

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121118\
 Data File : BG038492.D
 Acq On : 12 Dec 2018 7:07
 Operator : JU/SJ
 Sample : J6331-24
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 12 10:17:40 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

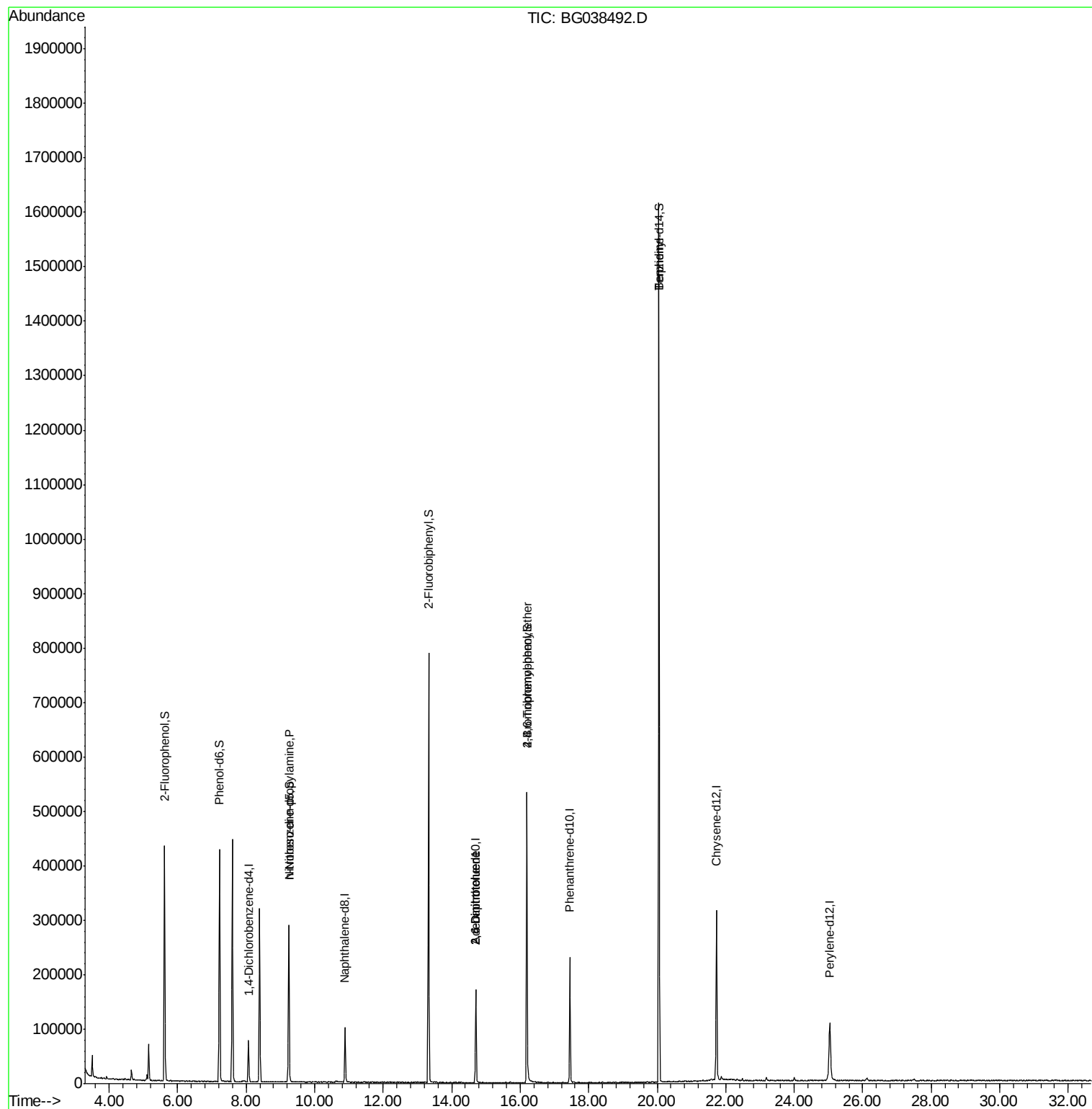
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	21204	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	91206	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	63153	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	155128	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	199436	20.00	ng	-0.01
87) Perylene-d12	25.04	264	155375	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	182334	152.17	ng	0.00
7) Phenol-d6	7.22	99	235187	135.80	ng	0.00
23) Nitrobenzene-d5	9.24	82	179390	97.65	ng	-0.01
42) 2,4,6-Tribromophenol	16.19	330	110058	141.96	ng	-0.01
45) 2-Fluorobiphenyl	13.33	172	428935	96.78	ng	0.00
79) Terphenyl-d14	20.05	244	791254	84.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	23904	17.712	ng	# 82
22) Acetophenone	8.90	105	139	Below Cal		# 48
51) 2,6-Dinitrotoluene	14.70	165	8126	7.023	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	8126	5.092	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	7196	4.296	ng	# 1
77) Benzidine	20.05	184	14028	2.084	ng	# 93

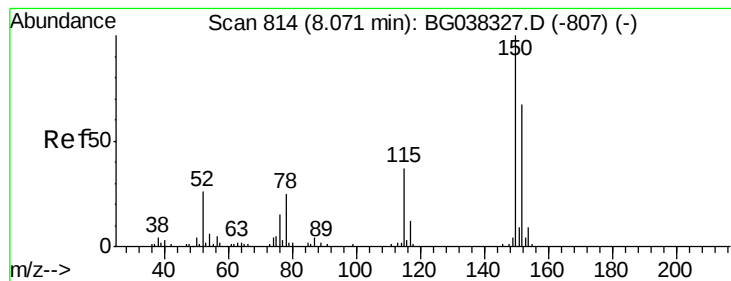
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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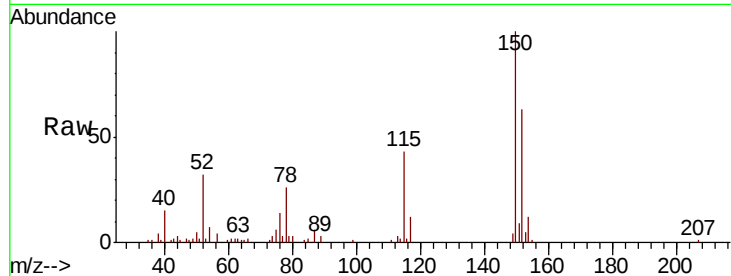


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.00 min
Lab File: BG038492.D
Acq: 12 Dec 2018 7:07

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.0	189.0
115	68.1	45.5	68.3

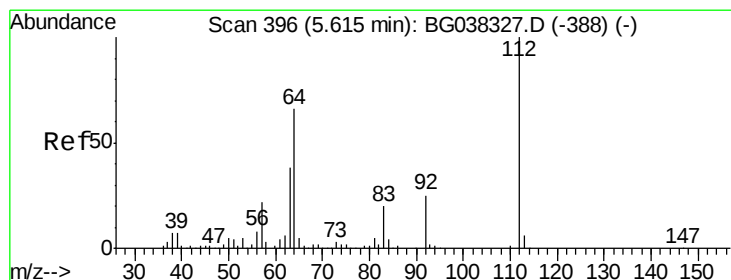
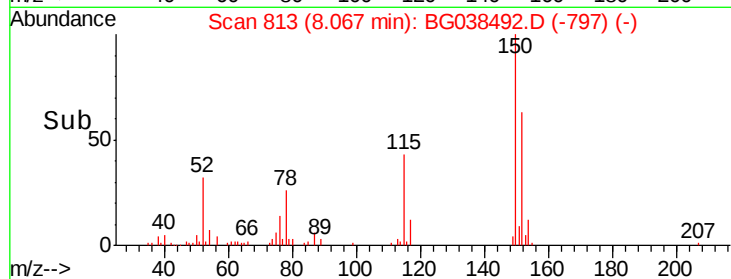
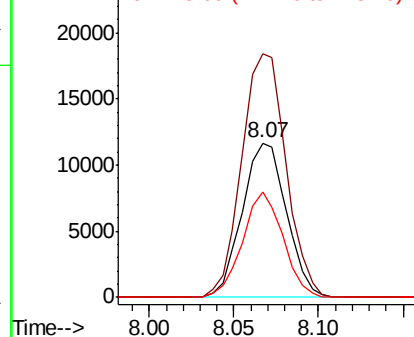


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

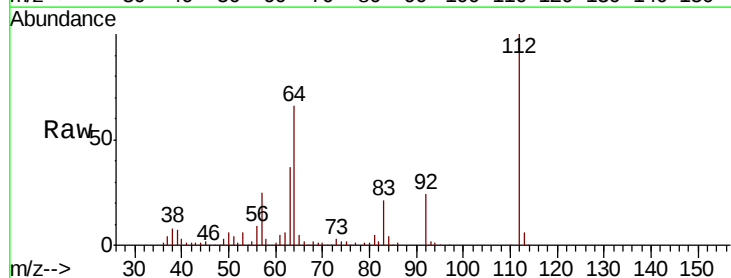
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 152.172 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038492.D
Acq: 12 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	53.1	79.7
63	37.4	27.3	40.9

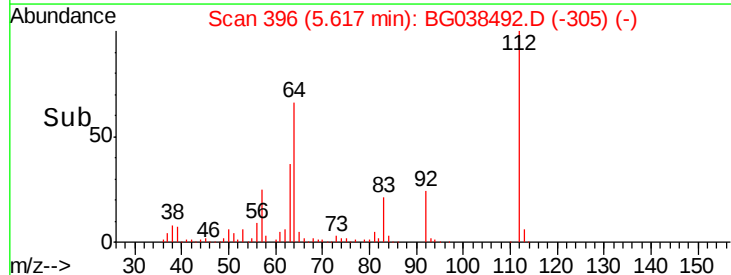
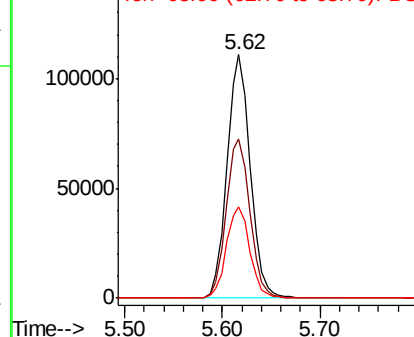


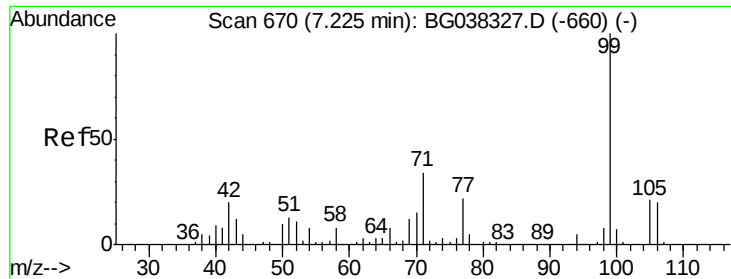
Abundance

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: 135.804 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA_G

ClientSampleId :

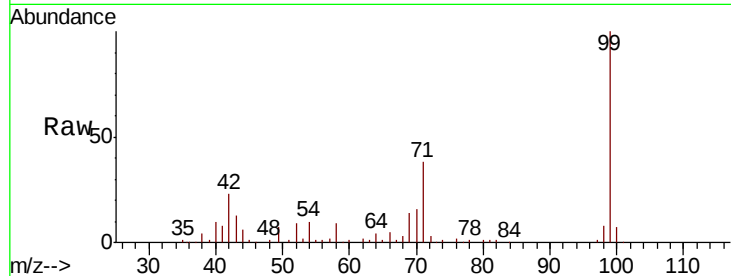
Tot Ion: 99 Resp: 235187

Ion Ratio Lower Upper

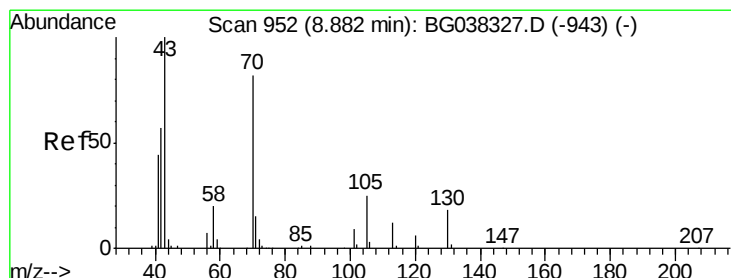
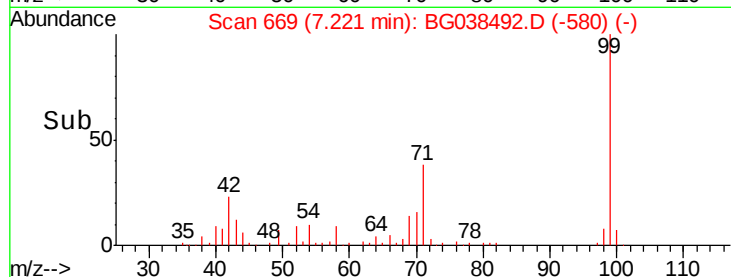
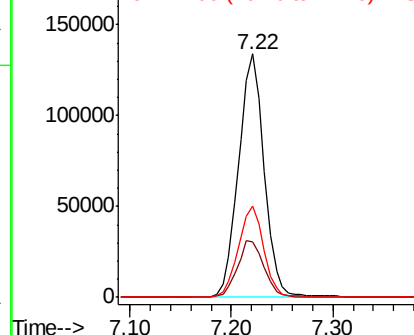
99 100

42 23.0 15.0 22.4#

71 37.7 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: 17.712 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Tgt Ion: 70 Resp: 23904

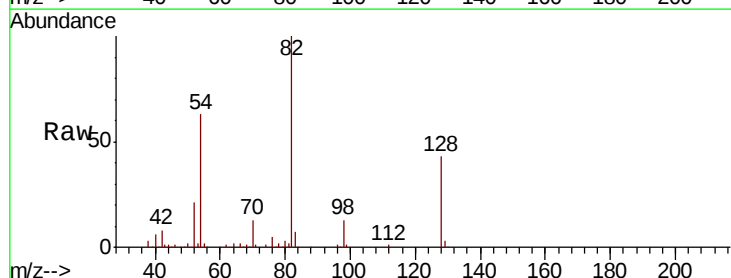
Ion Ratio Lower Upper

70 100

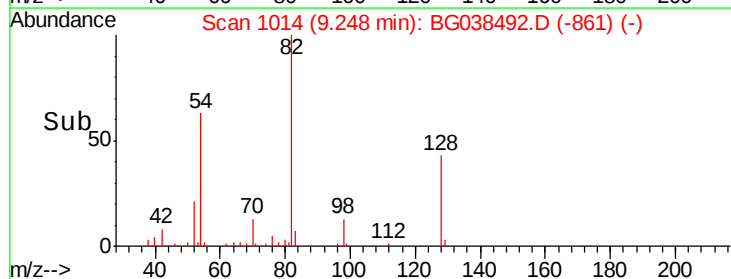
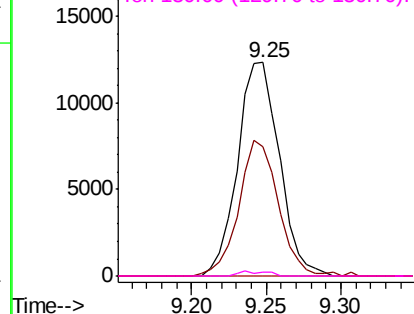
42 60.8 53.9 80.9

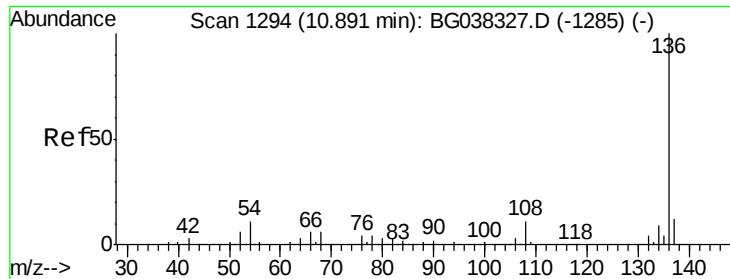
101 0.0 8.2 12.2#

130 1.6 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: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 91206

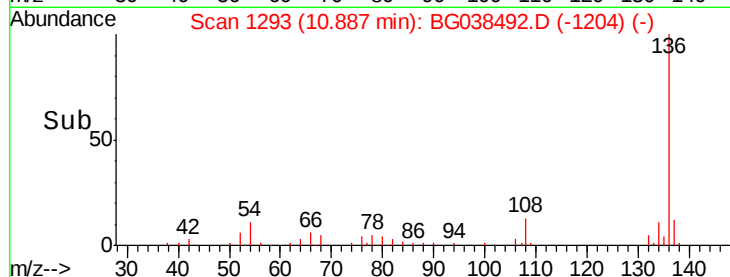
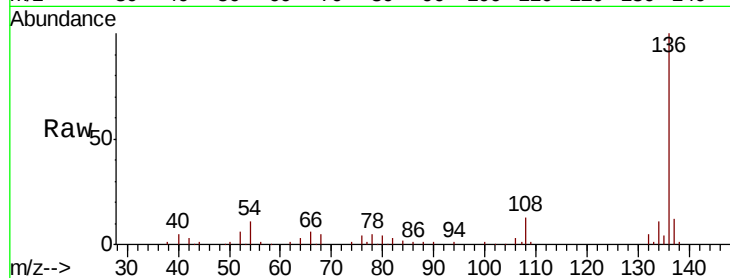
Ion Ratio Lower Upper

136 100

137 12.3 9.6 14.4

54 11.1 7.9 11.9

68 5.1 4.8 7.2

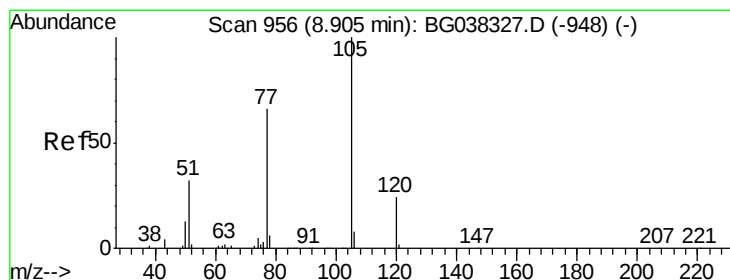
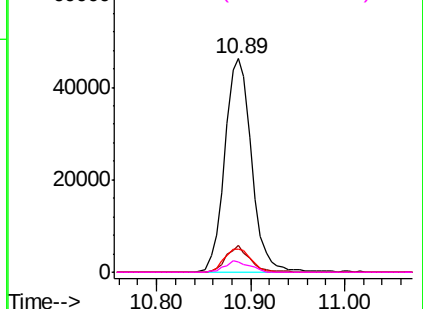


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#22

Acetophenone

Concen: Below Cal

RT: 8.90 min Scan# 955

Delta R.T. -0.00 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Tgt Ion:105 Resp: 139

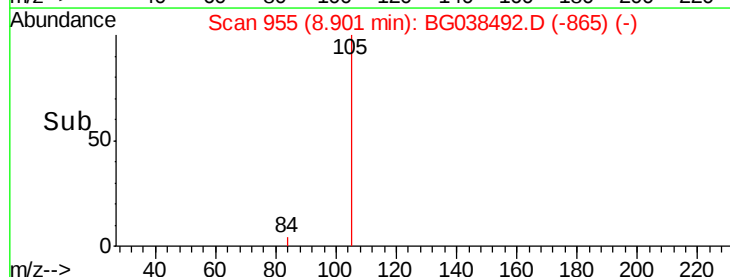
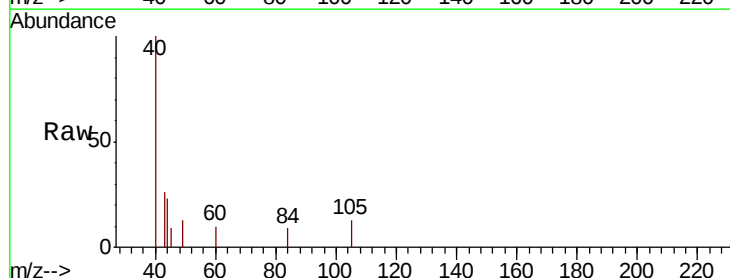
Ion Ratio Lower Upper

105 100

71 0.0 1.2 1.8#

51 0.0 25.0 37.6#

120 0.0 18.6 28.0#

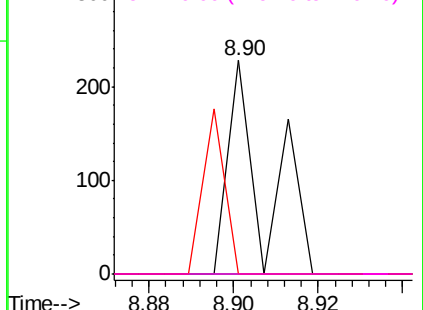


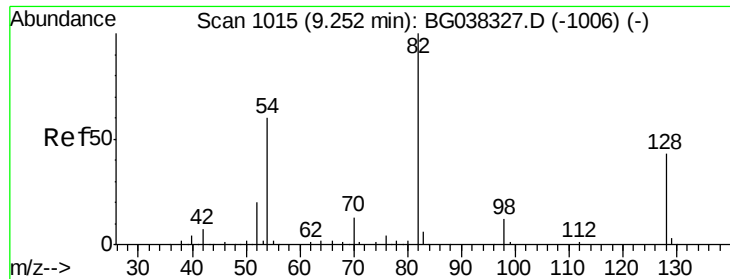
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E

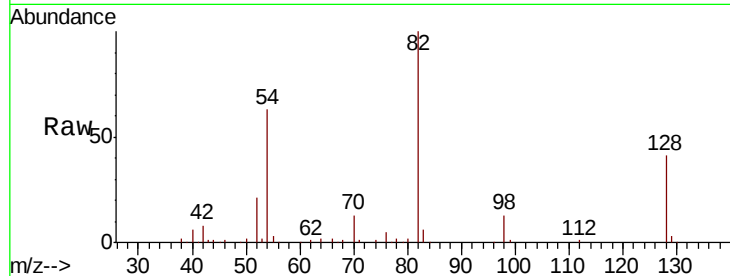




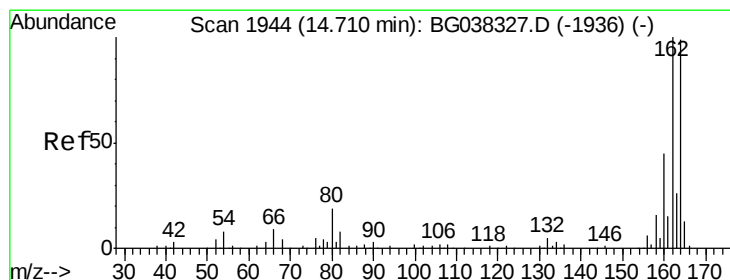
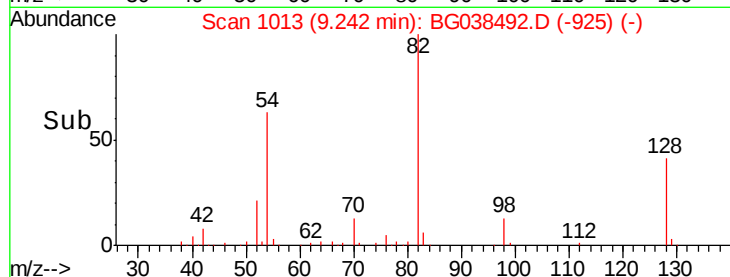
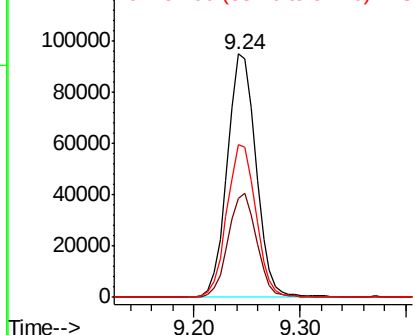
#23
Nitrobenzene-d5
Concen: 97.651 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG038492.D
Acq: 12 Dec 2018 7:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	179390
Ion Ratio	Lower	Upper	
82	100		
128	40.9	34.6	51.8
54	62.6	45.3	67.9

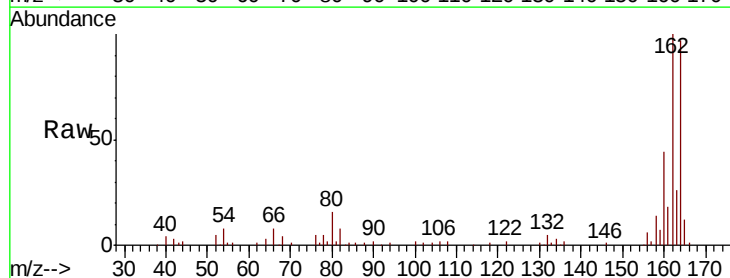


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

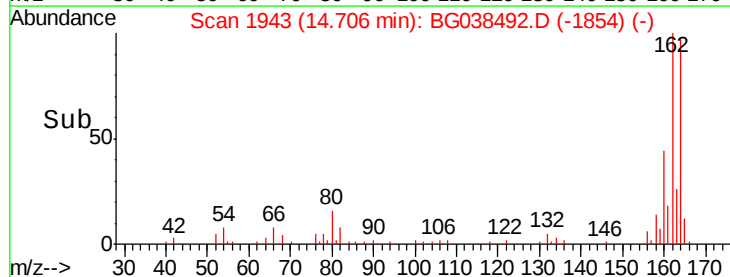
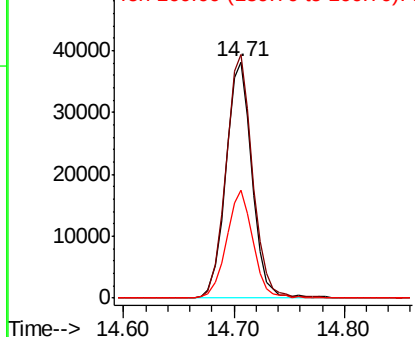


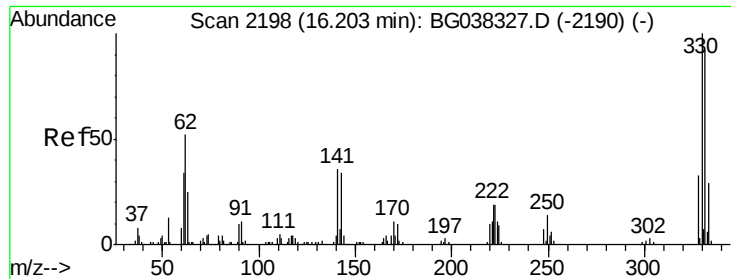
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BG038492.D
Acq: 12 Dec 2018 7:07

Tgt Ion	164	Resp	63153
Ion Ratio	Lower	Upper	
164	100		
162	103.1	81.3	121.9
160	45.8	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

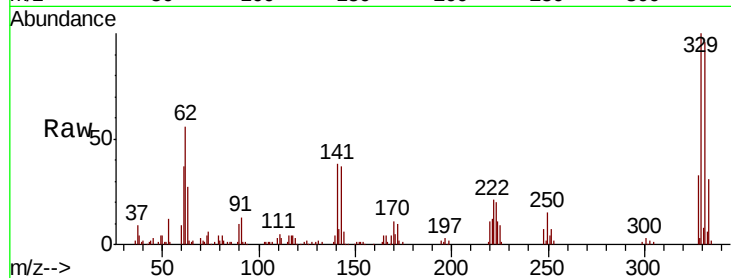




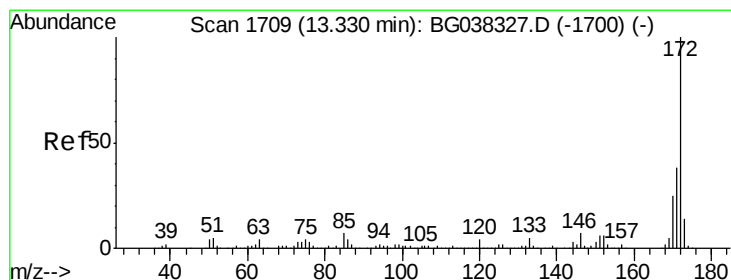
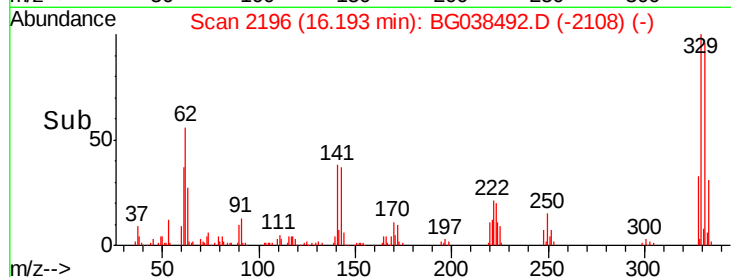
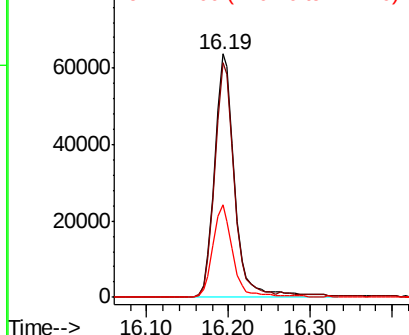
#42
 2,4,6-Tribromophenol
 Concen: 141.959 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038492.D
 Acq: 12 Dec 2018 7:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	78.4	117.6
141	37.6	32.2	48.2

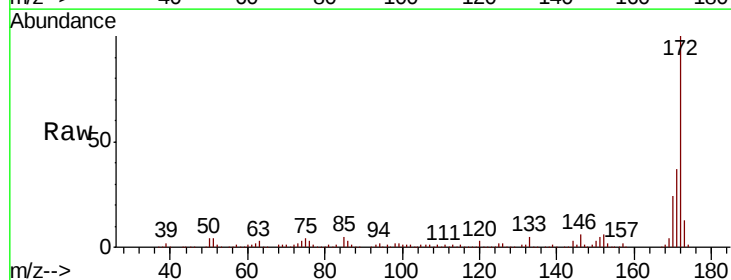


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

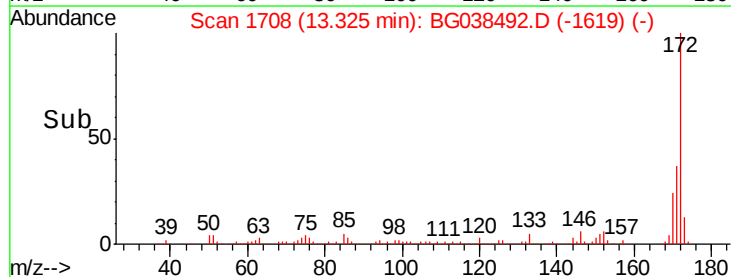
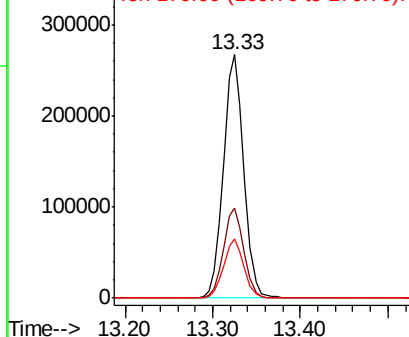


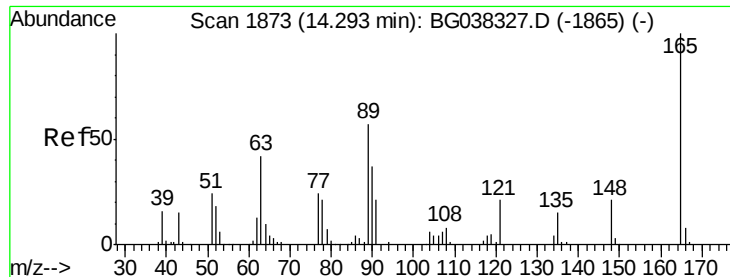
#45
 2-Fluorobiphenyl
 Concen: 96.780 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038492.D
 Acq: 12 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	31.0	46.4
170	24.1	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: 7.023 ng

RT: 14.70 min Scan# 1942

Delta R.T. 0.41 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA_G

ClientSampleId :

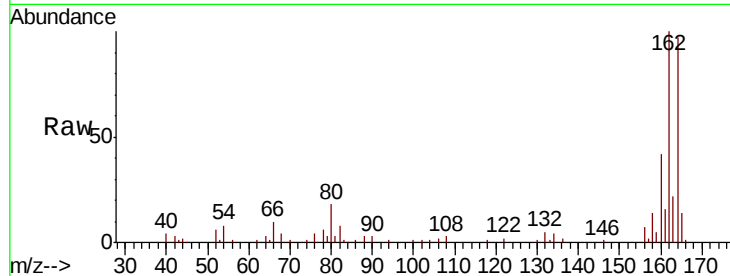
Tot Ion:165 Resp: 8126

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

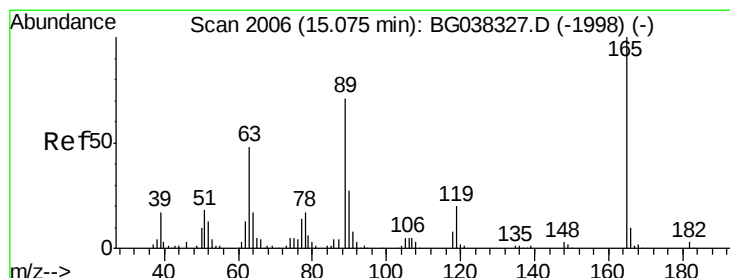
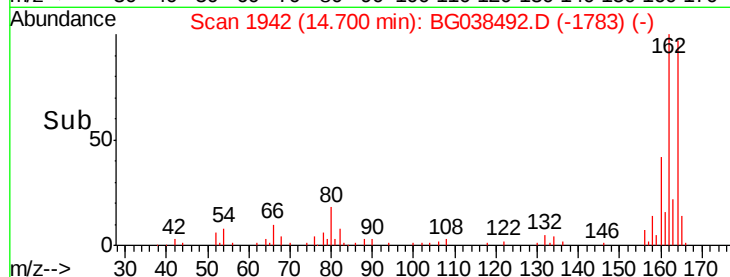
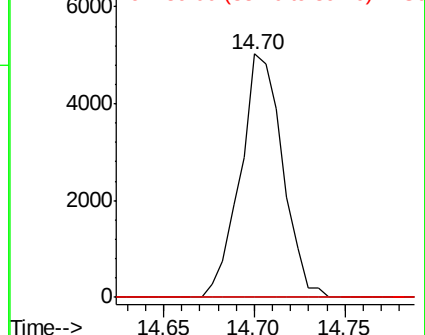
89 0.0 45.8 68.6#



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: 5.092 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.37 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Tgt Ion:165 Resp: 8126

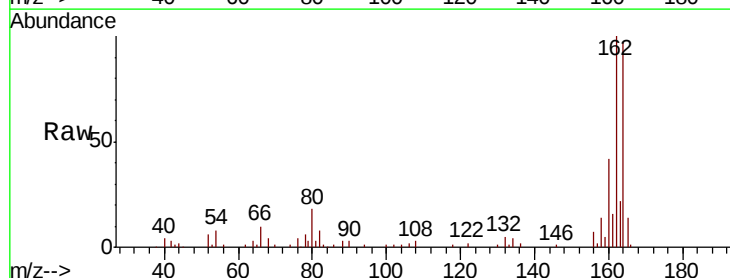
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

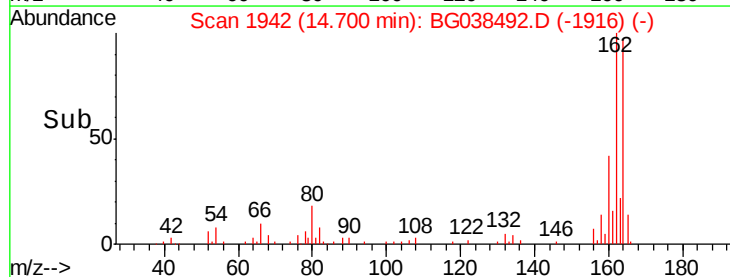
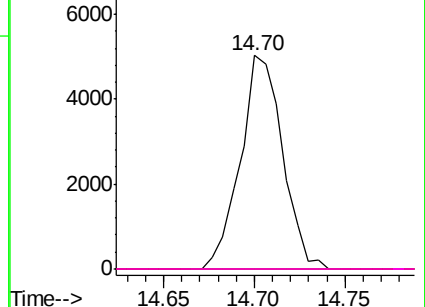


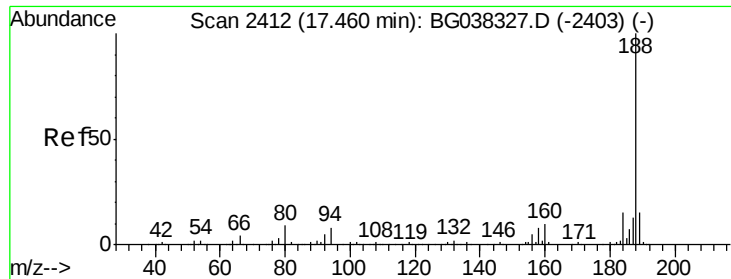
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA_G

ClientSampleId :

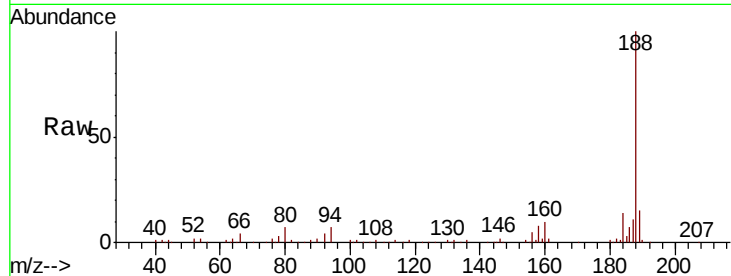
Tot Ion:188 Resp: 155128

Ion Ratio Lower Upper

188 100

94 7.1 7.2 10.8#

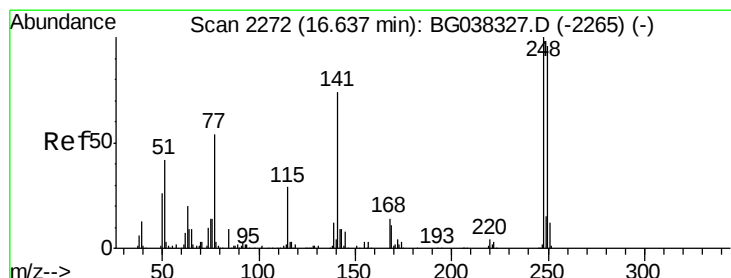
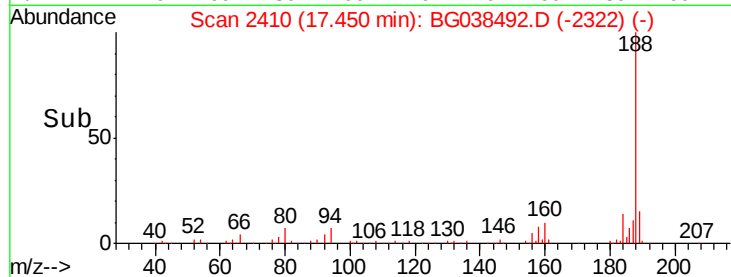
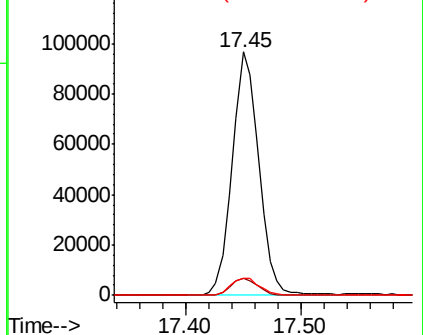
80 7.1 7.7 11.5#



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: 4.296 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.44 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

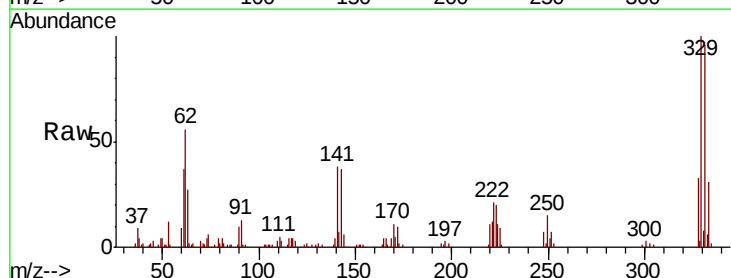
Tgt Ion:248 Resp: 7196

Ion Ratio Lower Upper

248 100

250 200.1 77.0 115.6#

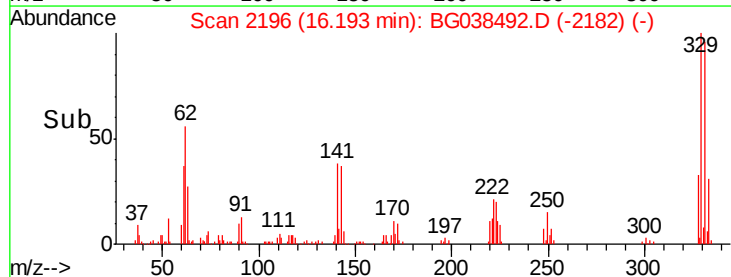
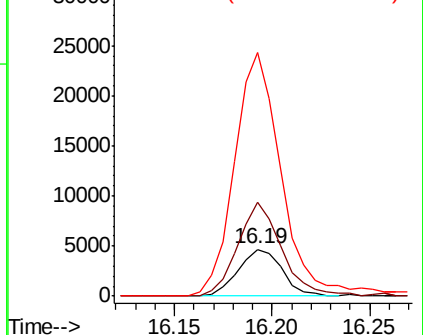
141 407.2 55.5 83.3#

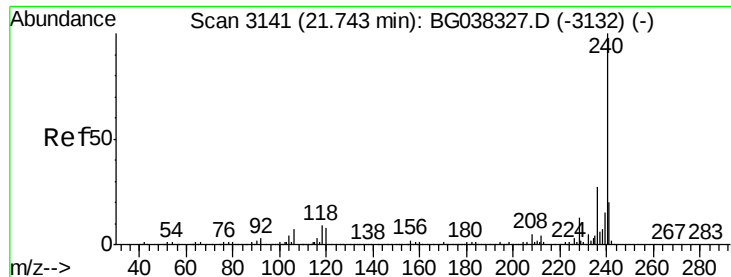


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

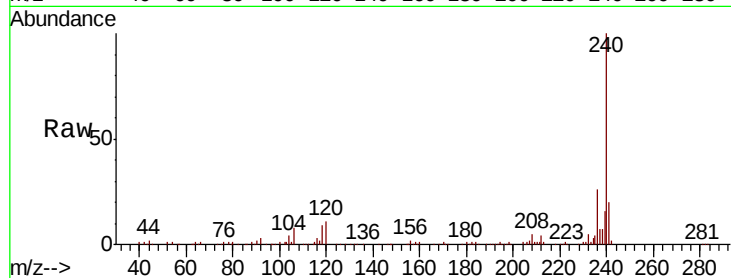




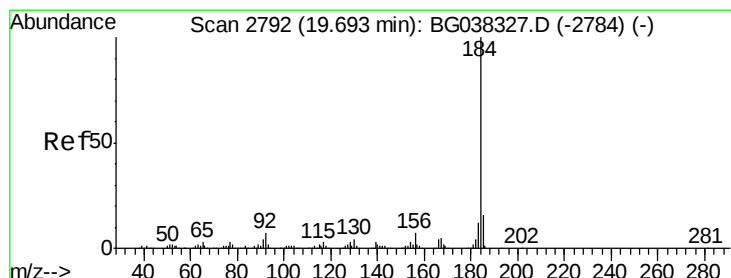
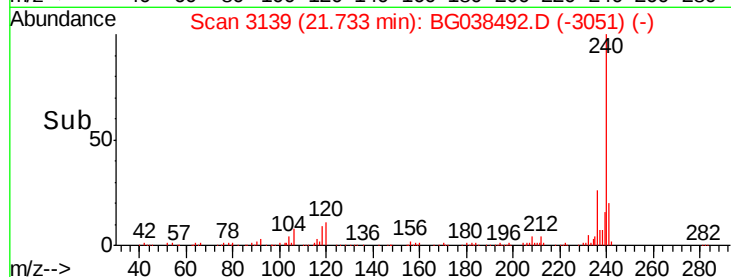
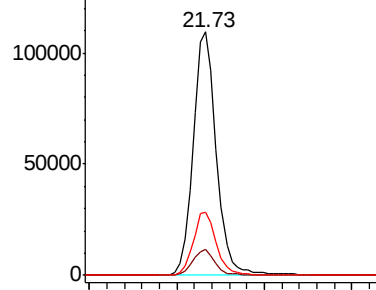
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038492.D
Acq: 12 Dec 2018 7:07

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.1	12.1
236	25.9	21.4	32.0

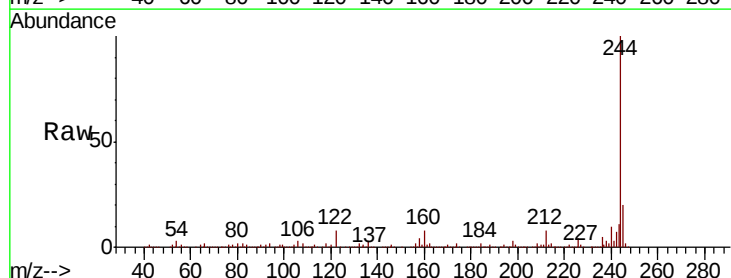


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

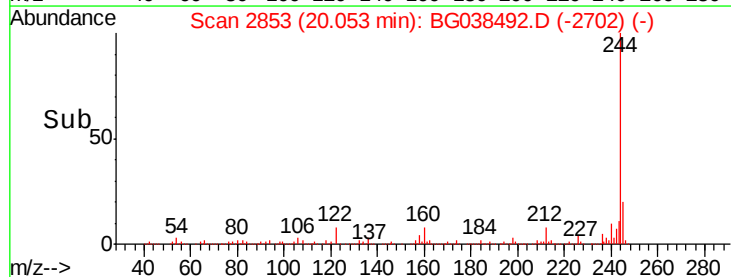
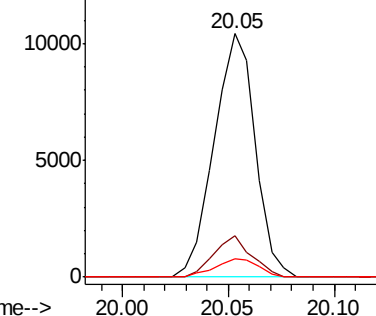


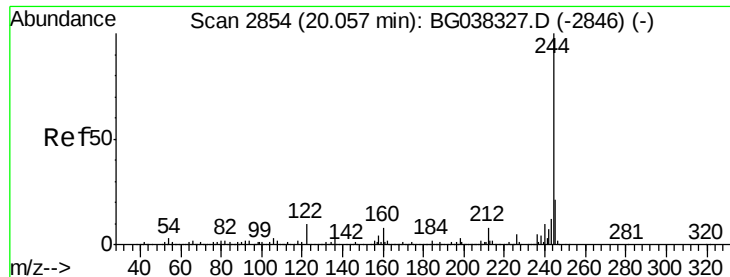
#77
Benzidine
Concen: 2.084 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038492.D
Acq: 12 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.7	12.6	18.8
183	7.4	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: 84.993 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA_G

ClientSampleId :

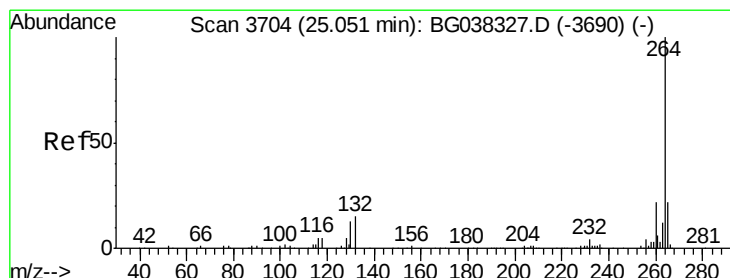
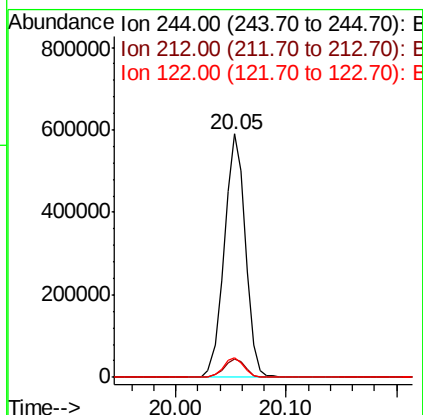
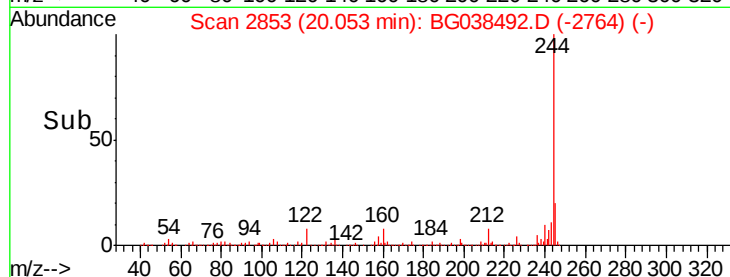
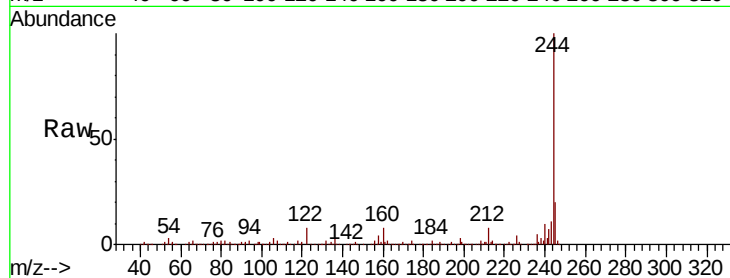
Tot Ion:244 Resp: 791254

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 8.0 9.0 13.4#



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Tgt Ion:264 Resp: 155375

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 21.9 17.9 26.9

