

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037611.D
 Acq On : 27 Oct 2018 10:49
 Operator : JU/SJ
 Sample : J5686-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 04:28:06 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

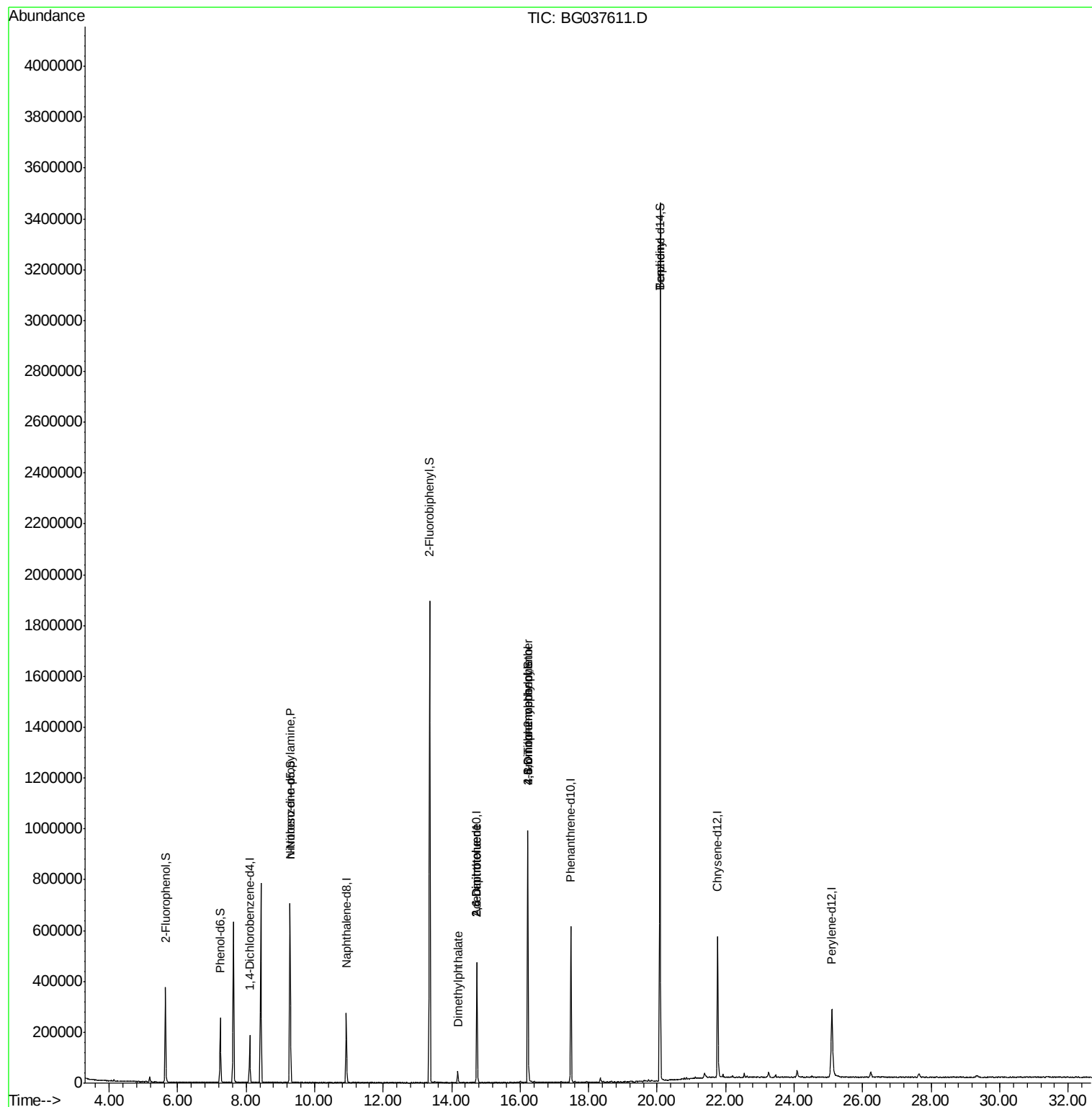
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	55915	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	240852	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	167798	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	403179	20.00	ng	0.00
76) Chrysene-d12	21.76	240	360304	20.00	ng	-0.01
87) Perylene-d12	25.11	264	341322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	173883	51.99	ng	0.00
7) Phenol-d6	7.25	99	164113	32.45	ng	0.00
23) Nitrobenzene-d5	9.28	82	455028	105.83	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	180490	98.62	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1065024	95.71	ng	0.00
79) Terphenyl-d14	20.08	244	1609031	95.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	56641	16.264	ng	Qvalue # 70
50) Dimethylphthalate	14.18	163	32683	2.518	ng	98
51) 2,6-Dinitrotoluene	14.74	165	21493	7.484	ng	# 26
57) 2,4-Dinitrotoluene	14.74	165	21493	5.702	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	313	8.629	ng	88
67) 4-Bromophenyl-phenylether	16.22	248	12676	2.863	ng	# 1
77) Benzidine	20.08	184	27767	2.266	ng	# 95

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

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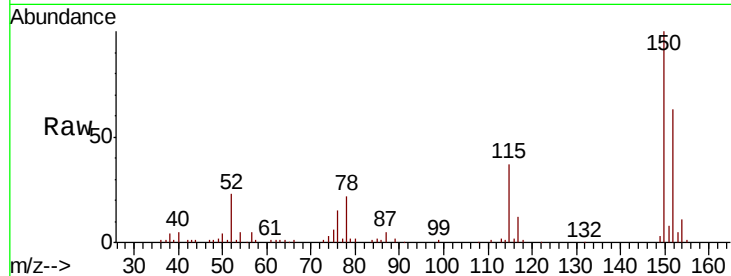


#1

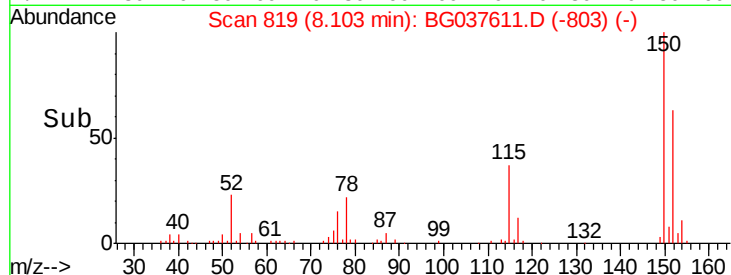
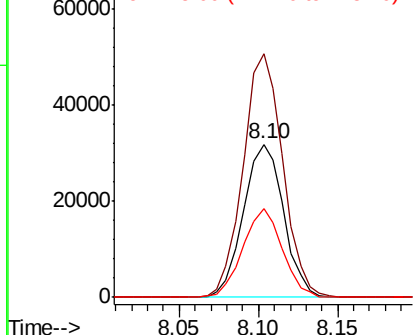
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55915
Ion Ratio Lower Upper
152 100
150 159.4 126.0 189.0
115 58.3 45.5 68.3



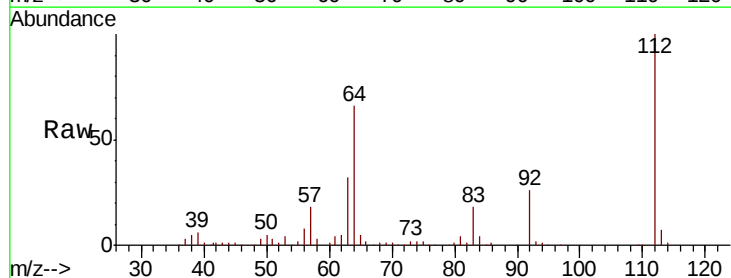
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



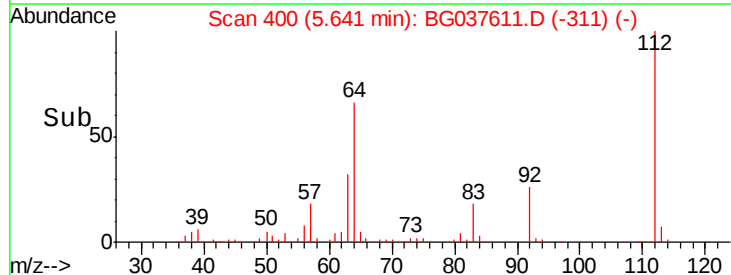
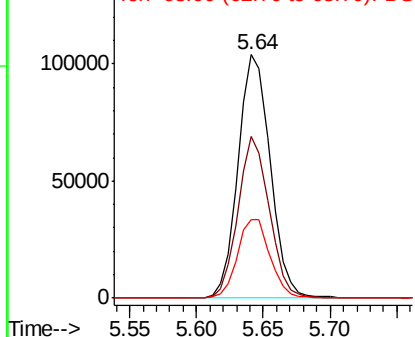
#5

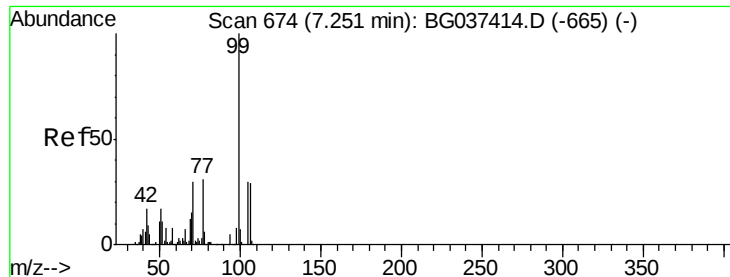
2-Fluorophenol
Concen: 51.991 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Tgt Ion:112 Resp: 173883
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 32.0 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: 32.451 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

Instrument :

BNA_G

ClientSampleId :

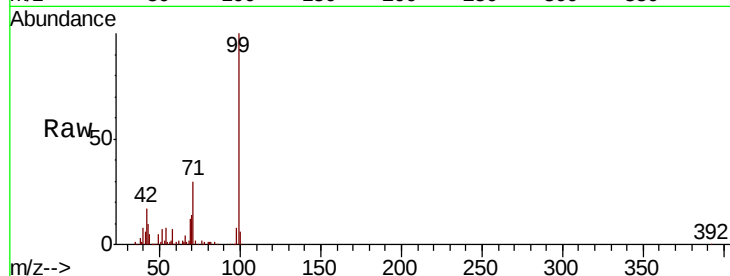
Tot Ion: 99 Resp: 164113

Ion Ratio Lower Upper

99 100

42 17.1 15.0 22.4

71 30.0 25.5 38.3

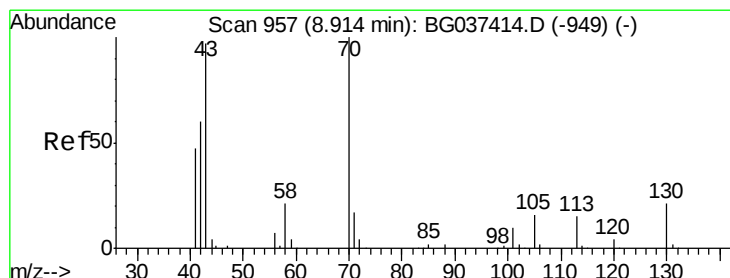
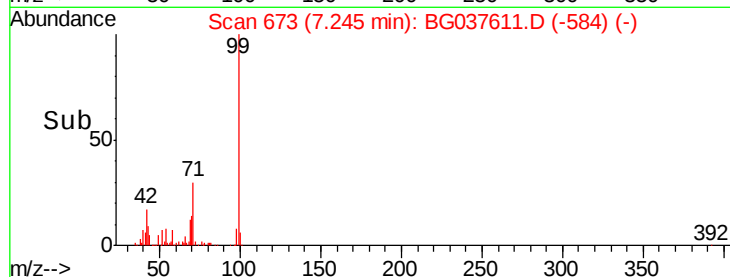
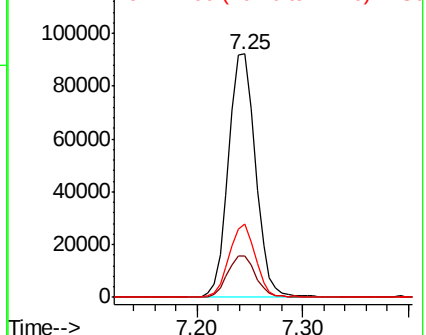


Abundance

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: 16.264 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

Tgt Ion: 70 Resp: 56641

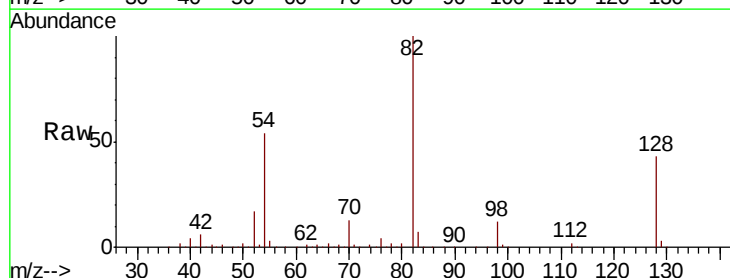
Ion Ratio Lower Upper

70 100

42 46.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.6 18.2 27.4#



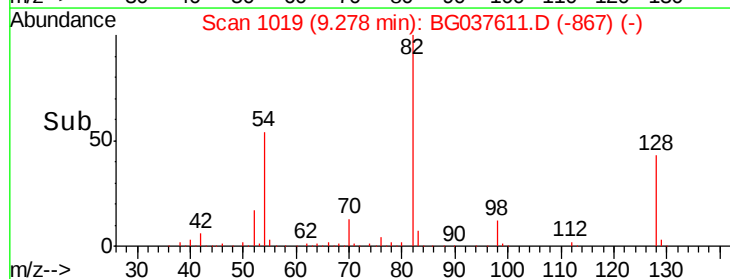
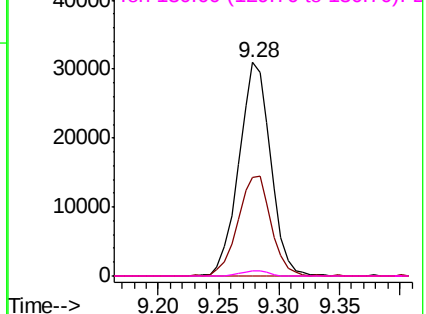
Abundance

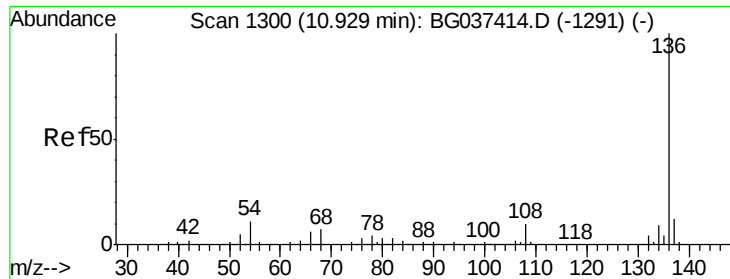
Ion 70.00 (69.70 to 70.70): BGC

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

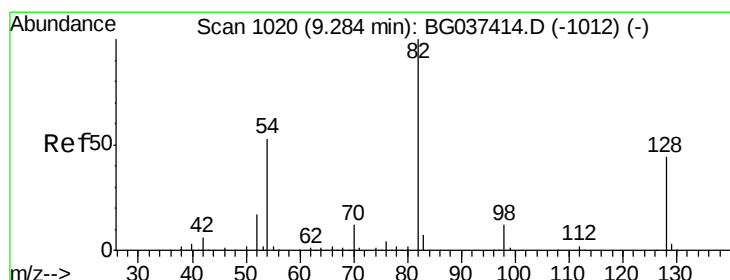
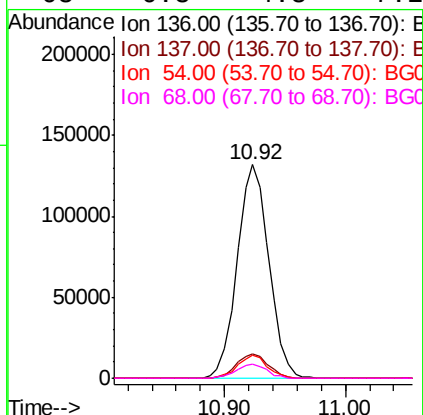
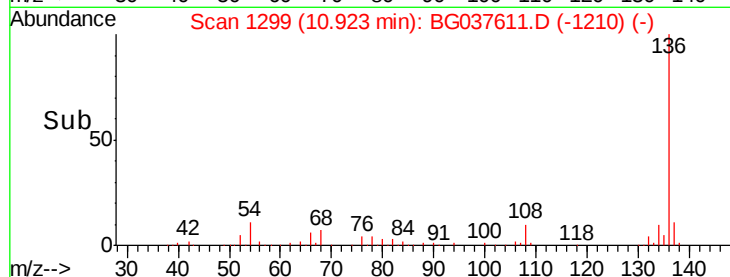
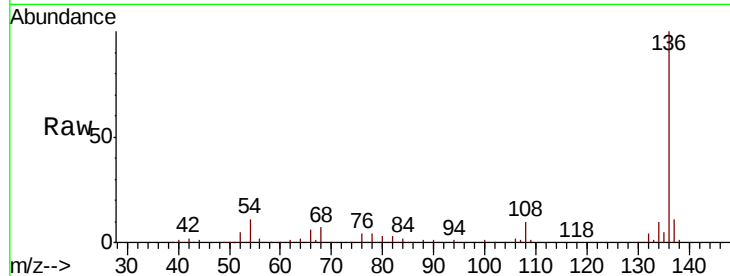




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

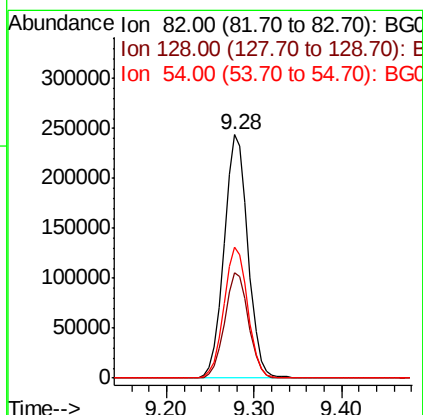
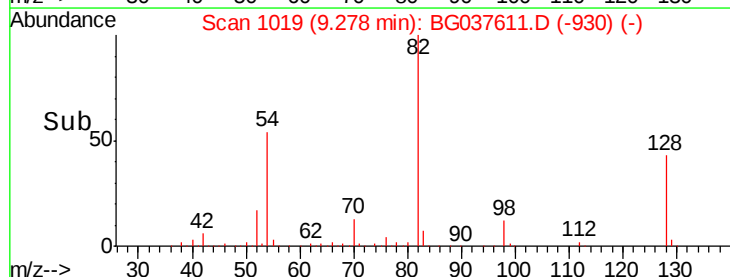
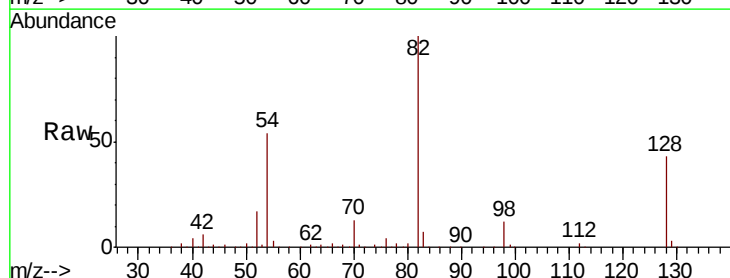
Instrument :
BNA_G
ClientSampleId :

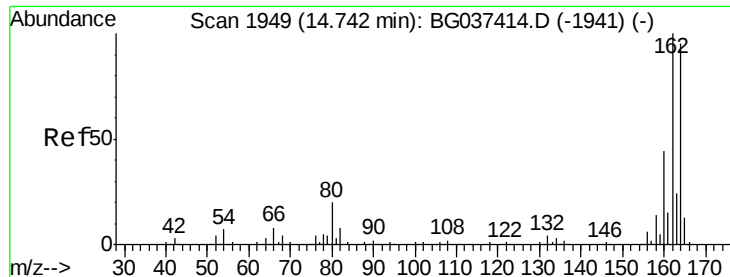
Tot Ion:136	Resp:	240852
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.6 14.4
54	10.7	7.9 11.9
68	6.8	4.8 7.2



#23
Nitrobenzene-d5
Concen: 105.833 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Tgt Ion: 82	Resp:	455028
Ion	Ratio	Lower Upper
82	100	
128	43.4	34.6 51.8
54	54.1	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: BG037611.D

Acq: 27 Oct 2018 10:49

Instrument :

BNA_G

ClientSampleId :

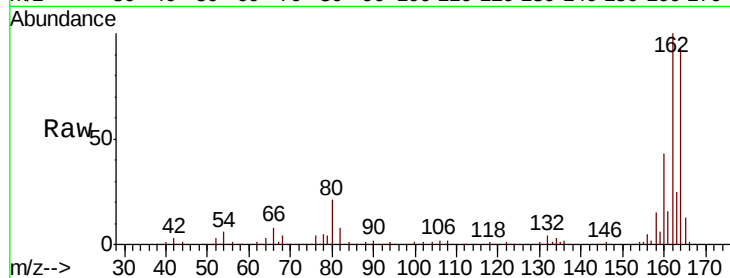
Tot Ion:164 Resp: 167798

Ion Ratio Lower Upper

164 100

162 108.0 81.3 121.9

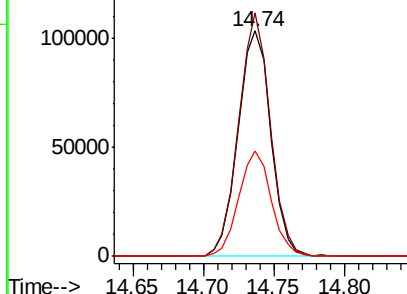
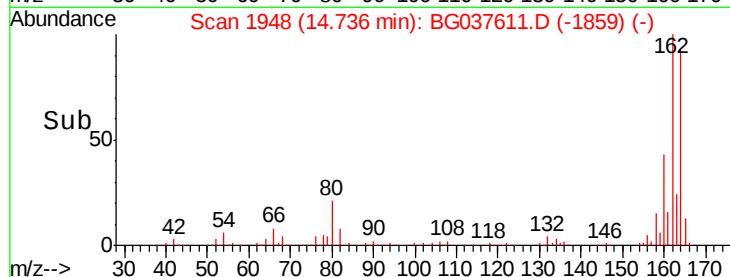
160 46.5 36.3 54.5



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: 98.620 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

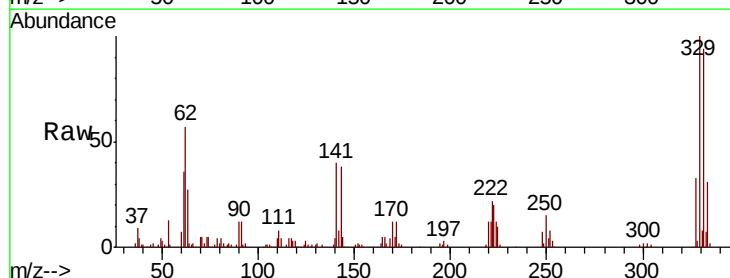
Tgt Ion:330 Resp: 180490

Ion Ratio Lower Upper

330 100

332 96.4 78.4 117.6

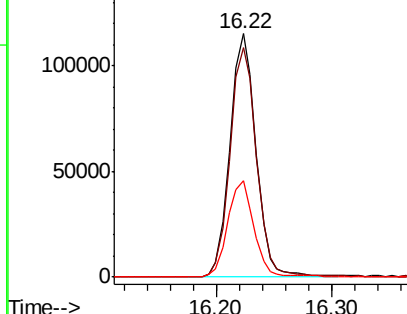
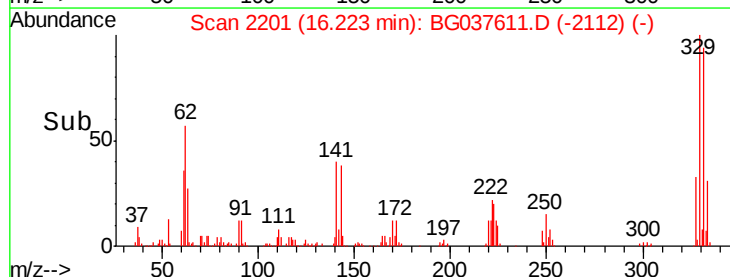
141 39.9 32.2 48.2



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

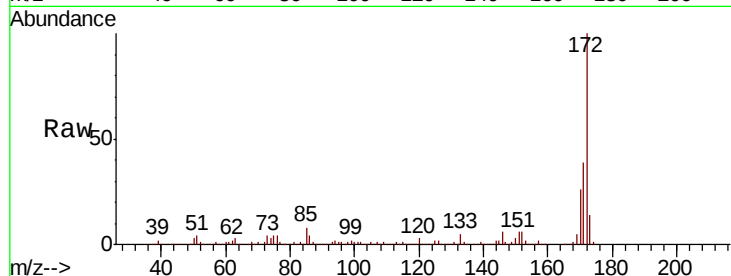




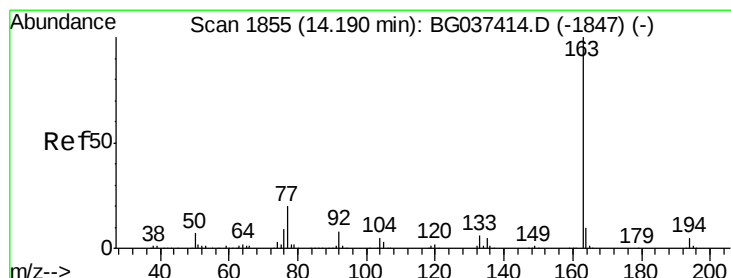
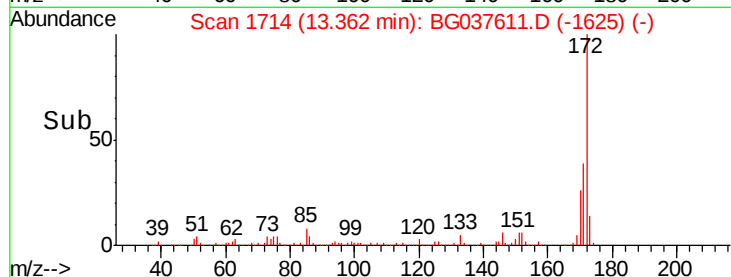
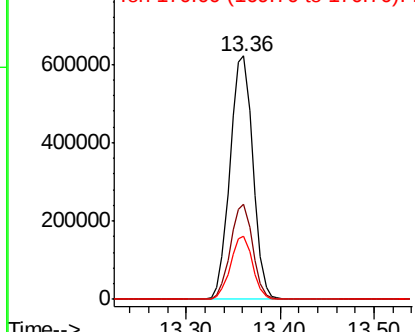
#45
2-Fluorobiphenyl
Concen: 95.710 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1065024
Ion Ratio Lower Upper
172 100
171 38.9 31.0 46.4
170 25.7 20.2 30.2

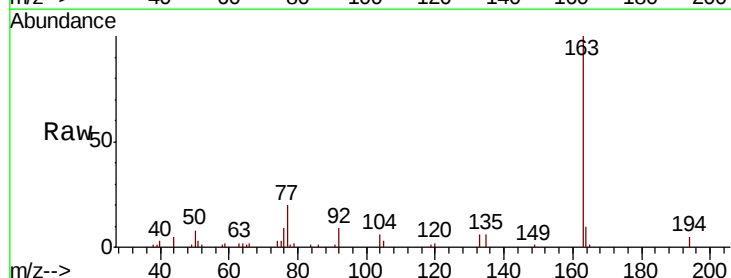


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

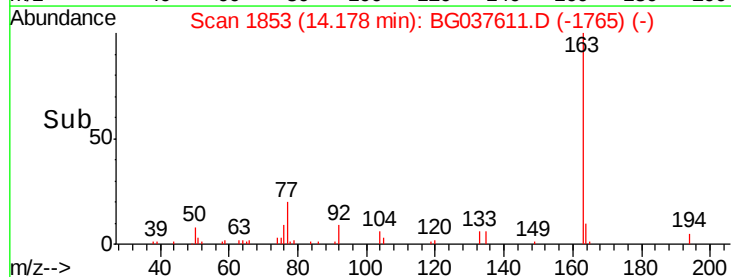
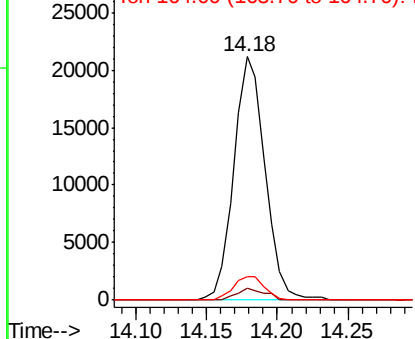


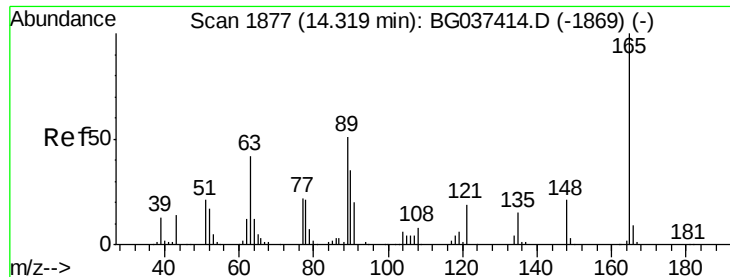
#50
Dimethylphthalate
Concen: 2.518 ng
RT: 14.18 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Tgt Ion:163 Resp: 32683
Ion Ratio Lower Upper
163 100
194 5.1 3.5 5.3
164 9.7 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

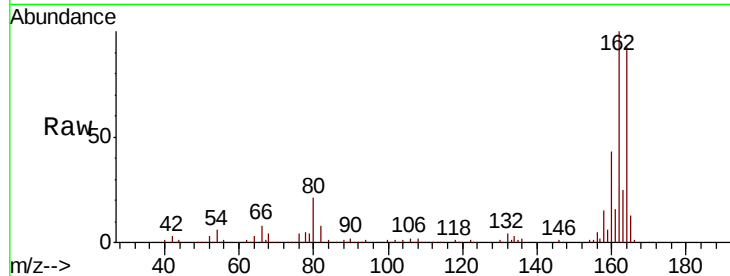




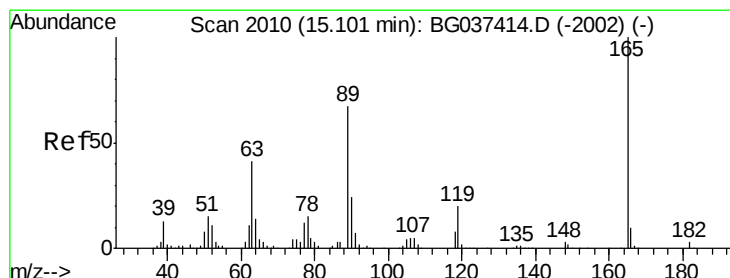
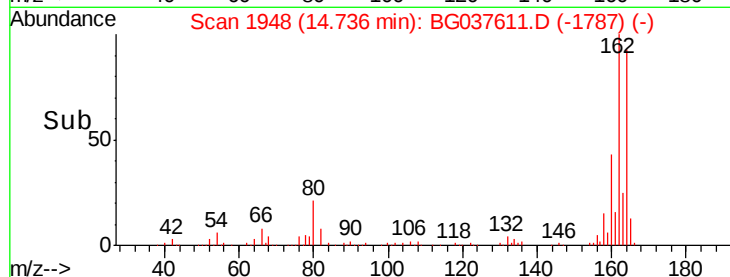
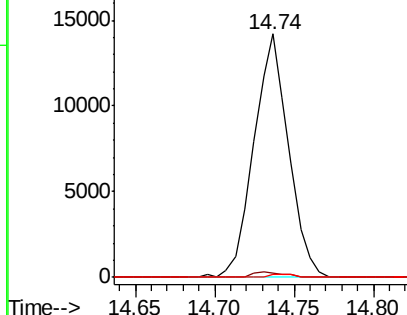
#51
2,6-Dinitrotoluene
Concen: 7.484 ng
RT: 14.74 min Scan# 1948
Delta R.T. 0.42 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21493
Ion Ratio Lower Upper
165 100
63 1.8 43.4 65.2#
89 1.3 45.8 68.6#

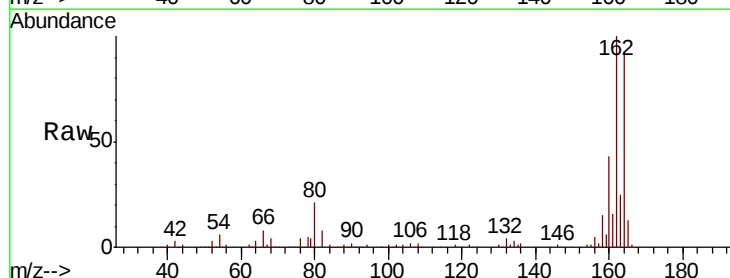


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

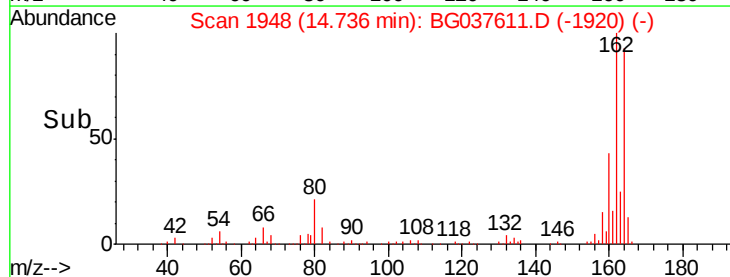
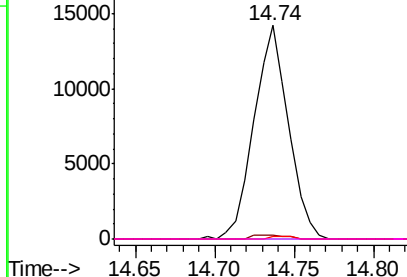


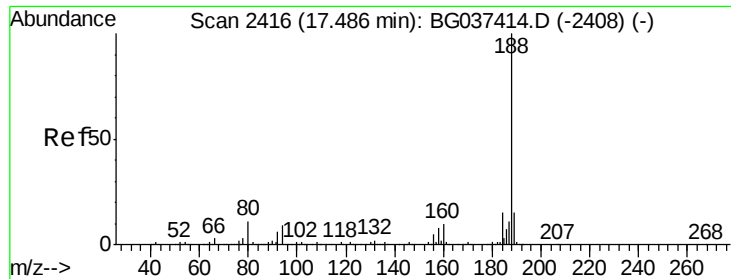
#57
2,4-Dinitrotoluene
Concen: 5.702 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.36 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Tgt Ion:165 Resp: 21493
Ion Ratio Lower Upper
165 100
63 1.8 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: BG037611.D

Acq: 27 Oct 2018 10:49

Instrument :

BNA_G

ClientSampleId :

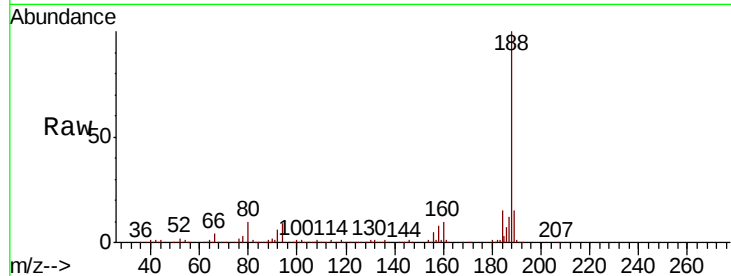
Tot Ion:188 Resp: 403179

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

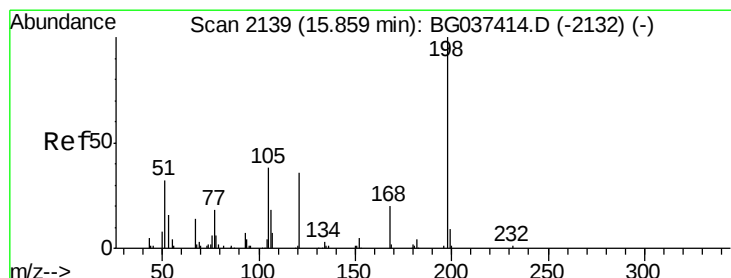
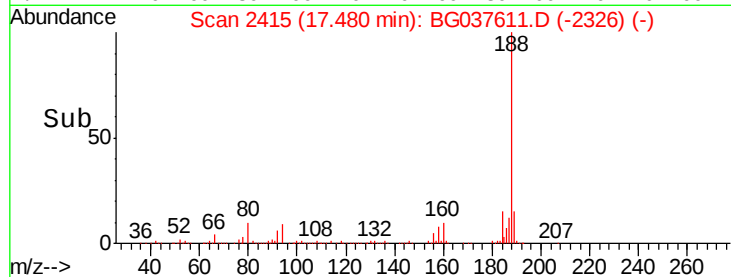
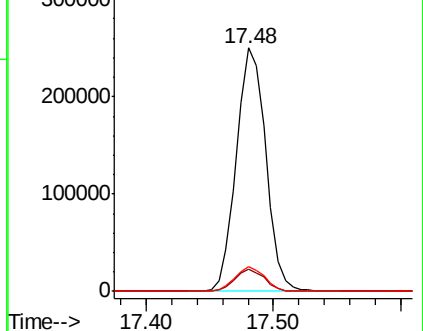
80 9.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.629 ng

RT: 16.22 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

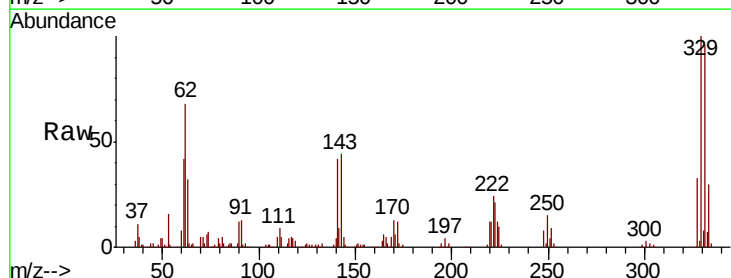
Tgt Ion:198 Resp: 313

Ion Ratio Lower Upper

198 100

51 30.7 22.7 62.7

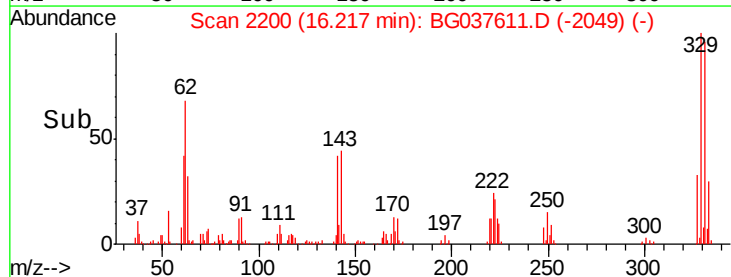
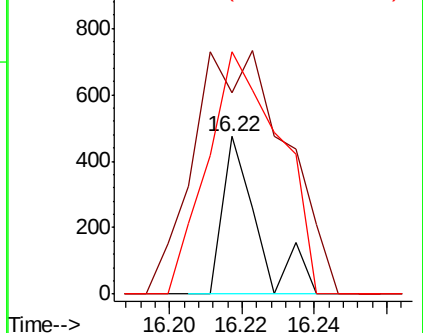
105 36.9 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.863 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

Instrument :

BNA_G

ClientSampleId :

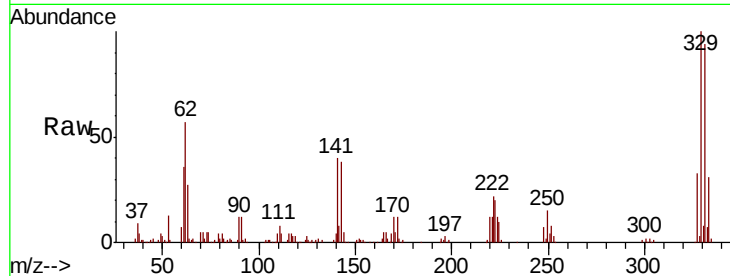
Tot Ion:248 Resp: 12676

Ion Ratio Lower Upper

248 100

250 203.2 77.0 115.6#

141 416.0 55.5 83.3#

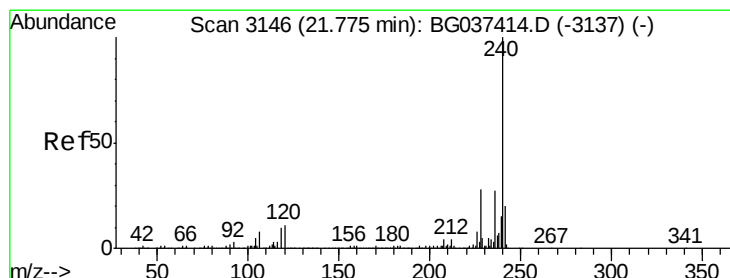
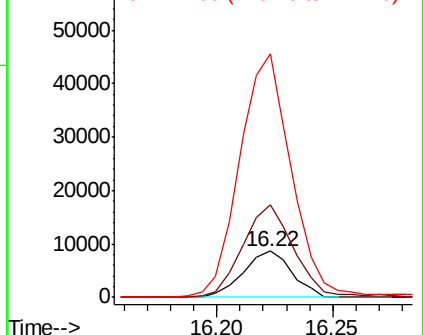
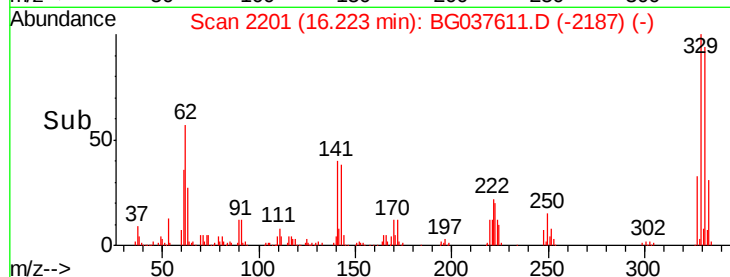


Abundance

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: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

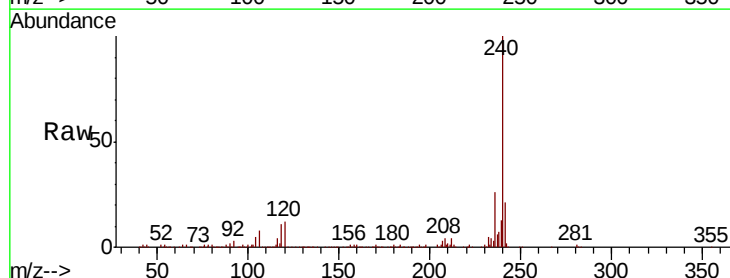
Tgt Ion:240 Resp: 360304

Ion Ratio Lower Upper

240 100

120 11.6 8.1 12.1

236 25.9 21.4 32.0

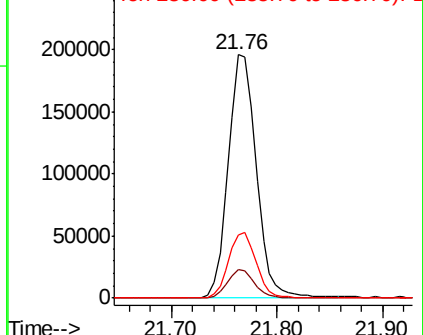
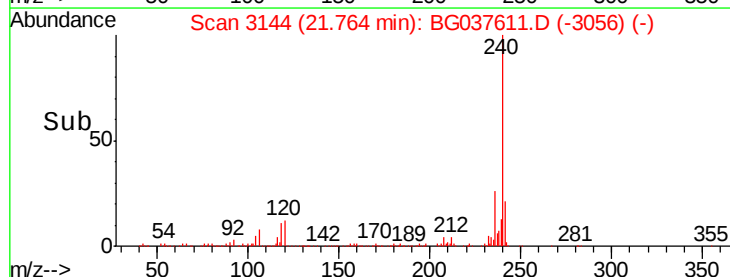


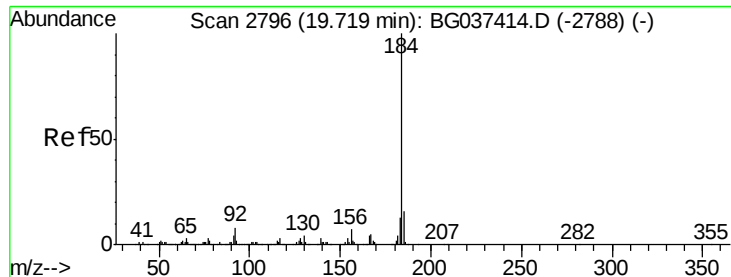
Abundance

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: 2.266 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

Instrument :

BNA_G

ClientSampled :

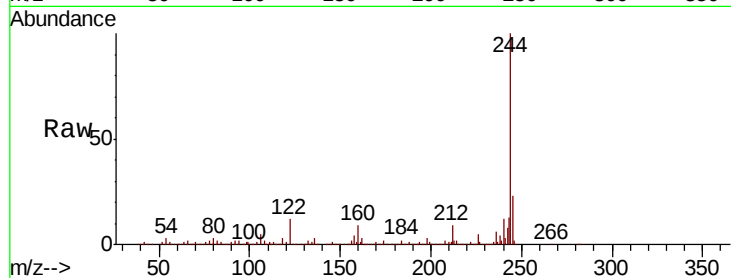
Tot Ion:184 Resp: 27767

Ion Ratio Lower Upper

184 100

185 15.3 12.6 18.8

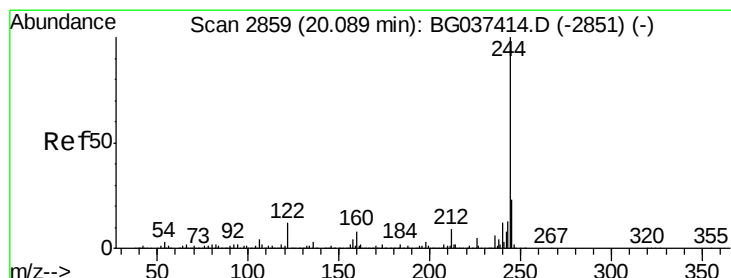
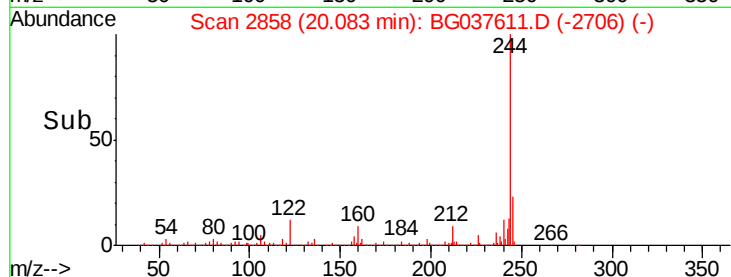
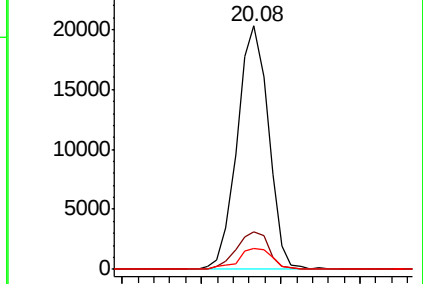
183 8.6 10.2 15.2#



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: 95.423 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037611.D

Acq: 27 Oct 2018 10:49

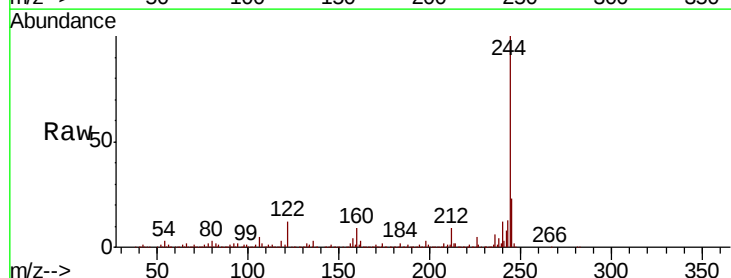
Tgt Ion:244 Resp: 1609031

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

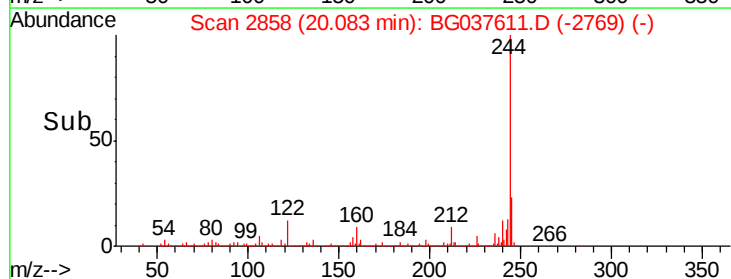
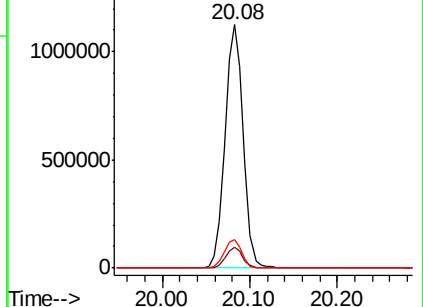
122 12.0 9.0 13.4

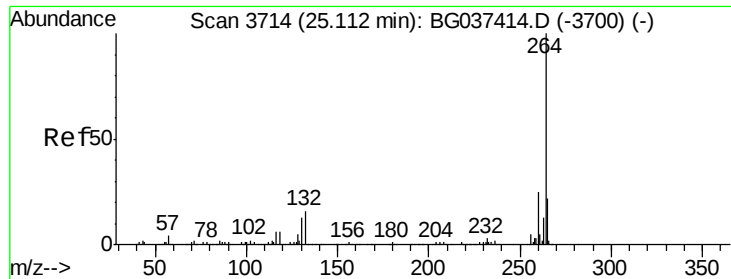


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.11 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037611.D
Acq: 27 Oct 2018 10:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	22.5	17.9	26.9

