

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041117.D
 Acq On : 8 Jun 2019 3:29
 Operator : HP/JU
 Sample : PB120423BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120423BL

Quant Time: Jun 08 07:04:36 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

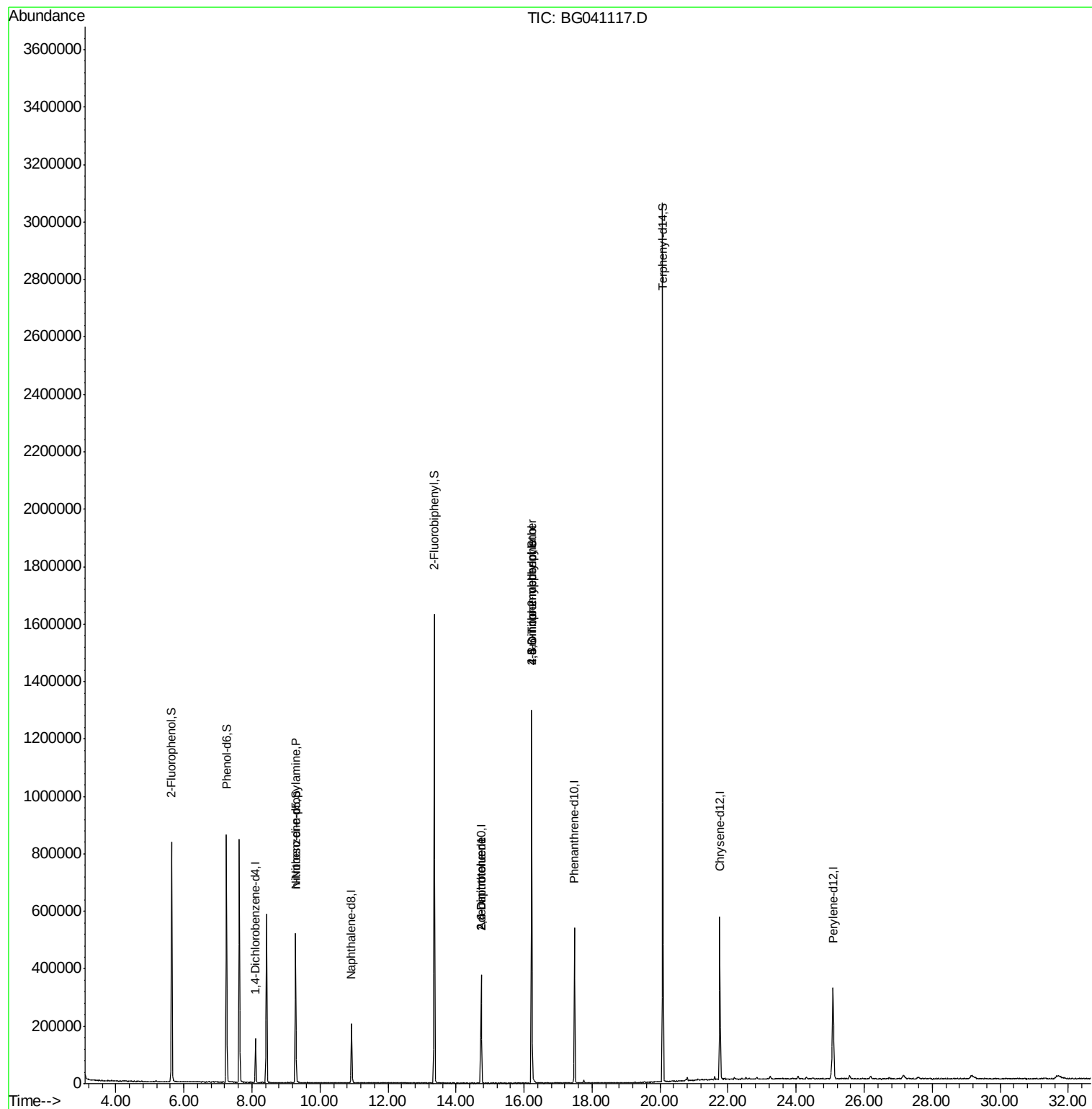
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	41169	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	170921	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	136489	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	350075	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	352458	20.00	ng	-0.03
87) Perylene-d12	25.08	264	362504	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	316174	138.48	ng	-0.02
7) Phenol-d6	7.25	99	468691	132.92	ng	-0.01
23) Nitrobenzene-d5	9.28	82	312276	81.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	254096	125.40	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	806093	85.05	ng	-0.02
79) Terphenyl-d14	20.07	244	1453704	87.54	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	43732	16.117	ng	# 74
51) 2,6-Dinitrotoluene	14.73	165	17332	6.958	ng	# 21
57) 2,4-Dinitrotoluene	14.73	165	17332	4.925	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.22	198	820	8.948	ng	88
67) 4-Bromophenyl-phenylether	16.22	248	19695	4.169	ng	# 1

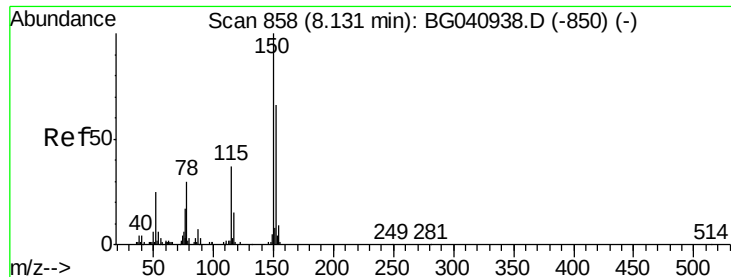
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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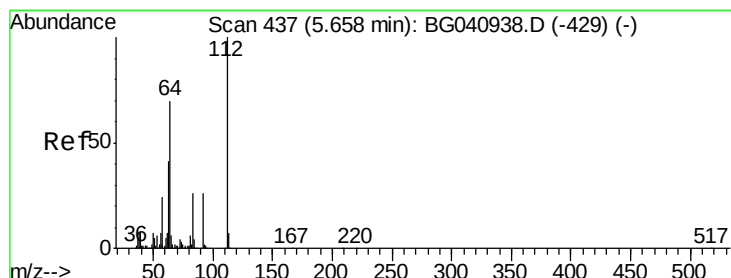
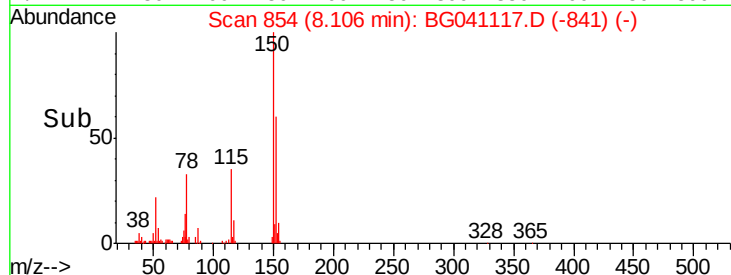
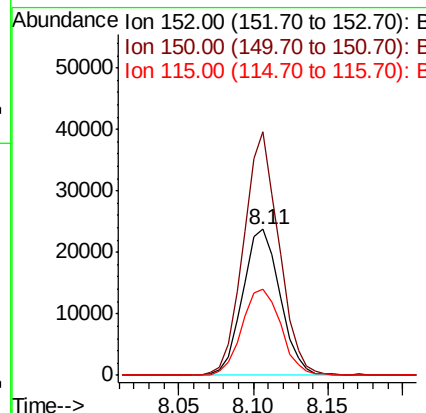
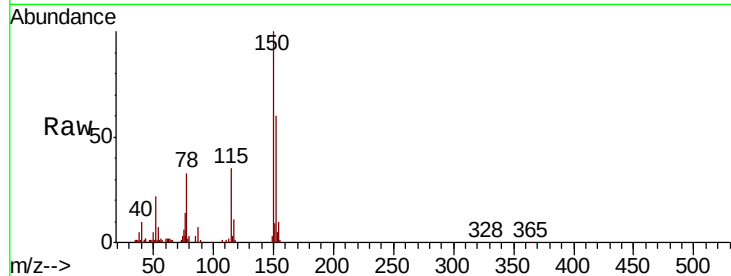


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG041117.D
Acq: 8 Jun 2019 3:29

Instrument :
BNA_G
ClientSampleId :
PB120423BL

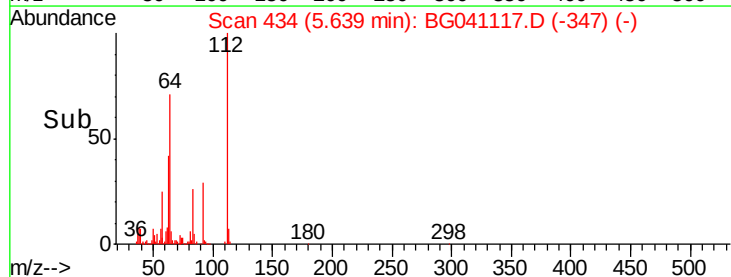
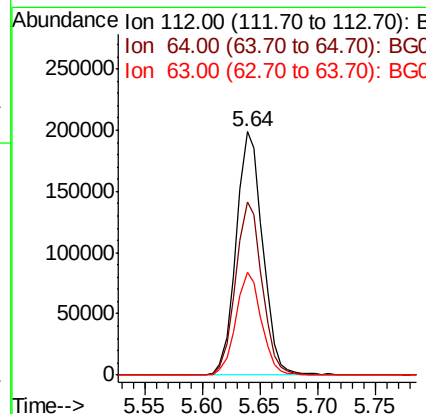
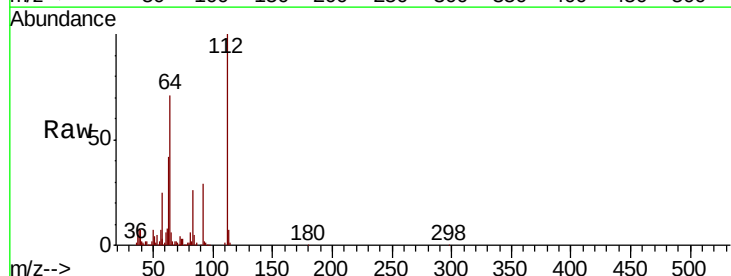
Tgt Ion	Ratio	Lower	Upper
152	100		
150	166.6	120.6	180.8
115	58.6	45.1	67.7

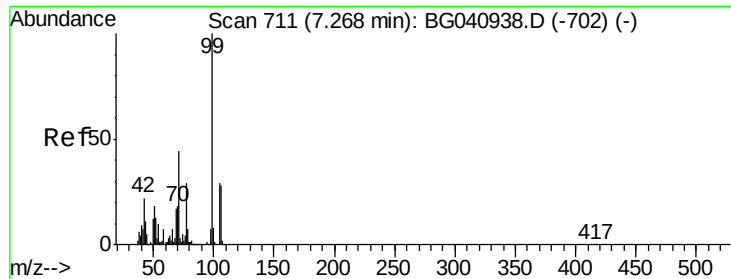


#5

2-Fluorophenol
Concen: 138.485 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG041117.D
Acq: 8 Jun 2019 3:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	56.2	84.2
63	42.2	32.8	49.2





#7

Phenol-d6

Concen: 132.924 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041117.D

Acq: 8 Jun 2019 3:29

Instrument :

BNA_G

ClientSampleId :

PB120423BL

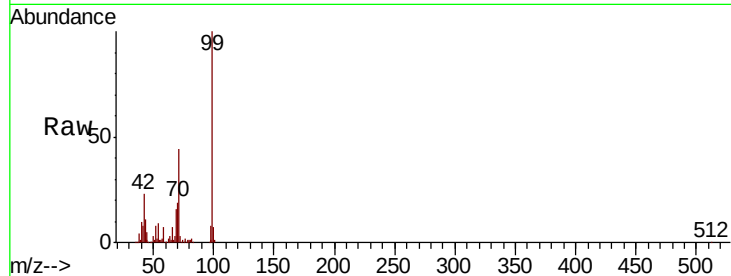
Tgt Ion: 99 Resp: 468691

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

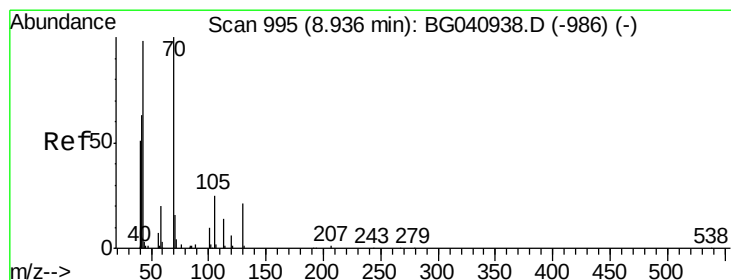
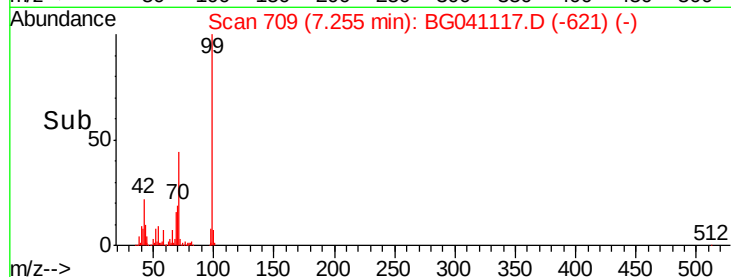
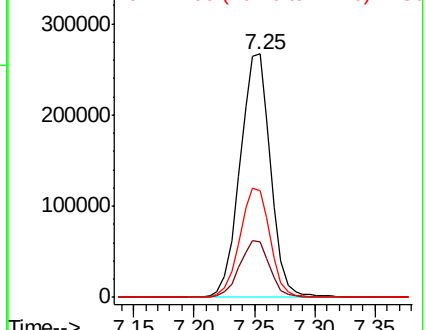
71 43.7 35.4 53.0



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: 16.117 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG041117.D

Acq: 8 Jun 2019 3:29

Tgt Ion: 70 Resp: 43732

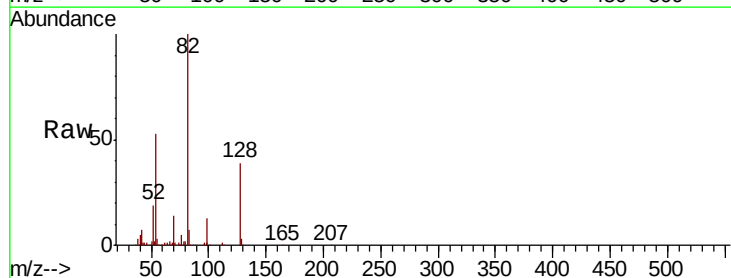
Ion Ratio Lower Upper

70 100

42 47.4 51.5 77.3#

101 0.0 8.1 12.1#

130 1.8 16.6 24.8#

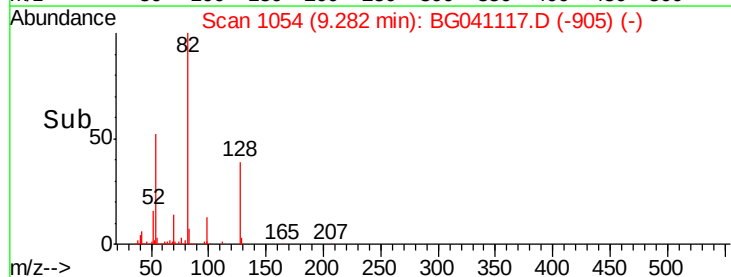
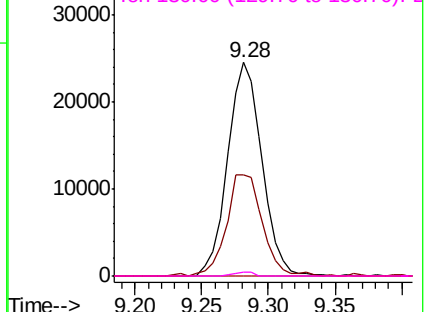


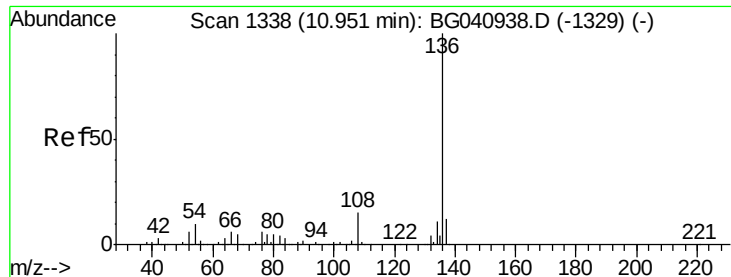
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

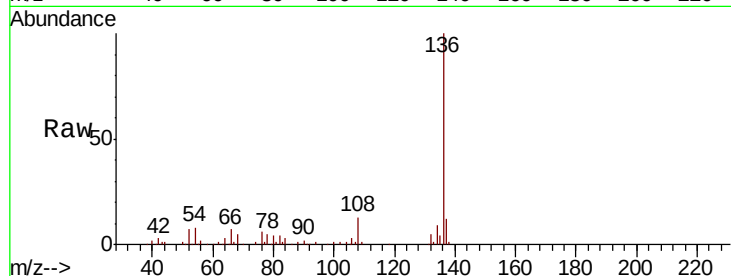




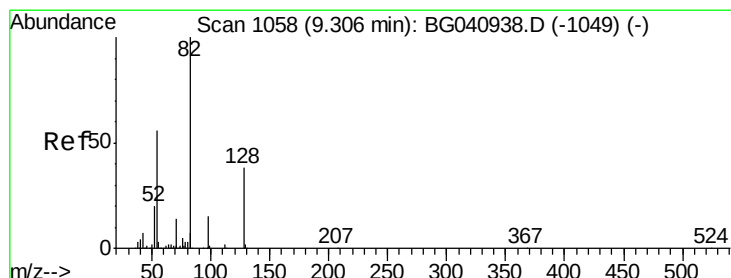
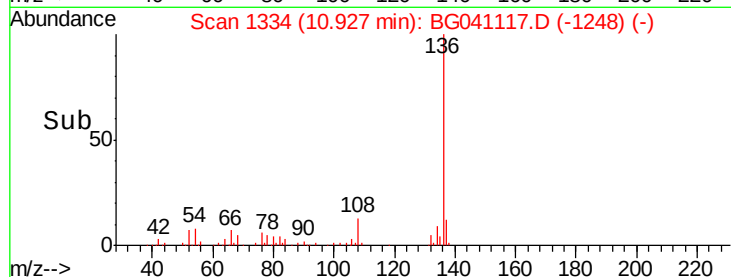
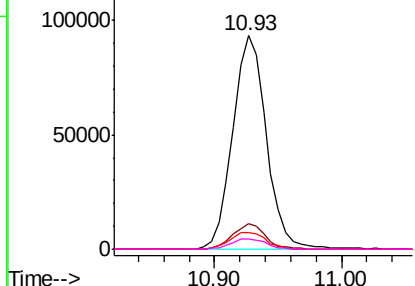
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BG041117.D
Acq: 8 Jun 2019 3:29

Instrument :
BNA_G
ClientSampleId :
PB120423BL

Tgt Ion:	136	Resp:	170921
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	7.7	7.6	11.4
68	5.0	3.9	5.9

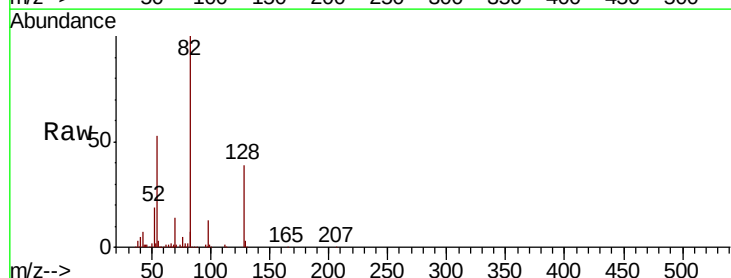


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

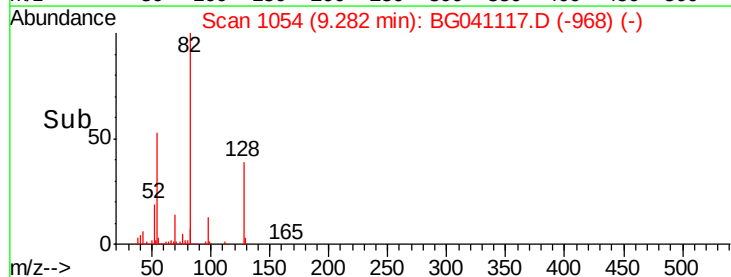
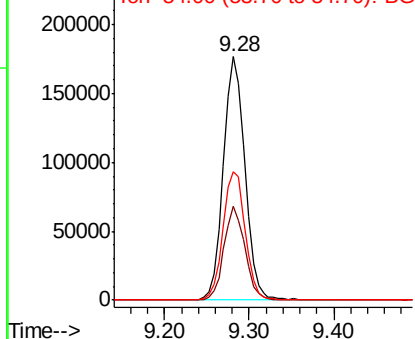


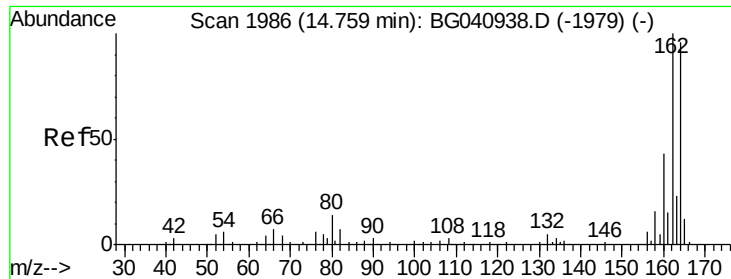
#23
Nitrobenzene-d5
Concen: 81.108 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BG041117.D
Acq: 8 Jun 2019 3:29

Tgt Ion:	82	Resp:	312276
Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.5	45.7
54	53.0	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: 14.73 min Scan# 1982

Delta R.T. -0.02 min

Lab File: BG041117.D

Acq: 8 Jun 2019 3:29

Instrument :

BNA_G

ClientSampleId :

PB120423BL

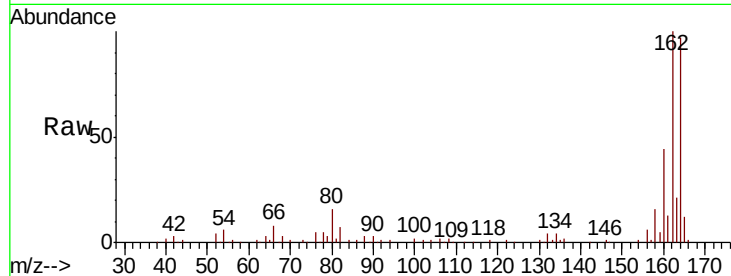
Tgt Ion:164 Resp: 136489

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.4

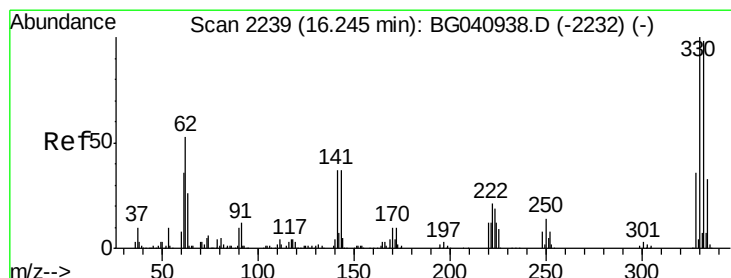
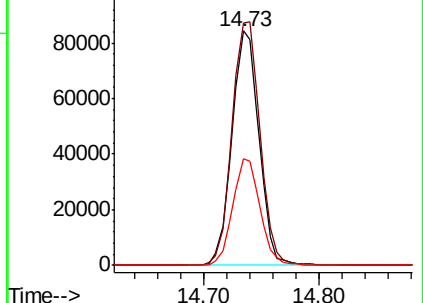
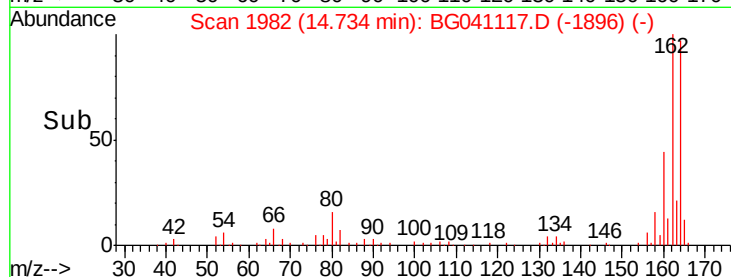
160 45.6 35.6 53.4



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: 125.401 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041117.D

Acq: 8 Jun 2019 3:29

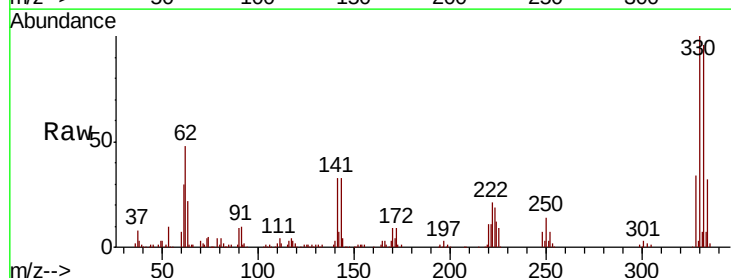
Tgt Ion:330 Resp: 254096

Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

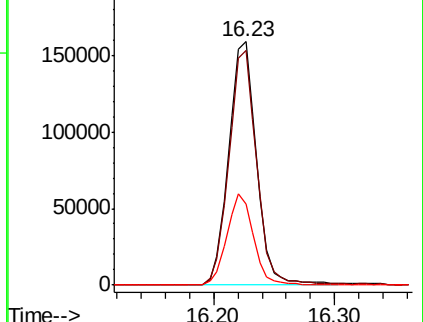
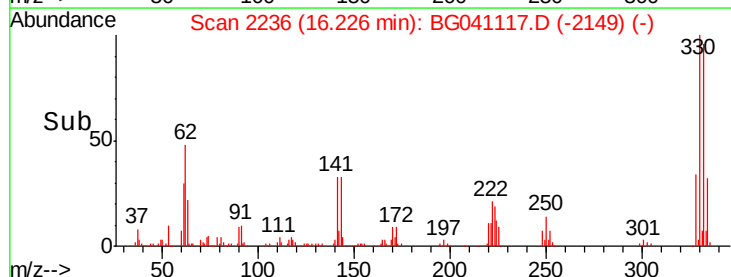
141 35.9 28.7 43.1

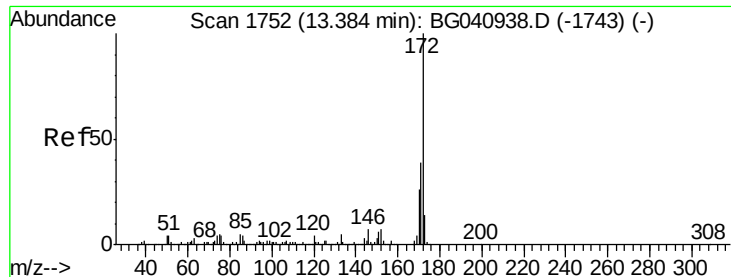


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

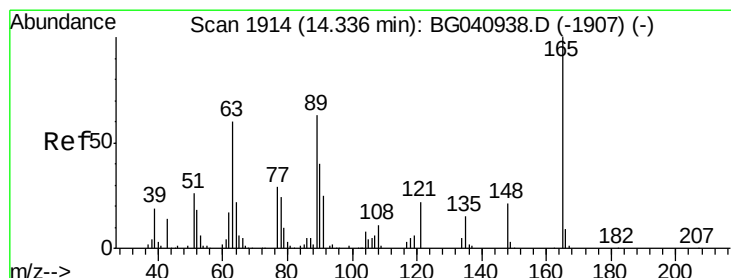
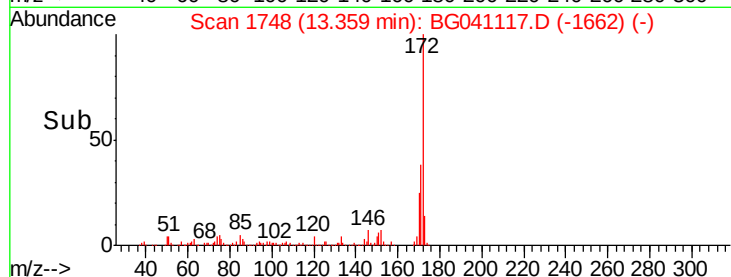
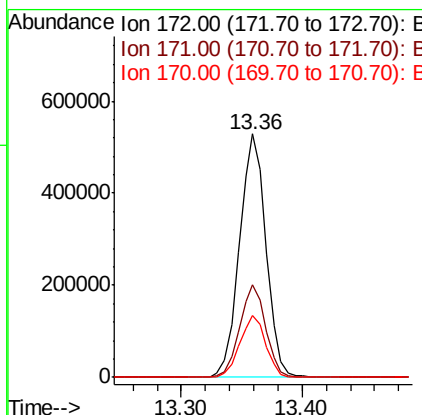
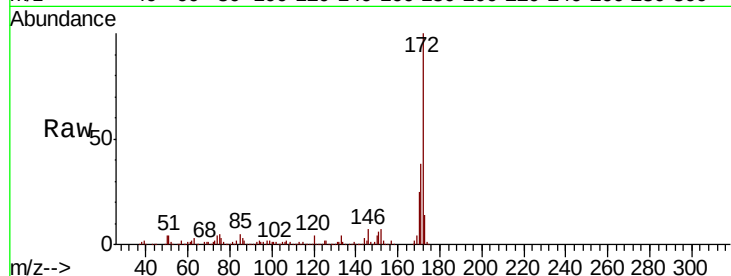




#45
2-Fluorobiphenyl
Concen: 85.052 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.02 min
Lab File: BG041117.D
Acq: 8 Jun 2019 3:29

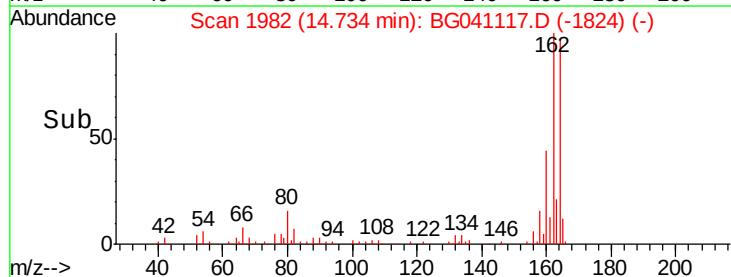
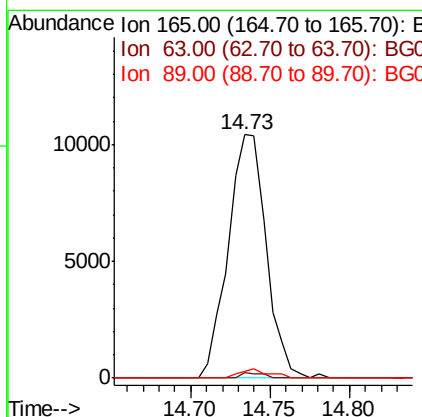
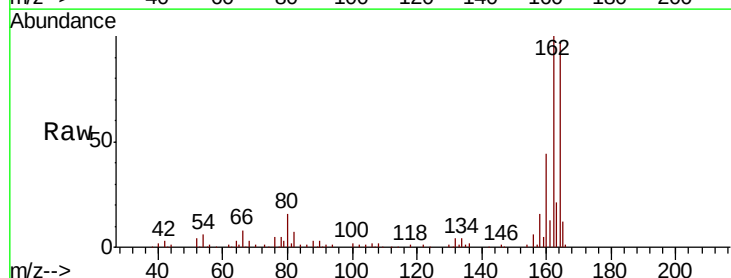
Instrument :
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PB120423BL

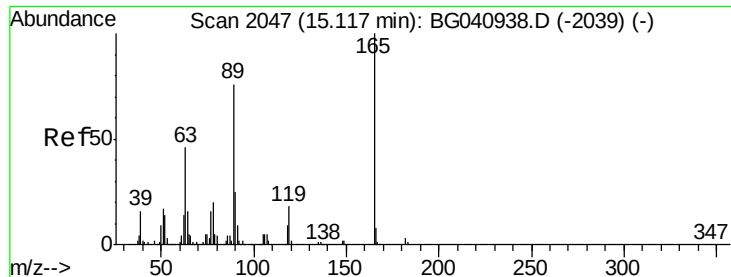
Tgt Ion:172 Resp: 806093
Ion Ratio Lower Upper
172 100
171 38.0 31.1 46.7
170 25.4 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 6.958 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.40 min
Lab File: BG041117.D
Acq: 8 Jun 2019 3:29

Tgt Ion:165 Resp: 17332
Ion Ratio Lower Upper
165 100
63 2.1 53.6 80.4#
89 2.9 50.4 75.6#

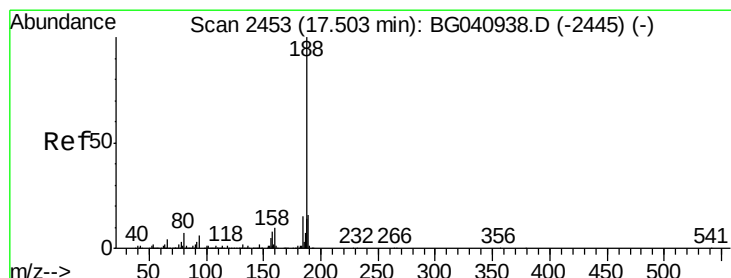
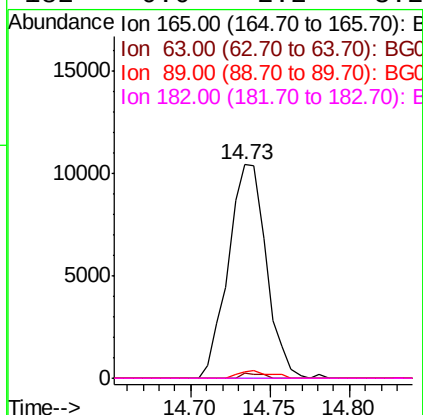
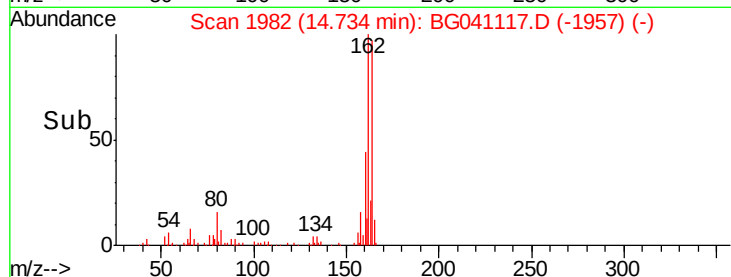
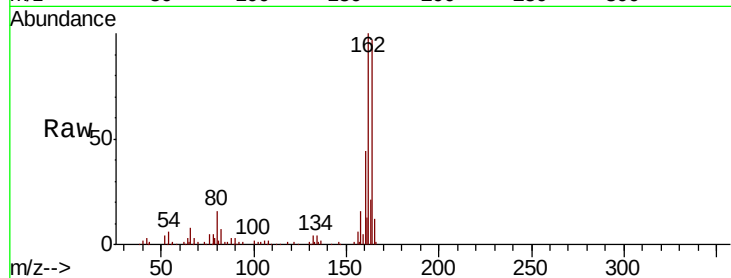




#57
 2,4-Dinitrotoluene
 Concen: 4.925 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.38 min
 Lab File: BG041117.D
 Acq: 8 Jun 2019 3:29

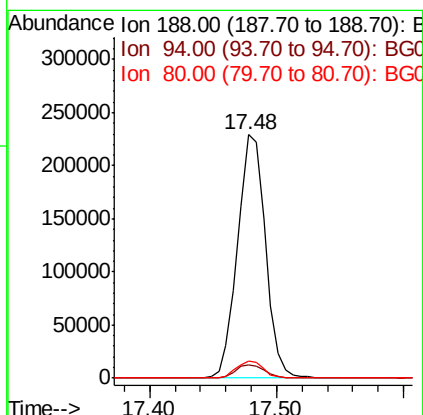
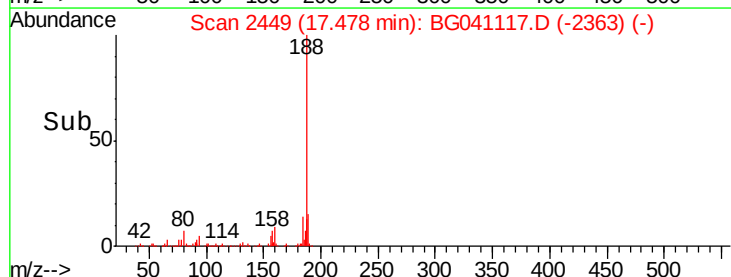
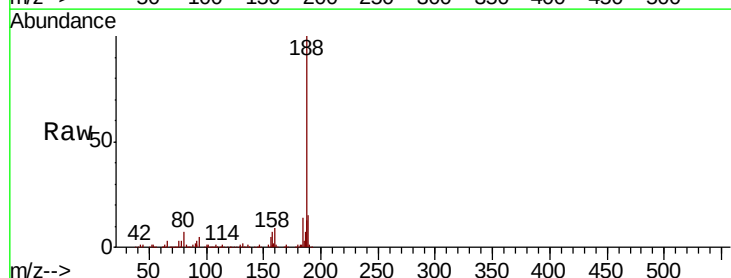
Instrument :
 BNA_G
 ClientSampleId :
 PB120423BL

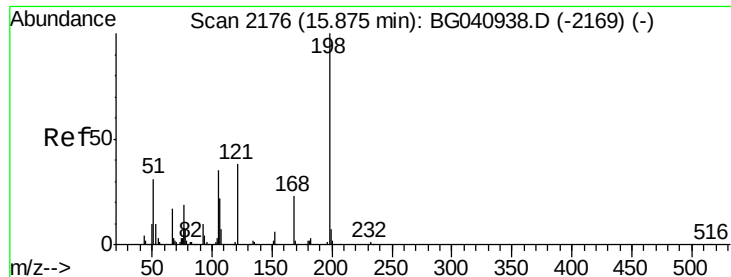
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	37.3	55.9#
89	2.9	61.0	91.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.02 min
 Lab File: BG041117.D
 Acq: 8 Jun 2019 3:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.7	7.1
80	7.0	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.948 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.35 min

Lab File: BG041117.D

Acq: 8 Jun 2019 3:29

Instrument :

BNA_G

ClientSampleId :

PB120423BL

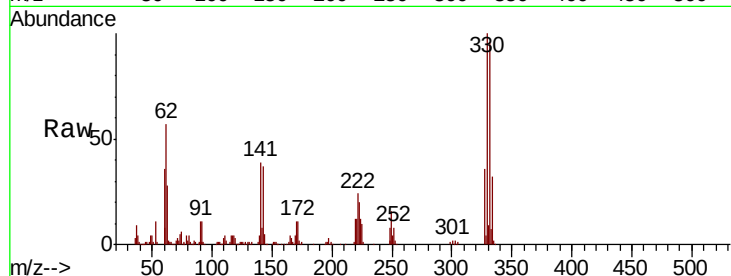
Tgt Ion:198 Resp: 820

Ion Ratio Lower Upper

198 100

51 31.8 21.6 61.6

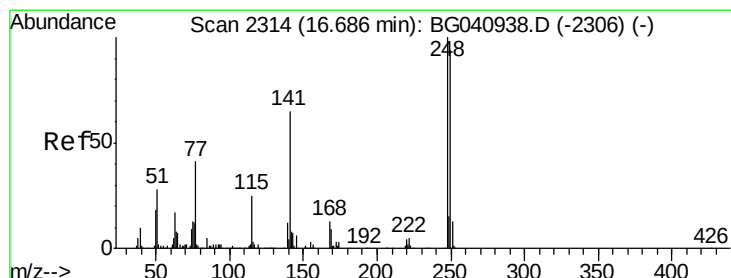
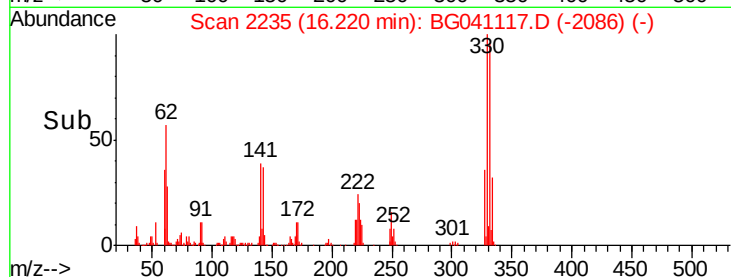
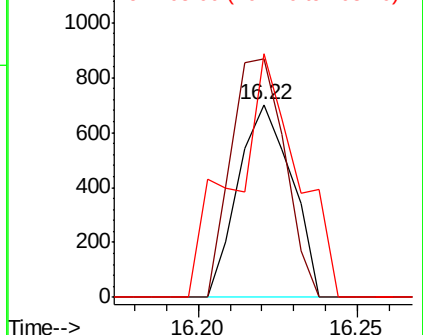
105 32.5 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.169 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.47 min

Lab File: BG041117.D

Acq: 8 Jun 2019 3:29

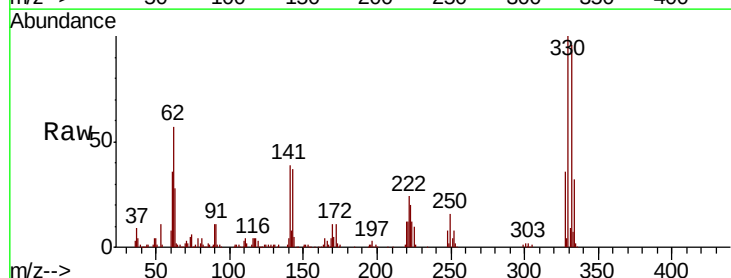
Tgt Ion:248 Resp: 19695

Ion Ratio Lower Upper

248 100

250 187.3 75.0 112.4#

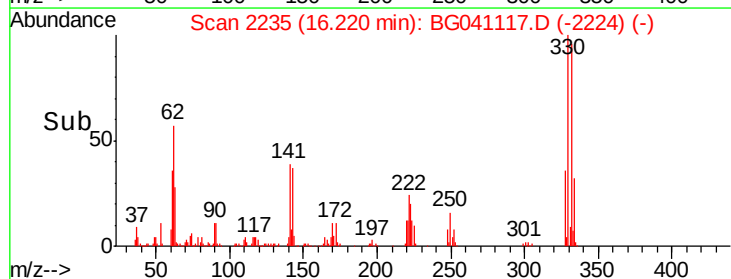
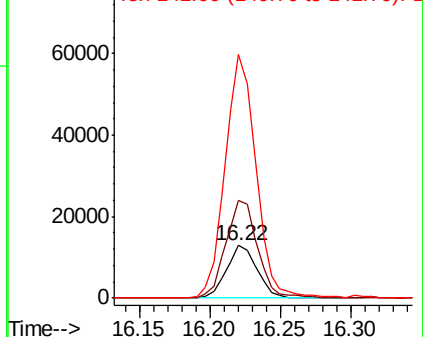
141 464.7 52.4 78.6#

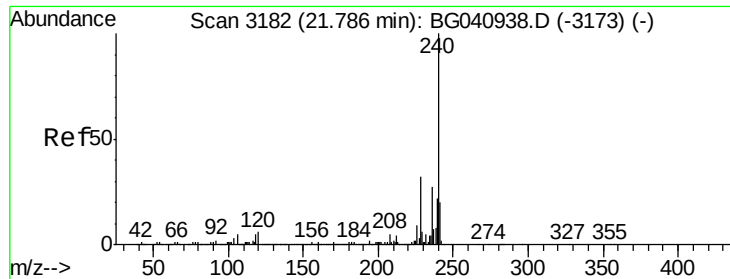


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

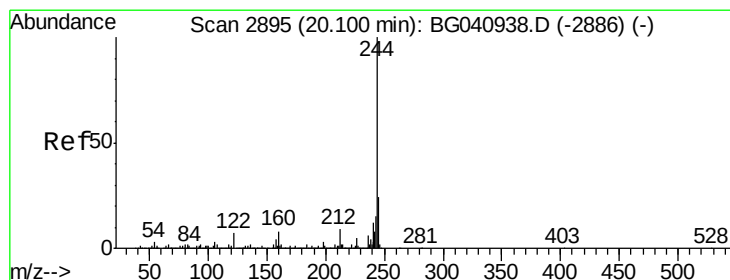
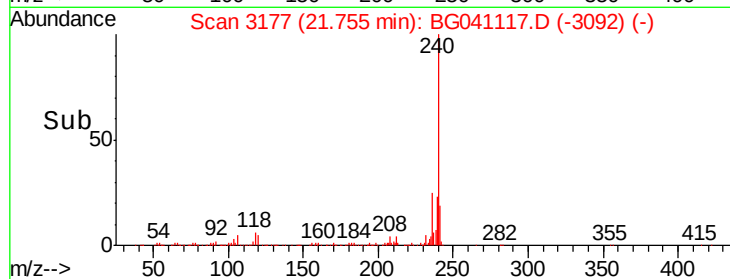
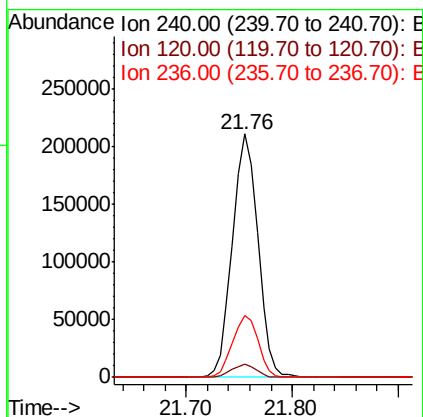
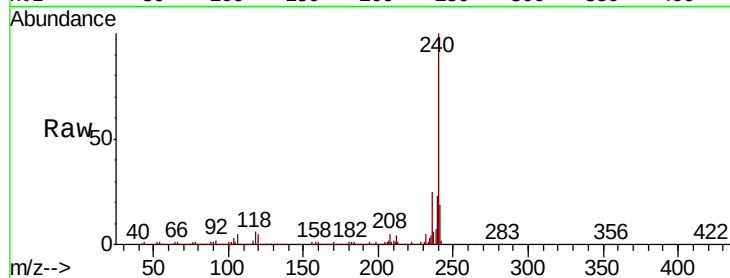




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3177
 Delta R.T. -0.03 min
 Lab File: BG041117.D
 Acq: 8 Jun 2019 3:29

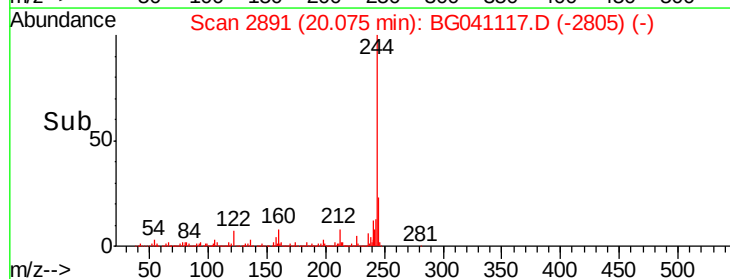
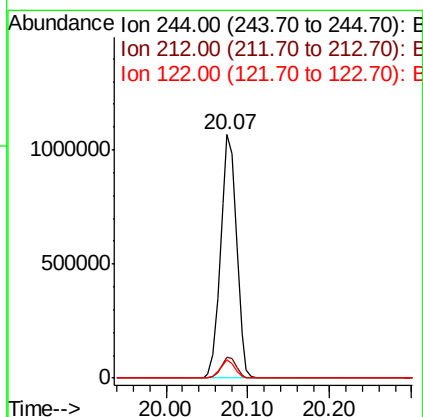
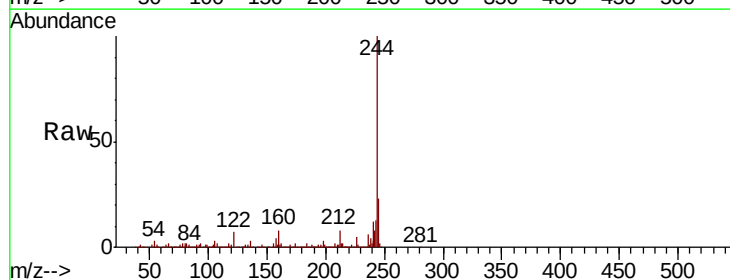
Instrument :
 BNA_G
 ClientSampleId :
 PB120423BL

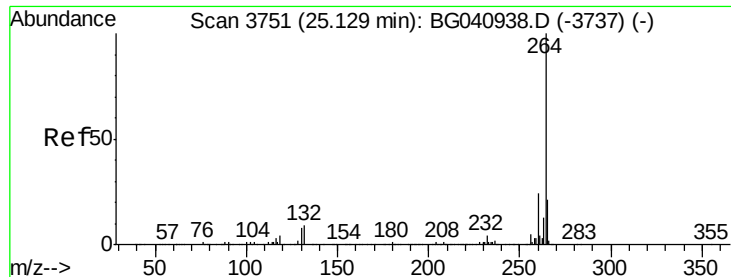
Tgt Ion:240 Resp: 352458
 Ion Ratio Lower Upper
 240 100
 120 5.5 4.5 6.7
 236 25.4 21.3 31.9



#79
 Terphenyl-d14
 Concen: 87.536 ng
 RT: 20.07 min Scan# 2891
 Delta R.T. -0.02 min
 Lab File: BG041117.D
 Acq: 8 Jun 2019 3:29

Tgt Ion:244 Resp: 1453704
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.0 10.4
 122 7.3 5.4 8.0

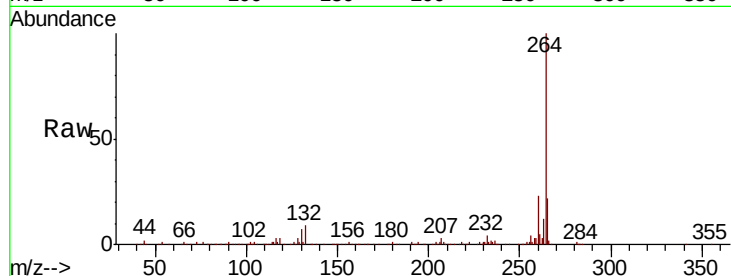




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3743
 Delta R.T. -0.05 min
 Lab File: BG041117.D
 Acq: 8 Jun 2019 3:29

Instrument :
 BNA_G
 ClientSampleId :
 PB120423BL

Tgt Ion:	264	Resp:	362504
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	21.5	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

