

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038389.D
 Acq On : 6 Dec 2018 19:12
 Operator : JU/SJ
 Sample : J6225-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 06 21:05:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

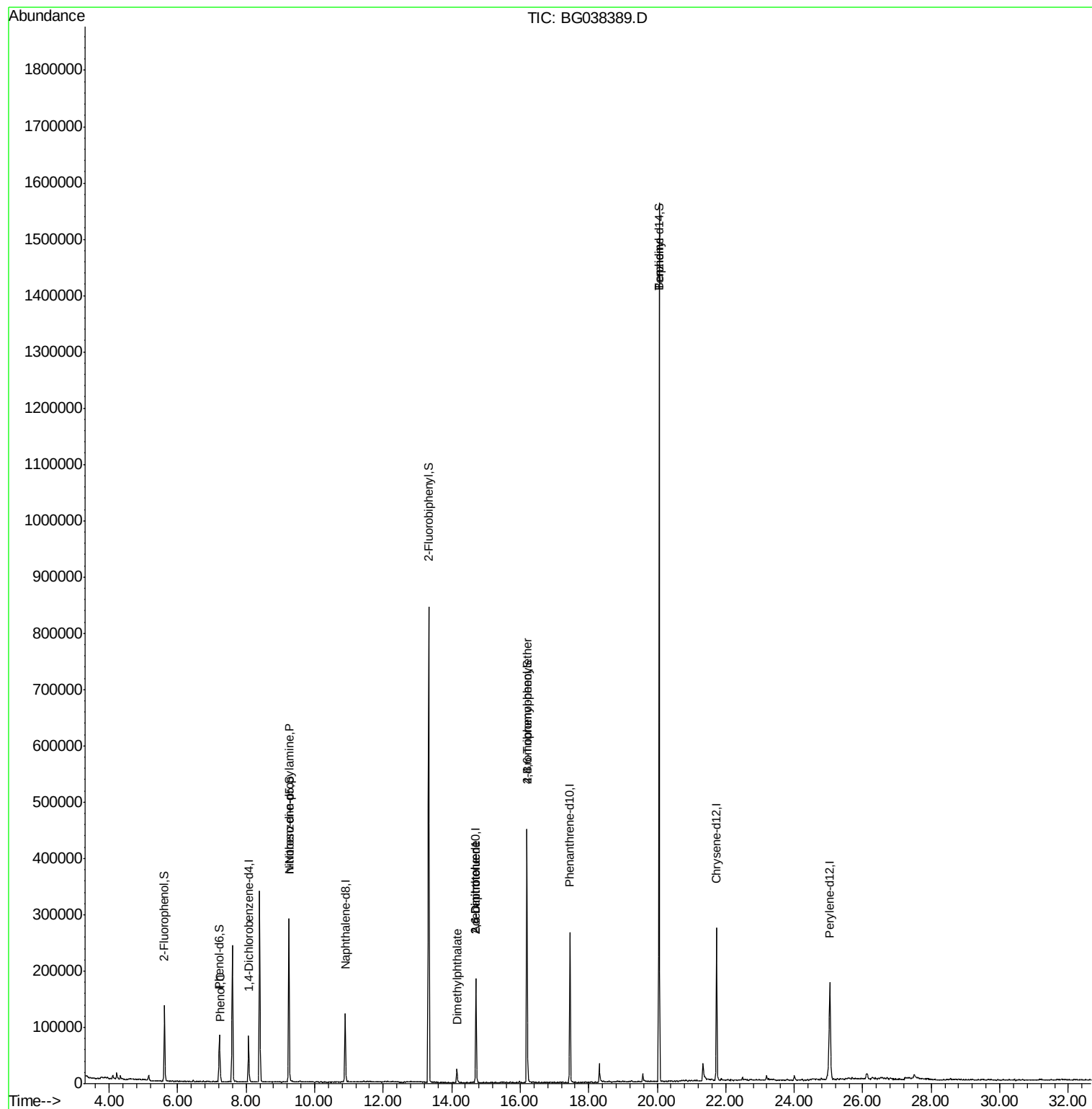
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	23645	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	114659	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	67765	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	177849	20.00	ng	0.00
76) Chrysene-d12	21.73	240	171002	20.00	ng	0.00
87) Perylene-d12	25.04	264	200527	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	63351	47.41	ng	0.00
7) Phenol-d6	7.22	99	49382	25.57	ng	0.00
23) Nitrobenzene-d5	9.24	82	184286	79.80	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	86319	103.76	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	461020	96.94	ng	0.00
79) Terphenyl-d14	20.05	244	758880	95.07	ng	0.00
Target Compounds						
10) Phenol	7.25	94	10214	5.006	ng	90
19) n-Nitroso-di-n-propylamine	9.25	70	24199	15.875	ng	# 79
50) Dimethylphthalate	14.16	163	20990	3.862	ng	95
51) 2,6-Dinitrotoluene	14.70	165	9021	7.266	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	9021	5.268	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	6221	3.239	ng	# 1
77) Benzidine	20.05	184	13516	2.342	ng	# 95

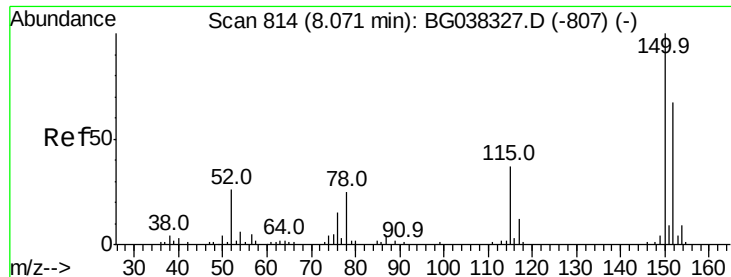
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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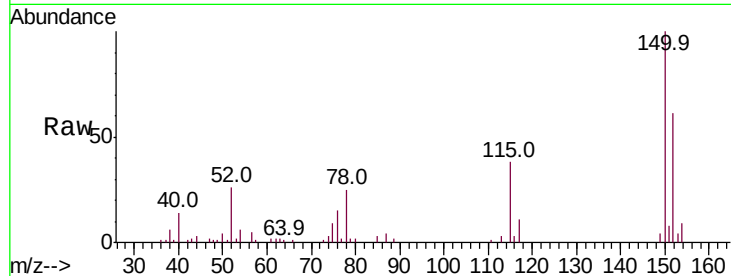


#1

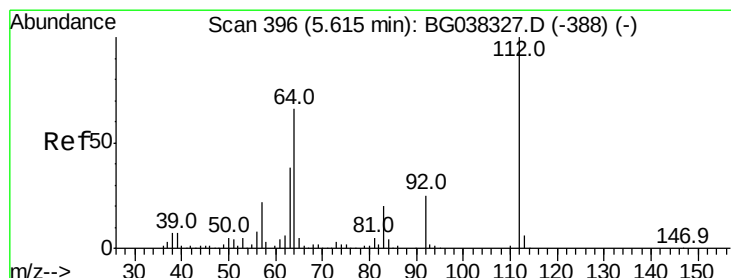
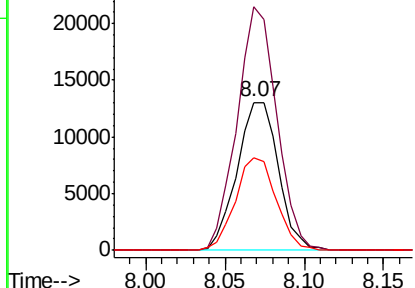
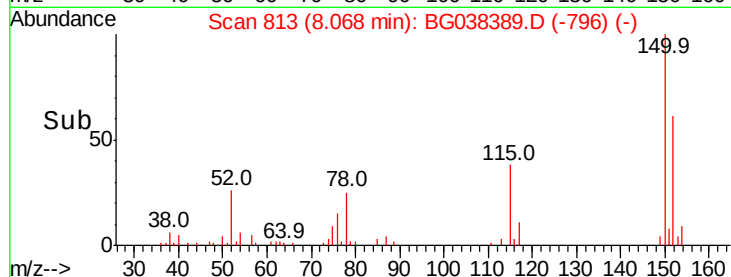
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.00 min
Lab File: BG038389.D
Acq: 6 Dec 2018 19:12

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23645
Ion Ratio Lower Upper
152 100
150 164.8 126.0 189.0
115 63.1 45.5 68.3



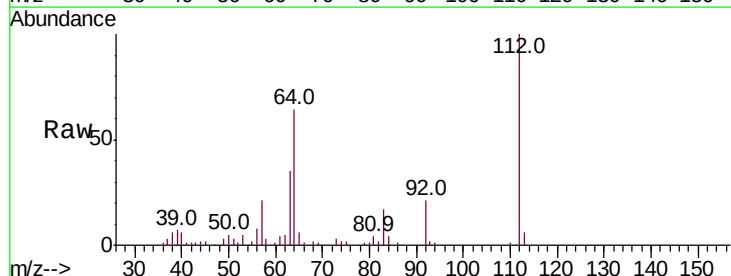
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



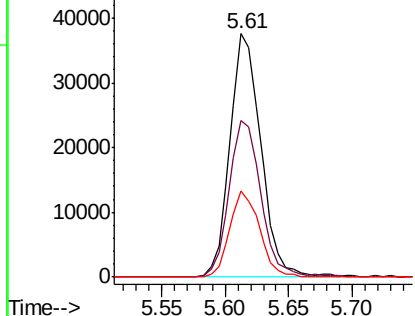
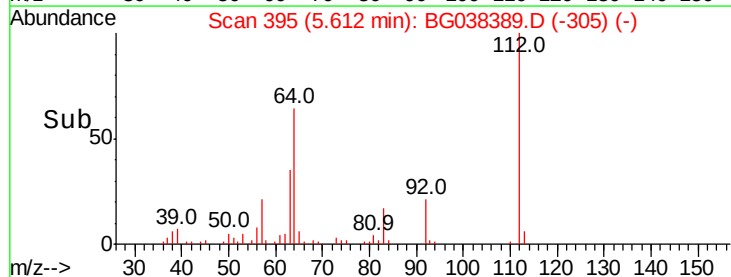
#5

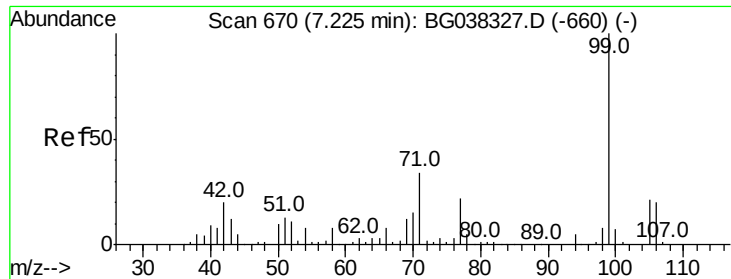
2-Fluorophenol
Concen: 47.413 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG038389.D
Acq: 6 Dec 2018 19:12

Tgt Ion:112 Resp: 63351
Ion Ratio Lower Upper
112 100
64 64.5 53.1 79.7
63 35.2 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: 25.571 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

Instrument :

BNA_G

ClientSampleId :

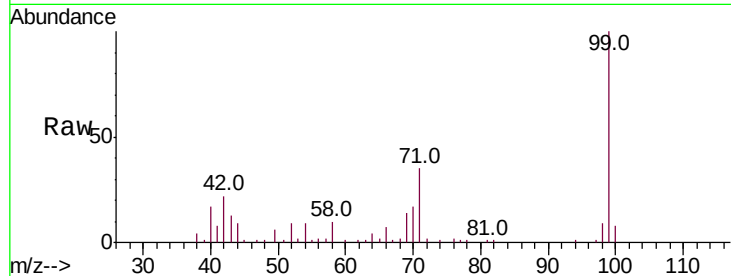
Tot Ion: 99 Resp: 49382

Ion Ratio Lower Upper

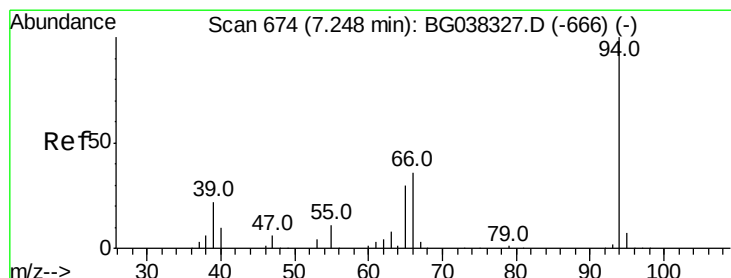
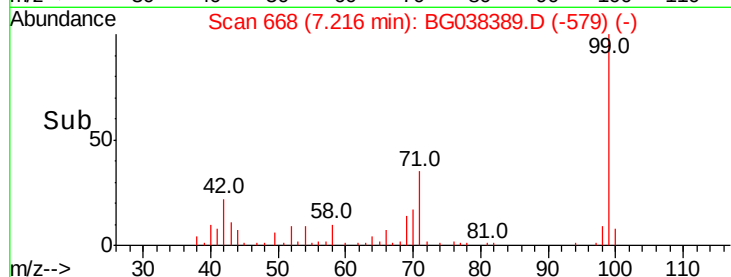
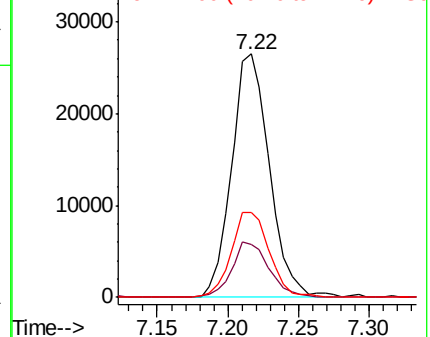
99 100

42 22.0 15.0 22.4

71 34.8 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



#10

Phenol

Concen: 5.006 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

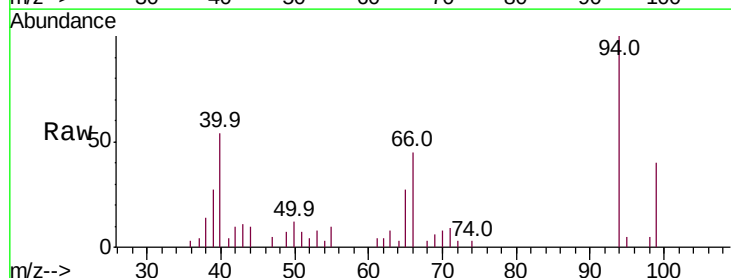
Tgt Ion: 94 Resp: 10214

Ion Ratio Lower Upper

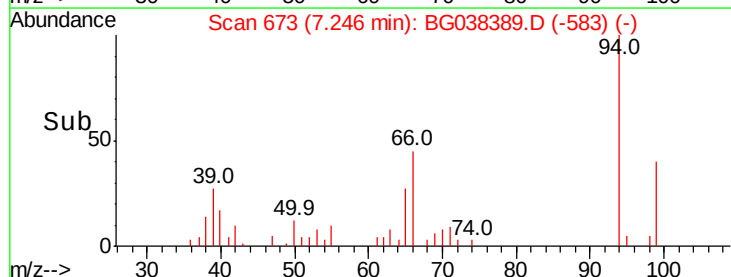
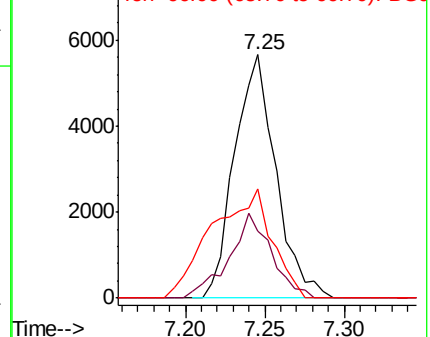
94 100

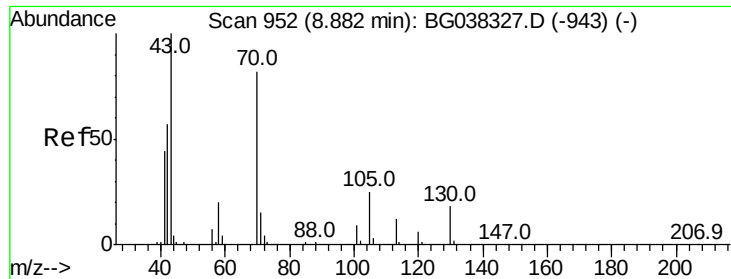
65 27.4 9.7 49.7

66 44.9 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

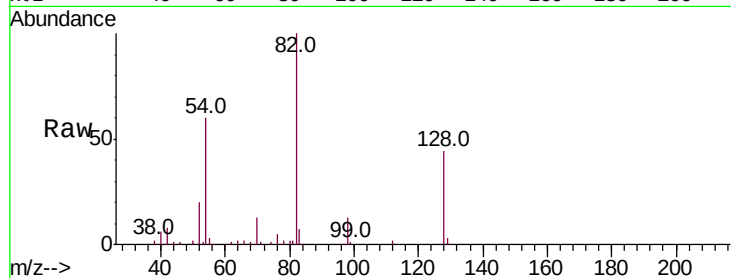




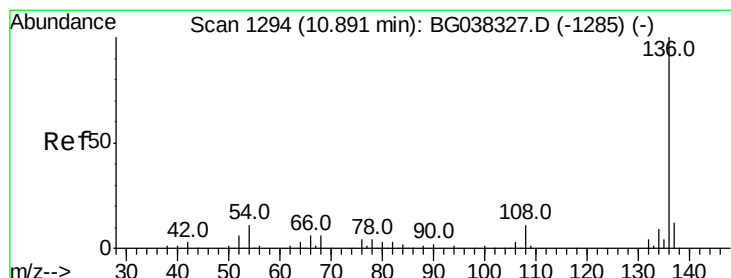
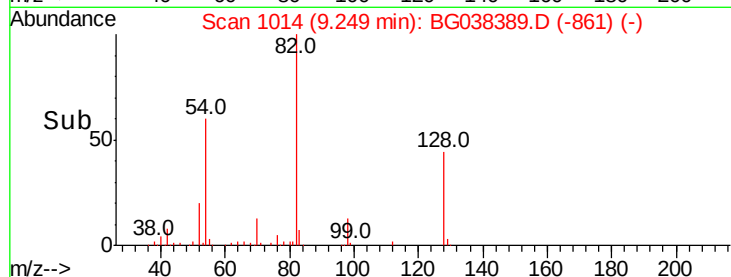
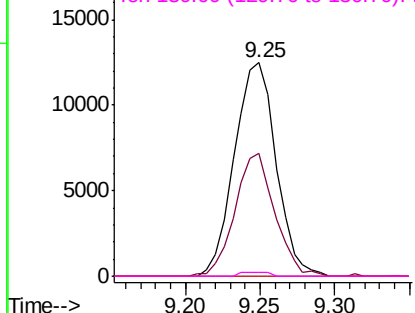
#19
n-Nitroso-di-n-propylamine
Concen: 15.875 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.37 min
Lab File: BG038389.D
Acq: 6 Dec 2018 19:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 24199
Ion Ratio Lower Upper
70 100
42 57.8 53.9 80.9
101 0.0 8.2 12.2#
130 1.9 18.2 27.4#

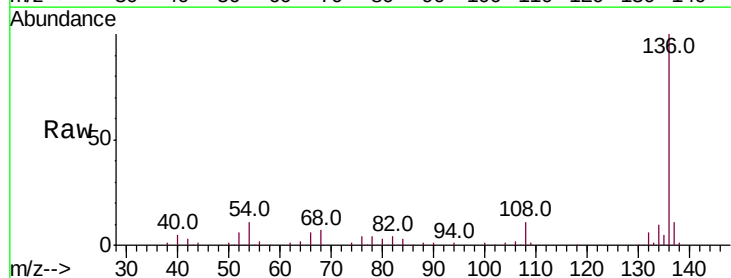


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

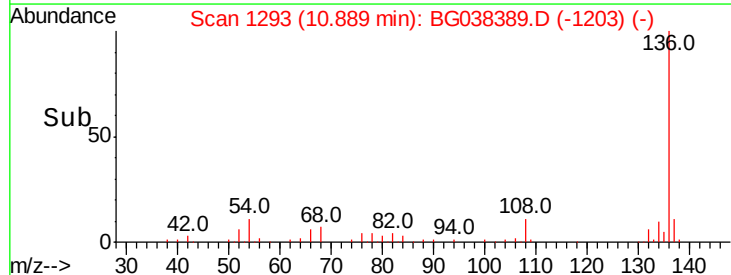
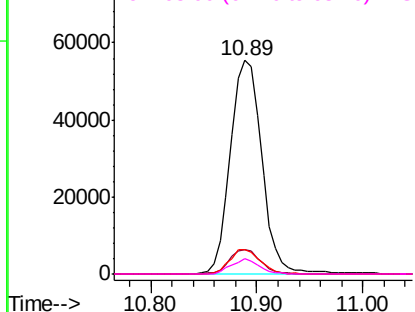


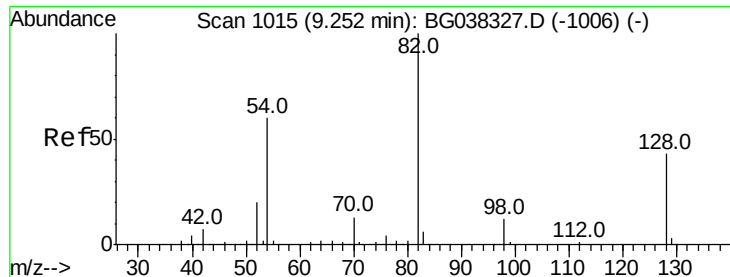
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038389.D
Acq: 6 Dec 2018 19:12

Tgt Ion: 136 Resp: 114659
Ion Ratio Lower Upper
136 100
137 11.1 9.6 14.4
54 11.5 7.9 11.9
68 7.1 4.8 7.2



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





#23

Nitrobenzene-d5

Concen: 79.797 ng

RT: 9.24 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

Instrument :

BNA_G

ClientSampleId :

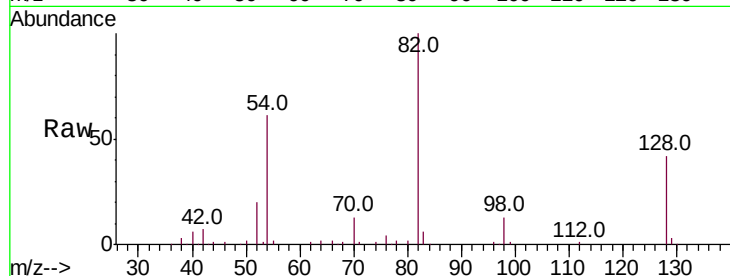
Tot Ion: 82 Resp: 184286

Ion Ratio Lower Upper

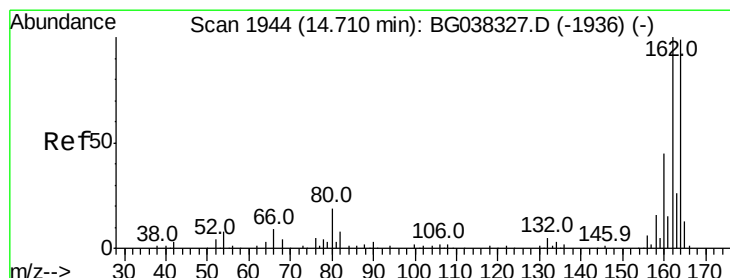
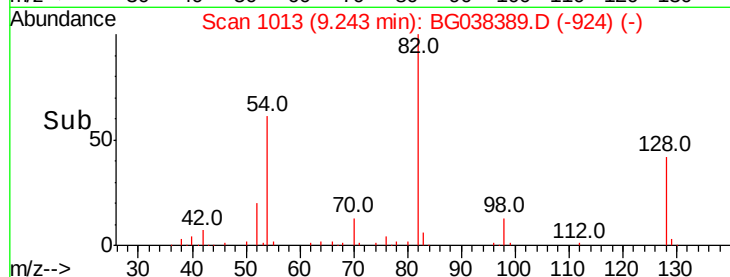
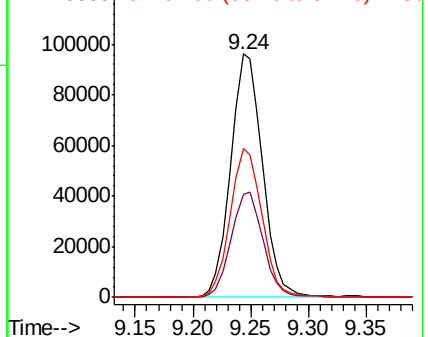
82 100

128 42.3 34.6 51.8

54 61.0 45.3 67.9



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

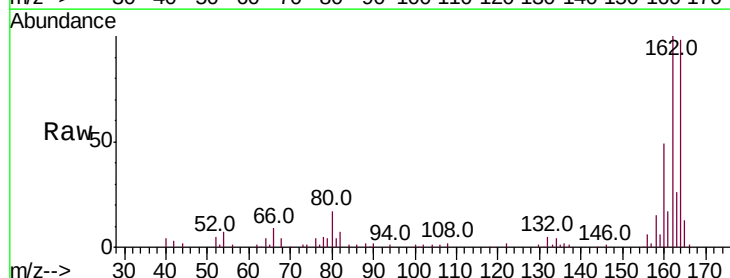
Tgt Ion:164 Resp: 67765

Ion Ratio Lower Upper

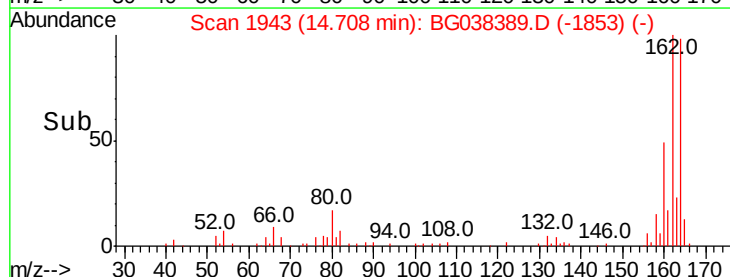
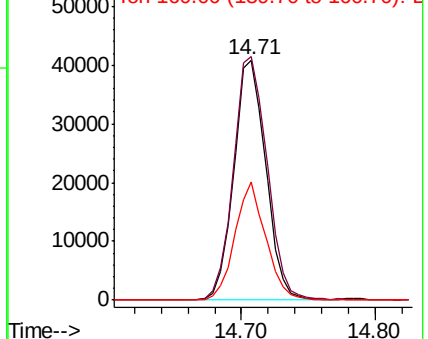
164 100

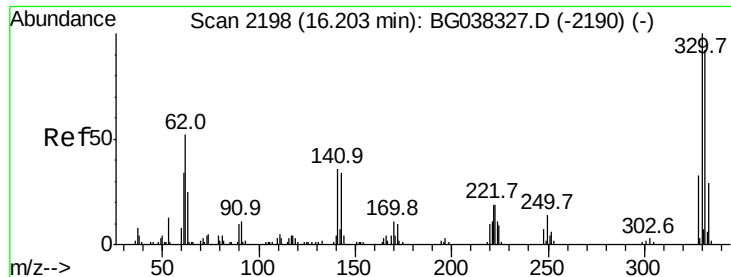
162 101.5 81.3 121.9

160 49.5 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

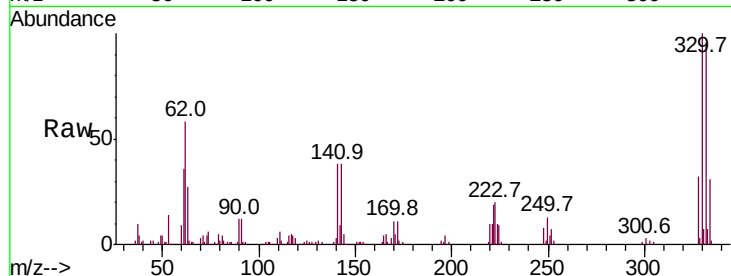




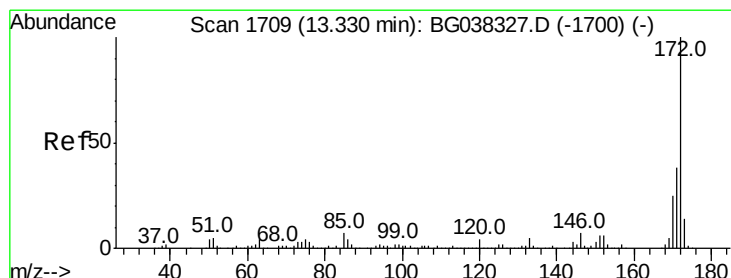
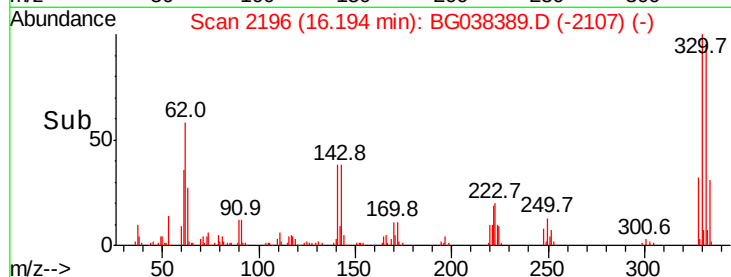
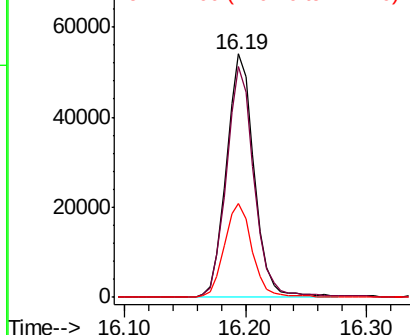
#42
 2,4,6-Tribromophenol
 Concen: 103.762 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038389.D
 Acq: 6 Dec 2018 19:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	78.4	117.6
141	38.7	32.2	48.2

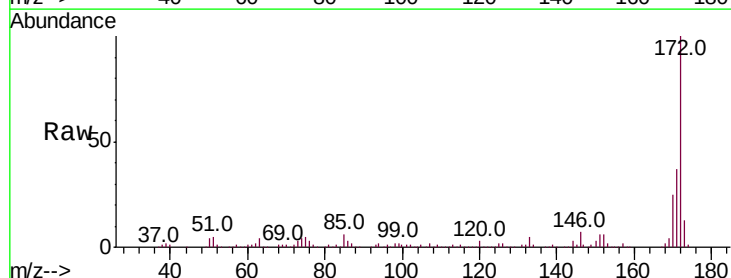


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

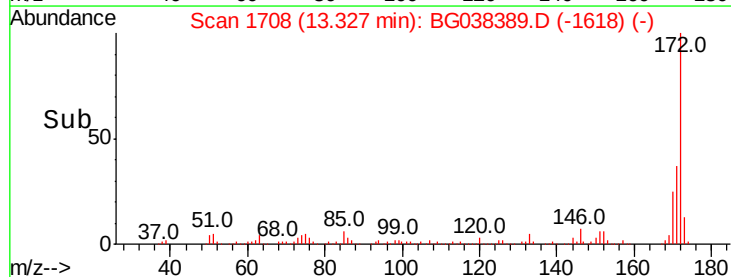
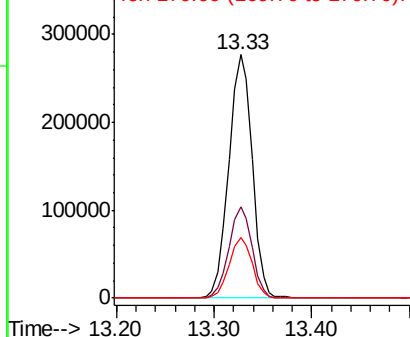


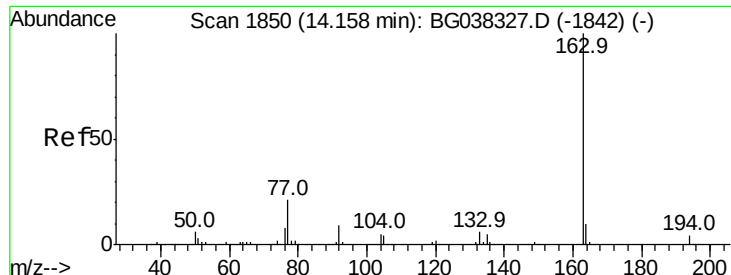
#45
 2-Fluorobiphenyl
 Concen: 96.940 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038389.D
 Acq: 6 Dec 2018 19:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.0	46.4
170	24.8	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





#50

Dimethylphthalate

Concen: 3.862 ng

RT: 14.16 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

Instrument :

BNA_G

ClientSampleId :

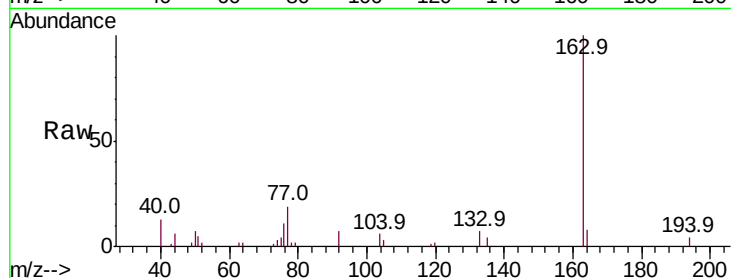
Tot Ion:163 Resp: 20990

Ion Ratio Lower Upper

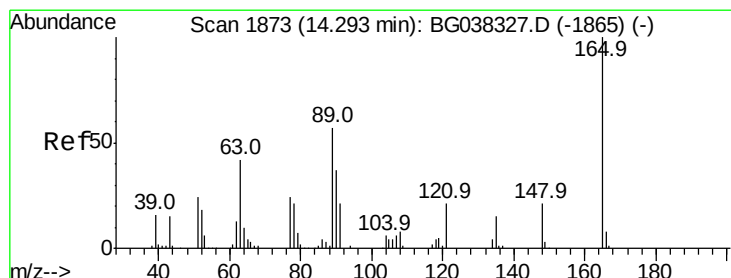
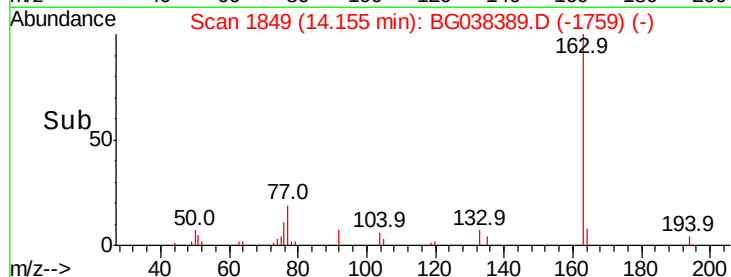
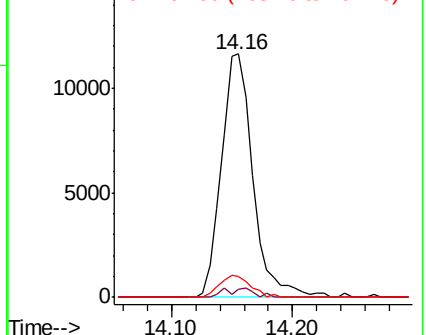
163 100

194 3.5 3.5 5.3

164 8.5 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: 7.266 ng

RT: 14.70 min Scan# 1942

Delta R.T. 0.41 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

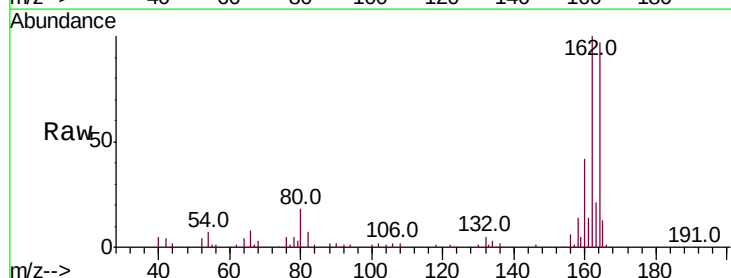
Tgt Ion:165 Resp: 9021

Ion Ratio Lower Upper

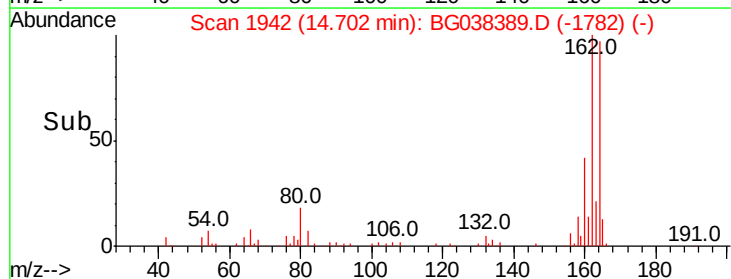
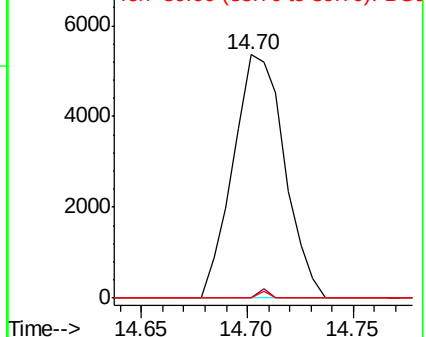
165 100

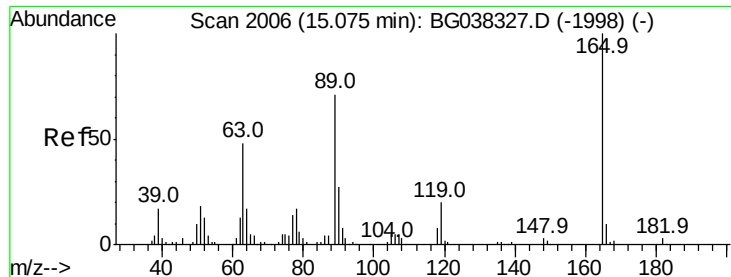
63 0.0 43.4 65.2#

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

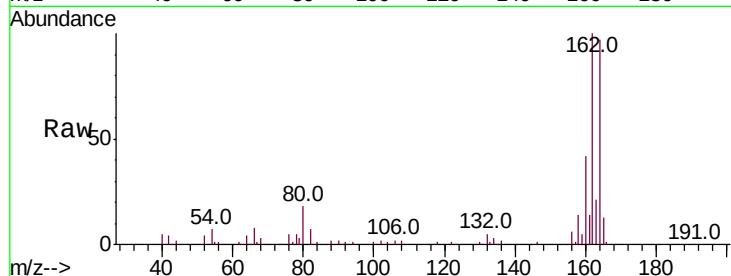




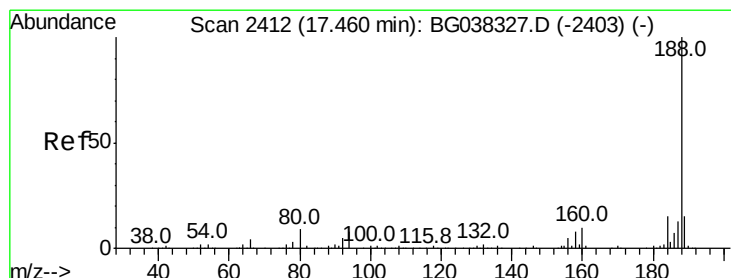
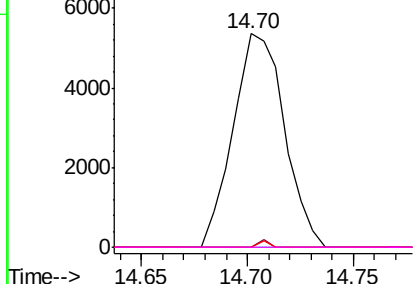
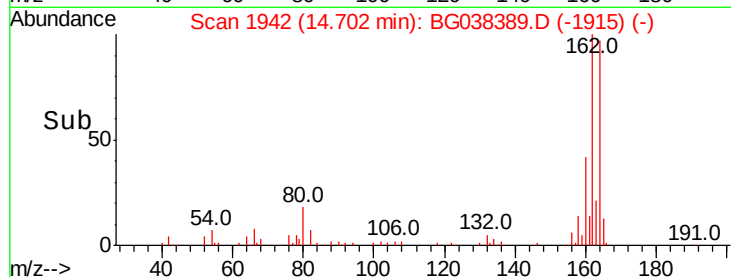
#57
 2,4-Dinitrotoluene
 Concen: 5.268 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.37 min
 Lab File: BG038389.D
 Acq: 6 Dec 2018 19:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9021
 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#

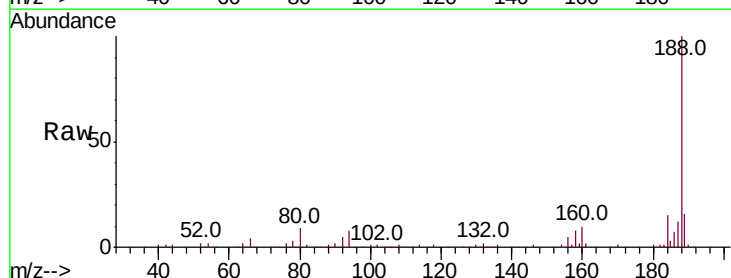


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

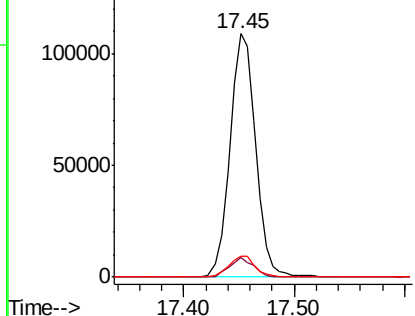
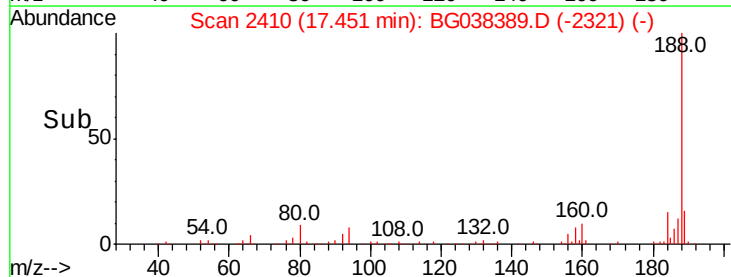


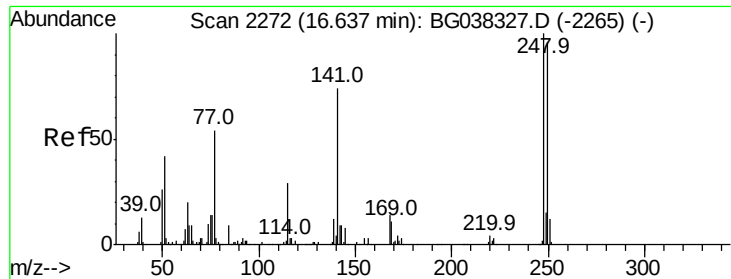
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038389.D
 Acq: 6 Dec 2018 19:12

Tgt Ion:188 Resp: 177849
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.2 10.8
 80 8.8 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

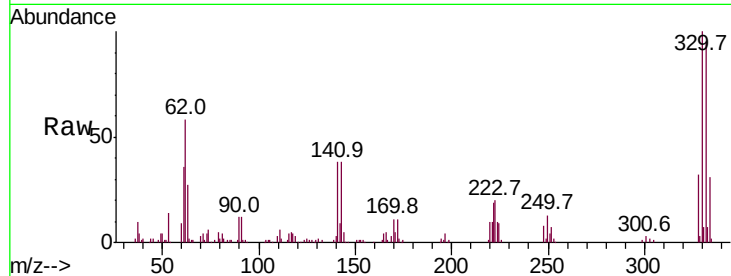




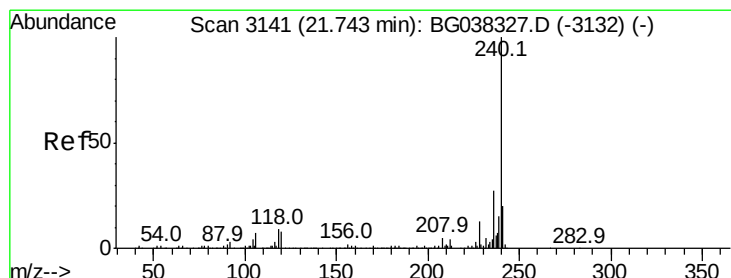
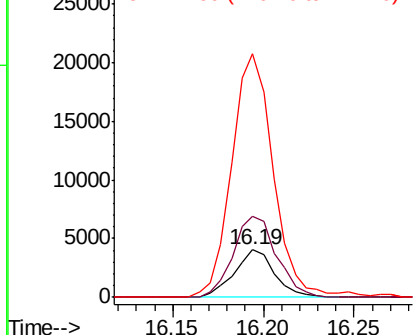
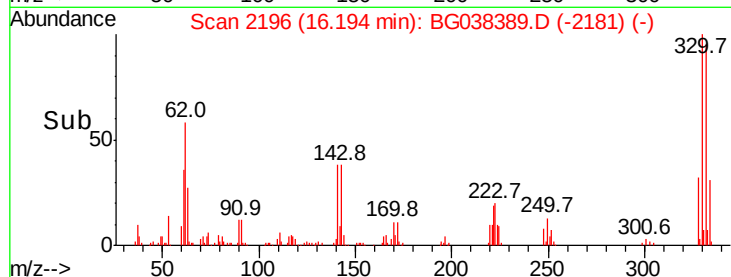
#67
 4-Bromophenyl-phenylether
 Concen: 3.239 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.44 min
 Lab File: BG038389.D
 Acq: 6 Dec 2018 19:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 6221
 Ion Ratio Lower Upper
 248 100
 250 168.6 77.0 115.6#
 141 395.2 55.5 83.3#

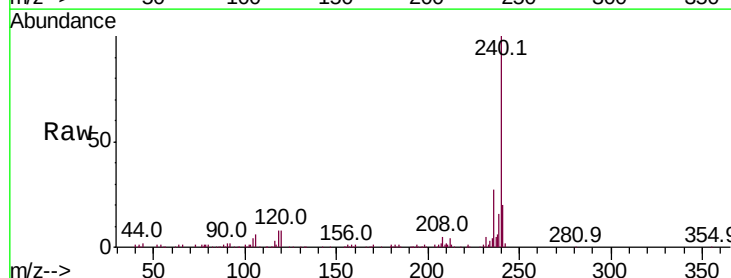


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

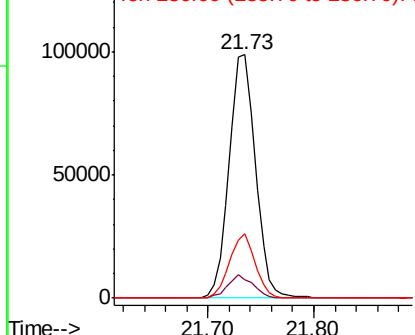
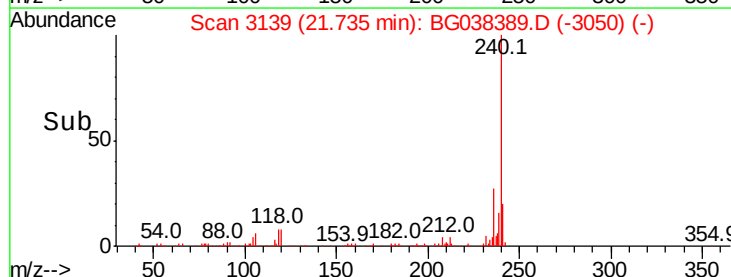


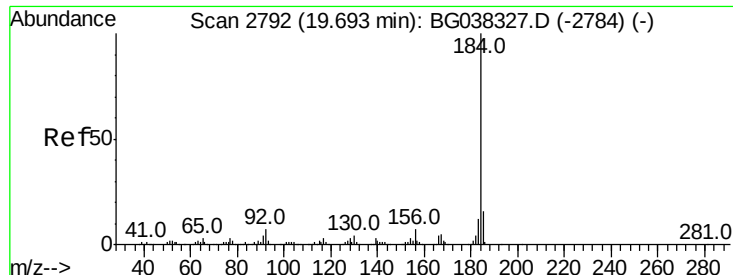
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG038389.D
 Acq: 6 Dec 2018 19:12

Tgt Ion:240 Resp: 171002
 Ion Ratio Lower Upper
 240 100
 120 7.6 8.1 12.1#
 236 26.5 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: 2.342 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

Instrument :

BNA_G

ClientSampleId :

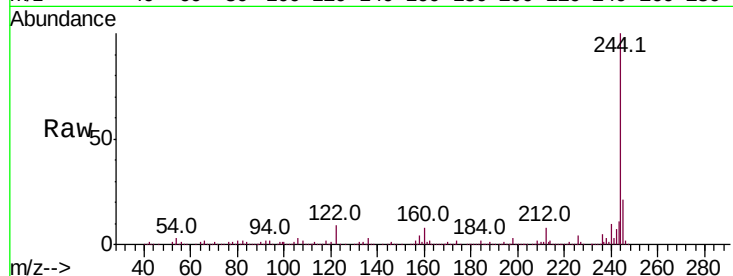
Tot Ion:184 Resp: 13516

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

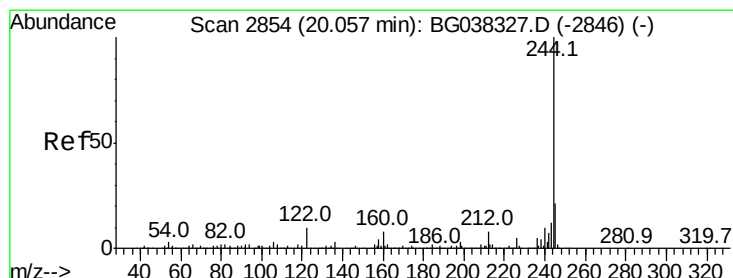
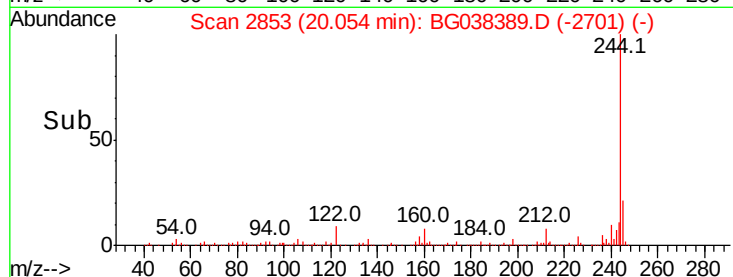
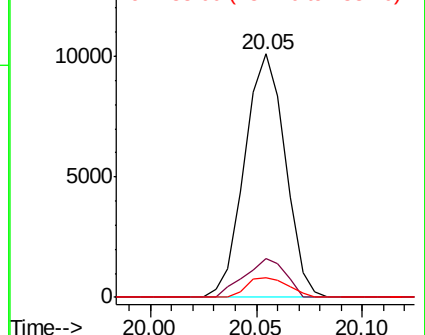
183 8.0 10.2 15.2#



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: 95.070 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038389.D

Acq: 6 Dec 2018 19:12

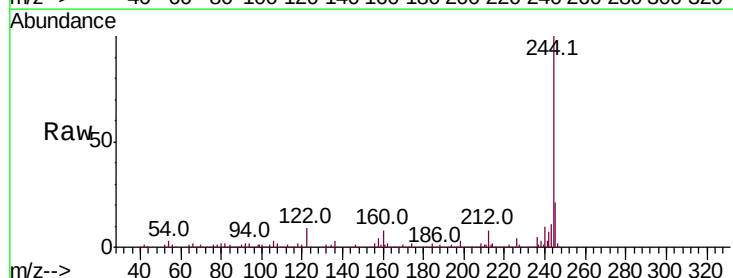
Tgt Ion:244 Resp: 758880

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

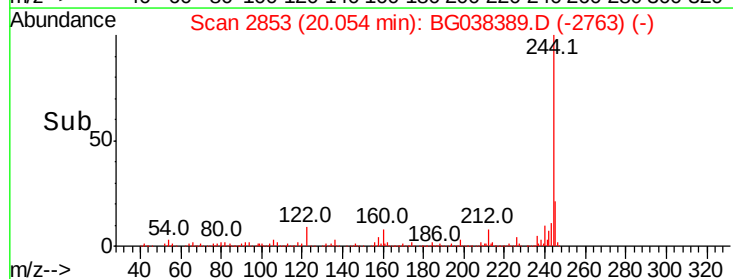
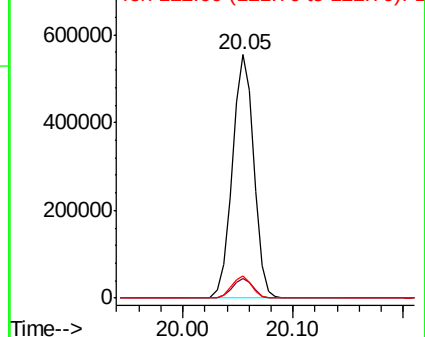
122 9.2 9.0 13.4

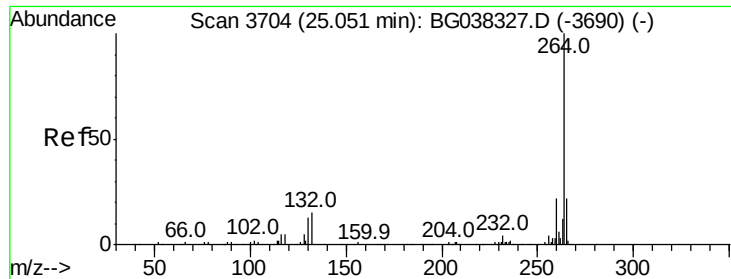


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.04 min Scan# 3701
Delta R.T. -0.01 min
Lab File: BG038389.D
Acq: 6 Dec 2018 19:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 200527

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	21.3	17.9	26.9

