

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\
 Data File : BG037639.D
 Acq On : 30 Oct 2018 1:39
 Operator : JU/SJ
 Sample : J5649-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 05:47:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

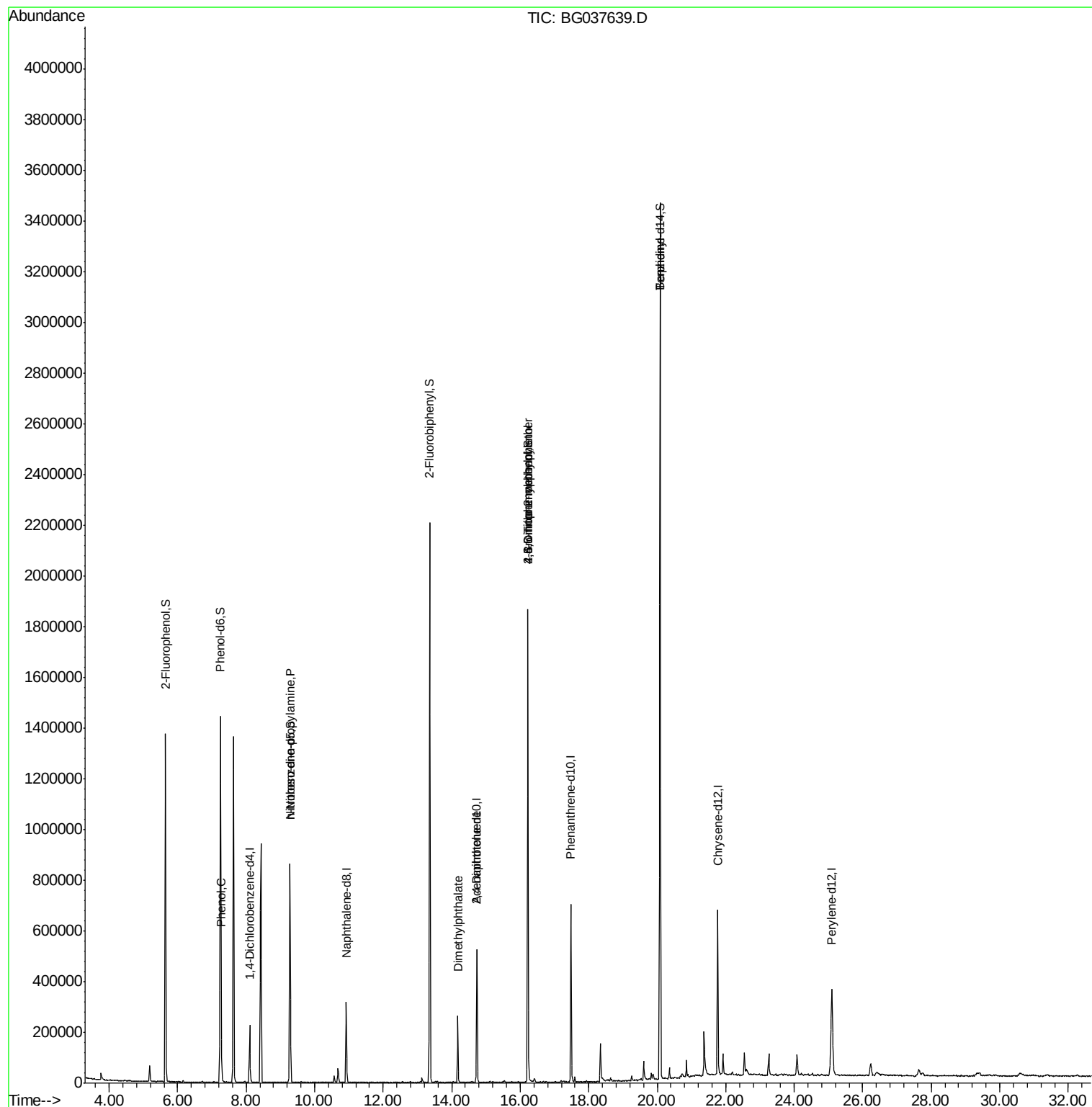
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	67491	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	284997	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	190499	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	441970	20.00	ng	0.00
76) Chrysene-d12	21.76	240	391696	20.00	ng	-0.01
87) Perylene-d12	25.10	264	398374	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	618209	153.14	ng	0.00
7) Phenol-d6	7.25	99	923304	151.25	ng	0.00
23) Nitrobenzene-d5	9.28	82	545179	107.16	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	330713	159.17	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1206411	95.50	ng	-0.01
79) Terphenyl-d14	20.08	244	1640556	89.50	ng	0.00
Target Compounds						
10) Phenol	7.28	94	93409	14.503	ng	Qvalue 100
19) n-Nitroso-di-n-propylamine	9.28	70	70057	16.666	ng	# 71
50) Dimethylphthalate	14.18	163	182649	12.394	ng	99
57) 2,4-Dinitrotoluene	14.73	165	25031	5.849	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	1115	8.903	ng	83
67) 4-Bromophenyl-phenylether	16.22	248	25049	5.161	ng	# 1
77) Benzidine	20.08	184	27745	2.083	ng	# 91

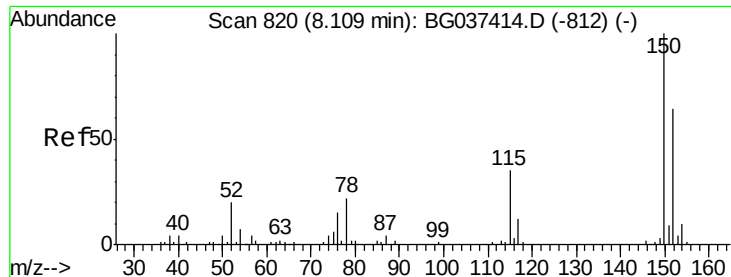
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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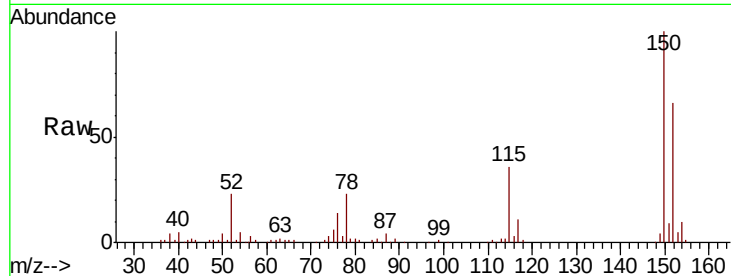


#1

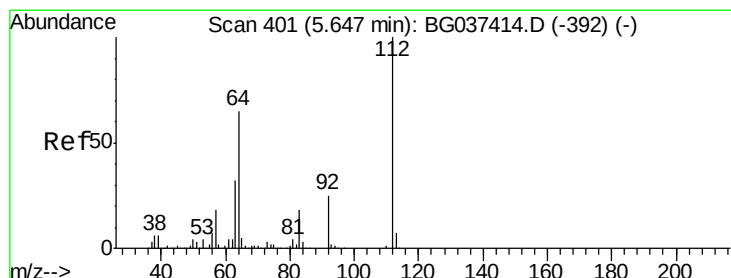
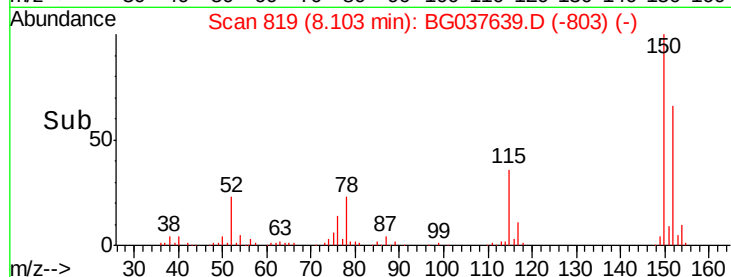
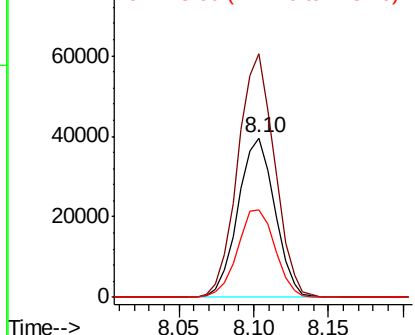
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037639.D
Acq: 30 Oct 2018 1:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 67491
Ion Ratio Lower Upper
152 100
150 152.7 126.0 189.0
115 54.9 45.5 68.3



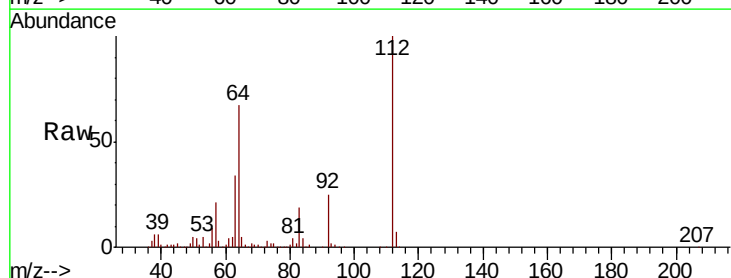
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



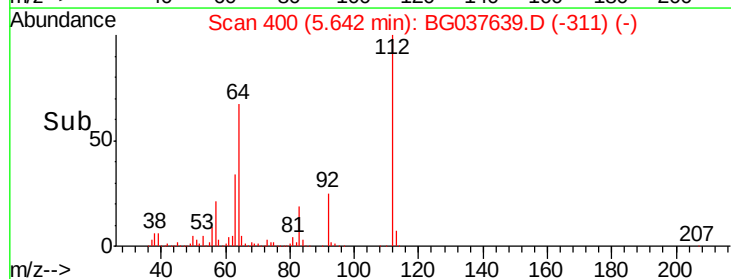
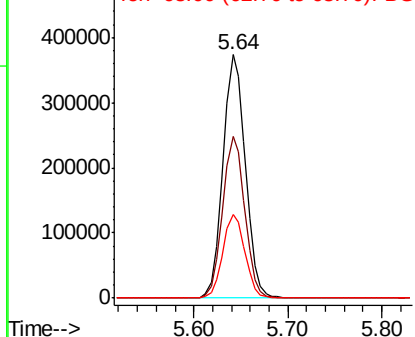
#5

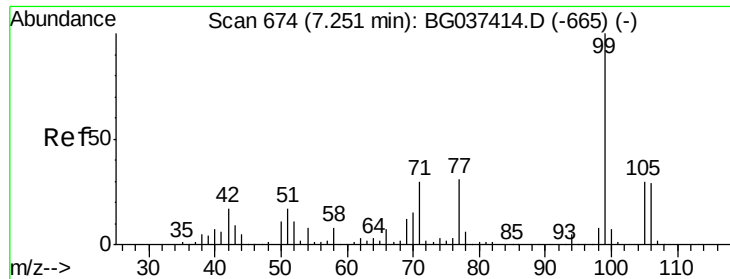
2-Fluorophenol
Concen: 153.140 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037639.D
Acq: 30 Oct 2018 1:39

Tgt Ion:112 Resp: 618209
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 34.4 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: 151.255 ng

RT: 7.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

Instrument :

BNA_G

ClientSampleId :

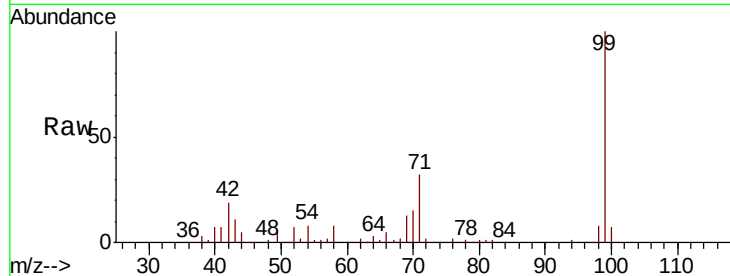
Tot Ion: 99 Resp: 923304

Ion Ratio Lower Upper

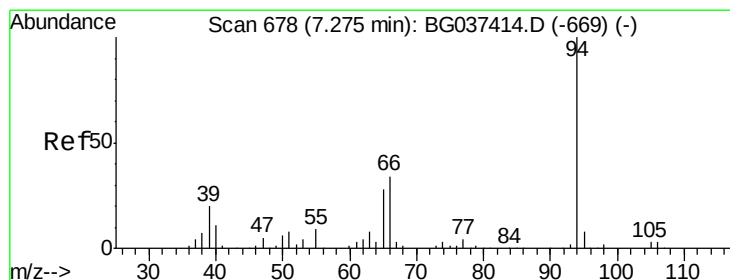
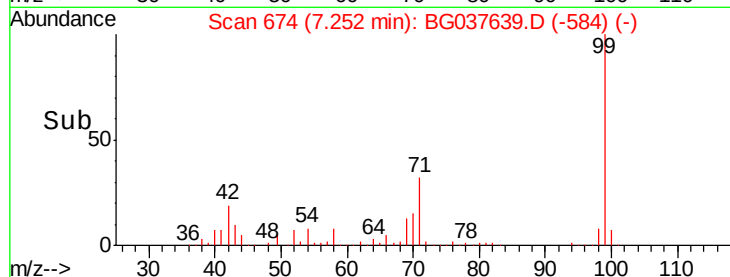
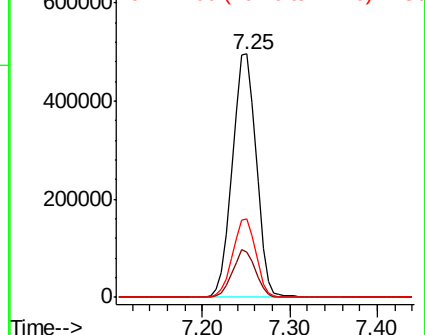
99 100

42 18.7 15.0 22.4

71 32.2 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: 14.503 ng

RT: 7.28 min Scan# 678

Delta R.T. 0.00 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

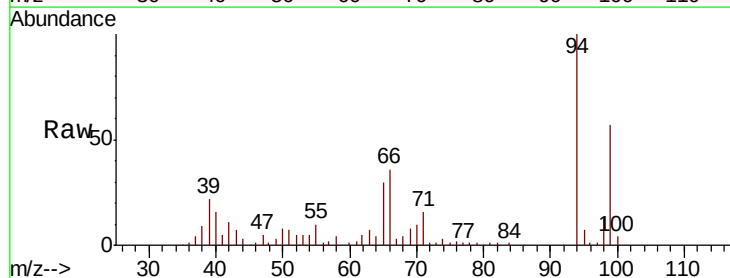
Tgt Ion: 94 Resp: 93409

Ion Ratio Lower Upper

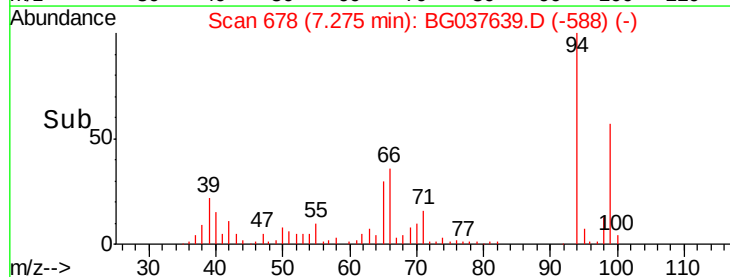
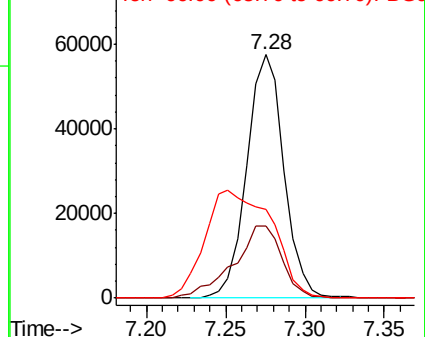
94 100

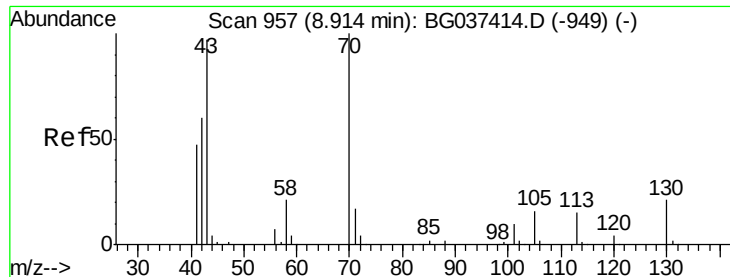
65 29.6 9.7 49.7

66 36.4 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: 16.666 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 70057

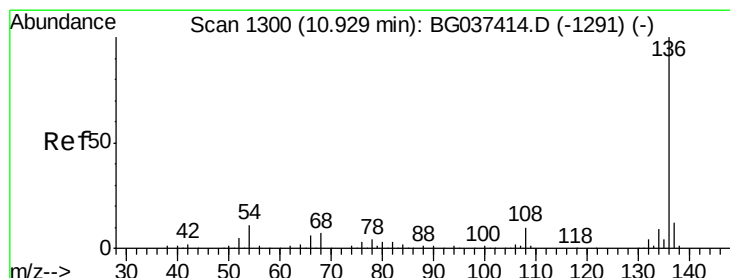
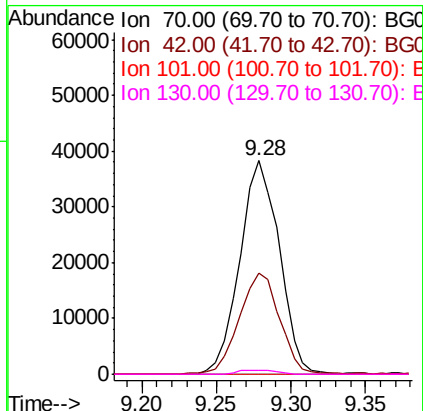
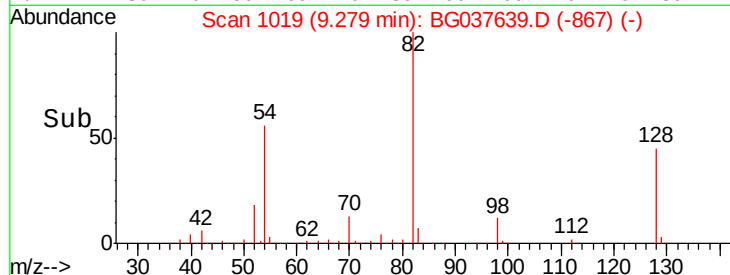
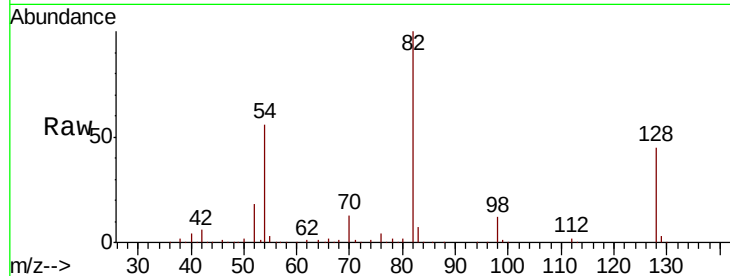
Ion Ratio Lower Upper

70 100

42 47.2 53.9 80.9#

101 0.0 8.2 12.2#

130 1.9 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

Tgt Ion: 136 Resp: 284997

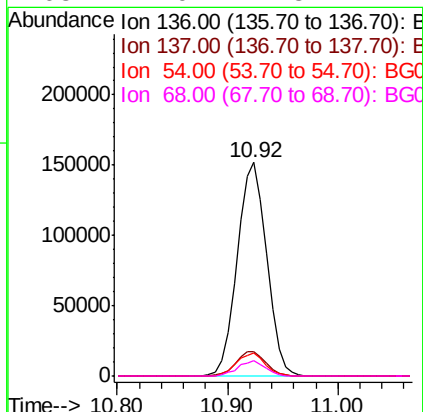
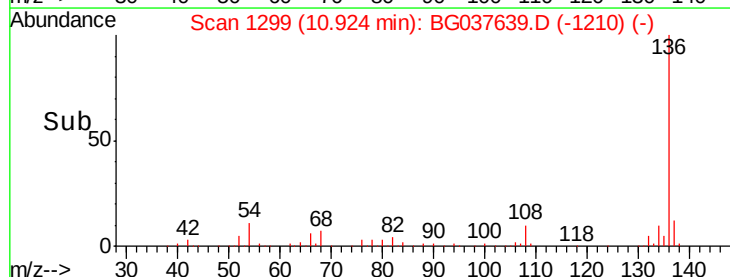
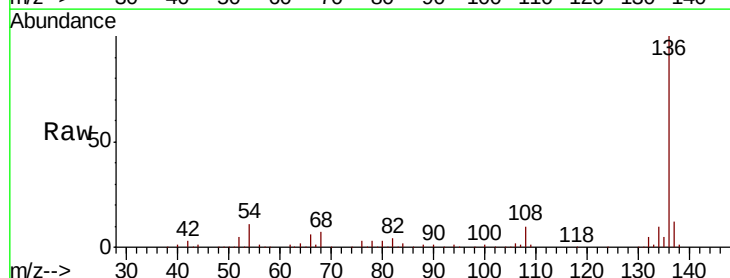
Ion Ratio Lower Upper

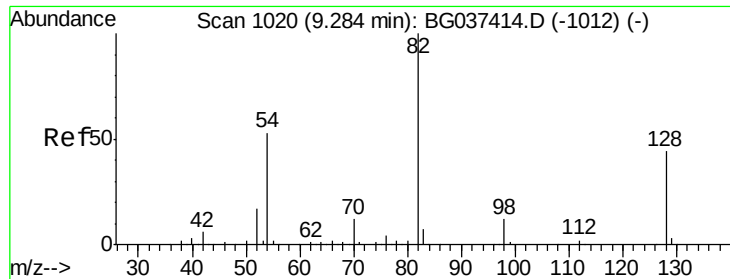
136 100

137 11.7 9.6 14.4

54 11.0 7.9 11.9

68 7.0 4.8 7.2

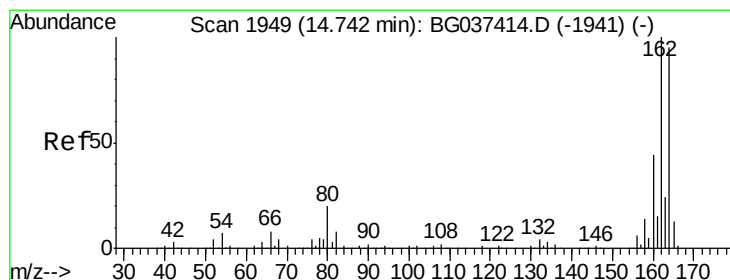
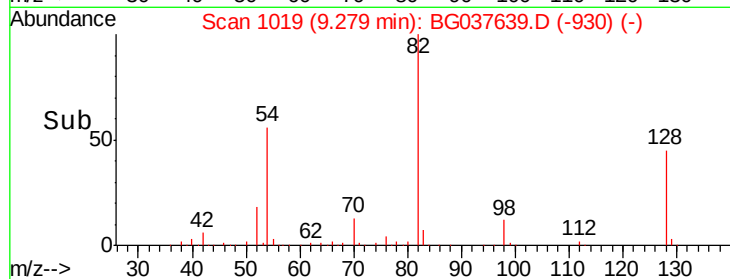
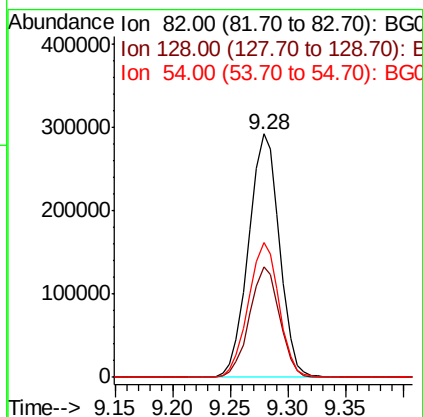
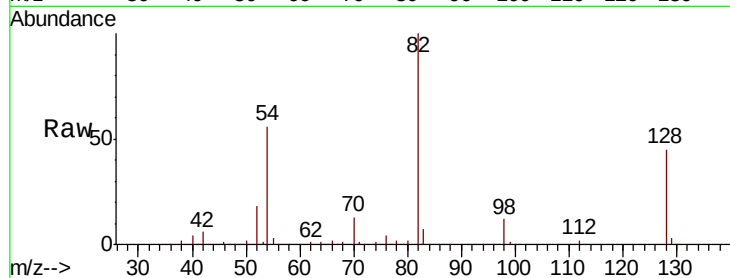




#23
 Nitrobenzene-d5
 Concen: 107.160 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037639.D
 Acq: 30 Oct 2018 1:39

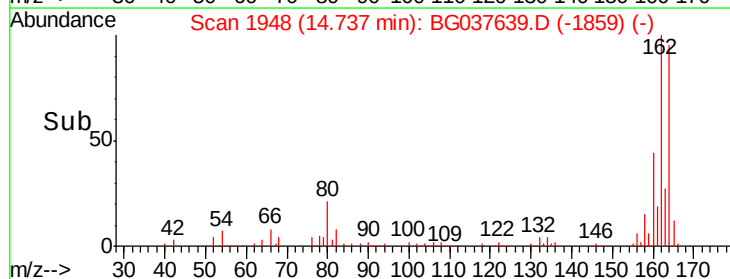
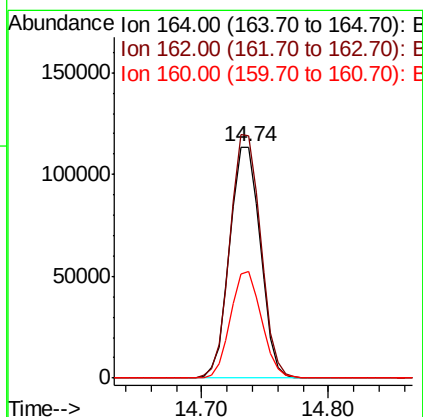
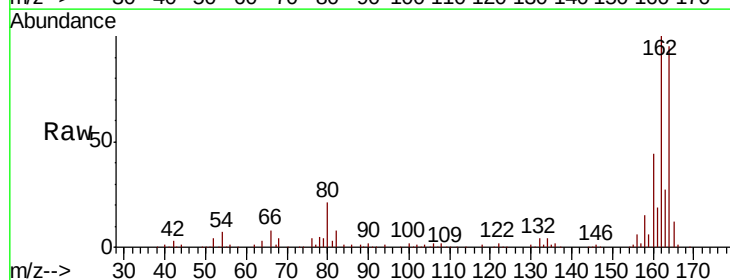
Instrument :
 BNA_G
 ClientSampled :

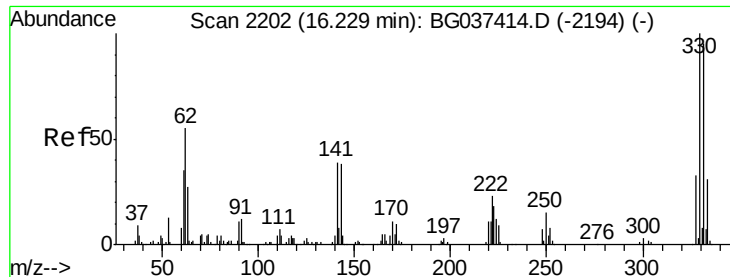
Tot Ion	82	Resp	545179
Ion Ratio	Lower	Upper	
82	100		
128	45.1	34.6	51.8
54	55.6	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037639.D
 Acq: 30 Oct 2018 1:39

Tgt Ion	164	Resp	190499
Ion Ratio	Lower	Upper	
164	100		
162	105.0	81.3	121.9
160	46.2	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 159.169 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

Instrument :

BNA_G

ClientSampled :

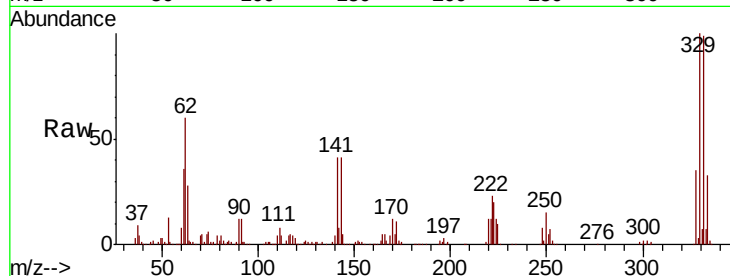
Tot Ion:330 Resp: 330713

Ion Ratio Lower Upper

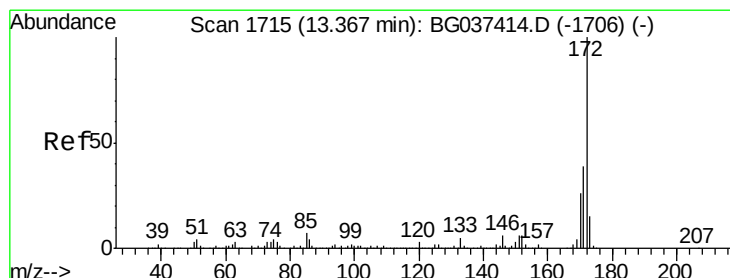
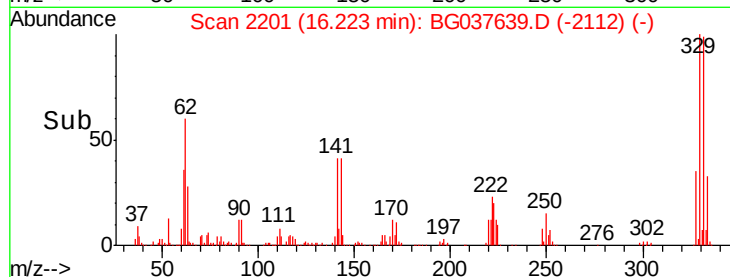
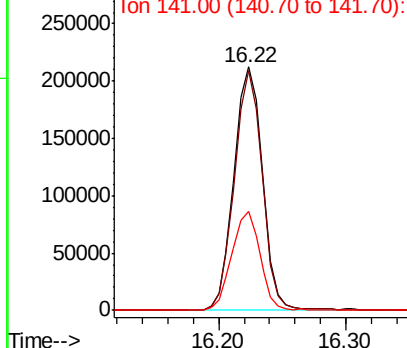
330 100

332 96.5 78.4 117.6

141 40.3 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: 95.497 ng

RT: 13.36 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

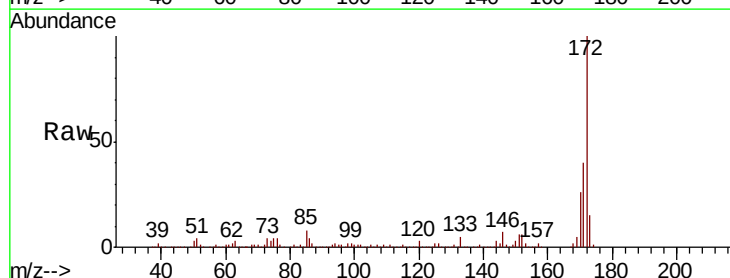
Tgt Ion:172 Resp: 1206411

Ion Ratio Lower Upper

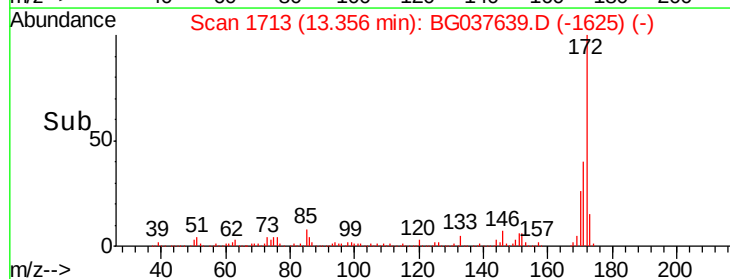
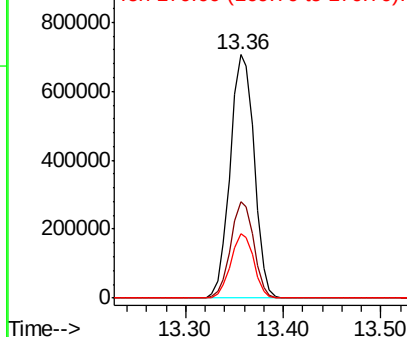
172 100

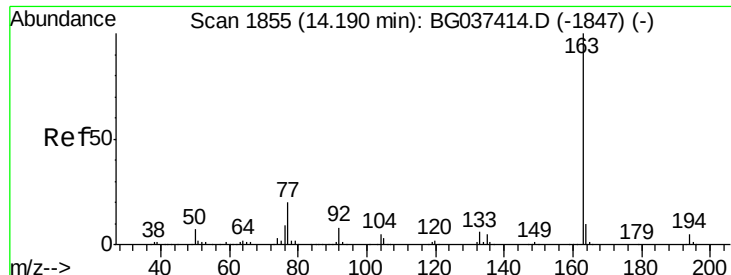
171 39.8 31.0 46.4

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





#50

Dimethylphthalate

Concen: 12.394 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

Instrument :

BNA_G

ClientSampleId :

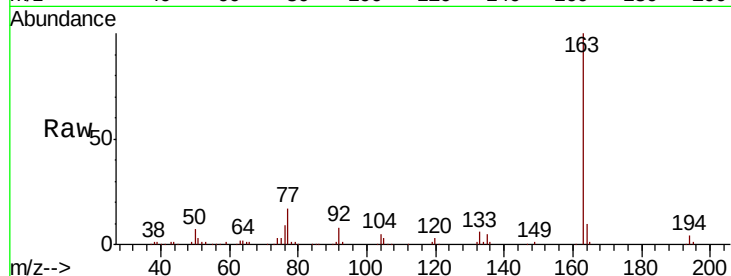
Tot Ion:163 Resp: 182649

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

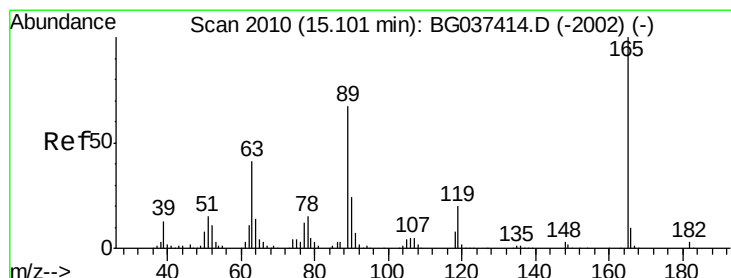
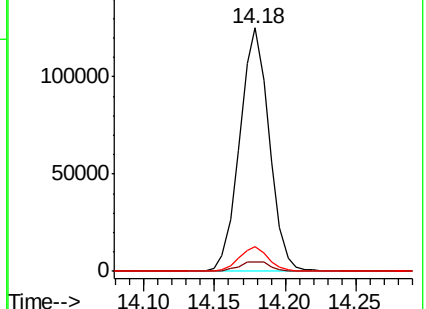
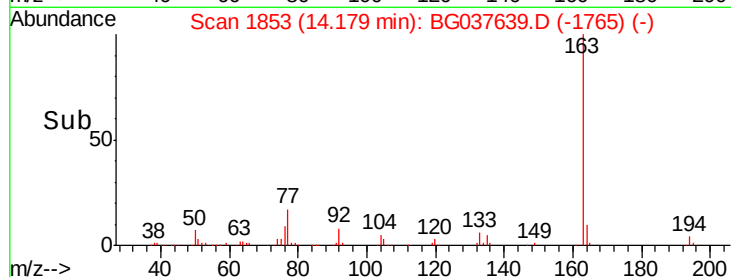
164 10.1 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 5.849 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.37 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

Tgt Ion:165 Resp: 25031

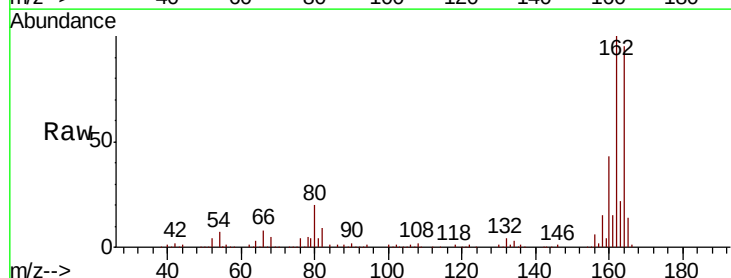
Ion Ratio Lower Upper

165 100

63 1.2 33.4 50.0#

89 0.9 57.2 85.8#

182 0.0 2.6 4.0#

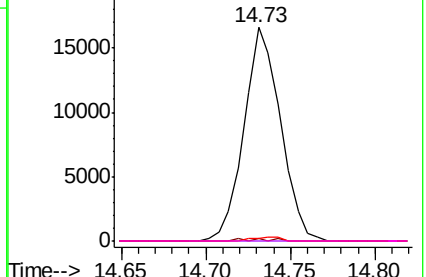
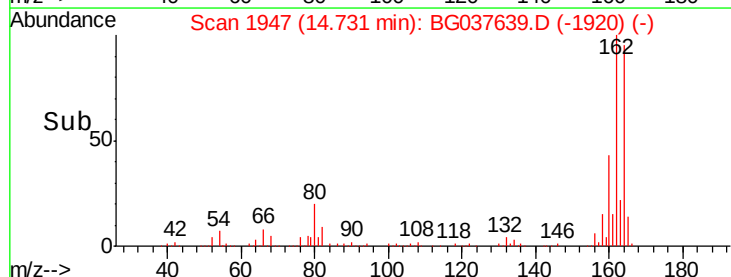


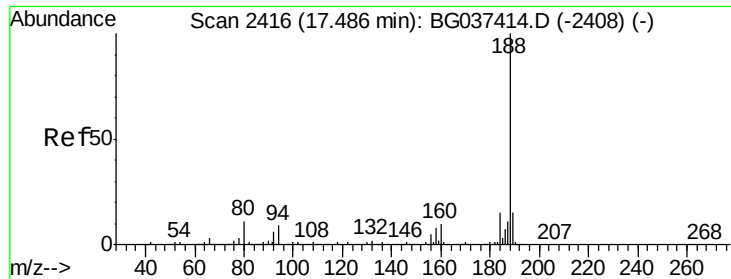
Abundance Ion 165.00 (164.70 to 165.70): E

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

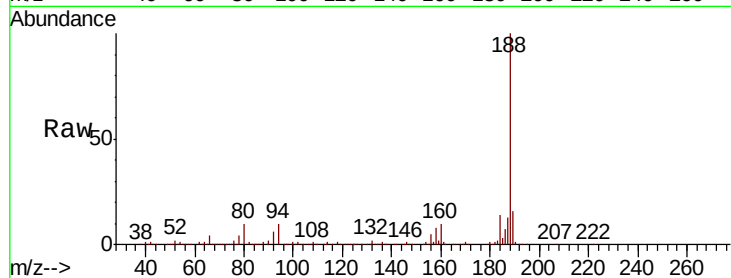




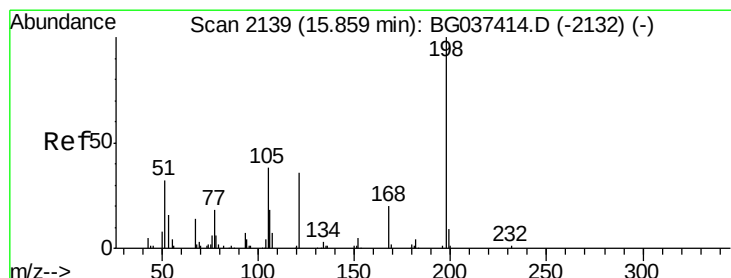
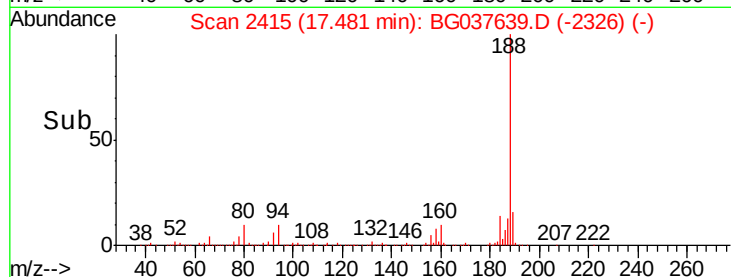
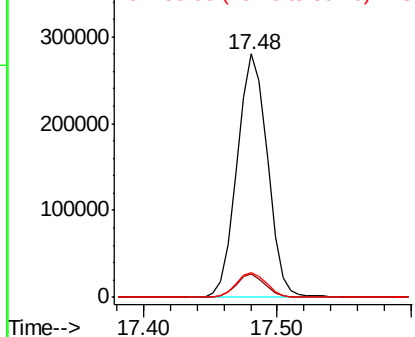
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG037639.D
Acq: 30 Oct 2018 1:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 441970
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.4 7.7 11.5

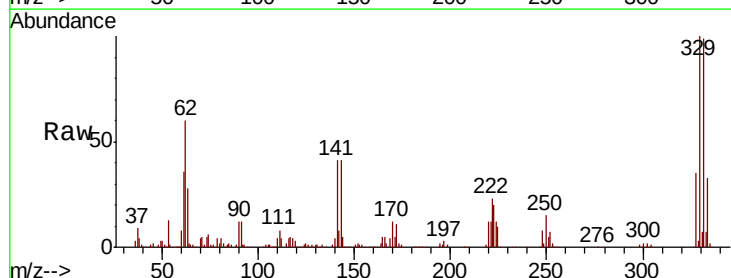


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

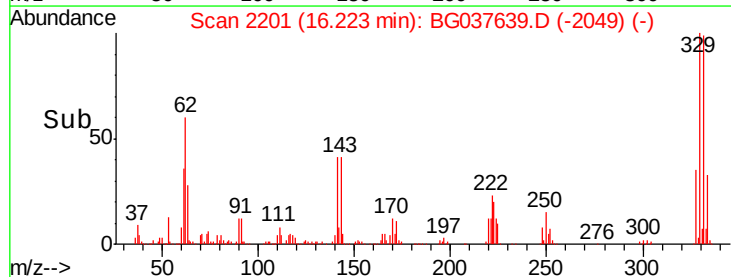
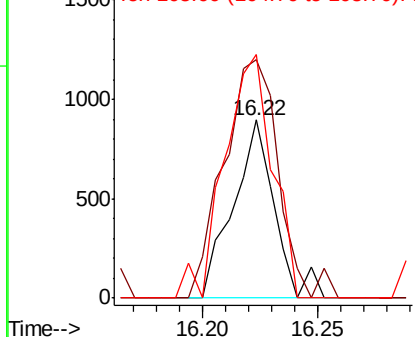


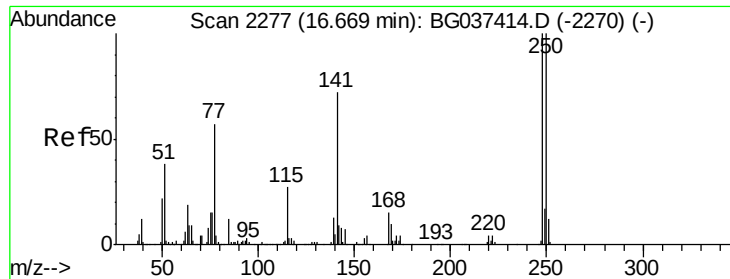
#65
4,6-Dinitro-2-methylphenol
Concen: 8.903 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.37 min
Lab File: BG037639.D
Acq: 30 Oct 2018 1:39

Tgt Ion:198 Resp: 1115
Ion Ratio Lower Upper
198 100
51 30.0 22.7 62.7
105 30.6 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

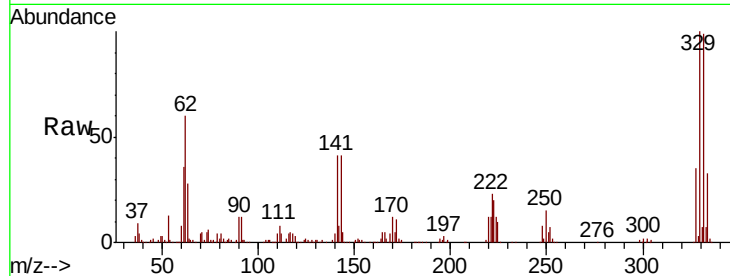




#67
 4-Bromophenyl-phenylether
 Concen: 5.161 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037639.D
 Acq: 30 Oct 2018 1:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	189.8	77.0	115.6#
141	394.9	55.5	83.3#

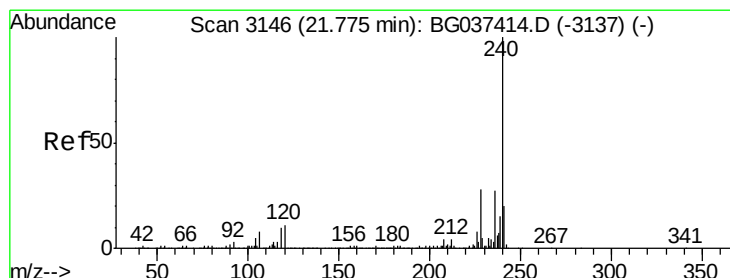
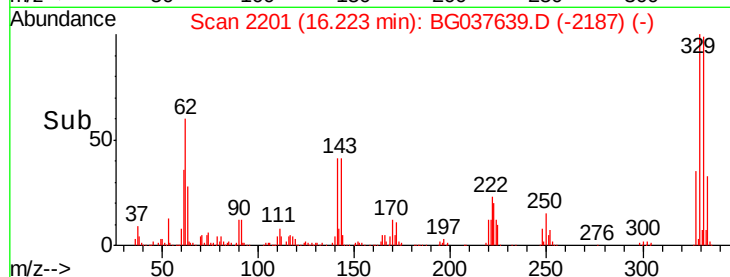
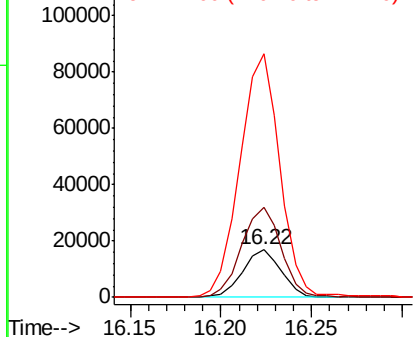


Abundance

Ion 248.00 (247.70 to 248.70): E

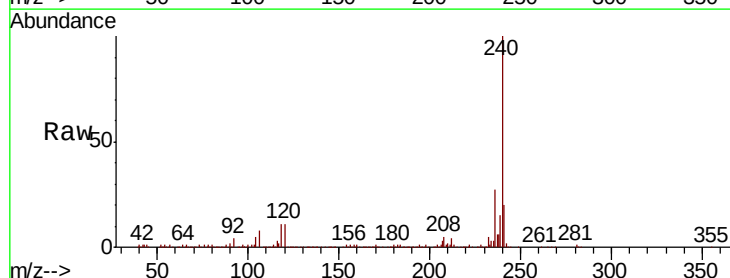
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037639.D
 Acq: 30 Oct 2018 1:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.1	12.1
236	27.1	21.4	32.0

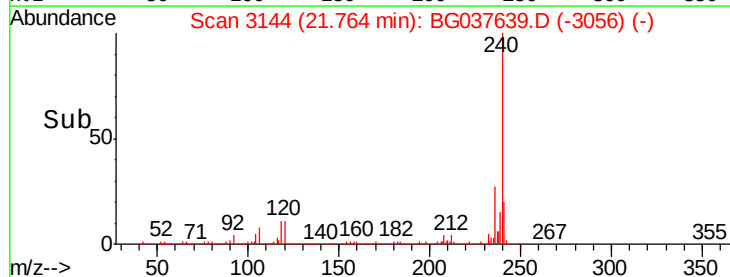
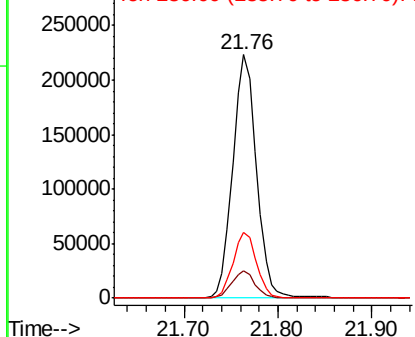


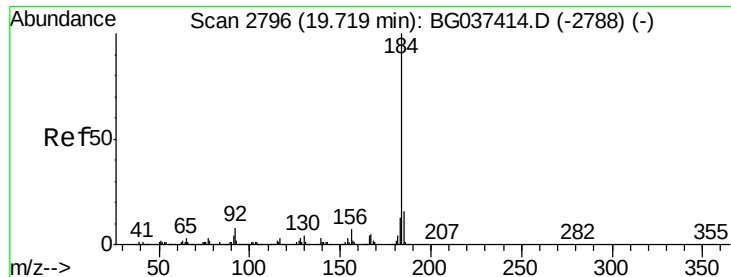
Abundance

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





#77

Benzidine

Concen: 2.083 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

Instrument :

BNA_G

ClientSampled :

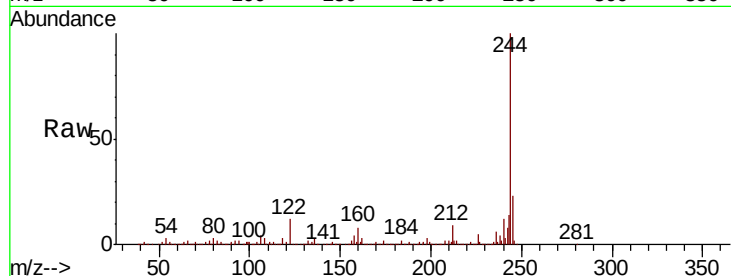
Tot Ion:184 Resp: 27745

Ion Ratio Lower Upper

184 100

185 19.9 12.6 18.8#

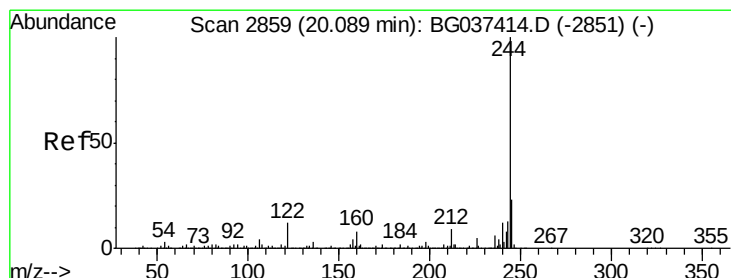
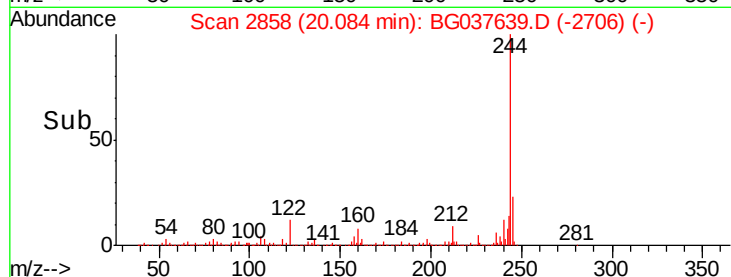
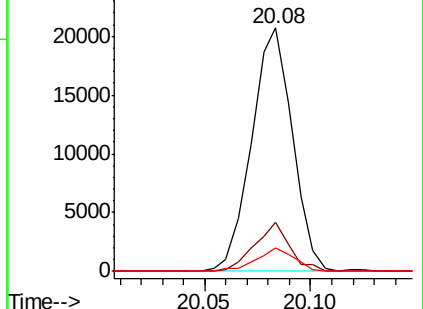
183 9.6 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 89.495 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037639.D

Acq: 30 Oct 2018 1:39

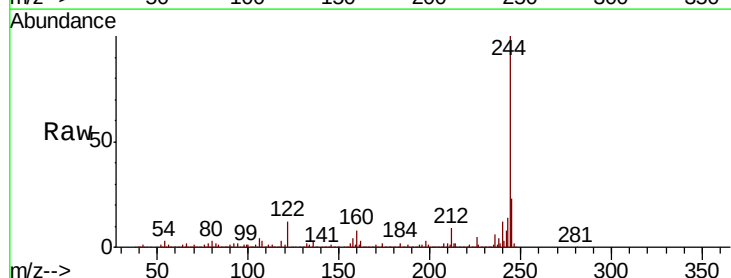
Tgt Ion:244 Resp: 1640556

Ion Ratio Lower Upper

244 100

212 9.0 6.5 9.7

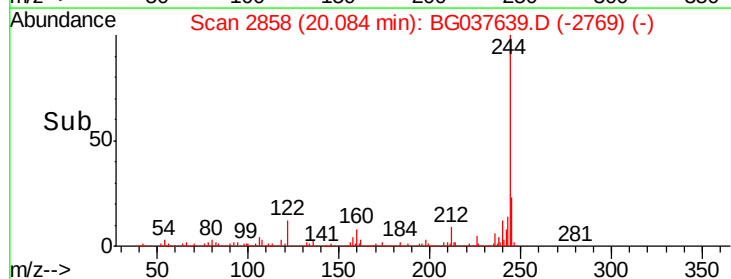
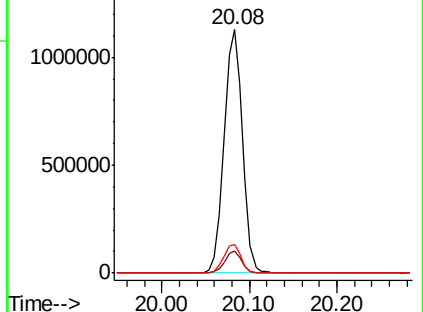
122 11.7 9.0 13.4

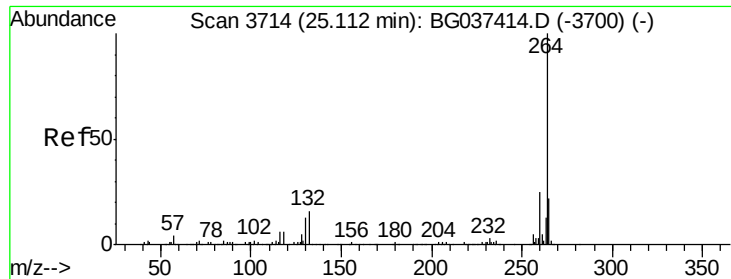


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG037639.D
Acq: 30 Oct 2018 1:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	21.3	17.9	26.9

