

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037328.D
 Acq On : 13 Oct 2018 15:53
 Operator : JU/SJ
 Sample : PB113715TB
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:17:06 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

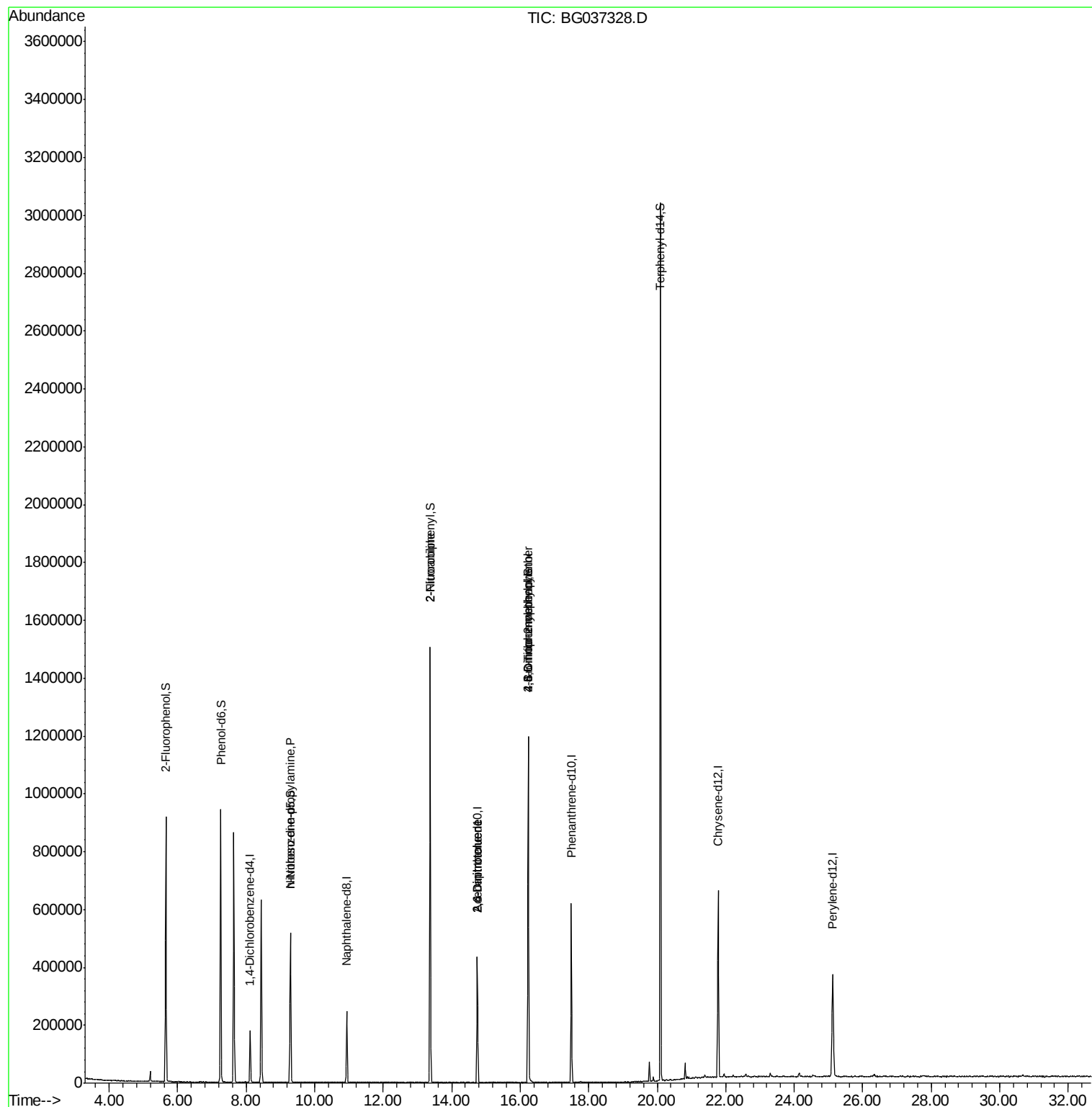
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	54465	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	227018	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	150736	20.00	ng	-0.01
64) Phenanthrene-d10	17.50	188	406338	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	395533	20.00	ng	-0.02
87) Perylene-d12	25.12	264	395258	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	414949	134.08	ng	0.00
7) Phenol-d6	7.26	99	587906	125.16	ng	0.00
23) Nitrobenzene-d5	9.29	82	321595	93.13	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	218957	148.11	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	811233	80.82	ng	-0.01
79) Terphenyl-d14	20.09	244	1473032	78.20	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	40403	11.361	ng	# 71
48) 2-Nitroaniline	13.37	65	1150	6.154	ng	# 1
51) 2,6-Dinitrotoluene	14.75	165	19999	12.631	ng	# 26
57) 2,4-Dinitrotoluene	14.75	165	19999	11.437	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	499	6.289	ng	86
67) 4-Bromophenyl-phenylether	16.23	248	15585	3.554	ng	# 1

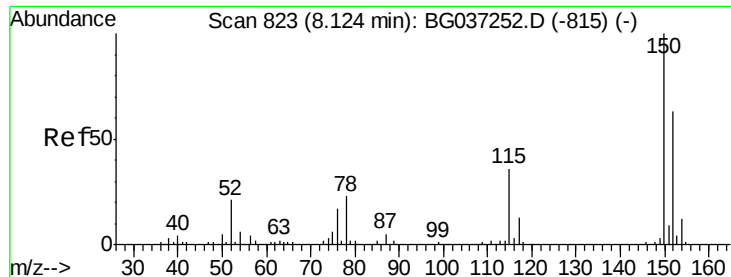
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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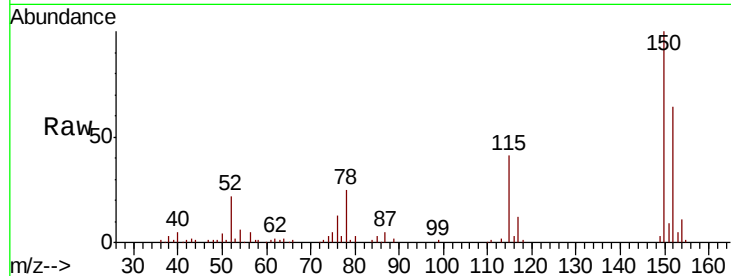


#1

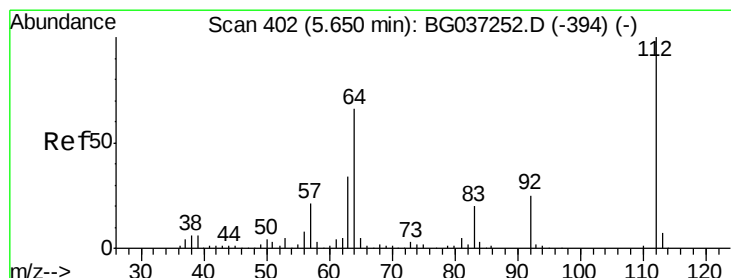
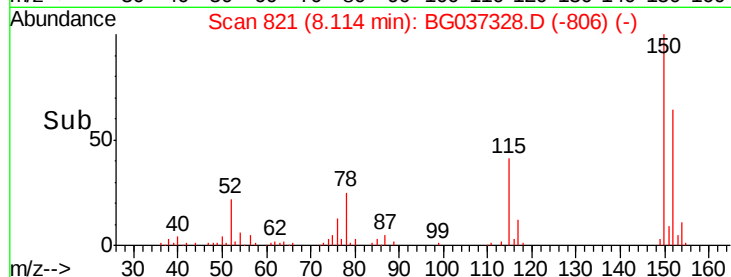
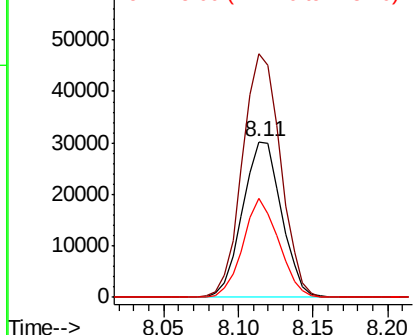
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54465
Ion Ratio Lower Upper
152 100
150 156.7 126.0 189.0
115 63.9 45.5 68.3



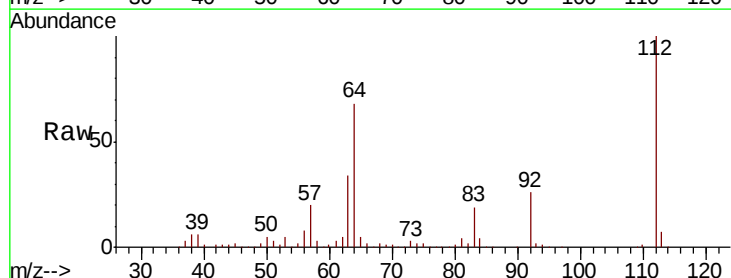
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



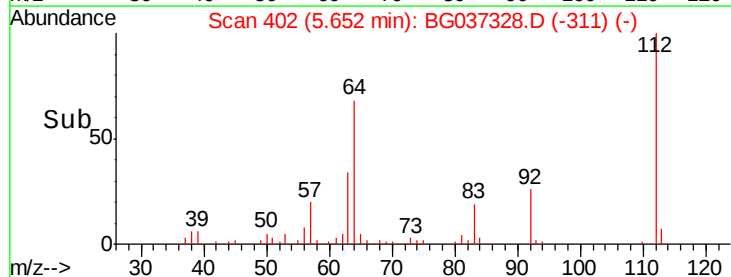
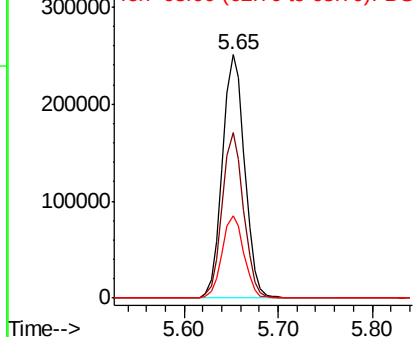
#5

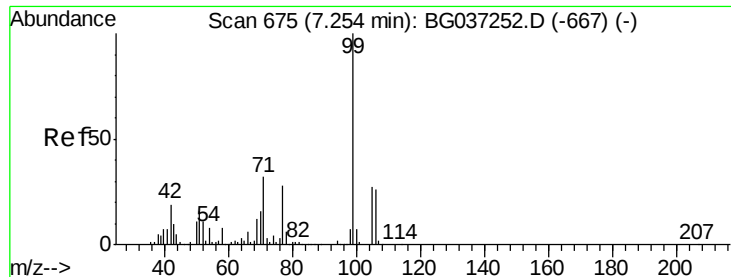
2-Fluorophenol
Concen: 134.081 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

Tgt Ion:112 Resp: 414949
Ion Ratio Lower Upper
112 100
64 68.0 53.1 79.7
63 33.8 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: 125.157 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037328.D

Acq: 13 Oct 2018 15:53

Instrument :

BNA_G

ClientSampleId :

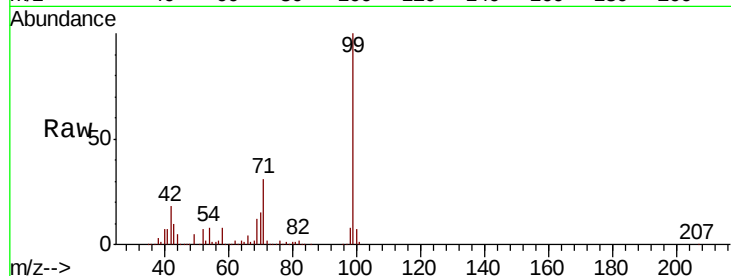
Tot Ion: 99 Resp: 587906

Ion Ratio Lower Upper

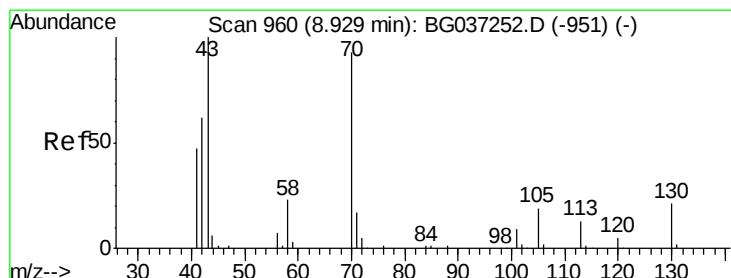
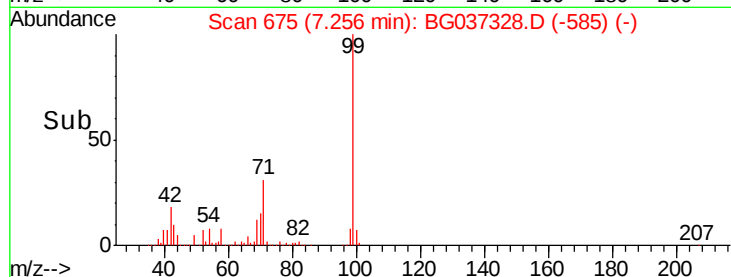
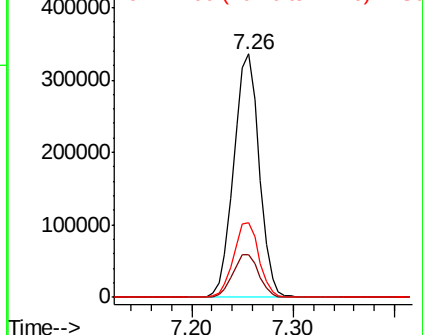
99 100

42 17.7 15.0 22.4

71 30.8 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: 11.361 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037328.D

Acq: 13 Oct 2018 15:53

Tgt Ion: 70 Resp: 40403

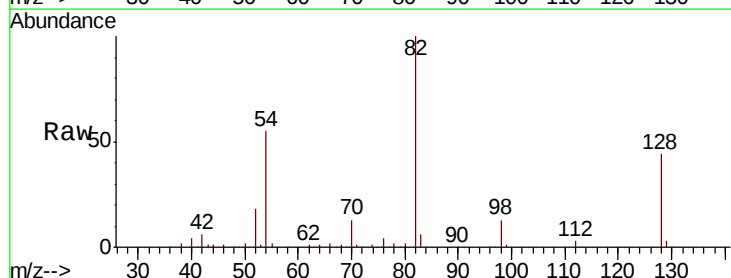
Ion Ratio Lower Upper

70 100

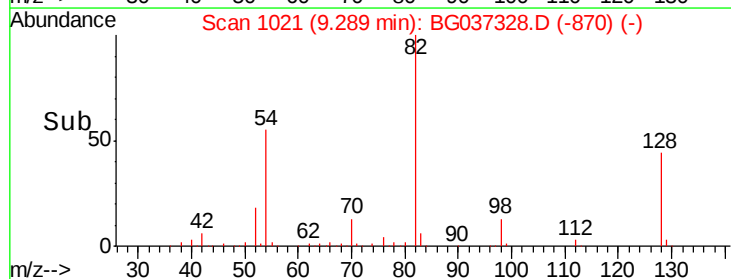
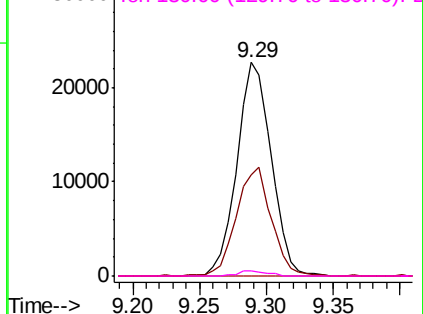
42 47.2 53.9 80.9#

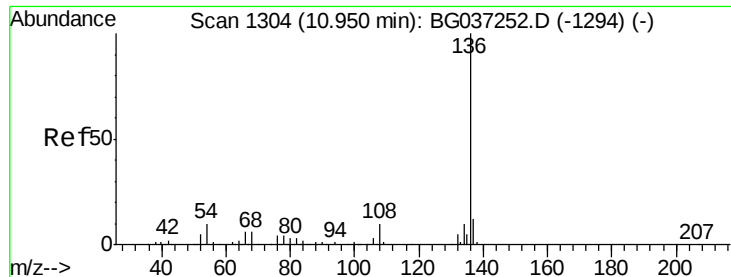
101 0.0 8.2 12.2#

130 2.3 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

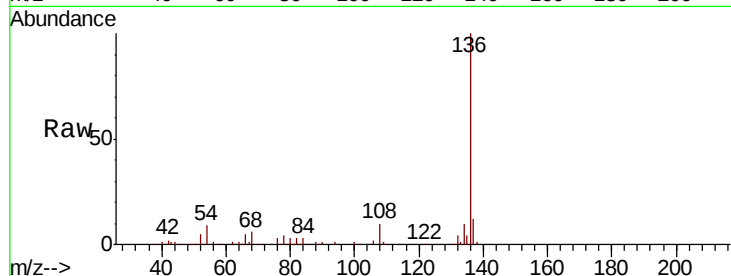




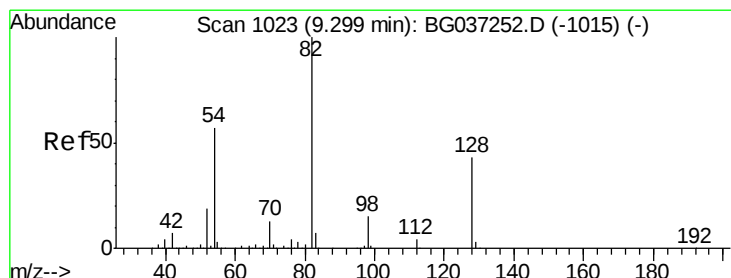
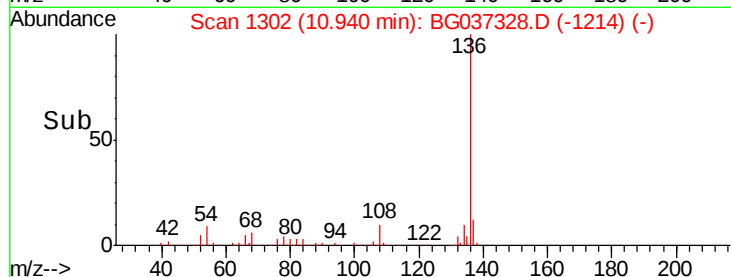
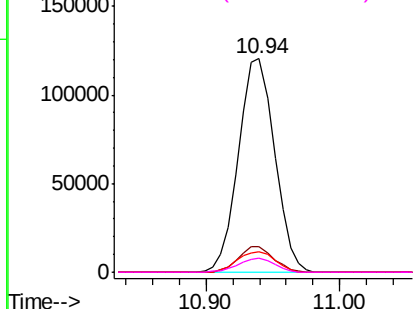
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	227018
Ion Ratio	Lower	Upper
136 100		
137 12.1	9.6	14.4
54 9.3	7.9	11.9
68 6.3	4.8	7.2

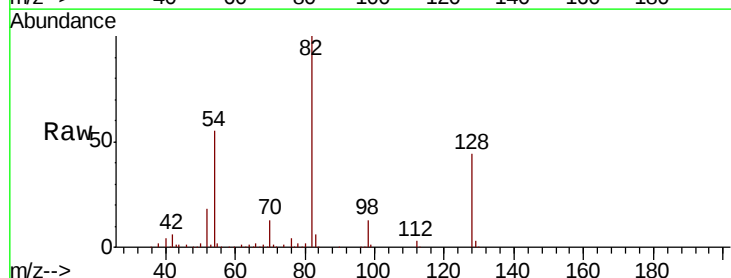


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

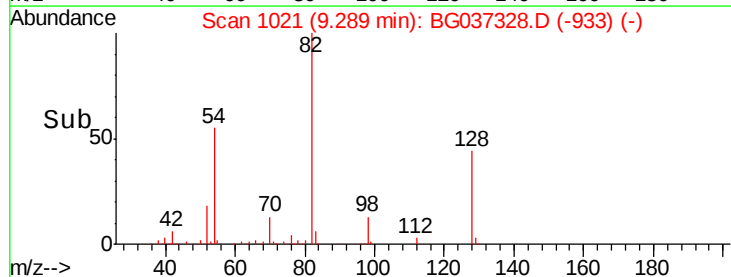
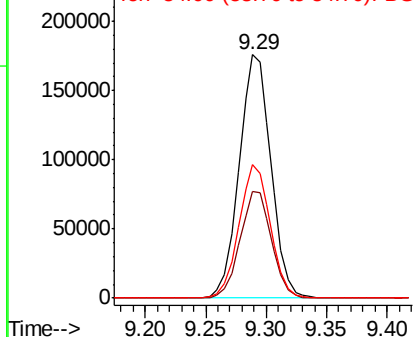


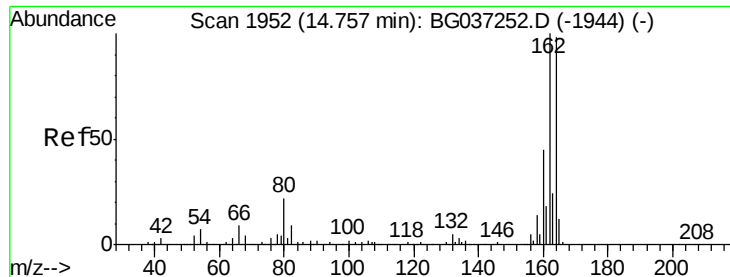
#23
Nitrobenzene-d5
Concen: 93.134 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

Tgt	Ion: 82	Resp:	321595
Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.6	51.8
54	54.9	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: 14.75 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG037328.D

Acq: 13 Oct 2018 15:53

Instrument :

BNA_G

ClientSampleId :

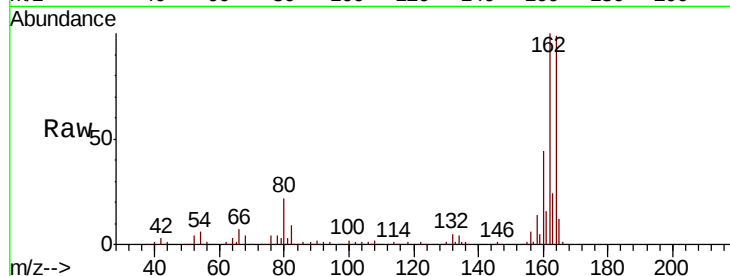
Tot Ion:164 Resp: 150736

Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

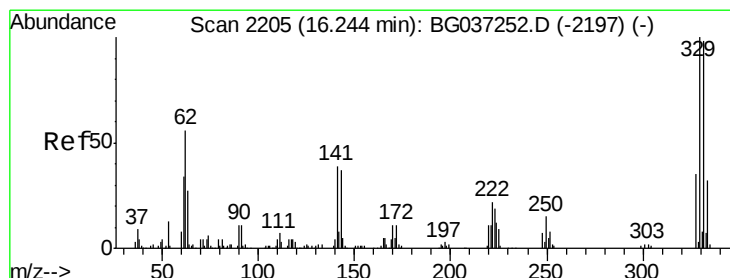
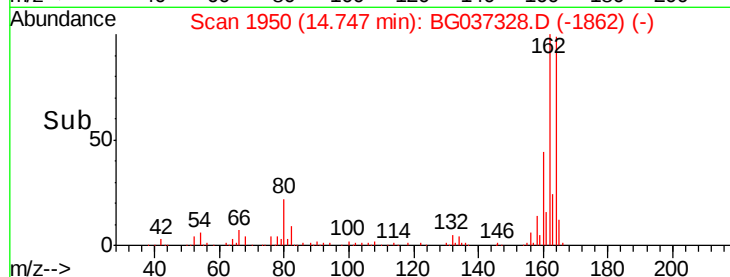
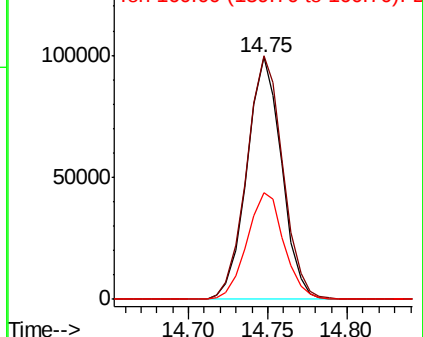
160 44.2 36.3 54.5



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: 148.114 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037328.D

Acq: 13 Oct 2018 15:53

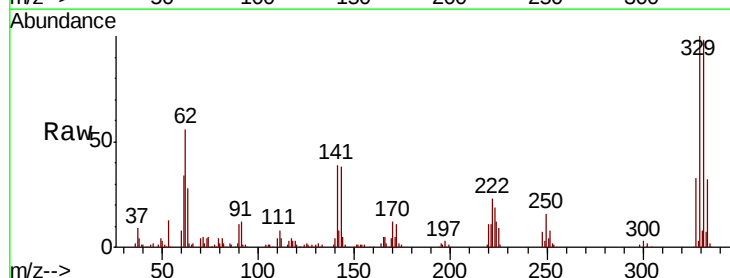
Tgt Ion:330 Resp: 218957

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

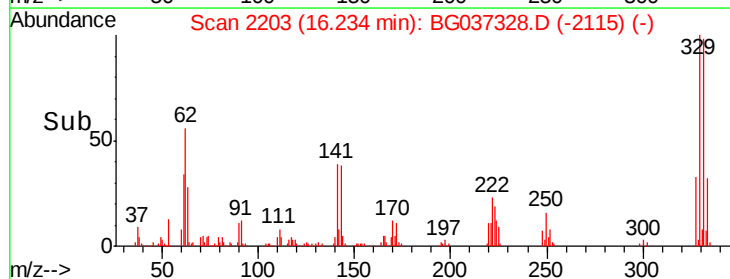
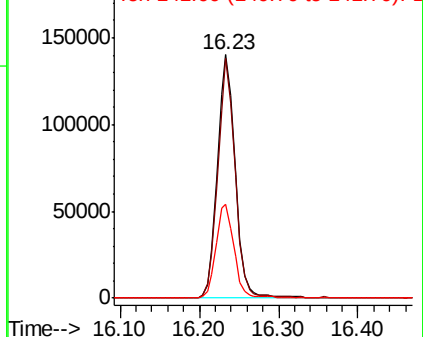
141 38.9 32.2 48.2

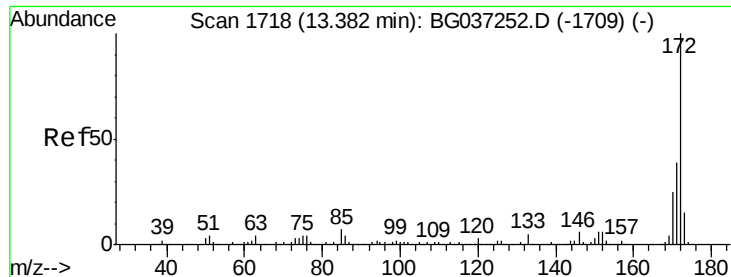


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

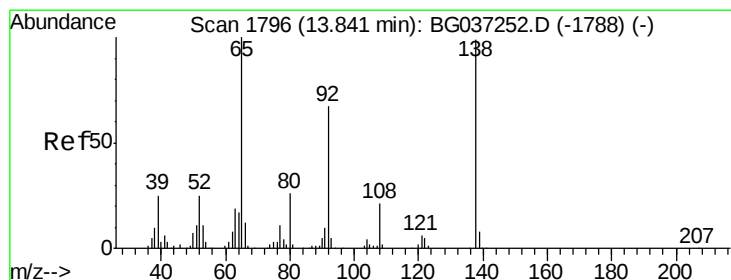
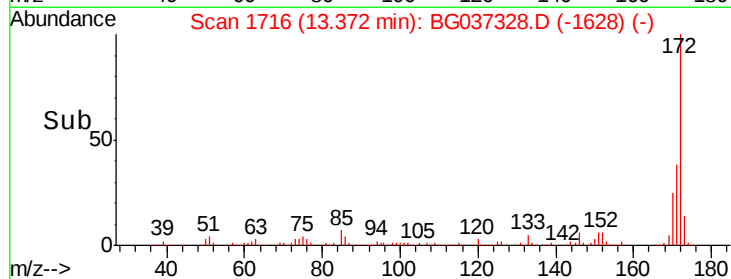
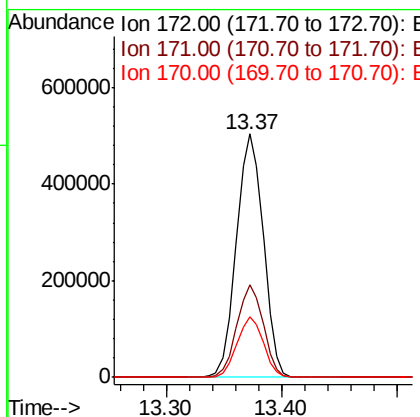
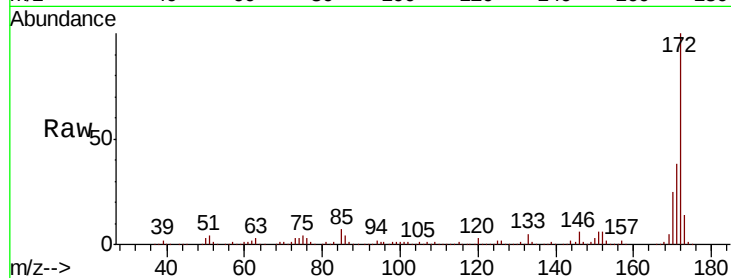




#45
 2-Fluorobiphenyl
 Concen: 80.822 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG037328.D
 Acq: 13 Oct 2018 15:53

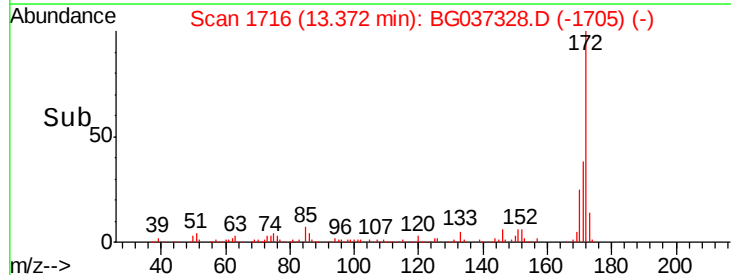
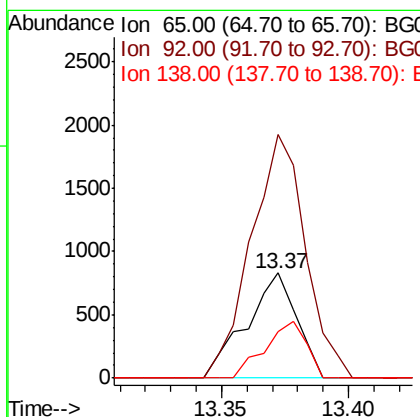
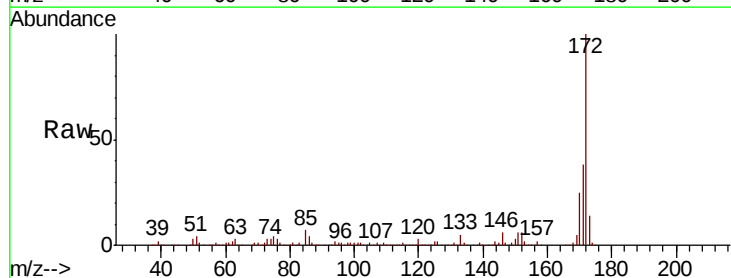
Instrument :
 BNA_G
 ClientSampleId :

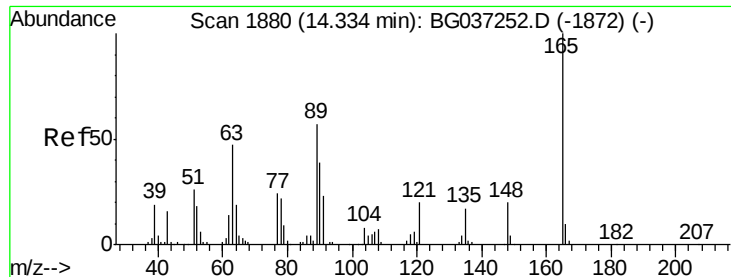
Tot Ion:172 Resp: 811233
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.0 46.4
 170 25.0 20.2 30.2



#48
 2-Nitroaniline
 Concen: 6.154 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.47 min
 Lab File: BG037328.D
 Acq: 13 Oct 2018 15:53

Tgt Ion: 65 Resp: 1150
 Ion Ratio Lower Upper
 65 100
 92 231.8 53.2 79.8#
 138 44.0 79.3 118.9#

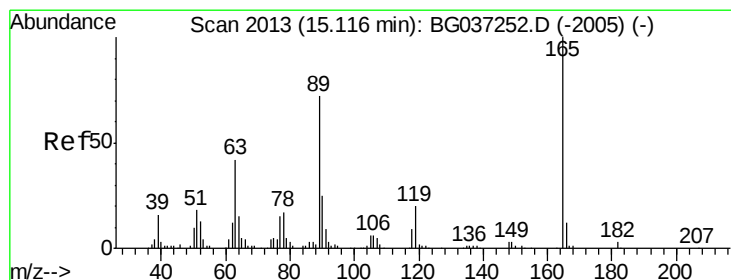
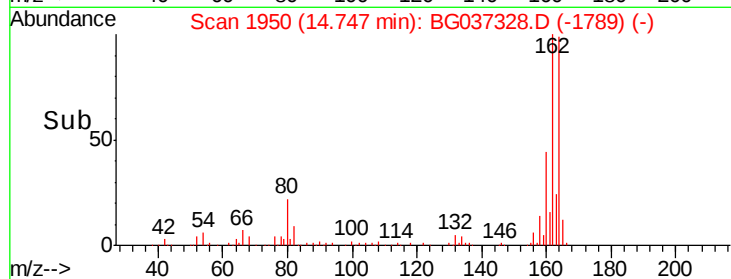
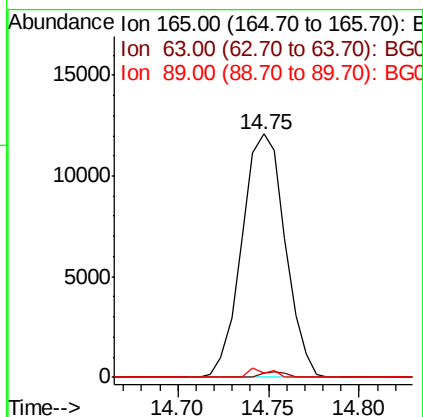
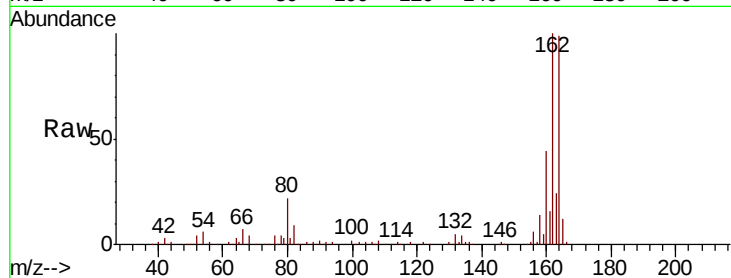




#51
 2,6-Dinitrotoluene
 Concen: 12.631 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037328.D
 Acq: 13 Oct 2018 15:53

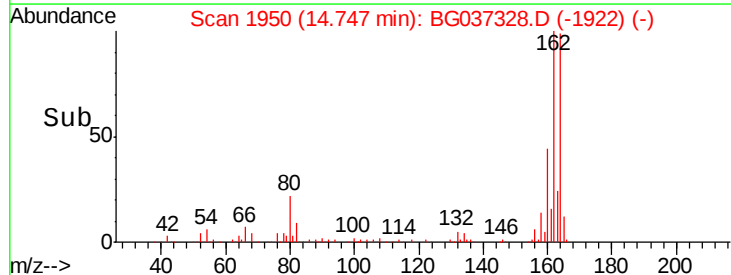
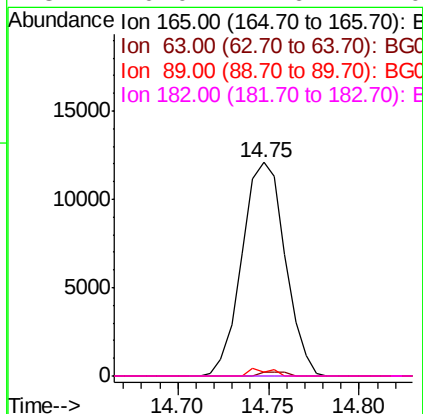
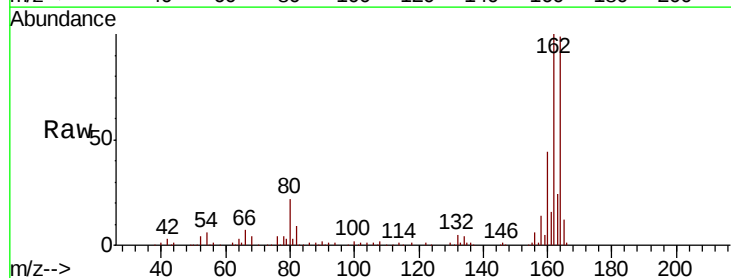
Instrument :
 BNA_G
 ClientSampleId :

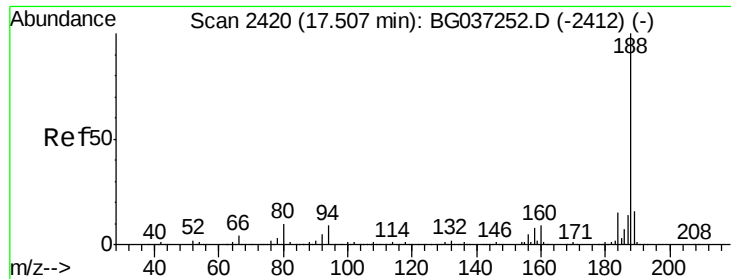
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.2#
89	1.6	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 11.437 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037328.D
 Acq: 13 Oct 2018 15:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.4	50.0#
89	1.6	57.2	85.8#
182	0.0	2.6	4.0#

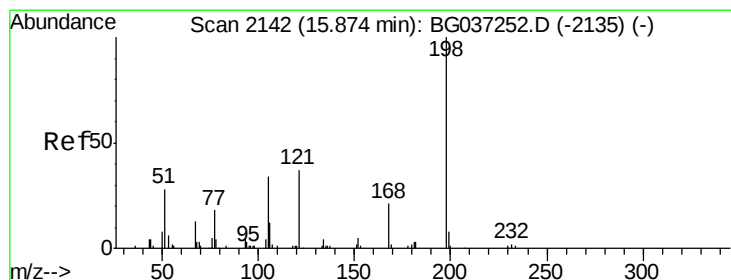
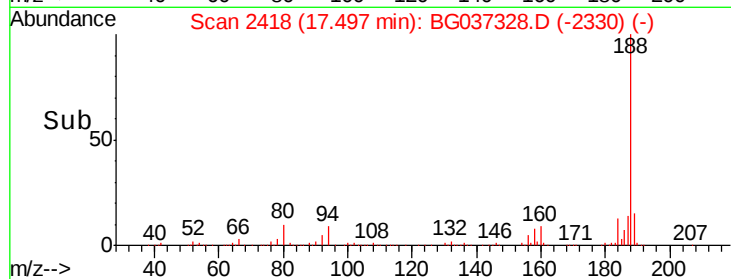
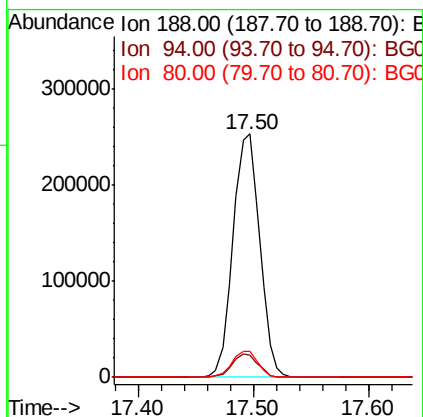
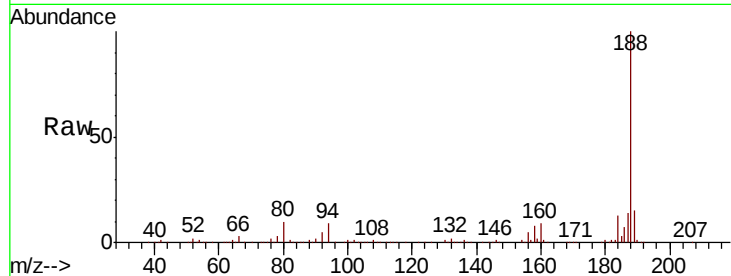




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

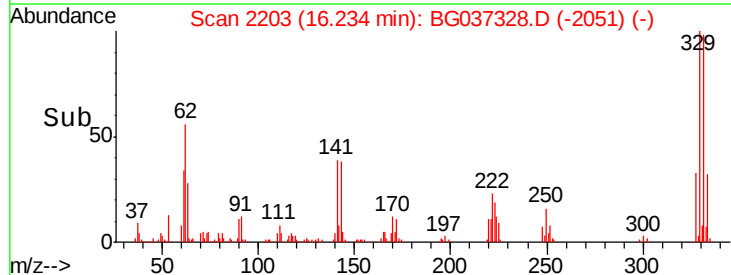
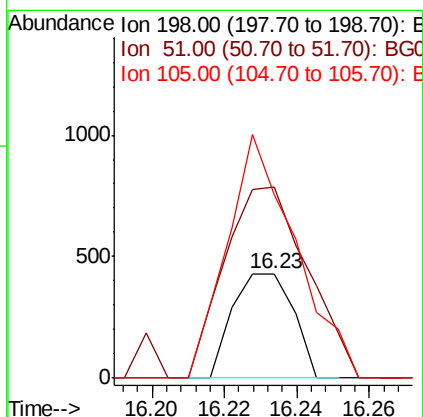
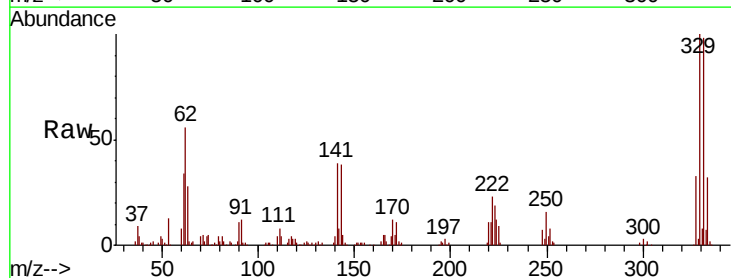
Instrument :
BNA_G
ClientSampleId :

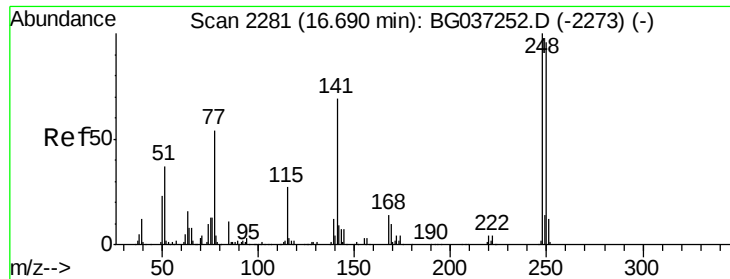
Tot Ion:188 Resp: 406338
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 10.4 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 6.289 ng
RT: 16.23 min Scan# 2203
Delta R.T. 0.36 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

Tgt Ion:198 Resp: 499
Ion Ratio Lower Upper
198 100
51 33.2 22.7 62.7
105 31.9 19.7 59.7

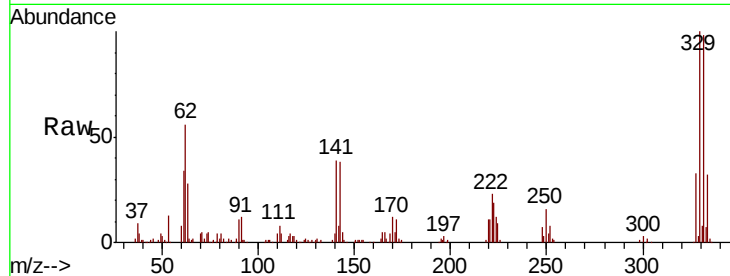




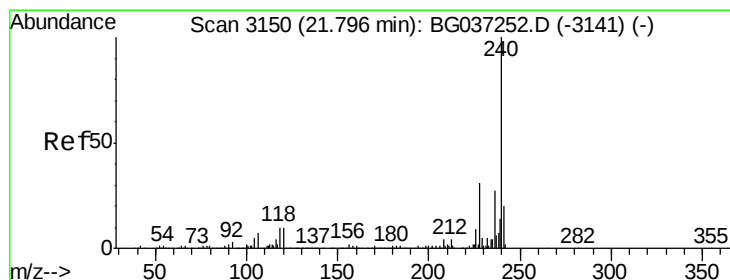
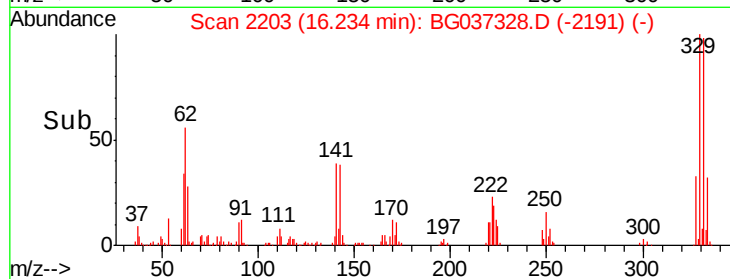
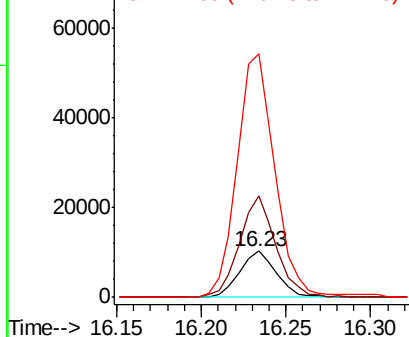
#67
4-Bromophenyl-phenylether
Concen: 3.554 ng
RT: 16.23 min Scan# 2203
Delta R.T. -0.46 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	208.4	77.0	115.6#
141	392.5	55.5	83.3#

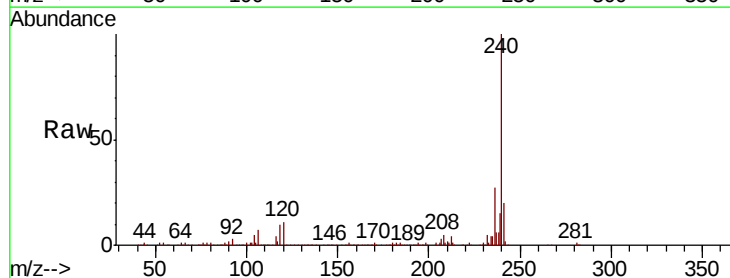


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

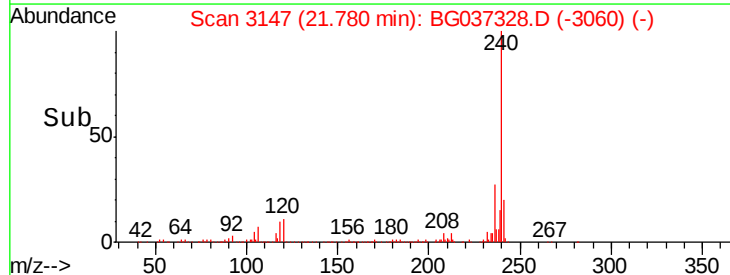
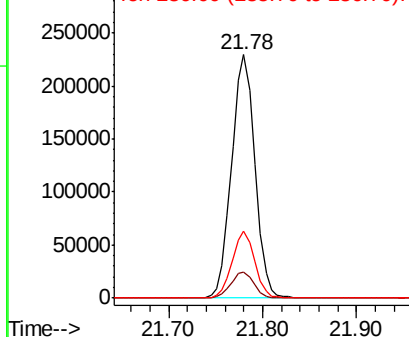


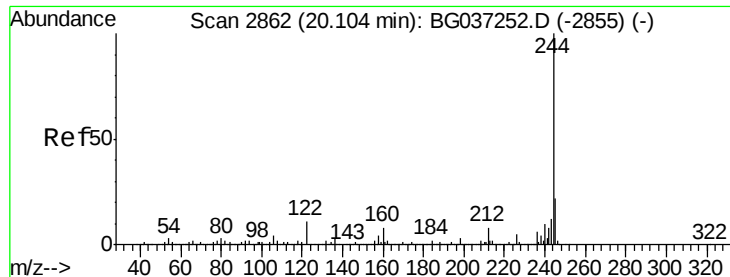
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3147
Delta R.T. -0.02 min
Lab File: BG037328.D
Acq: 13 Oct 2018 15:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.1	12.1
236	27.4	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

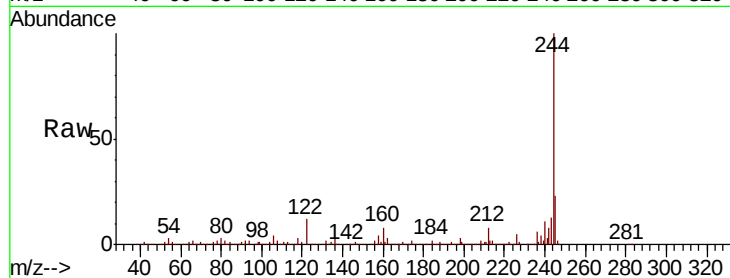




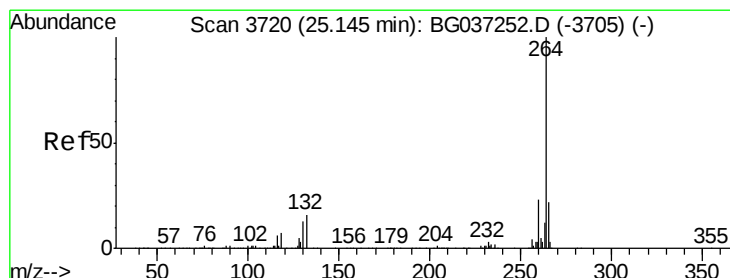
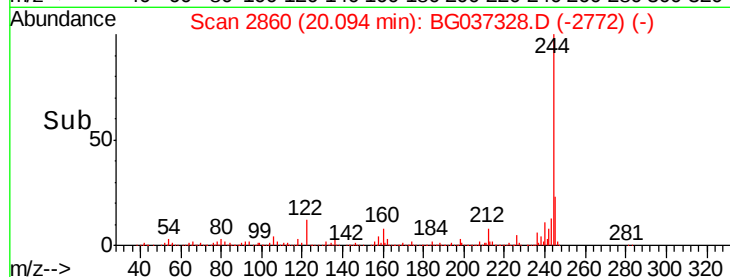
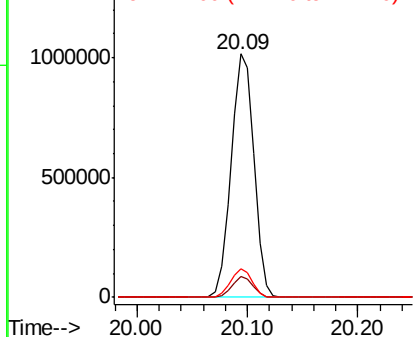
#79
 Terphenyl-d14
 Concen: 78.198 ng
 RT: 20.09 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BG037328.D
 Acq: 13 Oct 2018 15:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1473032
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 11.8 9.0 13.4

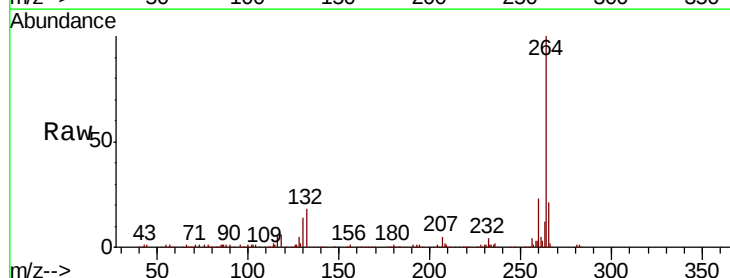


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.12 min Scan# 3716
 Delta R.T. -0.02 min
 Lab File: BG037328.D
 Acq: 13 Oct 2018 15:53

Tgt Ion:264 Resp: 395258
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.2 27.4
 265 21.4 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

