

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037316.D
 Acq On : 13 Oct 2018 8:03
 Operator : JU/SJ
 Sample : J5383-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:14:35 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

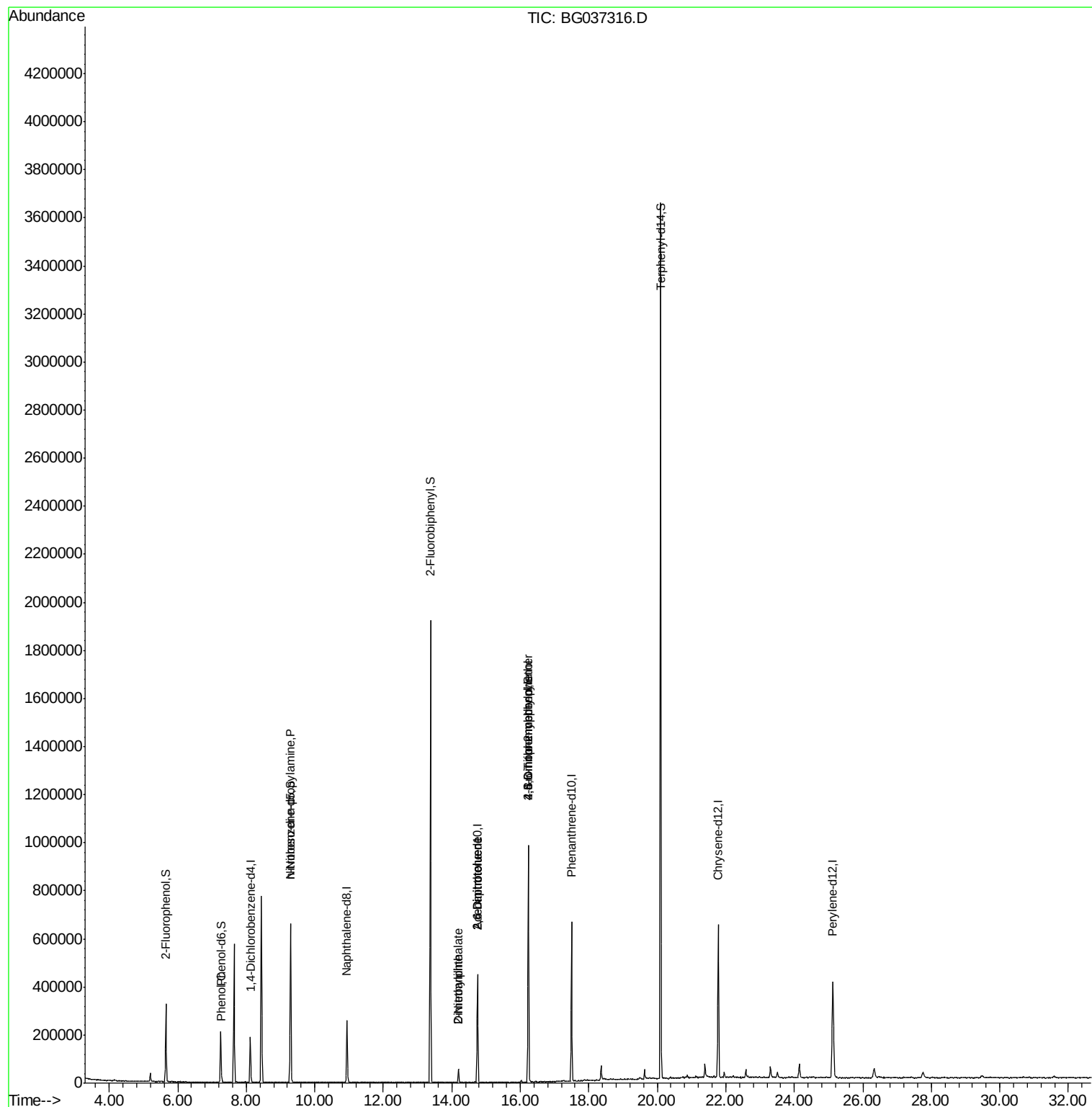
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	56287	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	231235	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	157901	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	409761	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	402897	20.00	ng	-0.01
87) Perylene-d12	25.13	264	409801	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	152195	47.59	ng	0.00
7) Phenol-d6	7.25	99	135031	27.82	ng	0.00
23) Nitrobenzene-d5	9.29	82	407471	115.85	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	178935	115.55	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1017782	96.80	ng	0.00
79) Terphenyl-d14	20.10	244	1695986	88.39	ng	0.00
Target Compounds						
10) Phenol	7.28	94	11402	2.230	ng	81
19) n-Nitroso-di-n-propylamine	9.29	70	51292	13.956	ng	# 73
48) 2-Nitroaniline	14.19	65	280	5.848	ng	# 1
50) Dimethylphthalate	14.20	163	39589	3.190	ng	98
51) 2,6-Dinitrotoluene	14.75	165	20080	12.306	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	20080	11.183	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.24	198	561	6.329	ng	77
67) 4-Bromophenyl-phenylether	16.24	248	12949	2.928	ng	# 1

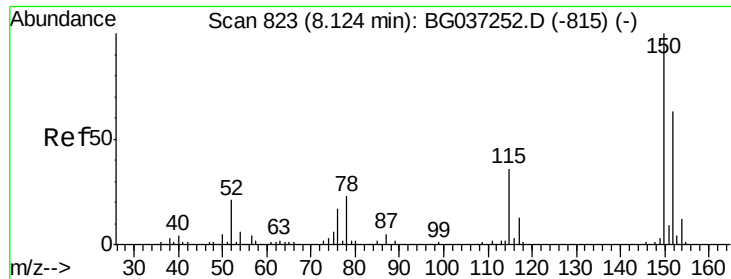
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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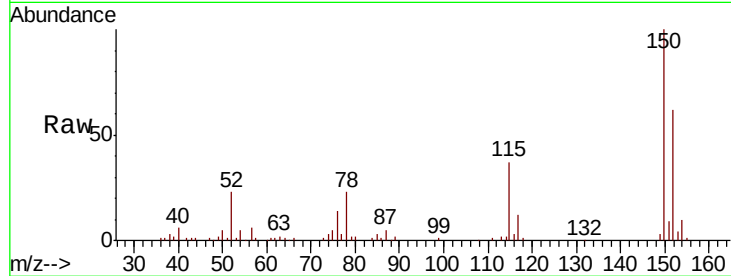


#1

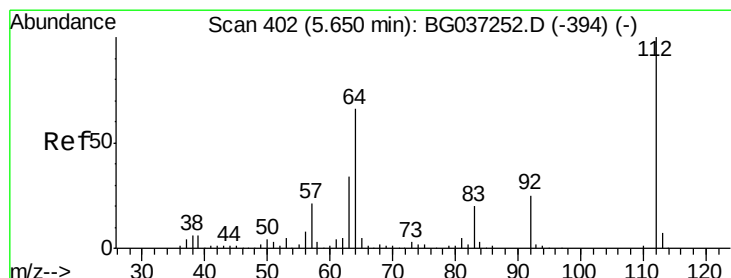
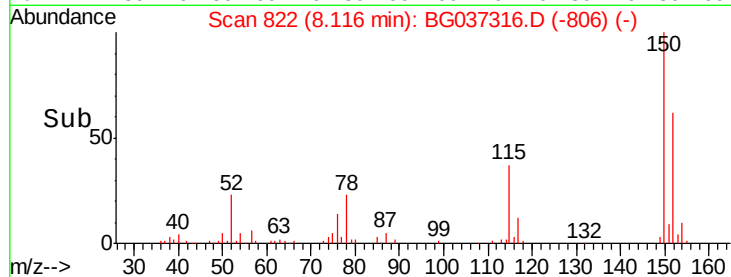
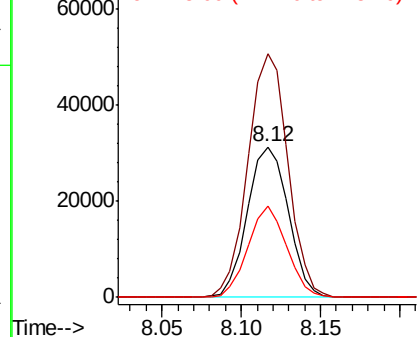
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.12 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BG037316.D
 Acq: 13 Oct 2018 8:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.0	189.0
115	60.5	45.5	68.3



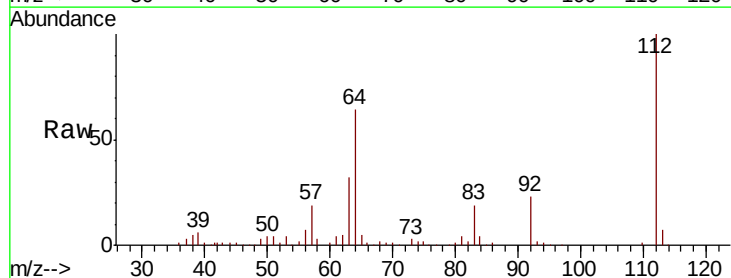
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



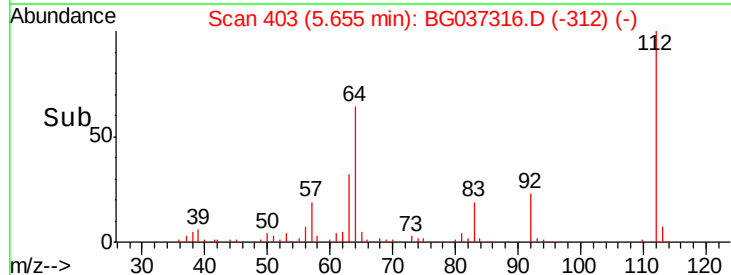
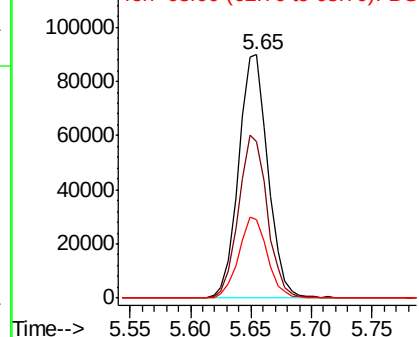
#5

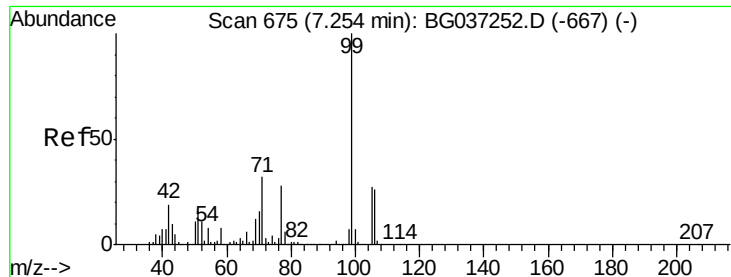
2-Fluorophenol
 Concen: 47.586 ng
 RT: 5.65 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: BG037316.D
 Acq: 13 Oct 2018 8:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	53.1	79.7
63	32.5	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: 27.816 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037316.D

Acq: 13 Oct 2018 8:03

Instrument :

BNA_G

ClientSampleId :

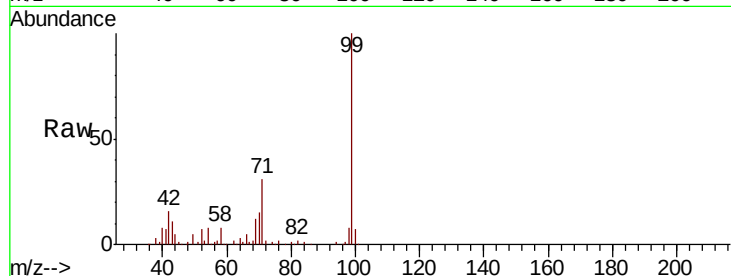
Tot Ion: 99 Resp: 135031

Ion Ratio Lower Upper

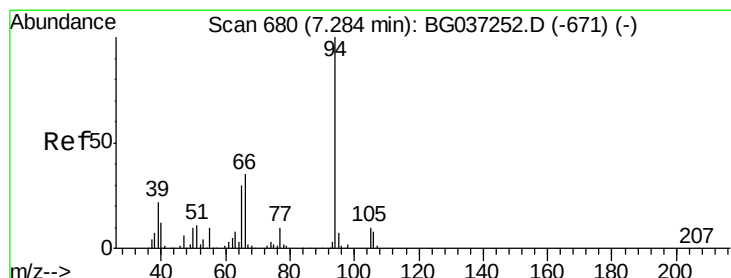
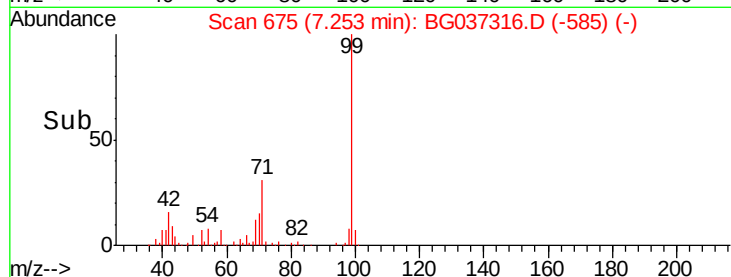
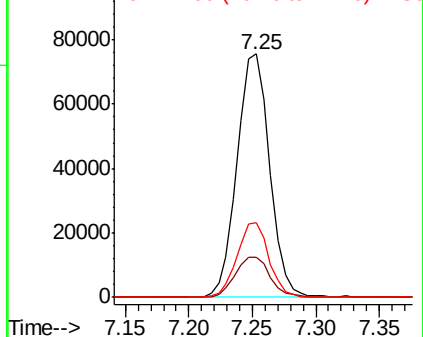
99 100

42 16.3 15.0 22.4

71 30.5 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: 2.230 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037316.D

Acq: 13 Oct 2018 8:03

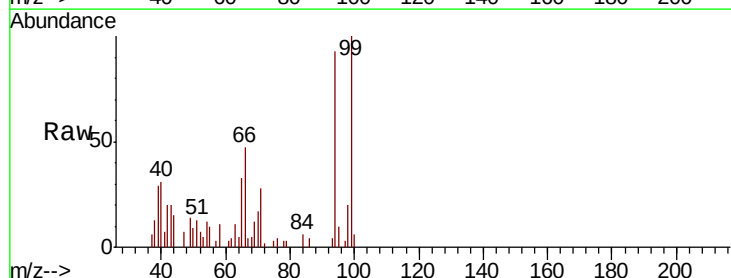
Tgt Ion: 94 Resp: 11402

Ion Ratio Lower Upper

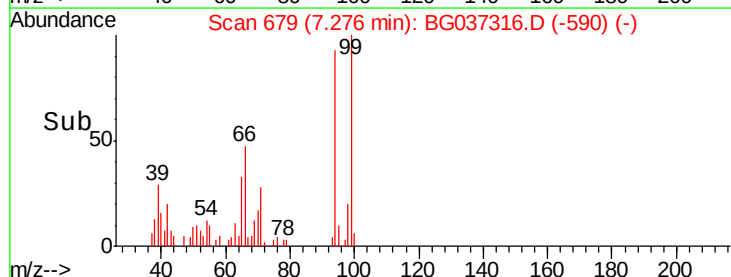
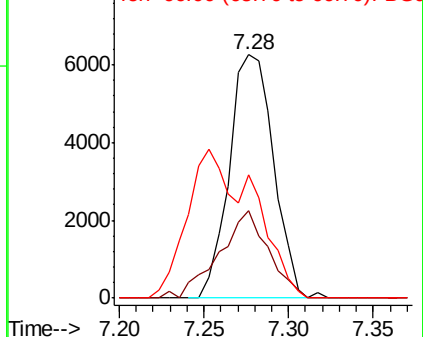
94 100

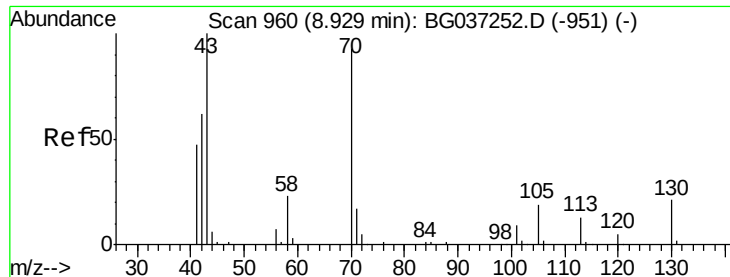
65 35.8 9.7 49.7

66 50.4 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

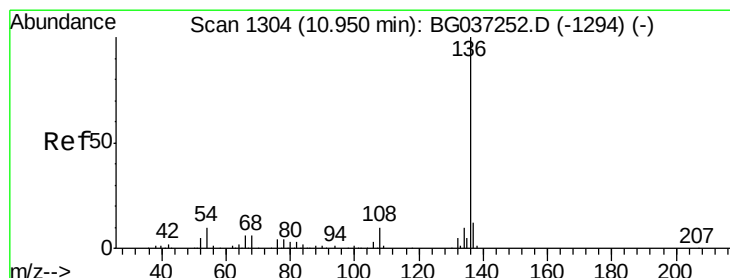
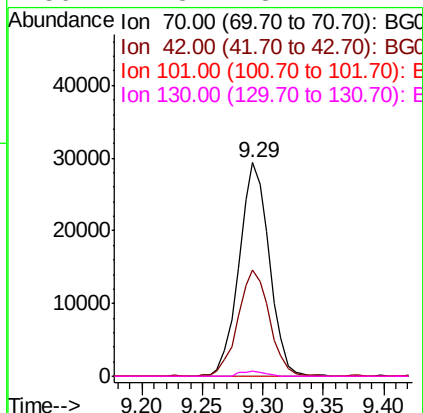
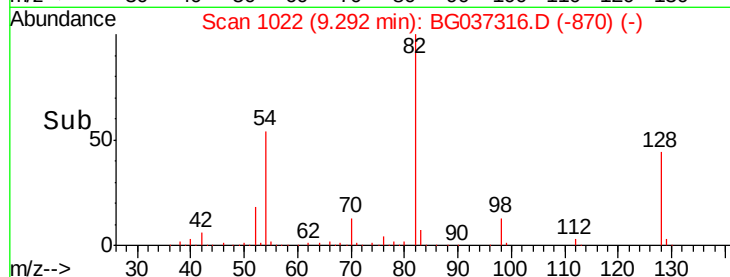
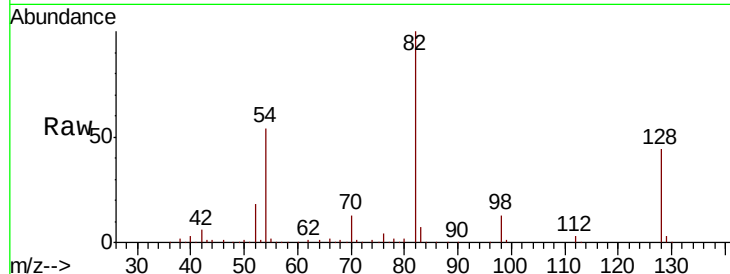




#19
n-Nitroso-di-n-propylamine
Concen: 13.956 ng
RT: 9.29 min Scan# 1022
Delta R.T. 0.36 min
Lab File: BG037316.D
Acq: 13 Oct 2018 8:03

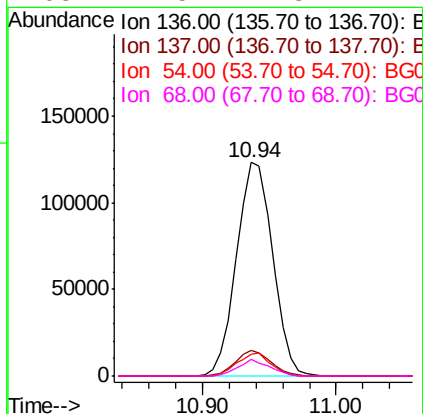
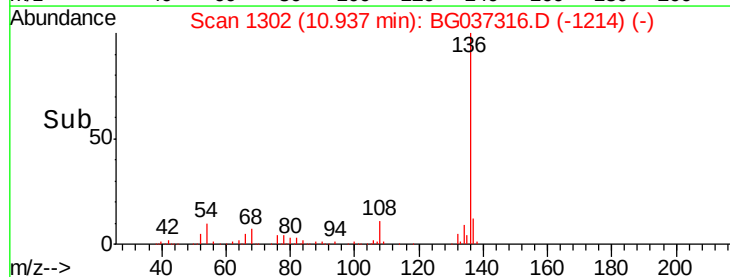
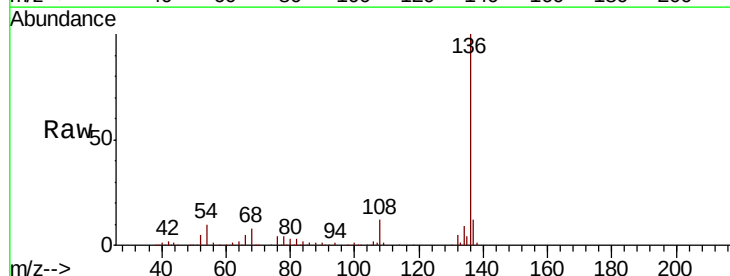
Instrument :
BNA_G
ClientSampled :

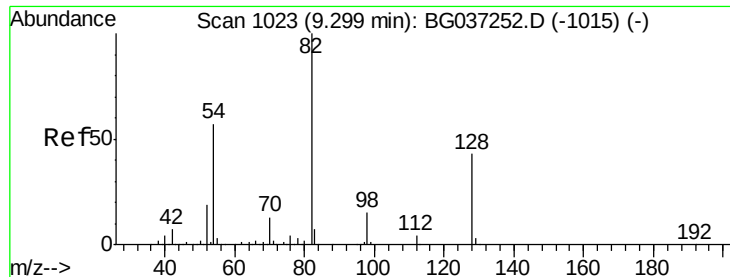
Tot Ion: 70 Resp: 51292
Ion Ratio Lower Upper
70 100
42 49.5 53.9 80.9#
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037316.D
Acq: 13 Oct 2018 8:03

Tgt Ion: 136 Resp: 231235
Ion Ratio Lower Upper
136 100
137 11.9 9.6 14.4
54 10.4 7.9 11.9
68 7.5 4.8 7.2#

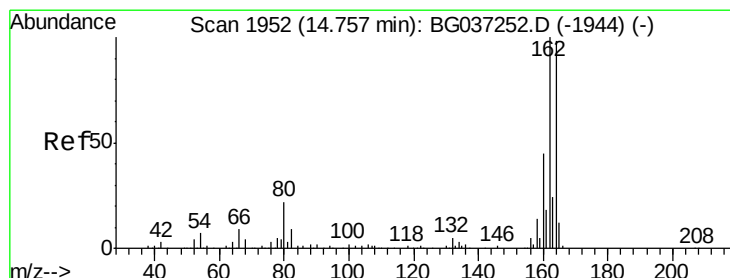
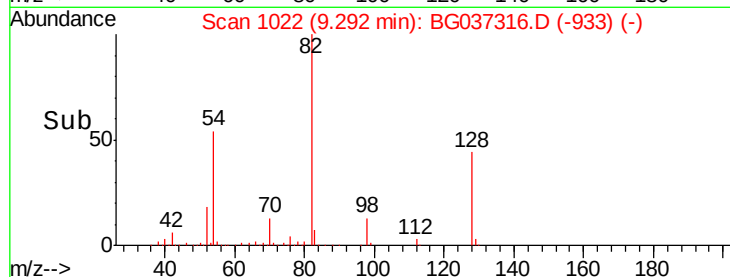
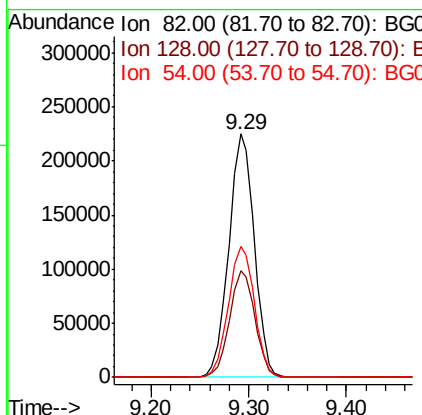
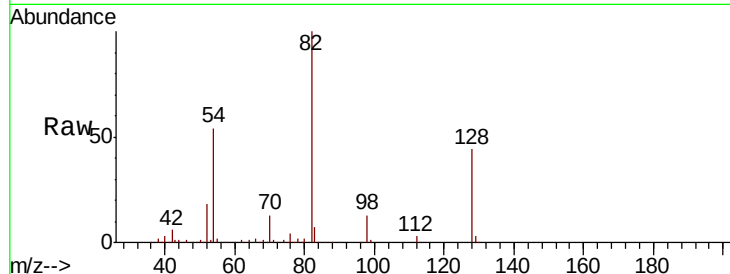




#23
 Nitrobenzene-d5
 Concen: 115.852 ng
 RT: 9.29 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BG037316.D
 Acq: 13 Oct 2018 8:03

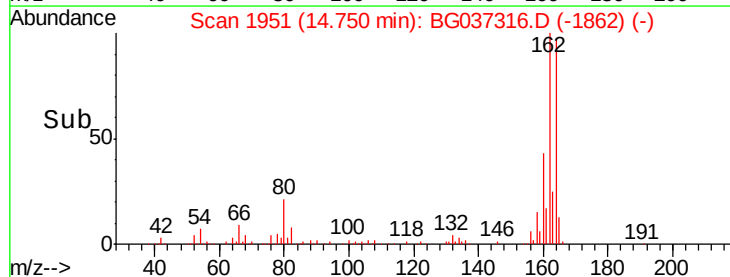
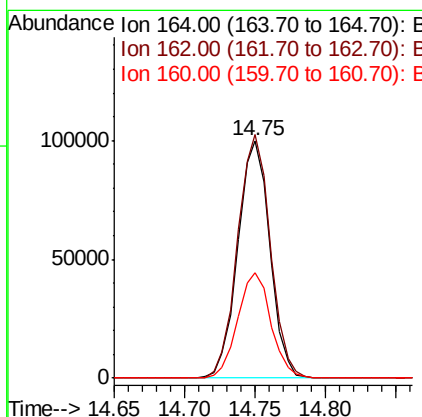
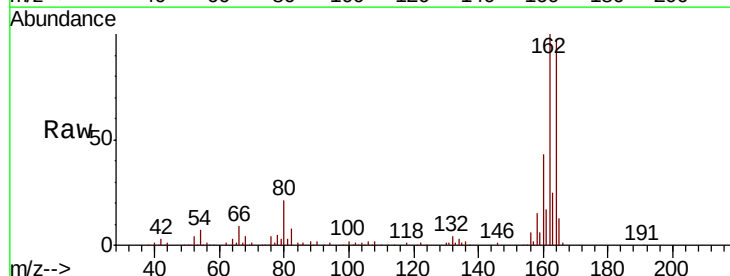
Instrument :
 BNA_G
 ClientSampleId :

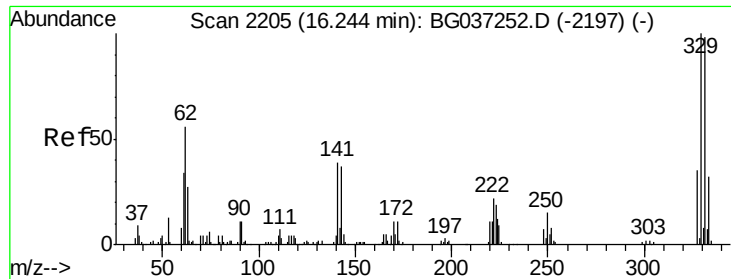
Tot Ion	82	Resp	407471
Ion Ratio	100	Lower	Upper
128	43.8	34.6	51.8
54	53.8	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: BG037316.D
 Acq: 13 Oct 2018 8:03

Tgt Ion	164	Resp	157901
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	102.6	81.3	121.9
160	44.3	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 115.549 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG037316.D

Acq: 13 Oct 2018 8:03

Instrument :

BNA_G

ClientSampled :

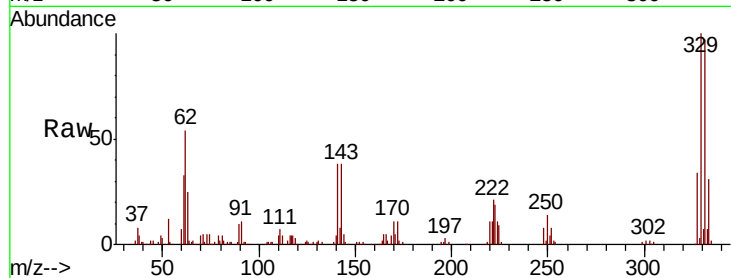
Tot Ion:330 Resp: 178935

Ion Ratio Lower Upper

330 100

332 95.4 78.4 117.6

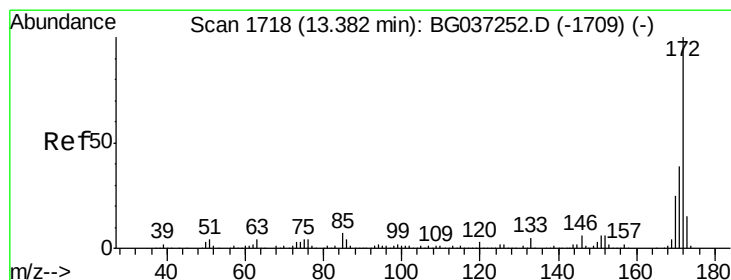
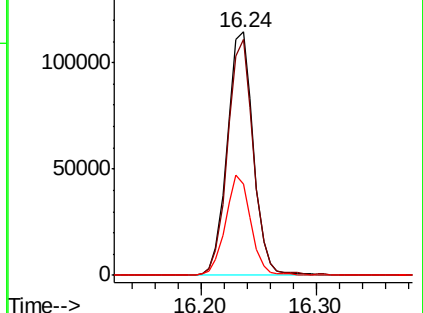
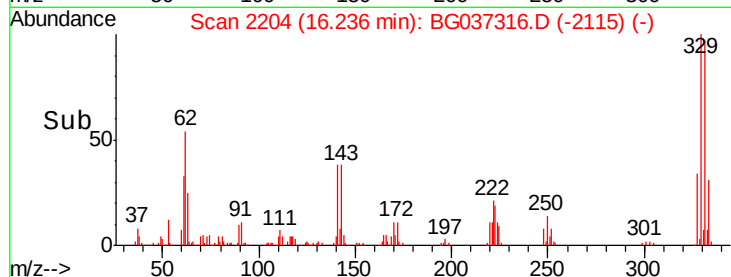
141 39.7 32.2 48.2



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: 96.799 ng

RT: 13.38 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BG037316.D

Acq: 13 Oct 2018 8:03

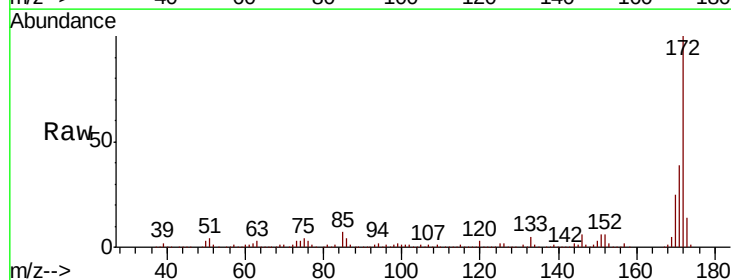
Tgt Ion:172 Resp: 1017782

Ion Ratio Lower Upper

172 100

171 38.5 31.0 46.4

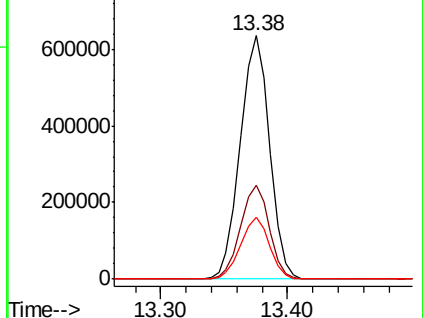
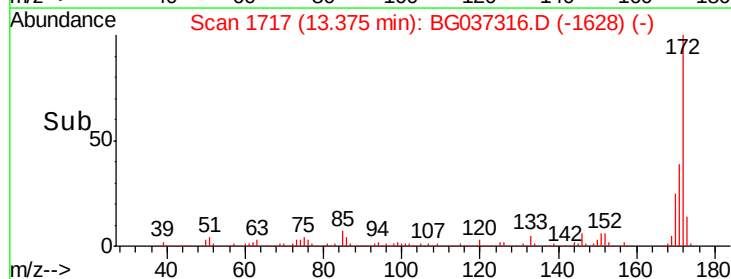
170 25.5 20.2 30.2

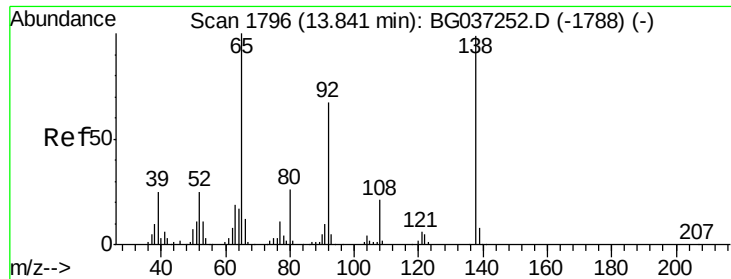


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 5.848 ng

RT: 14.19 min Scan# 1856

Delta R.T. 0.35 min

Lab File: BG037316.D

Acq: 13 Oct 2018 8:03

Instrument :

BNA_G

ClientSampleId :

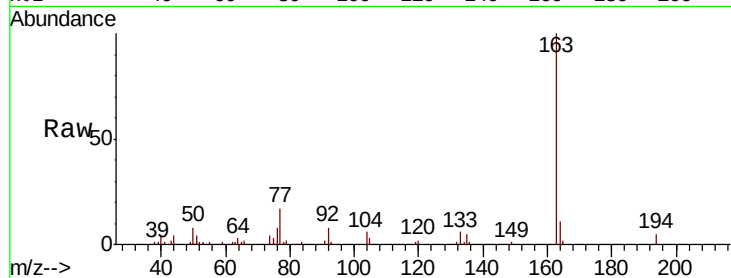
Tot Ion: 65 Resp: 280

Ion Ratio Lower Upper

65 100

92 946.5 53.2 79.8#

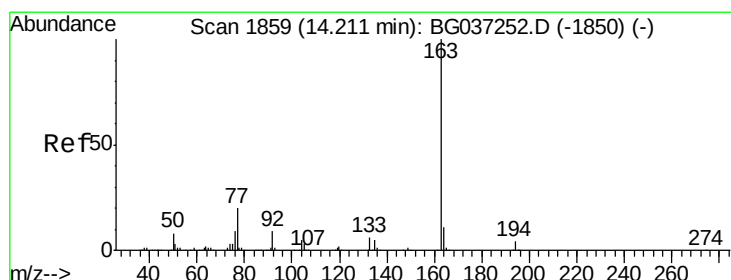
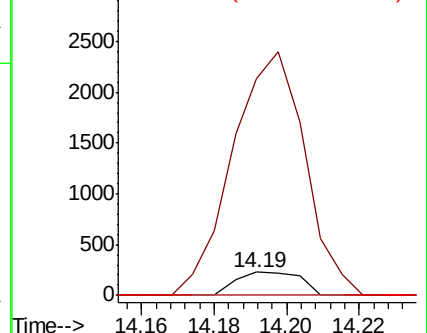
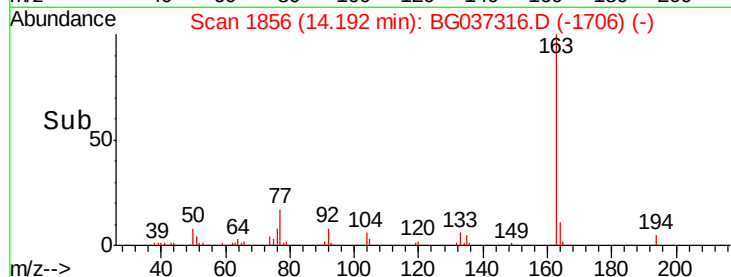
138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BG037316.D (-1706) (-)

Ion 92.00 (91.70 to 92.70): BG037316.D (-1706) (-)

Ion 138.00 (137.70 to 138.70): BG037316.D (-1706) (-)



#50

Dimethylphthalate

Concen: 3.190 ng

RT: 14.20 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG037316.D

Acq: 13 Oct 2018 8:03

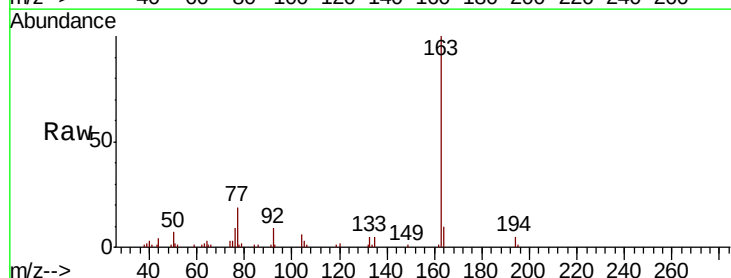
Tgt Ion:163 Resp: 39589

Ion Ratio Lower Upper

163 100

194 5.2 3.5 5.3

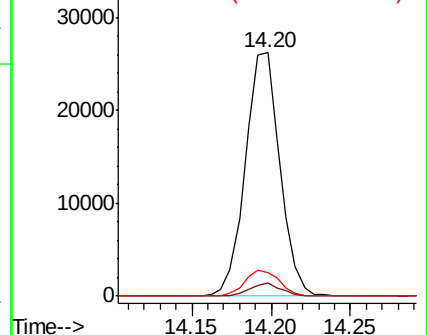
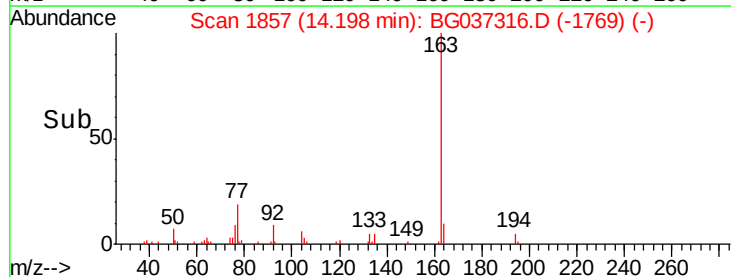
164 9.8 8.5 12.7

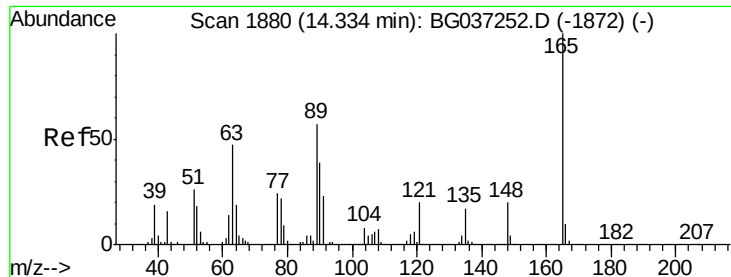


Abundance Ion 163.00 (162.70 to 163.70): BG037316.D (-1769) (-)

Ion 194.00 (193.70 to 194.70): BG037316.D (-1769) (-)

Ion 164.00 (163.70 to 164.70): BG037316.D (-1769) (-)

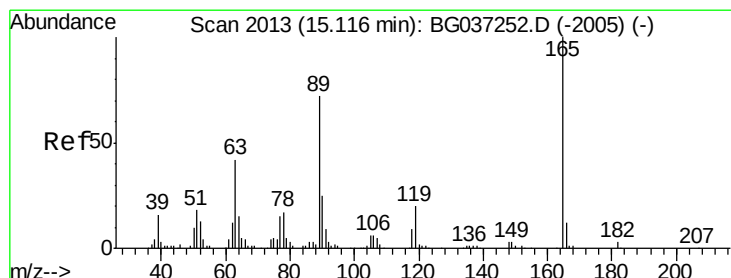
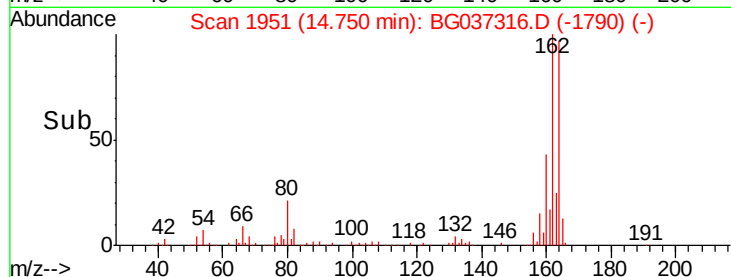
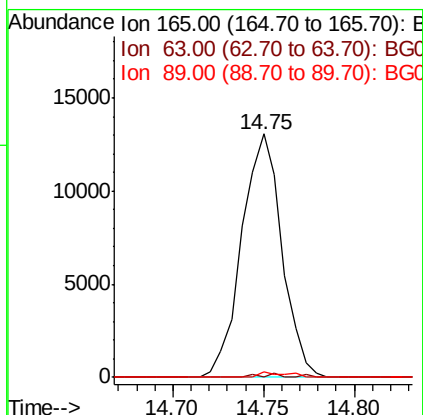
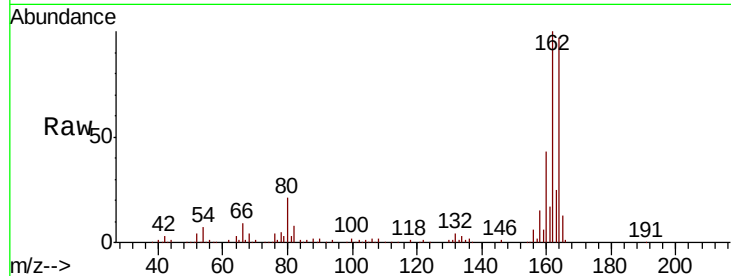




#51
2,6-Dinitrotoluene
Concen: 12.306 ng
RT: 14.75 min Scan# 1951
Delta R.T. 0.42 min
Lab File: BG037316.D
Acq: 13 Oct 2018 8:03

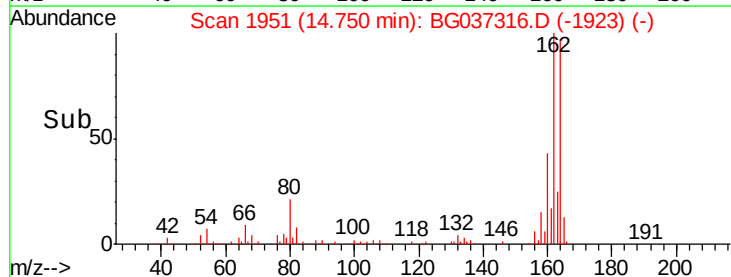
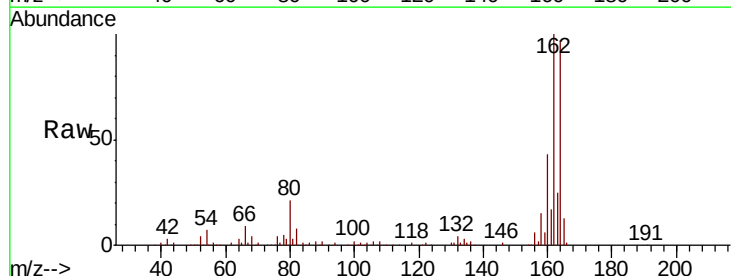
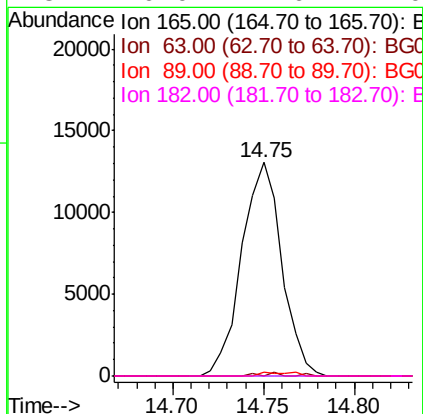
Instrument :
BNA_G
ClientSampleId :

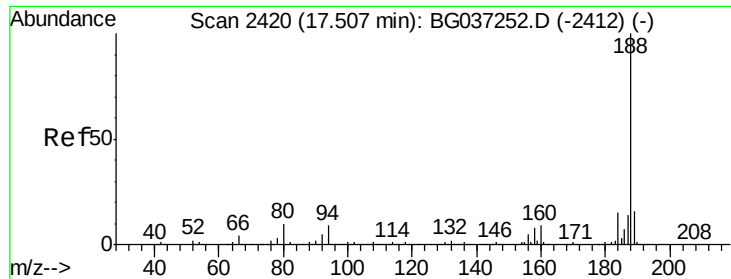
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.1	45.8	68.6#



#57
2,4-Dinitrotoluene
Concen: 11.183 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.37 min
Lab File: BG037316.D
Acq: 13 Oct 2018 8:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.1	57.2	85.8#
182	0.0	2.6	4.0#

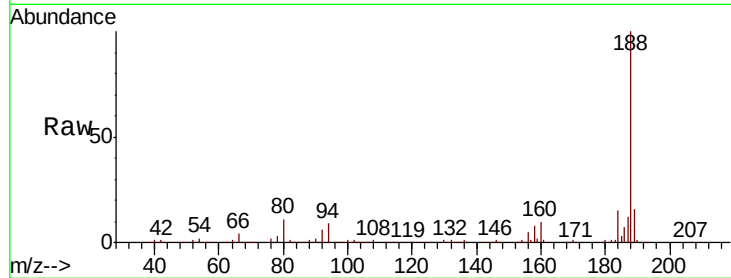




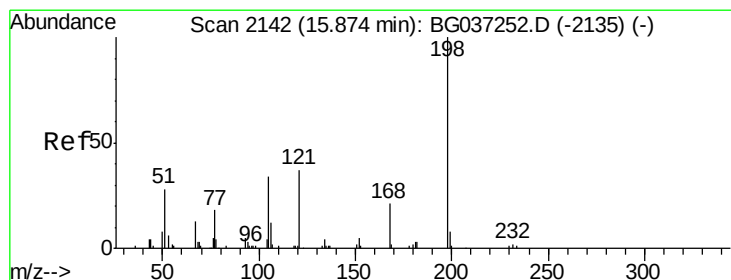
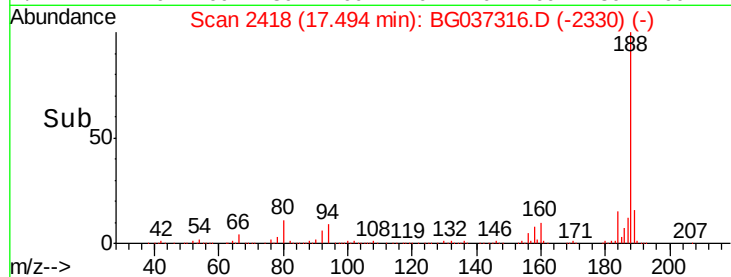
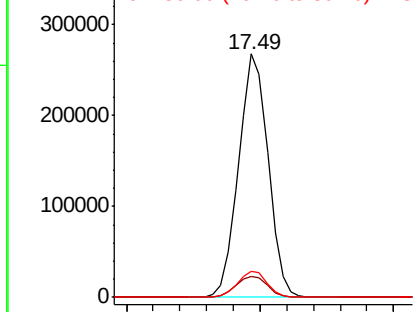
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG037316.D
Acq: 13 Oct 2018 8:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 409761
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 10.8 7.7 11.5

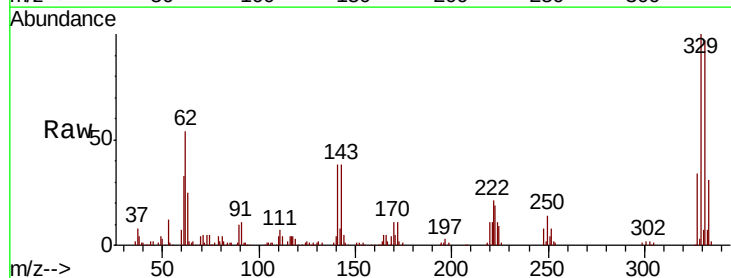


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

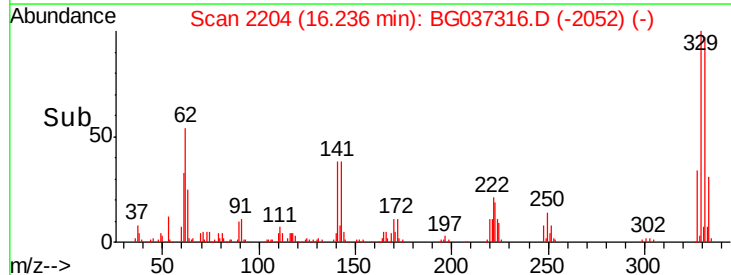
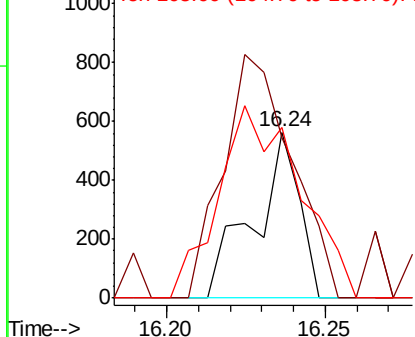


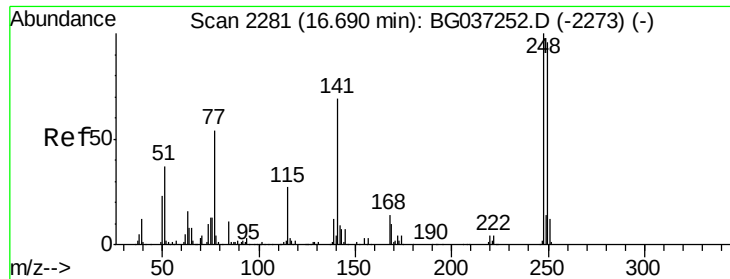
#65
4,6-Dinitro-2-methylphenol
Concen: 6.329 ng
RT: 16.24 min Scan# 2204
Delta R.T. 0.36 min
Lab File: BG037316.D
Acq: 13 Oct 2018 8:03

Tgt Ion:198 Resp: 561
Ion Ratio Lower Upper
198 100
51 25.9 22.7 62.7
105 27.5 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

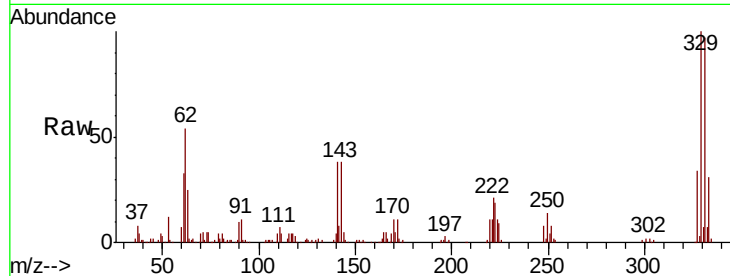




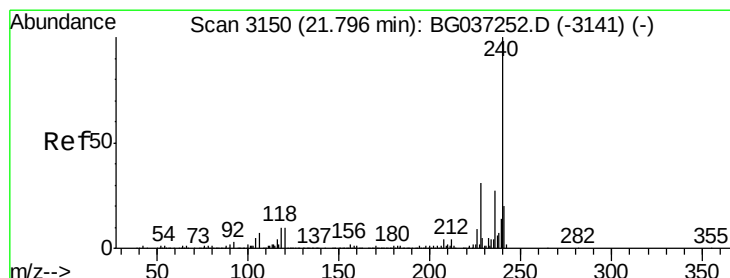
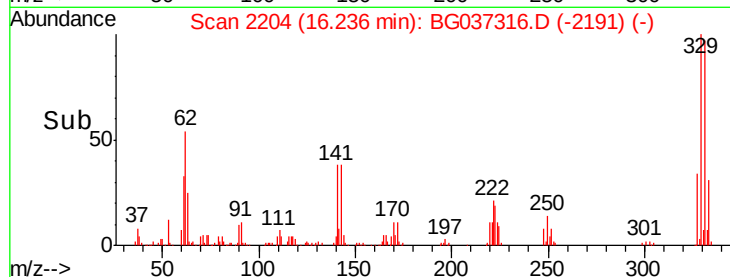
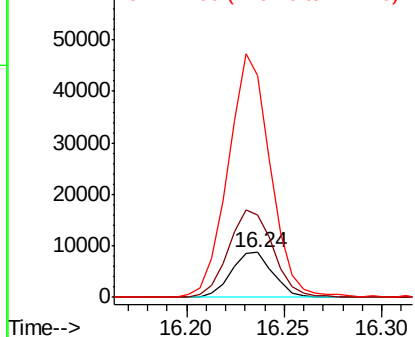
#67
 4-Bromophenyl-phenylether
 Concen: 2.928 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037316.D
 Acq: 13 Oct 2018 8:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12949
 Ion Ratio Lower Upper
 248 100
 250 187.7 77.0 115.6#
 141 390.0 55.5 83.3#

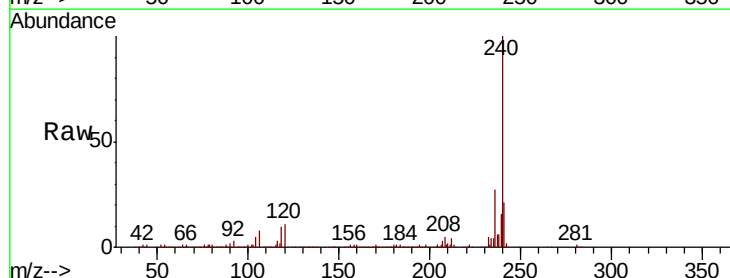


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

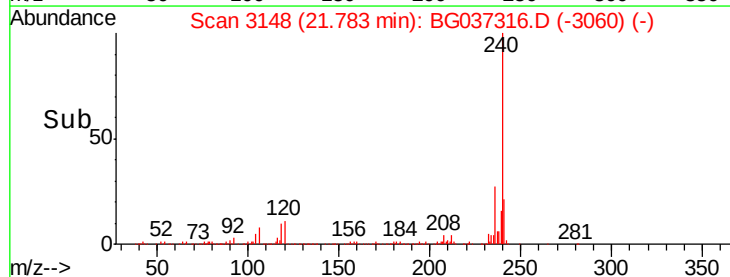
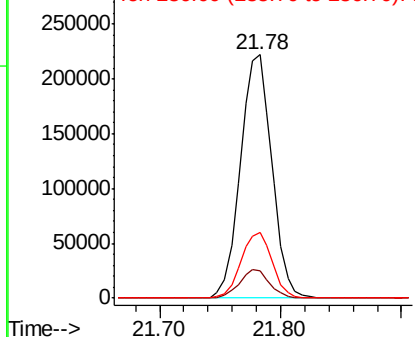


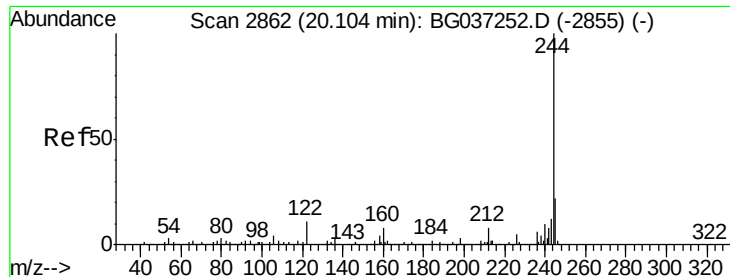
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG037316.D
 Acq: 13 Oct 2018 8:03

Tgt Ion:240 Resp: 402897
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.1 12.1
 236 26.7 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: 88.388 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG037316.D

Acq: 13 Oct 2018 8:03

Instrument :

BNA_G

ClientSampleId :

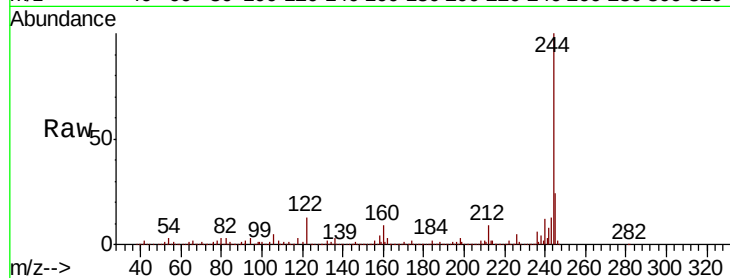
Tot Ion:244 Resp: 1695986

Ion Ratio Lower Upper

244 100

212 9.1 6.5 9.7

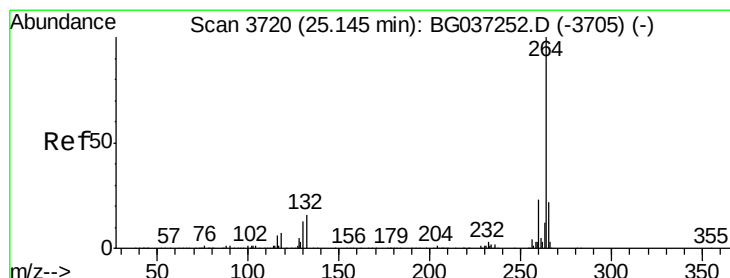
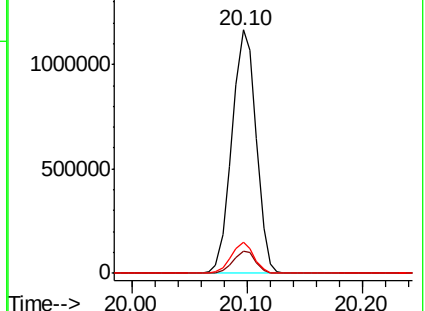
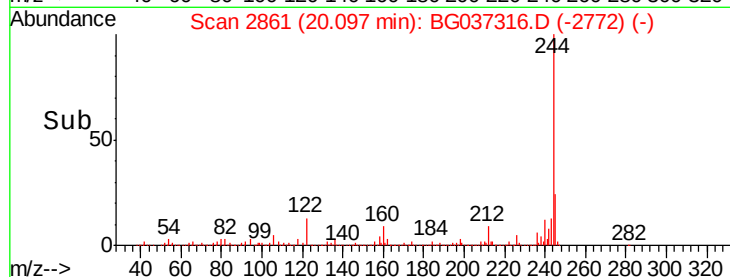
122 12.6 9.0 13.4



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: BG037316.D

Acq: 13 Oct 2018 8:03

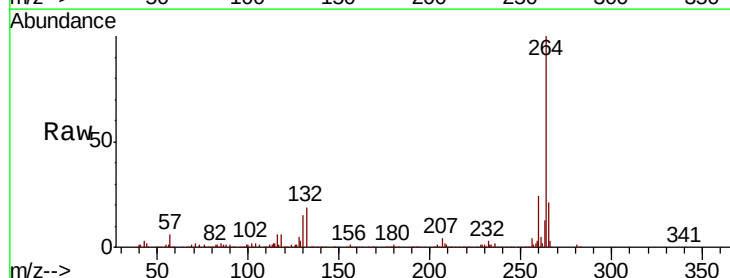
Tgt Ion:264 Resp: 409801

Ion Ratio Lower Upper

264 100

260 23.9 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

