

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037546.D
 Acq On : 25 Oct 2018 15:41
 Operator : JU/SJ
 Sample : PB114161BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 26 08:04:31 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

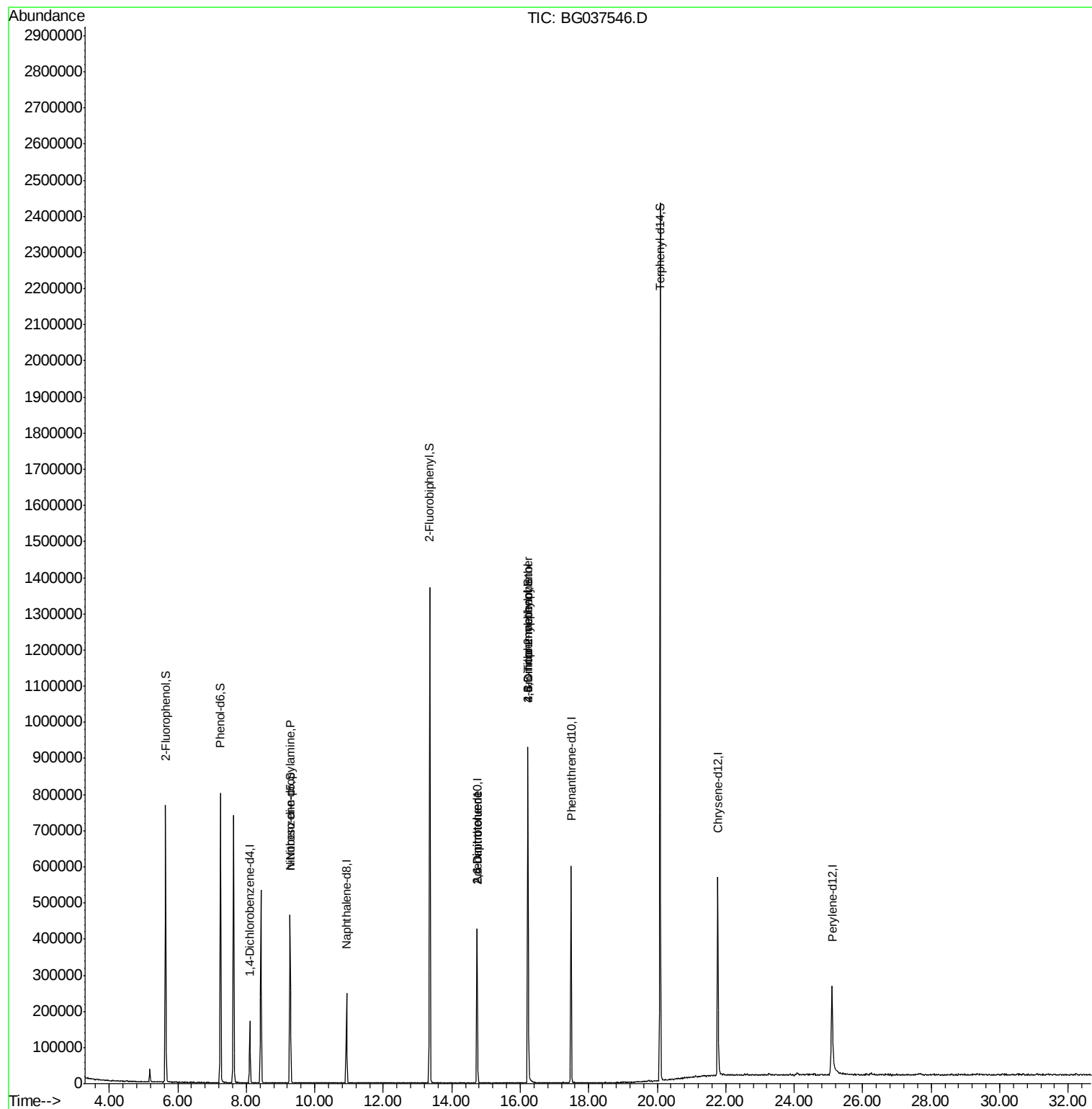
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50215	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	224247	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	159059	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	388962	20.00	ng	0.00
76) Chrysene-d12	21.77	240	356273	20.00	ng	0.00
87) Perylene-d12	25.10	264	322361	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	353669	117.75	ng	0.00
7) Phenol-d6	7.25	99	512378	112.82	ng	0.00
23) Nitrobenzene-d5	9.28	82	292139	72.98	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	175334	101.07	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	742989	70.44	ng	0.00
79) Terphenyl-d14	20.08	244	1185373	71.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	36296	11.605	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	20438	7.508	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	20438	5.720	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.21	198	430	8.681	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	12437	2.912	ng	# 1

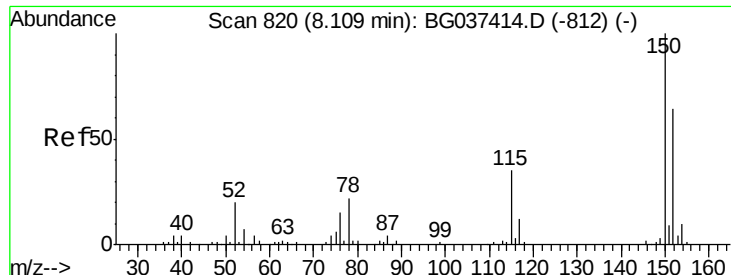
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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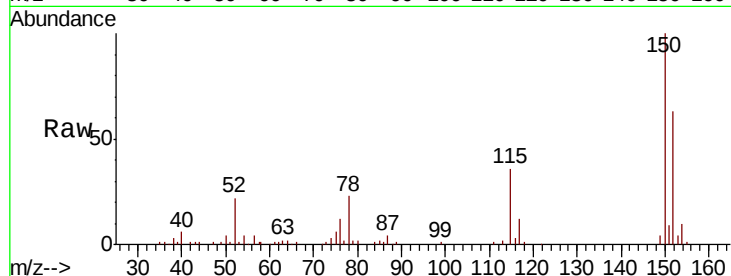


#1

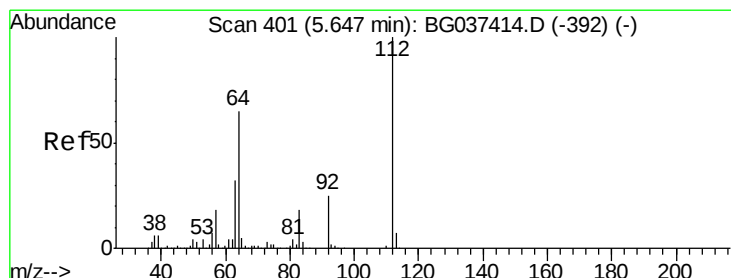
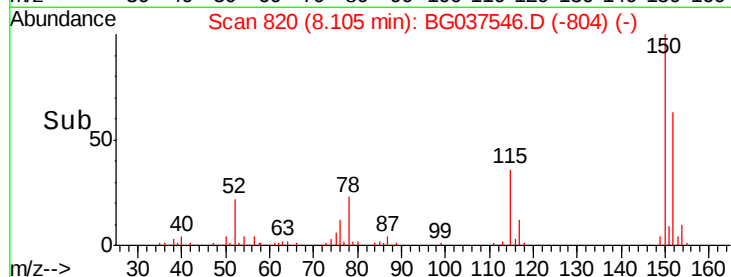
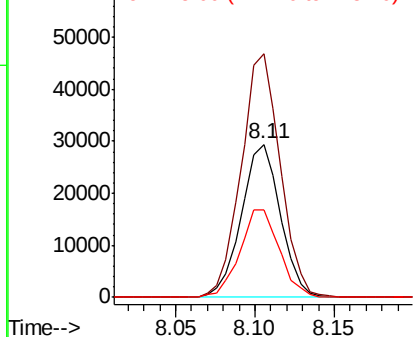
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037546.D
Acq: 25 Oct 2018 15:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50215
Ion Ratio Lower Upper
152 100
150 159.1 126.0 189.0
115 57.4 45.5 68.3



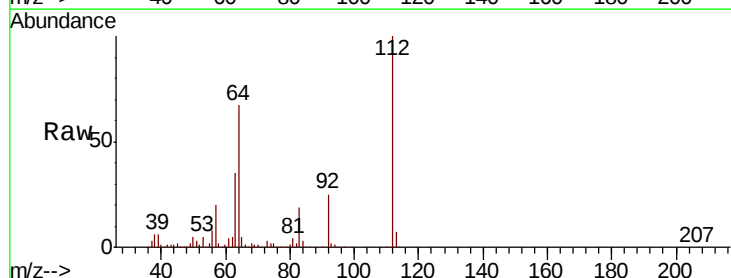
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



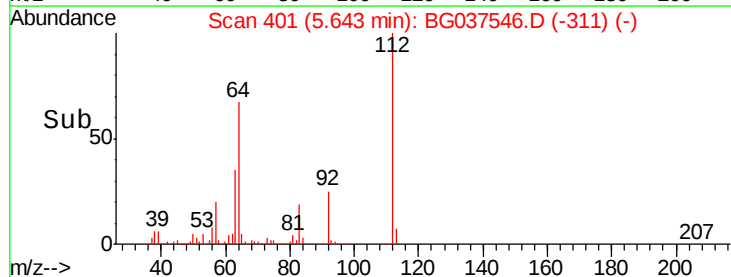
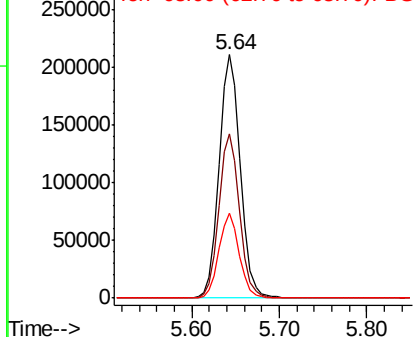
#5

2-Fluorophenol
Concen: 117.750 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037546.D
Acq: 25 Oct 2018 15:41

Tgt Ion:112 Resp: 353669
Ion Ratio Lower Upper
112 100
64 67.2 53.1 79.7
63 34.8 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: 112.815 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

Instrument :

BNA_G

ClientSampleId :

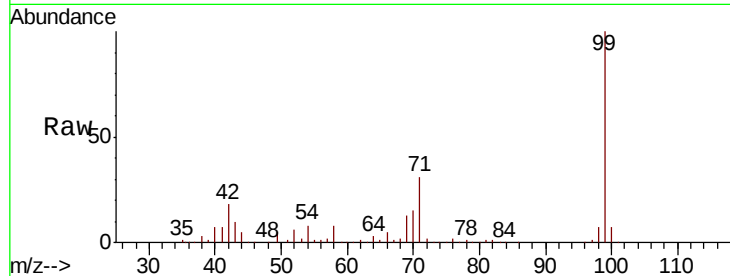
Tot Ion: 99 Resp: 512378

Ion Ratio Lower Upper

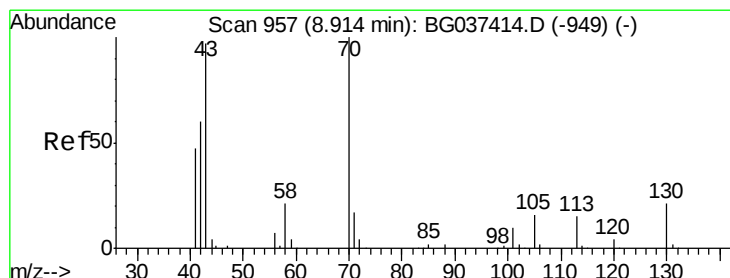
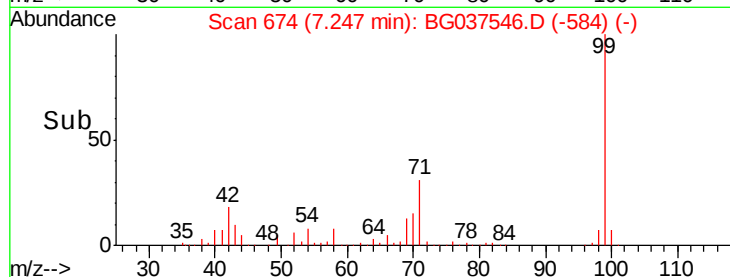
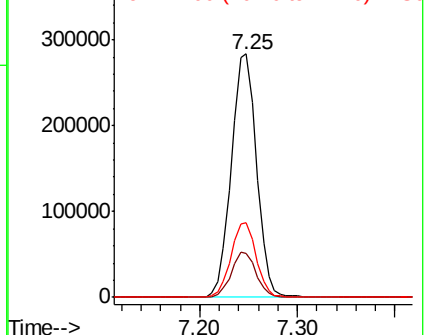
99 100

42 18.1 15.0 22.4

71 30.7 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: 11.605 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

Tgt Ion: 70 Resp: 36296

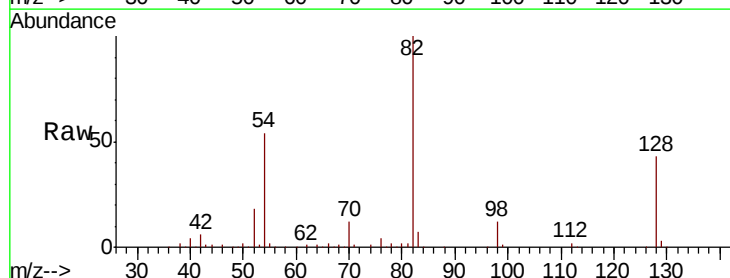
Ion Ratio Lower Upper

70 100

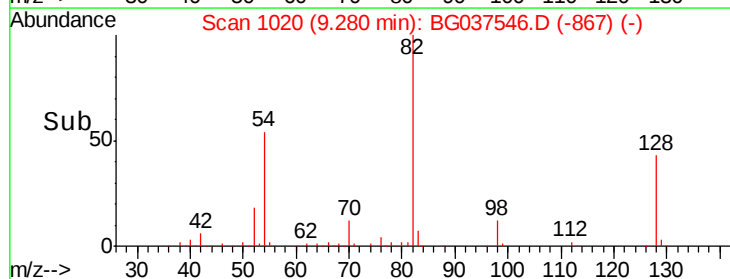
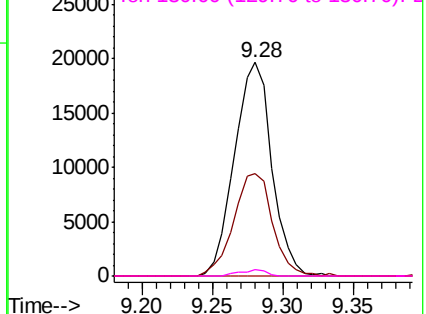
42 47.9 53.9 80.9#

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

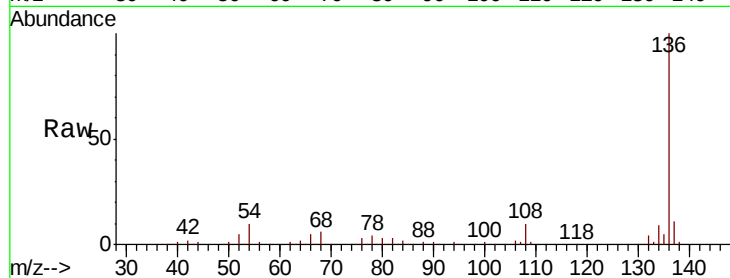




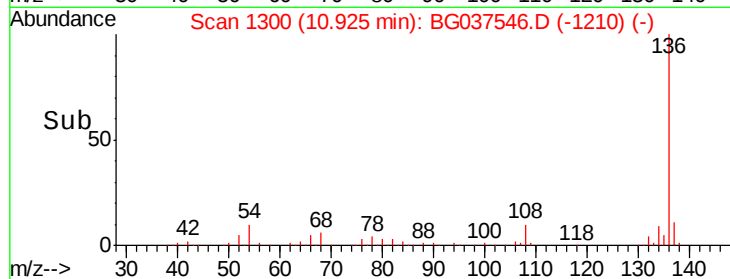
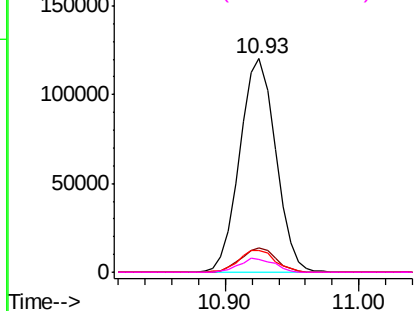
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037546.D
Acq: 25 Oct 2018 15:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	224247
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.6 14.4
54	10.5	7.9 11.9
68	5.8	4.8 7.2

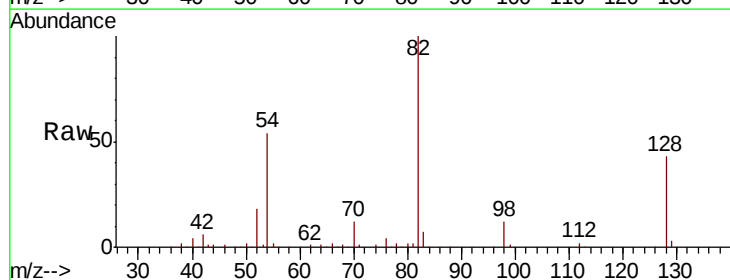


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

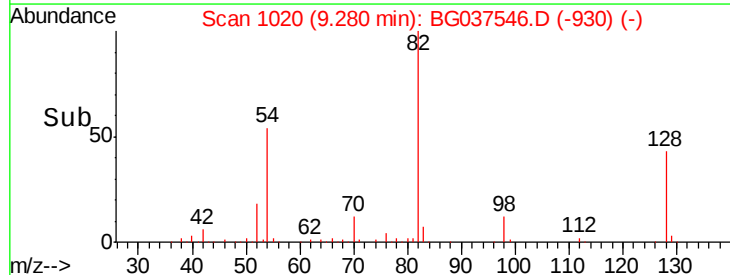
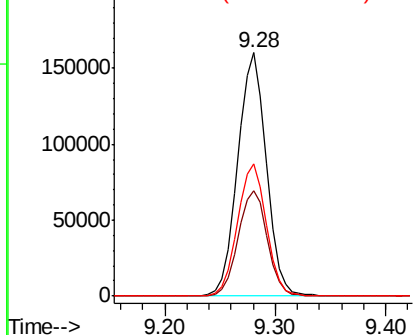


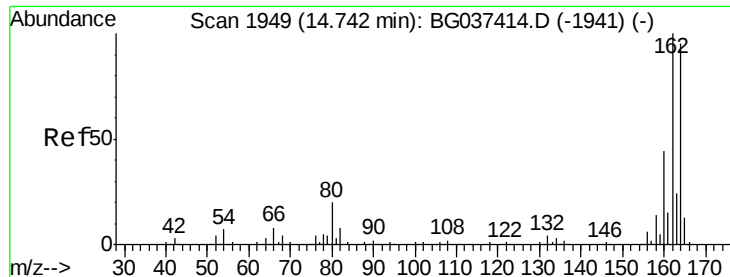
#23
Nitrobenzene-d5
Concen: 72.979 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037546.D
Acq: 25 Oct 2018 15:41

Tgt Ion: 82	Resp:	292139
Ion	Ratio	Lower Upper
82	100	
128	43.4	34.6 51.8
54	54.4	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: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

Instrument :

BNA_G

ClientSampleId :

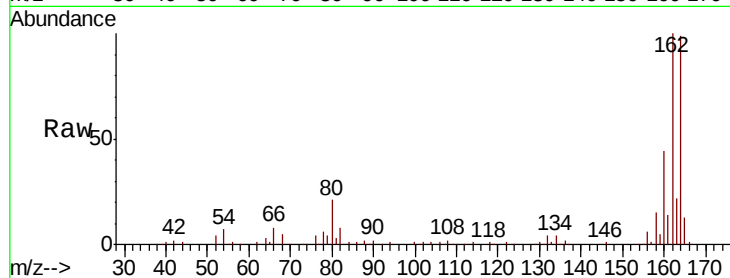
Tot Ion:164 Resp: 159059

Ion Ratio Lower Upper

164 100

162 101.2 81.3 121.9

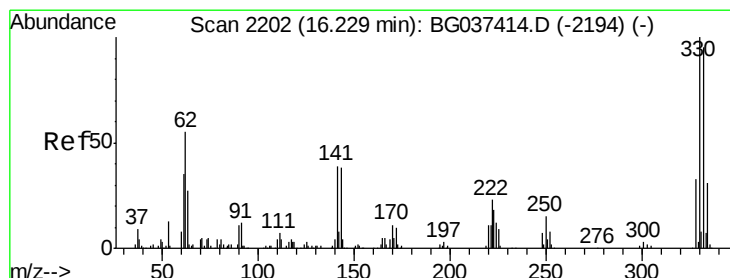
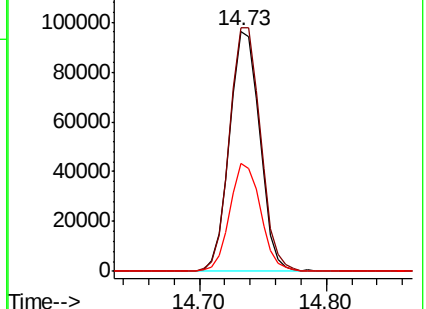
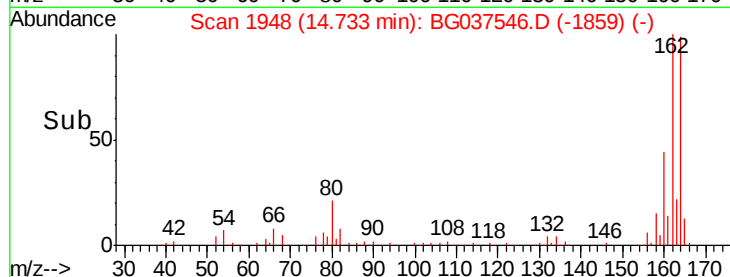
160 44.9 36.3 54.5



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: 101.066 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

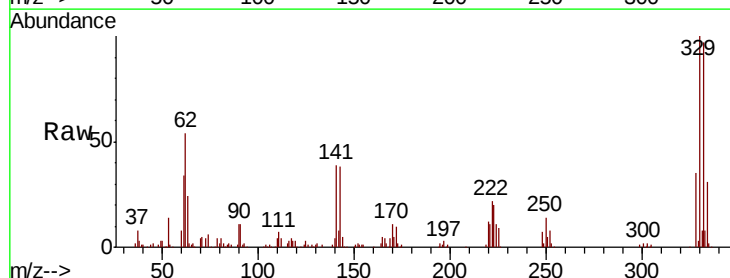
Tgt Ion:330 Resp: 175334

Ion Ratio Lower Upper

330 100

332 95.8 78.4 117.6

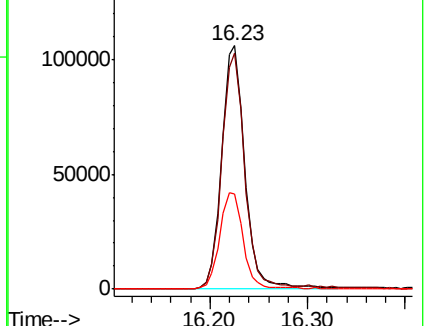
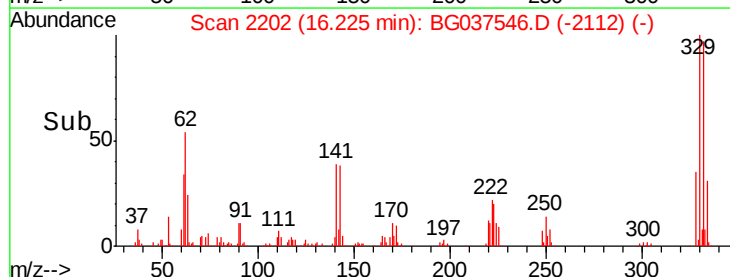
141 40.4 32.2 48.2

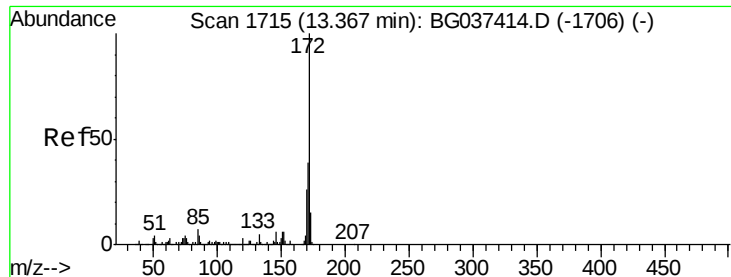


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

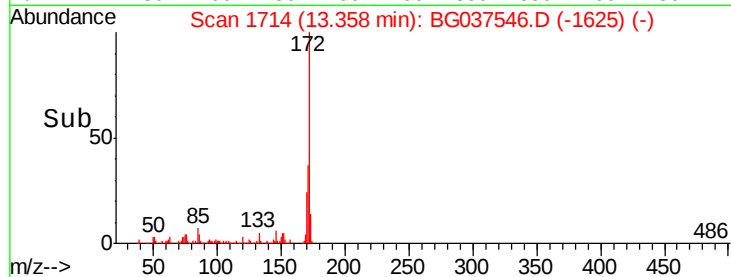
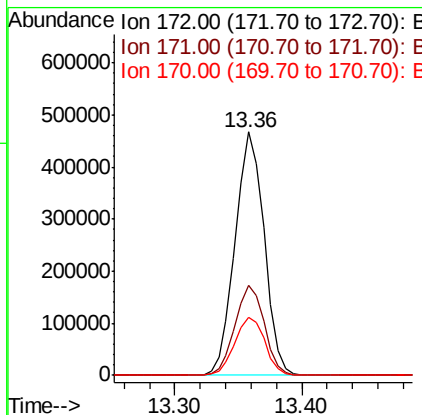
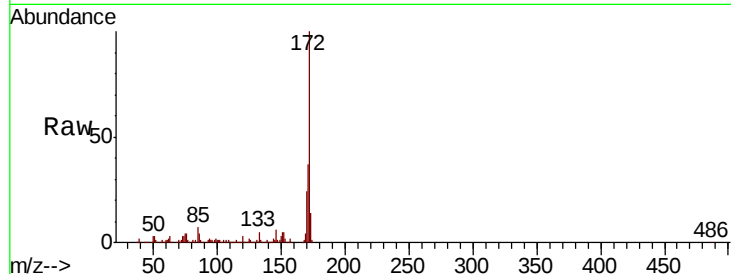




#45
2-Fluorobiphenyl
Concen: 70.438 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037546.D
Acq: 25 Oct 2018 15:41

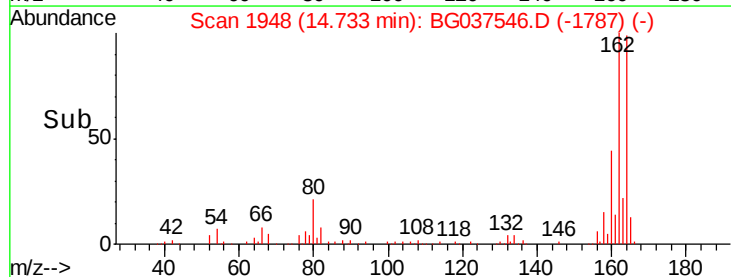
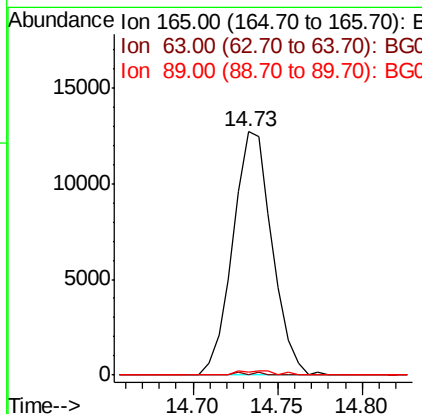
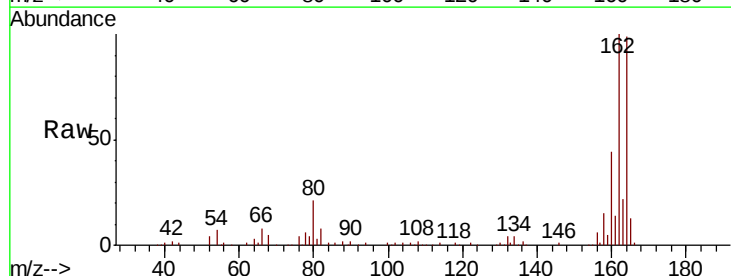
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	24.0	20.2	30.2



#51
2,6-Dinitrotoluene
Concen: 7.508 ng
RT: 14.73 min Scan# 1948
Delta R.T. 0.41 min
Lab File: BG037546.D
Acq: 25 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.2	45.8	68.6#

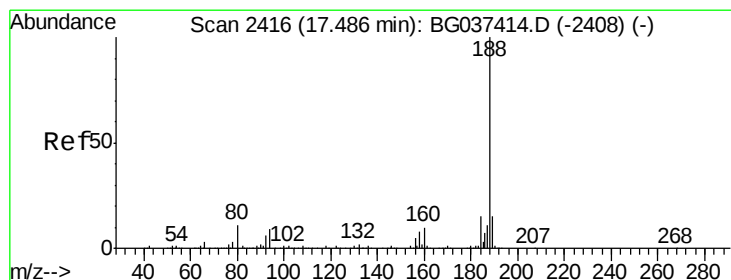
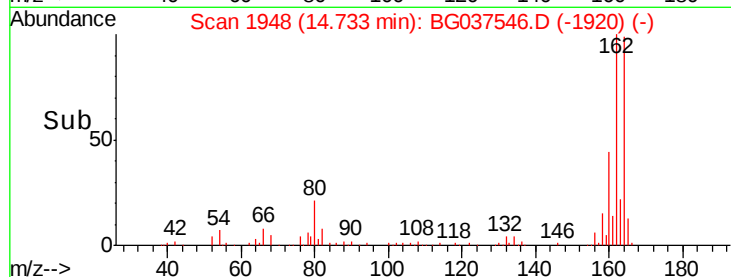
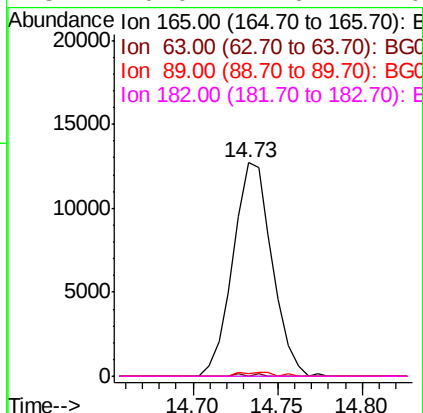
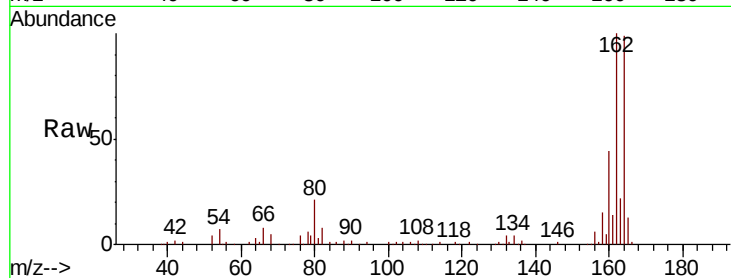




#57
 2,4-Dinitrotoluene
 Concen: 5.720 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037546.D
 Acq: 25 Oct 2018 15:41

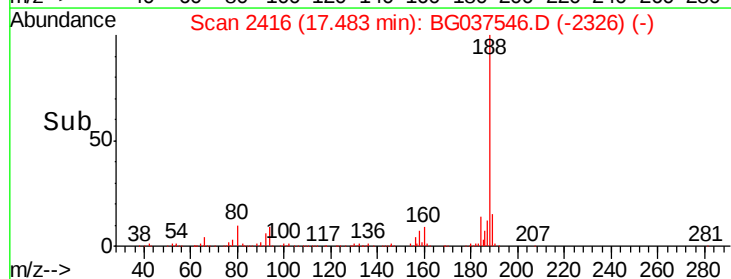
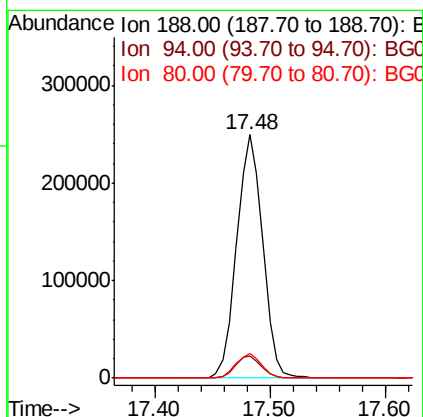
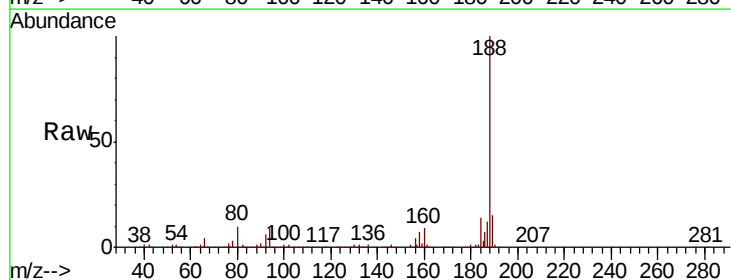
Instrument :
 BNA_G
 ClientSampleId :

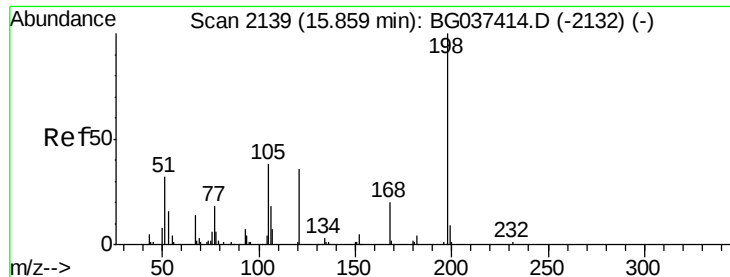
Tot Ion:165	Resp:	20438
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	1.2	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037546.D
 Acq: 25 Oct 2018 15:41

Tgt Ion:188	Resp:	388962
Ion Ratio	Lower	Upper
188	100	
94	9.3	7.2 10.8
80	10.3	7.7 11.5

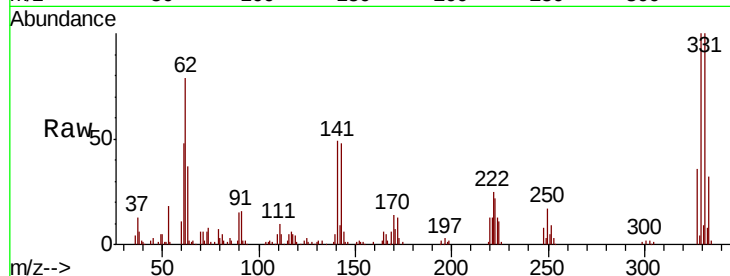




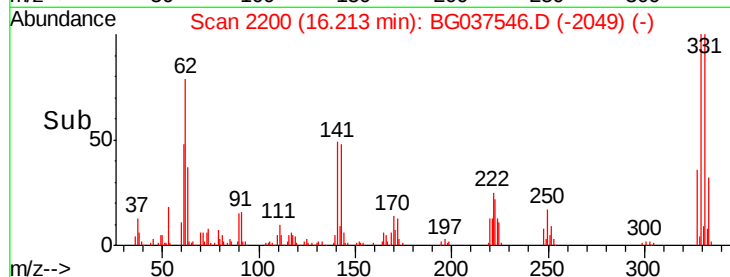
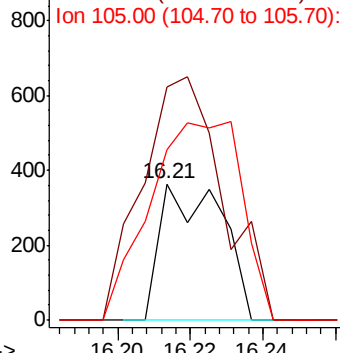
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.681 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. 0.36 min
 Lab File: BG037546.D
 Acq: 25 Oct 2018 15:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 430
 Ion Ratio Lower Upper
 198 100
 51 171.3 22.7 62.7#
 105 125.1 19.7 59.7#

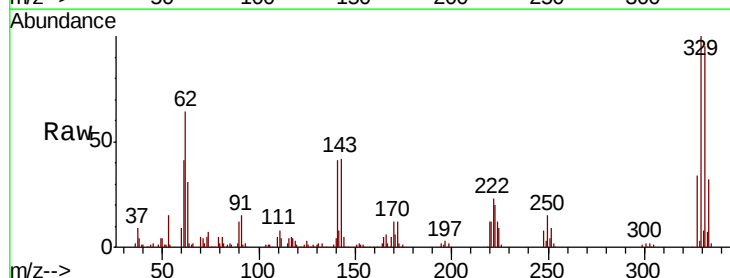


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

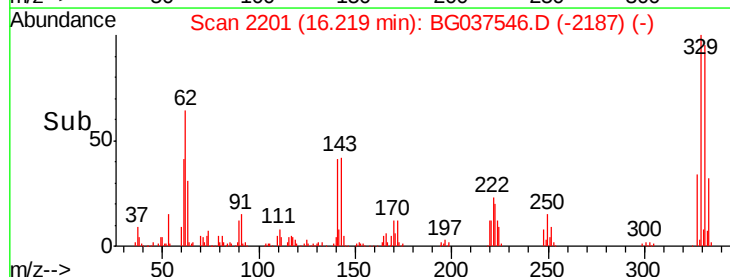
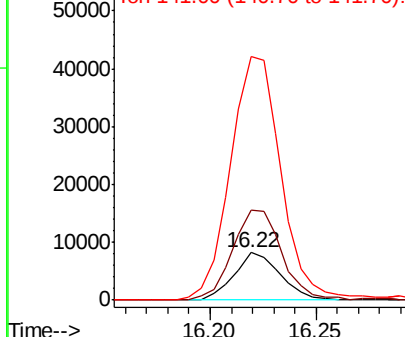


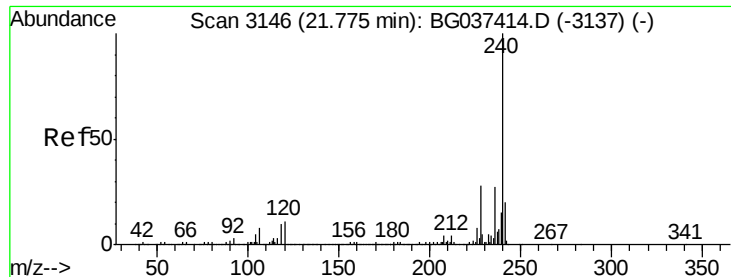
#67
 4-Bromophenyl-phenylether
 Concen: 2.912 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037546.D
 Acq: 25 Oct 2018 15:41

Tgt Ion:248 Resp: 12437
 Ion Ratio Lower Upper
 248 100
 250 184.1 77.0 115.6#
 141 390.5 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

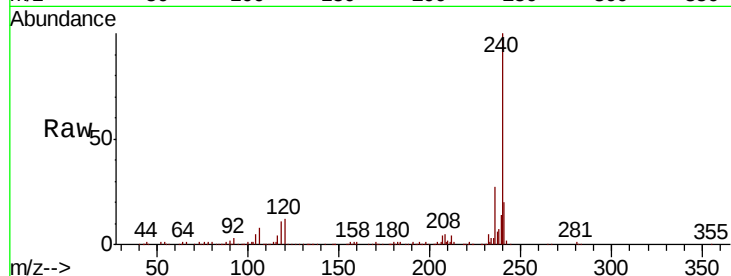




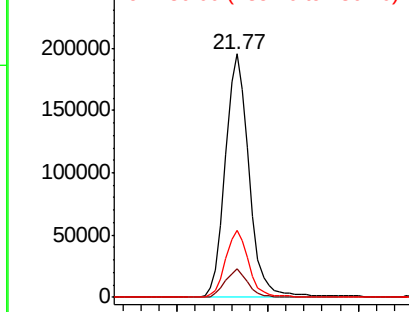
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037546.D
 Acq: 25 Oct 2018 15:41

Instrument :
 BNA_G
 ClientSampled :

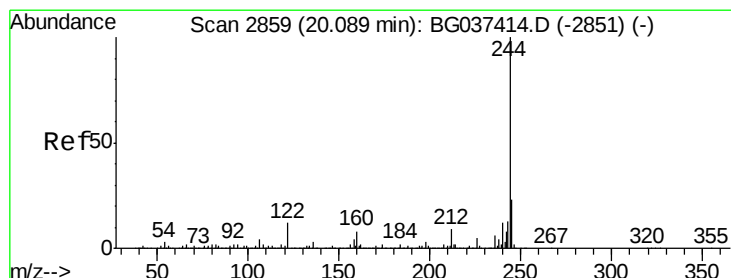
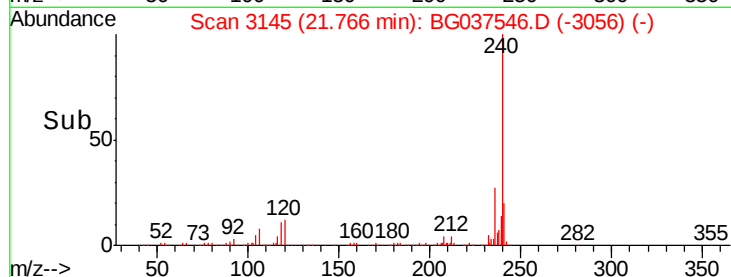
Tot Ion:240 Resp: 356273
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.1 12.1
 236 27.3 21.4 32.0



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

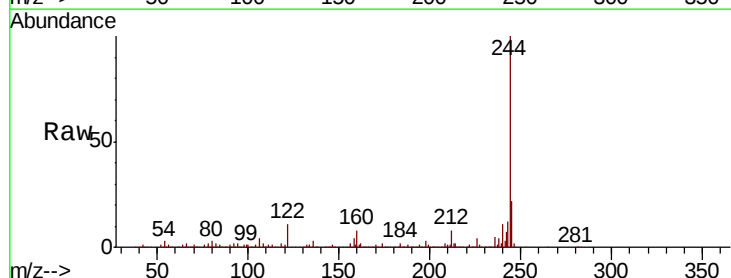


Time--> 21.70 21.80 21.90

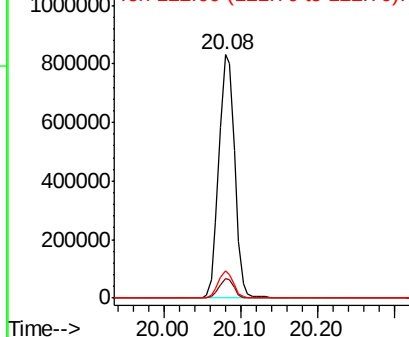


#79
 Terphenyl-d14
 Concen: 71.093 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG037546.D
 Acq: 25 Oct 2018 15:41

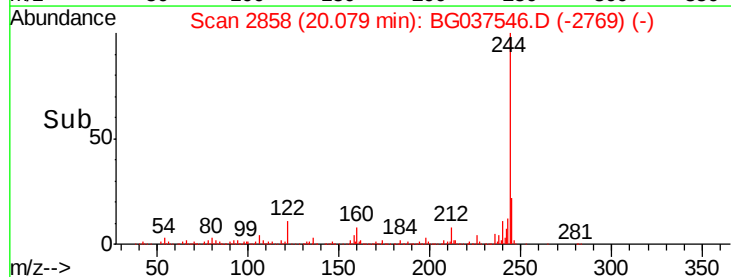
Tgt Ion:244 Resp: 1185373
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 11.4 9.0 13.4

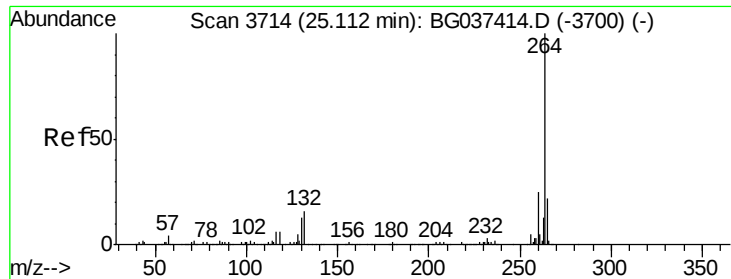


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10 20.20





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037546.D
Acq: 25 Oct 2018 15:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	21.9	17.9	26.9

