

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041115.D
 Acq On : 8 Jun 2019 2:13
 Operator : HP/JU
 Sample : PB120393BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120393BL

Quant Time: Jun 08 07:03:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

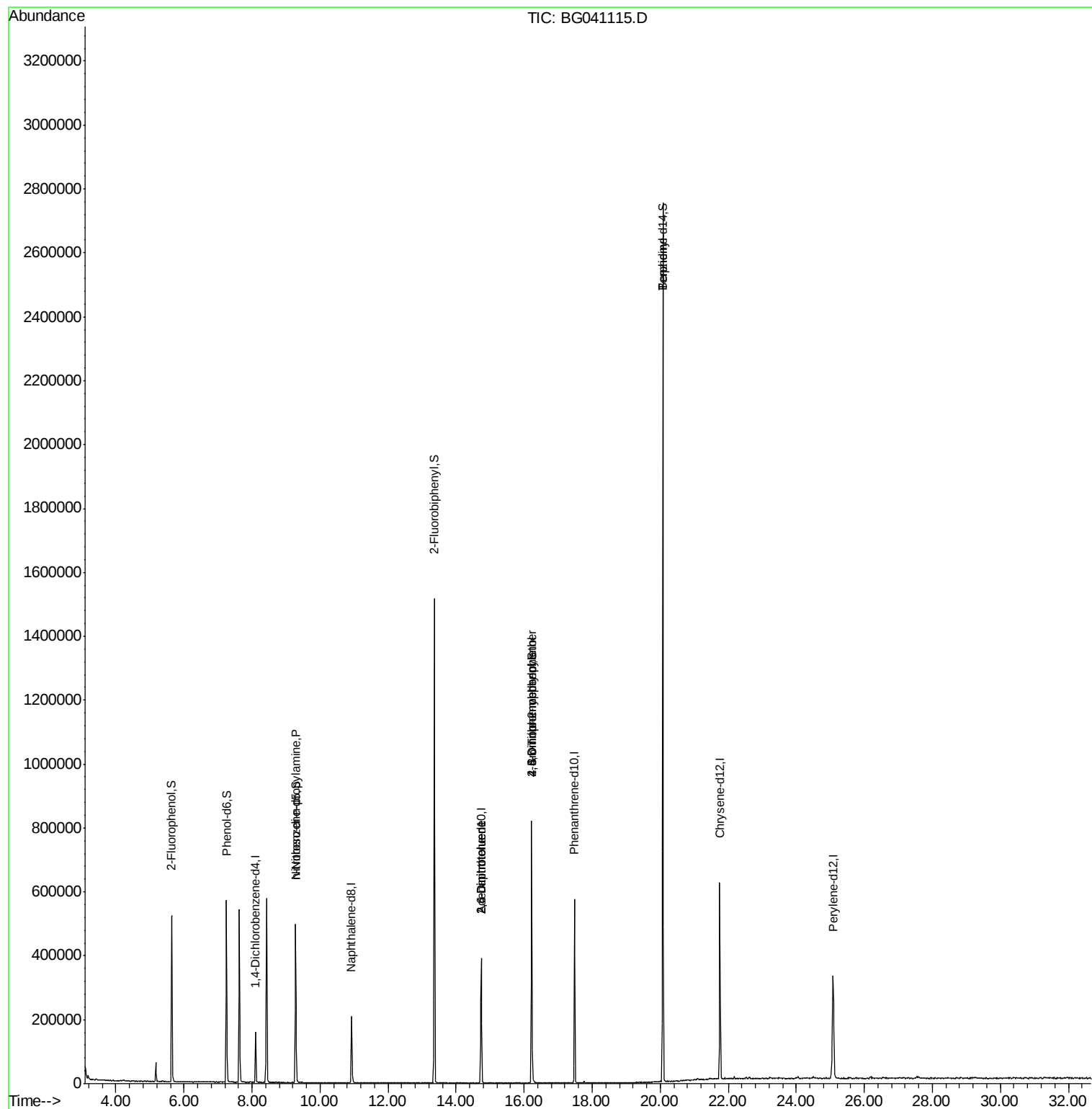
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	43707	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	178003	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	140069	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	358635	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	368406	20.00	ng	-0.03
87) Perylene-d12	25.08	264	385506	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	205842	84.92	ng	-0.01
7) Phenol-d6	7.25	99	297158	79.38	ng	-0.02
23) Nitrobenzene-d5	9.29	82	306248	76.38	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	158542	76.24	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	772838	79.46	ng	-0.03
79) Terphenyl-d14	20.08	244	1325641	76.37	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	43078	14.954	ng	# 76
51) 2,6-Dinitrotoluene	14.73	165	17629	6.896	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	17629	4.882	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.22	198	547	8.823	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	11716	2.421	ng	# 1
77) Benzidine	20.07	184	21711	2.470	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 854

Delta R.T. -0.03 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120393BL

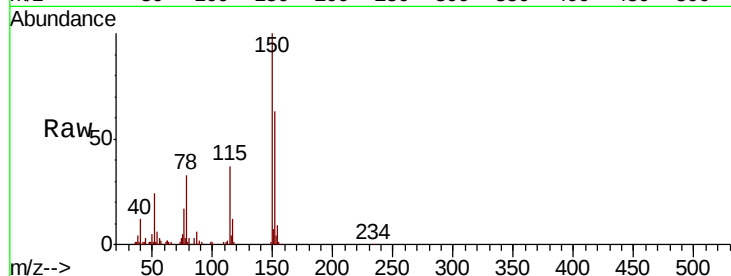
Tgt Ion:152 Resp: 43707

Ion Ratio Lower Upper

152 100

150 157.7 120.6 180.8

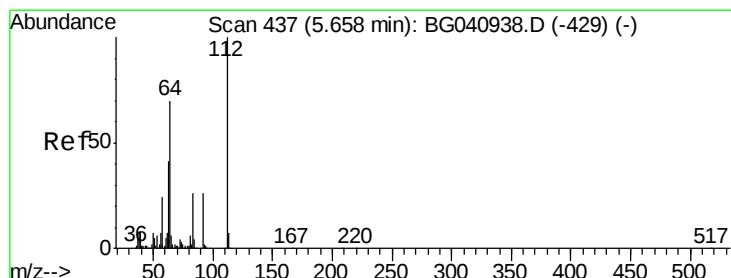
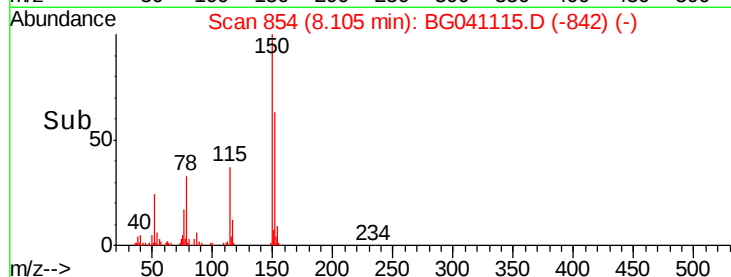
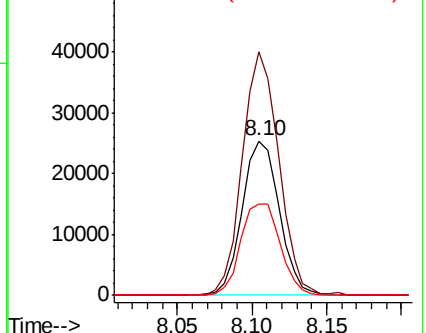
115 58.8 45.1 67.7



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: 84.924 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

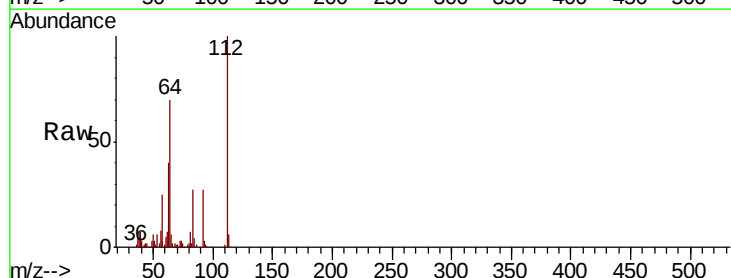
Tgt Ion:112 Resp: 205842

Ion Ratio Lower Upper

112 100

64 70.0 56.2 84.2

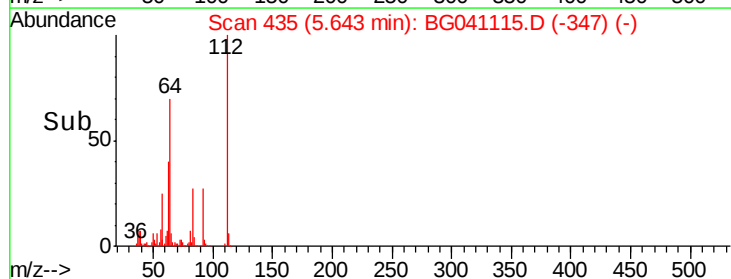
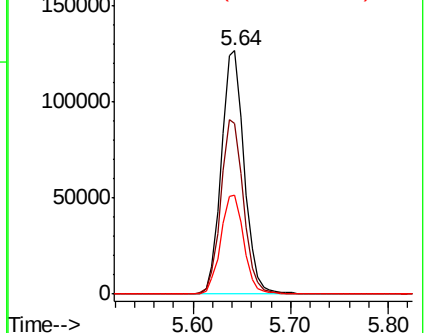
63 40.4 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 79.382 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120393BL

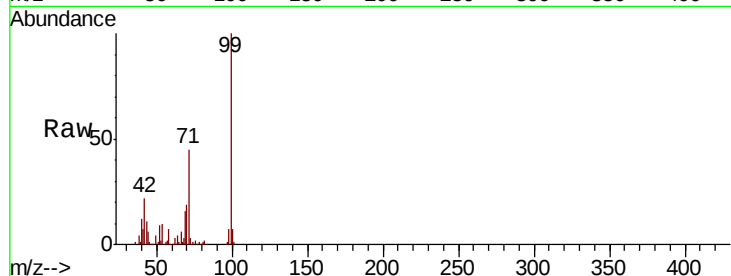
Tgt Ion: 99 Resp: 297158

Ion Ratio Lower Upper

99 100

42 21.8 17.9 26.9

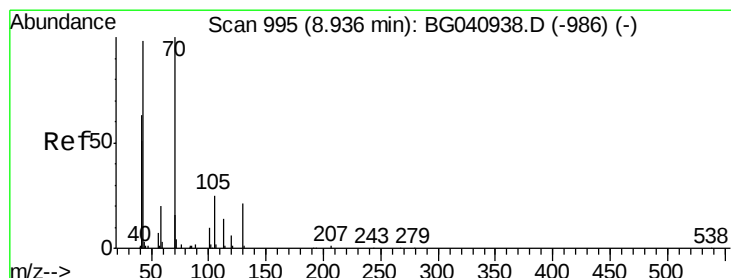
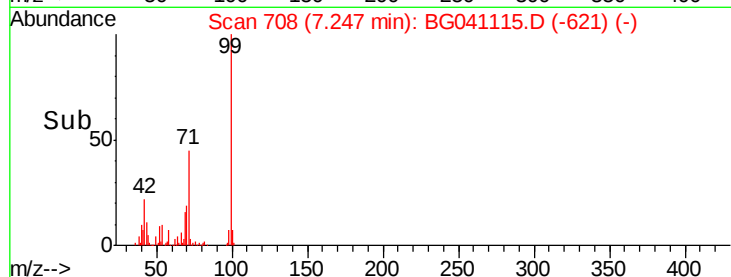
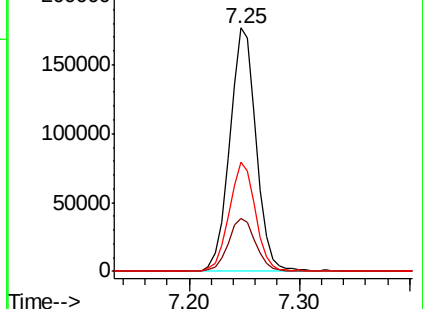
71 45.0 35.4 53.0



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: 14.954 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

Tgt Ion: 70 Resp: 43078

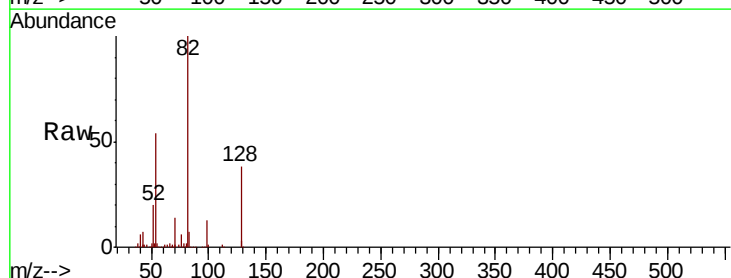
Ion Ratio Lower Upper

70 100

42 49.6 51.5 77.3#

101 0.0 8.1 12.1#

130 1.8 16.6 24.8#

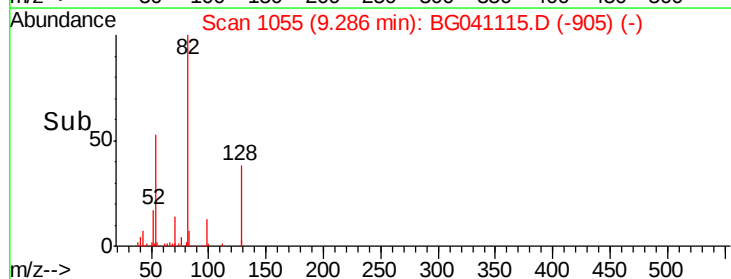
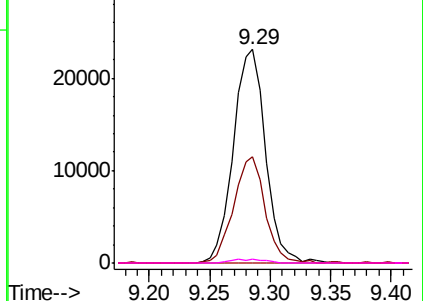


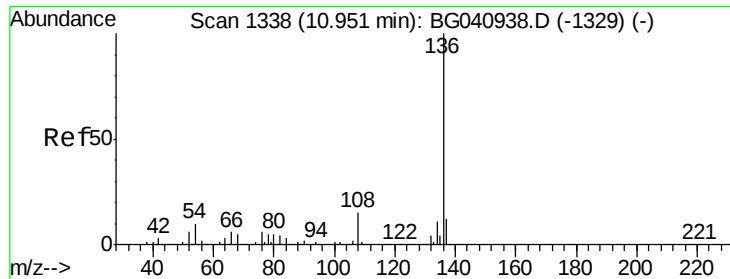
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

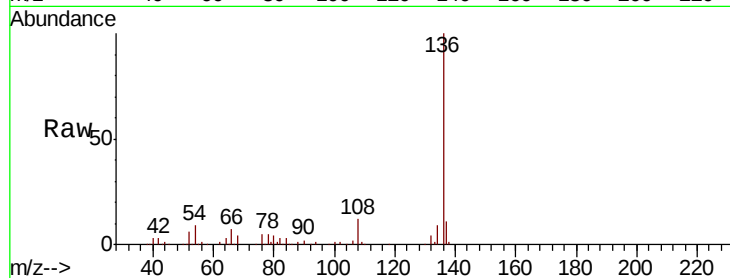




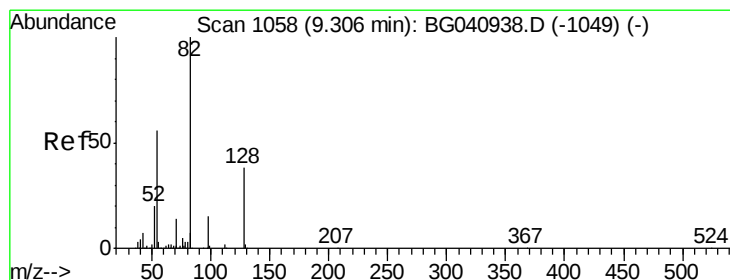
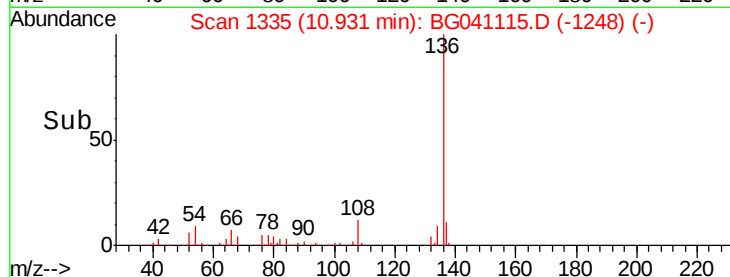
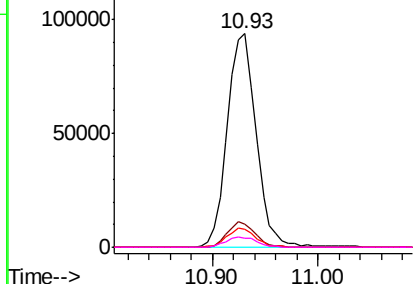
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041115.D
Acq: 8 Jun 2019 2:13

Instrument :
BNA_G
ClientSampleId :
PB120393BL

Tgt Ion:	136	Resp:	178003
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.5	14.3
54	8.7	7.6	11.4
68	4.4	3.9	5.9

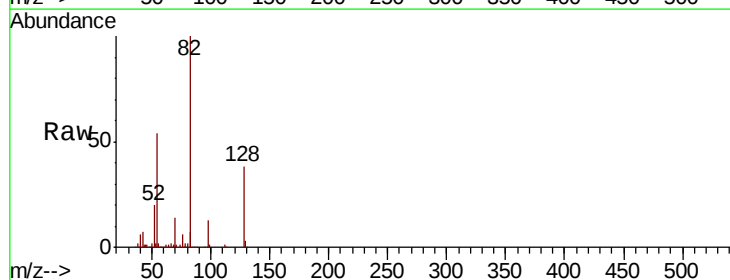


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

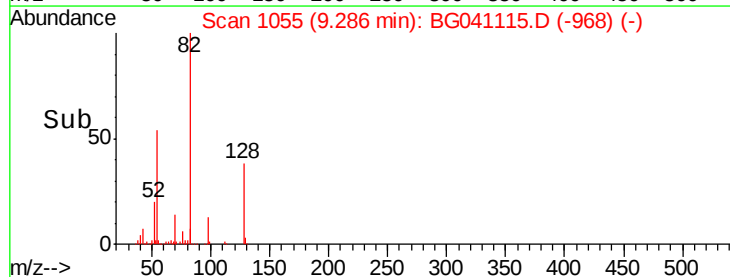
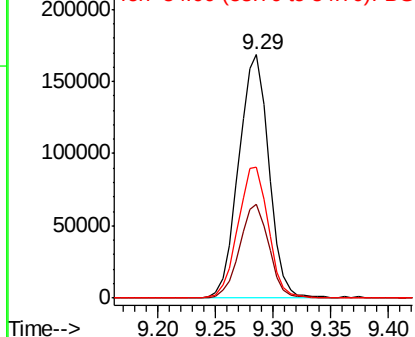


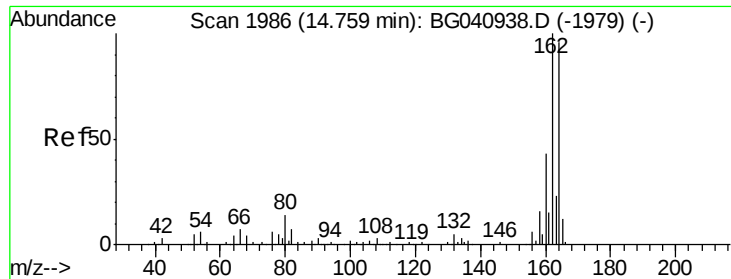
#23
Nitrobenzene-d5
Concen: 76.378 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041115.D
Acq: 8 Jun 2019 2:13

Tgt Ion:	82	Resp:	306248
Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.5	45.7
54	53.7	44.6	66.8



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: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120393BL

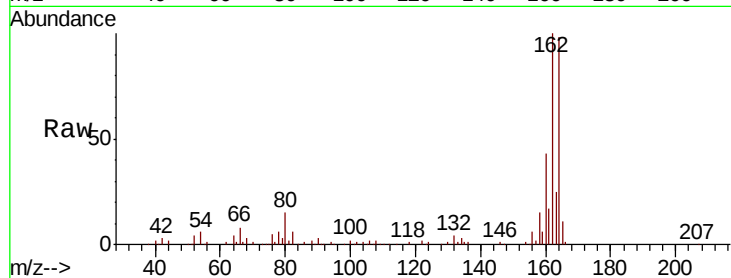
Tgt Ion:164 Resp: 140069

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.4

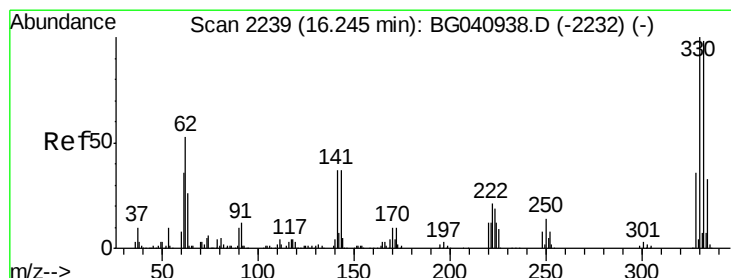
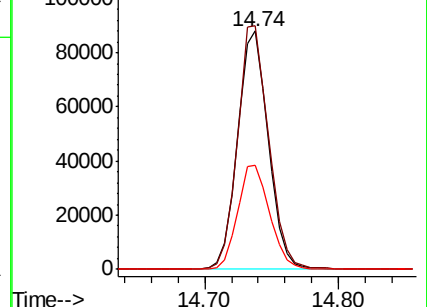
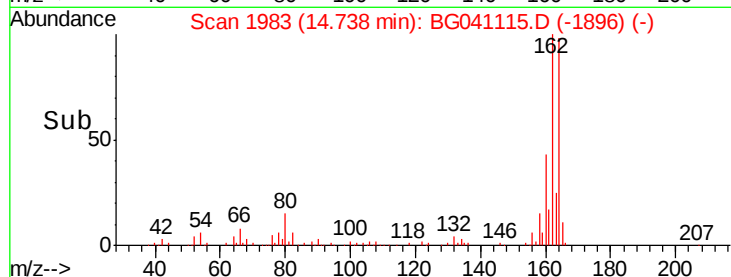
160 43.7 35.6 53.4



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: 76.243 ng

RT: 16.22 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

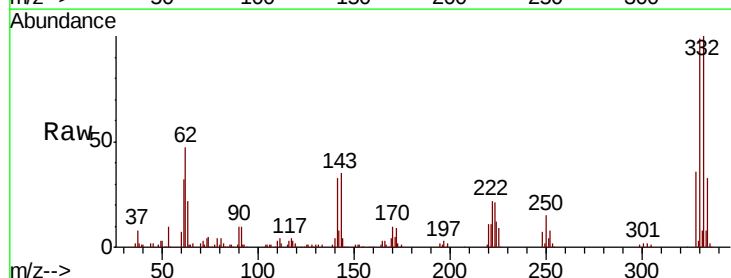
Tgt Ion:330 Resp: 158542

Ion Ratio Lower Upper

330 100

332 95.8 78.5 117.7

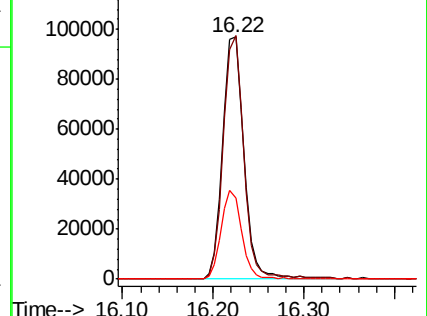
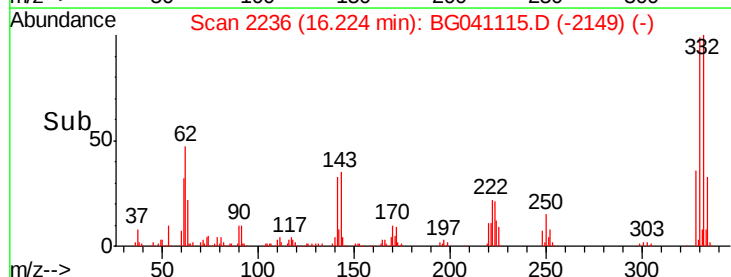
141 34.9 28.7 43.1

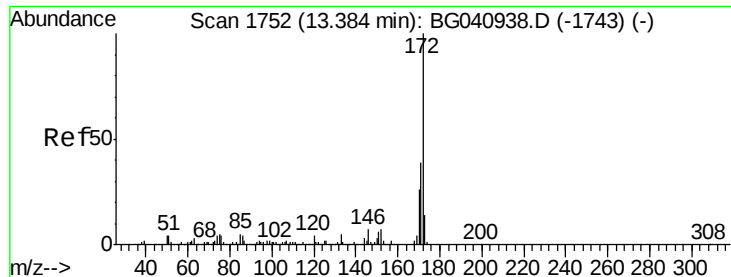


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

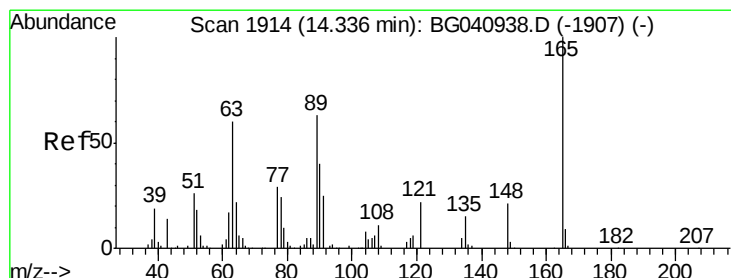
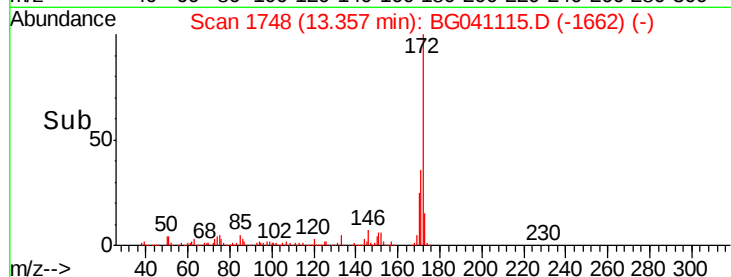
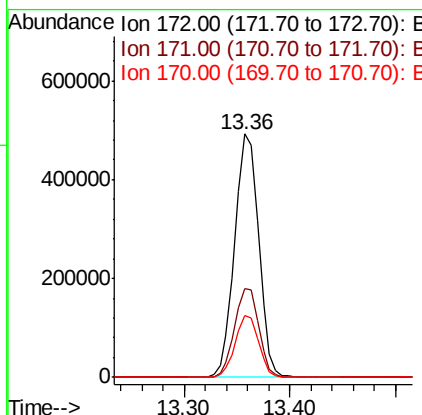
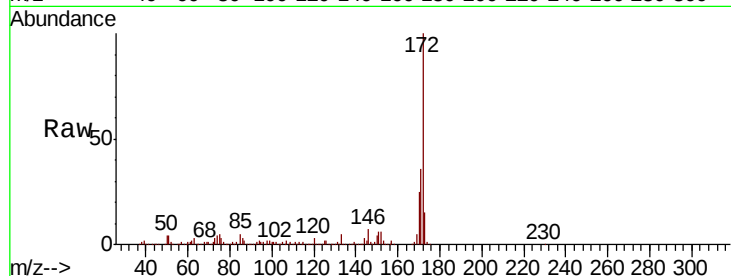




#45
2-Fluorobiphenyl
Concen: 79.459 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041115.D
Acq: 8 Jun 2019 2:13

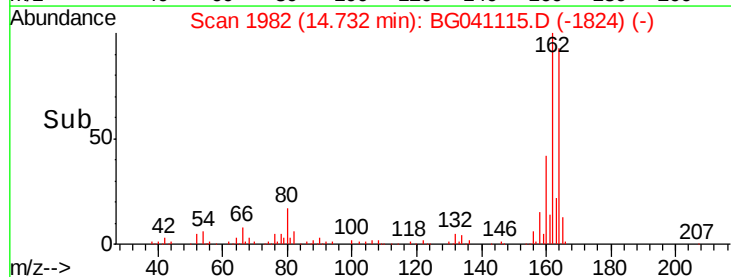
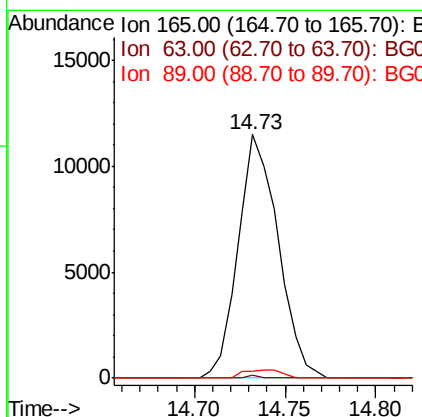
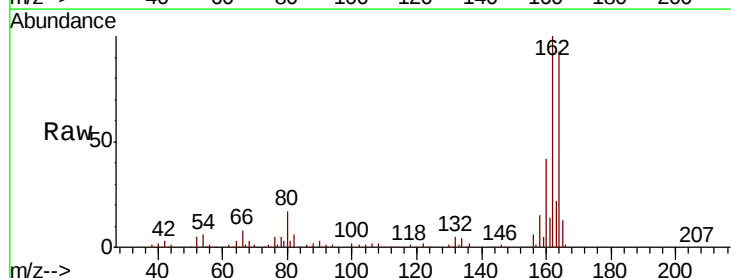
Instrument :
BNA_G
ClientSampleId :
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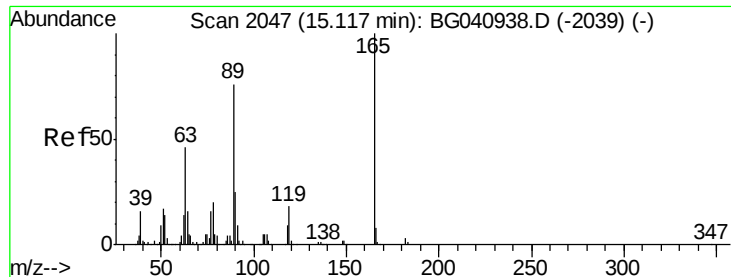
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	31.1	46.7
170	25.4	20.5	30.7



#51
2,6-Dinitrotoluene
Concen: 6.896 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.40 min
Lab File: BG041115.D
Acq: 8 Jun 2019 2:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	53.6	80.4#
89	2.7	50.4	75.6#





#57

2,4-Dinitrotoluene

Concen: 4.882 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.39 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120393BL

Tgt Ion:165 Resp: 17629

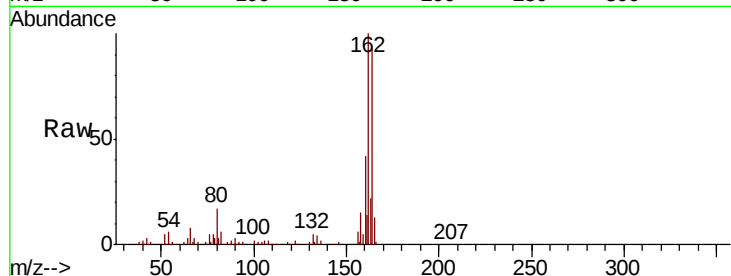
Ion Ratio Lower Upper

165 100

63 1.4 37.3 55.9#

89 2.7 61.0 91.6#

182 0.0 2.2 3.2#

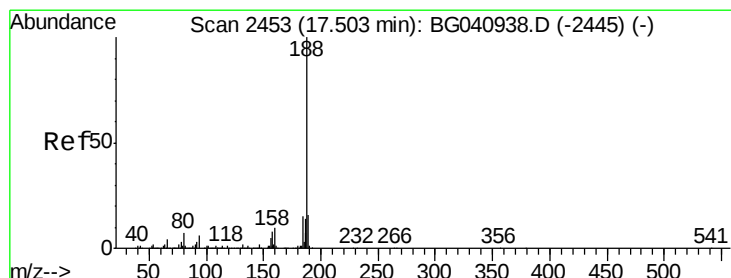
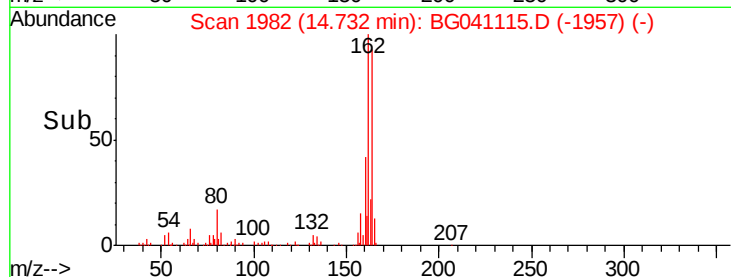
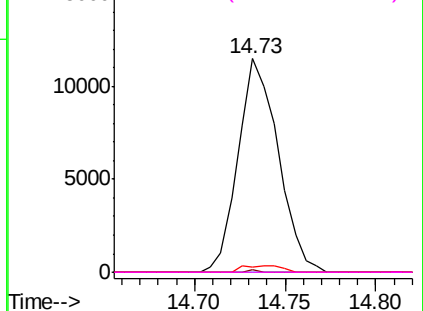


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

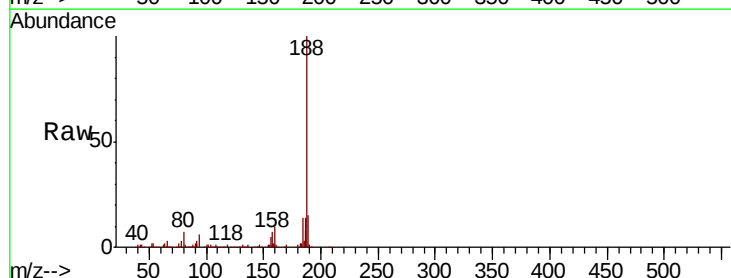
Tgt Ion:188 Resp: 358635

Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

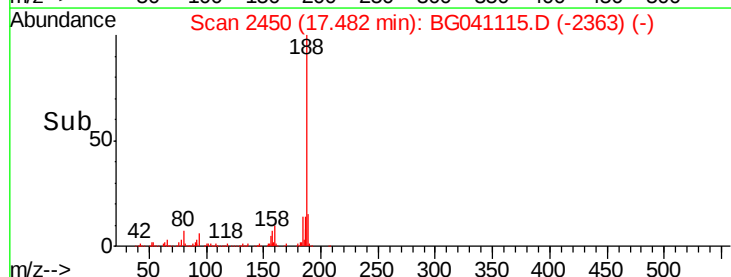
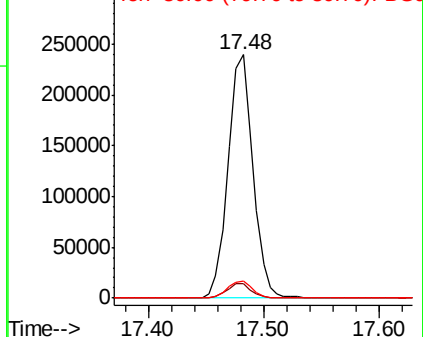
80 7.0 5.8 8.8

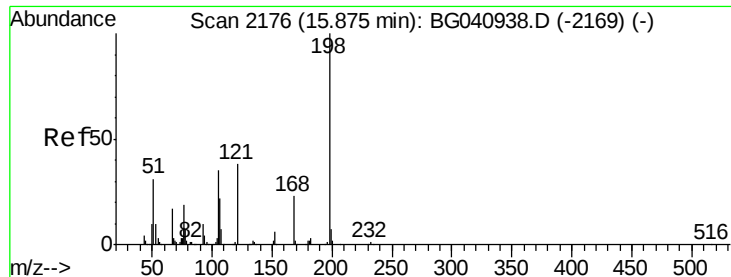


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

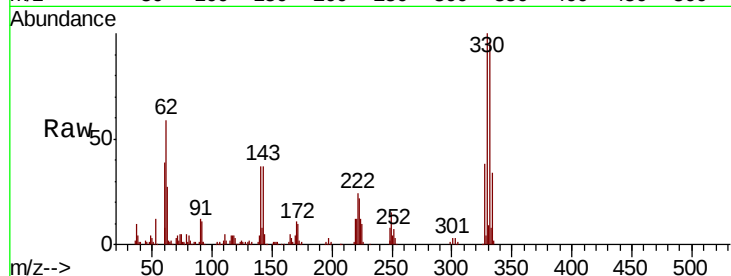




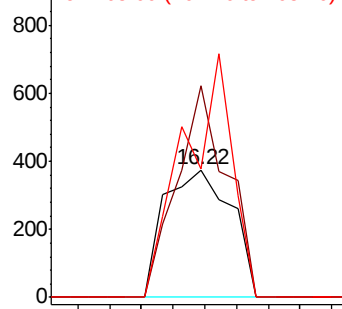
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.823 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. 0.34 min
 Lab File: BG041115.D
 Acq: 8 Jun 2019 2:13

Instrument :
 BNA_G
 ClientSampleID :
 PB120393BL

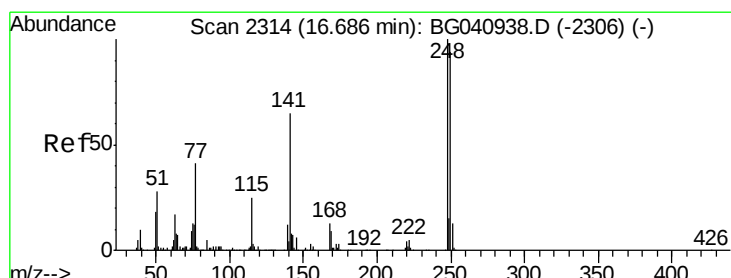
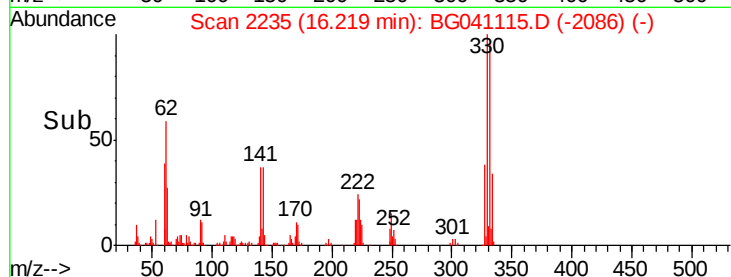
Tgt Ion:198 Resp: 547
 Ion Ratio Lower Upper
 198 100
 51 165.6 21.6 61.6#
 105 100.5 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

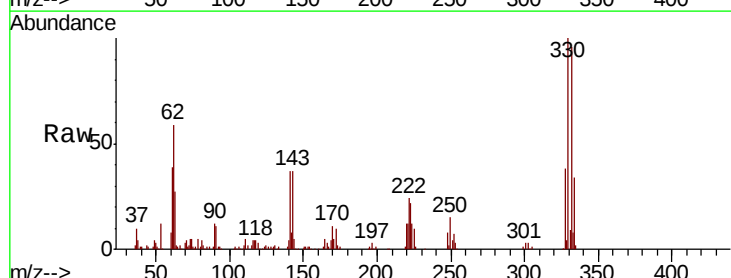


Time-->

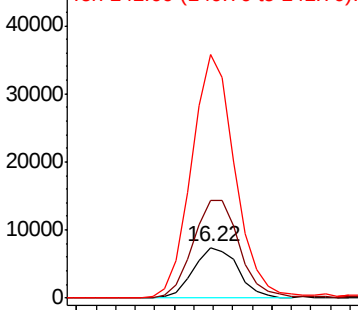


#67
 4-Bromophenyl-phenylether
 Concen: 2.421 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.47 min
 Lab File: BG041115.D
 Acq: 8 Jun 2019 2:13

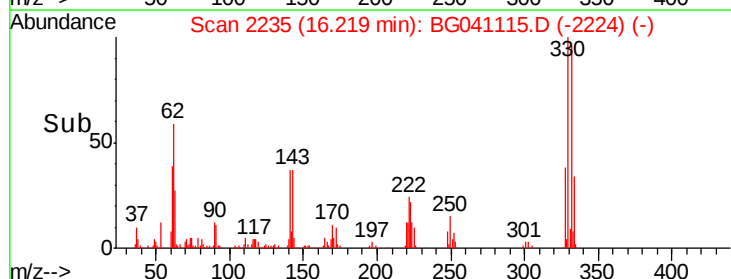
Tgt Ion:248 Resp: 11716
 Ion Ratio Lower Upper
 248 100
 250 190.9 75.0 112.4#
 141 478.9 52.4 78.6#

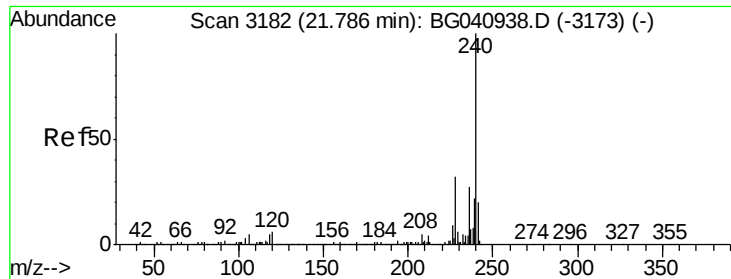


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

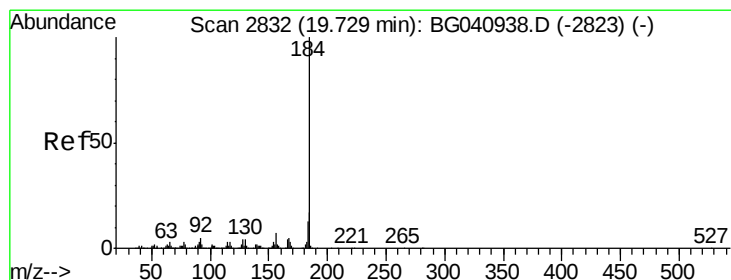
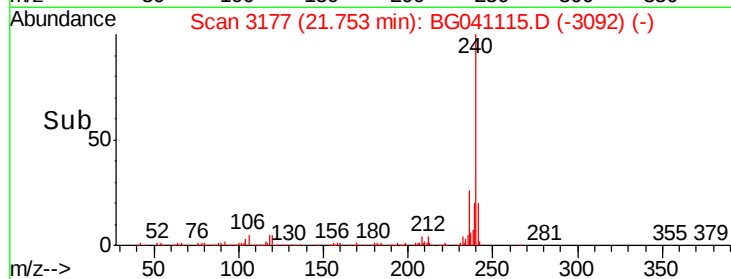
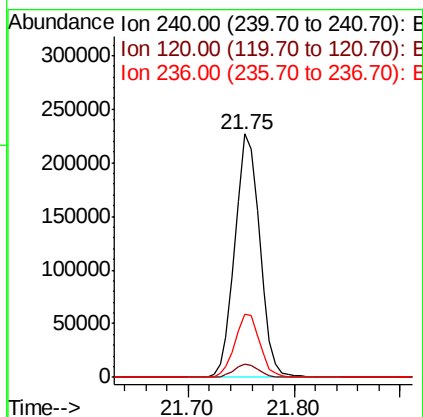
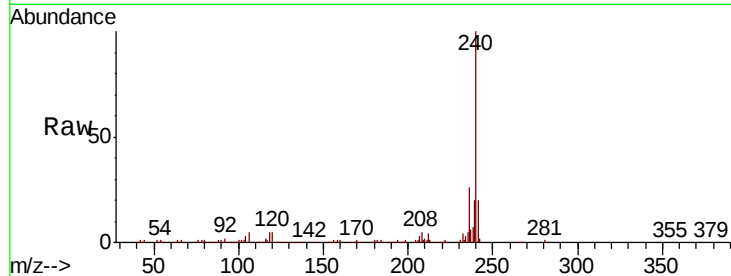




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. -0.03 min
Lab File: BG041115.D
Acq: 8 Jun 2019 2:13

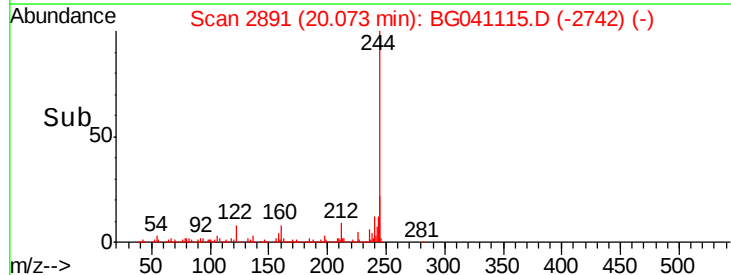
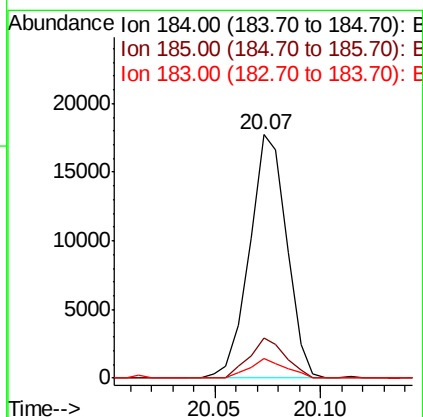
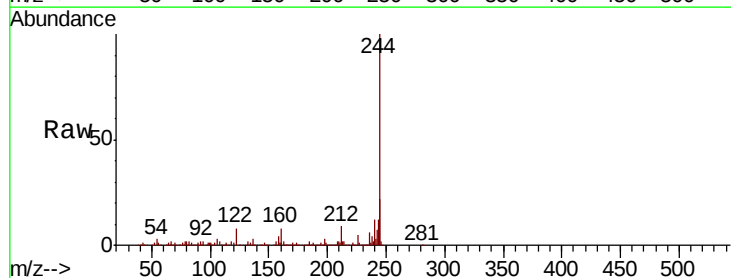
Instrument :
BNA_G
ClientSampleId :
PB120393BL

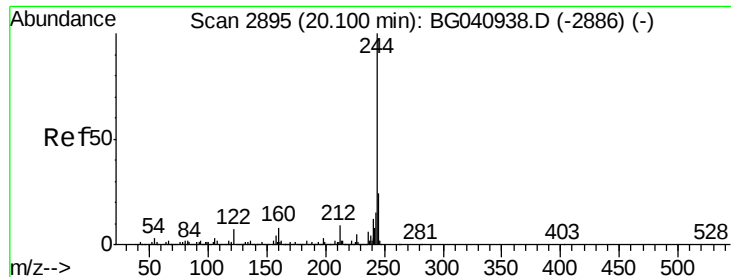
Tgt Ion:240 Resp: 368406
Ion Ratio Lower Upper
240 100
120 5.5 4.5 6.7
236 25.9 21.3 31.9



#77
Benzidine
Concen: 2.470 ng
RT: 20.07 min Scan# 2891
Delta R.T. 0.34 min
Lab File: BG041115.D
Acq: 8 Jun 2019 2:13

Tgt Ion:184 Resp: 21711
Ion Ratio Lower Upper
184 100
185 16.7 13.3 19.9
183 7.9 10.7 16.1#





#79

Terphenyl-d14

Concen: 76.369 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

Instrument :

BNA_G

ClientSampleId :

PB120393BL

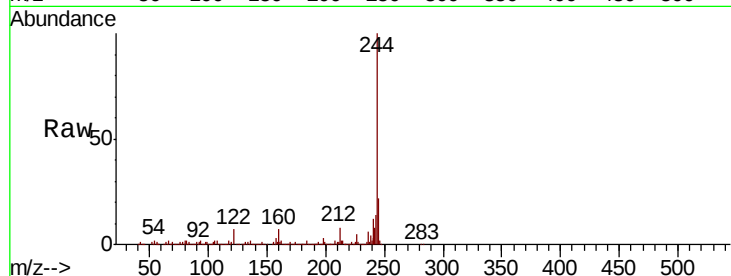
Tgt Ion:244 Resp: 1325641

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

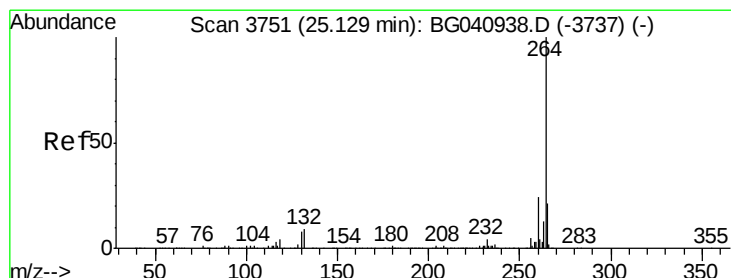
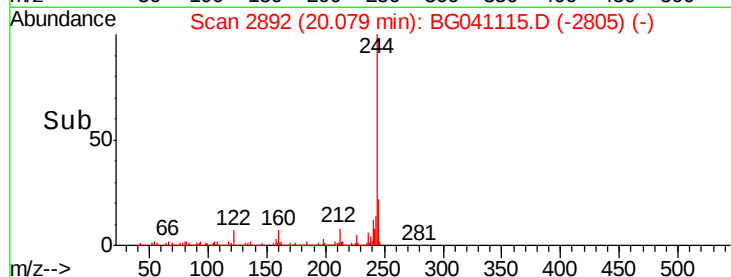
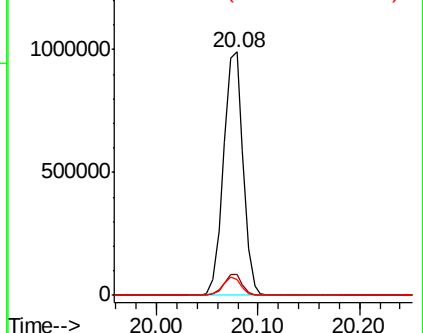
122 6.6 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041115.D

Acq: 8 Jun 2019 2:13

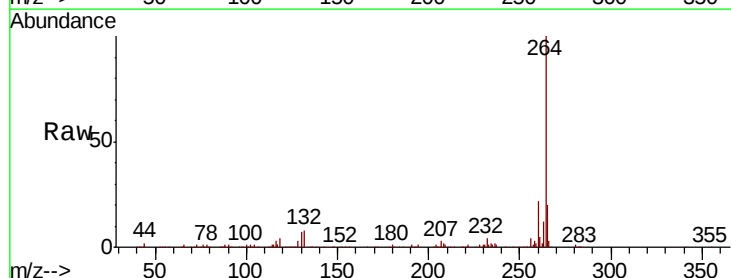
Tgt Ion:264 Resp: 385506

Ion Ratio Lower Upper

264 100

260 22.2 19.0 28.4

265 20.1 17.0 25.4



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

