

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\
 Data File : BG037968.D
 Acq On : 13 Nov 2018 6:36
 Operator : JU/SJ
 Sample : J5904-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 13 11:38:05 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

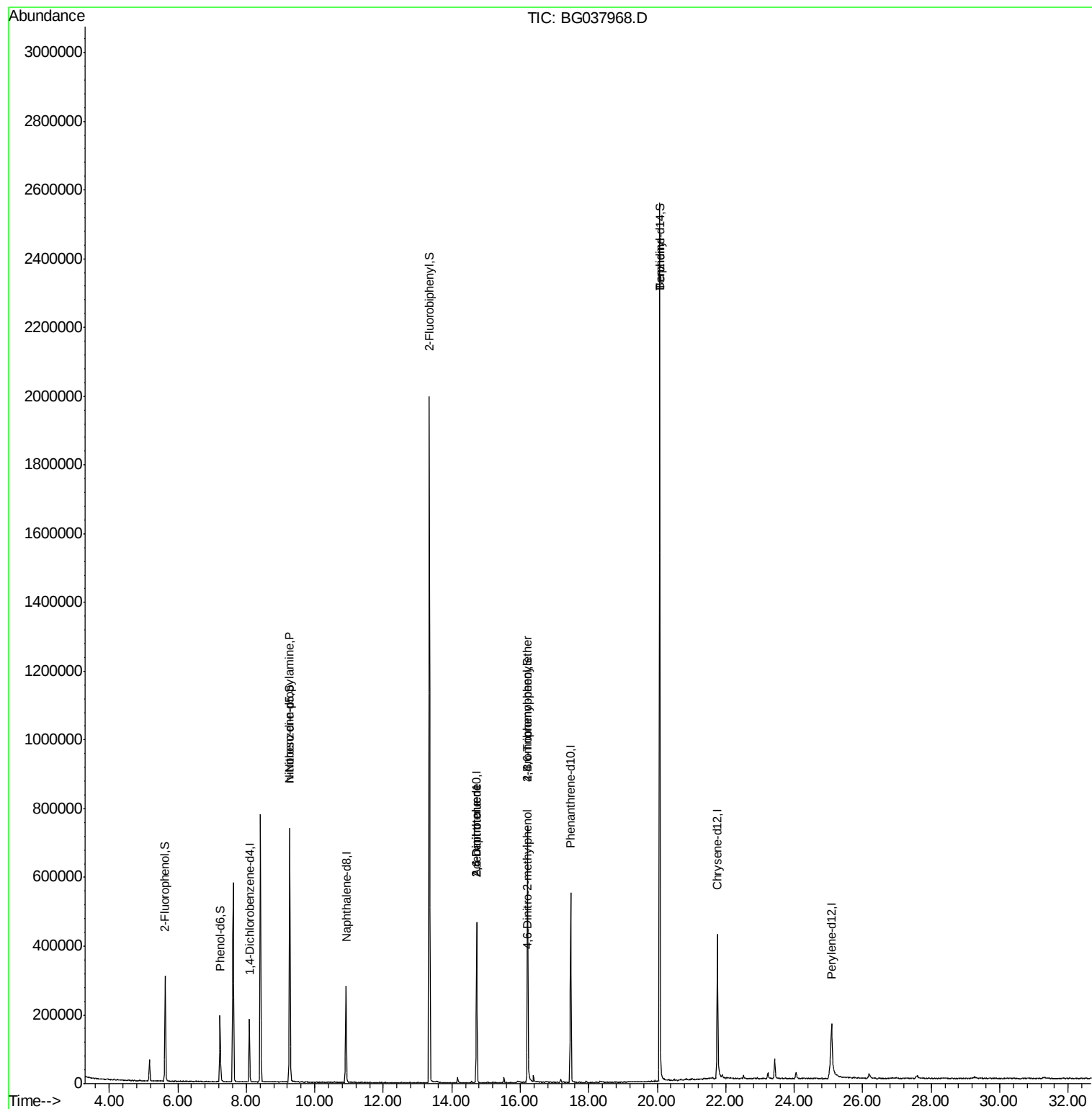
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	56248	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	261601	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	170567	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	360923	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	304531	20.00	ng	-0.02
87) Perylene-d12	25.09	264	258878	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	144044	42.81	ng	-0.01
7) Phenol-d6	7.23	99	129442	25.44	ng	-0.02
23) Nitrobenzene-d5	9.27	82	473489	101.39	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	146979	79.01	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1100703	97.31	ng	-0.02
79) Terphenyl-d14	20.07	244	1297492	91.04	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	58622	16.734	ng	# 73
51) 2,6-Dinitrotoluene	14.72	165	22226	7.614	ng	# 24
57) 2,4-Dinitrotoluene	14.72	165	22226	5.800	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.19	198	54	8.531	ng	# 1
67) 4-Bromophenyl-phenylether	16.21	248	10344	2.610	ng	# 1
77) Benzidine	20.07	184	21262	2.053	ng	# 96

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

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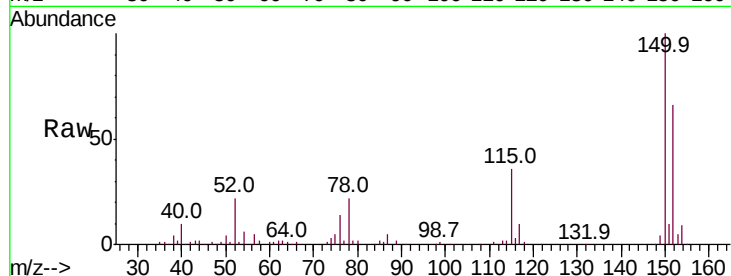


#1

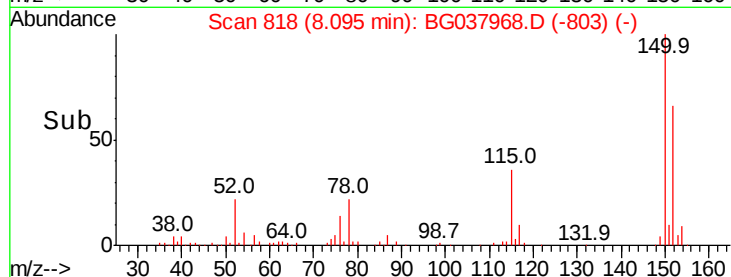
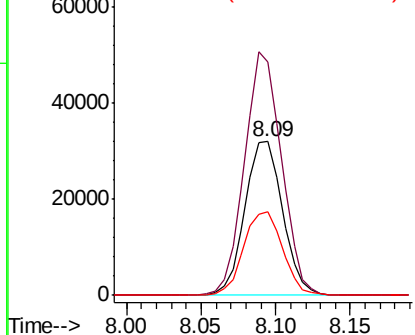
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037968.D
Acq: 13 Nov 2018 6:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56248
Ion Ratio Lower Upper
152 100
150 151.8 126.0 189.0
115 54.6 45.5 68.3



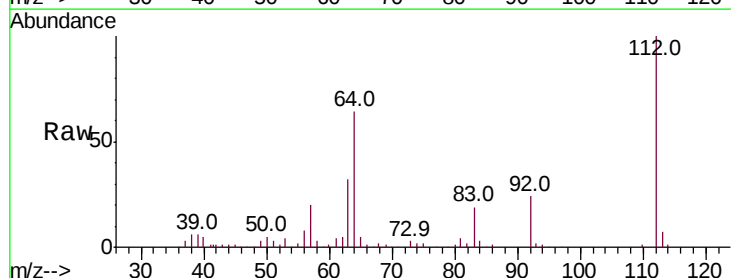
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



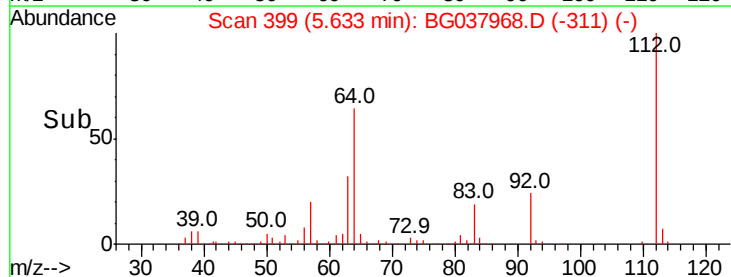
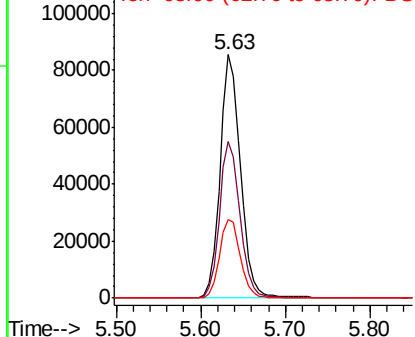
#5

2-Fluorophenol
Concen: 42.814 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037968.D
Acq: 13 Nov 2018 6:36

Tgt Ion:112 Resp: 144044
Ion Ratio Lower Upper
112 100
64 64.2 53.1 79.7
63 32.4 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: 25.444 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037968.D

Acq: 13 Nov 2018 6:36

Instrument :

BNA_G

ClientSampleId :

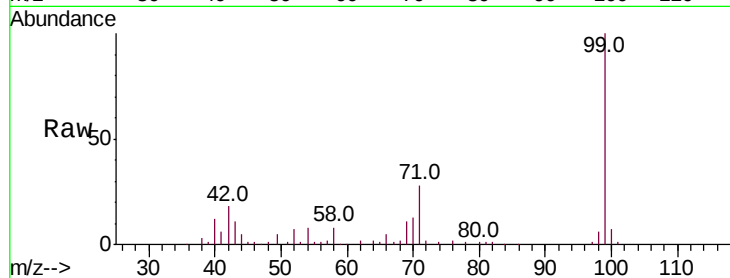
Tot Ion: 99 Resp: 129442

Ion Ratio Lower Upper

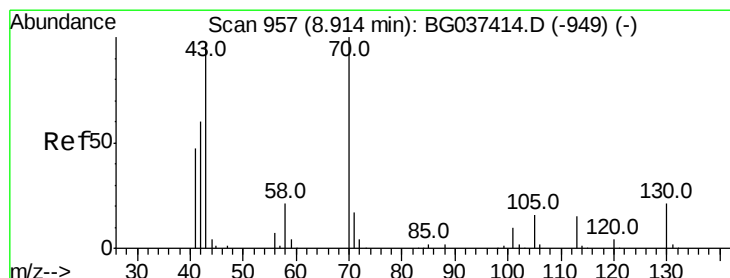
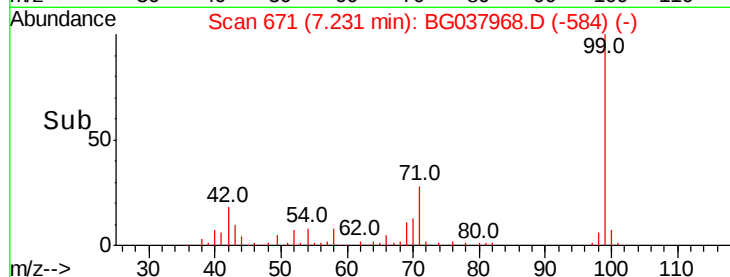
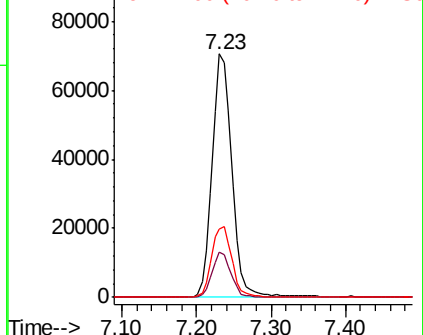
99 100

42 18.3 15.0 22.4

71 28.2 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: 16.734 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037968.D

Acq: 13 Nov 2018 6:36

Tgt Ion: 70 Resp: 58622

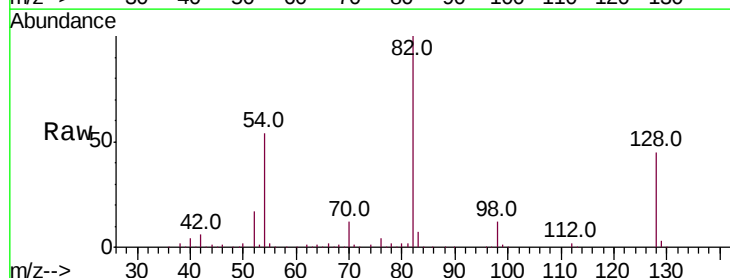
Ion Ratio Lower Upper

70 100

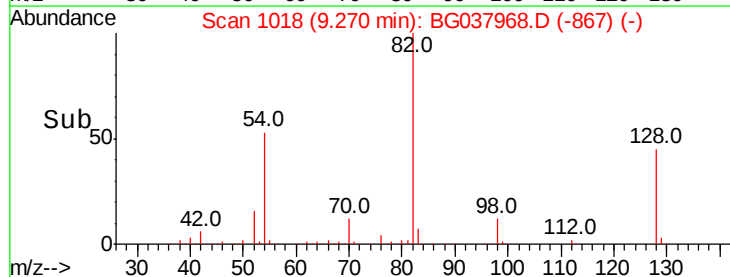
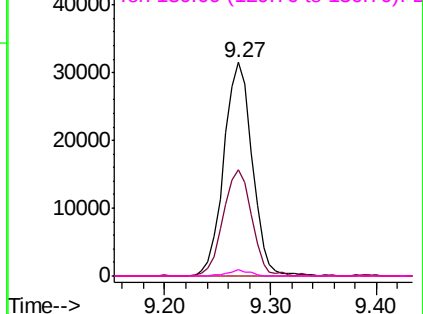
42 49.7 53.9 80.9#

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

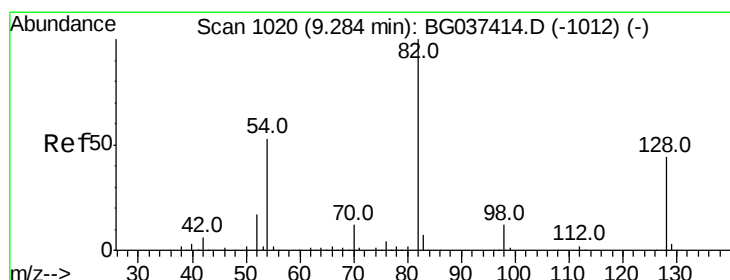
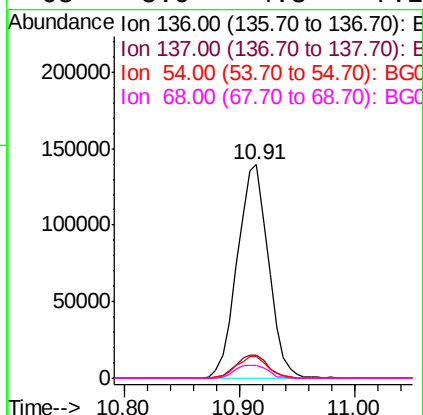
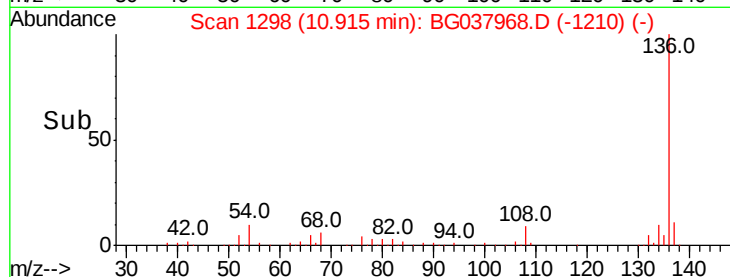
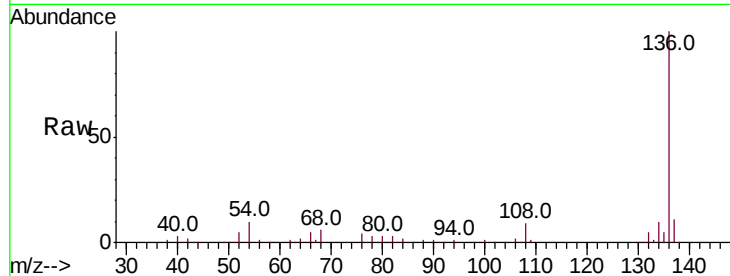




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037968.D
Acq: 13 Nov 2018 6:36

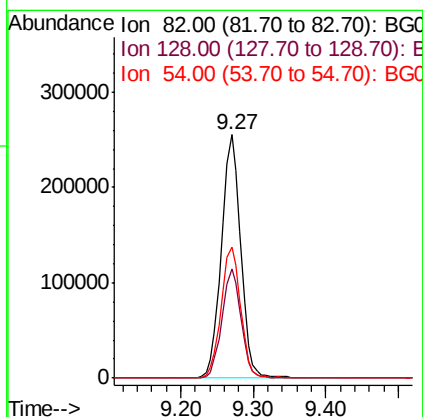
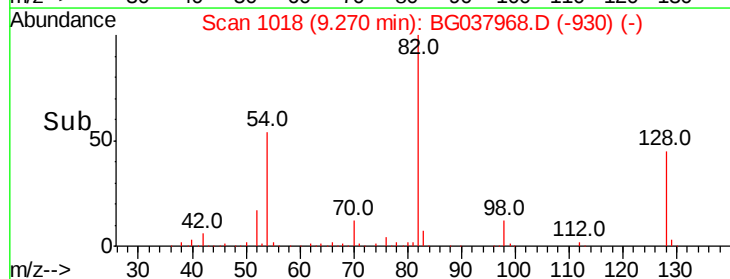
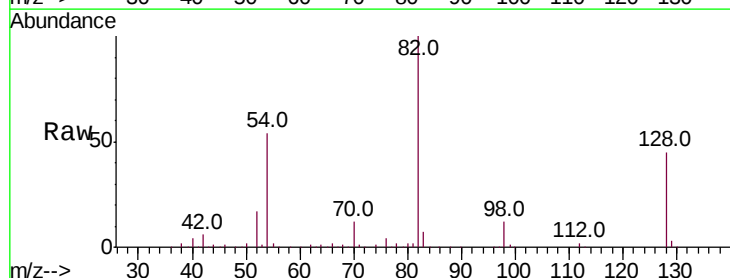
Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	261601
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.6	14.4
54	10.1	7.9	11.9
68	5.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 101.392 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037968.D
Acq: 13 Nov 2018 6:36

Tgt Ion:	82	Resp:	473489
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.6	51.8
54	53.6	45.3	67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037968.D

Acq: 13 Nov 2018 6:36

Instrument :

BNA_G

ClientSampleId :

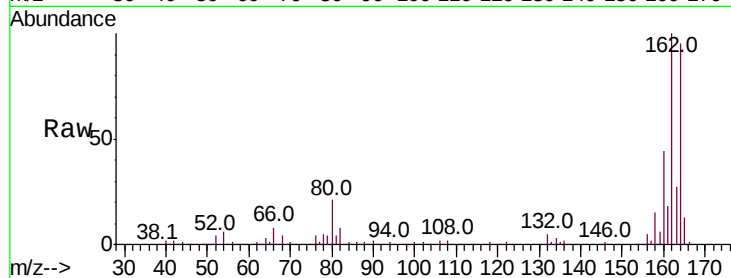
Tot Ion:164 Resp: 170567

Ion Ratio Lower Upper

164 100

162 104.8 81.3 121.9

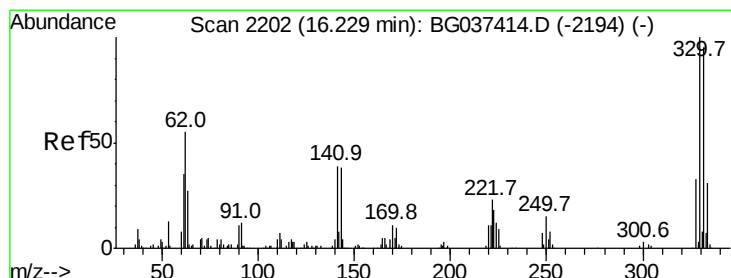
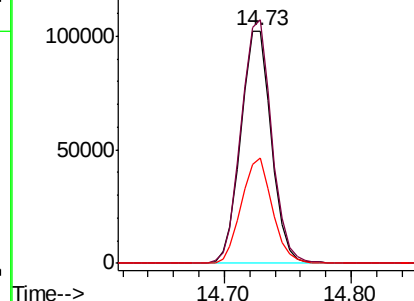
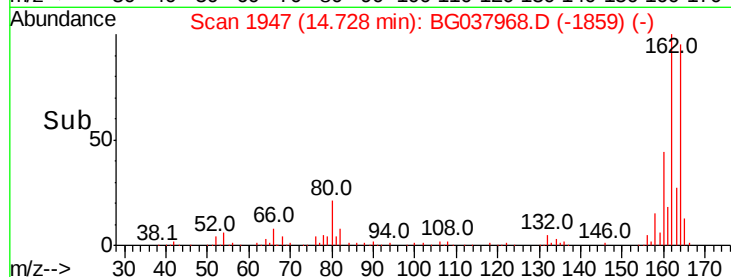
160 45.6 36.3 54.5



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: 79.006 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037968.D

Acq: 13 Nov 2018 6:36

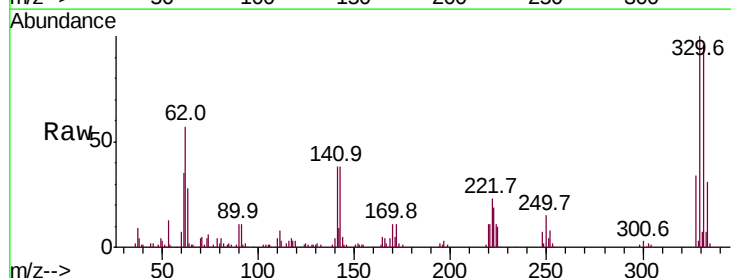
Tgt Ion:330 Resp: 146979

Ion Ratio Lower Upper

330 100

332 94.9 78.4 117.6

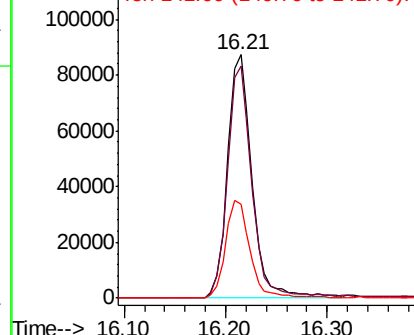
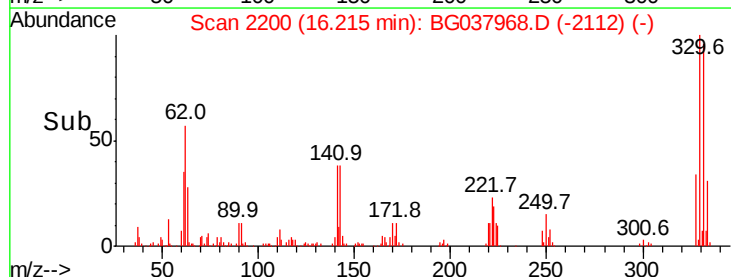
141 39.7 32.2 48.2

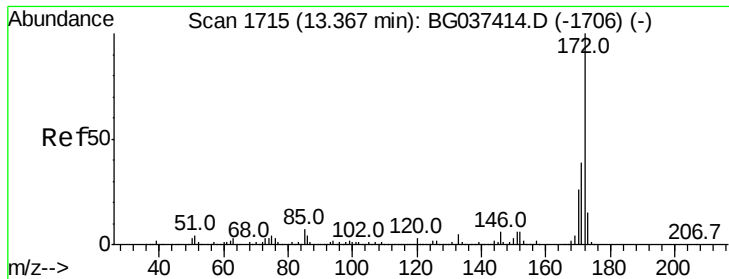


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



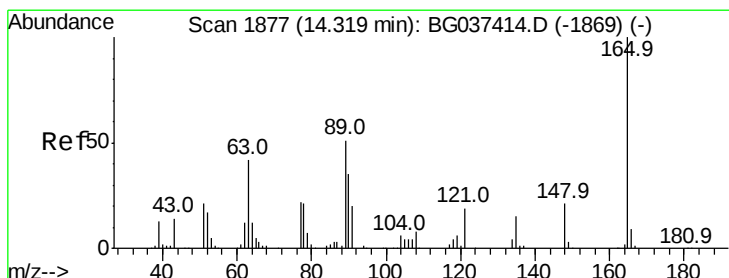
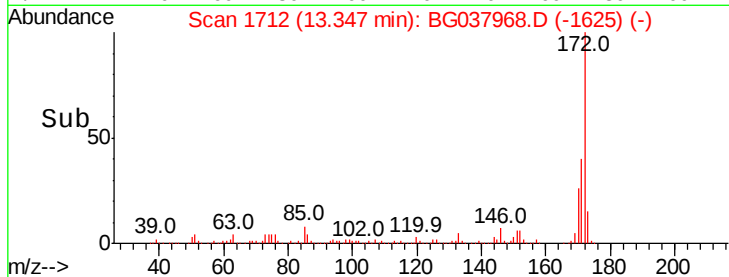
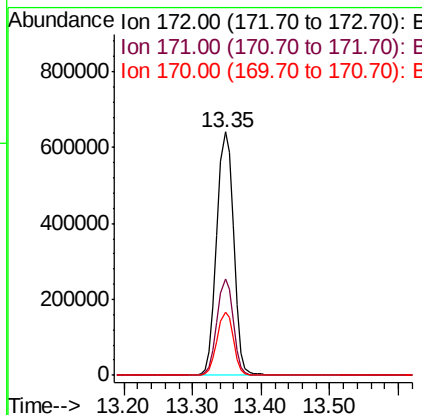
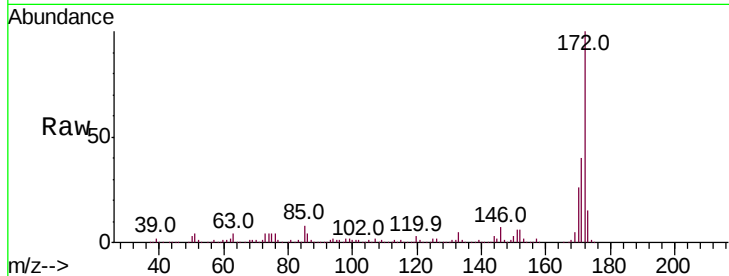


#45
 2-Fluorobiphenyl
 Concen: 97.311 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1100703

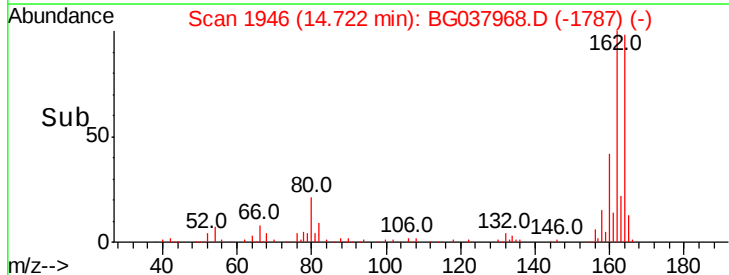
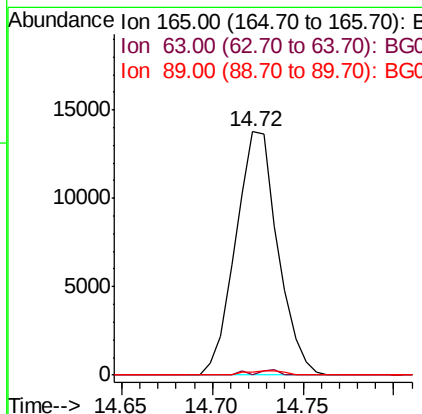
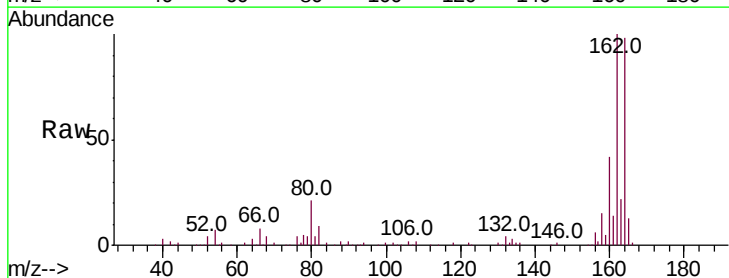
Ion	Ratio	Lower	Upper
172	100		
171	39.8	31.0	46.4
170	26.0	20.2	30.2

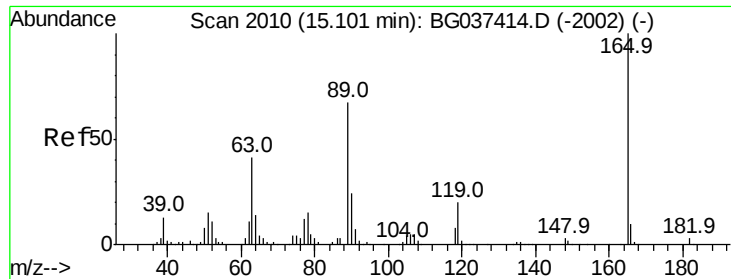


#51
 2,6-Dinitrotoluene
 Concen: 7.614 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.40 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

Tgt Ion:165 Resp: 22226

Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.1	45.8	68.6#

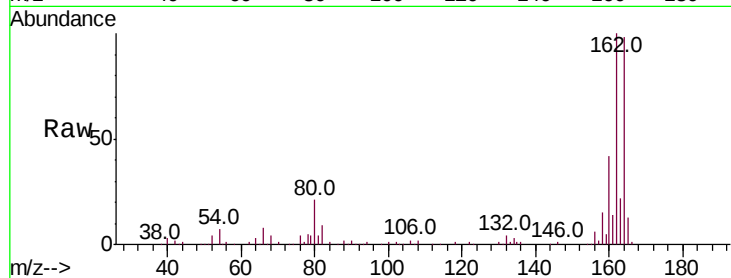




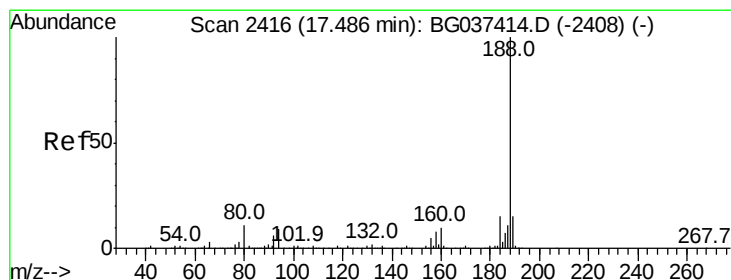
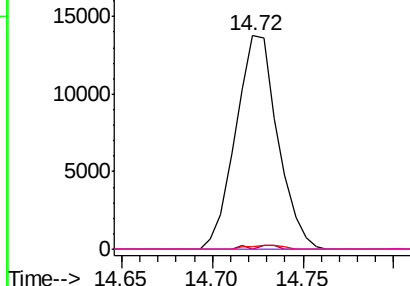
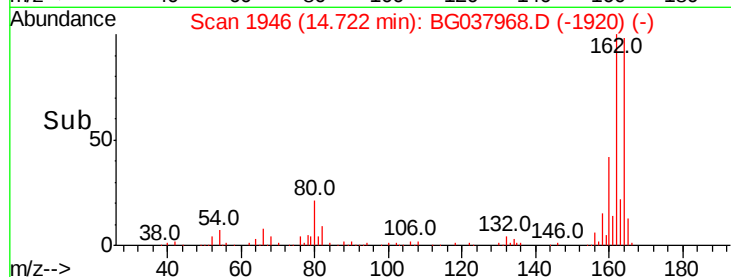
#57
 2,4-Dinitrotoluene
 Concen: 5.800 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.38 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 22226
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 1.1 57.2 85.8#
 182 0.0 2.6 4.0#

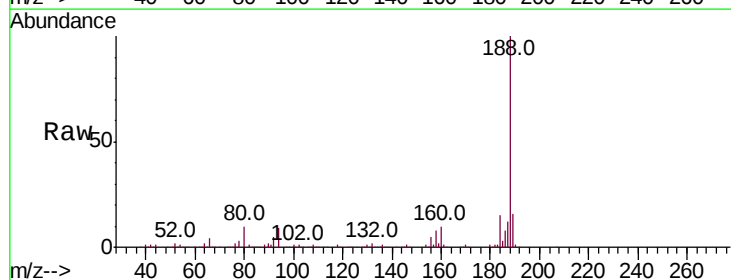


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

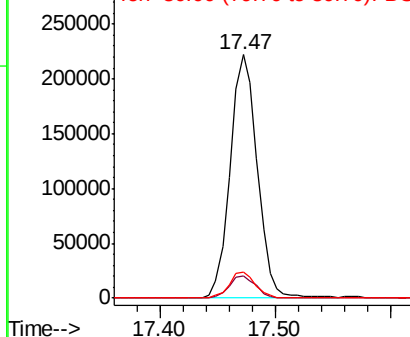
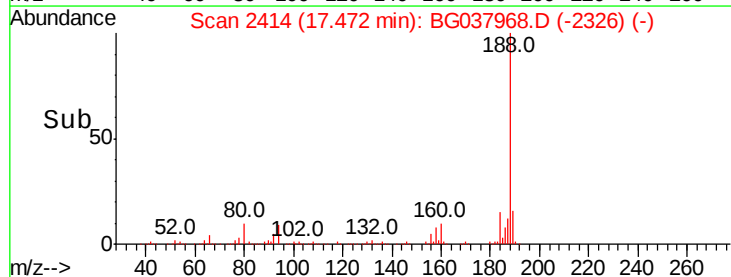


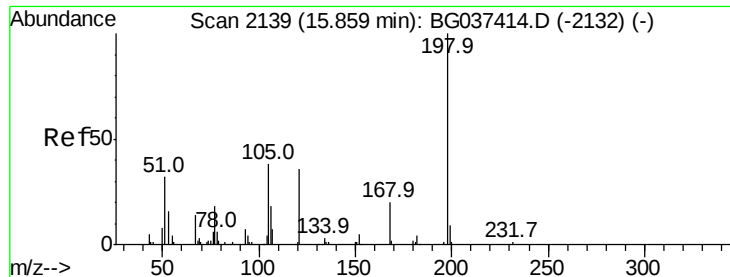
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

Tgt Ion:188 Resp: 360923
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.2 10.8
 80 10.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

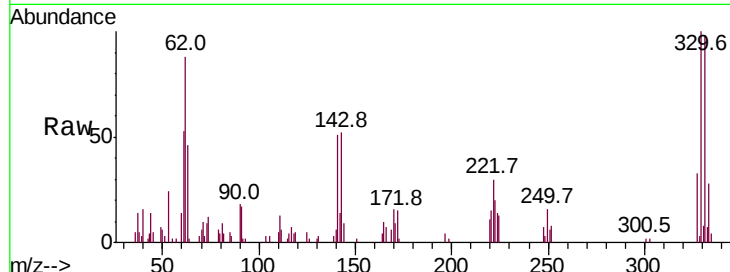




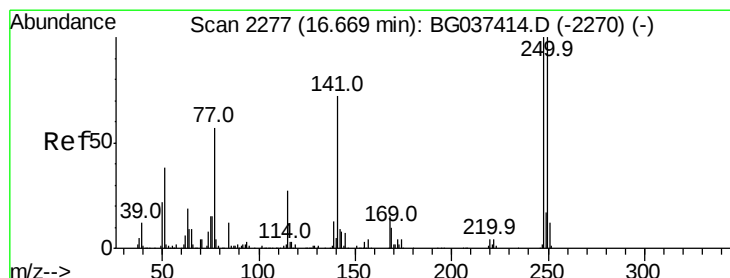
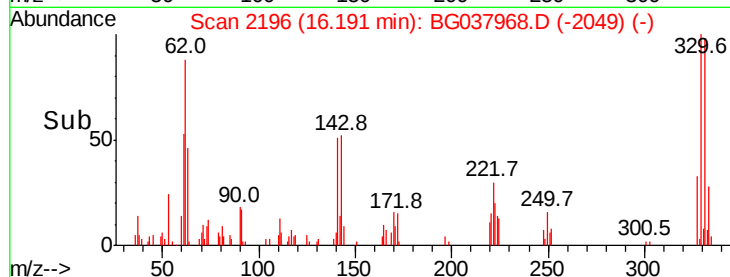
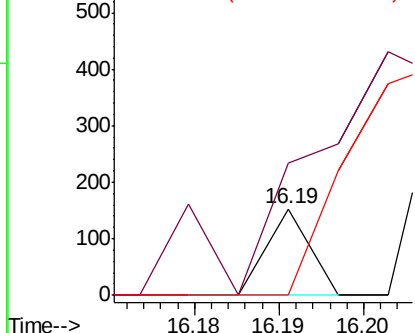
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.531 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. 0.33 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 54
 Ion Ratio Lower Upper
 198 100
 51 152.3 22.7 62.7#
 105 0.0 19.7 59.7#

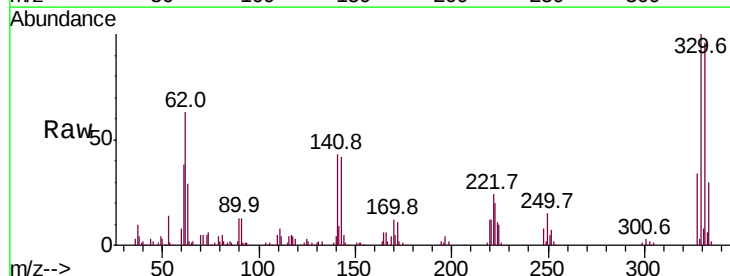


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

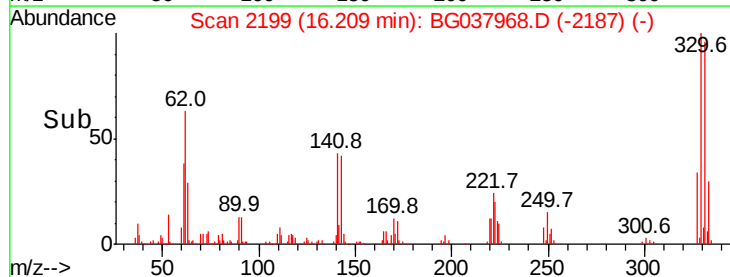
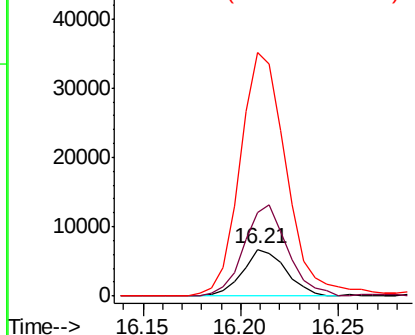


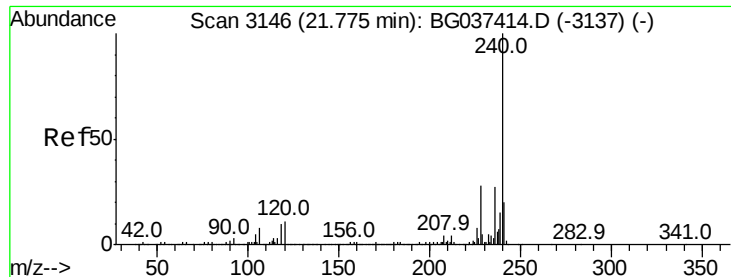
#67
 4-Bromophenyl-phenylether
 Concen: 2.610 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.46 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

Tgt Ion:248 Resp: 10344
 Ion Ratio Lower Upper
 248 100
 250 187.8 77.0 115.6#
 141 407.6 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

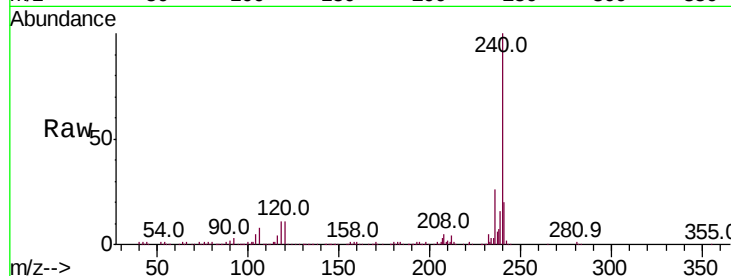




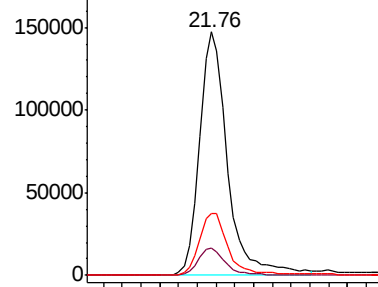
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

Instrument :
 BNA_G
 ClientSampleId :

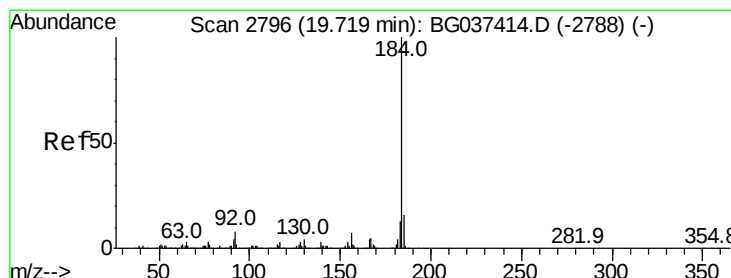
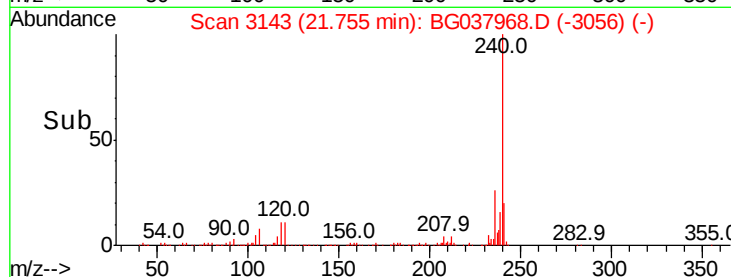
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.1	12.1
236	25.6	21.4	32.0



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

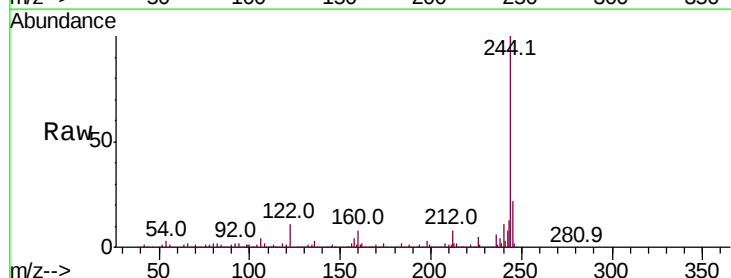


Time-->

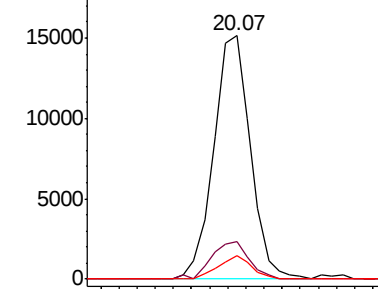


#77
 Benzidine
 Concen: 2.053 ng
 RT: 20.07 min Scan# 2857
 Delta R.T. 0.36 min
 Lab File: BG037968.D
 Acq: 13 Nov 2018 6:36

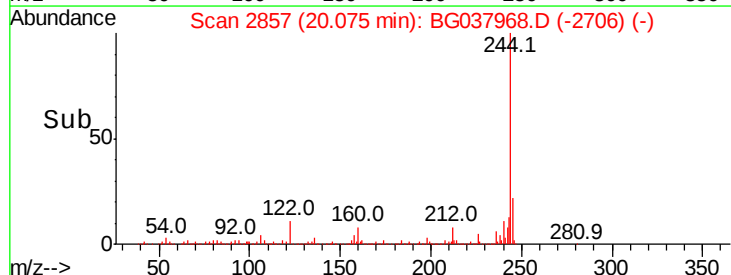
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	9.7	10.2	15.2#

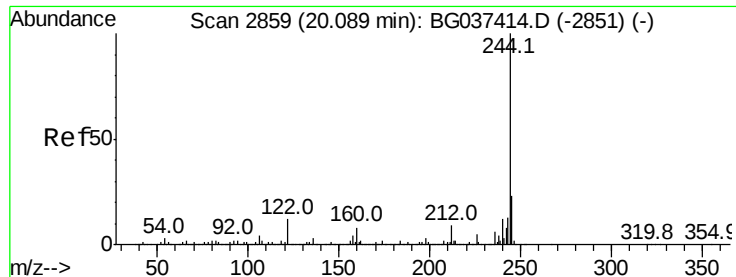


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 91.040 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037968.D

Acq: 13 Nov 2018 6:36

Instrument :

BNA_G

ClientSampled :

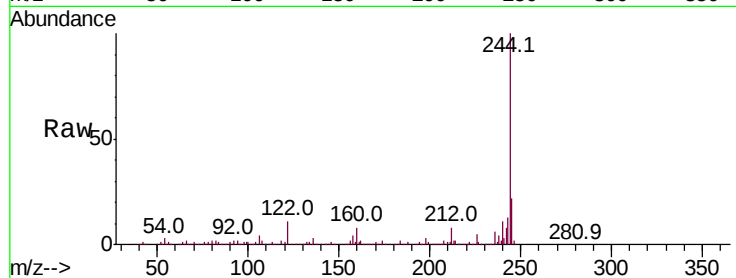
Tot Ion:244 Resp: 1297492

Ion Ratio Lower Upper

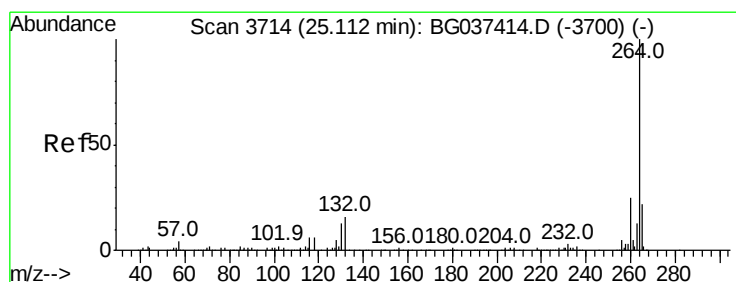
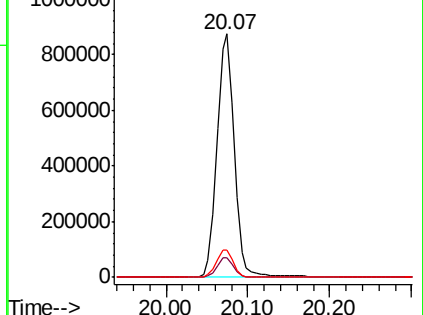
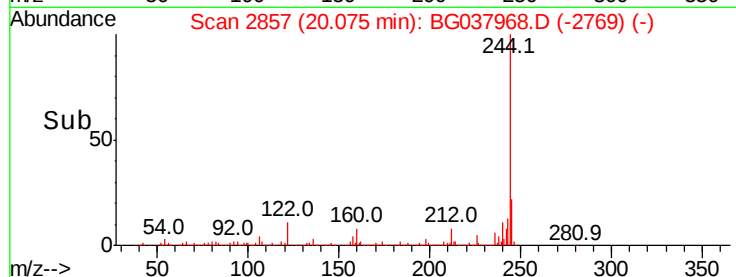
244 100

212 8.3 6.5 9.7

122 11.3 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E
1200000
Ion 212.00 (211.70 to 212.70): E
1000000
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.03 min

Lab File: BG037968.D

Acq: 13 Nov 2018 6:36

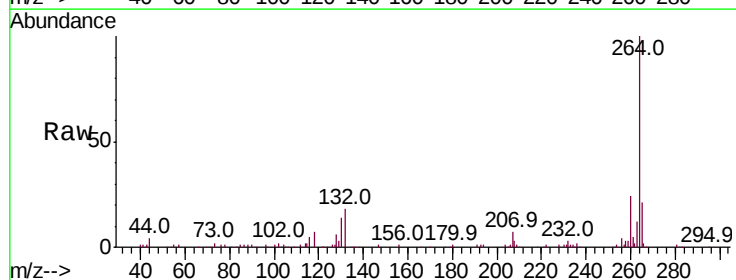
Tgt Ion:264 Resp: 258878

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 21.2 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
80000
Ion 260.00 (259.70 to 260.70): E
60000
Ion 265.00 (264.70 to 265.70): E

