

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041411.D
 Acq On : 22 Jun 2019 20:08
 Operator : HP/JU
 Sample : K3352-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-12

Quant Time: Jun 24 02:10:25 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

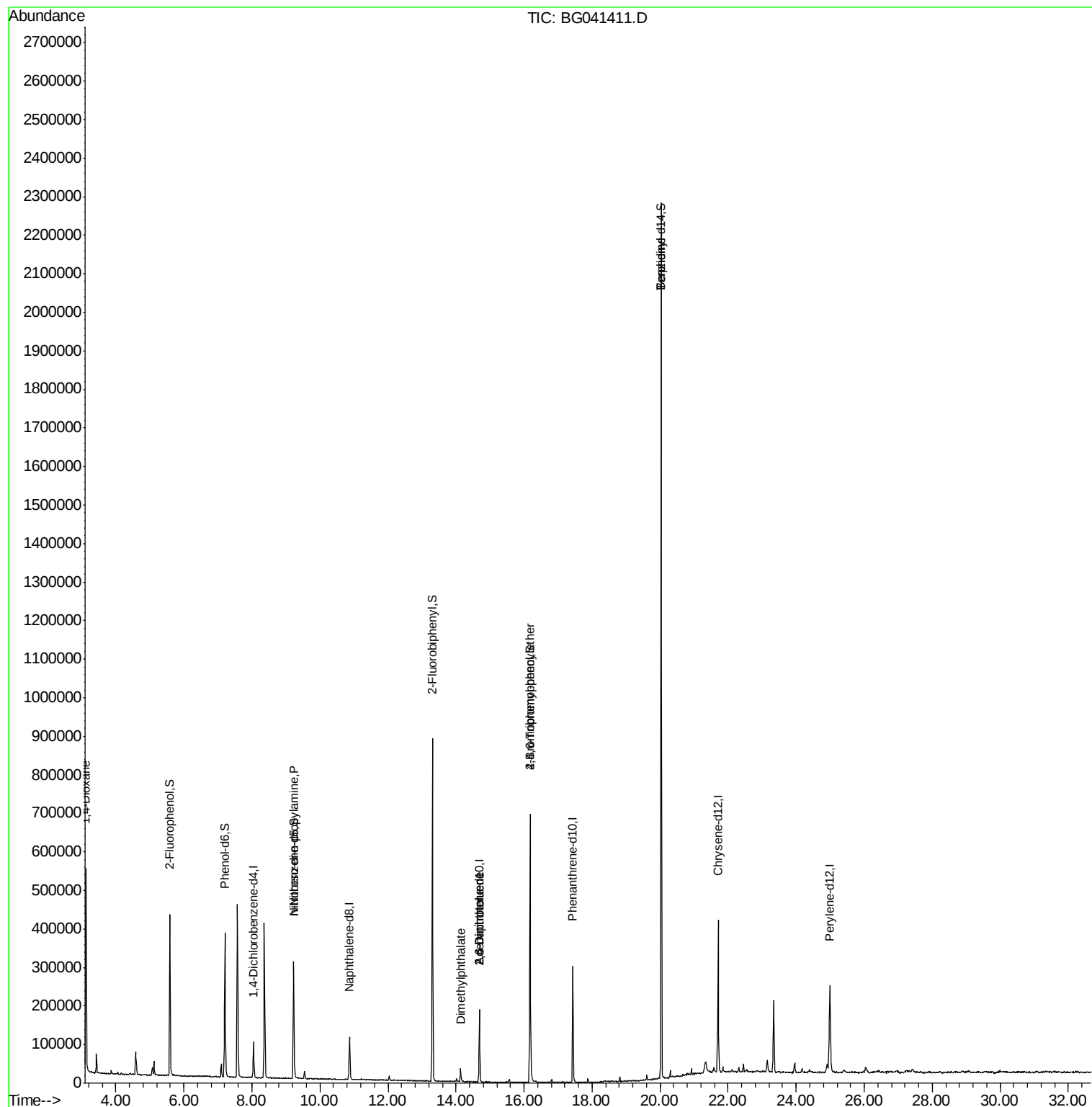
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25826	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	95341	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	67862	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	191431	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	243187	20.00	ng	-0.04
87) Perylene-d12	24.99	264	255048	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	162926	115.92	ng	-0.03
7) Phenol-d6	7.20	99	201196	98.75	ng	-0.03
23) Nitrobenzene-d5	9.22	82	193593	85.40	ng	-0.04
42) 2,4,6-Tribromophenol	16.18	330	141797	136.10	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	452076	90.54	ng	-0.03
79) Terphenyl-d14	20.03	244	1087156	88.60	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.12	88	5046	7.159	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	28368	17.216	ng	# 74
50) Dimethylphthalate	14.14	163	26302	4.356	ng	# 94
51) 2,6-Dinitrotoluene	14.69	165	8990	7.061	ng	# 15
57) 2,4-Dinitrotoluene	14.69	165	8990	4.830	ng	# 18
67) 4-Bromophenyl-phenylether	16.18	248	10372	4.190	ng	# 1
77) Benzidine	20.03	184	17716	3.012	ng	95

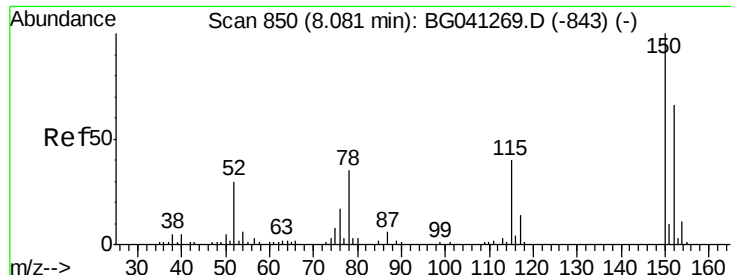
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 17 14:58:02 2019
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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: BG041411.D

Acq: 22 Jun 2019 20:08

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-12

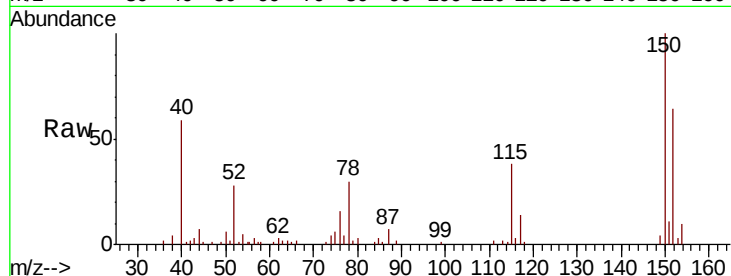
Tot Ion:152 Resp: 25826

Ion Ratio Lower Upper

152 100

150 156.7 120.6 181.0

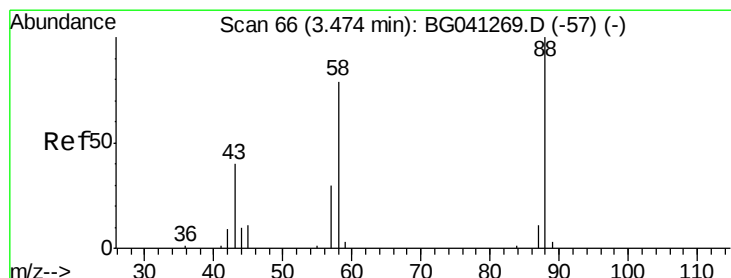
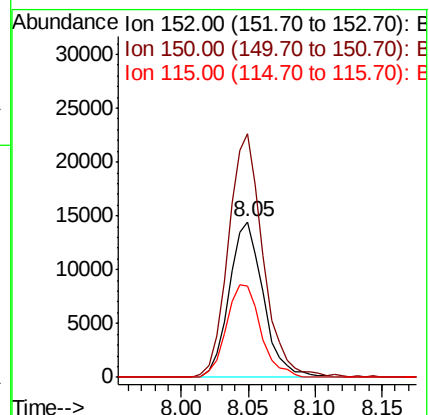
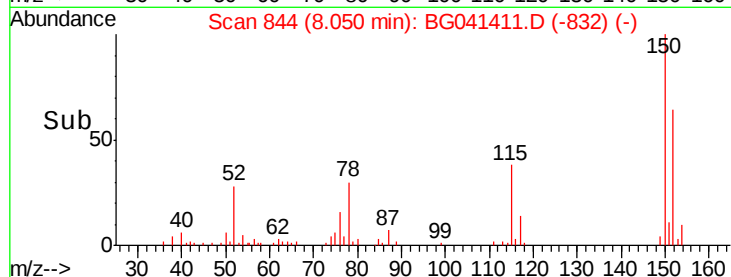
115 58.9 47.9 71.9



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: 7.159 ng

RT: 3.12 min Scan# 5

Delta R.T. -0.35 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

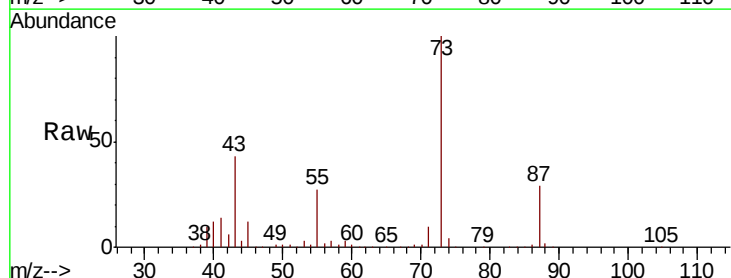
Tgt Ion: 88 Resp: 5046

Ion Ratio Lower Upper

88 100

58 43.2 59.7 89.5#

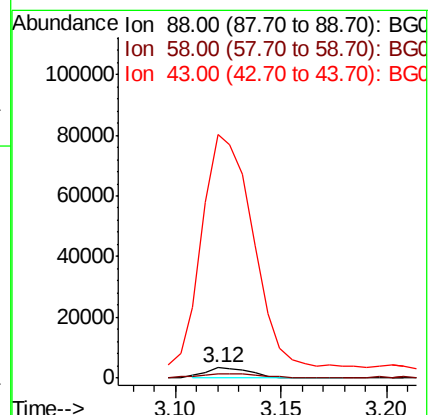
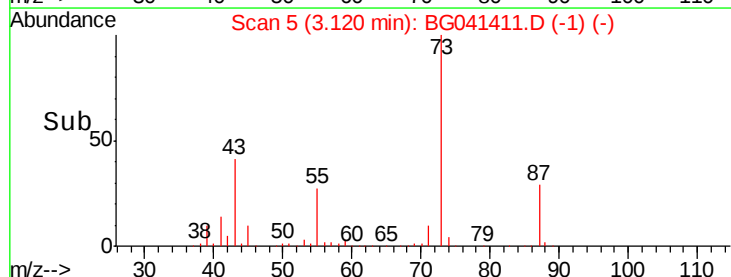
43 2351.8 31.9 47.9#

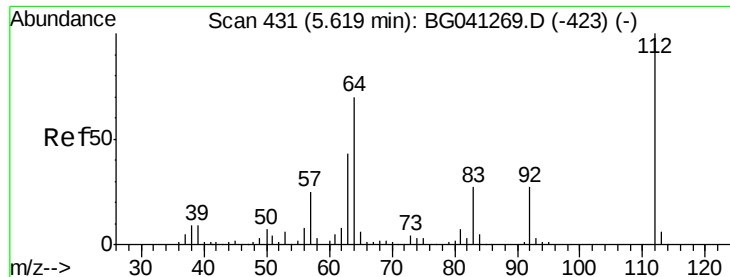


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 115.915 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-12

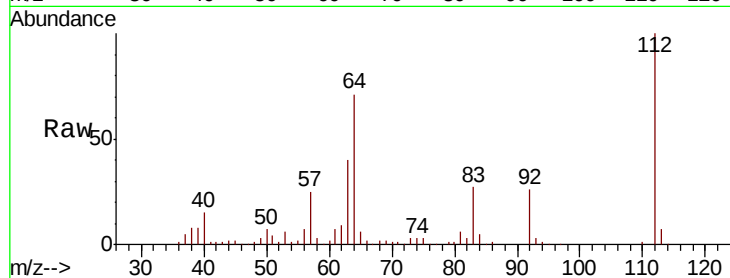
Tot Ion:112 Resp: 162926

Ion Ratio Lower Upper

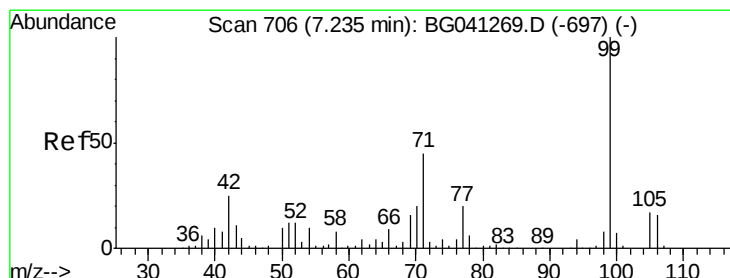
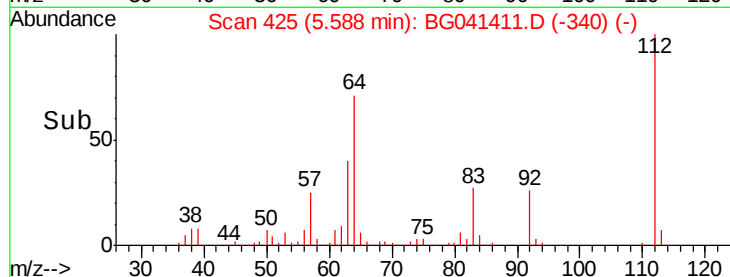
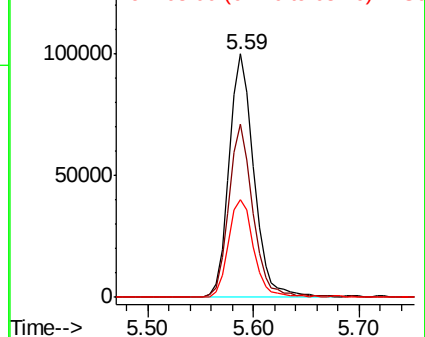
112 100

64 71.0 55.9 83.9

63 40.1 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: 98.753 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

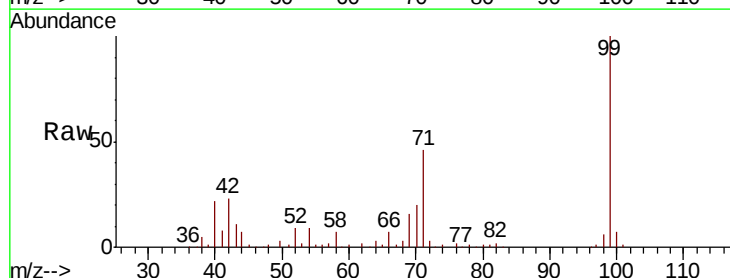
Tgt Ion: 99 Resp: 201196

Ion Ratio Lower Upper

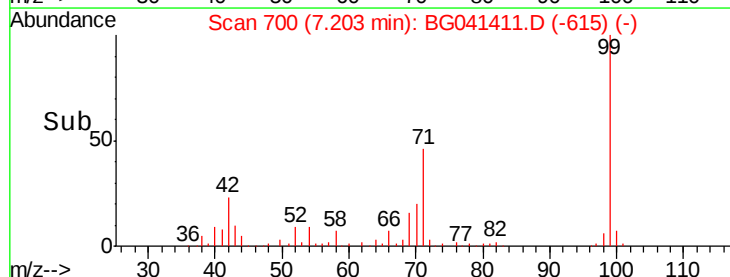
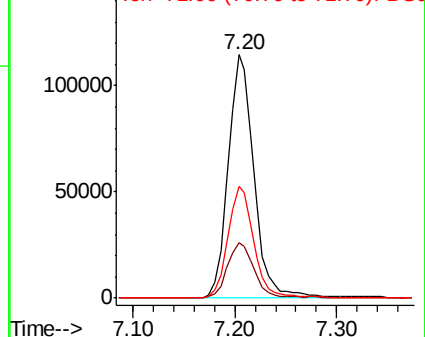
99 100

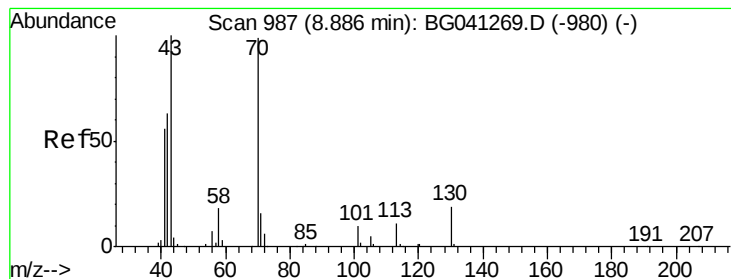
42 22.7 19.9 29.9

71 45.9 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: 17.216 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-12

Tot Ion: 70 Resp: 28368

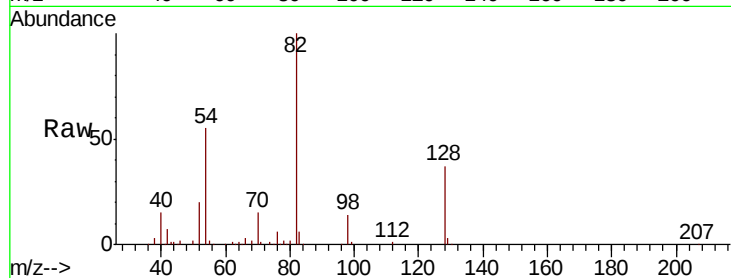
Ion Ratio Lower Upper

70 100

42 47.0 51.4 77.2#

101 0.0 8.2 12.2#

130 1.3 15.2 22.8#

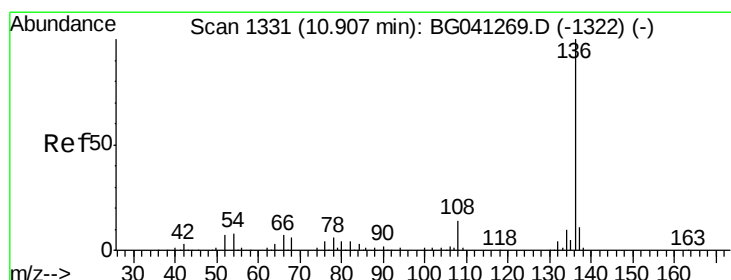
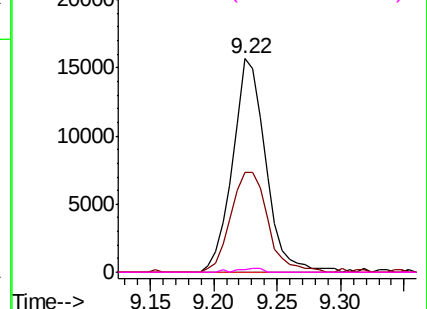
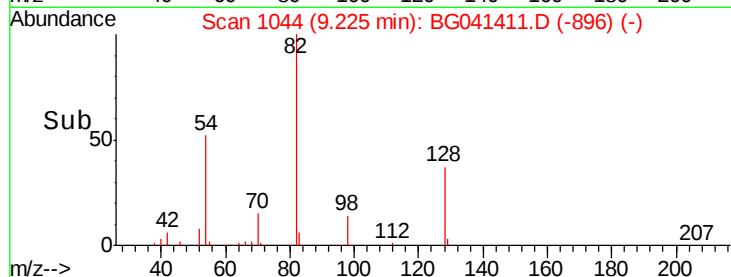


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.87 min Scan# 1324

Delta R.T. -0.04 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

Tgt Ion:136 Resp: 95341

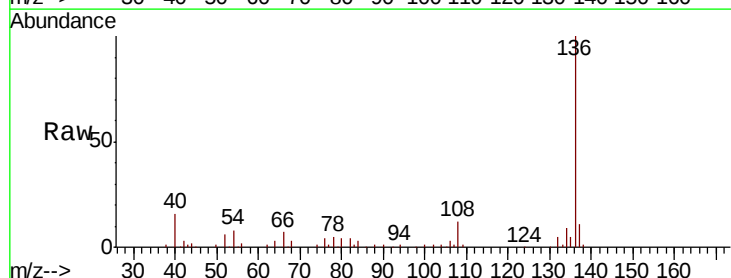
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.2 6.4 9.6

68 3.3 4.8 7.2#

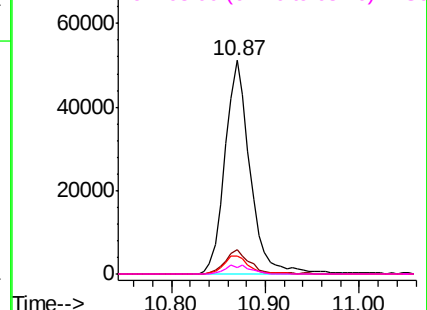
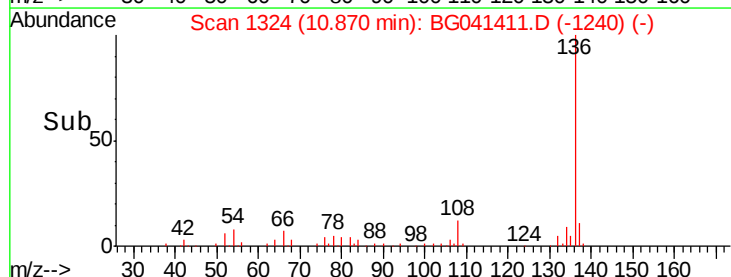


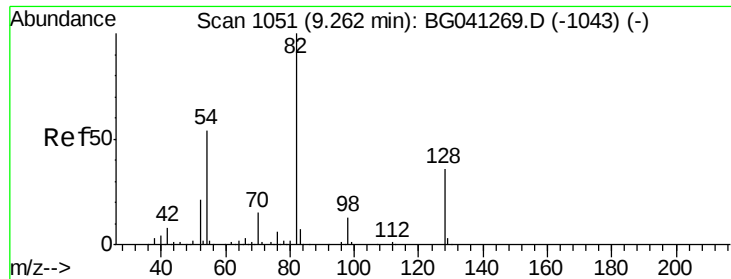
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

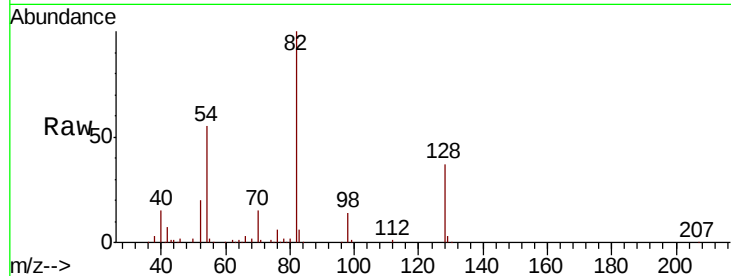




#23
 Nitrobenzene-d5
 Concen: 85.397 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.04 min
 Lab File: BG041411.D
 Acq: 22 Jun 2019 20:08

Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-12

Tot Ion	82	Resp	193593
Ion Ratio	Lower	Upper	
82	100		
128	36.8	29.2	43.8
54	54.7	43.4	65.0

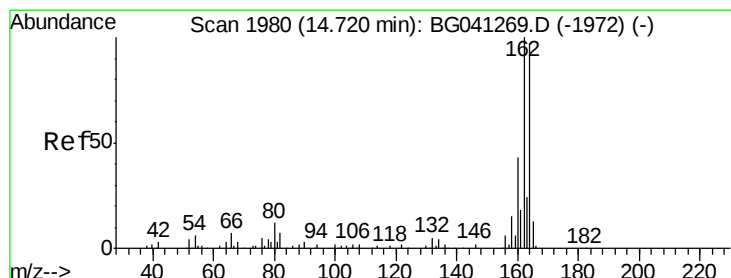
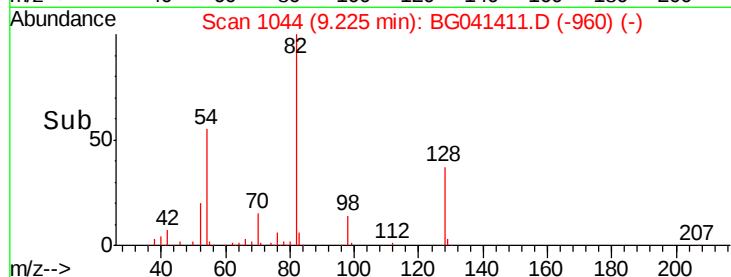
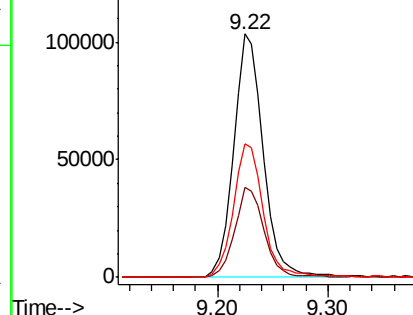


Abundance

Ion 82.00 (81.70 to 82.70): BGC

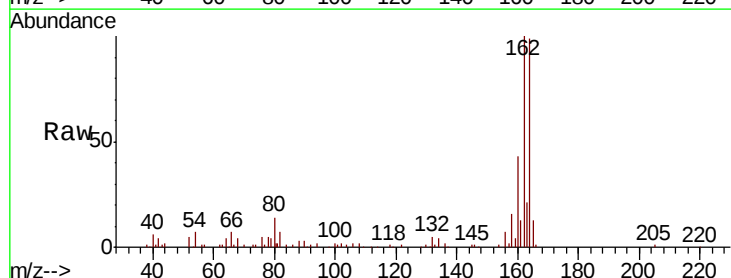
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.04 min
 Lab File: BG041411.D
 Acq: 22 Jun 2019 20:08

Tgt Ion	164	Resp	67862
Ion Ratio	Lower	Upper	
164	100		
162	101.2	82.8	124.2
160	43.1	35.8	53.8

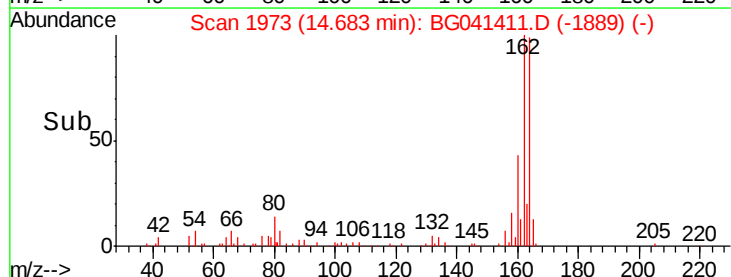
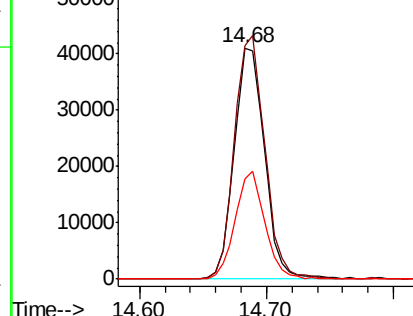


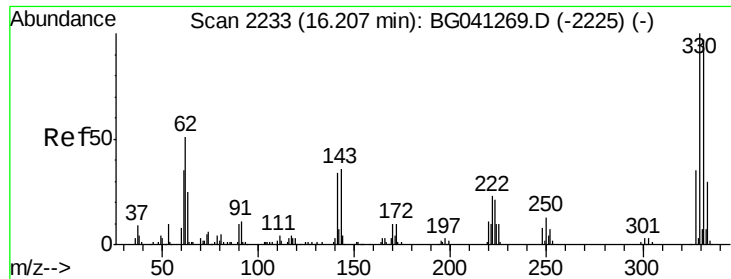
Abundance

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

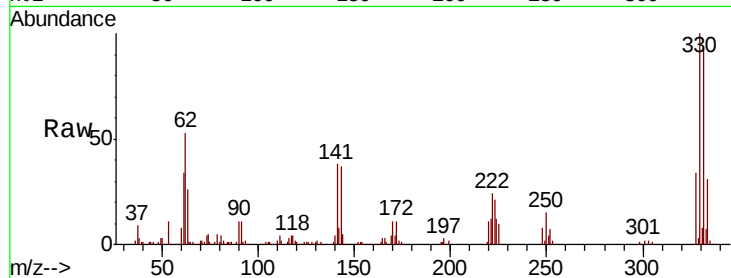




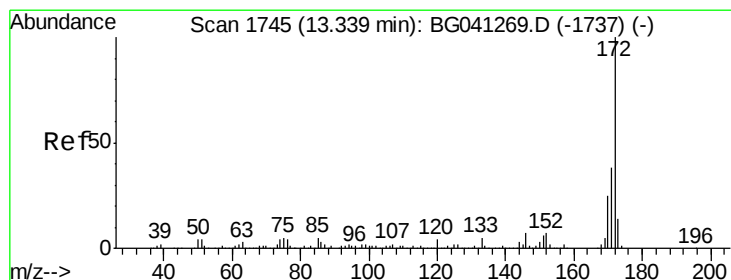
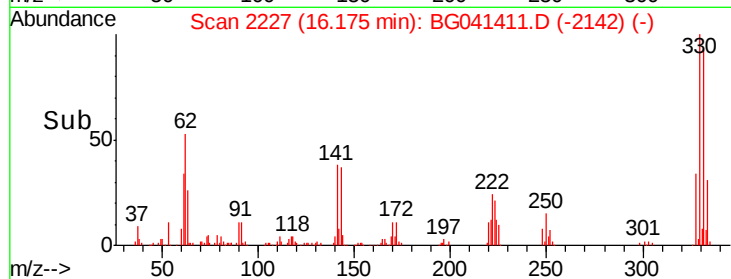
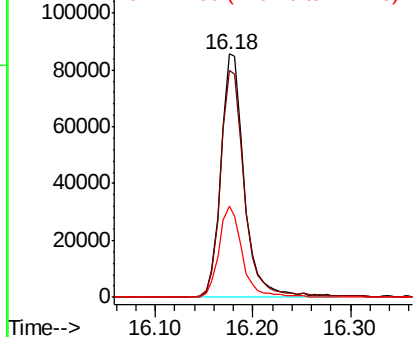
#42
 2,4,6-Tribromophenol
 Concen: 136.104 ng
 RT: 16.18 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BG041411.D
 Acq: 22 Jun 2019 20:08

Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-12

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.5	113.3
141	37.5	29.0	43.4

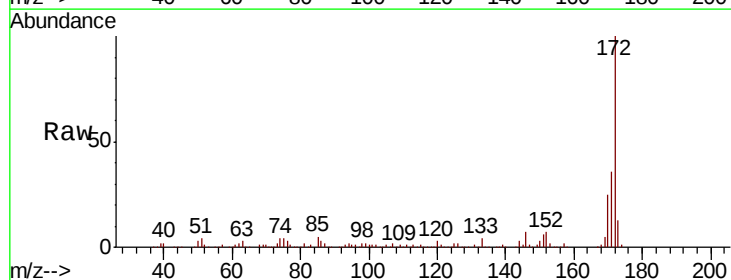


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

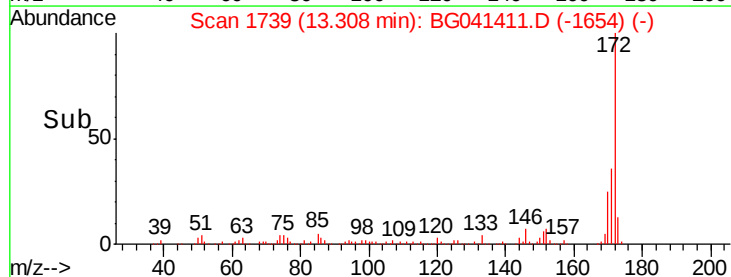
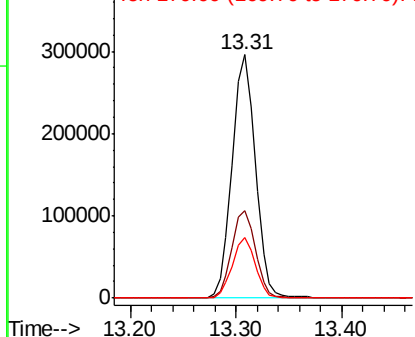


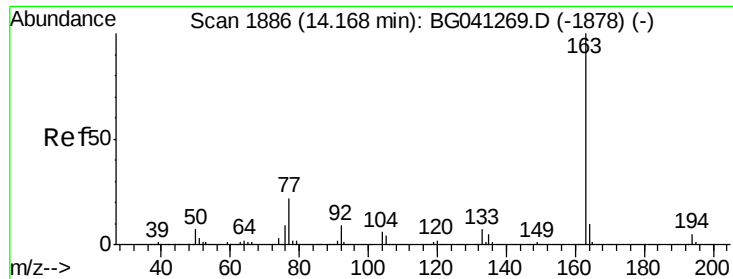
#45
 2-Fluorobiphenyl
 Concen: 90.543 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041411.D
 Acq: 22 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.0	45.0
170	25.0	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





#50

Dimethylphthalate

Concen: 4.356 ng

RT: 14.14 min Scan# 1880

Delta R.T. -0.03 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-12

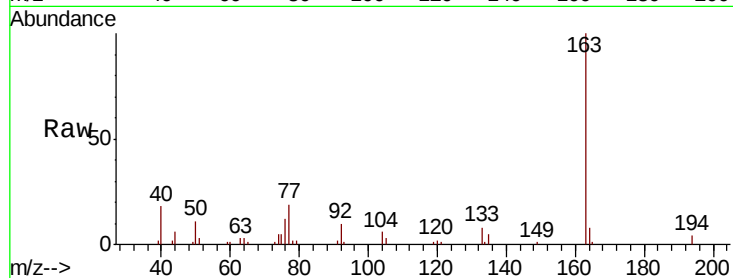
Tot Ion:163 Resp: 26302

Ion Ratio Lower Upper

163 100

194 3.8 3.9 5.9#

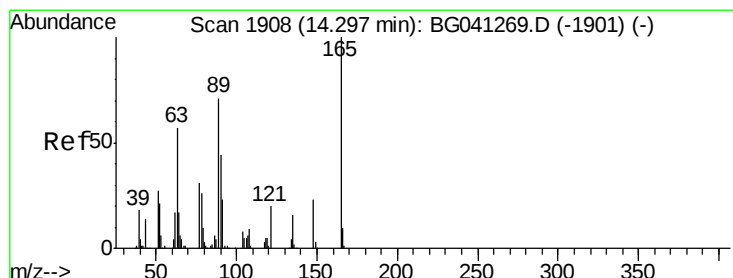
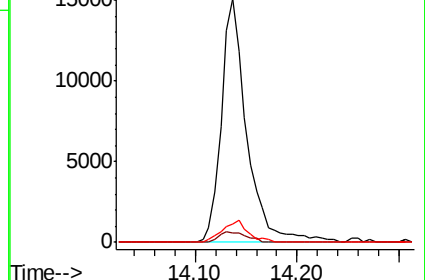
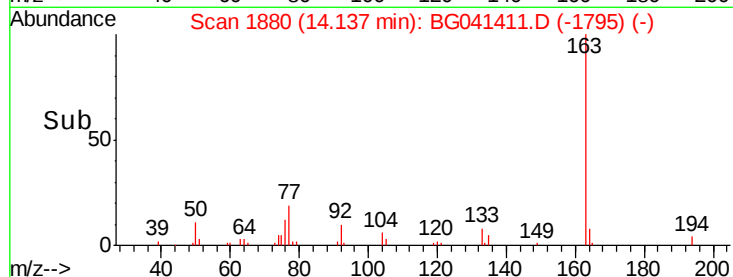
164 7.6 8.3 12.5#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.061 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.39 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

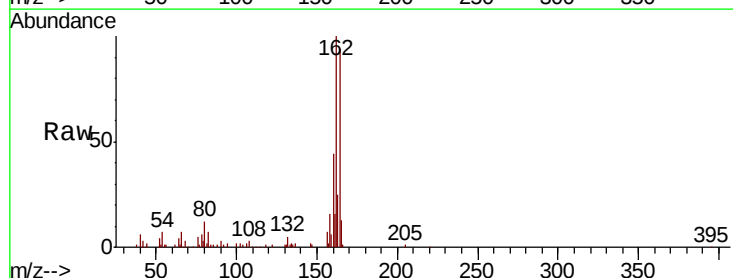
Tgt Ion:165 Resp: 8990

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

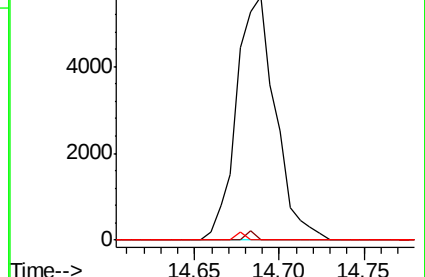
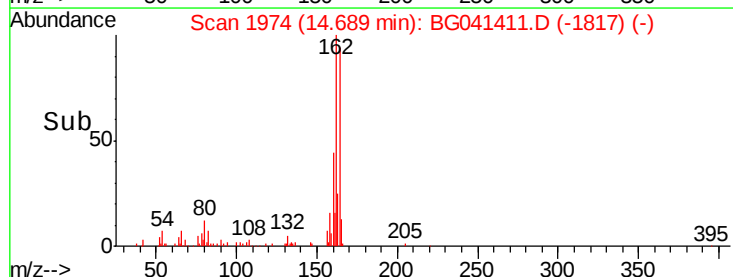
89 0.0 56.5 84.7#

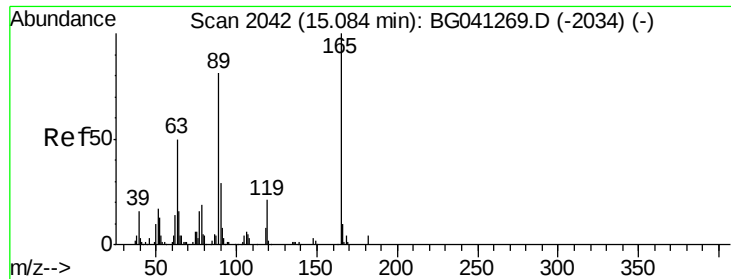


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

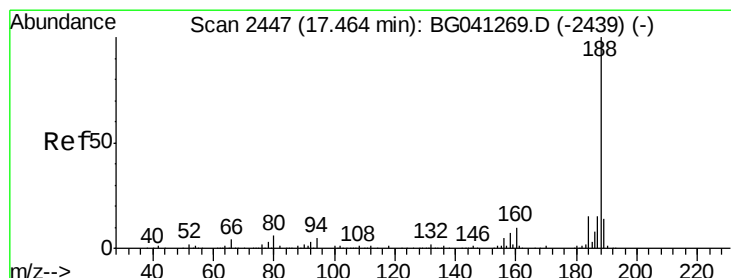
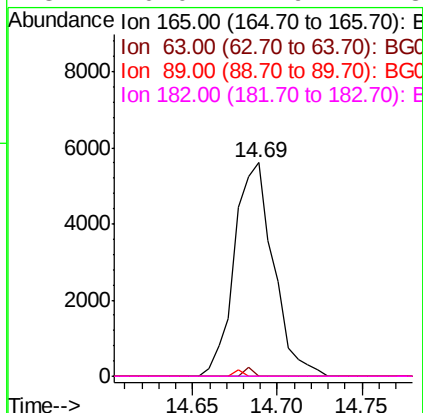
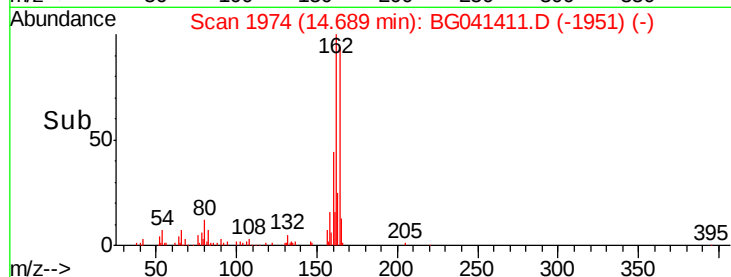
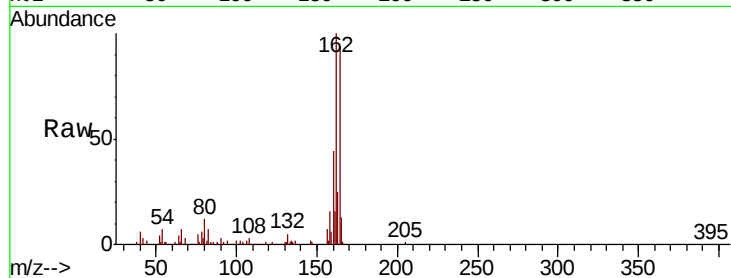




#57
 2,4-Dinitrotoluene
 Concen: 4.830 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.40 min
 Lab File: BG041411.D
 Acq: 22 Jun 2019 20:08

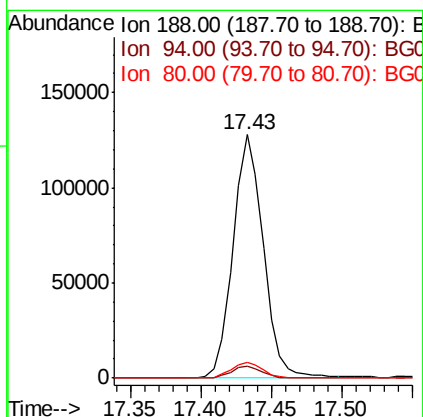
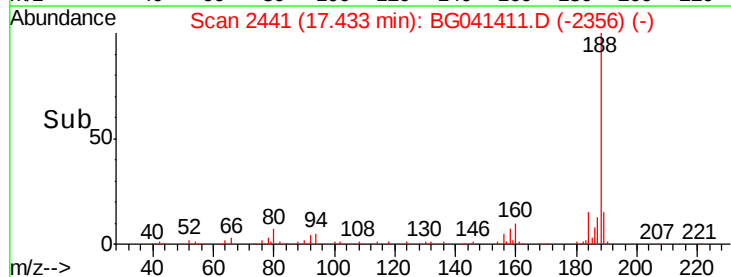
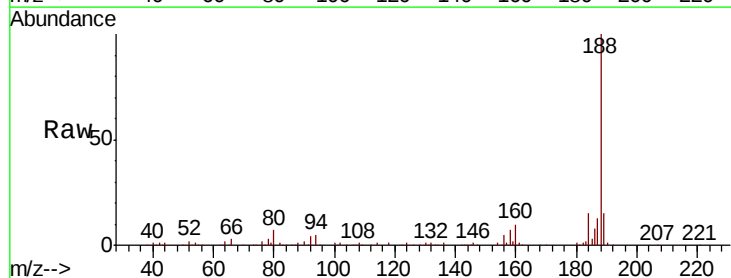
Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-12

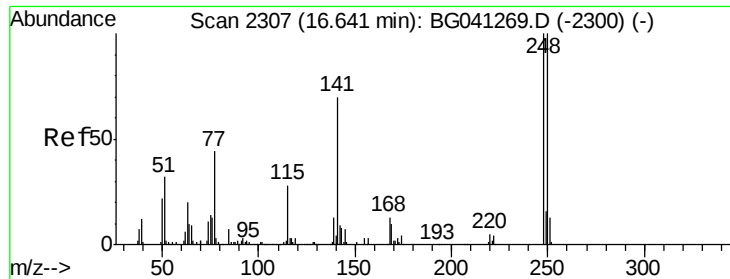
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	0.0	64.6	96.8#
182	0.0	2.9	4.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.03 min
 Lab File: BG041411.D
 Acq: 22 Jun 2019 20:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.7	3.6	5.4
80	6.6	4.8	7.2

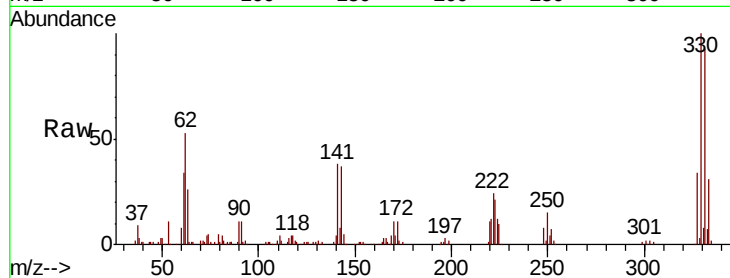




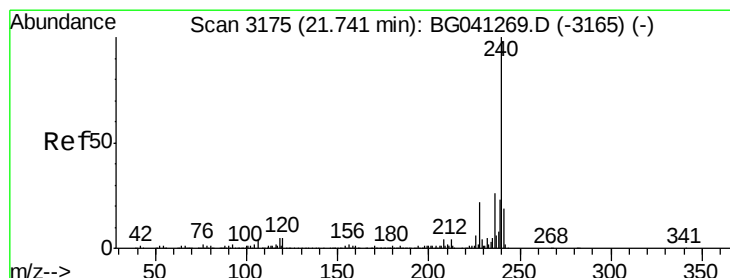
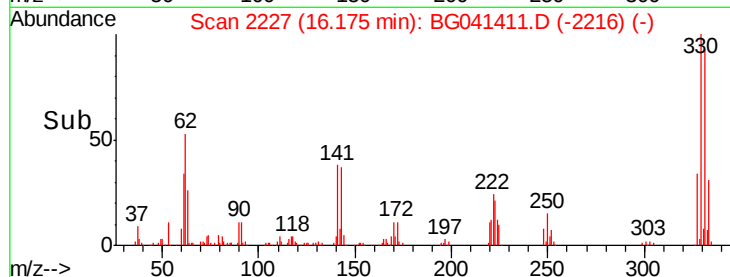
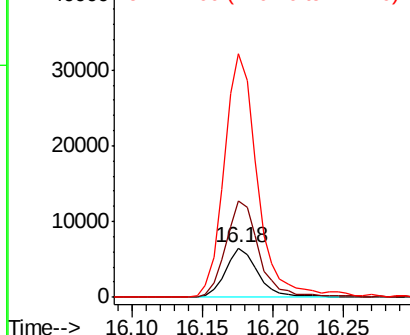
#67
4-Bromophenyl-phenylether
Concen: 4.190 ng
RT: 16.18 min Scan# 2227
Delta R.T. -0.47 min
Lab File: BG041411.D
Acq: 22 Jun 2019 20:08

Instrument :
BNA_G
ClientSampleId :
20190612-LOC-12

Tot Ion:248 Resp: 10372
Ion Ratio Lower Upper
248 100
250 195.7 79.8 119.8#
141 493.3 55.8 83.6#

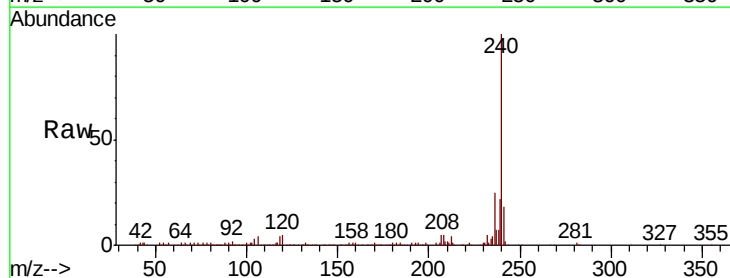


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

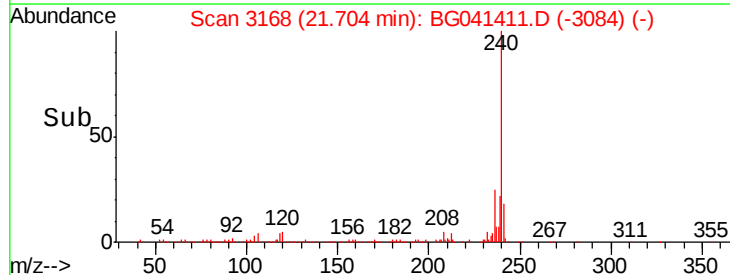
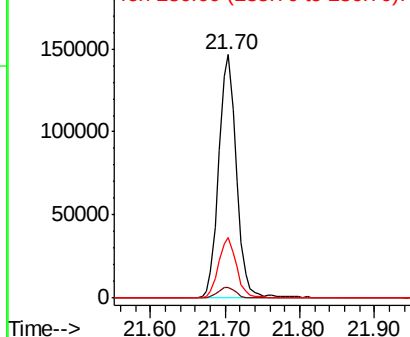


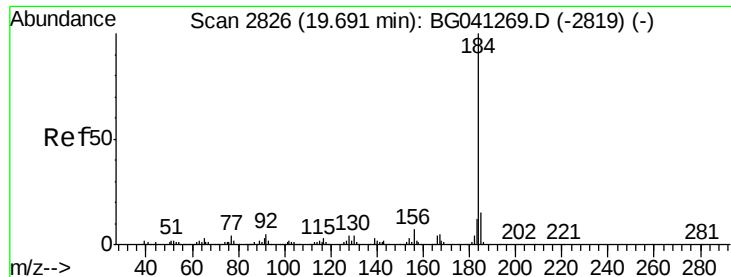
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041411.D
Acq: 22 Jun 2019 20:08

Tgt Ion:240 Resp: 243187
Ion Ratio Lower Upper
240 100
120 4.6 3.7 5.5
236 25.1 21.1 31.7



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





#77

Benzidine

Concen: 3.012 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.34 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-12

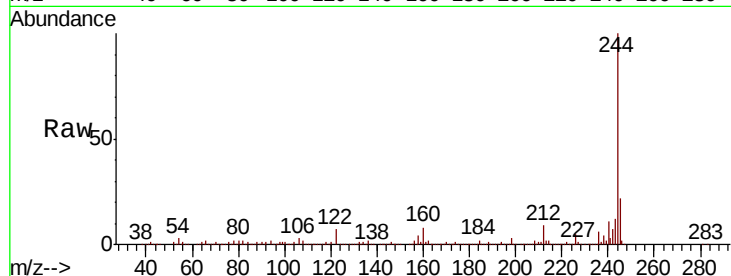
Tot Ion:184 Resp: 17716

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.2

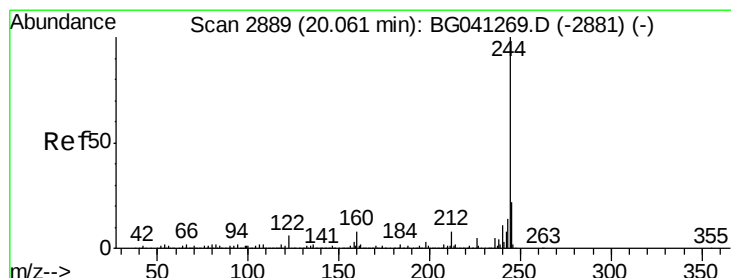
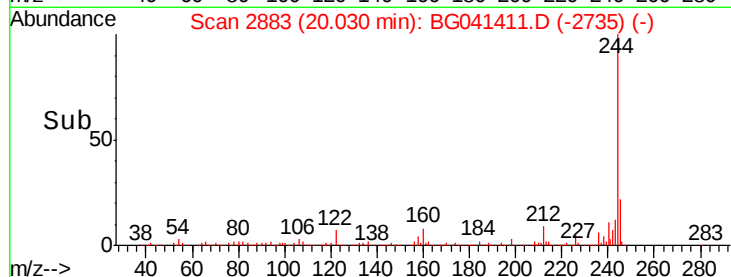
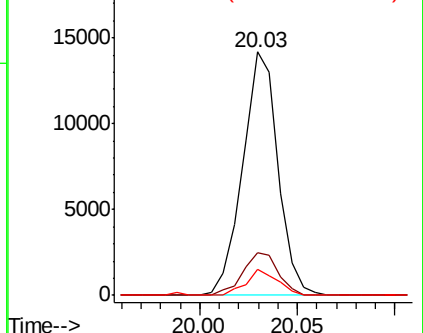
183 10.5 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.595 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041411.D

Acq: 22 Jun 2019 20:08

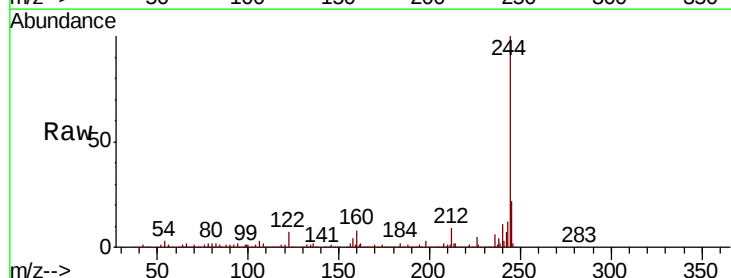
Tgt Ion:244 Resp: 1087156

Ion Ratio Lower Upper

244 100

212 8.7 6.6 10.0

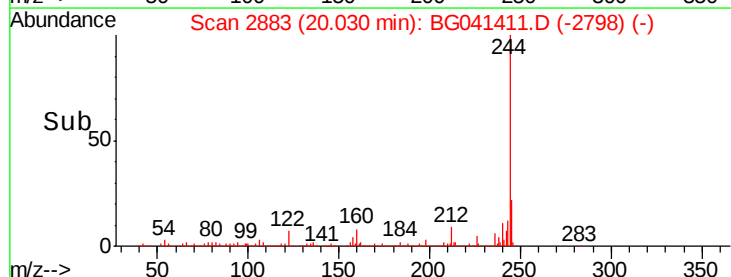
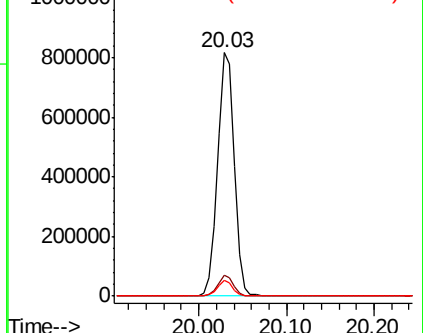
122 6.7 5.0 7.4

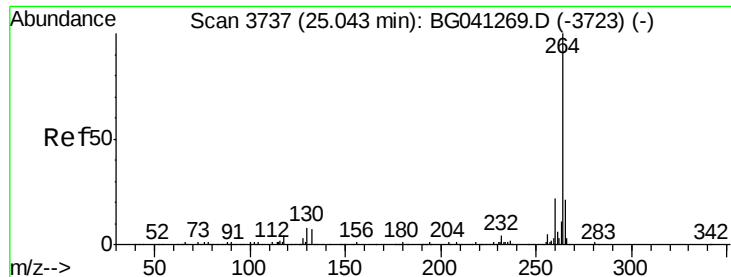


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3727
 Delta R.T. -0.05 min
 Lab File: BG041411.D
 Acq: 22 Jun 2019 20:08

Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-12

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.2
265	22.2	17.2	25.8

