

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120718\
 Data File : BG038418.D
 Acq On : 8 Dec 2018 00:43
 Operator : JU/SJ
 Sample : PB115432TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115432TB

Quant Time: Dec 08 04:09:46 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

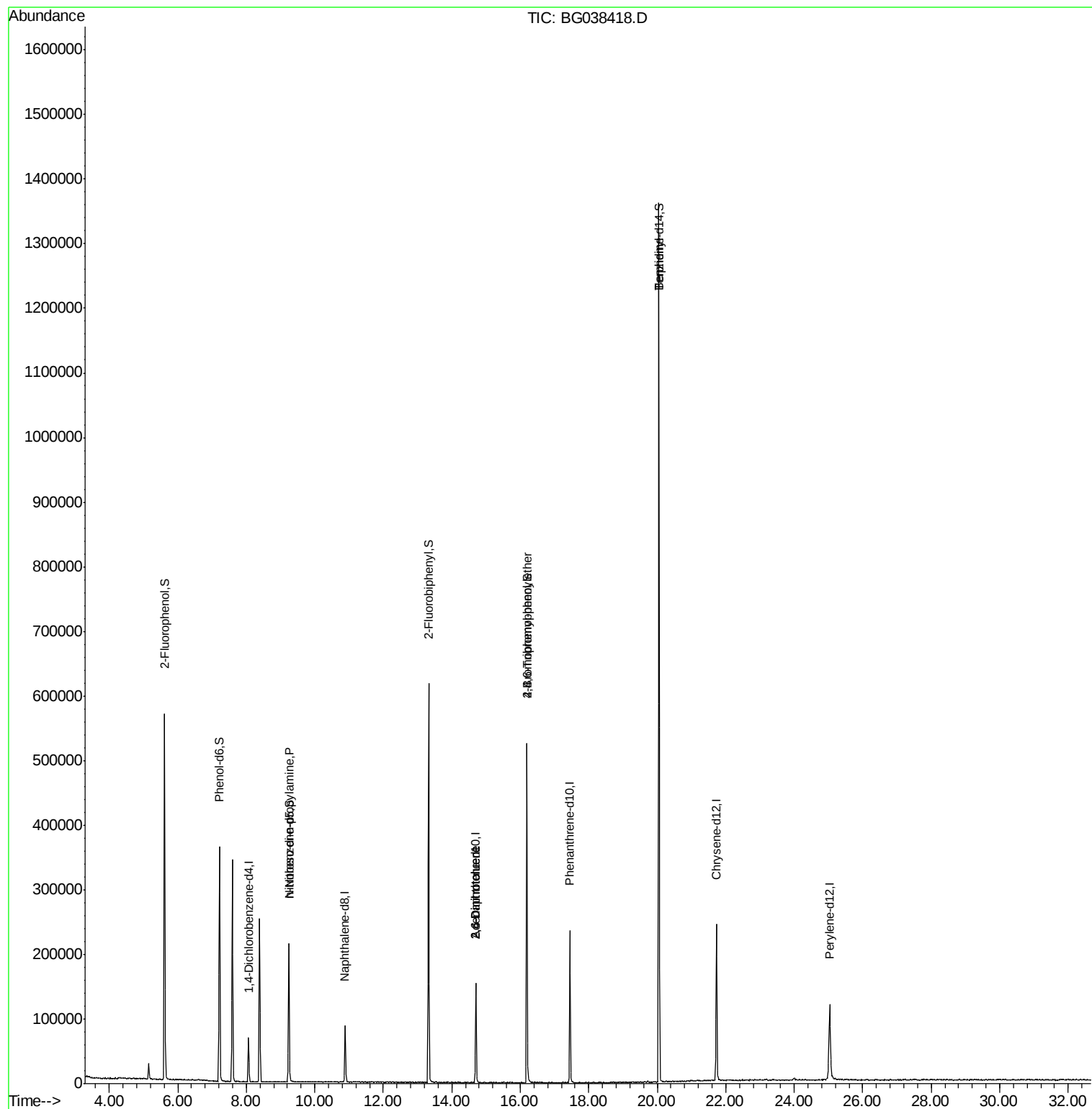
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	19445	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	85192	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	57070	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	164378	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	162203	20.00	ng	-0.01
87) Perylene-d12	25.03	264	156706	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	268463	244.32	ng	0.00
7) Phenol-d6	7.22	99	219841	138.43	ng	0.00
23) Nitrobenzene-d5	9.25	82	134967	78.66	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	101042	144.22	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	334484	83.51	ng	0.00
79) Terphenyl-d14	20.05	244	677304	89.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	17756	13.925	ng	# 76
51) 2,6-Dinitrotoluene	14.70	165	7234	6.918	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	7234	5.016	ng	# 25
67) 4-Bromophenyl-phenylether	16.19	248	6993	3.939	ng	# 1
77) Benzidine	20.05	184	11384	2.080	ng	# 92

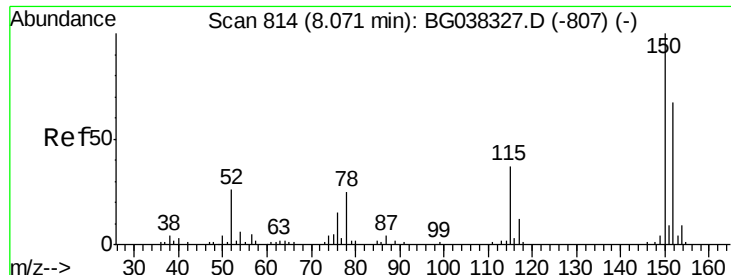
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

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BNA_G
ClientSampleId :
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Quant Time: Dec 08 04:09:46 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
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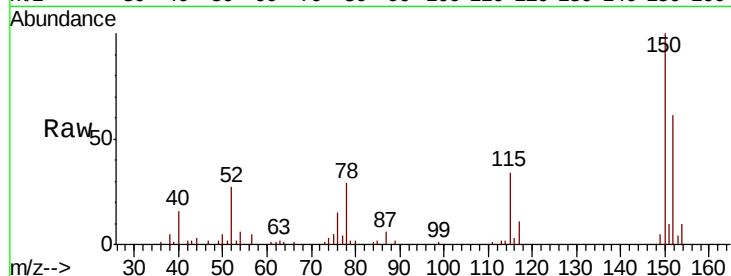


#1

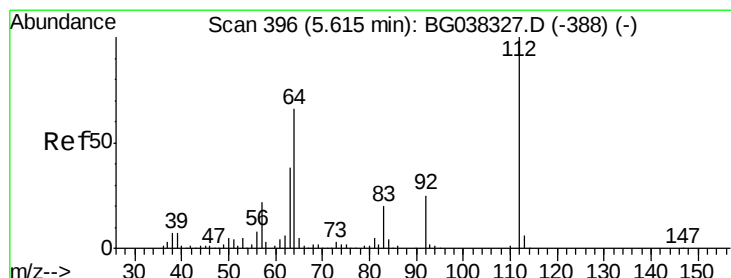
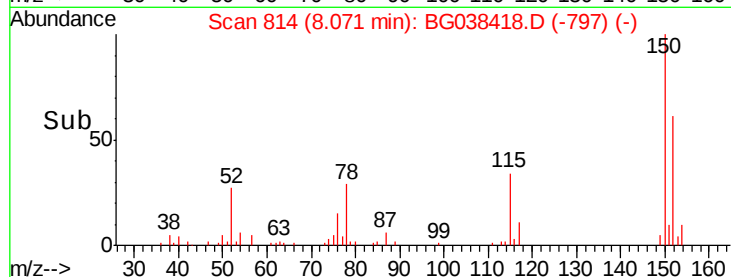
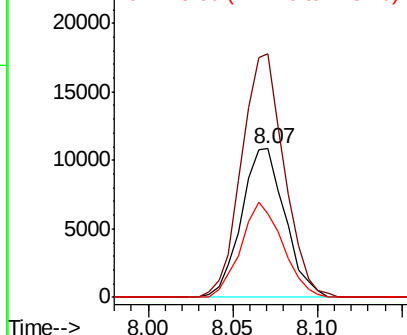
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG038418.D
Acq: 8 Dec 2018 00:43

Instrument :
BNA_G
ClientSampleId :
PB115432TB

Tgt Ion:152 Resp: 19445
Ion Ratio Lower Upper
152 100
150 163.6 126.0 189.0
115 55.9 45.5 68.3



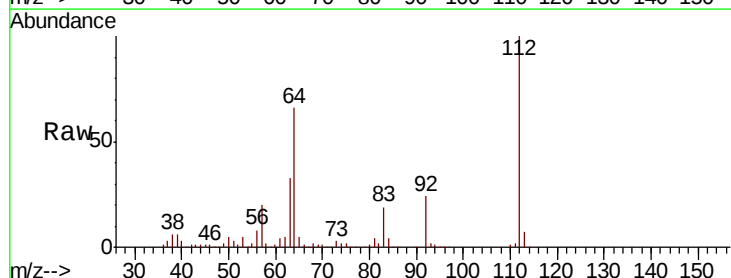
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



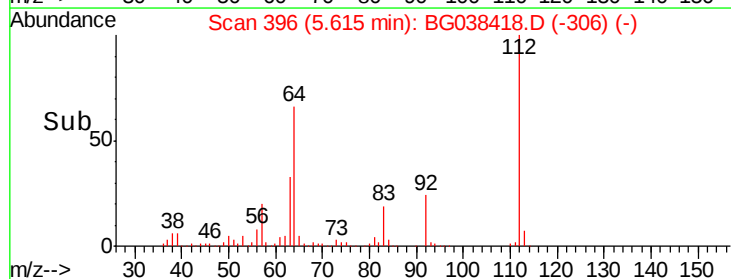
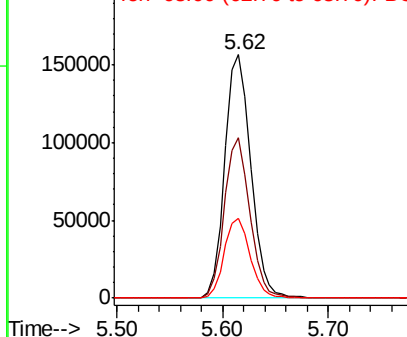
#5

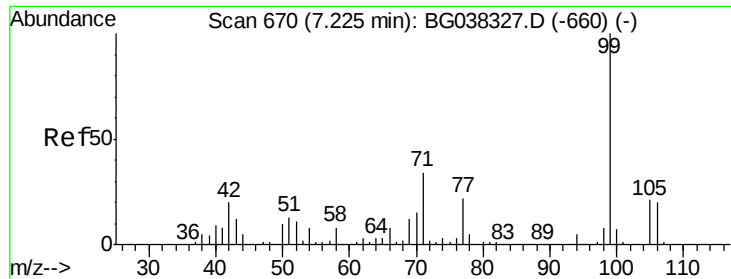
2-Fluorophenol
Concen: 244.322 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038418.D
Acq: 8 Dec 2018 00:43

Tgt Ion:112 Resp: 268463
Ion Ratio Lower Upper
112 100
64 65.8 53.1 79.7
63 32.6 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: 138.426 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038418.D

Acq: 8 Dec 2018 00:43

Instrument :

BNA_G

ClientSampleId :

PB115432TB

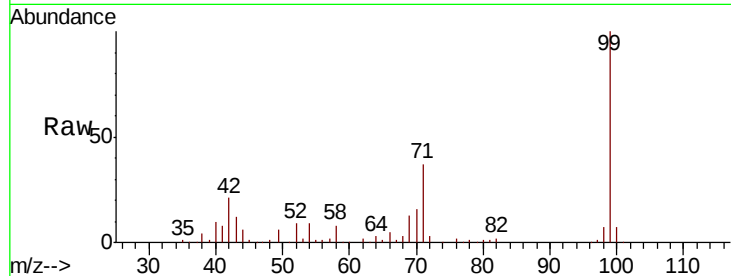
Tgt Ion: 99 Resp: 219841

Ion Ratio Lower Upper

99 100

42 21.3 15.0 22.4

71 37.1 25.5 38.3

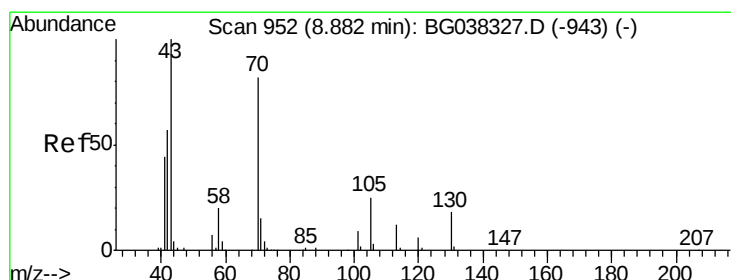
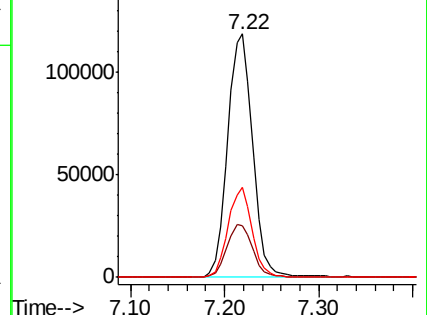
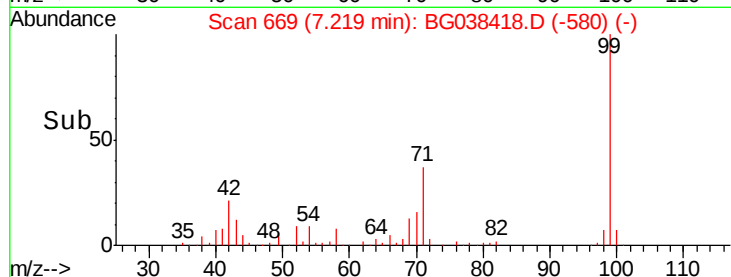


Abundance

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: 13.925 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.36 min

Lab File: BG038418.D

Acq: 8 Dec 2018 00:43

Tgt Ion: 70 Resp: 17756

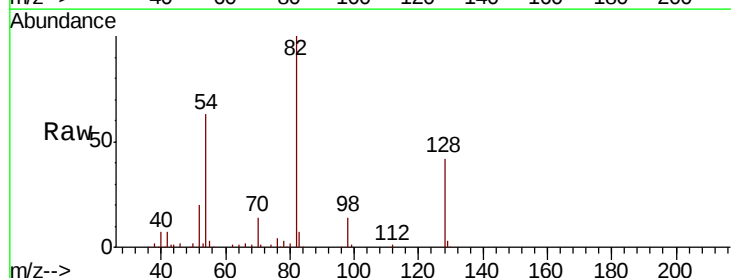
Ion Ratio Lower Upper

70 100

42 53.2 53.9 80.9#

101 0.0 8.2 12.2#

130 1.9 18.2 27.4#



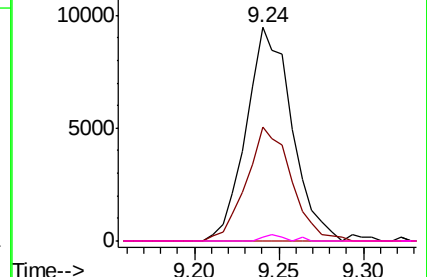
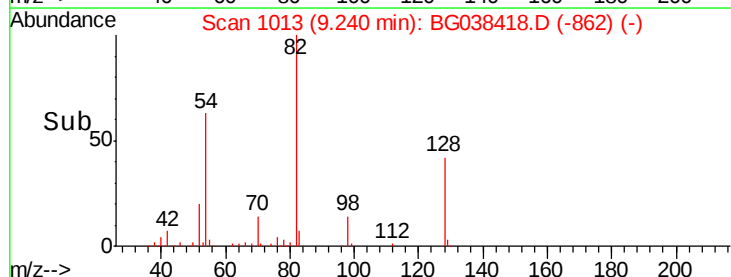
Abundance

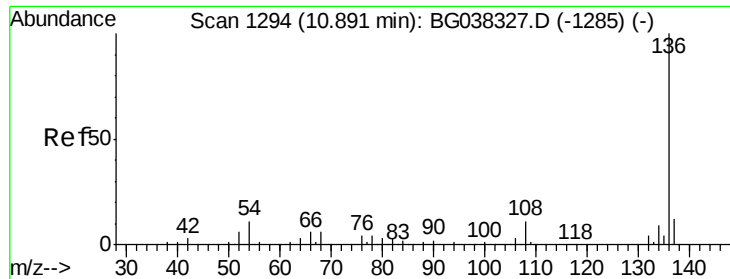
Ion 70.00 (69.70 to 70.70): BGC

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

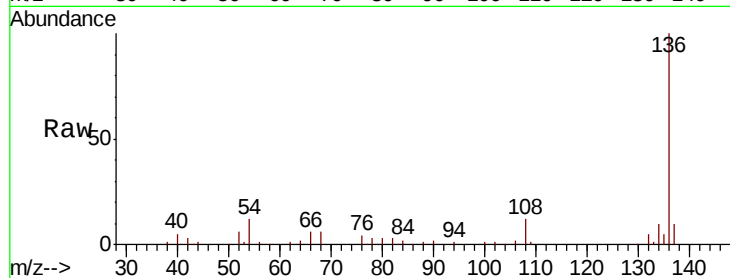




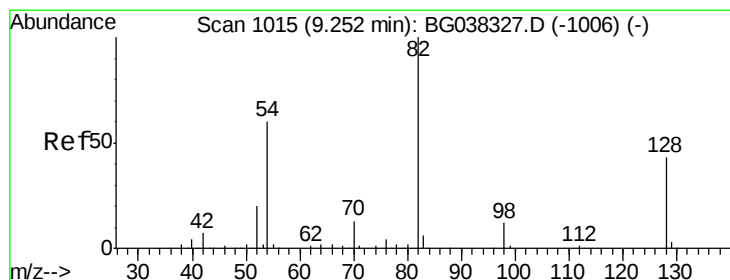
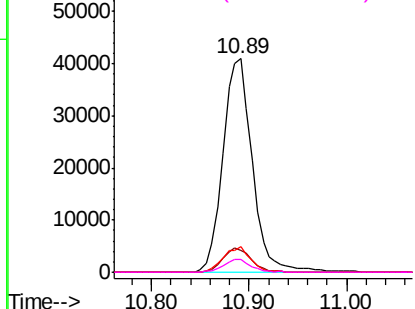
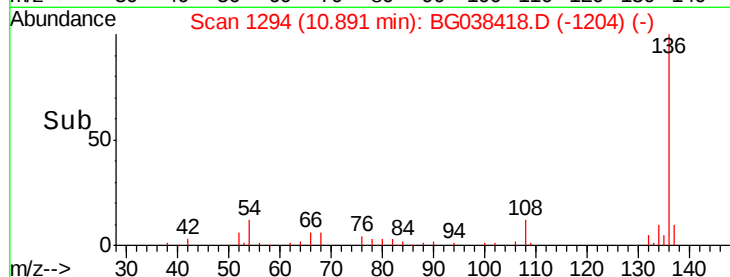
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG038418.D
Acq: 8 Dec 2018 00:43

Instrument :
BNA_G
ClientSampleId :
PB115432TB

Tgt Ion: 136 Resp: 85192
Ion Ratio Lower Upper
136 100
137 10.4 9.6 14.4
54 11.7 7.9 11.9
68 6.3 4.8 7.2

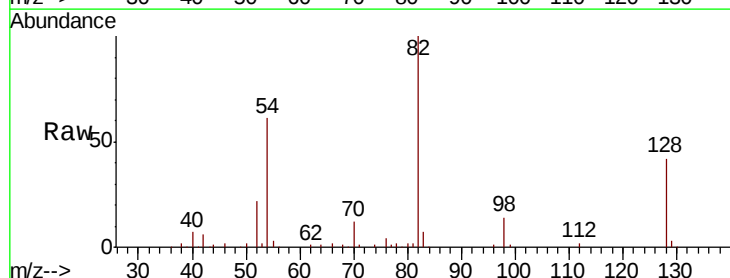


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

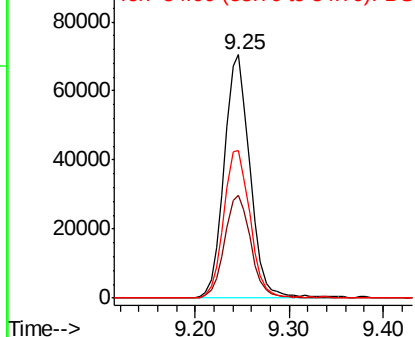
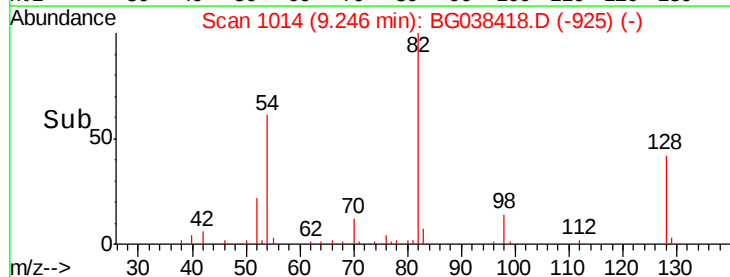


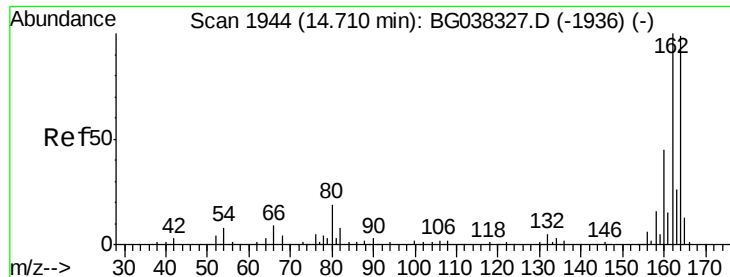
#23
Nitrobenzene-d5
Concen: 78.656 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038418.D
Acq: 8 Dec 2018 00:43

Tgt Ion: 82 Resp: 134967
Ion Ratio Lower Upper
82 100
128 42.3 34.6 51.8
54 60.8 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: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038418.D

Acq: 8 Dec 2018 00:43

Instrument :

BNA_G

ClientSampleId :

PB115432TB

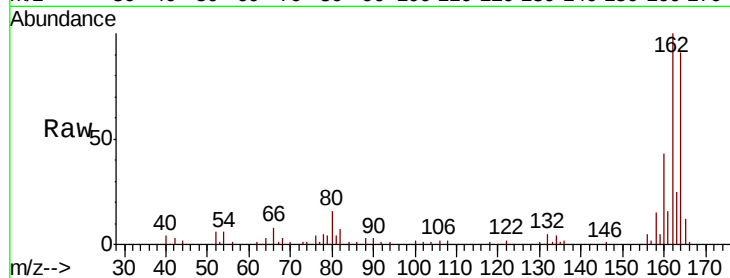
Tgt Ion:164 Resp: 57070

Ion Ratio Lower Upper

164 100

162 109.5 81.3 121.9

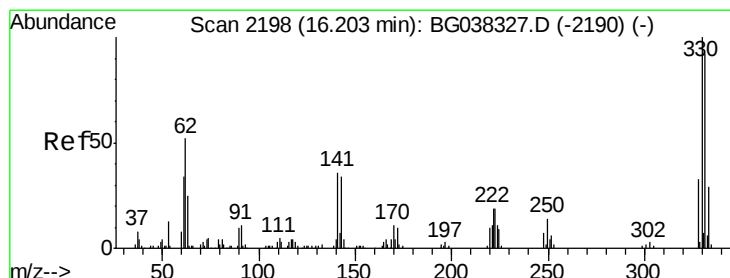
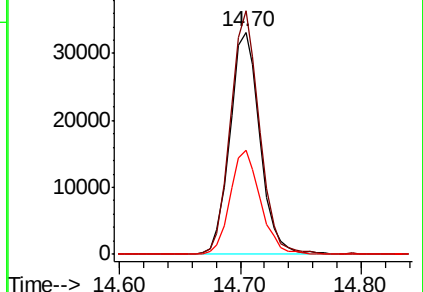
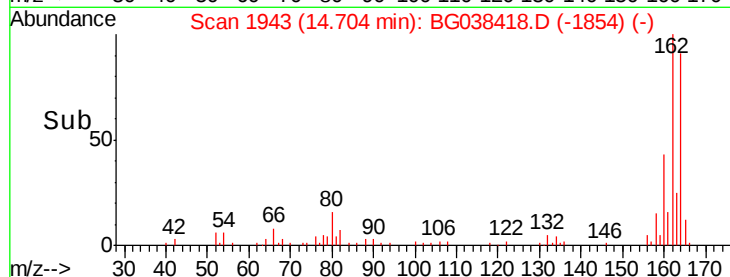
160 46.6 36.3 54.5



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: 144.221 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG038418.D

Acq: 8 Dec 2018 00:43

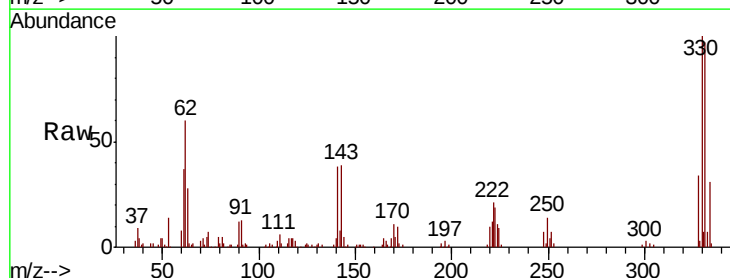
Tgt Ion:330 Resp: 101042

Ion Ratio Lower Upper

330 100

332 93.6 78.4 117.6

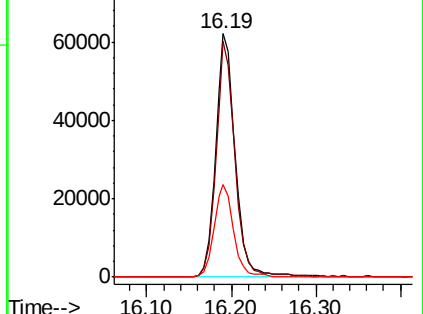
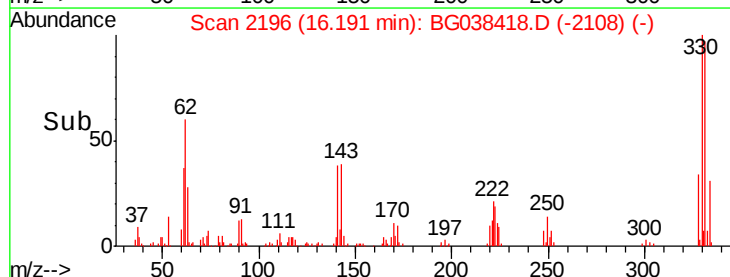
141 37.9 32.2 48.2

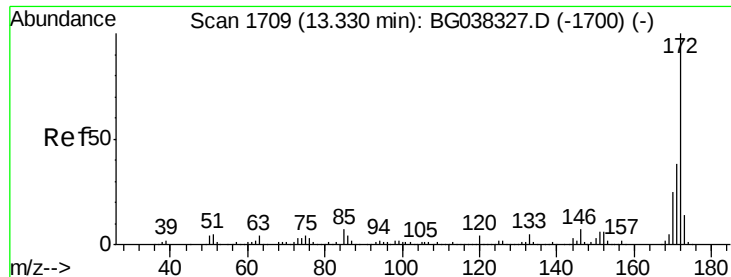


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

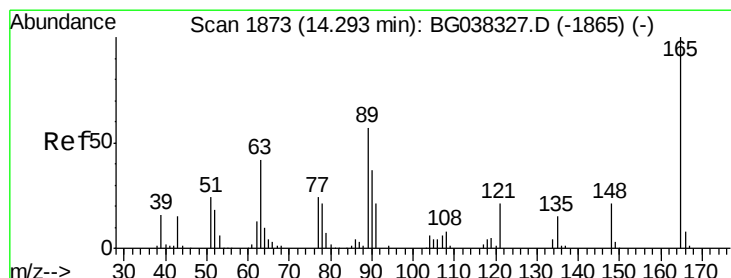
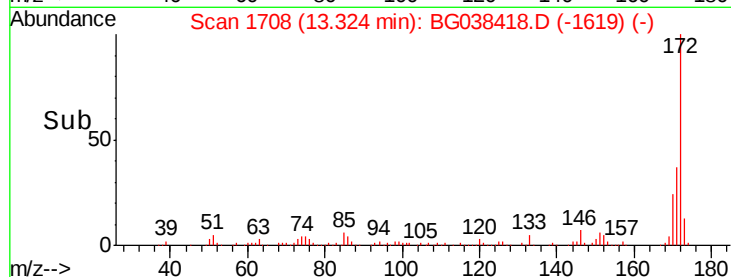
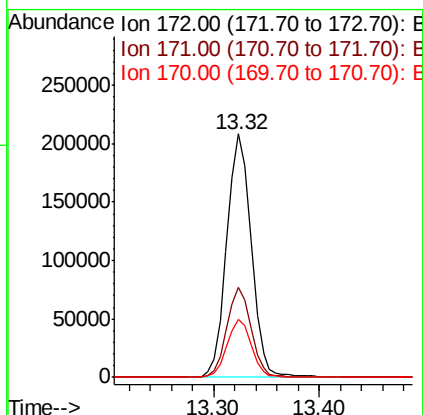
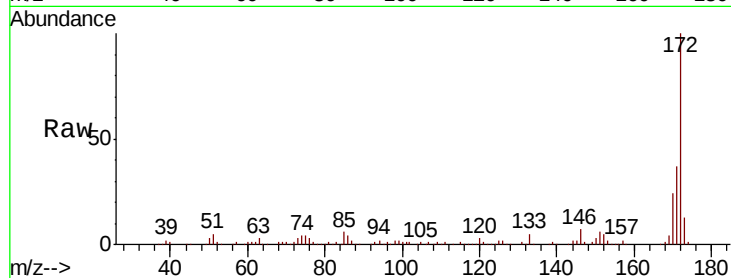




#45
 2-Fluorobiphenyl
 Concen: 83.513 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038418.D
 Acq: 8 Dec 2018 00:43

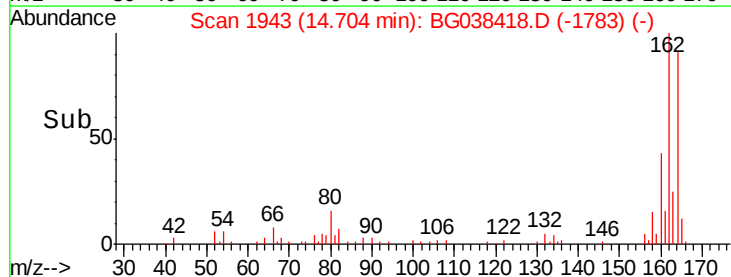
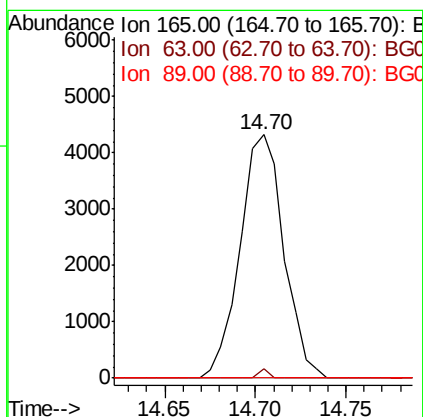
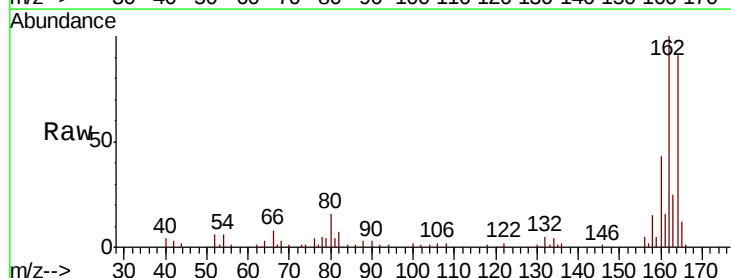
Instrument :
 BNA_G
 ClientSampled :
 PB115432TB

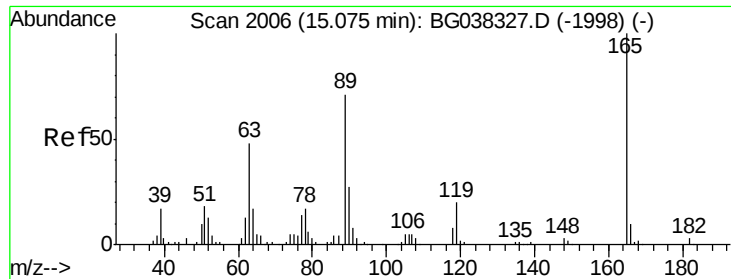
Tgt Ion:172 Resp: 334484
 Ion Ratio Lower Upper
 172 100
 171 37.0 31.0 46.4
 170 23.8 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 6.918 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038418.D
 Acq: 8 Dec 2018 00:43

Tgt Ion:165 Resp: 7234
 Ion Ratio Lower Upper
 165 100
 63 4.1 43.4 65.2#
 89 0.0 45.8 68.6#

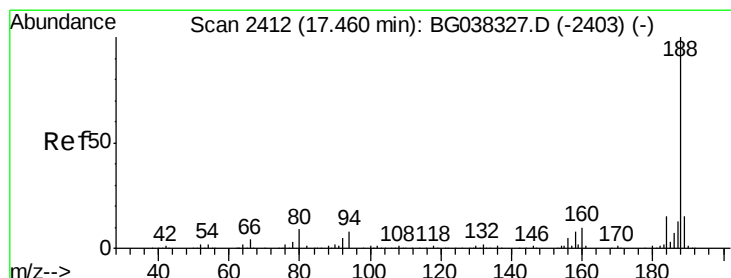
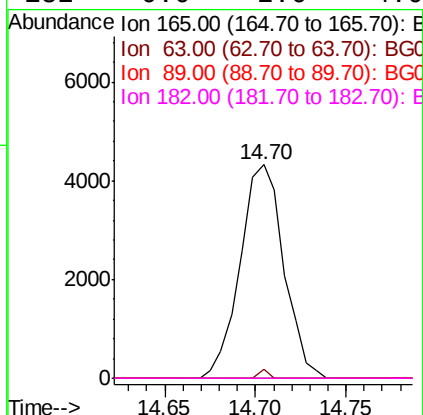
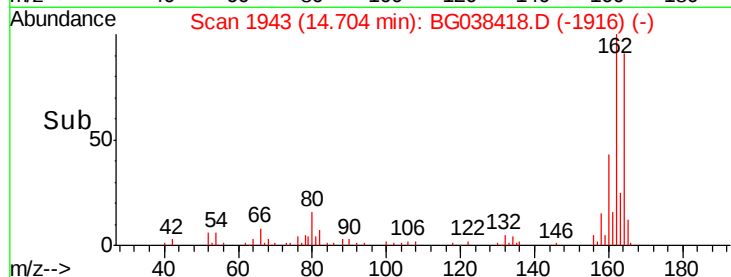
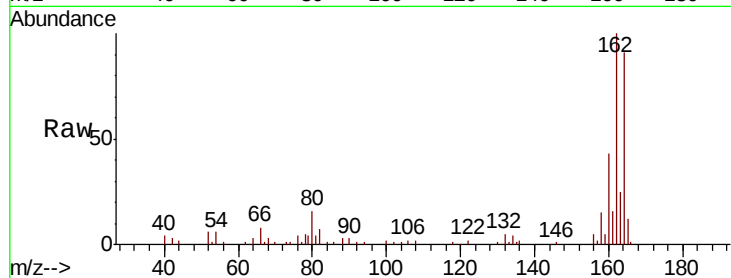




#57
 2,4-Dinitrotoluene
 Concen: 5.016 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038418.D
 Acq: 8 Dec 2018 00:43

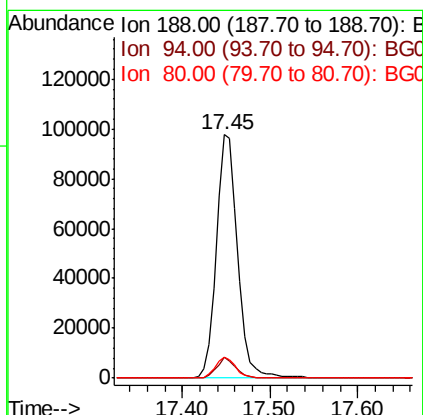
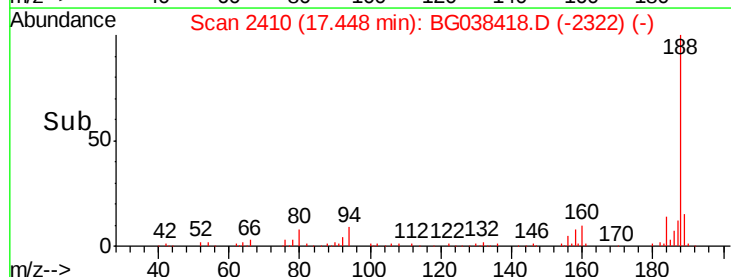
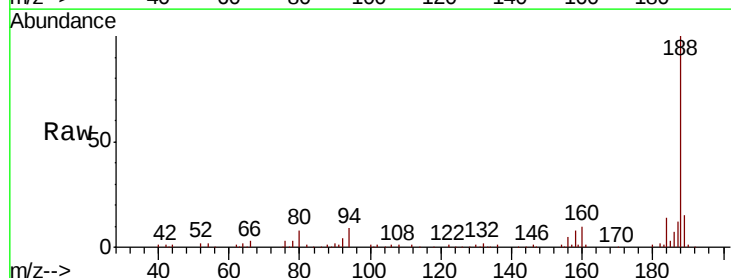
Instrument :
 BNA_G
 ClientSampleId :
 PB115432TB

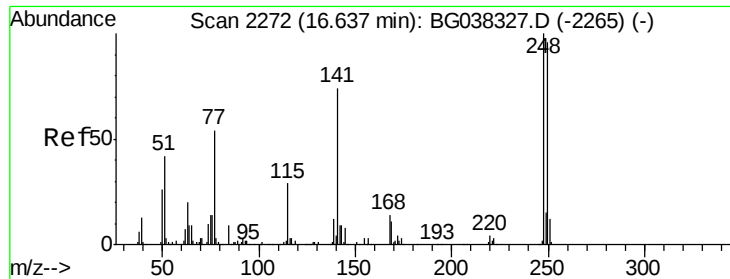
Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.1	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038418.D
 Acq: 8 Dec 2018 00:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	8.3	7.7	11.5

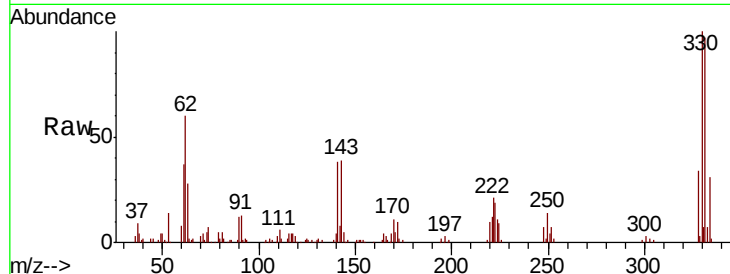




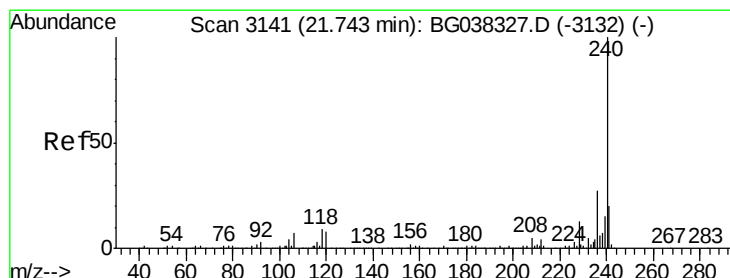
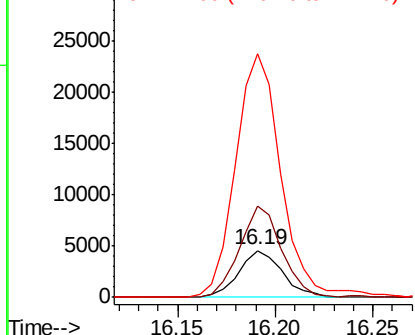
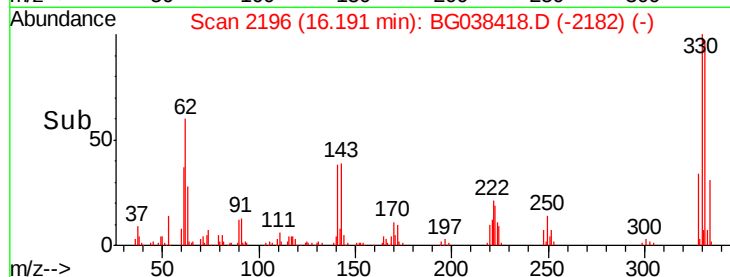
#67
 4-Bromophenyl-phenylether
 Concen: 3.939 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.45 min
 Lab File: BG038418.D
 Acq: 8 Dec 2018 00:43

Instrument :
 BNA_G
 ClientSampleId :
 PB115432TB

Tgt Ion:248 Resp: 6993
 Ion Ratio Lower Upper
 248 100
 250 188.4 77.0 115.6#
 141 402.3 55.5 83.3#

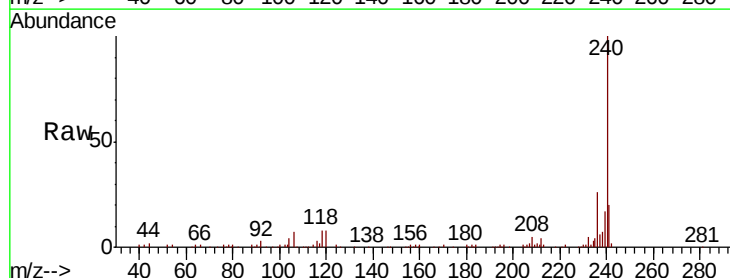


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

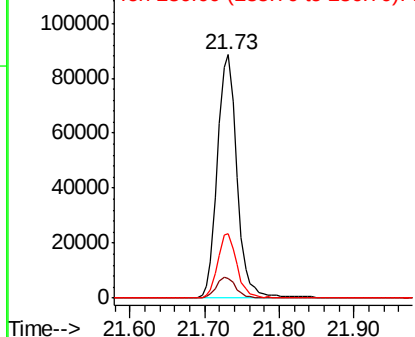
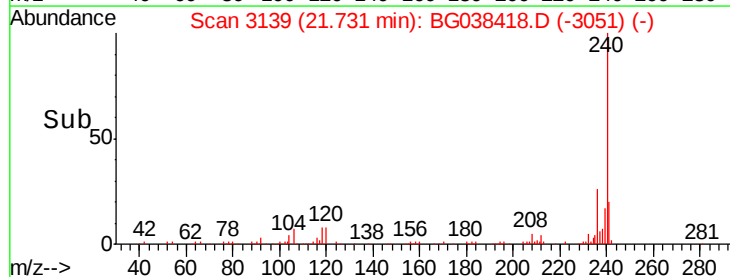


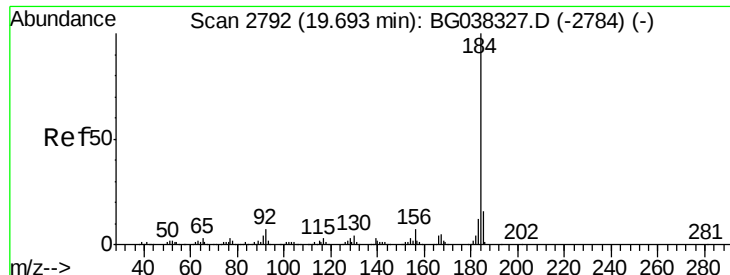
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG038418.D
 Acq: 8 Dec 2018 00:43

Tgt Ion:240 Resp: 162203
 Ion Ratio Lower Upper
 240 100
 120 8.0 8.1 12.1#
 236 26.3 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: 2.080 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038418.D

Acq: 8 Dec 2018 00:43

Instrument :

BNA_G

ClientSampleId :

PB115432TB

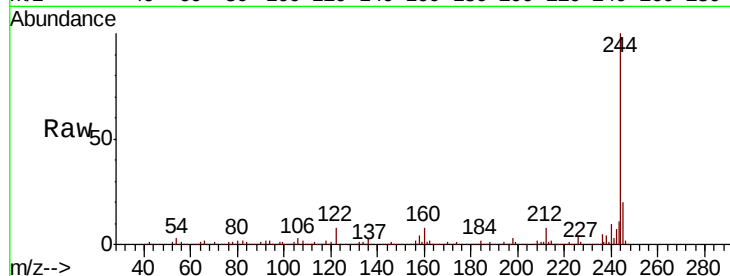
Tgt Ion:184 Resp: 11384

Ion Ratio Lower Upper

184 100

185 14.5 12.6 18.8

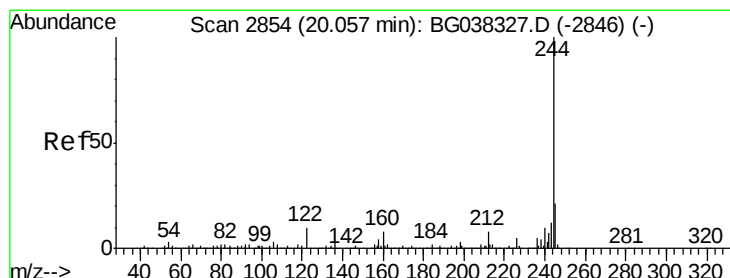
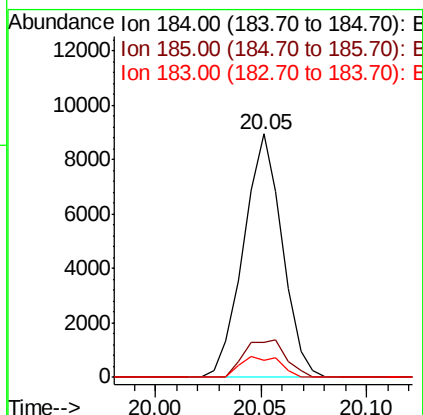
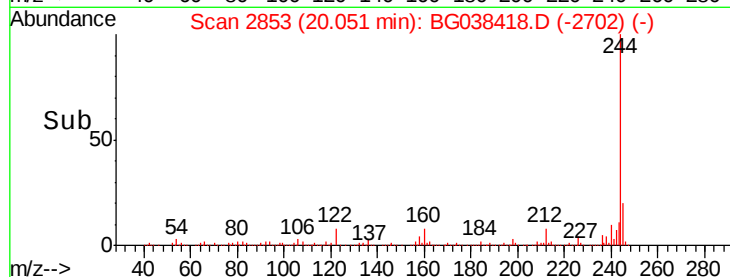
183 7.1 10.2 15.2#



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: 89.453 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038418.D

Acq: 8 Dec 2018 00:43

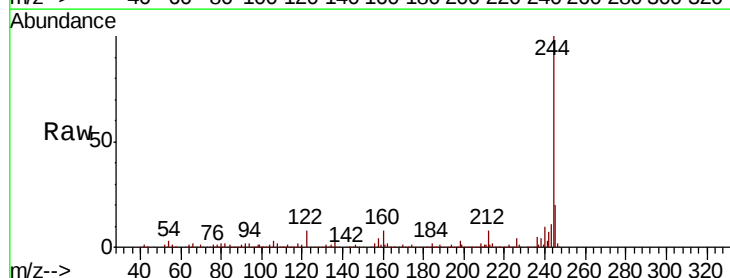
Tgt Ion:244 Resp: 677304

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

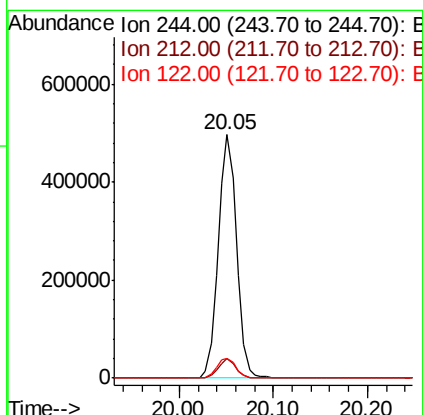
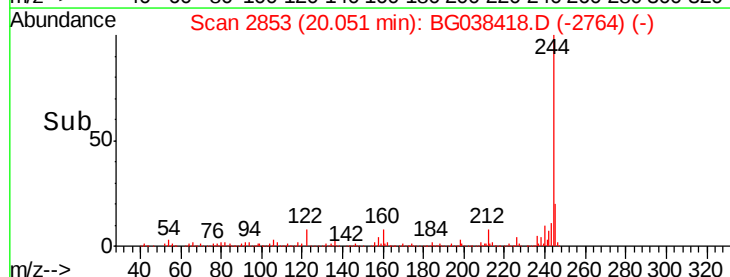
122 8.0 9.0 13.4#

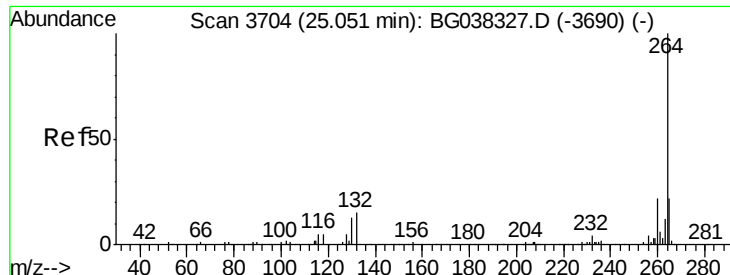


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.03 min Scan# 3701
Delta R.T. -0.02 min
Lab File: BG038418.D
Acq: 8 Dec 2018 00:43

Instrument :
BNA_G
ClientSampleId :
PB115432TB

Tgt Ion: 264 Resp: 156706
Ion Ratio Lower Upper
264 100
260 22.6 18.2 27.4
265 20.4 17.9 26.9

