

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037388.D
 Acq On : 17 Oct 2018 12:47
 Operator : JU/SJ
 Sample : J5527-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 13:51:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

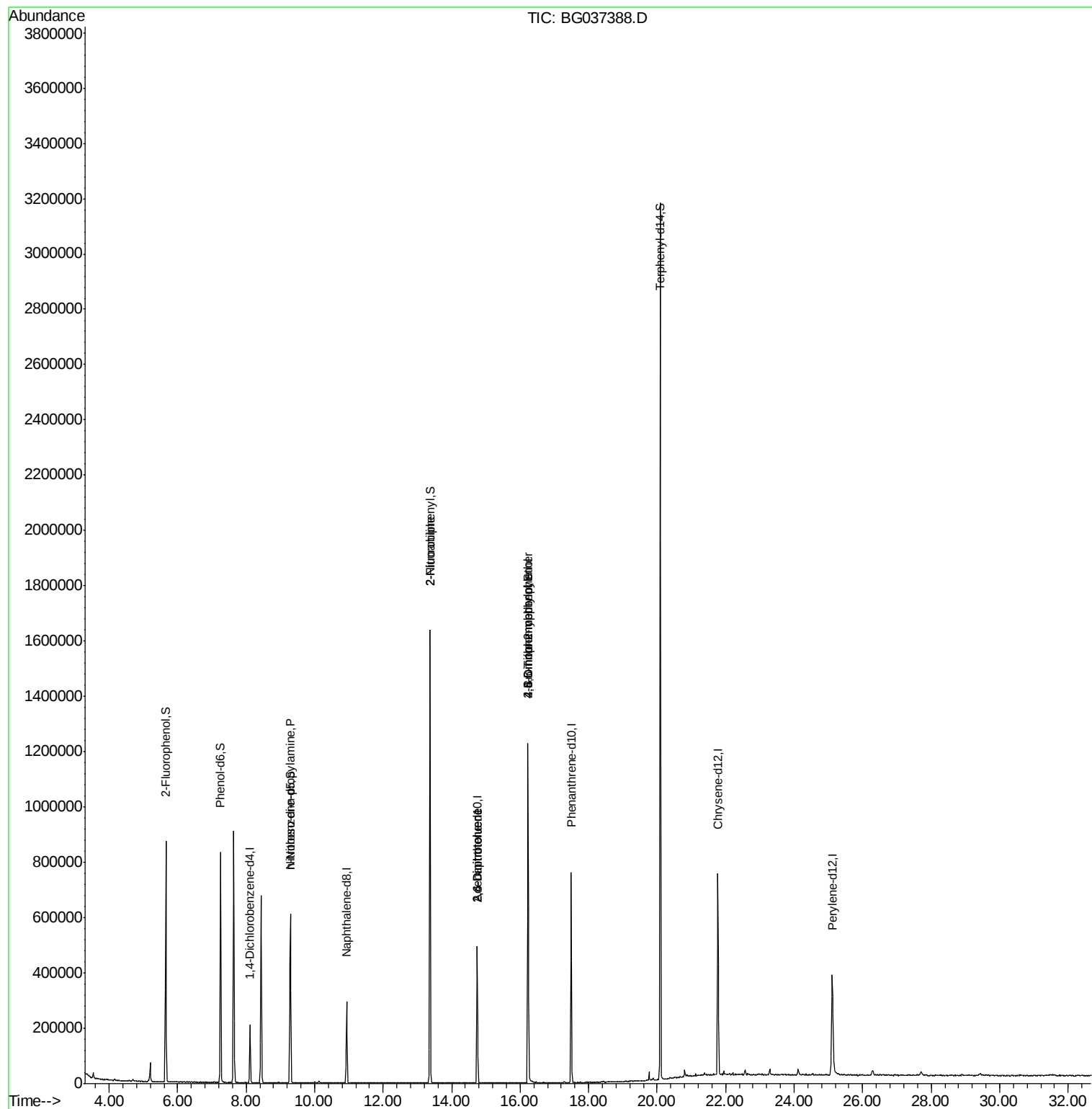
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	64066	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	266451	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	180193	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	471122	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	449017	20.00	ng	-0.02
87) Perylene-d12	25.11	264	422412	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	406122	111.56	ng	0.00
7) Phenol-d6	7.25	99	522220	94.51	ng	0.00
23) Nitrobenzene-d5	9.29	82	377809	93.22	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	220202	124.61	ng	-0.02
45) 2-Fluorobiphenyl	13.37	172	885005	73.76	ng	-0.02
79) Terphenyl-d14	20.09	244	1531126	71.60	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	46891	11.209	ng	# 74
48) 2-Nitroaniline	13.37	65	1557	6.207	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	23407	12.467	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	23407	11.309	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	672	6.345	ng	82
67) 4-Bromophenyl-phenylether	16.23	248	16159	3.178	ng	# 1

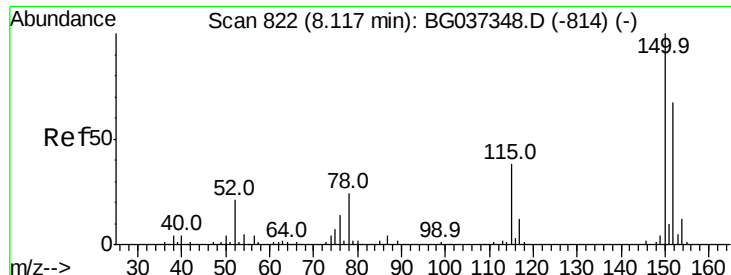
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



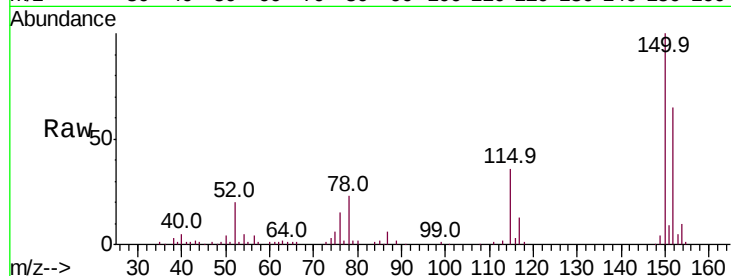


#1

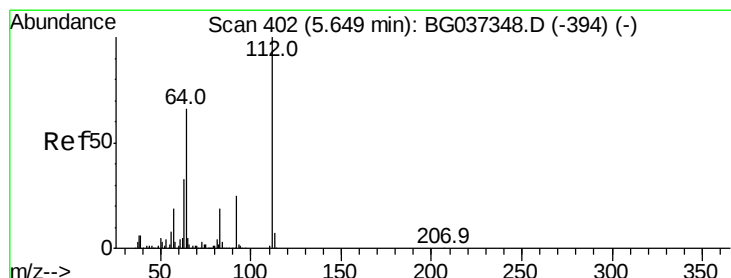
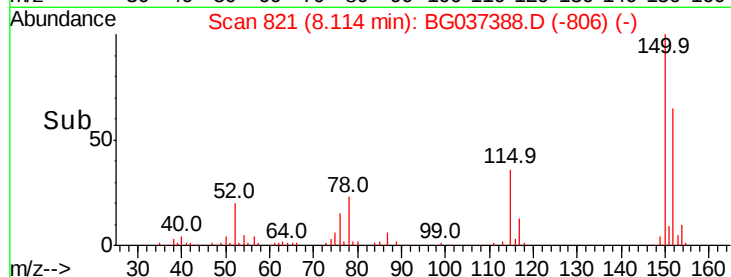
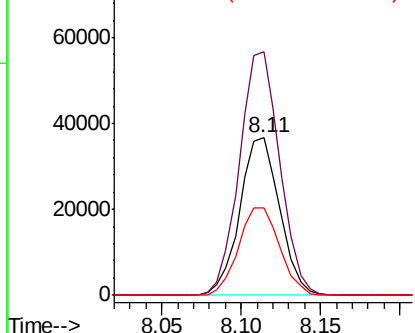
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BG037388.D
 Acq: 17 Oct 2018 12:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 64066
 Ion Ratio Lower Upper
 152 100
 150 154.7 126.0 189.0
 115 55.4 45.5 68.3



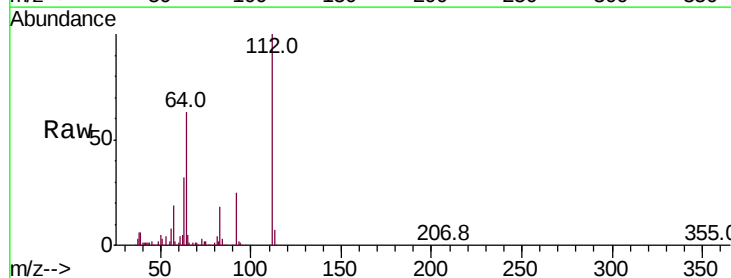
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



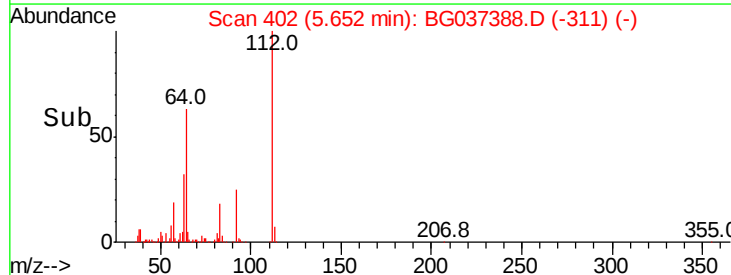
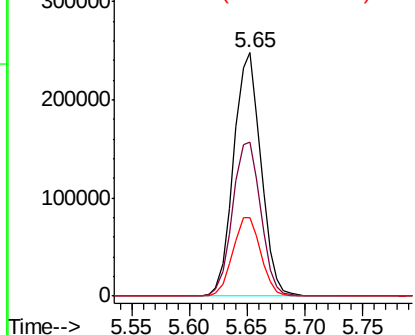
#5

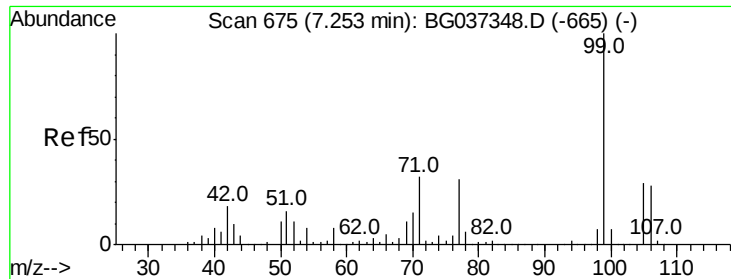
2-Fluorophenol
 Concen: 111.562 ng
 RT: 5.65 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: BG037388.D
 Acq: 17 Oct 2018 12:47

Tgt Ion:112 Resp: 406122
 Ion Ratio Lower Upper
 112 100
 64 63.0 53.1 79.7
 63 32.2 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 94.513 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037388.D

Acq: 17 Oct 2018 12:47

Instrument :

BNA_G

ClientSampleId :

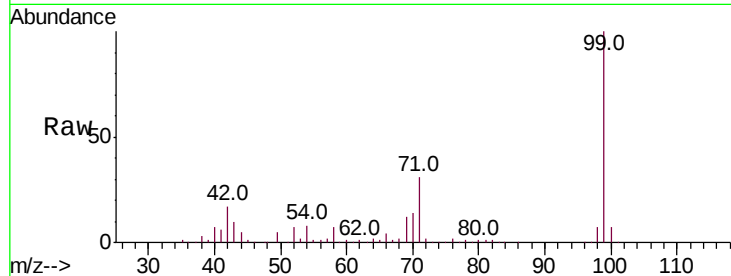
Tot Ion: 99 Resp: 522220

Ion Ratio Lower Upper

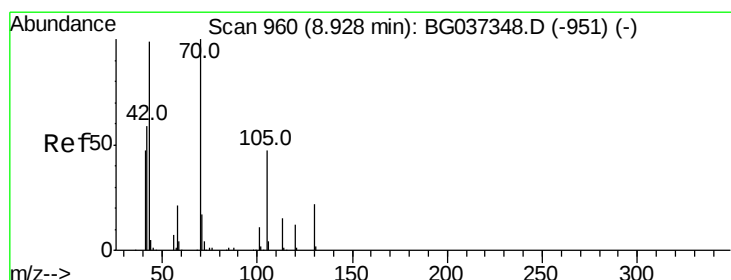
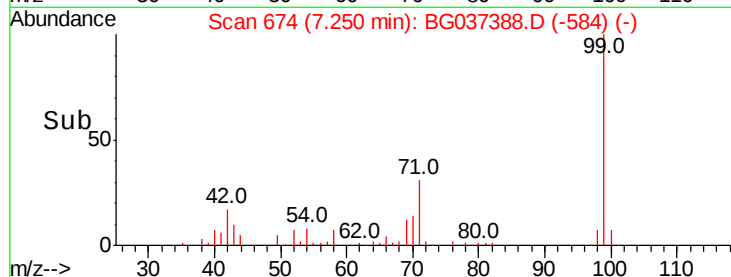
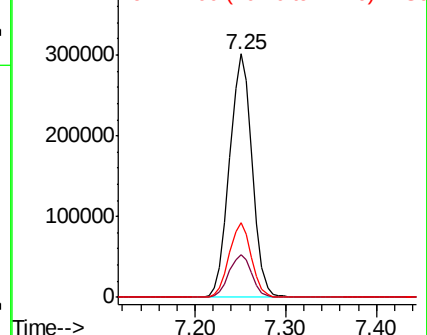
99 100

42 17.4 15.0 22.4

71 30.6 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: 11.209 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037388.D

Acq: 17 Oct 2018 12:47

Tgt Ion: 70 Resp: 46891

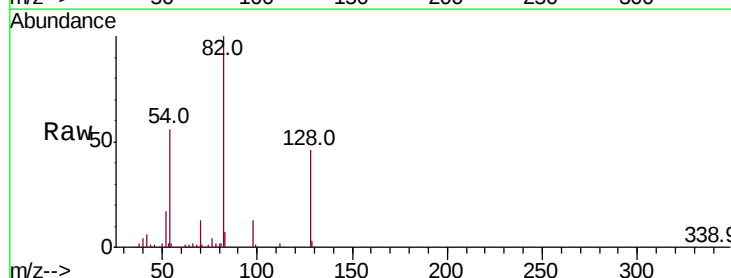
Ion Ratio Lower Upper

70 100

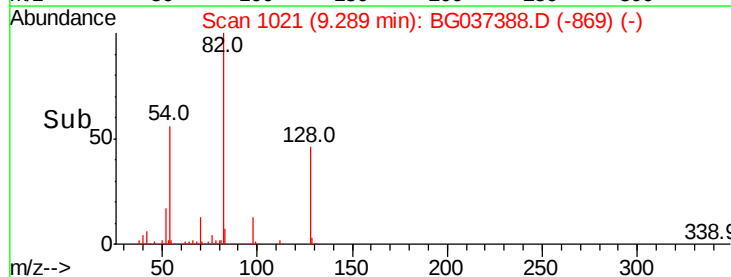
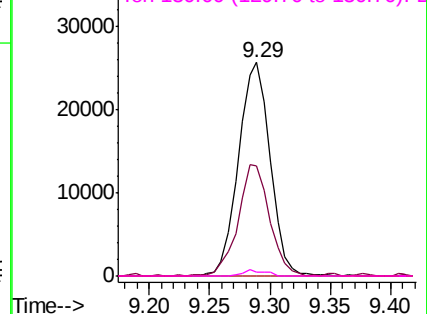
42 51.6 53.9 80.9#

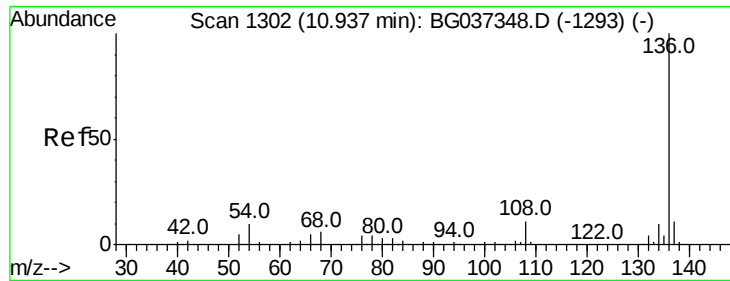
101 0.0 8.2 12.2#

130 2.0 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

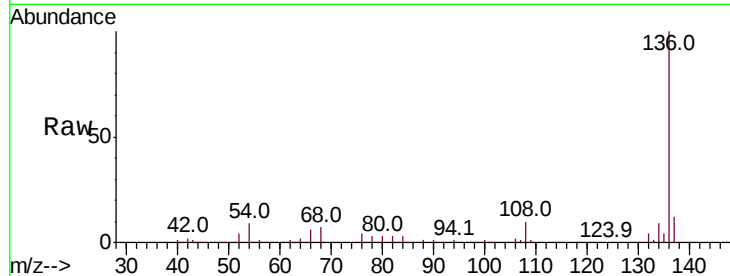




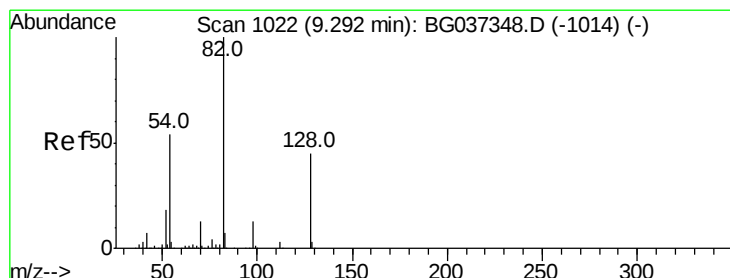
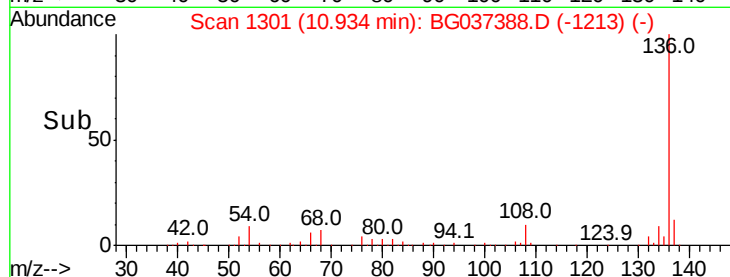
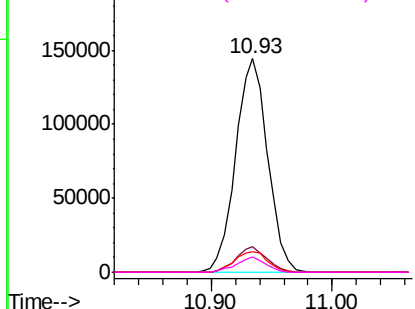
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	266451	
Ion Ratio	Lower	Upper	
136 100			
137 11.8	9.6	14.4	
54 9.4	7.9	11.9	
68 6.9	4.8	7.2	

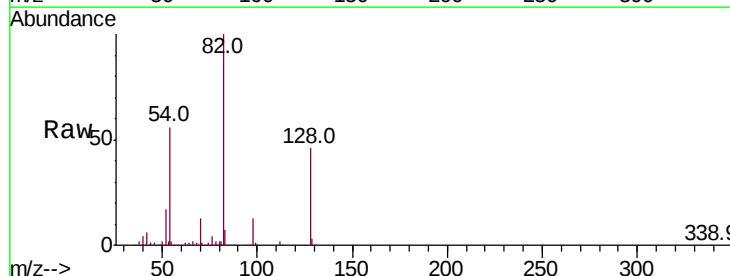


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

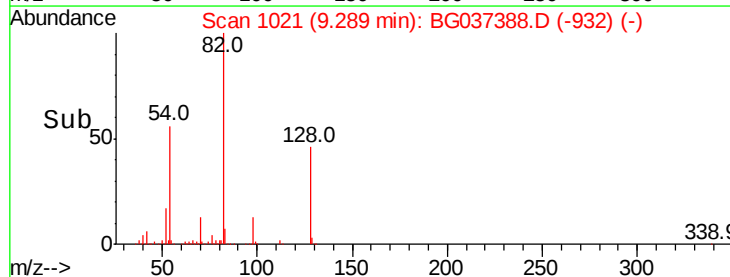
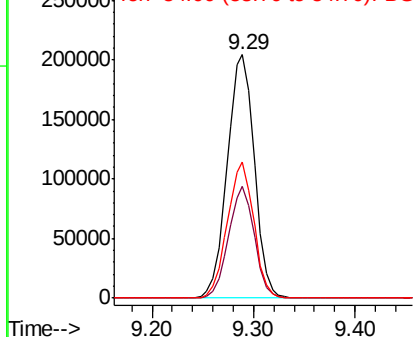


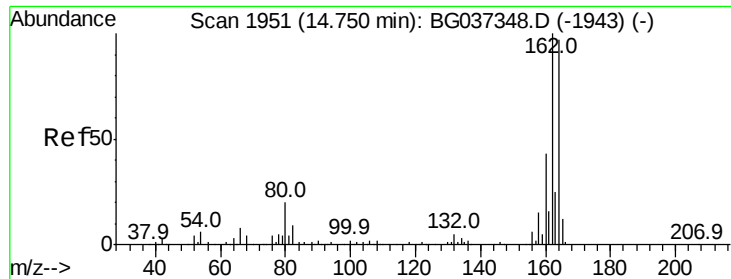
#23
Nitrobenzene-d5
Concen: 93.222 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

Tgt Ion: 82	Resp: 377809
Ion Ratio	Lower Upper
82 100	
128 45.9	34.6 51.8
54 55.9	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

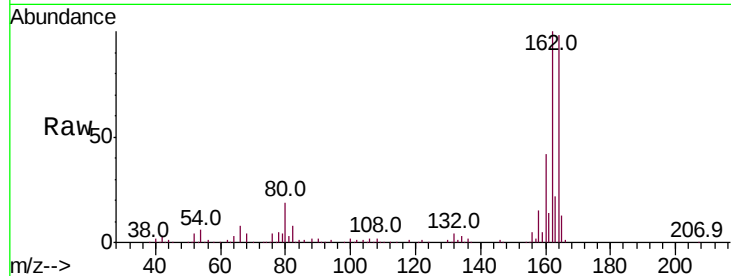




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: BG037388.D
 Acq: 17 Oct 2018 12:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.3	121.9
160	43.0	36.3	54.5

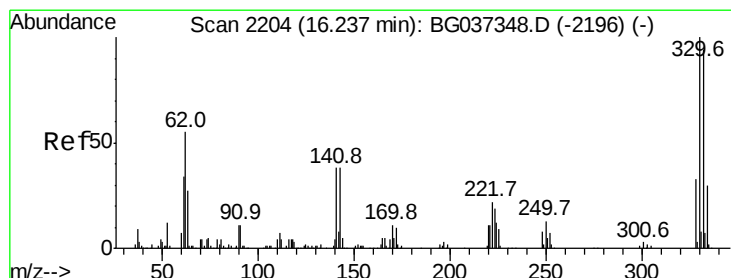
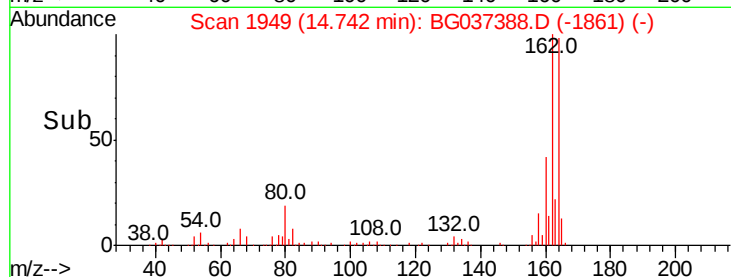
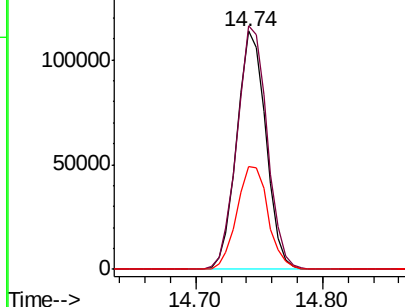


Abundance

Ion 164.00 (163.70 to 164.70): E

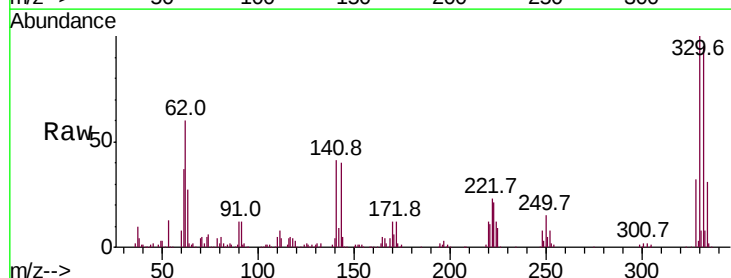
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 124.606 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.02 min
 Lab File: BG037388.D
 Acq: 17 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.4	117.6
141	40.2	32.2	48.2

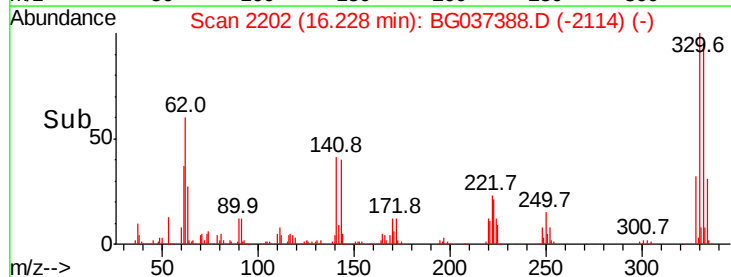
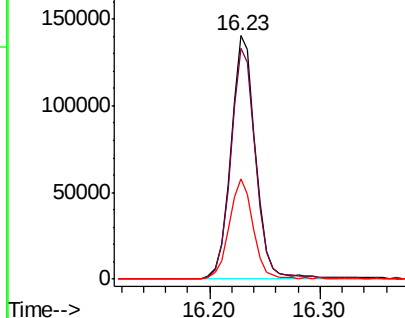


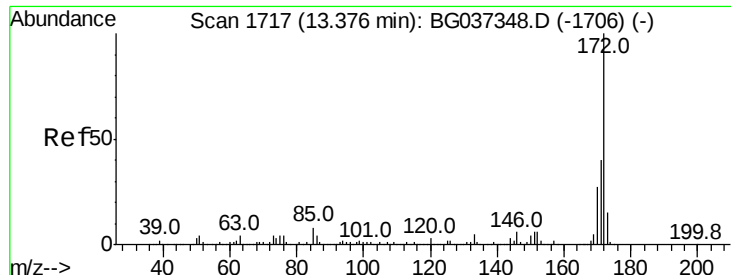
Abundance

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

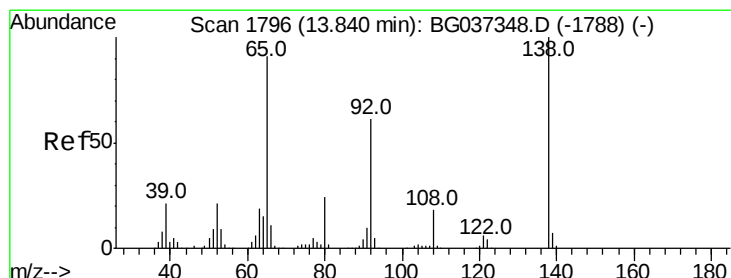
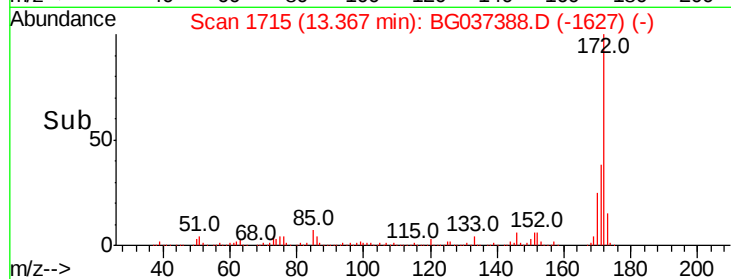
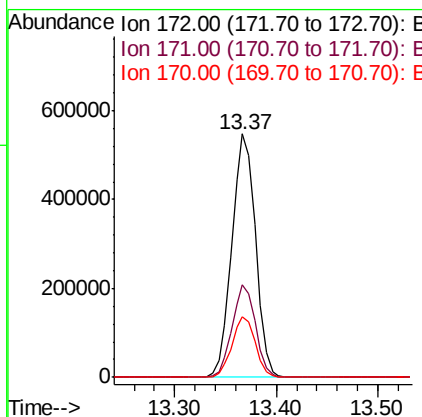
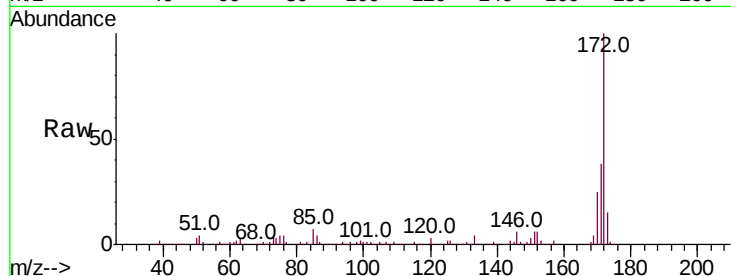




#45
2-Fluorobiphenyl
Concen: 73.758 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

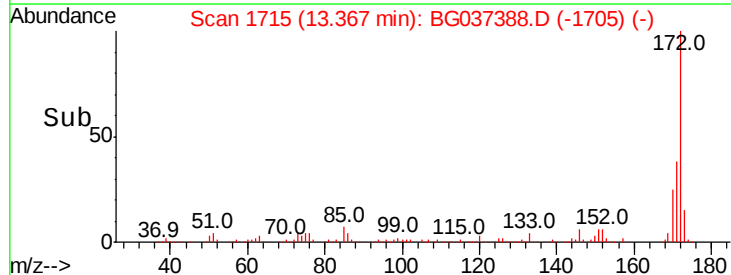
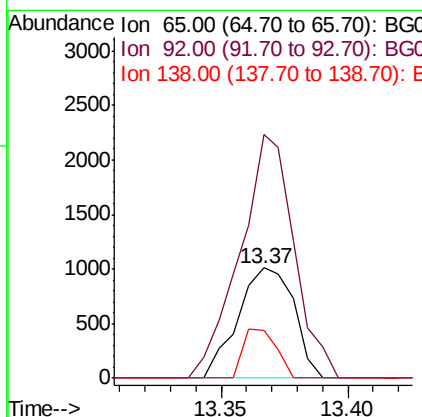
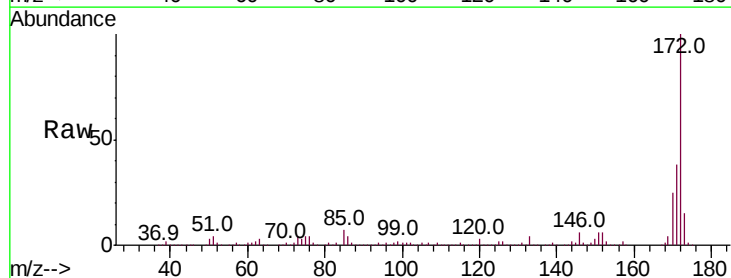
Instrument :
BNA_G
ClientSampleId :

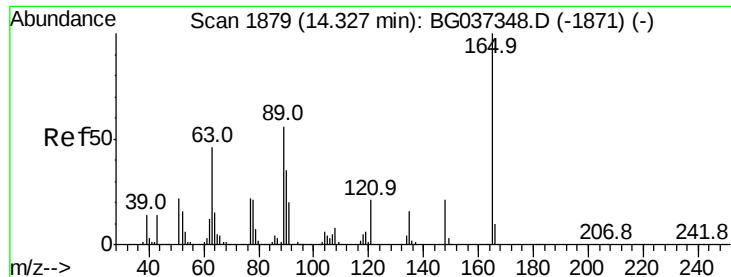
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.0	46.4
170	24.9	20.2	30.2



#48
2-Nitroaniline
Concen: 6.207 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.47 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
65	100		
92	221.2	53.2	79.8#
138	42.9	79.3	118.9#





#51

2,6-Dinitrotoluene

Concen: 12.467 ng

RT: 14.74 min Scan# 1949

Delta R.T. 0.41 min

Lab File: BG037388.D

Acq: 17 Oct 2018 12:47

Instrument :

BNA_G

ClientSampleId :

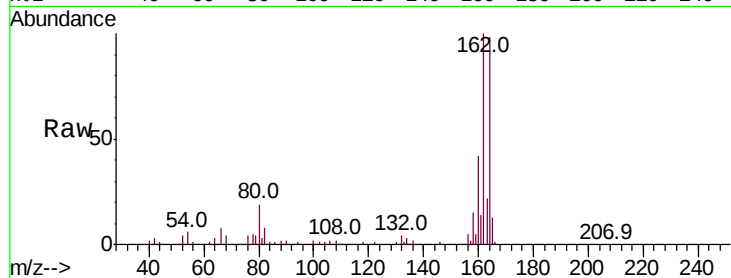
Tot Ion:165 Resp: 23407

Ion Ratio Lower Upper

165 100

63 1.7 43.4 65.2#

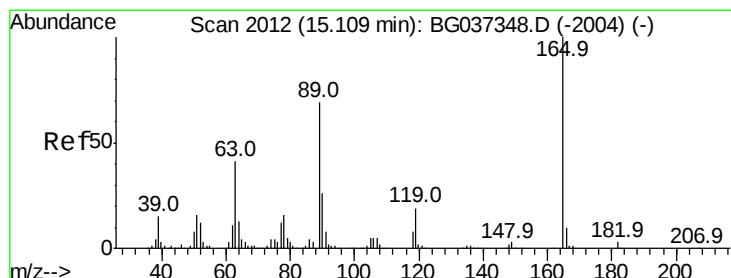
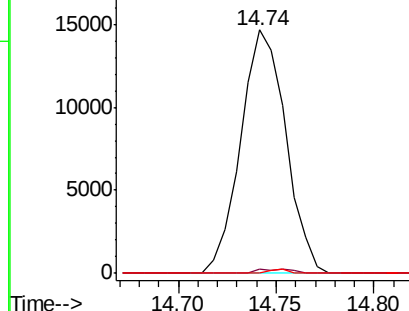
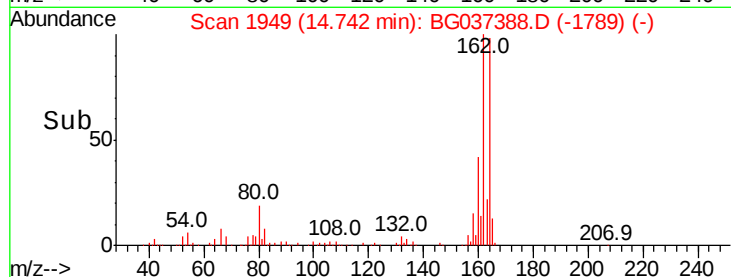
89 0.0 45.8 68.6#



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: 11.309 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.37 min

Lab File: BG037388.D

Acq: 17 Oct 2018 12:47

Tgt Ion:165 Resp: 23407

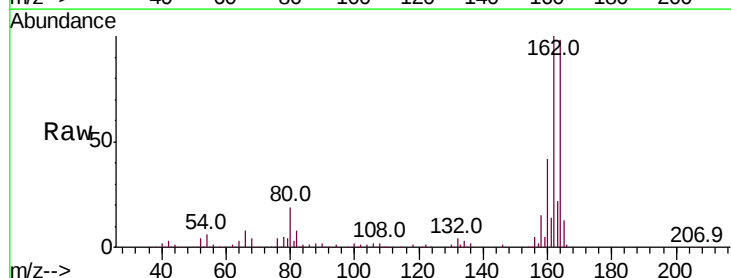
Ion Ratio Lower Upper

165 100

63 1.7 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

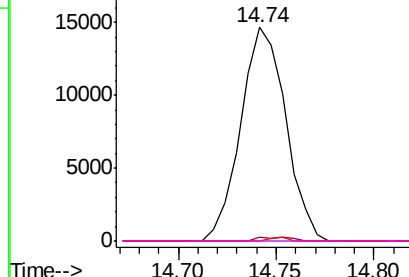
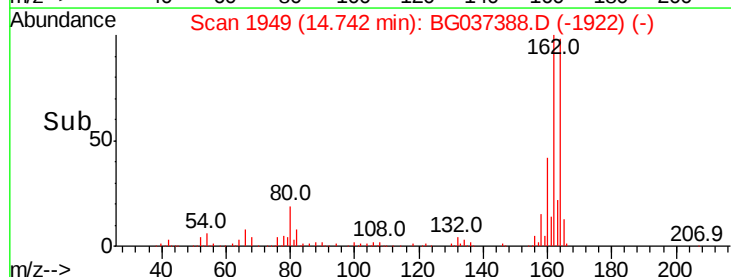


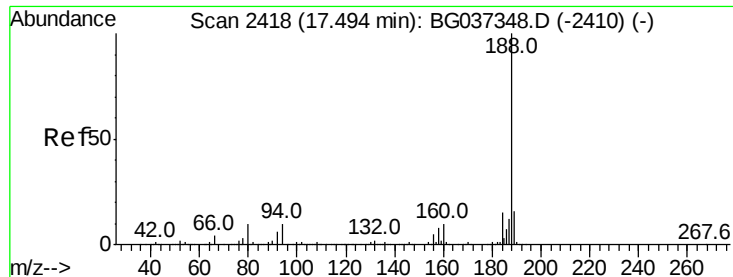
Abundance Ion 165.00 (164.70 to 165.70): E

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

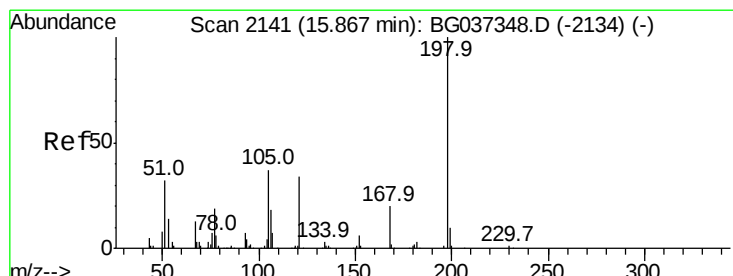
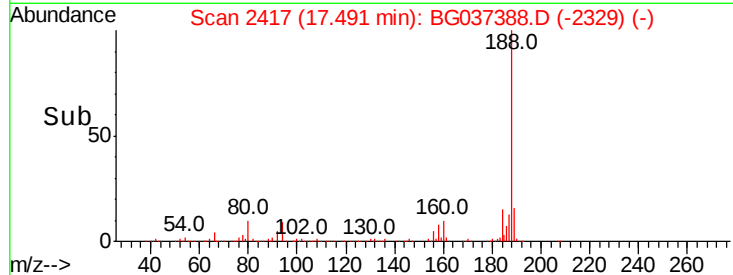
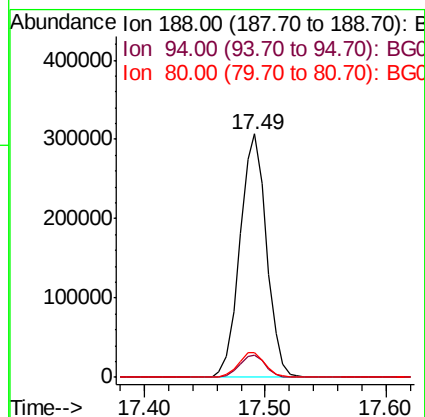
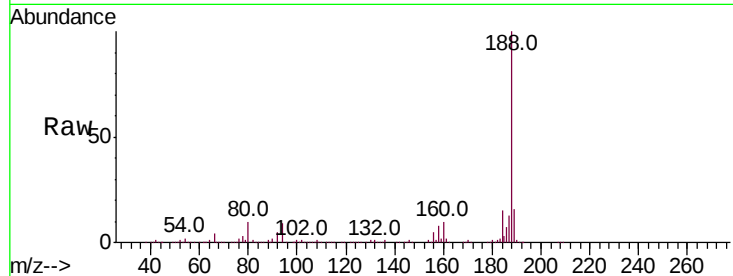




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

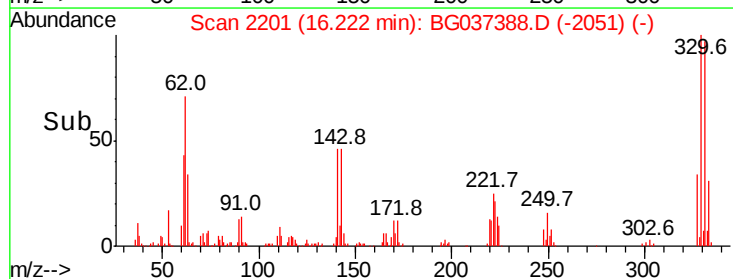
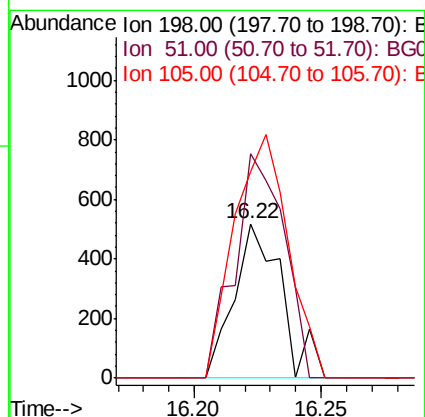
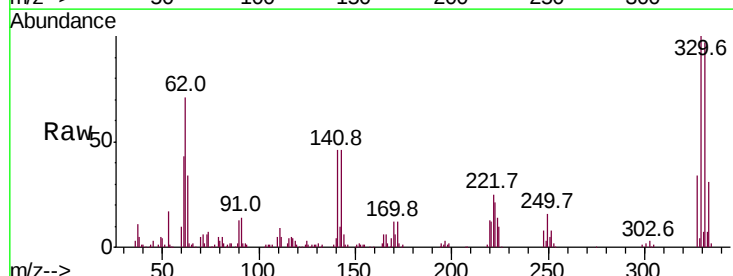
Instrument :
BNA_G
ClientSampleId :

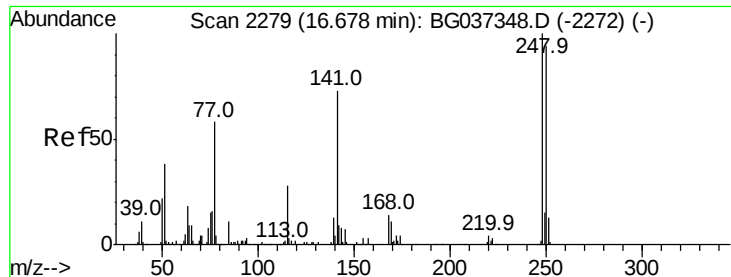
Tot Ion:188 Resp: 471122
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.3 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 6.345 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.35 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

Tgt Ion:198 Resp: 672
Ion Ratio Lower Upper
198 100
51 31.4 22.7 62.7
105 28.9 19.7 59.7

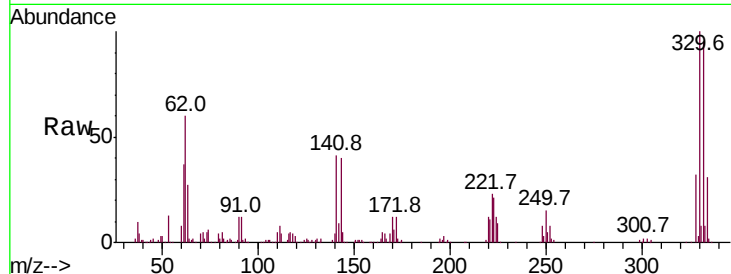




#67
4-Bromophenyl-phenylether
Concen: 3.178 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.46 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.0	77.0	115.6#
141	396.8	55.5	83.3#

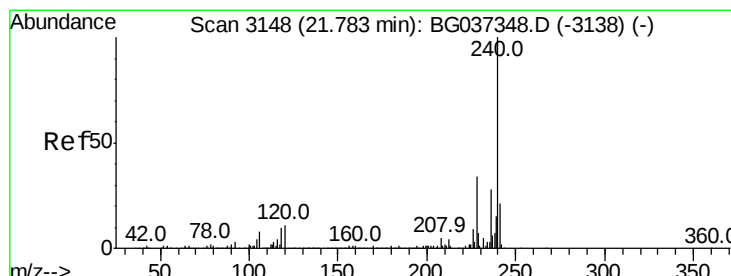
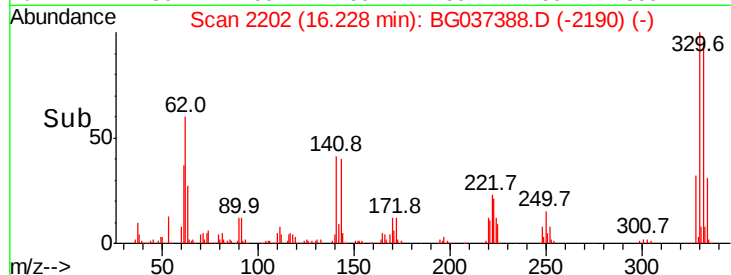
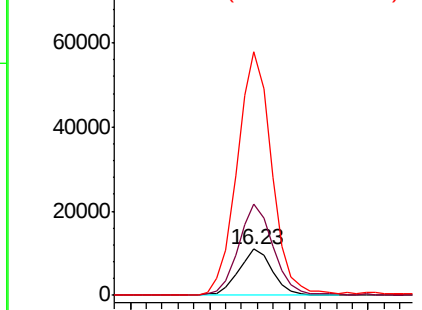


Abundance

Ion 248.00 (247.70 to 248.70): E

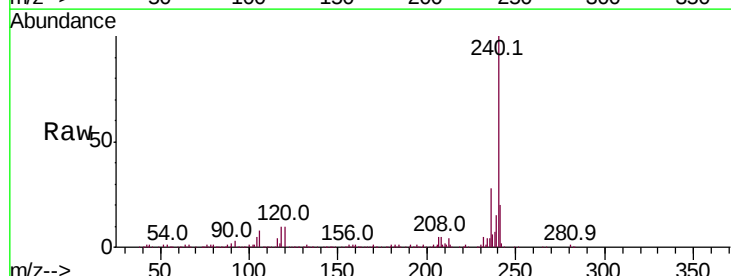
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG037388.D
Acq: 17 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.1	12.1
236	28.2	21.4	32.0

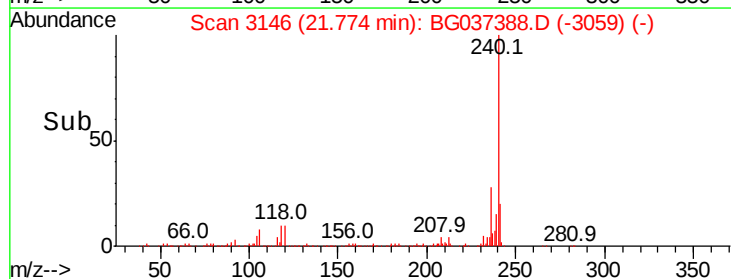
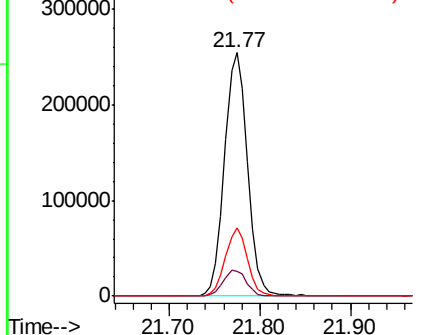


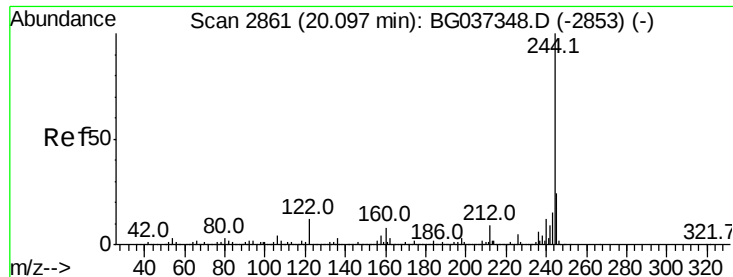
Abundance

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: 71.600 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BG037388.D

Acq: 17 Oct 2018 12:47

Instrument :

BNA_G

ClientSampled :

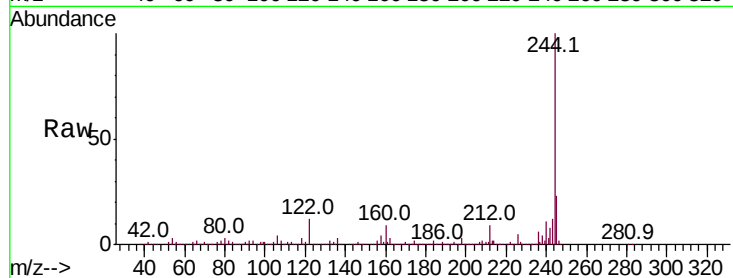
Tot Ion:244 Resp: 1531126

Ion Ratio Lower Upper

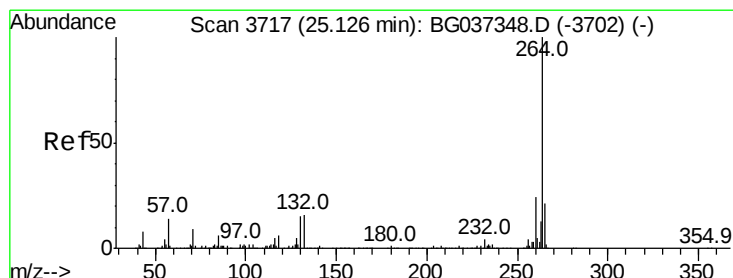
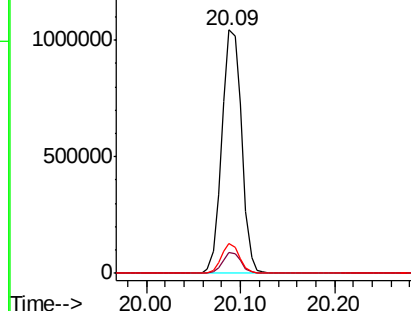
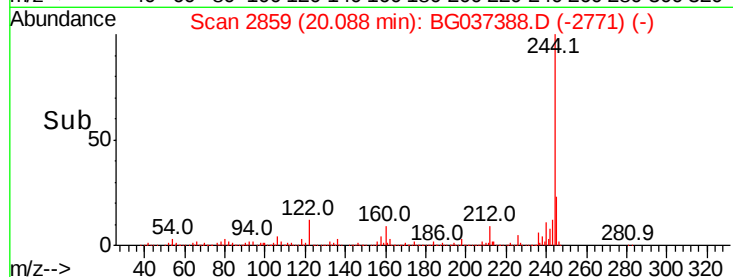
244 100

212 8.7 6.5 9.7

122 12.1 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

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.03 min

Lab File: BG037388.D

Acq: 17 Oct 2018 12:47

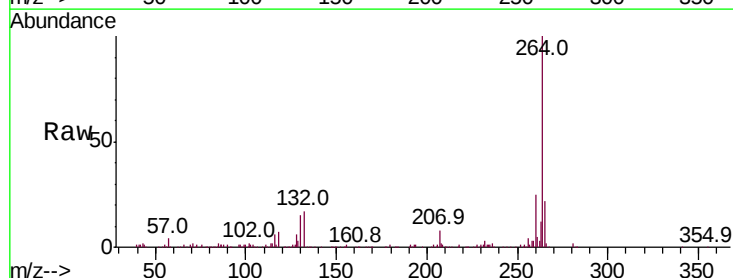
Tgt Ion:264 Resp: 422412

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.4

265 21.9 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

