

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038383.D
 Acq On : 6 Dec 2018 14:10
 Operator : JU/SJ
 Sample : PB115178TB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 06 15:17:48 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

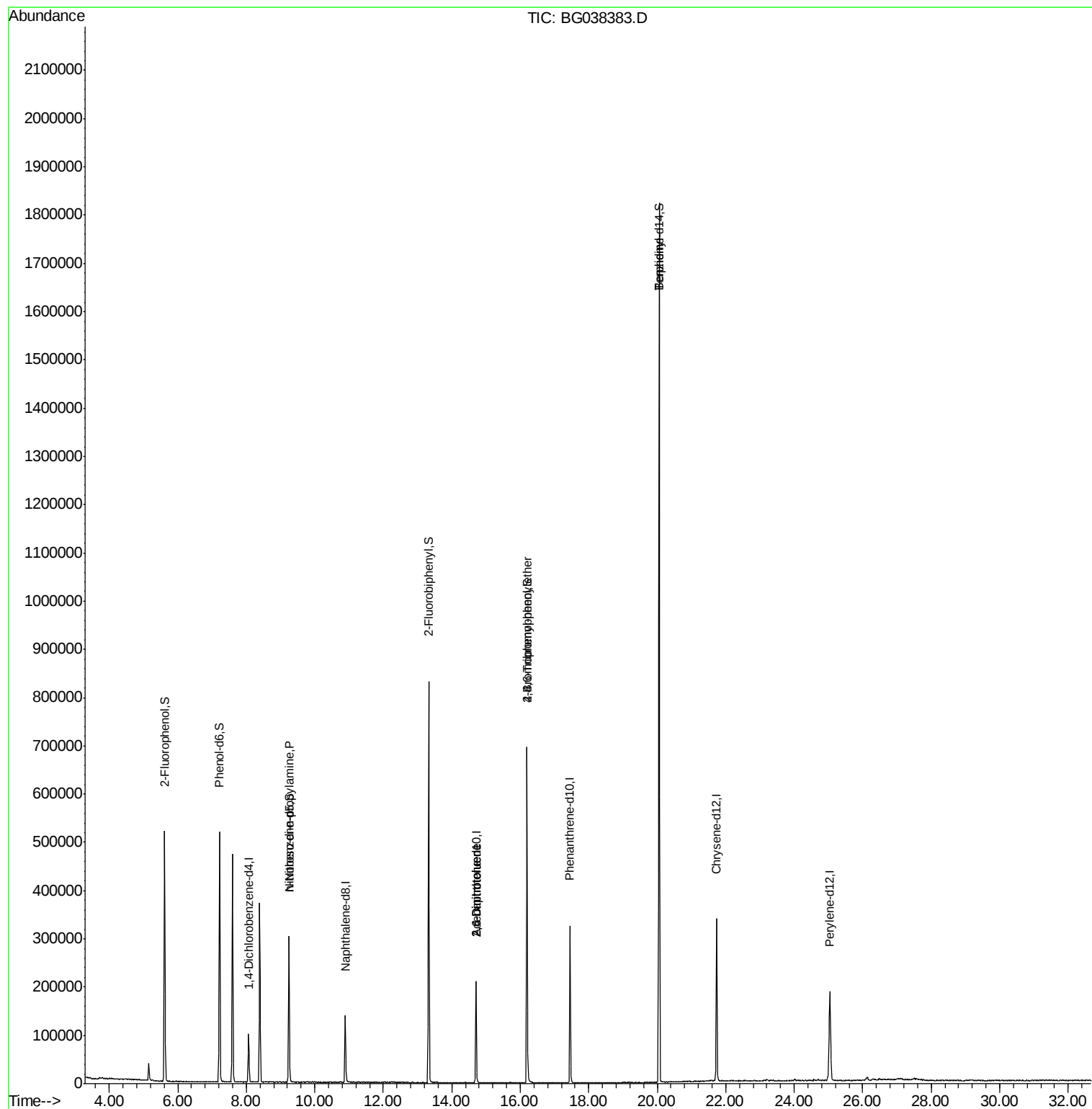
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	27602	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	129190	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	79457	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	214450	20.00	ng	0.00
76) Chrysene-d12	21.73	240	218536	20.00	ng	-0.01
87) Perylene-d12	25.04	264	224331	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	225536	144.60	ng	0.00
7) Phenol-d6	7.22	99	298278	132.31	ng	0.00
23) Nitrobenzene-d5	9.24	82	188702	72.52	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	133602	136.97	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	455405	81.67	ng	0.00
79) Terphenyl-d14	20.06	244	888472	87.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	24185	13.271	ng	# 77
51) 2,6-Dinitrotoluene	14.70	165	10241	7.035	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	10241	5.100	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	9008	3.890	ng	# 1
77) Benzidine	20.06	184	15910	2.157	ng	# 92

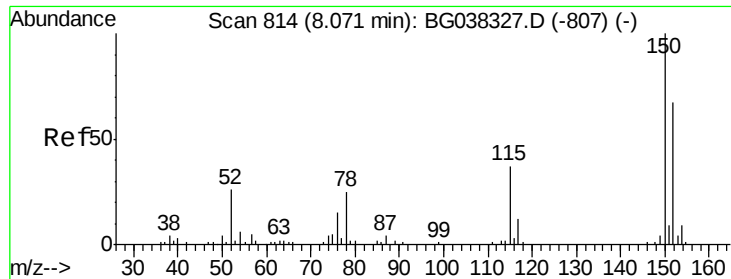
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



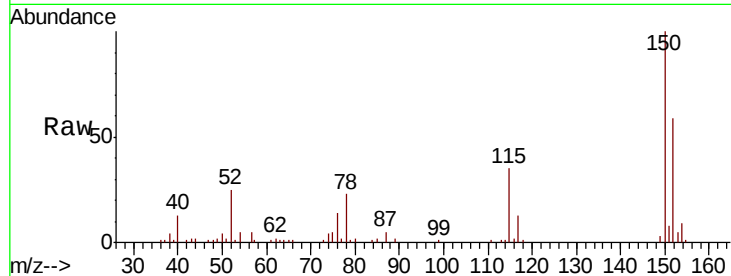


#1

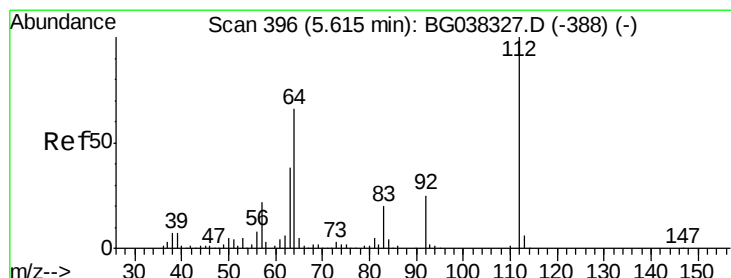
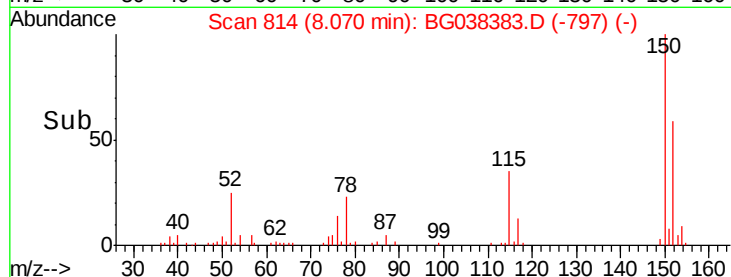
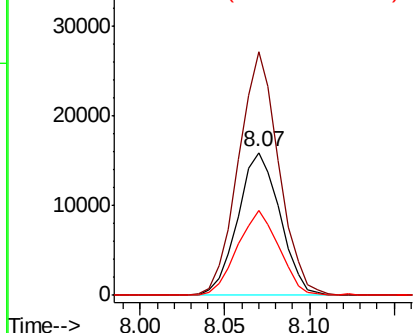
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG038383.D
Acq: 6 Dec 2018 14:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27602
Ion Ratio Lower Upper
152 100
150 170.4 126.0 189.0
115 59.6 45.5 68.3



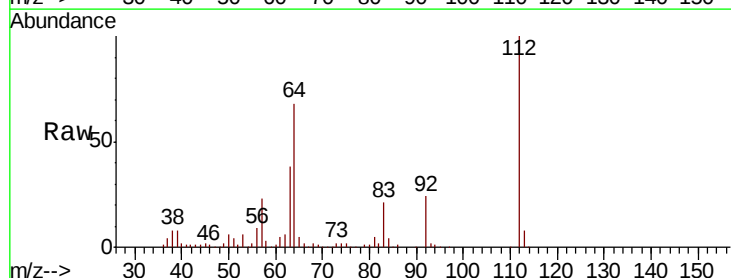
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



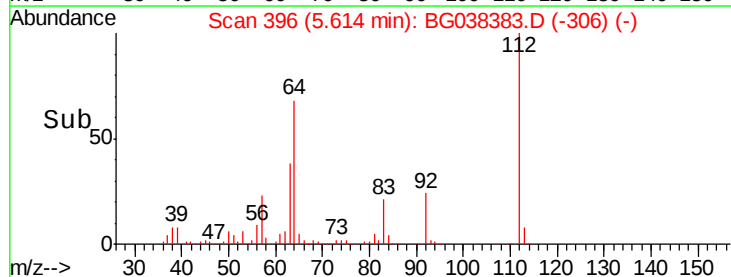
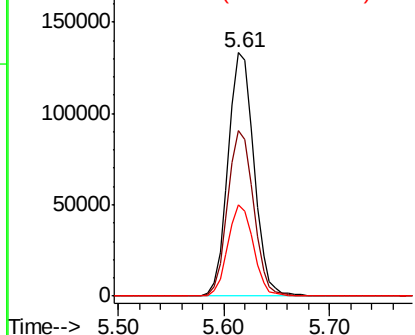
#5

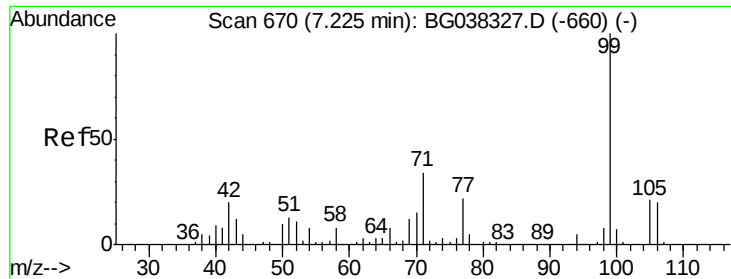
2-Fluorophenol
Concen: 144.598 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038383.D
Acq: 6 Dec 2018 14:10

Tgt Ion:112 Resp: 225536
Ion Ratio Lower Upper
112 100
64 67.9 53.1 79.7
63 37.7 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: 132.312 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038383.D

Acq: 6 Dec 2018 14:10

Instrument :

BNA_G

ClientSampleId :

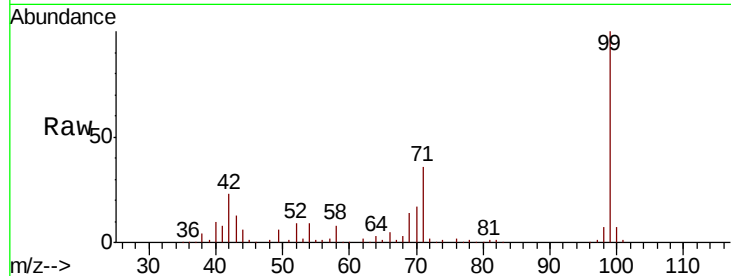
Tot Ion: 99 Resp: 298278

Ion Ratio Lower Upper

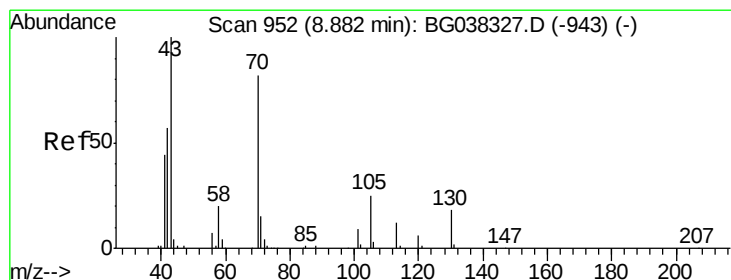
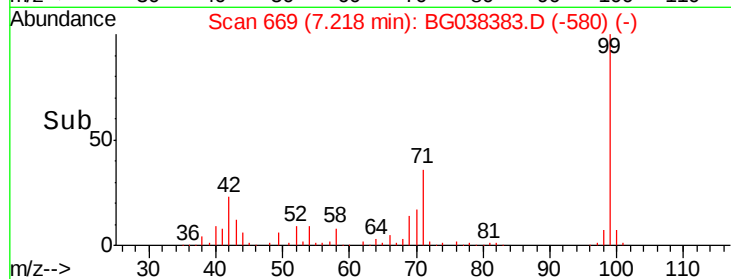
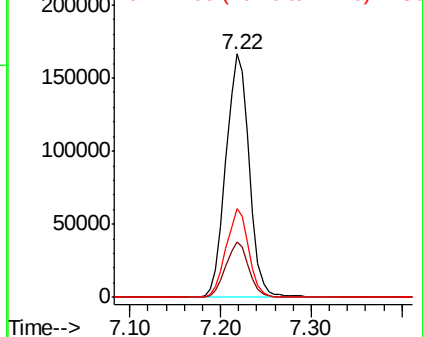
99 100

42 22.6 15.0 22.4#

71 36.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.271 ng

RT: 9.24 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038383.D

Acq: 6 Dec 2018 14:10

Tgt Ion: 70 Resp: 24185

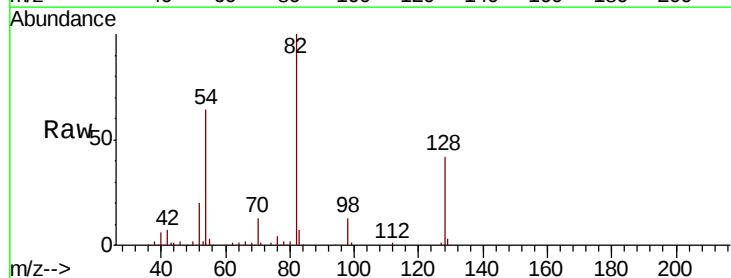
Ion Ratio Lower Upper

70 100

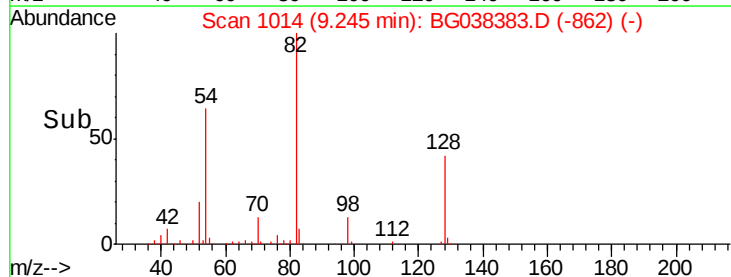
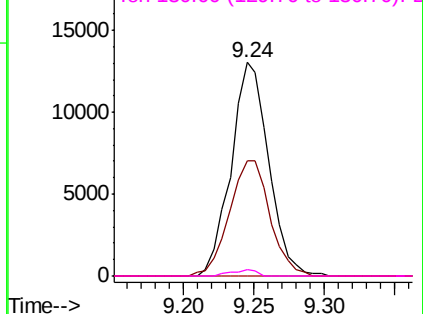
42 54.1 53.9 80.9

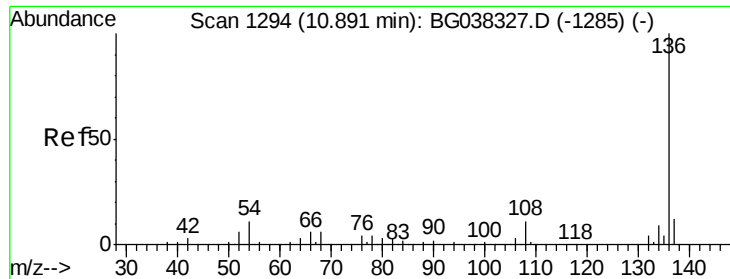
101 0.0 8.2 12.2#

130 2.8 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

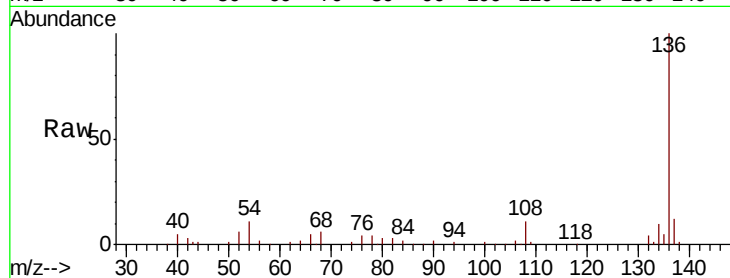




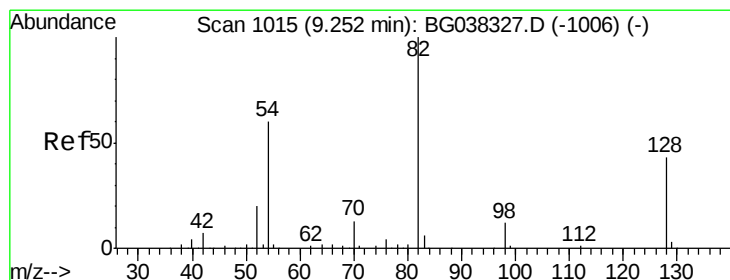
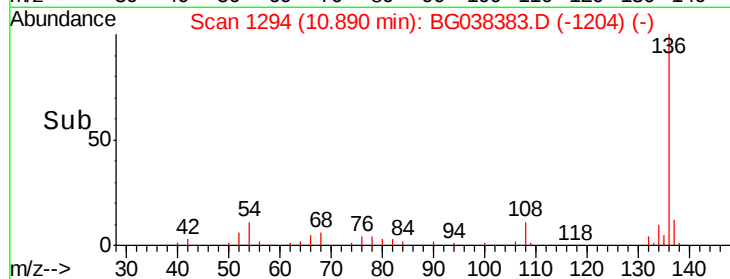
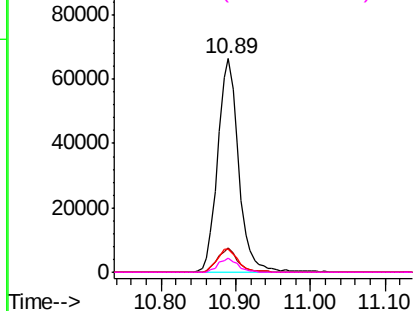
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG038383.D
Acq: 6 Dec 2018 14:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	129190
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	10.5	7.9	11.9
68	6.4	4.8	7.2

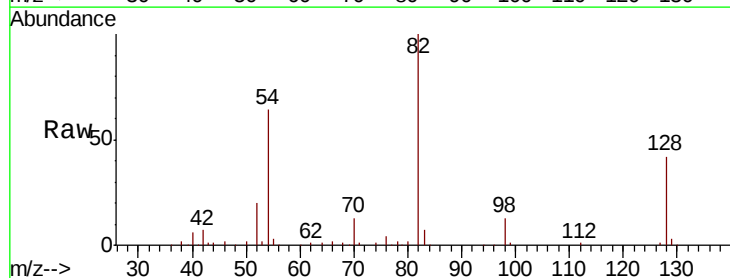


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

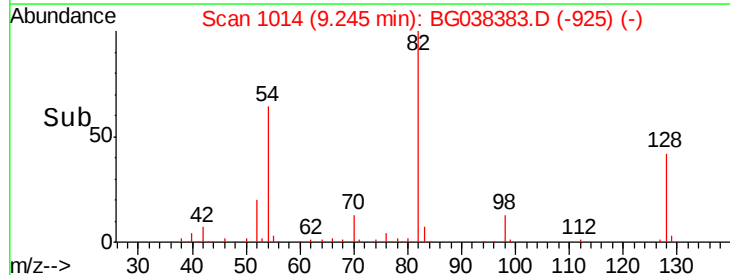
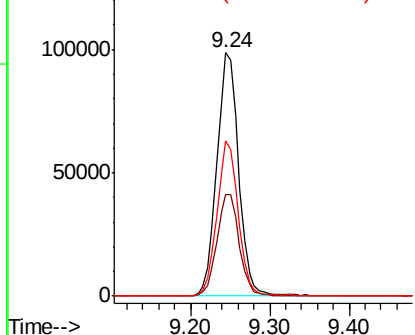


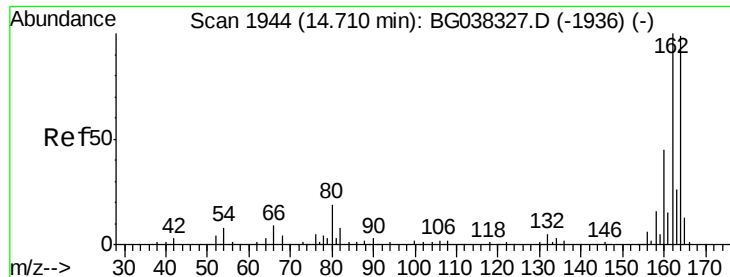
#23
Nitrobenzene-d5
Concen: 72.518 ng
RT: 9.24 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038383.D
Acq: 6 Dec 2018 14:10

Tgt Ion:	82	Resp:	188702
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	51.8
54	63.8	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# 1944

Delta R.T. -0.00 min

Lab File: BG038383.D

Acq: 6 Dec 2018 14:10

Instrument :

BNA_G

ClientSampleId :

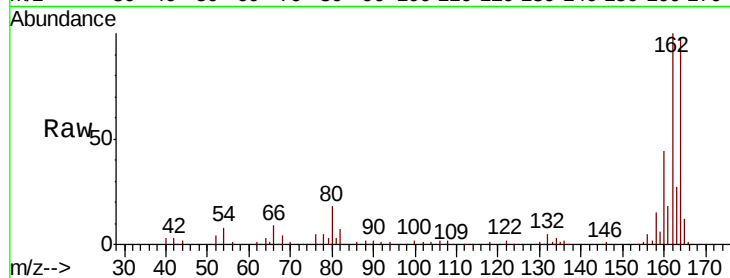
Tot Ion:164 Resp: 79457

Ion Ratio Lower Upper

164 100

162 101.9 81.3 121.9

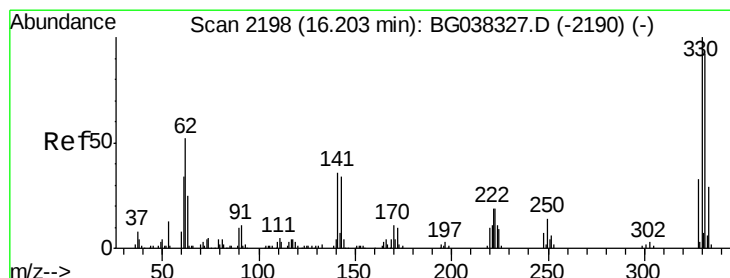
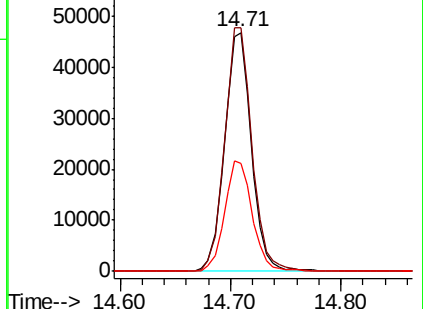
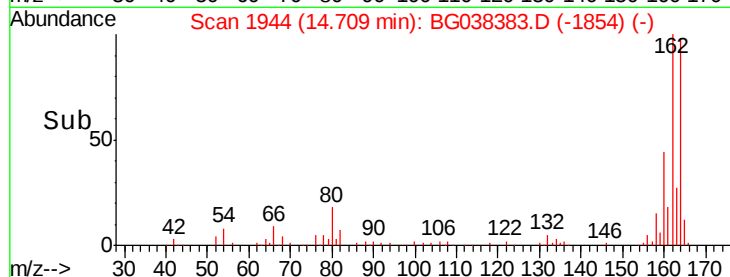
160 45.1 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 136.967 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038383.D

Acq: 6 Dec 2018 14:10

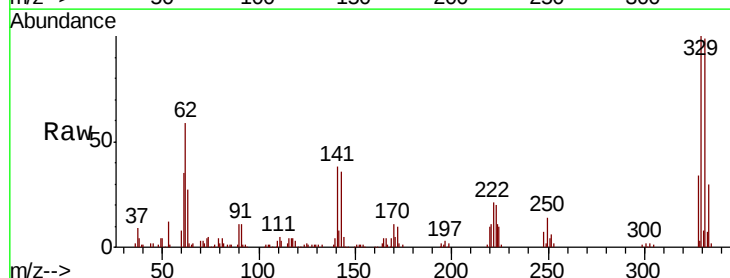
Tgt Ion:330 Resp: 133602

Ion Ratio Lower Upper

330 100

332 96.7 78.4 117.6

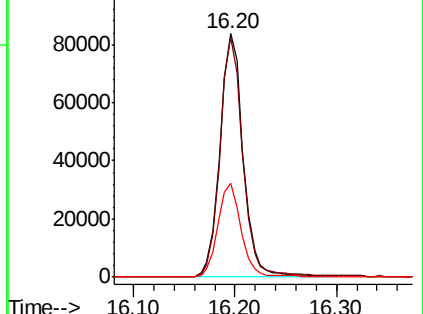
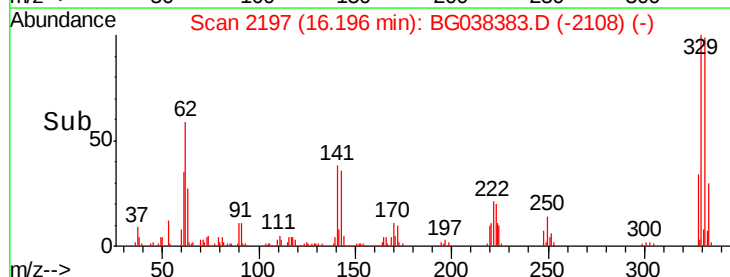
141 38.8 32.2 48.2

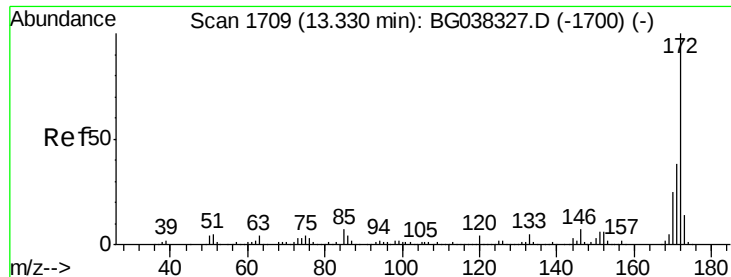


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

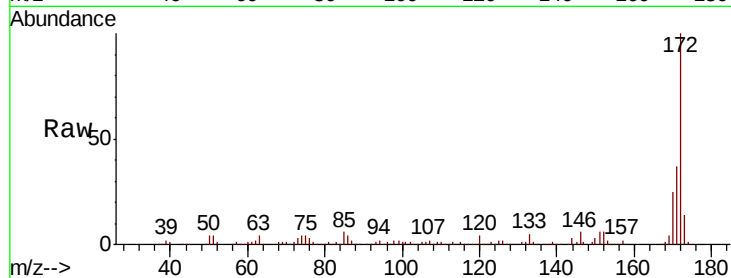




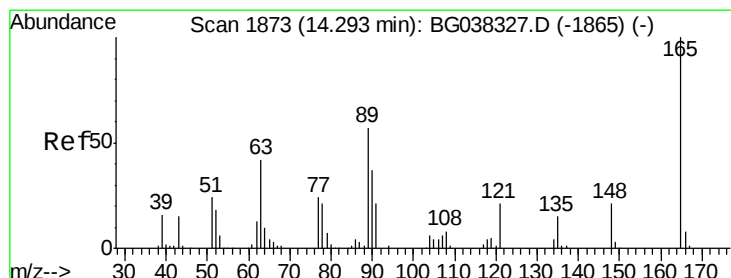
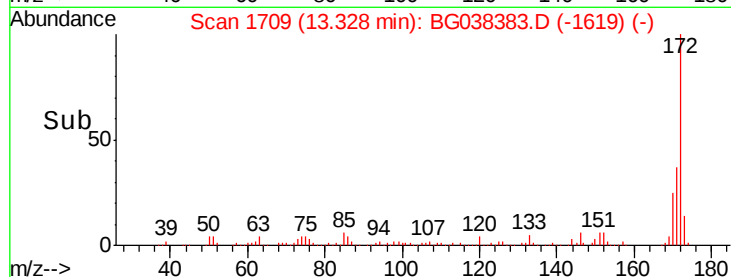
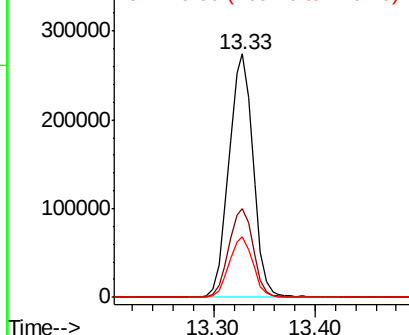
#45
 2-Fluorobiphenyl
 Concen: 81.668 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG038383.D
 Acq: 6 Dec 2018 14:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 455405
 Ion Ratio Lower Upper
 172 100
 171 36.5 31.0 46.4
 170 24.9 20.2 30.2

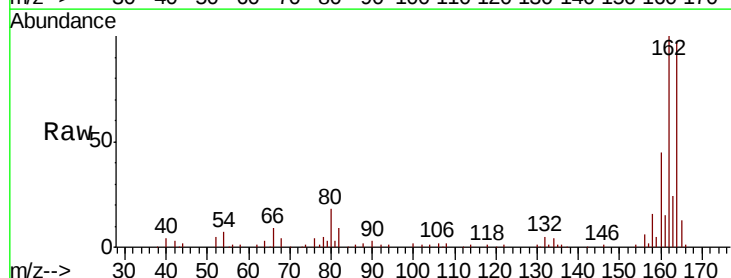


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

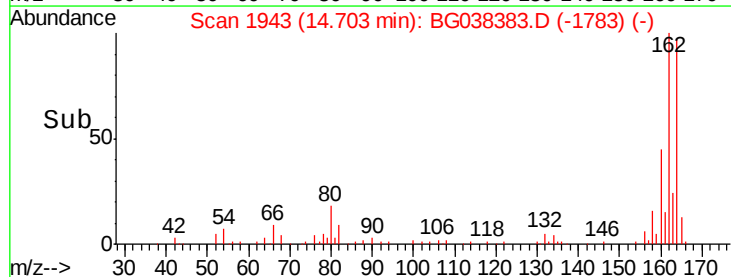
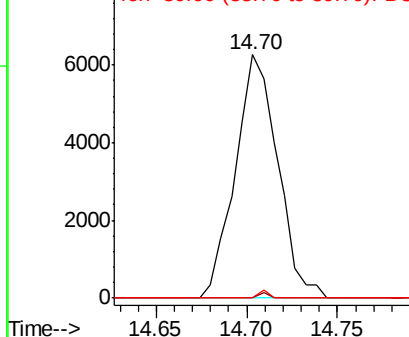


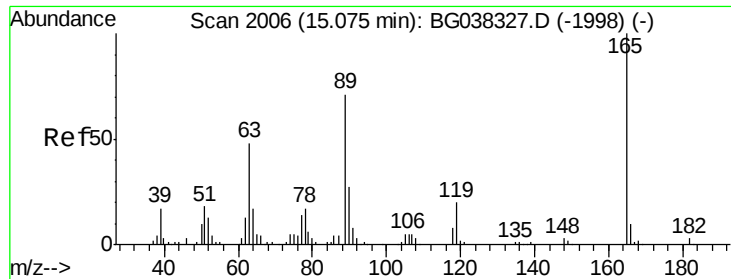
#51
 2,6-Dinitrotoluene
 Concen: 7.035 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038383.D
 Acq: 6 Dec 2018 14:10

Tgt Ion:165 Resp: 10241
 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

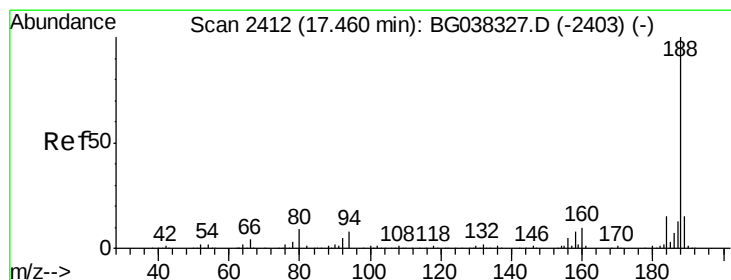
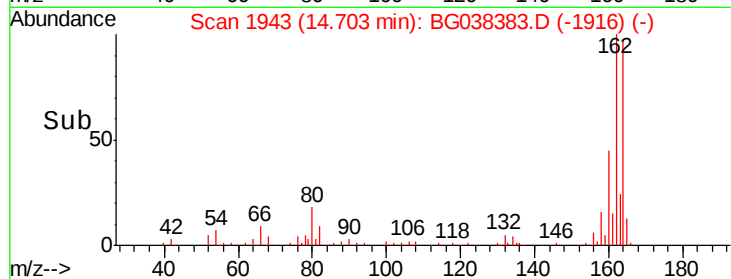
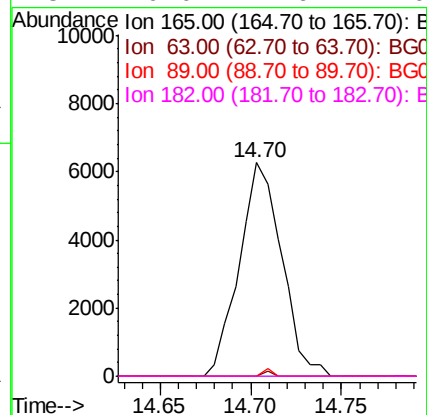
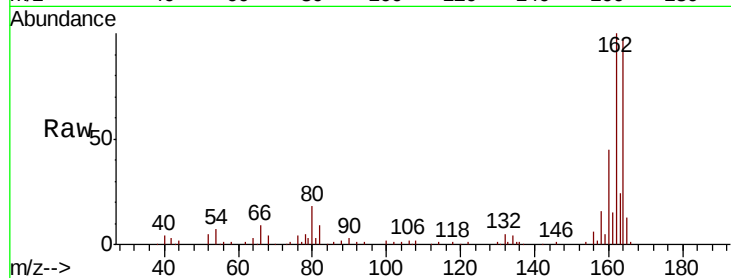




#57
 2,4-Dinitrotoluene
 Concen: 5.100 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038383.D
 Acq: 6 Dec 2018 14:10

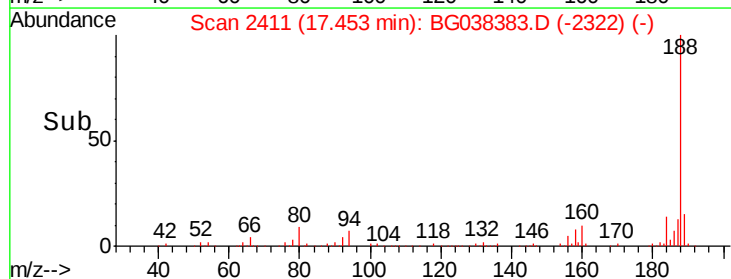
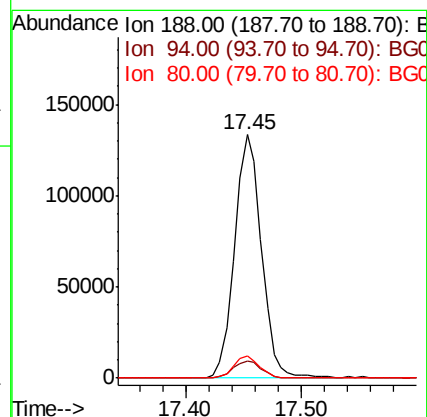
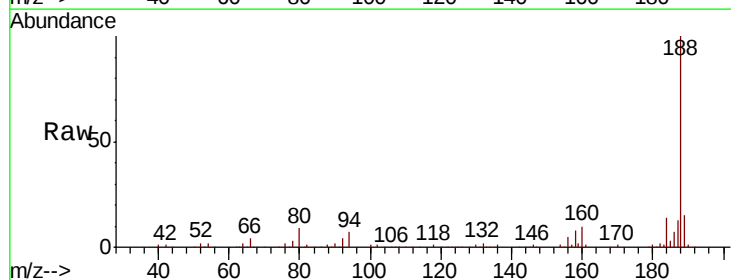
Instrument :
 BNA_G
 ClientSampleId :

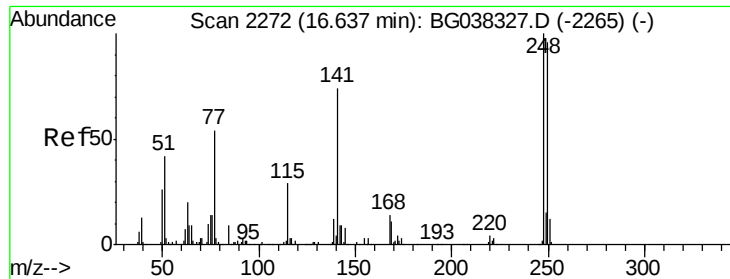
Tot Ion:165	Resp: 10241
Ion Ratio	Lower Upper
165 100	
63 0.0	33.4 50.0#
89 0.0	57.2 85.8#
182 0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038383.D
 Acq: 6 Dec 2018 14:10

Tgt	Ion:188	Resp:	214450
Ion	Ratio	Lower	Upper
188	100		
94	7.1	7.2	10.8#
80	9.1	7.7	11.5

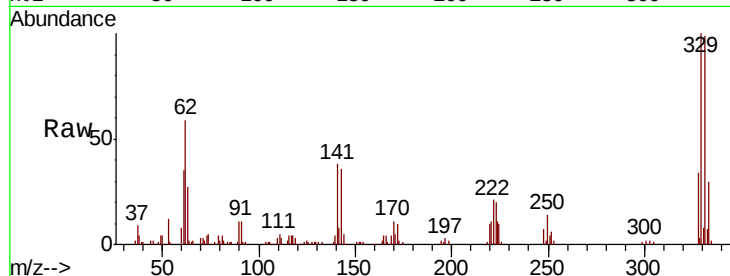




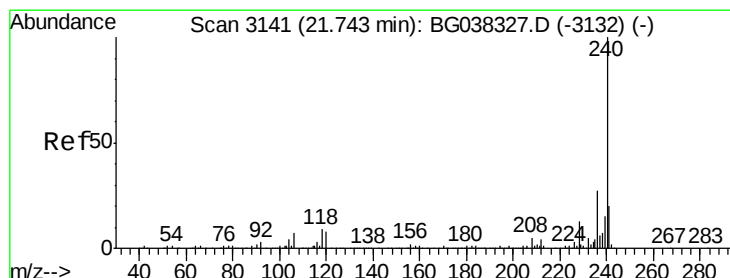
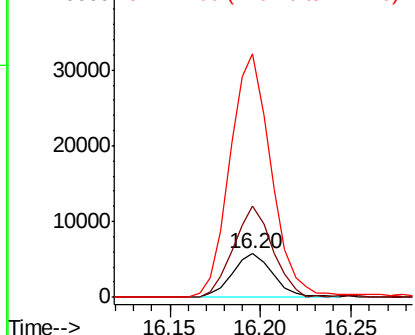
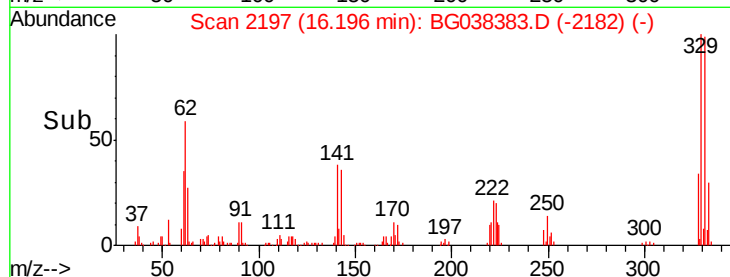
#67
4-Bromophenyl-phenylether
Concen: 3.890 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.44 min
Lab File: BG038383.D
Acq: 6 Dec 2018 14:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9008
Ion Ratio Lower Upper
248 100
250 202.9 77.0 115.6#
141 424.1 55.5 83.3#

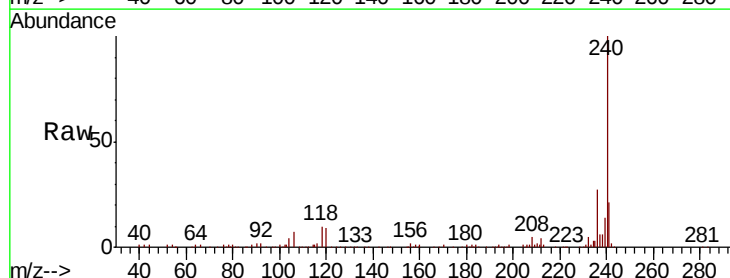


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

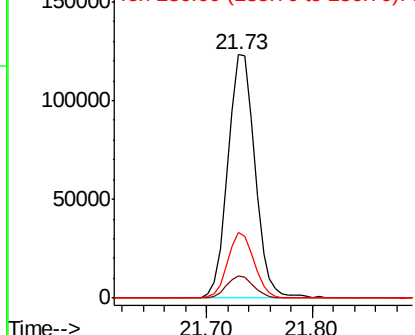
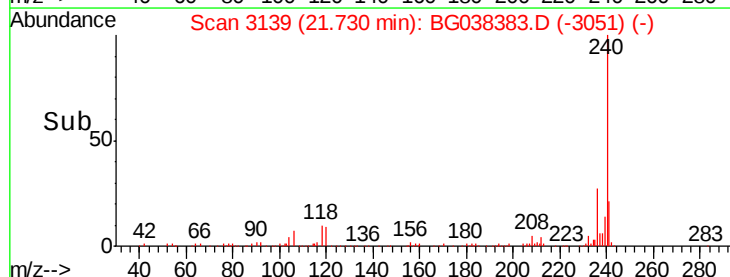


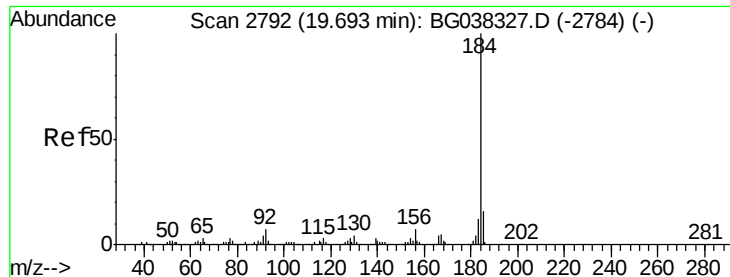
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038383.D
Acq: 6 Dec 2018 14:10

Tgt Ion:240 Resp: 218536
Ion Ratio Lower Upper
240 100
120 9.2 8.1 12.1
236 26.9 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: 2.157 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.36 min

Lab File: BG038383.D

Acq: 6 Dec 2018 14:10

Instrument :

BNA_G

ClientSampleId :

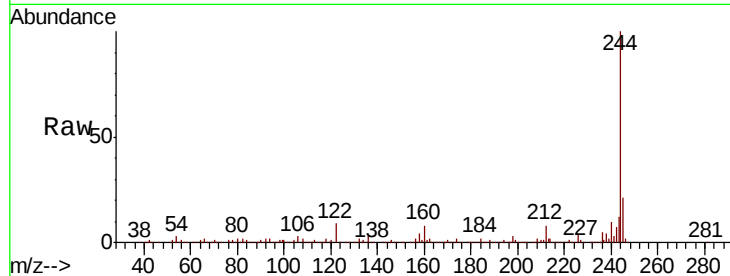
Tot Ion:184 Resp: 15910

Ion Ratio Lower Upper

184 100

185 14.4 12.6 18.8

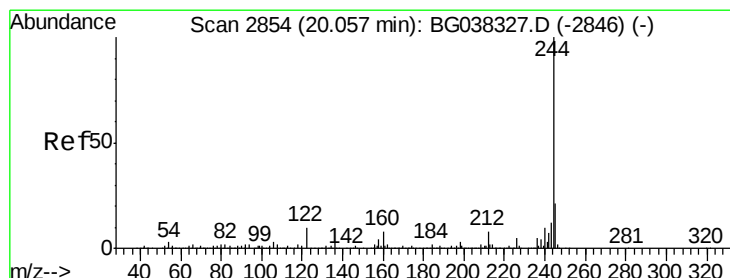
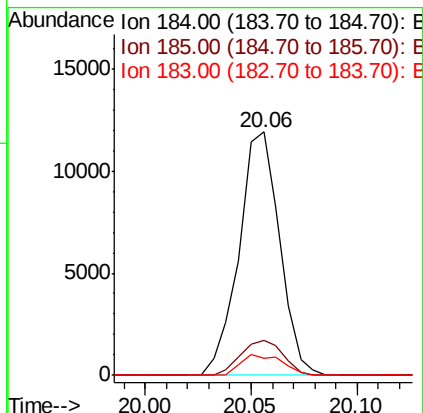
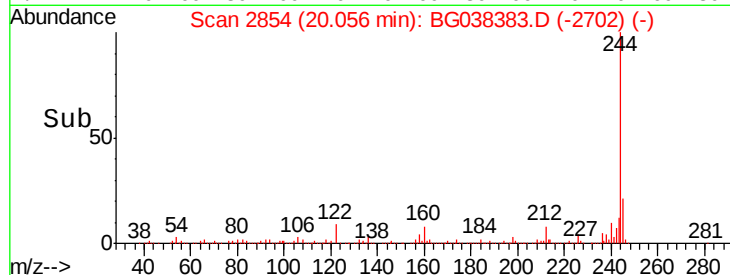
183 6.9 10.2 15.2#



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: 87.095 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038383.D

Acq: 6 Dec 2018 14:10

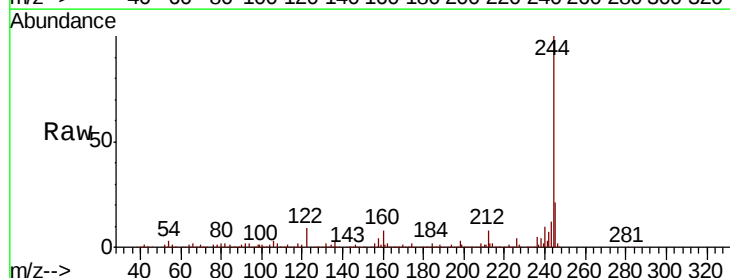
Tgt Ion:244 Resp: 888472

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

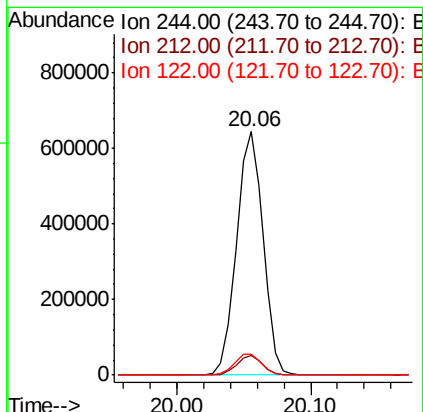
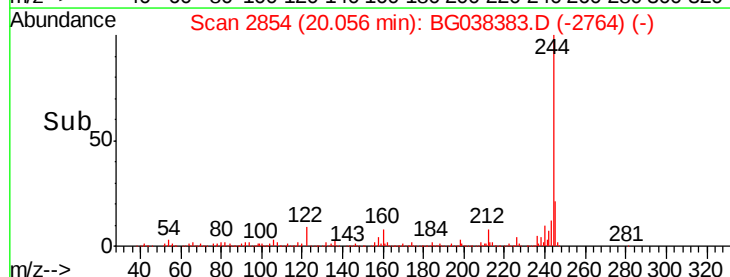
122 8.8 9.0 13.4#

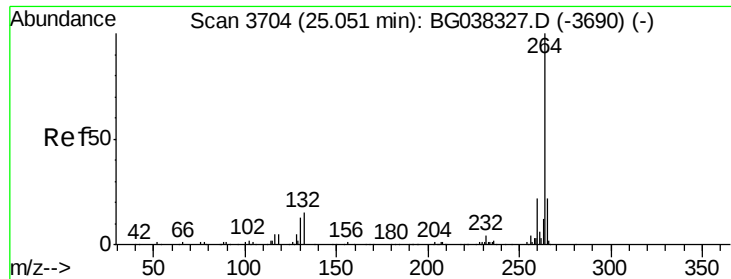


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3702
Delta R.T. -0.01 min
Lab File: BG038383.D
Acq: 6 Dec 2018 14:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 224331
Ion Ratio Lower Upper
264 100
260 23.9 18.2 27.4
265 20.8 17.9 26.9

