

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042311.D
 Acq On : 18 Aug 2019 6:51
 Operator : HP/JU
 Sample : K4266-24
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2-C1-C4-(4.3)

Quant Time: Aug 19 06:00:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

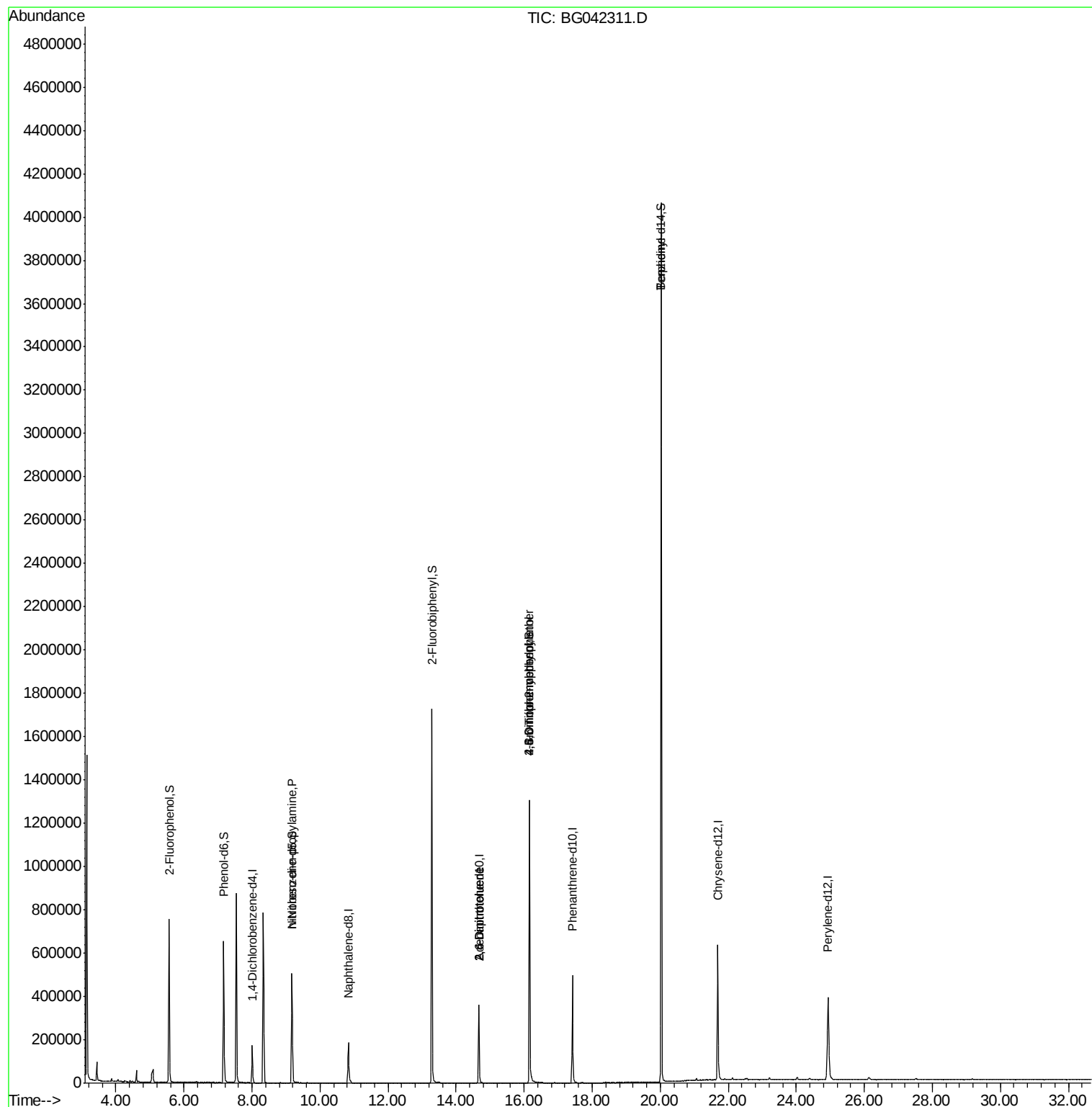
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	59262	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	215076	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	156365	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	384175	20.00	ng	-0.04
76) Chrysene-d12	21.69	240	435416	20.00	ng	-0.04
87) Perylene-d12	24.93	264	488059	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	386916	127.03	ng	-0.03
7) Phenol-d6	7.16	99	466372	113.57	ng	-0.03
23) Nitrobenzene-d5	9.17	82	338073	108.17	ng	-0.04
42) 2,4,6-Tribromophenol	16.15	330	334485	188.33	ng	-0.04
45) 2-Fluorobiphenyl	13.29	172	1034071	116.64	ng	-0.04
79) Terphenyl-d14	20.03	244	2016486	105.97	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	43131	14.467	ng	# 61
51) 2,6-Dinitrotoluene	14.67	165	20114	9.008	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	20113	6.550	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.15	198	773	7.205	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	23456	4.957	ng	# 1
77) Benzidine	20.03	184	29203	2.055	ng	# 93

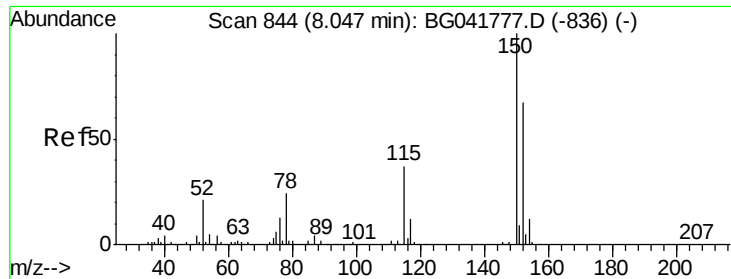
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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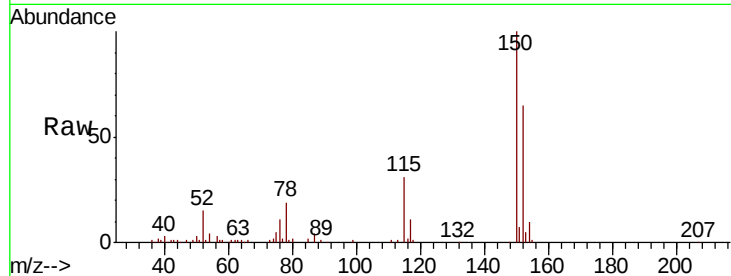


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

Instrument :
BNA_G
ClientSampleId :
R1-R2-C1-C4-(4.3)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.9	190.3
115	47.3	45.0	67.6

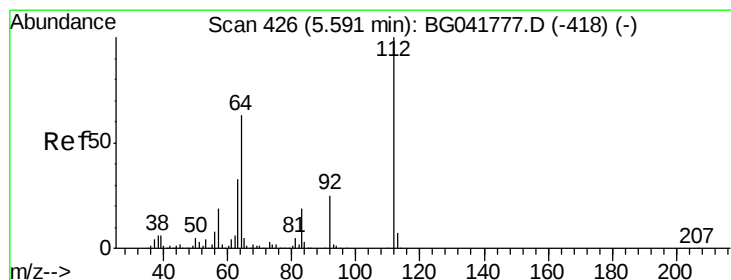
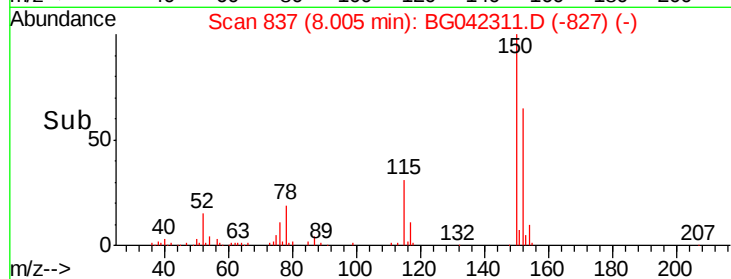
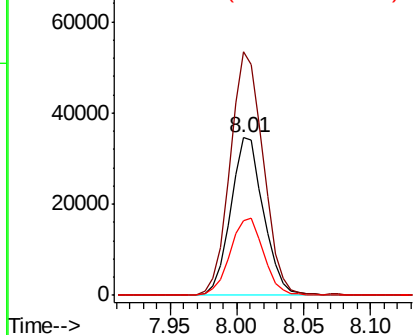


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

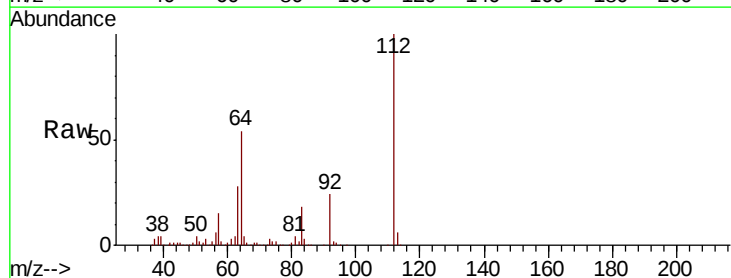
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.028 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.03 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	55.4	83.2#
63	28.4	29.1	43.7#

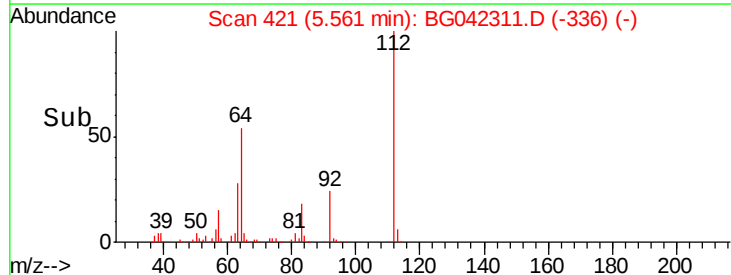
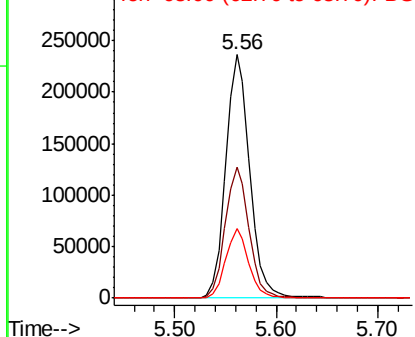


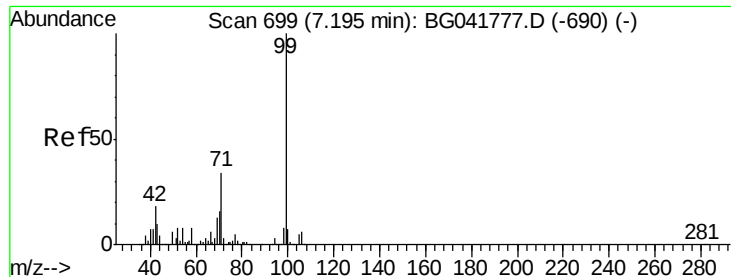
Abundance

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: 113.572 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042311.D

Acq: 18 Aug 2019 6:51

Instrument :

BNA_G

ClientSampleId :

R1-R2-C1-C4-(4.3)

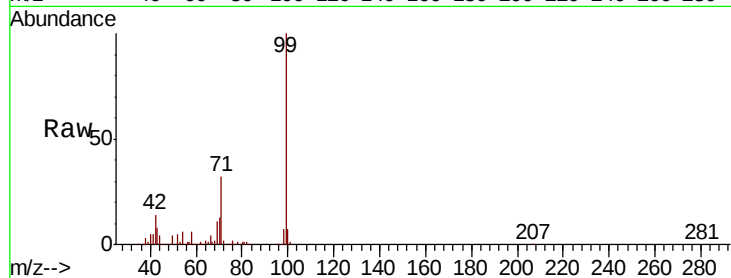
Tgt Ion: 99 Resp: 466372

Ion Ratio Lower Upper

99 100

42 13.8 17.6 26.4#

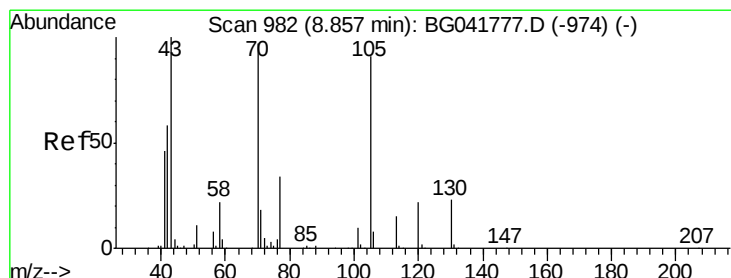
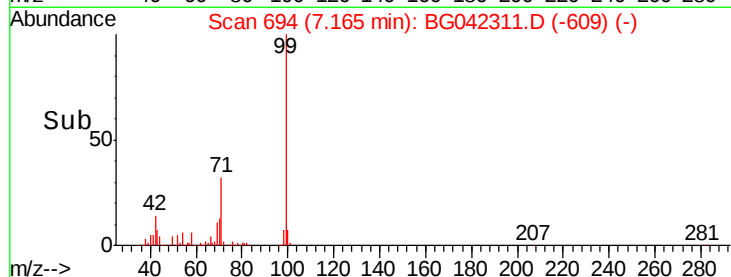
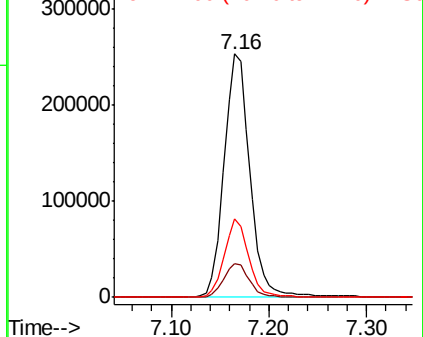
71 32.0 27.8 41.6



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: 14.467 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042311.D

Acq: 18 Aug 2019 6:51

Tgt Ion: 70 Resp: 43131

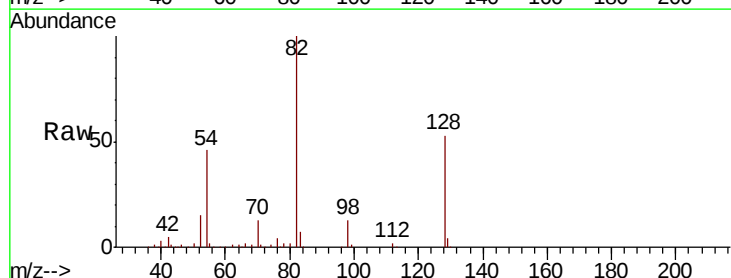
Ion Ratio Lower Upper

70 100

42 36.5 55.8 83.6#

101 0.0 8.1 12.1#

130 3.6 17.3 25.9#

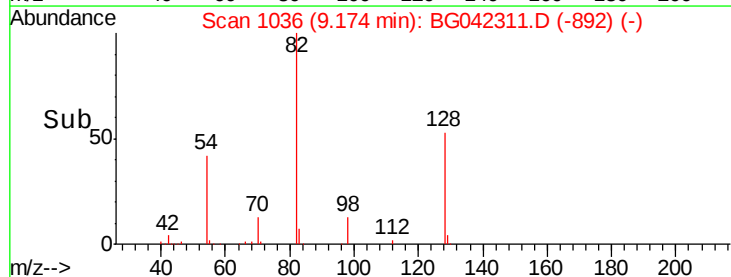
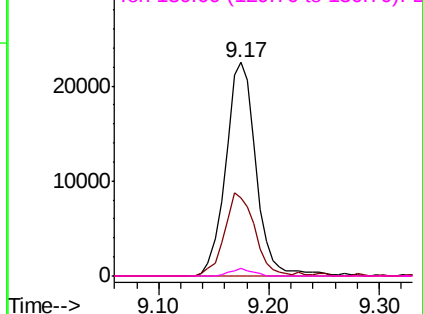


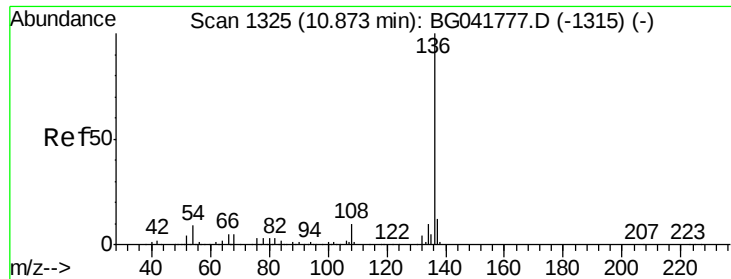
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

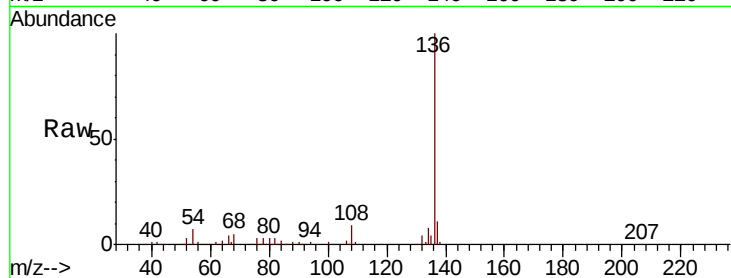




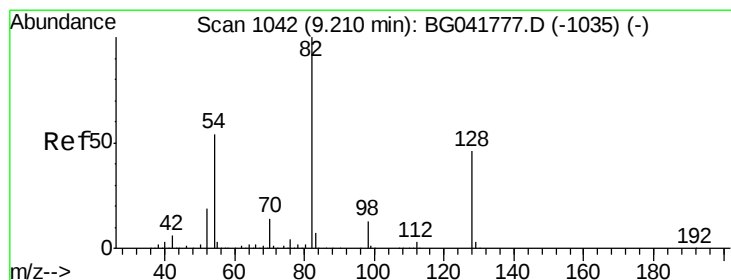
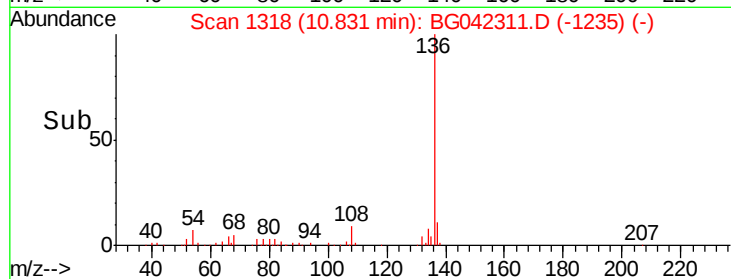
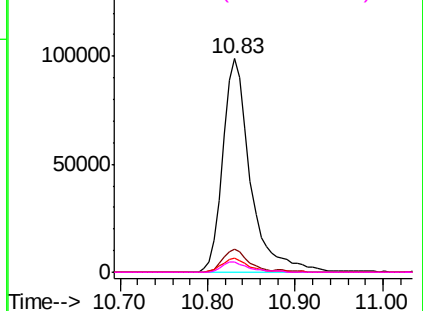
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

Instrument :
BNA_G
ClientSampleId :
R1-R2-C1-C4-(4.3)

Tgt Ion:	136	Resp:	215076
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.6	8.7	13.1#
68	4.5	5.5	8.3#

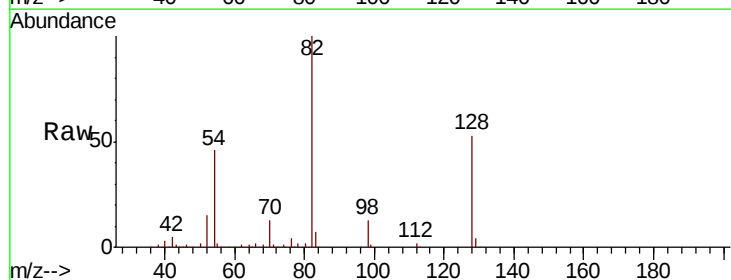


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

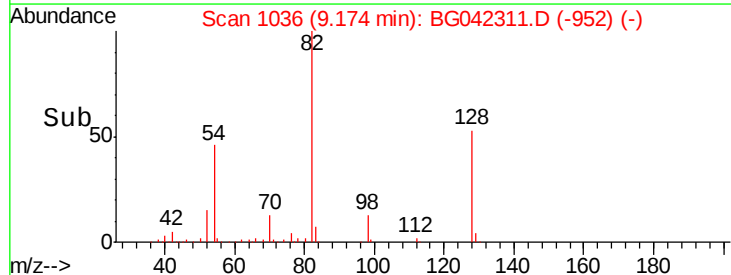
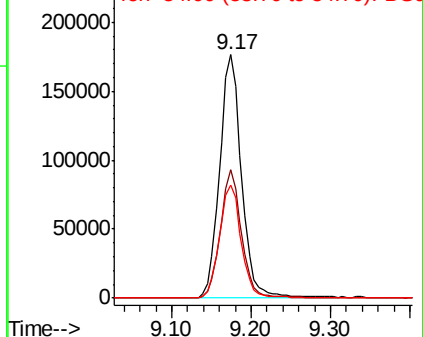


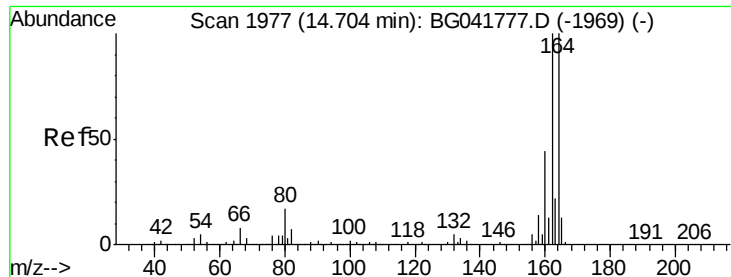
#23
Nitrobenzene-d5
Concen: 108.171 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.04 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

Tgt Ion:	82	Resp:	338073
Ion	Ratio	Lower	Upper
82	100		
128	52.9	35.1	52.7#
54	46.3	48.7	73.1#



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

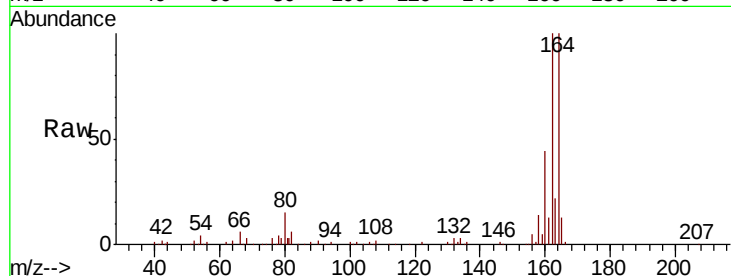




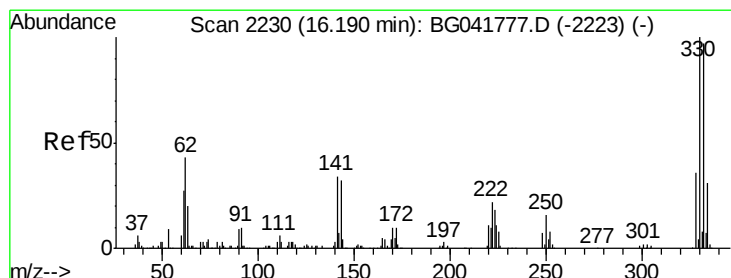
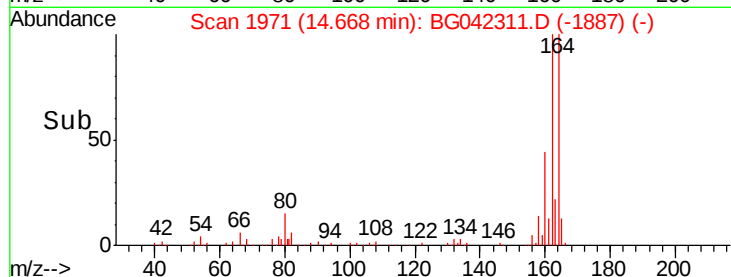
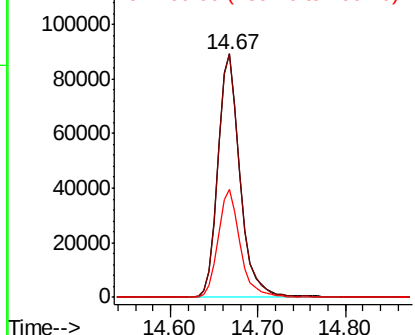
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.04 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

Instrument :
BNA_G
ClientSampleId :
R1-R2-C1-C4-(4.3)

Tgt Ion:164 Resp: 156365
Ion Ratio Lower Upper
164 100
162 100.0 79.6 119.4
160 44.2 35.4 53.0

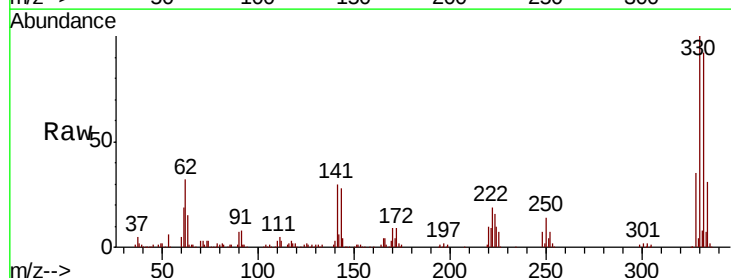


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

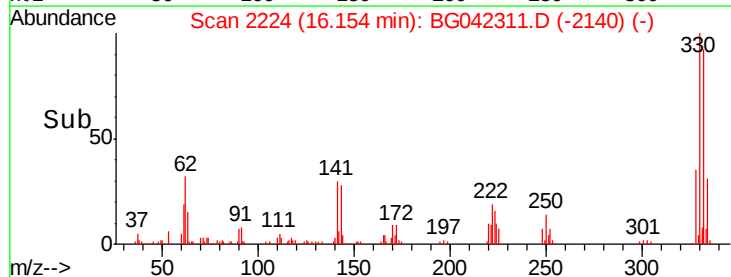
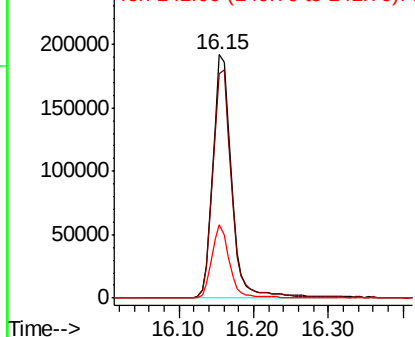


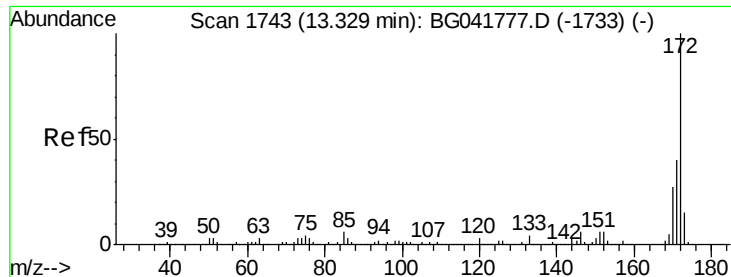
#42
2,4,6-Tribromophenol
Concen: 188.326 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

Tgt Ion:330 Resp: 334485
Ion Ratio Lower Upper
330 100
332 95.0 77.4 116.0
141 28.4 31.9 47.9#



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

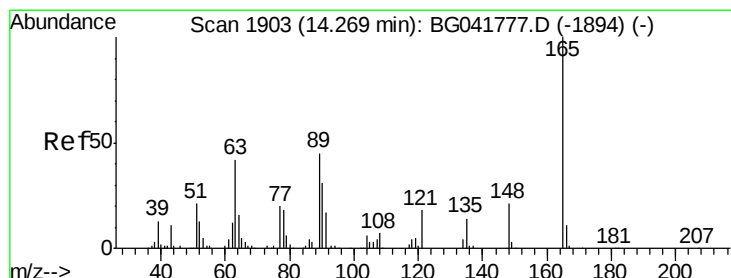
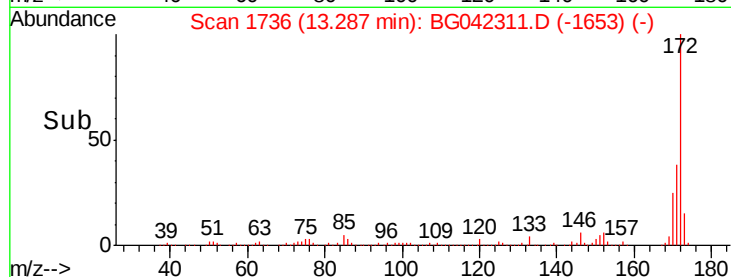
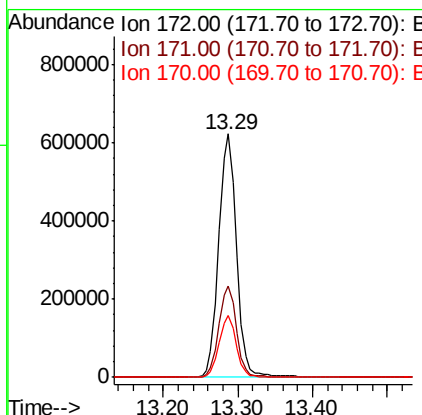
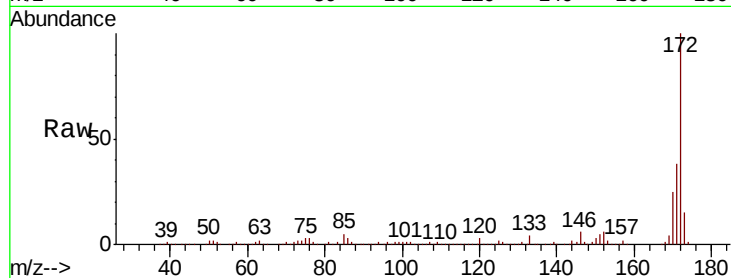




#45
 2-Fluorobiphenyl
 Concen: 116.638 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042311.D
 Acq: 18 Aug 2019 6:51

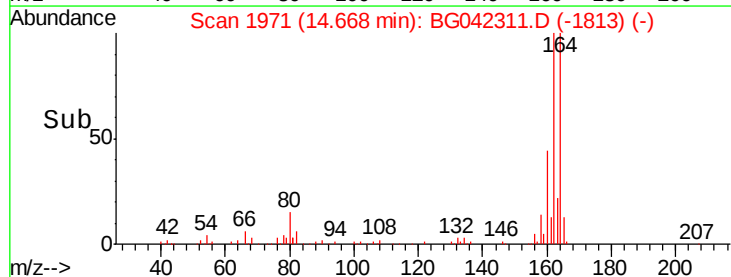
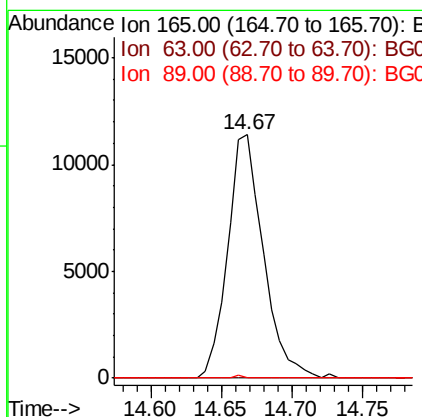
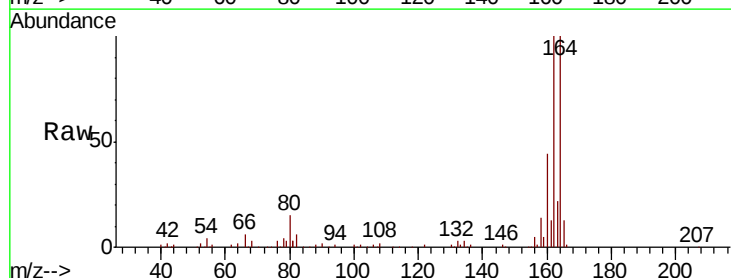
Instrument :
 BNA_G
 ClientSampleId :
 R1-R2-C1-C4-(4.3)

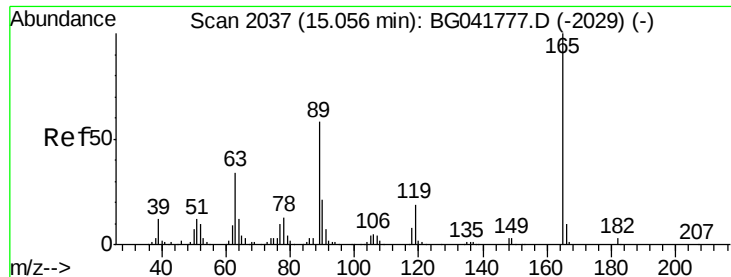
Tgt Ion:172 Resp: 1034071
 Ion Ratio Lower Upper
 172 100
 171 37.7 35.0 52.4
 170 25.2 23.5 35.3



#51
 2,6-Dinitrotoluene
 Concen: 9.008 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042311.D
 Acq: 18 Aug 2019 6:51

Tgt Ion:165 Resp: 20114
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 0.0 42.1 63.1#

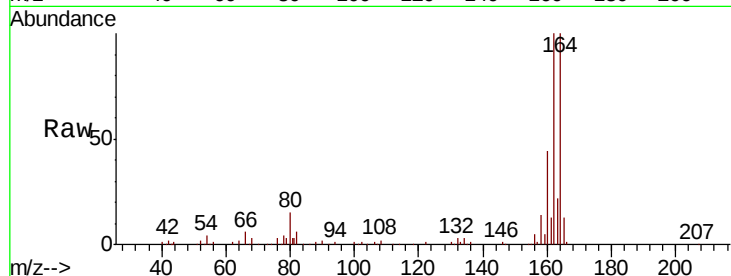




#57
 2,4-Dinitrotoluene
 Concen: 6.550 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042311.D
 Acq: 18 Aug 2019 6:51

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2-C1-C4-(4.3)

Tgt Ion:	165	Resp:	20113
Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#

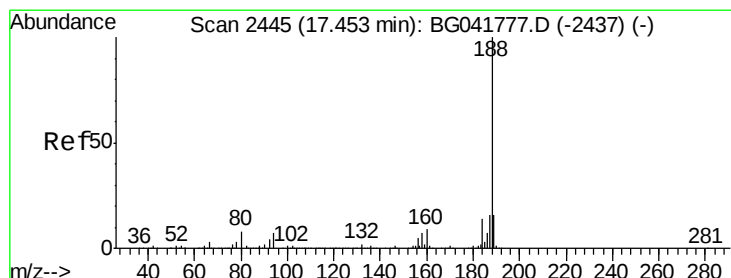
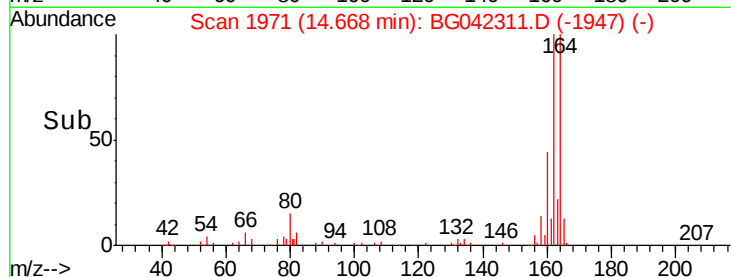
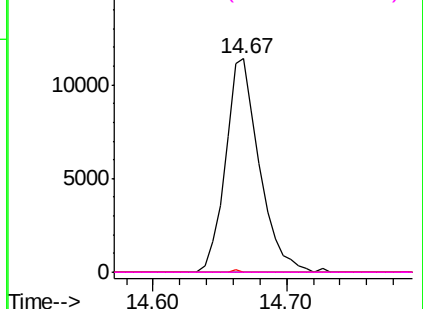


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

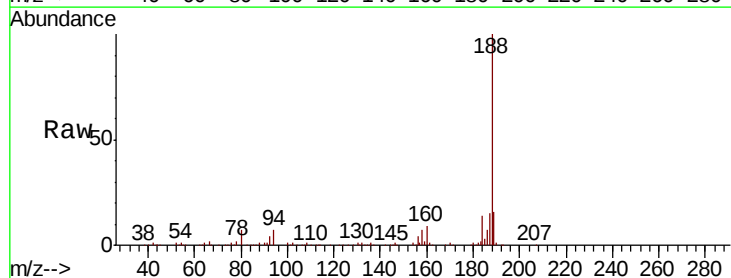
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.04 min
 Lab File: BG042311.D
 Acq: 18 Aug 2019 6:51

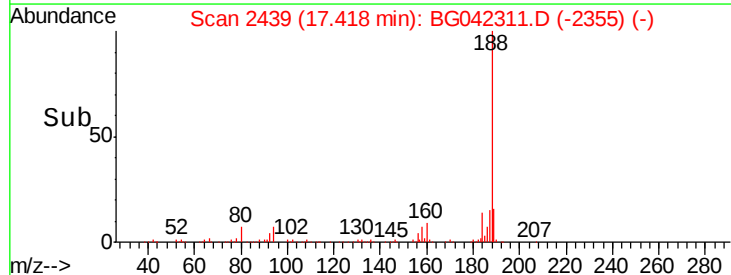
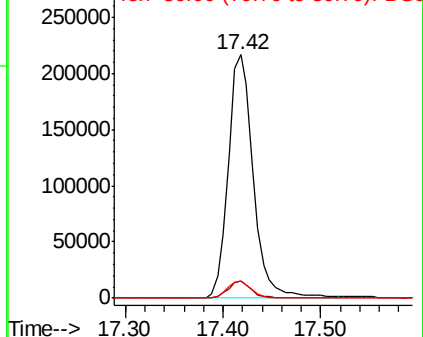
Tgt Ion:	188	Resp:	384175
Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	7.2	8.0	12.0#

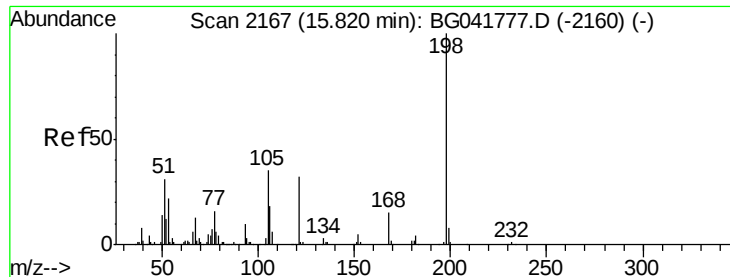


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.205 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042311.D

Acq: 18 Aug 2019 6:51

Instrument :

BNA_G

ClientSampleId :

R1-R2-C1-C4-(4.3)

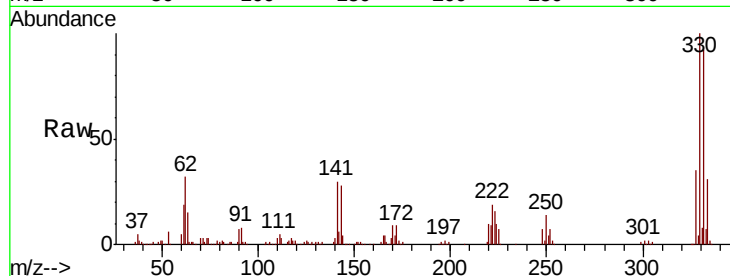
Tgt Ion:198 Resp: 773

Ion Ratio Lower Upper

198 100

51 91.6 22.3 62.3#

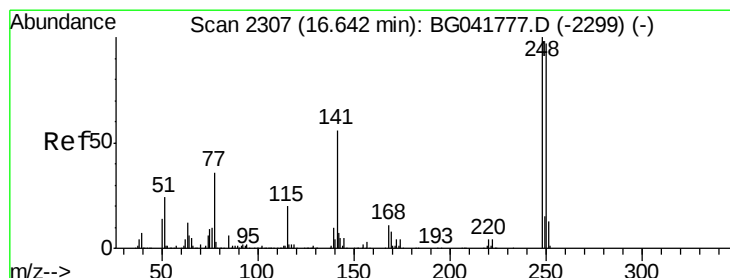
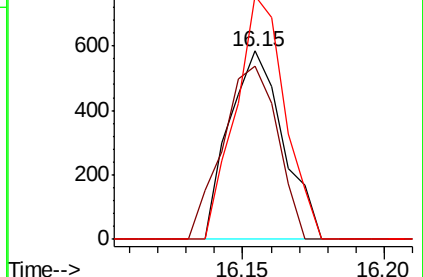
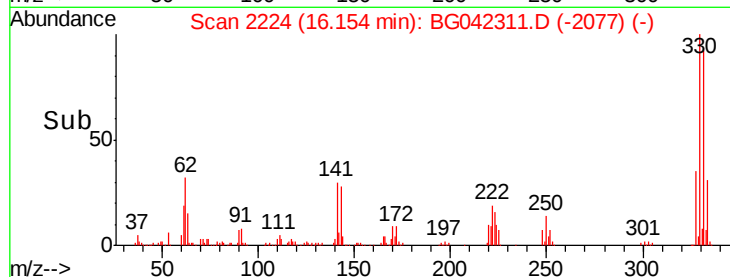
105 129.2 18.0 58.0#



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



#67

4-Bromophenyl-phenylether

Concen: 4.957 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.48 min

Lab File: BG042311.D

Acq: 18 Aug 2019 6:51

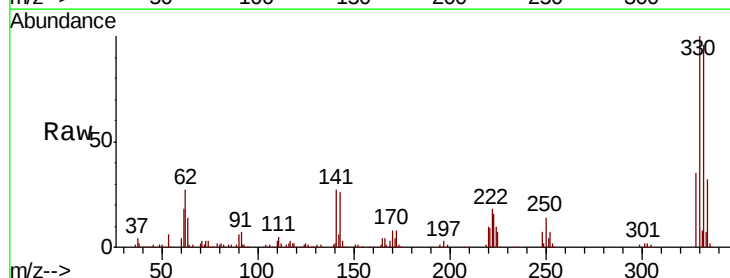
Tgt Ion:248 Resp: 23456

Ion Ratio Lower Upper

248 100

250 183.6 78.1 117.1#

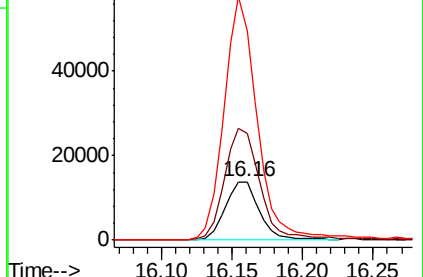
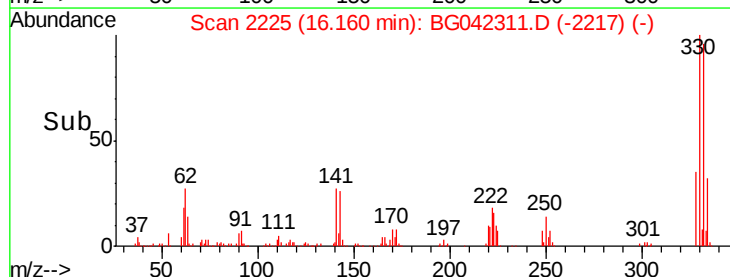
141 359.7 49.6 74.4#

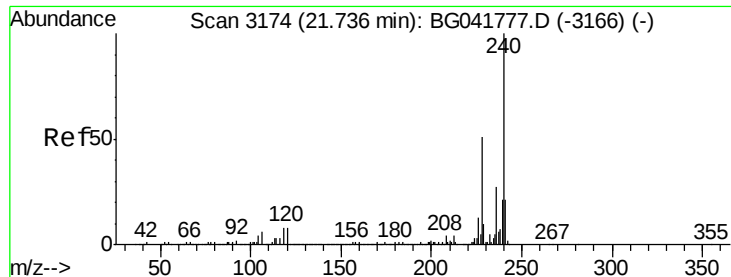


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

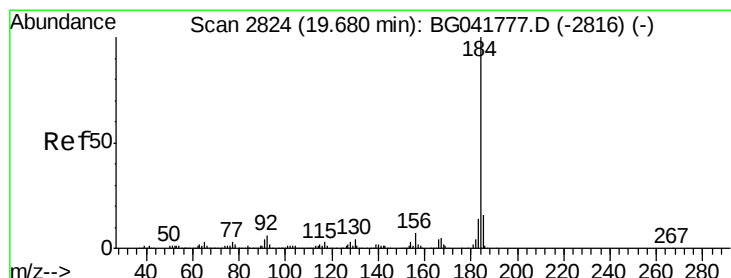
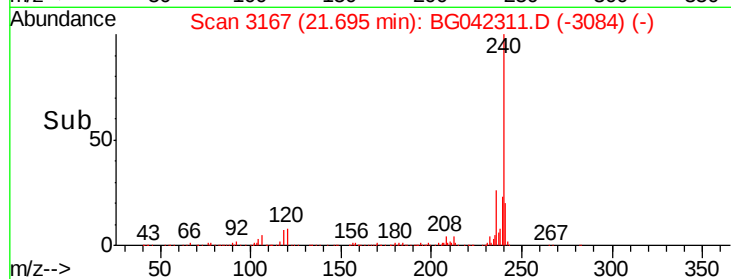
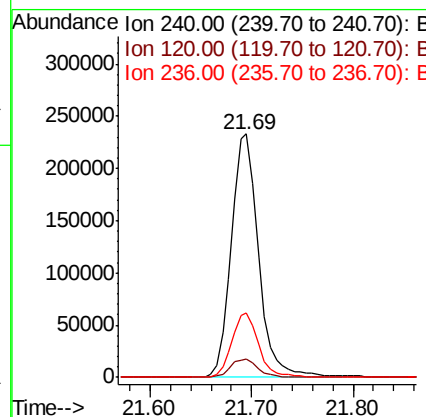
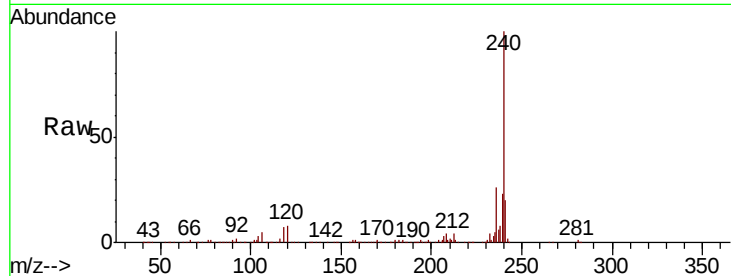




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.04 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

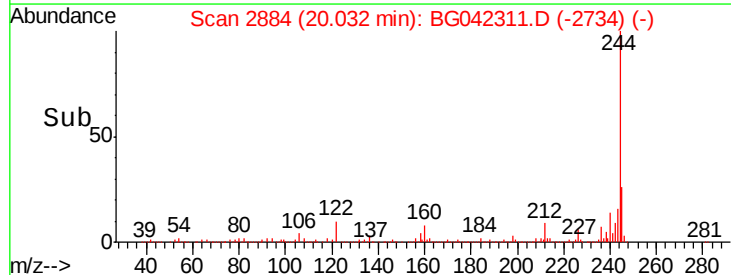
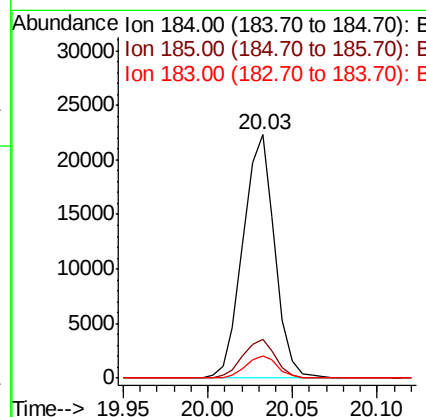
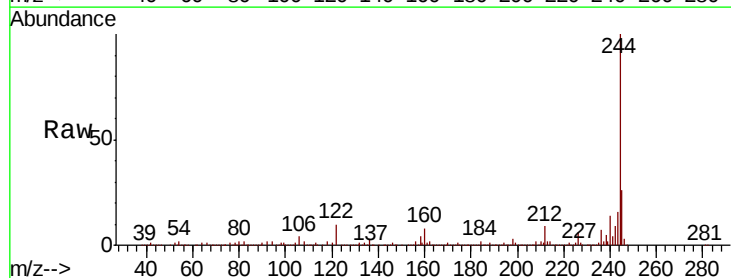
Instrument :
BNA_G
ClientSampleId :
R1-R2-C1-C4-(4.3)

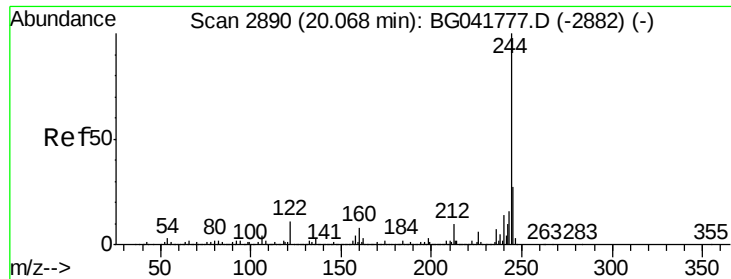
Tgt Ion:240 Resp: 435416
Ion Ratio Lower Upper
240 100
120 7.6 8.0 12.0#
236 26.4 22.6 33.8



#77
Benzidine
Concen: 2.055 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.35 min
Lab File: BG042311.D
Acq: 18 Aug 2019 6:51

Tgt Ion:184 Resp: 29203
Ion Ratio Lower Upper
184 100
185 15.7 13.0 19.4
183 9.2 11.8 17.6#





#79

Terphenyl-d14

Concen: 105.973 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042311.D

Acq: 18 Aug 2019 6:51

Instrument :

BNA_G

ClientSampleId :

R1-R2-C1-C4-(4.3)

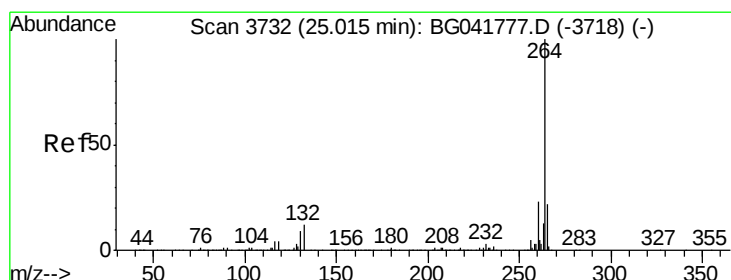
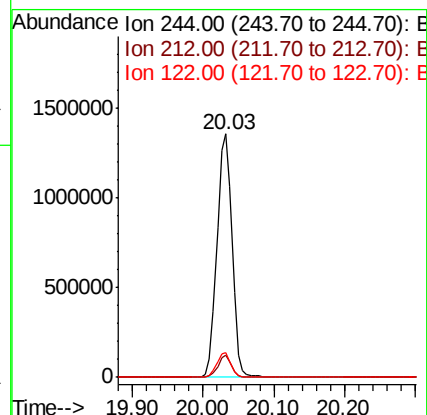
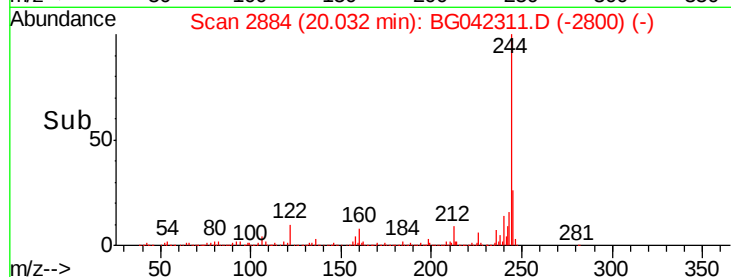
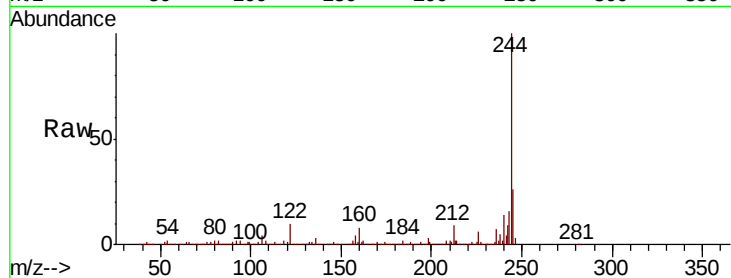
Tgt Ion:244 Resp: 2016486

Ion Ratio Lower Upper

244 100

212 9.0 9.7 14.5#

122 10.2 12.5 18.7#



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.08 min

Lab File: BG042311.D

Acq: 18 Aug 2019 6:51

Tgt Ion:264 Resp: 488059

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 22.2 18.0 27.0

