

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
 Data File : BG037696.D
 Acq On : 31 Oct 2018 22:52
 Operator : JU/SJ
 Sample : J5202-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 07:04:25 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

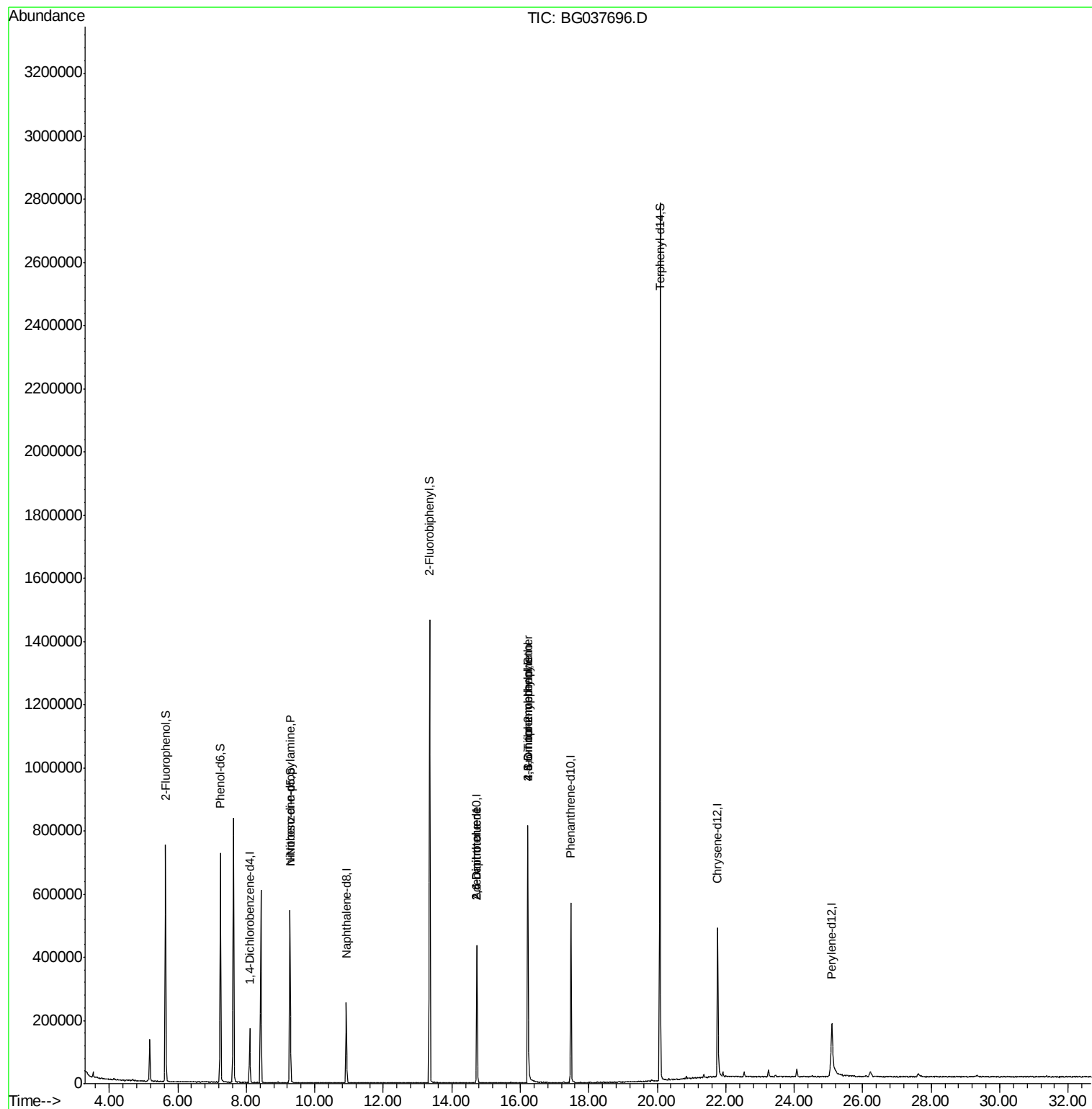
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	50812	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	229149	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	156661	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	372375	20.00	ng	0.00
76) Chrysene-d12	21.76	240	337515	20.00	ng	-0.01
87) Perylene-d12	25.10	264	266543	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	353095	116.18	ng	0.00
7) Phenol-d6	7.24	99	457755	99.60	ng	0.00
23) Nitrobenzene-d5	9.28	82	344661	84.26	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	167102	97.80	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	821909	79.11	ng	-0.01
79) Terphenyl-d14	20.08	244	1299750	82.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	42192	13.332	ng	# 71
51) 2,6-Dinitrotoluene	14.73	165	19861	7.408	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	19861	5.643	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.23	198	478	8.709	ng	78
67) 4-Bromophenyl-phenylether	16.22	248	12369	3.025	ng	# 1

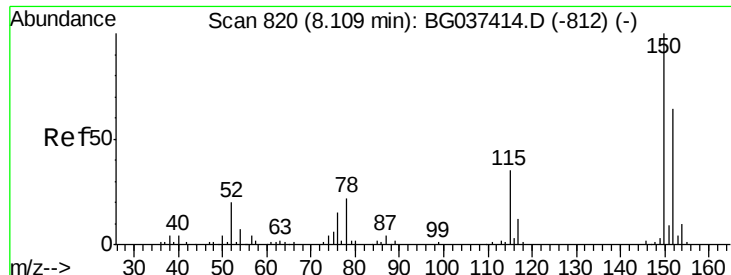
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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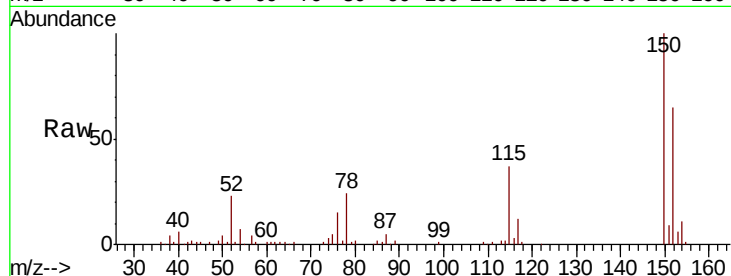


#1

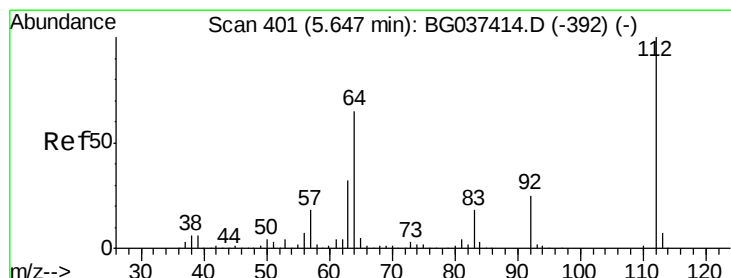
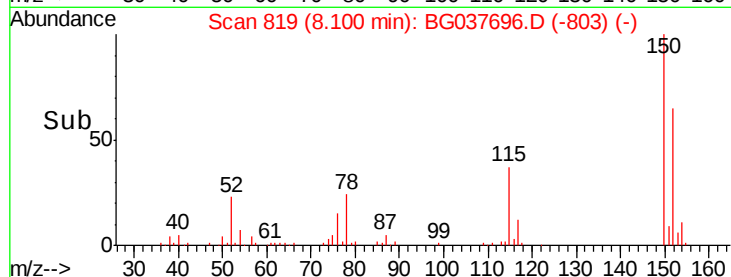
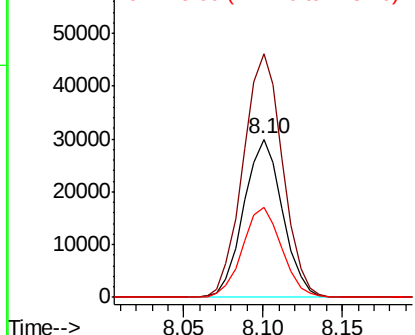
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037696.D
Acq: 31 Oct 2018 22:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50812
Ion Ratio Lower Upper
152 100
150 153.9 126.0 189.0
115 56.6 45.5 68.3



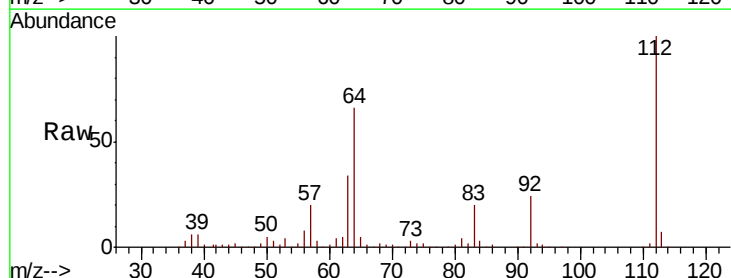
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



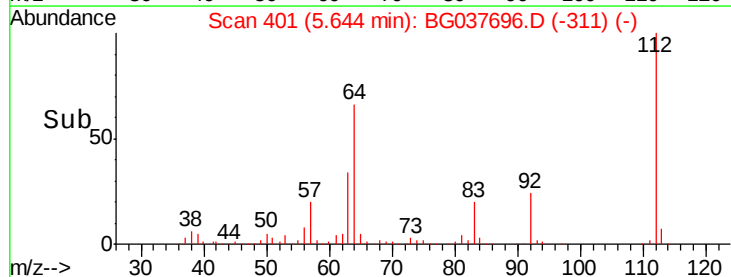
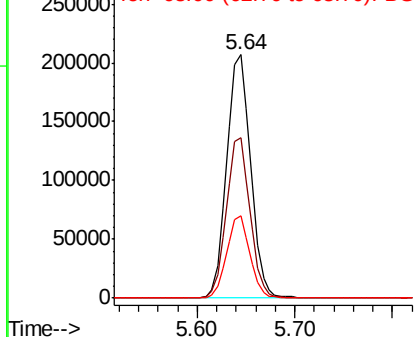
#5

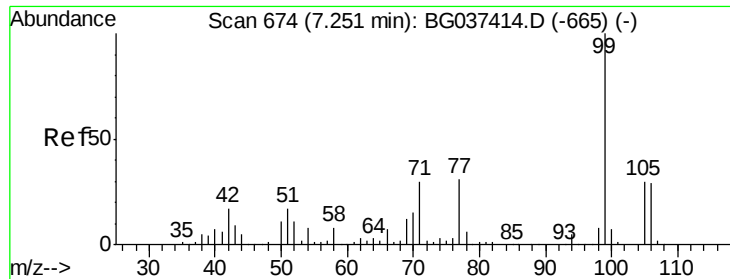
2-Fluorophenol
Concen: 116.178 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037696.D
Acq: 31 Oct 2018 22:52

Tgt Ion:112 Resp: 353095
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 33.6 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: 99.604 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037696.D

Acq: 31 Oct 2018 22:52

Instrument :

BNA_G

ClientSampleId :

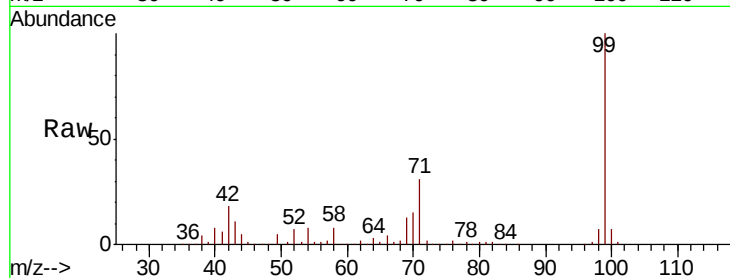
Tot Ion: 99 Resp: 457755

Ion Ratio Lower Upper

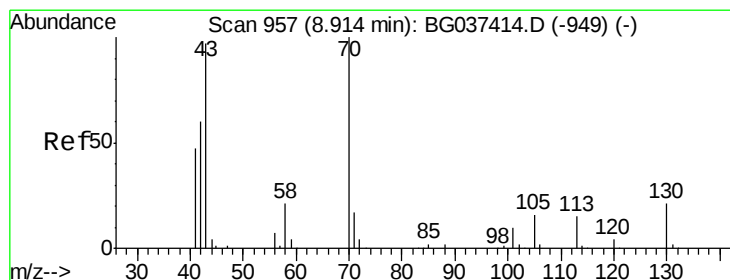
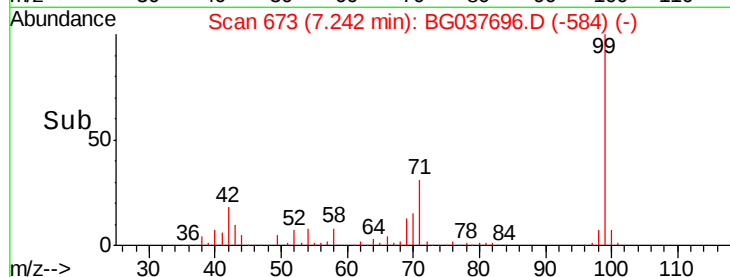
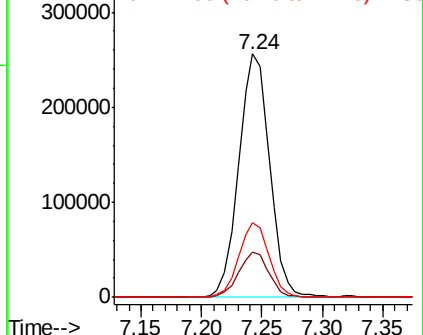
99 100

42 18.3 15.0 22.4

71 30.9 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: 13.332 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037696.D

Acq: 31 Oct 2018 22:52

Tgt Ion: 70 Resp: 42192

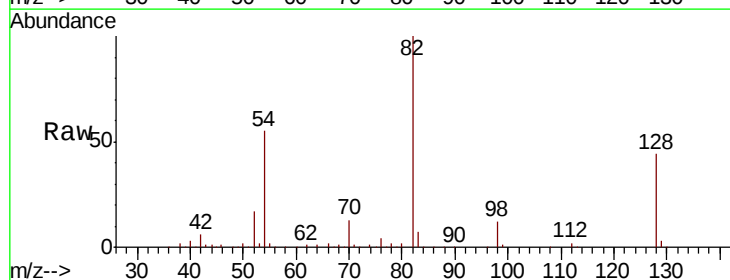
Ion Ratio Lower Upper

70 100

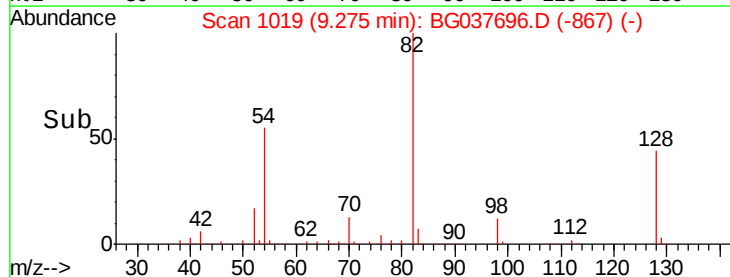
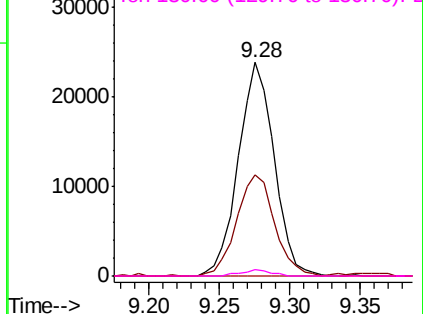
42 47.2 53.9 80.9#

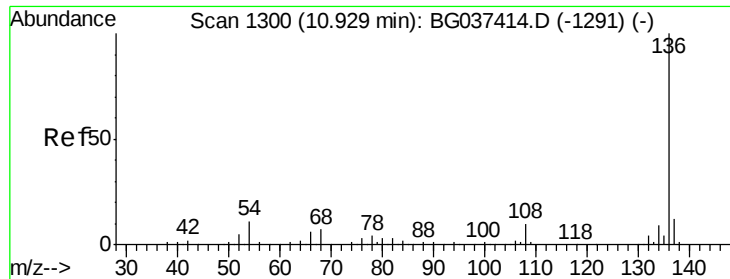
101 0.0 8.2 12.2#

130 3.0 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

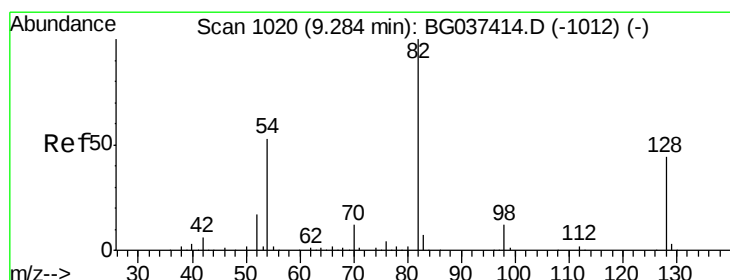
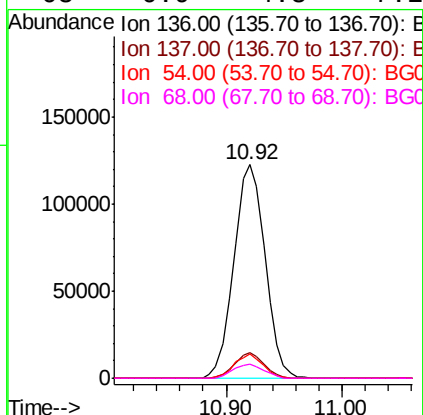
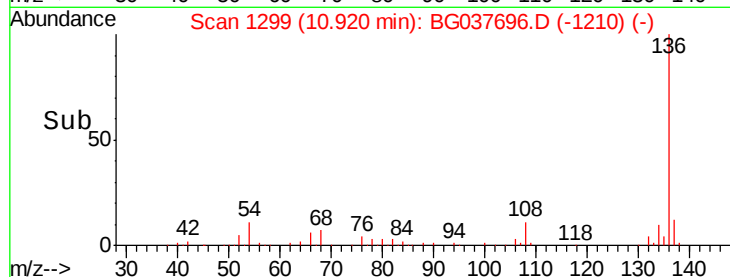
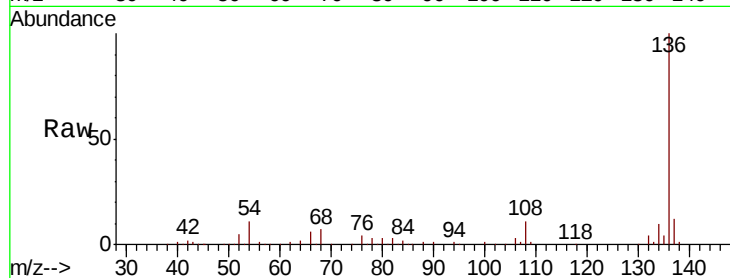




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037696.D
Acq: 31 Oct 2018 22:52

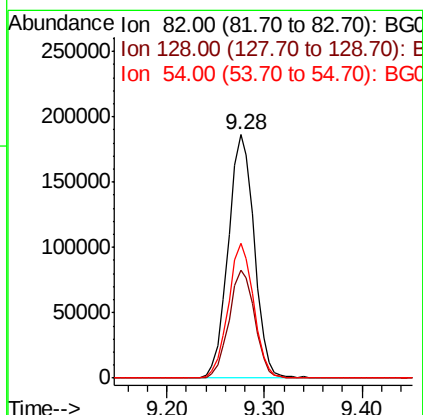
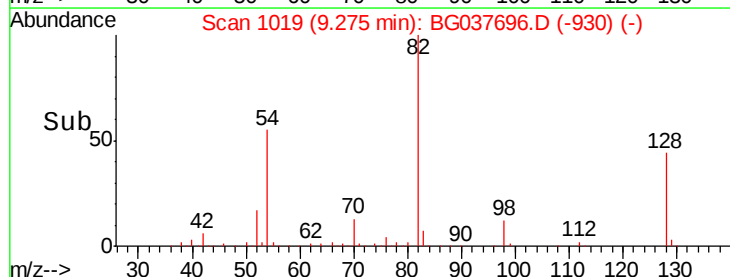
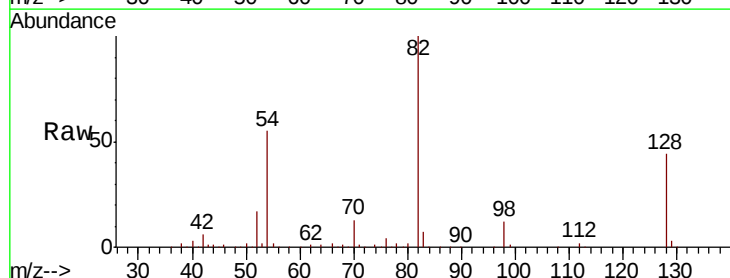
Instrument :
BNA_G
ClientSampleId :

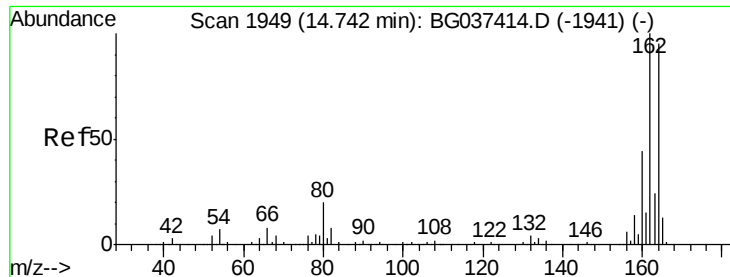
Tot Ion:136	Resp:	229149
Ion Ratio	Lower	Upper
136 100		
137 12.2	9.6	14.4
54 11.3	7.9	11.9
68 6.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 84.258 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037696.D
Acq: 31 Oct 2018 22:52

Tgt	Ion: 82	Resp:	344661
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.6	51.8
54	55.3	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: BG037696.D

Acq: 31 Oct 2018 22:52

Instrument :

BNA_G

ClientSampleId :

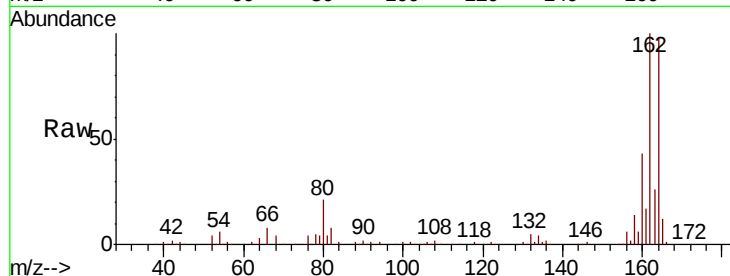
Tot Ion:164 Resp: 156661

Ion Ratio Lower Upper

164 100

162 102.5 81.3 121.9

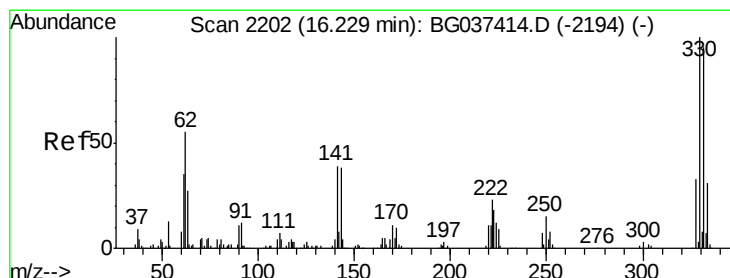
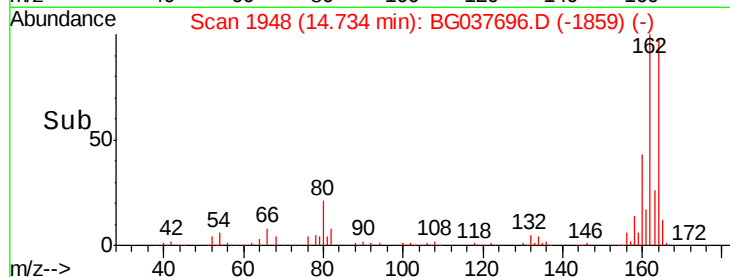
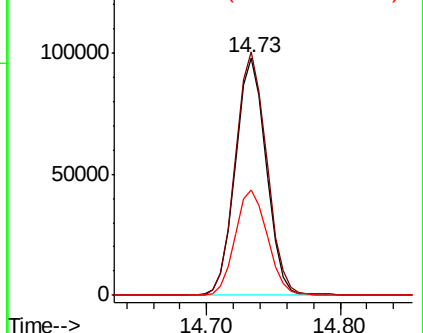
160 44.3 36.3 54.5



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: 97.796 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037696.D

Acq: 31 Oct 2018 22:52

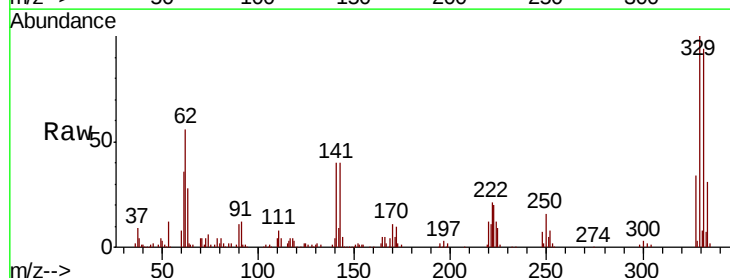
Tgt Ion:330 Resp: 167102

Ion Ratio Lower Upper

330 100

332 96.6 78.4 117.6

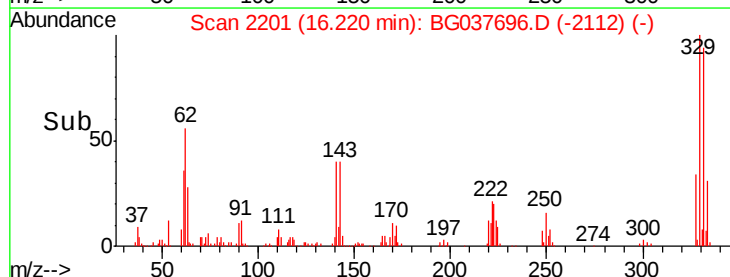
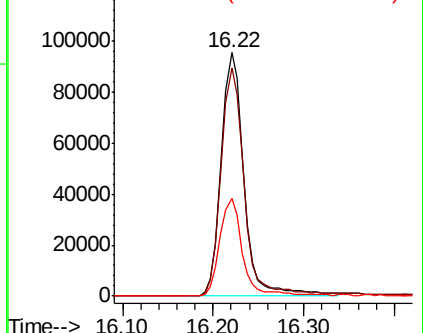
141 40.0 32.2 48.2

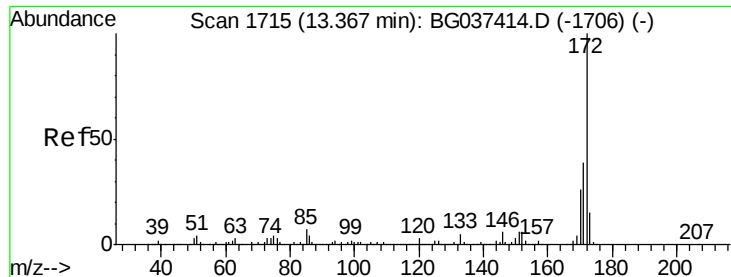


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

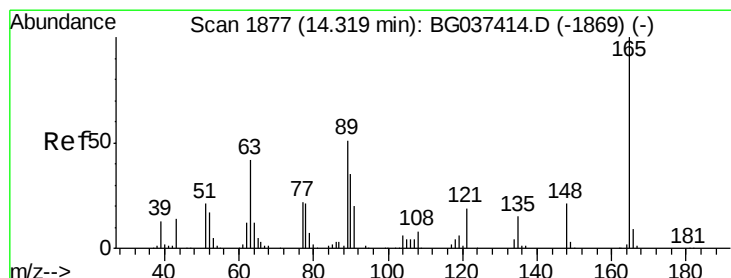
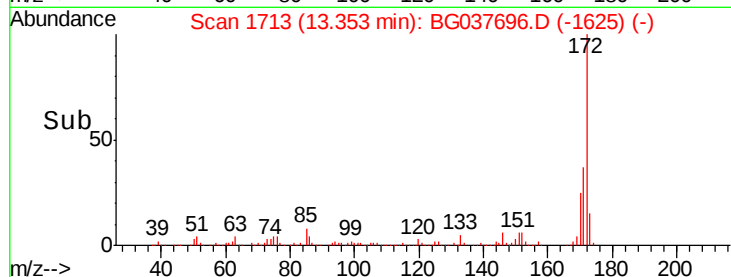
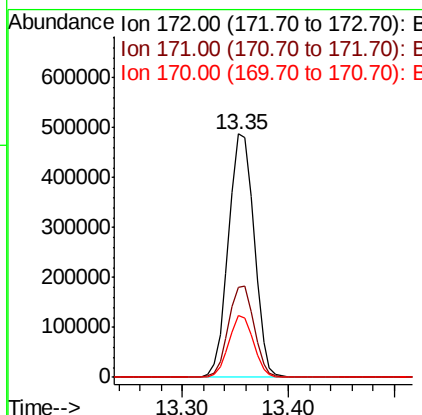
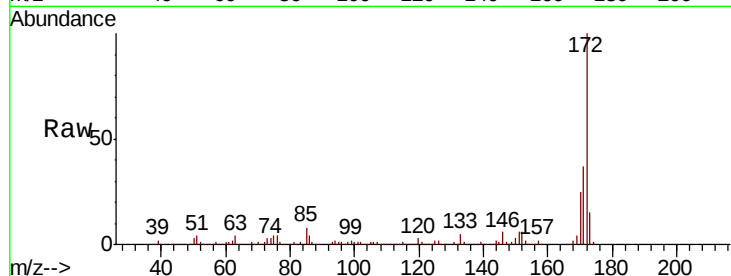




#45
 2-Fluorobiphenyl
 Concen: 79.113 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037696.D
 Acq: 31 Oct 2018 22:52

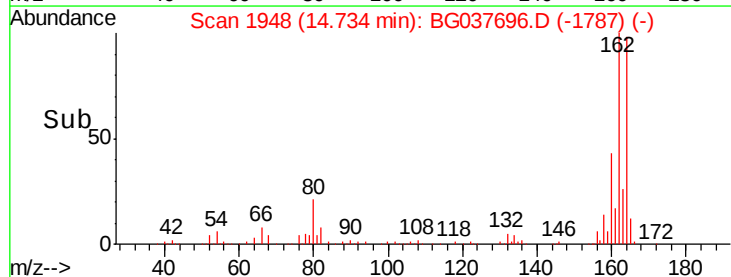
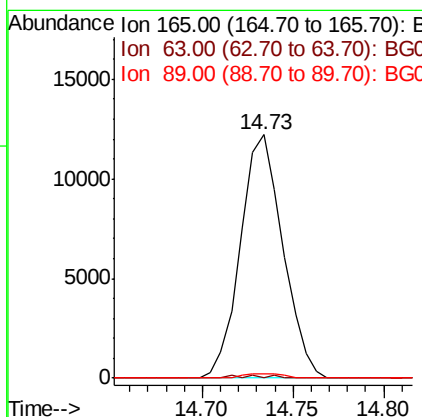
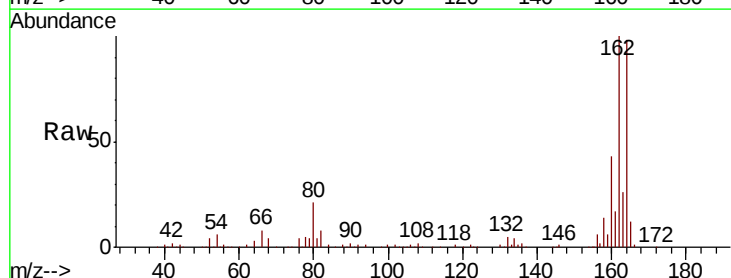
Instrument :
 BNA_G
 ClientSampleId :

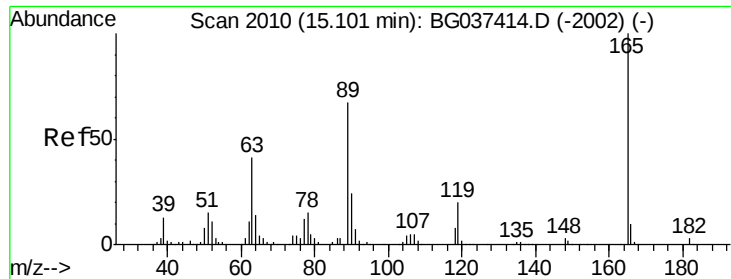
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	25.3	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.408 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037696.D
 Acq: 31 Oct 2018 22:52

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

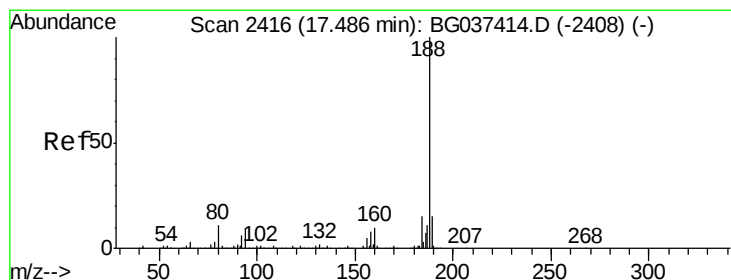
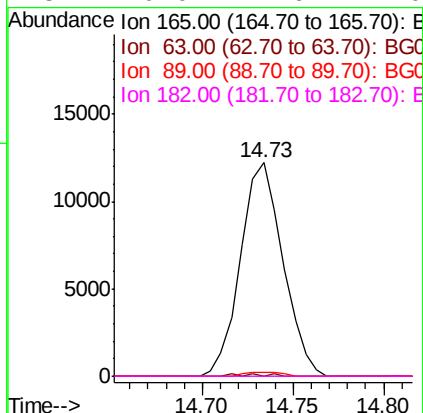
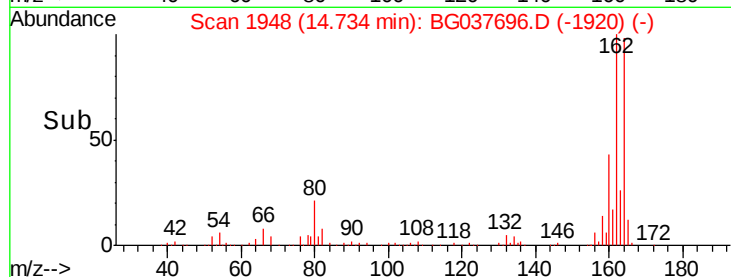
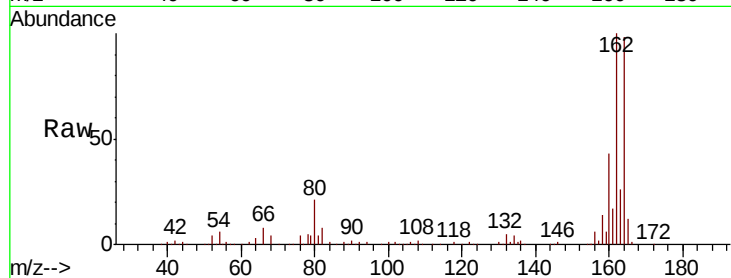




#57
 2,4-Dinitrotoluene
 Concen: 5.643 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037696.D
 Acq: 31 Oct 2018 22:52

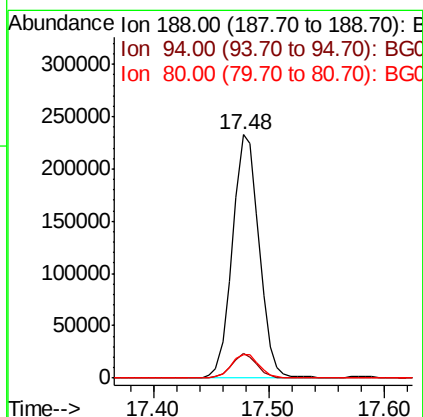
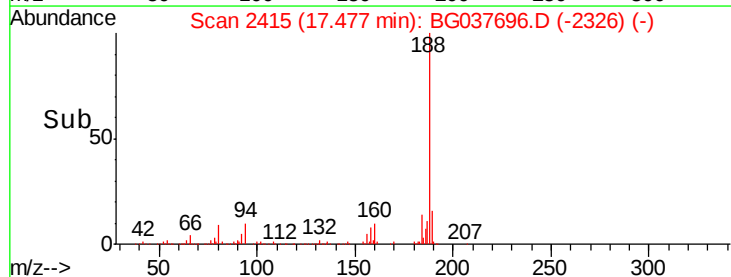
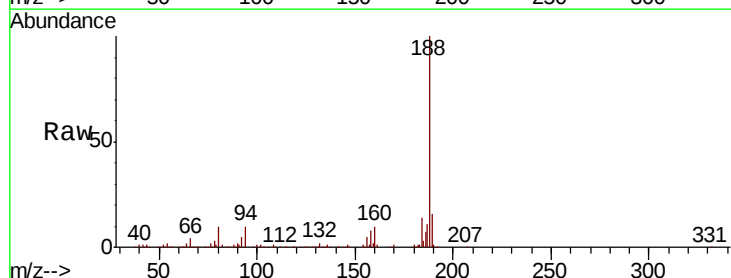
Instrument :
 BNA_G
 ClientSampleId :

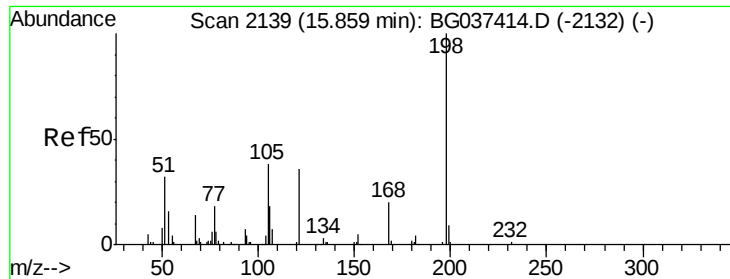
Tot Ion:165	Resp:	19861
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	1.6	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG037696.D
 Acq: 31 Oct 2018 22:52

Tgt Ion:188	Resp:	372375
Ion Ratio	Lower	Upper
188	100	
94	10.0	7.2 10.8
80	9.5	7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.709 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.37 min

Lab File: BG037696.D

Acq: 31 Oct 2018 22:52

Instrument :

BNA_G

ClientSampleId :

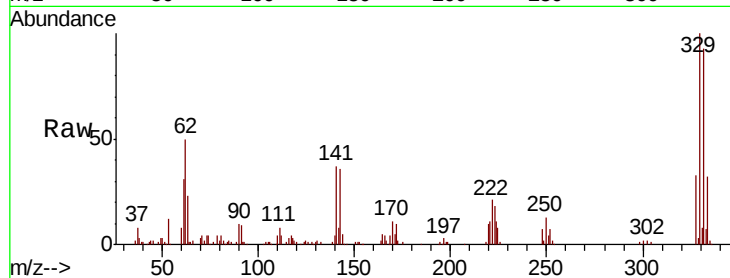
Tot Ion:198 Resp: 478

Ion Ratio Lower Upper

198 100

51 29.1 22.7 62.7

105 26.0 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

800

600

400

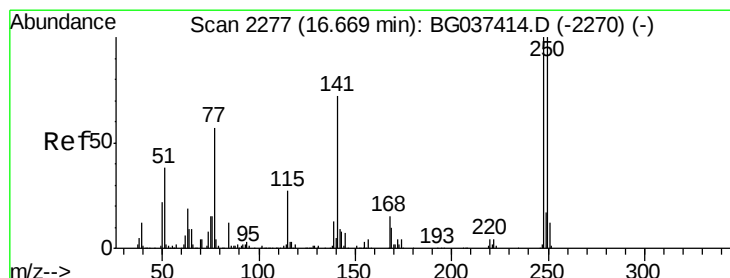
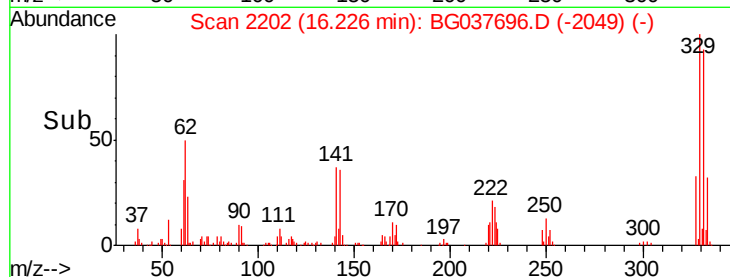
200

0

16.20 16.22 16.24 16.26

16.23

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.025 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037696.D

Acq: 31 Oct 2018 22:52

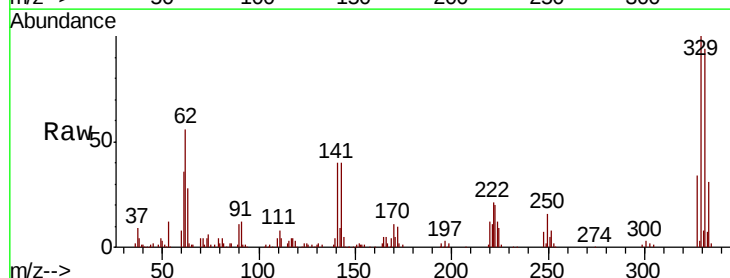
Tgt Ion:248 Resp: 12369

Ion Ratio Lower Upper

248 100

250 218.9 77.0 115.6#

141 432.6 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

50000

40000

30000

20000

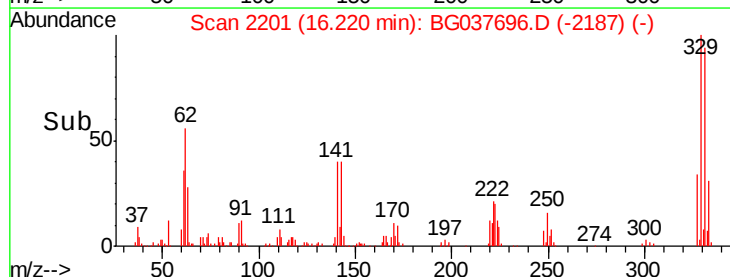
10000

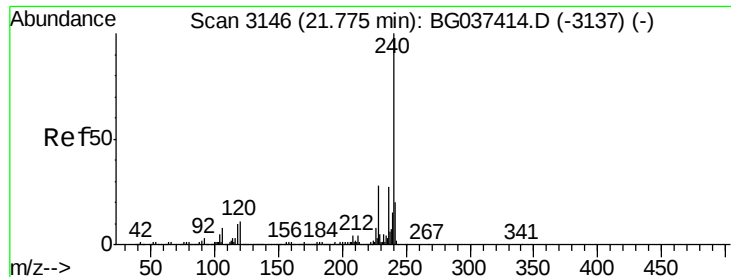
0

16.15 16.20 16.25 16.30

16.22

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG037696.D

Acq: 31 Oct 2018 22:52

Instrument :

BNA_G

ClientSampleId :

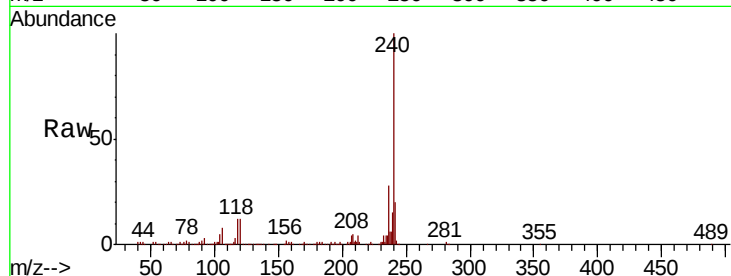
Tot Ion:240 Resp: 337515

Ion Ratio Lower Upper

240 100

120 11.5 8.1 12.1

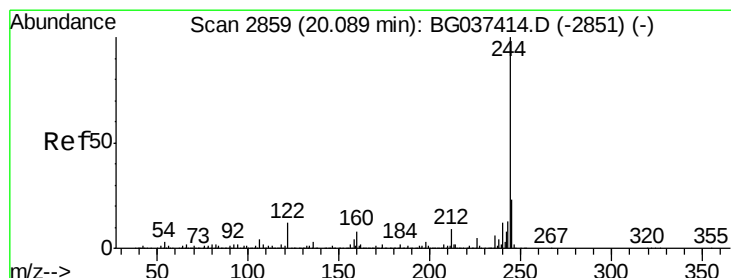
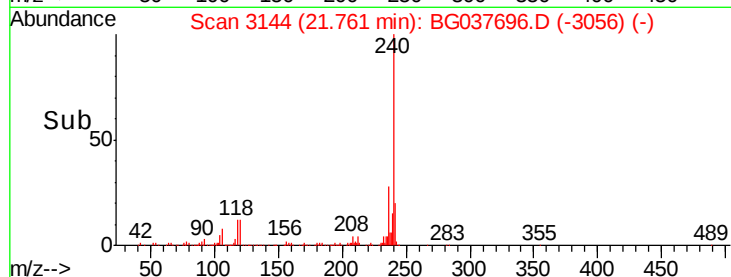
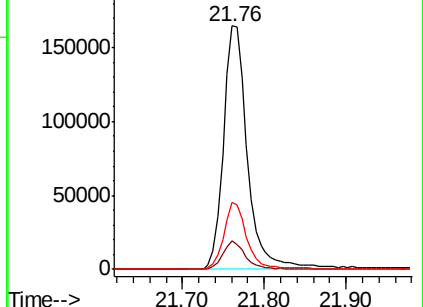
236 27.8 21.4 32.0



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



#79

Terphenyl-d14

Concen: 82.286 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037696.D

Acq: 31 Oct 2018 22:52

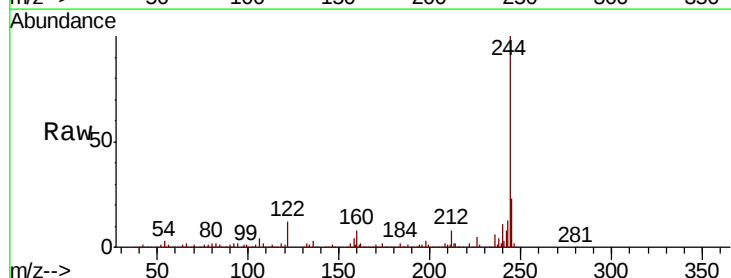
Tgt Ion:244 Resp: 1299750

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

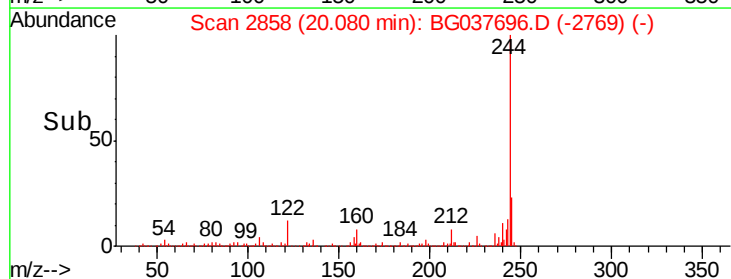
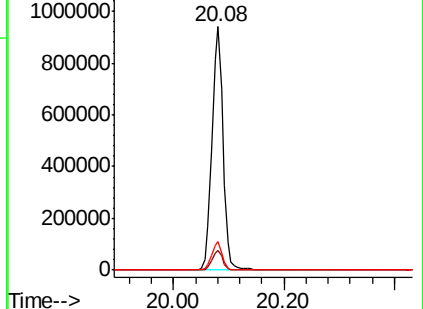
122 11.6 9.0 13.4

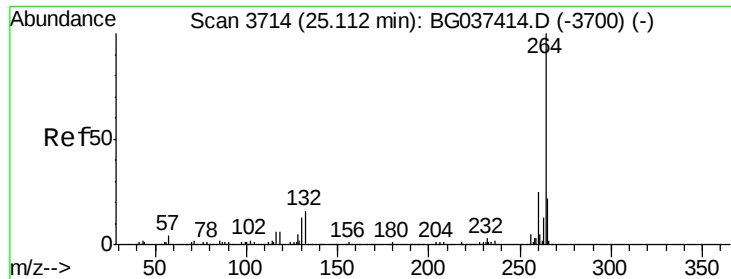


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037696.D
Acq: 31 Oct 2018 22:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 266543

Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.2	27.4
265	20.7	17.9	26.9

