

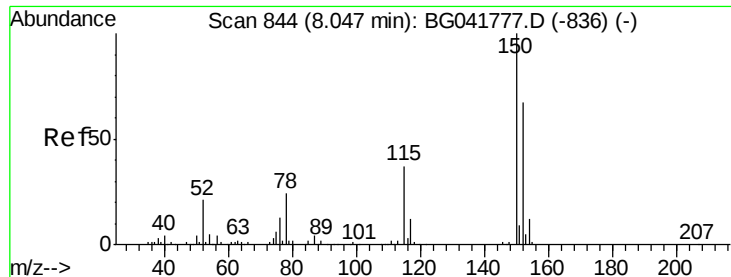
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042306.D
 Acq On : 18 Aug 2019 3:39
 Operator : HP/JU
 Sample : K4266-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(0-1)

Quant Time: Aug 19 06:03:08 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	8.00	152	60313	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	223702	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	161356	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	390552	20.00	ng	-0.04
76) Chrysene-d12	21.69	240	449711	20.00	ng	-0.04
87) Perylene-d12	24.94	264	511134	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	392841	126.73	ng	-0.03
7) Phenol-d6	7.17	99	476376	113.99	ng	-0.02
23) Nitrobenzene-d5	9.17	82	337329	103.77	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	330194	180.16	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1034377	113.06	ng	-0.04
79) Terphenyl-d14	20.03	244	2003443	101.94	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.14	88	13487	9.244	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	42022	13.850	ng	# 64
51) 2,6-Dinitrotoluene	14.67	165	20478	8.887	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	20476	6.462	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.15	198	757	7.192	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	23498	4.884	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 837

Delta R.T. -0.04 min

Lab File: BG042306.D

Acq: 18 Aug 2019 3:39

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(0-1)

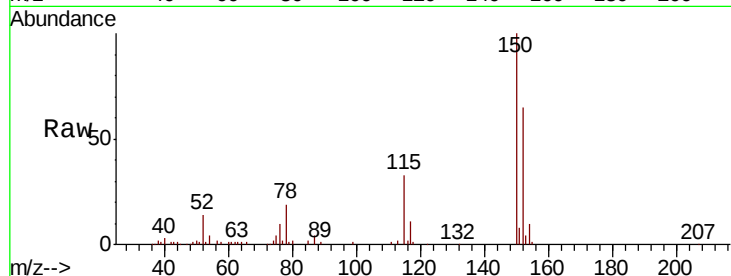
Tgt Ion:152 Resp: 60313

Ion Ratio Lower Upper

152 100

150 154.3 126.9 190.3

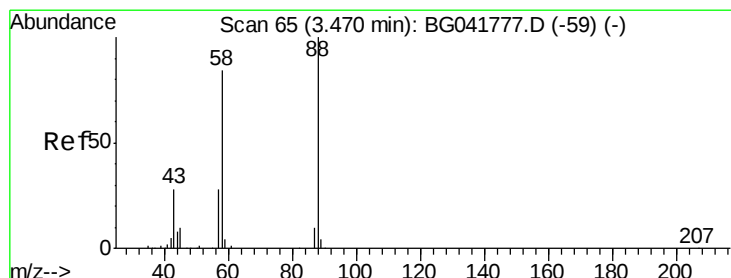
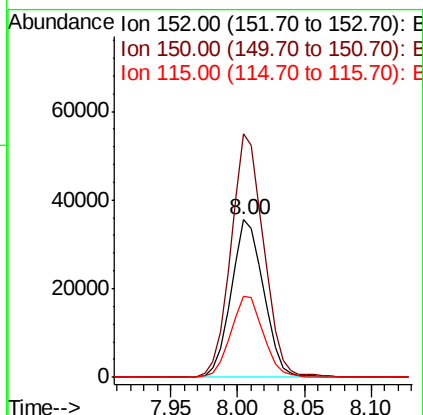
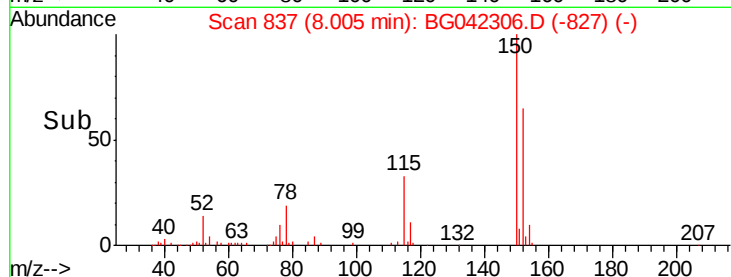
115 51.6 45.0 67.6



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



#2

1,4-Dioxane

Concen: 9.244 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042306.D

Acq: 18 Aug 2019 3:39

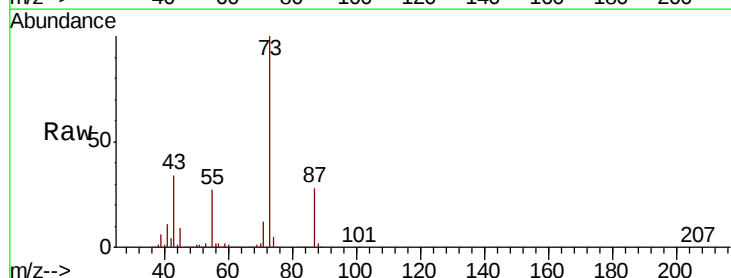
Tgt Ion: 88 Resp: 13487

Ion Ratio Lower Upper

88 100

58 27.0 76.2 114.2#

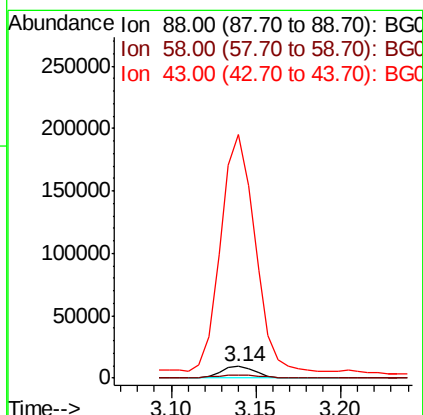
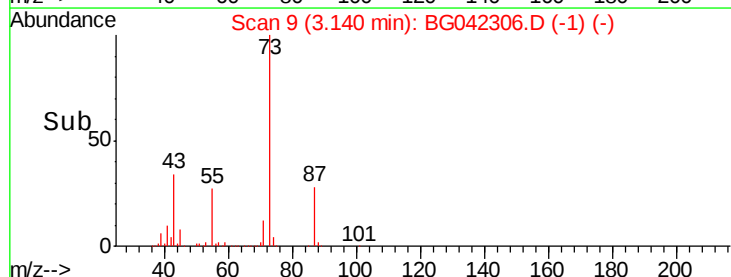
43 1985.1 27.2 40.8#

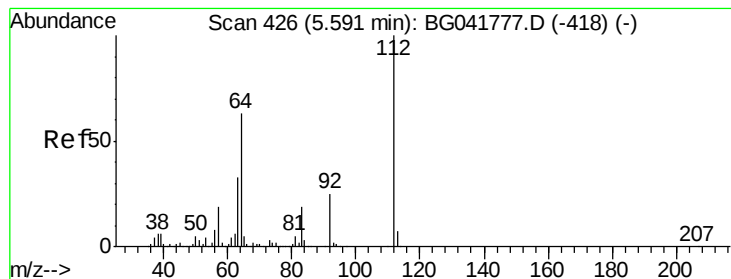


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 126.726 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042306.D

Acq: 18 Aug 2019 3:39

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(0-1)

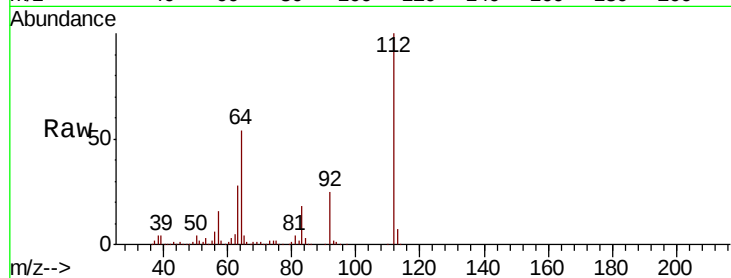
Tgt Ion: 112 Resp: 392841

Ion Ratio Lower Upper

112 100

64 54.2 55.4 83.2#

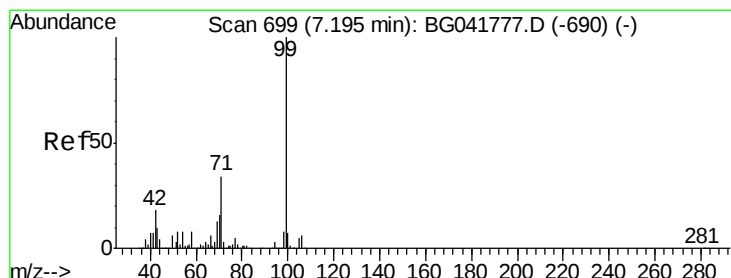
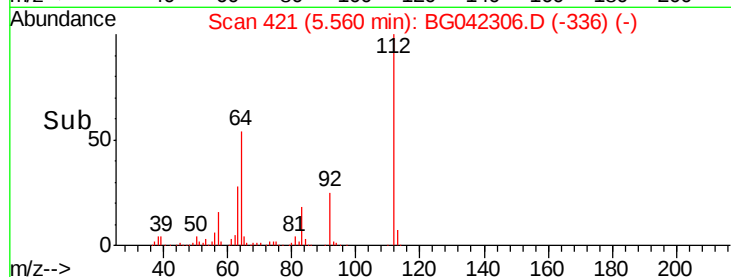
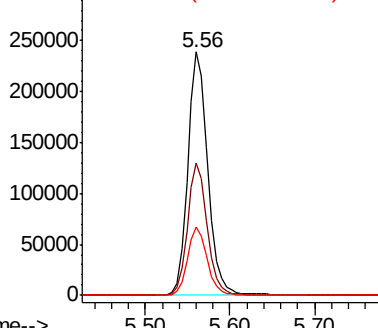
63 28.1 29.1 43.7#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 113.987 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042306.D

Acq: 18 Aug 2019 3:39

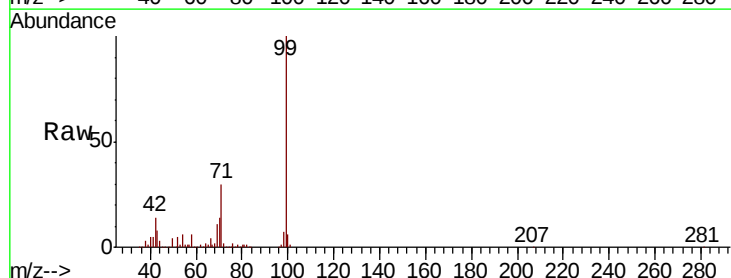
Tgt Ion: 99 Resp: 476376

Ion Ratio Lower Upper

99 100

42 14.0 17.6 26.4#

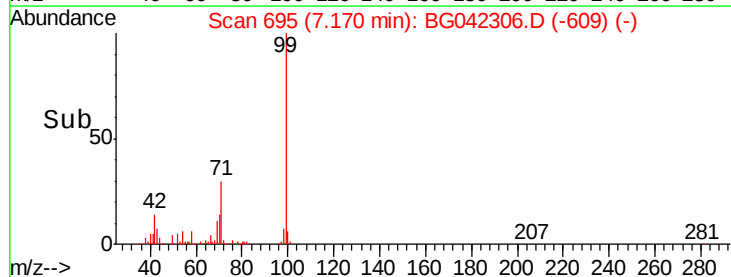
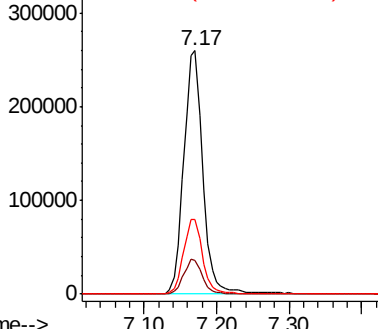
71 30.5 27.8 41.6

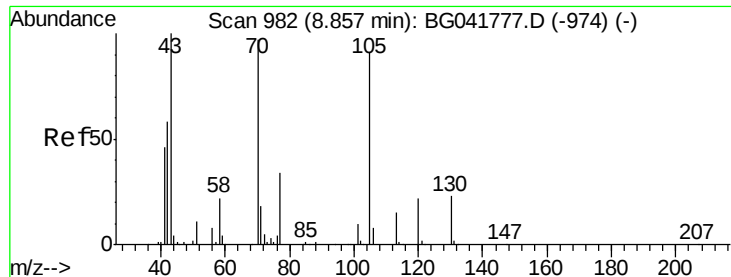


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

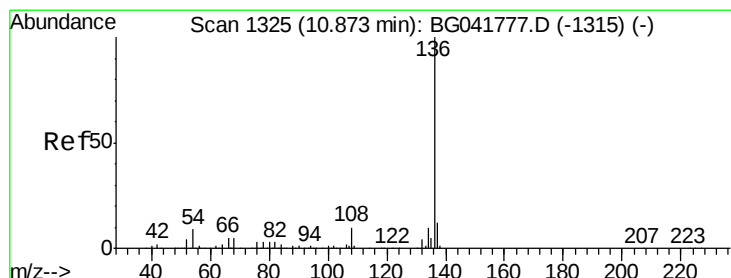
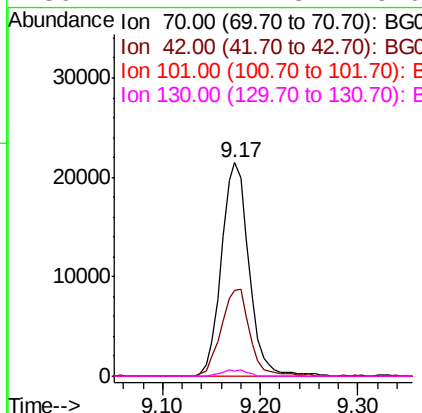
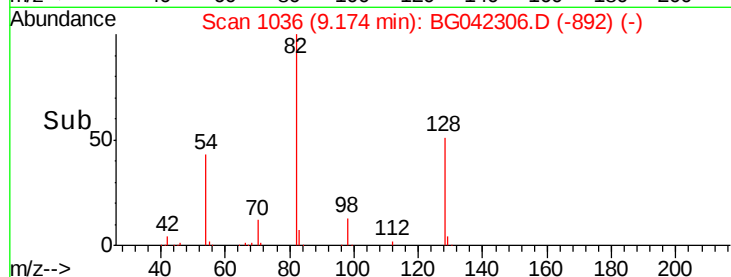
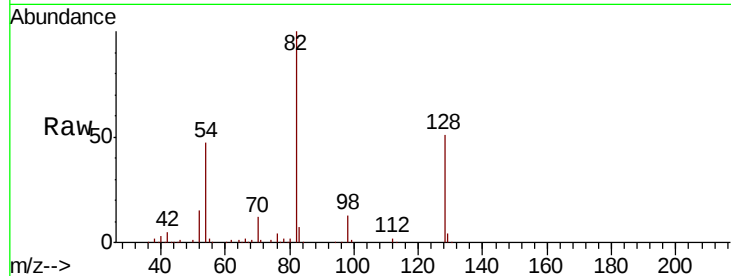




#19
n-Nitroso-di-n-propylamine
Concen: 13.850 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.32 min
Lab File: BG042306.D
Acq: 18 Aug 2019 3:39

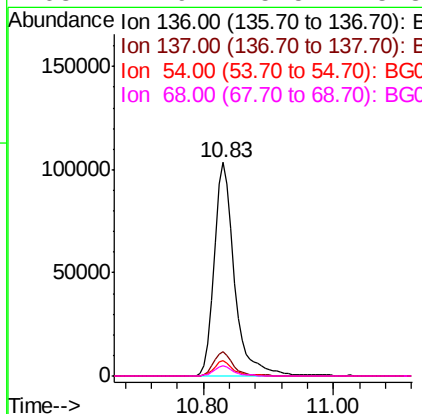
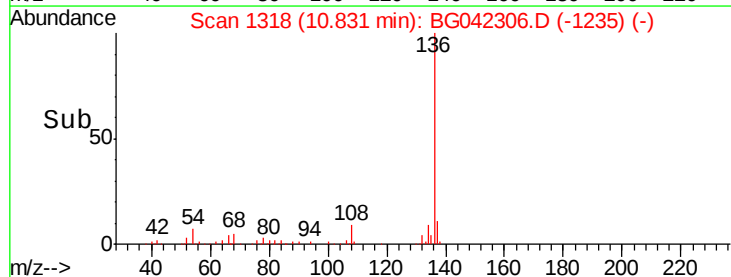
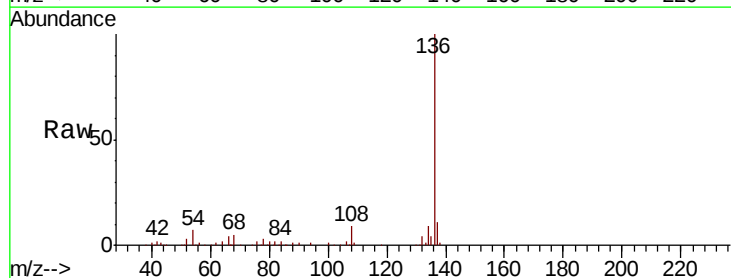
Instrument :
BNA_G
ClientSampleId :
R1-R2(A1-A4)-(0-1)

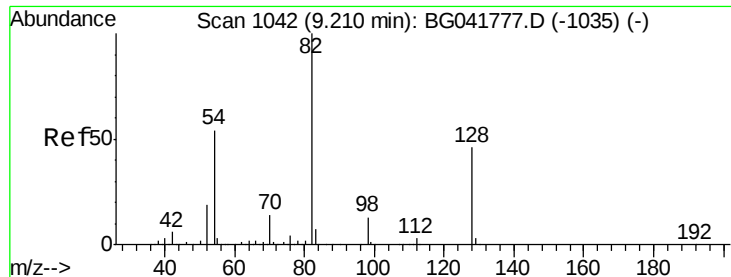
Tgt Ion: 70 Resp: 42022
Ion Ratio Lower Upper
70 100
42 40.4 55.8 83.6#
101 0.0 8.1 12.1#
130 2.2 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042306.D
Acq: 18 Aug 2019 3:39

Tgt Ion: 136 Resp: 223702
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 7.1 8.7 13.1#
68 4.9 5.5 8.3#

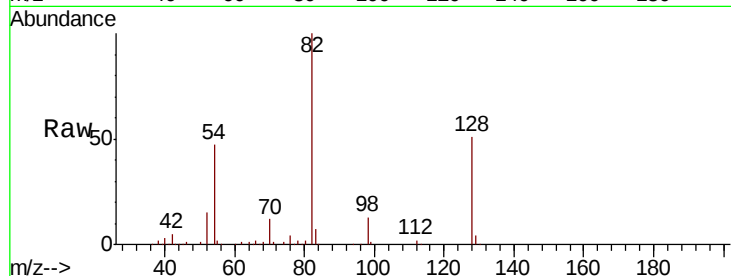




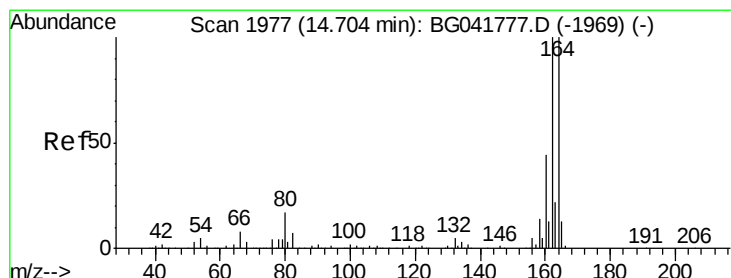
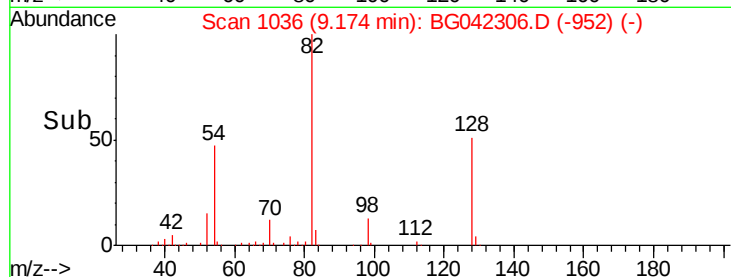
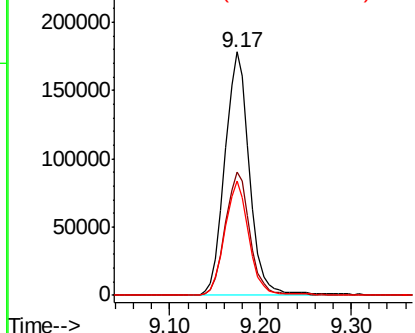
#23
 Nitrobenzene-d5
 Concen: 103.771 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.04 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(0-1)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.7	35.1	52.7
54	47.2	48.7	73.1#

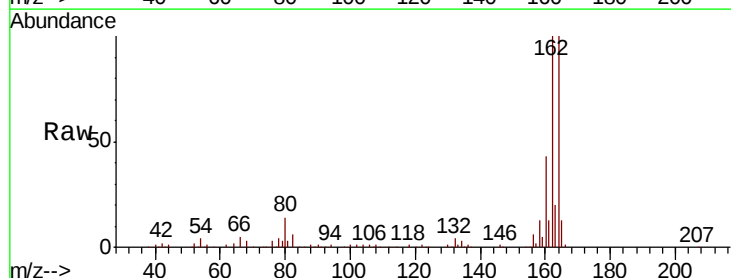


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

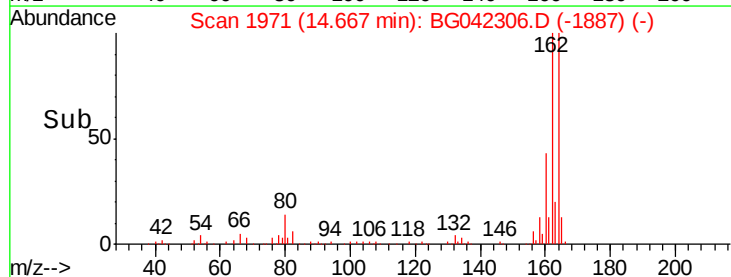
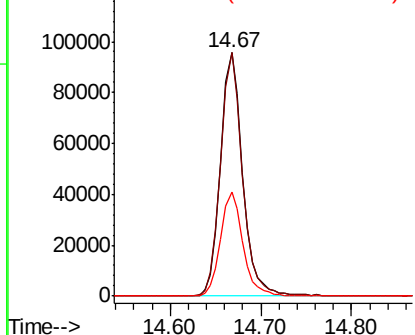


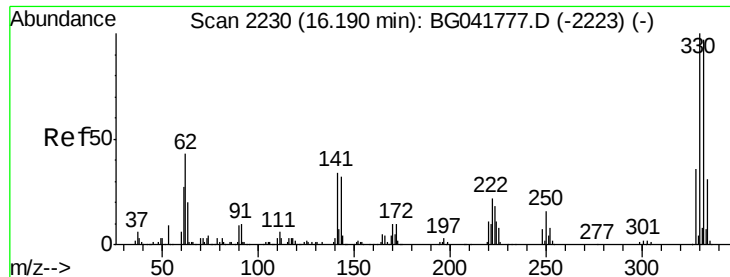
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.04 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.6	119.4
160	42.9	35.4	53.0



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

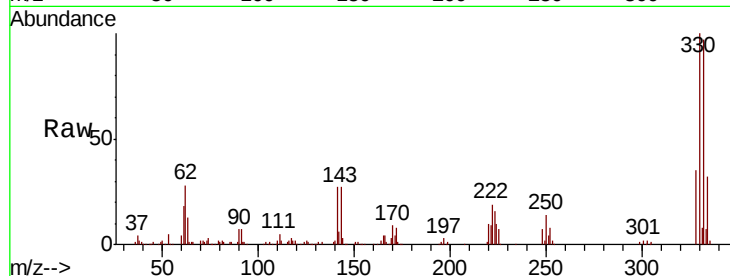




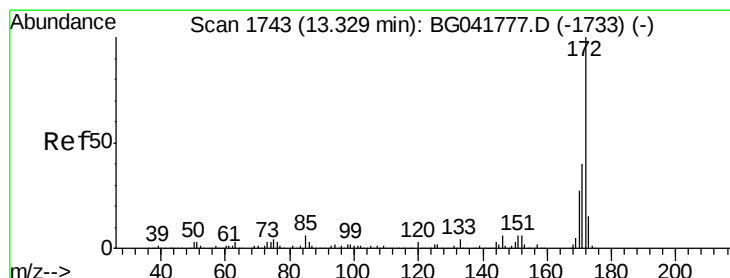
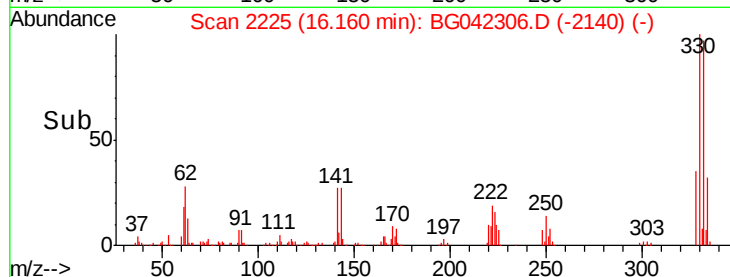
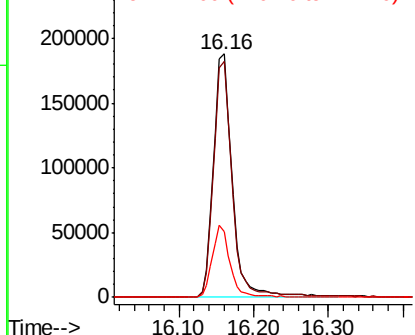
#42
 2,4,6-Tribromophenol
 Concen: 180.160 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(0-1)

Tgt Ion:330 Resp: 330194
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.0
 141 28.1 31.9 47.9#

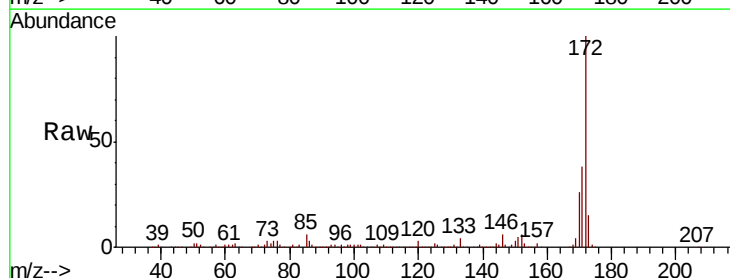


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

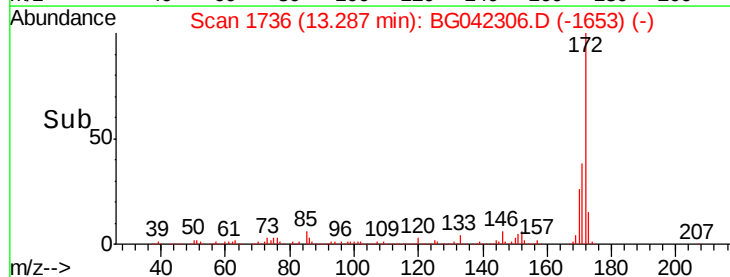
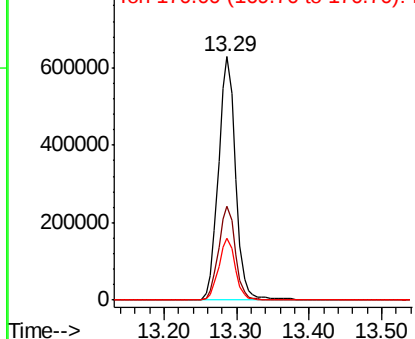


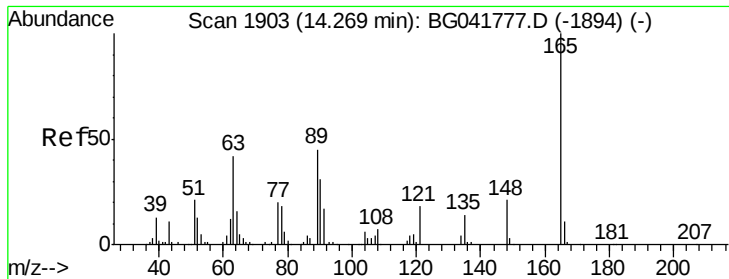
#45
 2-Fluorobiphenyl
 Concen: 113.064 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Tgt Ion:172 Resp: 1034377
 Ion Ratio Lower Upper
 172 100
 171 38.4 35.0 52.4
 170 25.6 23.5 35.3



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

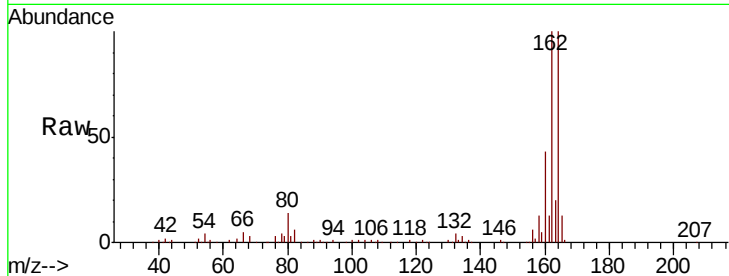




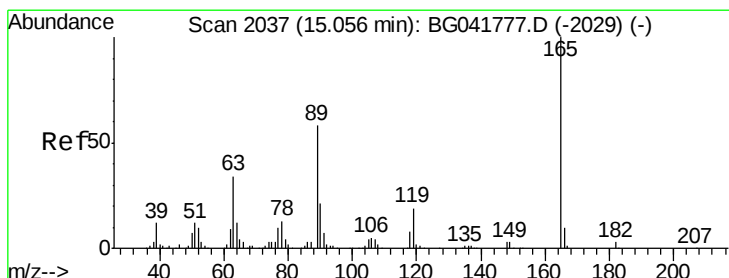
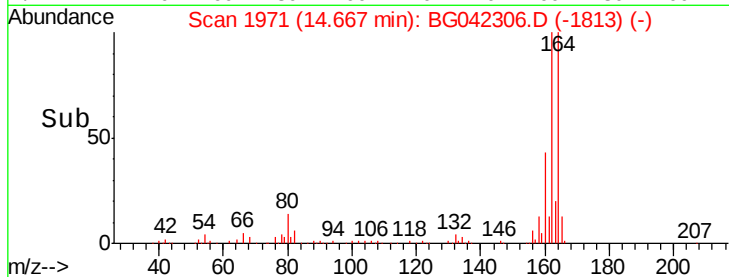
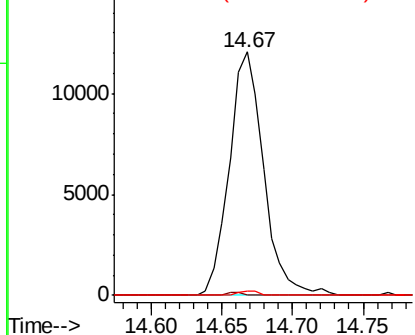
#51
 2,6-Dinitrotoluene
 Concen: 8.887 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(0-1)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	1.7	42.1	63.1#



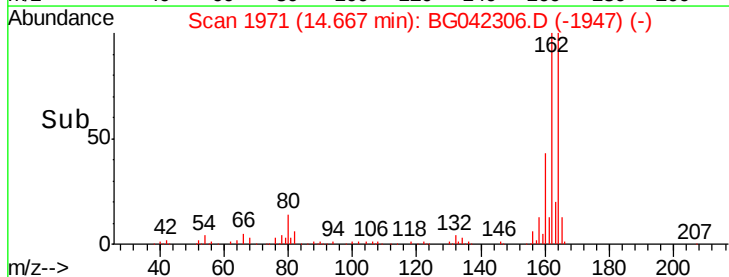
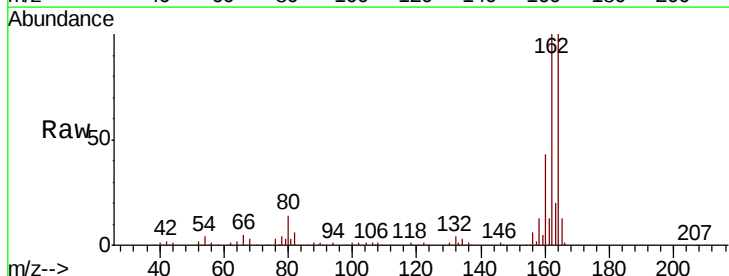
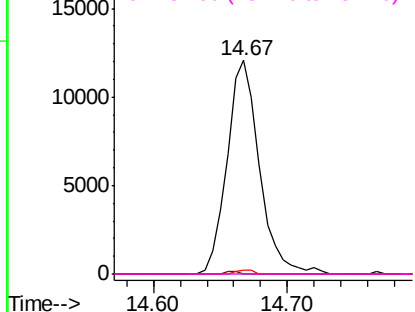
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

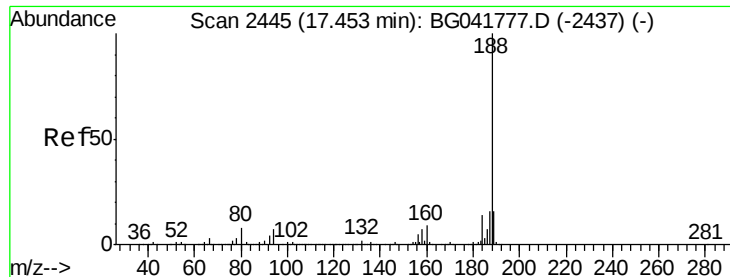


#57
 2,4-Dinitrotoluene
 Concen: 6.462 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	1.7	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: BG042306.D

Acq: 18 Aug 2019 3:39

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(0-1)

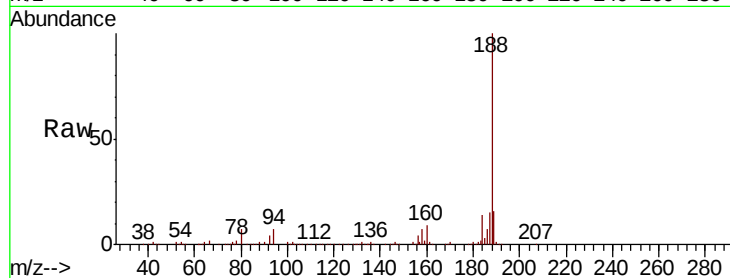
Tgt Ion:188 Resp: 390552

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

80 7.2 8.0 12.0#

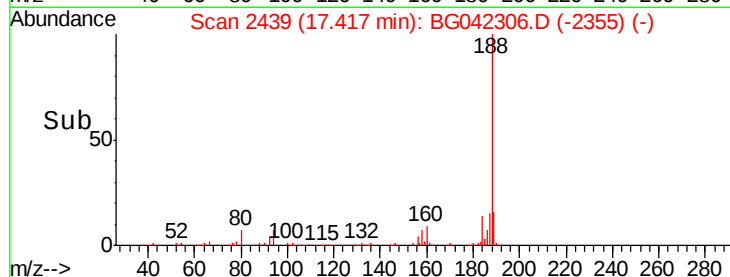


Abundance Ion 188.00 (187.70 to 188.70): E

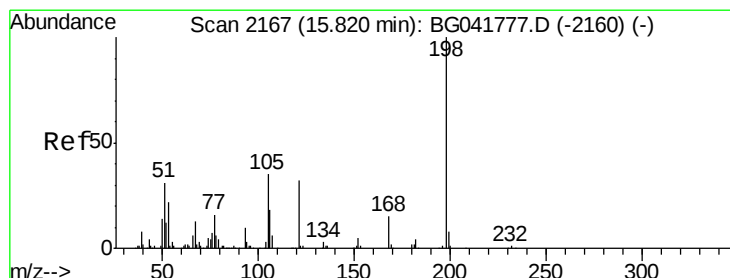
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

Time--> 17.30 17.40 17.50



Time--> 17.30 17.40 17.50



#65

4,6-Dinitro-2-methylphenol

Concen: 7.192 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.33 min

Lab File: BG042306.D

Acq: 18 Aug 2019 3:39

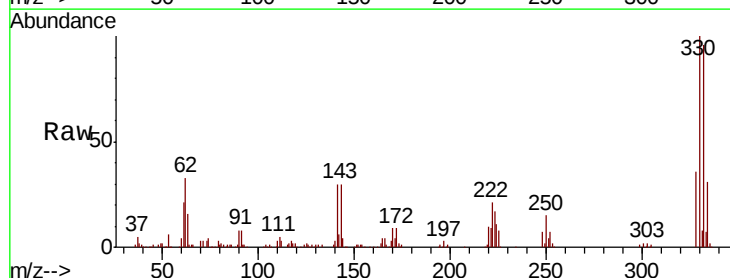
Tgt Ion:198 Resp: 757

Ion Ratio Lower Upper

198 100

51 82.9 22.3 62.3#

105 134.4 18.0 58.0#

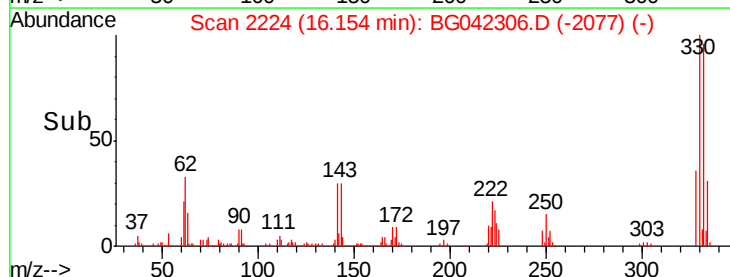


Abundance Ion 198.00 (197.70 to 198.70): E

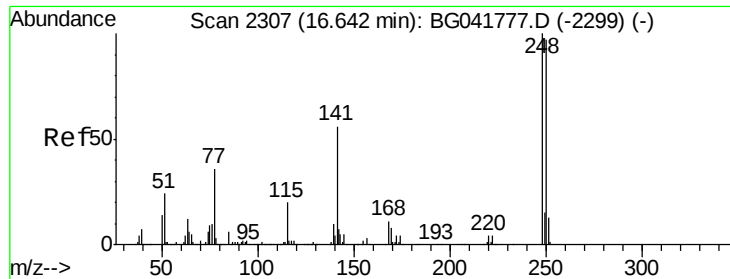
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

Time--> 16.10 16.15 16.20



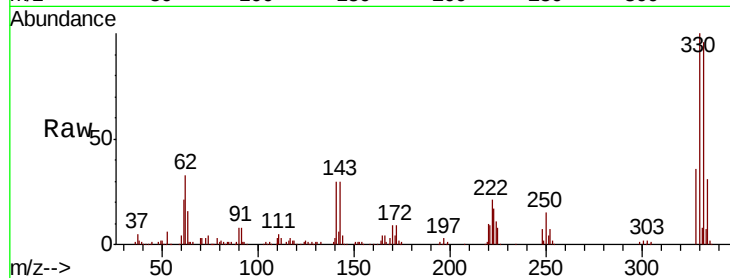
Time--> 16.10 16.15 16.20



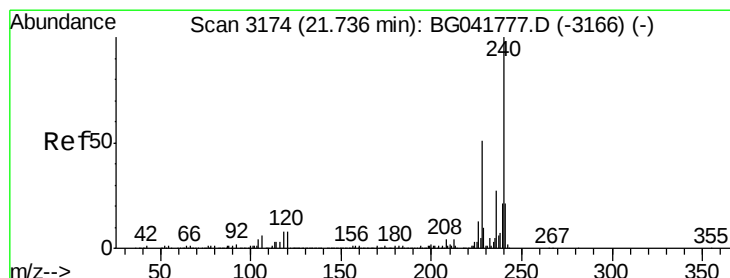
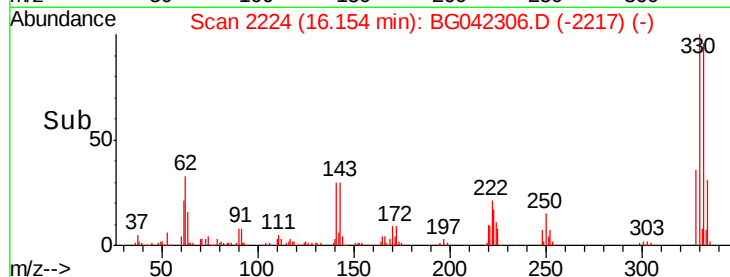
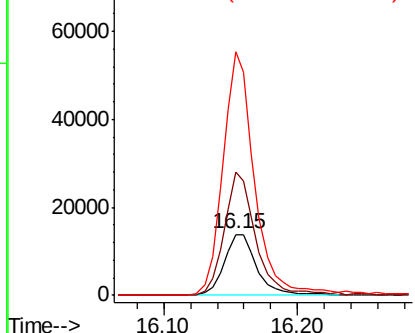
#67
 4-Bromophenyl-phenylether
 Concen: 4.884 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(0-1)

Tgt Ion:248 Resp: 23498
 Ion Ratio Lower Upper
 248 100
 250 204.4 78.1 117.1#
 141 401.9 49.6 74.4#

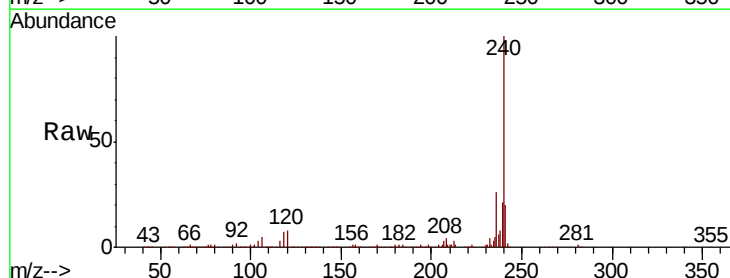


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

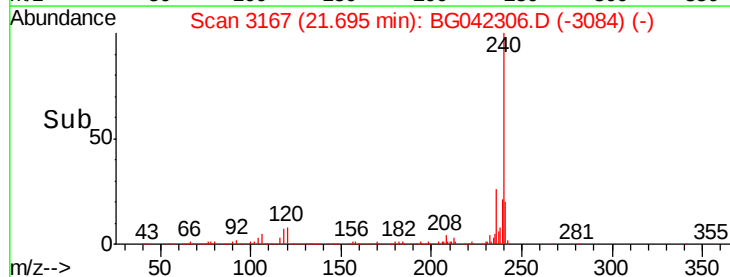
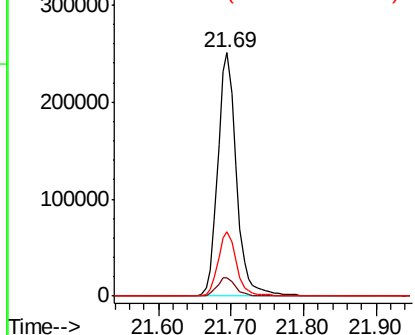


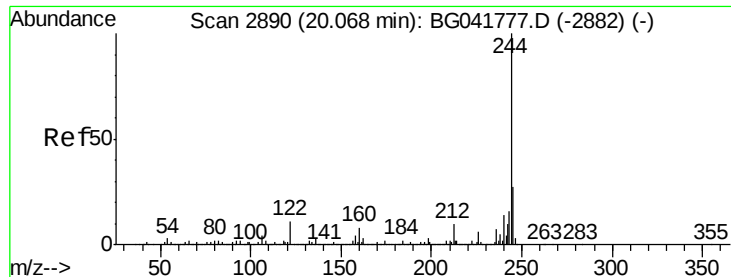
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042306.D
 Acq: 18 Aug 2019 3:39

Tgt Ion:240 Resp: 449711
 Ion Ratio Lower Upper
 240 100
 120 7.6 8.0 12.0#
 236 26.3 22.6 33.8



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





#79

Terphenyl-d14

Concen: 101.941 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.04 min

Lab File: BG042306.D

Acq: 18 Aug 2019 3:39

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(0-1)

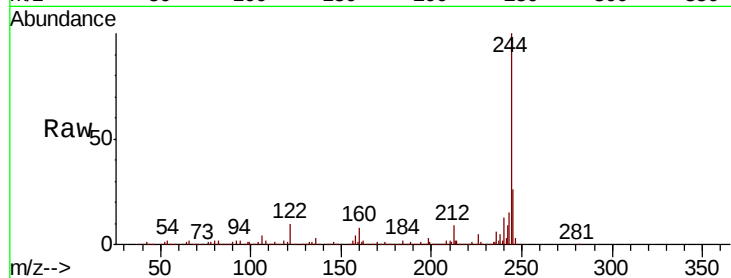
Tgt Ion:244 Resp: 2003443

Ion Ratio Lower Upper

244 100

212 8.9 9.7 14.5#

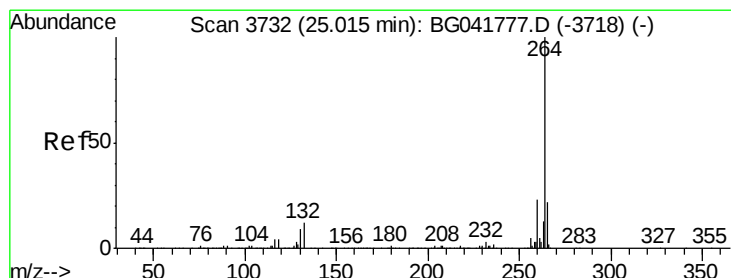
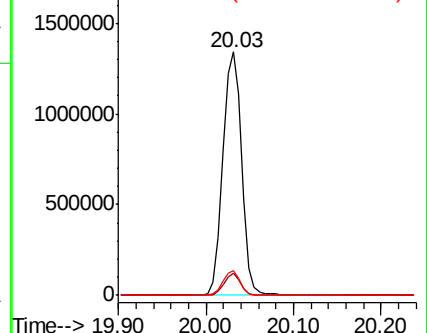
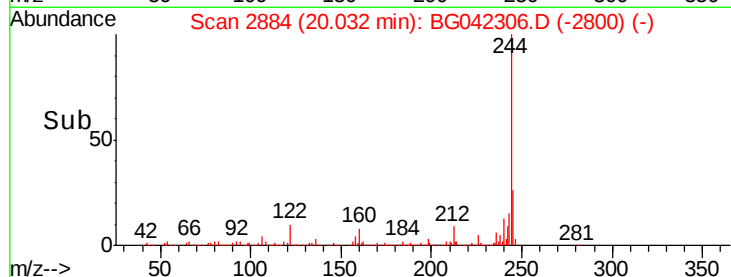
122 10.4 12.5 18.7#



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: 24.94 min Scan# 3720

Delta R.T. -0.07 min

Lab File: BG042306.D

Acq: 18 Aug 2019 3:39

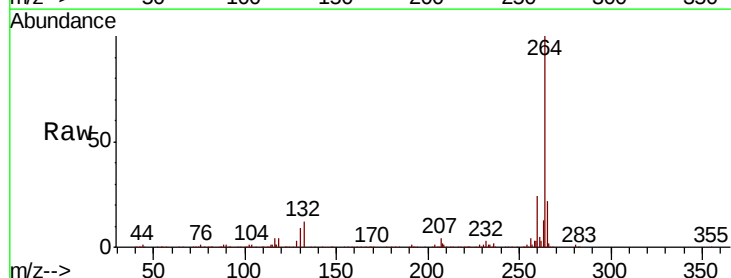
Tgt Ion:264 Resp: 511134

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.9 18.0 27.0



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

