

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041410.D
 Acq On : 22 Jun 2019 19:30
 Operator : HP/JU
 Sample : K3470-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-6

Quant Time: Jun 24 02:10:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

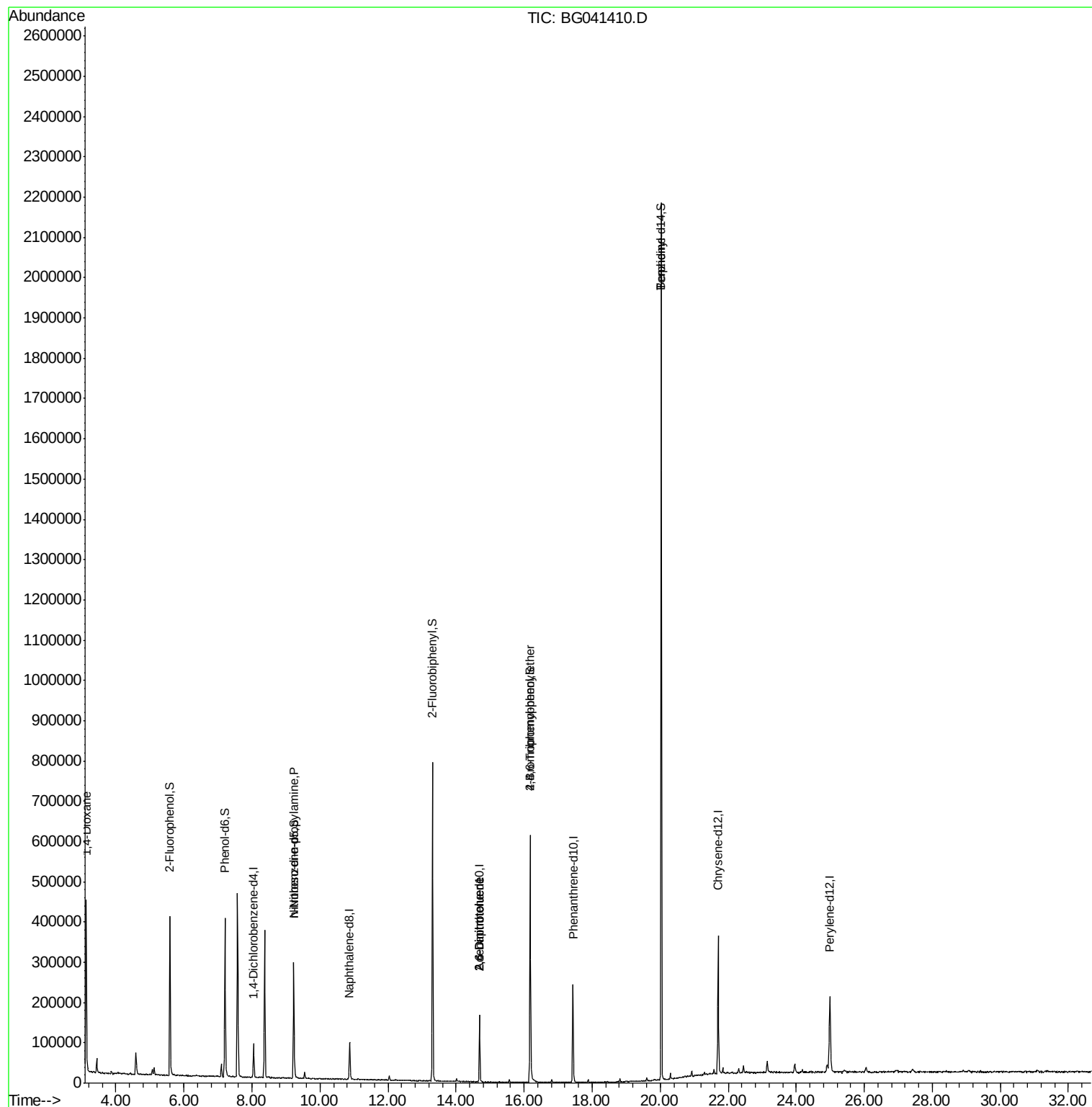
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	24091	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	84983	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	59408	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	171260	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	218577	20.00	ng	-0.04
87) Perylene-d12	24.99	264	227654	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	162302	123.79	ng	-0.03
7) Phenol-d6	7.21	99	213396	112.28	ng	-0.03
23) Nitrobenzene-d5	9.23	82	176399	87.30	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	133002	145.83	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	407738	93.28	ng	-0.03
79) Terphenyl-d14	20.03	244	1008176	91.41	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.13	88	3973	6.043	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	26138	17.005	ng	# 79
51) 2,6-Dinitrotoluene	14.69	165	7309	6.558	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7309	4.486	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	9498	4.289	ng	# 1
77) Benzidine	20.03	184	16757	3.170	ng	96

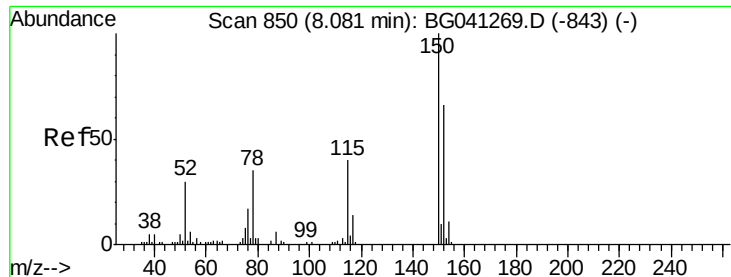
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.03 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SAMPLE-6

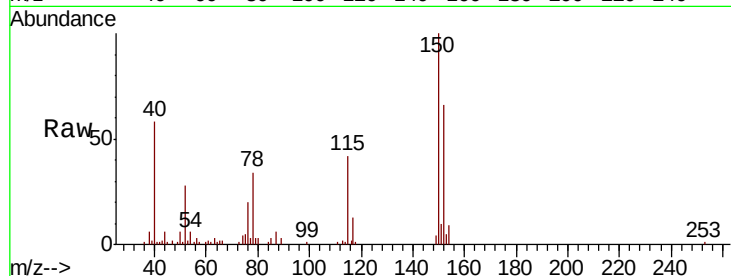
Tot Ion:152 Resp: 24091

Ion Ratio Lower Upper

152 100

150 151.4 120.6 181.0

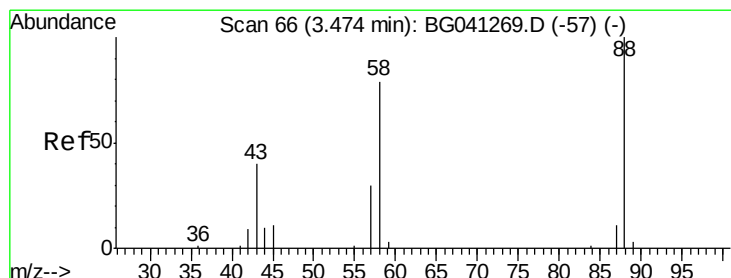
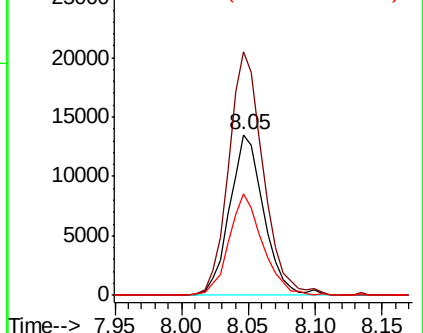
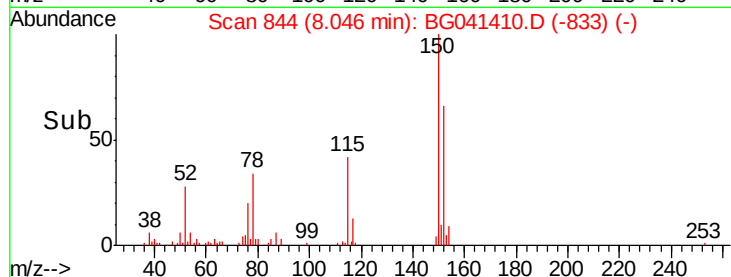
115 62.9 47.9 71.9



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: 6.043 ng

RT: 3.13 min Scan# 8

Delta R.T. -0.34 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

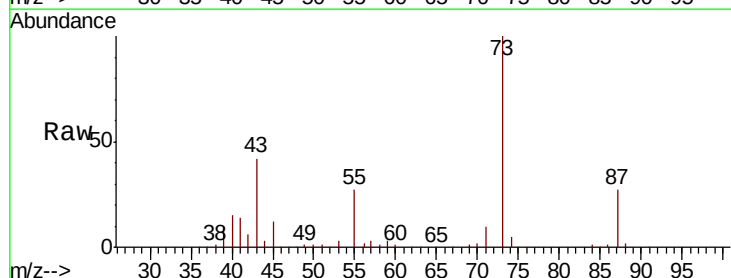
Tgt Ion: 88 Resp: 3973

Ion Ratio Lower Upper

88 100

58 29.0 59.7 89.5#

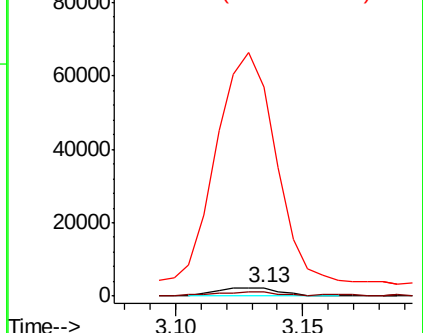
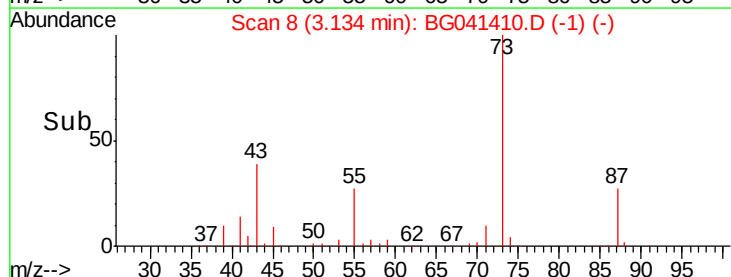
43 2536.3 31.9 47.9#

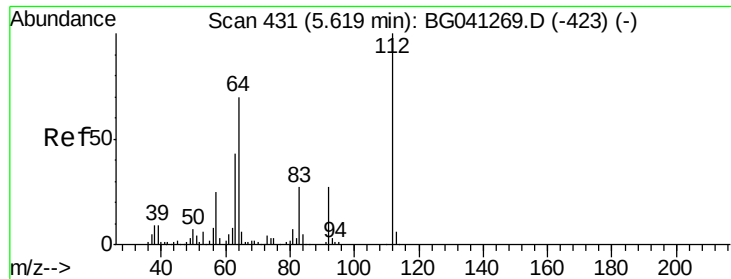


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 123.787 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.03 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SAMPLE-6

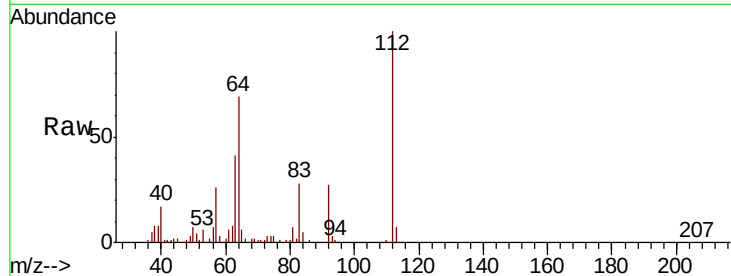
Tot Ion:112 Resp: 162302

Ion Ratio Lower Upper

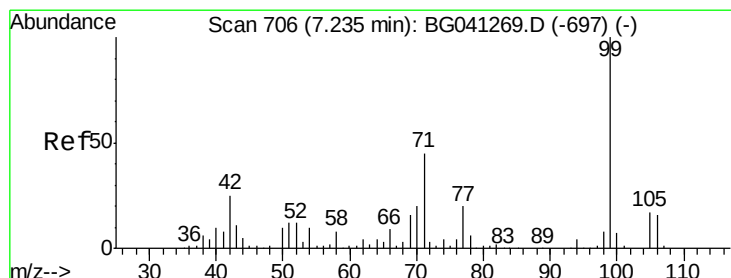
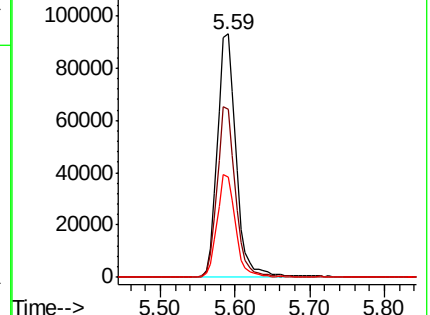
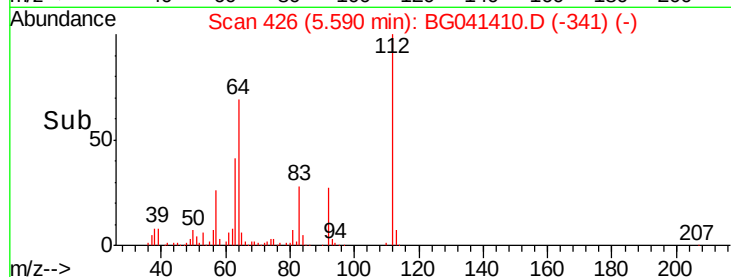
112 100

64 68.8 55.9 83.9

63 41.3 34.6 51.8



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: 112.284 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.03 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

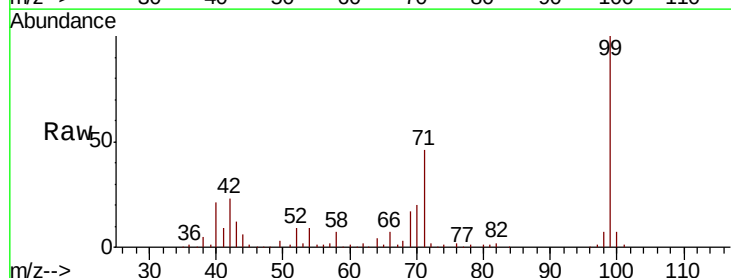
Tgt Ion: 99 Resp: 213396

Ion Ratio Lower Upper

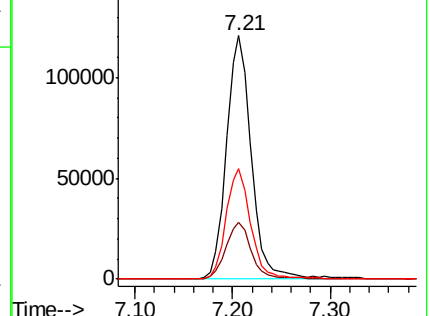
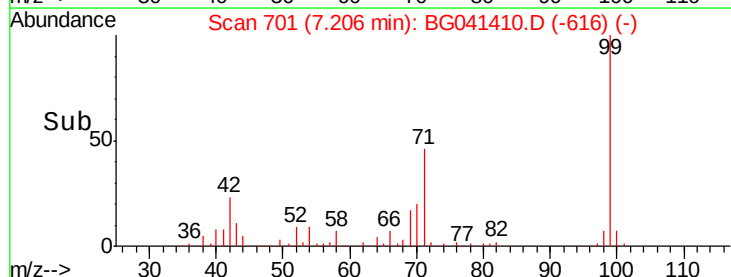
99 100

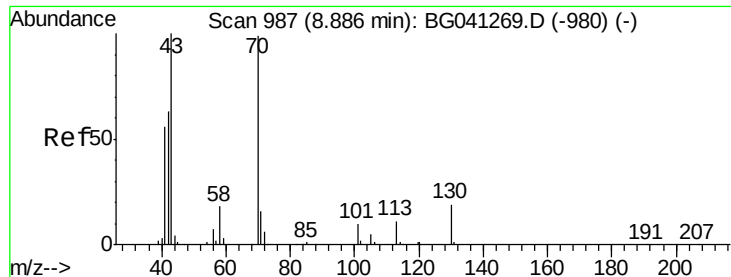
42 23.4 19.9 29.9

71 45.5 36.4 54.6



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: 17.005 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SAMPLE-6

Tot Ion: 70 Resp: 26138

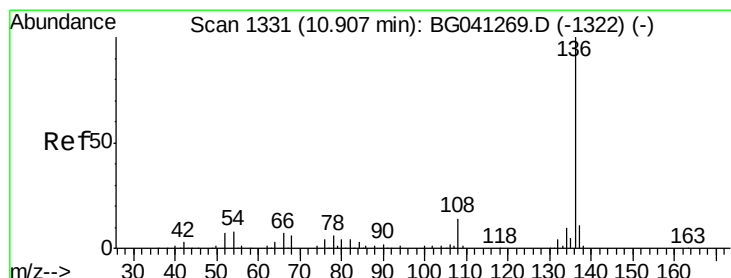
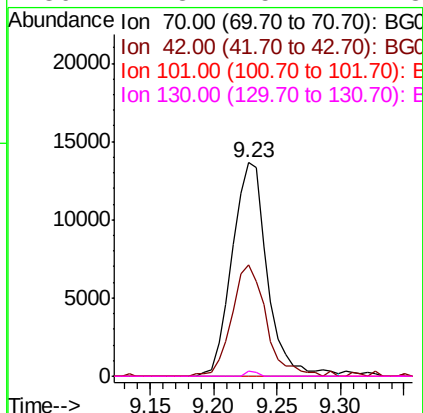
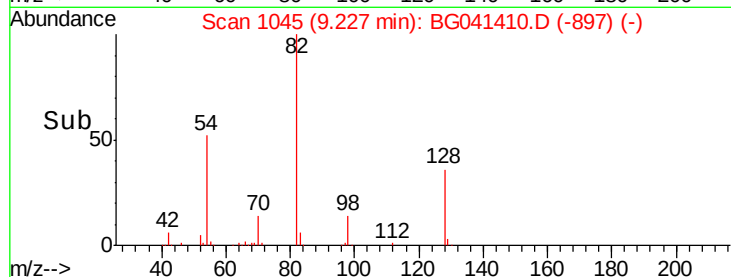
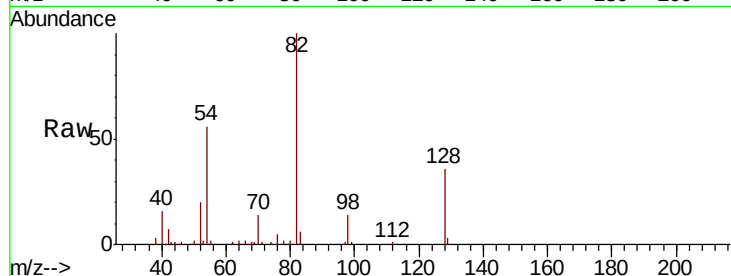
Ion Ratio Lower Upper

70 100

42 52.3 51.4 77.2

101 0.0 8.2 12.2#

130 2.3 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1325

Delta R.T. -0.03 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

Tgt Ion: 136 Resp: 84983

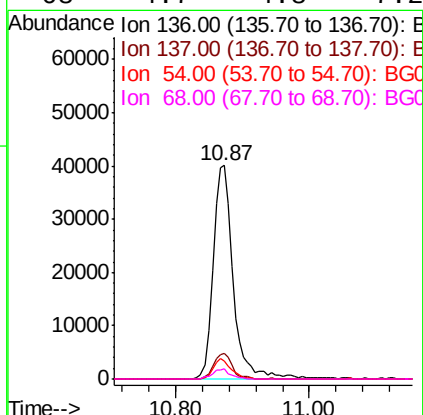
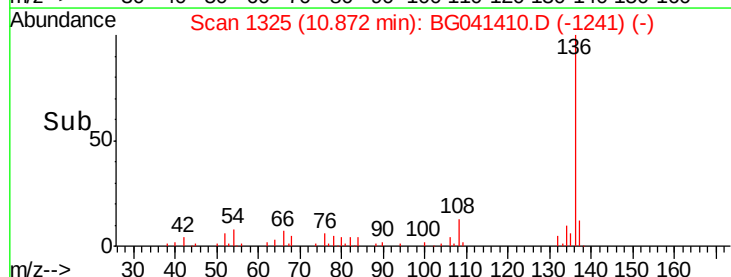
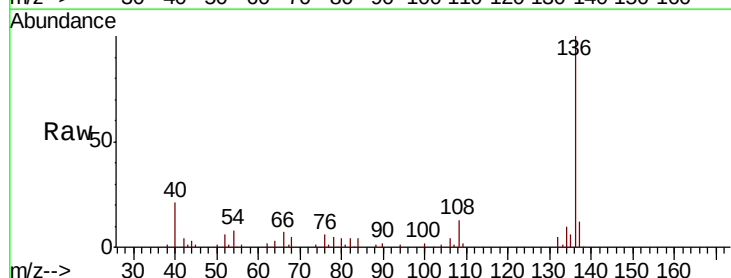
Ion Ratio Lower Upper

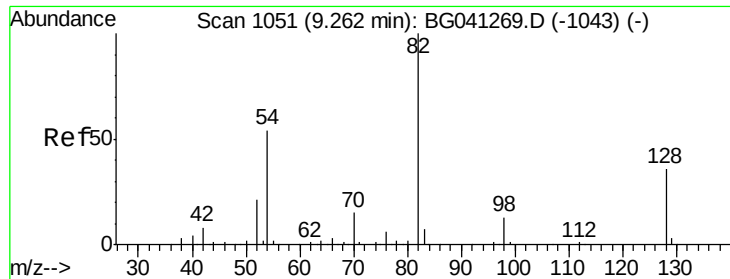
136 100

137 12.0 8.8 13.2

54 8.2 6.4 9.6

68 4.7 4.8 7.2#

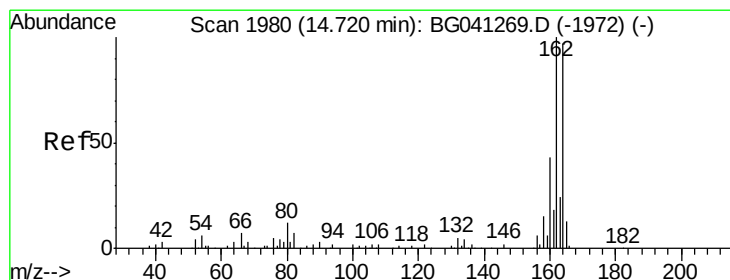
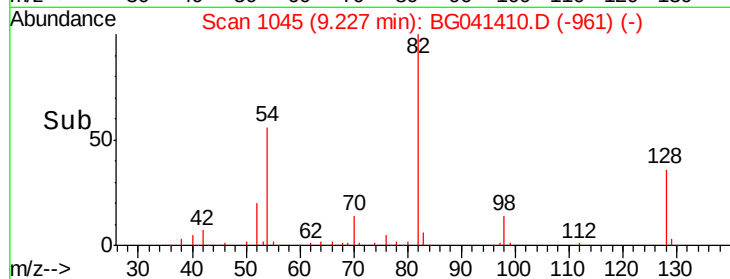
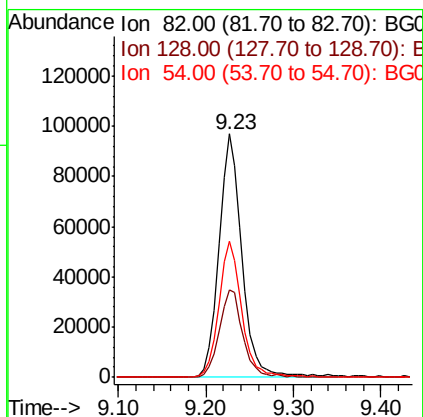
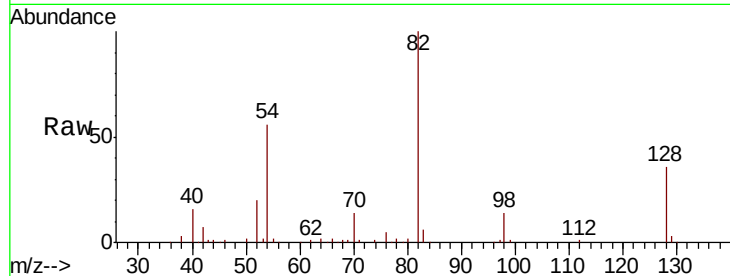




#23
Nitrobenzene-d5
Concen: 87.296 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG041410.D
Acq: 22 Jun 2019 19:30

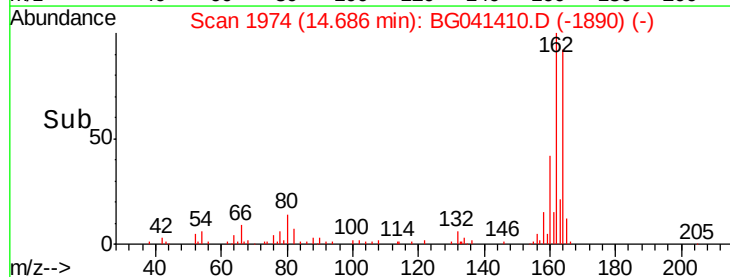
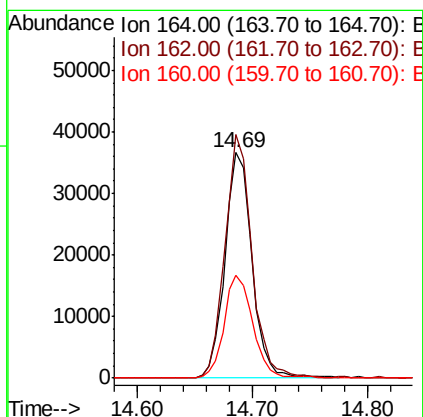
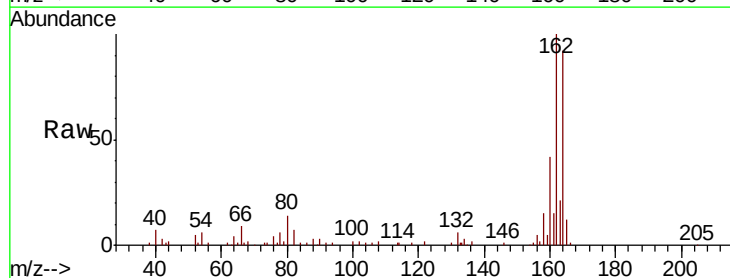
Instrument :
BNA_G
ClientSampleId :
SAMPLE-6

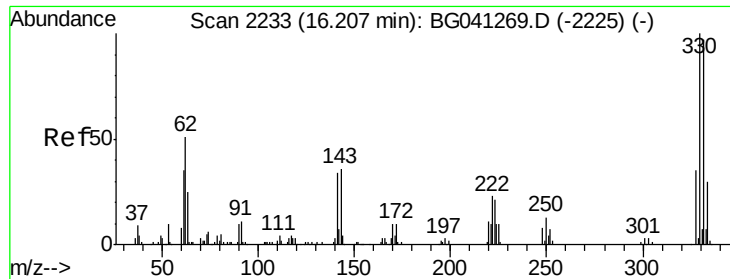
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.2	43.8
54	55.9	43.4	65.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.03 min
Lab File: BG041410.D
Acq: 22 Jun 2019 19:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.2	82.8	124.2
160	45.9	35.8	53.8

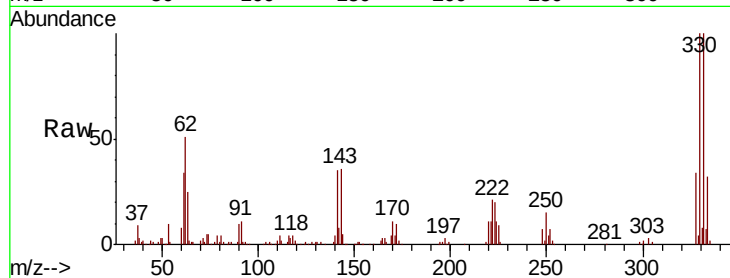




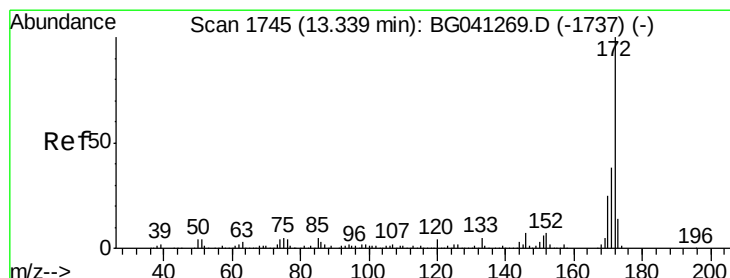
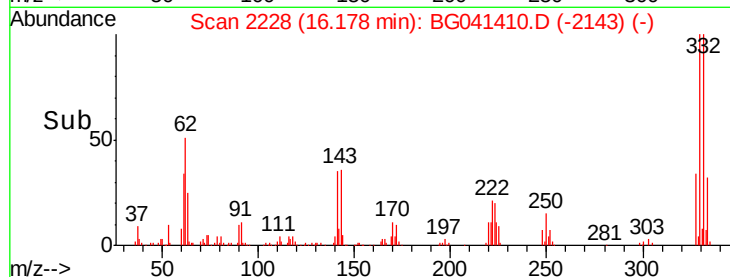
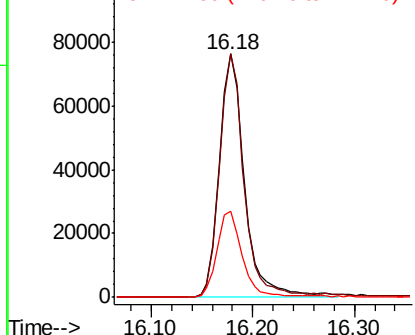
#42
 2,4,6-Tribromophenol
 Concen: 145.828 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.03 min
 Lab File: BG041410.D
 Acq: 22 Jun 2019 19:30

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-6

Tot Ion:330 Resp: 133002
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.5 113.3
 141 36.4 29.0 43.4

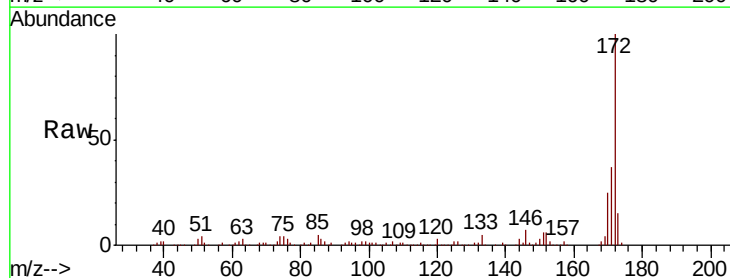


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

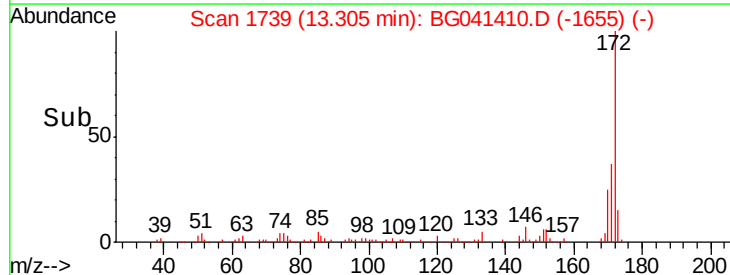
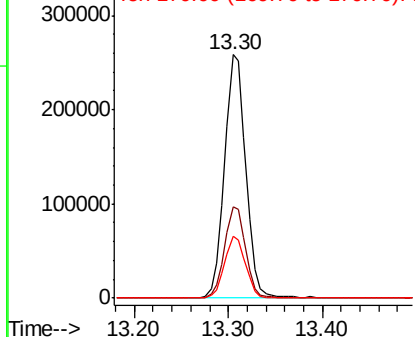


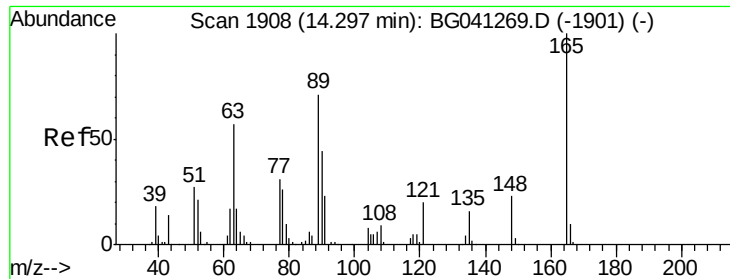
#45
 2-Fluorobiphenyl
 Concen: 93.284 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041410.D
 Acq: 22 Jun 2019 19:30

Tgt Ion:172 Resp: 407738
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 25.2 19.8 29.6



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

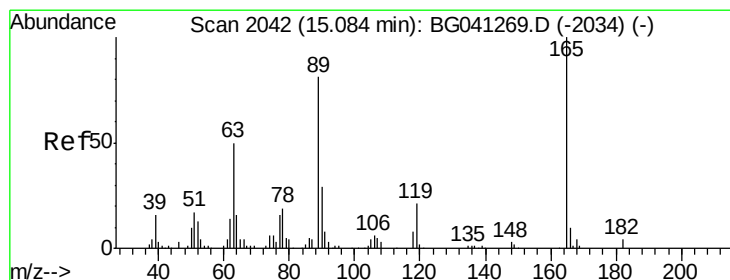
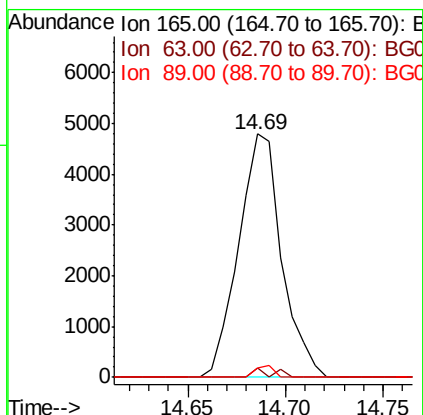
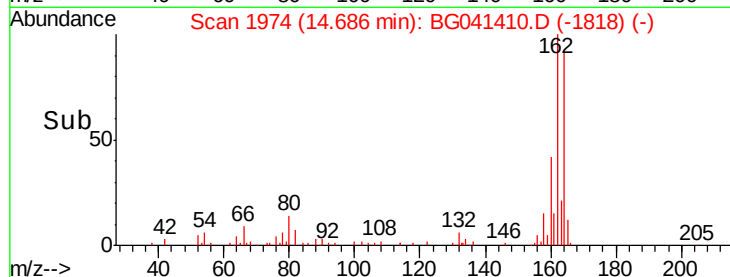
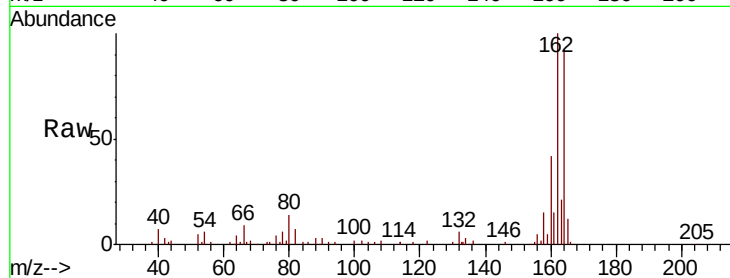




#51
2,6-Dinitrotoluene
Concen: 6.558 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.39 min
Lab File: BG041410.D
Acq: 22 Jun 2019 19:30

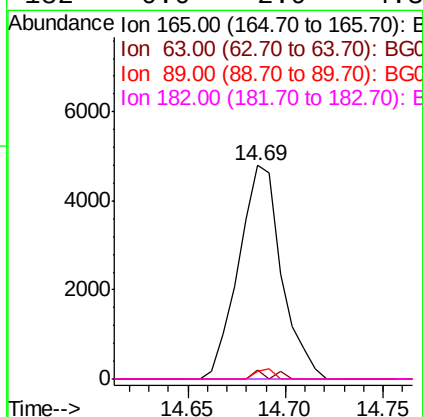
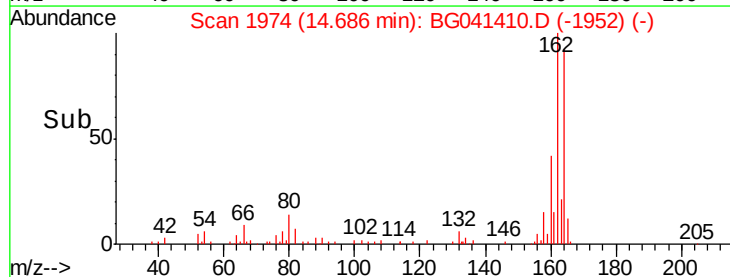
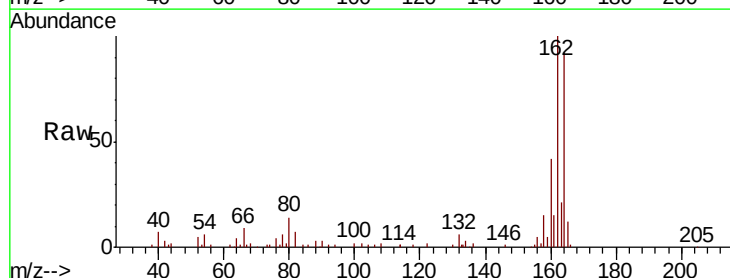
Instrument :
BNA_G
ClientSampleId :
SAMPLE-6

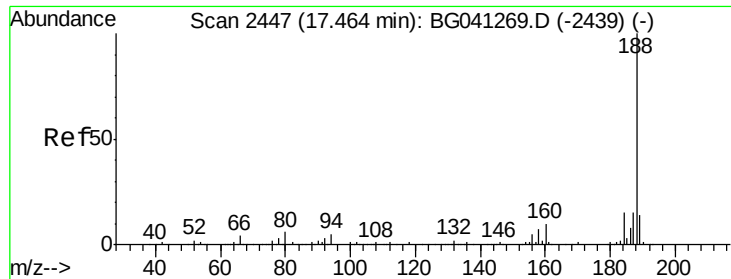
Tot Ion:165 Resp: 7309
Ion Ratio Lower Upper
165 100
63 3.9 55.4 83.0#
89 3.7 56.5 84.7#



#57
2,4-Dinitrotoluene
Concen: 4.486 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.40 min
Lab File: BG041410.D
Acq: 22 Jun 2019 19:30

Tgt Ion:165 Resp: 7309
Ion Ratio Lower Upper
165 100
63 3.9 40.0 60.0#
89 3.7 64.6 96.8#
182 0.0 2.9 4.3#

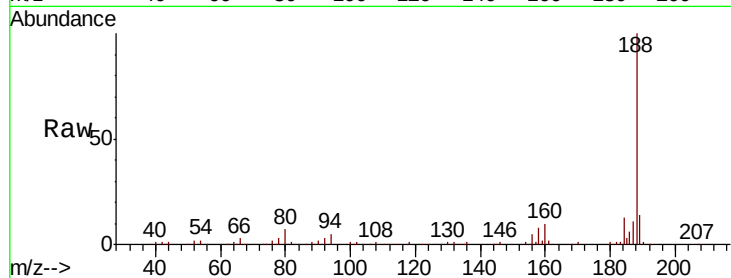




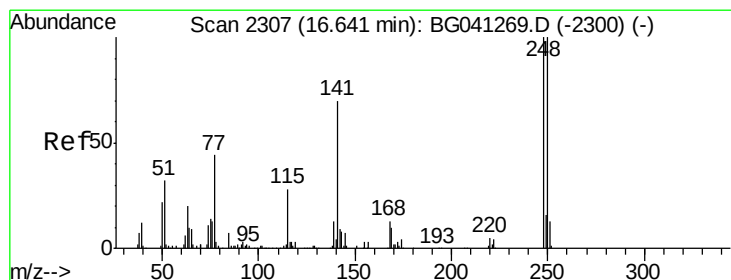
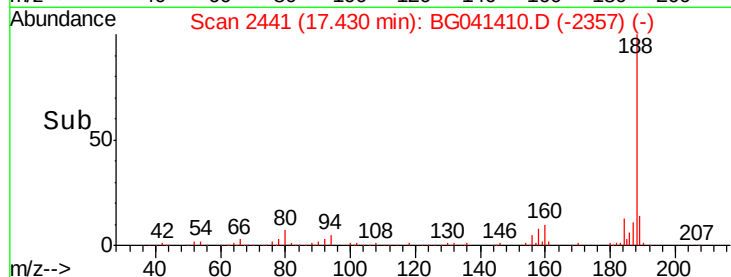
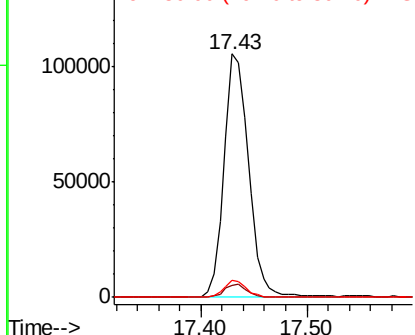
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.03 min
 Lab File: BG041410.D
 Acq: 22 Jun 2019 19:30

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-6

Tot Ion:188 Resp: 171260
 Ion Ratio Lower Upper
 188 100
 94 4.8 3.6 5.4
 80 6.8 4.8 7.2

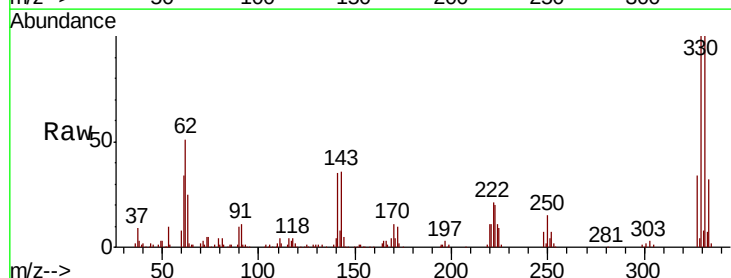


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

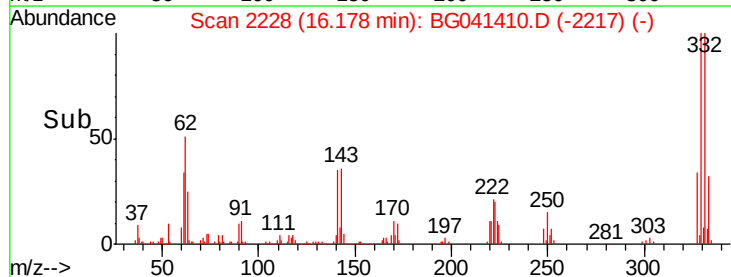
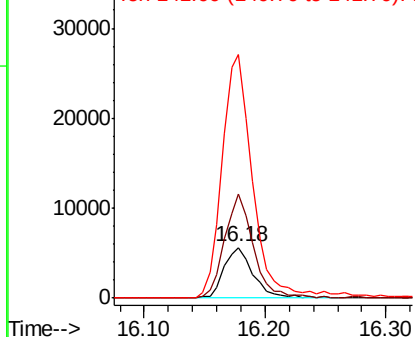


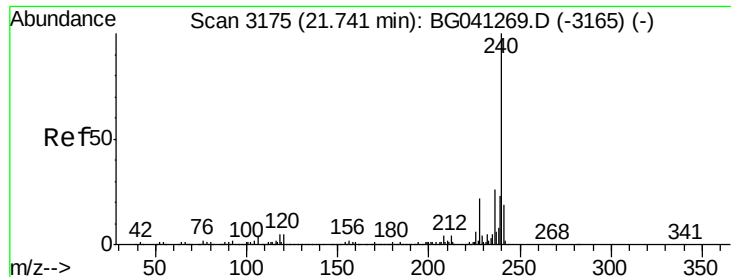
#67
 4-Bromophenyl-phenylether
 Concen: 4.289 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.46 min
 Lab File: BG041410.D
 Acq: 22 Jun 2019 19:30

Tgt Ion:248 Resp: 9498
 Ion Ratio Lower Upper
 248 100
 250 205.2 79.8 119.8#
 141 479.2 55.8 83.6#



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

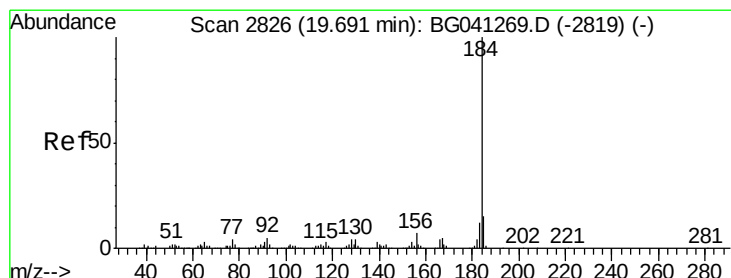
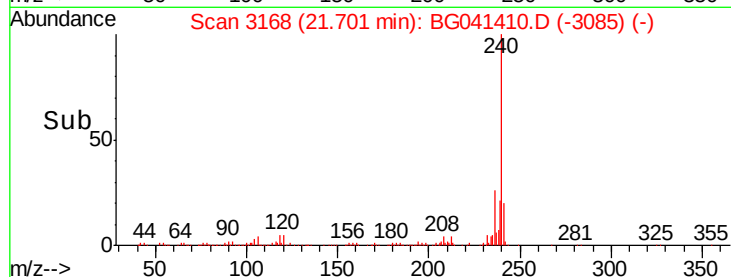
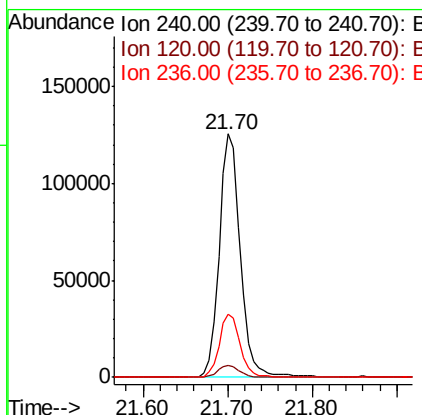
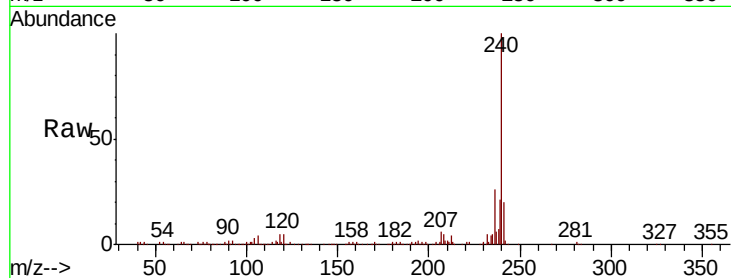




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041410.D
Acq: 22 Jun 2019 19:30

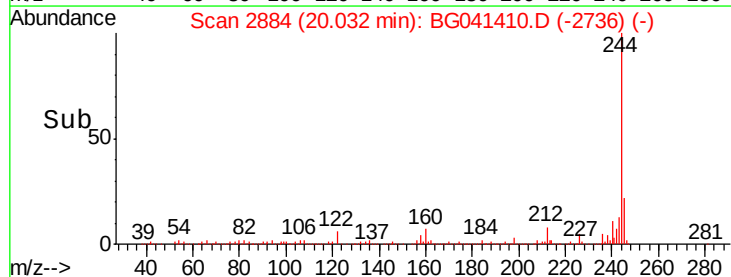
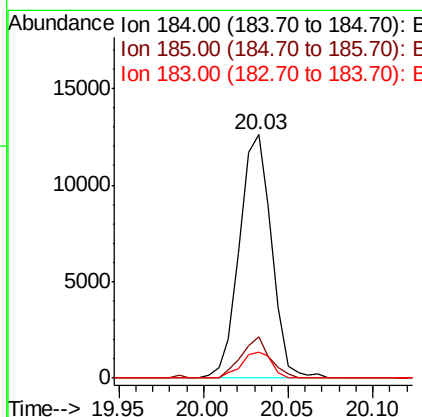
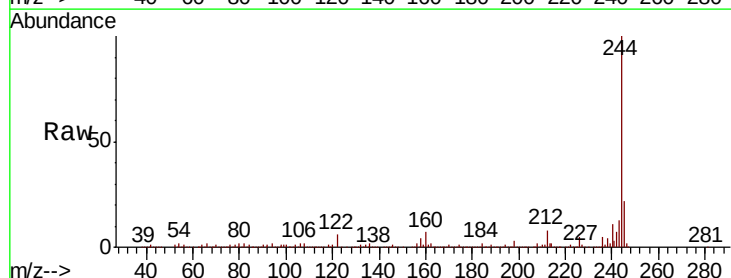
Instrument :
BNA_G
ClientSampleId :
SAMPLE-6

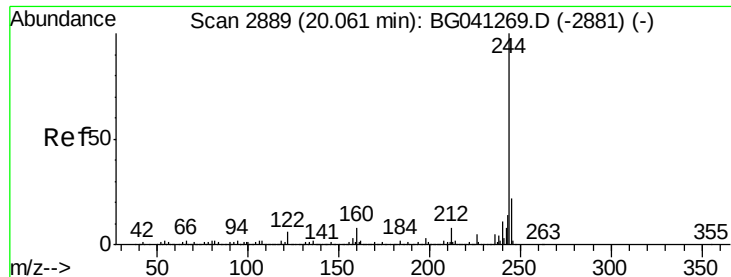
Tot Ion:240 Resp: 218577
Ion Ratio Lower Upper
240 100
120 5.0 3.7 5.5
236 25.8 21.1 31.7



#77
Benzidine
Concen: 3.170 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.34 min
Lab File: BG041410.D
Acq: 22 Jun 2019 19:30

Tgt Ion:184 Resp: 16757
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 10.6 9.6 14.4





#79

Terphenyl-d14

Concen: 91.409 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

Instrument :

BNA_G

ClientSampled :

SAMPLE-6

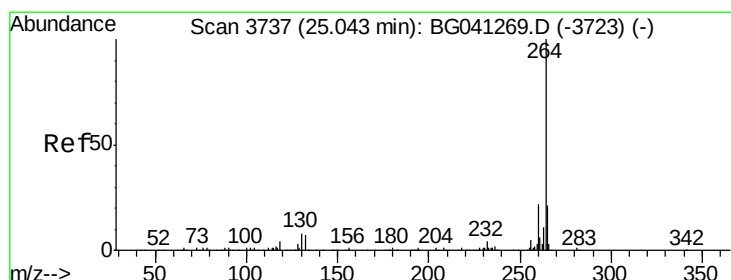
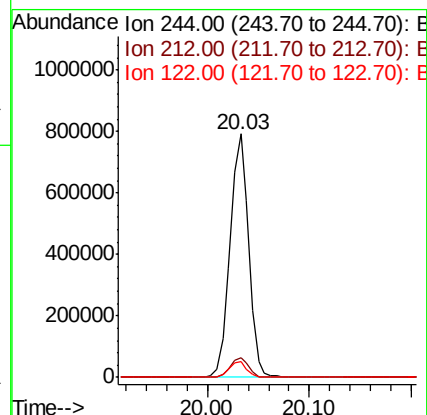
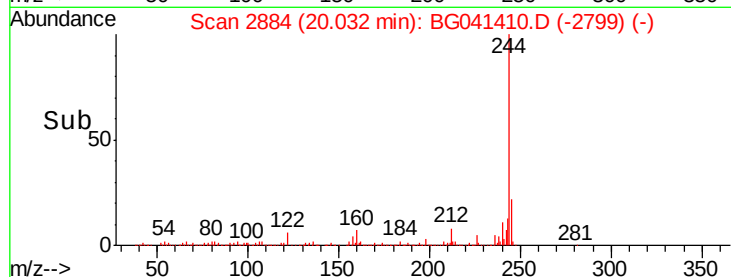
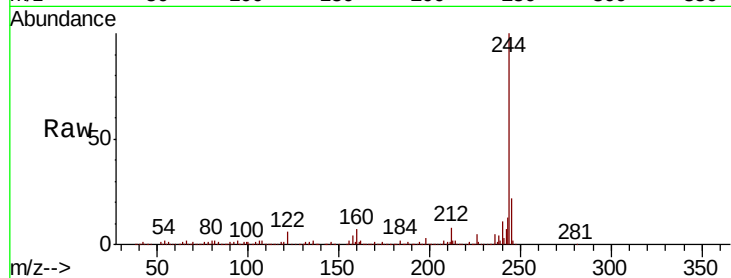
Tot Ion:244 Resp: 1008176

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

122 6.3 5.0 7.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG041410.D

Acq: 22 Jun 2019 19:30

Tgt Ion:264 Resp: 227654

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.2

265 20.3 17.2 25.8

