

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110718\
 Data File : BG037877.D
 Acq On : 7 Nov 2018 23:15
 Operator : JU/SJ
 Sample : J5808-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 09:02:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

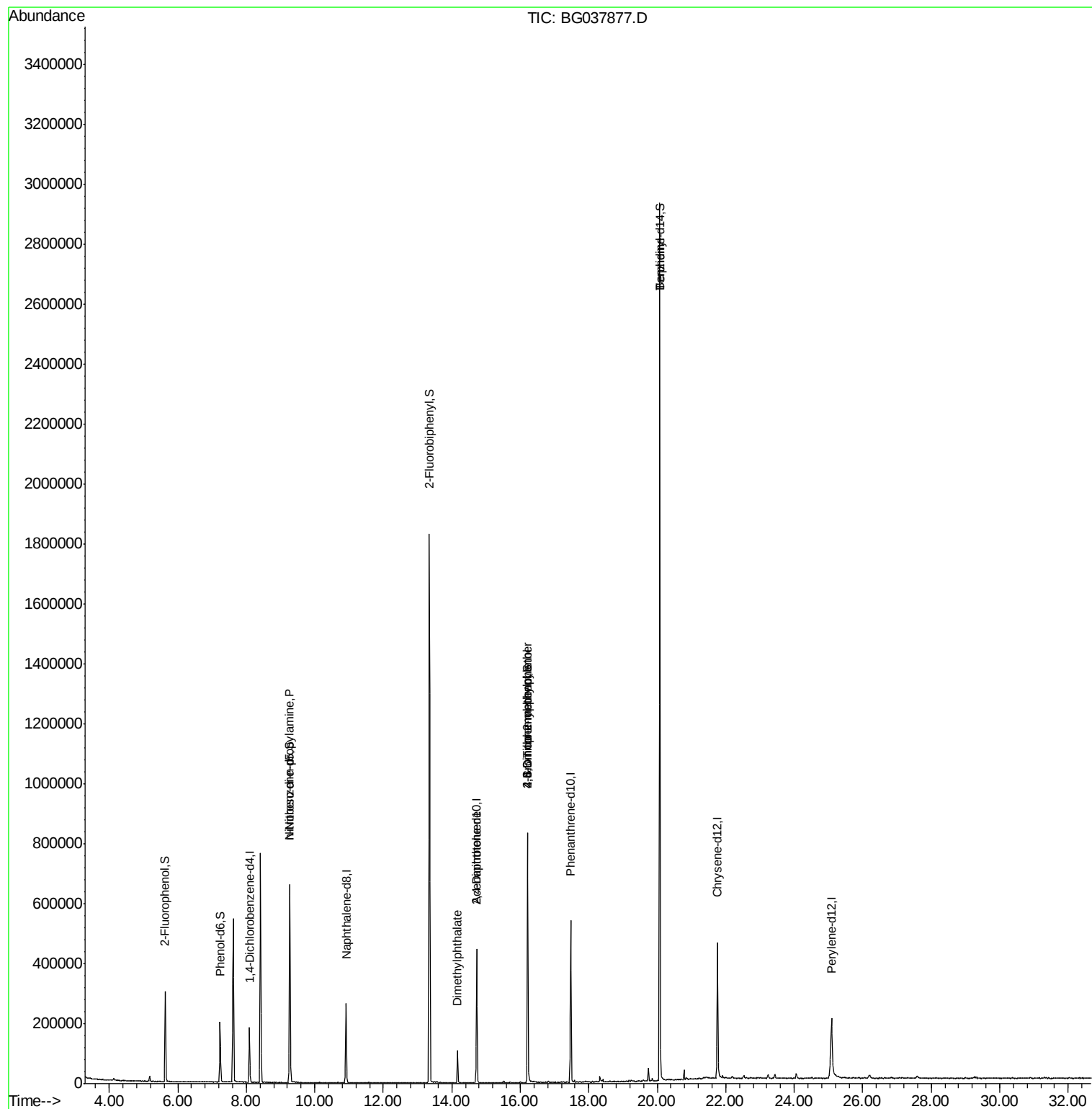
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	54192	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	242677	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	160952	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	355186	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	311739	20.00	ng	-0.01
87) Perylene-d12	25.09	264	300643	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	147900	45.63	ng	0.00
7) Phenol-d6	7.24	99	132923	27.12	ng	-0.01
23) Nitrobenzene-d5	9.27	82	431752	99.66	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	157683	89.82	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1024679	96.00	ng	-0.02
79) Terphenyl-d14	20.07	244	1413451	96.88	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	52829	15.65	ng	# 72
50) Dimethylphthalate	14.17	163	76243	6.12	ng	97
57) 2,4-Dinitrotoluene	14.73	165	20298	5.61	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	582	8.76	ng	# 78
67) 4-Bromophenyl-phenylether	16.21	248	11149	2.86	ng	# 1
77) Benzidine	20.07	184	23017	2.17	ng	# 94

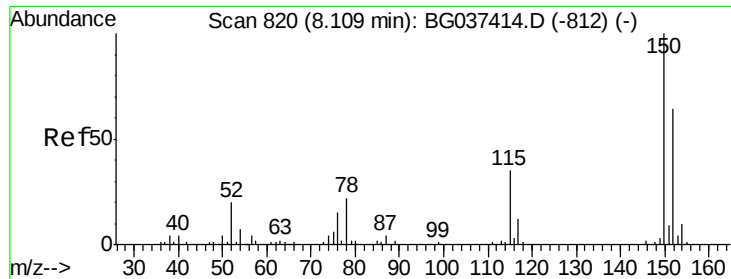
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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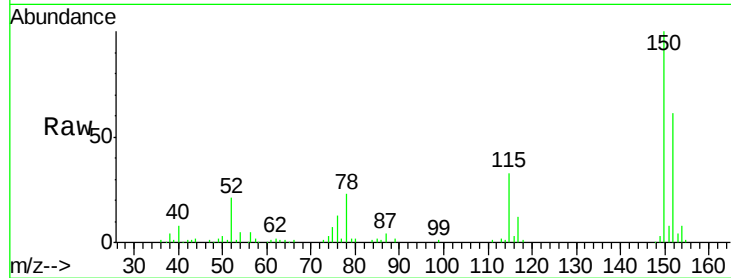


#1

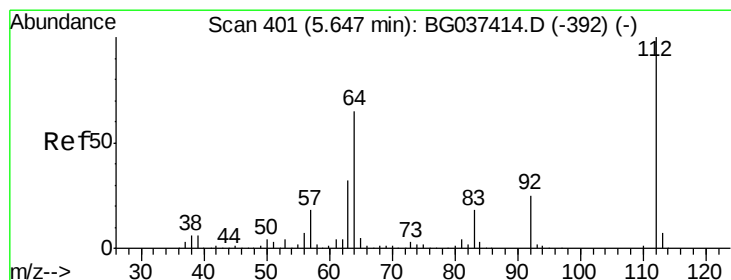
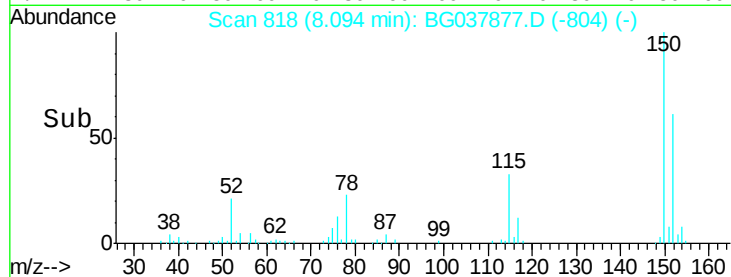
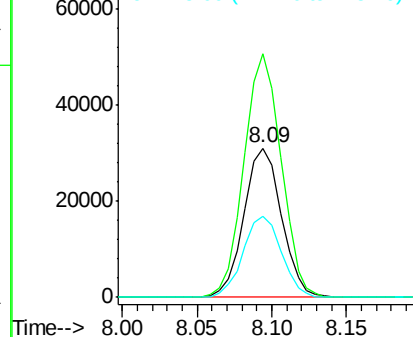
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037877.D
Acq: 7 Nov 2018 23:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54192
Ion Ratio Lower Upper
152 100
150 163.1 126.0 189.0
115 54.5 45.5 68.3



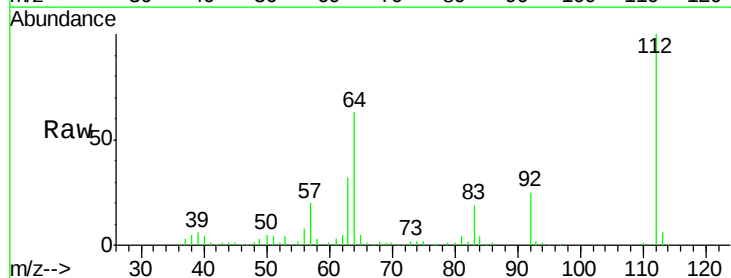
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



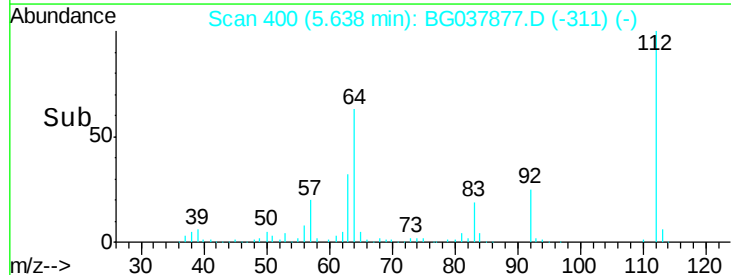
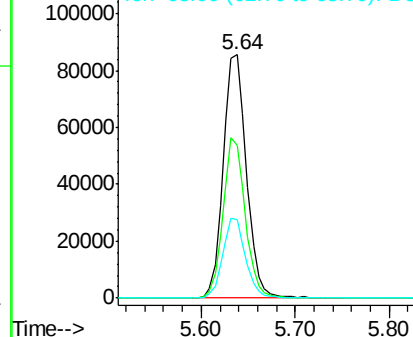
#5

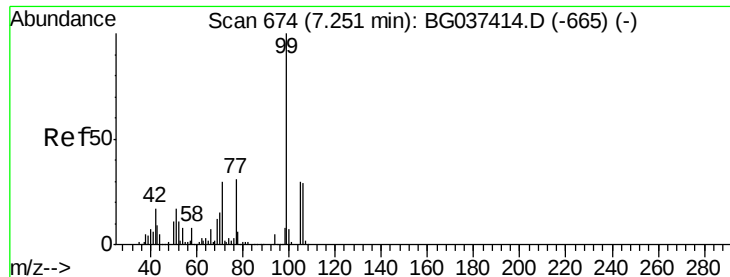
2-Fluorophenol
Concen: 45.63 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037877.D
Acq: 7 Nov 2018 23:15

Tgt Ion:112 Resp: 147900
Ion Ratio Lower Upper
112 100
64 62.5 53.1 79.7
63 32.2 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: 27.12 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037877.D

Acq: 7 Nov 2018 23:15

Instrument :

BNA_G

ClientSampleId :

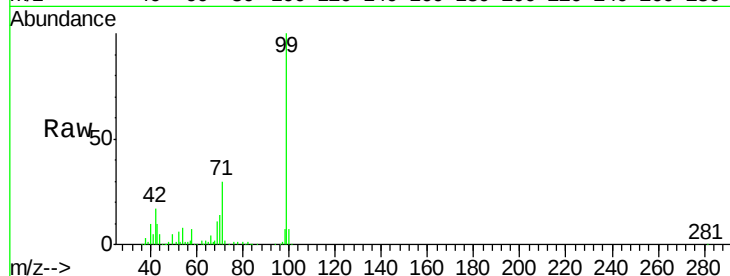
Tot Ion: 99 Resp: 132923

Ion Ratio Lower Upper

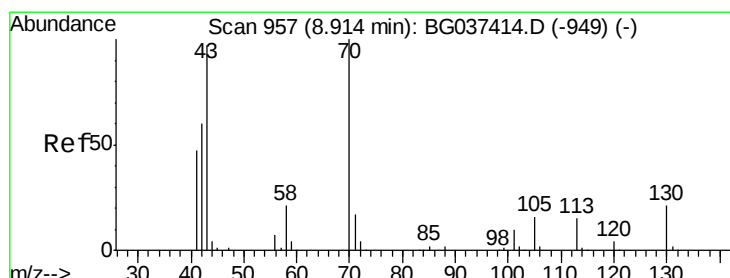
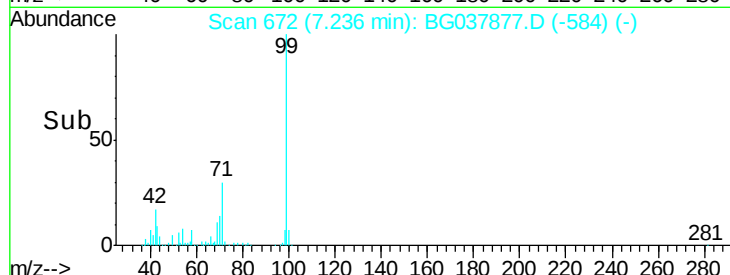
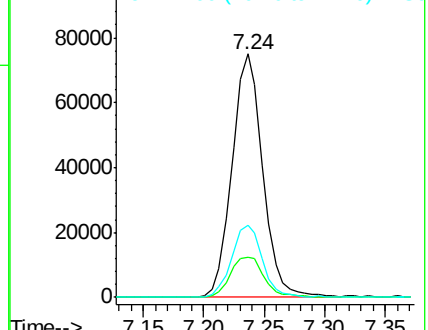
99 100

42 16.7 15.0 22.4

71 29.8 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: 15.65 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037877.D

Acq: 7 Nov 2018 23:15

Tgt Ion: 70 Resp: 52829

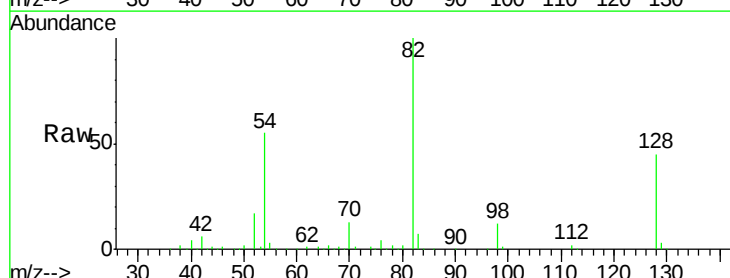
Ion Ratio Lower Upper

70 100

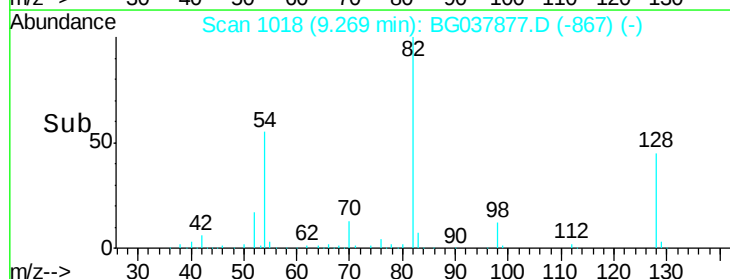
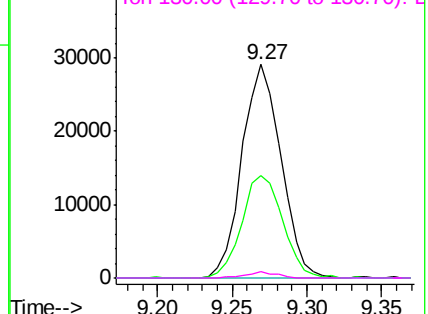
42 48.0 53.9 80.9#

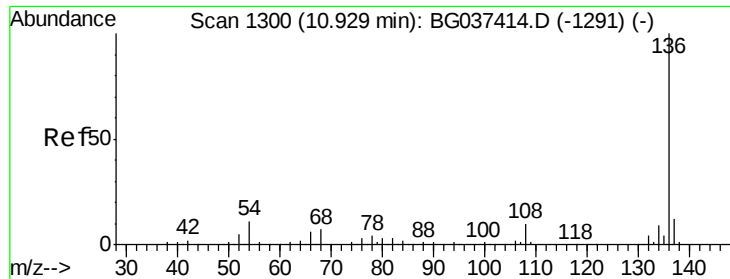
101 0.0 8.2 12.2#

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

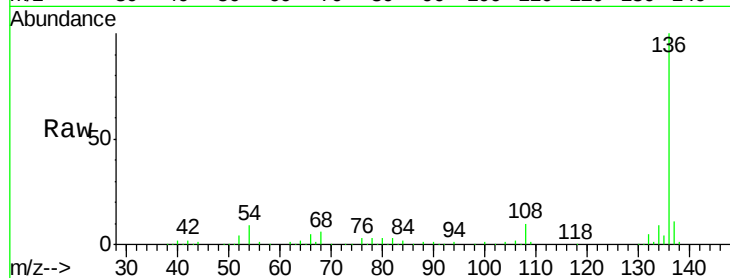




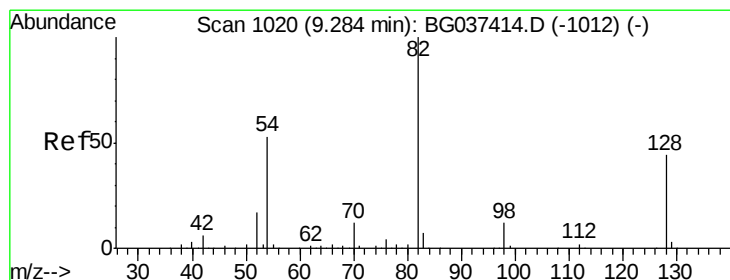
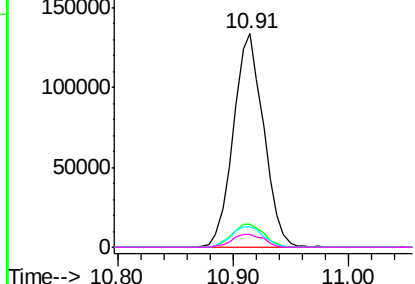
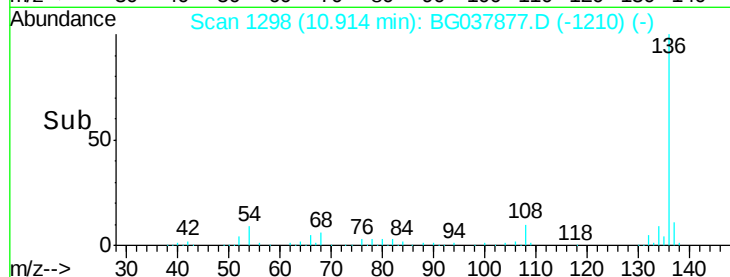
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037877.D
Acq: 7 Nov 2018 23:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	242677
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.6	14.4
54	9.4	7.9	11.9
68	6.3	4.8	7.2

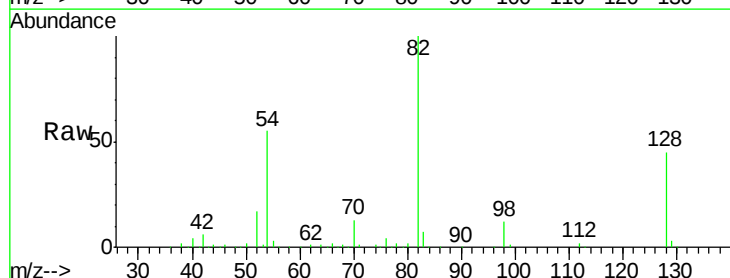


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

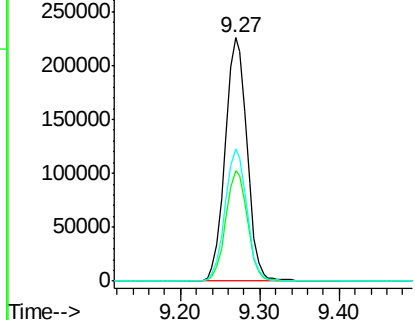
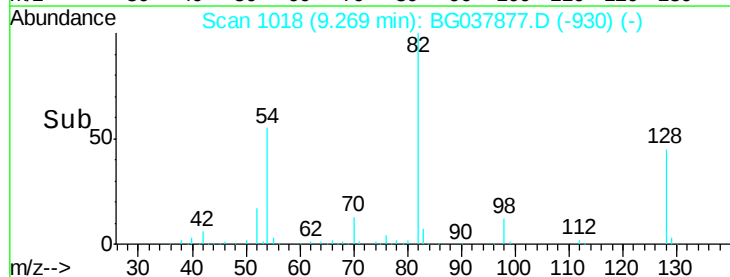


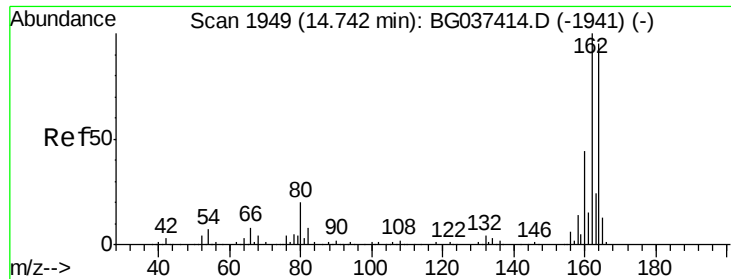
#23
Nitrobenzene-d5
Concen: 99.66 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037877.D
Acq: 7 Nov 2018 23:15

Tgt Ion:	82	Resp:	431752
Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.6	51.8
54	54.6	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: 20.00 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037877.D

Acq: 7 Nov 2018 23:15

Instrument :

BNA_G

ClientSampleId :

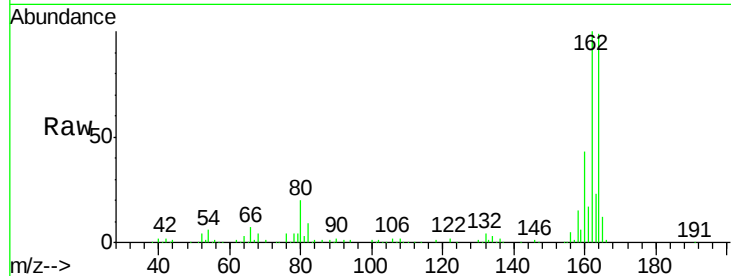
Tot Ion:164 Resp: 160952

Ion Ratio Lower Upper

164 100

162 101.2 81.3 121.9

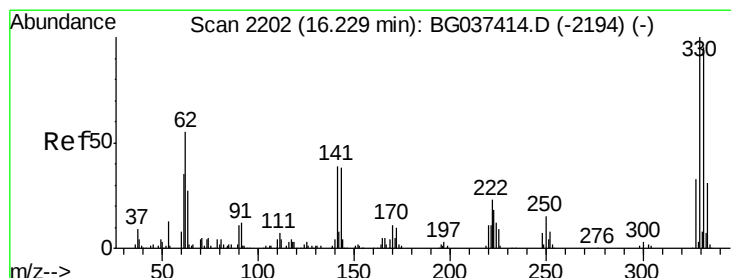
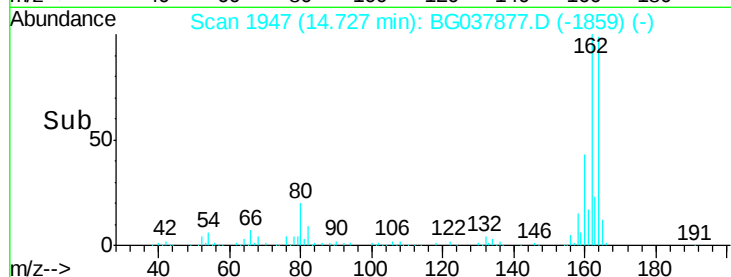
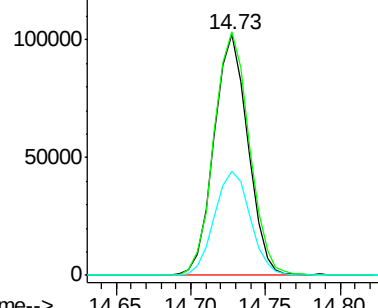
160 43.2 36.3 54.5



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: 89.82 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037877.D

Acq: 7 Nov 2018 23:15

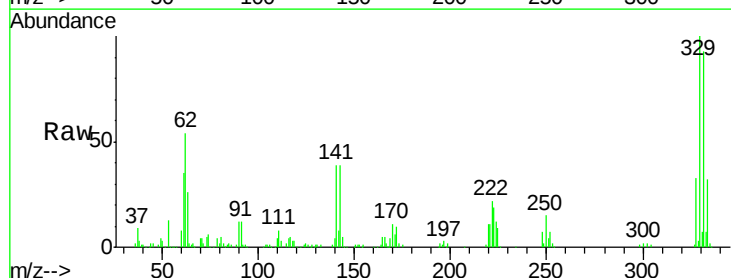
Tgt Ion:330 Resp: 157683

Ion Ratio Lower Upper

330 100

332 94.0 78.4 117.6

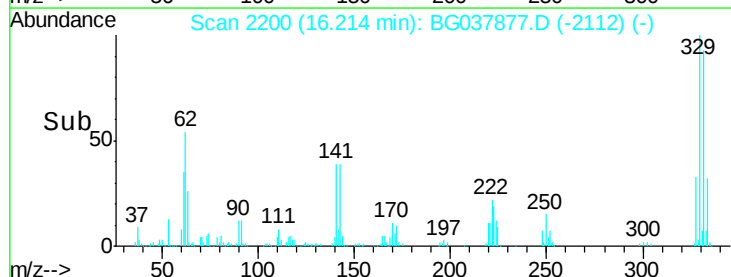
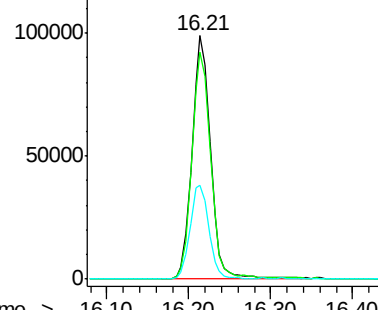
141 39.3 32.2 48.2

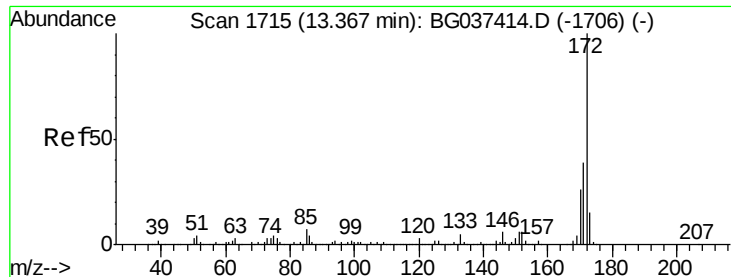


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

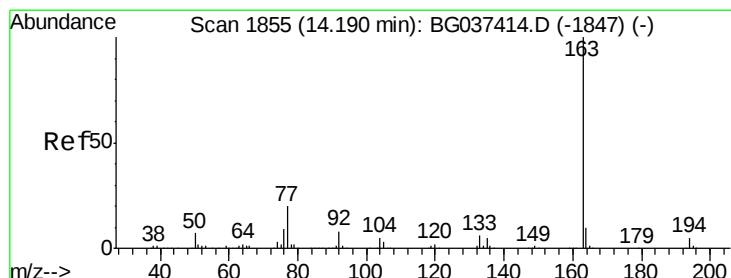
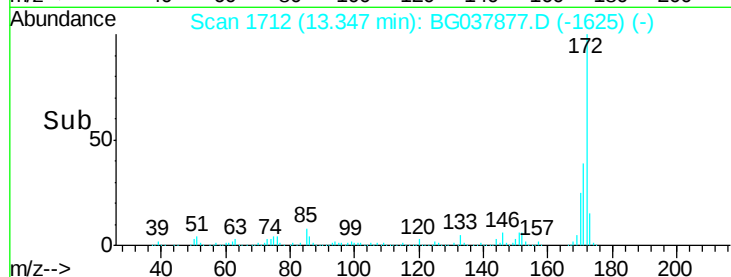
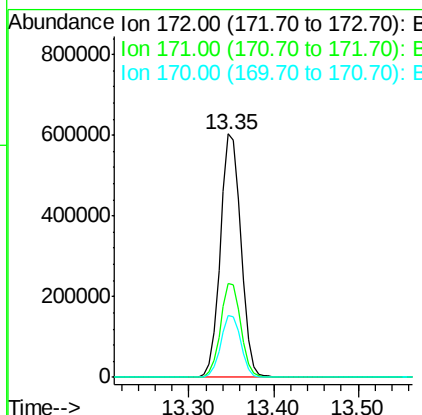
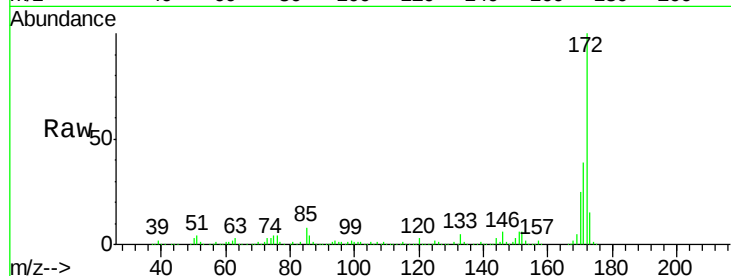




#45
2-Fluorobiphenyl
Concen: 96.00 ng
RT: 13.35 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BG037877.D
Acq: 7 Nov 2018 23:15

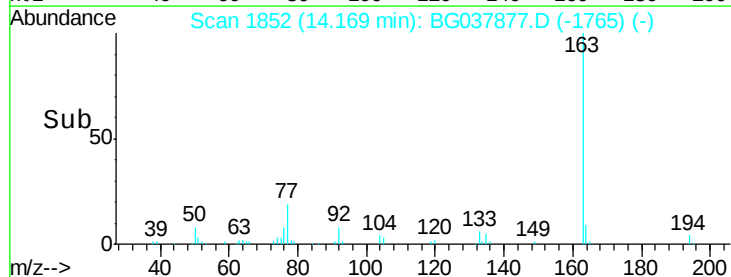
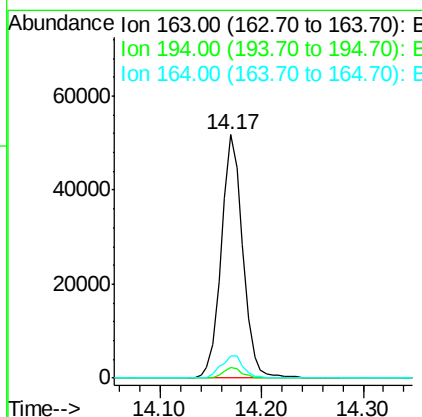
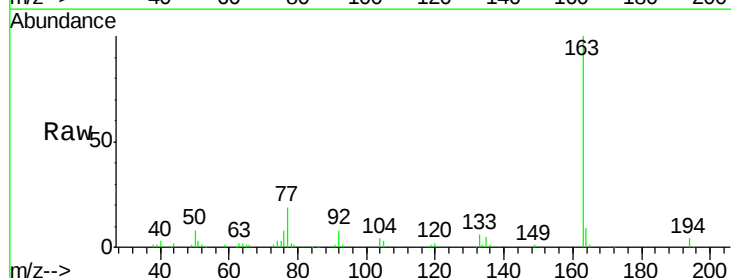
Instrument :
BNA_G
ClientSampleId :

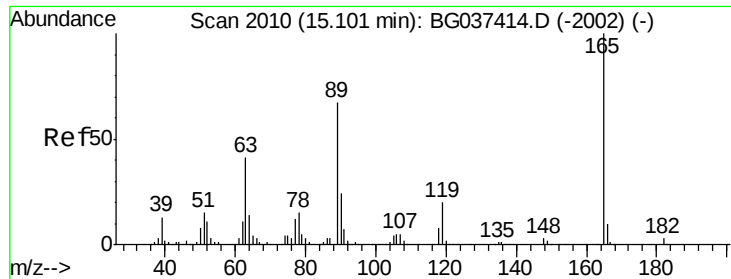
Tot Ion:172 Resp: 1024679
Ion Ratio Lower Upper
172 100
171 38.6 31.0 46.4
170 25.2 20.2 30.2



#50
Dimethylphthalate
Concen: 6.12 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BG037877.D
Acq: 7 Nov 2018 23:15

Tgt Ion:163 Resp: 76243
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 9.2 8.5 12.7

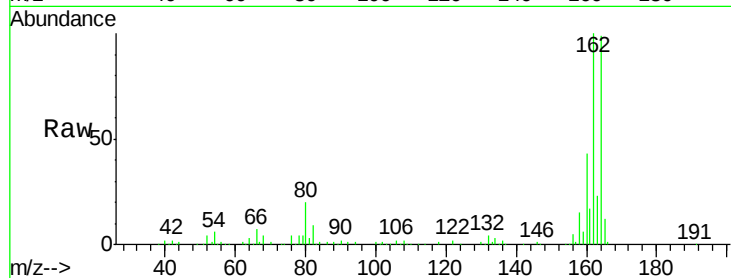




#57
 2,4-Dinitrotoluene
 Concen: 5.61 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037877.D
 Acq: 7 Nov 2018 23:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.4	50.0#
89	1.5	57.2	85.8#
182	0.0	2.6	4.0#

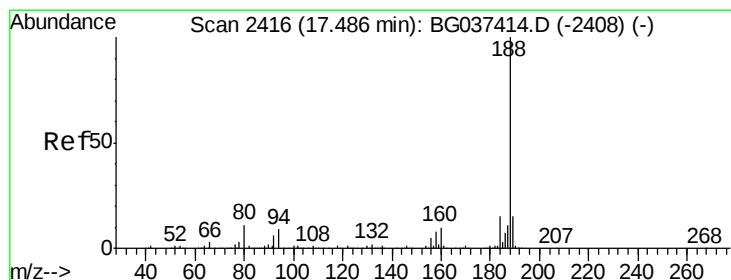
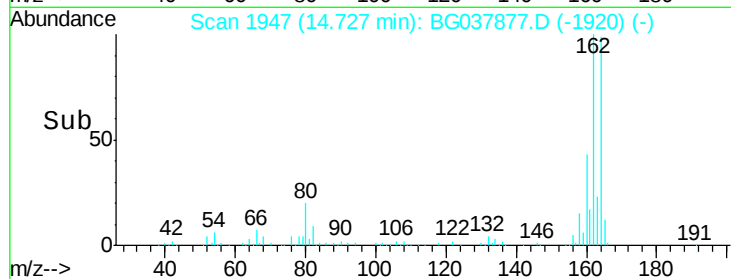
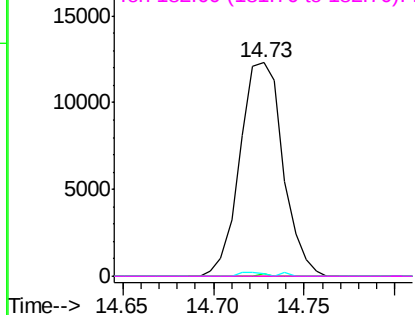


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

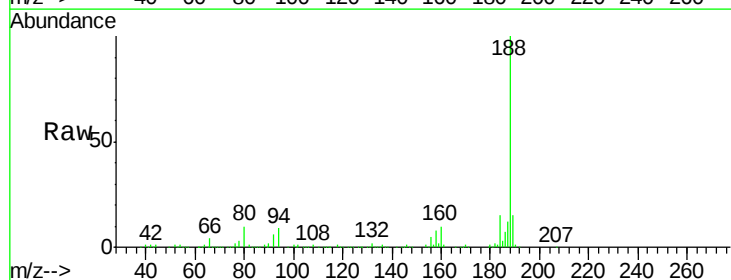
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037877.D
 Acq: 7 Nov 2018 23:15

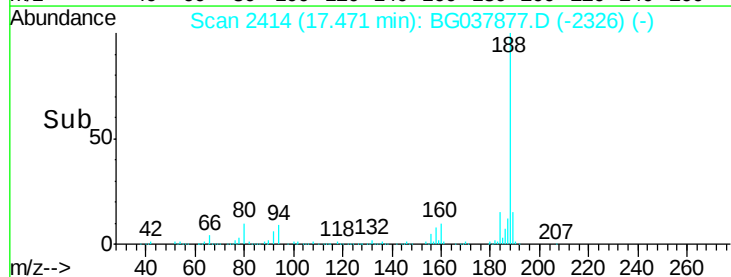
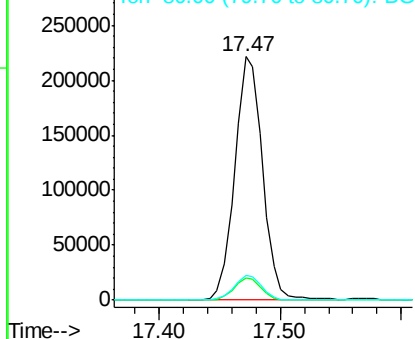
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.1	7.7	11.5

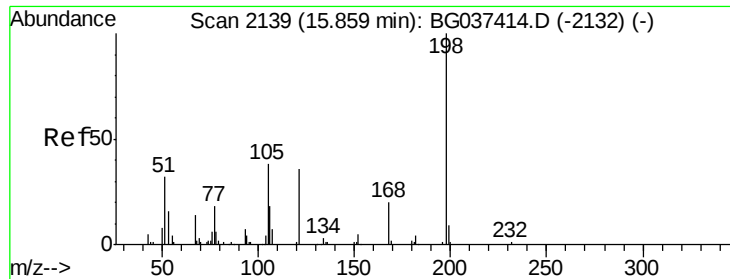


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

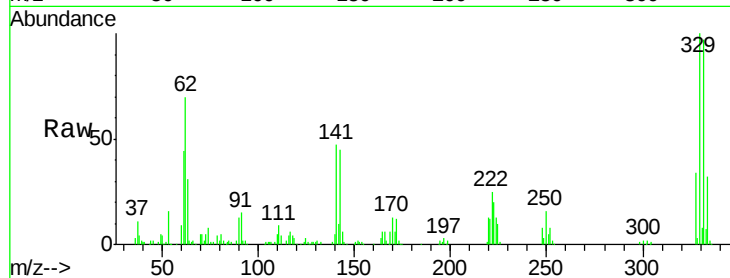




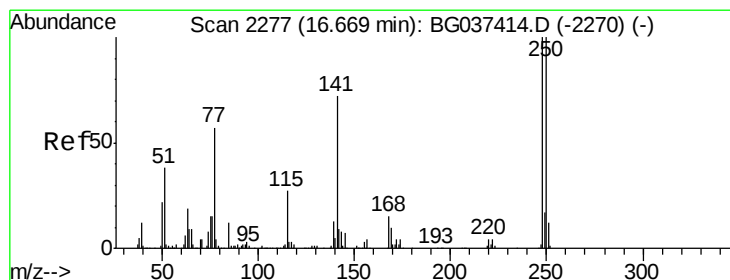
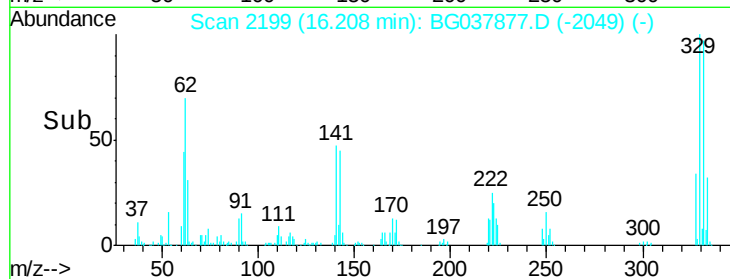
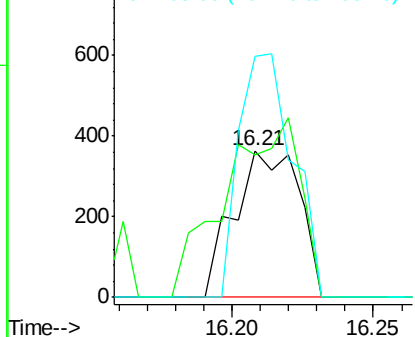
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.76 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. 0.35 min
 Lab File: BG037877.D
 Acq: 7 Nov 2018 23:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 582
 Ion Ratio Lower Upper
 198 100
 51 20.4 22.7 62.7#
 105 34.4 19.7 59.7

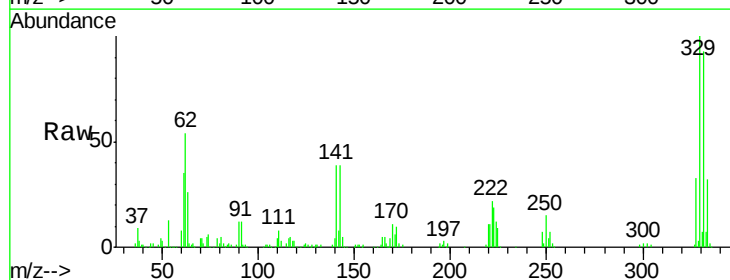


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

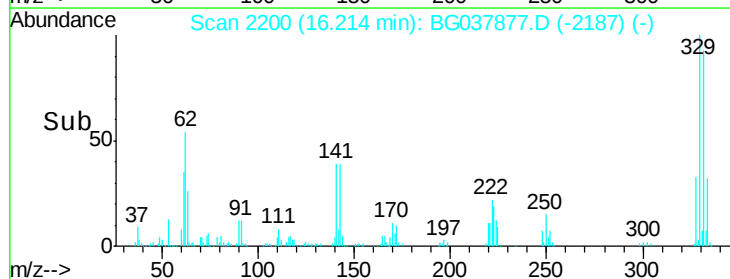
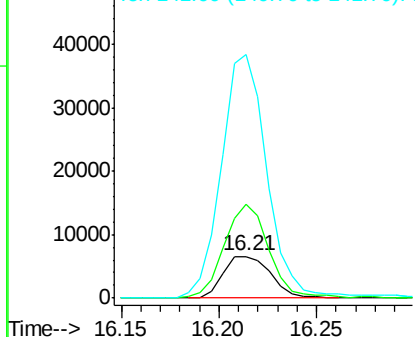


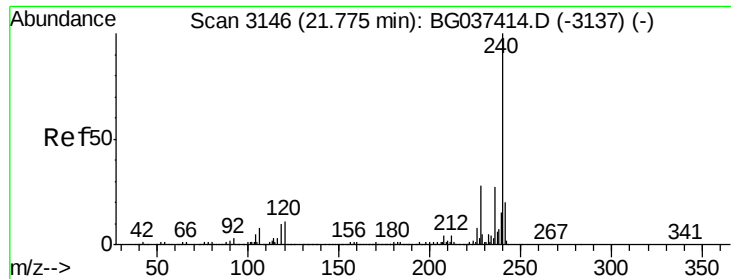
#67
 4-Bromophenyl-phenylether
 Concen: 2.86 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.46 min
 Lab File: BG037877.D
 Acq: 7 Nov 2018 23:15

Tgt Ion:248 Resp: 11149
 Ion Ratio Lower Upper
 248 100
 250 214.5 77.0 115.6#
 141 435.1 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

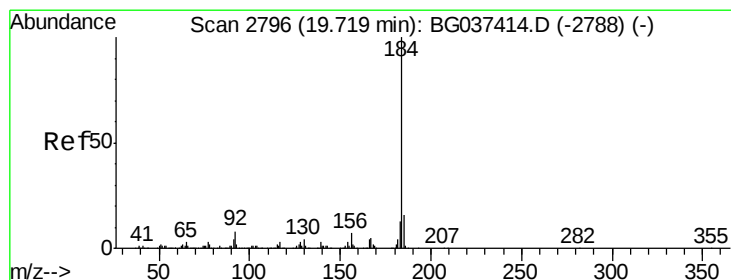
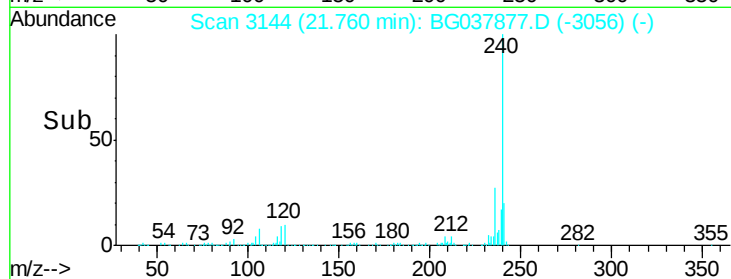
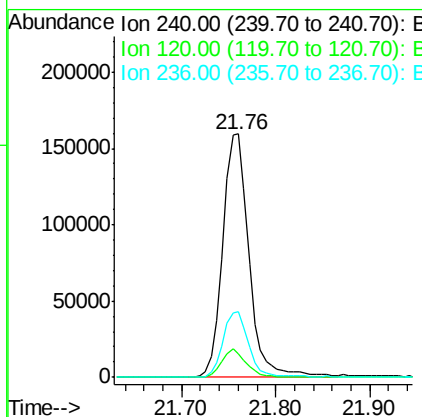
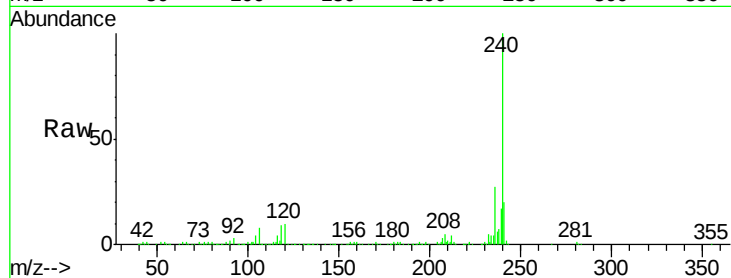




#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037877.D
 Acq: 7 Nov 2018 23:15

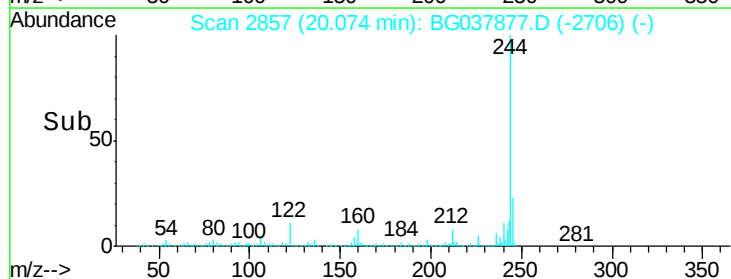
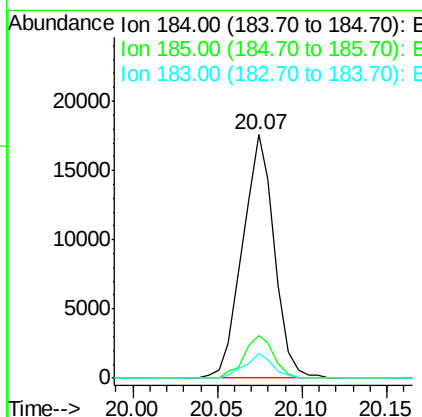
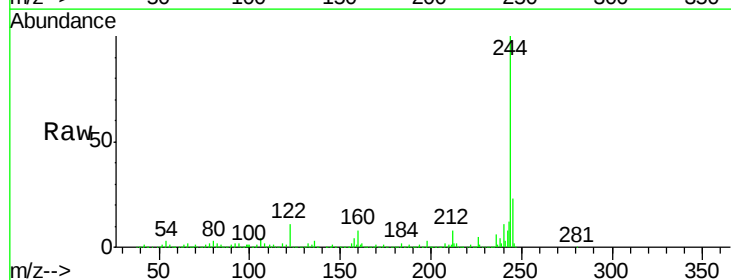
Instrument :
 BNA_G
 ClientSampleId :

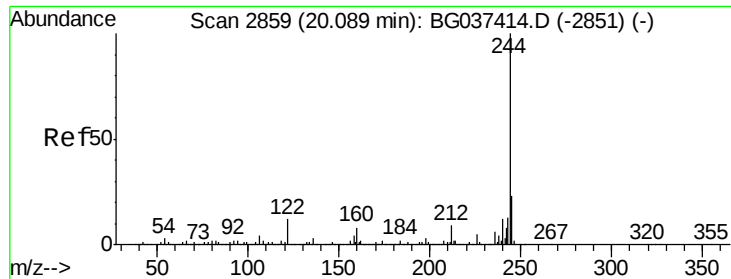
Tot Ion:240 Resp: 311739
 Ion Ratio Lower Upper
 240 100
 120 9.7 8.1 12.1
 236 26.9 21.4 32.0



#77
 Benzidine
 Concen: 2.17 ng
 RT: 20.07 min Scan# 2857
 Delta R.T. 0.36 min
 Lab File: BG037877.D
 Acq: 7 Nov 2018 23:15

Tgt Ion:184 Resp: 23017
 Ion Ratio Lower Upper
 184 100
 185 17.8 12.6 18.8
 183 10.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 96.88 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037877.D

Acq: 7 Nov 2018 23:15

Instrument :

BNA_G

ClientSampleId :

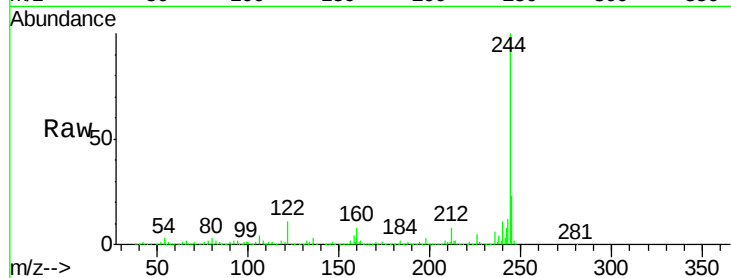
Tot Ion:244 Resp: 1413451

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

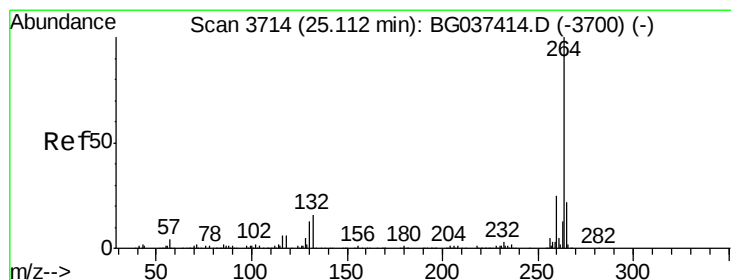
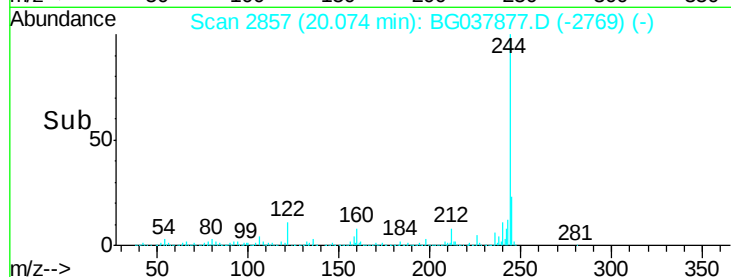
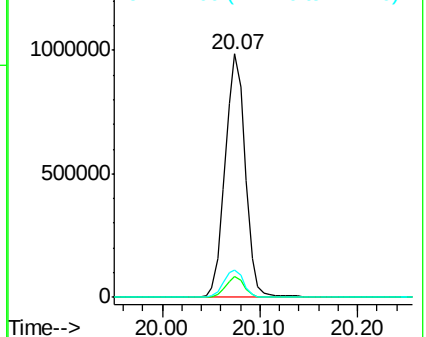
122 11.4 9.0 13.4



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

Perylene-d12

Concen: 20.00 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.03 min

Lab File: BG037877.D

Acq: 7 Nov 2018 23:15

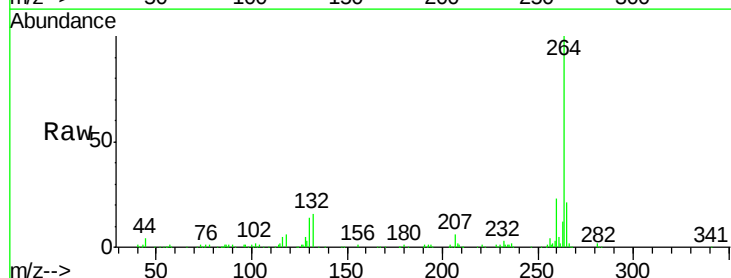
Tgt Ion:264 Resp: 300643

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 21.4 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

