

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037321.D
 Acq On : 13 Oct 2018 11:19
 Operator : JU/SJ
 Sample : J5383-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:15:33 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

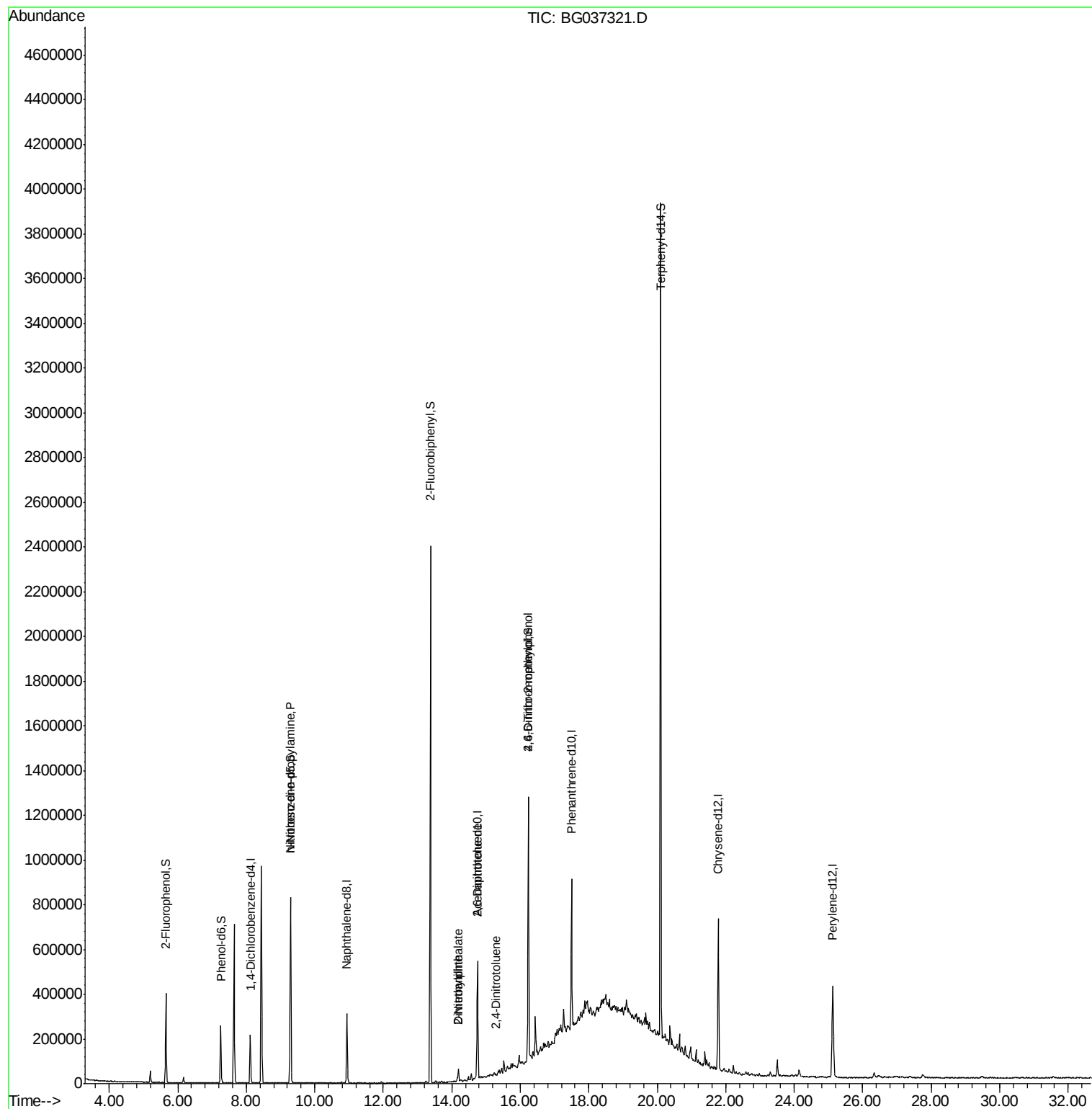
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	63806	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	274555	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	186927	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	397486	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	402060	20.00	ng	-0.02
87) Perylene-d12	25.12	264	438836	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	183597	50.64	ng	0.00
7) Phenol-d6	7.25	99	166371	30.23	ng	0.00
23) Nitrobenzene-d5	9.29	82	510481	122.24	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	206472	112.63	ng	-0.01
45) 2-Fluorobiphenyl	13.38	172	1289042	103.56	ng	0.00
79) Terphenyl-d14	20.10	244	1693119	88.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	66593	15.984	ng	# 71
48) 2-Nitroaniline	14.19	65	281	5.834	ng	# 1
50) Dimethylphthalate	14.19	163	31600	2.151	ng	# 94
51) 2,6-Dinitrotoluene	14.75	165	24379	12.498	ng	# 27
57) 2,4-Dinitrotoluene	15.29	165	741	5.515	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	921	6.594	ng	82

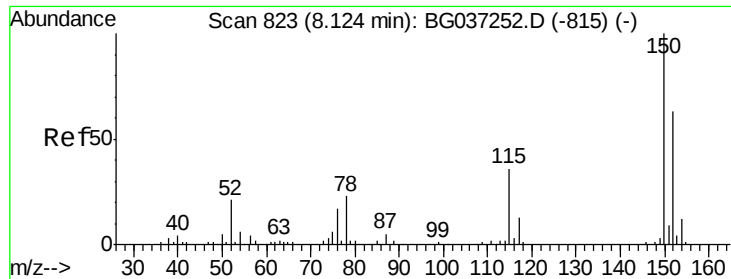
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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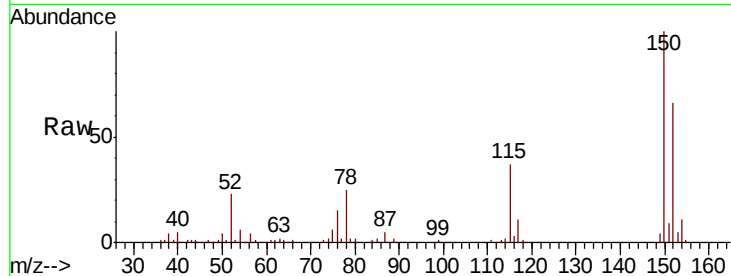


#1

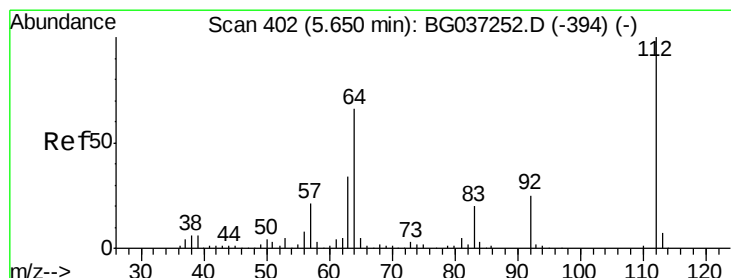
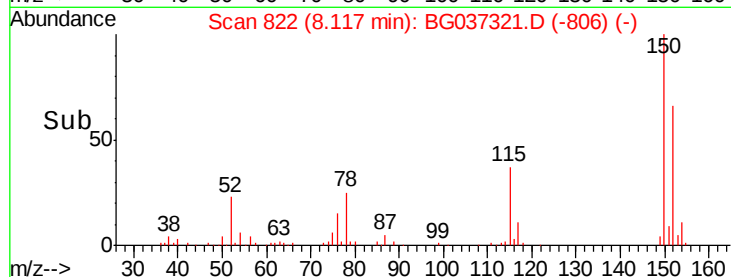
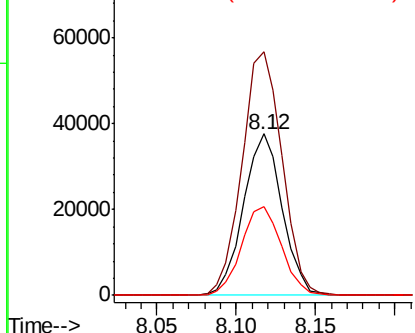
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.12 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BG037321.D
 Acq: 13 Oct 2018 11:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	126.0	189.0
115	55.3	45.5	68.3



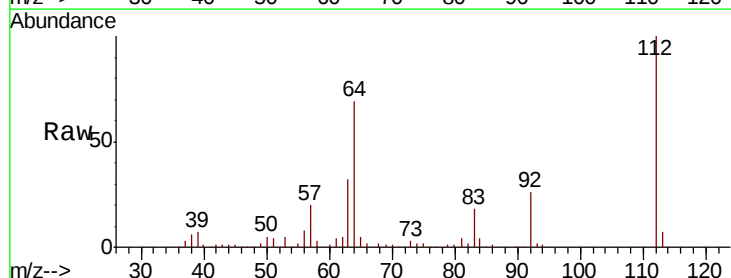
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



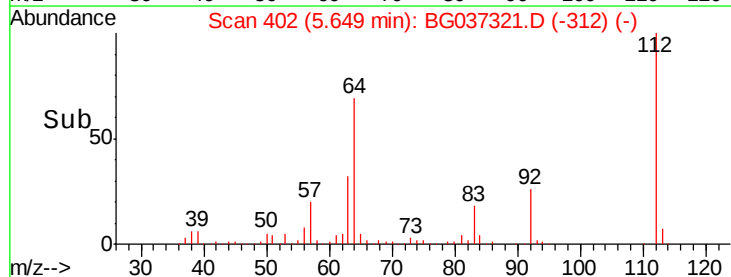
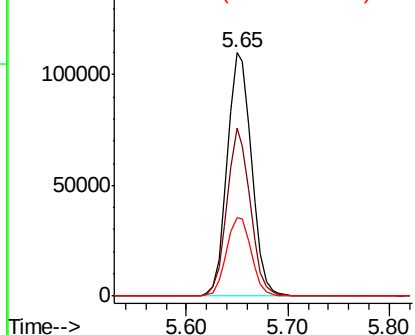
#5

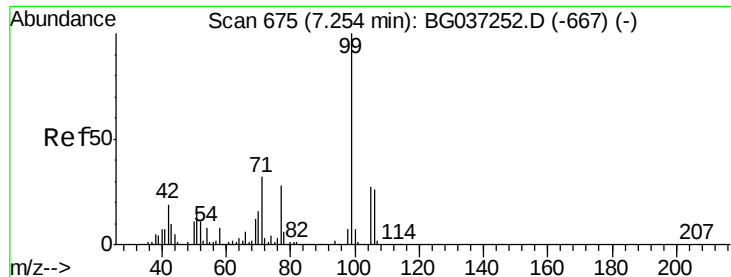
2-Fluorophenol
 Concen: 50.640 ng
 RT: 5.65 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BG037321.D
 Acq: 13 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	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: 30.233 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037321.D

Acq: 13 Oct 2018 11:19

Instrument :

BNA_G

ClientSampleId :

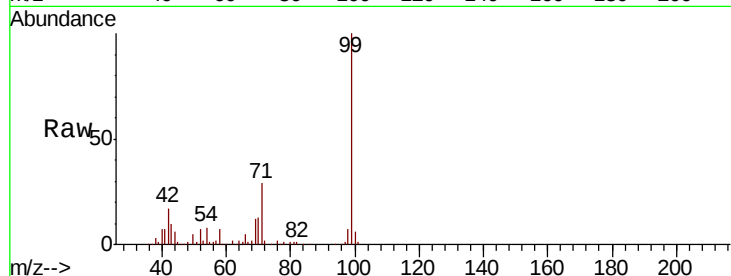
Tot Ion: 99 Resp: 166371

Ion Ratio Lower Upper

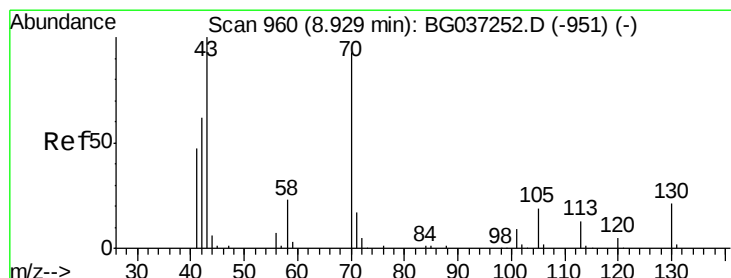
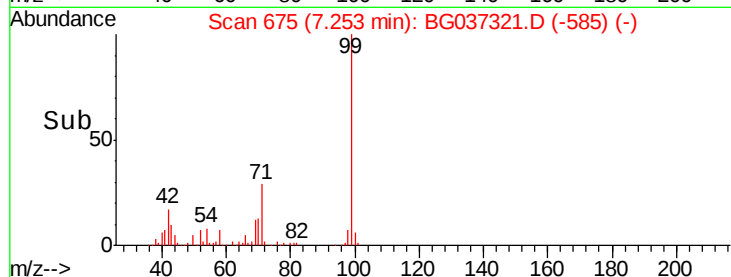
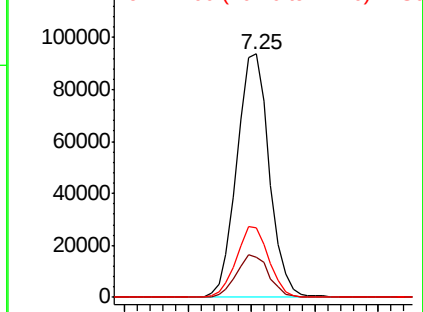
99 100

42 16.6 15.0 22.4

71 28.6 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: 15.984 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.36 min

Lab File: BG037321.D

Acq: 13 Oct 2018 11:19

Tgt Ion: 70 Resp: 66593

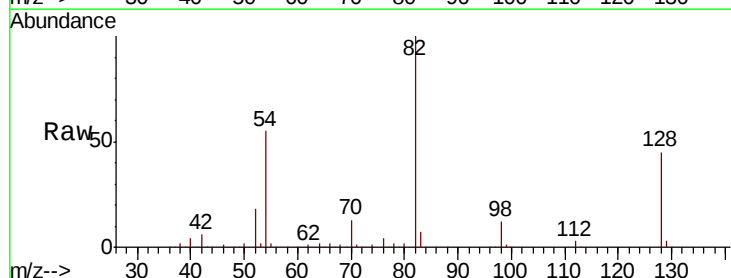
Ion Ratio Lower Upper

70 100

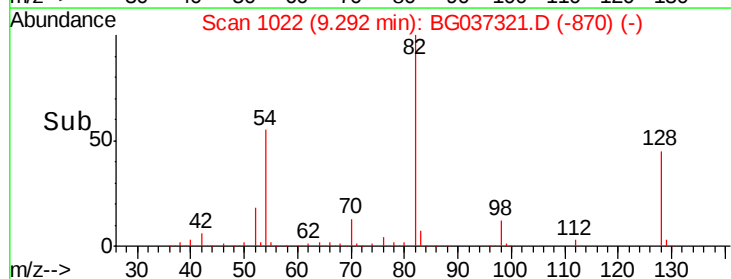
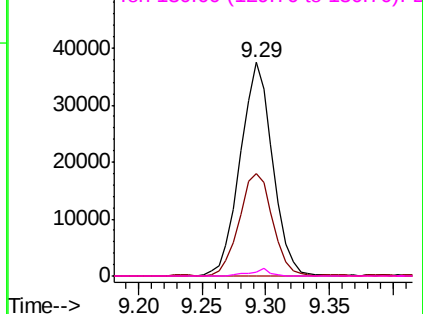
42 48.2 53.9 80.9#

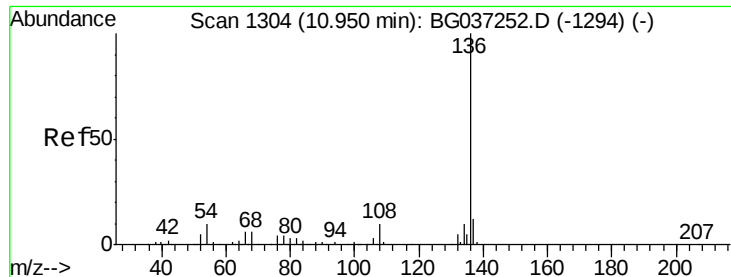
101 0.0 8.2 12.2#

130 1.8 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

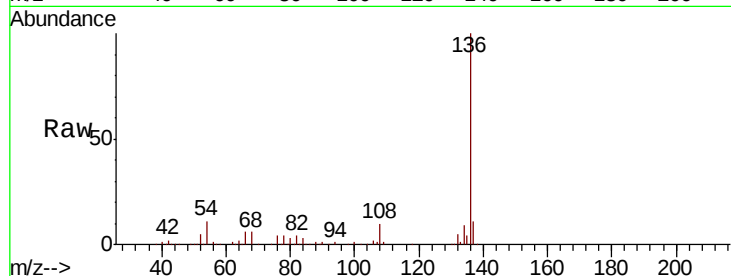




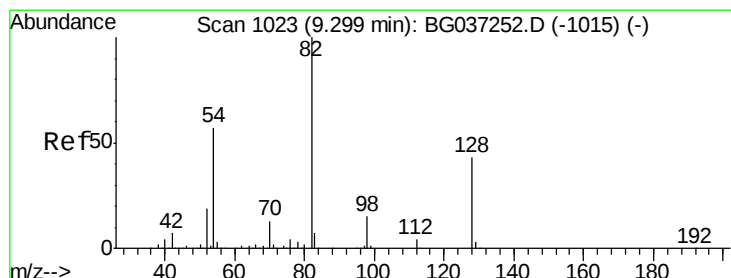
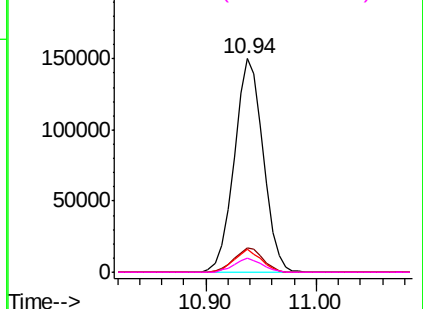
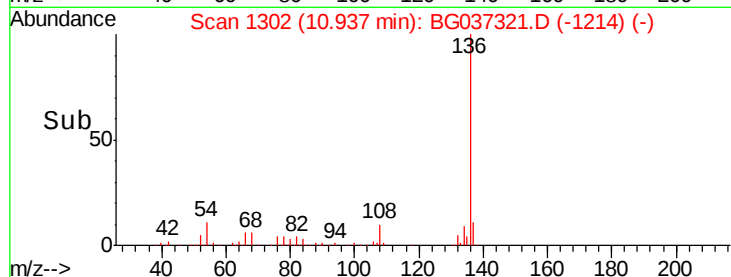
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037321.D
Acq: 13 Oct 2018 11:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	274555
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.6 14.4
54	10.8	7.9 11.9
68	6.4	4.8 7.2

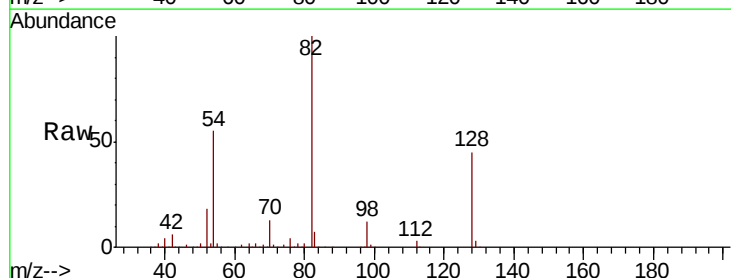


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

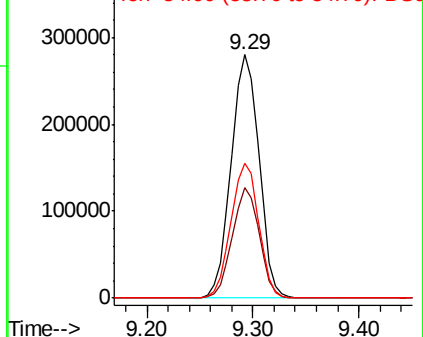
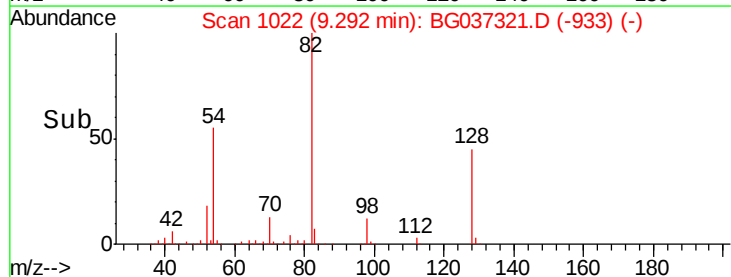


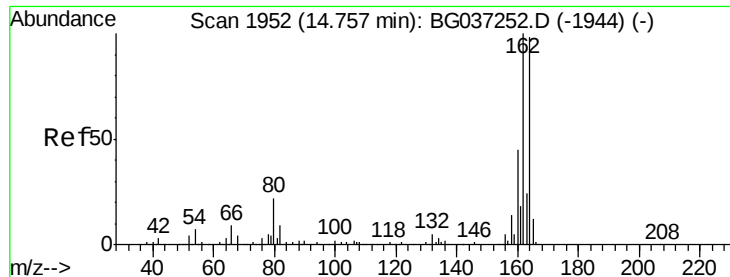
#23
Nitrobenzene-d5
Concen: 122.240 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037321.D
Acq: 13 Oct 2018 11:19

Tgt Ion: 82	Resp:	510481
Ion	Ratio	Lower Upper
82	100	
128	45.3	34.6 51.8
54	55.4	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG037321.D

Acq: 13 Oct 2018 11:19

Instrument :

BNA_G

ClientSampleId :

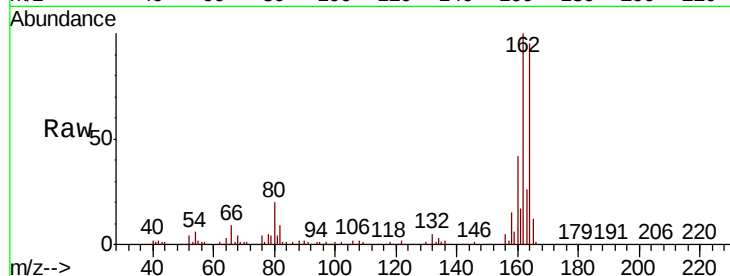
Tot Ion:164 Resp: 186927

Ion Ratio Lower Upper

164 100

162 105.3 81.3 121.9

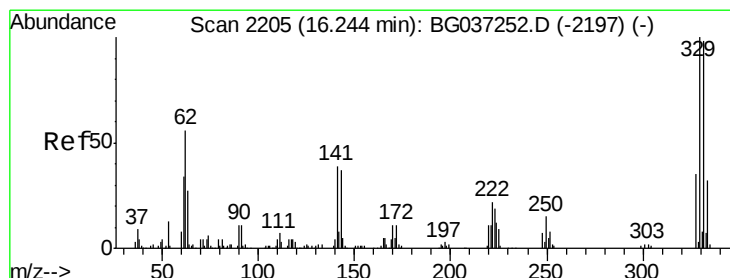
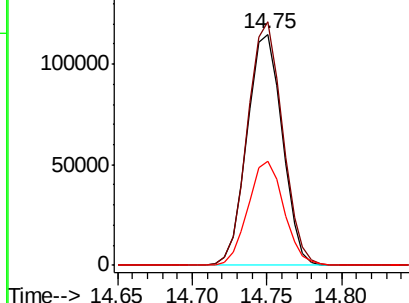
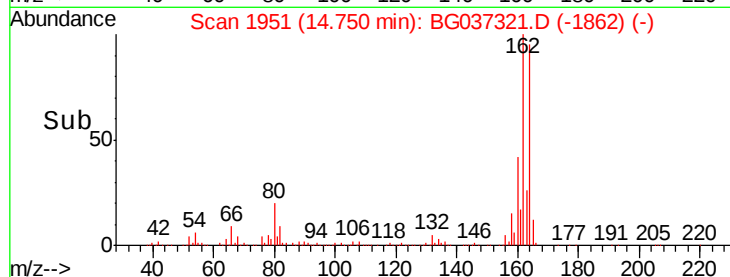
160 44.7 36.3 54.5



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: 112.627 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037321.D

Acq: 13 Oct 2018 11:19

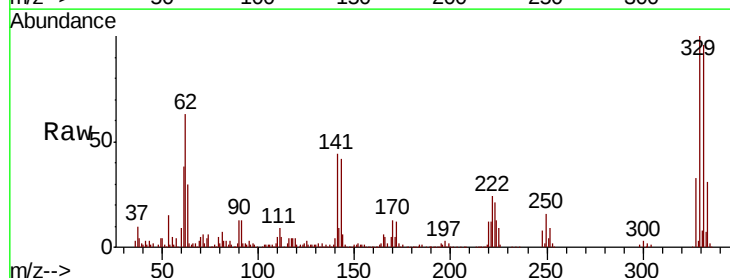
Tgt Ion:330 Resp: 206472

Ion Ratio Lower Upper

330 100

332 97.3 78.4 117.6

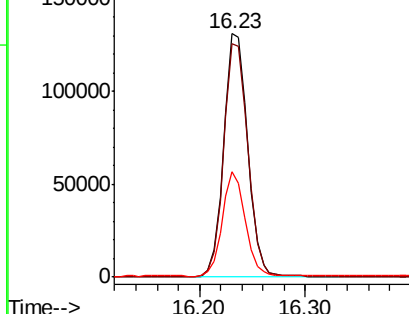
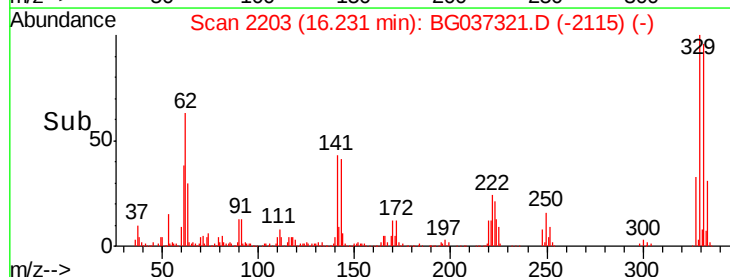
141 41.0 32.2 48.2

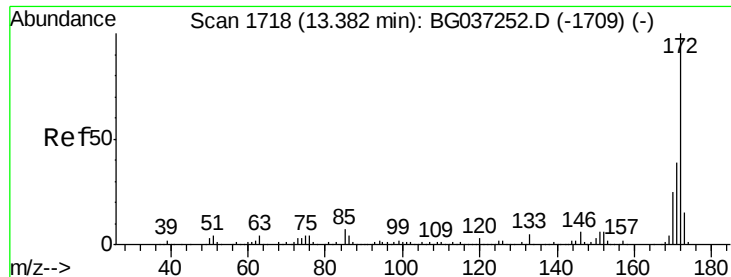


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

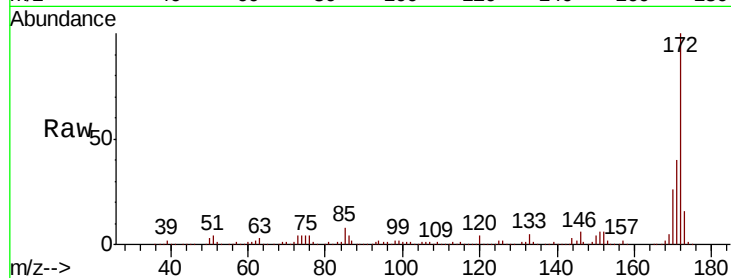




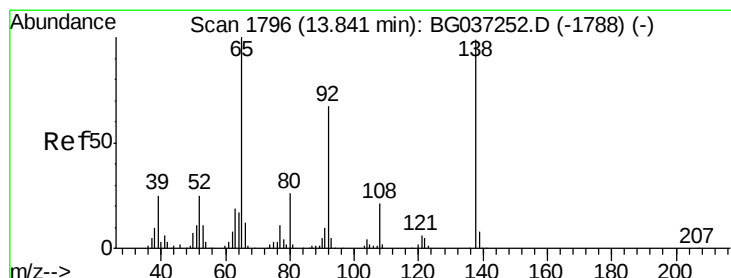
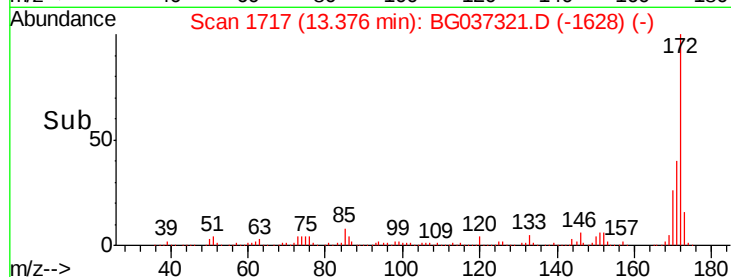
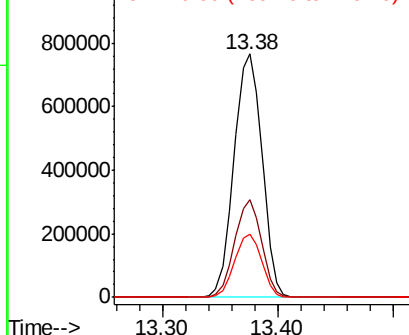
#45
2-Fluorobiphenyl
Concen: 103.561 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BG037321.D
Acq: 13 Oct 2018 11:19

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1289042
Ion Ratio Lower Upper
172 100
171 40.0 31.0 46.4
170 26.2 20.2 30.2

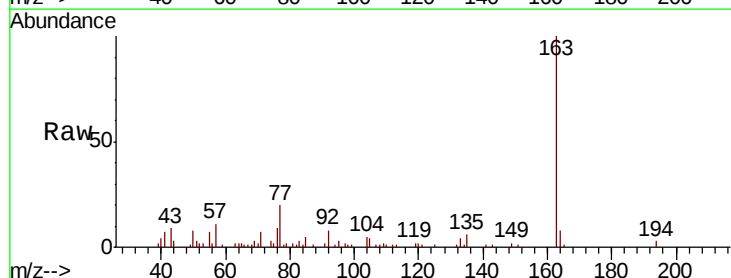


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

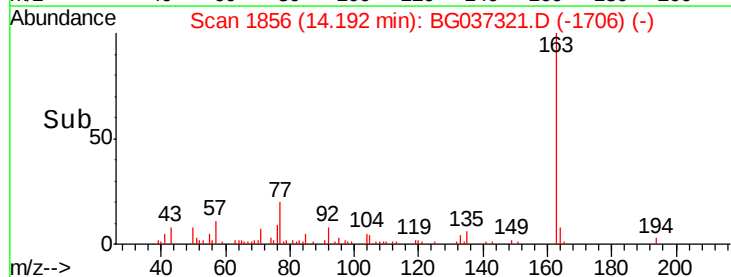
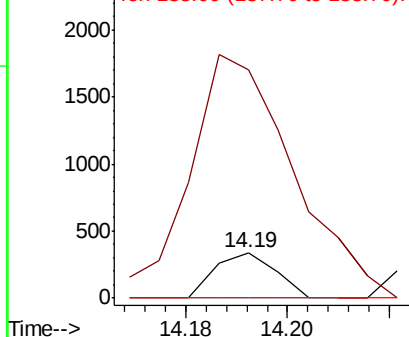


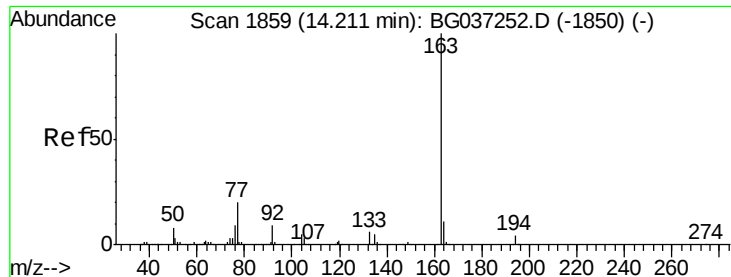
#48
2-Nitroaniline
Concen: 5.834 ng
RT: 14.19 min Scan# 1856
Delta R.T. 0.35 min
Lab File: BG037321.D
Acq: 13 Oct 2018 11:19

Tgt Ion: 65 Resp: 281
Ion Ratio Lower Upper
65 100
92 500.9 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): E





#50

Dimethylphthalate

Concen: 2.151 ng

RT: 14.19 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BG037321.D

Acq: 13 Oct 2018 11:19

Instrument :

BNA_G

ClientSampleId :

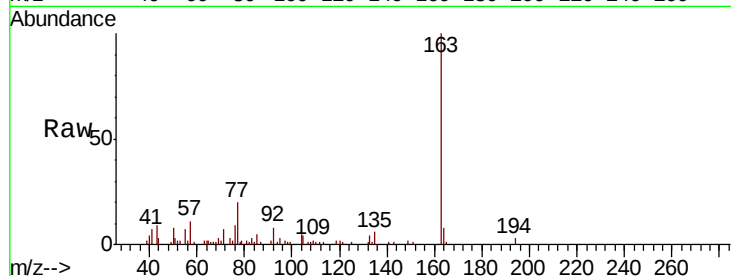
Tot Ion:163 Resp: 31600

Ion Ratio Lower Upper

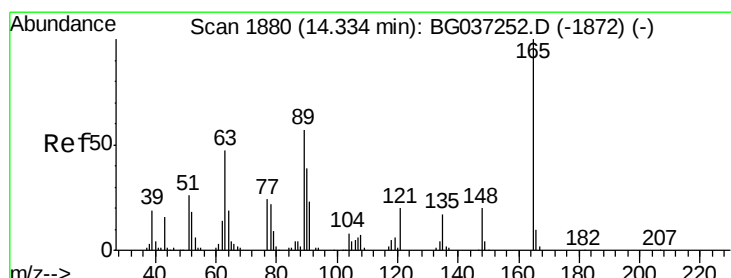
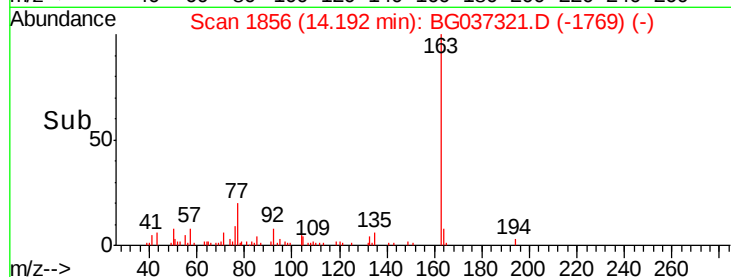
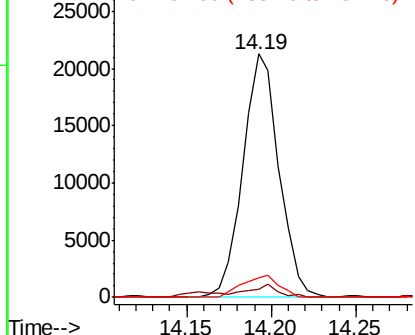
163 100

194 3.2 3.5 5.3#

164 8.0 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: 12.498 ng

RT: 14.75 min Scan# 1951

Delta R.T. 0.42 min

Lab File: BG037321.D

Acq: 13 Oct 2018 11:19

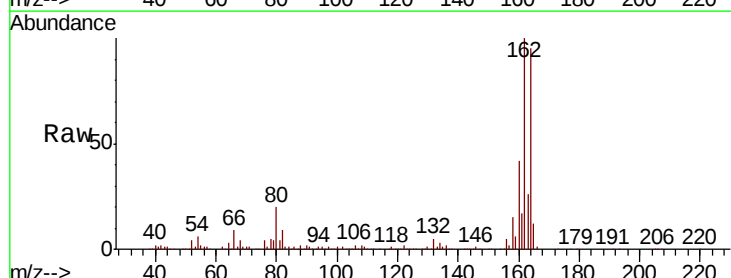
Tgt Ion:165 Resp: 24379

Ion Ratio Lower Upper

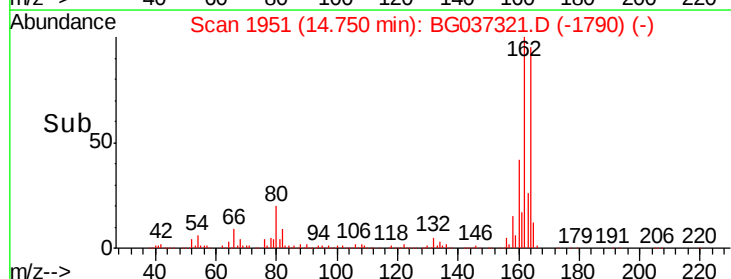
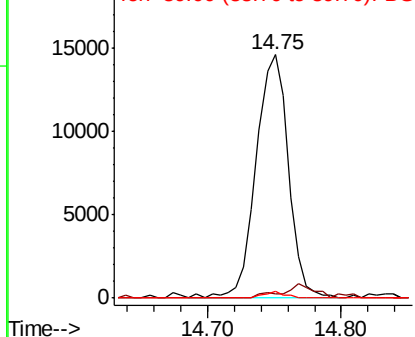
165 100

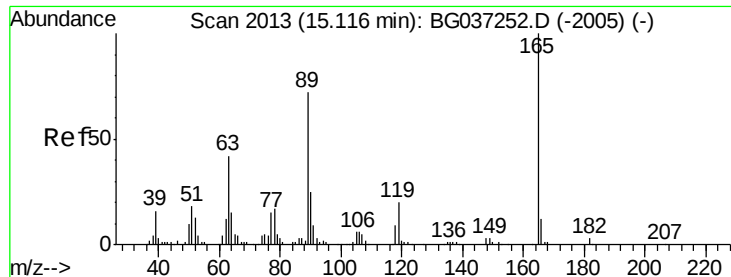
63 1.8 43.4 65.2#

89 3.0 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

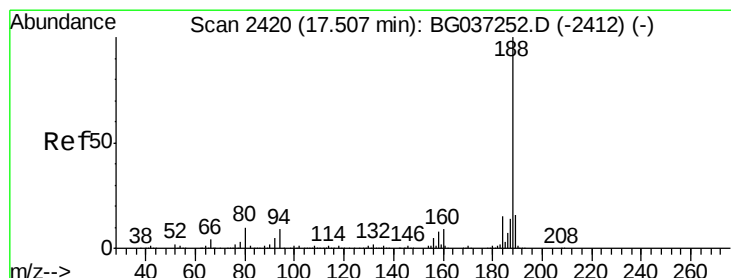
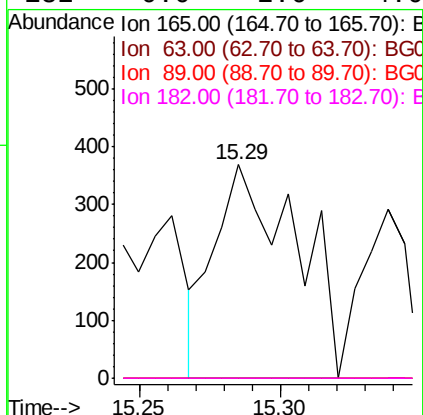
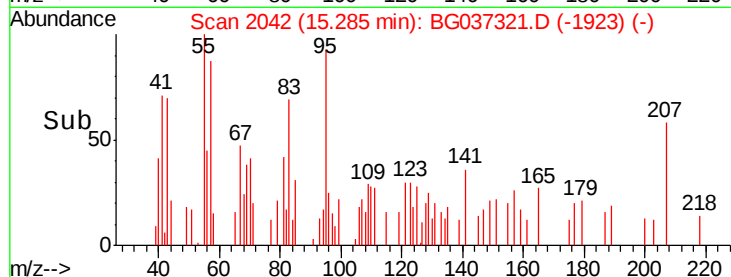
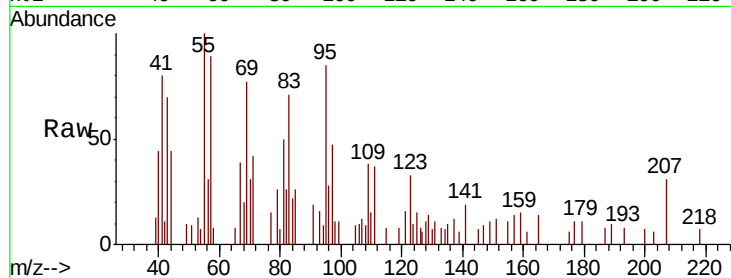




#57
2,4-Dinitrotoluene
Concen: 5.515 ng
RT: 15.29 min Scan# 2042
Delta R.T. 0.17 min
Lab File: BG037321.D
Acq: 13 Oct 2018 11:19

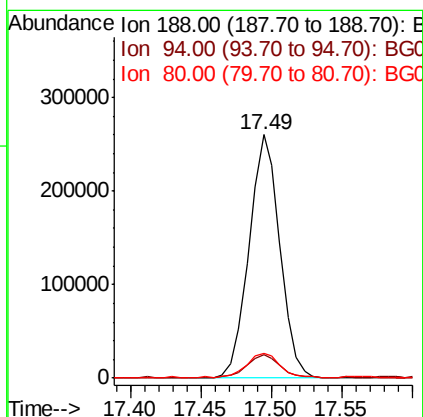
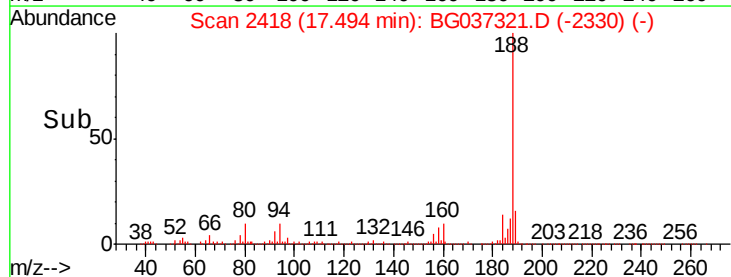
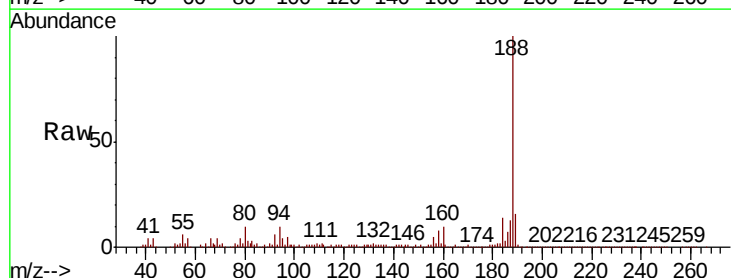
Instrument :
BNA_G
ClientSampleId :

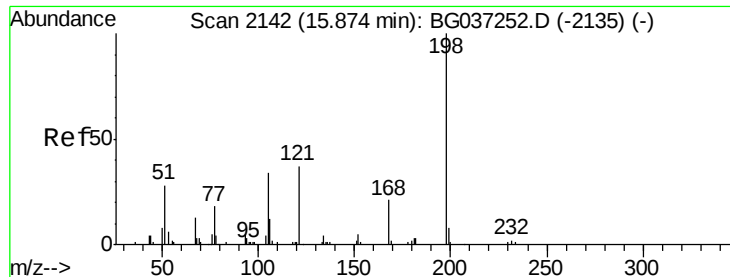
Tot Ion:165 Resp: 741
Ion Ratio Lower Upper
165 100
63 0.0 33.4 50.0#
89 0.0 57.2 85.8#
182 0.0 2.6 4.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG037321.D
Acq: 13 Oct 2018 11:19

Tgt Ion:188 Resp: 397486
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 10.4 7.7 11.5

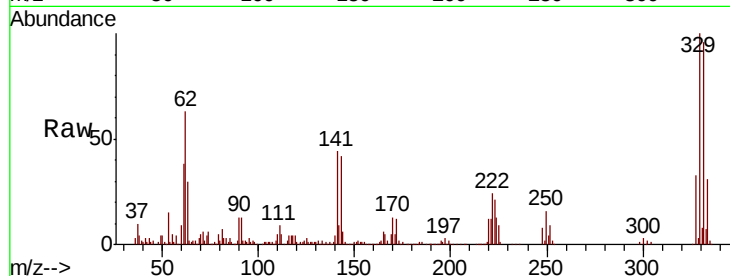




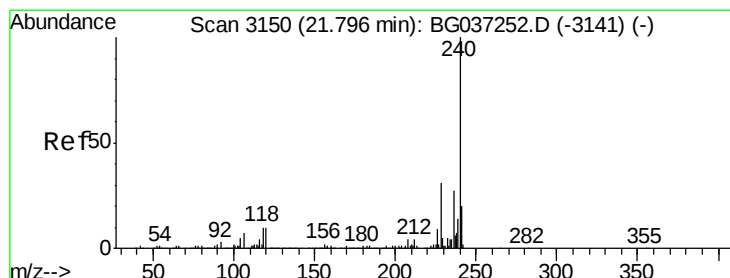
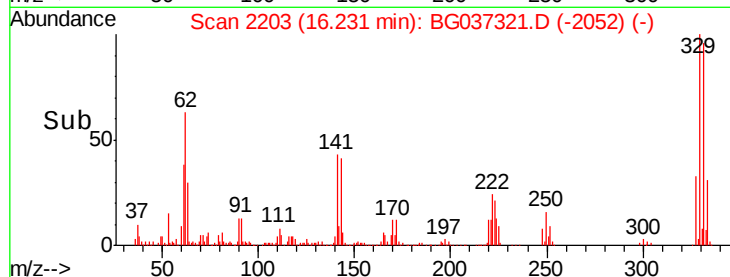
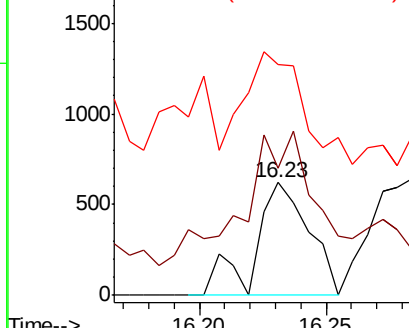
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.594 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG037321.D
 Acq: 13 Oct 2018 11:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 921
 Ion Ratio Lower Upper
 198 100
 51 24.2 22.7 62.7
 105 44.0 19.7 59.7

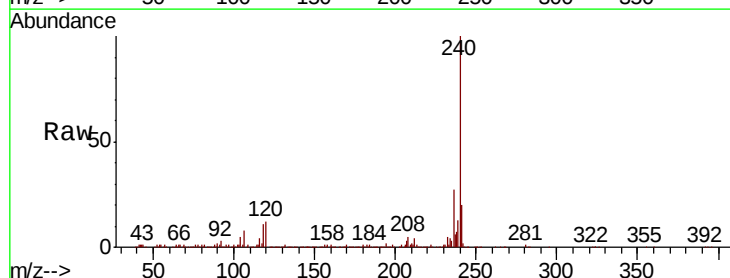


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

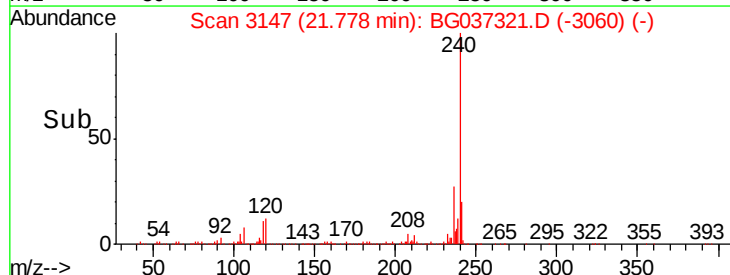
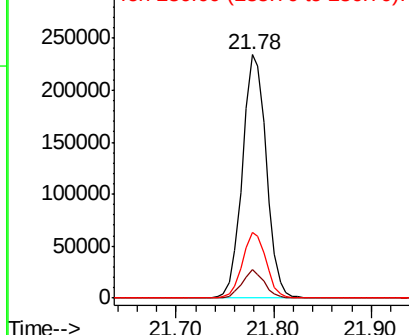


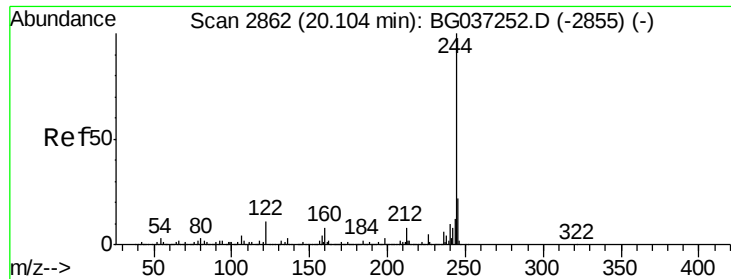
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3147
 Delta R.T. -0.02 min
 Lab File: BG037321.D
 Acq: 13 Oct 2018 11:19

Tgt Ion:240 Resp: 402060
 Ion Ratio Lower Upper
 240 100
 120 11.8 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

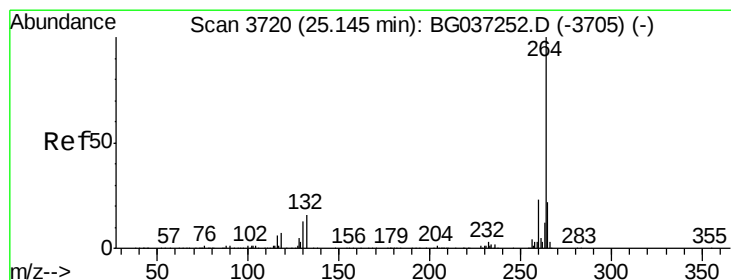
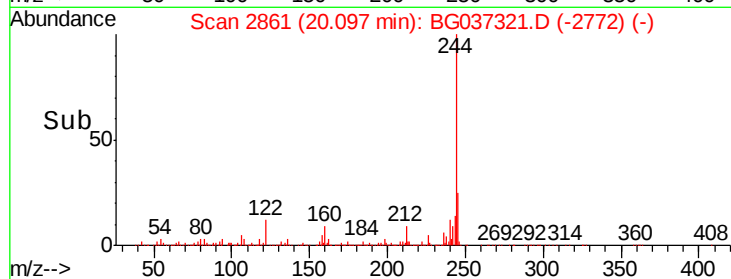
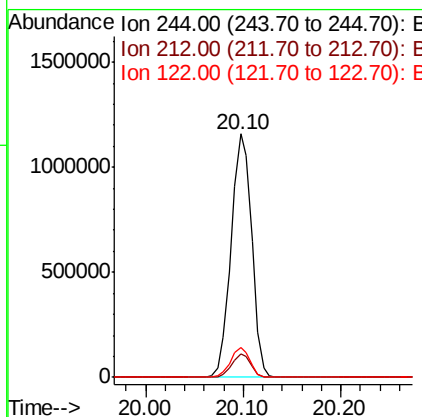
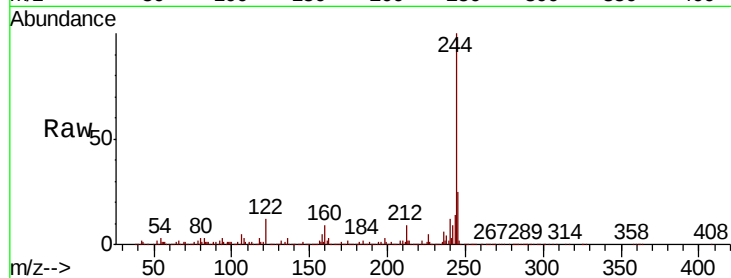




#79
 Terphenyl-d14
 Concen: 88.423 ng
 RT: 20.10 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BG037321.D
 Acq: 13 Oct 2018 11:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1693119
 Ion Ratio Lower Upper
 244 100
 212 9.4 6.5 9.7
 122 12.4 9.0 13.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.12 min Scan# 3716
 Delta R.T. -0.02 min
 Lab File: BG037321.D
 Acq: 13 Oct 2018 11:19

Tgt Ion:264 Resp: 438836
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.2 27.4
 265 20.4 17.9 26.9

