

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110518\
 Data File : BG037833.D
 Acq On : 6 Nov 2018 10:55
 Operator : JU/SJ
 Sample : J5764-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 12:29:56 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

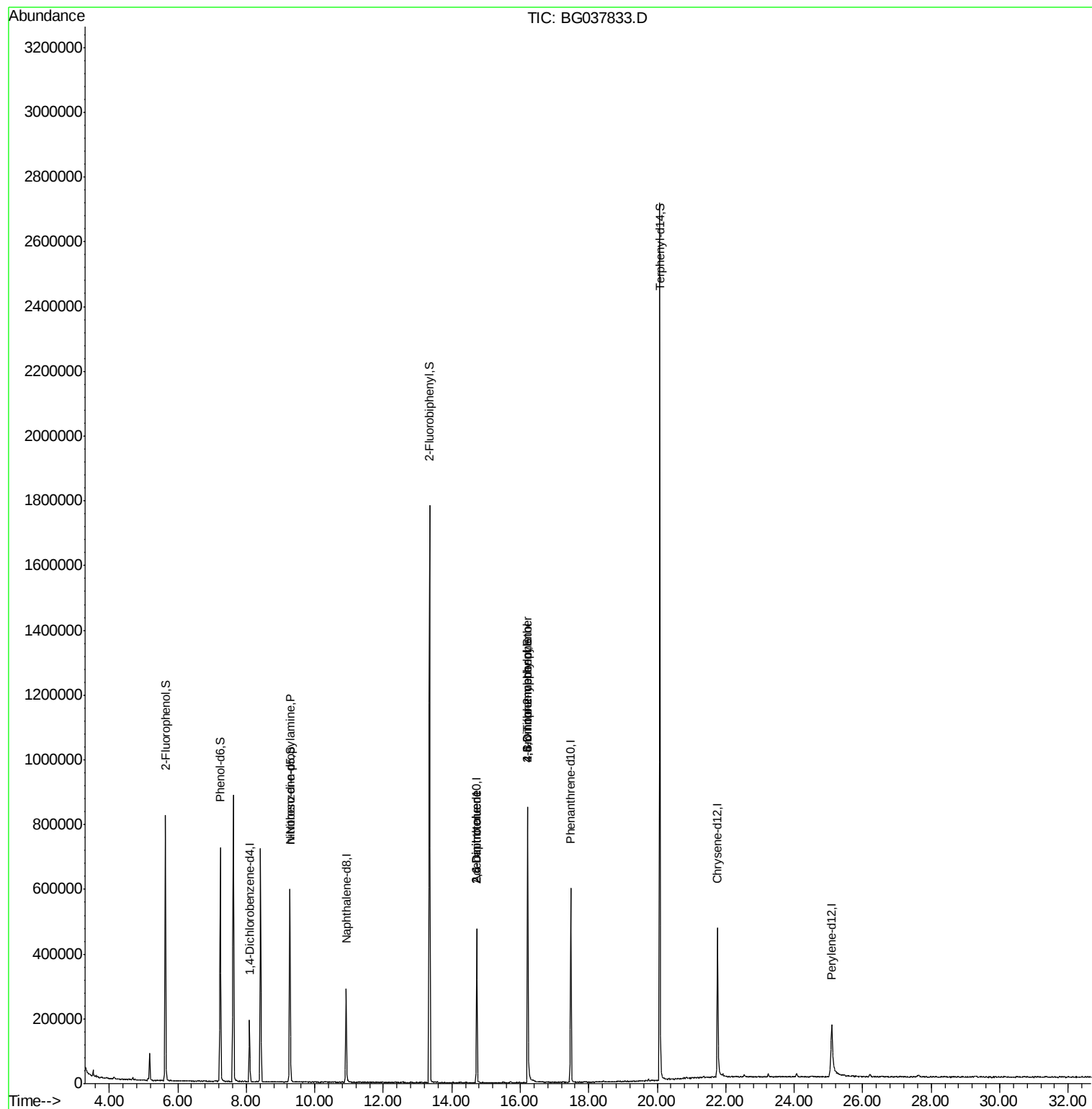
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	59374	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	267148	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	171905	20.00	ng	-0.01
64) Phenanthrene-d10	17.48	188	385642	20.00	ng	0.00
76) Chrysene-d12	21.76	240	343960	20.00	ng	-0.01
87) Perylene-d12	25.09	264	267636	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	385321	108.50	ng	0.00
7) Phenol-d6	7.24	99	481054	89.58	ng	-0.01
23) Nitrobenzene-d5	9.28	82	390450	81.87	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	177128	94.47	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	956191	83.88	ng	-0.01
79) Terphenyl-d14	20.07	244	1345478	83.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	48595	13.141	ng	# 71
51) 2,6-Dinitrotoluene	14.73	165	23328	7.929	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	23328	6.041	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	480	8.703	ng	82
67) 4-Bromophenyl-phenylether	16.21	248	13046	3.081	ng	# 1

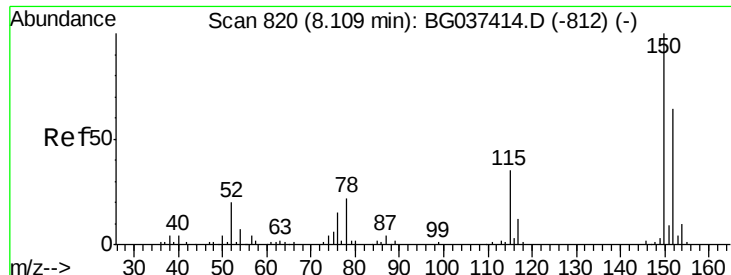
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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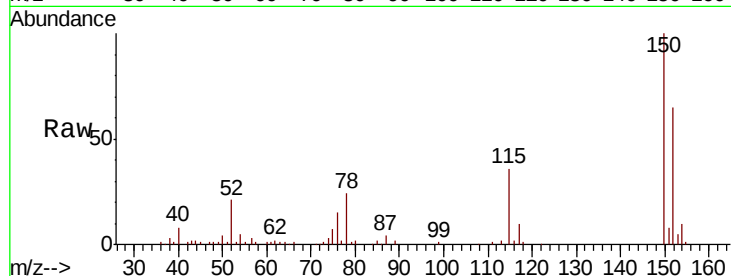


#1

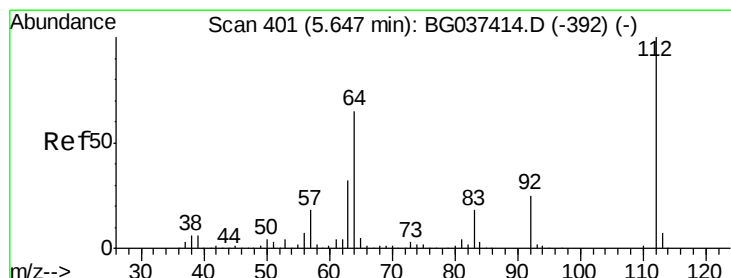
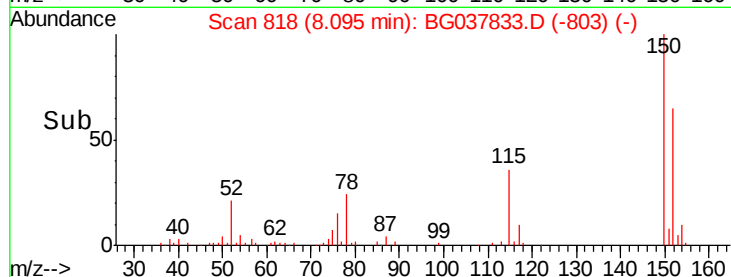
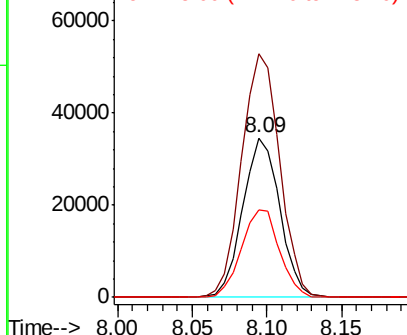
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037833.D
Acq: 6 Nov 2018 10:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59374
Ion Ratio Lower Upper
152 100
150 152.8 126.0 189.0
115 55.1 45.5 68.3



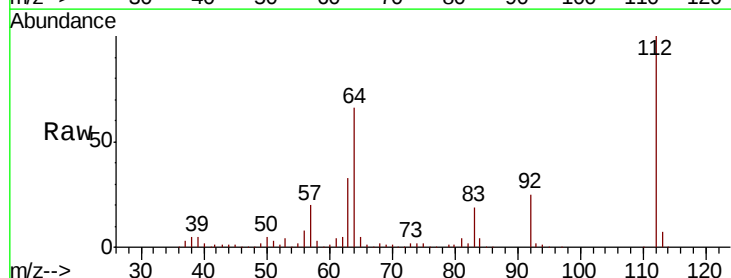
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



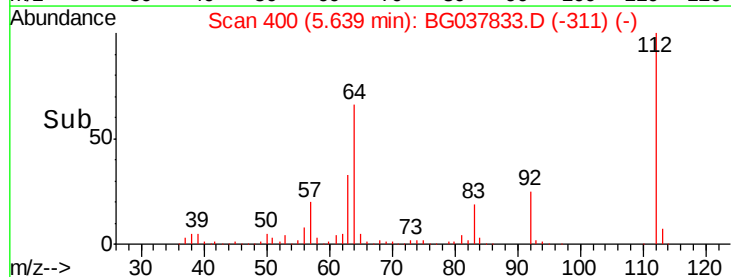
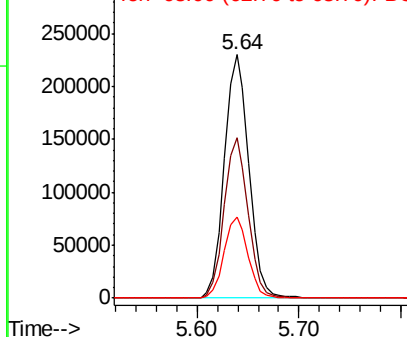
#5

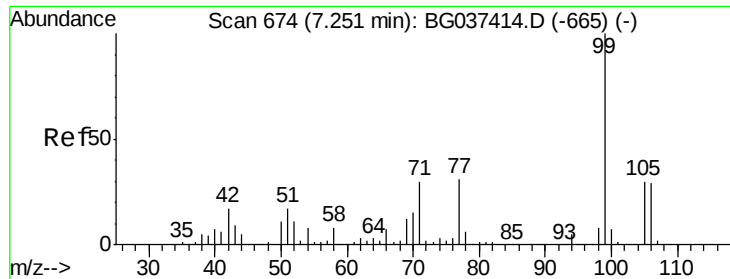
2-Fluorophenol
Concen: 108.499 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037833.D
Acq: 6 Nov 2018 10:55

Tgt Ion:112 Resp: 385321
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 33.1 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: 89.579 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

Instrument :

BNA_G

ClientSampleId :

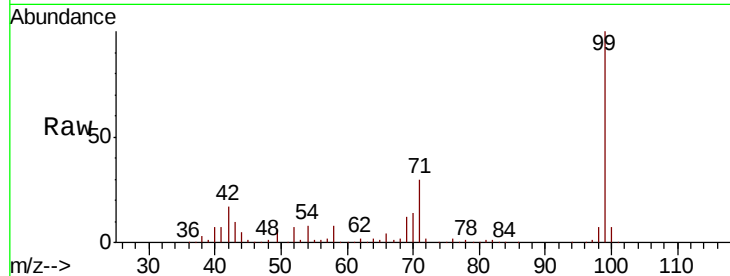
Tot Ion: 99 Resp: 481054

Ion Ratio Lower Upper

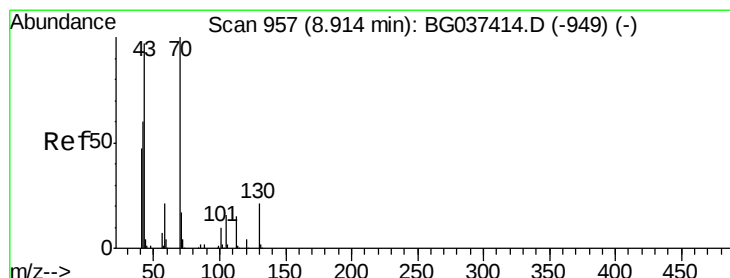
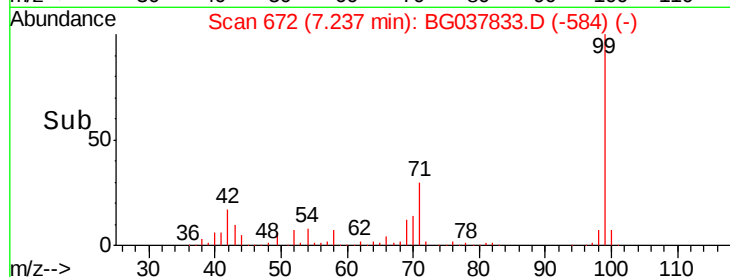
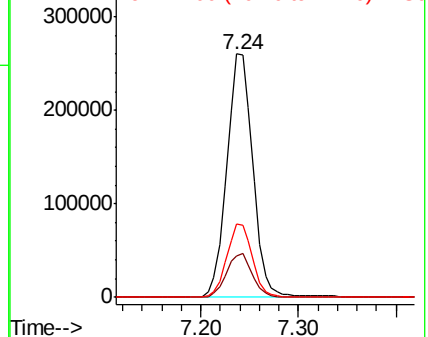
99 100

42 17.1 15.0 22.4

71 29.9 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: 13.141 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

Tgt Ion: 70 Resp: 48595

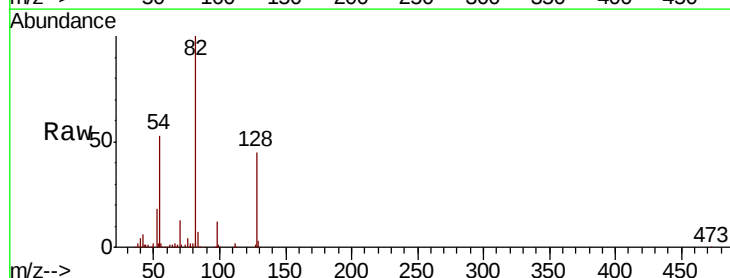
Ion Ratio Lower Upper

70 100

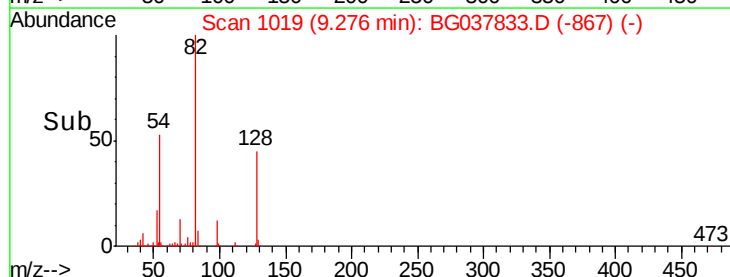
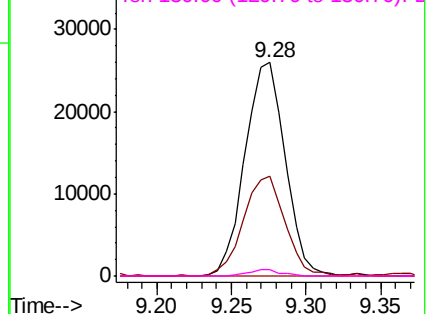
42 46.8 53.9 80.9#

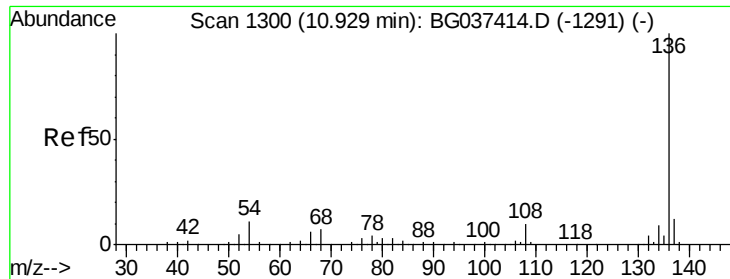
101 0.0 8.2 12.2#

130 3.3 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

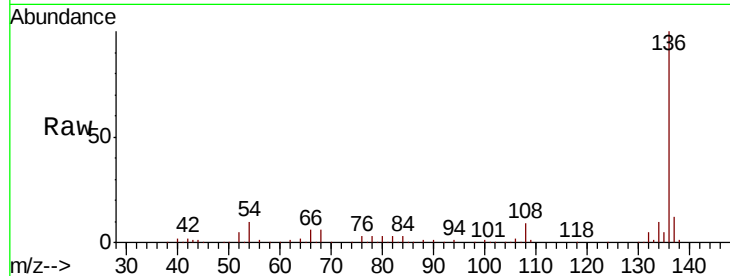




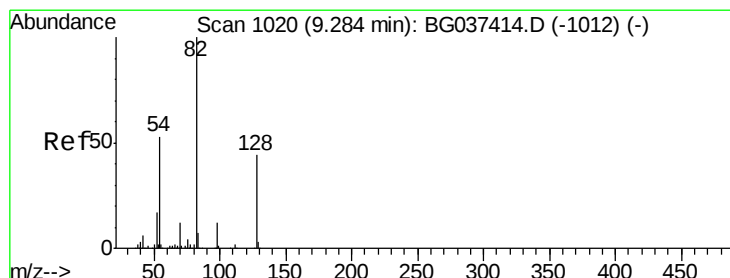
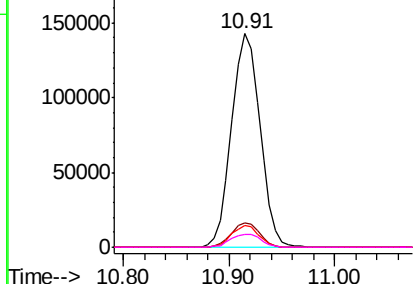
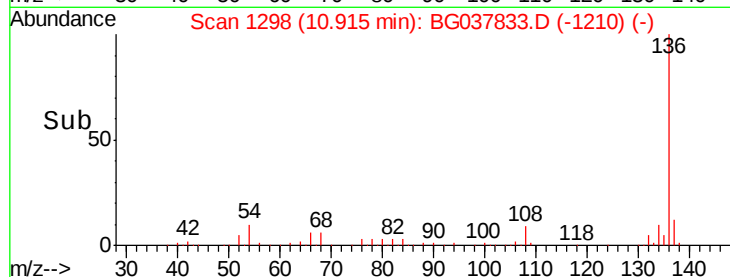
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037833.D
Acq: 6 Nov 2018 10:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	267148
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.6 14.4
54	10.0	7.9 11.9
68	5.9	4.8 7.2

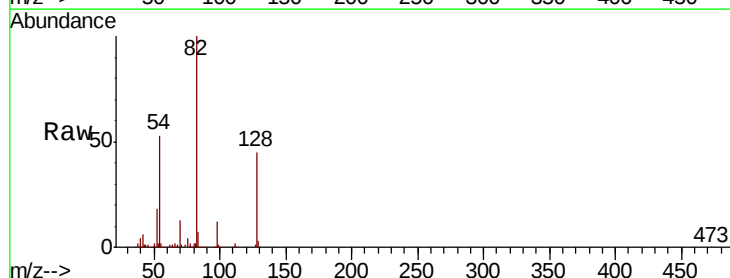


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

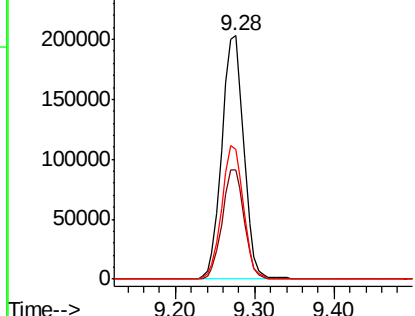
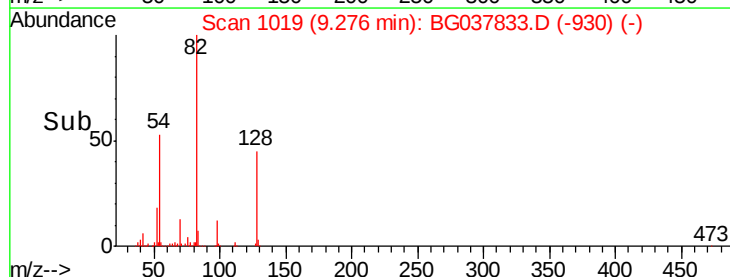


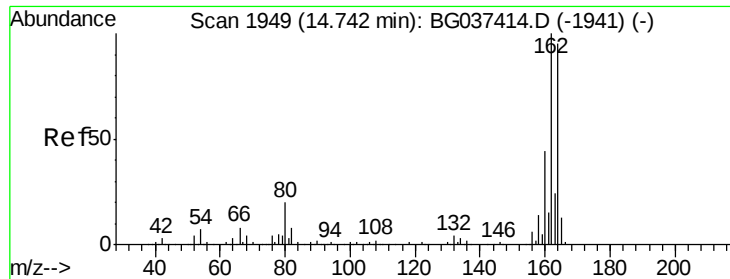
#23
Nitrobenzene-d5
Concen: 81.874 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037833.D
Acq: 6 Nov 2018 10:55

Tgt Ion: 82	Resp:	390450
Ion Ratio	Lower	Upper
82	100	
128	44.9	34.6 51.8
54	53.2	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# 1947

Delta R.T. -0.01 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

Instrument :

BNA_G

ClientSampled :

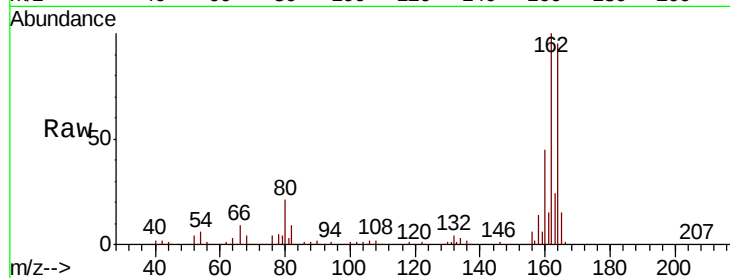
Tot Ion:164 Resp: 171905

Ion Ratio Lower Upper

164 100

162 105.0 81.3 121.9

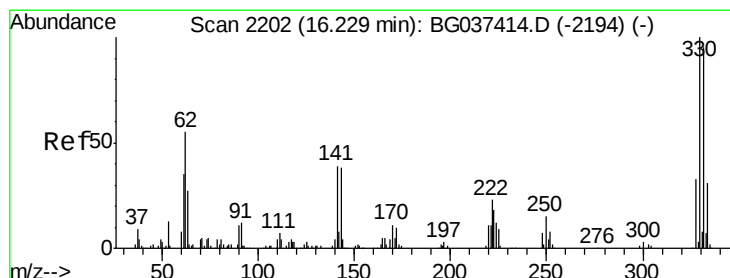
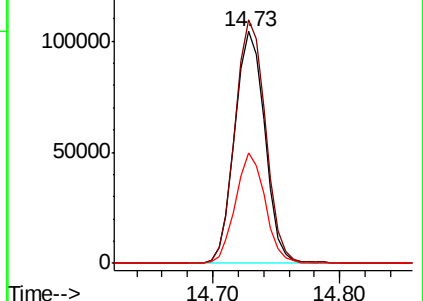
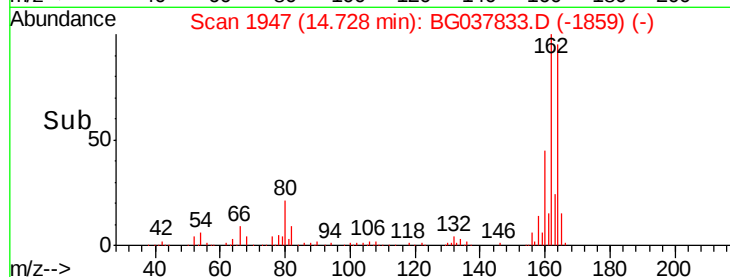
160 47.5 36.3 54.5



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: 94.471 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

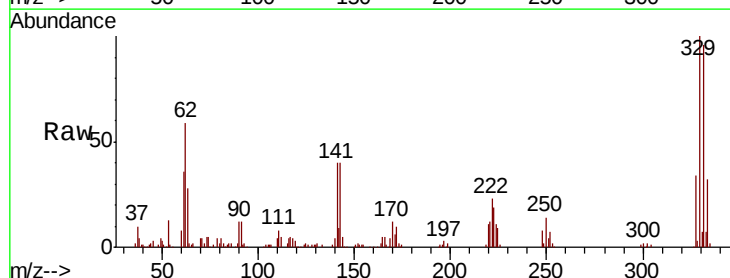
Tgt Ion:330 Resp: 177128

Ion Ratio Lower Upper

330 100

332 93.2 78.4 117.6

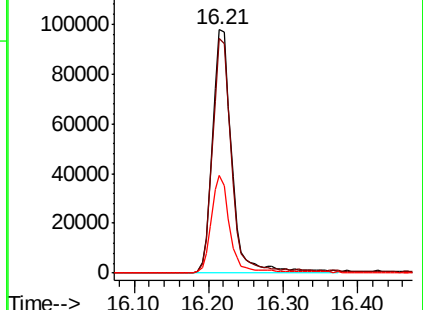
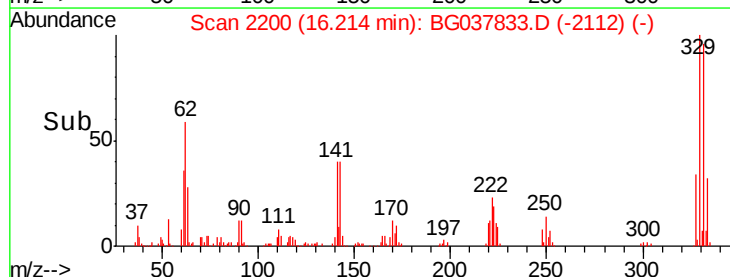
141 37.8 32.2 48.2

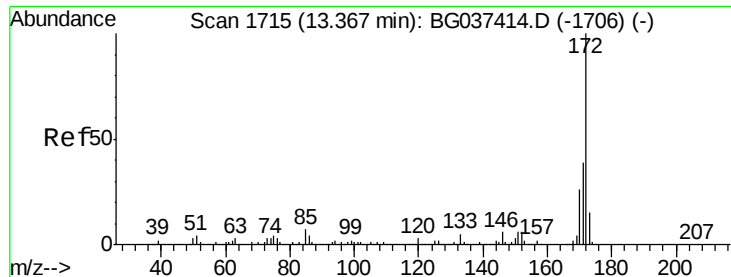


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

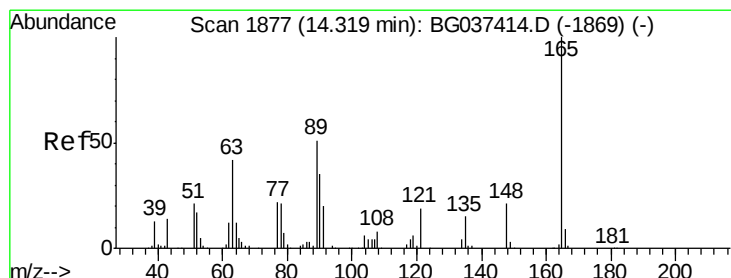
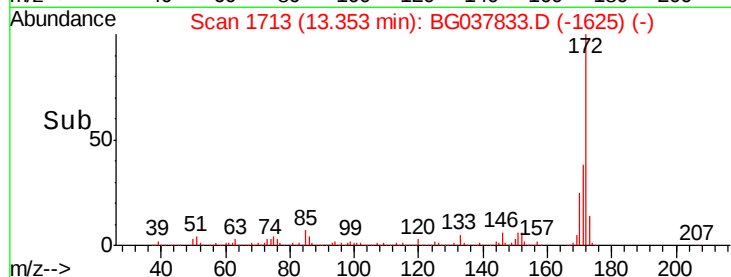
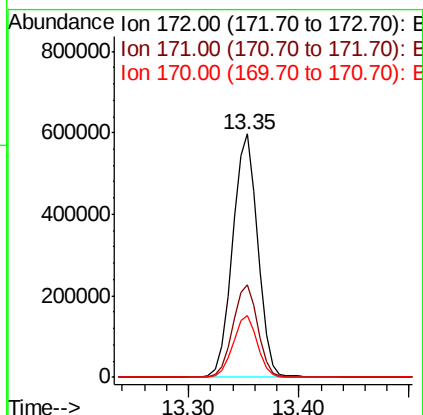
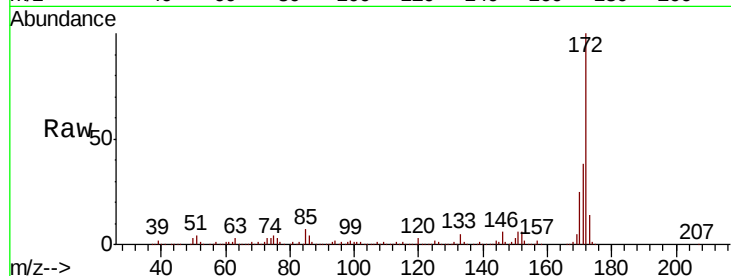




#45
2-Fluorobiphenyl
Concen: 83.877 ng
RT: 13.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG037833.D
Acq: 6 Nov 2018 10:55

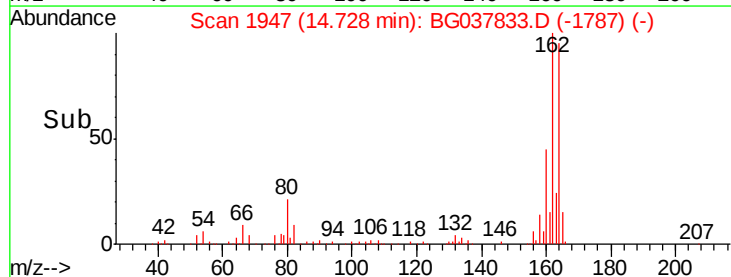
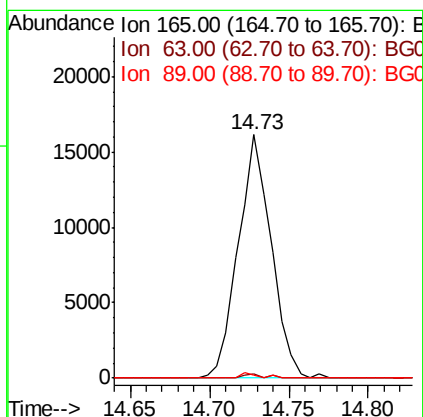
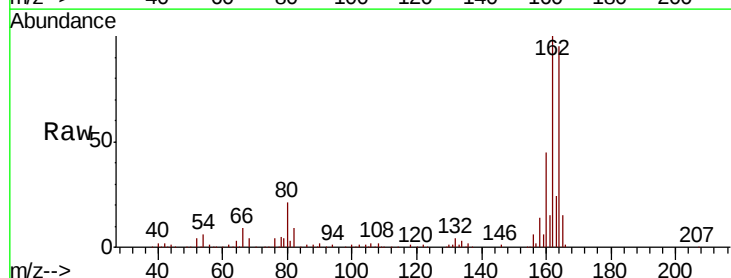
Instrument :
BNA_G
ClientSampleId :

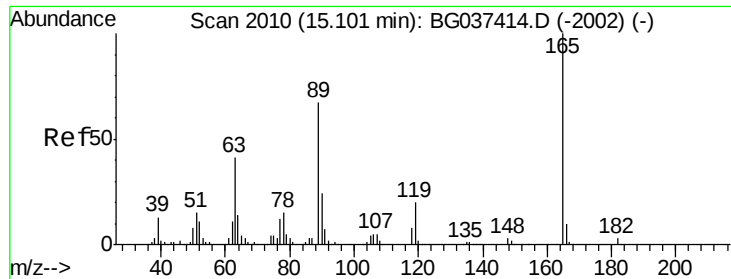
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.0	46.4
170	25.5	20.2	30.2



#51
2,6-Dinitrotoluene
Concen: 7.929 ng
RT: 14.73 min Scan# 1947
Delta R.T. 0.41 min
Lab File: BG037833.D
Acq: 6 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	43.4	65.2#
89	1.3	45.8	68.6#

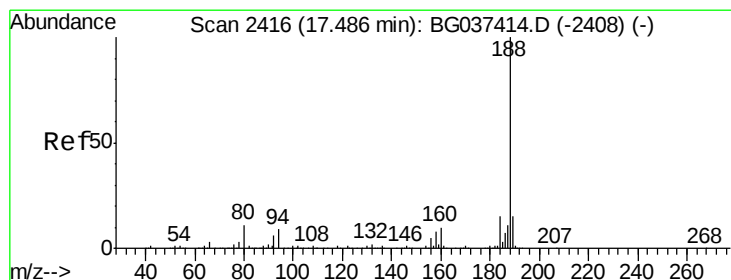
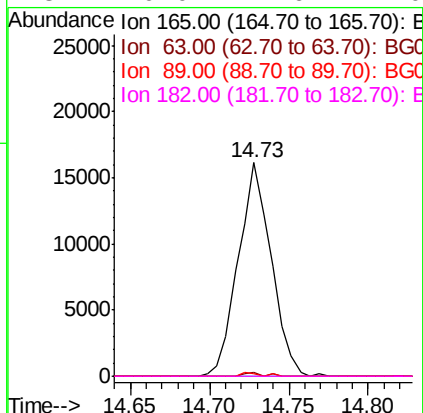
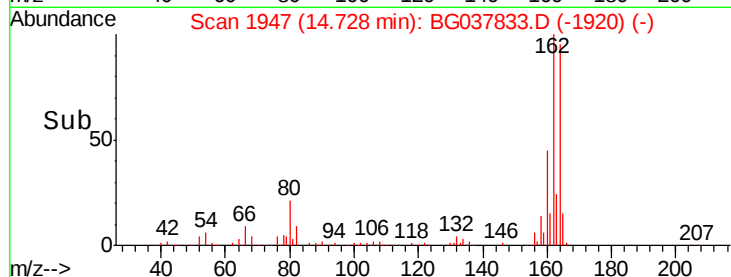
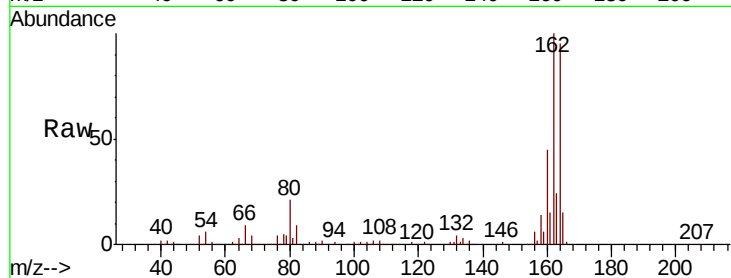




#57
 2,4-Dinitrotoluene
 Concen: 6.041 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037833.D
 Acq: 6 Nov 2018 10:55

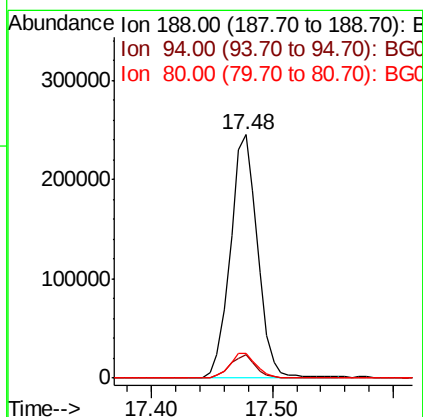
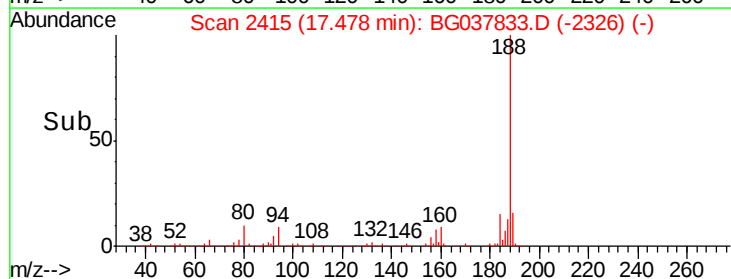
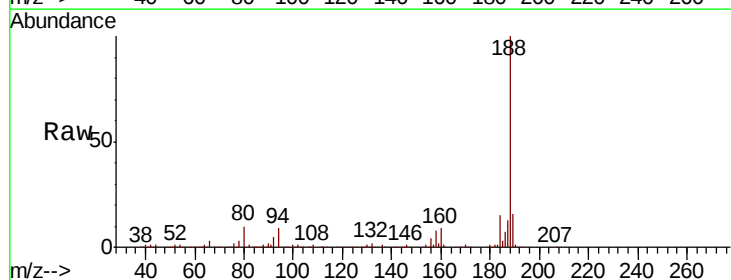
Instrument :
 BNA_G
 ClientSampleId :

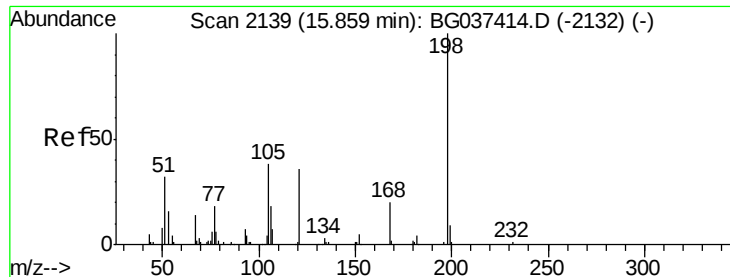
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	33.4	50.0#
89	1.3	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG037833.D
 Acq: 6 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.4	7.7	11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.703 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

Instrument :

BNA_G

ClientSampleId :

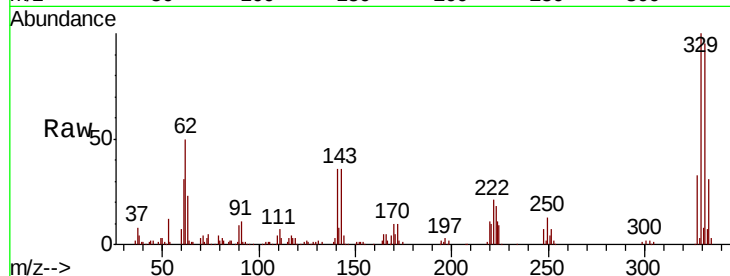
Tot Ion:198 Resp: 480

Ion Ratio Lower Upper

198 100

51 35.5 22.7 62.7

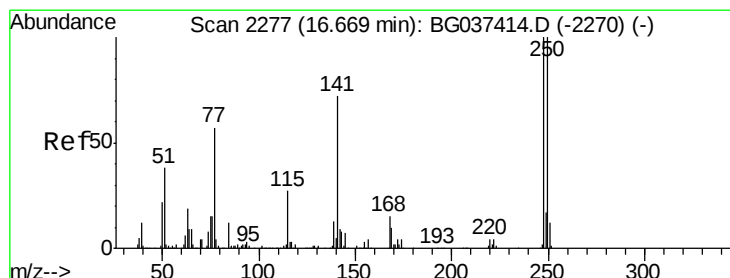
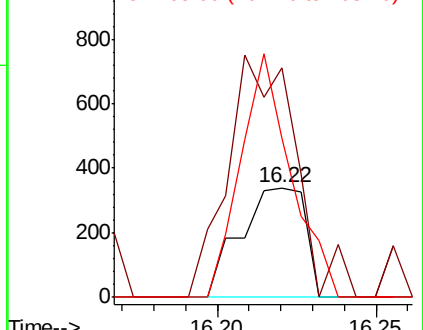
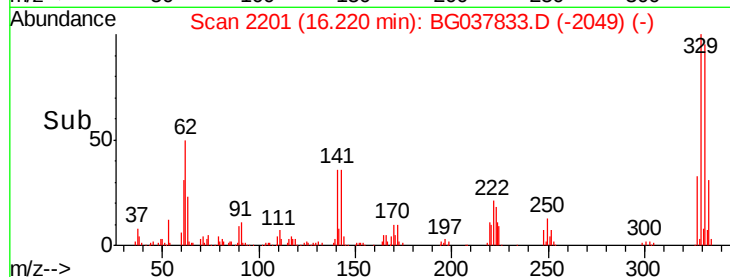
105 24.6 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG037833.D (-2132) (-)

Ion 105.00 (104.70 to 105.70): BG037833.D (-2132) (-)



#67

4-Bromophenyl-phenylether

Concen: 3.081 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.45 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

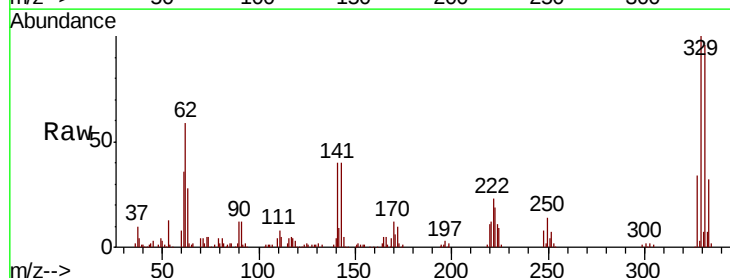
Tgt Ion:248 Resp: 13046

Ion Ratio Lower Upper

248 100

250 179.2 77.0 115.6#

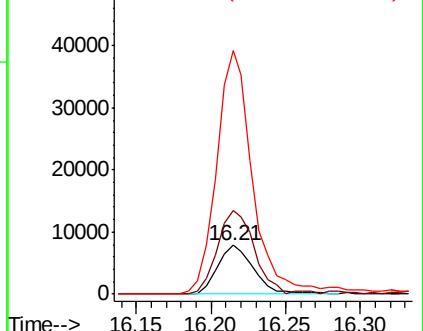
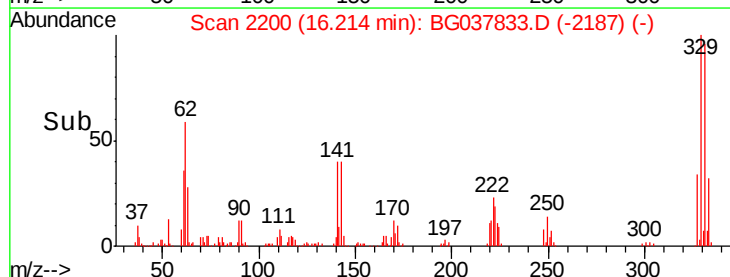
141 393.6 55.5 83.3#

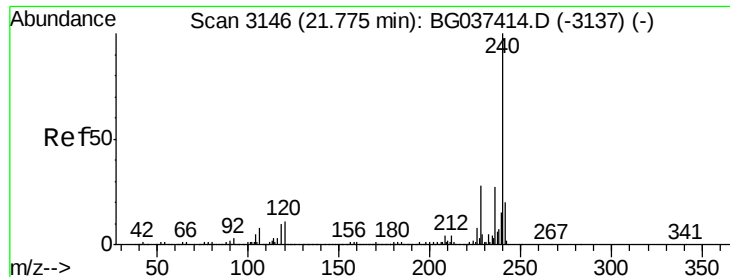


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG037833.D (-2270) (-)

Ion 141.00 (140.70 to 141.70): BG037833.D (-2270) (-)





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

Instrument :

BNA_G

ClientSampled :

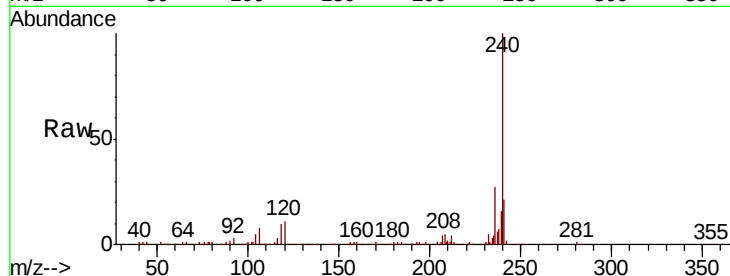
Tot Ion:240 Resp: 343960

Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

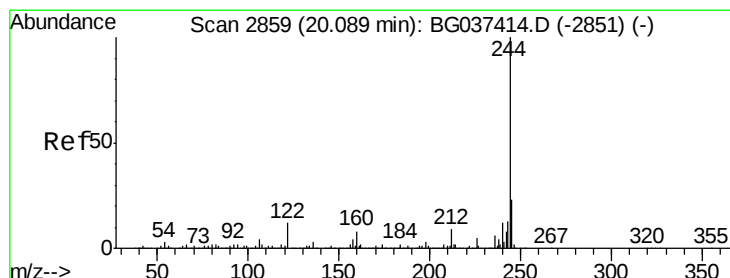
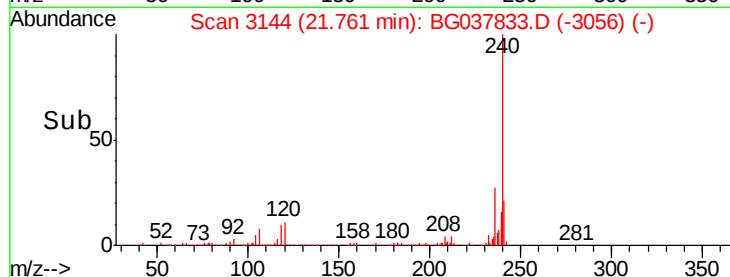
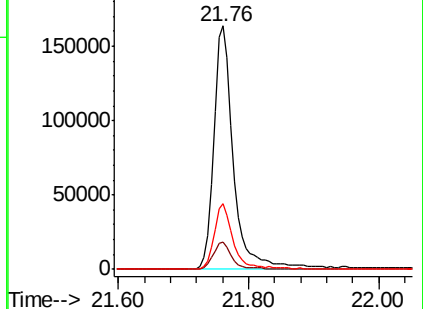
236 27.2 21.4 32.0



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: 83.584 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037833.D

Acq: 6 Nov 2018 10:55

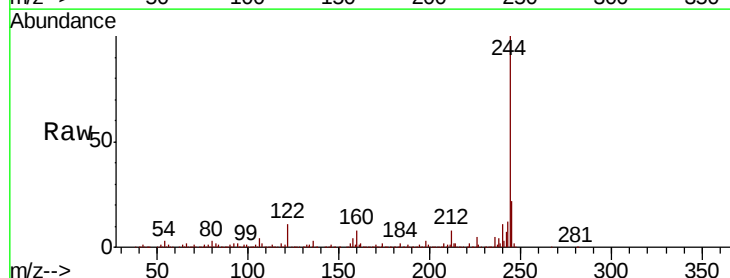
Tgt Ion:244 Resp: 1345478

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

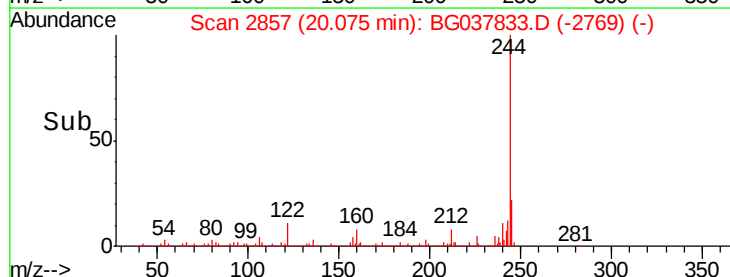
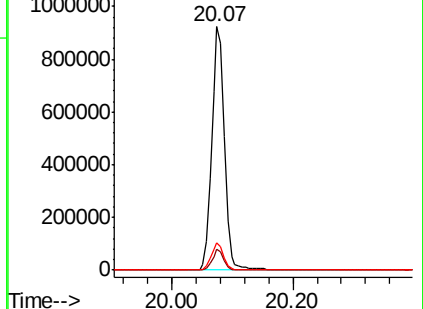
122 11.2 9.0 13.4

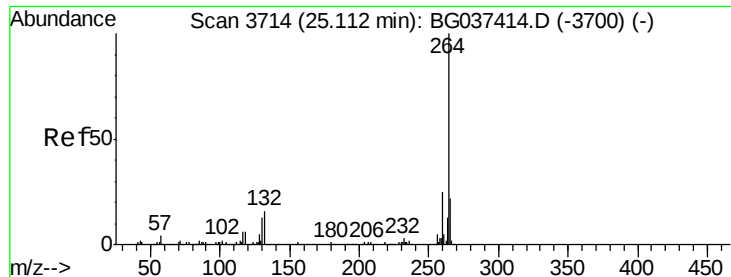


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG037833.D
Acq: 6 Nov 2018 10:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	21.1	17.9	26.9

