

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101118\
 Data File : BG037284.D
 Acq On : 12 Oct 2018 9:43
 Operator : JU/SJ
 Sample : J5371-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 11:13:03 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	56029	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	245281	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	164659	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	415770	20.00	ng	0.00
76) Chrysene-d12	21.78	240	402991	20.00	ng	-0.01
87) Perylene-d12	25.13	264	420269	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	155508	48.85	ng	0.00
7) Phenol-d6	7.25	99	140704	29.12	ng	0.00
23) Nitrobenzene-d5	9.30	82	406180	108.87	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	174700	108.18	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1033048	94.22	ng	0.00
79) Terphenyl-d14	20.10	244	1647549	85.84	ng	0.00

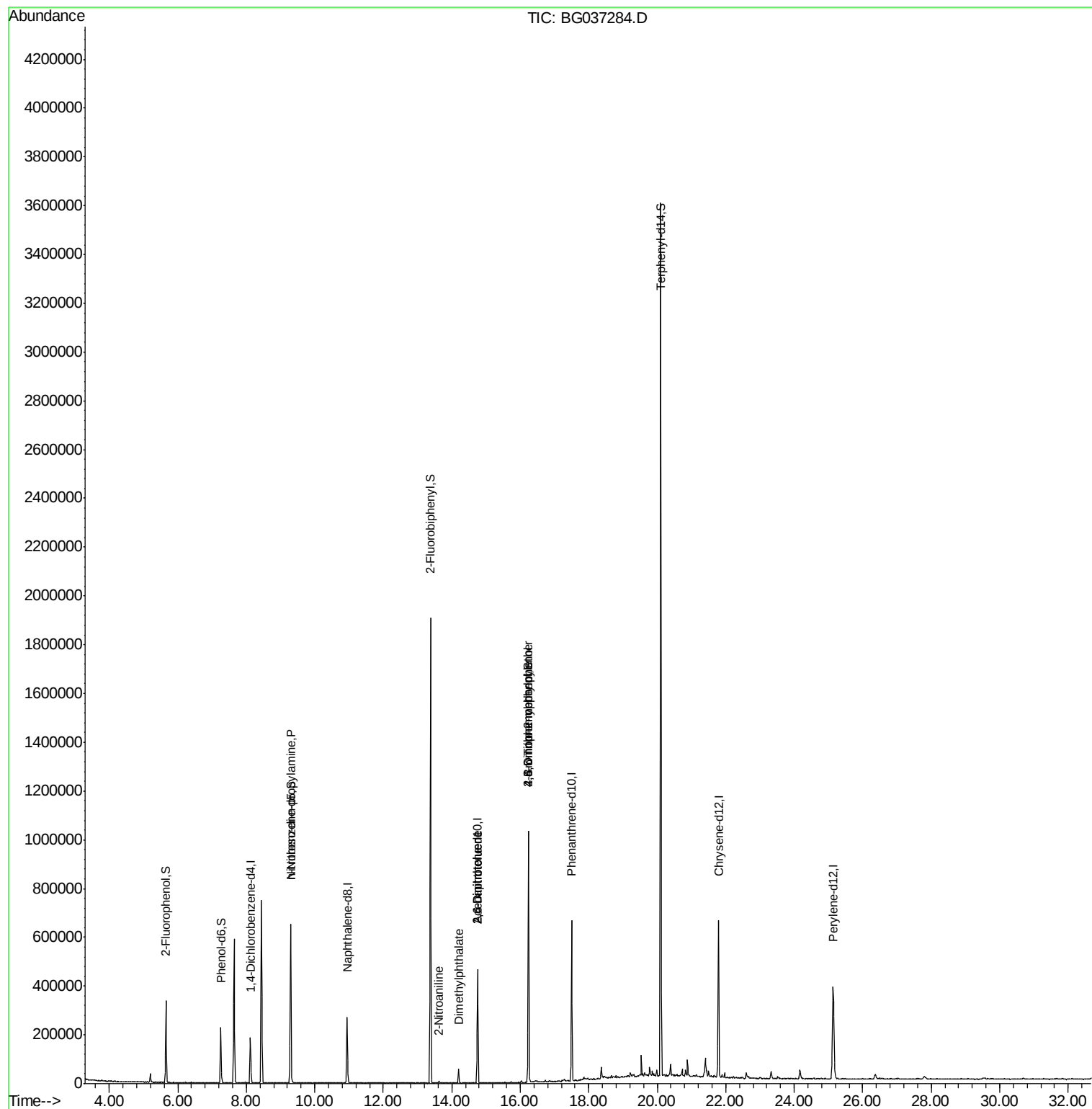
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	49542	13.542	ng	# 75
48) 2-Nitroaniline	13.62	65	74	5.779	ng	# 7
50) Dimethylphthalate	14.20	163	40250	3.110	ng	98
51) 2,6-Dinitrotoluene	14.75	165	20609	12.188	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	20609	11.091	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	520	6.296	ng	84
67) 4-Bromophenyl-phenylether	16.24	248	13739	3.062	ng	# 1

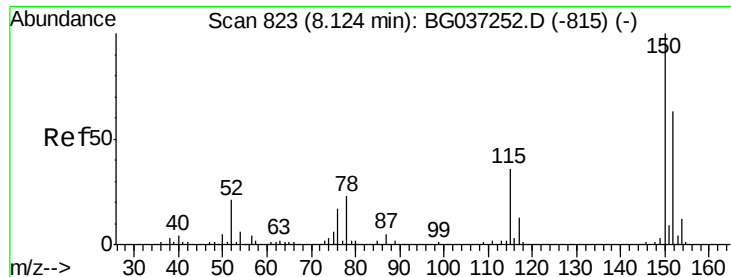
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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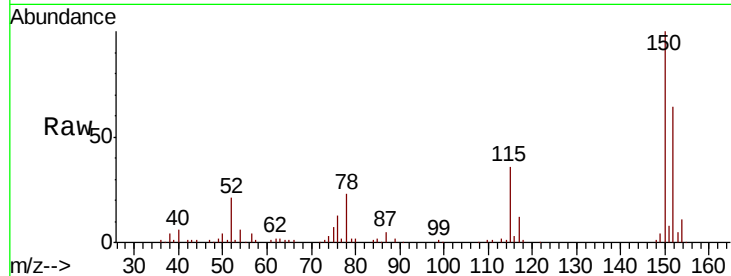


#1

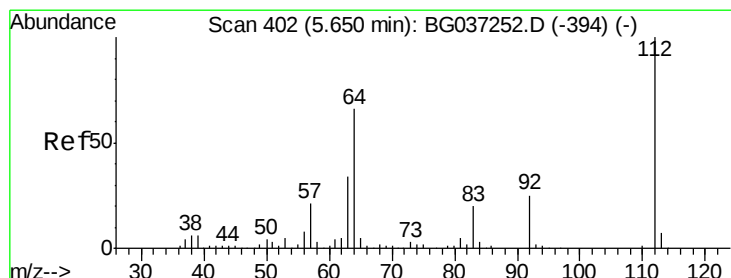
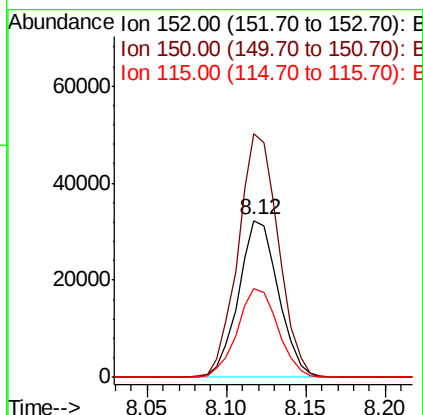
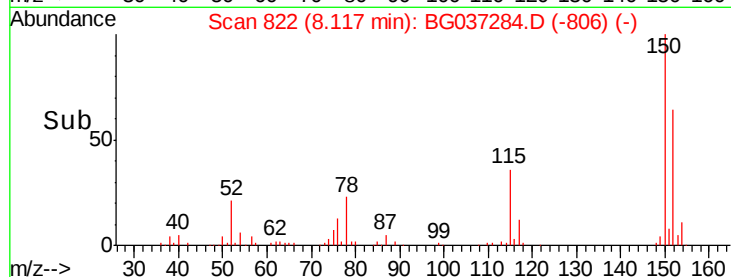
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037284.D
Acq: 12 Oct 2018 9:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56029
Ion Ratio Lower Upper
152 100
150 155.3 126.0 189.0
115 56.5 45.5 68.3



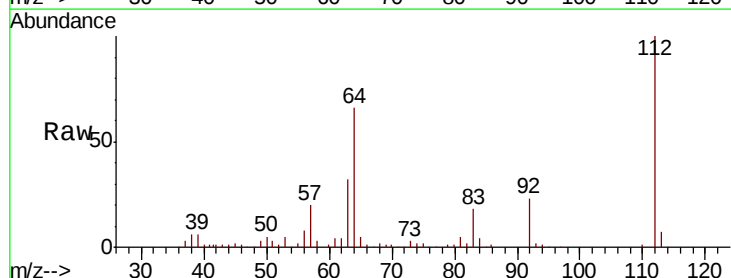
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



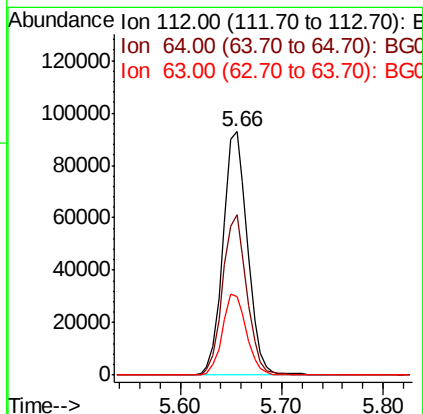
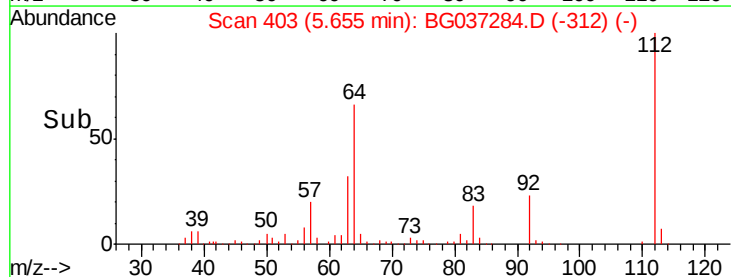
#5

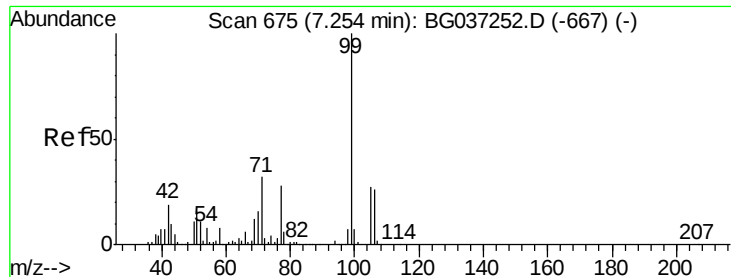
2-Fluorophenol
Concen: 48.846 ng
RT: 5.66 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG037284.D
Acq: 12 Oct 2018 9:43

Tgt Ion:112 Resp: 155508
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 32.1 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: 29.118 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037284.D

Acq: 12 Oct 2018 9:43

Instrument :

BNA_G

ClientSampled :

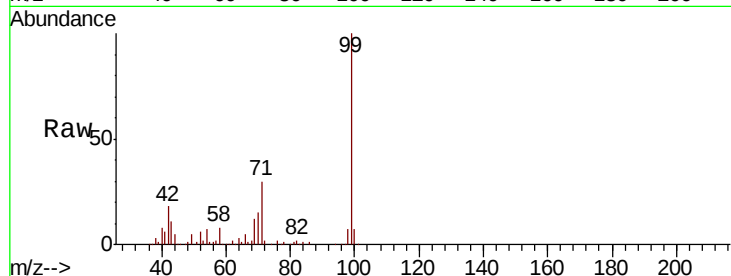
Tot Ion: 99 Resp: 140704

Ion Ratio Lower Upper

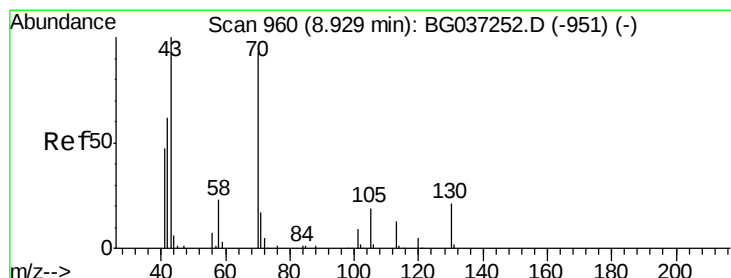
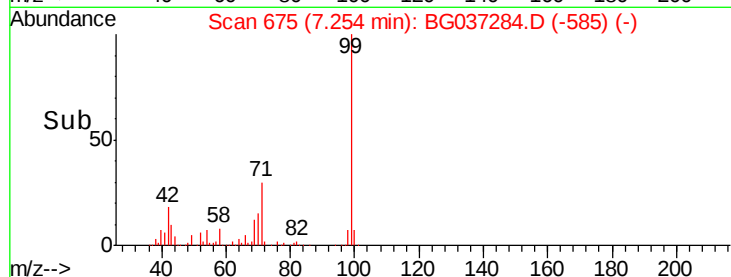
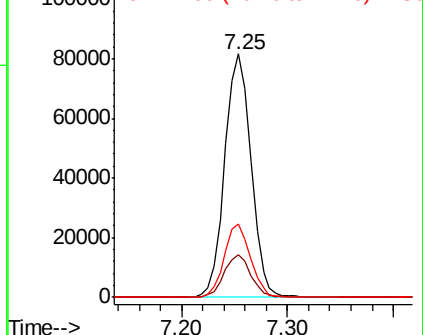
99 100

42 17.8 15.0 22.4

71 30.0 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: 13.542 ng

RT: 9.30 min Scan# 1023

Delta R.T. 0.37 min

Lab File: BG037284.D

Acq: 12 Oct 2018 9:43

Tgt Ion: 70 Resp: 49542

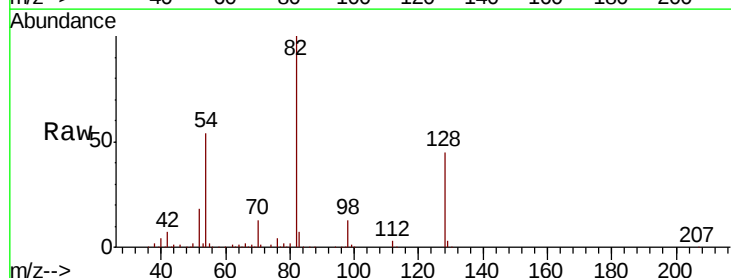
Ion Ratio Lower Upper

70 100

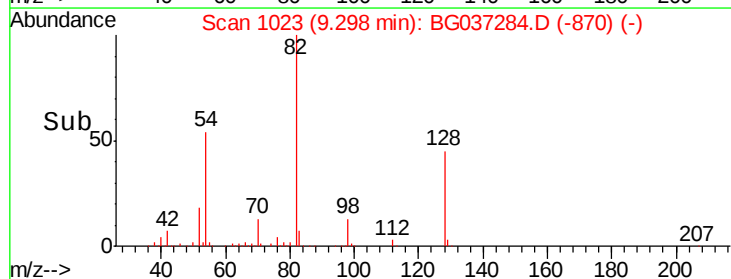
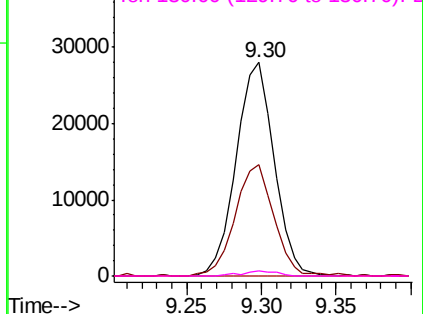
42 51.9 53.9 80.9#

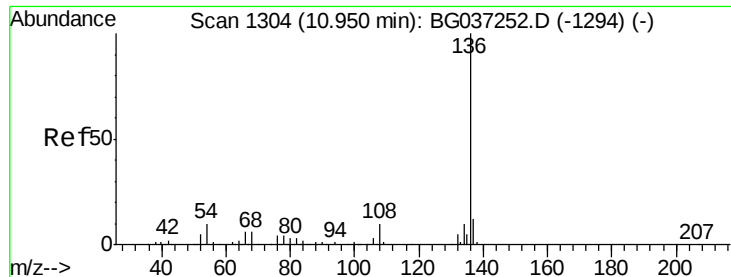
101 0.0 8.2 12.2#

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

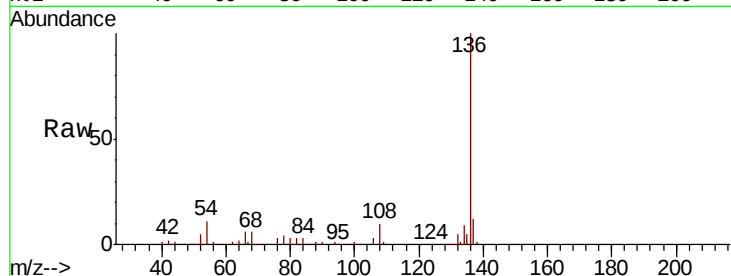




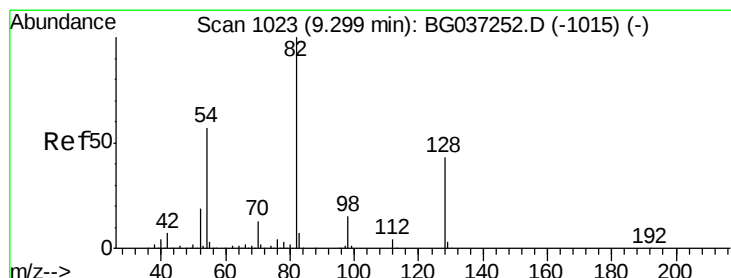
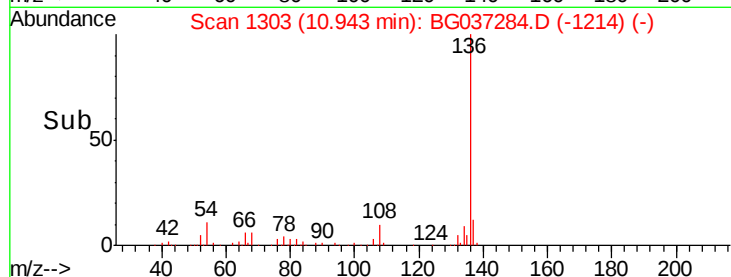
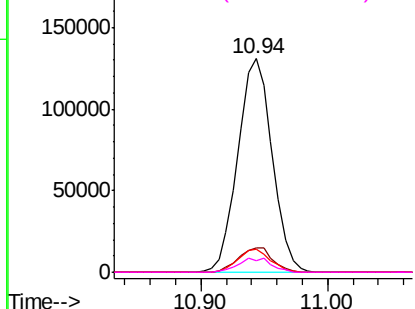
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG037284.D
Acq: 12 Oct 2018 9:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	245281
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.6 14.4
54	10.6	7.9 11.9
68	5.7	4.8 7.2

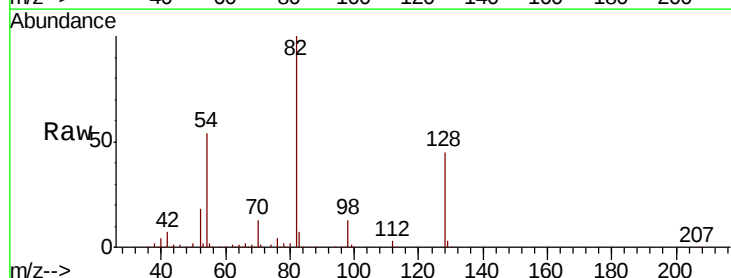


Abundance Ion 136.00 (135.70 to 136.70): E
200000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

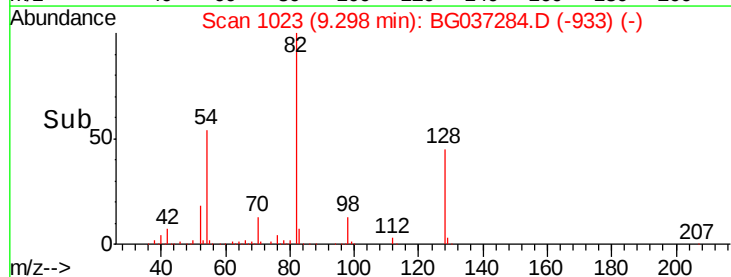
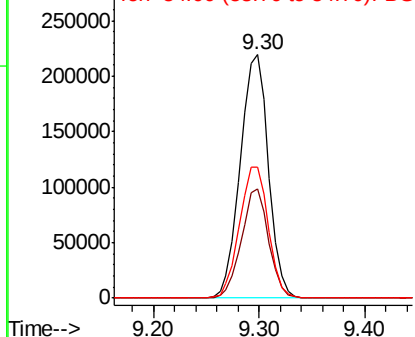


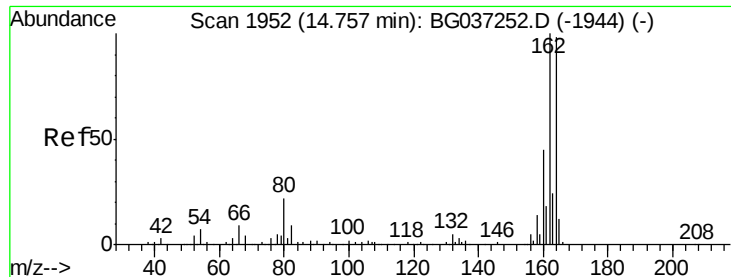
#23
Nitrobenzene-d5
Concen: 108.872 ng
RT: 9.30 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG037284.D
Acq: 12 Oct 2018 9:43

Tgt Ion: 82	Resp:	406180
Ion Ratio	Lower	Upper
82	100	
128	44.8	34.6 51.8
54	53.7	45.3 67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000 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: BG037284.D

Acq: 12 Oct 2018 9:43

Instrument :

BNA_G

ClientSampleId :

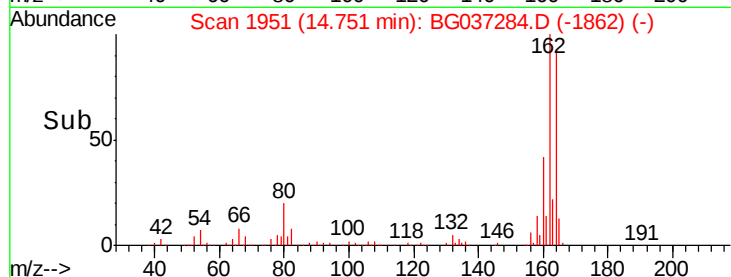
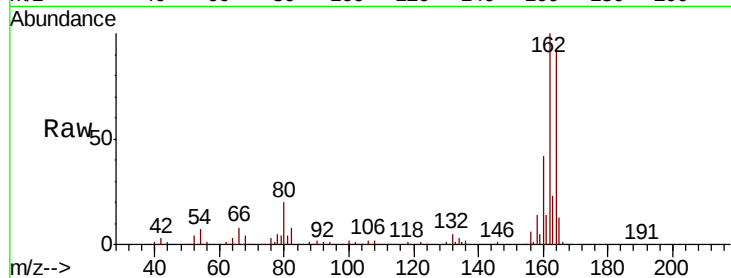
Tot Ion:164 Resp: 164659

Ion Ratio Lower Upper

164 100

162 107.6 81.3 121.9

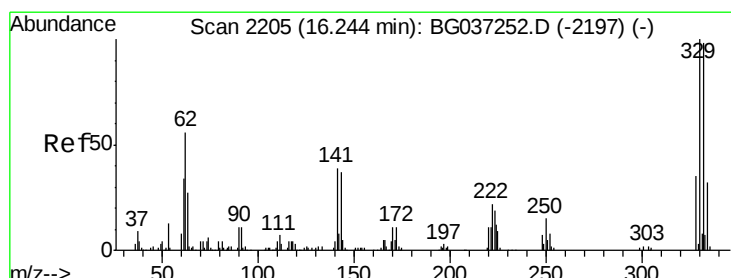
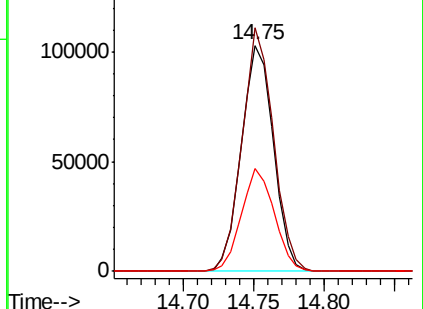
160 45.2 36.3 54.5



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: 108.184 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG037284.D

Acq: 12 Oct 2018 9:43

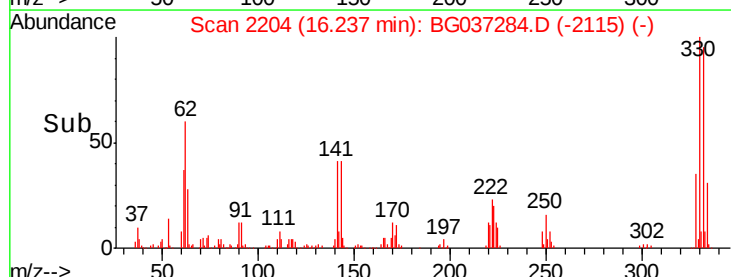
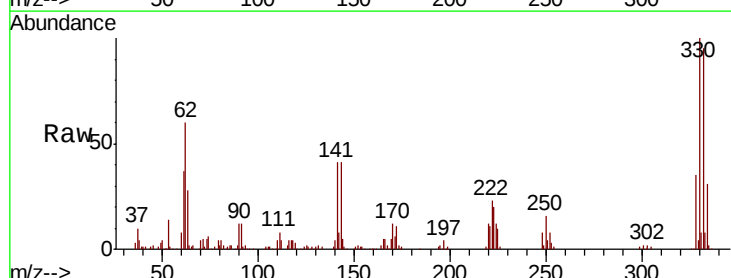
Tgt Ion:330 Resp: 174700

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

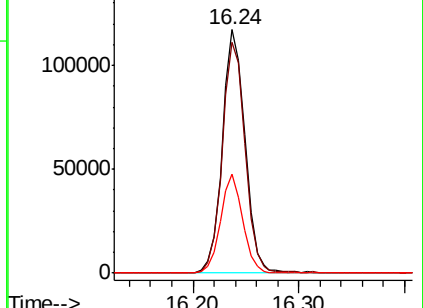
141 39.8 32.2 48.2

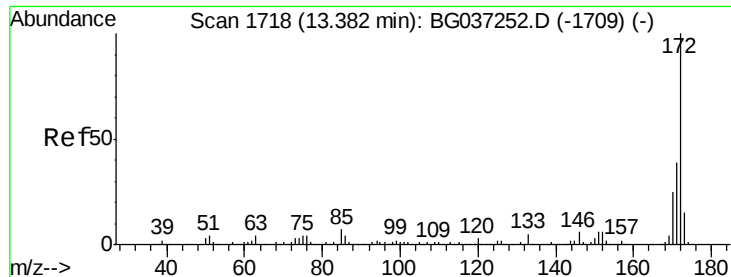


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



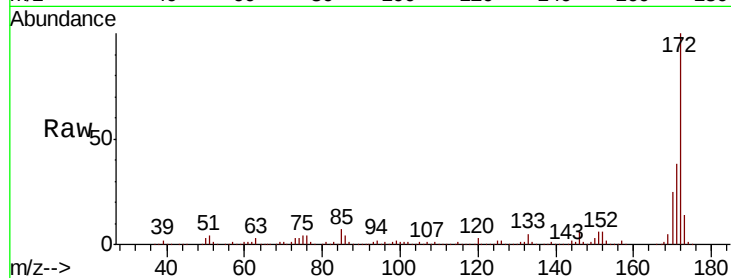


#45
 2-Fluorobiphenyl
 Concen: 94.219 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG037284.D
 Acq: 12 Oct 2018 9:43

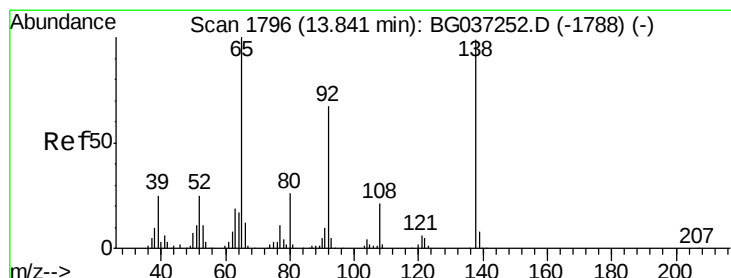
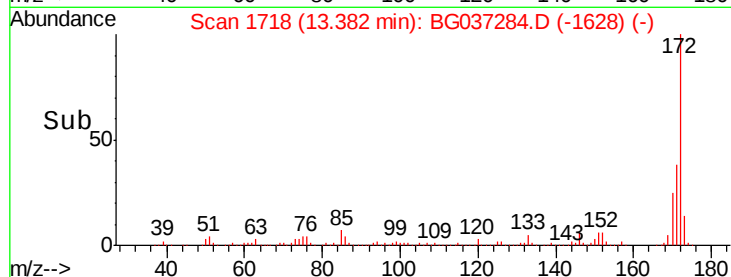
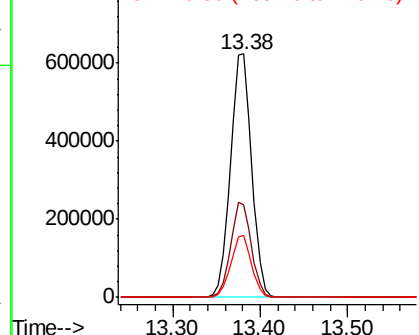
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1033048

Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.0	46.4
170	25.4	20.2	30.2



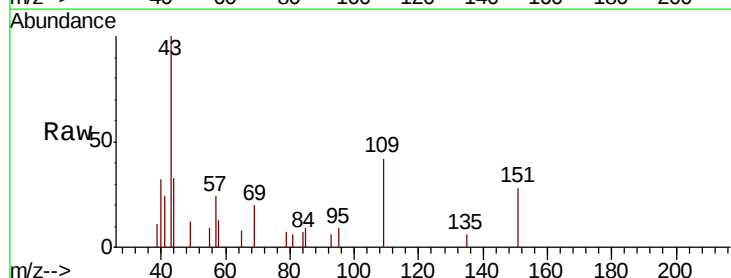
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



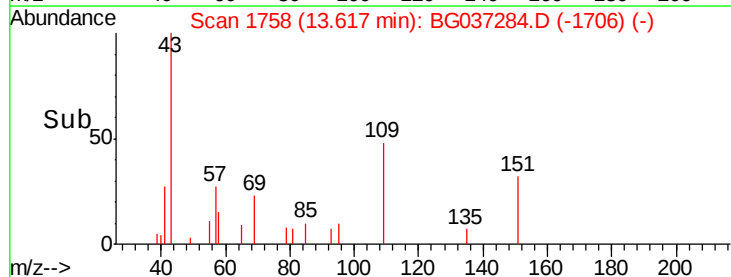
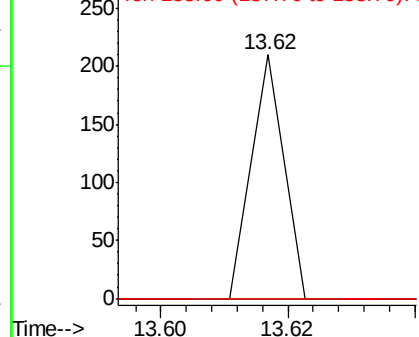
#48
 2-Nitroaniline
 Concen: 5.779 ng
 RT: 13.62 min Scan# 1758
 Delta R.T. -0.22 min
 Lab File: BG037284.D
 Acq: 12 Oct 2018 9:43

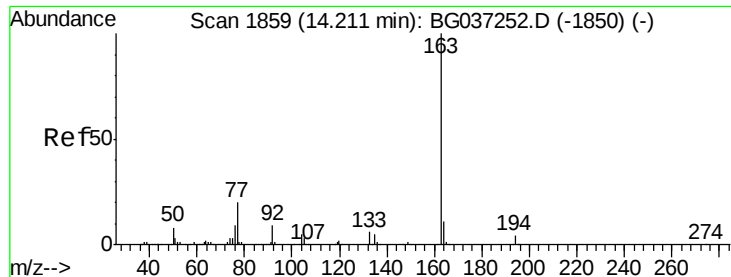
Tgt Ion: 65 Resp: 74

Ion	Ratio	Lower	Upper
65	100		
92	0.0	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: 3.110 ng

RT: 14.20 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG037284.D

Acq: 12 Oct 2018 9:43

Instrument :

BNA_G

ClientSampled :

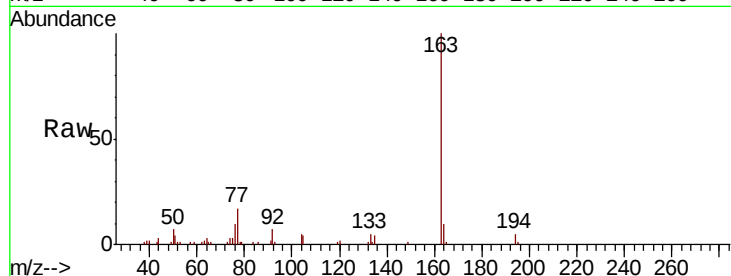
Tot Ion:163 Resp: 40250

Ion Ratio Lower Upper

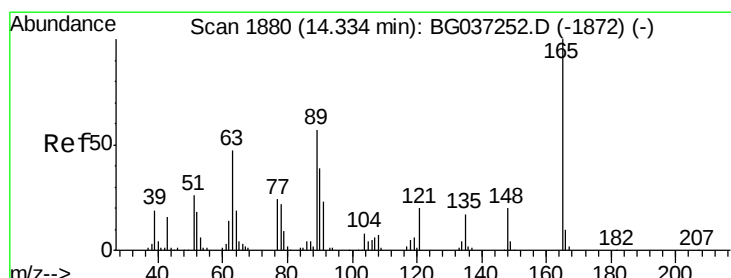
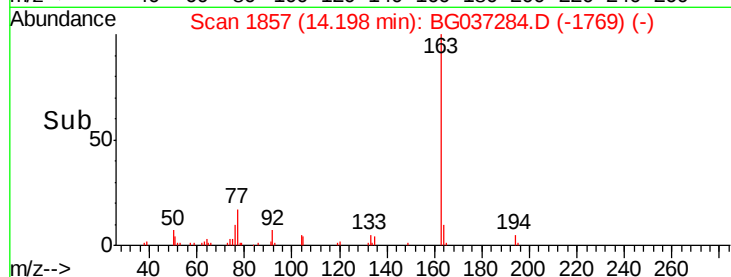
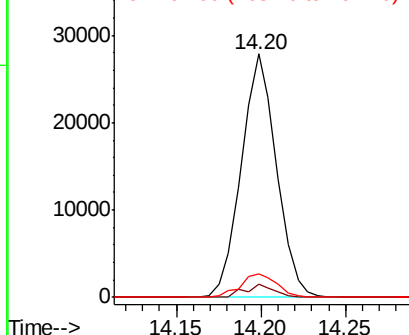
163 100

194 5.2 3.5 5.3

164 9.7 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: 12.188 ng

RT: 14.75 min Scan# 1951

Delta R.T. 0.42 min

Lab File: BG037284.D

Acq: 12 Oct 2018 9:43

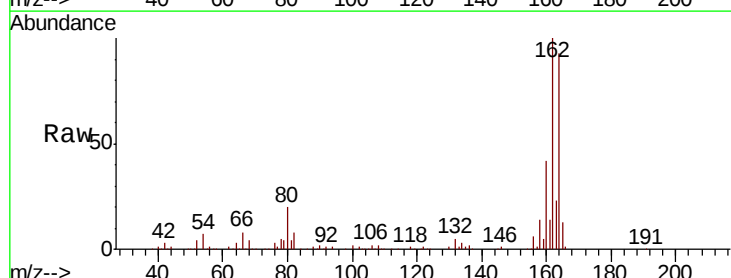
Tgt Ion:165 Resp: 20609

Ion Ratio Lower Upper

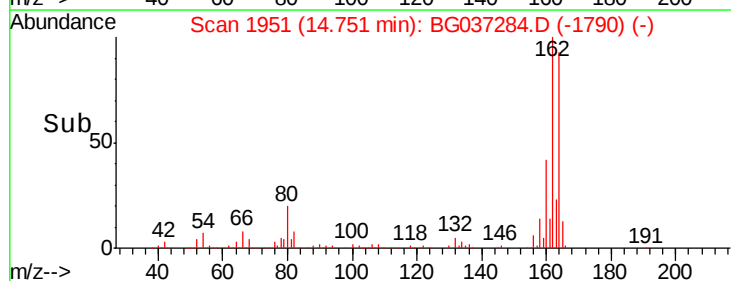
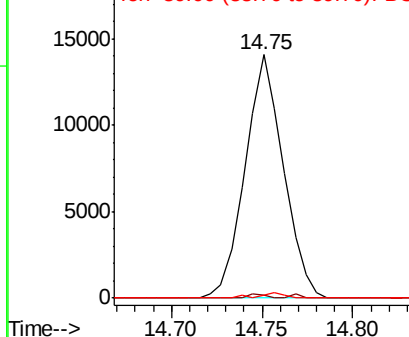
165 100

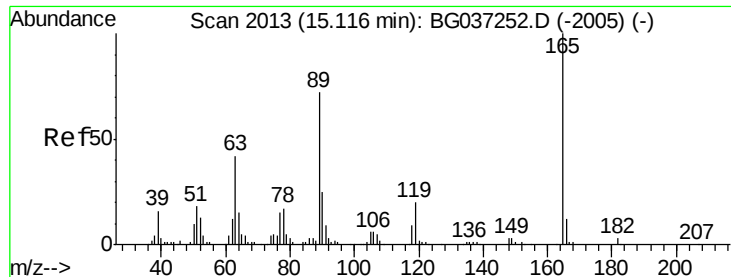
63 1.2 43.4 65.2#

89 1.2 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

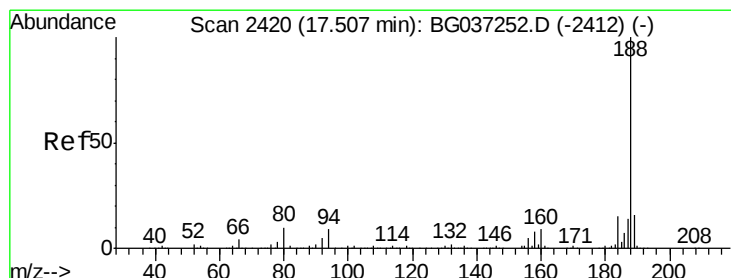
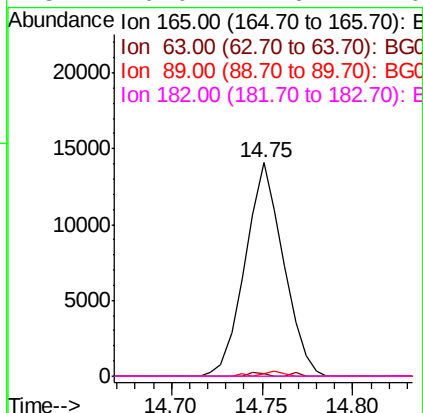
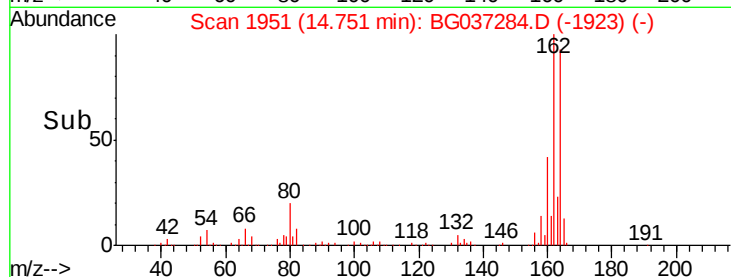
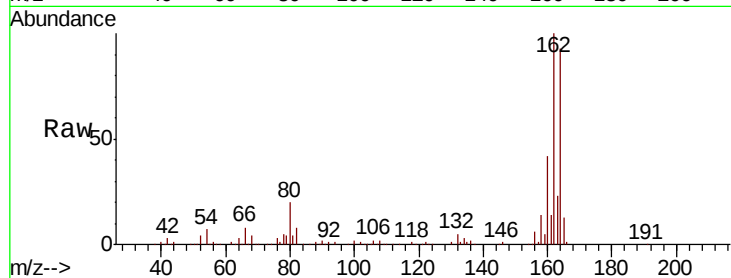




#57
2,4-Dinitrotoluene
Concen: 11.091 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.36 min
Lab File: BG037284.D
Acq: 12 Oct 2018 9:43

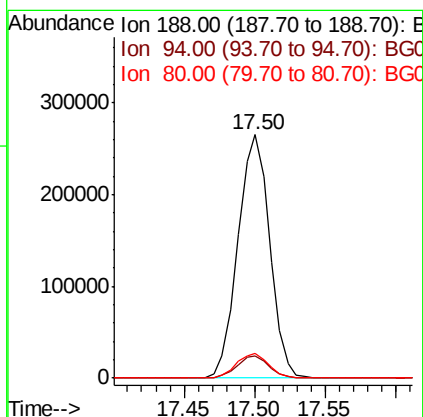
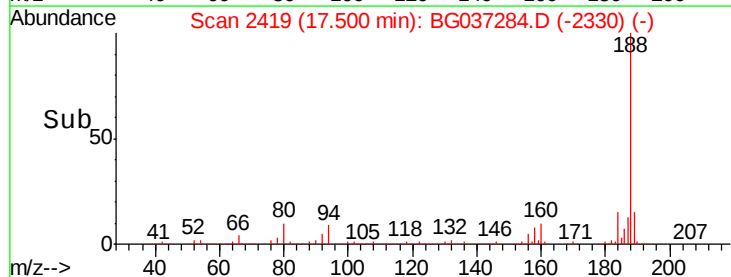
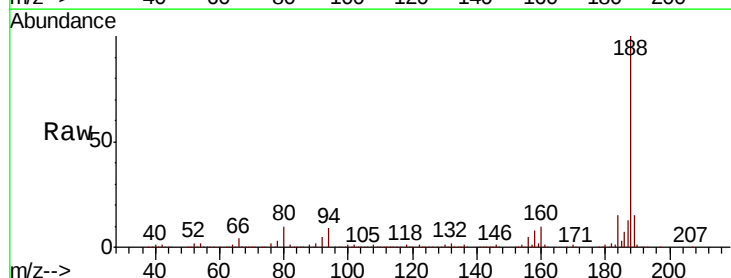
Instrument :
BNA_G
ClientSampleId :

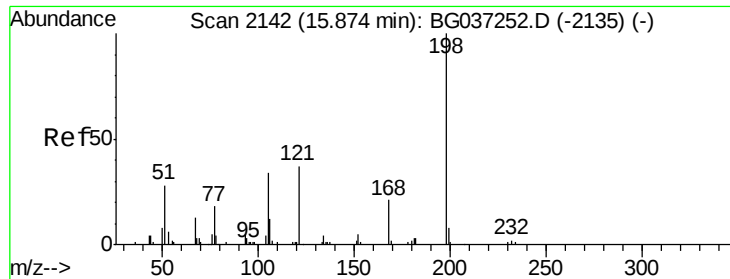
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.4	50.0#
89	1.2	57.2	85.8#
182	0.0	2.6	4.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG037284.D
Acq: 12 Oct 2018 9:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	10.4	7.7	11.5

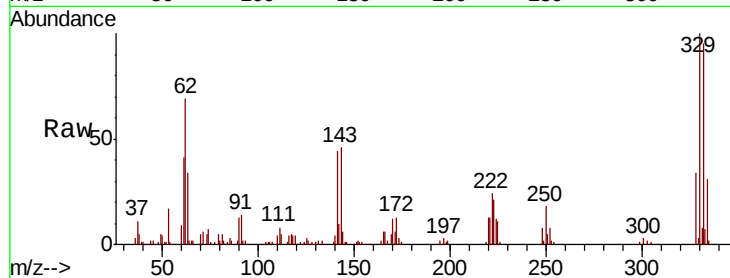




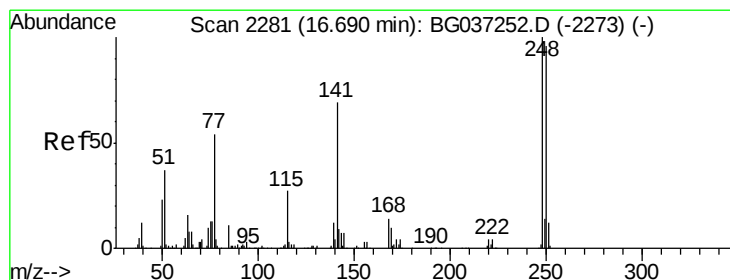
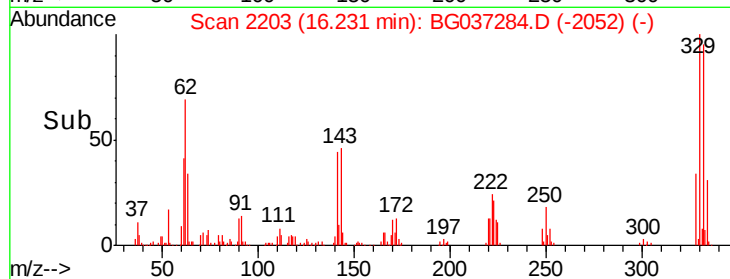
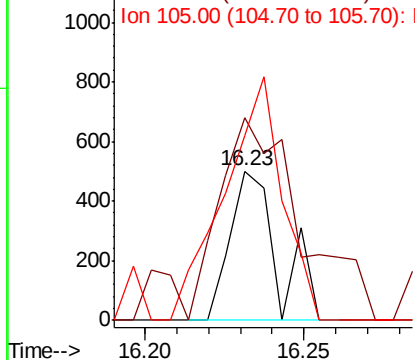
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.296 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG037284.D
 Acq: 12 Oct 2018 9:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 520
 Ion Ratio Lower Upper
 198 100
 51 32.5 22.7 62.7
 105 29.5 19.7 59.7

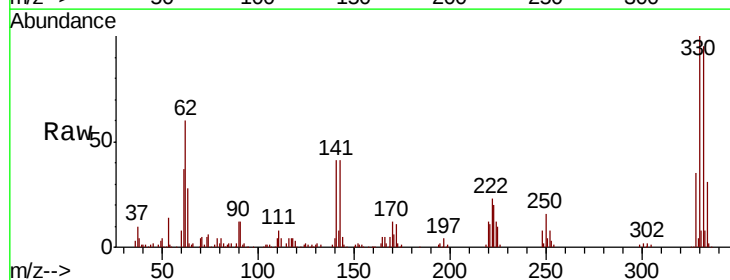


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

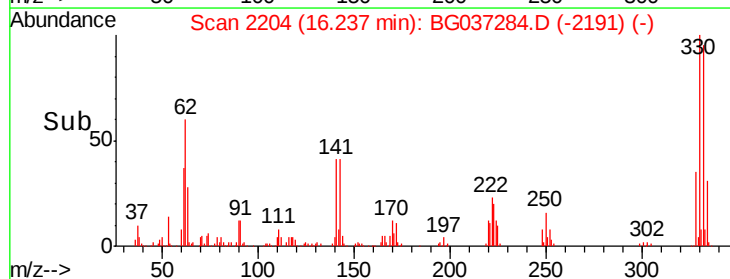
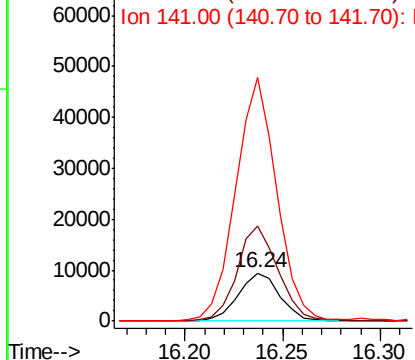


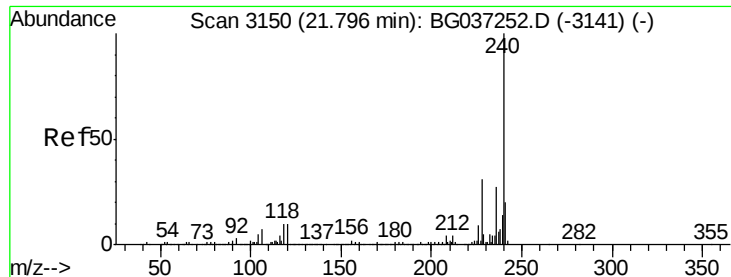
#67
 4-Bromophenyl-phenylether
 Concen: 3.062 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037284.D
 Acq: 12 Oct 2018 9:43

Tgt Ion:248 Resp: 13739
 Ion Ratio Lower Upper
 248 100
 250 189.2 77.0 115.6#
 141 390.7 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

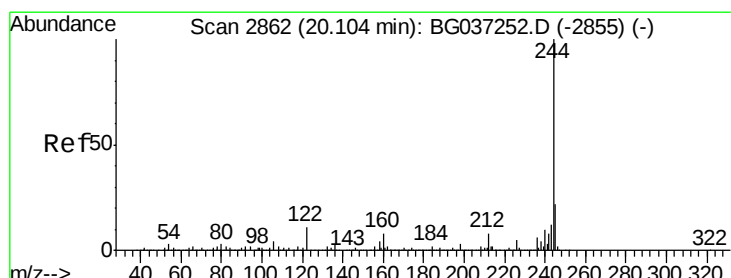
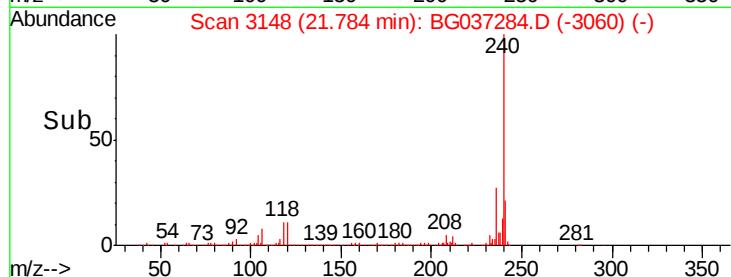
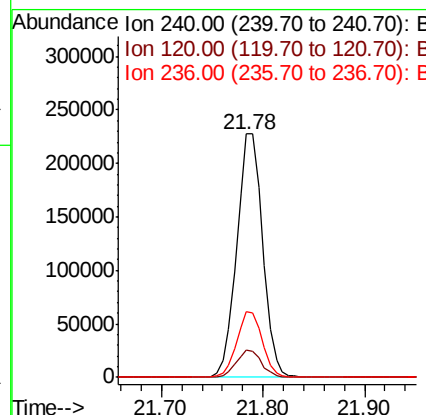
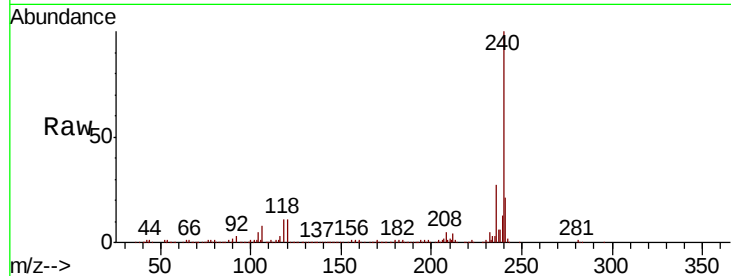




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG037284.D
 Acq: 12 Oct 2018 9:43

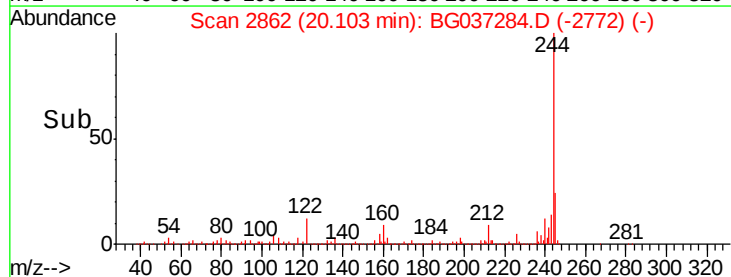
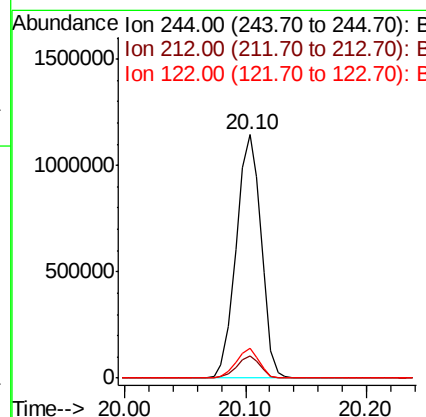
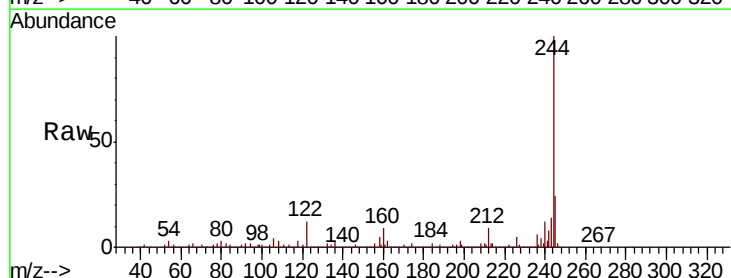
Instrument :
 BNA_G
 ClientSampleId :

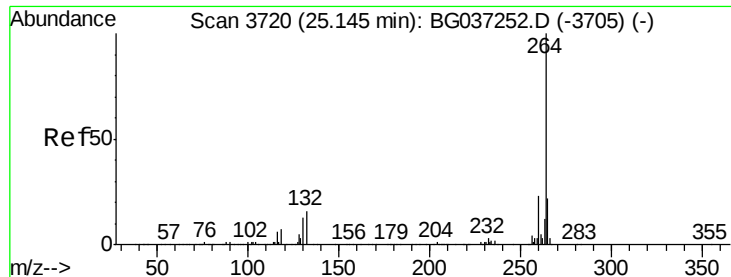
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.1	12.1
236	26.9	21.4	32.0



#79
 Terphenyl-d14
 Concen: 85.844 ng
 RT: 20.10 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BG037284.D
 Acq: 12 Oct 2018 9:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.5	9.7
122	12.0	9.0	13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.13 min Scan# 3718
 Delta R.T. -0.01 min
 Lab File: BG037284.D
 Acq: 12 Oct 2018 9:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.0	17.9	26.9

