

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037317.D
 Acq On : 13 Oct 2018 8:42
 Operator : JU/SJ
 Sample : J5383-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:14:47 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	8.12	152	55712	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	245146	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	167382	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	429498	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	401148	20.00	ng	-0.02
87) Perylene-d12	25.12	264	404863	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	130795	41.32	ng	0.00
7) Phenol-d6	7.25	99	116664	24.28	ng	0.00
23) Nitrobenzene-d5	9.29	82	389823	104.55	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	138375	84.30	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	989144	88.75	ng	-0.01
79) Terphenyl-d14	20.10	244	1618656	84.73	ng	0.00

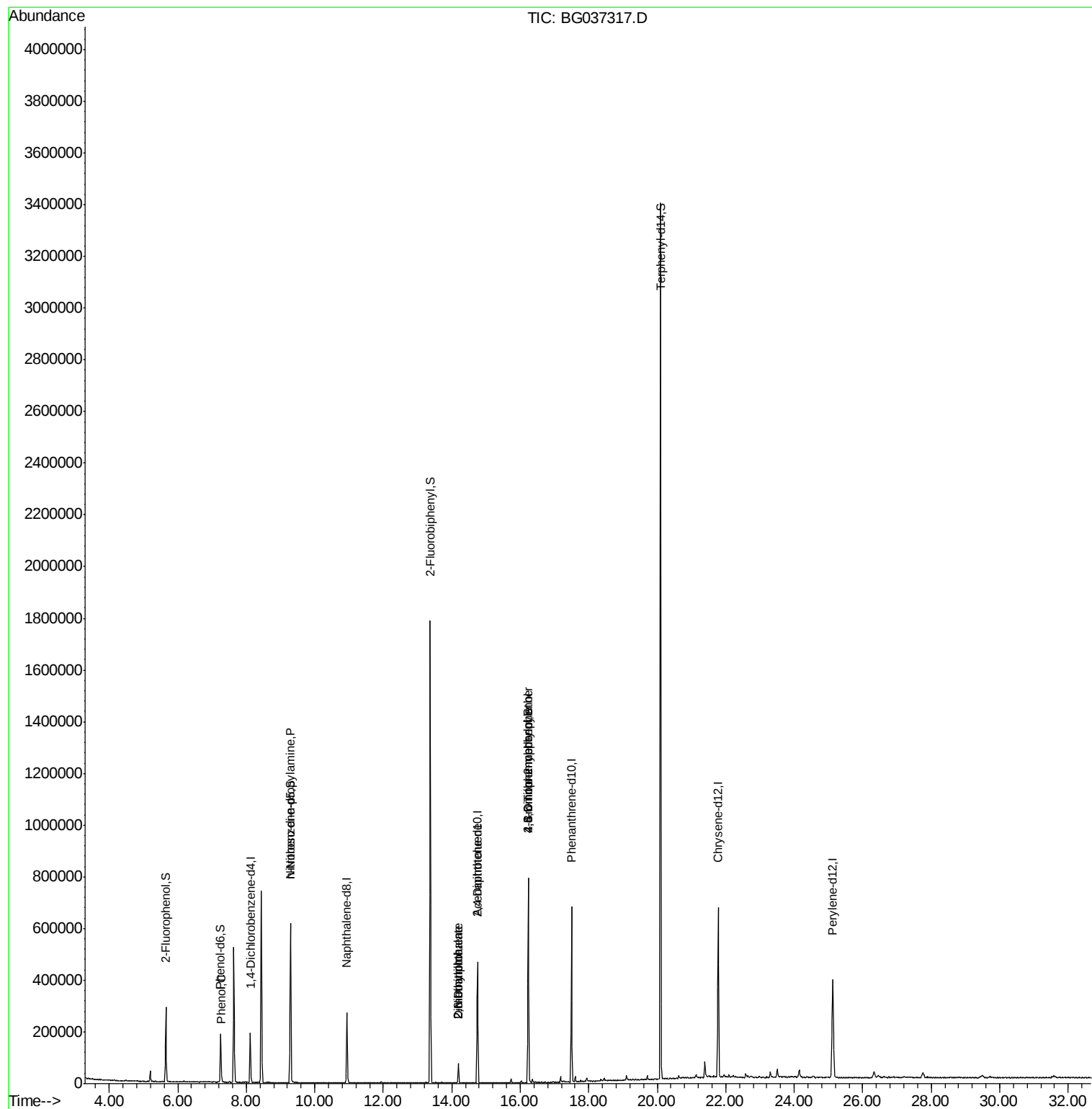
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	13764	2.720	ng	94
19) n-Nitroso-di-n-propylamine	9.29	70	48051	13.209	ng	# 72
48) 2-Nitroaniline	14.19	65	490	5.908	ng	# 1
50) Dimethylphthalate	14.19	163	51815	3.939	ng	97
51) 2,6-Dinitrotoluene	14.19	165	661	5.043	ng	# 17
57) 2,4-Dinitrotoluene	14.75	165	21368	11.206	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.23	198	610	6.343	ng	74
67) 4-Bromophenyl-phenylether	16.23	248	9884	2.132	ng	# 1

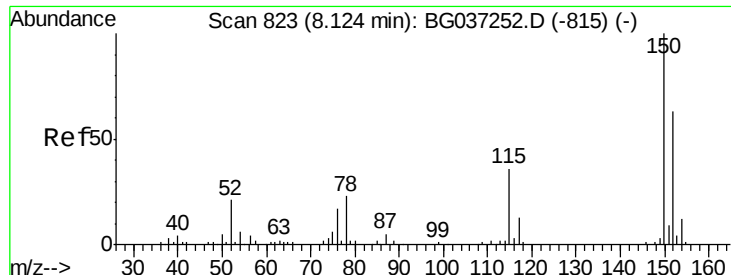
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 13:59:58 2018
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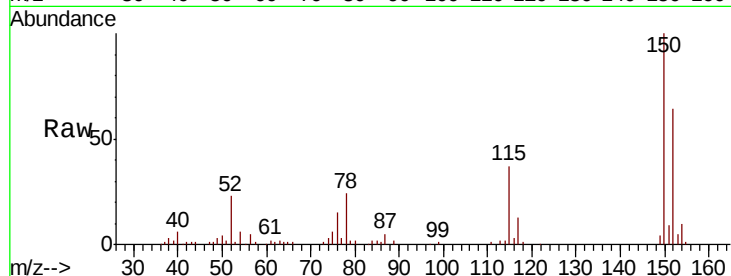


#1

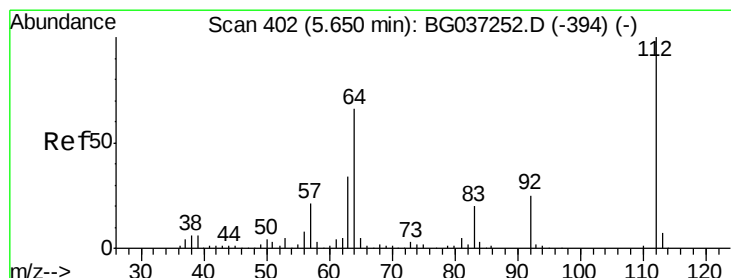
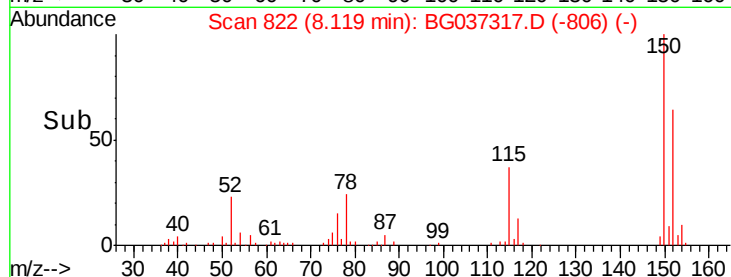
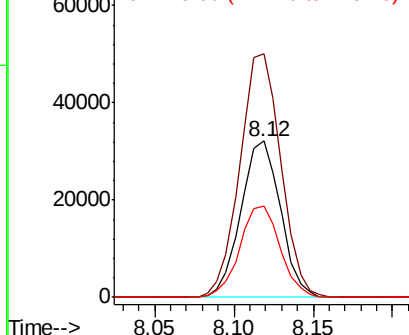
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037317.D
Acq: 13 Oct 2018 8:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55712
Ion Ratio Lower Upper
152 100
150 156.1 126.0 189.0
115 58.3 45.5 68.3



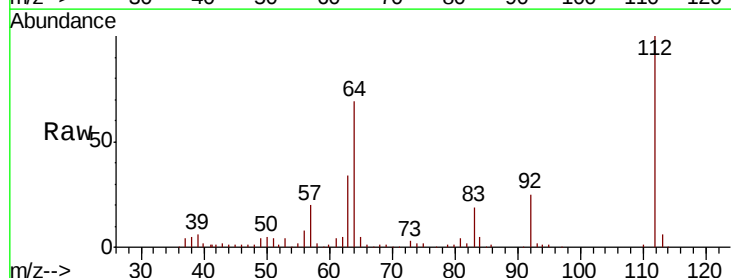
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



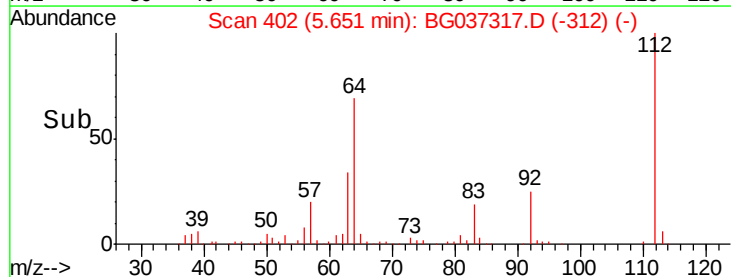
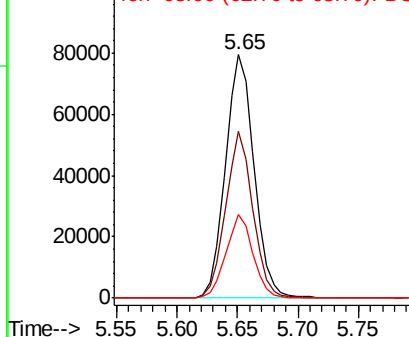
#5

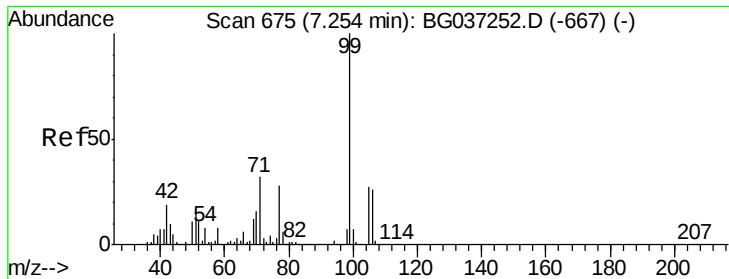
2-Fluorophenol
Concen: 41.317 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037317.D
Acq: 13 Oct 2018 8:42

Tgt Ion:112 Resp: 130795
Ion Ratio Lower Upper
112 100
64 68.7 53.1 79.7
63 34.1 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: 24.280 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG037317.D

Acq: 13 Oct 2018 8:42

Instrument :

BNA_G

ClientSampleId :

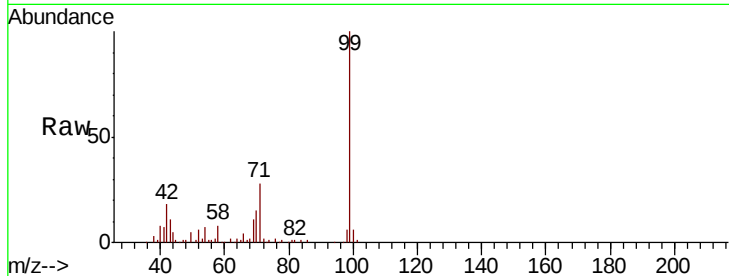
Tot Ion: 99 Resp: 116664

Ion Ratio Lower Upper

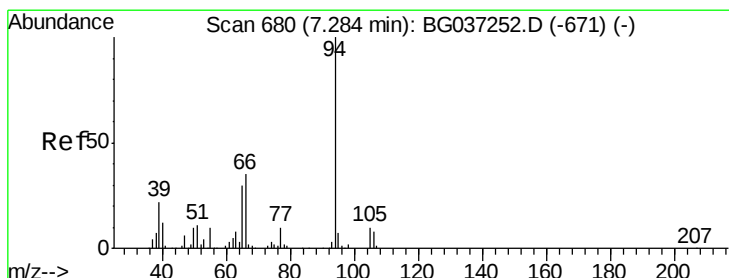
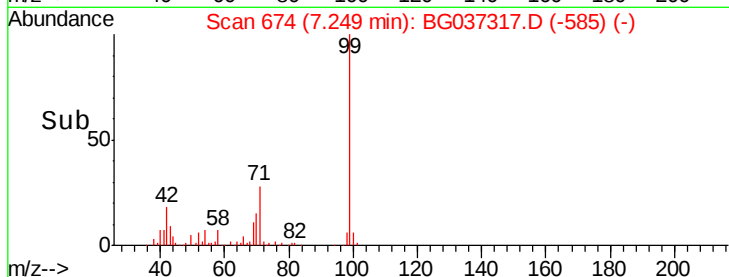
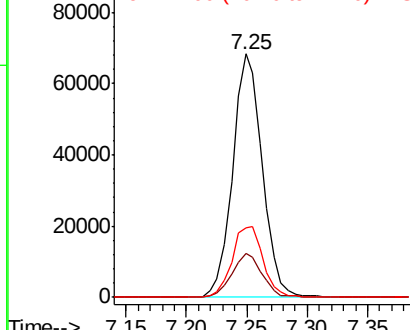
99 100

42 18.2 15.0 22.4

71 28.5 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: 2.720 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037317.D

Acq: 13 Oct 2018 8:42

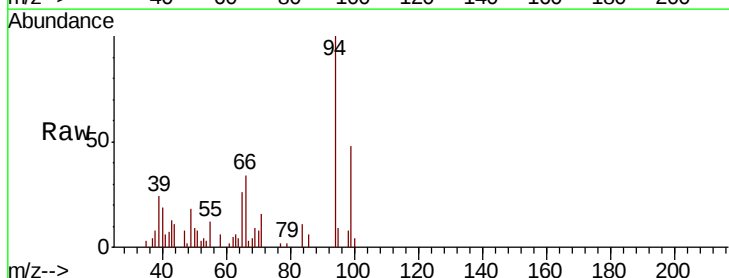
Tgt Ion: 94 Resp: 13764

Ion Ratio Lower Upper

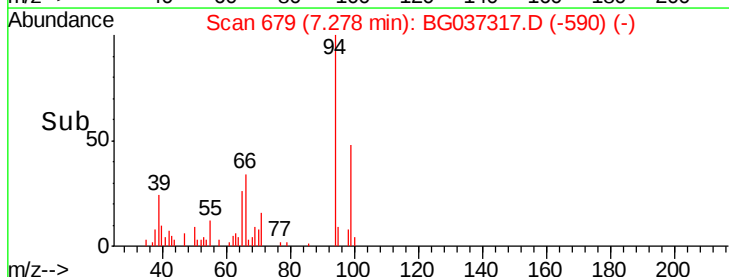
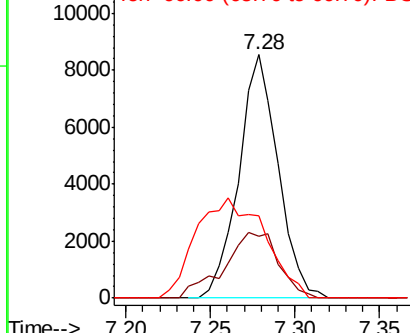
94 100

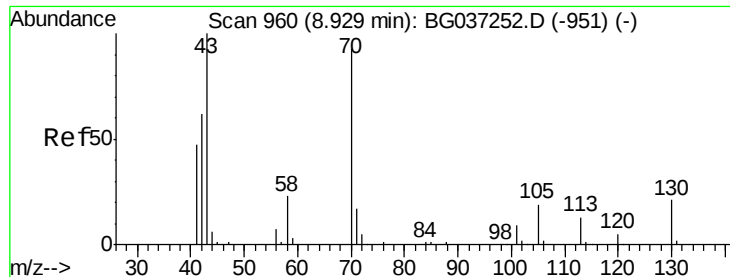
65 25.6 9.7 49.7

66 33.6 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: 13.209 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.36 min

Lab File: BG037317.D

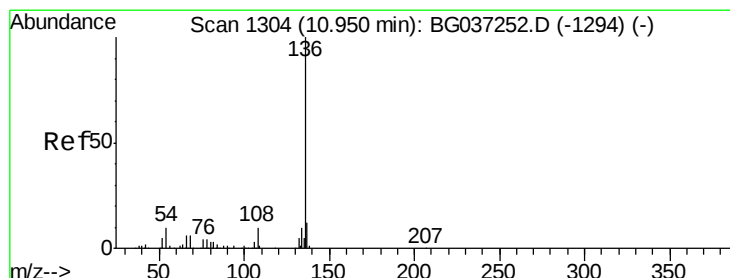
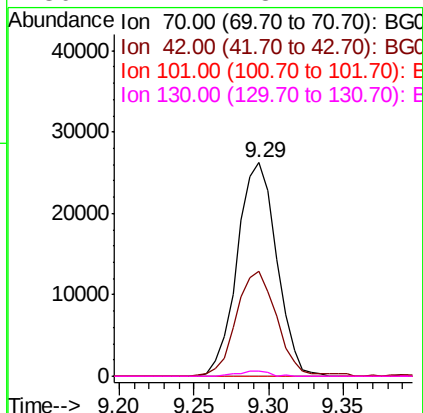
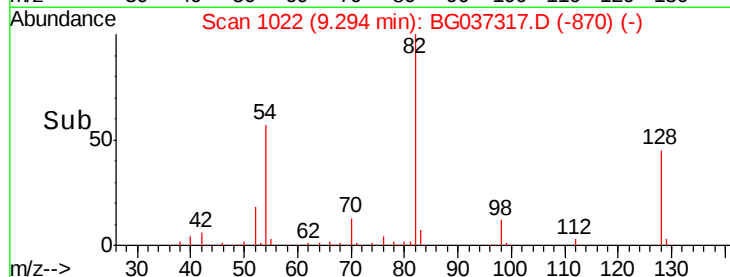
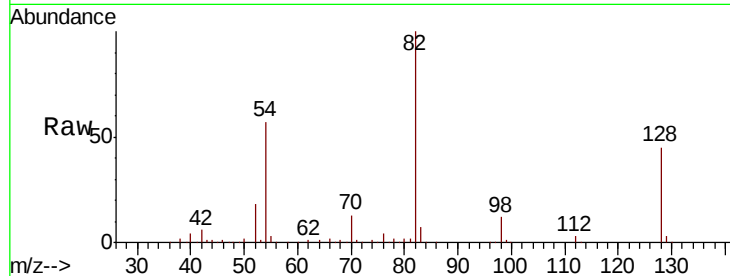
Acq: 13 Oct 2018 8:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	70	Resp:	48051
Ion	Ratio	Lower	Upper
70	100		
42	49.3	53.9	80.9#
101	0.0	8.2	12.2#
130	2.2	18.2	27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

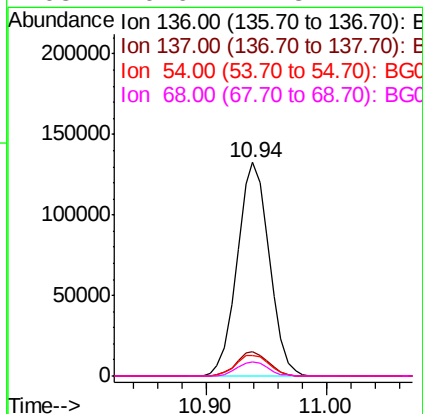
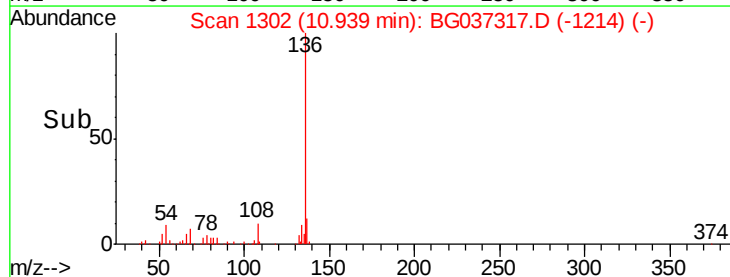
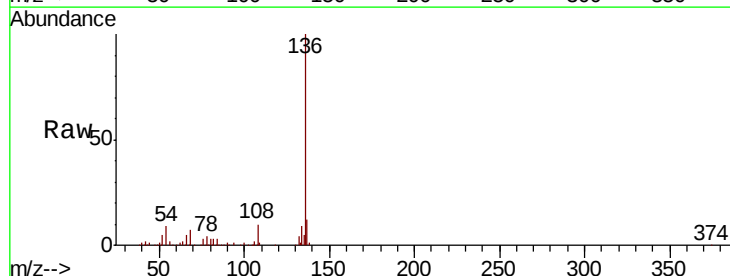
RT: 10.94 min Scan# 1302

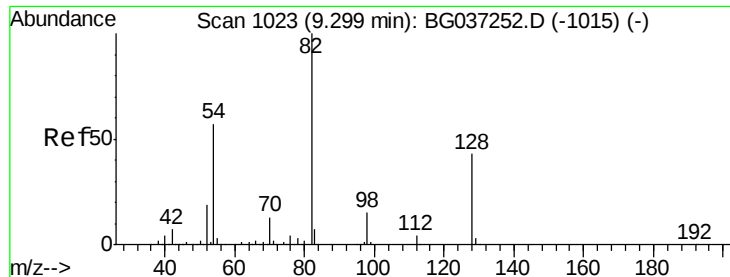
Delta R.T. -0.01 min

Lab File: BG037317.D

Acq: 13 Oct 2018 8:42

Tgt Ion:	136	Resp:	245146
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	9.4	7.9	11.9
68	6.6	4.8	7.2

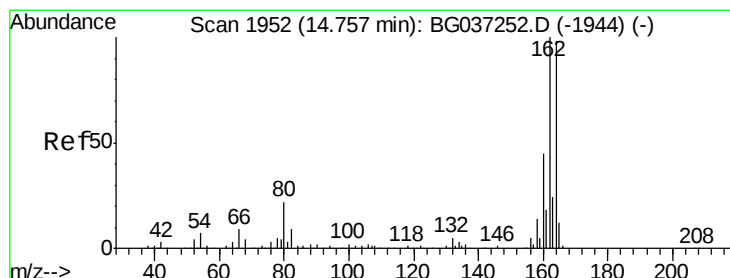
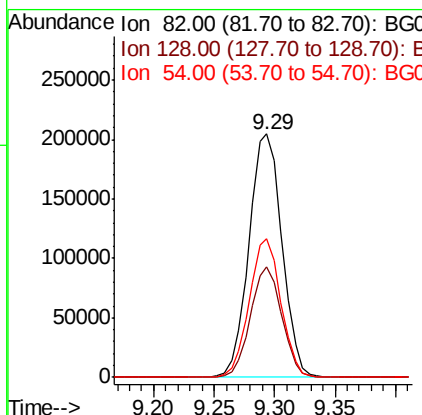
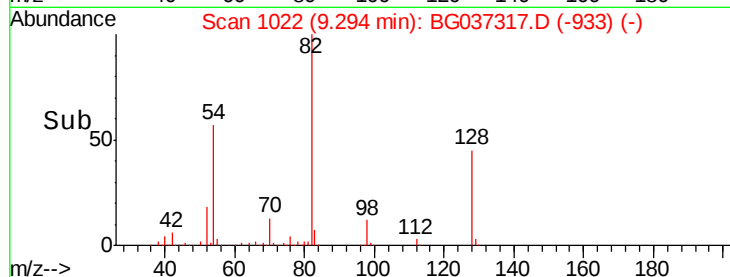
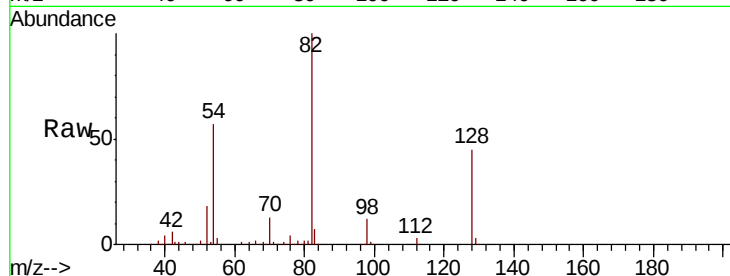




#23
Nitrobenzene-d5
Concen: 104.545 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037317.D
Acq: 13 Oct 2018 8:42

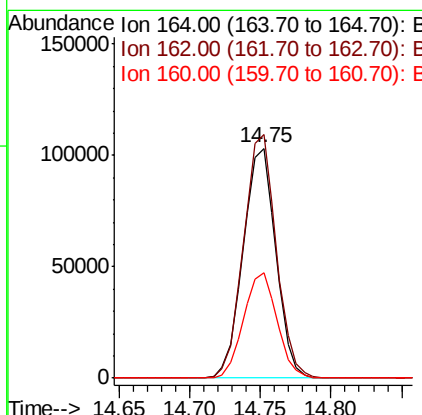
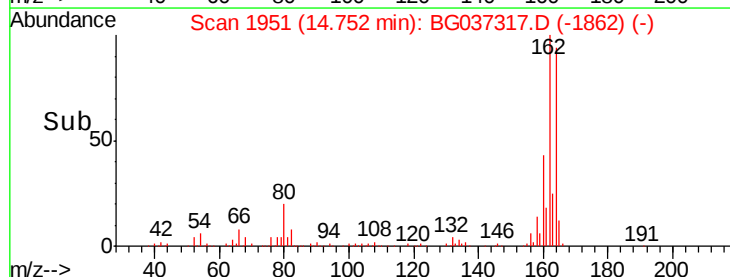
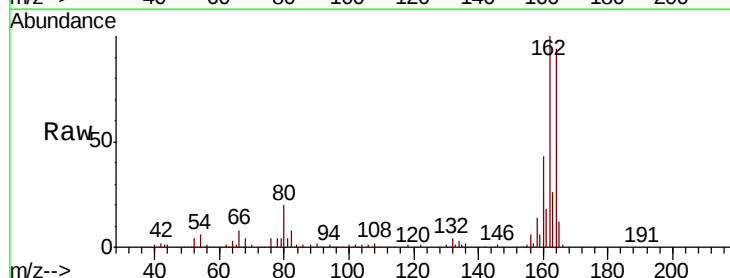
Instrument :
BNA_G
ClientSampleId :

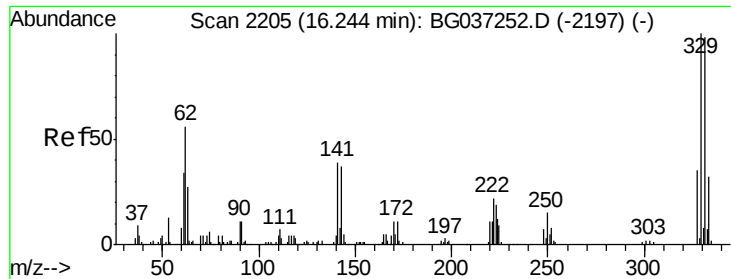
Tot Ion	82.00	Resp	389823
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.6	51.8
54	56.9	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG037317.D
Acq: 13 Oct 2018 8:42

Tgt Ion	164	Resp	167382
Ion	Ratio	Lower	Upper
164	100		
162	105.9	81.3	121.9
160	45.8	36.3	54.5

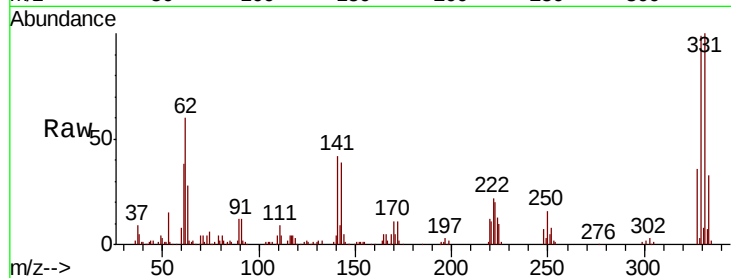




#42
 2,4,6-Tribromophenol
 Concen: 84.295 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG037317.D
 Acq: 13 Oct 2018 8:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.4	117.6
141	39.6	32.2	48.2

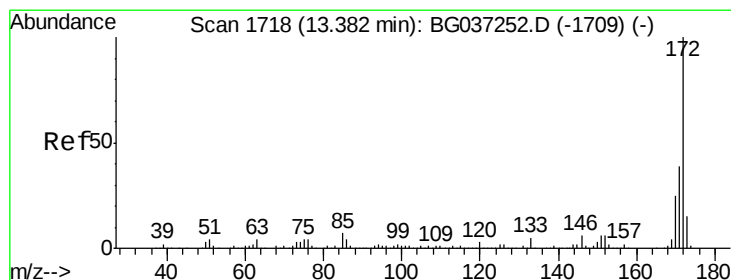
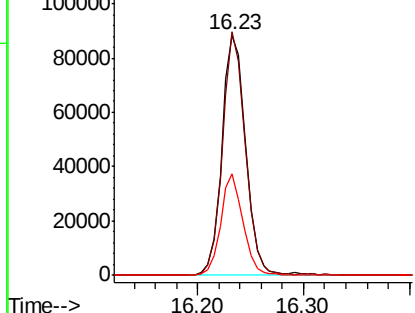
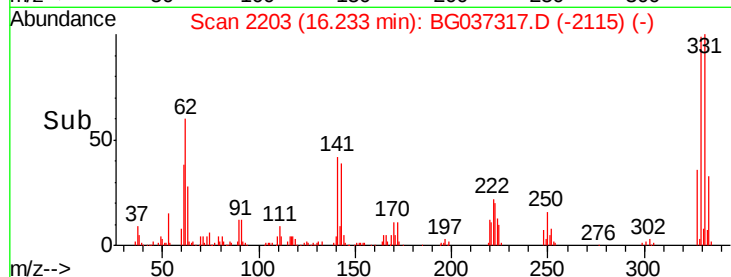


Abundance

Ion 329.80 (329.50 to 330.50): E

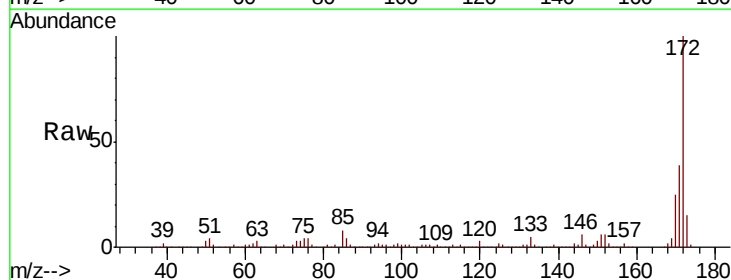
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.747 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG037317.D
 Acq: 13 Oct 2018 8:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	31.0	46.4
170	24.8	20.2	30.2

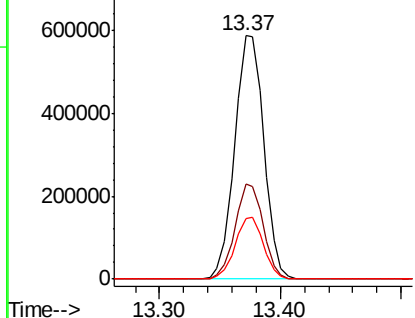
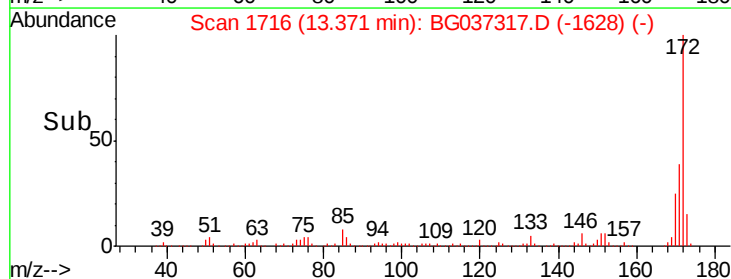


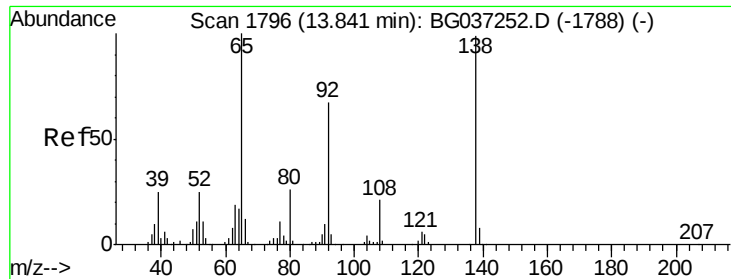
Abundance

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: 5.908 ng

RT: 14.19 min Scan# 1856

Delta R.T. 0.35 min

Lab File: BG037317.D

Acq: 13 Oct 2018 8:42

Instrument :

BNA_G

ClientSampleId :

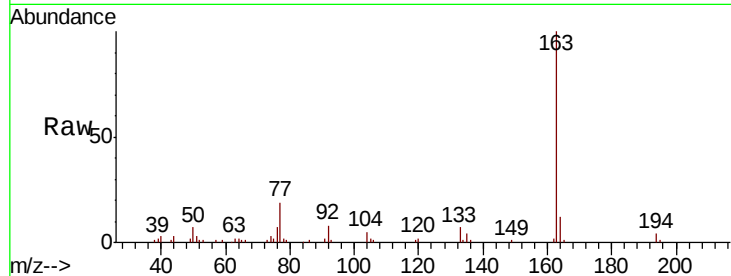
Tot Ion: 65 Resp: 490

Ion Ratio Lower Upper

65 100

92 830.7 53.2 79.8#

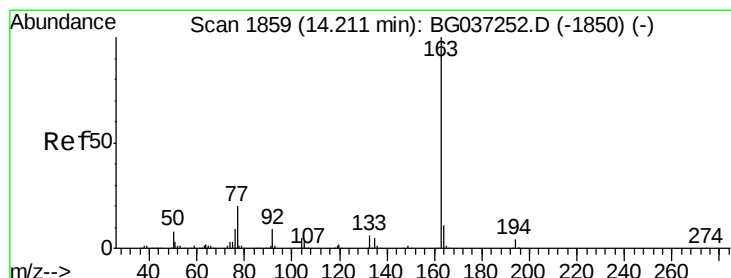
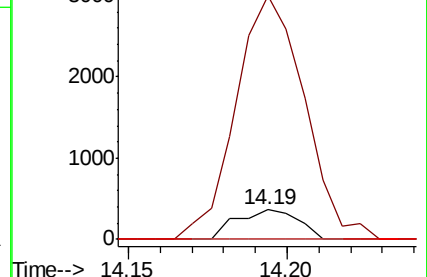
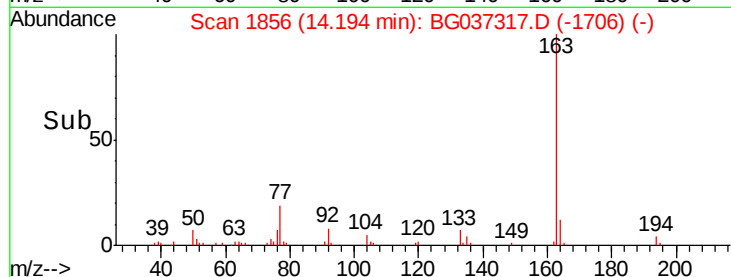
138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BG037317.D (-1788) (-)

Ion 92.00 (91.70 to 92.70): BG037317.D (-1788) (-)

Ion 138.00 (137.70 to 138.70): BG037317.D (-1788) (-)



#50

Dimethylphthalate

Concen: 3.939 ng

RT: 14.19 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BG037317.D

Acq: 13 Oct 2018 8:42

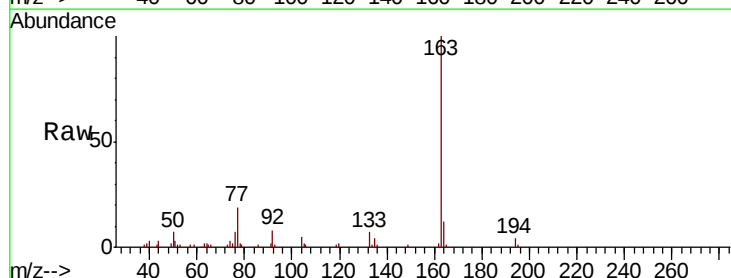
Tgt Ion:163 Resp: 51815

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

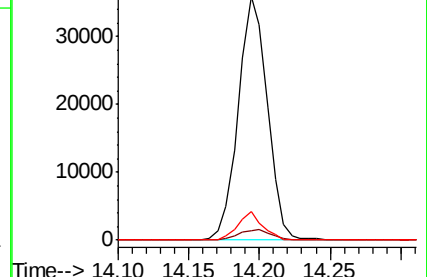
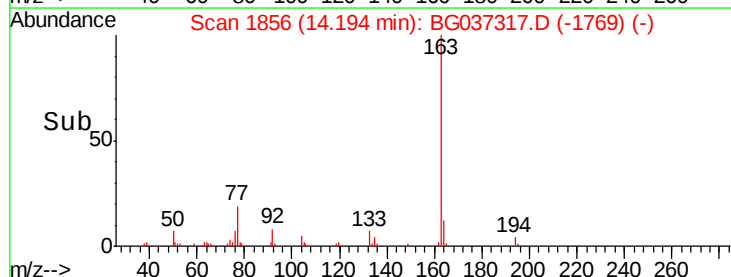
164 11.6 8.5 12.7

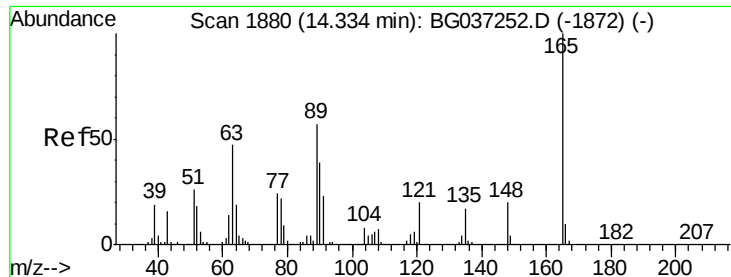


Abundance Ion 163.00 (162.70 to 163.70): BG037317.D (-1706) (-)

Ion 194.00 (193.70 to 194.70): BG037317.D (-1706) (-)

Ion 164.00 (163.70 to 164.70): BG037317.D (-1706) (-)

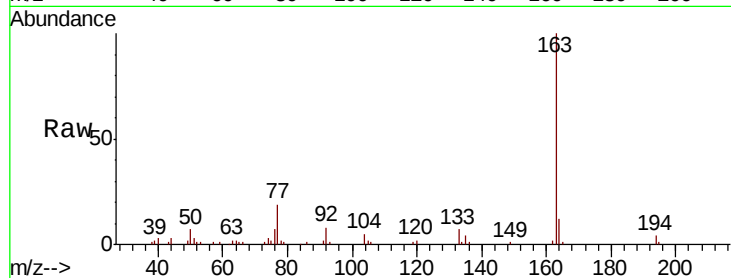




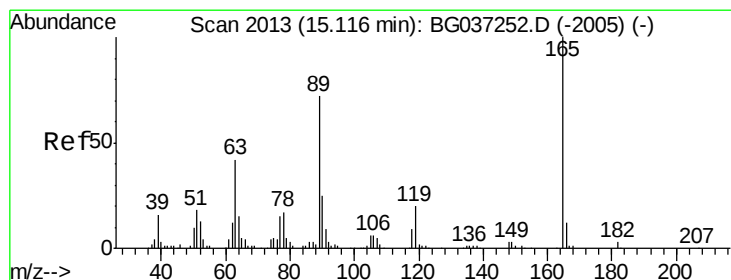
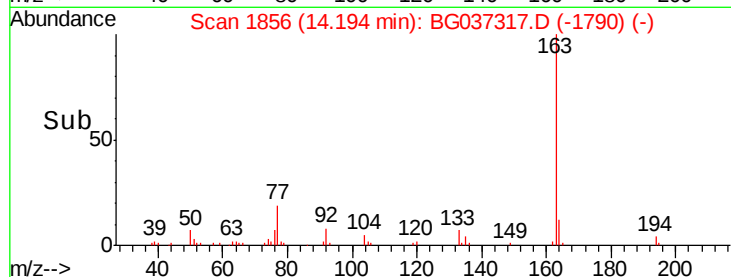
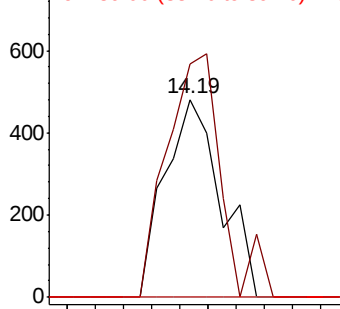
#51
 2,6-Dinitrotoluene
 Concen: 5.043 ng
 RT: 14.19 min Scan# 1856
 Delta R.T. -0.14 min
 Lab File: BG037317.D
 Acq: 13 Oct 2018 8:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	118.3	43.4	65.2#
89	0.0	45.8	68.6#

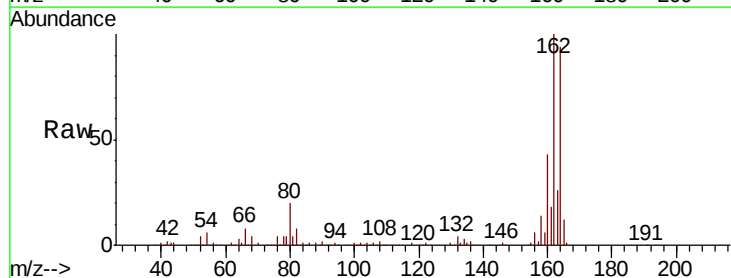


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

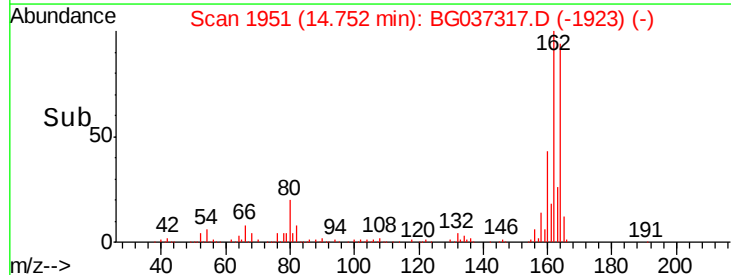
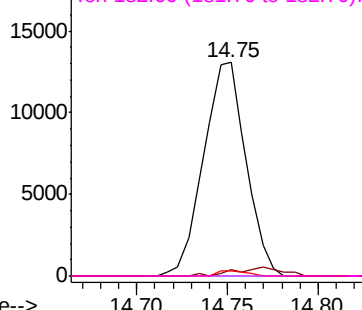


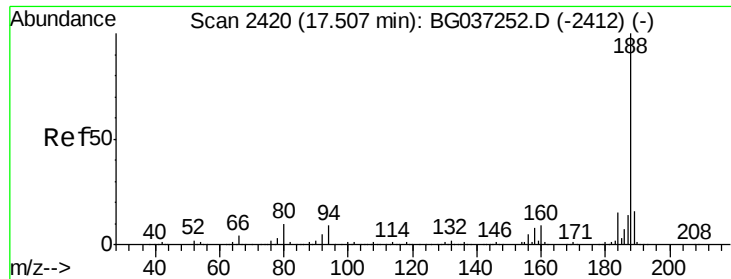
#57
 2,4-Dinitrotoluene
 Concen: 11.206 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG037317.D
 Acq: 13 Oct 2018 8:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	33.4	50.0#
89	2.4	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: BG037317.D

Acq: 13 Oct 2018 8:42

Instrument :

BNA_G

ClientSampleId :

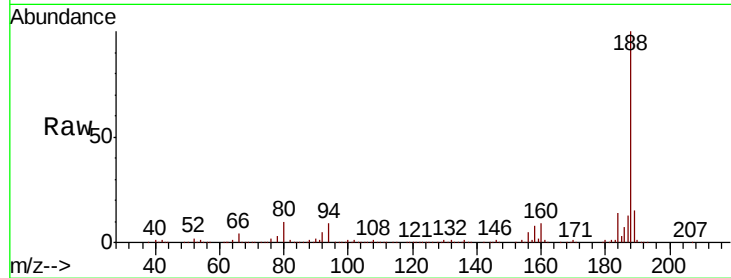
Tot Ion:188 Resp: 429498

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

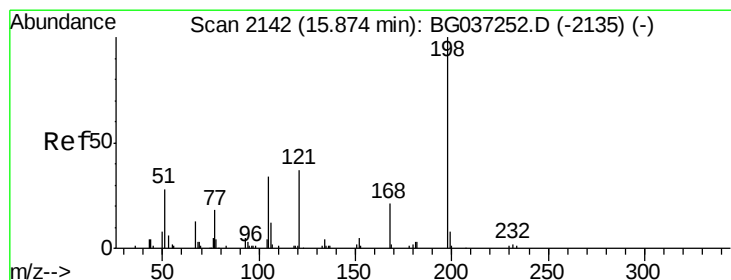
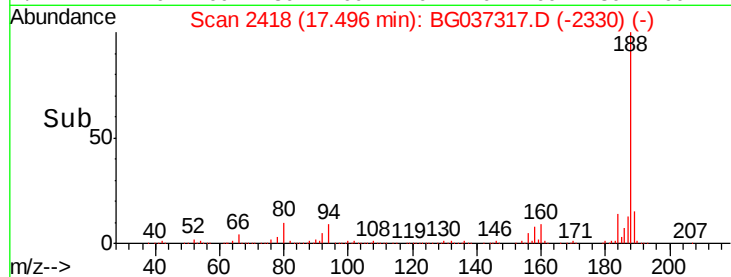
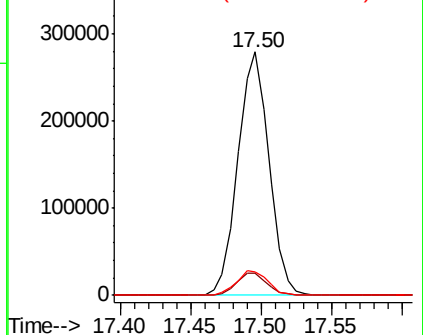
80 9.6 7.7 11.5



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: 6.343 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.35 min

Lab File: BG037317.D

Acq: 13 Oct 2018 8:42

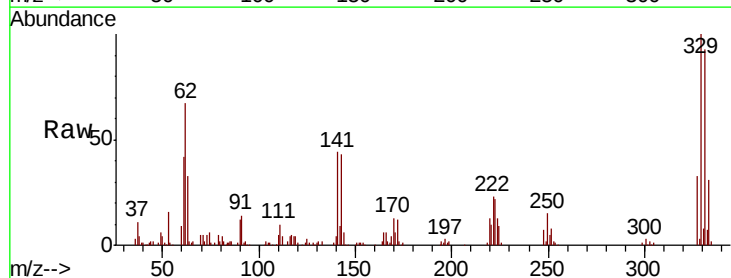
Tgt Ion:198 Resp: 610

Ion Ratio Lower Upper

198 100

51 27.6 22.7 62.7

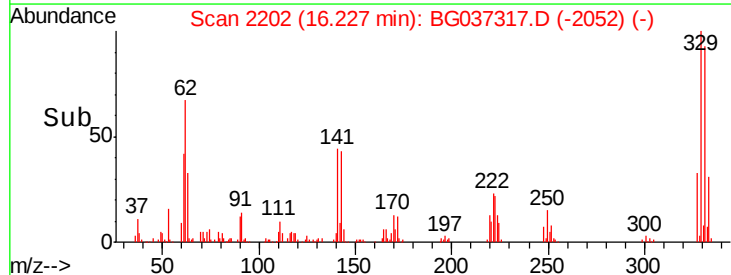
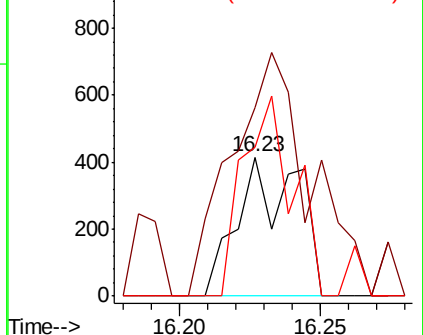
105 21.8 19.7 59.7

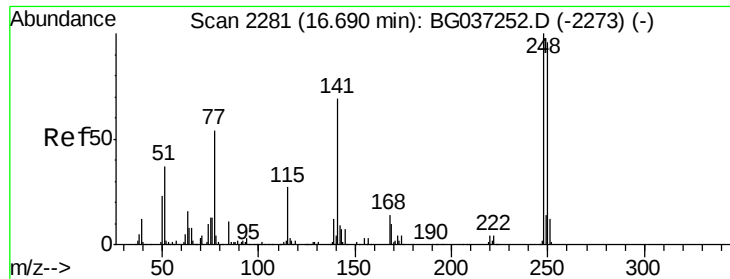


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

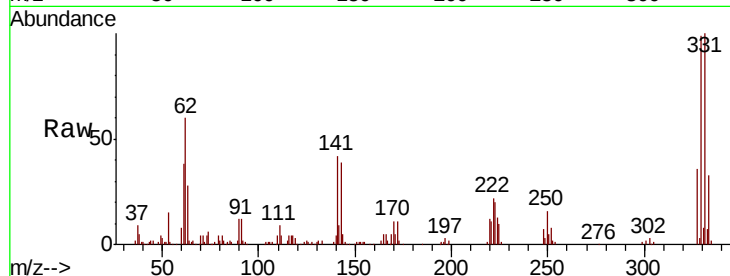




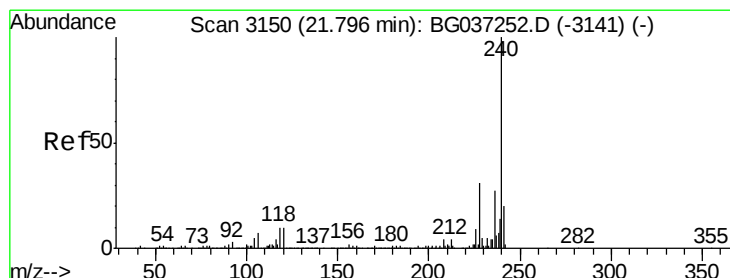
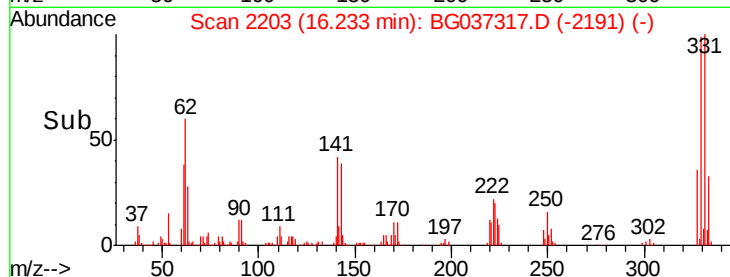
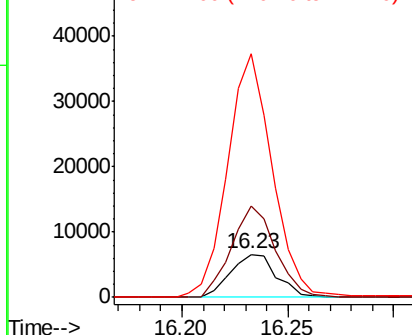
#67
4-Bromophenyl-phenylether
Concen: 2.132 ng
RT: 16.23 min Scan# 2203
Delta R.T. -0.46 min
Lab File: BG037317.D
Acq: 13 Oct 2018 8:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 9884
Ion Ratio Lower Upper
248 100
250 198.2 77.0 115.6#
141 409.4 55.5 83.3#

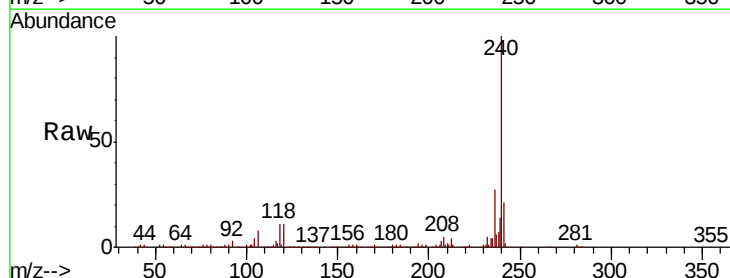


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

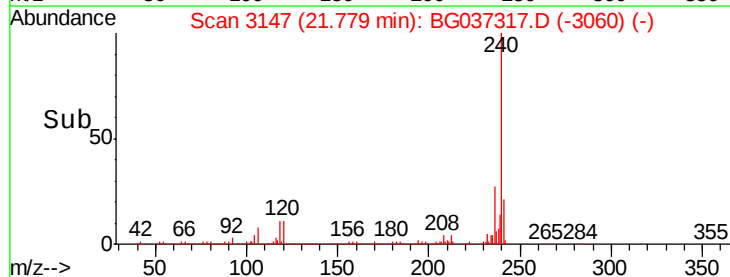
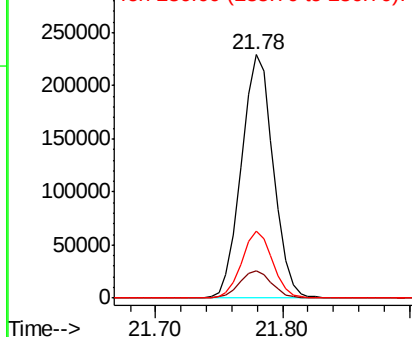


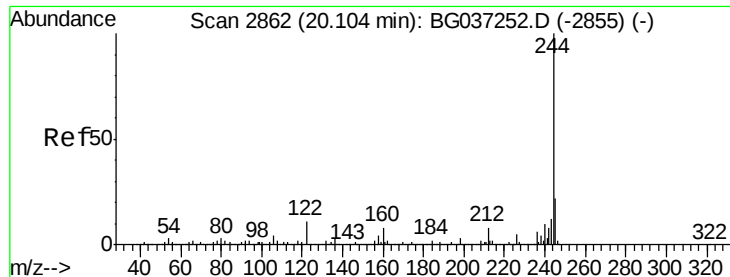
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3147
Delta R.T. -0.02 min
Lab File: BG037317.D
Acq: 13 Oct 2018 8:42

Tgt Ion:240 Resp: 401148
Ion Ratio Lower Upper
240 100
120 11.1 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: 84.726 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG037317.D

Acq: 13 Oct 2018 8:42

Instrument :

BNA_G

ClientSampleId :

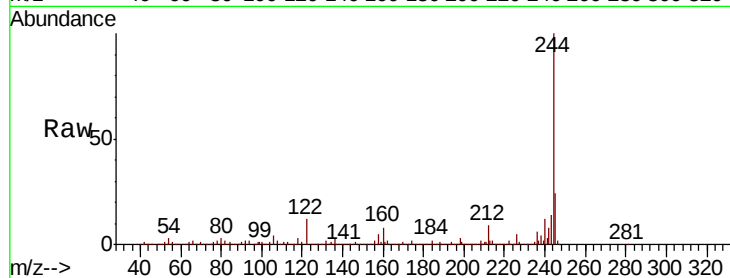
Tot Ion:244 Resp: 1618656

Ion Ratio Lower Upper

244 100

212 9.0 6.5 9.7

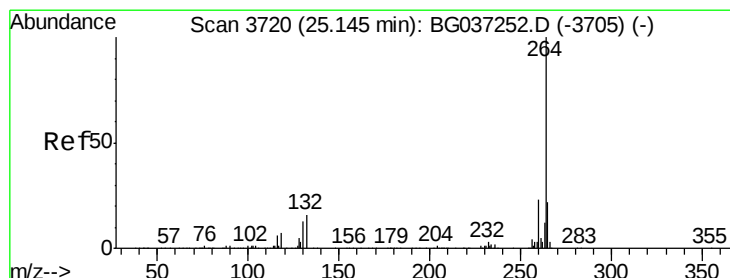
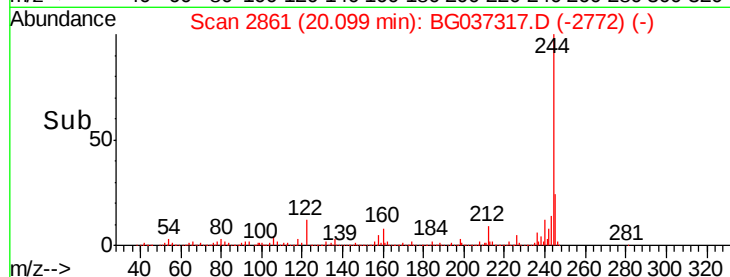
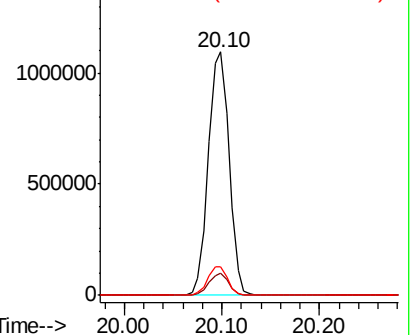
122 11.7 9.0 13.4



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: BG037317.D

Acq: 13 Oct 2018 8:42

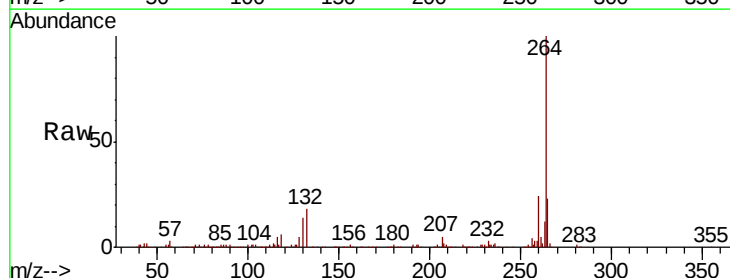
Tgt Ion:264 Resp: 404863

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 22.6 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

