

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037295.D
 Acq On : 12 Oct 2018 17:40
 Operator : JU/SJ
 Sample : J5450-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 18:38:04 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	52115	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	221373	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	153882	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	395254	20.00	ng	-0.01
76) Chrysene-d12	21.79	240	373998	20.00	ng	-0.01
87) Perylene-d12	25.13	264	377345	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	386560	130.54	ng	0.00
7) Phenol-d6	7.26	99	557865	124.12	ng	0.00
23) Nitrobenzene-d5	9.29	82	308123	91.51	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	209860	139.06	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	808908	78.94	ng	0.00
79) Terphenyl-d14	20.10	244	1373847	77.13	ng	0.00

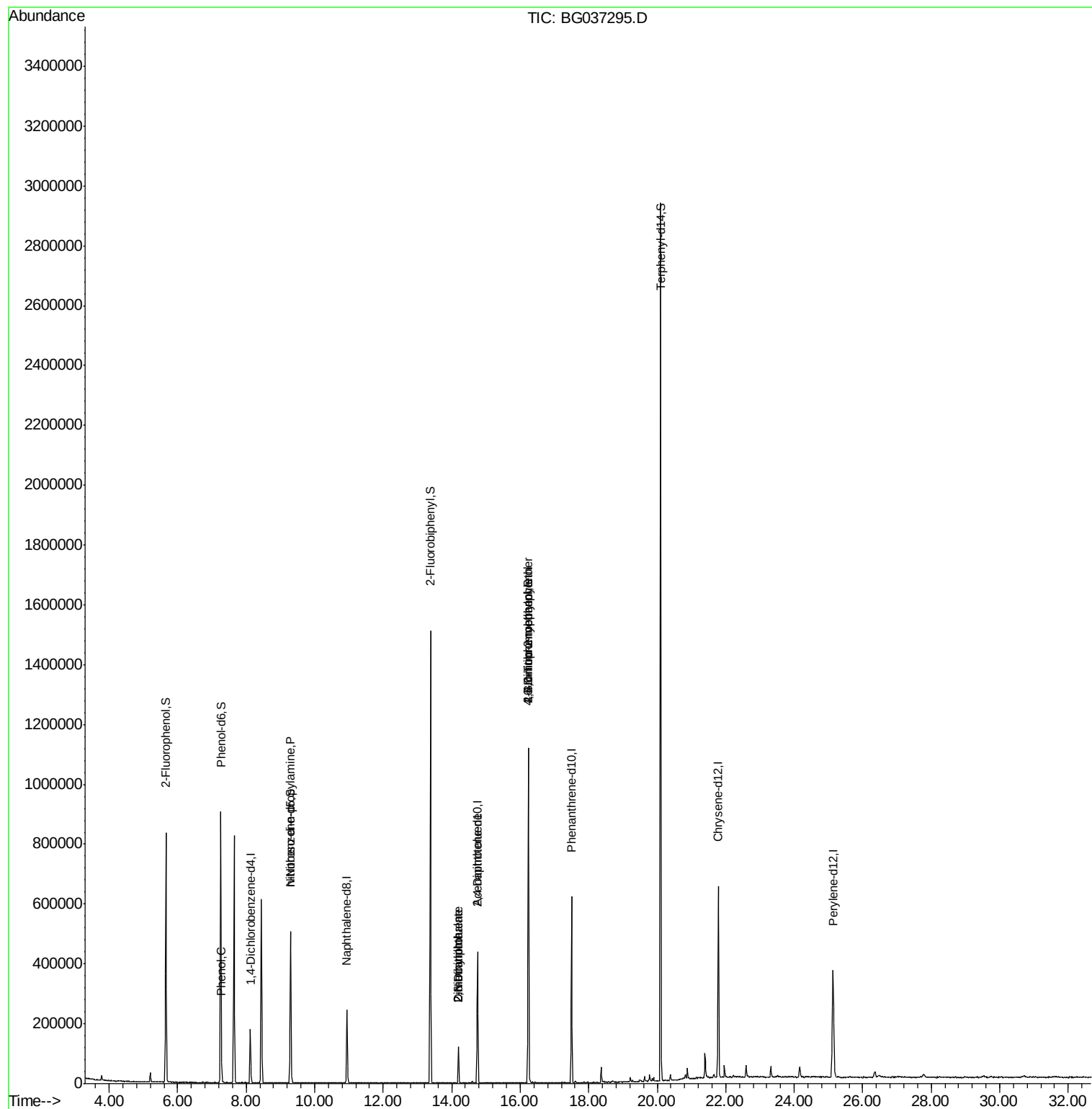
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	17477	3.692	ng	95
19) n-Nitroso-di-n-propylamine	9.29	70	39802	11.696	ng	# 71
48) 2-Nitroaniline	14.20	65	687	5.988	ng	# 1
50) Dimethylphthalate	14.19	163	88433	7.313	ng	99
51) 2,6-Dinitrotoluene	14.20	165	783	5.111	ng	# 16
57) 2,4-Dinitrotoluene	14.75	165	19545	11.176	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	146	6.049	ng	81
67) 4-Bromophenyl-phenylether	16.24	248	15925	3.733	ng	# 1

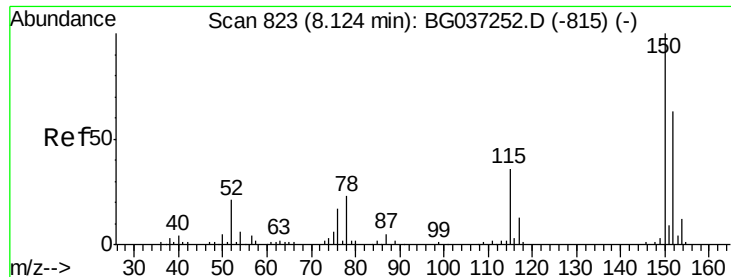
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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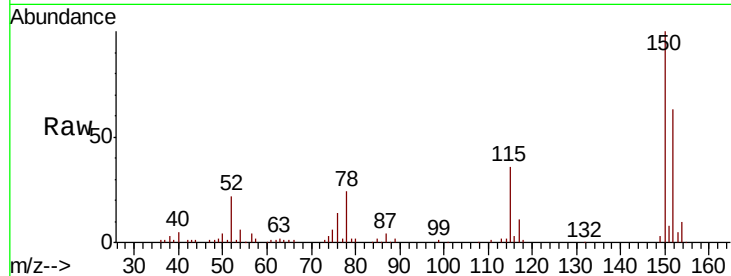


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037295.D
Acq: 12 Oct 2018 17:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.0	189.0
115	57.6	45.5	68.3

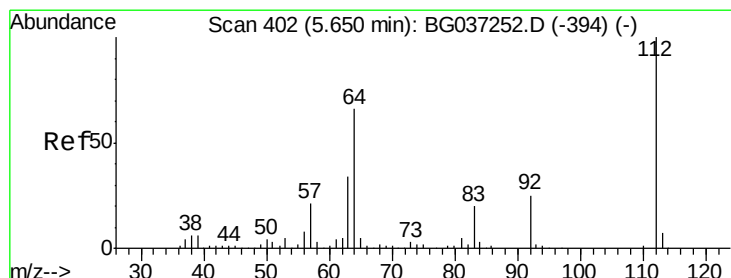
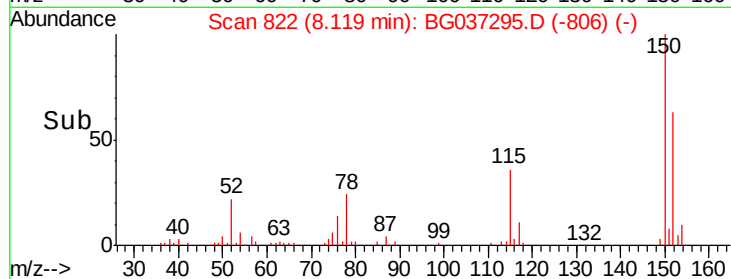
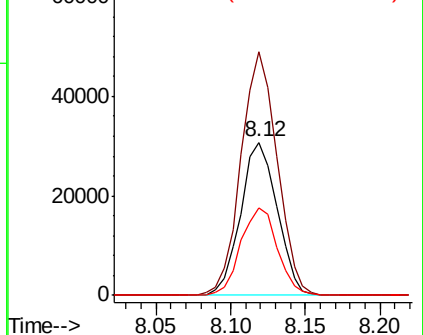


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

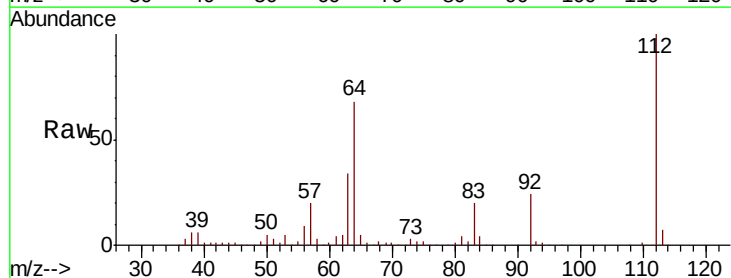
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.540 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037295.D
Acq: 12 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.1	79.7
63	33.7	27.3	40.9

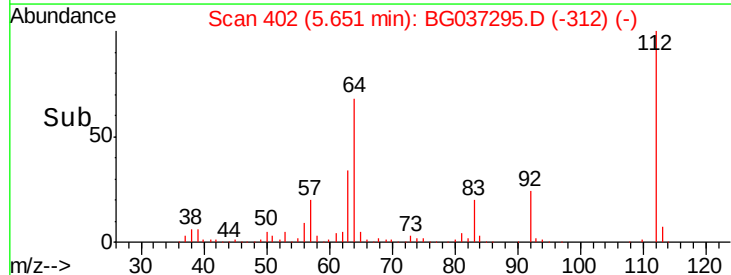
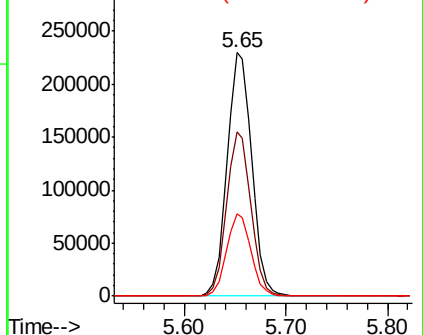


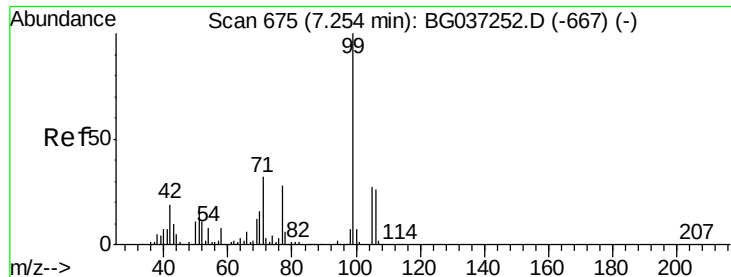
Abundance

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: 124.117 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037295.D

Acq: 12 Oct 2018 17:40

Instrument :

BNA_G

ClientSampleId :

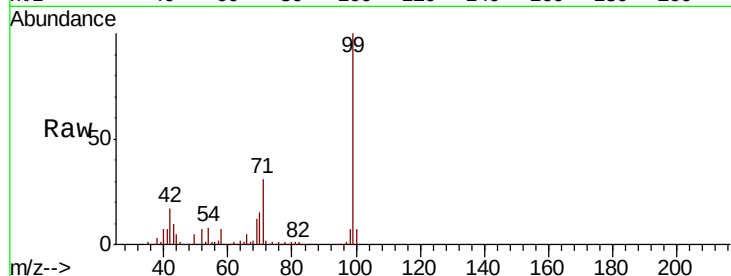
Tot Ion: 99 Resp: 557865

Ion Ratio Lower Upper

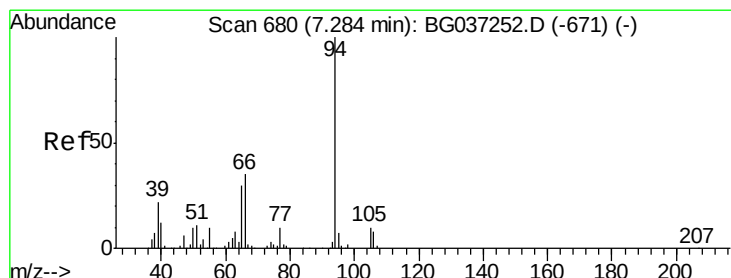
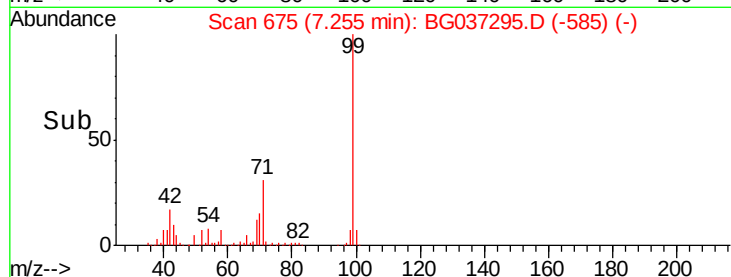
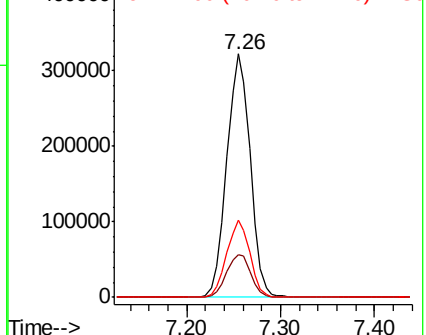
99 100

42 17.5 15.0 22.4

71 31.5 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: 3.692 ng

RT: 7.28 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG037295.D

Acq: 12 Oct 2018 17:40

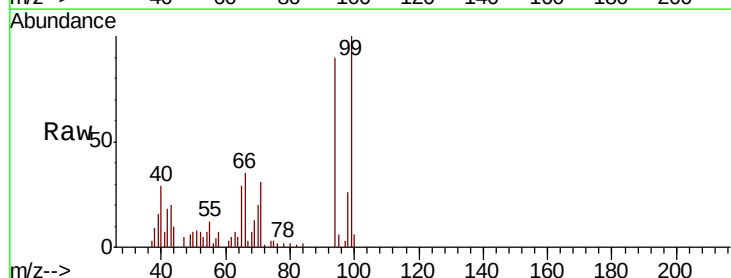
Tgt Ion: 94 Resp: 17477

Ion Ratio Lower Upper

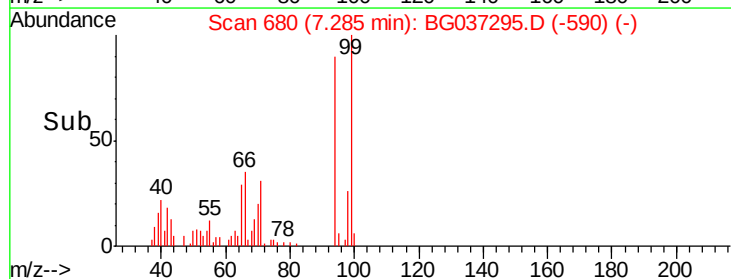
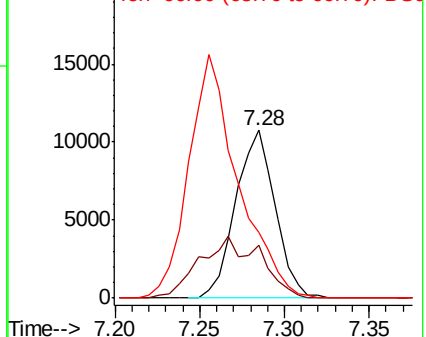
94 100

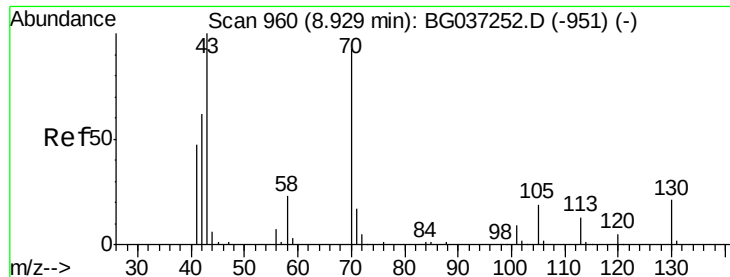
65 31.8 9.7 49.7

66 39.2 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: 11.696 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.37 min

Lab File: BG037295.D

Acq: 12 Oct 2018 17:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 39802

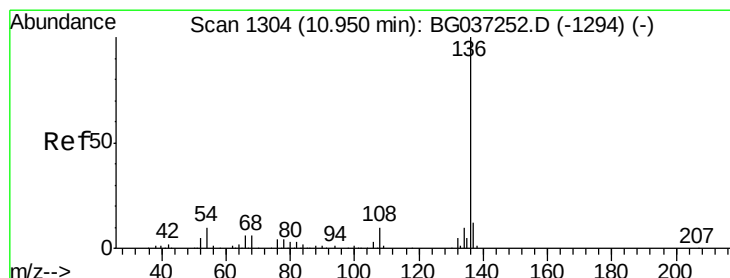
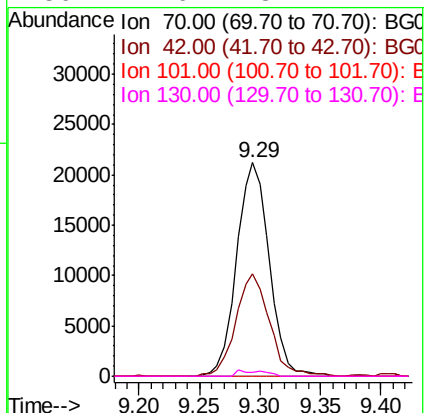
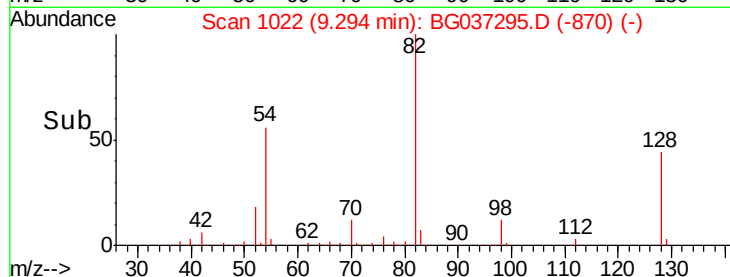
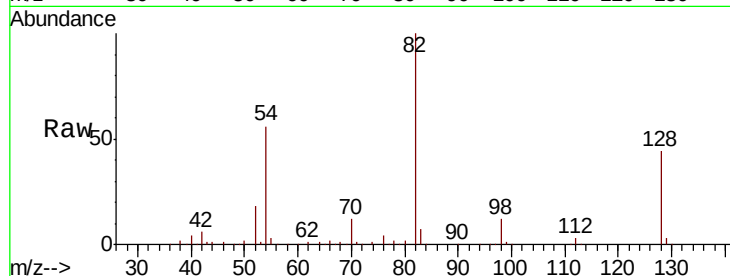
Ion Ratio Lower Upper

70 100

42 48.2 53.9 80.9#

101 0.0 8.2 12.2#

130 1.6 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: BG037295.D

Acq: 12 Oct 2018 17:40

Tgt Ion: 136 Resp: 221373

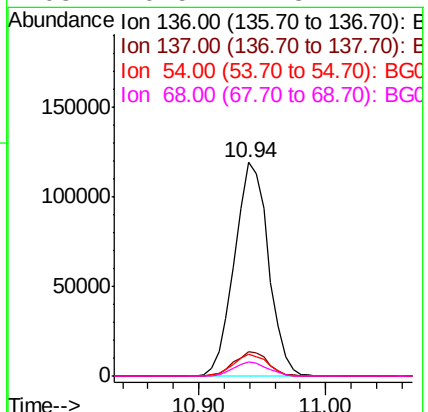
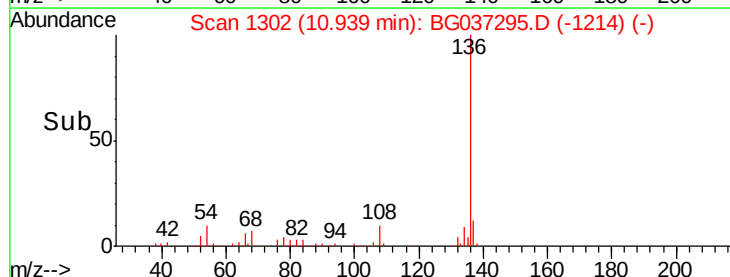
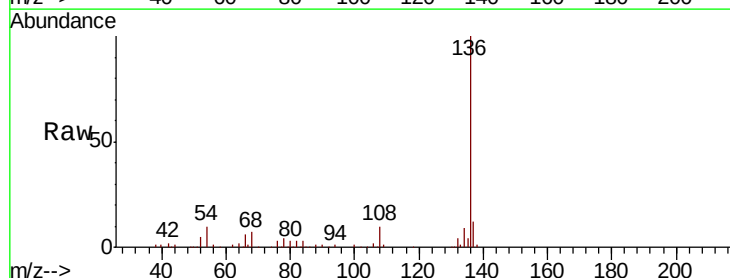
Ion Ratio Lower Upper

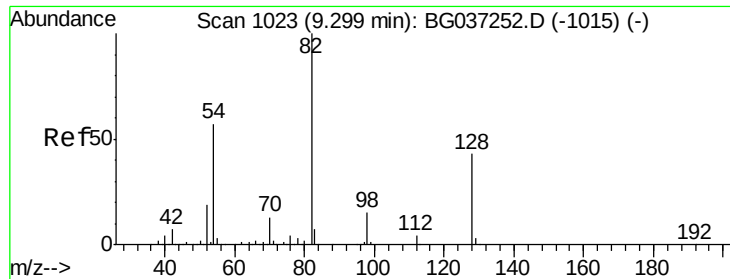
136 100

137 11.6 9.6 14.4

54 10.2 7.9 11.9

68 6.5 4.8 7.2

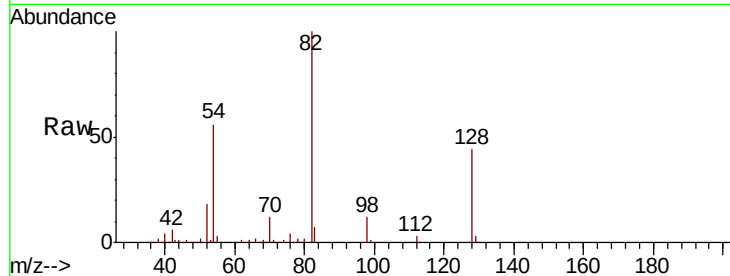




#23
 Nitrobenzene-d5
 Concen: 91.508 ng
 RT: 9.29 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	308123
Ion Ratio	Lower	Upper	
82	100		
128	43.9	34.6	51.8
54	55.7	45.3	67.9

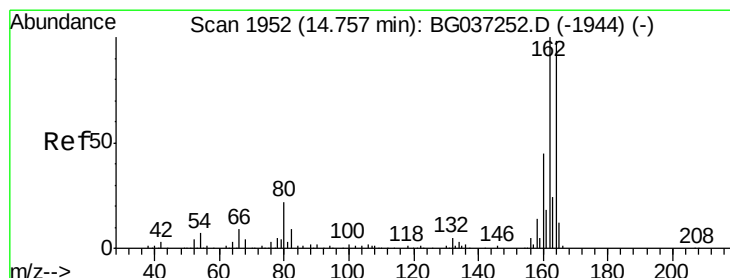
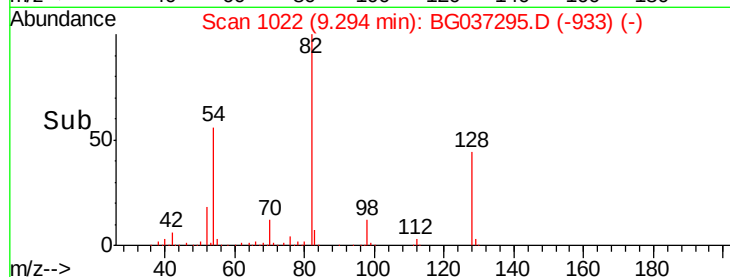
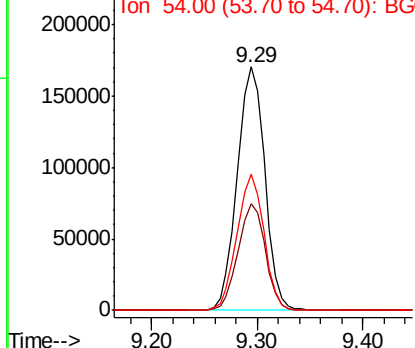


Abundance

Ion 82.00 (81.70 to 82.70): BG037295.D (-933) (-)

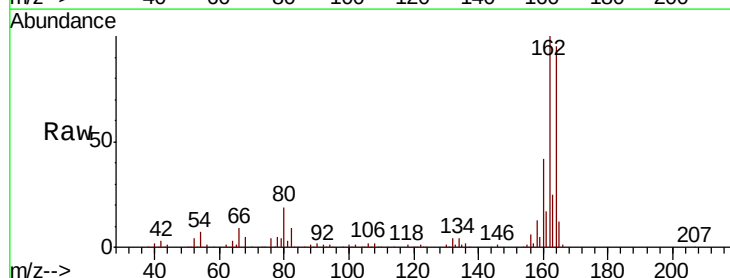
Ion 128.00 (127.70 to 128.70): BG037295.D (-933) (-)

Ion 54.00 (53.70 to 54.70): BG037295.D (-933) (-)



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

Tgt Ion	164	Resp	153882
Ion Ratio	Lower	Upper	
164	100		
162	105.7	81.3	121.9
160	44.7	36.3	54.5

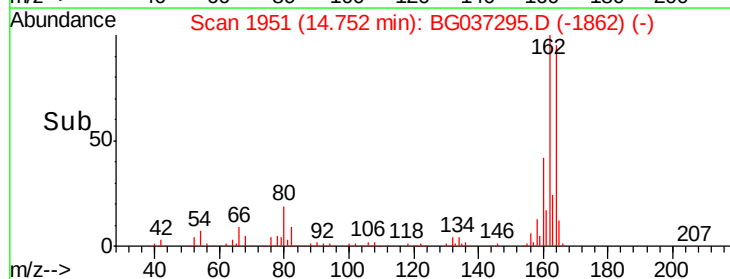
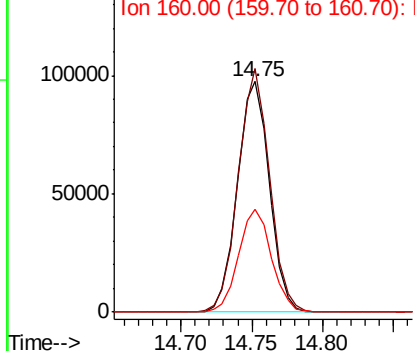


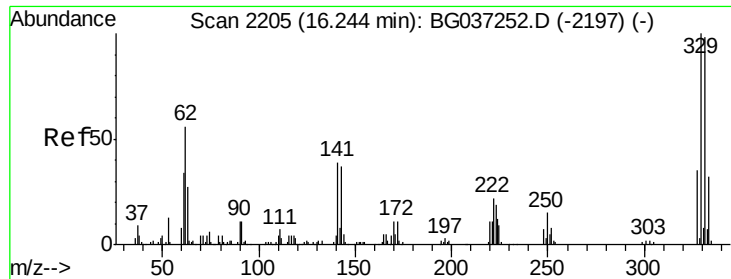
Abundance

Ion 164.00 (163.70 to 164.70): BG037295.D (-1862) (-)

Ion 162.00 (161.70 to 162.70): BG037295.D (-1862) (-)

Ion 160.00 (159.70 to 160.70): BG037295.D (-1862) (-)





#42

2,4,6-Tribromophenol

Concen: 139.058 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BG037295.D

Acq: 12 Oct 2018 17:40

Instrument :

BNA_G

ClientSampleId :

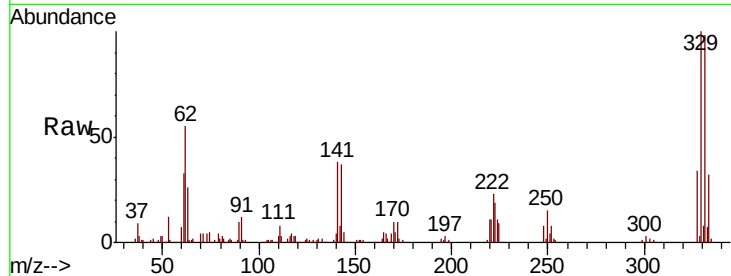
Tot Ion:330 Resp: 209860

Ion Ratio Lower Upper

330 100

332 96.8 78.4 117.6

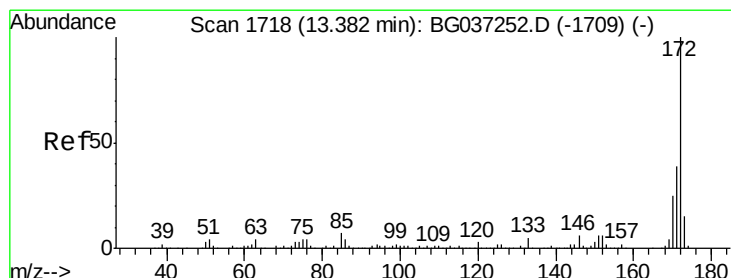
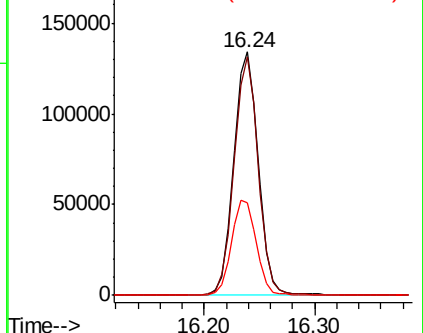
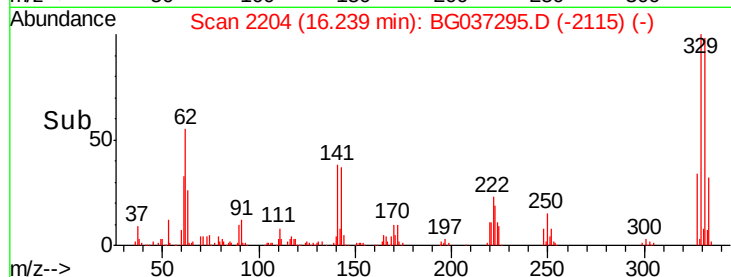
141 39.3 32.2 48.2



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: 78.943 ng

RT: 13.38 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BG037295.D

Acq: 12 Oct 2018 17:40

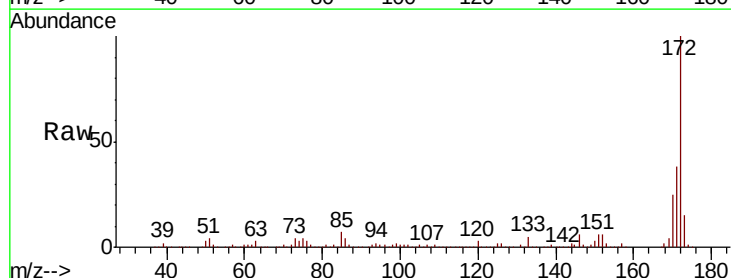
Tgt Ion:172 Resp: 808908

Ion Ratio Lower Upper

172 100

171 38.4 31.0 46.4

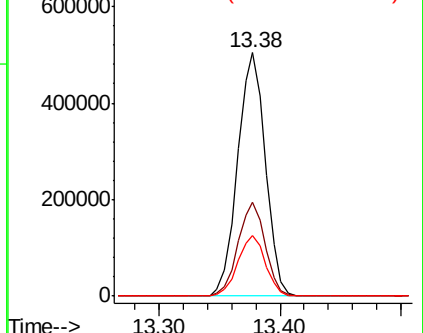
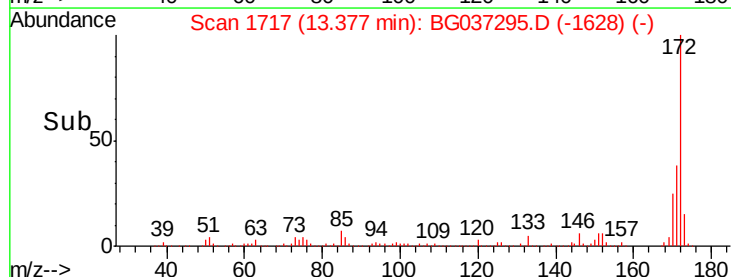
170 25.0 20.2 30.2

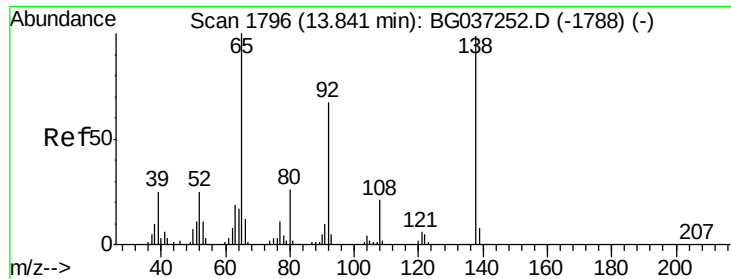


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 5.988 ng

RT: 14.20 min Scan# 1857

Delta R.T. 0.36 min

Lab File: BG037295.D

Acq: 12 Oct 2018 17:40

Instrument :

BNA_G

ClientSampleId :

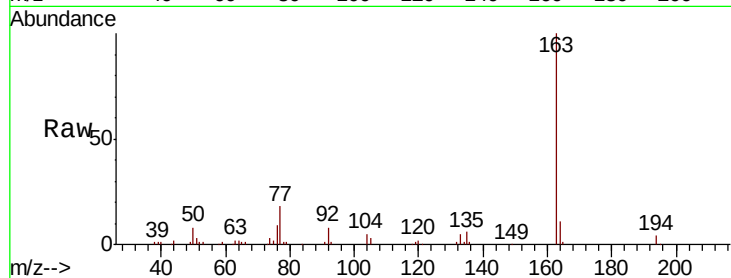
Tot Ion: 65 Resp: 687

Ion Ratio Lower Upper

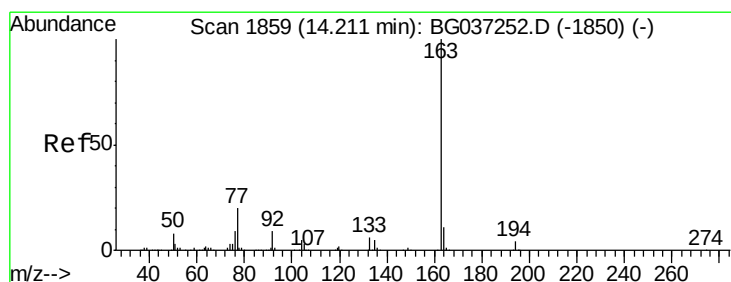
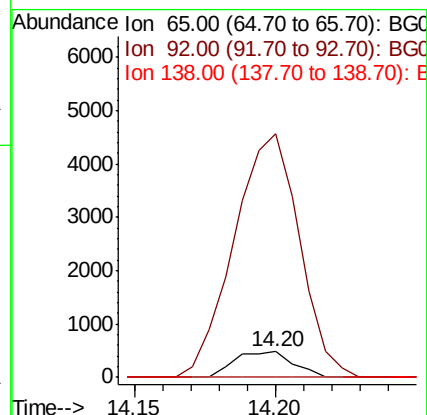
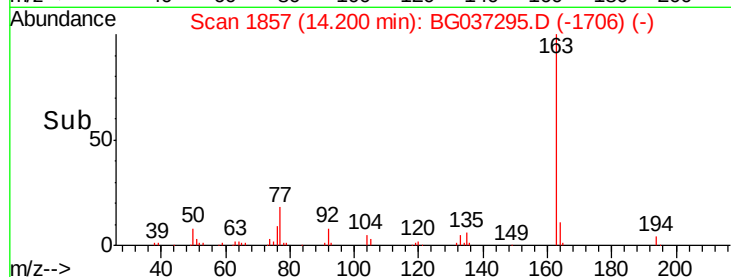
65 100

92 954.6 53.2 79.8#

138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 7.313 ng

RT: 14.19 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BG037295.D

Acq: 12 Oct 2018 17:40

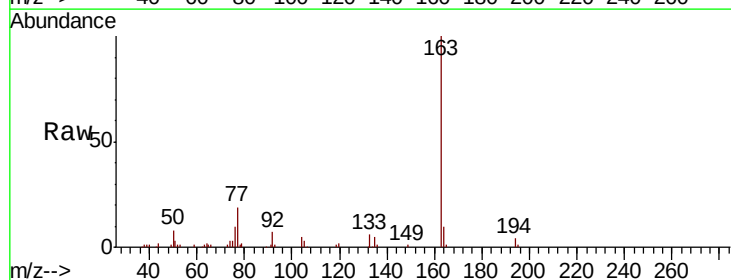
Tgt Ion: 163 Resp: 88433

Ion Ratio Lower Upper

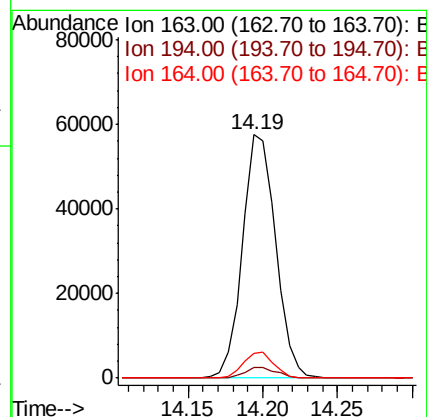
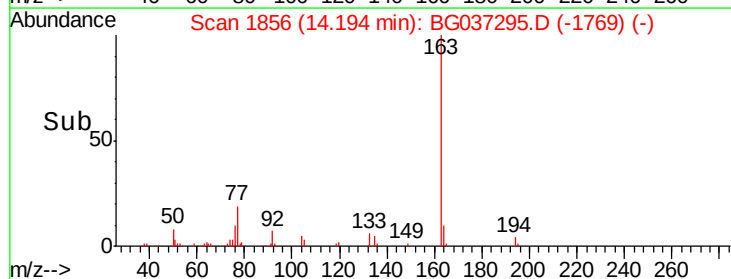
163 100

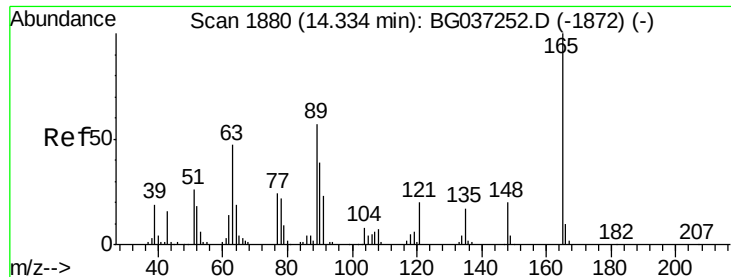
194 4.2 3.5 5.3

164 10.4 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

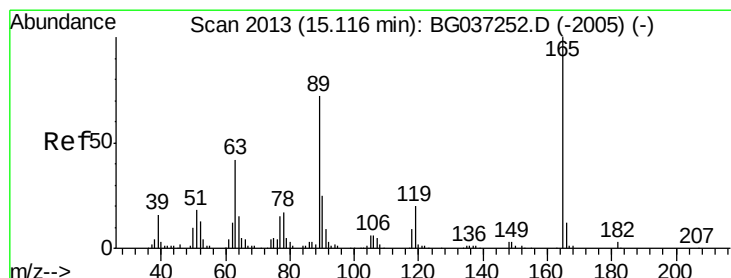
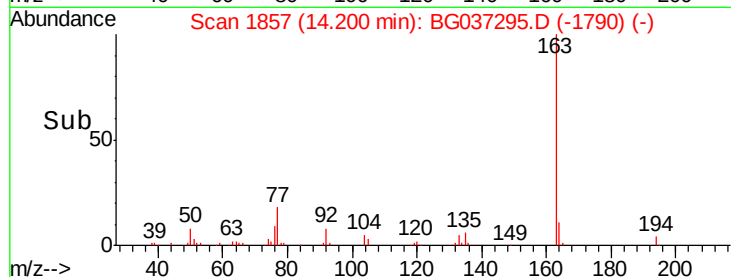
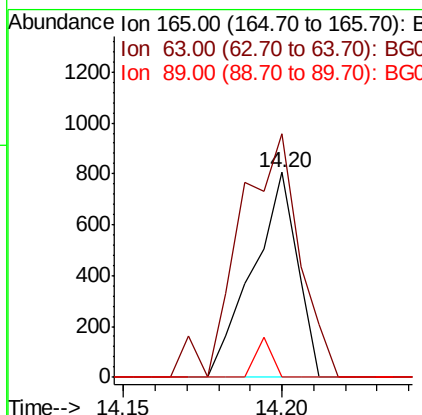
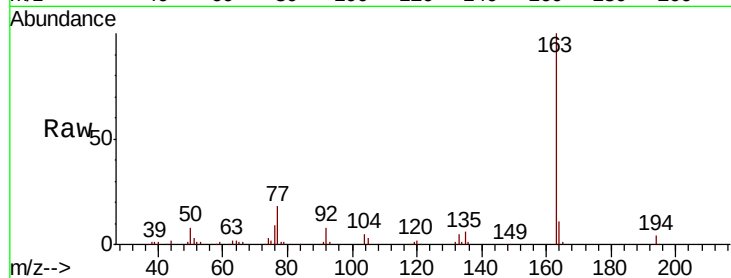




#51
 2,6-Dinitrotoluene
 Concen: 5.111 ng
 RT: 14.20 min Scan# 1857
 Delta R.T. -0.13 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

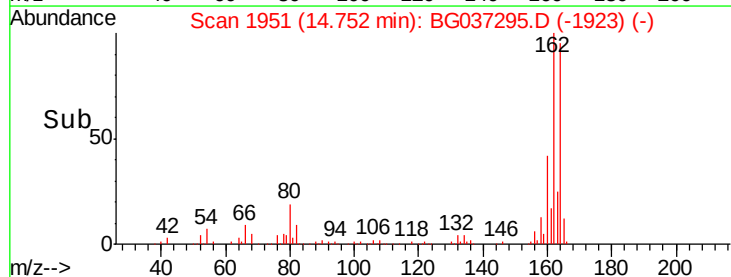
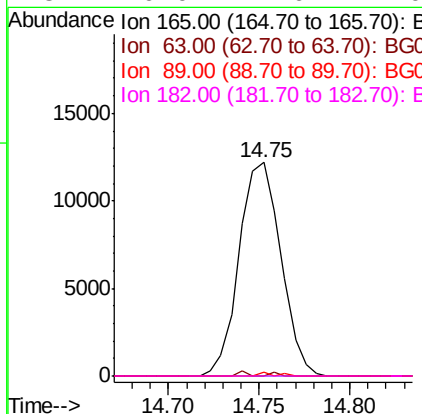
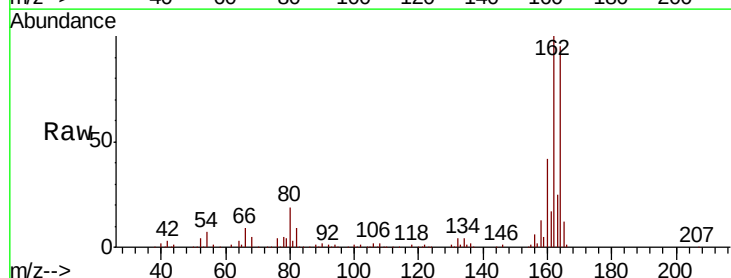
Instrument :
 BNA_G
 ClientSampleId :

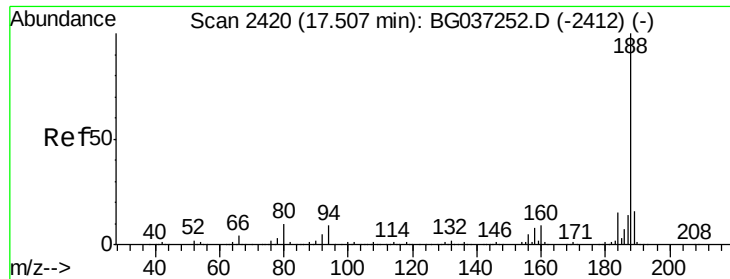
Tot Ion:165 Resp: 783
 Ion Ratio Lower Upper
 165 100
 63 118.9 43.4 65.2#
 89 0.0 45.8 68.6#



#57
 2,4-Dinitrotoluene
 Concen: 11.176 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

Tgt Ion:165 Resp: 19545
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 2.0 57.2 85.8#
 182 0.0 2.6 4.0#

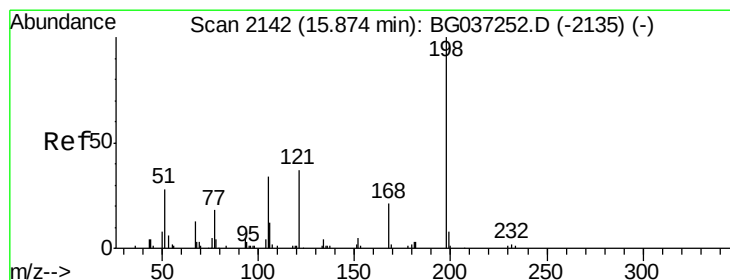
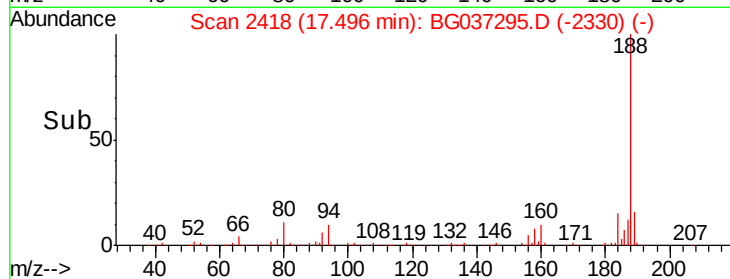
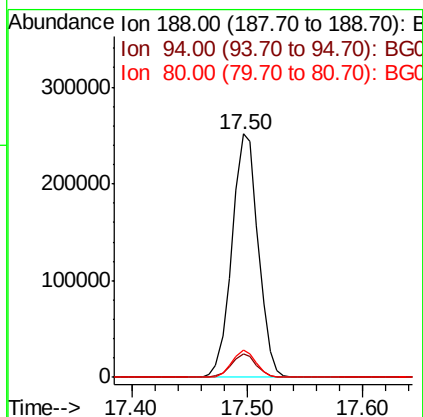
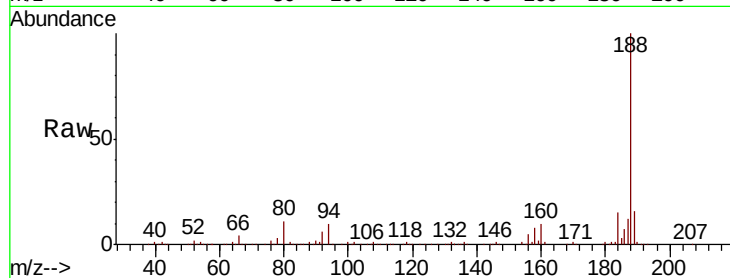




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG037295.D
Acq: 12 Oct 2018 17:40

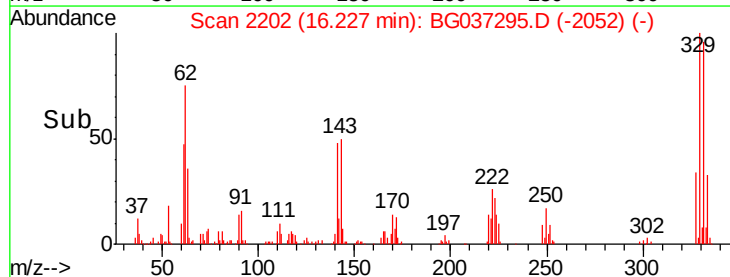
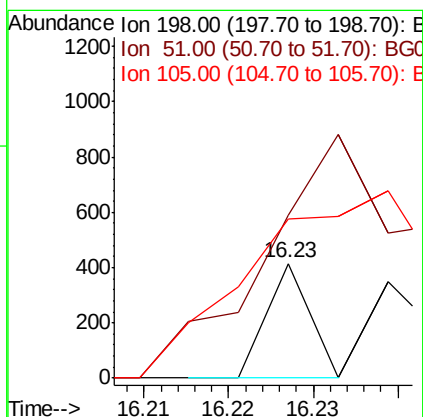
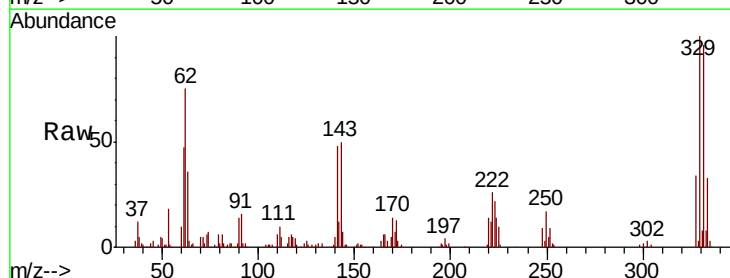
Instrument :
BNA_G
ClientSampleId :

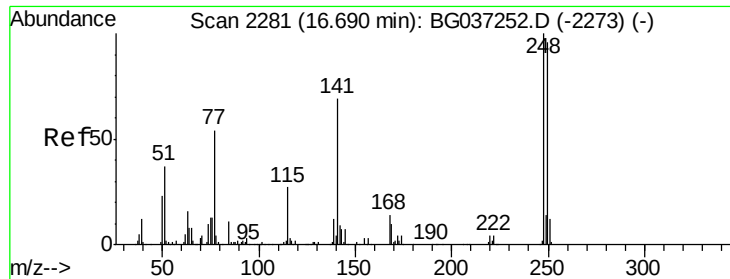
Tot Ion:188 Resp: 395254
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 11.2 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 6.049 ng
RT: 16.23 min Scan# 2202
Delta R.T. 0.35 min
Lab File: BG037295.D
Acq: 12 Oct 2018 17:40

Tgt Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
51 29.6 22.7 62.7
105 29.0 19.7 59.7

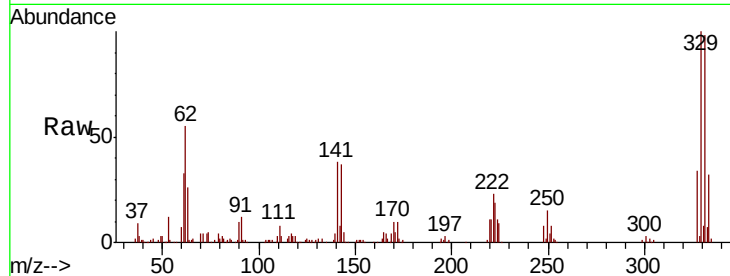




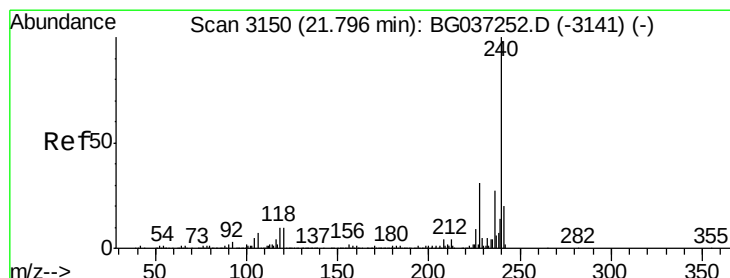
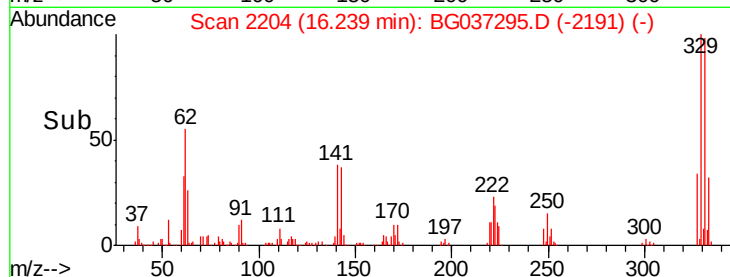
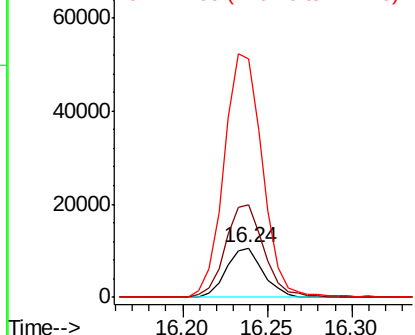
#67
 4-Bromophenyl-phenylether
 Concen: 3.733 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15925
 Ion Ratio Lower Upper
 248 100
 250 186.6 77.0 115.6#
 141 373.4 55.5 83.3#

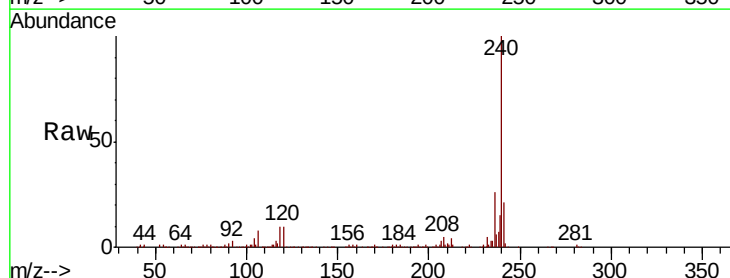


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

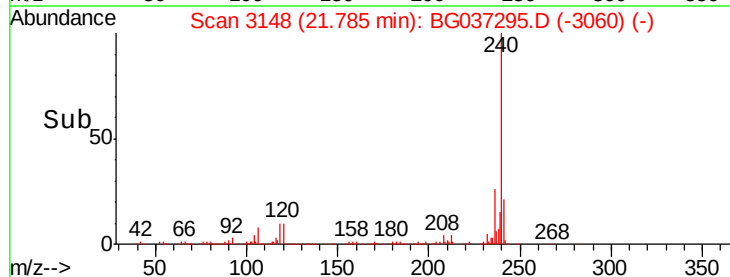
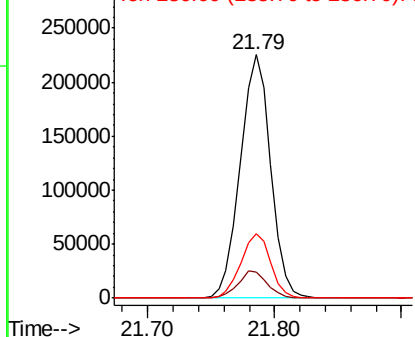


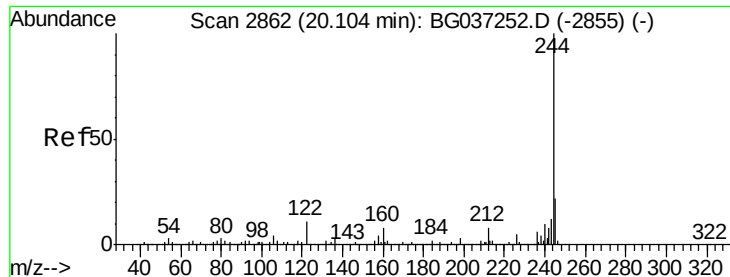
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

Tgt Ion:240 Resp: 373998
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.1 12.1
 236 26.5 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



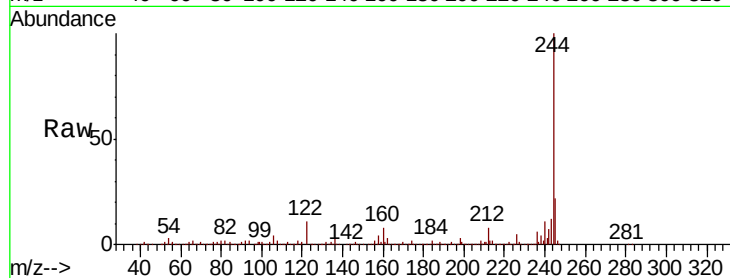


#79
 Terphenyl-d14
 Concen: 77.132 ng
 RT: 20.10 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

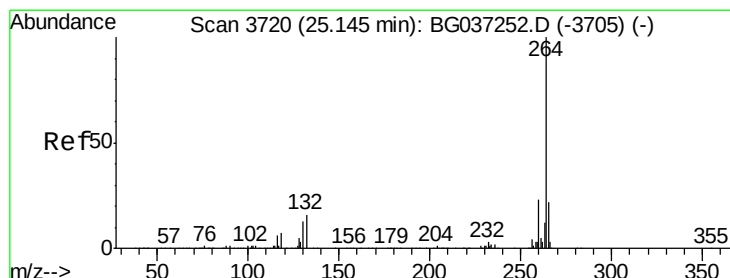
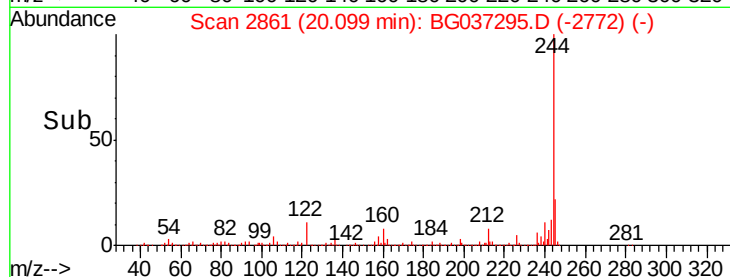
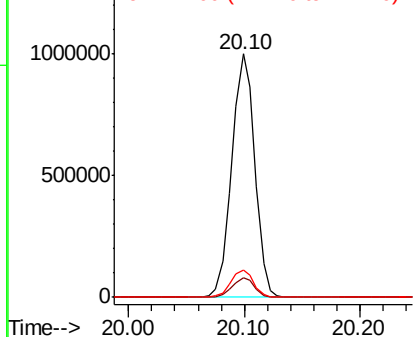
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1373847

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	11.5	9.0	13.4



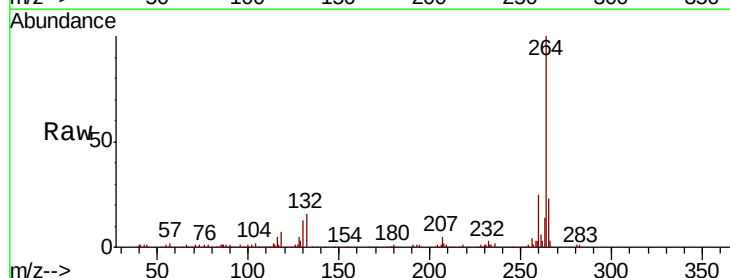
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.13 min Scan# 3718
 Delta R.T. -0.01 min
 Lab File: BG037295.D
 Acq: 12 Oct 2018 17:40

Tgt Ion:264 Resp: 377345

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.2	27.4
265	22.8	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

