

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101118\
 Data File : BG037282.D
 Acq On : 12 Oct 2018 8:25
 Operator : JU/SJ
 Sample : J5371-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 11:12:46 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

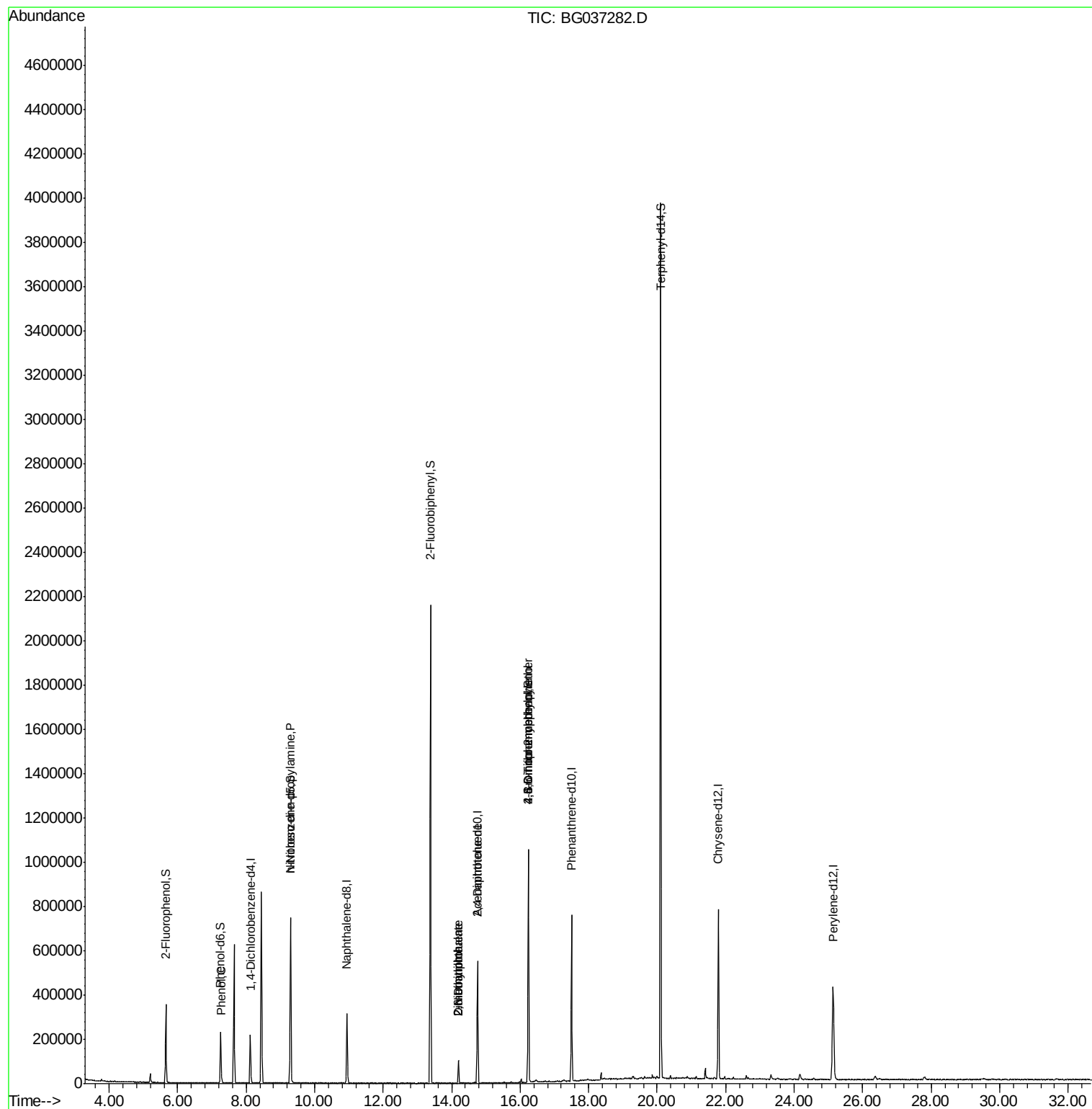
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	65460	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	281849	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	193845	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	473231	20.00	ng	0.00
76) Chrysene-d12	21.79	240	460308	20.00	ng	0.00
87) Perylene-d12	25.14	264	477534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	155838	41.90	ng	0.00
7) Phenol-d6	7.25	99	142413	25.23	ng	0.00
23) Nitrobenzene-d5	9.30	82	457986	106.83	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	196898	103.57	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1160520	89.91	ng	0.00
79) Terphenyl-d14	20.10	244	1841404	84.00	ng	0.00
Target Compounds						
10) Phenol	7.27	94	14872	2.501	ng	95
19) n-Nitroso-di-n-propylamine	9.30	70	58442	13.673	ng	# 77
48) 2-Nitroaniline	14.20	65	711	5.947	ng	# 1
50) Dimethylphthalate	14.20	163	73668	4.836	ng	97
51) 2,6-Dinitrotoluene	14.20	165	820	5.060	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	24482	11.143	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.24	198	701	6.360	ng	# 73
67) 4-Bromophenyl-phenylether	16.24	248	15036	2.944	ng	# 1

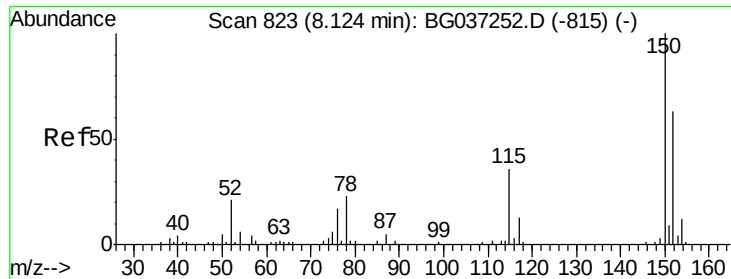
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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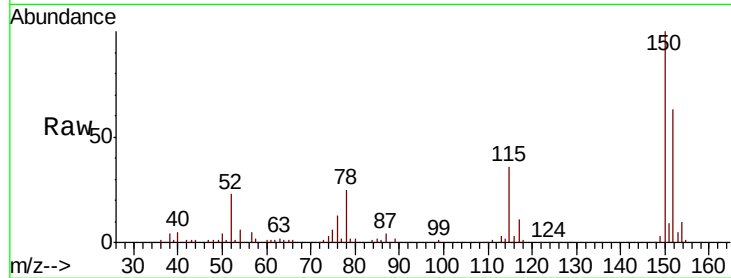


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG037282.D
Acq: 12 Oct 2018 8:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.0	189.0
115	56.4	45.5	68.3

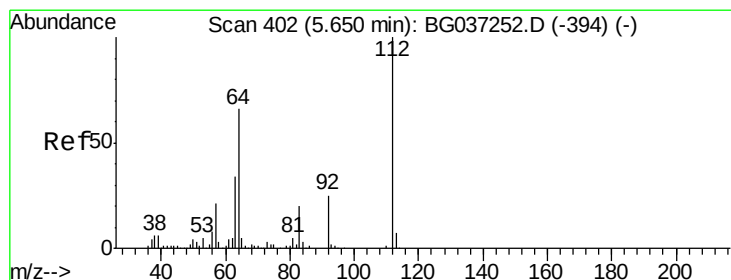
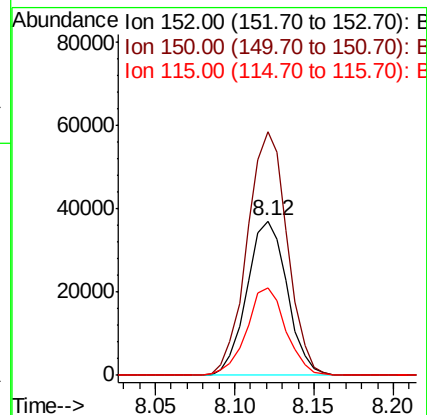
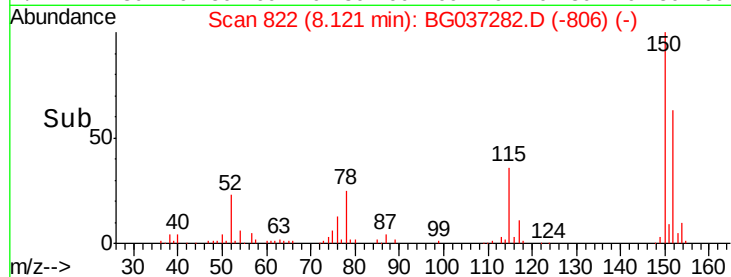


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

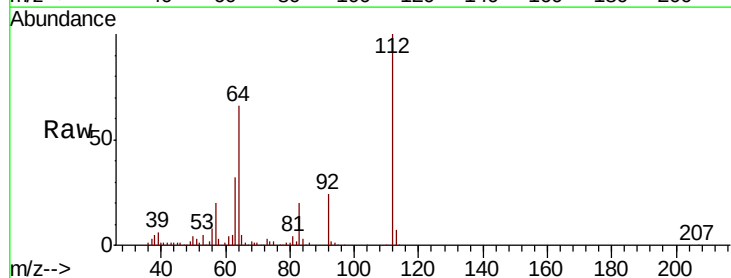
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.897 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037282.D
Acq: 12 Oct 2018 8:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.1	79.7
63	32.1	27.3	40.9

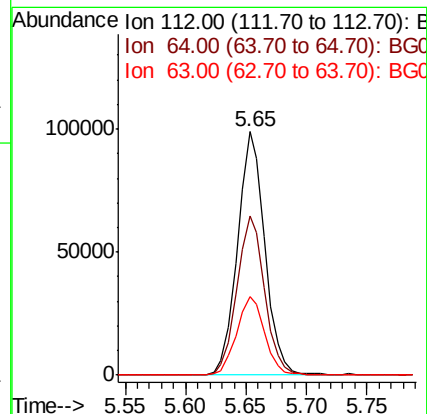
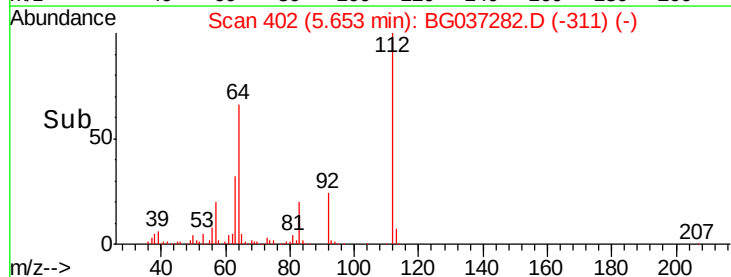


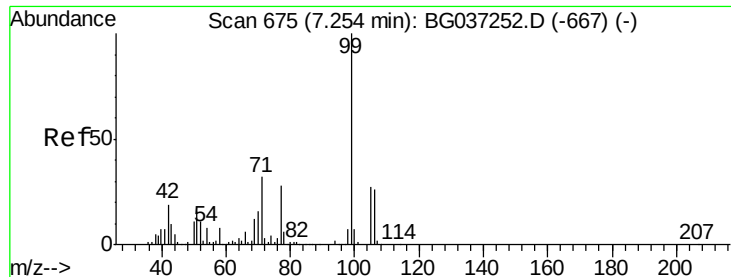
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 25.225 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

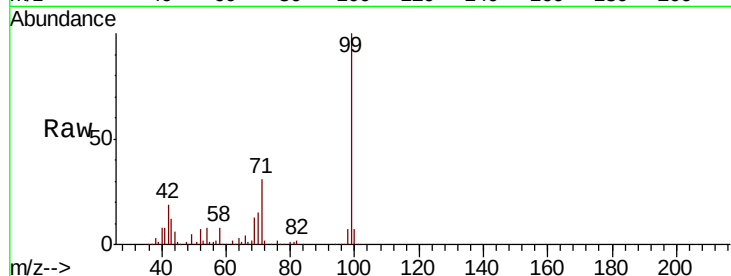
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 142413

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	31.4	25.5	38.3

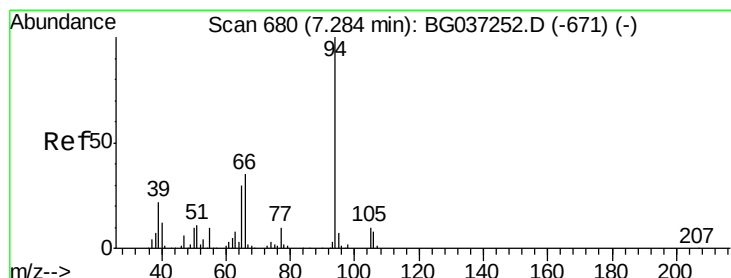
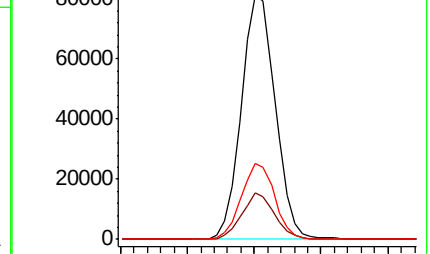
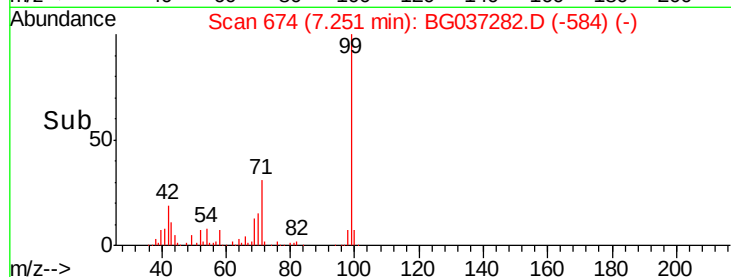


Abundance

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: 2.501 ng

RT: 7.27 min Scan# 678

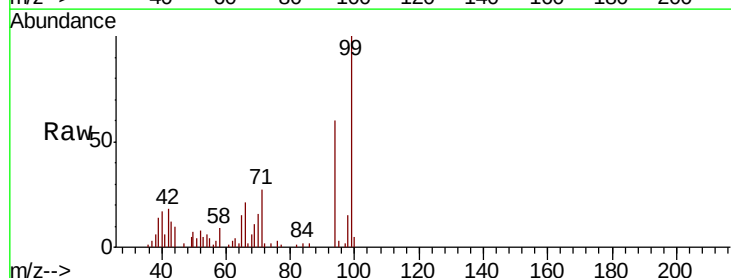
Delta R.T. -0.01 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

Tgt Ion: 94 Resp: 14872

Ion	Ratio	Lower	Upper
94	100		
65	24.4	9.7	49.7
66	36.0	15.9	55.9

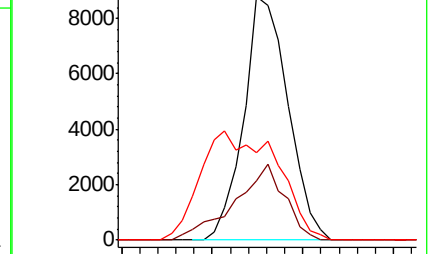
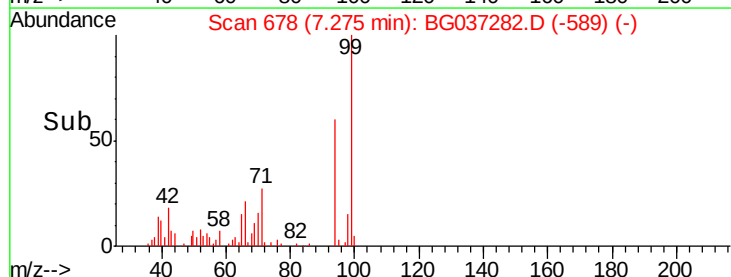


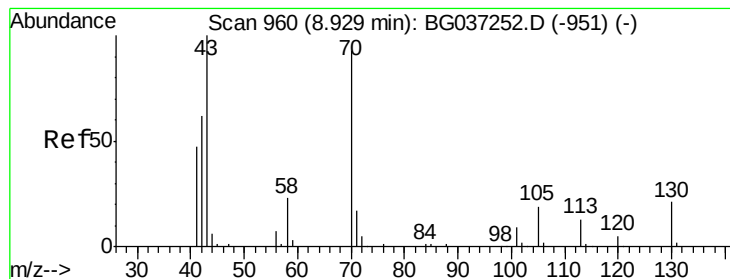
Abundance

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: 13.673 ng

RT: 9.30 min Scan# 1022

Delta R.T. 0.37 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 58442

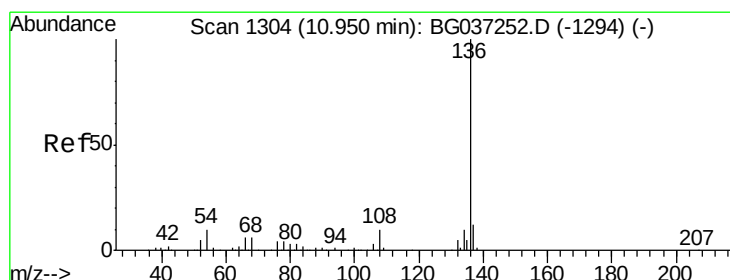
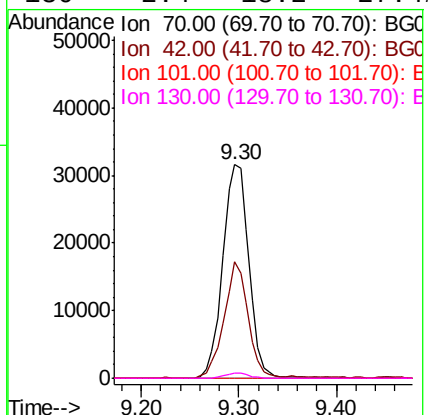
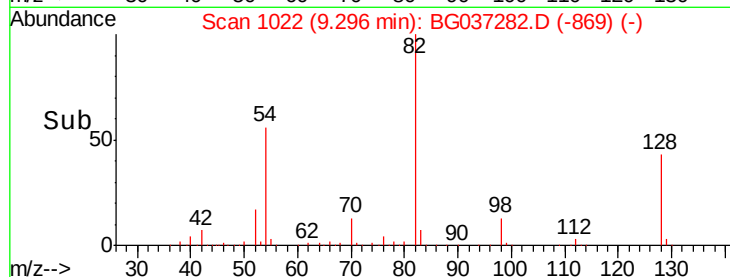
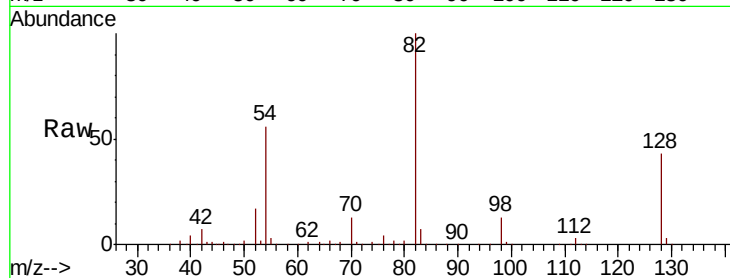
Ion Ratio Lower Upper

70 100

42 54.8 53.9 80.9

101 0.0 8.2 12.2#

130 2.4 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: BG037282.D

Acq: 12 Oct 2018 8:25

Tgt Ion: 136 Resp: 281849

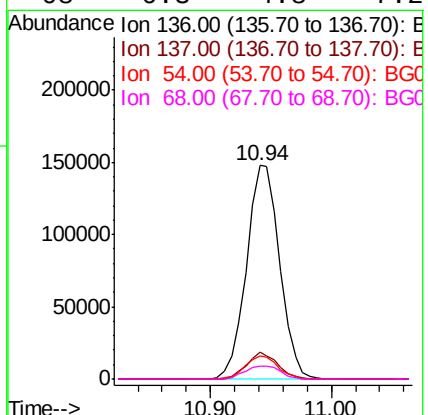
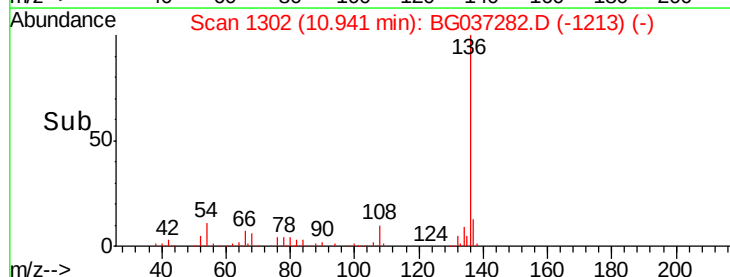
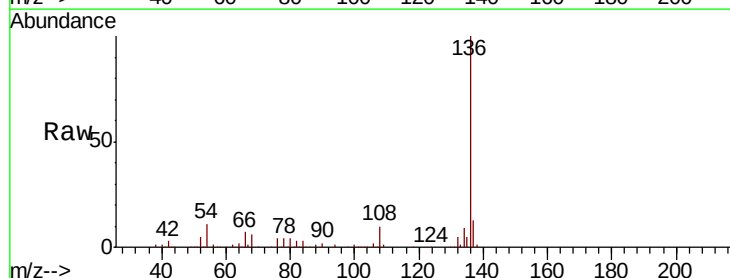
Ion Ratio Lower Upper

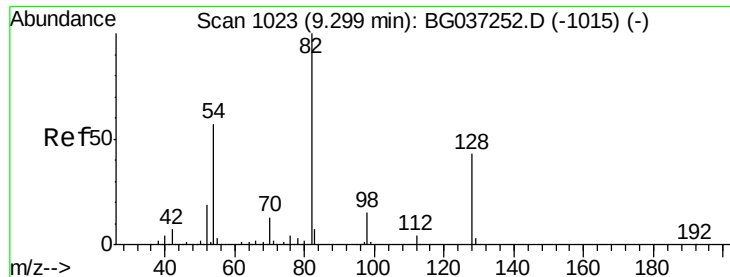
136 100

137 12.6 9.6 14.4

54 10.8 7.9 11.9

68 6.3 4.8 7.2

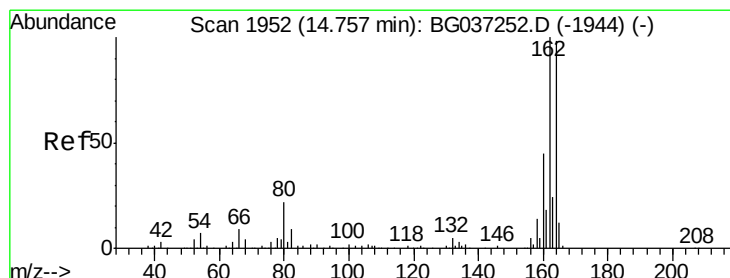
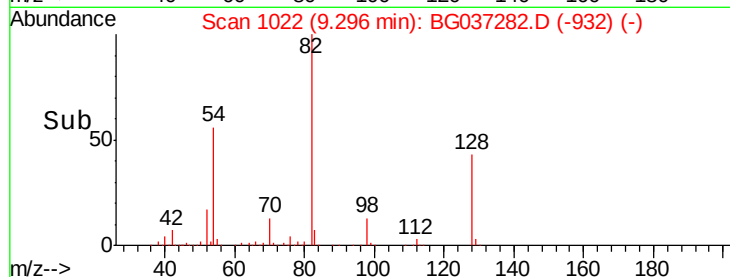
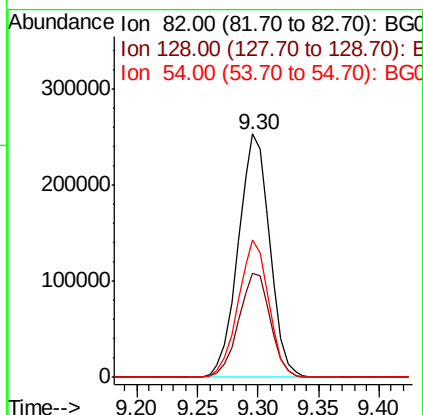
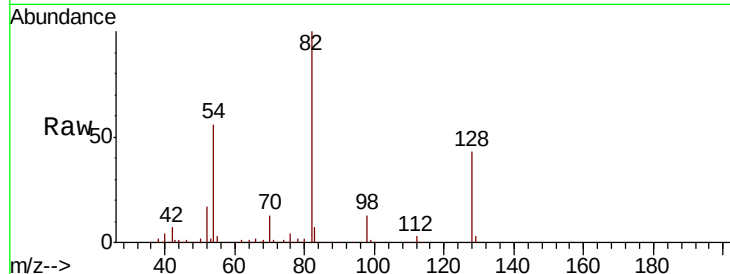




#23
 Nitrobenzene-d5
 Concen: 106.831 ng
 RT: 9.30 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BG037282.D
 Acq: 12 Oct 2018 8:25

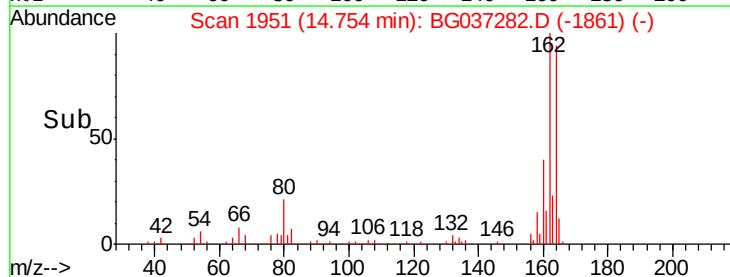
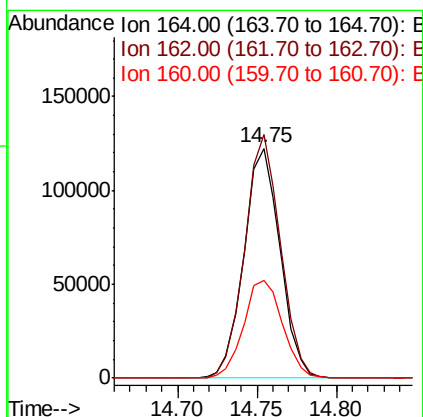
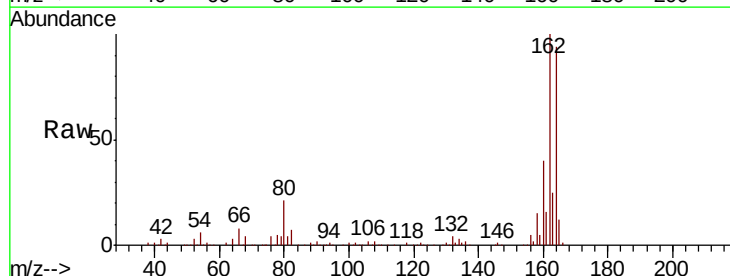
Instrument :
 BNA_G
 ClientSampleId :

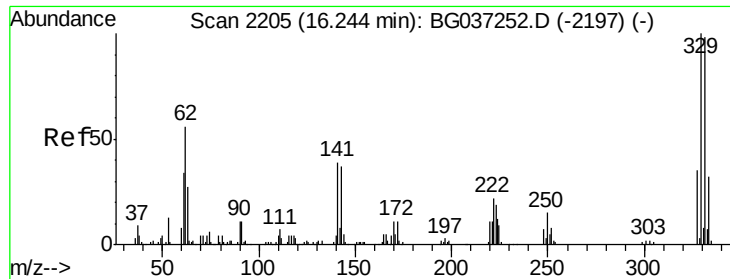
Tot Ion	82	Resp	457986
Ion Ratio	Lower	Upper	
82	100		
128	42.7	34.6	51.8
54	56.4	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: BG037282.D
 Acq: 12 Oct 2018 8:25

Tgt Ion	164	Resp	193845
Ion Ratio	Lower	Upper	
164	100		
162	106.1	81.3	121.9
160	42.6	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 103.572 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

Instrument :

BNA_G

ClientSampleId :

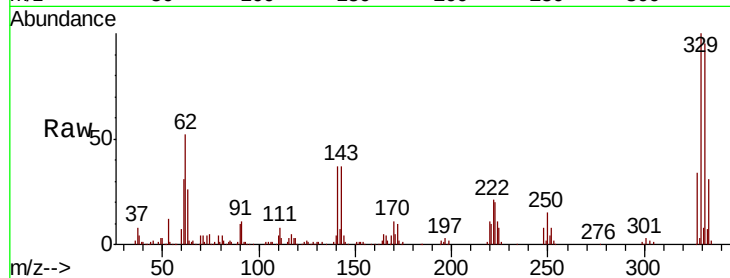
Tot Ion:330 Resp: 196898

Ion Ratio Lower Upper

330 100

332 94.7 78.4 117.6

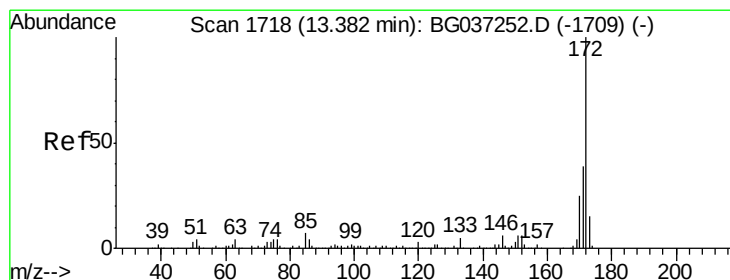
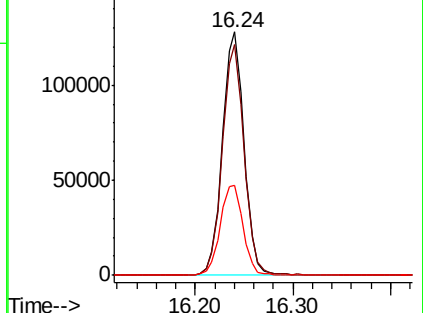
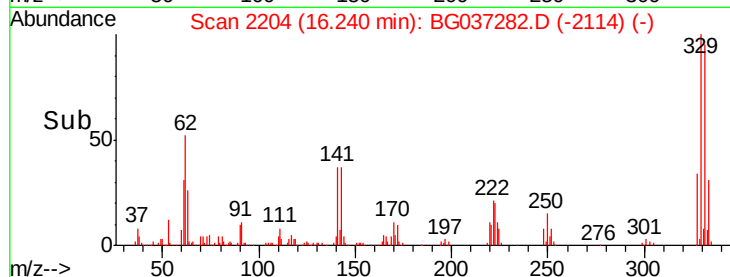
141 38.9 32.2 48.2



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: 89.908 ng

RT: 13.38 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

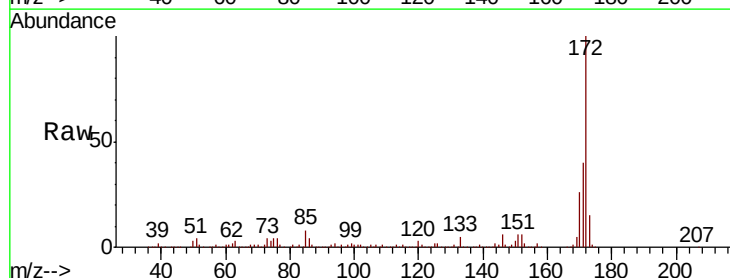
Tgt Ion:172 Resp: 1160520

Ion Ratio Lower Upper

172 100

171 39.6 31.0 46.4

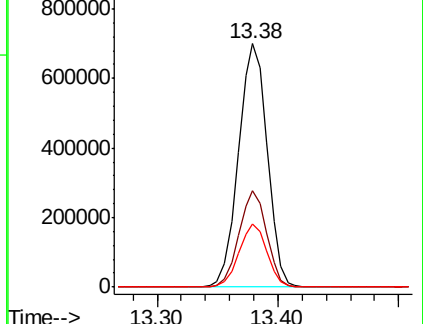
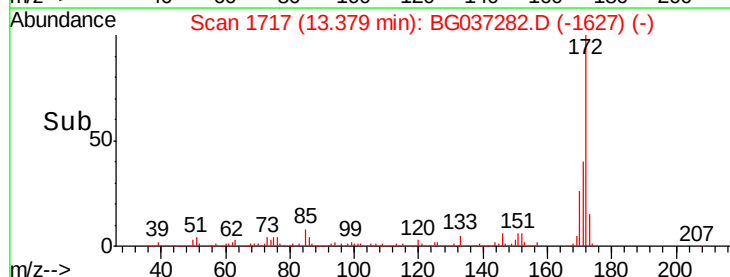
170 25.8 20.2 30.2

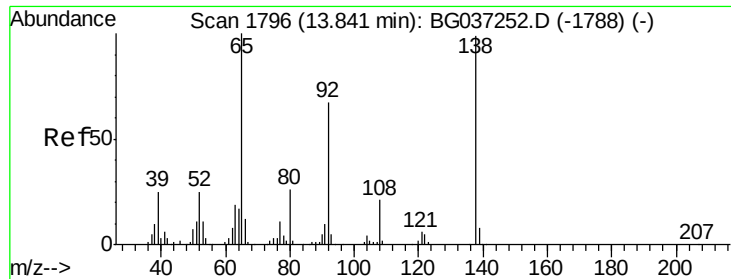


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 5.947 ng

RT: 14.20 min Scan# 1856

Delta R.T. 0.36 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

Instrument :

BNA_G

ClientSampled :

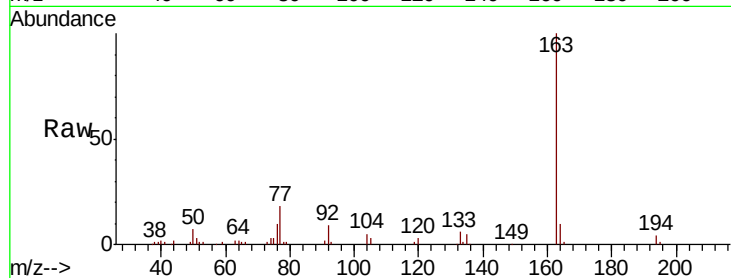
Tot Ion: 65 Resp: 711

Ion Ratio Lower Upper

65 100

92 897.6 53.2 79.8#

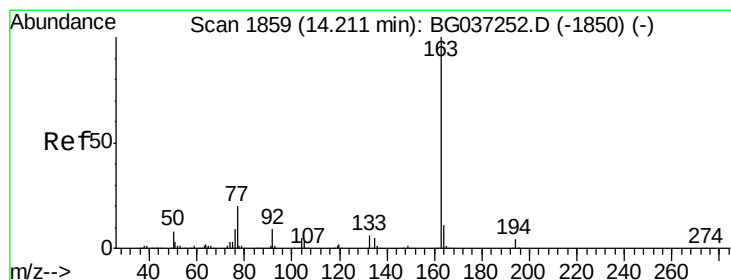
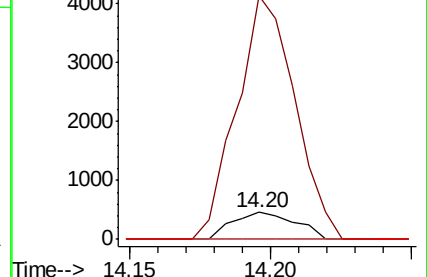
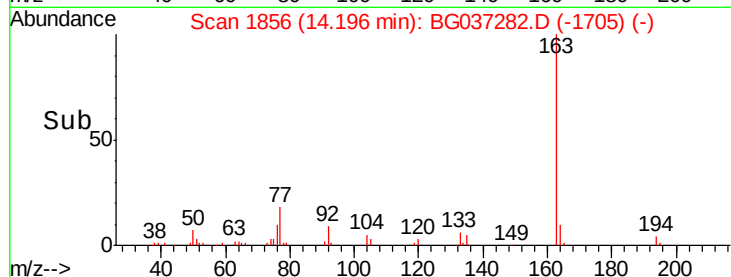
138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BG037252.D (-1788) (-)

Ion 92.00 (91.70 to 92.70): BG037252.D (-1788) (-)

Ion 138.00 (137.70 to 138.70): BG037252.D (-1788) (-)



#50

Dimethylphthalate

Concen: 4.836 ng

RT: 14.20 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

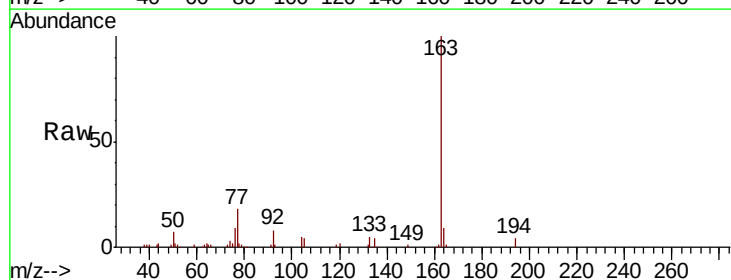
Tgt Ion: 163 Resp: 73668

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

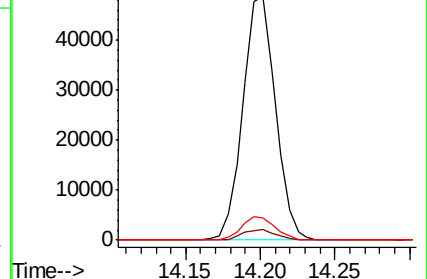
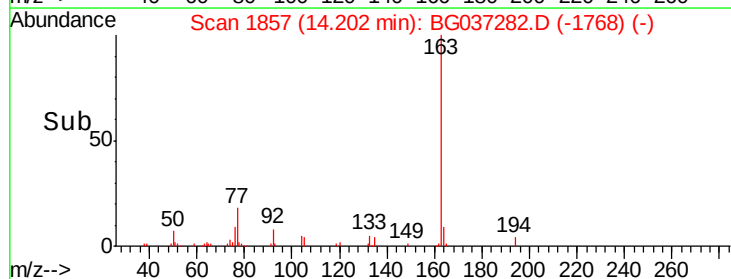
164 9.3 8.5 12.7

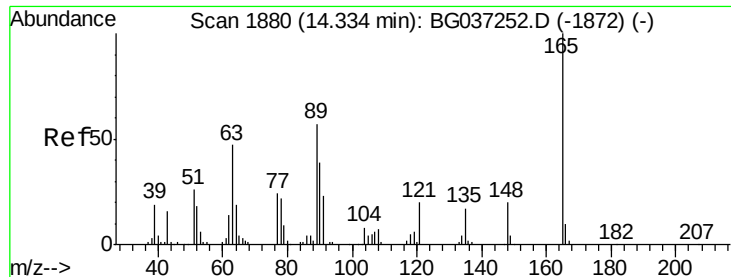


Abundance Ion 163.00 (162.70 to 163.70): BG037252.D (-1850) (-)

Ion 194.00 (193.70 to 194.70): BG037252.D (-1850) (-)

Ion 164.00 (163.70 to 164.70): BG037252.D (-1850) (-)





#51

2,6-Dinitrotoluene

Concen: 5.060 ng

RT: 14.20 min Scan# 1857

Delta R.T. -0.13 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

Instrument :

BNA_G

ClientSampled :

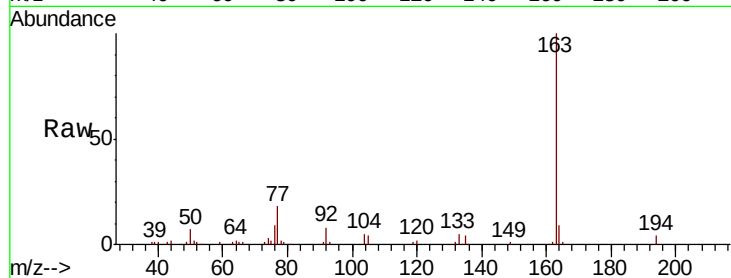
Tot Ion:165 Resp: 820

Ion Ratio Lower Upper

165 100

63 105.7 43.4 65.2#

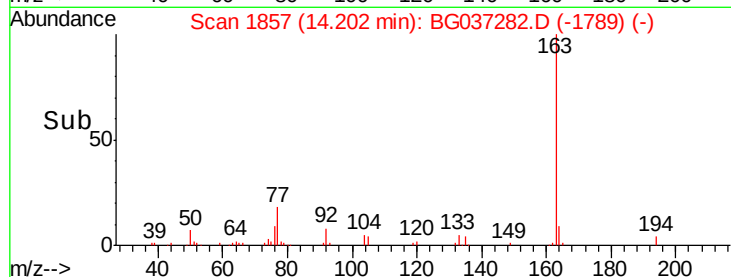
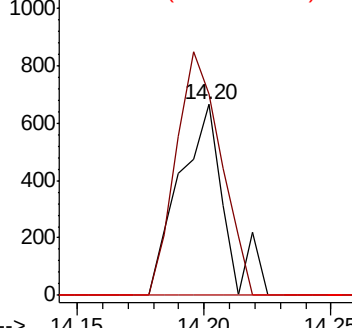
89 0.0 45.8 68.6#



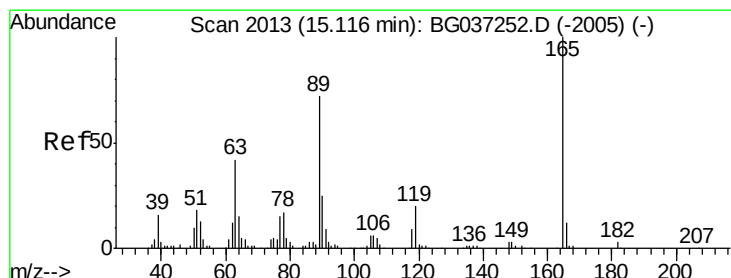
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#57

2,4-Dinitrotoluene

Concen: 11.143 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.36 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

Tgt Ion:165 Resp: 24482

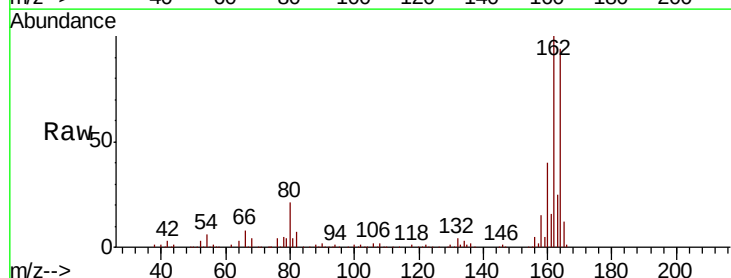
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 1.6 57.2 85.8#

182 0.0 2.6 4.0#

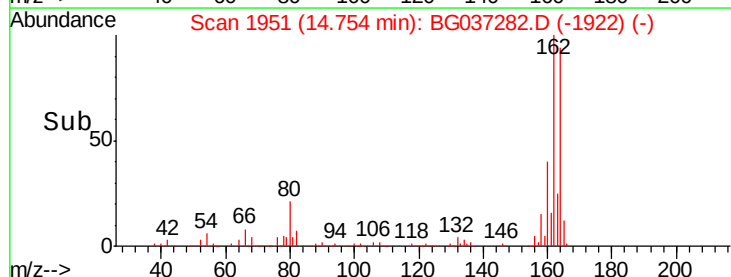
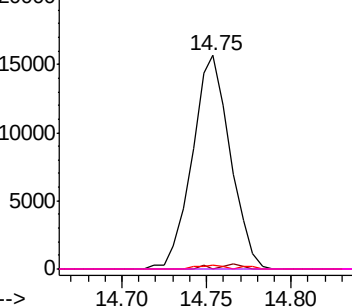


Abundance Ion 165.00 (164.70 to 165.70): E

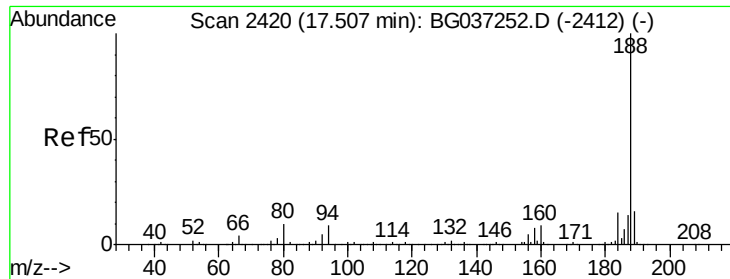
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



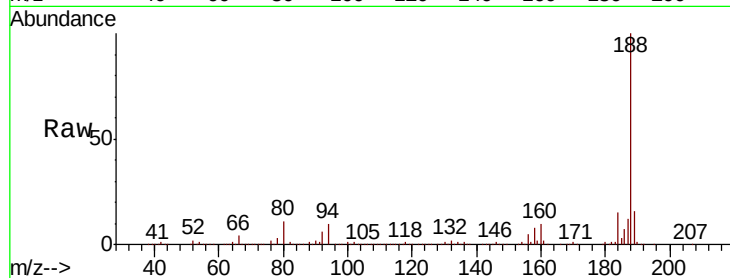
Time-->



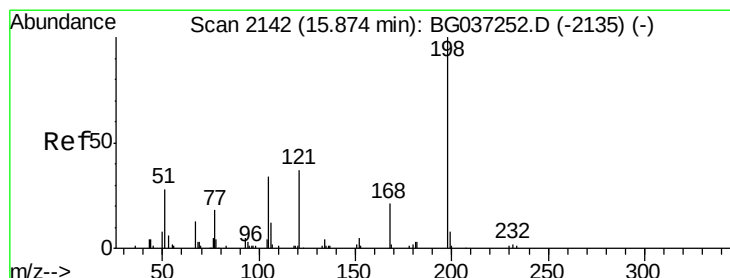
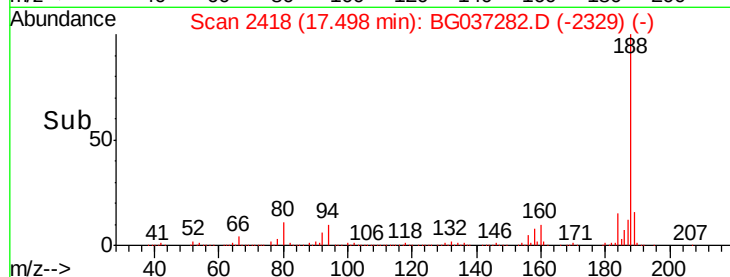
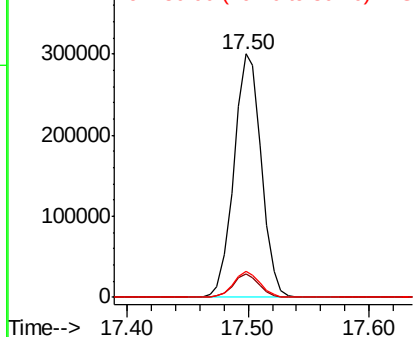
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG037282.D
 Acq: 12 Oct 2018 8:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 473231
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.2 10.8
 80 10.7 7.7 11.5

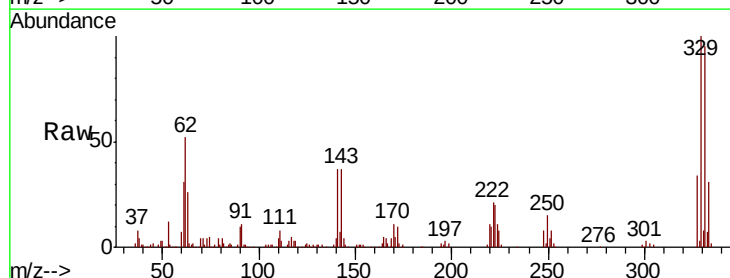


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

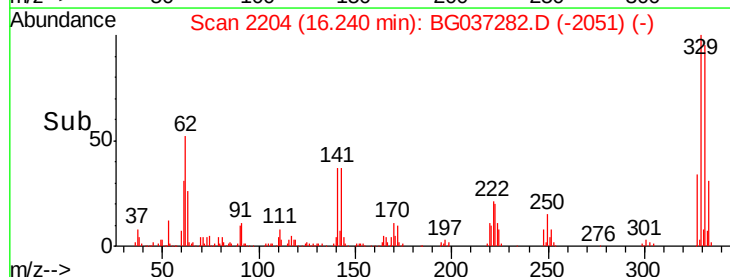
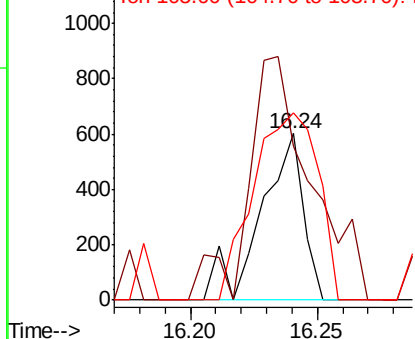


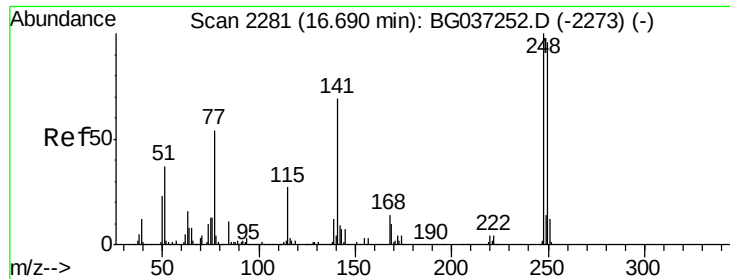
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.360 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. 0.37 min
 Lab File: BG037282.D
 Acq: 12 Oct 2018 8:25

Tgt Ion:198 Resp: 701
 Ion Ratio Lower Upper
 198 100
 51 21.9 22.7 62.7#
 105 26.5 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

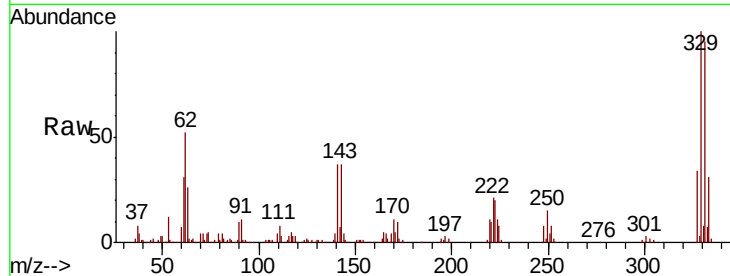




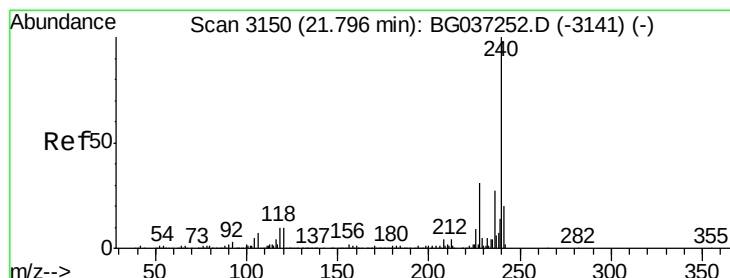
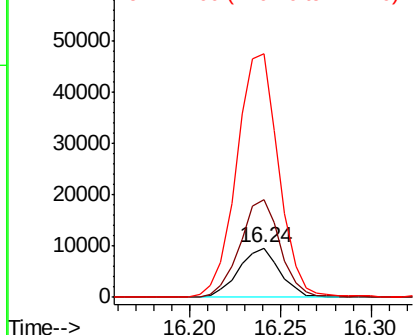
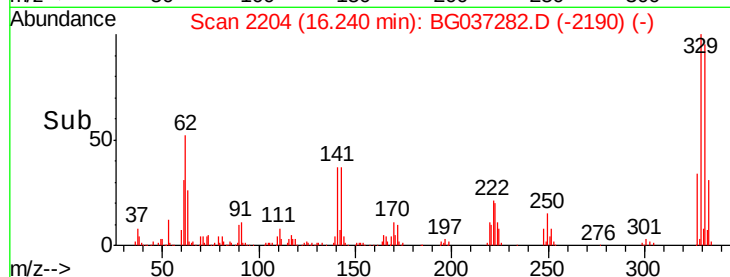
#67
 4-Bromophenyl-phenylether
 Concen: 2.944 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037282.D
 Acq: 12 Oct 2018 8:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15036
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.0 115.6#
 141 381.1 55.5 83.3#

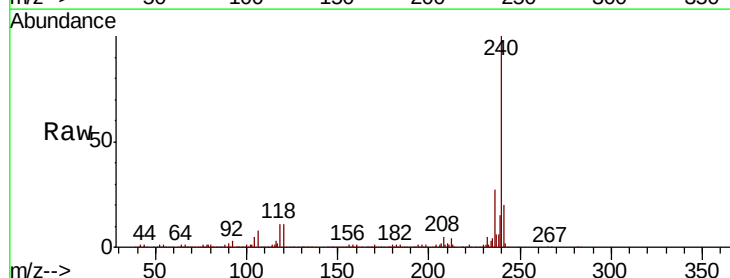


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

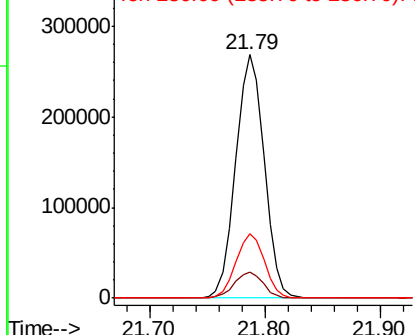
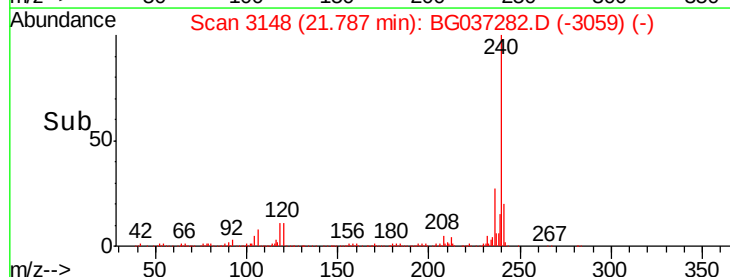


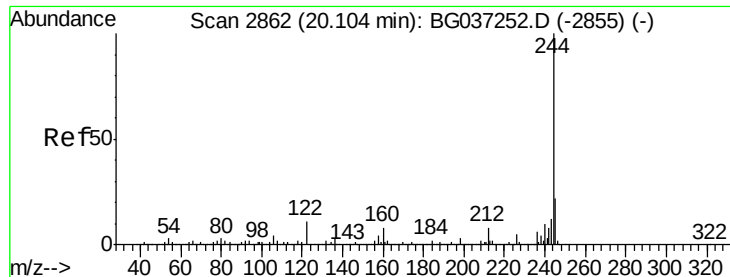
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG037282.D
 Acq: 12 Oct 2018 8:25

Tgt Ion:240 Resp: 460308
 Ion Ratio Lower Upper
 240 100
 120 10.8 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: 83.998 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

Instrument :

BNA_G

ClientSampleId :

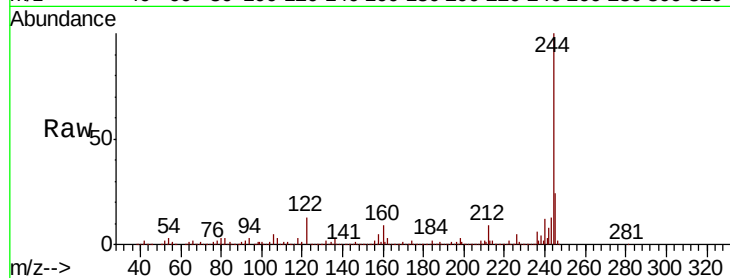
Tot Ion:244 Resp: 1841404

Ion Ratio Lower Upper

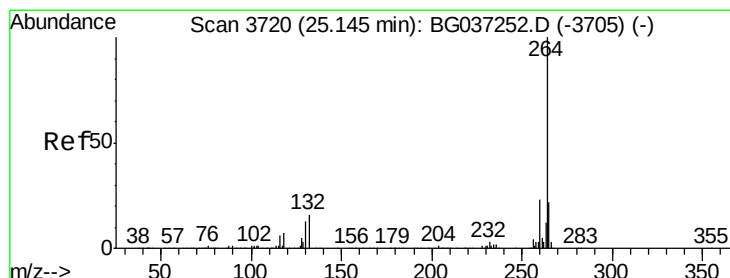
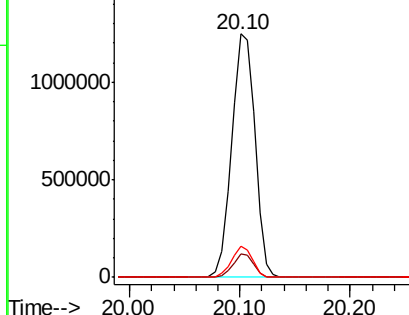
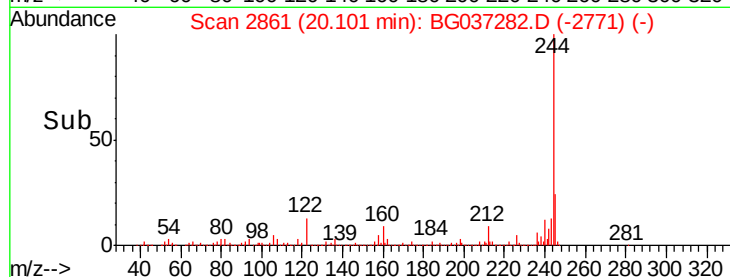
244 100

212 9.4 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: 25.14 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG037282.D

Acq: 12 Oct 2018 8:25

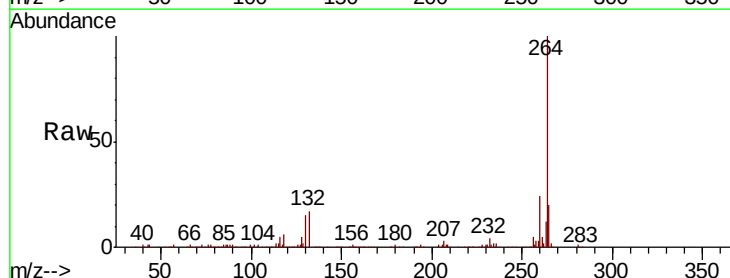
Tgt Ion:264 Resp: 477534

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 20.4 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

