

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
 Data File : BG037688.D
 Acq On : 31 Oct 2018 17:37
 Operator : JU/SJ
 Sample : J5737-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 07:02:17 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

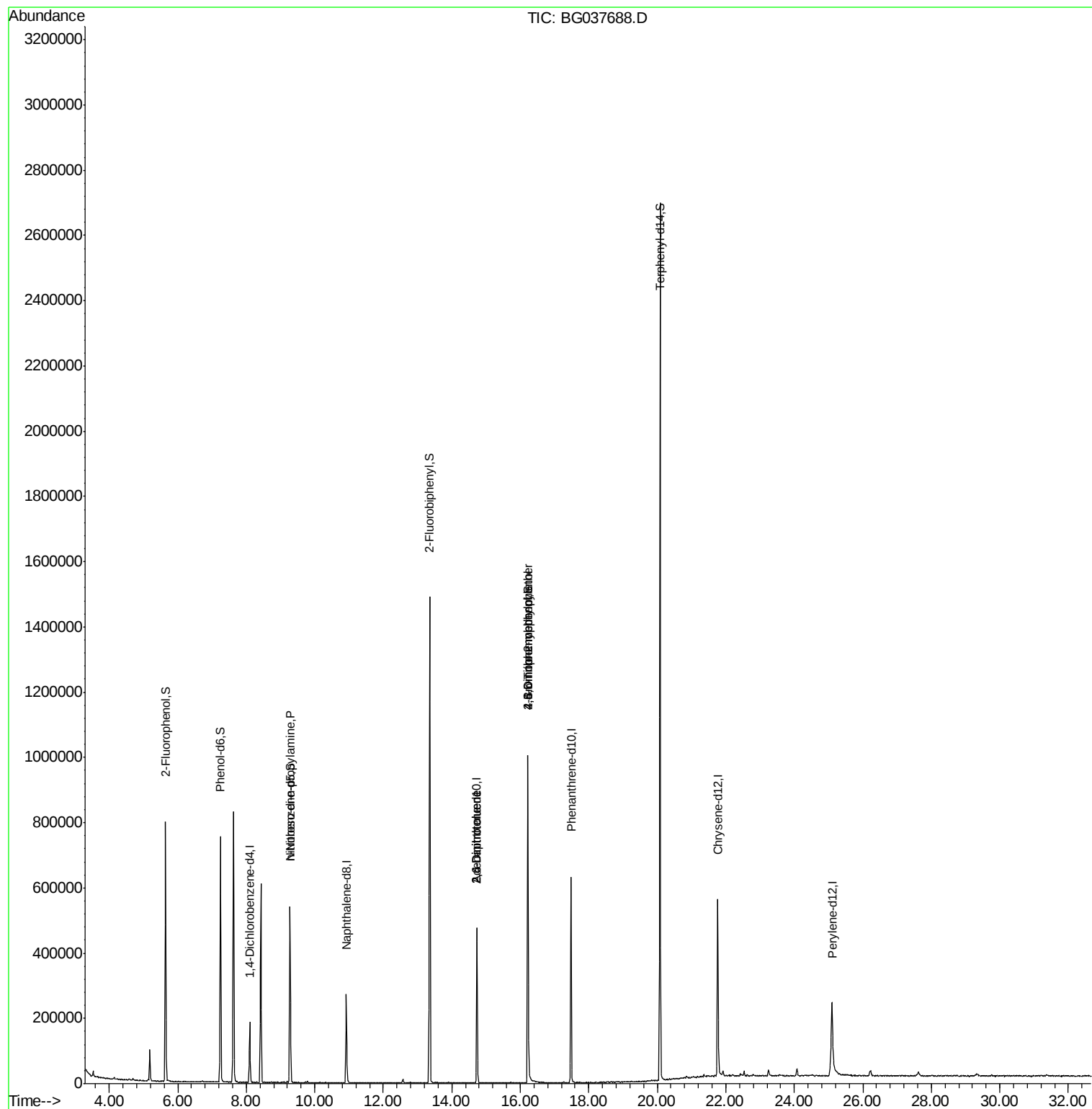
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	56059	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	244448	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	170309	20.00	ng	-0.01
64) Phenanthrene-d10	17.48	188	405894	20.00	ng	0.00
76) Chrysene-d12	21.77	240	371389	20.00	ng	-0.01
87) Perylene-d12	25.10	264	338873	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	364058	108.57	ng	0.00
7) Phenol-d6	7.25	99	483199	95.30	ng	0.00
23) Nitrobenzene-d5	9.27	82	348303	79.82	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	204560	110.12	ng	-0.01
45) 2-Fluorobiphenyl	13.36	172	840134	74.39	ng	-0.01
79) Terphenyl-d14	20.08	244	1315640	75.69	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	44913	12.864	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	21761	7.466	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	21761	5.688	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	281	8.616	ng	76
67) 4-Bromophenyl-phenylether	16.22	248	15180	3.406	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: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG037688.D

Acq: 31 Oct 2018 17:37

Instrument :

BNA_G

ClientSampleId :

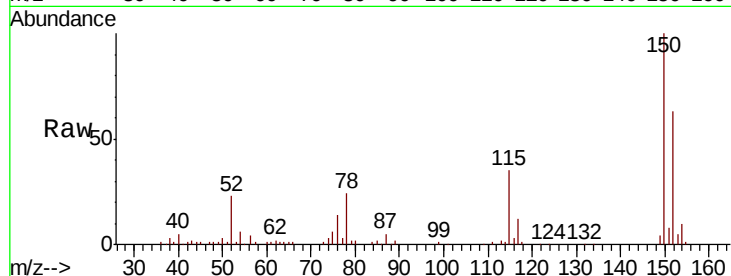
Tot Ion:152 Resp: 56059

Ion Ratio Lower Upper

152 100

150 158.3 126.0 189.0

115 56.2 45.5 68.3

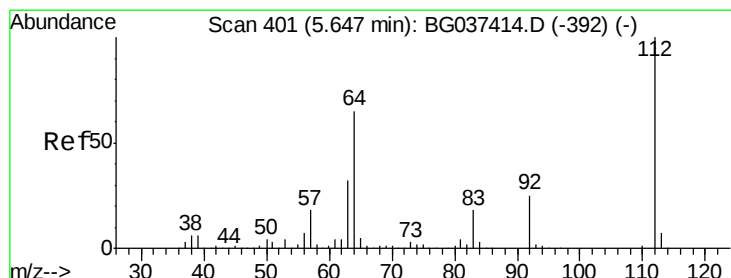
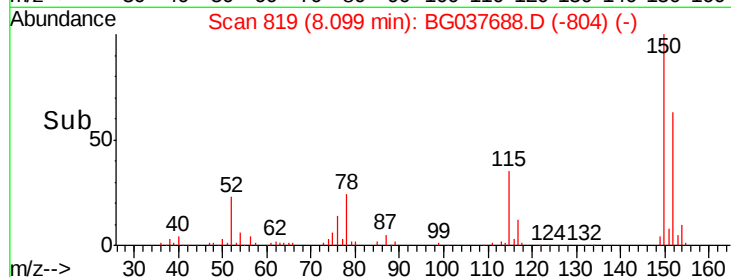
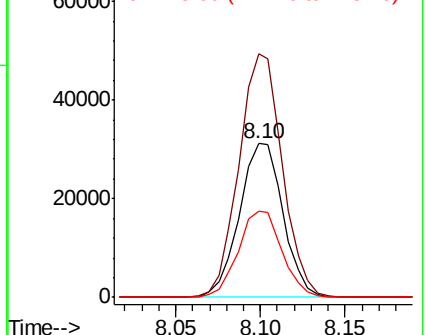


Abundance

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: 108.573 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037688.D

Acq: 31 Oct 2018 17:37

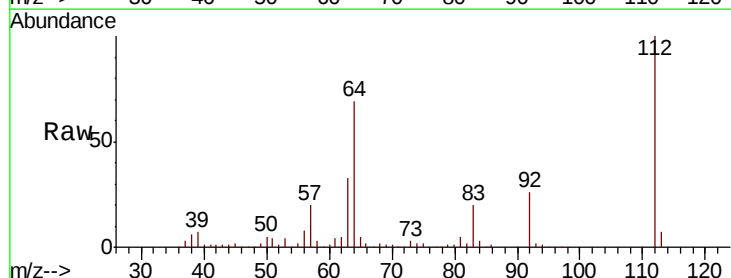
Tgt Ion:112 Resp: 364058

Ion Ratio Lower Upper

112 100

64 68.5 53.1 79.7

63 33.2 27.3 40.9

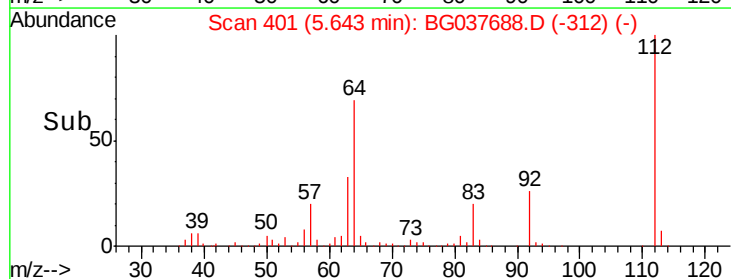
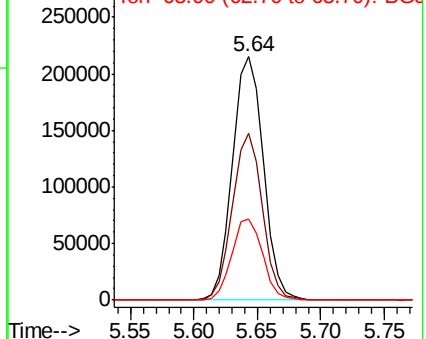


Abundance

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: 95.300 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037688.D

Acq: 31 Oct 2018 17:37

Instrument :

BNA_G

ClientSampleId :

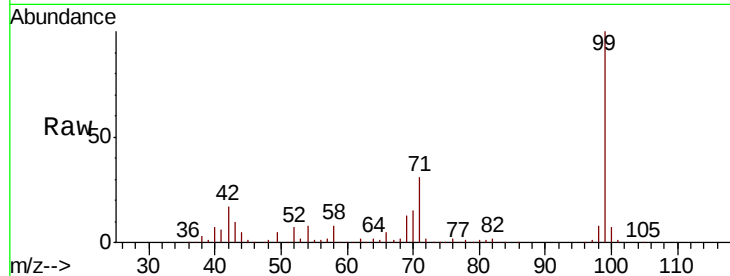
Tot Ion: 99 Resp: 483199

Ion Ratio Lower Upper

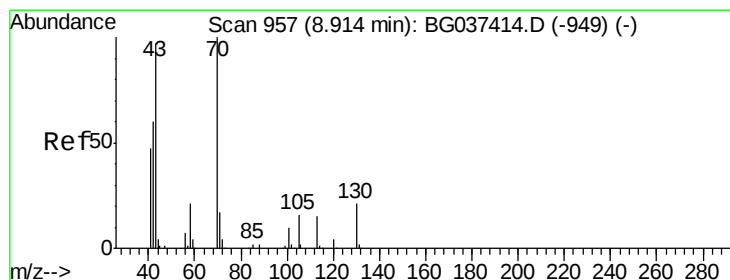
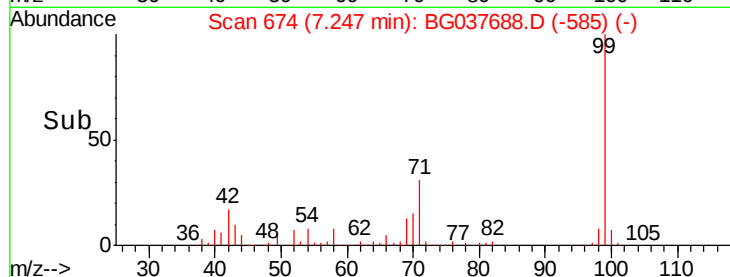
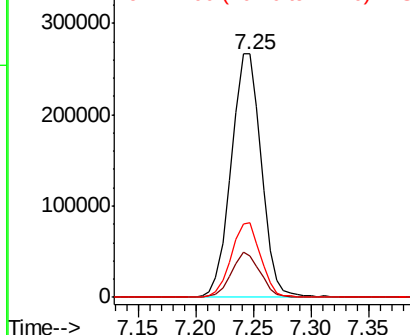
99 100

42 17.2 15.0 22.4

71 30.5 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: 12.864 ng

RT: 9.27 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037688.D

Acq: 31 Oct 2018 17:37

Tgt Ion: 70 Resp: 44913

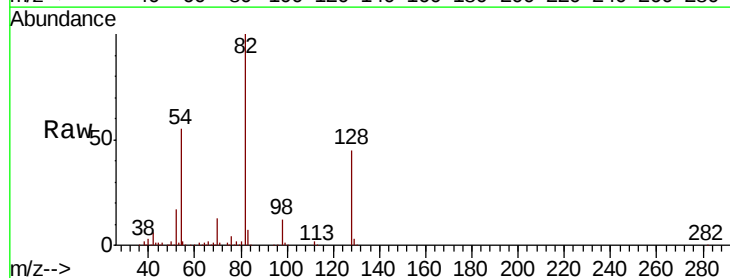
Ion Ratio Lower Upper

70 100

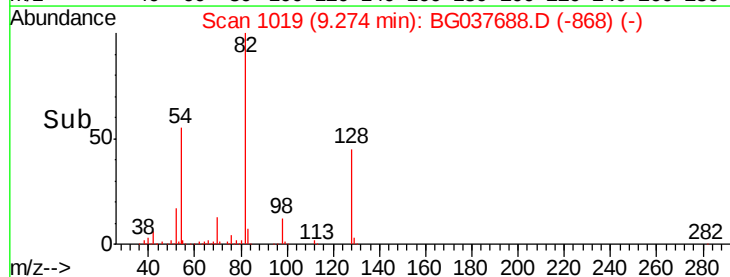
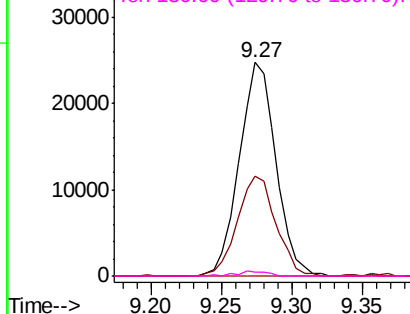
42 47.0 53.9 80.9#

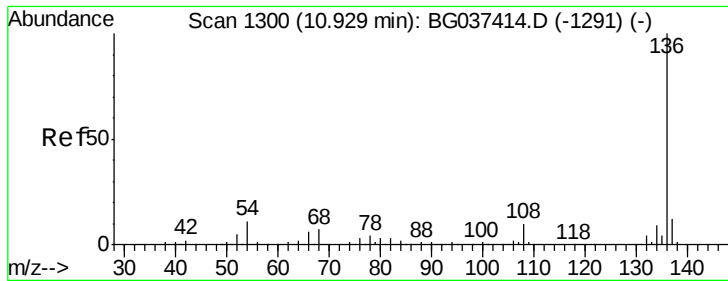
101 0.0 8.2 12.2#

130 1.9 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

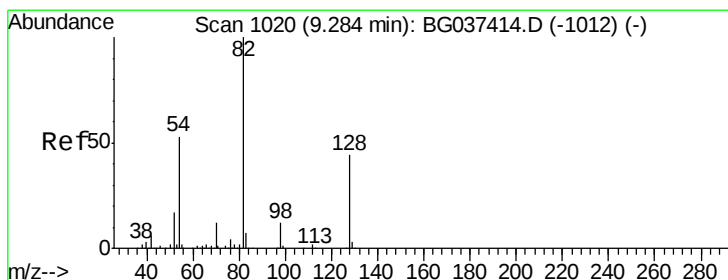
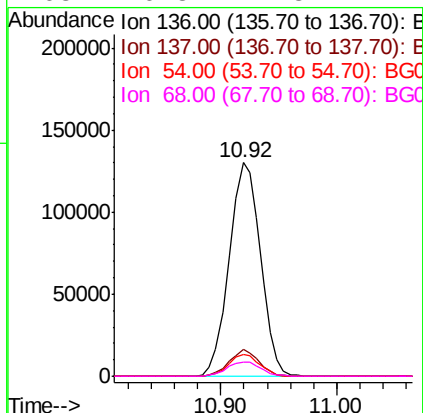
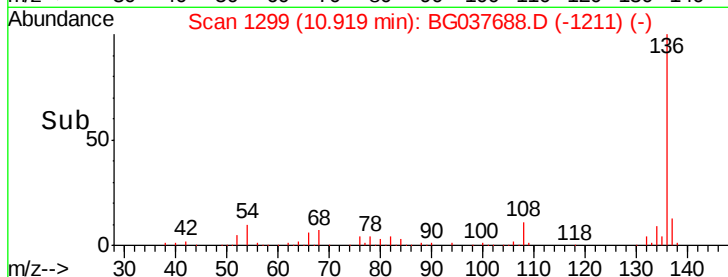
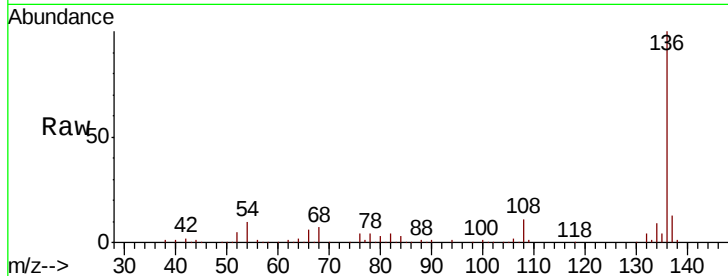




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037688.D
Acq: 31 Oct 2018 17:37

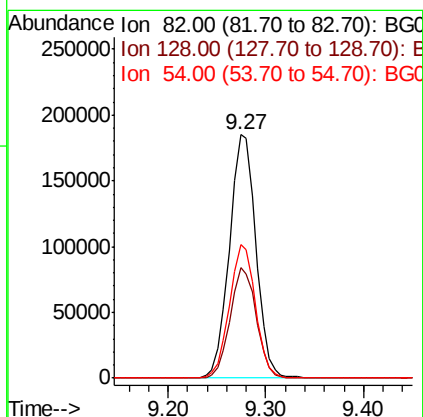
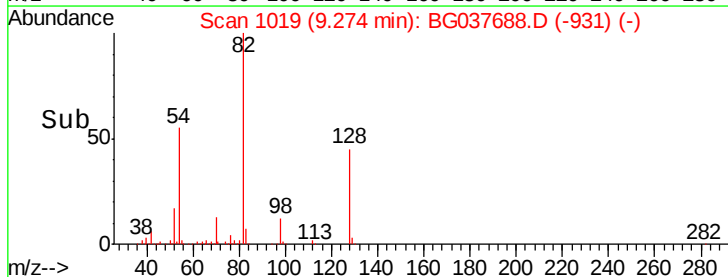
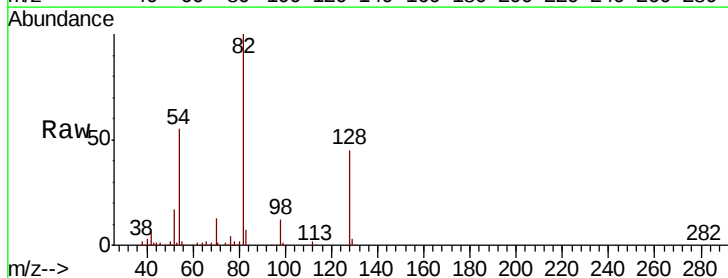
Instrument :
BNA_G
ClientSampleId :

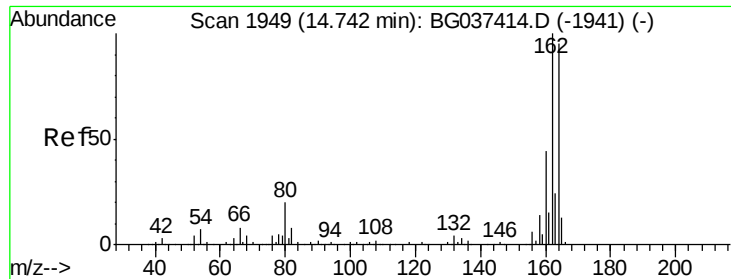
Tot Ion:136	Resp:	244448
Ion	Ratio	Lower Upper
136	100	
137	12.6	9.6 14.4
54	10.3	7.9 11.9
68	6.8	4.8 7.2



#23
Nitrobenzene-d5
Concen: 79.819 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037688.D
Acq: 31 Oct 2018 17:37

Tgt Ion: 82	Resp:	348303
Ion	Ratio	Lower Upper
82	100	
128	45.2	34.6 51.8
54	55.1	45.3 67.9

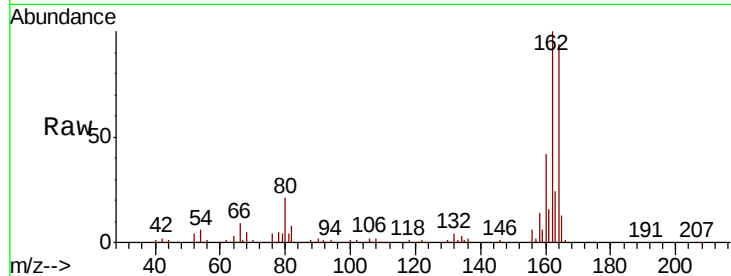




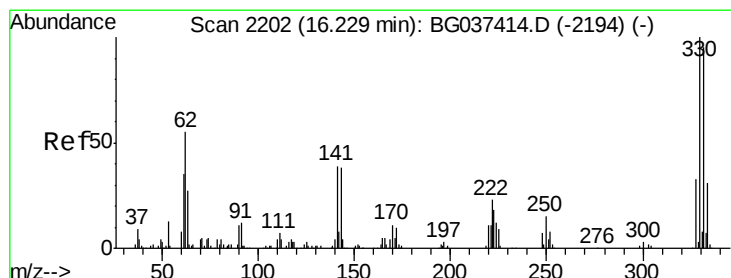
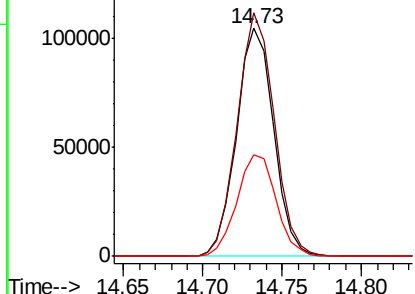
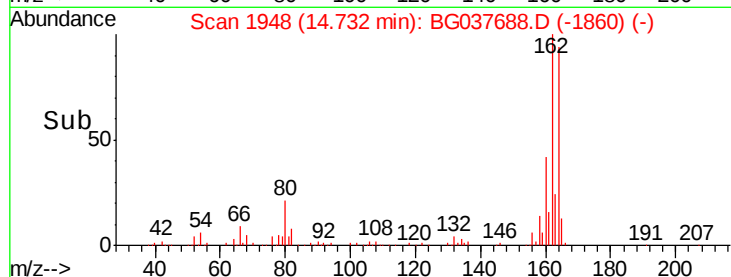
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037688.D
Acq: 31 Oct 2018 17:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.9	81.3	121.9
160	44.5	36.3	54.5

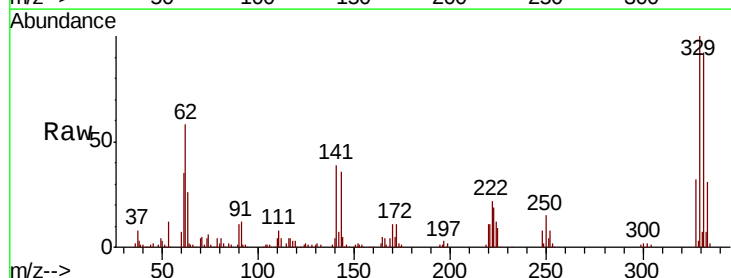


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

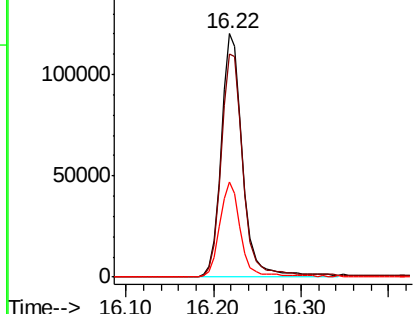
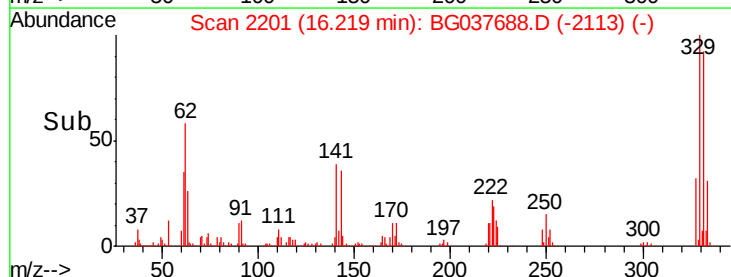


#42
2,4,6-Tribromophenol
Concen: 110.124 ng
RT: 16.22 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BG037688.D
Acq: 31 Oct 2018 17:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.4	78.4	117.6
141	37.9	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

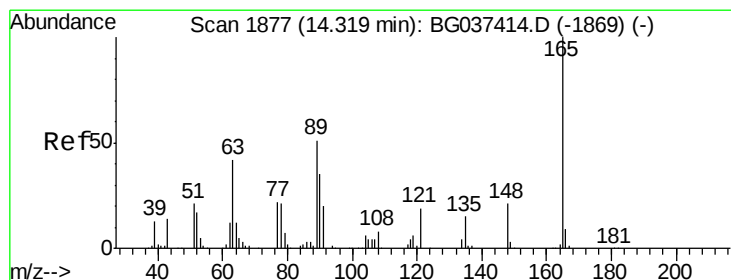
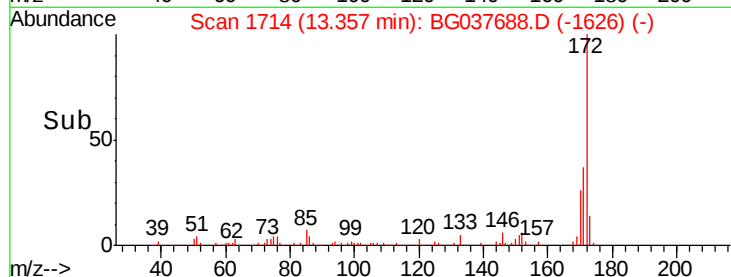
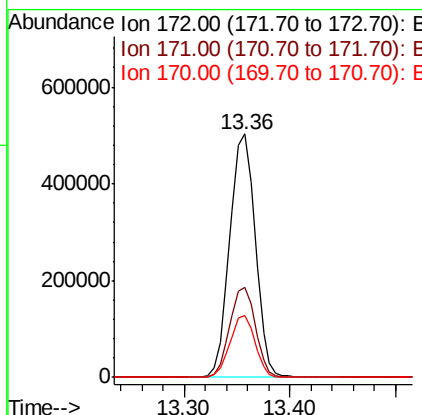
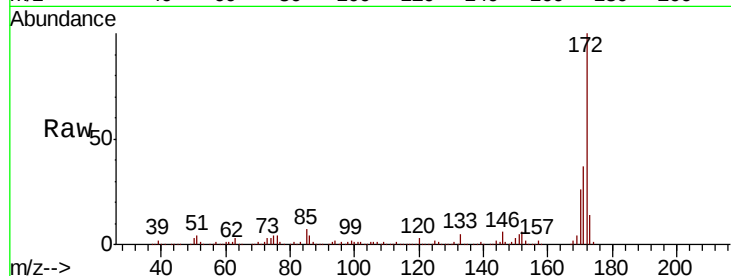




#45
 2-Fluorobiphenyl
 Concen: 74.387 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037688.D
 Acq: 31 Oct 2018 17:37

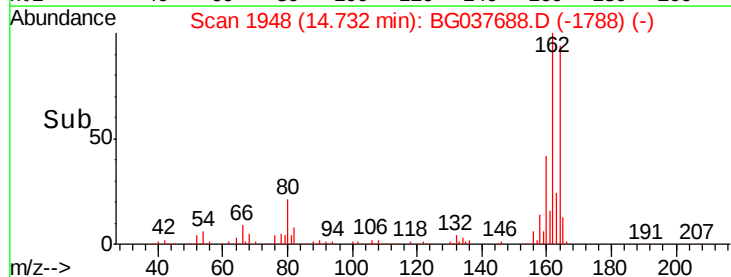
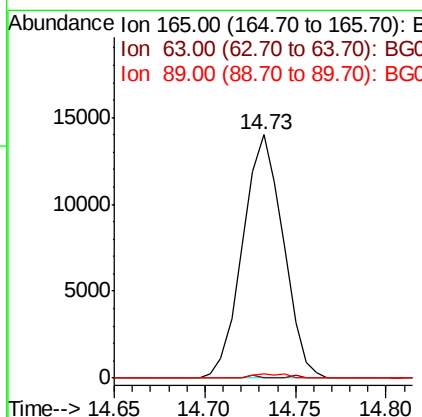
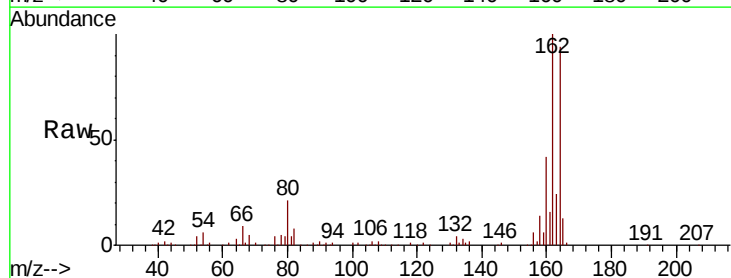
Instrument :
 BNA_G
 ClientSampleId :

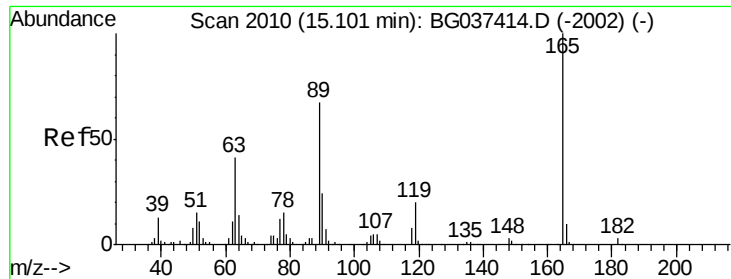
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.0	46.4
170	25.6	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.466 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037688.D
 Acq: 31 Oct 2018 17:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.6	45.8	68.6#





#57

2,4-Dinitrotoluene

Concen: 5.688 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037688.D

Acq: 31 Oct 2018 17:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 21761

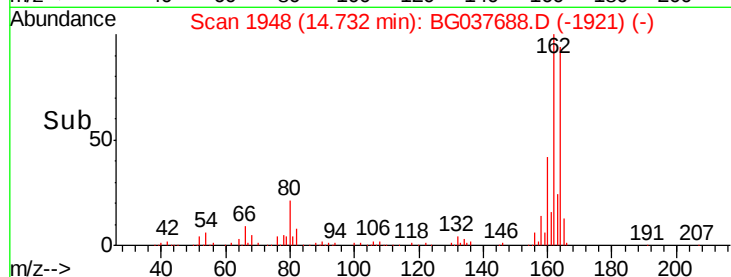
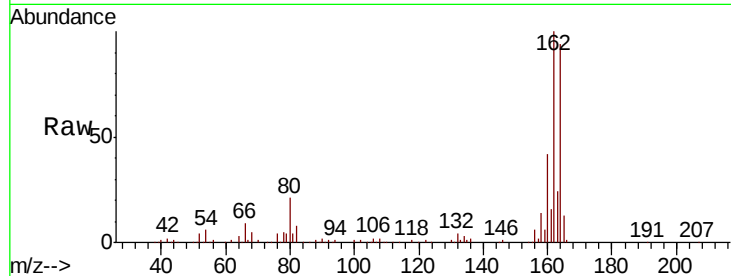
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 1.6 57.2 85.8#

182 0.0 2.6 4.0#

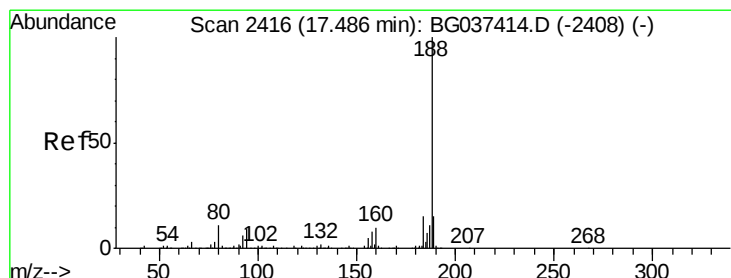
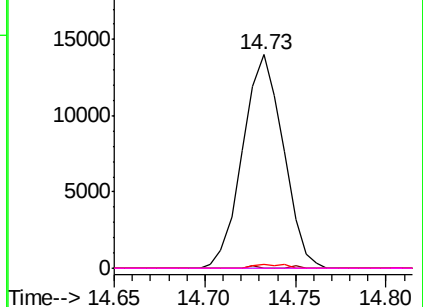


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2416

Delta R.T. -0.00 min

Lab File: BG037688.D

Acq: 31 Oct 2018 17:37

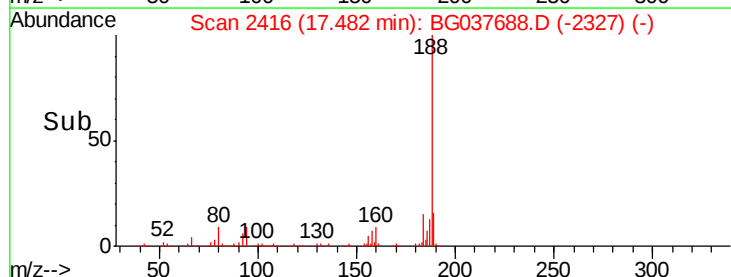
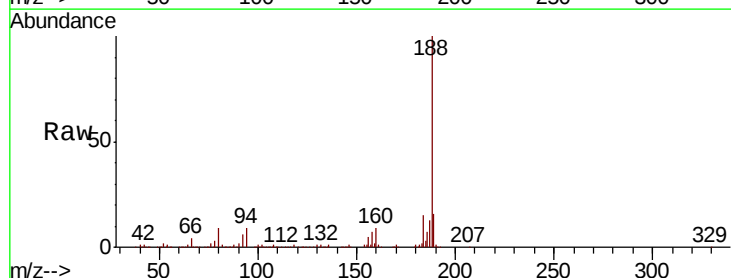
Tgt Ion:188 Resp: 405894

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

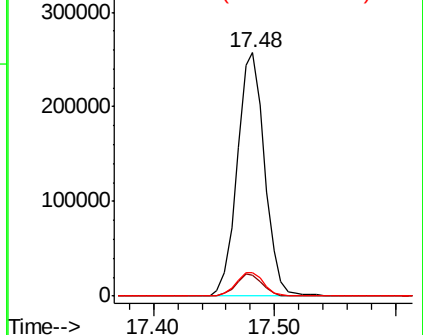
80 9.4 7.7 11.5



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

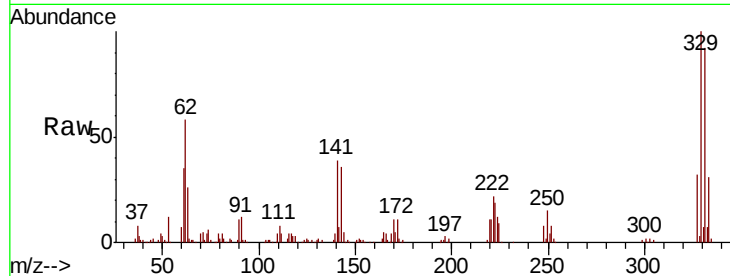




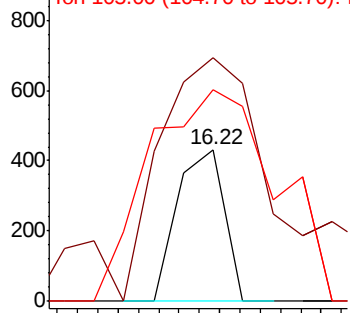
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.616 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.36 min
 Lab File: BG037688.D
 Acq: 31 Oct 2018 17:37

Instrument :
 BNA_G
 ClientSampleId :

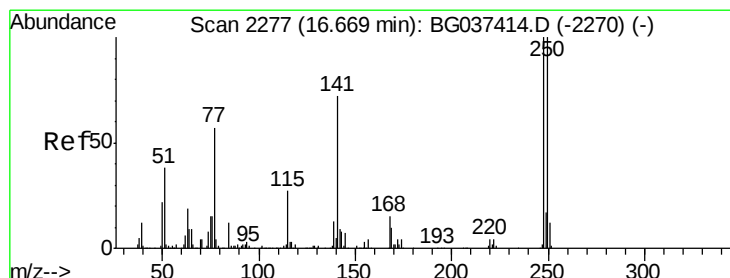
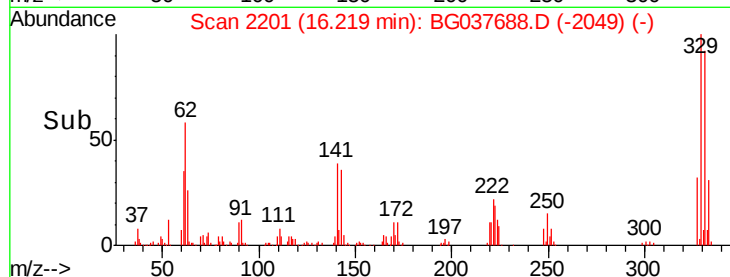
Tot Ion:198 Resp: 281
 Ion Ratio Lower Upper
 198 100
 51 28.2 22.7 62.7
 105 24.5 19.7 59.7



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

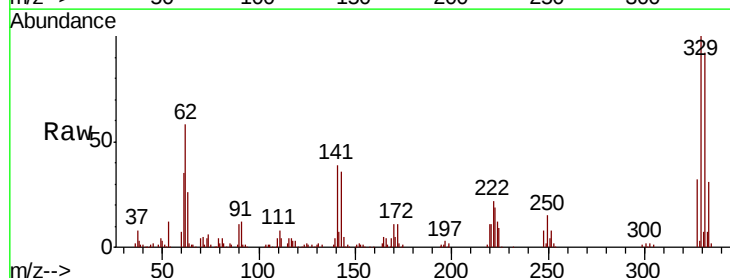


Time-->

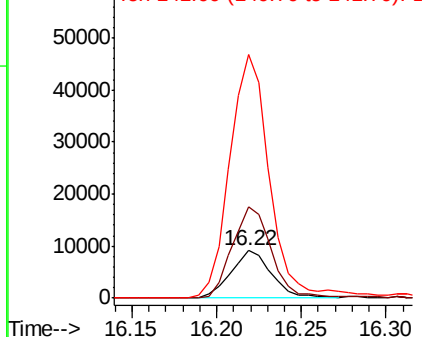


#67
 4-Bromophenyl-phenylether
 Concen: 3.406 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037688.D
 Acq: 31 Oct 2018 17:37

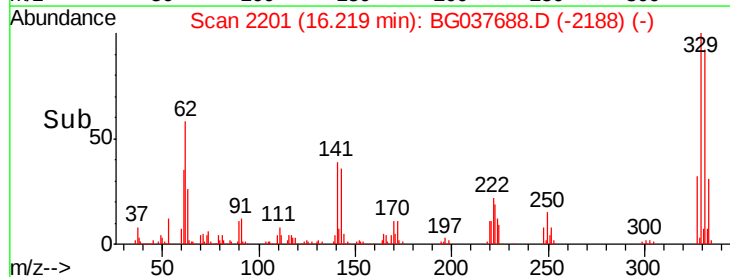
Tgt Ion:248 Resp: 15180
 Ion Ratio Lower Upper
 248 100
 250 188.4 77.0 115.6#
 141 395.0 55.5 83.3#

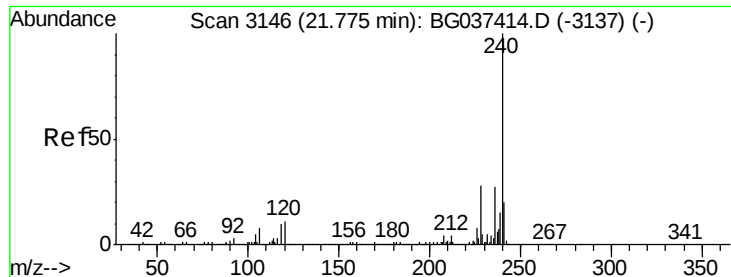


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

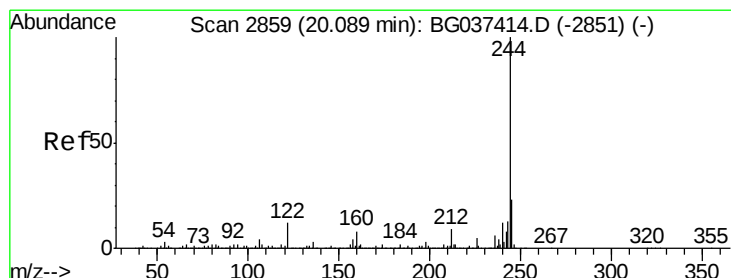
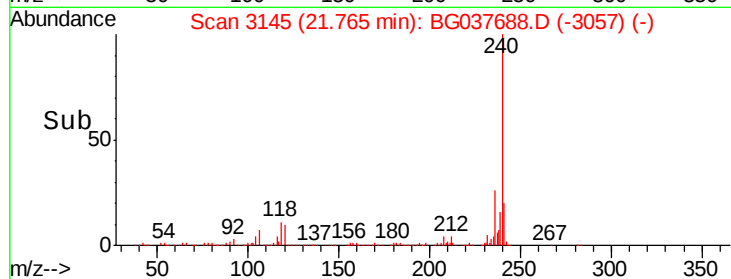
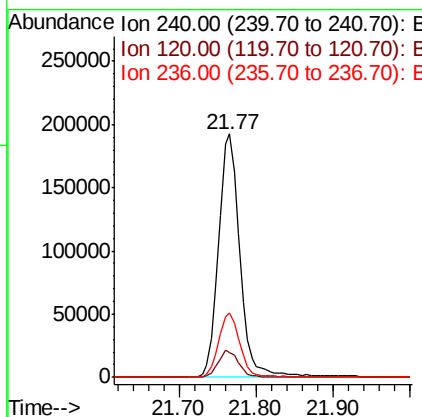
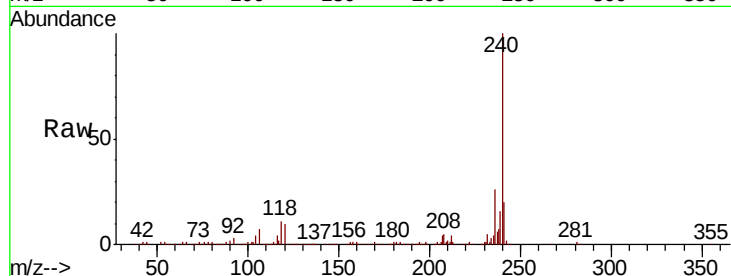




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037688.D
 Acq: 31 Oct 2018 17:37

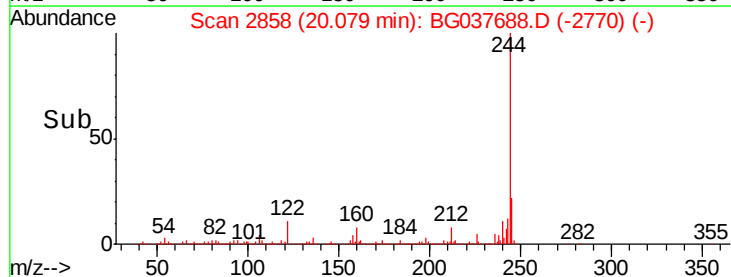
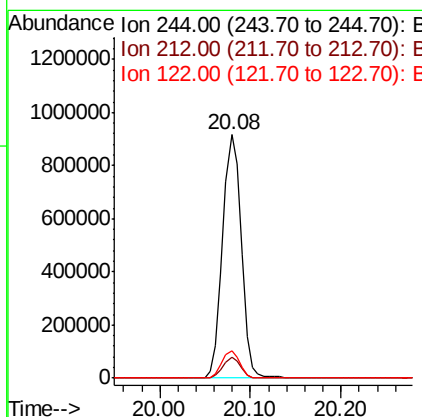
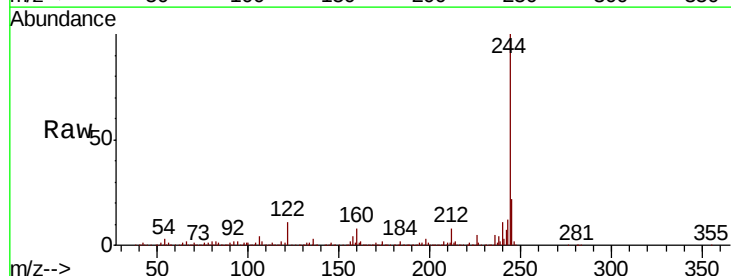
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:240 Resp: 371389
 Ion Ratio Lower Upper
 240 100
 120 10.1 8.1 12.1
 236 26.5 21.4 32.0



#79
 Terphenyl-d14
 Concen: 75.695 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG037688.D
 Acq: 31 Oct 2018 17:37

Tgt Ion:244 Resp: 1315640
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 11.3 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037688.D
Acq: 31 Oct 2018 17:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 264 Resp: 338873

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	22.4	17.9	26.9

