

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\
 Data File : BG038466.D
 Acq On : 11 Dec 2018 11:22
 Operator : JU/SJ
 Sample : J6316-22
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 13:00:56 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

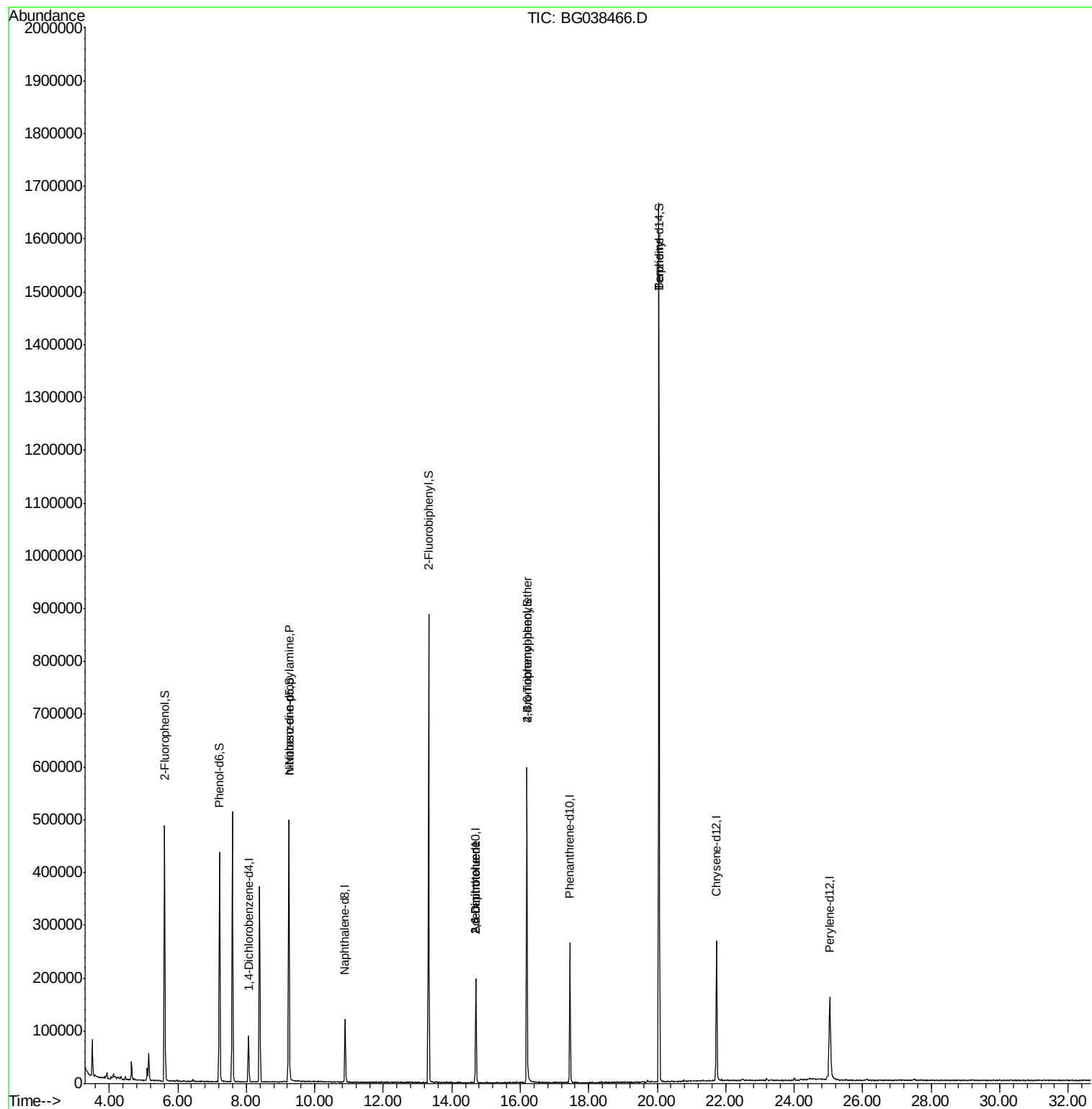
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	25688	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	107523	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	71547	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	182687	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	180764	20.00	ng	-0.01
87) Perylene-d12	25.04	264	208367	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	204319	140.76	ng	0.00
7) Phenol-d6	7.22	99	243353	115.99	ng	0.00
23) Nitrobenzene-d5	9.25	82	315541	145.70	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	120096	136.73	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	479708	95.54	ng	0.00
79) Terphenyl-d14	20.05	244	858537	101.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	39880	25.230	ng	# 75
51) 2,6-Dinitrotoluene	14.70	165	8948	6.826	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	8948	4.949	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	7956	4.033	ng	# 1
77) Benzidine	20.05	184	15647	2.565	ng	# 91

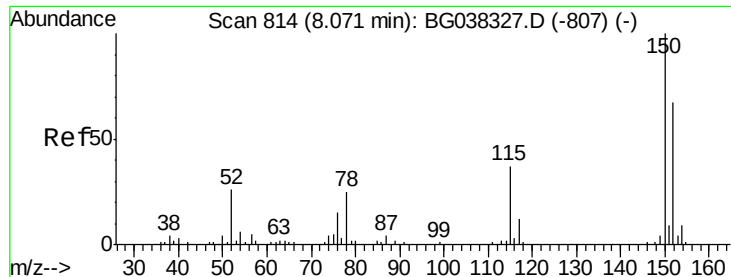
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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Instrument :
BNA_G
ClientSampleId :

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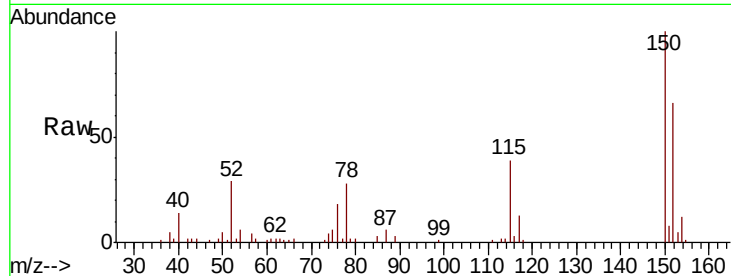


#1

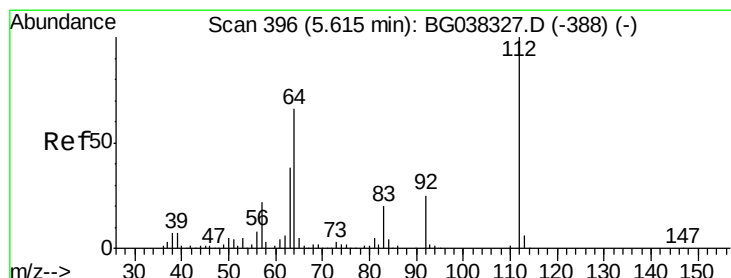
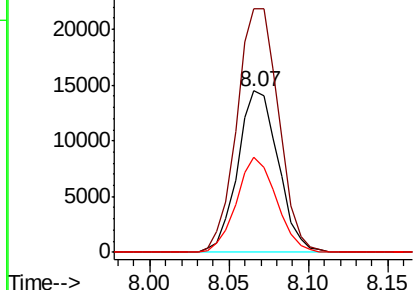
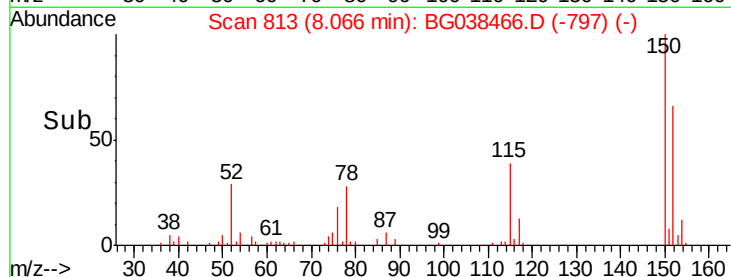
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 25688
Ion Ratio Lower Upper
152 100
150 150.7 126.0 189.0
115 59.0 45.5 68.3



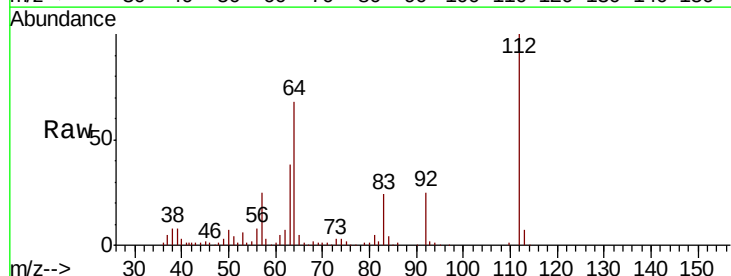
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



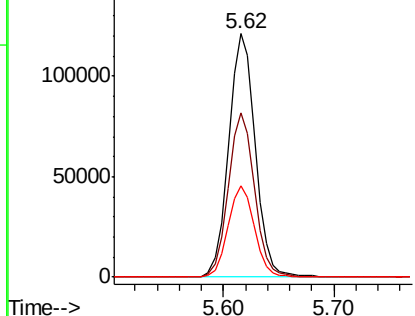
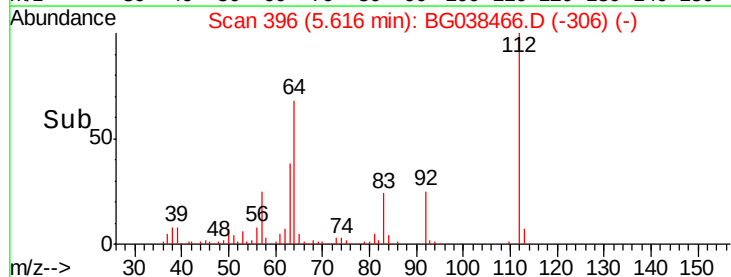
#5

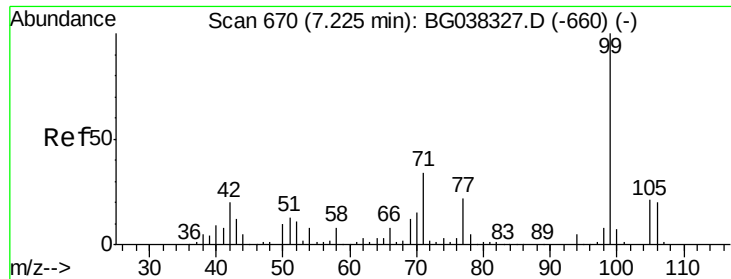
2-Fluorophenol
Concen: 140.755 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

Tgt Ion:112 Resp: 204319
Ion Ratio Lower Upper
112 100
64 67.6 53.1 79.7
63 37.5 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: 115.991 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038466.D

Acq: 11 Dec 2018 11:22

Instrument :

BNA_G

ClientSampleId :

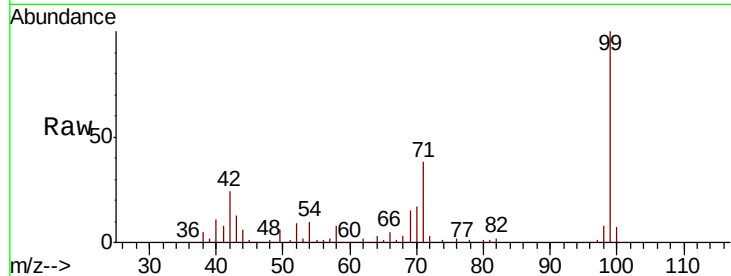
Tot Ion: 99 Resp: 243353

Ion Ratio Lower Upper

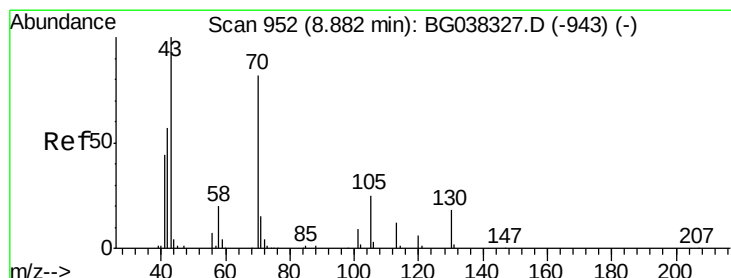
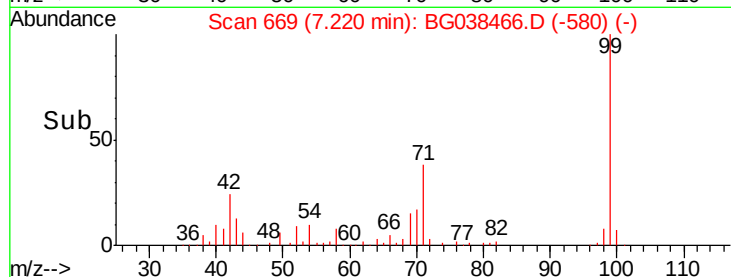
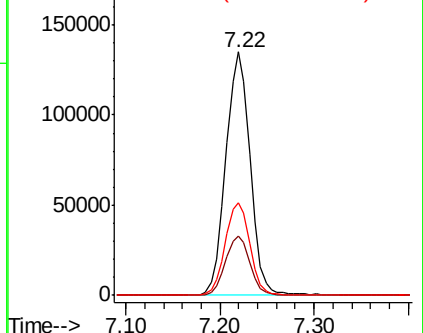
99 100

42 24.2 15.0 22.4#

71 38.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 25.230 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038466.D

Acq: 11 Dec 2018 11:22

Tgt Ion: 70 Resp: 39880

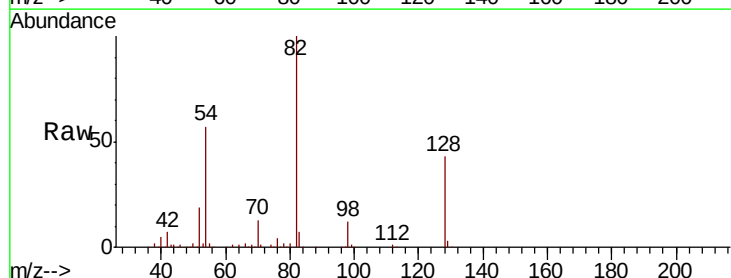
Ion Ratio Lower Upper

70 100

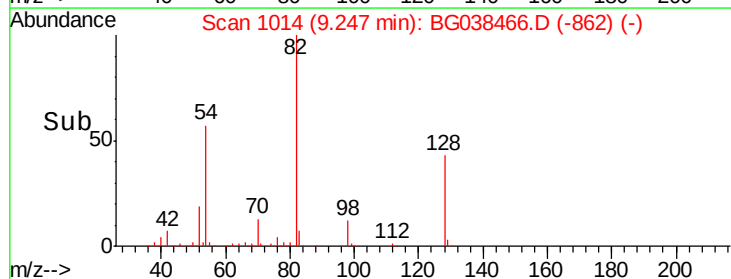
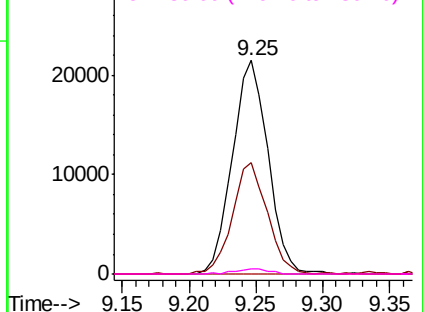
42 52.1 53.9 80.9#

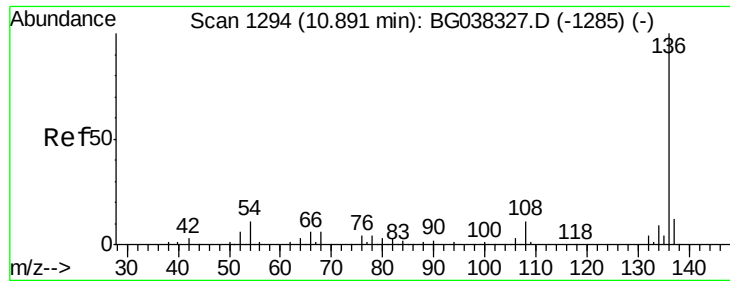
101 0.0 8.2 12.2#

130 2.5 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

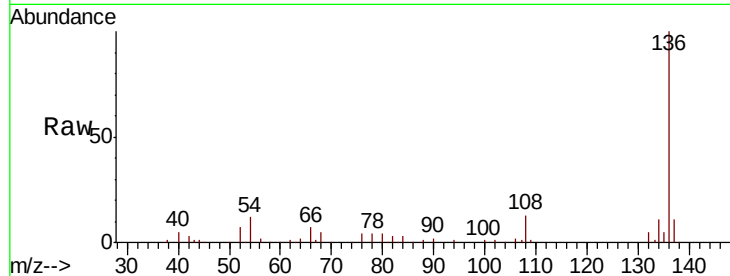




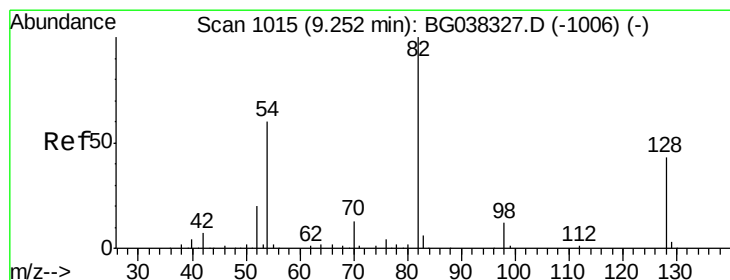
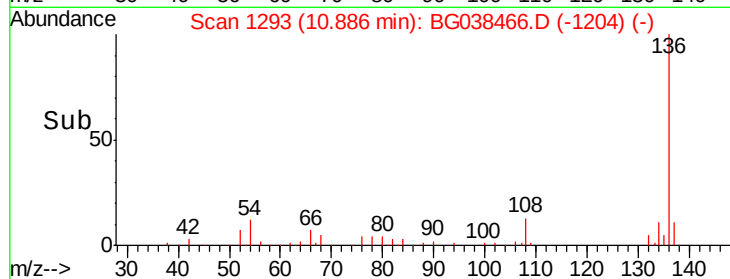
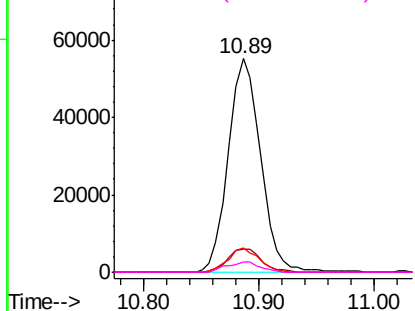
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	107523
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.6 14.4
54	11.7	7.9 11.9
68	4.6	4.8 7.2#

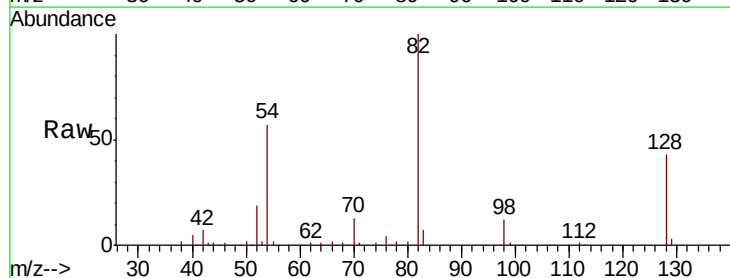


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

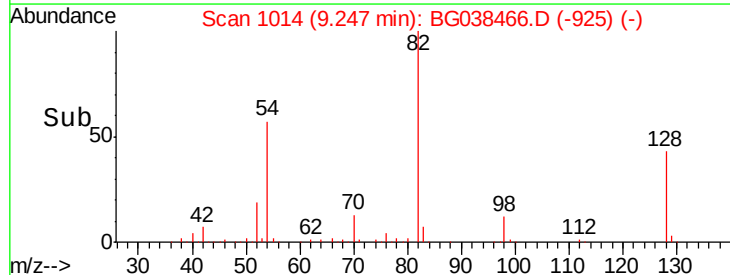
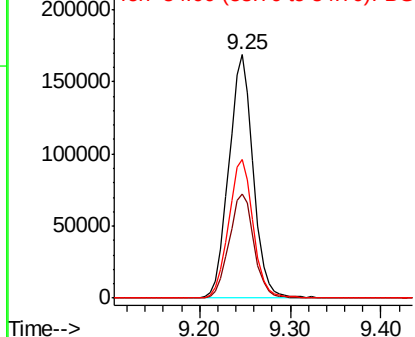


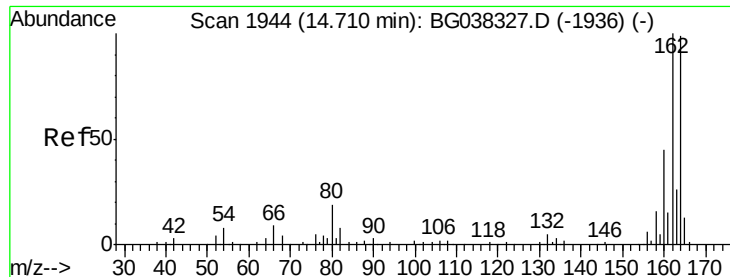
#23
Nitrobenzene-d5
Concen: 145.698 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

Tgt Ion: 82	Resp:	315541
Ion	Ratio	Lower Upper
82	100	
128	42.8	34.6 51.8
54	57.1	45.3 67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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. -0.01 min

Lab File: BG038466.D

Acq: 11 Dec 2018 11:22

Instrument :

BNA_G

ClientSampleId :

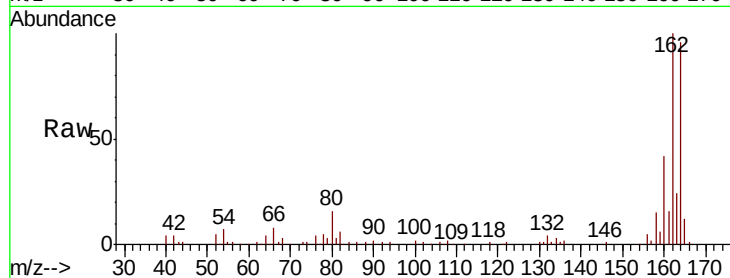
Tot Ion:164 Resp: 71547

Ion Ratio Lower Upper

164 100

162 103.9 81.3 121.9

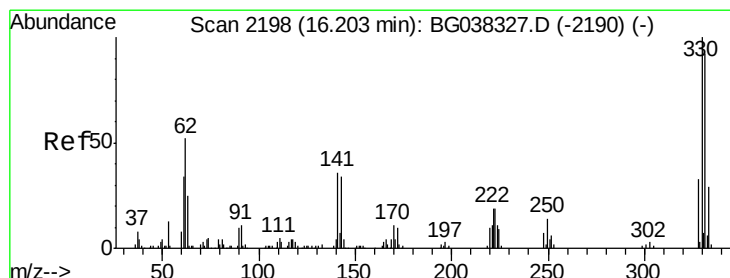
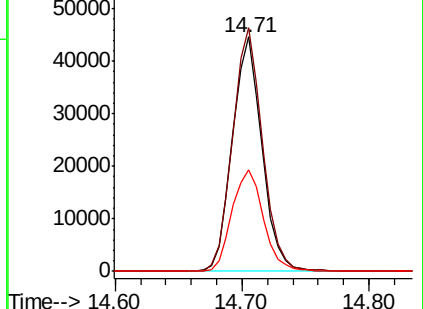
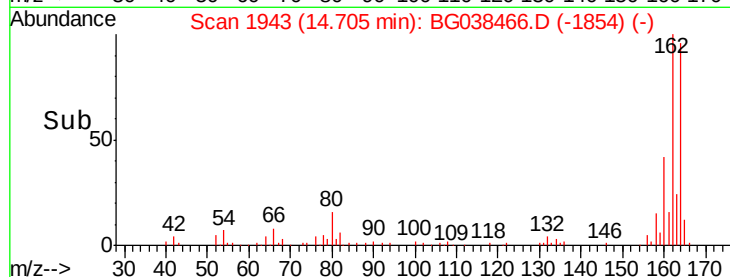
160 43.6 36.3 54.5



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: 136.733 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG038466.D

Acq: 11 Dec 2018 11:22

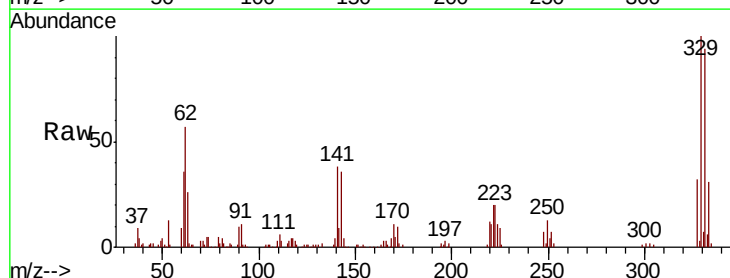
Tgt Ion:330 Resp: 120096

Ion Ratio Lower Upper

330 100

332 95.7 78.4 117.6

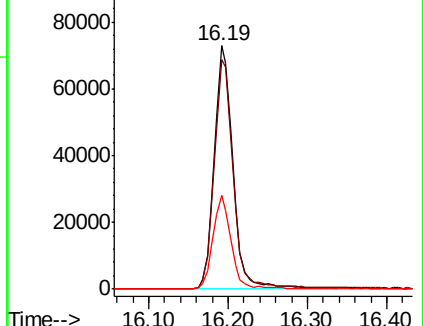
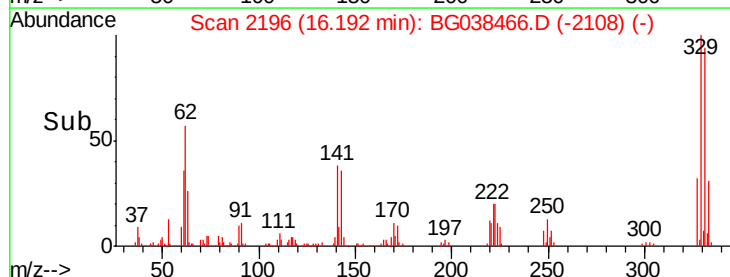
141 37.0 32.2 48.2

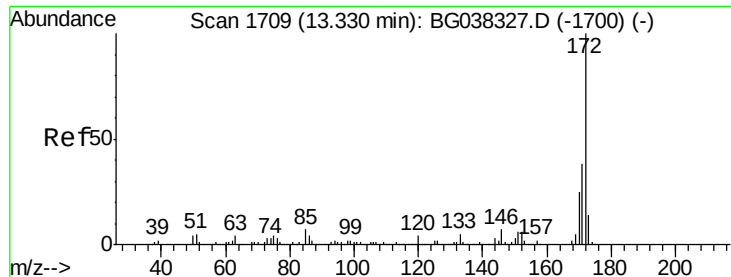


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

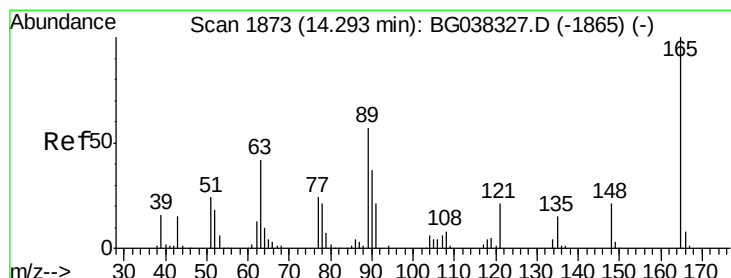
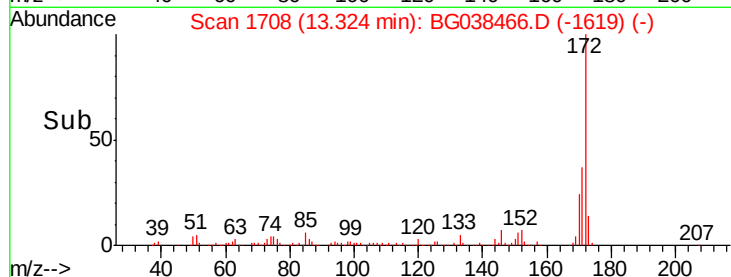
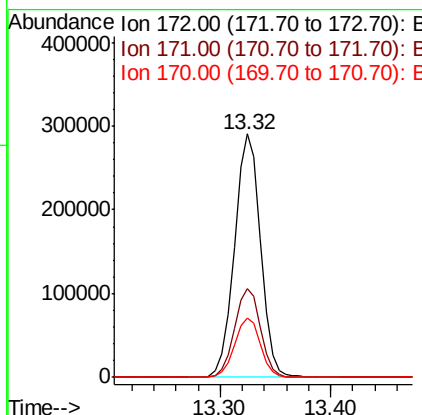
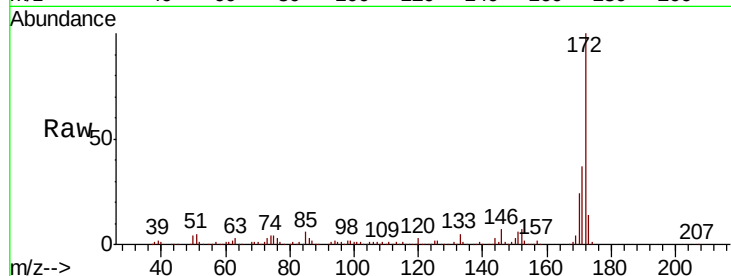




#45
2-Fluorobiphenyl
Concen: 95.538 ng
RT: 13.32 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

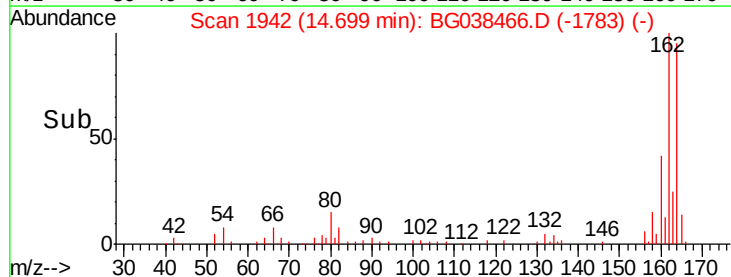
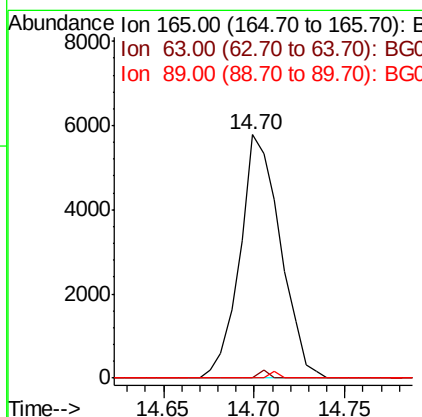
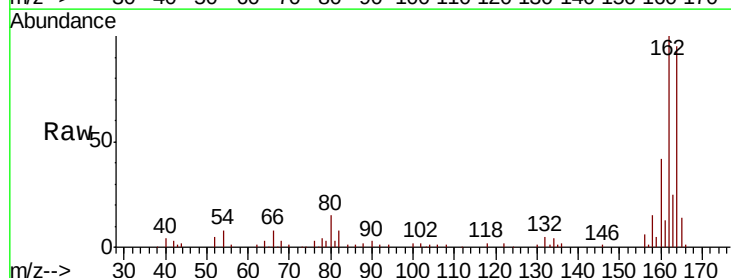
Instrument :
BNA_G
ClientSampleId :

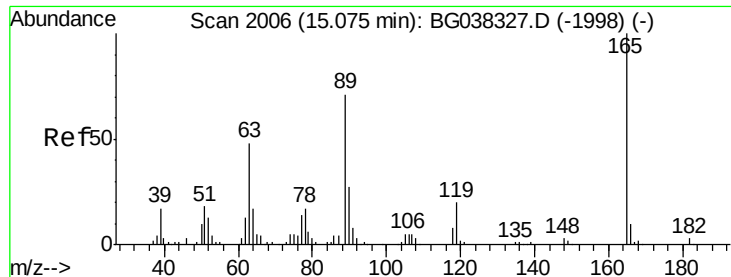
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.0	46.4
170	24.3	20.2	30.2



#51
2,6-Dinitrotoluene
Concen: 6.826 ng
RT: 14.70 min Scan# 1942
Delta R.T. 0.41 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

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

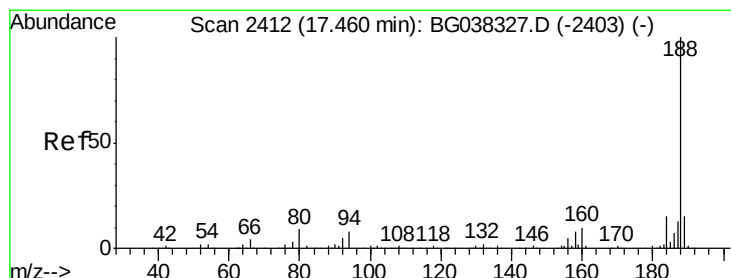
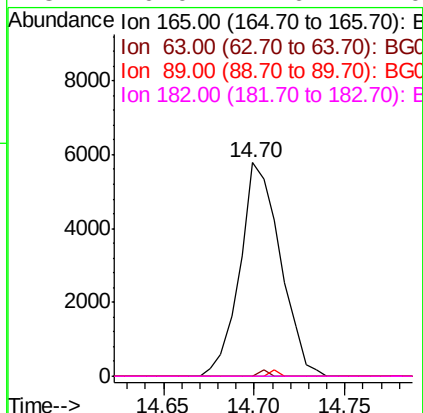
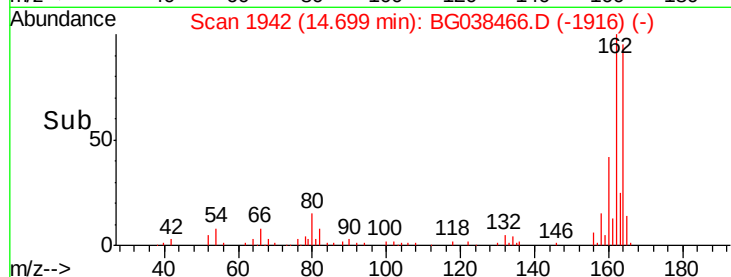
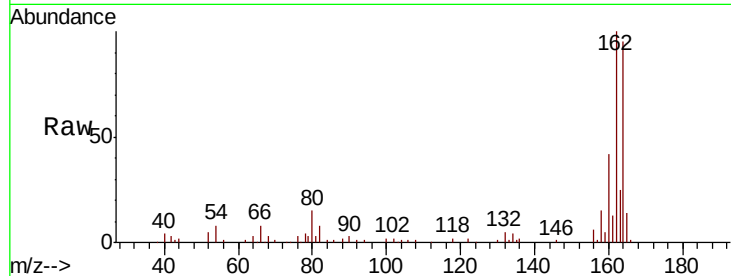




#57
 2,4-Dinitrotoluene
 Concen: 4.949 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.38 min
 Lab File: BG038466.D
 Acq: 11 Dec 2018 11:22

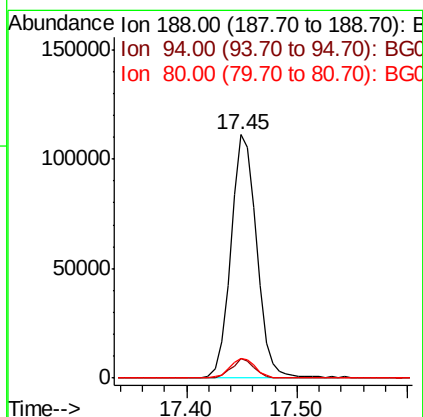
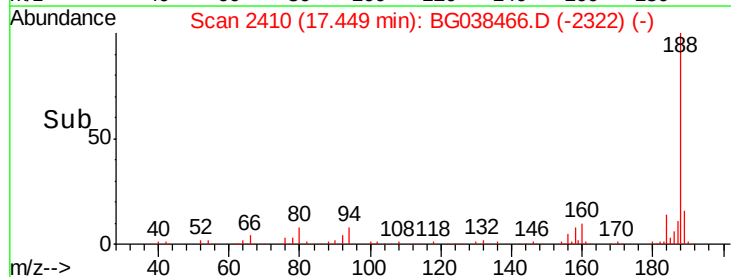
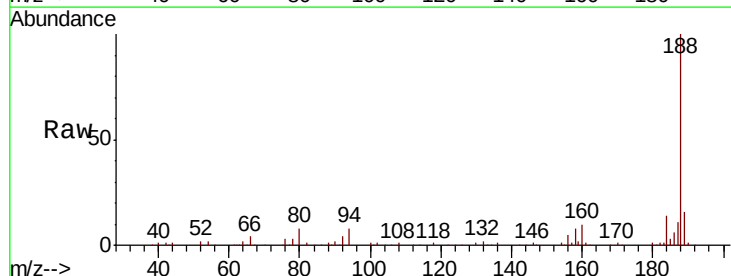
Instrument :
 BNA_G
 ClientSampleId :

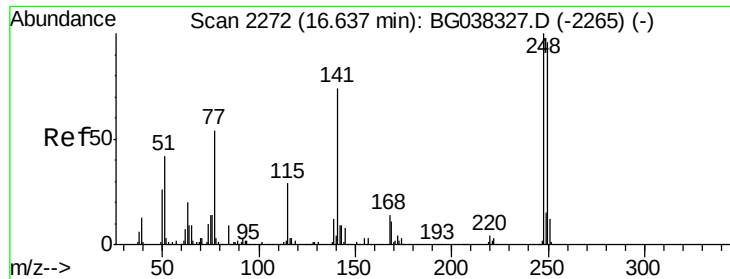
Tot Ion:165	Resp:	8948	
Ion Ratio	Lower	Upper	
165 100			
63 0.0	33.4	50.0#	
89 0.0	57.2	85.8#	
182 0.0	2.6	4.0#	



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038466.D
 Acq: 11 Dec 2018 11:22

Tgt Ion:188	Ratio	Resp: Lower	182687 Upper
188	100		
94	8.0	7.2	10.8
80	7.9	7.7	11.5

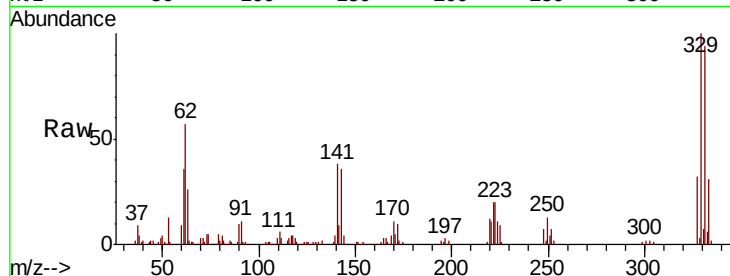




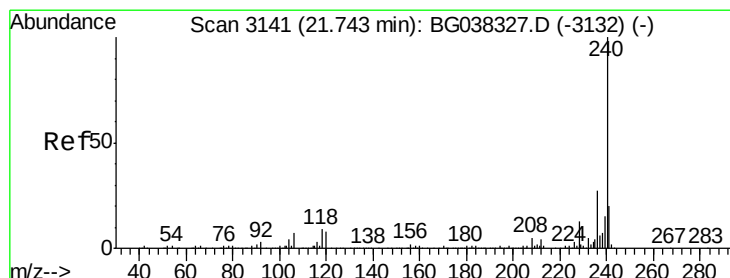
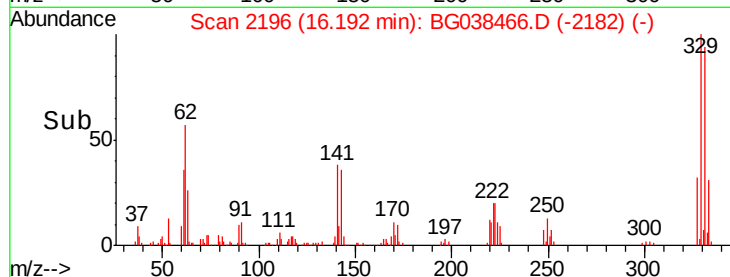
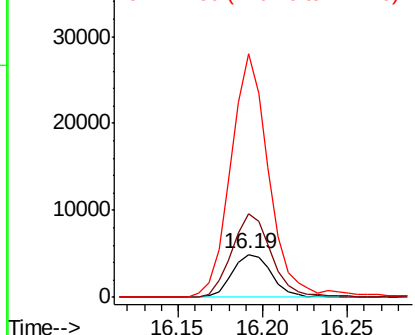
#67
4-Bromophenyl-phenylether
Concen: 4.033 ng
RT: 16.19 min Scan# 2196
Delta R.T. -0.45 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.5	77.0	115.6#
141	440.4	55.5	83.3#

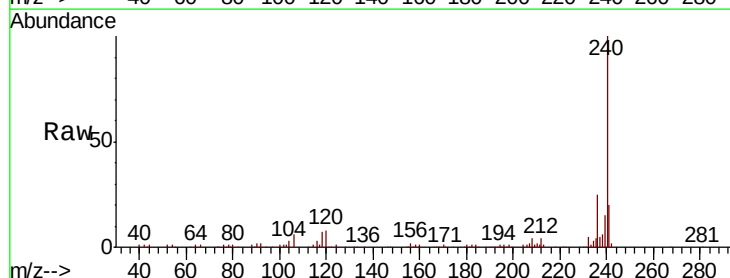


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

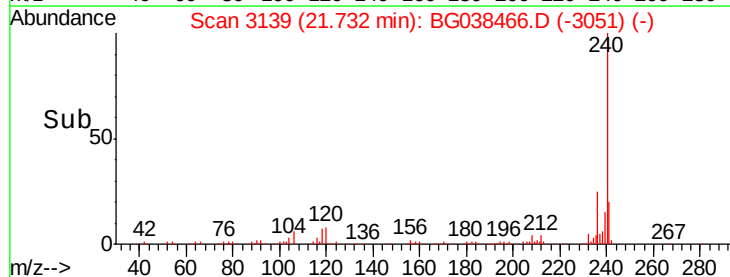
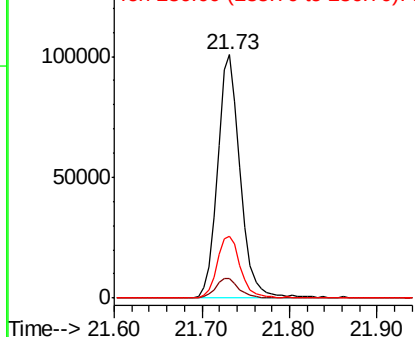


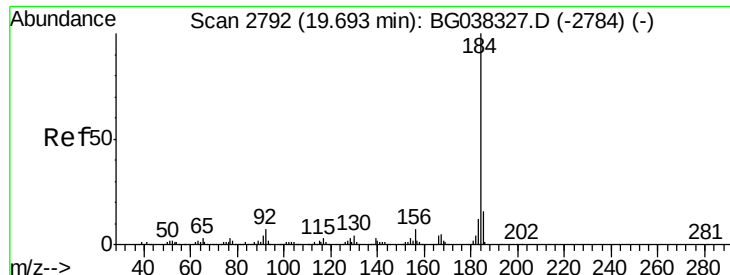
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	8.1	12.1#
236	25.2	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: 2.565 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038466.D

Acq: 11 Dec 2018 11:22

Instrument :

BNA_G

ClientSampleId :

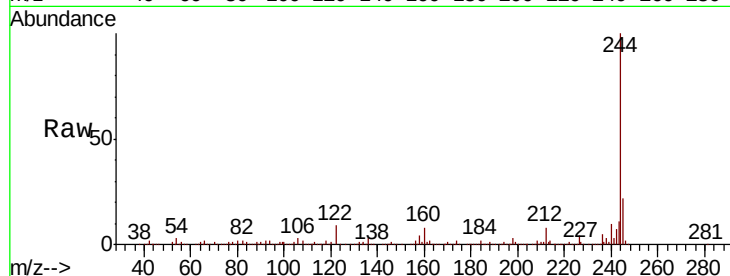
Tot Ion:184 Resp: 15647

Ion Ratio Lower Upper

184 100

185 17.4 12.6 18.8

183 7.0 10.2 15.2#

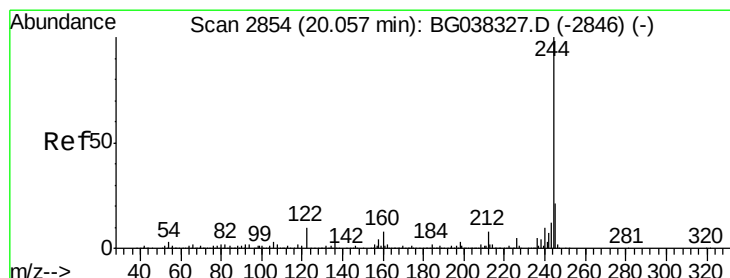
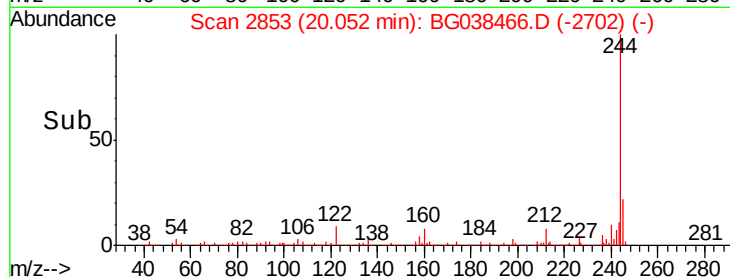
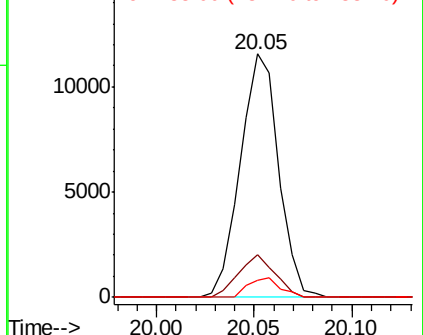


Abundance

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: 101.746 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038466.D

Acq: 11 Dec 2018 11:22

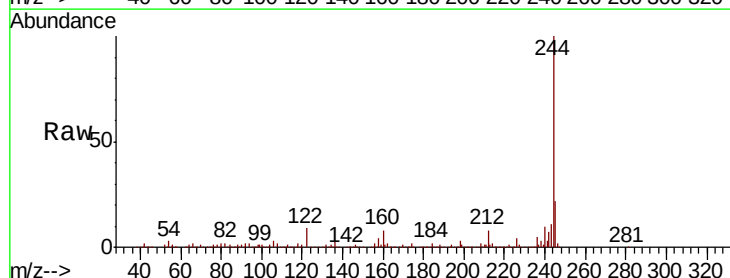
Tgt Ion:244 Resp: 858537

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

122 8.5 9.0 13.4#

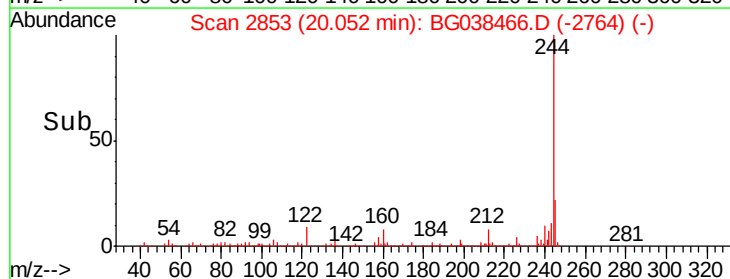
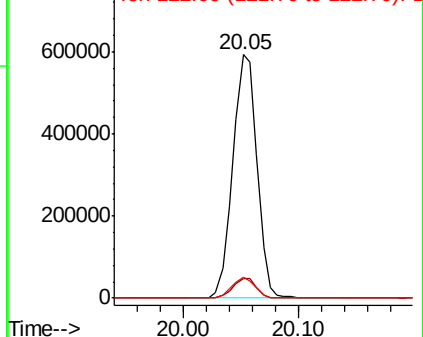


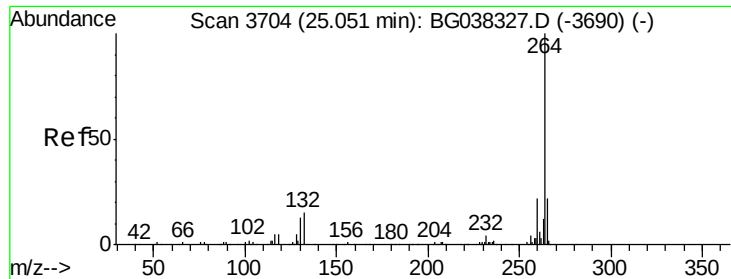
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3702
Delta R.T. -0.01 min
Lab File: BG038466.D
Acq: 11 Dec 2018 11:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	21.2	17.9	26.9

