

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101218\
 Data File : BG037300.D
 Acq On : 12 Oct 2018 20:56
 Operator : JU/SJ
 Sample : J5199-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-101118

Quant Time: Oct 13 00:17:09 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	53607	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	225309	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	153926	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	411781	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	407496	20.00	ng	-0.01
87) Perylene-d12	25.13	264	407466	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	371307	121.90	ng	0.00
7) Phenol-d6	7.25	99	475661	102.88	ng	0.00
23) Nitrobenzene-d5	9.29	82	323759	94.47	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	209937	139.07	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	767102	74.84	ng	0.00
79) Terphenyl-d14	20.10	244	1482216	76.38	ng	0.00

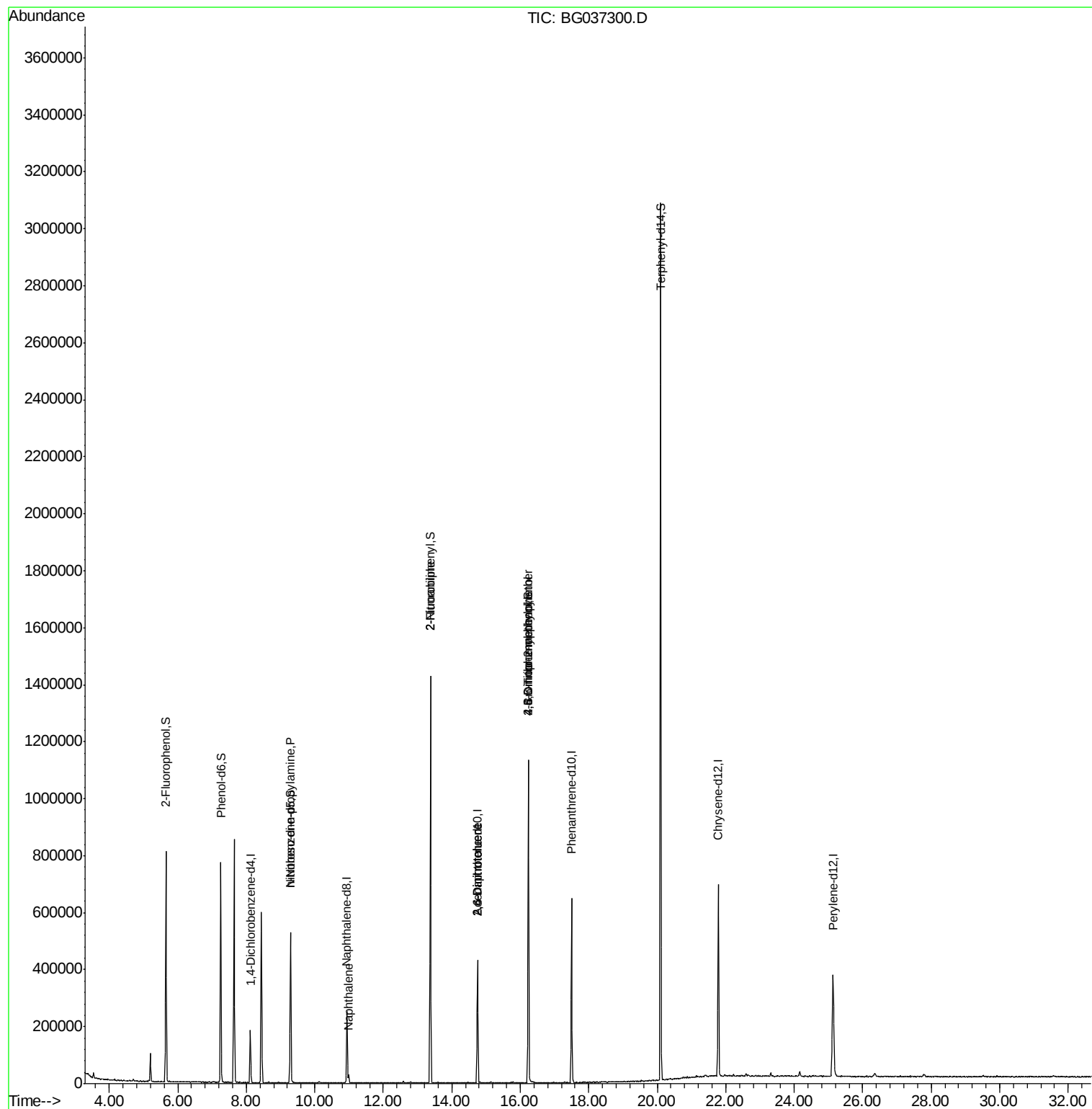
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.29	70	40803	11.657	ng	# 74
31) Naphthalene	10.99	128	25471	2.326	ng	95
48) 2-Nitroaniline	13.38	65	1251	6.180	ng	# 8
51) 2,6-Dinitrotoluene	14.75	165	19154	12.145	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	19154	11.057	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	668	6.400	ng	78
67) 4-Bromophenyl-phenylether	16.24	248	15825	3.561	ng	# 1

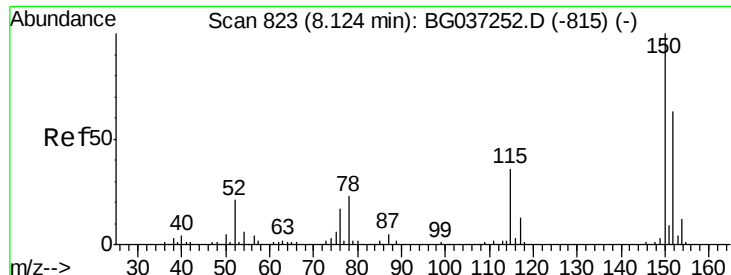
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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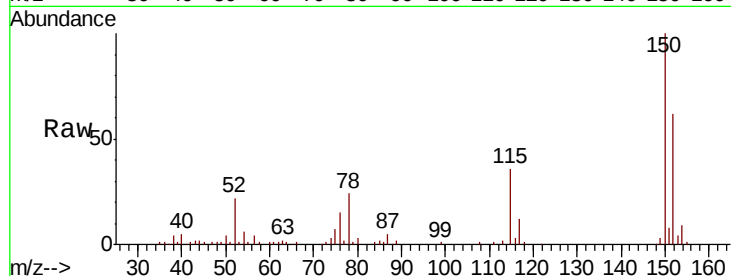


#1

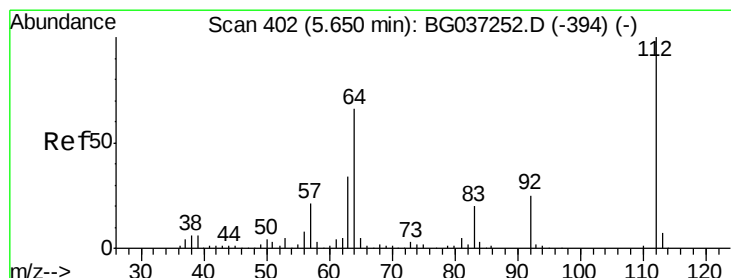
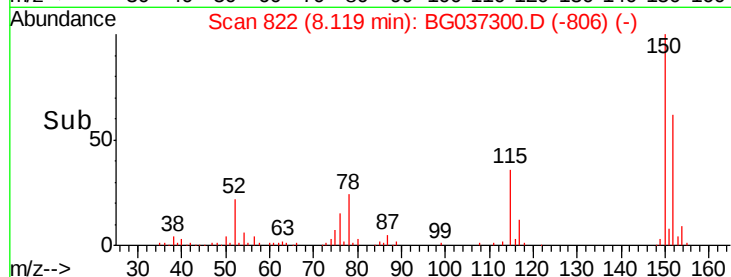
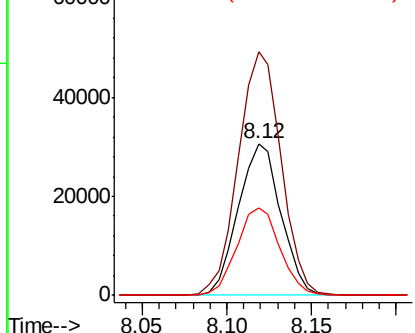
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Instrument :
BNA_G
ClientSampleId :
OK-02-101118

Tgt Ion:152 Resp: 53607
Ion Ratio Lower Upper
152 100
150 160.2 126.0 189.0
115 57.7 45.5 68.3



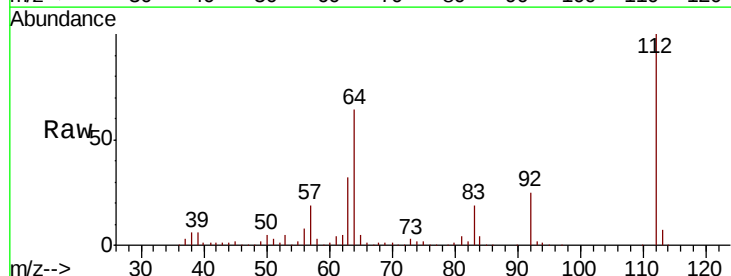
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



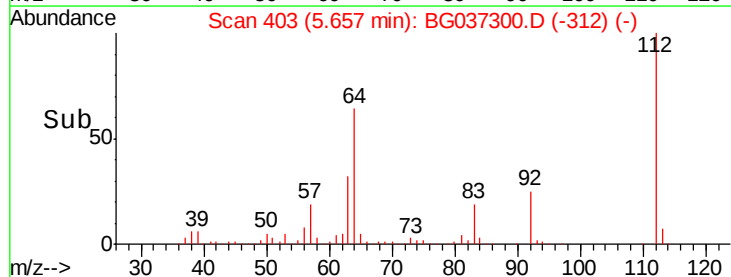
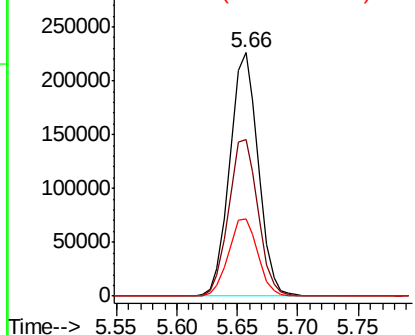
#5

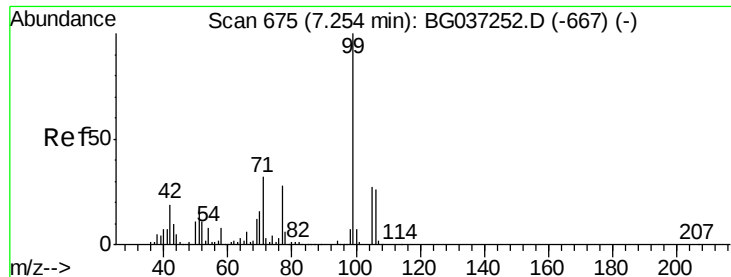
2-Fluorophenol
Concen: 121.899 ng
RT: 5.66 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Tgt Ion:112 Resp: 371307
Ion Ratio Lower Upper
112 100
64 64.2 53.1 79.7
63 31.8 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: 102.882 ng

RT: 7.25 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

Instrument :

BNA_G

ClientSampleId :

OK-02-101118

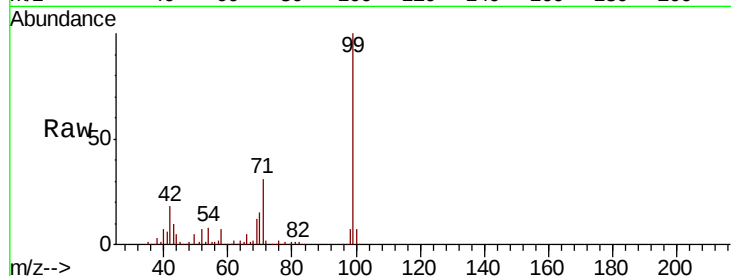
Tgt Ion: 99 Resp: 475661

Ion Ratio Lower Upper

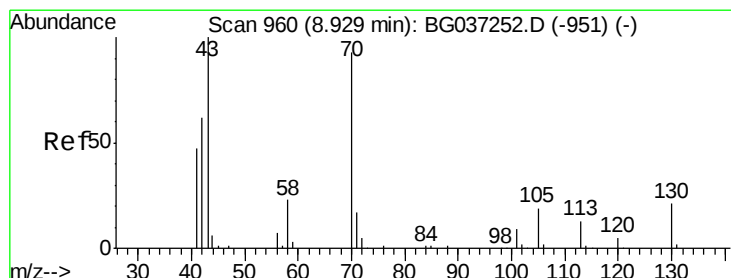
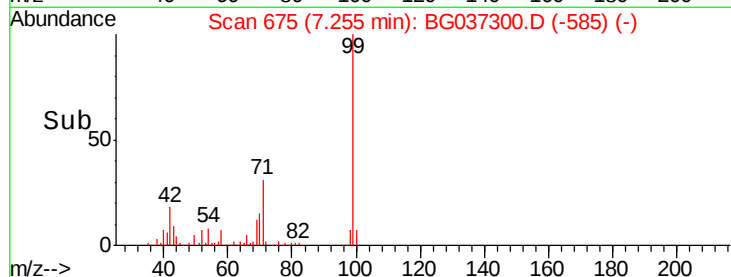
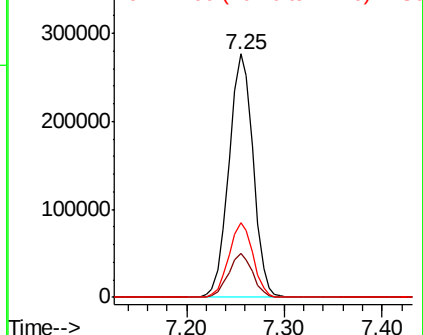
99 100

42 18.1 15.0 22.4

71 30.8 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: 11.657 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.36 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

Tgt Ion: 70 Resp: 40803

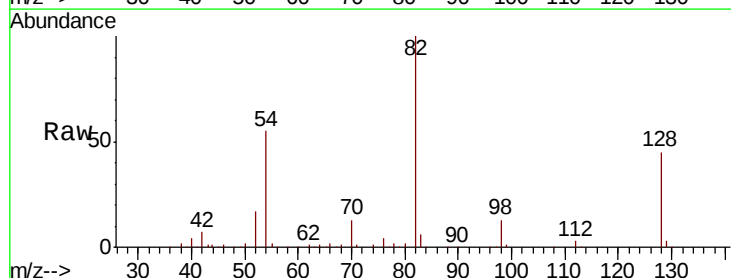
Ion Ratio Lower Upper

70 100

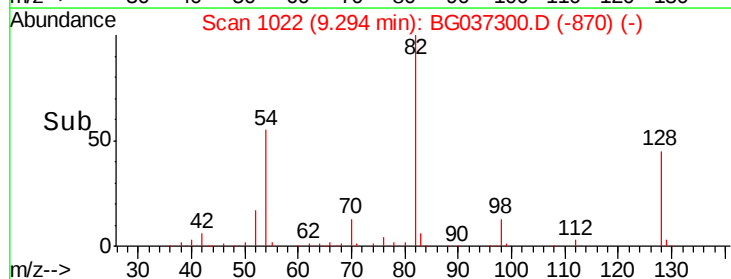
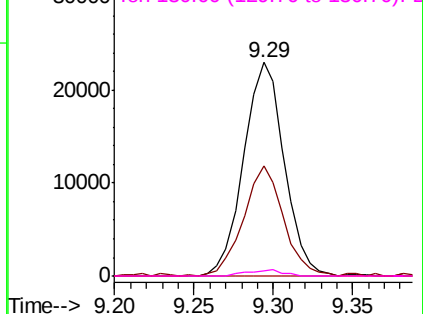
42 51.3 53.9 80.9#

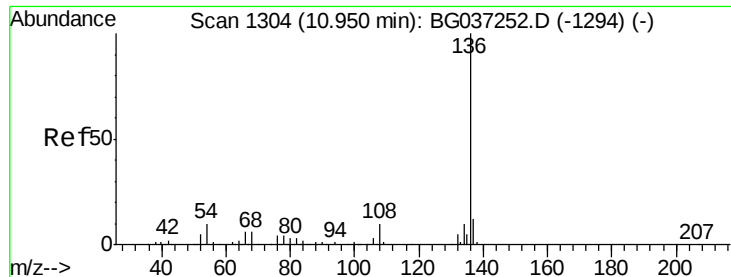
101 0.0 8.2 12.2#

130 2.2 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

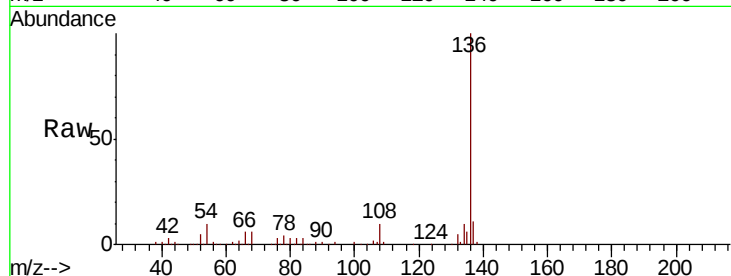




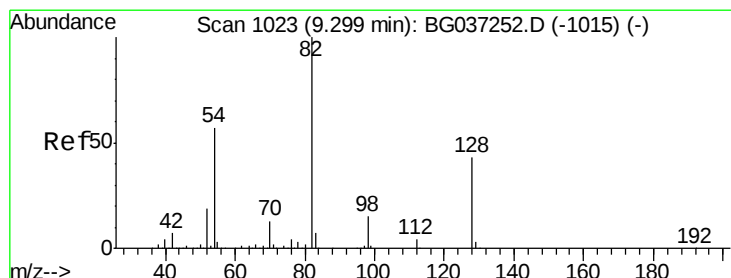
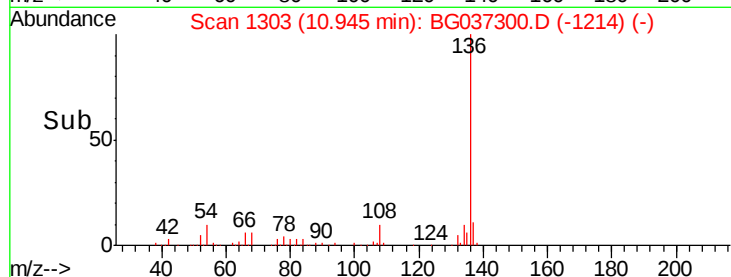
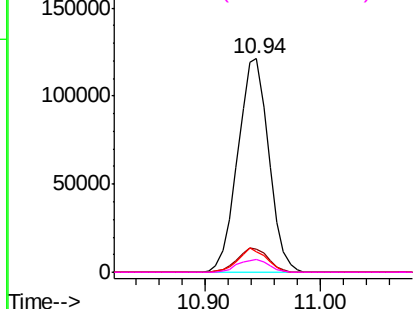
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Instrument :
BNA_G
ClientSampleId :
OK-02-101118

Tgt Ion:	136	Resp:	225309
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.6	14.4
54	9.6	7.9	11.9
68	6.1	4.8	7.2

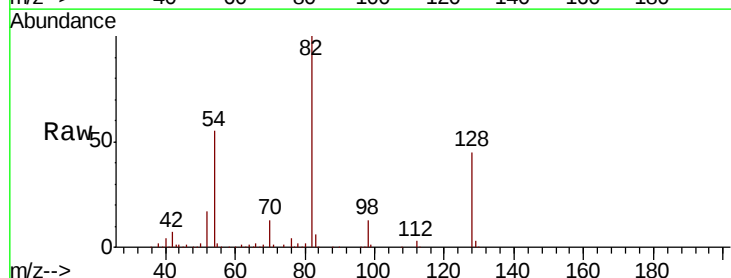


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

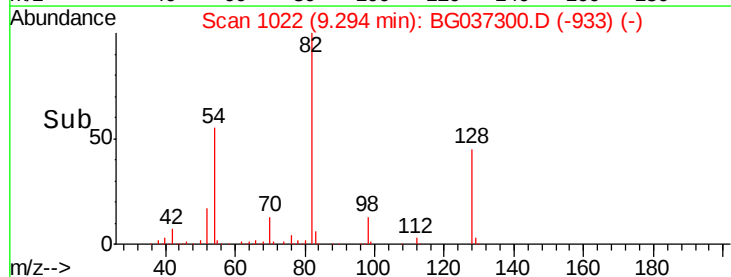
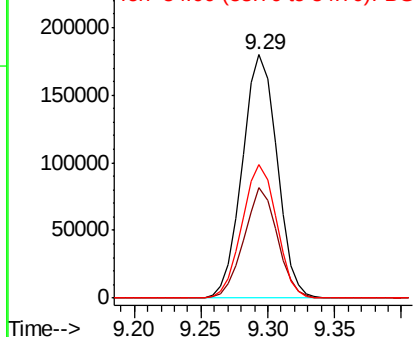


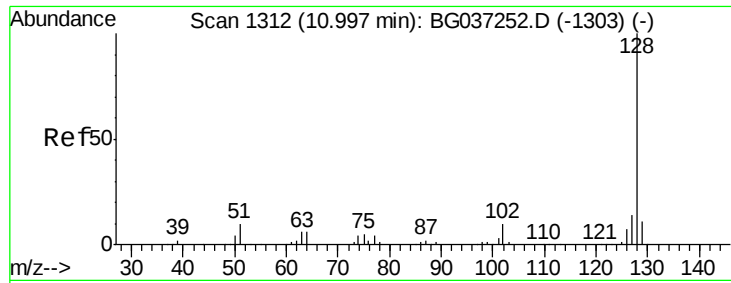
#23
Nitrobenzene-d5
Concen: 94.472 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Tgt Ion:	82	Resp:	323759
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	51.8
54	54.8	45.3	67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

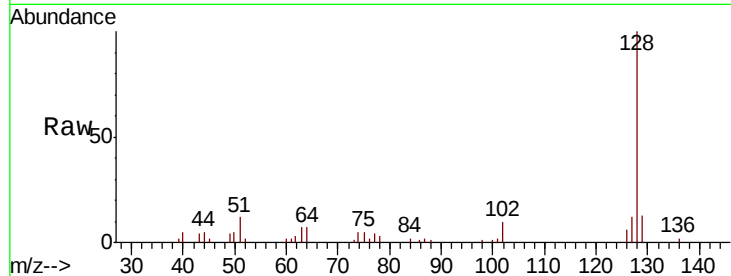




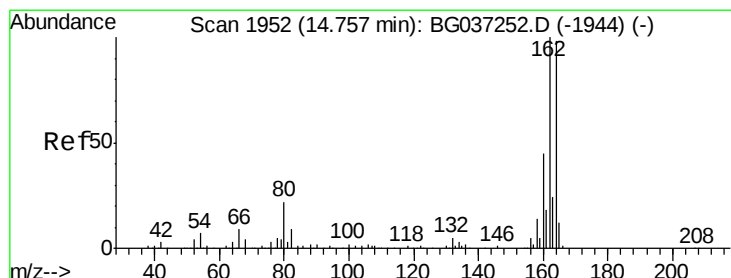
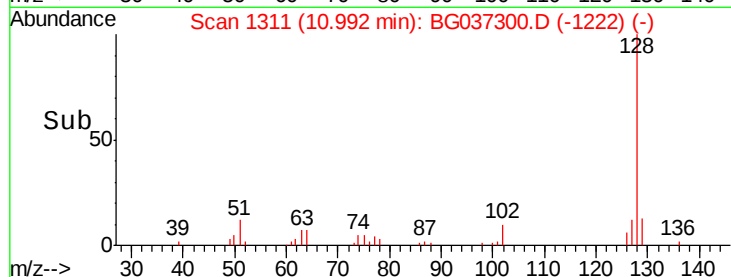
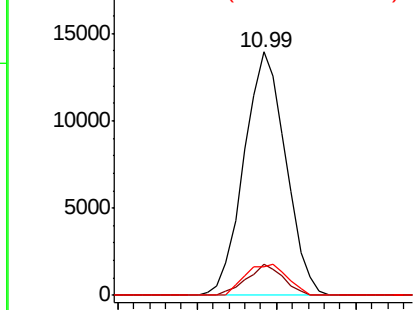
#31
Naphthalene
Concen: 2.326 ng
RT: 10.99 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Instrument :
BNA_G
ClientSampleId :
OK-02-101118

Tgt Ion:128 Resp: 25471
Ion Ratio Lower Upper
128 100
129 12.9 9.0 13.6
127 11.6 11.1 16.7

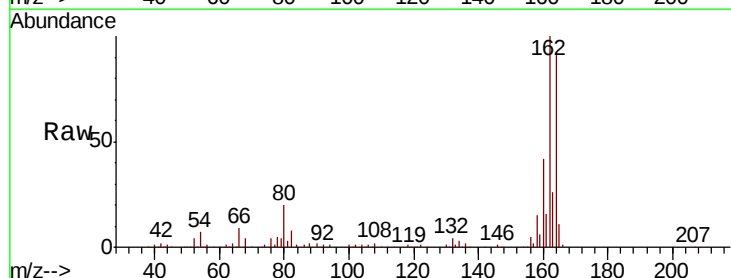


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

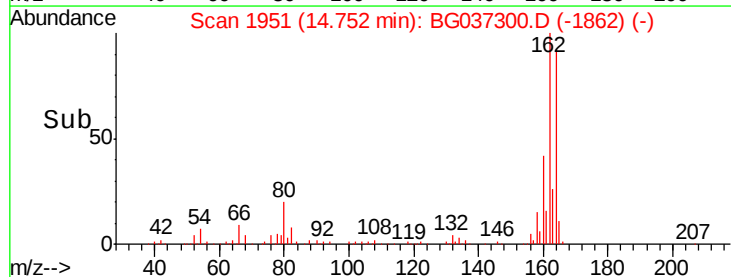
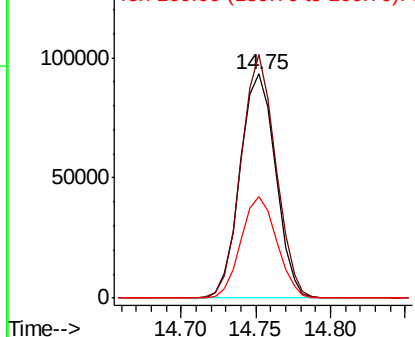


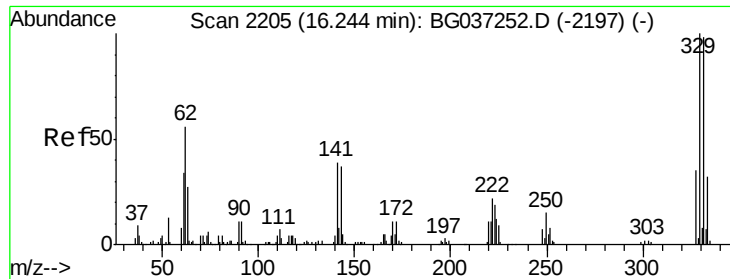
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Tgt Ion:164 Resp: 153926
Ion Ratio Lower Upper
164 100
162 108.7 81.3 121.9
160 45.3 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: 139.069 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

Instrument :

BNA_G

ClientSampleId :

OK-02-101118

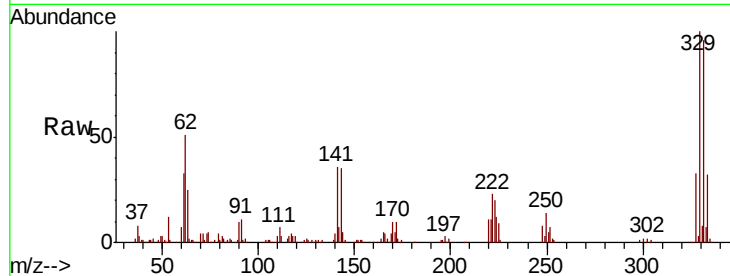
Tgt Ion:330 Resp: 209937

Ion Ratio Lower Upper

330 100

332 97.0 78.4 117.6

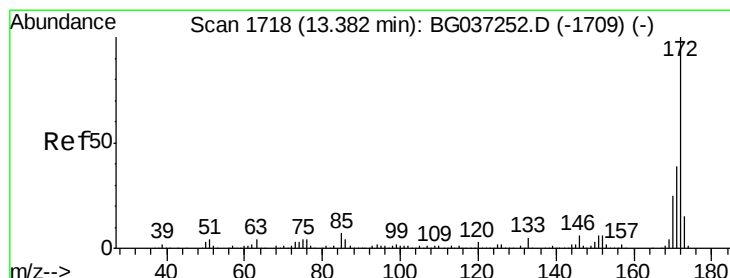
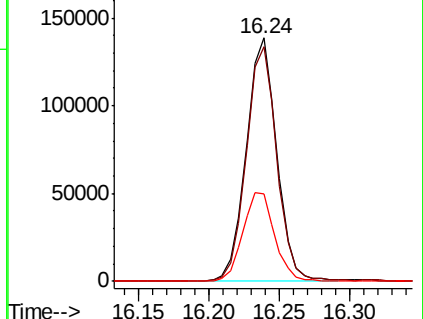
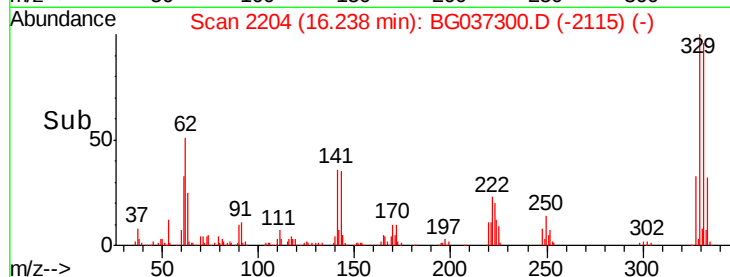
141 38.2 32.2 48.2



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: 74.842 ng

RT: 13.38 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

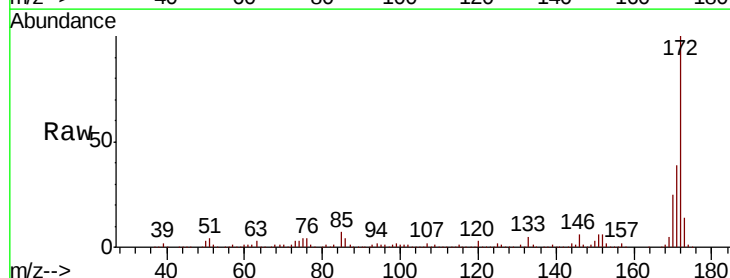
Tgt Ion:172 Resp: 767102

Ion Ratio Lower Upper

172 100

171 38.8 31.0 46.4

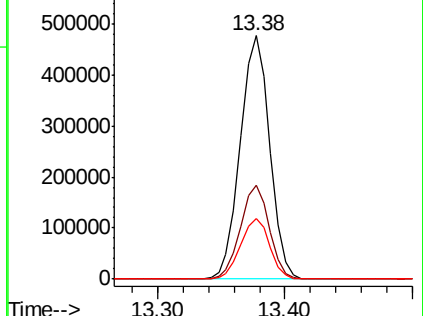
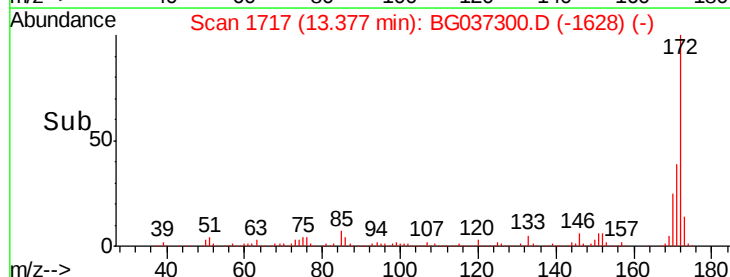
170 25.0 20.2 30.2

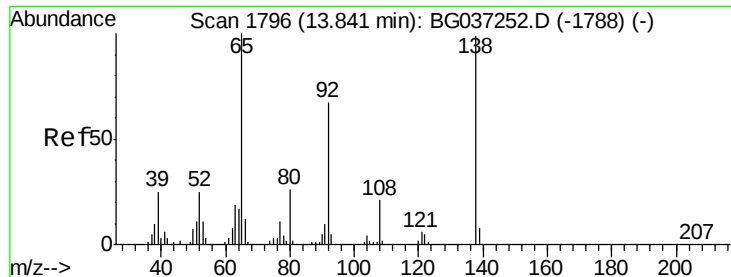


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 6.180 ng

RT: 13.38 min Scan# 1717

Delta R.T. -0.46 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

Instrument :

BNA_G

ClientSampleId :

OK-02-101118

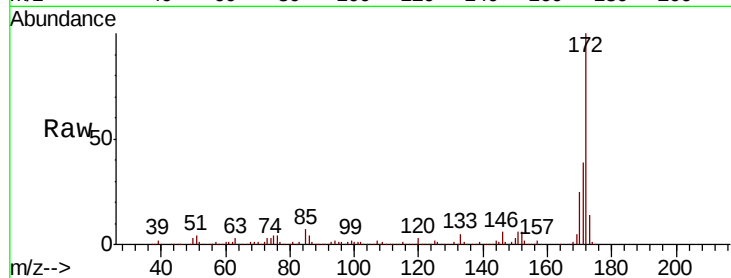
Tgt Ion: 65 Resp: 1251

Ion Ratio Lower Upper

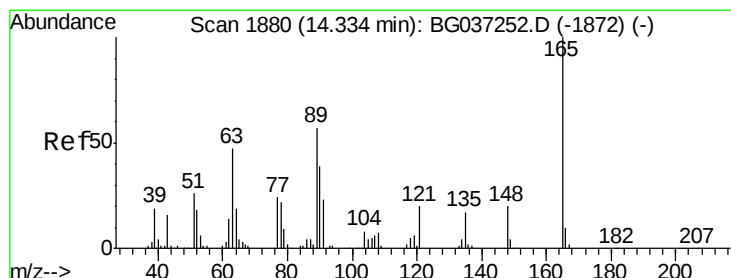
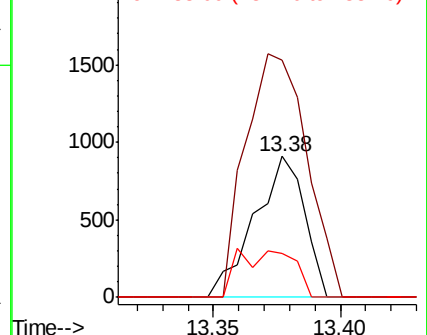
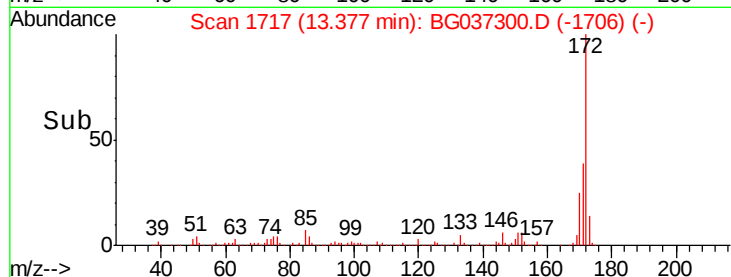
65 100

92 168.4 53.2 79.8#

138 31.2 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



#51

2,6-Dinitrotoluene

Concen: 12.145 ng

RT: 14.75 min Scan# 1951

Delta R.T. 0.42 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

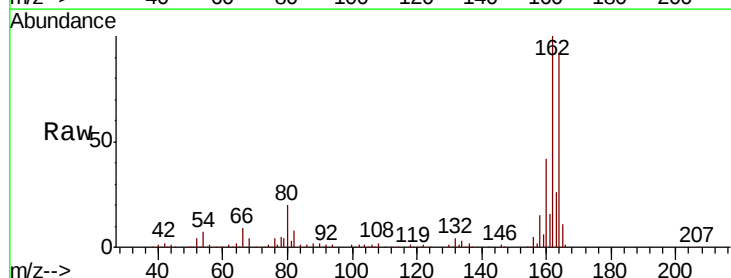
Tgt Ion: 165 Resp: 19154

Ion Ratio Lower Upper

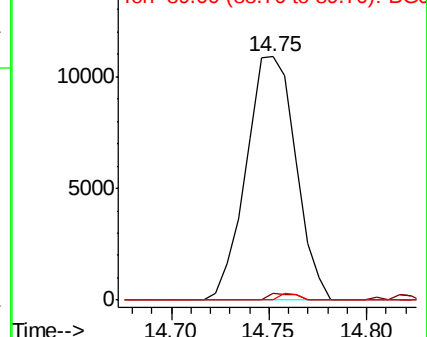
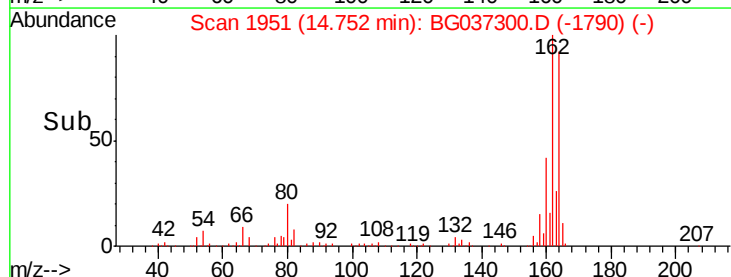
165 100

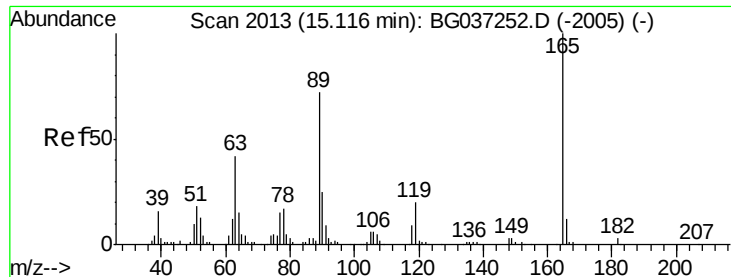
63 2.8 43.4 65.2#

89 0.0 45.8 68.6#



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

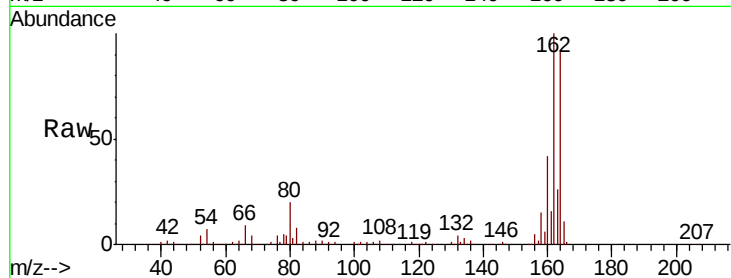




#57
2,4-Dinitrotoluene
Concen: 11.057 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.36 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Instrument :
BNA_G
ClientSampleId :
OK-02-101118

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#

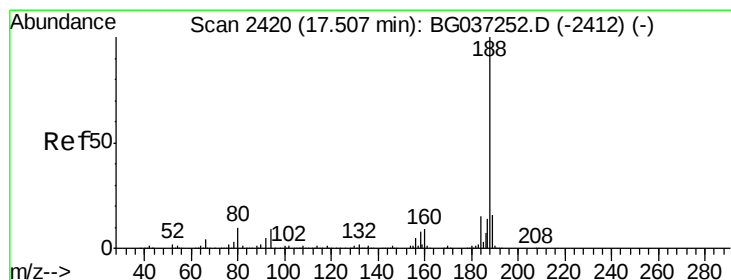
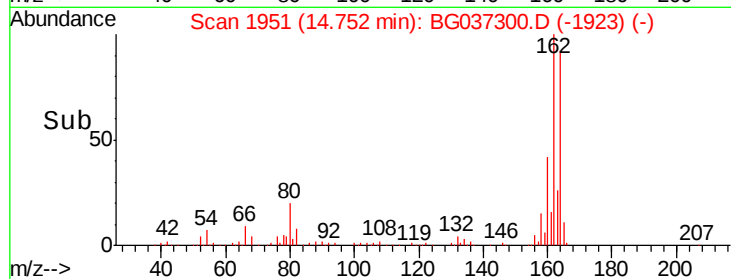
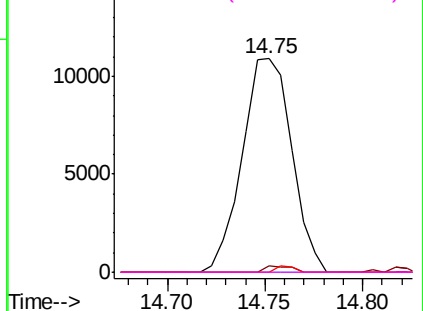


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

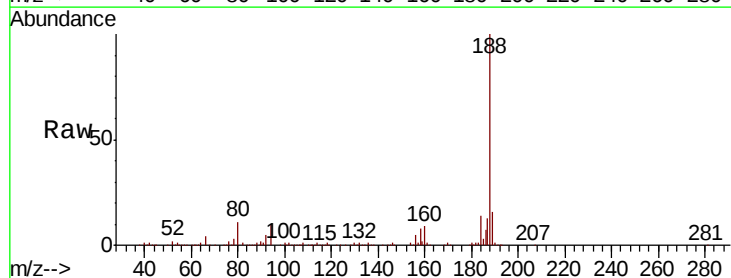
Ion 89.00 (88.70 to 89.70): BGC

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: BG037300.D
Acq: 12 Oct 2018 20:56

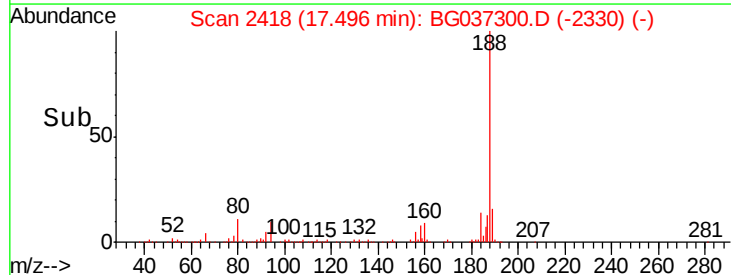
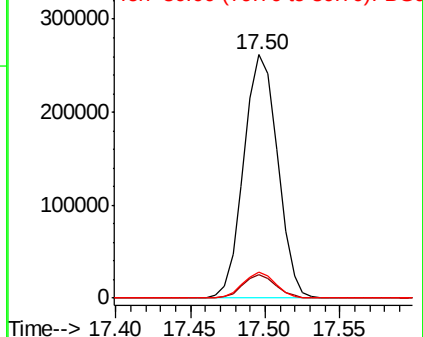
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.9	7.7	11.5

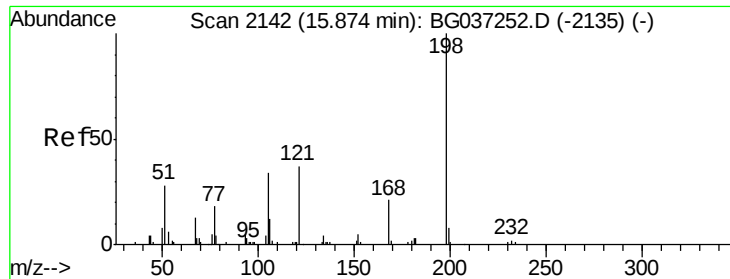


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

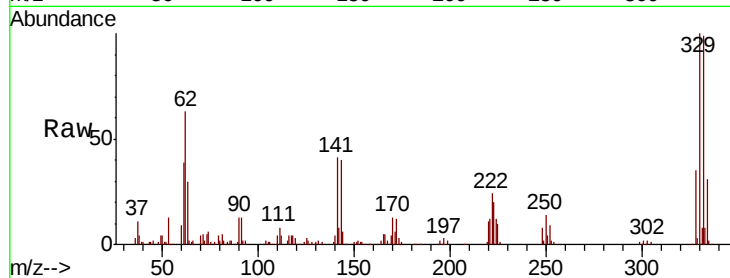




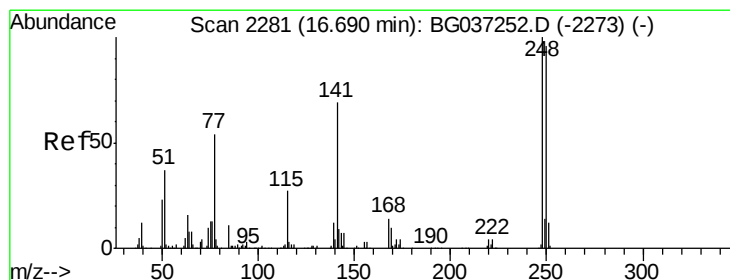
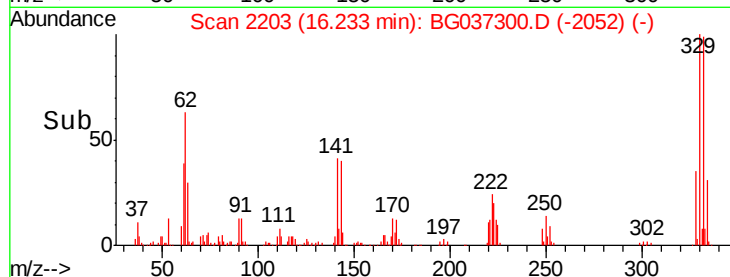
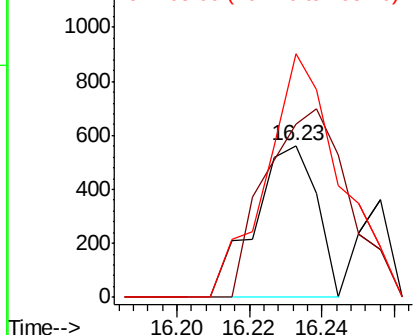
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.400 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG037300.D
 Acq: 12 Oct 2018 20:56

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-101118

Tgt Ion:198 Resp: 668
 Ion Ratio Lower Upper
 198 100
 51 22.8 22.7 62.7
 105 32.0 19.7 59.7

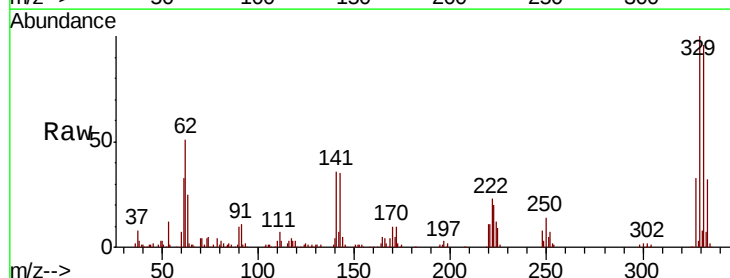


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

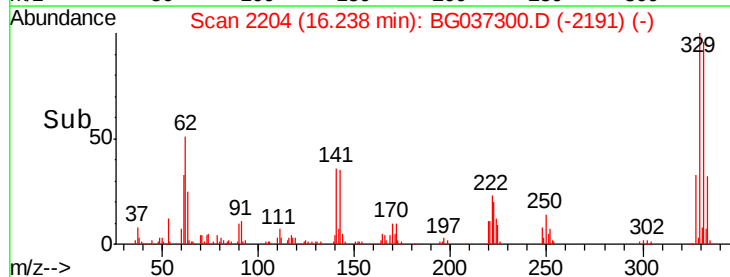
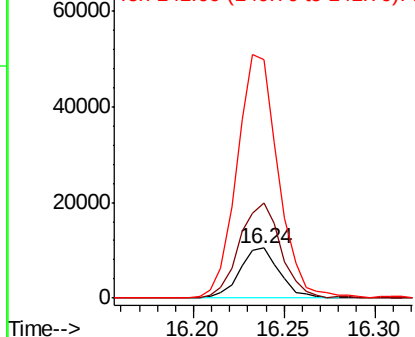


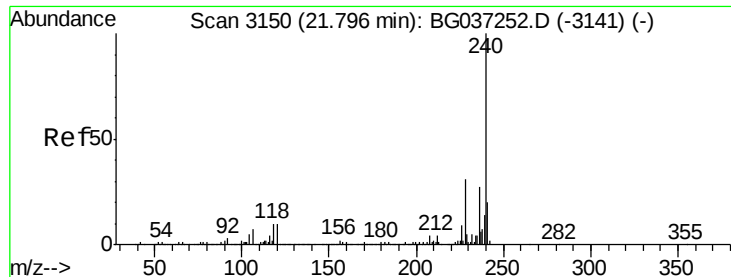
#67
 4-Bromophenyl-phenylether
 Concen: 3.561 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037300.D
 Acq: 12 Oct 2018 20:56

Tgt Ion:248 Resp: 15825
 Ion Ratio Lower Upper
 248 100
 250 191.1 77.0 115.6#
 141 358.6 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: 21.78 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

Instrument :

BNA_G

ClientSampleId :

OK-02-101118

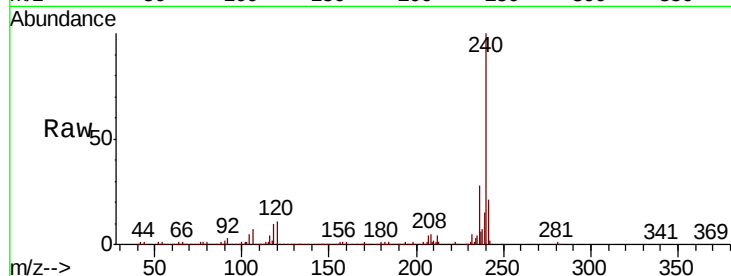
Tgt Ion:240 Resp: 407496

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

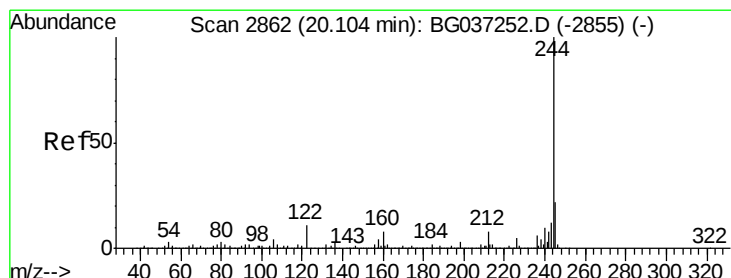
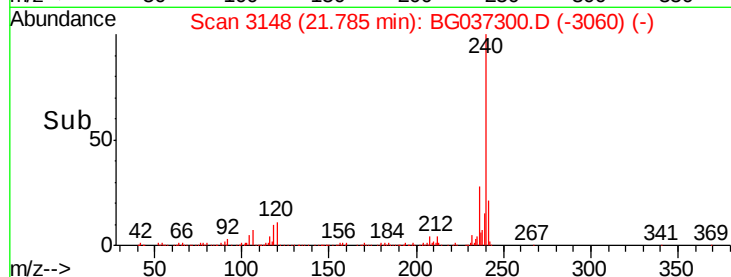
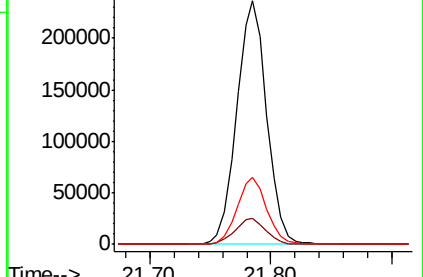
236 27.7 21.4 32.0



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: 76.376 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG037300.D

Acq: 12 Oct 2018 20:56

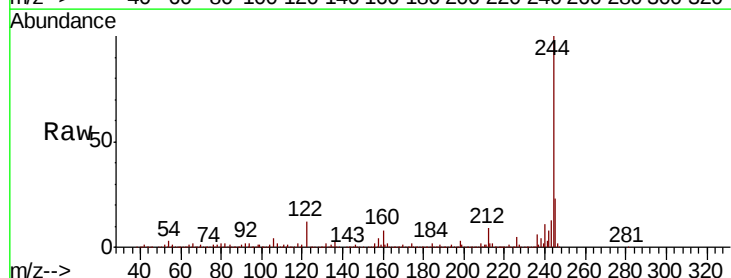
Tgt Ion:244 Resp: 1482216

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

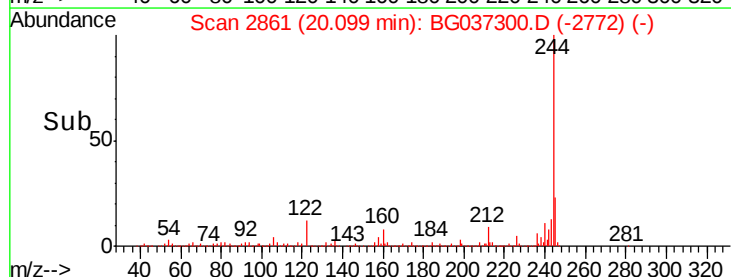
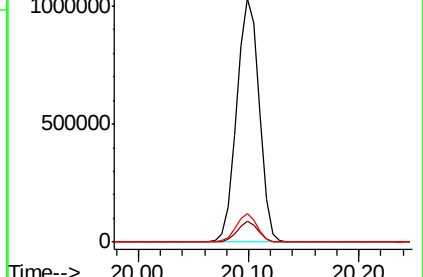
122 11.7 9.0 13.4

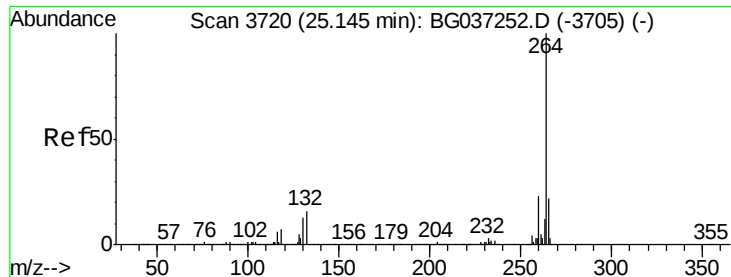


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.13 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG037300.D
Acq: 12 Oct 2018 20:56

Instrument :
BNA_G
ClientSampleId :
OK-02-101118

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.2	27.4
265	22.6	17.9	26.9

