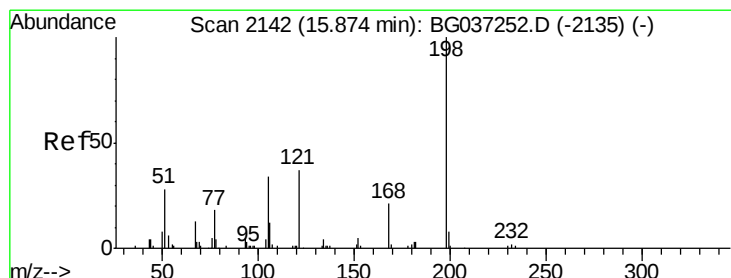
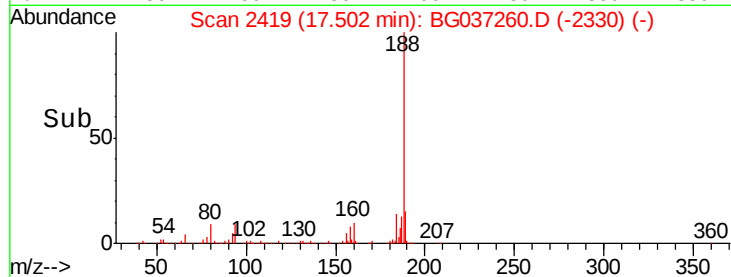
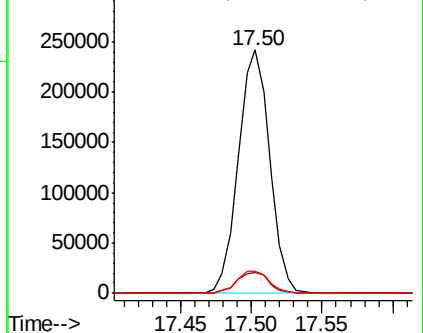
80 9.3 7.7 11.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.288 ng

RT: 16.23 min Scan# 2203

Delta R.T. 0.36 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

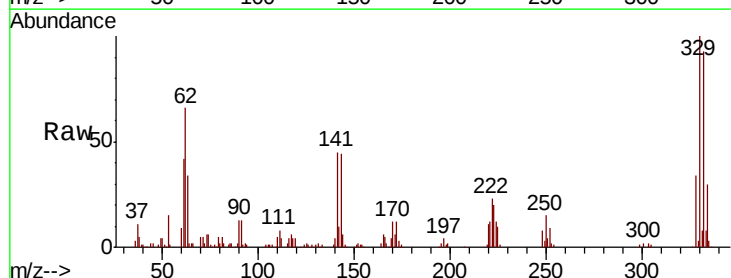
Tgt Ion:198 Resp: 459

Ion Ratio Lower Upper

198 100

51 32.9 22.7 62.7

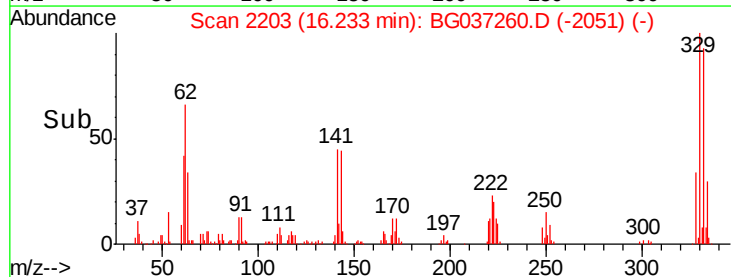
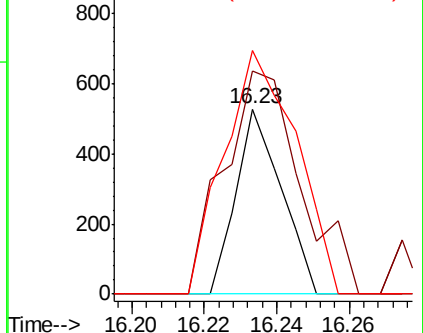
105 35.8 19.7 59.7

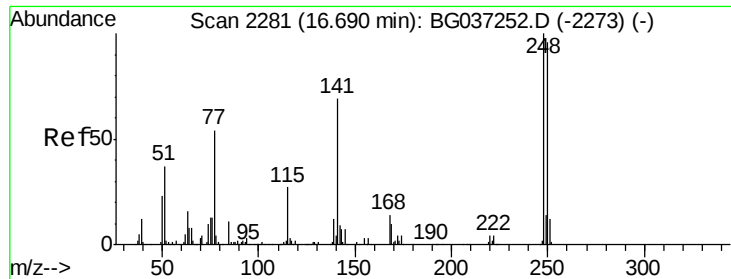


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.839 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

Instrument :

BNA_G

ClientSampleId :

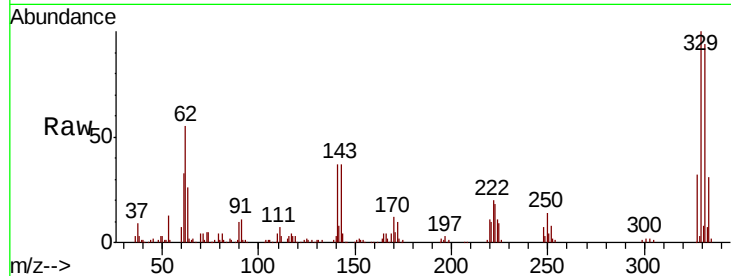
Tot Ion:248 Resp: 11508

Ion Ratio Lower Upper

248 100

250 191.2 77.0 115.6#

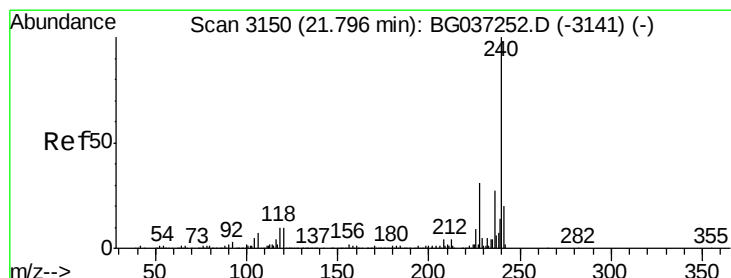
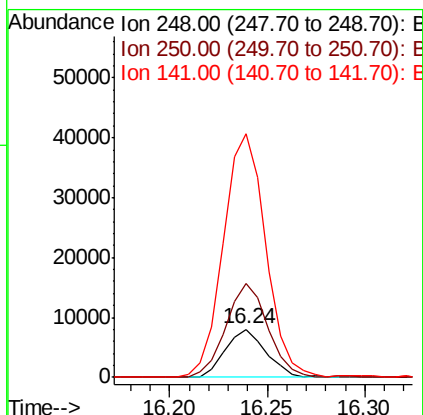
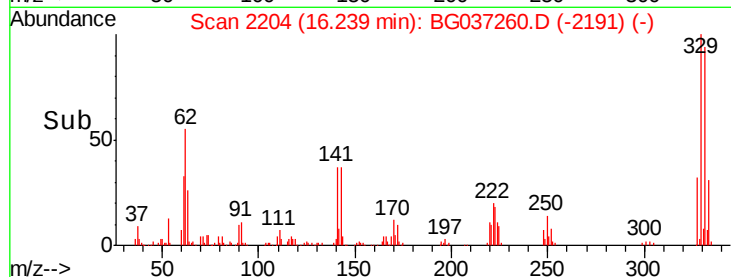
141 379.0 55.5 83.3#



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: 21.79 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

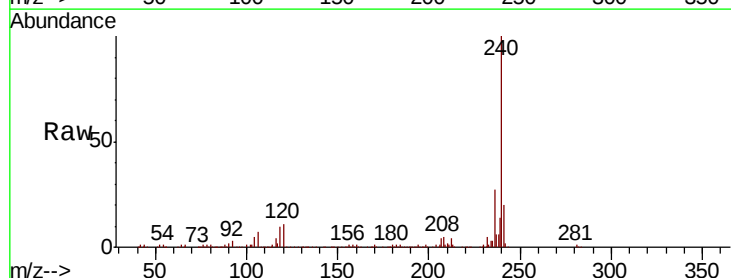
Tgt Ion:240 Resp: 391727

Ion Ratio Lower Upper

240 100

120 10.8 8.1 12.1

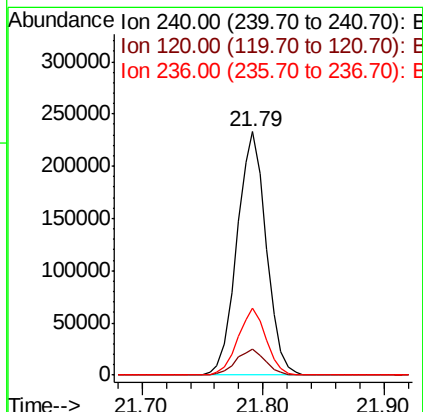
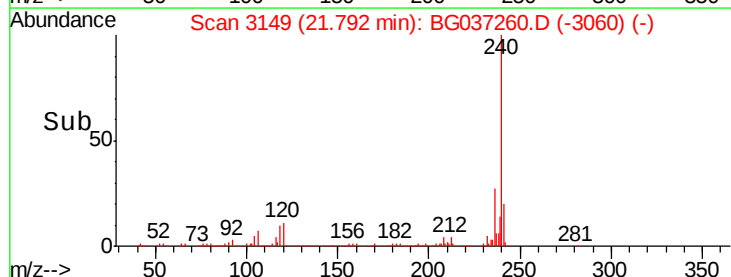
236 27.3 21.4 32.0

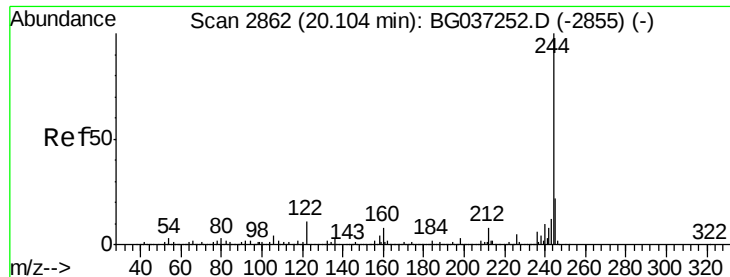


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 66.216 ng

RT: 20.11 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

Instrument :

BNA_G

ClientSampleId :

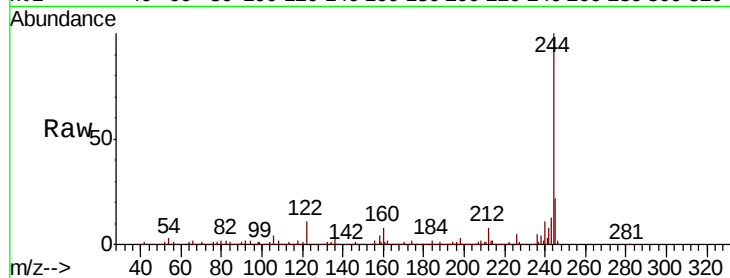
Tot Ion:244 Resp: 1235323

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

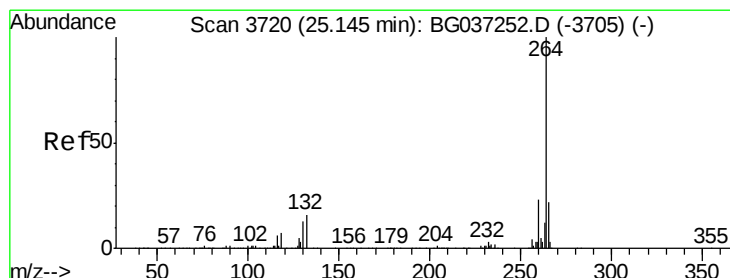
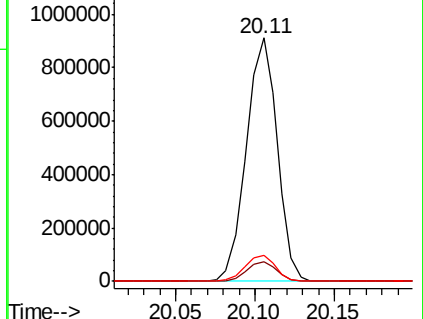
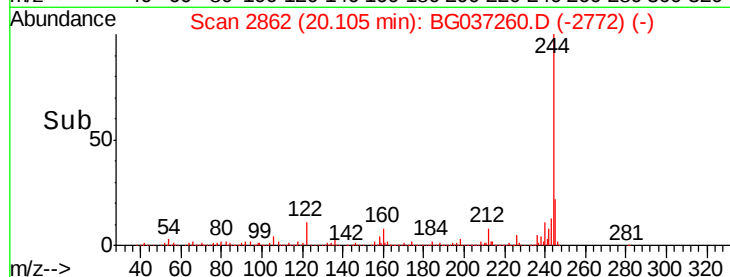
122 10.5 9.0 13.4



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: 25.15 min Scan# 3720

Delta R.T. 0.00 min

Lab File: BG037260.D

Acq: 11 Oct 2018 16:42

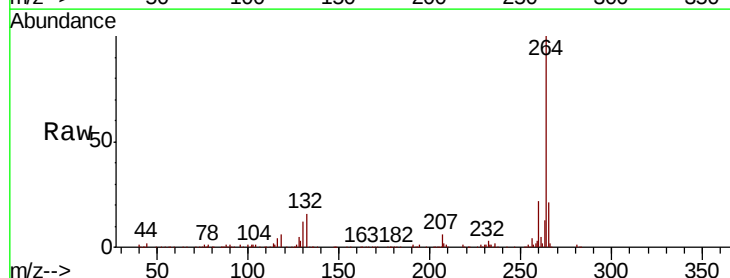
Tgt Ion:264 Resp: 387276

Ion Ratio Lower Upper

264 100

260 21.9 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

