

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037314.D
 Acq On : 13 Oct 2018 6:45
 Operator : JU/SJ
 Sample : J5383-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:14:13 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	64779	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	264565	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	180142	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	455744	20.00	ng	0.00
76) Chrysene-d12	21.78	240	433765	20.00	ng	-0.02
87) Perylene-d12	25.13	264	438728	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	163193	44.34	ng	0.00
7) Phenol-d6	7.25	99	143531	25.69	ng	0.00
23) Nitrobenzene-d5	9.30	82	439884	109.31	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	192799	109.13	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1085996	90.53	ng	0.00
79) Terphenyl-d14	20.10	244	1767655	85.57	ng	0.00

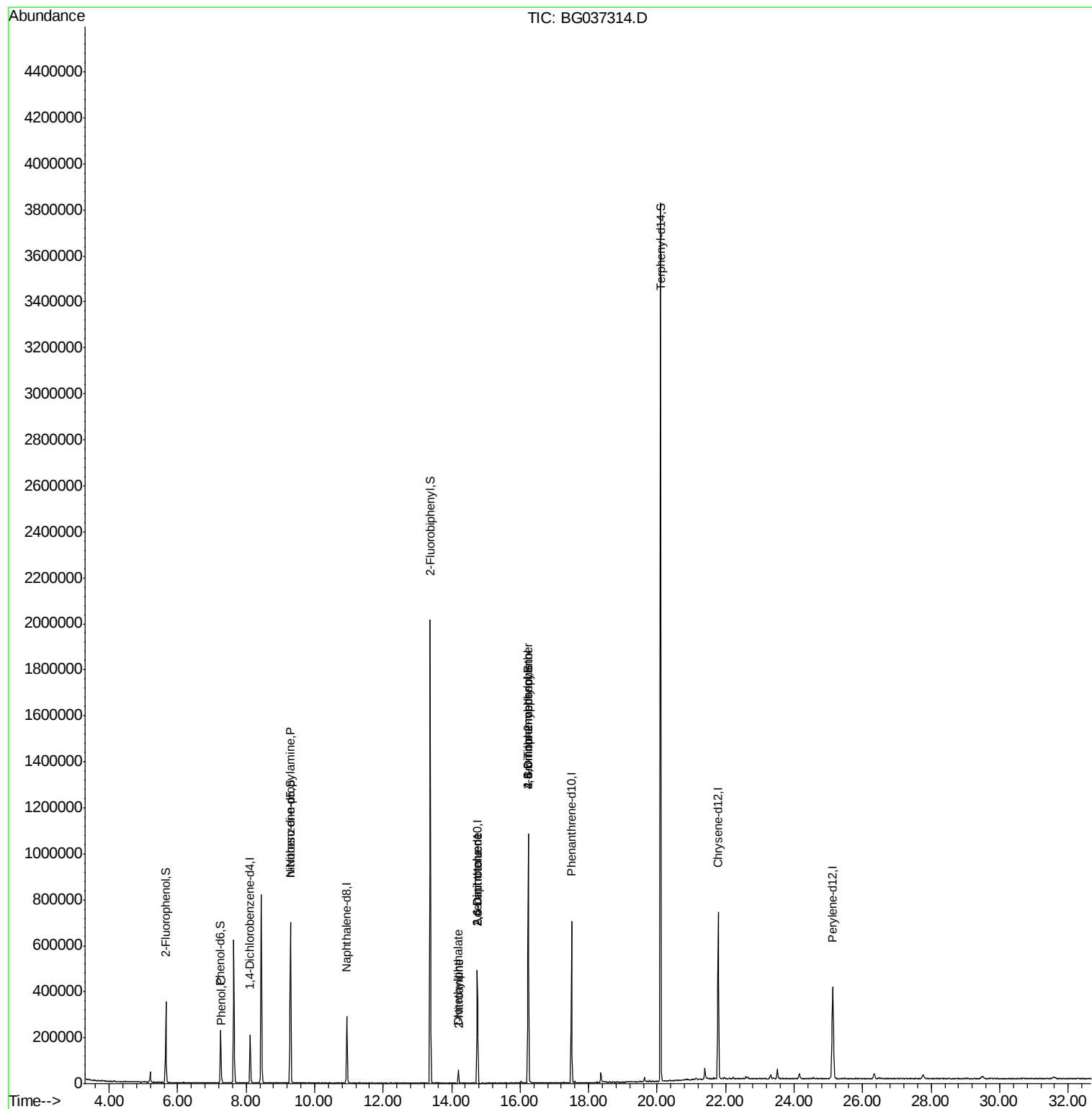
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	16299	2.770	ng	97
19) n-Nitroso-di-n-propylamine	9.30	70	55981	13.235	ng	# 72
48) 2-Nitroaniline	14.21	65	397	5.870	ng	# 1
50) Dimethylphthalate	14.20	163	40844	2.885	ng	99
51) 2,6-Dinitrotoluene	14.75	165	22918	12.310	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	22918	11.186	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.23	198	526	6.269	ng	78
67) 4-Bromophenyl-phenylether	16.23	248	13859	2.818	ng	# 1

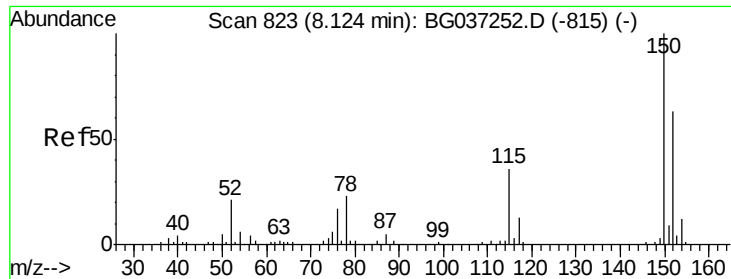
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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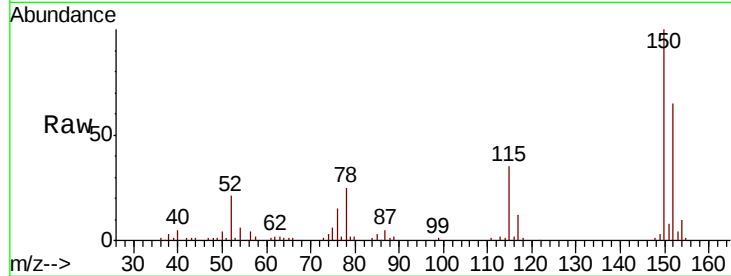


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.0	189.0
115	54.6	45.5	68.3

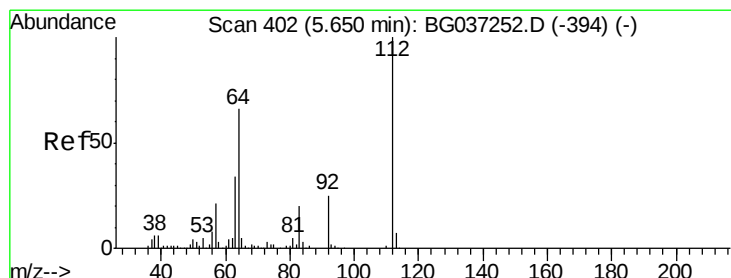
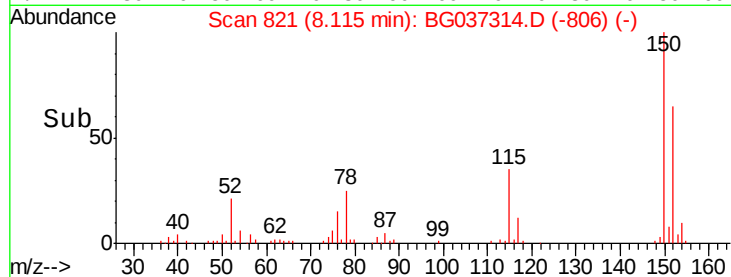
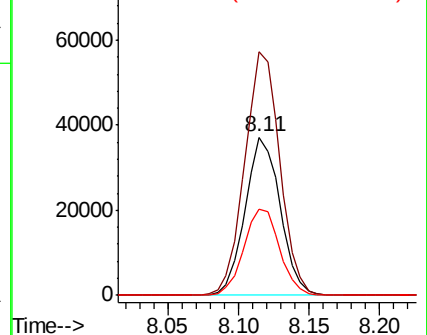


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

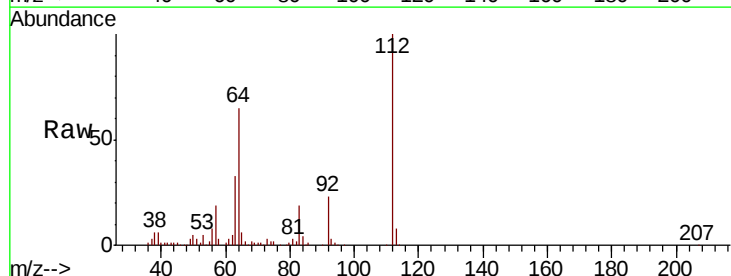
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 44.336 ng
 RT: 5.65 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	53.1	79.7
63	33.2	27.3	40.9

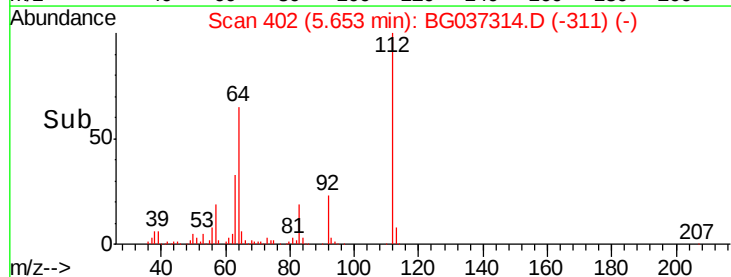
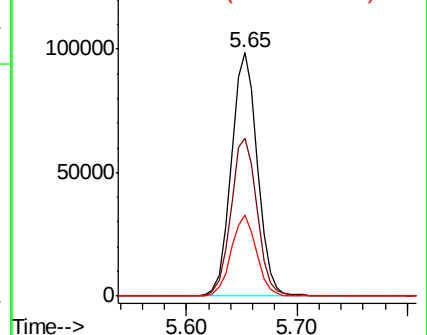


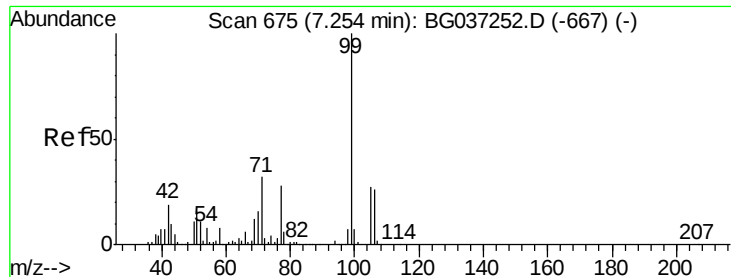
Abundance

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: 25.691 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037314.D

Acq: 13 Oct 2018 6:45

Instrument :

BNA_G

ClientSampled :

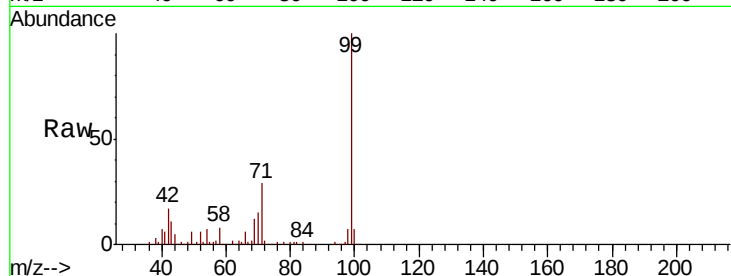
Tot Ion: 99 Resp: 143531

Ion Ratio Lower Upper

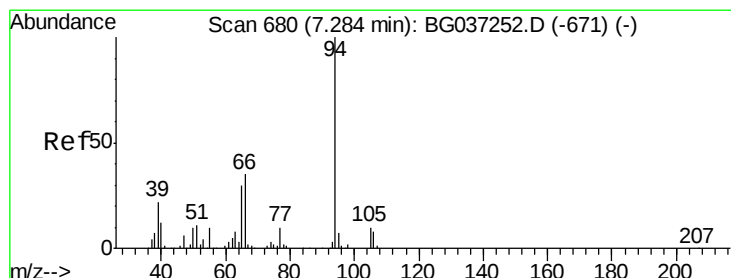
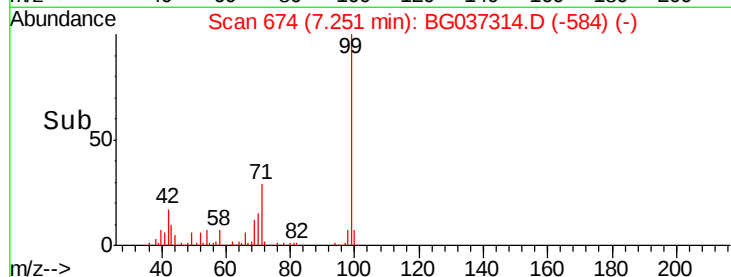
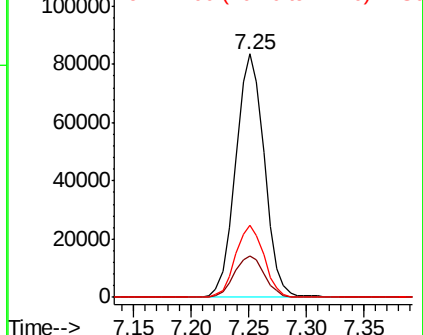
99 100

42 17.0 15.0 22.4

71 29.5 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



#10

Phenol

Concen: 2.770 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG037314.D

Acq: 13 Oct 2018 6:45

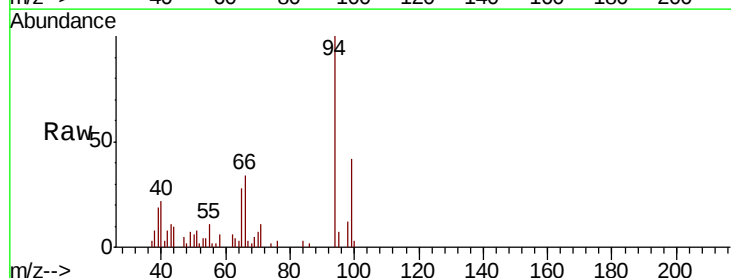
Tgt Ion: 94 Resp: 16299

Ion Ratio Lower Upper

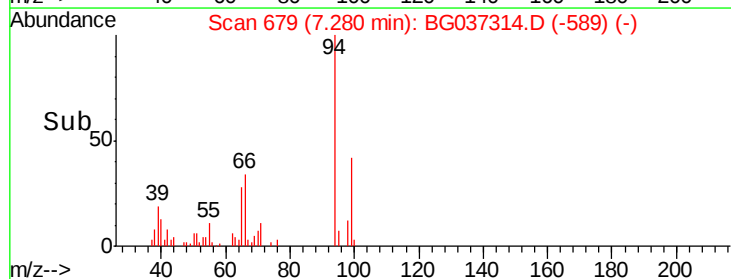
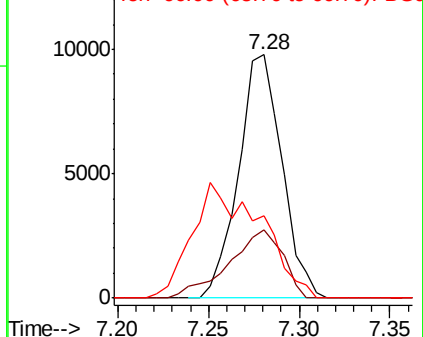
94 100

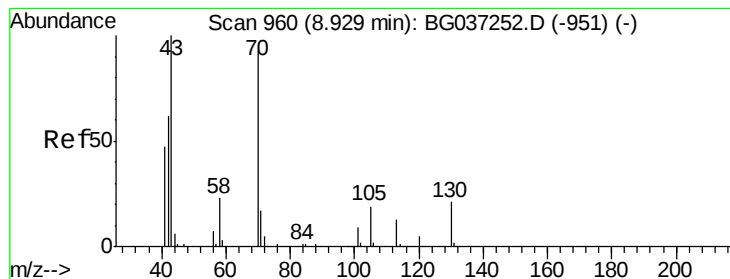
65 28.3 9.7 49.7

66 33.8 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 13.235 ng

RT: 9.30 min Scan# 1022

Delta R.T. 0.37 min

Lab File: BG037314.D

Acq: 13 Oct 2018 6:45

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 55981

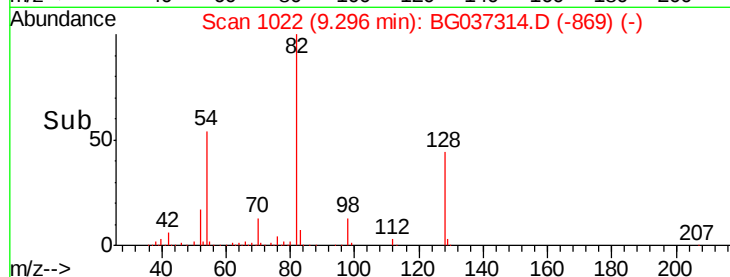
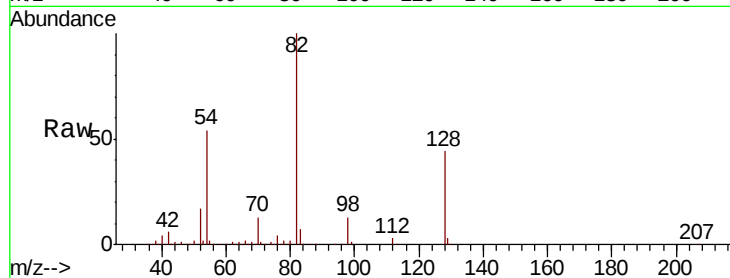
Ion Ratio Lower Upper

70 100

42 49.3 53.9 80.9#

101 0.0 8.2 12.2#

130 1.9 18.2 27.4#

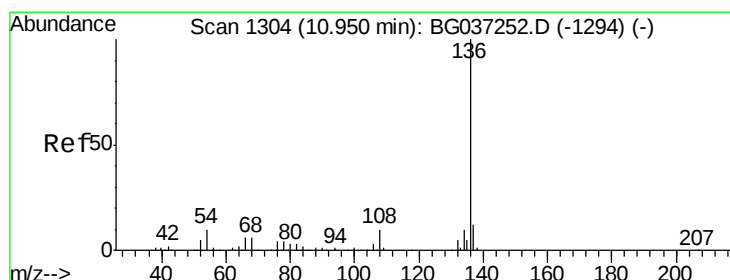
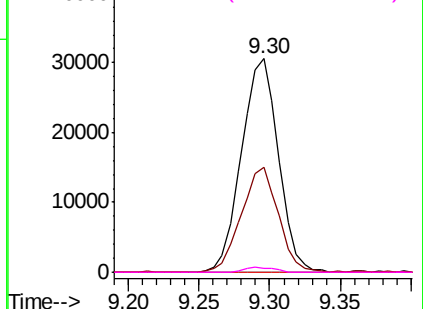


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG037314.D

Acq: 13 Oct 2018 6:45

Tgt Ion: 136 Resp: 264565

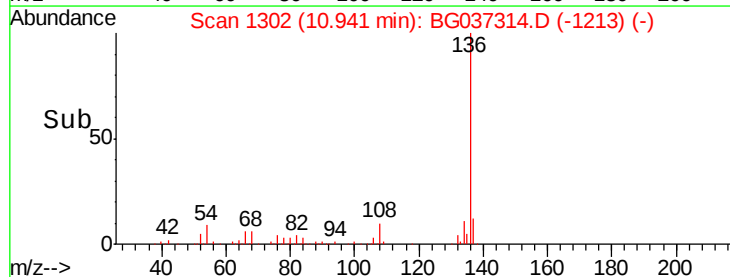
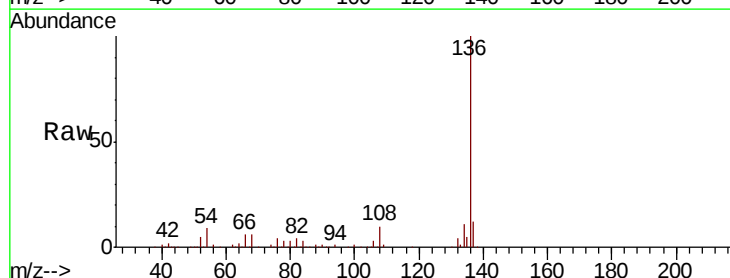
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 9.4 7.9 11.9

68 6.4 4.8 7.2

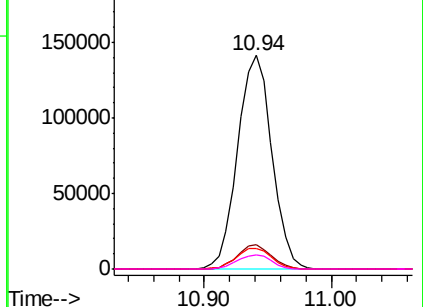


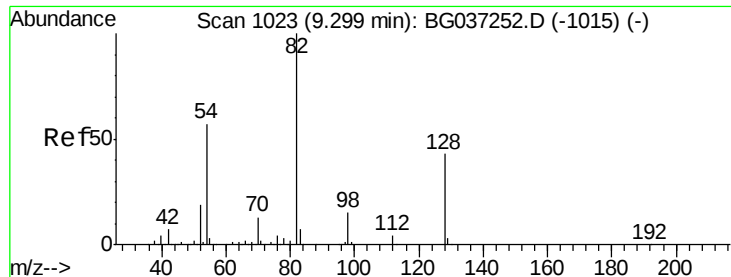
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

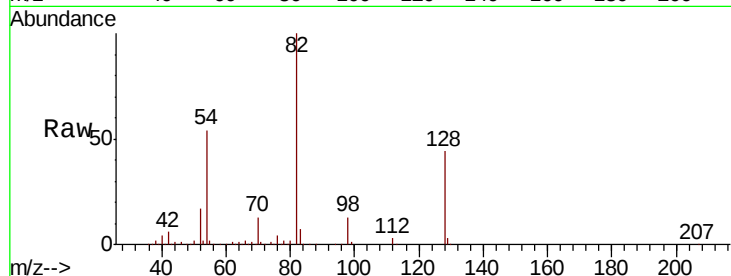




#23
Nitrobenzene-d5
Concen: 109.312 ng
RT: 9.30 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG037314.D
Acq: 13 Oct 2018 6:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82.00	Resp	439884
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.6	51.8
54	54.0	45.3	67.9

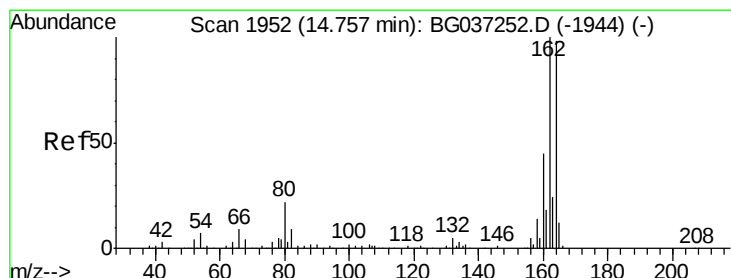
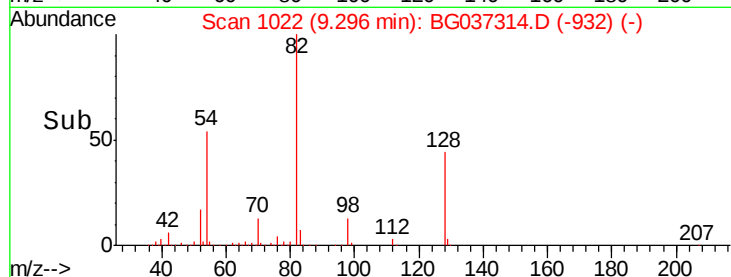
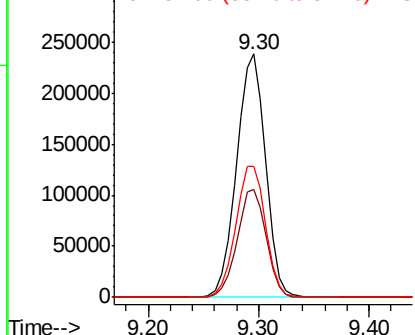


Abundance

Ion 82.00 (81.70 to 82.70): BGC

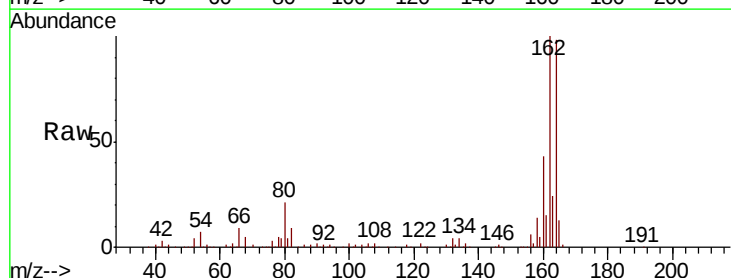
Ion 128.00 (127.70 to 128.70): BGC

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: BG037314.D
Acq: 13 Oct 2018 6:45

Tgt Ion	164	Resp	180142
Ion Ratio	Lower	Upper	
164	100		
162	102.2	81.3	121.9
160	44.3	36.3	54.5

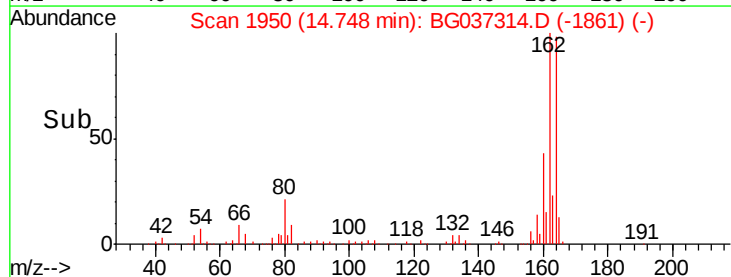
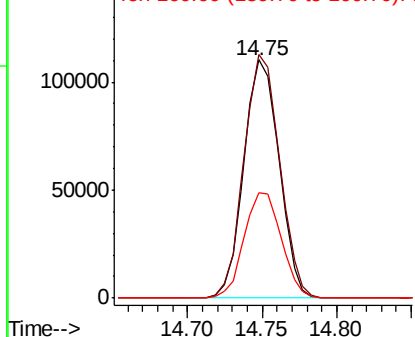


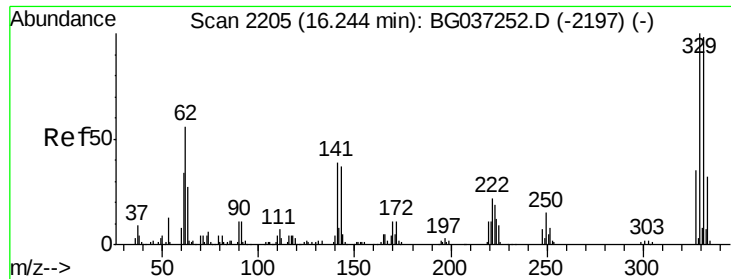
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

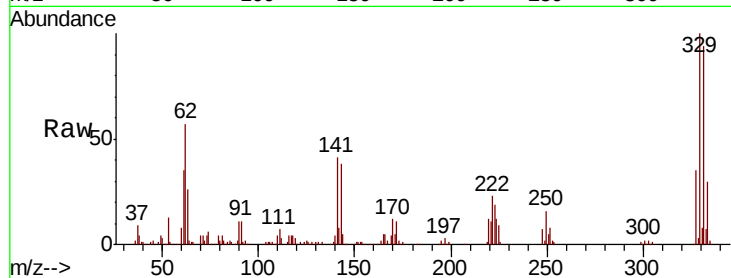




#42
 2,4,6-Tribromophenol
 Concen: 109.130 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	78.4	117.6
141	39.3	32.2	48.2

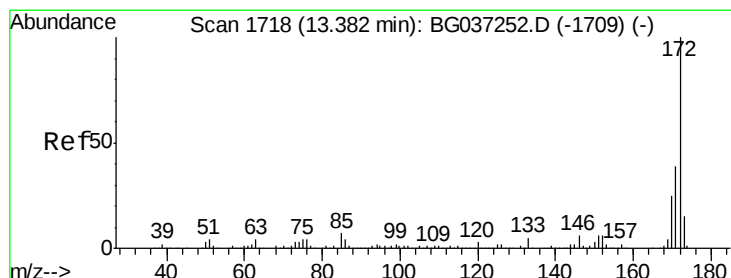
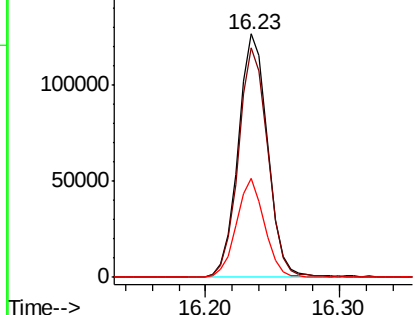
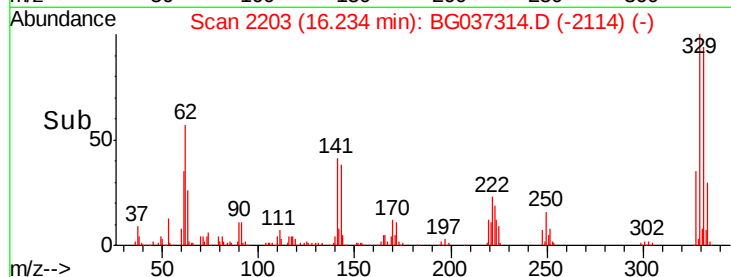


Abundance

Ion 329.80 (329.50 to 330.50): E

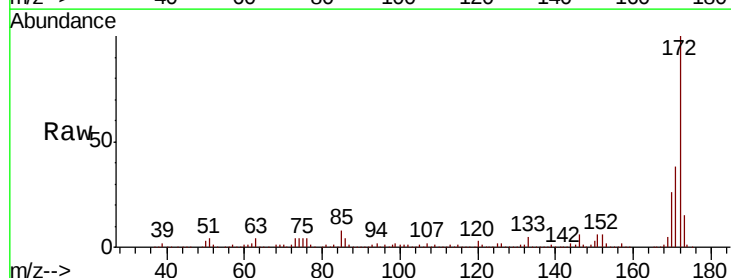
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.535 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.0	46.4
170	25.9	20.2	30.2

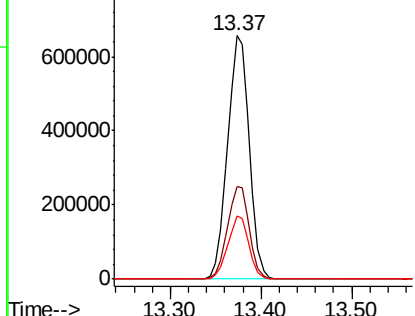
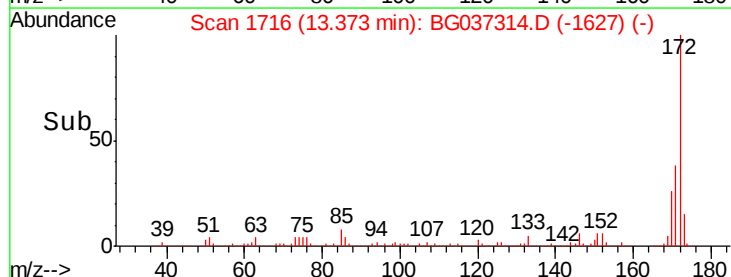


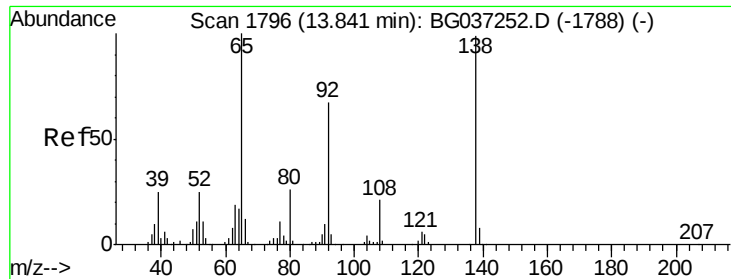
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 5.870 ng

RT: 14.21 min Scan# 1858

Delta R.T. 0.37 min

Lab File: BG037314.D

Acq: 13 Oct 2018 6:45

Instrument :

BNA_G

ClientSampleId :

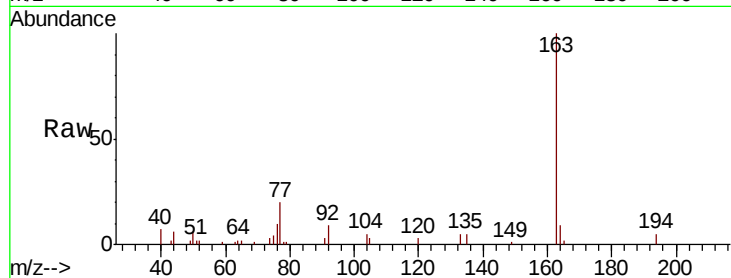
Tot Ion: 65 Resp: 397

Ion Ratio Lower Upper

65 100

92 480.5 53.2 79.8#

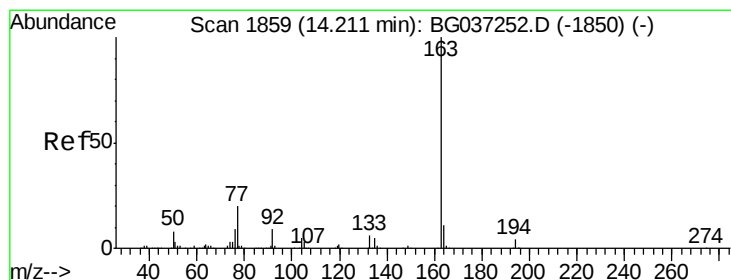
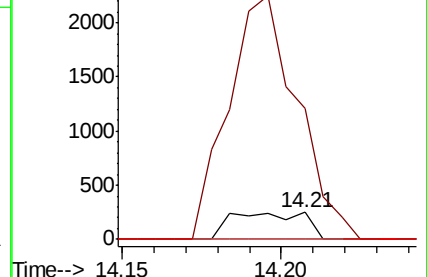
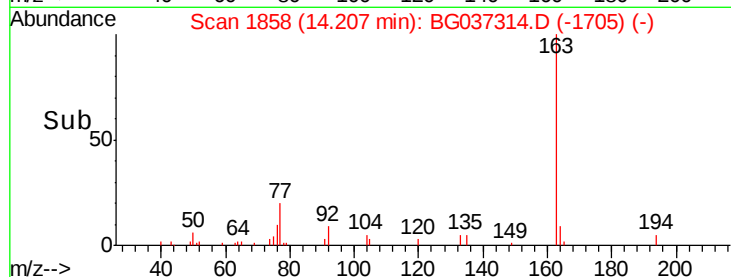
138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BG037314.D (-1705) (-)

Ion 92.00 (91.70 to 92.70): BG037314.D (-1705) (-)

Ion 138.00 (137.70 to 138.70): BG037314.D (-1705) (-)



#50

Dimethylphthalate

Concen: 2.885 ng

RT: 14.20 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BG037314.D

Acq: 13 Oct 2018 6:45

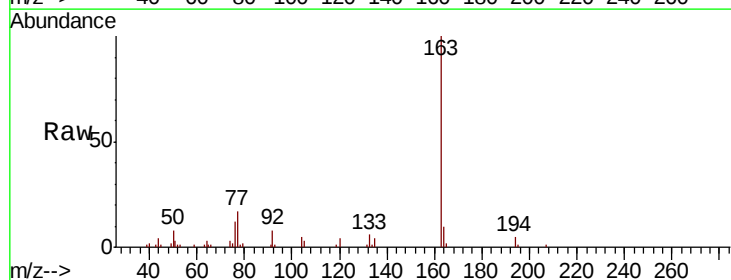
Tgt Ion: 163 Resp: 40844

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

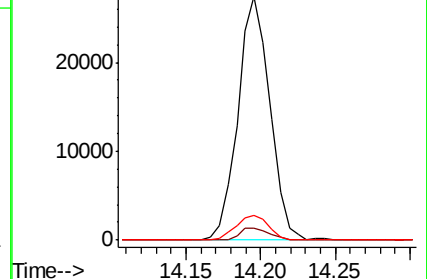
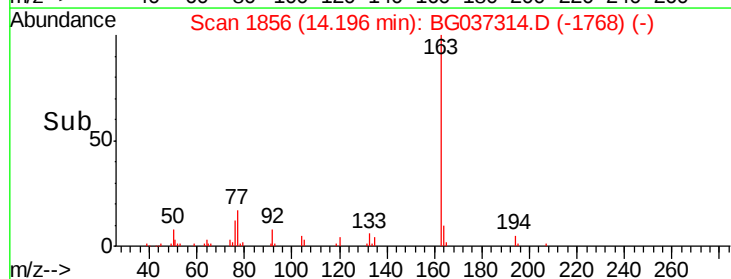
164 10.0 8.5 12.7

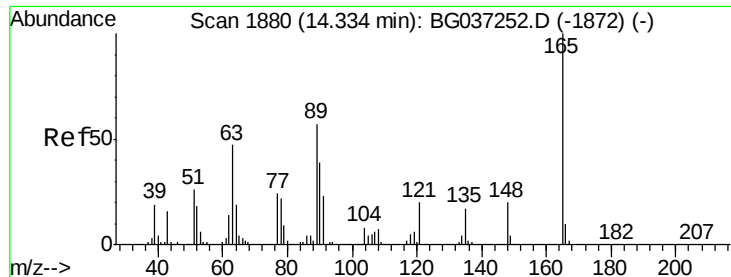


Abundance Ion 163.00 (162.70 to 163.70): BG037314.D (-1768) (-)

Ion 194.00 (193.70 to 194.70): BG037314.D (-1768) (-)

Ion 164.00 (163.70 to 164.70): BG037314.D (-1768) (-)

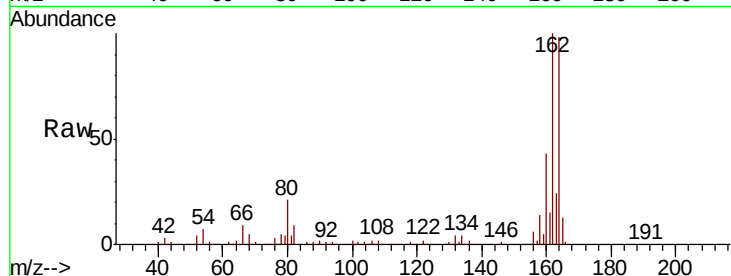




#51
 2,6-Dinitrotoluene
 Concen: 12.310 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	43.4	65.2#
89	0.0	45.8	68.6#

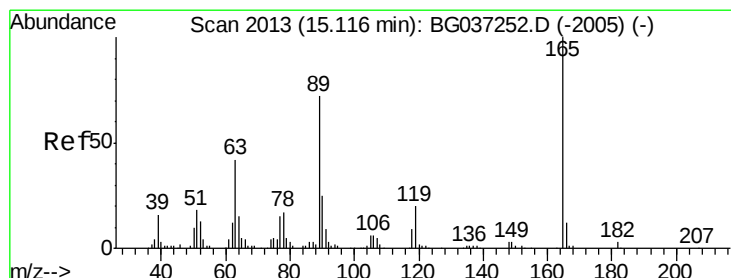
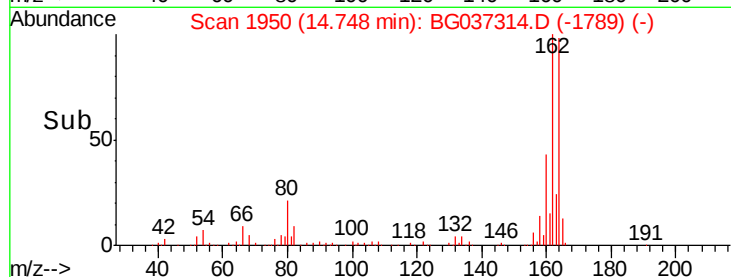
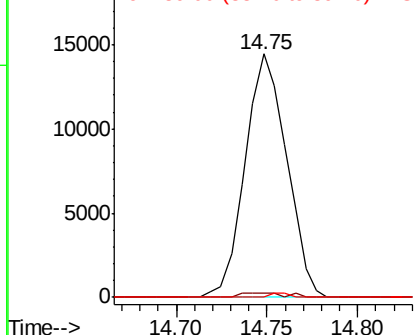


Abundance

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: 11.186 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

Tgt 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#

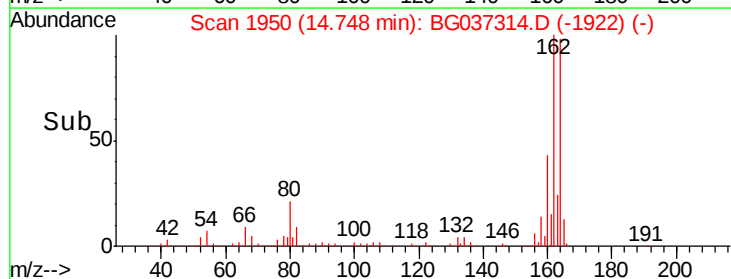
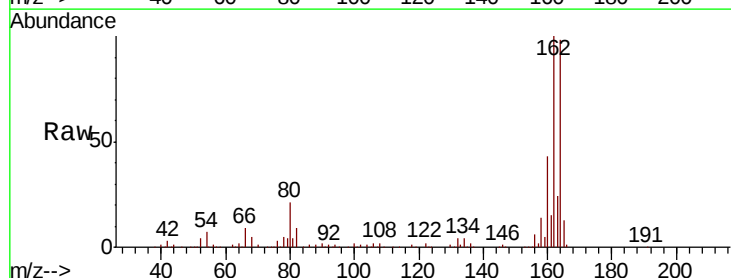
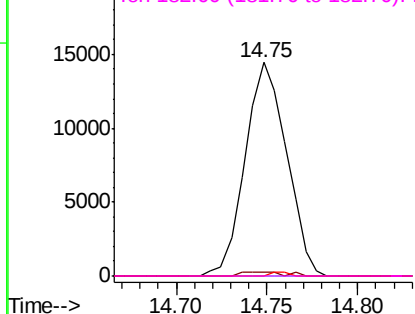
Abundance

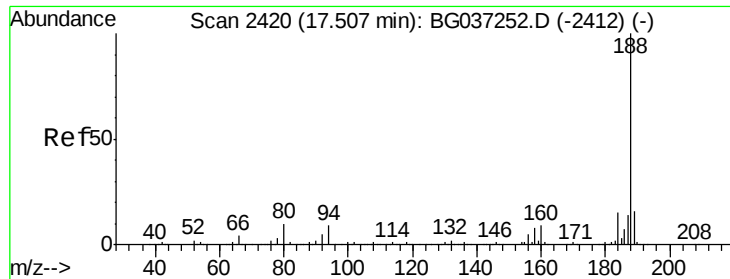
Ion 165.00 (164.70 to 165.70): E

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: 17.50 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BG037314.D

Acq: 13 Oct 2018 6:45

Instrument :

BNA_G

ClientSampleId :

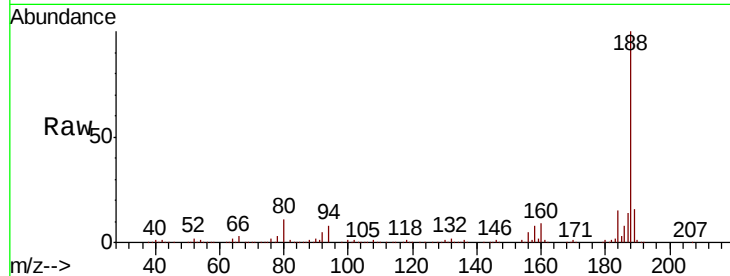
Tot Ion:188 Resp: 455744

Ion Ratio Lower Upper

188 100

94 8.1 7.2 10.8

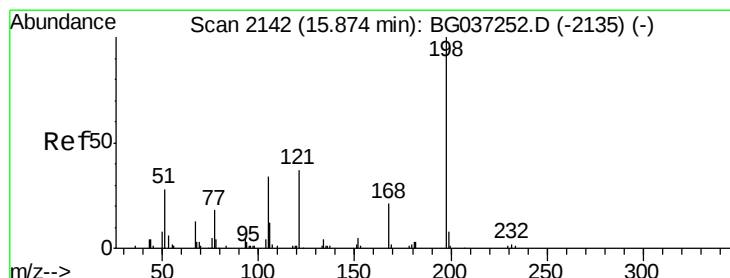
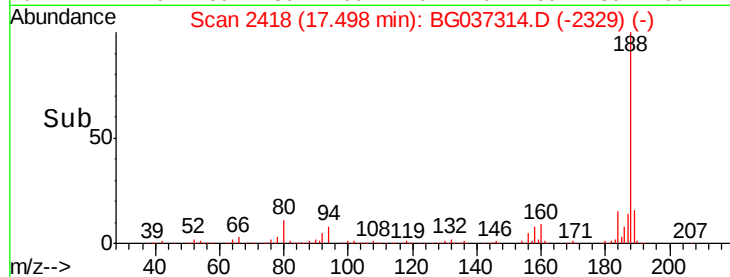
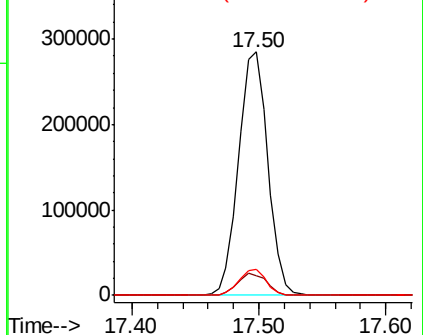
80 10.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 6.269 ng

RT: 16.23 min Scan# 2203

Delta R.T. 0.36 min

Lab File: BG037314.D

Acq: 13 Oct 2018 6:45

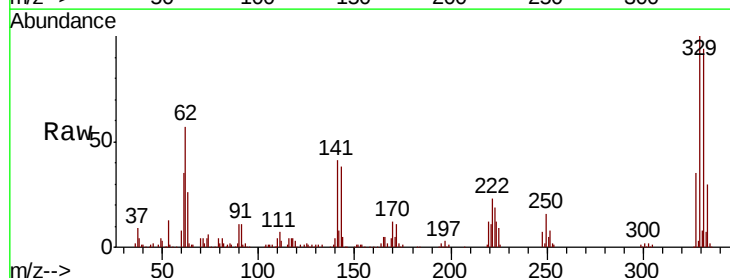
Tgt Ion:198 Resp: 526

Ion Ratio Lower Upper

198 100

51 23.9 22.7 62.7

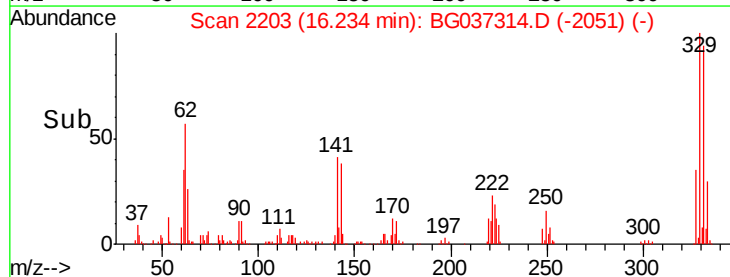
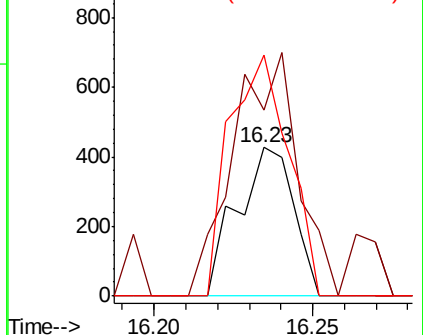
105 30.9 19.7 59.7

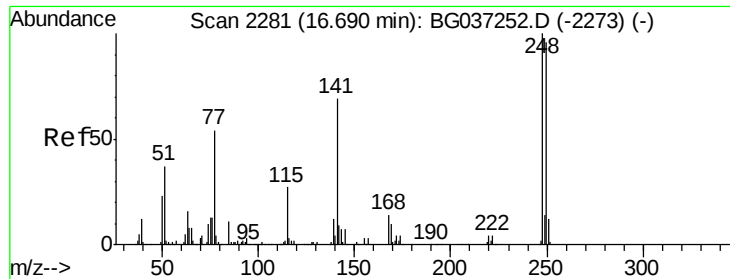


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

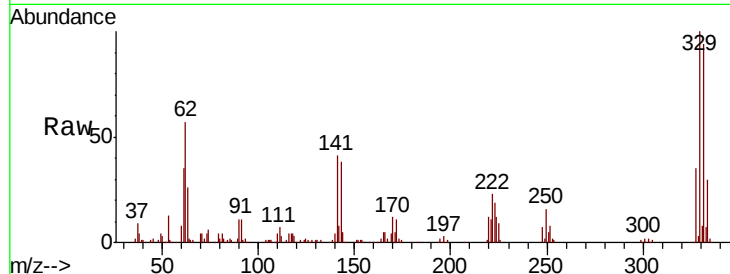




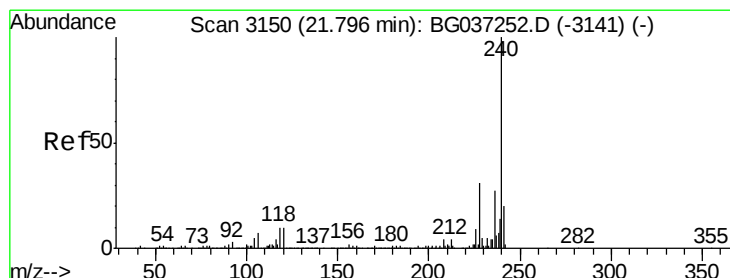
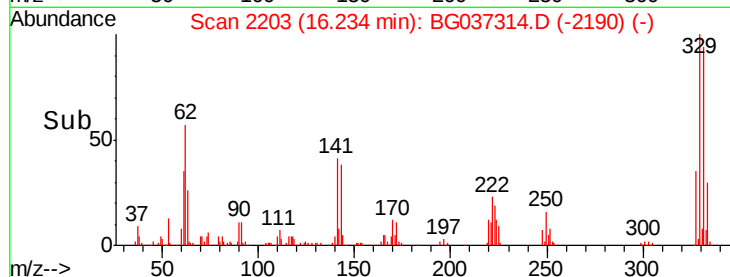
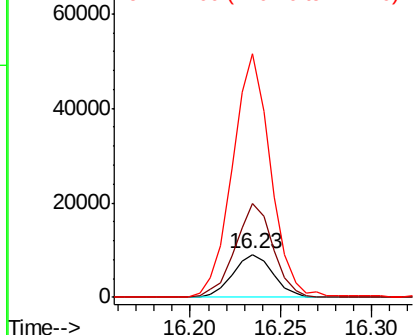
#67
4-Bromophenyl-phenylether
Concen: 2.818 ng
RT: 16.23 min Scan# 2203
Delta R.T. -0.46 min
Lab File: BG037314.D
Acq: 13 Oct 2018 6:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13859
Ion Ratio Lower Upper
248 100
250 217.7 77.0 115.6#
141 435.9 55.5 83.3#

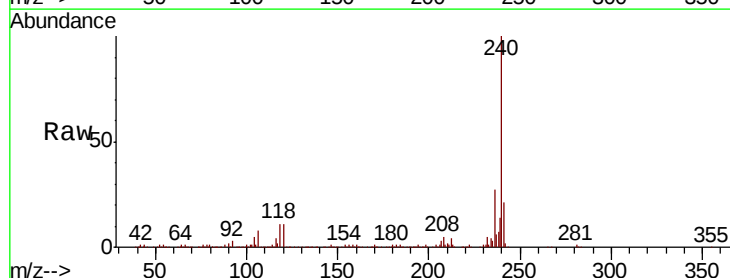


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

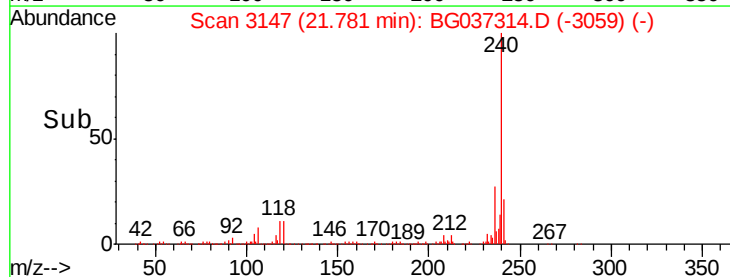
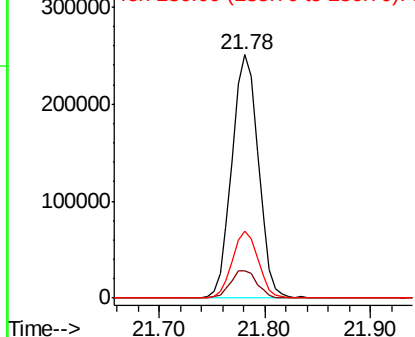


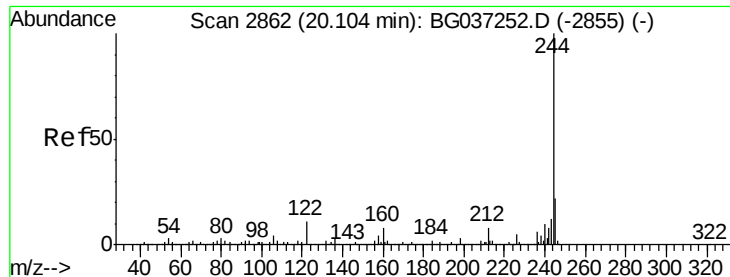
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3147
Delta R.T. -0.02 min
Lab File: BG037314.D
Acq: 13 Oct 2018 6:45

Tgt Ion:240 Resp: 433765
Ion Ratio Lower Upper
240 100
120 11.2 8.1 12.1
236 27.3 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



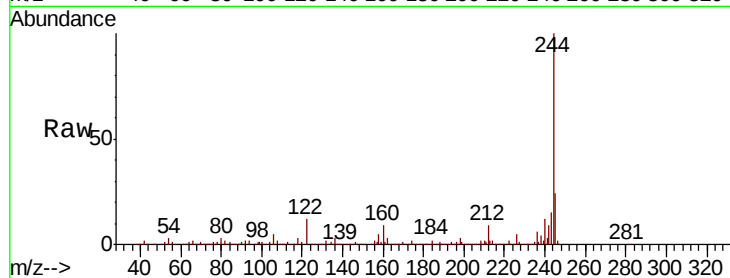


#79
 Terphenyl-d14
 Concen: 85.568 ng
 RT: 20.10 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

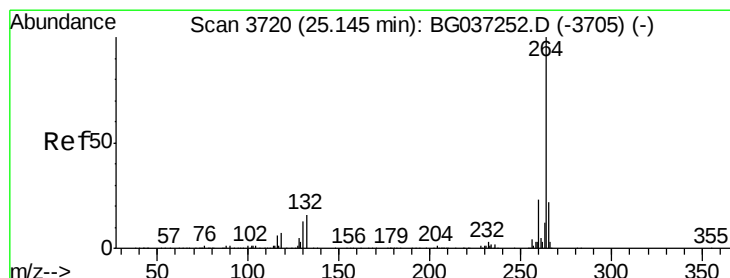
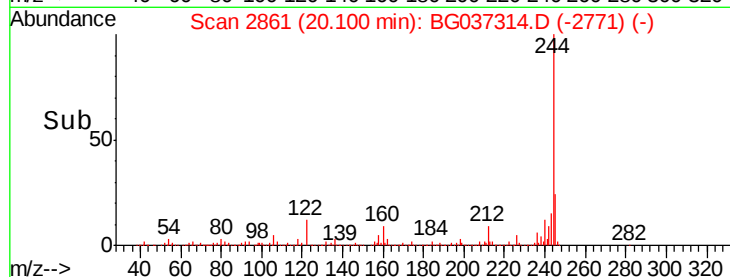
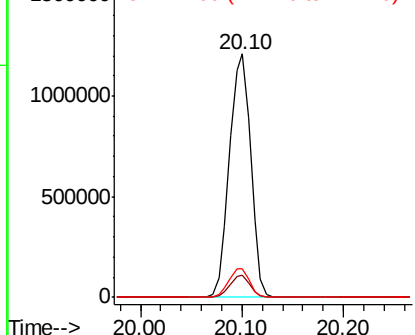
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1767655

Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.5	9.7
122	11.9	9.0	13.4



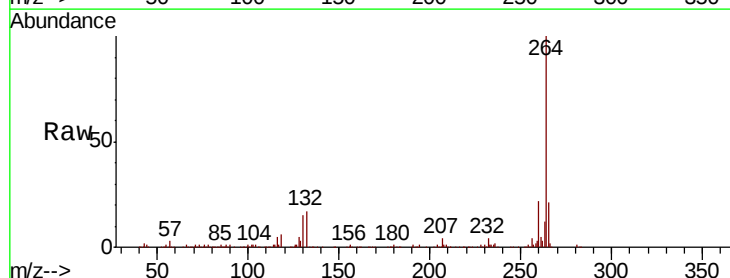
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.13 min Scan# 3717
 Delta R.T. -0.02 min
 Lab File: BG037314.D
 Acq: 13 Oct 2018 6:45

Tgt Ion:264 Resp: 438728

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.2	27.4
265	21.0	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

