

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037377.D
 Acq On : 17 Oct 2018 5:40
 Operator : JU/SJ
 Sample : J5198-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 07:13:25 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

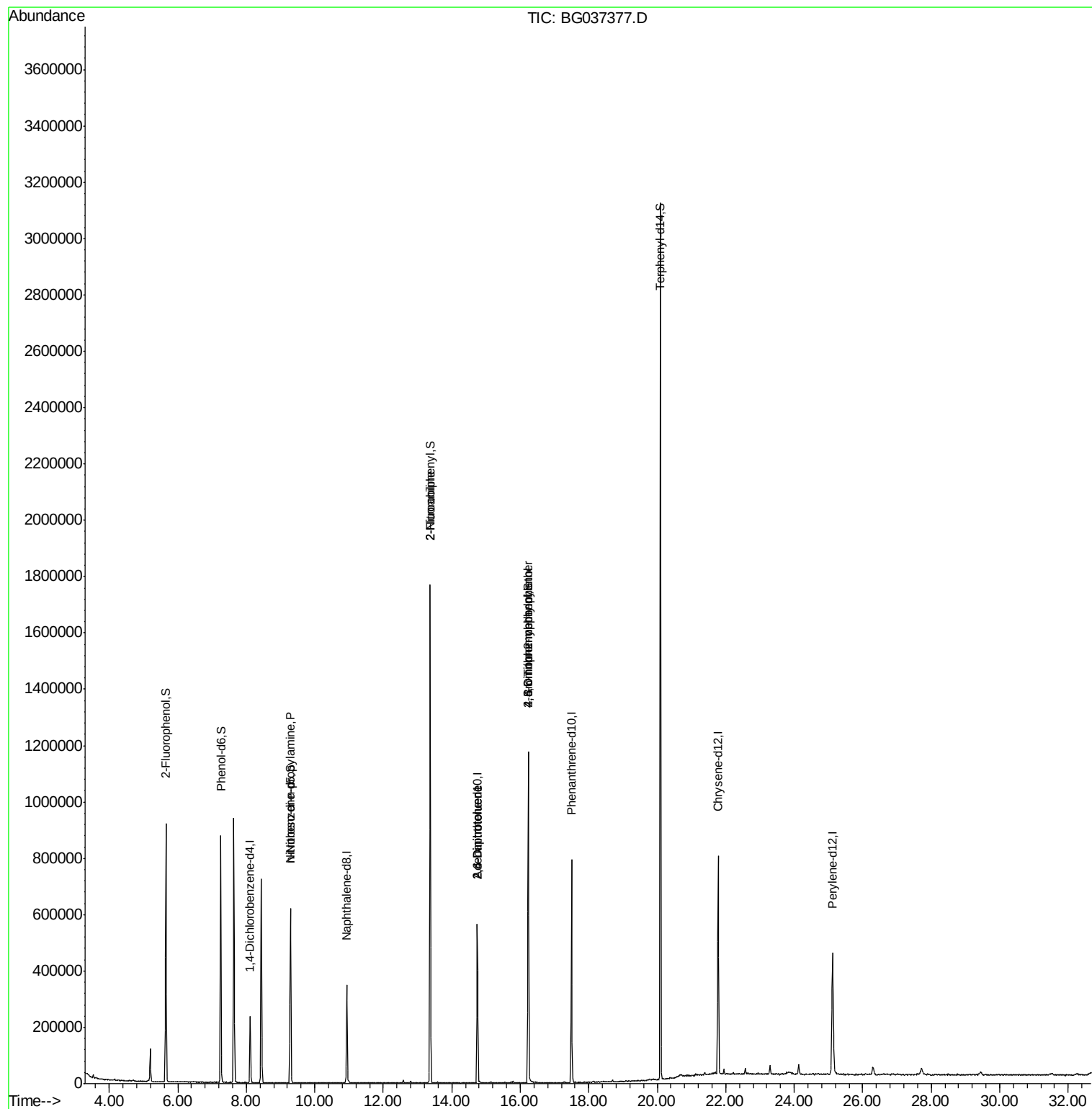
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	71041	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	302120	20.00	ng	-0.01
39) Acenaphthene-d10	14.74	164	203435	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	496668	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	469113	20.00	ng	-0.02
87) Perylene-d12	25.12	264	466053	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	430551	106.66	ng	0.00
7) Phenol-d6	7.25	99	544248	88.83	ng	0.00
23) Nitrobenzene-d5	9.29	82	395743	86.12	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	213864	107.19	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	957583	70.69	ng	-0.01
79) Terphenyl-d14	20.09	244	1477821	66.15	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	48635	10.485	ng	# 71
48) 2-Nitroaniline	13.36	65	1612	6.169	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	26575	12.511	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	26575	11.343	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	526	6.242	ng	82
67) 4-Bromophenyl-phenylether	16.23	248	15646	2.919	ng	# 1

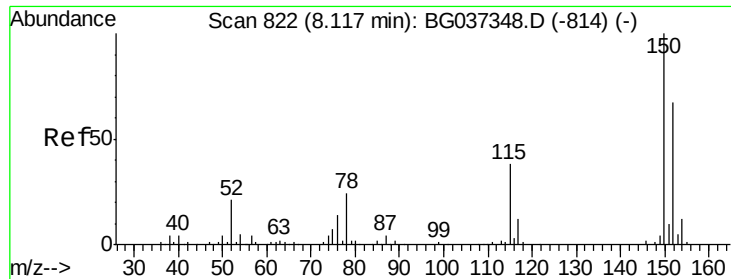
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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Quant Time: Oct 17 07:13:25 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



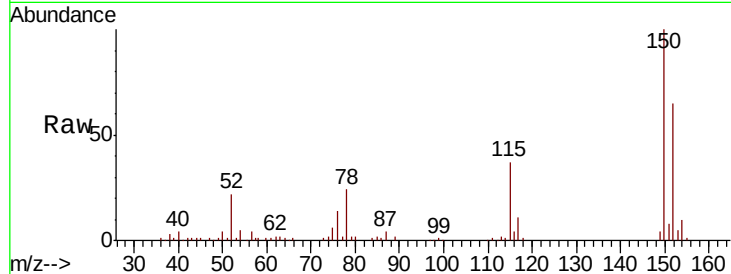


#1

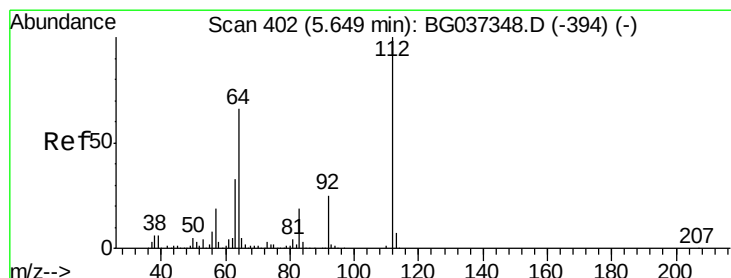
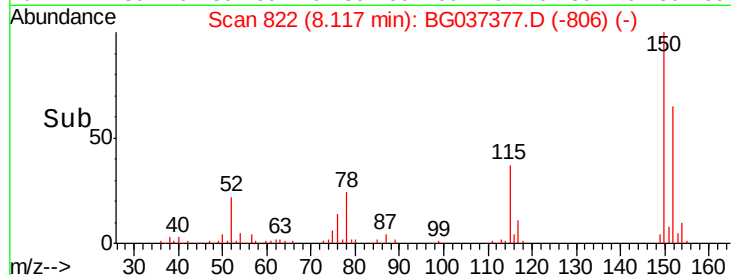
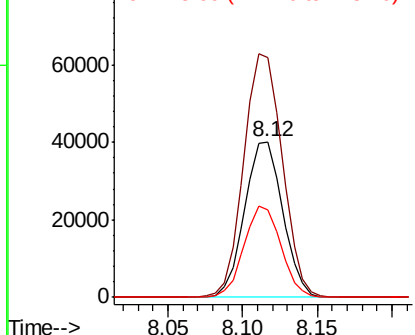
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037377.D
Acq: 17 Oct 2018 5:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 71041
Ion Ratio Lower Upper
152 100
150 154.0 126.0 189.0
115 56.4 45.5 68.3



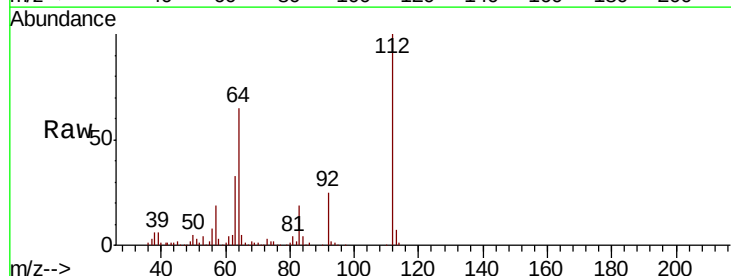
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



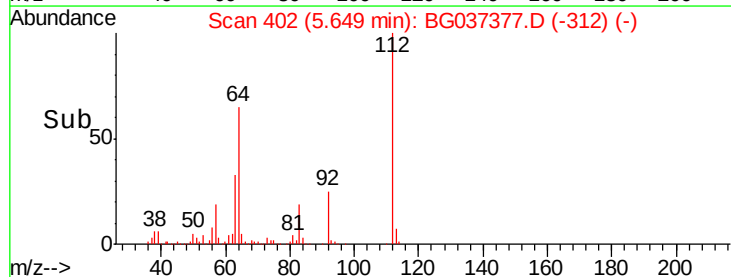
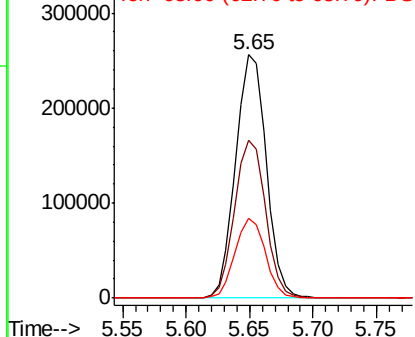
#5

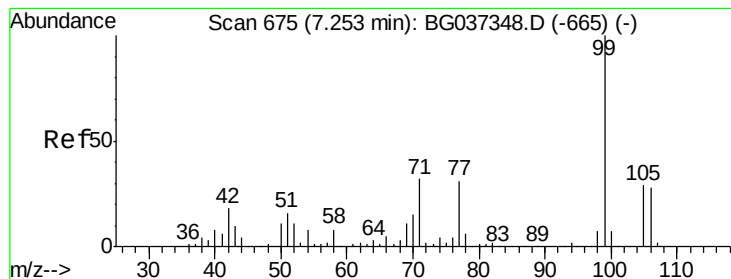
2-Fluorophenol
Concen: 106.661 ng
RT: 5.65 min Scan# 402
Delta R.T. -0.00 min
Lab File: BG037377.D
Acq: 17 Oct 2018 5:40

Tgt Ion:112 Resp: 430551
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.8 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: 88.828 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

Instrument :

BNA_G

ClientSampleId :

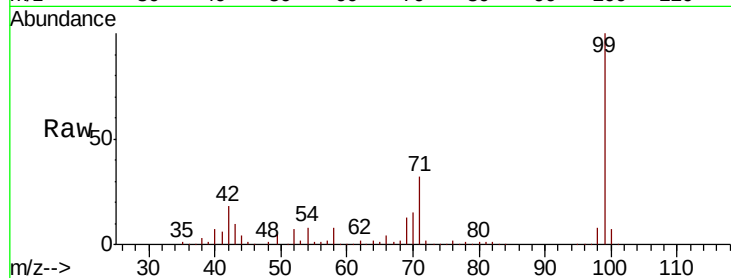
Tot Ion: 99 Resp: 544248

Ion Ratio Lower Upper

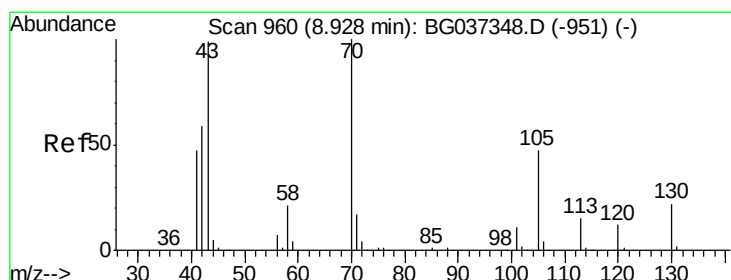
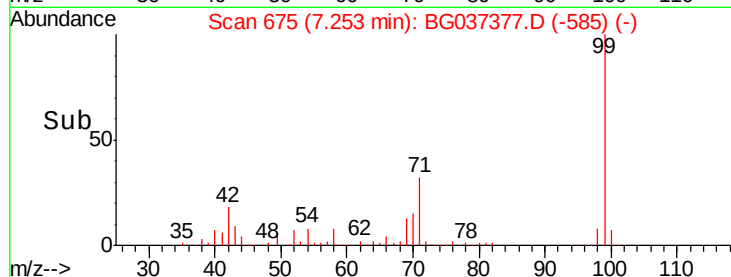
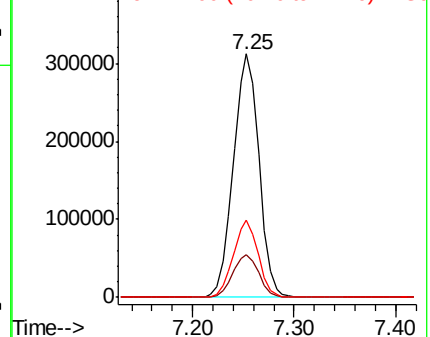
99 100

42 17.7 15.0 22.4

71 31.7 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: 10.485 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

Tgt Ion: 70 Resp: 48635

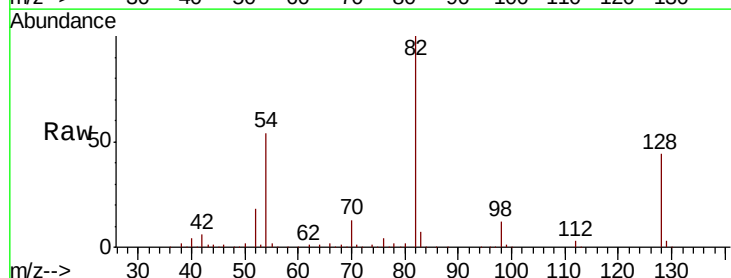
Ion Ratio Lower Upper

70 100

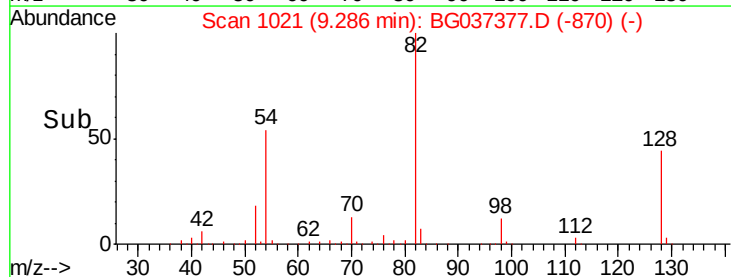
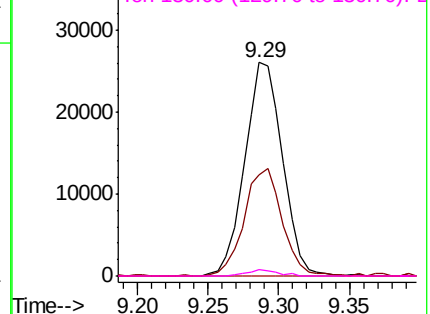
42 47.1 53.9 80.9#

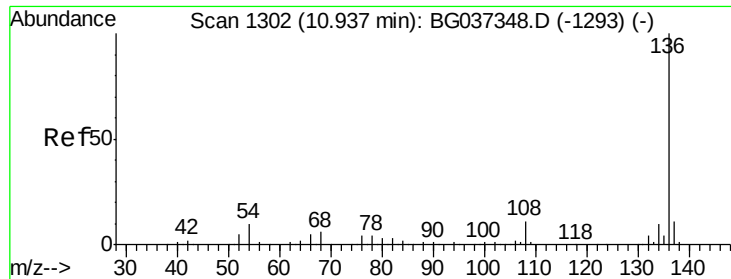
101 0.0 8.2 12.2#

130 2.7 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

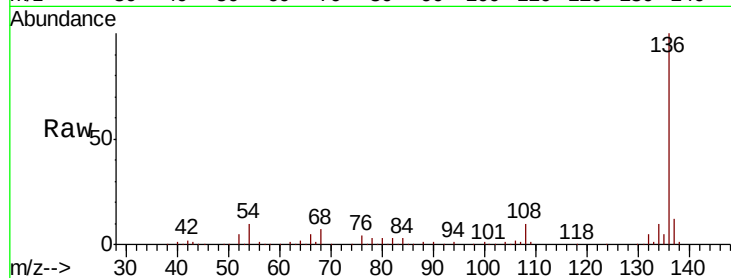




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037377.D
Acq: 17 Oct 2018 5:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	302120
Ion	Ratio	Lower Upper
136	100	
137	12.2	9.6 14.4
54	10.1	7.9 11.9
68	7.2	4.8 7.2



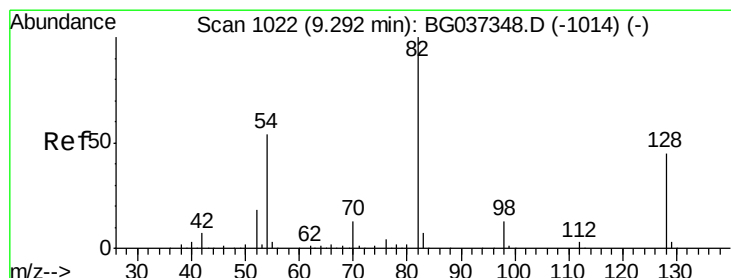
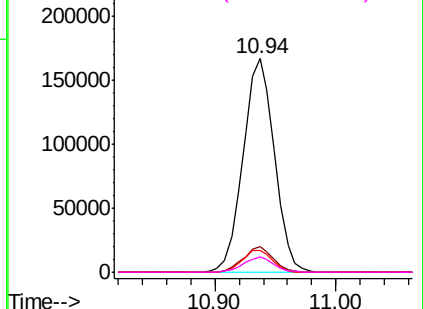
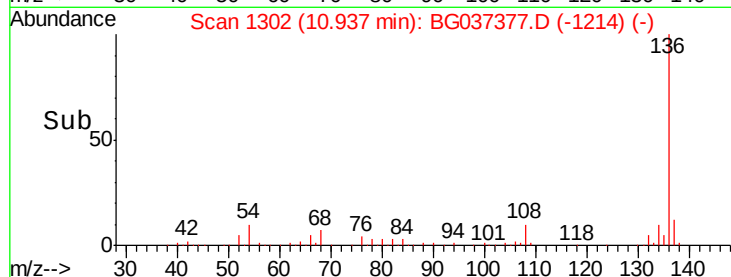
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

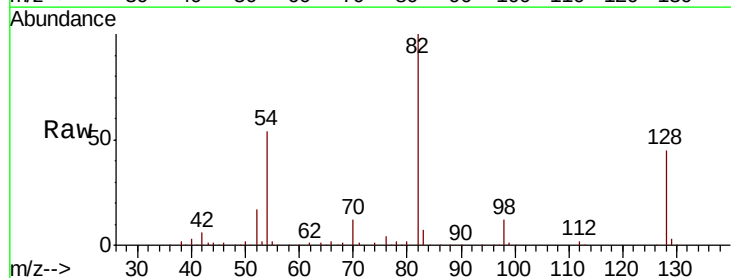
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 86.118 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037377.D
Acq: 17 Oct 2018 5:40

Tgt Ion: 82	Resp:	395743
Ion	Ratio	Lower Upper
82	100	
128	45.0	34.6 51.8
54	53.6	45.3 67.9

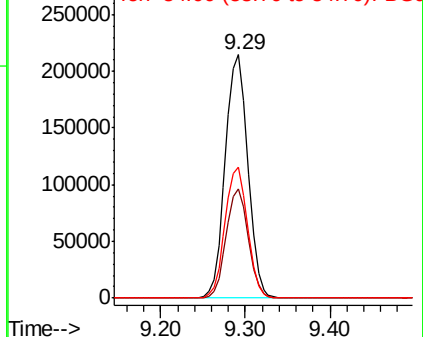
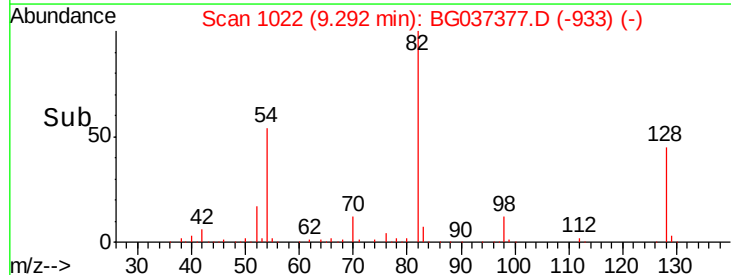


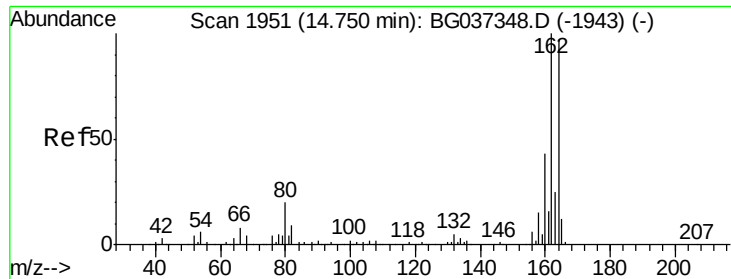
Abundance

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: 14.74 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

Instrument :

BNA_G

ClientSampleId :

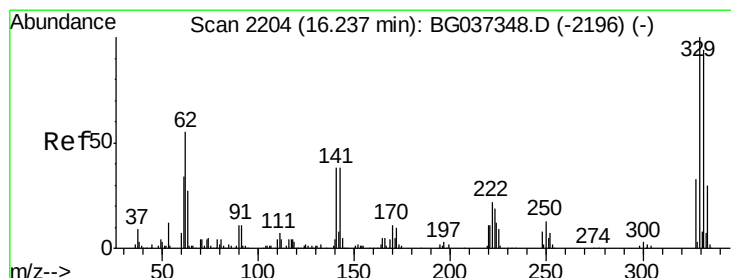
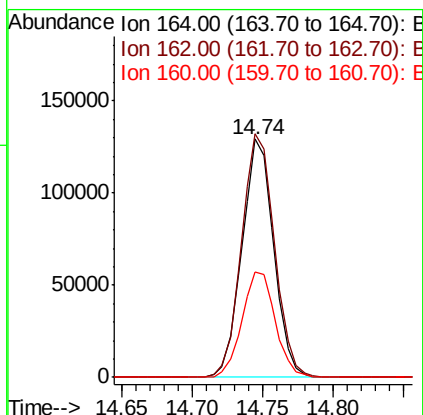
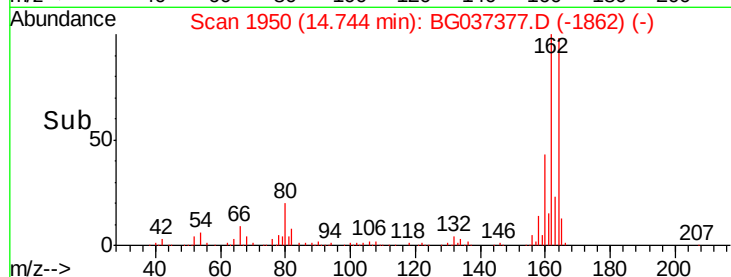
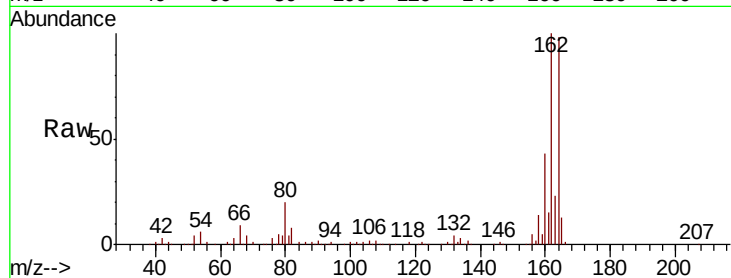
Tot Ion:164 Resp: 203435

Ion Ratio Lower Upper

164 100

162 102.1 81.3 121.9

160 44.0 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 107.193 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

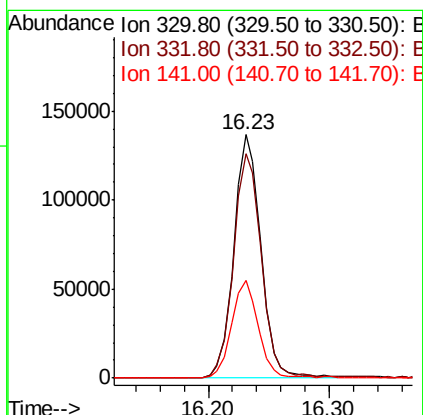
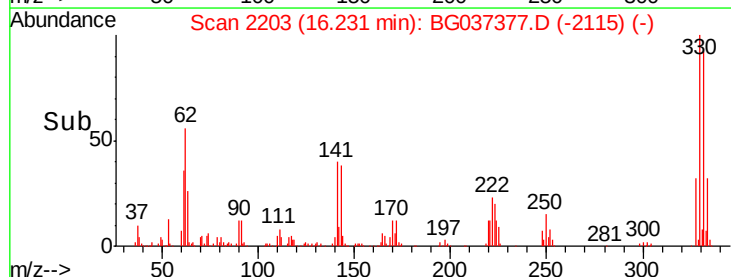
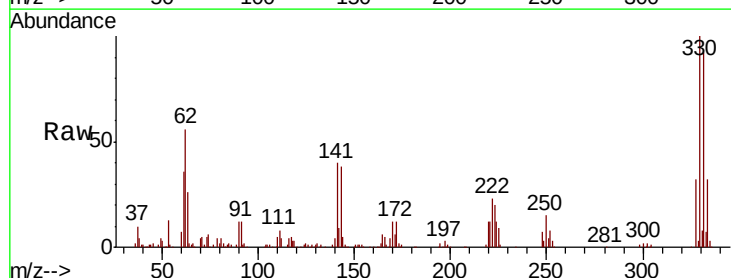
Tgt Ion:330 Resp: 213864

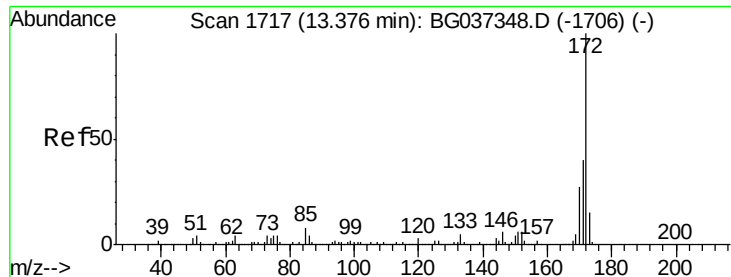
Ion Ratio Lower Upper

330 100

332 95.9 78.4 117.6

141 39.5 32.2 48.2

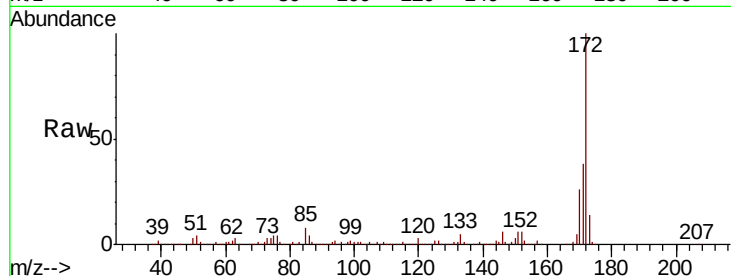




#45
2-Fluorobiphenyl
Concen: 70.689 ng
RT: 13.37 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BG037377.D
Acq: 17 Oct 2018 5:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.0	46.4
170	26.2	20.2	30.2

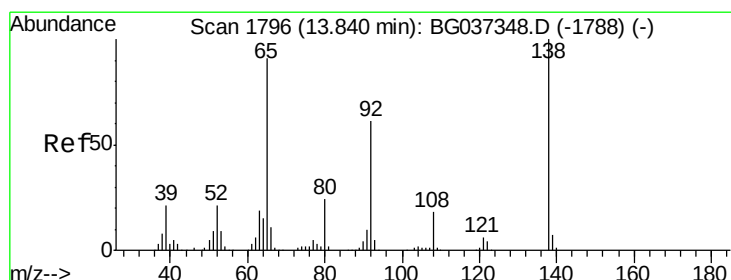
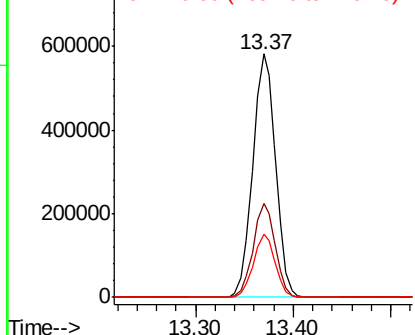
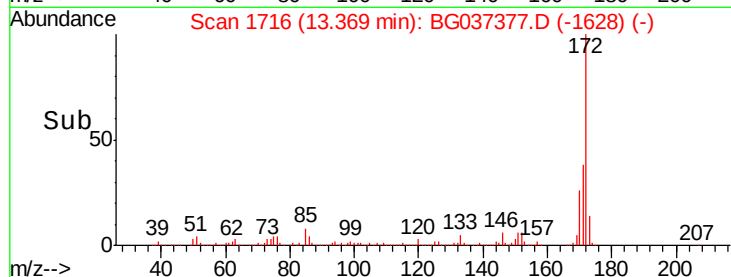


Abundance

Ion 172.00 (171.70 to 172.70): E

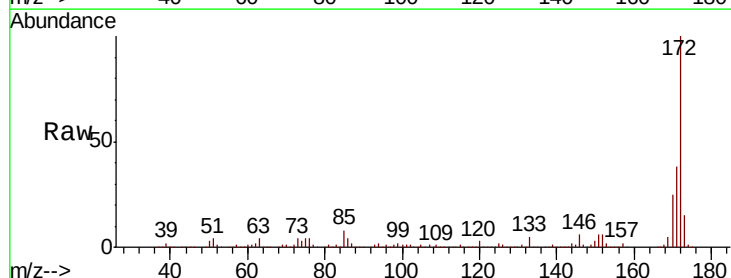
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48
2-Nitroaniline
Concen: 6.169 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.48 min
Lab File: BG037377.D
Acq: 17 Oct 2018 5:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	176.1	53.2	79.8#
138	21.4	79.3	118.9#

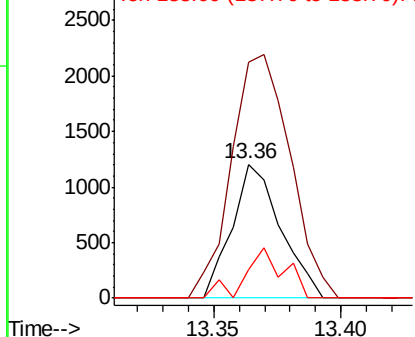
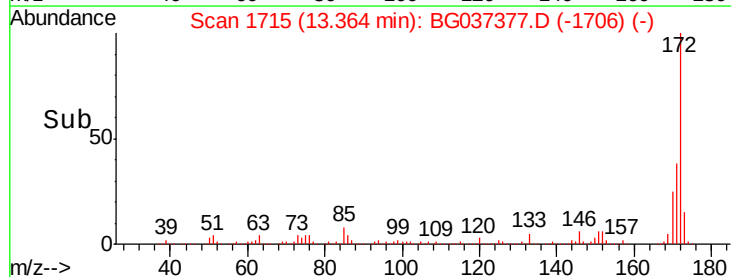


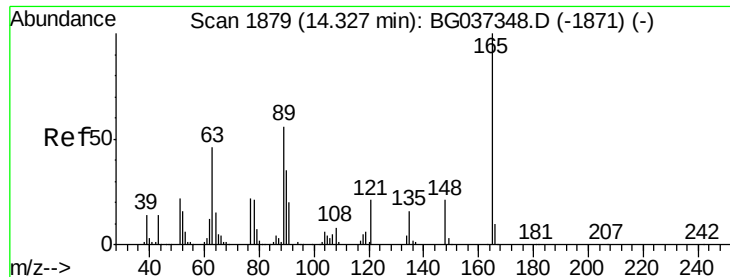
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

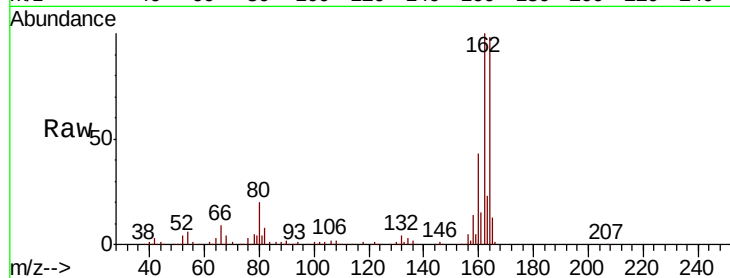




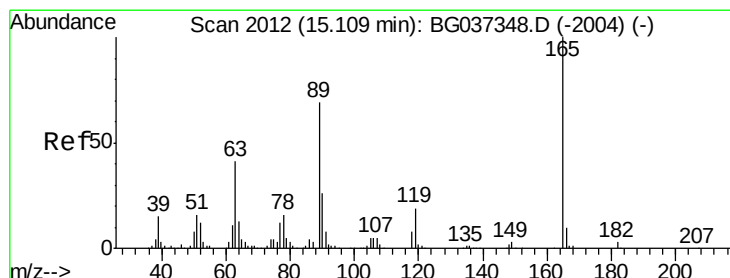
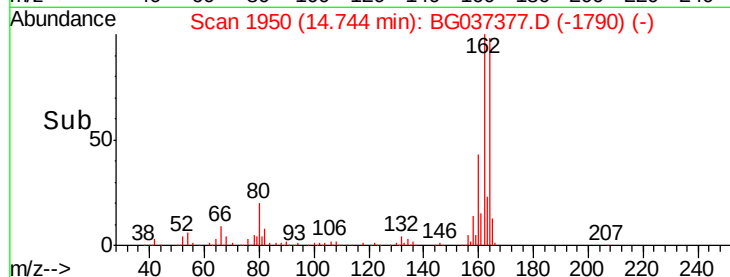
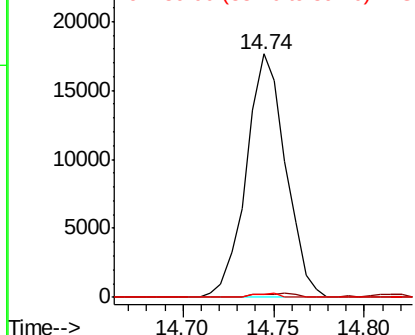
#51
 2,6-Dinitrotoluene
 Concen: 12.511 ng
 RT: 14.74 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037377.D
 Acq: 17 Oct 2018 5:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.4	65.2#
89	1.4	45.8	68.6#

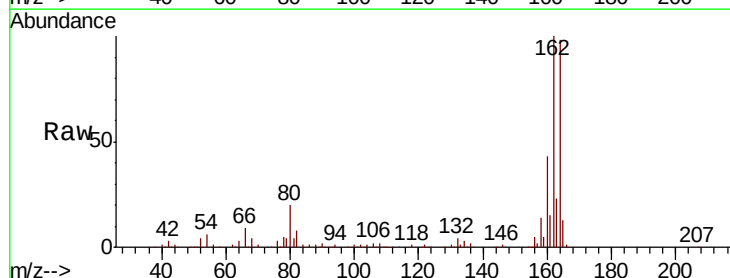


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

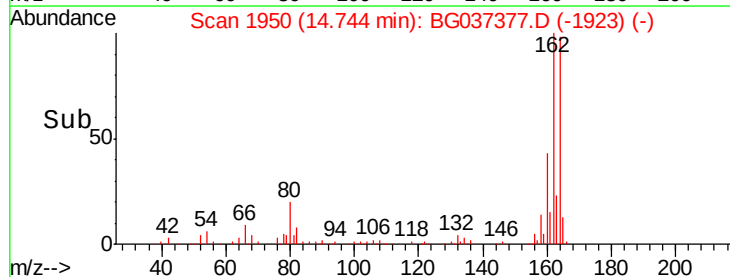
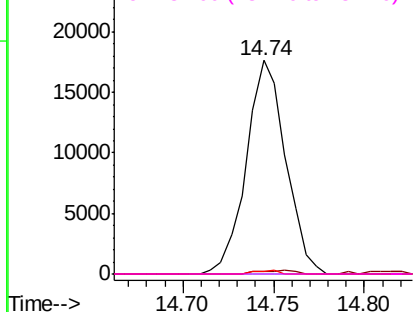


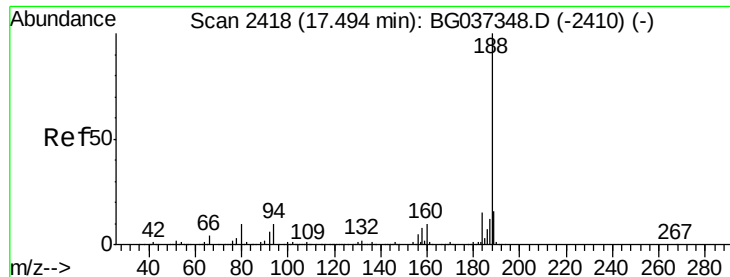
#57
 2,4-Dinitrotoluene
 Concen: 11.343 ng
 RT: 14.74 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037377.D
 Acq: 17 Oct 2018 5:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.4	50.0#
89	1.4	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: 17.49 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

Instrument :

BNA_G

ClientSampleId :

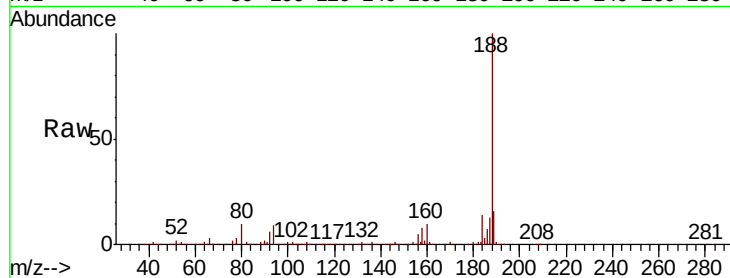
Tot Ion:188 Resp: 496668

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

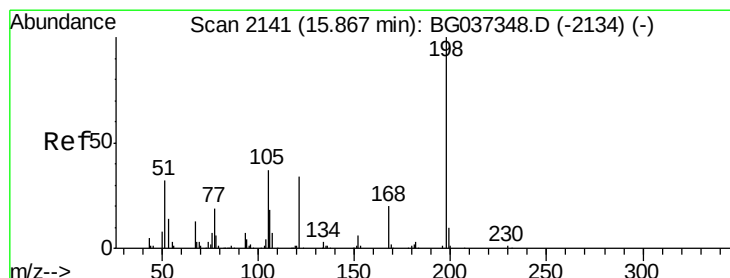
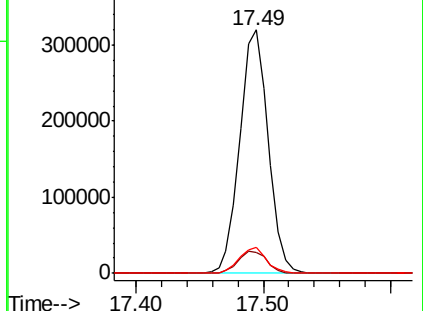
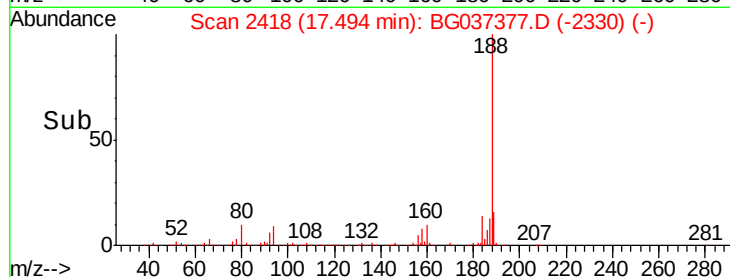
80 10.5 7.7 11.5



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: 6.242 ng

RT: 16.23 min Scan# 2203

Delta R.T. 0.36 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

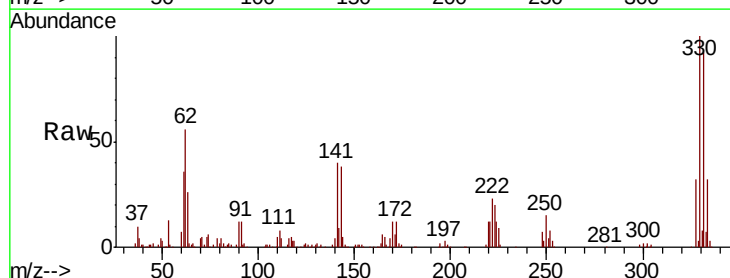
Tgt Ion:198 Resp: 526

Ion Ratio Lower Upper

198 100

51 27.5 22.7 62.7

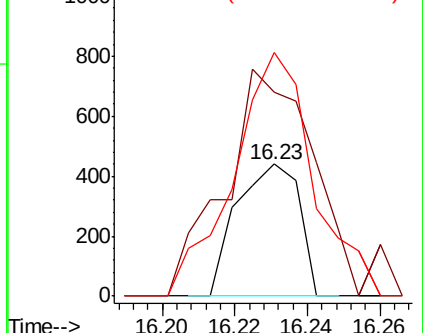
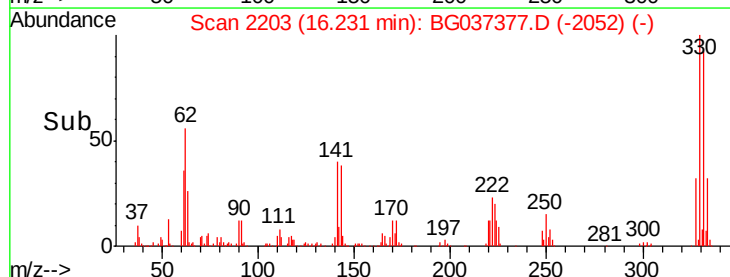
105 32.9 19.7 59.7

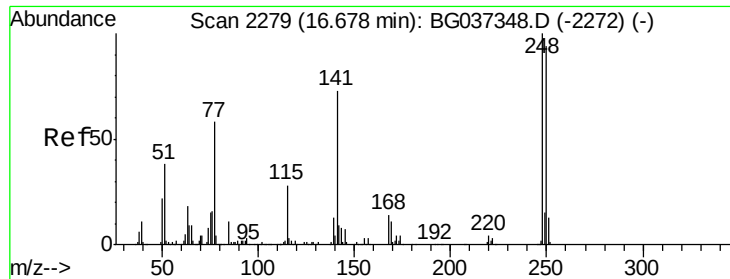


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

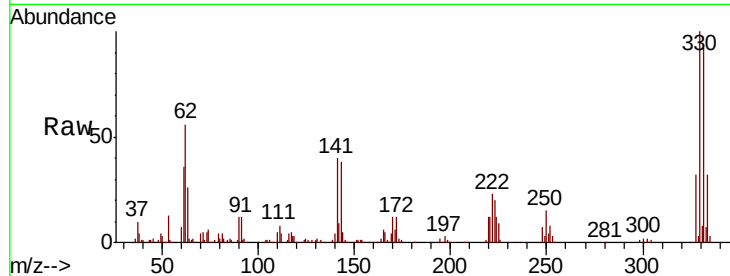




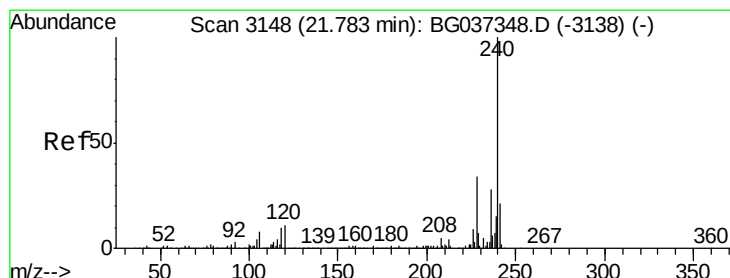
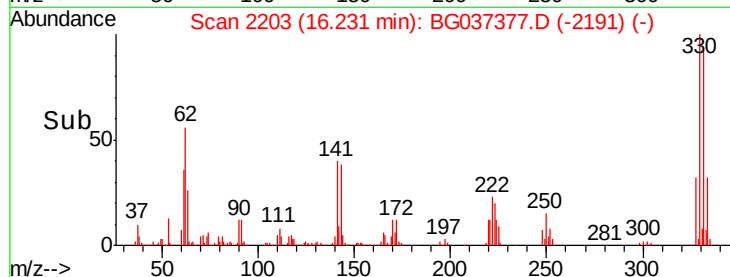
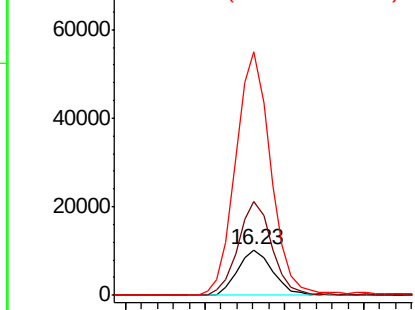
#67
 4-Bromophenyl-phenylether
 Concen: 2.919 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.46 min
 Lab File: BG037377.D
 Acq: 17 Oct 2018 5:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15646
 Ion Ratio Lower Upper
 248 100
 250 195.1 77.0 115.6#
 141 394.3 55.5 83.3#

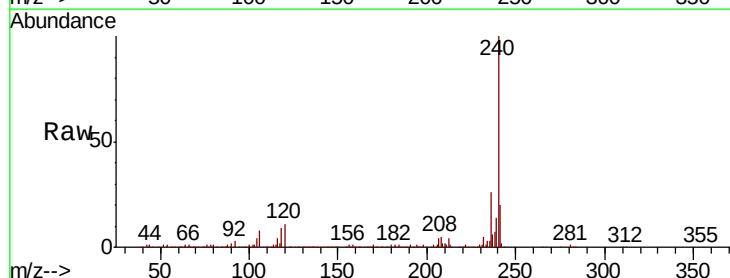


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

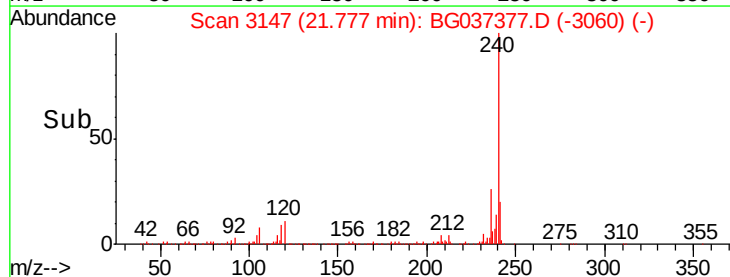
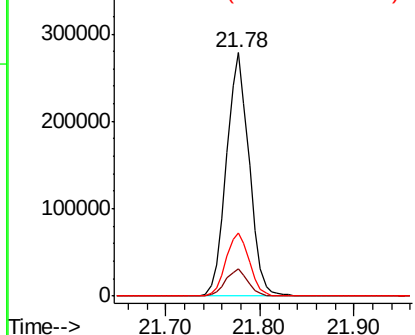


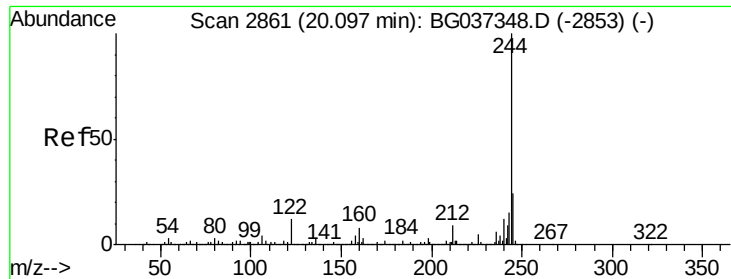
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3147
 Delta R.T. -0.02 min
 Lab File: BG037377.D
 Acq: 17 Oct 2018 5:40

Tgt Ion:240 Resp: 469113
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.1 12.1
 236 25.8 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





#79

Terphenyl-d14

Concen: 66.147 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

Instrument :

BNA_G

ClientSampled :

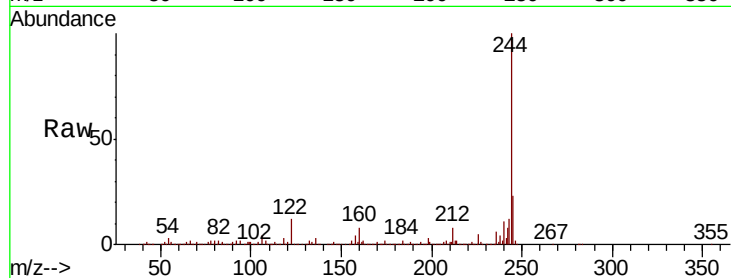
Tot Ion:244 Resp: 1477821

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

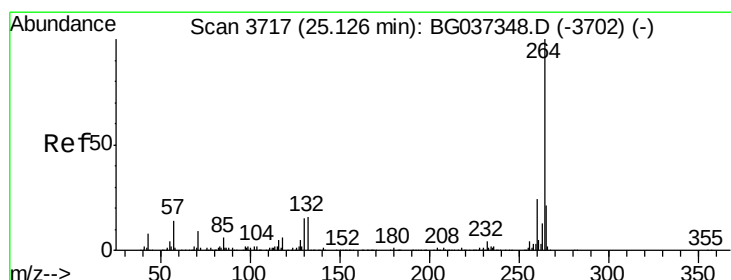
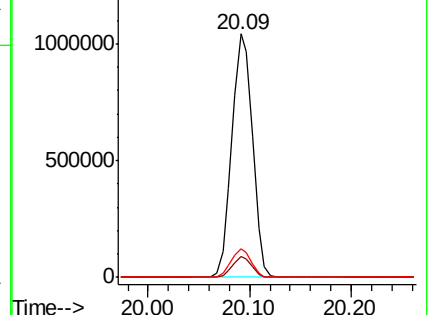
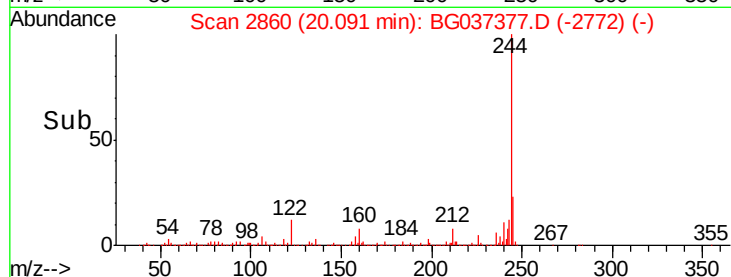
122 11.8 9.0 13.4



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: 25.12 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG037377.D

Acq: 17 Oct 2018 5:40

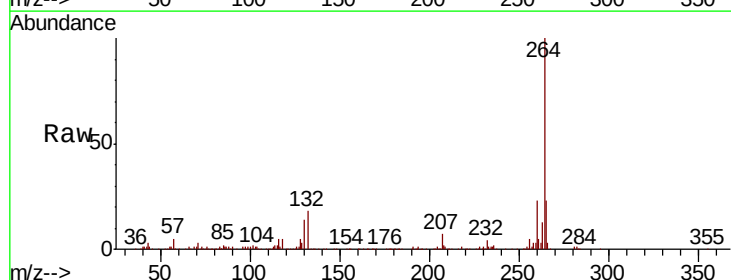
Tgt Ion:264 Resp: 466053

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 23.2 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

