

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\
 Data File : BG038463.D
 Acq On : 11 Dec 2018 9:24
 Operator : JU/SJ
 Sample : J6316-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 10:20:53 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

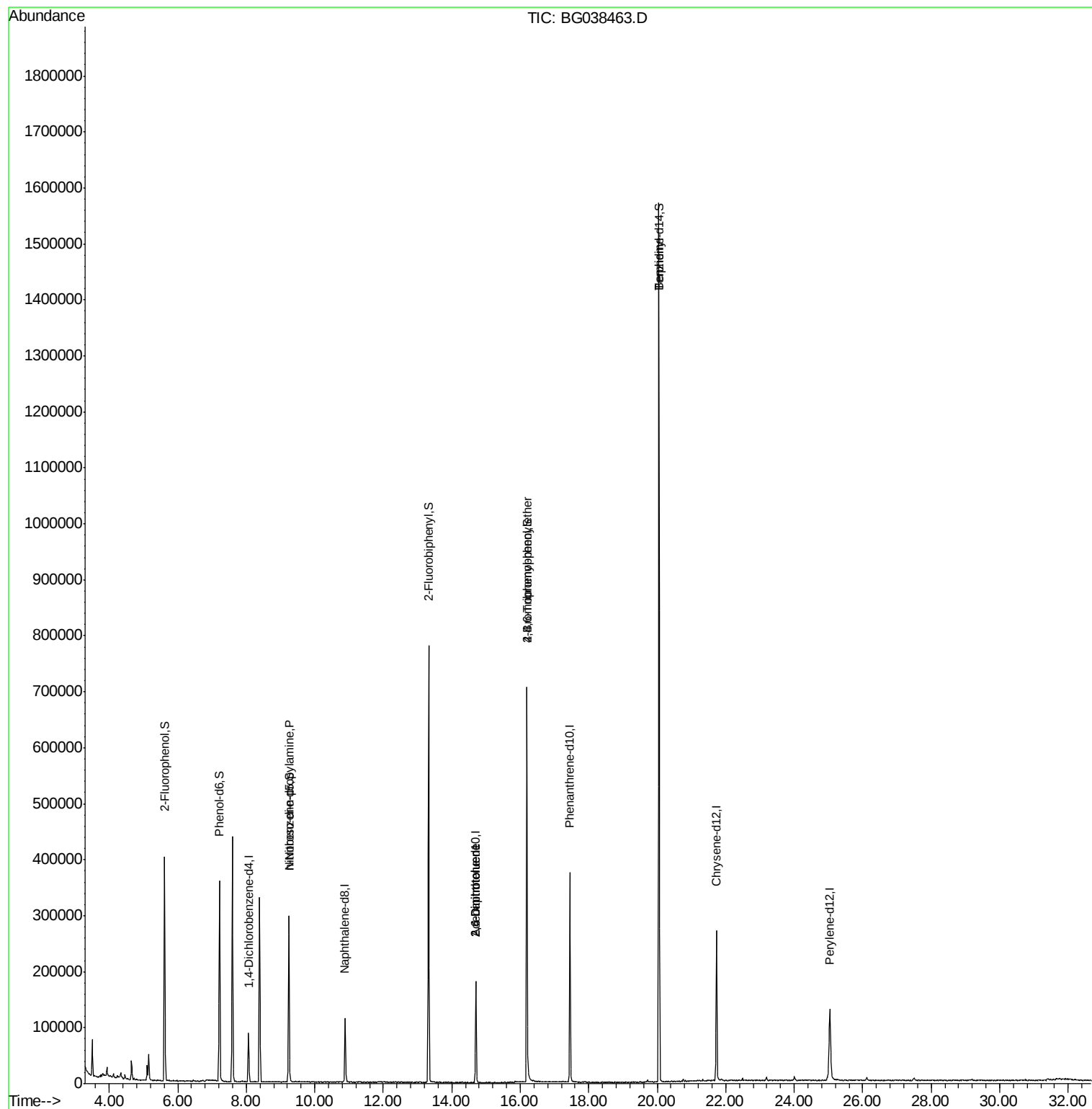
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	26018	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	106138	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	67590	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	248627	20.00	ng	0.00
76) Chrysene-d12	21.73	240	177156	20.00	ng	-0.01
87) Perylene-d12	25.04	264	176018	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	171480	116.63	ng	0.00
7) Phenol-d6	7.22	99	206533	97.19	ng	0.00
23) Nitrobenzene-d5	9.25	82	177492	83.02	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	133452	160.83	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	422579	89.09	ng	0.00
79) Terphenyl-d14	20.05	244	784950	94.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	23910	14.028	ng	# 78
22) Acetophenone	8.91	105	60	Below Cal		# 48
51) 2,6-Dinitrotoluene	14.70	165	8371	6.760	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	8371	4.901	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	9852	3.669	ng	# 1
77) Benzidine	20.05	184	13778	2.305	ng	# 94

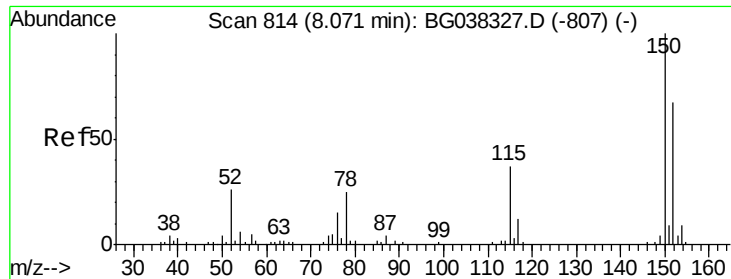
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampleId :

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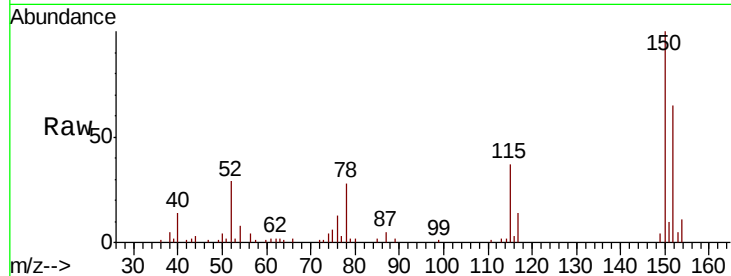


#1

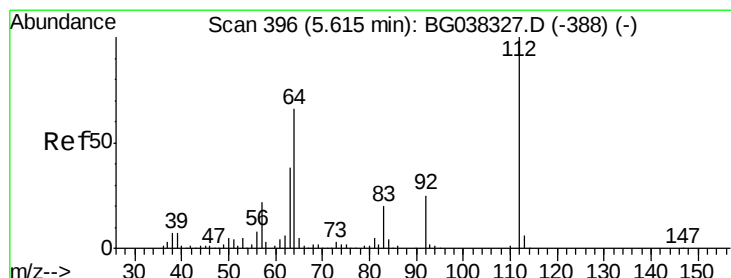
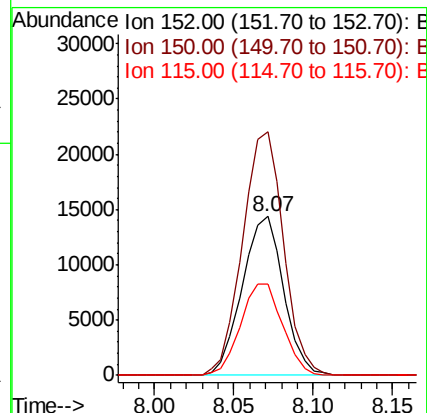
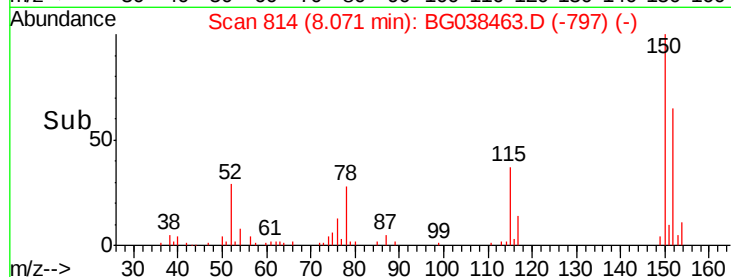
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 26018
Ion Ratio Lower Upper
152 100
150 153.5 126.0 189.0
115 57.3 45.5 68.3



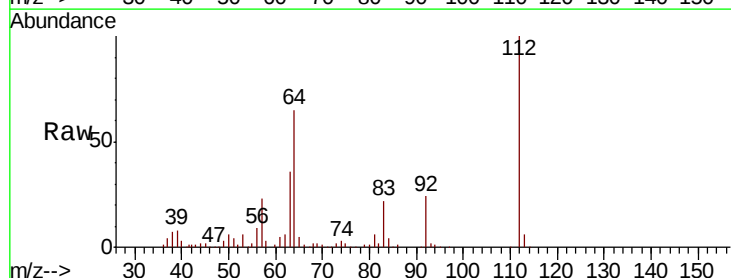
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



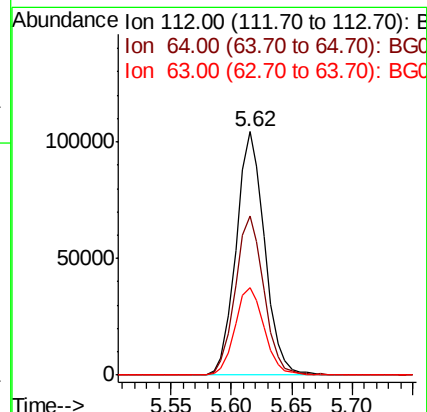
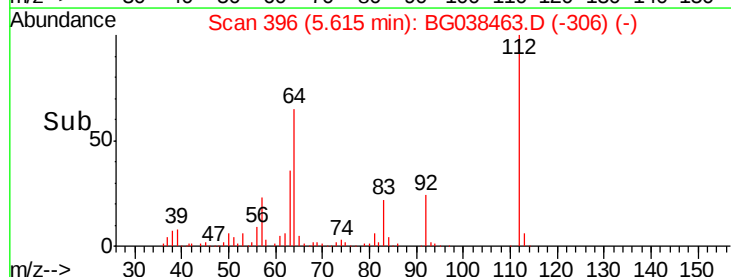
#5

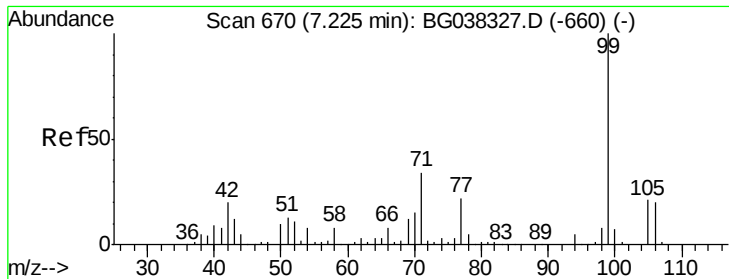
2-Fluorophenol
Concen: 116.634 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

Tgt Ion:112 Resp: 171480
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 35.7 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: 97.192 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038463.D

Acq: 11 Dec 2018 9:24

Instrument :

BNA_G

ClientSampleId :

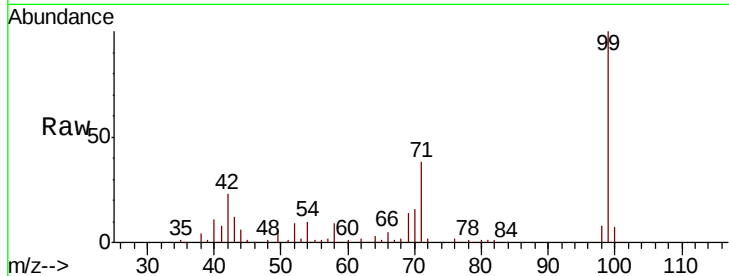
Tot Ion: 99 Resp: 206533

Ion Ratio Lower Upper

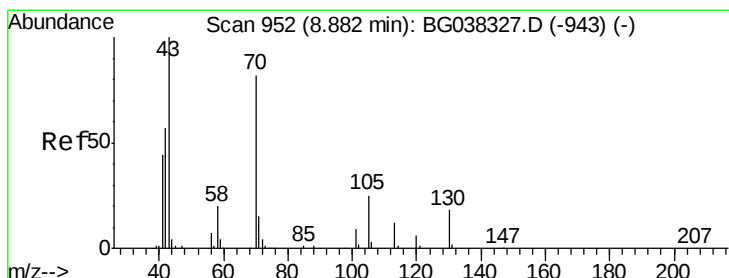
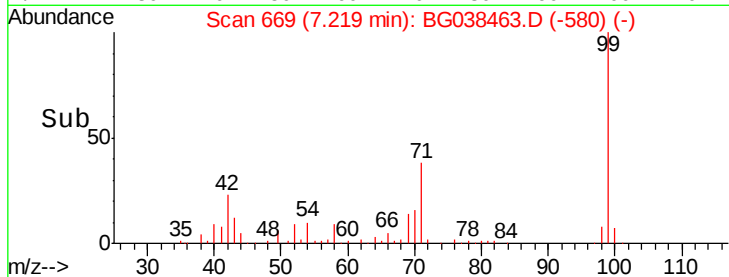
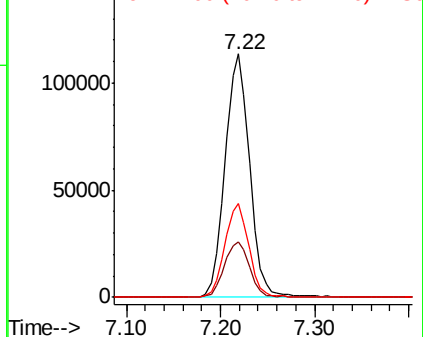
99 100

42 23.0 15.0 22.4#

71 38.3 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: 14.028 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038463.D

Acq: 11 Dec 2018 9:24

Tgt Ion: 70 Resp: 23910

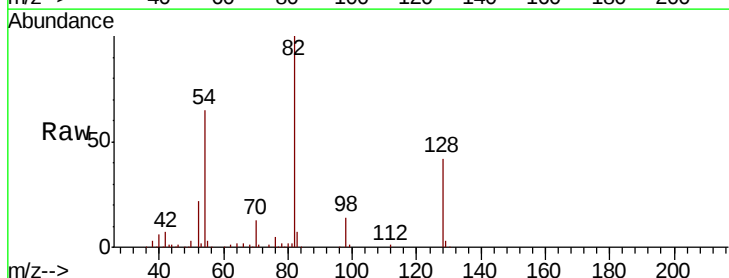
Ion Ratio Lower Upper

70 100

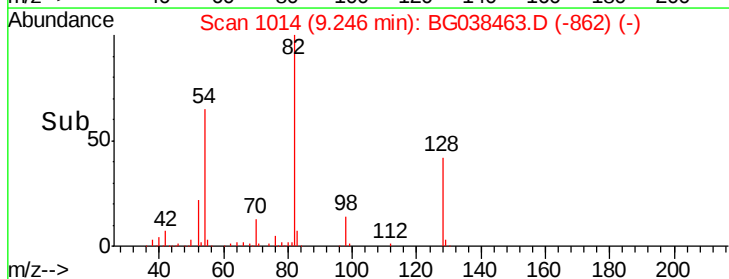
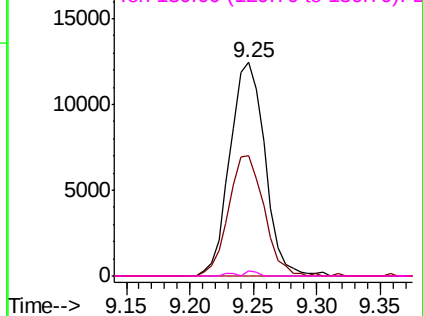
42 56.2 53.9 80.9

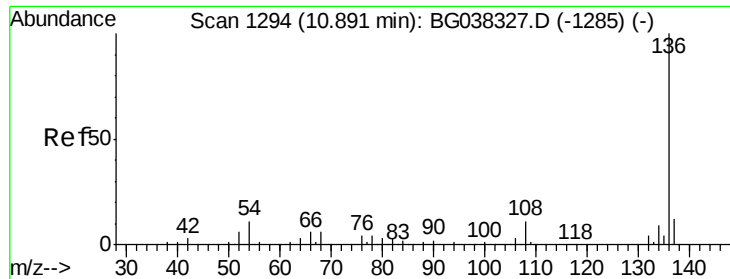
101 0.0 8.2 12.2#

130 2.4 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

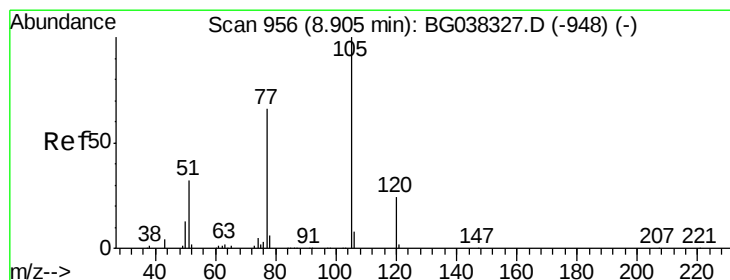
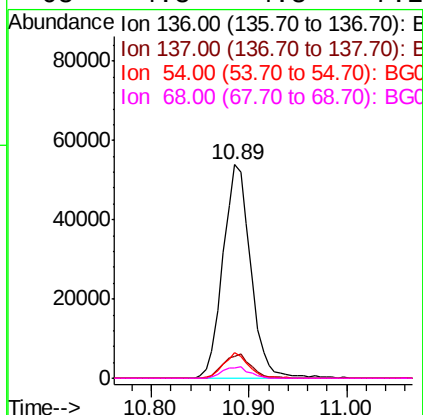
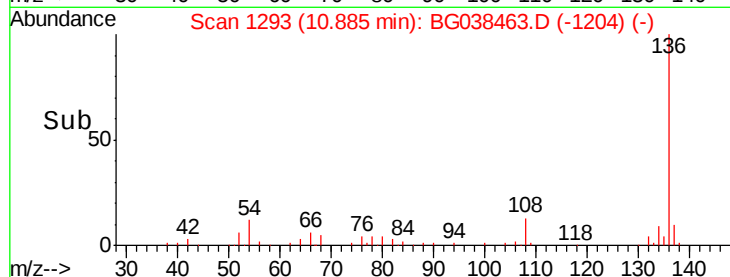
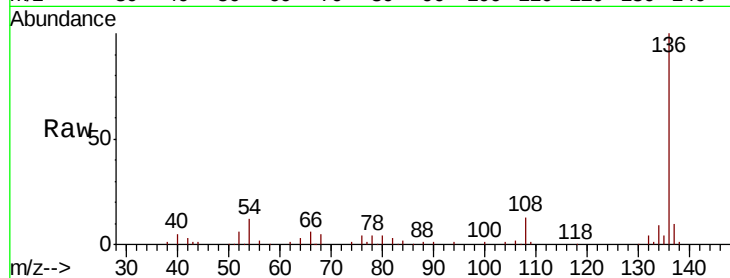




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

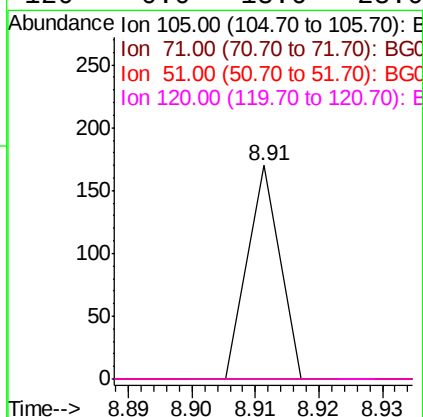
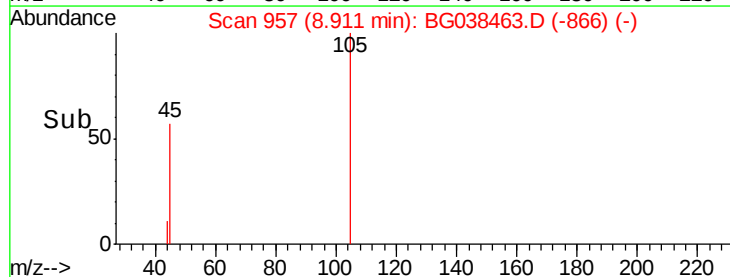
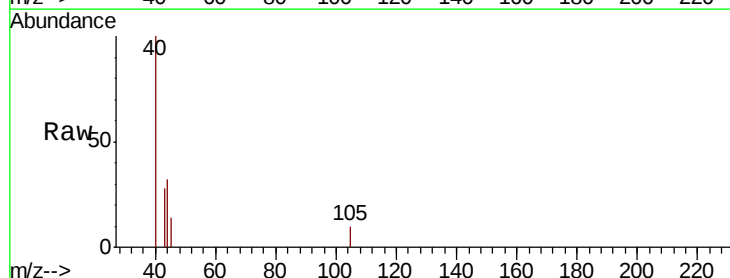
Instrument :
BNA_G
ClientSampleId :

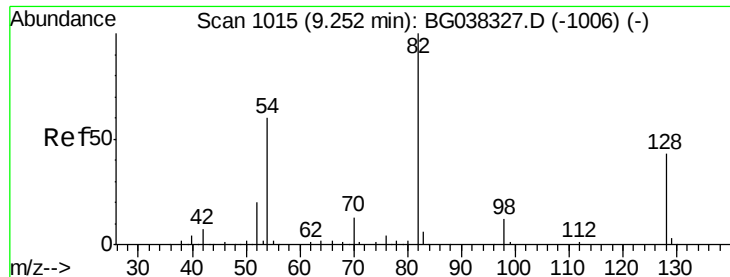
Tot Ion:	136	Resp:	106138
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.6	14.4
54	11.9	7.9	11.9#
68	4.8	4.8	7.2#



#22
Acetophenone
Concen: Below Cal
RT: 8.91 min Scan# 957
Delta R.T. 0.01 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

Tgt Ion:	105	Resp:	60
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#





#23

Nitrobenzene-d5

Concen: 83.025 ng

RT: 9.25 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BG038463.D

Acq: 11 Dec 2018 9:24

Instrument :

BNA_G

ClientSampleId :

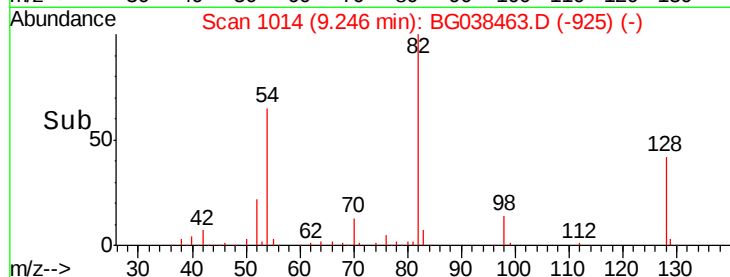
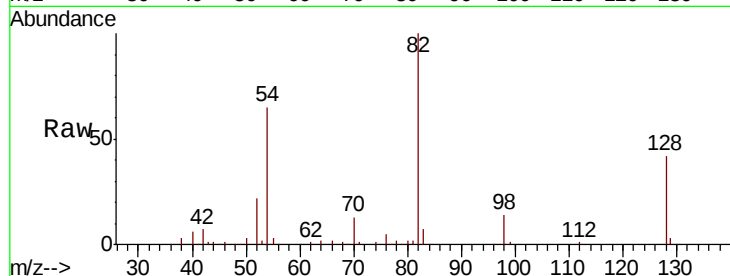
Tot Ion: 82 Resp: 177492

Ion Ratio Lower Upper

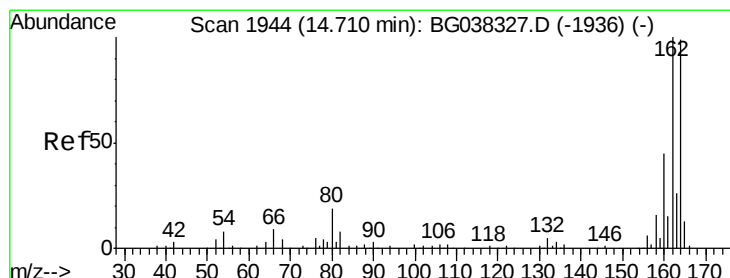
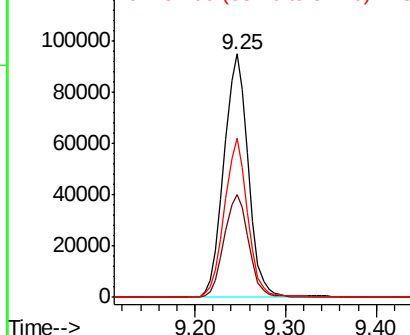
82 100

128 42.2 34.6 51.8

54 65.2 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: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038463.D

Acq: 11 Dec 2018 9:24

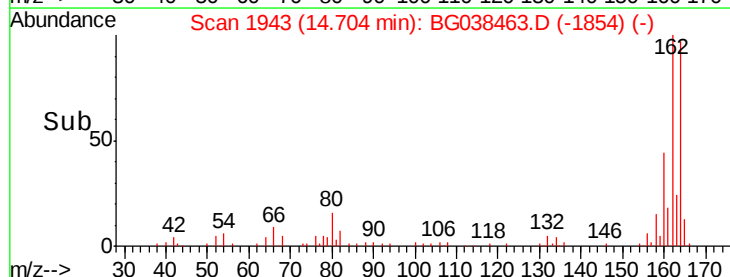
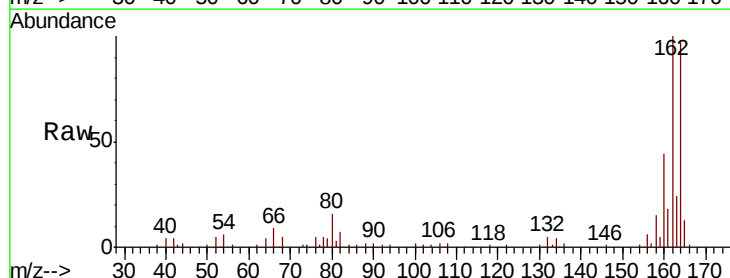
Tgt Ion:164 Resp: 67590

Ion Ratio Lower Upper

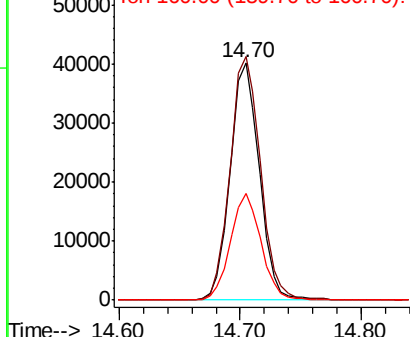
164 100

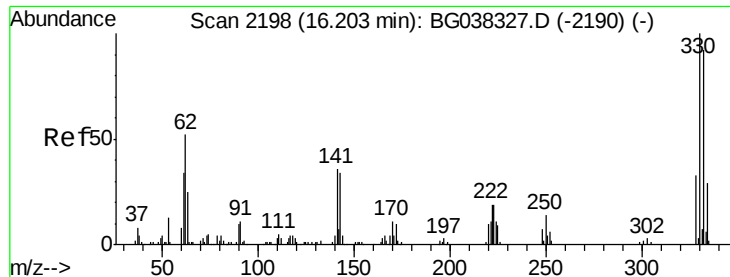
162 102.6 81.3 121.9

160 44.8 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

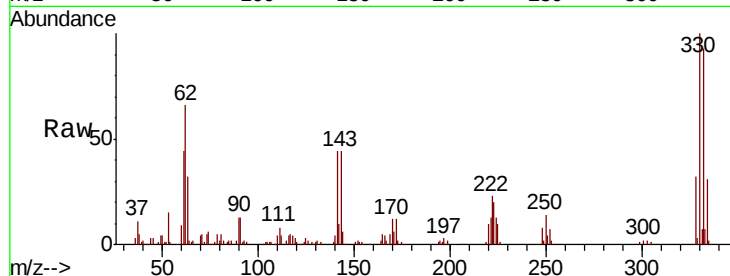




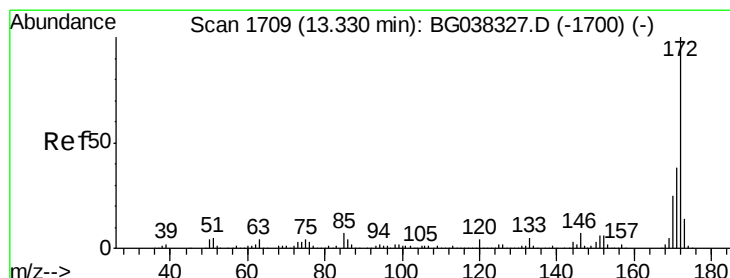
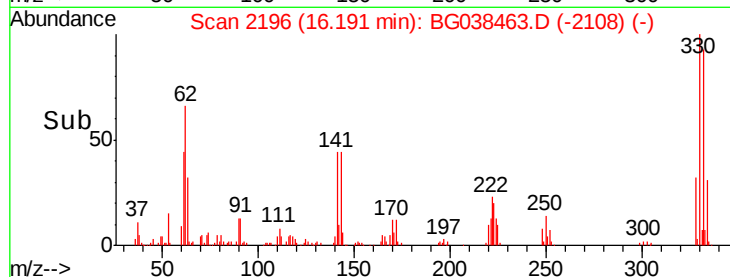
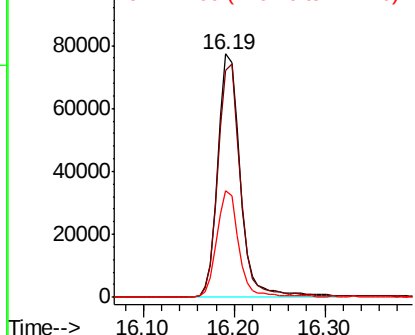
#42
 2,4,6-Tribromophenol
 Concen: 160.834 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038463.D
 Acq: 11 Dec 2018 9:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 133452
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.4 117.6
 141 42.8 32.2 48.2

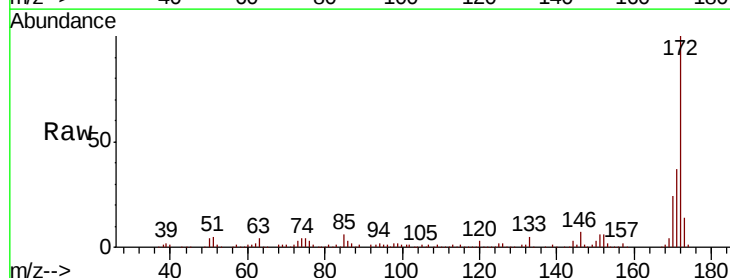


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

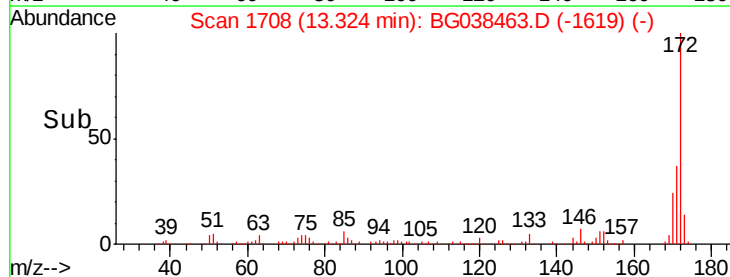
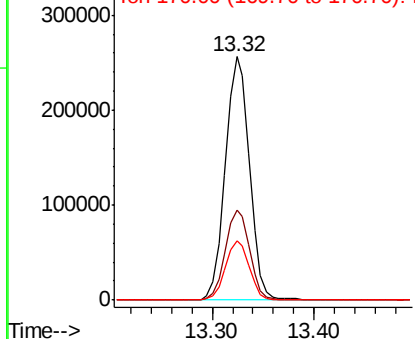


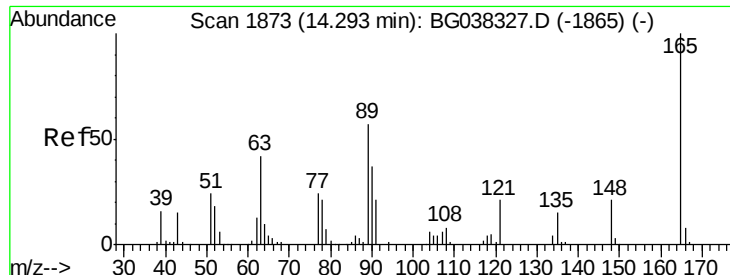
#45
 2-Fluorobiphenyl
 Concen: 89.087 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038463.D
 Acq: 11 Dec 2018 9:24

Tgt Ion:172 Resp: 422579
 Ion Ratio Lower Upper
 172 100
 171 37.1 31.0 46.4
 170 24.4 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

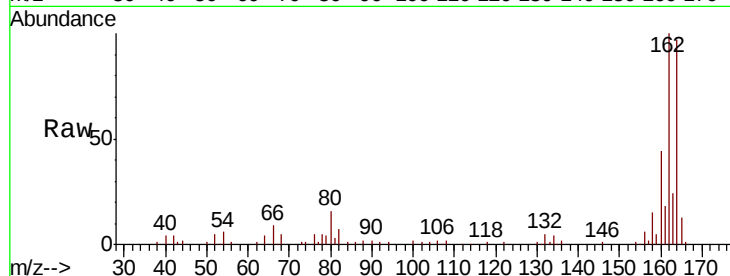




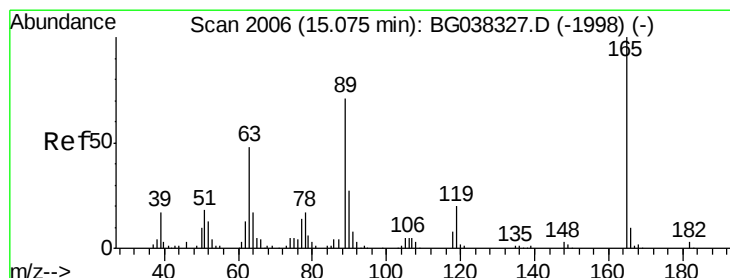
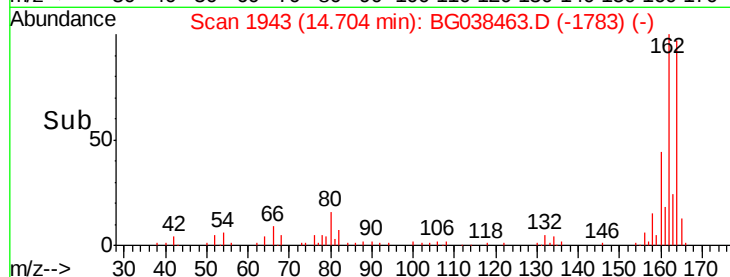
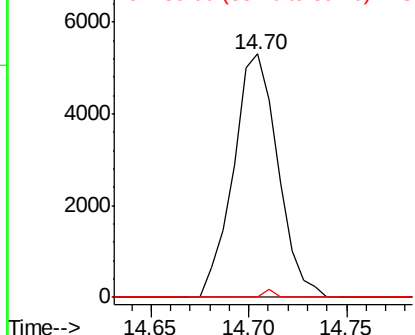
#51
 2,6-Dinitrotoluene
 Concen: 6.760 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038463.D
 Acq: 11 Dec 2018 9:24

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#

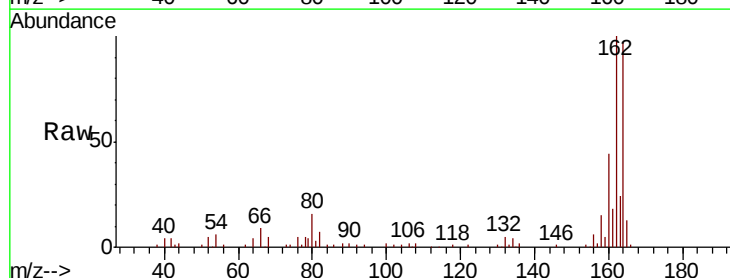


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

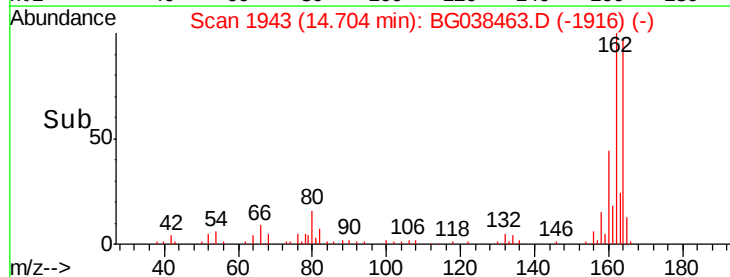
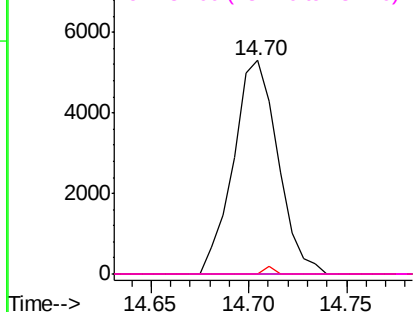


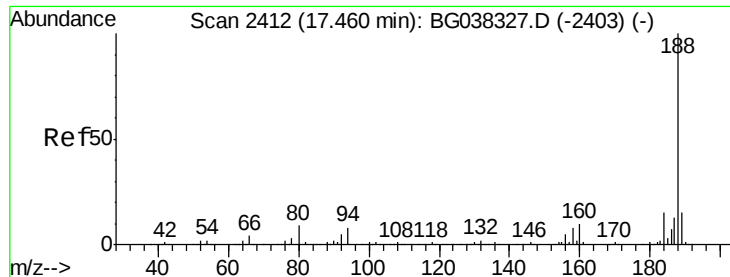
#57
 2,4-Dinitrotoluene
 Concen: 4.901 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038463.D
 Acq: 11 Dec 2018 9:24

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

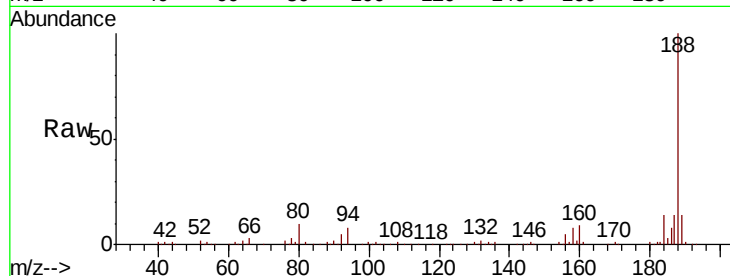




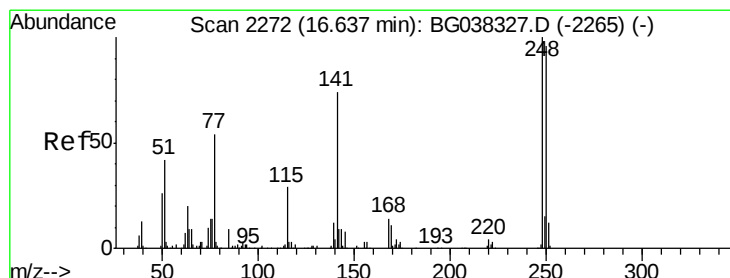
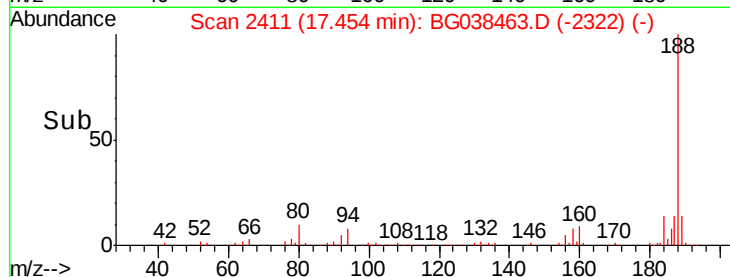
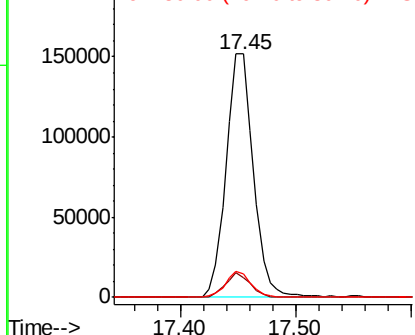
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 248627
Ion Ratio Lower Upper
188 100
94 8.3 7.2 10.8
80 9.9 7.7 11.5

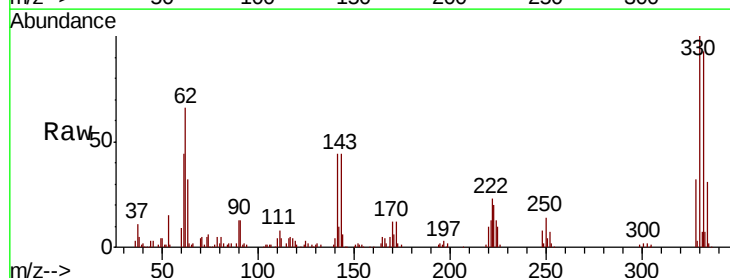


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

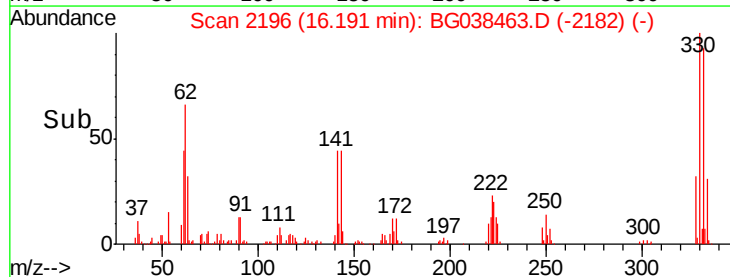
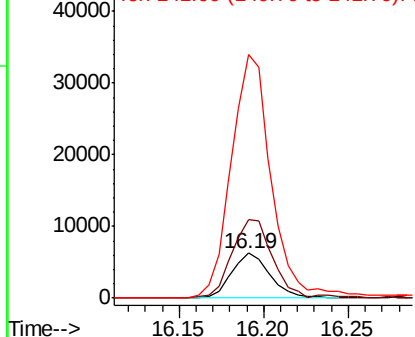


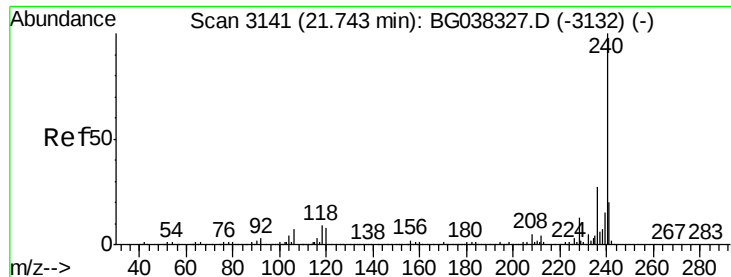
#67
4-Bromophenyl-phenylether
Concen: 3.669 ng
RT: 16.19 min Scan# 2196
Delta R.T. -0.45 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

Tgt Ion:248 Resp: 9852
Ion Ratio Lower Upper
248 100
250 176.2 77.0 115.6#
141 420.3 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

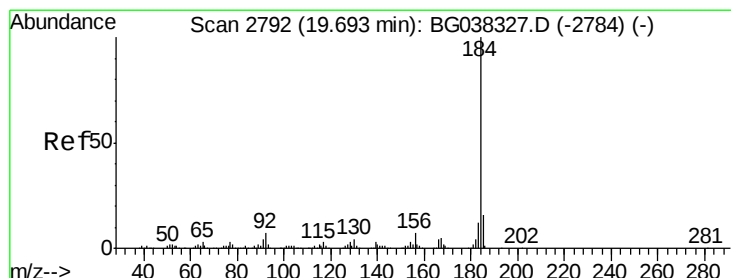
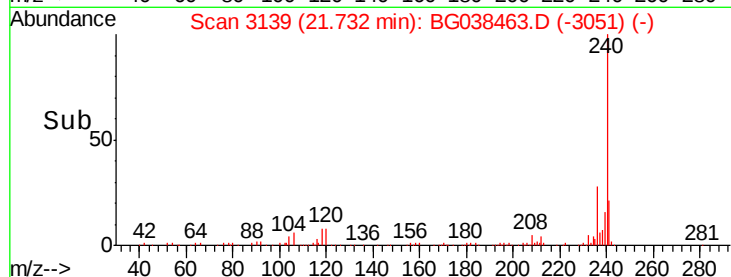
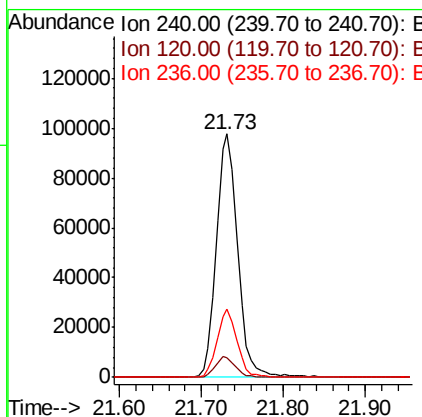
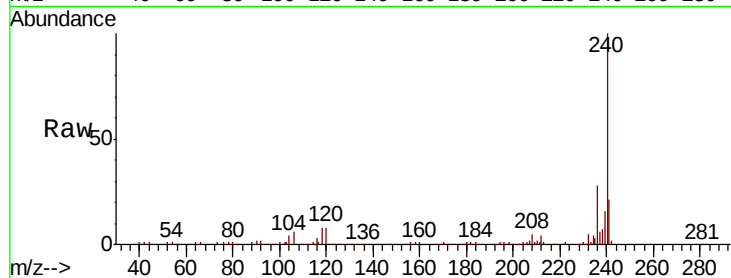




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

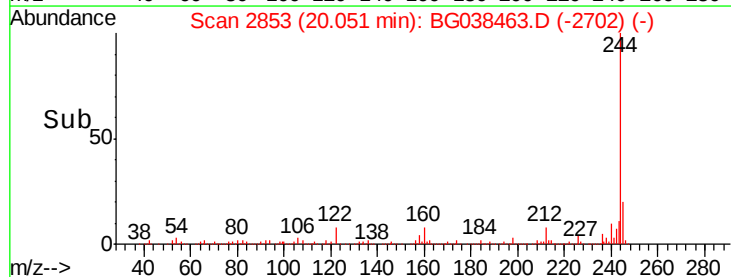
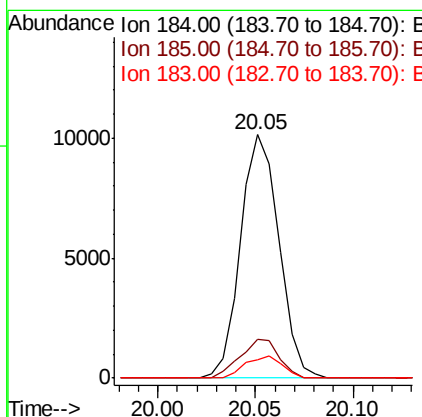
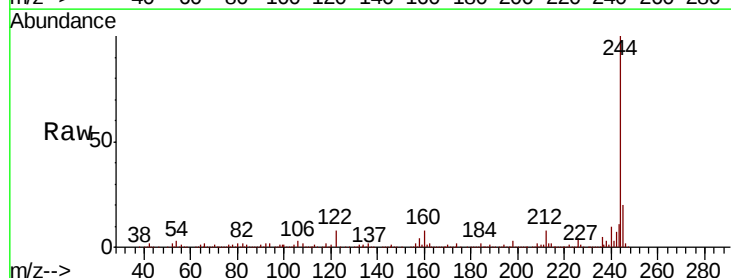
Instrument :
BNA_G
ClientSampleId :

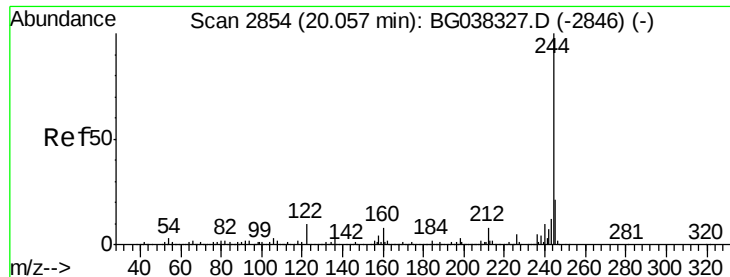
Tot Ion:240 Resp: 177156
Ion Ratio Lower Upper
240 100
120 8.1 8.1 12.1
236 27.9 21.4 32.0



#77
Benzidine
Concen: 2.305 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038463.D
Acq: 11 Dec 2018 9:24

Tgt Ion:184 Resp: 13778
Ion Ratio Lower Upper
184 100
185 16.0 12.6 18.8
183 7.5 10.2 15.2#





#79

Terphenyl-d14

Concen: 94.920 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038463.D

Acq: 11 Dec 2018 9:24

Instrument :

BNA_G

ClientSampleId :

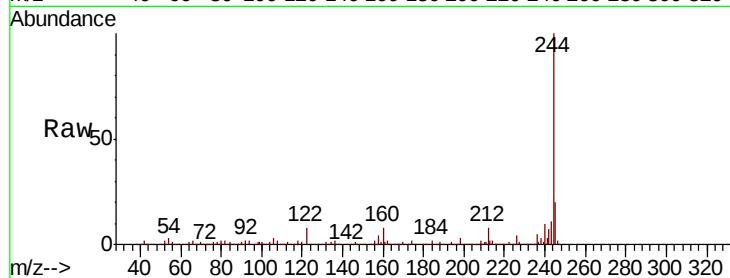
Tot Ion:244 Resp: 784950

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

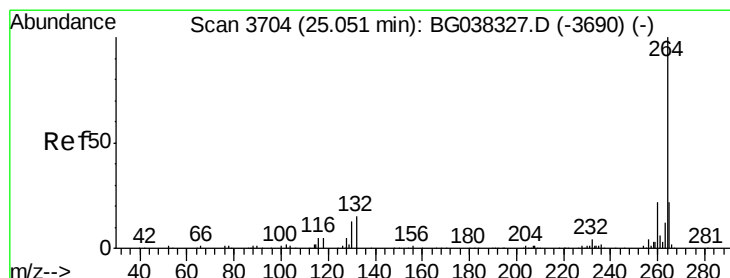
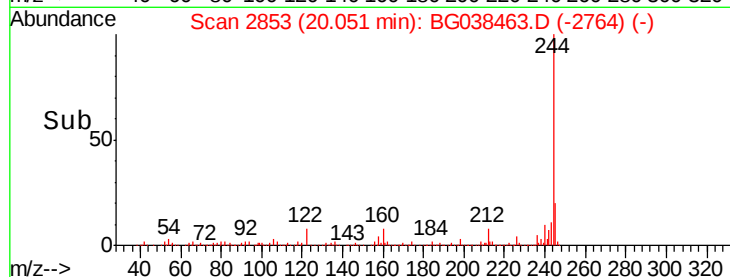
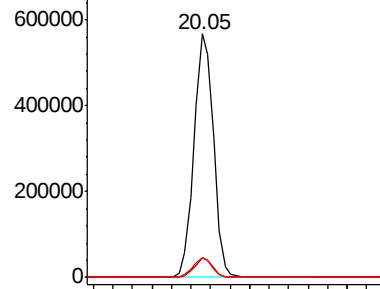
122 8.1 9.0 13.4#



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# 3702

Delta R.T. -0.01 min

Lab File: BG038463.D

Acq: 11 Dec 2018 9:24

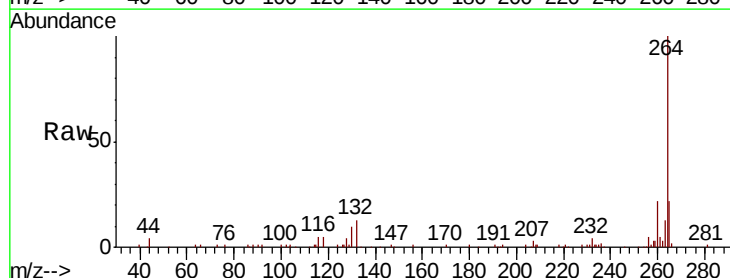
Tgt Ion:264 Resp: 176018

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.4

265 22.5 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

