

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038396.D
 Acq On : 7 Dec 2018 00:26
 Operator : JU/SJ
 Sample : J6225-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 07 01:58:06 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

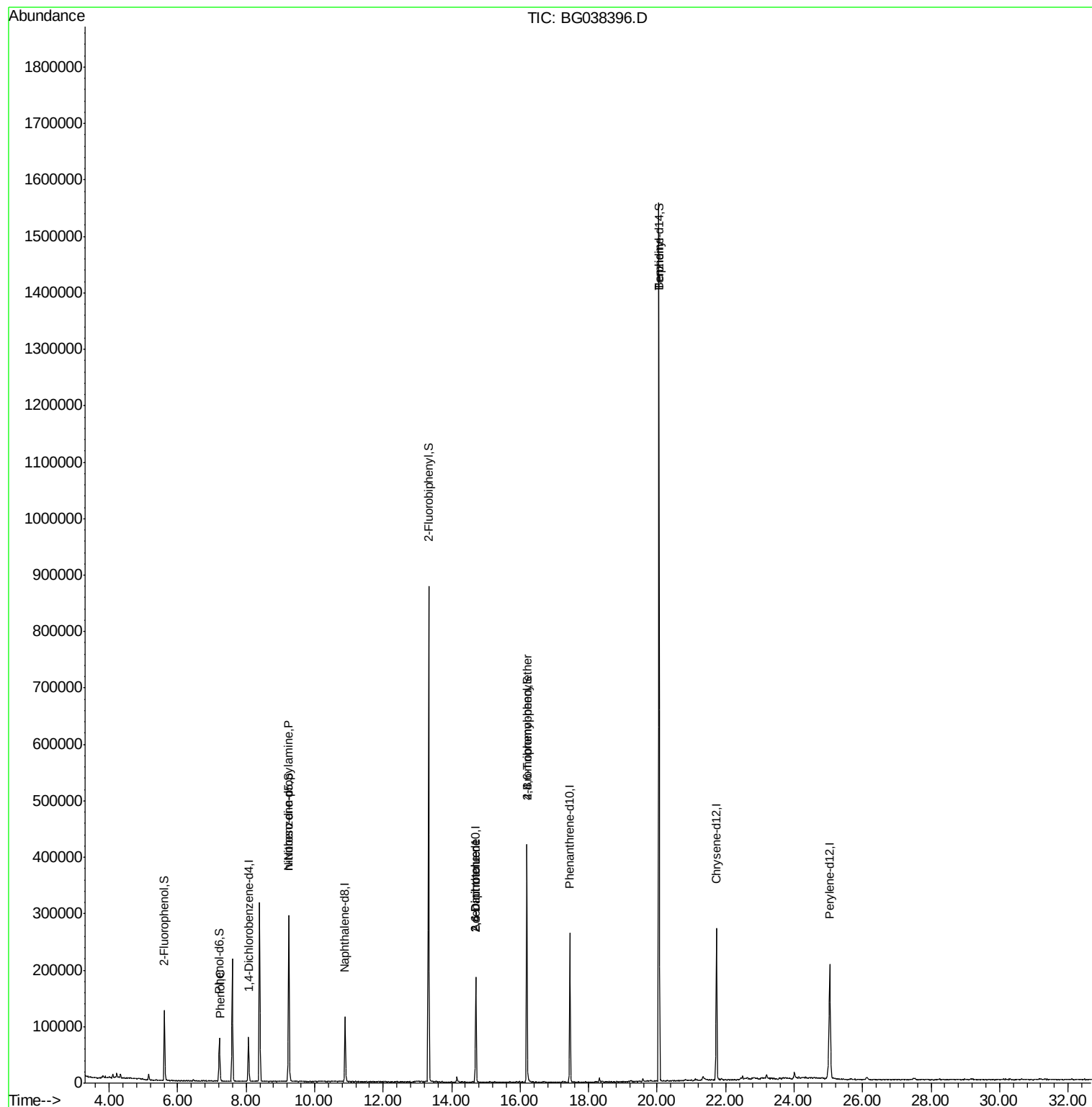
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	22456	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	104661	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	68181	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	176161	20.00	ng	0.00
76) Chrysene-d12	21.73	240	167998	20.00	ng	0.00
87) Perylene-d12	25.04	264	212748	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	55330	43.60	ng	0.00
7) Phenol-d6	7.22	99	45903	25.03	ng	0.00
23) Nitrobenzene-d5	9.25	82	185745	88.11	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	79292	94.73	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	479255	100.16	ng	0.00
79) Terphenyl-d14	20.05	244	756911	96.52	ng	0.00
Target Compounds						
10) Phenol	7.24	94	5745	2.965	ng	81
19) n-Nitroso-di-n-propylamine	9.24	70	24327	16.934	ng	# 74
51) 2,6-Dinitrotoluene	14.70	165	8567	6.858	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	8567	4.972	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	5491	2.886	ng	# 1
77) Benzidine	20.05	184	13436	2.370	ng	95

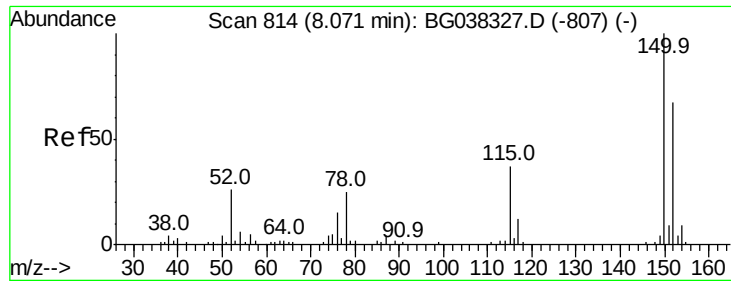
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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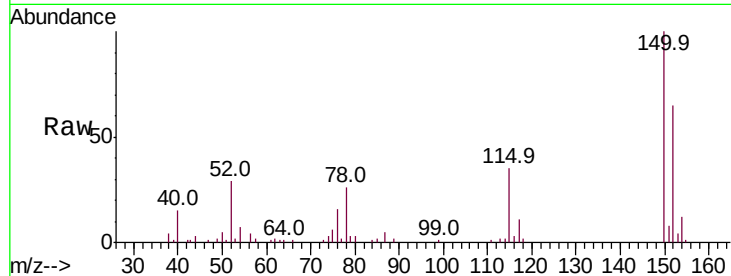


#1

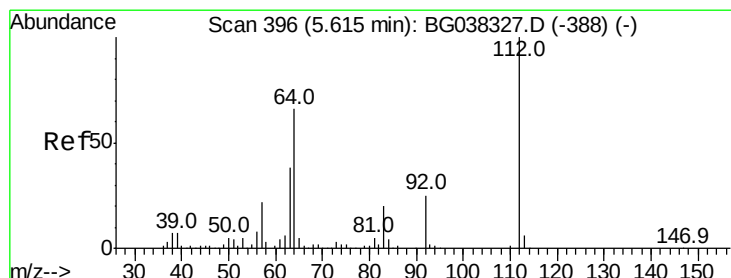
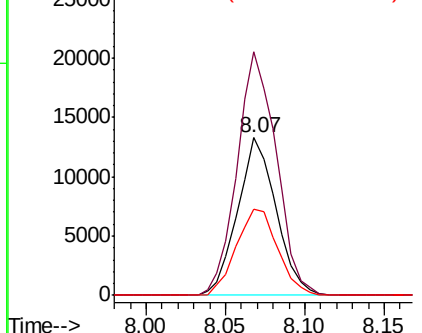
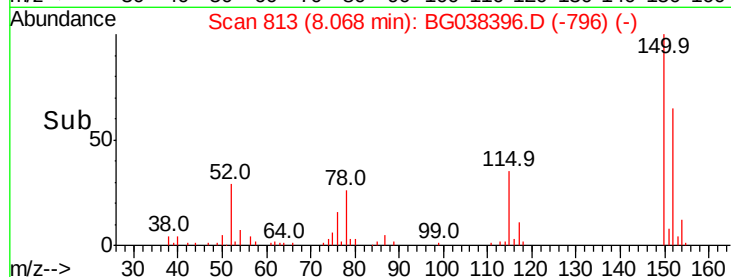
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.00 min
Lab File: BG038396.D
Acq: 7 Dec 2018 00:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22456
Ion Ratio Lower Upper
152 100
150 154.8 126.0 189.0
115 54.6 45.5 68.3



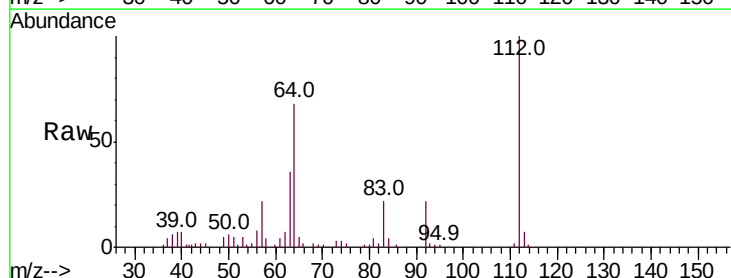
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



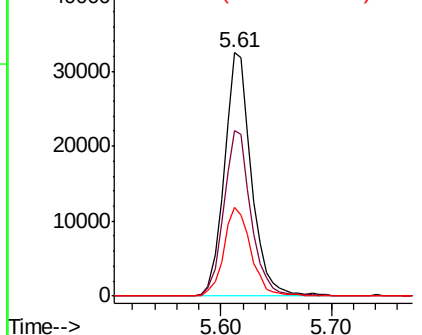
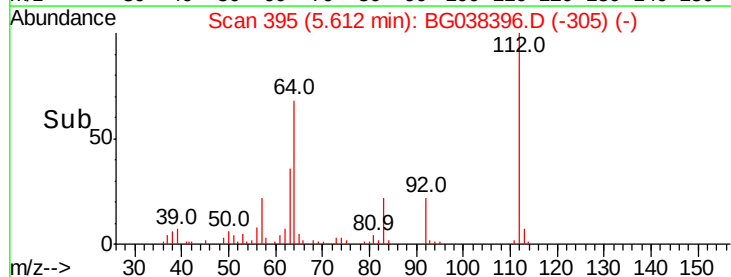
#5

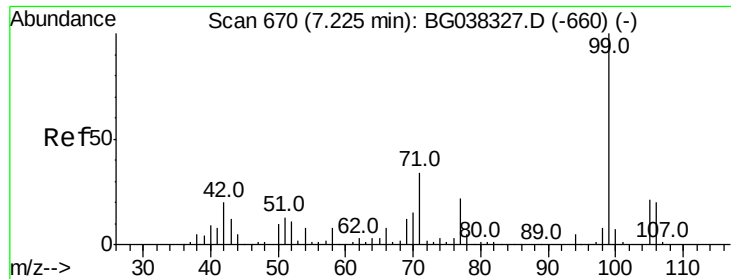
2-Fluorophenol
Concen: 43.603 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG038396.D
Acq: 7 Dec 2018 00:26

Tgt Ion:112 Resp: 55330
Ion Ratio Lower Upper
112 100
64 68.1 53.1 79.7
63 36.4 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: 25.028 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038396.D

Acq: 7 Dec 2018 00:26

Instrument :

BNA_G

ClientSampleId :

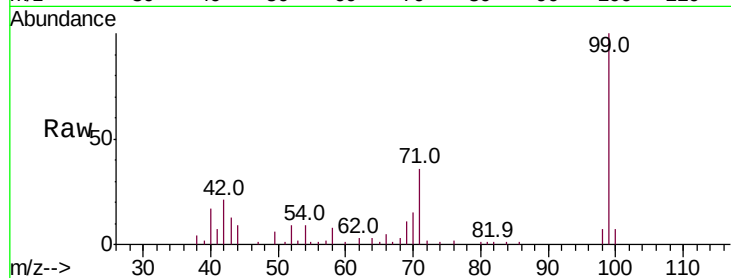
Tot Ion: 99 Resp: 45903

Ion Ratio Lower Upper

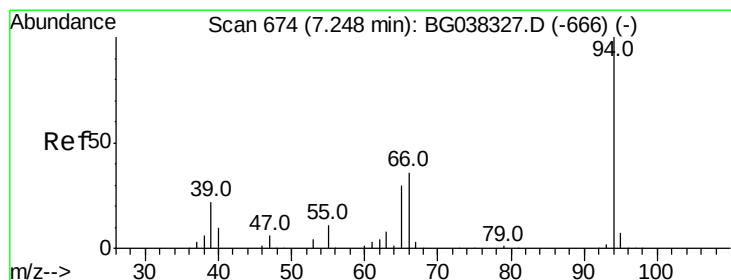
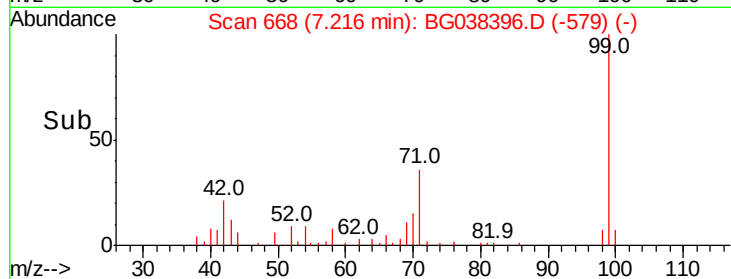
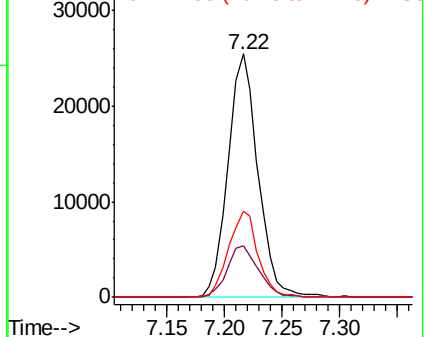
99 100

42 21.2 15.0 22.4

71 35.6 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



#10

Phenol

Concen: 2.965 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG038396.D

Acq: 7 Dec 2018 00:26

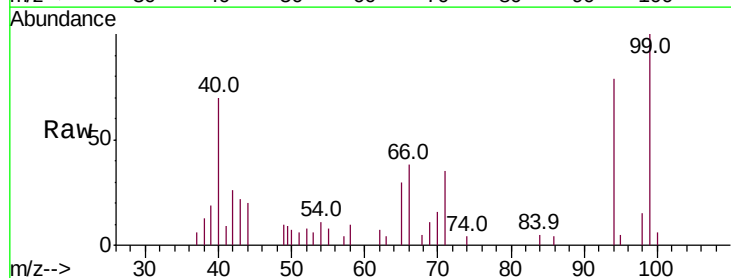
Tgt Ion: 94 Resp: 5745

Ion Ratio Lower Upper

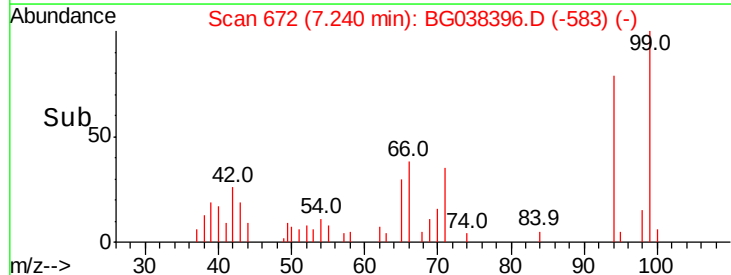
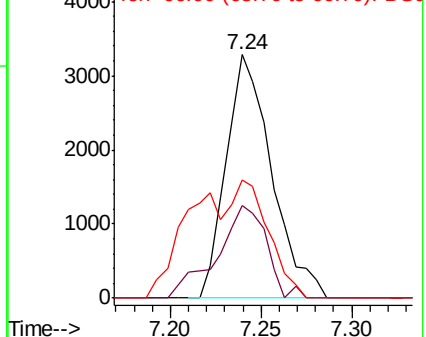
94 100

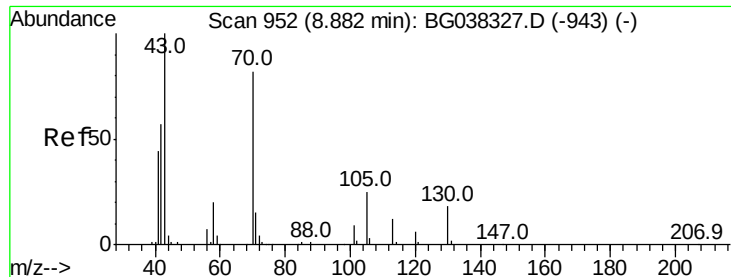
65 38.1 9.7 49.7

66 48.3 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

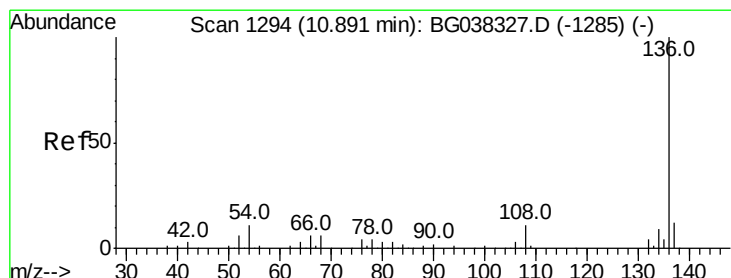
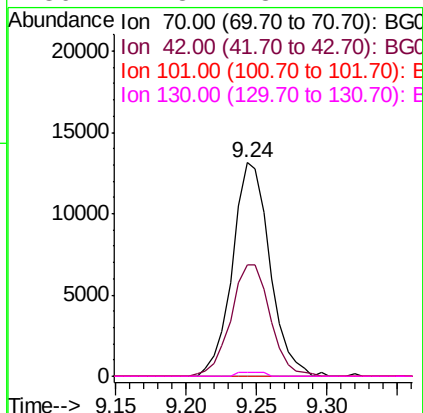
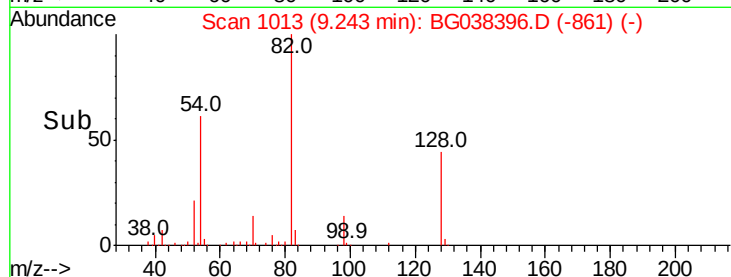
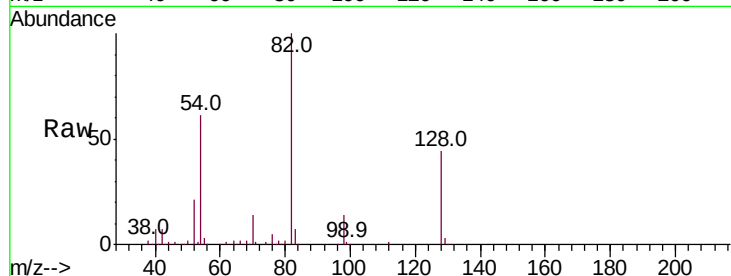




#19
n-Nitroso-di-n-propylamine
Concen: 16.934 ng
RT: 9.24 min Scan# 1013
Delta R.T. 0.36 min
Lab File: BG038396.D
Acq: 7 Dec 2018 00:26

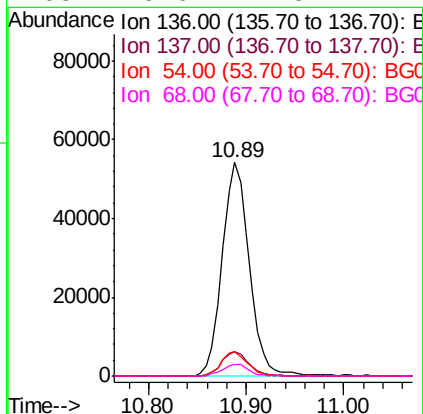
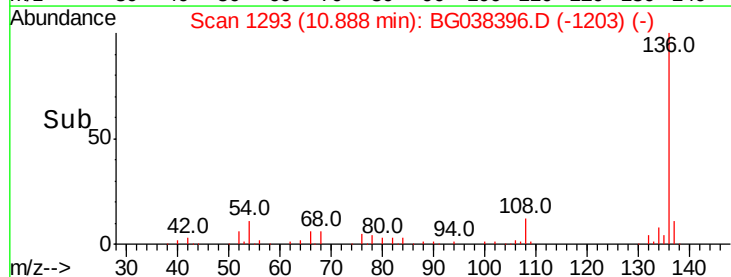
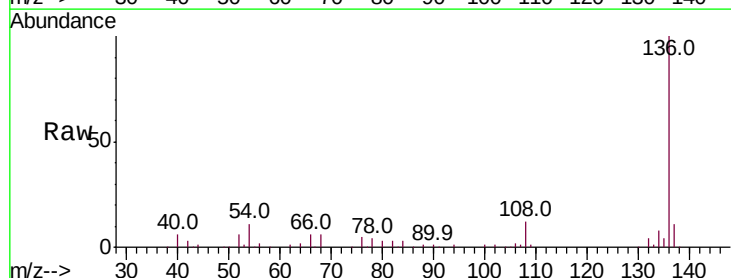
Instrument :
BNA_G
ClientSampleId :

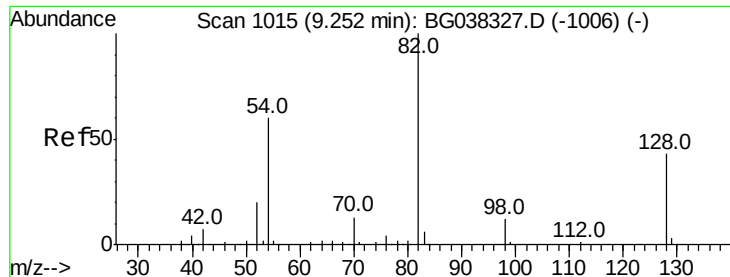
Tot Ion: 70 Resp: 24327
Ion Ratio Lower Upper
70 100
42 52.0 53.9 80.9#
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038396.D
Acq: 7 Dec 2018 00:26

Tgt Ion:136 Resp: 104661
Ion Ratio Lower Upper
136 100
137 11.2 9.6 14.4
54 11.3 7.9 11.9
68 5.6 4.8 7.2

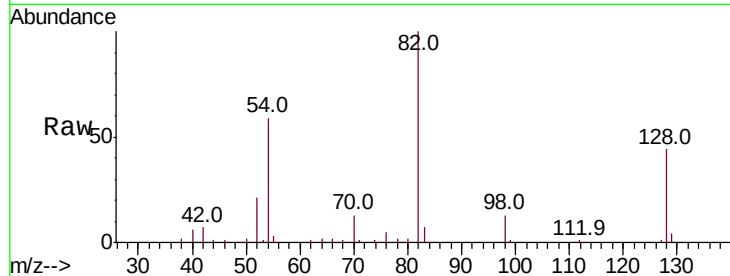




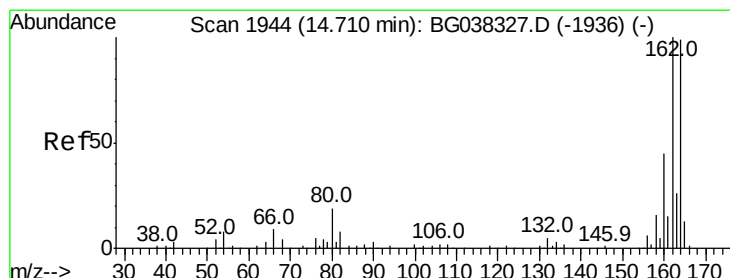
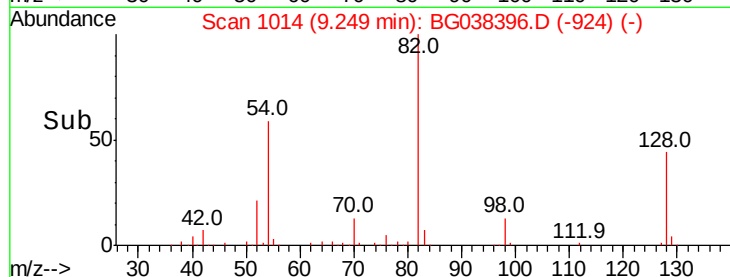
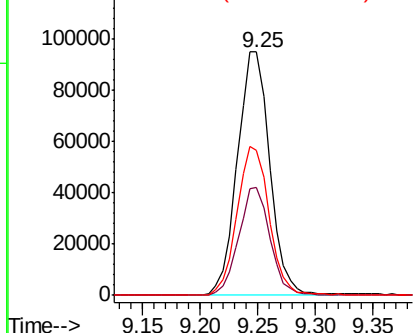
#23
Nitrobenzene-d5
Concen: 88.112 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG038396.D
Acq: 7 Dec 2018 00:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 185745
Ion Ratio Lower Upper
82 100
128 44.1 34.6 51.8
54 59.5 45.3 67.9

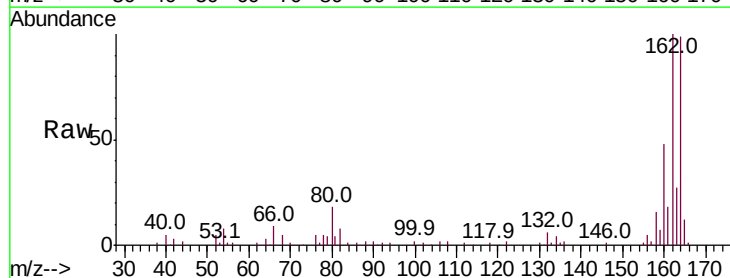


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

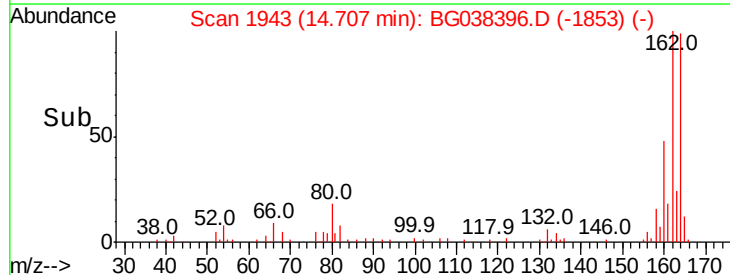
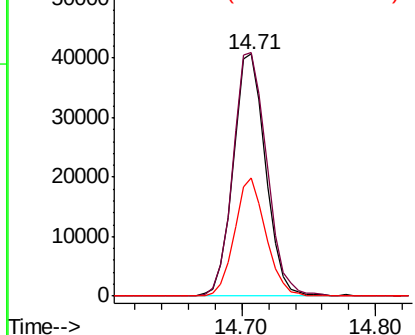


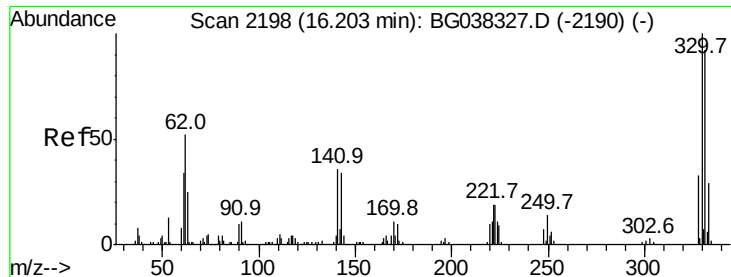
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BG038396.D
Acq: 7 Dec 2018 00:26

Tgt Ion:164 Resp: 68181
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 48.7 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

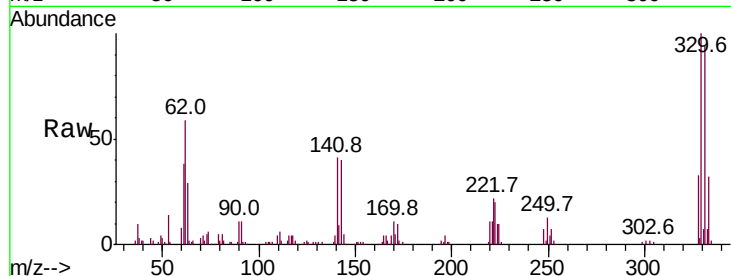




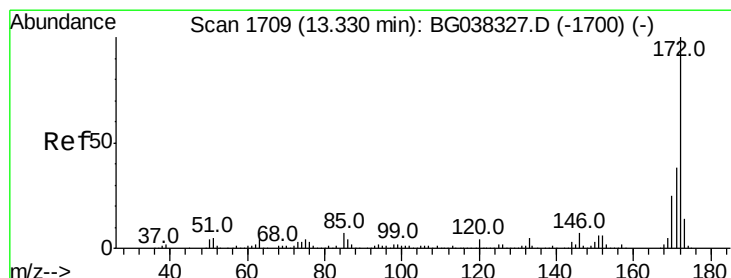
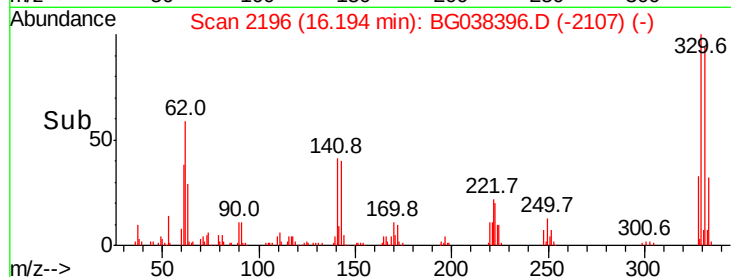
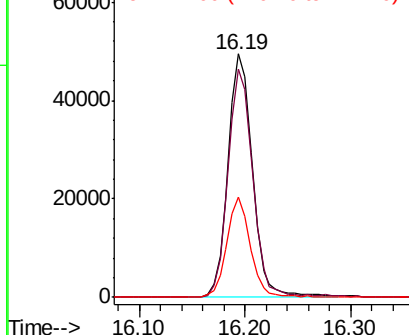
#42
 2,4,6-Tribromophenol
 Concen: 94.733 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038396.D
 Acq: 7 Dec 2018 00:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 79292
 Ion Ratio Lower Upper
 330 100
 332 93.9 78.4 117.6
 141 39.6 32.2 48.2

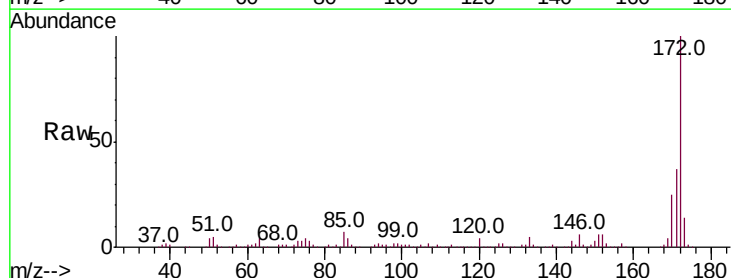


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

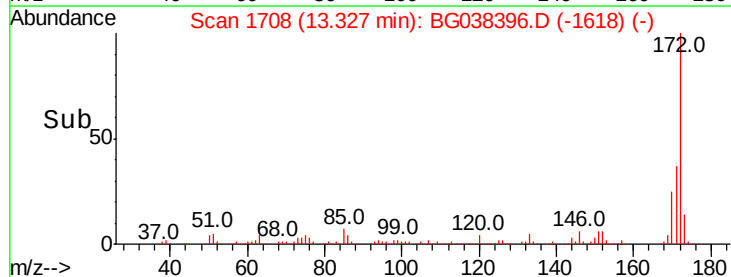
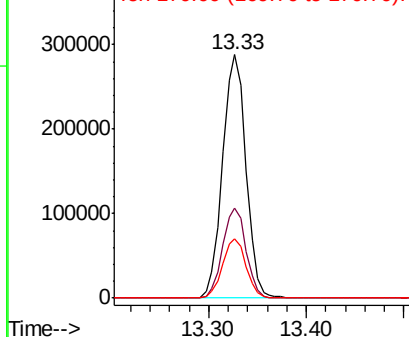


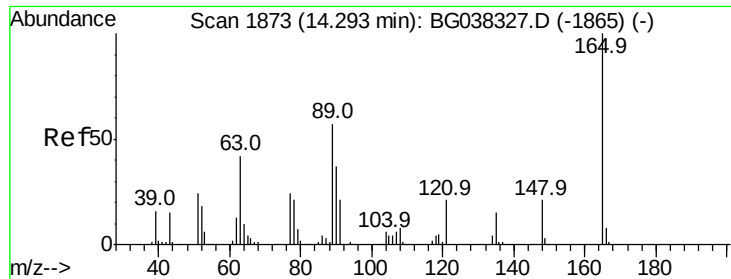
#45
 2-Fluorobiphenyl
 Concen: 100.159 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038396.D
 Acq: 7 Dec 2018 00:26

Tgt Ion:172 Resp: 479255
 Ion Ratio Lower Upper
 172 100
 171 37.1 31.0 46.4
 170 24.6 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

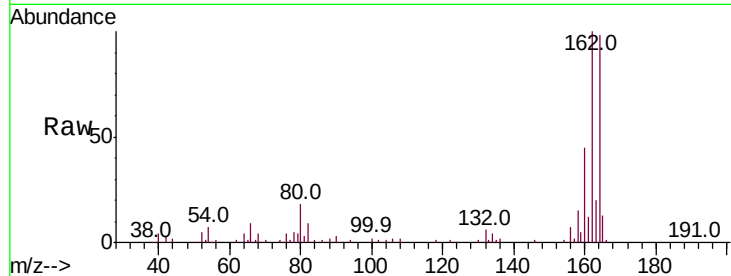




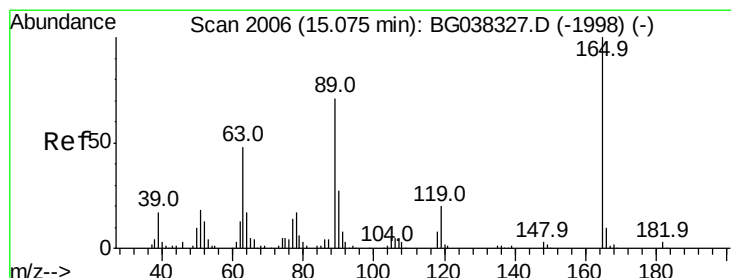
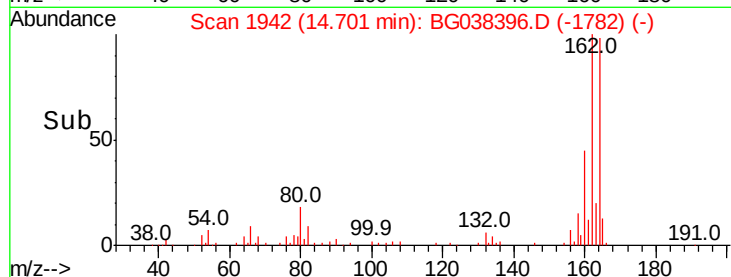
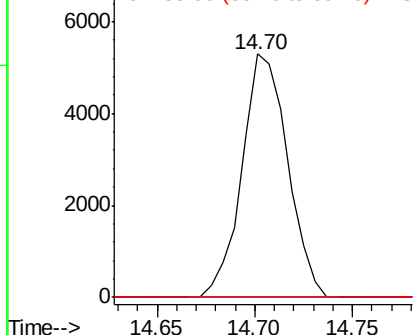
#51
 2,6-Dinitrotoluene
 Concen: 6.858 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.41 min
 Lab File: BG038396.D
 Acq: 7 Dec 2018 00:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



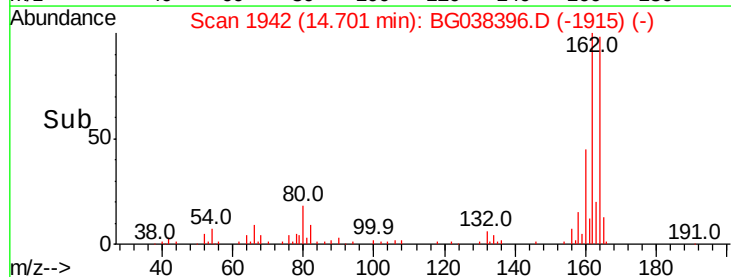
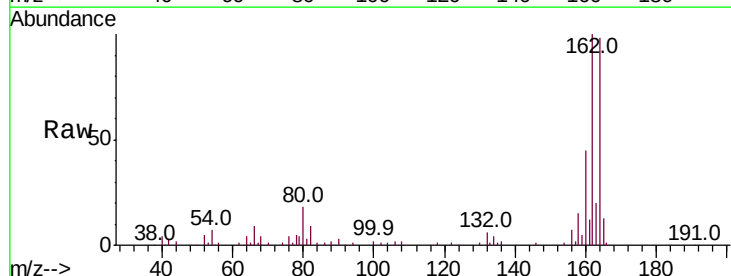
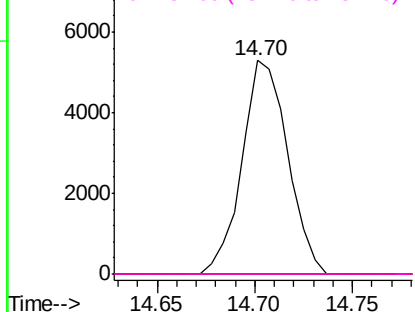
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

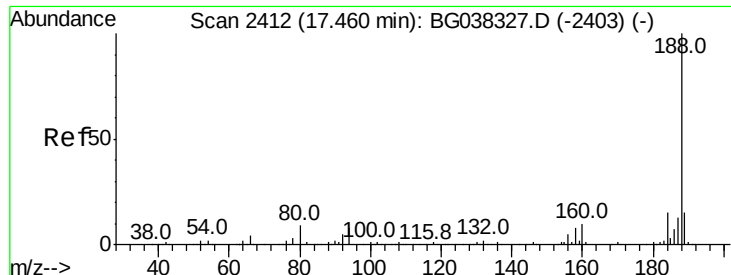


#57
 2,4-Dinitrotoluene
 Concen: 4.972 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.37 min
 Lab File: BG038396.D
 Acq: 7 Dec 2018 00:26

Tgt 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: 17.46 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG038396.D

Acq: 7 Dec 2018 00:26

Instrument :

BNA_G

ClientSampled :

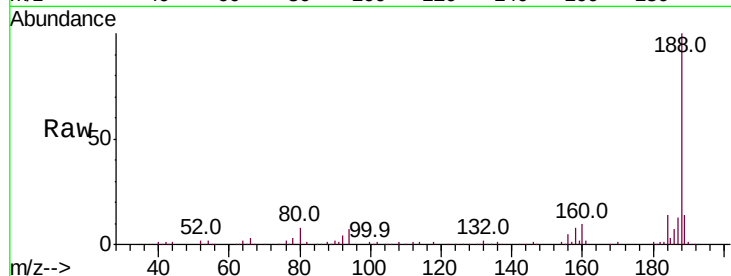
Tot Ion:188 Resp: 176161

Ion Ratio Lower Upper

188 100

94 7.3 7.2 10.8

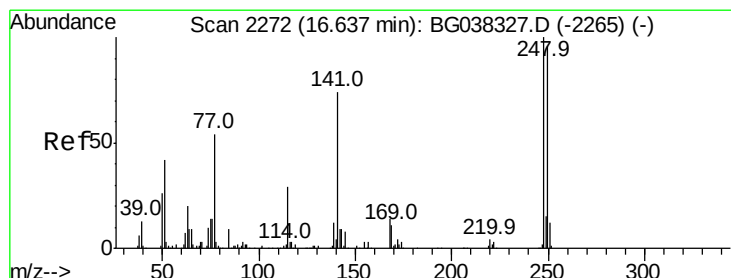
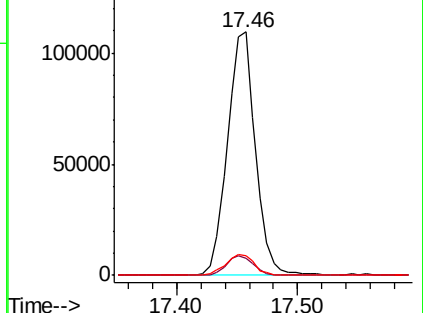
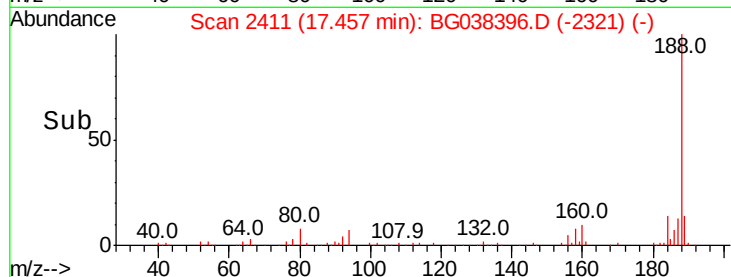
80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

150000 Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 2.886 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.44 min

Lab File: BG038396.D

Acq: 7 Dec 2018 00:26

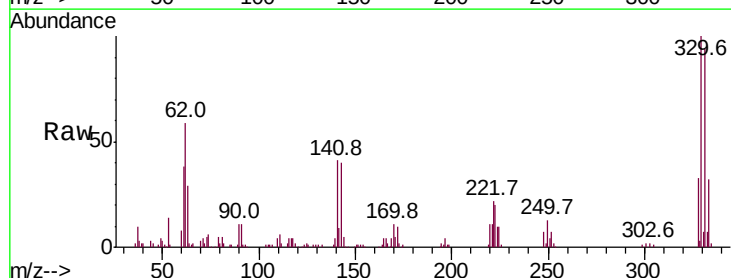
Tgt Ion:248 Resp: 5491

Ion Ratio Lower Upper

248 100

250 184.8 77.0 115.6#

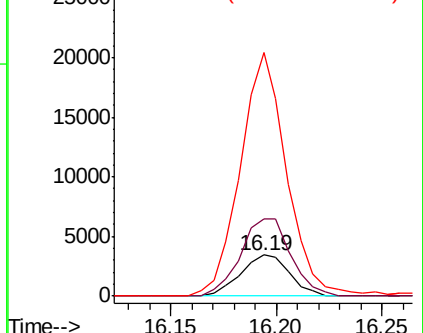
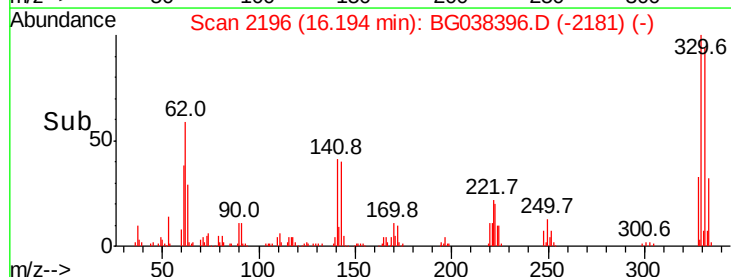
141 445.9 55.5 83.3#

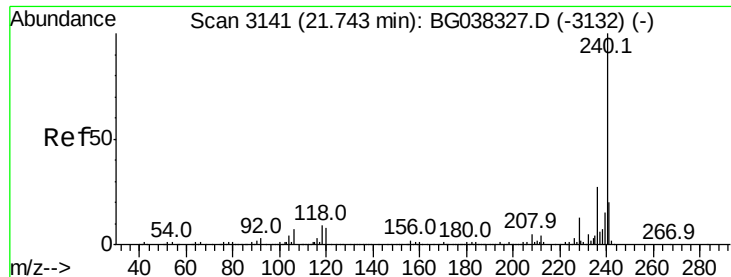


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

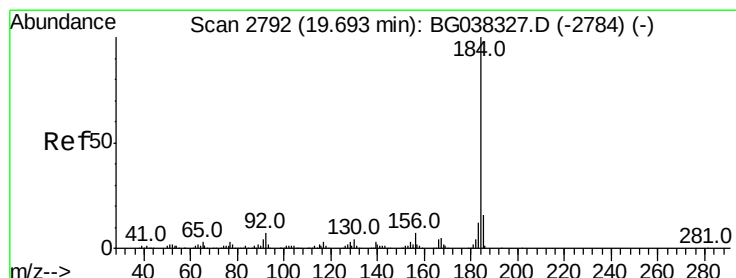
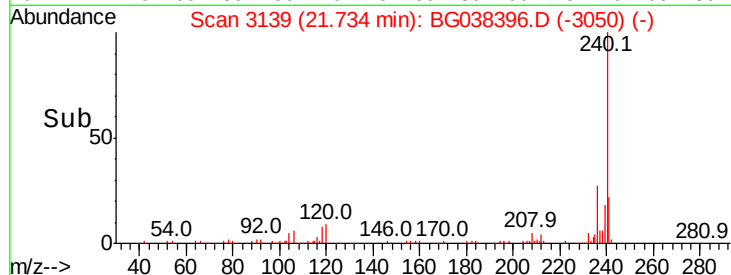
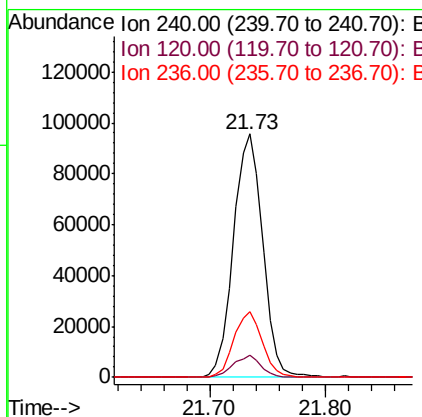
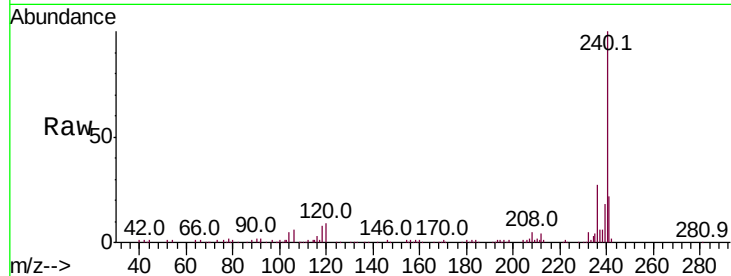




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG038396.D
 Acq: 7 Dec 2018 00:26

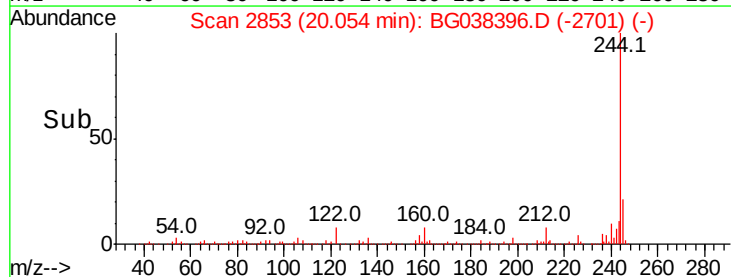
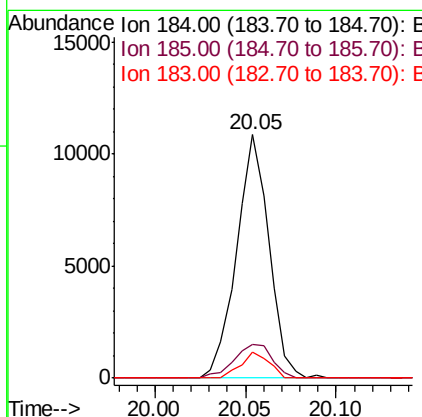
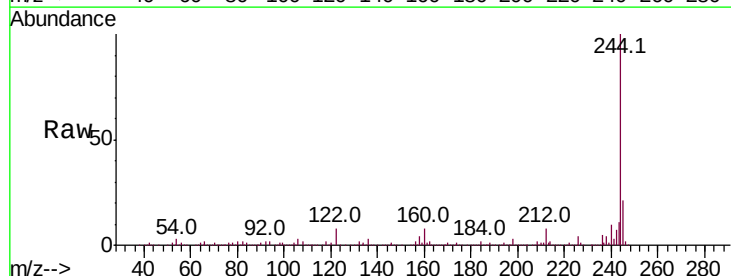
Instrument :
 BNA_G
 ClientSampleId :

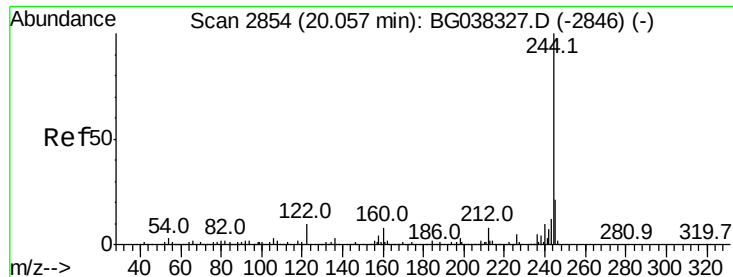
Tot Ion:240 Resp: 167998
 Ion Ratio Lower Upper
 240 100
 120 9.3 8.1 12.1
 236 27.2 21.4 32.0



#77
 Benzidine
 Concen: 2.370 ng
 RT: 20.05 min Scan# 2853
 Delta R.T. 0.36 min
 Lab File: BG038396.D
 Acq: 7 Dec 2018 00:26

Tgt Ion:184 Resp: 13436
 Ion Ratio Lower Upper
 184 100
 185 13.9 12.6 18.8
 183 10.7 10.2 15.2





#79

Terphenyl-d14

Concen: 96.519 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038396.D

Acq: 7 Dec 2018 00:26

Instrument :

BNA_G

ClientSampleId :

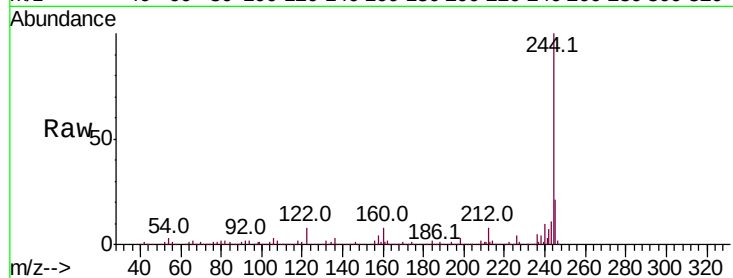
Tot Ion:244 Resp: 756911

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

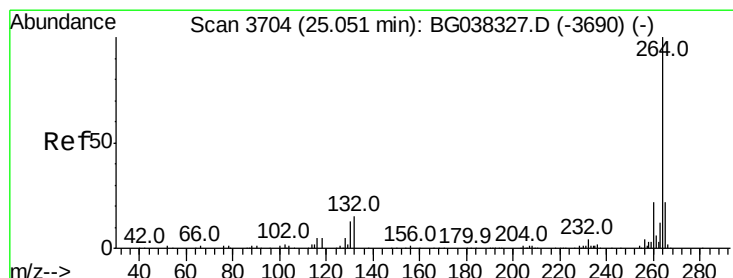
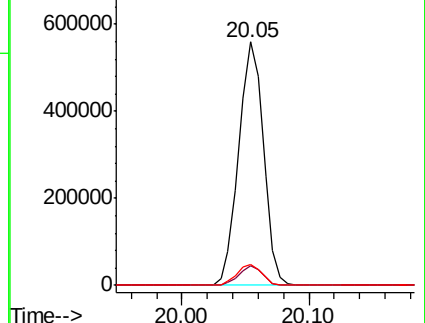
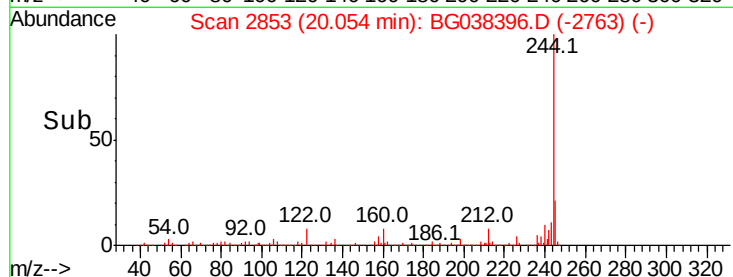
122 8.5 9.0 13.4#



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: 25.04 min Scan# 3701

Delta R.T. -0.01 min

Lab File: BG038396.D

Acq: 7 Dec 2018 00:26

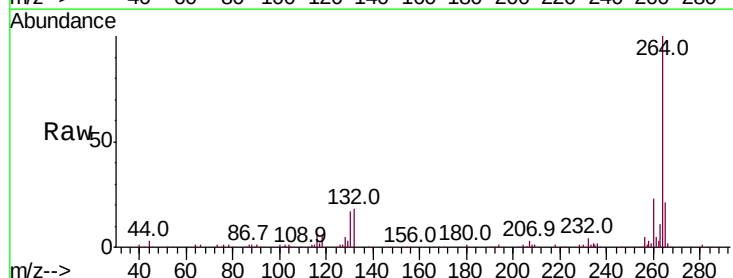
Tgt Ion:264 Resp: 212748

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 21.2 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

