

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037677.D
 Acq On : 31 Oct 2018 7:01
 Operator : JU/SJ
 Sample : J5722-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 09:25:46 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

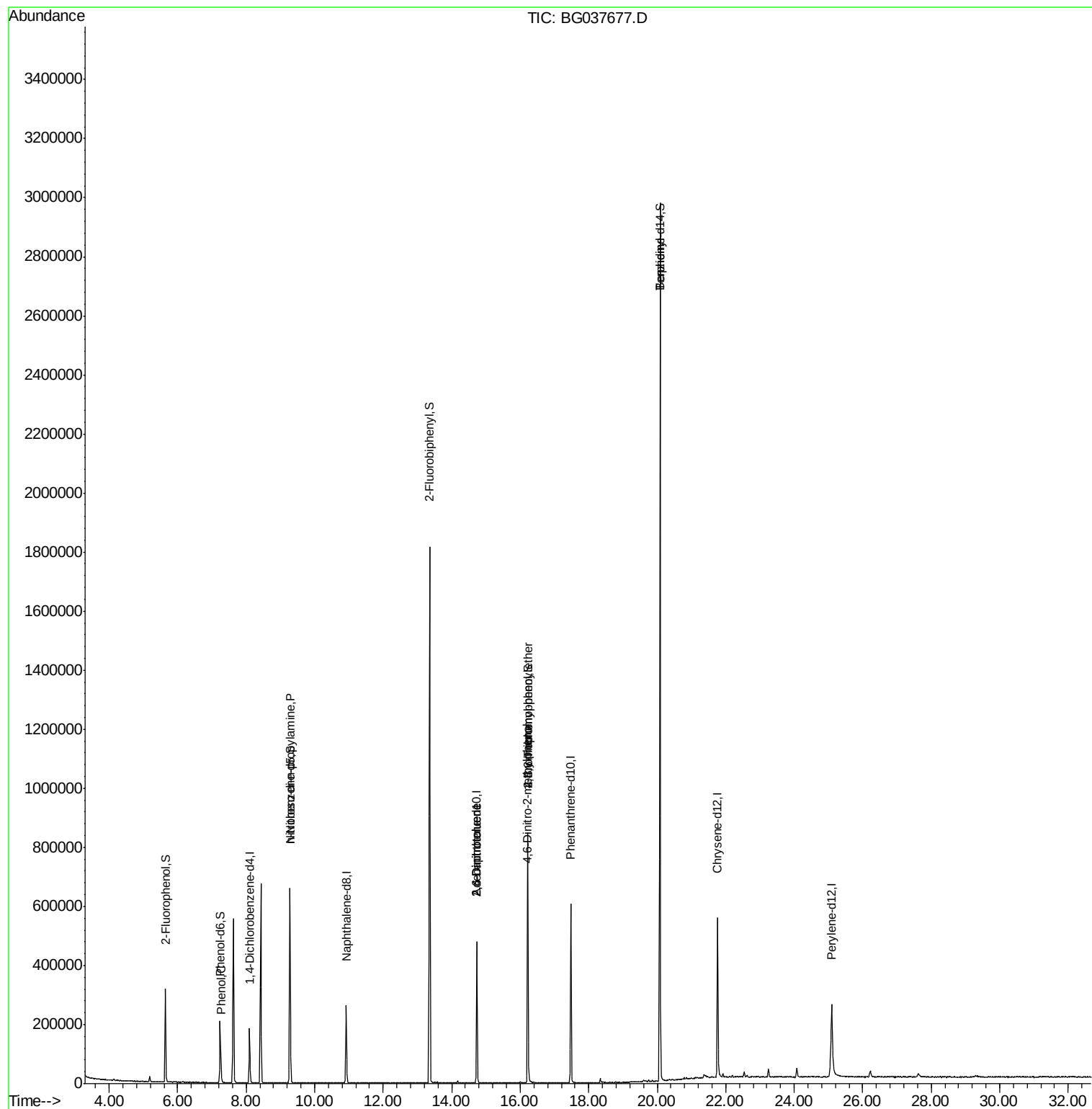
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	55261	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	244313	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	168131	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	385641	20.00	ng	0.00
76) Chrysene-d12	21.76	240	351484	20.00	ng	-0.01
87) Perylene-d12	25.09	264	326815	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	146877	44.44	ng	0.00
7) Phenol-d6	7.24	99	136504	27.31	ng	-0.01
23) Nitrobenzene-d5	9.28	82	415748	95.33	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	162647	88.69	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	971560	87.14	ng	-0.01
79) Terphenyl-d14	20.08	244	1446038	87.91	ng	0.00
Target Compounds						
10) Phenol	7.27	94	25786	4.890	ng	91
19) n-Nitroso-di-n-propylamine	9.28	70	53795	15.630	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	21970	7.635	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	21970	5.817	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.20	198	469	8.698	ng	94
67) 4-Bromophenyl-phenylether	16.22	248	11778	2.781	ng	# 1
77) Benzidine	20.08	184	23955	2.004	ng	# 92

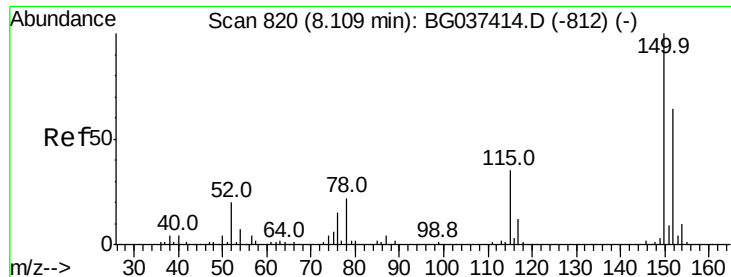
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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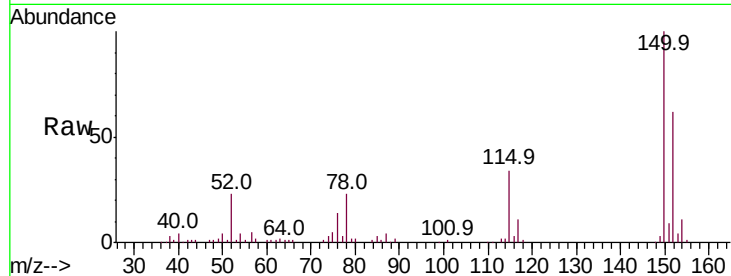


#1

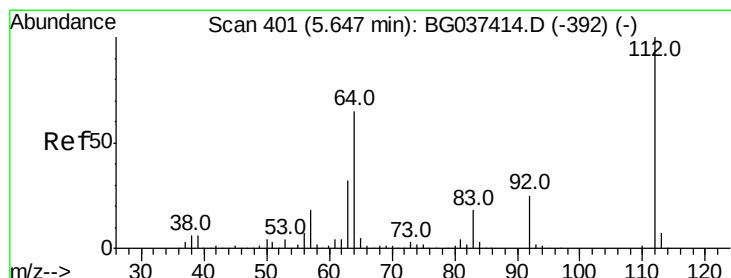
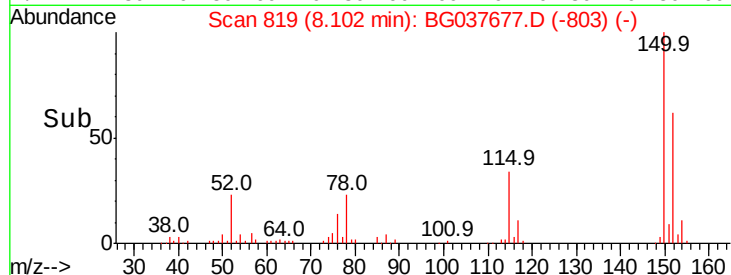
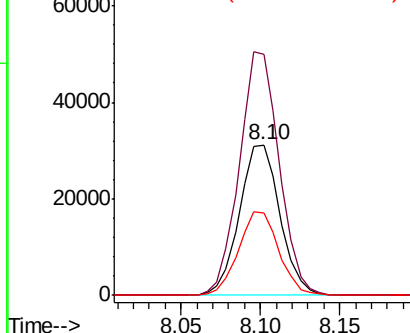
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037677.D
Acq: 31 Oct 2018 7:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	126.0	189.0
115	54.9	45.5	68.3



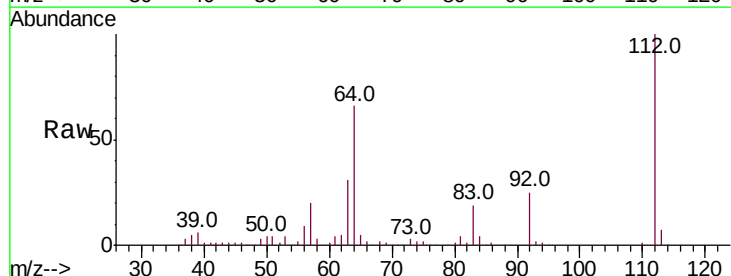
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



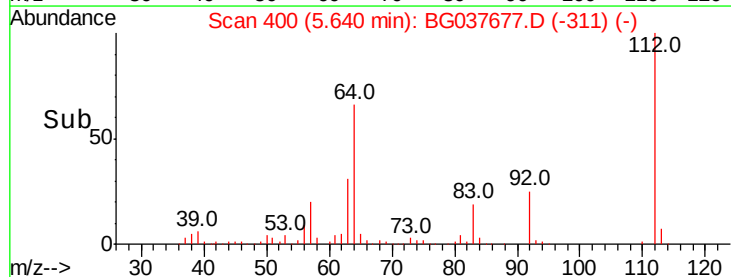
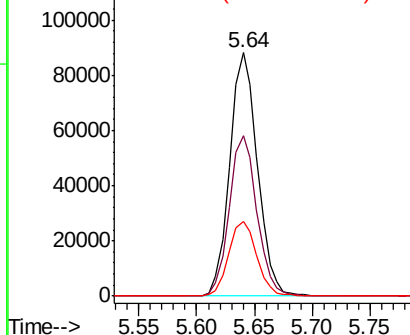
#5

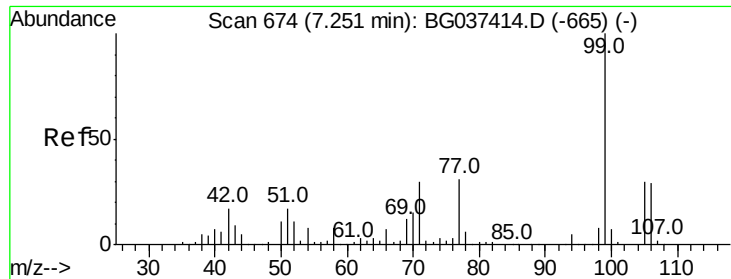
2-Fluorophenol
Concen: 44.436 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037677.D
Acq: 31 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.1	79.7
63	30.9	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: 27.311 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

Instrument :

BNA_G

ClientSampleId :

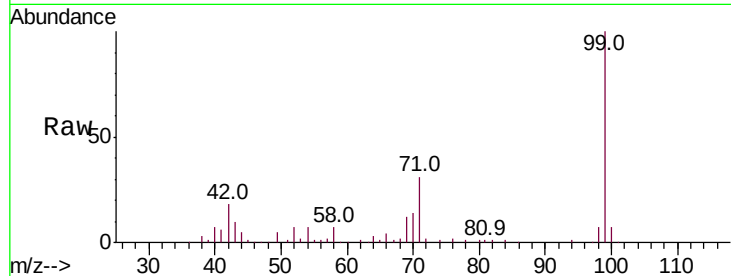
Tot Ion: 99 Resp: 136504

Ion Ratio Lower Upper

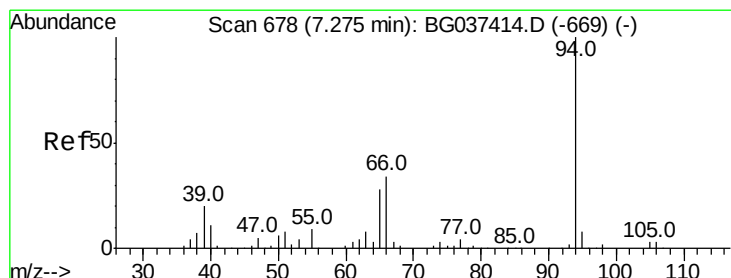
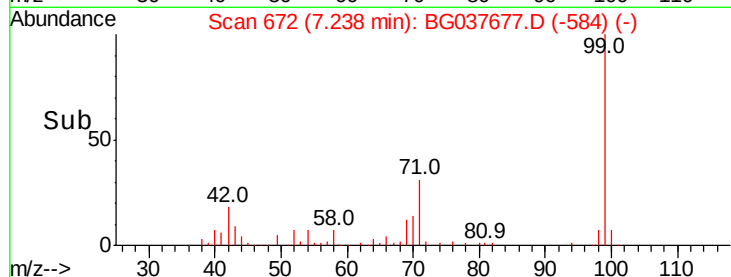
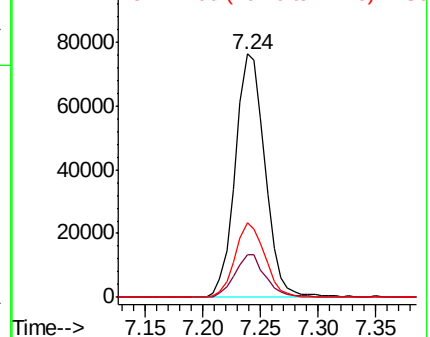
99 100

42 17.7 15.0 22.4

71 30.8 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



#10

Phenol

Concen: 4.890 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

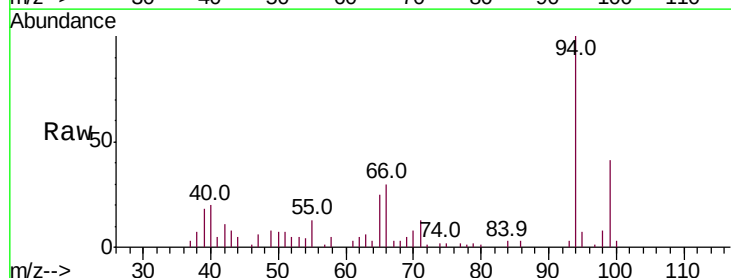
Tgt Ion: 94 Resp: 25786

Ion Ratio Lower Upper

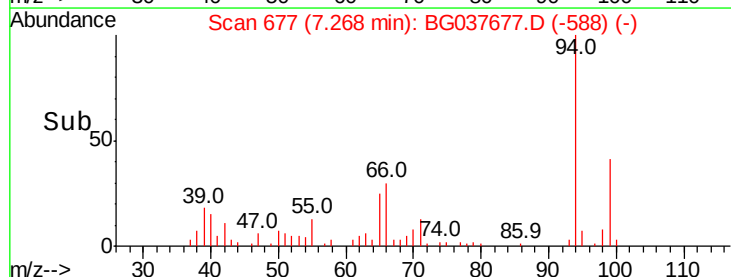
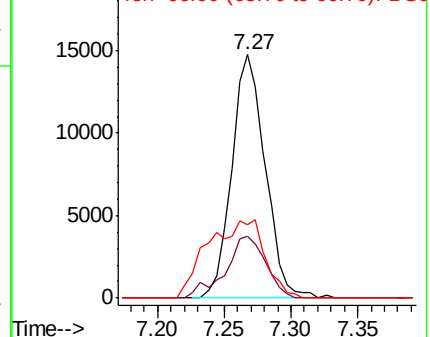
94 100

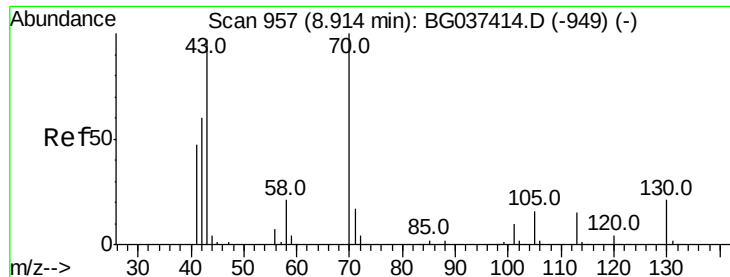
65 25.2 9.7 49.7

66 30.3 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

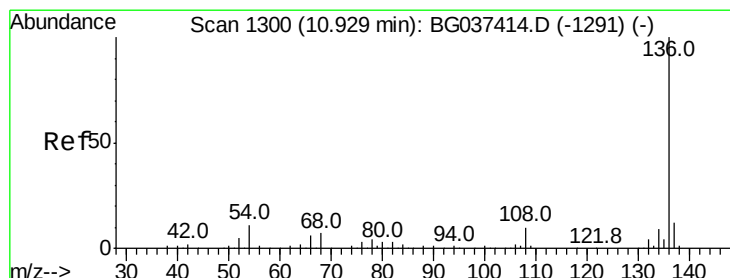
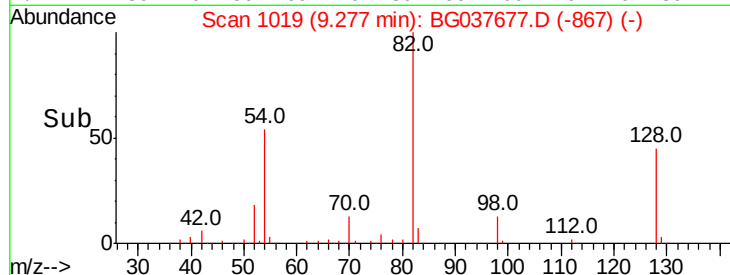
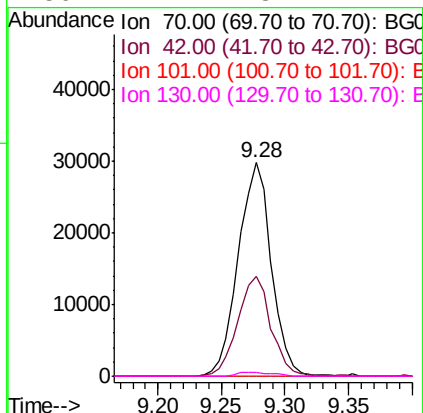
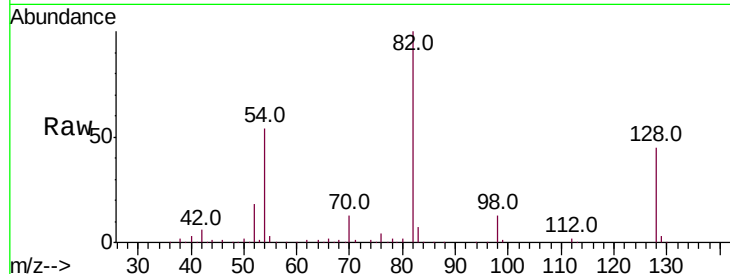




#19
n-Nitroso-di-n-propylamine
Concen: 15.630 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG037677.D
Acq: 31 Oct 2018 7:01

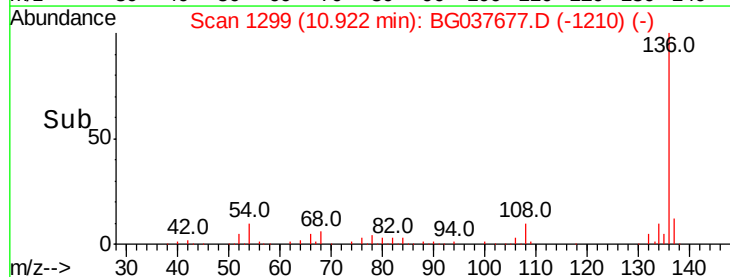
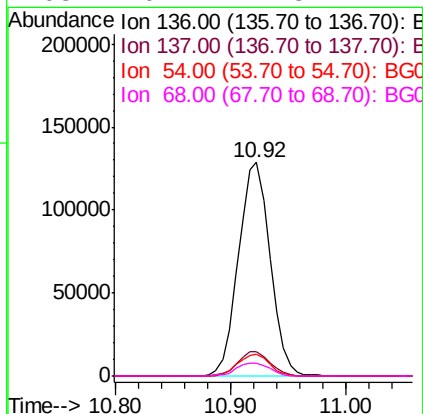
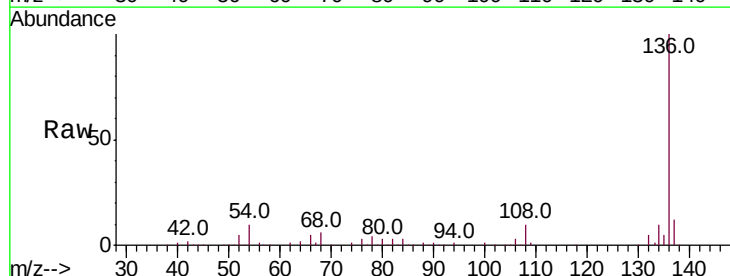
Instrument :
BNA_G
ClientSampled :

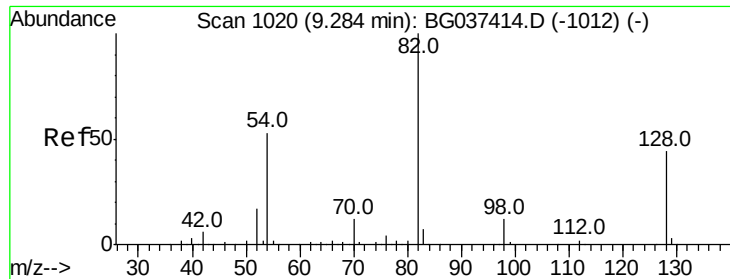
Tot Ion: 70 Resp: 53795
Ion Ratio Lower Upper
70 100
42 46.8 53.9 80.9#
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037677.D
Acq: 31 Oct 2018 7:01

Tgt Ion: 136 Resp: 244313
Ion Ratio Lower Upper
136 100
137 11.7 9.6 14.4
54 10.0 7.9 11.9
68 6.2 4.8 7.2

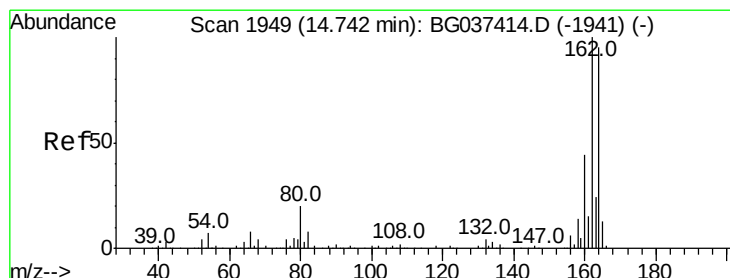
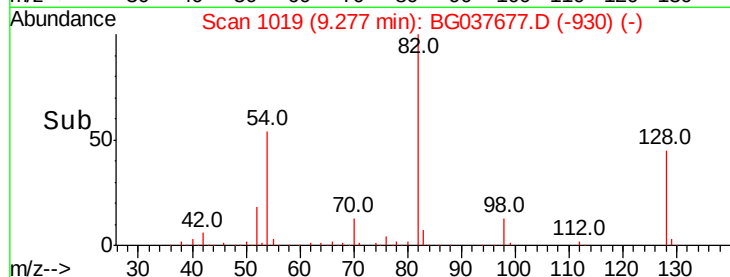
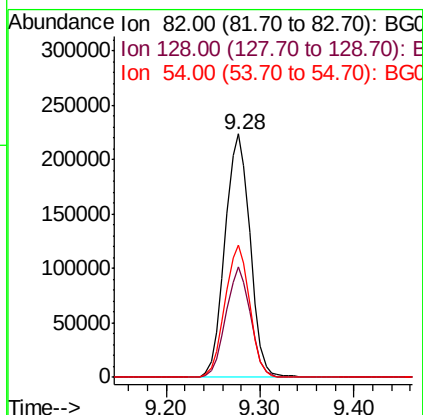
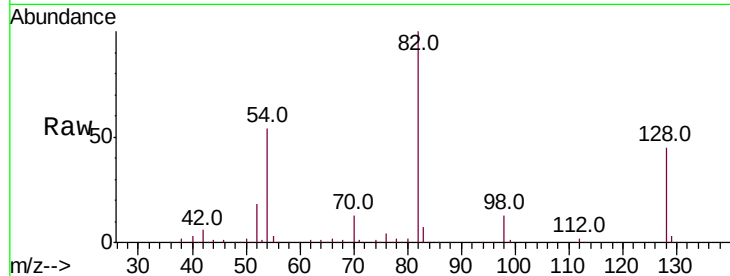




#23
 Nitrobenzene-d5
 Concen: 95.328 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037677.D
 Acq: 31 Oct 2018 7:01

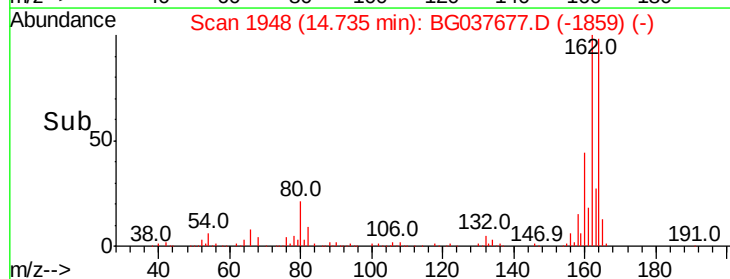
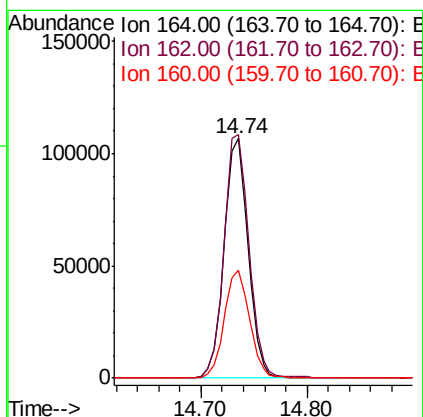
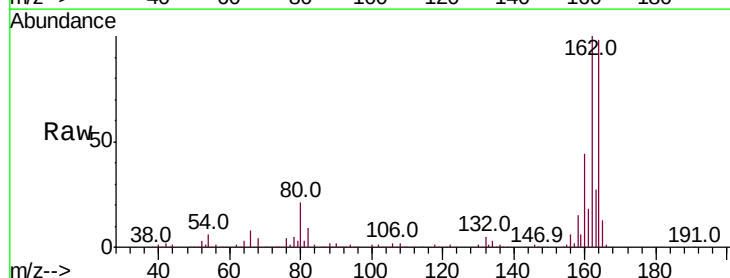
Instrument :
 BNA_G
 ClientSampled :

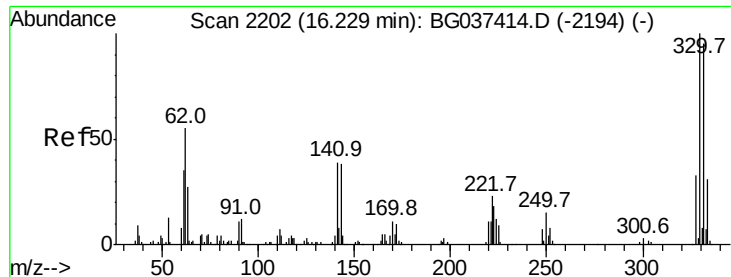
Tot Ion	82	Resp	415748
Ion Ratio	100	Lower	Upper
128	45.4	34.6	51.8
54	54.2	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037677.D
 Acq: 31 Oct 2018 7:01

Tgt Ion	164	Resp	168131
Ion Ratio	100	Lower	Upper
162	101.8	81.3	121.9
160	45.2	36.3	54.5

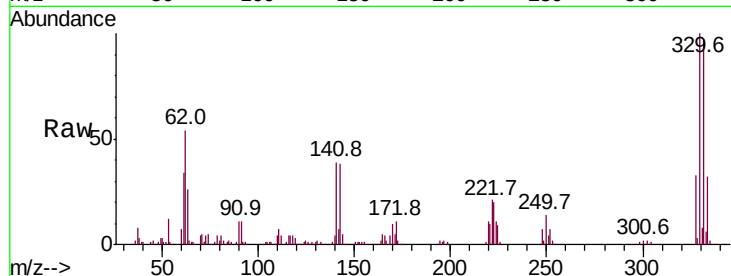




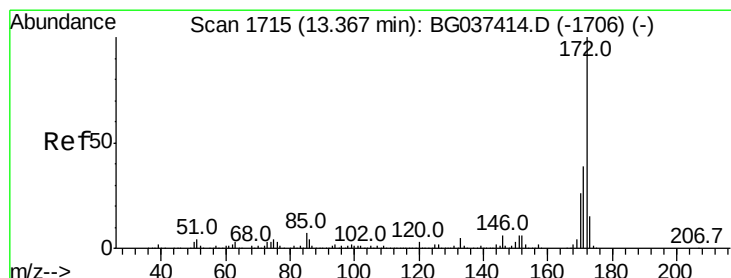
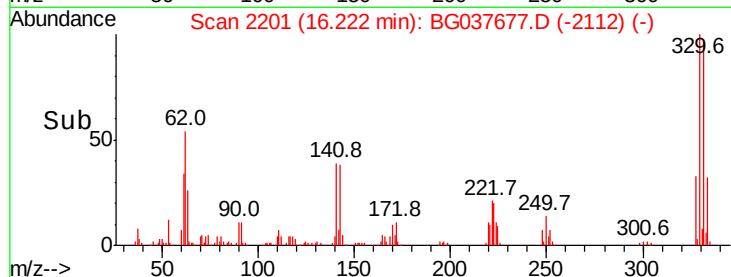
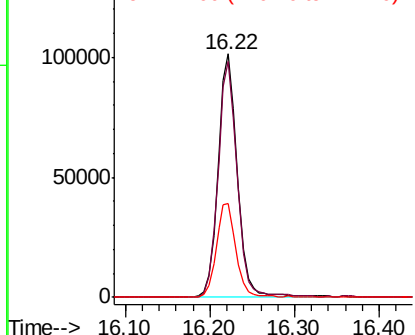
#42
 2,4,6-Tribromophenol
 Concen: 88.695 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037677.D
 Acq: 31 Oct 2018 7:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.4	117.6
141	39.1	32.2	48.2

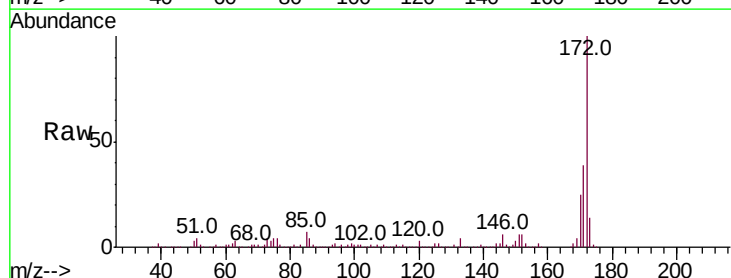


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

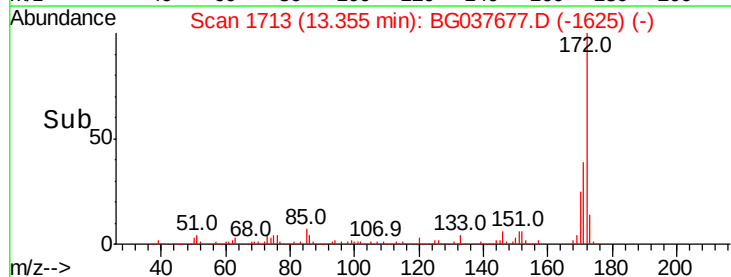
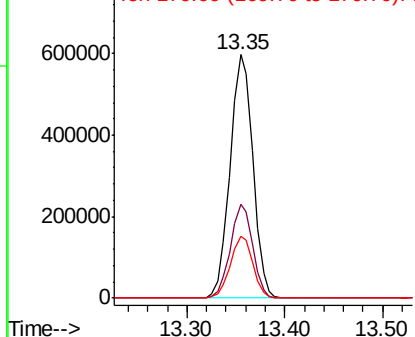


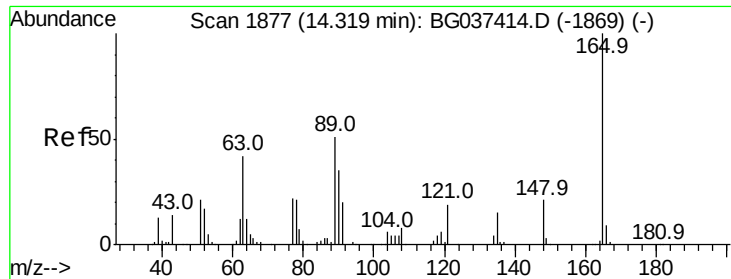
#45
 2-Fluorobiphenyl
 Concen: 87.138 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037677.D
 Acq: 31 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.0	46.4
170	25.5	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: 7.635 ng

RT: 14.73 min Scan# 1947

Delta R.T. 0.41 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

Instrument :

BNA_G

ClientSampleId :

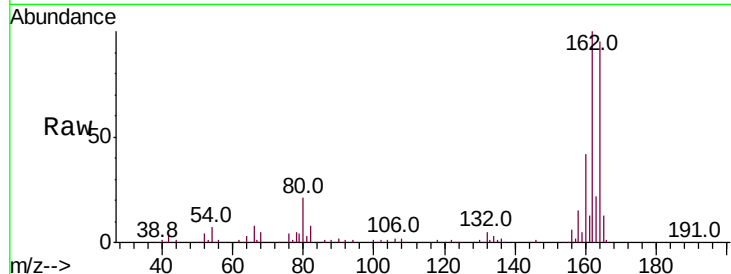
Tot Ion:165 Resp: 21970

Ion Ratio Lower Upper

165 100

63 1.7 43.4 65.2#

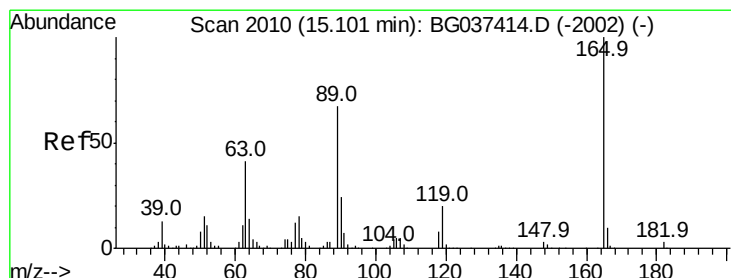
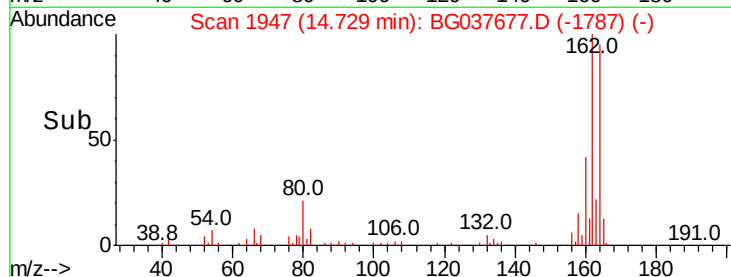
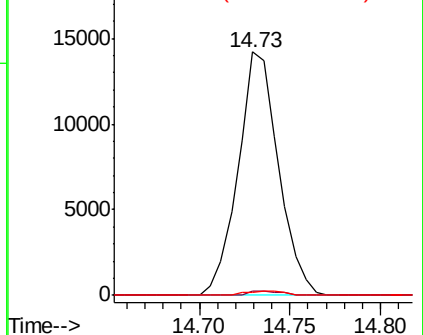
89 1.3 45.8 68.6#



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: 5.817 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.37 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

Tgt Ion:165 Resp: 21970

Ion Ratio Lower Upper

165 100

63 1.7 33.4 50.0#

89 1.3 57.2 85.8#

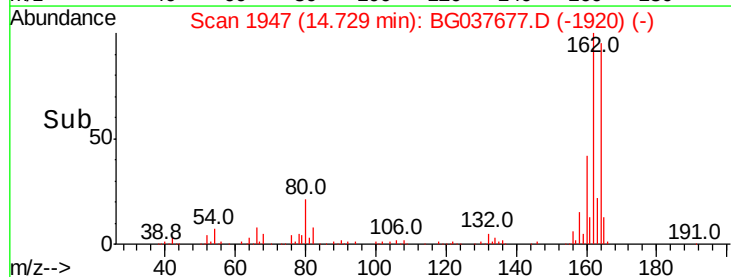
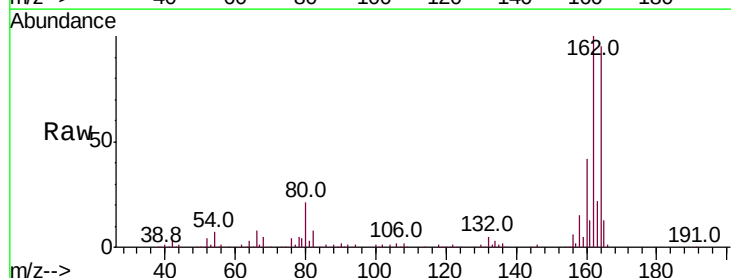
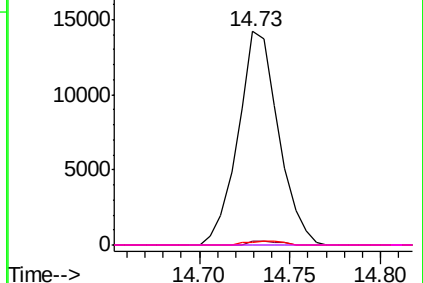
182 0.0 2.6 4.0#

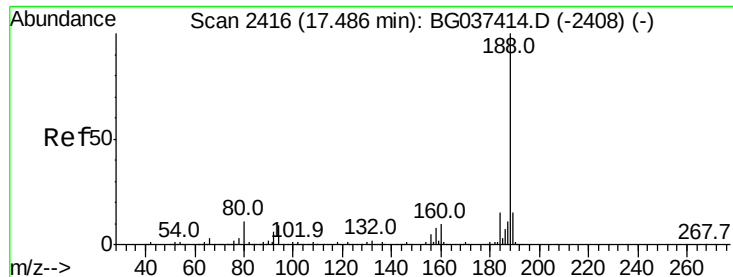
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

Instrument :

BNA_G

ClientSampleId :

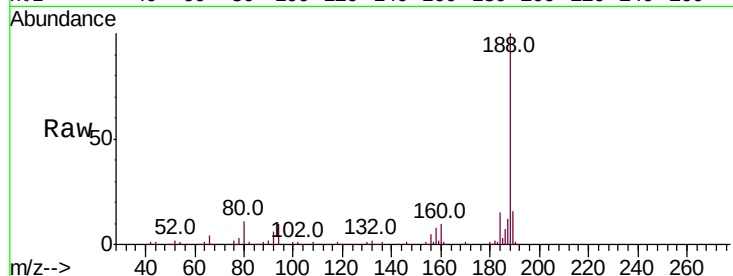
Tot Ion:188 Resp: 385641

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

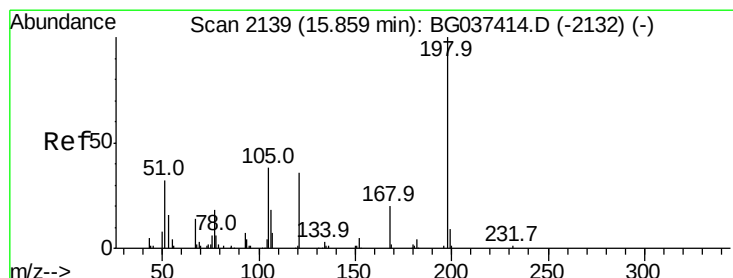
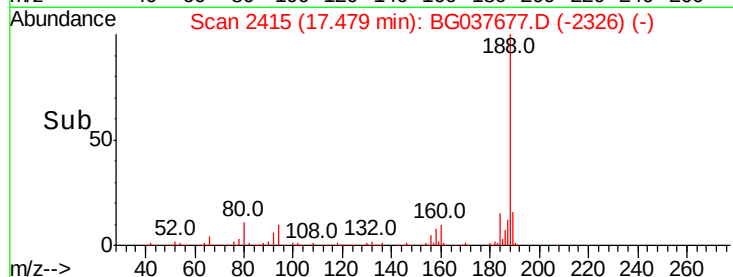
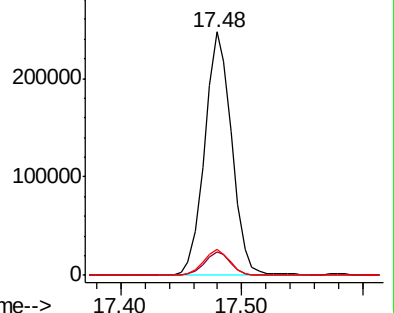
80 10.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 8.698 ng

RT: 16.20 min Scan# 2198

Delta R.T. 0.35 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

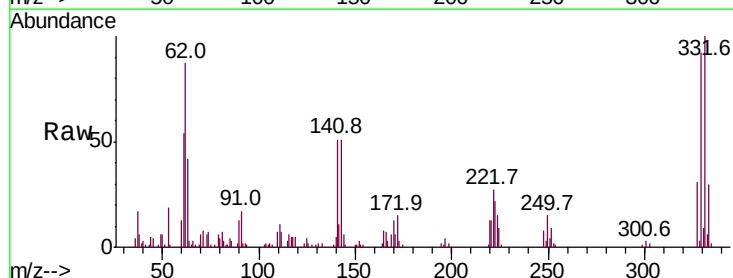
Tgt Ion:198 Resp: 469

Ion Ratio Lower Upper

198 100

51 49.2 22.7 62.7

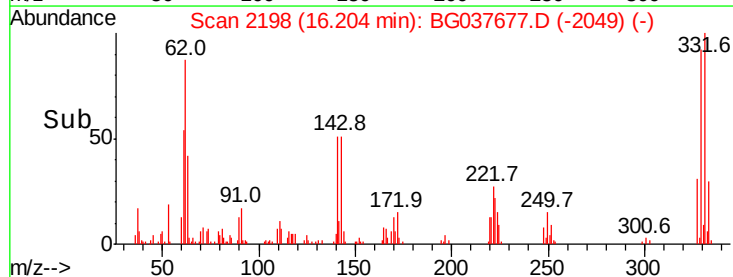
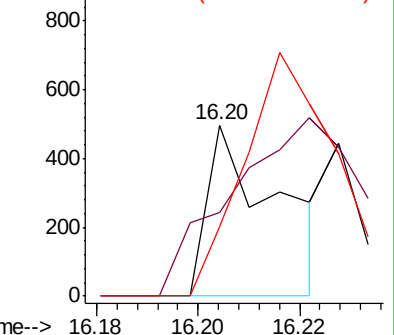
105 40.8 19.7 59.7

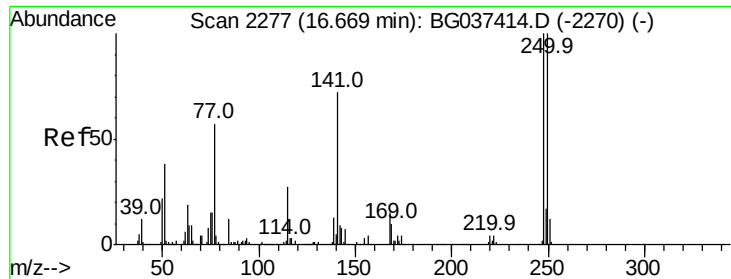


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

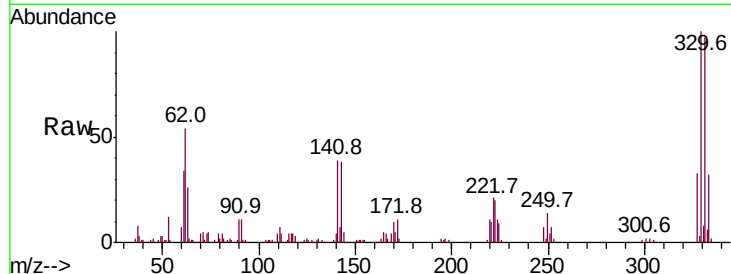




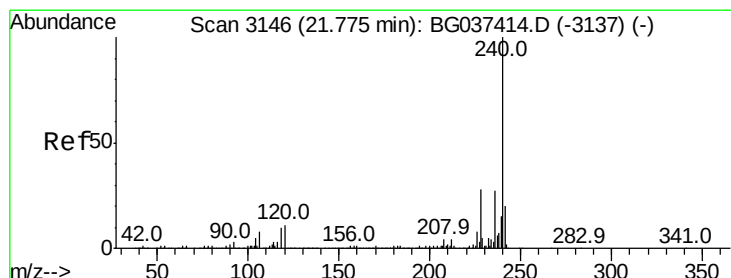
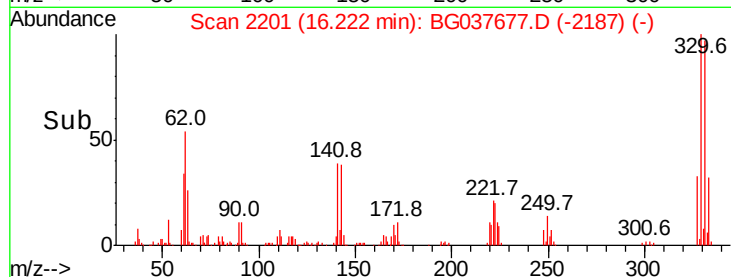
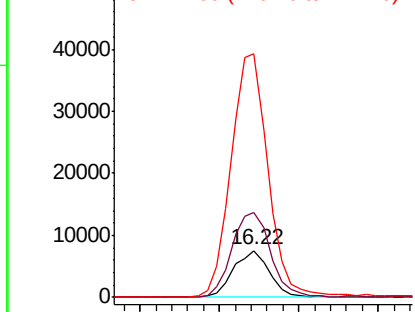
#67
 4-Bromophenyl-phenylether
 Concen: 2.781 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037677.D
 Acq: 31 Oct 2018 7:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 11778
 Ion Ratio Lower Upper
 248 100
 250 192.5 77.0 115.6#
 141 413.8 55.5 83.3#

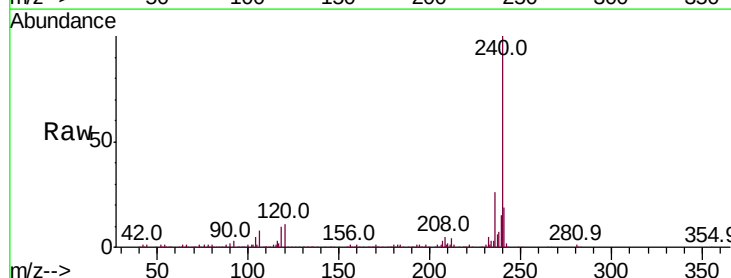


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

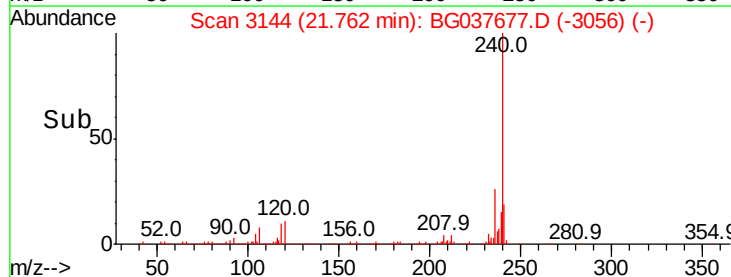
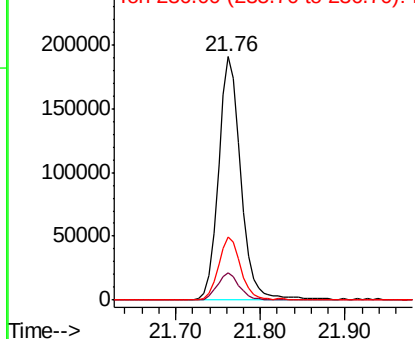


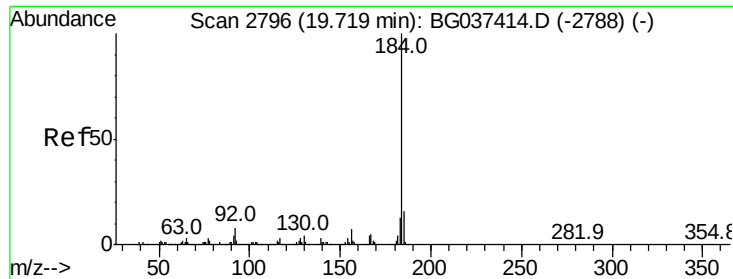
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037677.D
 Acq: 31 Oct 2018 7:01

Tgt Ion:240 Resp: 351484
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.1 12.1
 236 26.0 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: 2.004 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

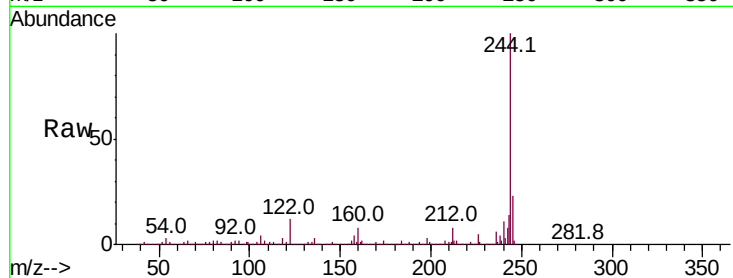
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 23955

Ion	Ratio	Lower	Upper
184	100		
185	17.8	12.6	18.8
183	8.3	10.2	15.2

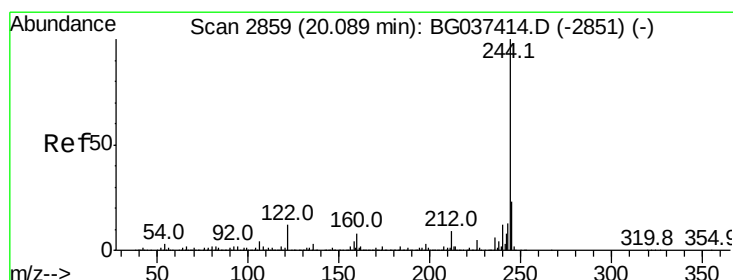
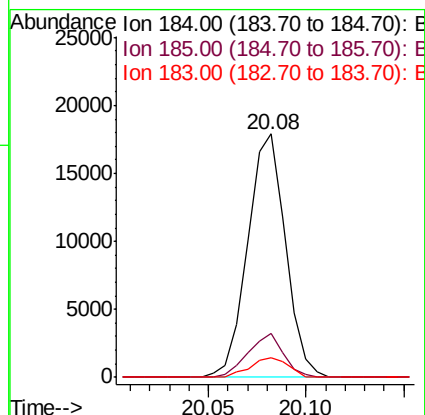
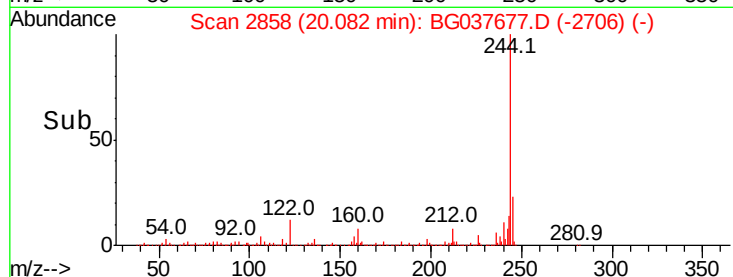


Abundance

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: 87.909 ng

RT: 20.08 min Scan# 2858

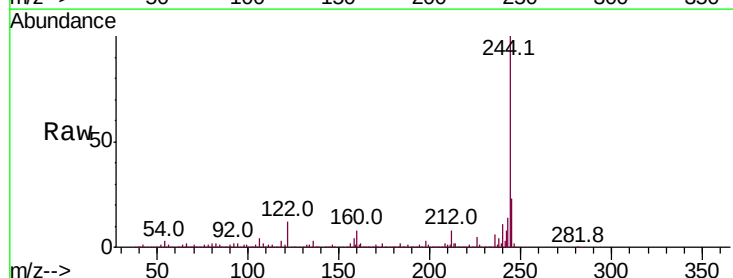
Delta R.T. -0.01 min

Lab File: BG037677.D

Acq: 31 Oct 2018 7:01

Tgt Ion:244 Resp: 1446038

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.6	9.0	13.4

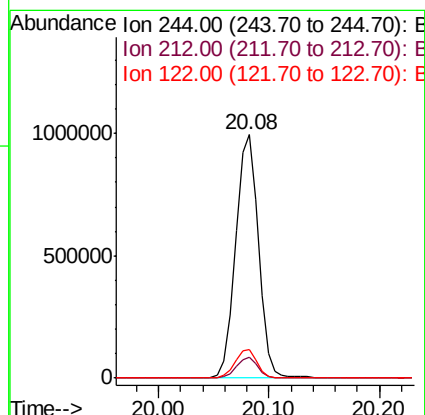
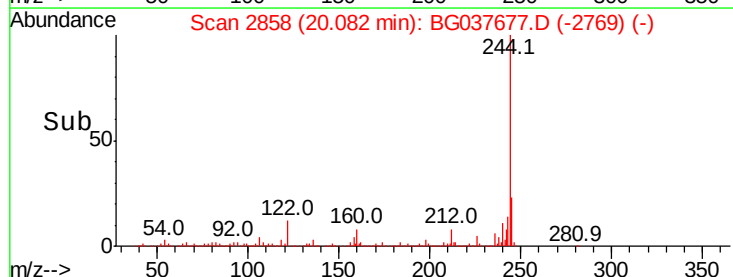


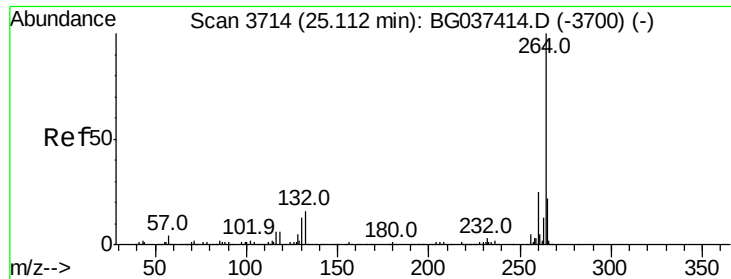
Abundance

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: 25.09 min Scan# 3711
 Delta R.T. -0.02 min
 Lab File: BG037677.D
 Acq: 31 Oct 2018 7:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.2	27.4
265	22.5	17.9	26.9

