

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100419\
 Data File : BG043044.D
 Acq On : 5 Oct 2019 1:17
 Operator : JU
 Sample : K5154-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-105D

Quant Time: Oct 05 04:54:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

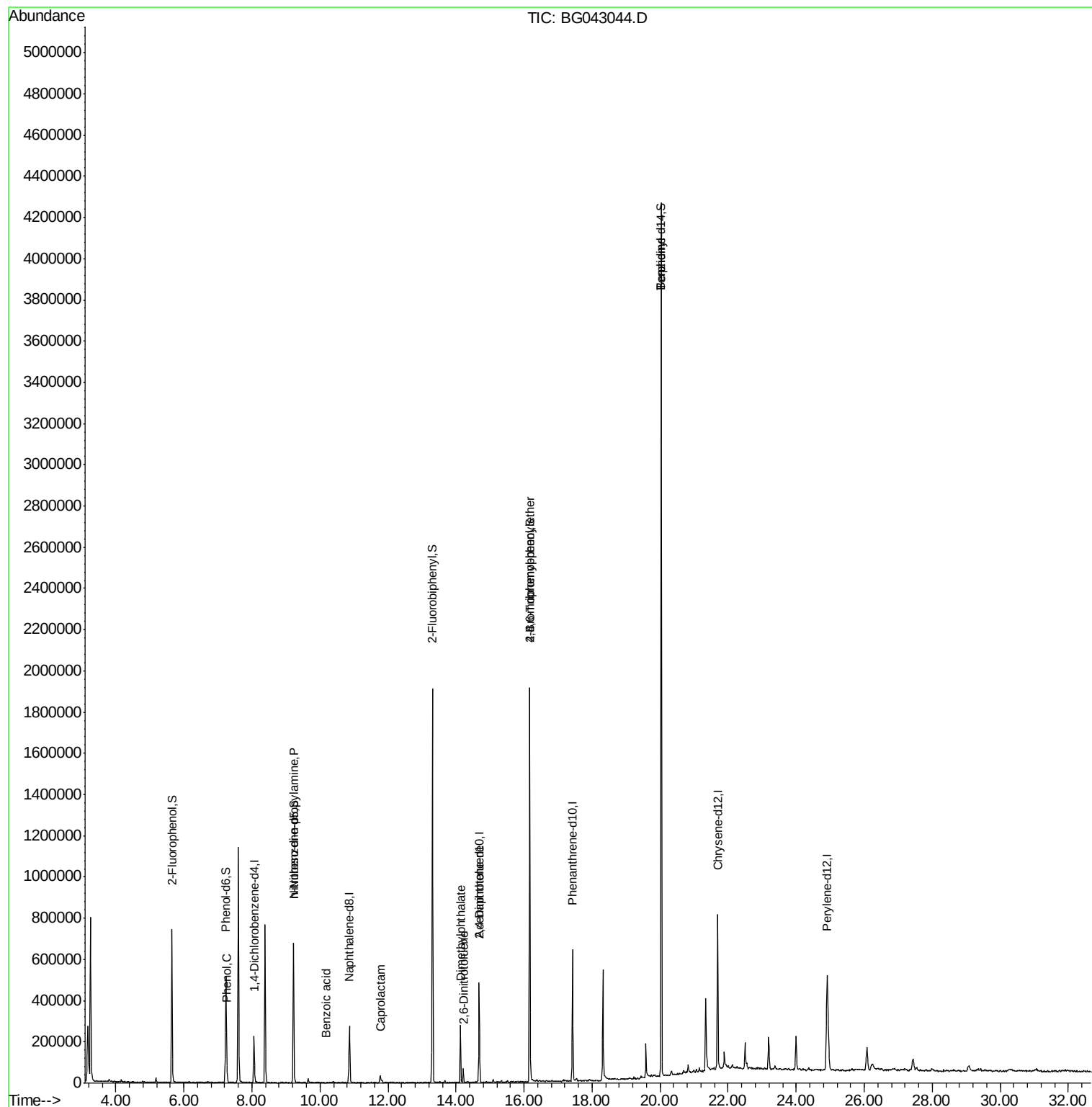
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	63532	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	236684	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	171037	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	405199	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	447946	20.00	ng	-0.03
87) Perylene-d12	24.91	264	521931	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	319845	89.84	ng	-0.01
7) Phenol-d6	7.23	99	297855	58.10	ng	-0.01
23) Nitrobenzene-d5	9.22	82	419882	86.23	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	409147	139.11	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1018285	86.31	ng	-0.02
79) Terphenyl-d14	20.03	244	2016231	95.91	ng	-0.01
Target Compounds						
10) Phenol	7.26	94	44227	9.403	ng	92
19) n-Nitroso-di-n-propylamine	9.22	70	59210	17.589	ng	# 67
32) Benzoic acid	10.18	122	65	2.828	ng	# 1
35) Caprolactam	11.77	113	8081	6.068	ng	# 56
50) Dimethylphthalate	14.13	163	178402	13.921	ng	99
51) 2,6-Dinitrotoluene	14.22	165	11210	4.108	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	21864	5.471	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	27970	5.500	ng	# 1
77) Benzidine	20.03	184	33541	2.990	ng	# 92

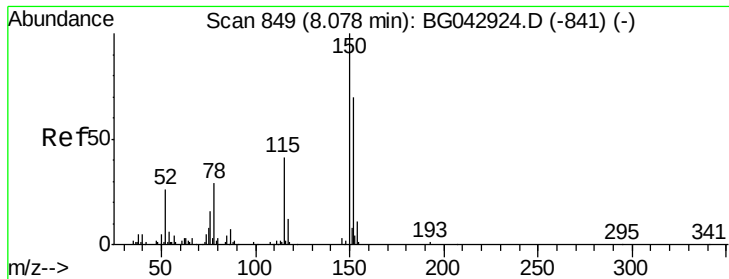
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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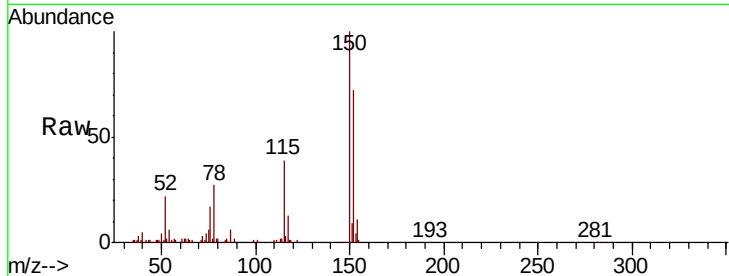


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 847
Delta R.T. -0.01 min
Lab File: BG043044.D
Acq: 5 Oct 2019 1:17

Instrument :
BNA_G
ClientSampleId :
MW-105D

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.7	115.0	172.4
115	54.6	47.0	70.6

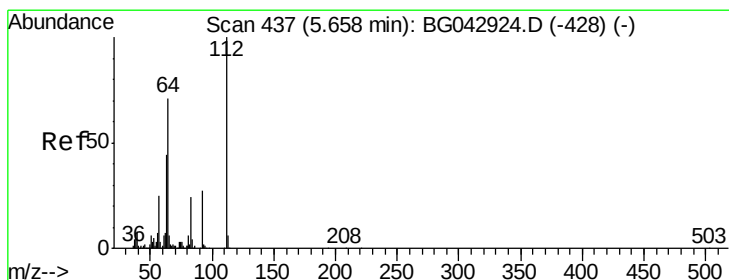
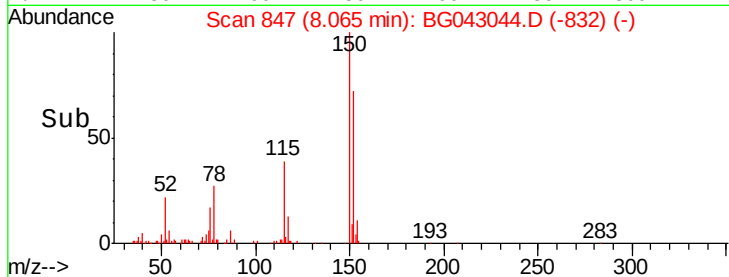
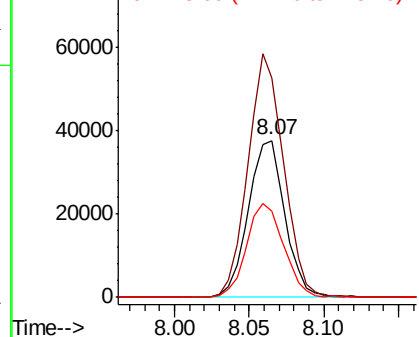


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

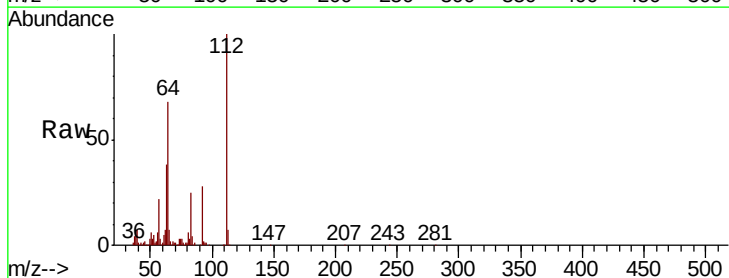
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.845 ng
RT: 5.64 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043044.D
Acq: 5 Oct 2019 1:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	56.6	84.8
63	38.0	35.1	52.7

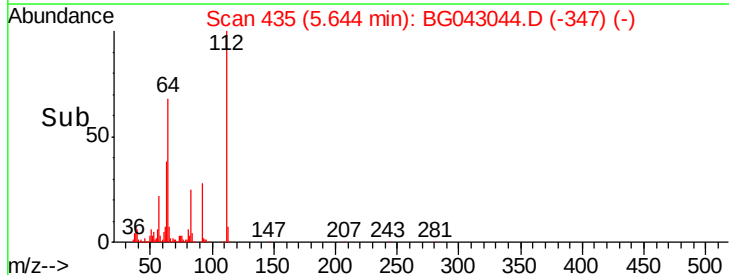
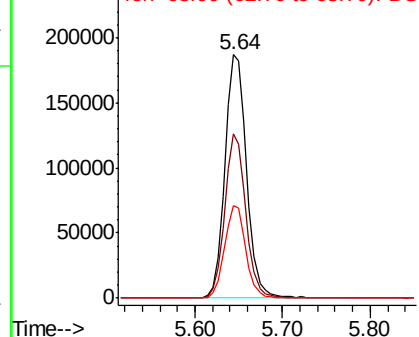


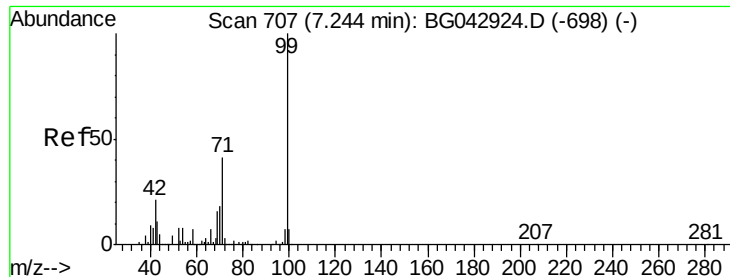
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 58.100 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

Instrument :

BNA_G

ClientSampleId :

MW-105D

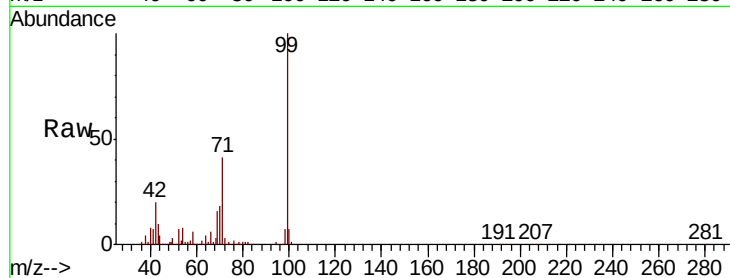
Tot Ion: 99 Resp: 297855

Ion Ratio Lower Upper

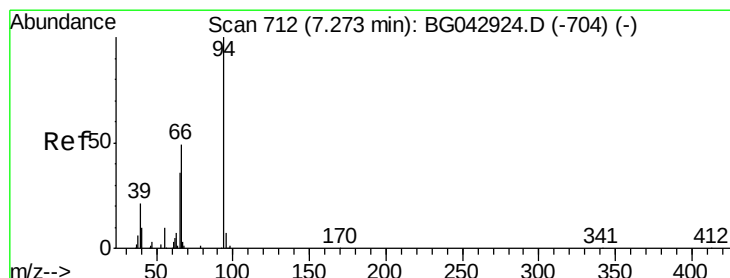
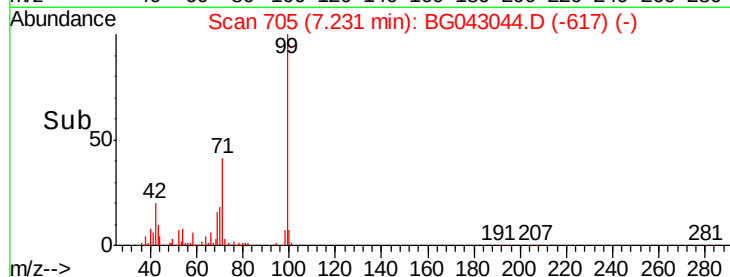
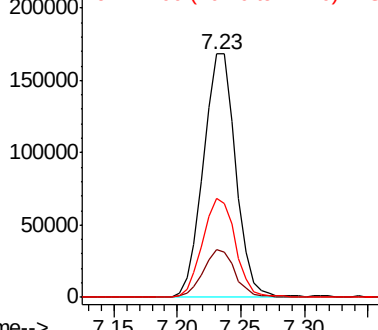
99 100

42 19.6 17.2 25.8

71 40.6 33.1 49.7



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



#10

Phenol

Concen: 9.403 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

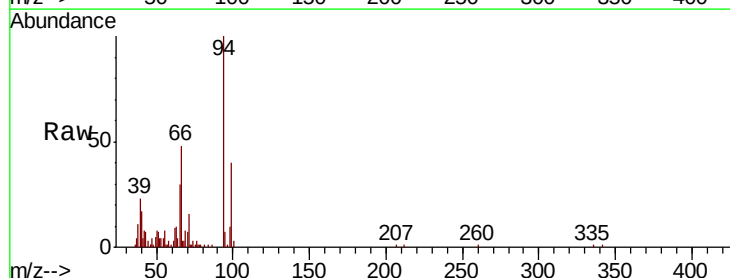
Tgt Ion: 94 Resp: 44227

Ion Ratio Lower Upper

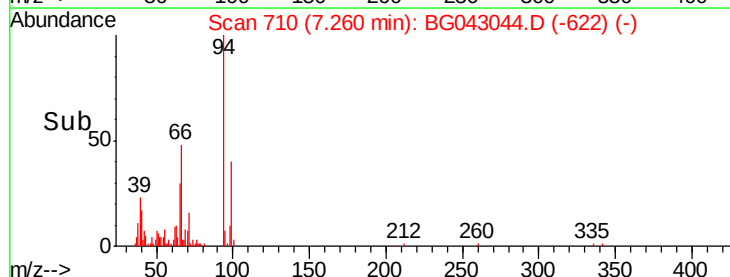
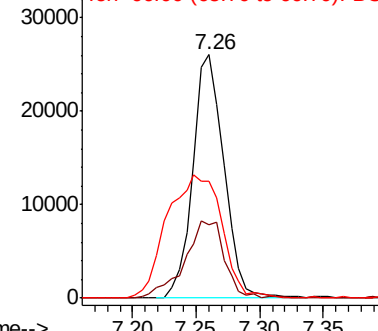
94 100

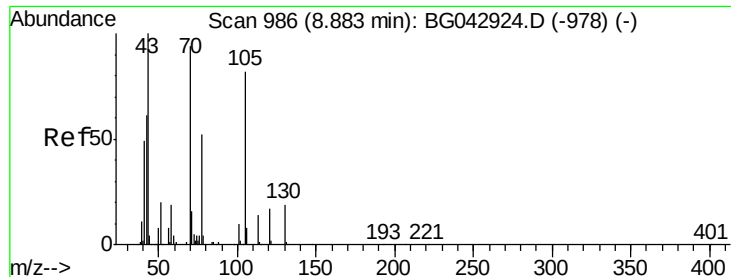
65 30.2 16.6 56.6

66 48.0 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

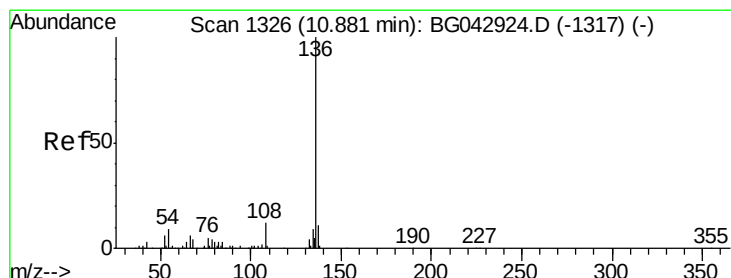
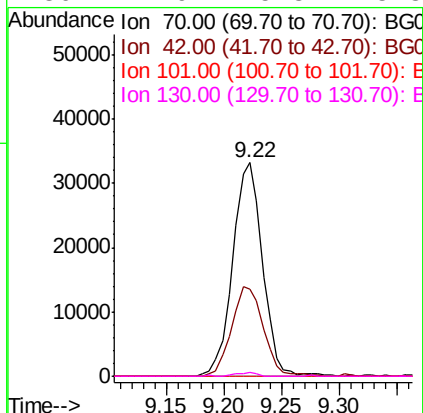
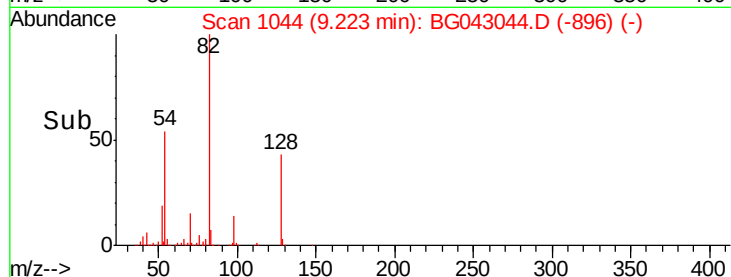
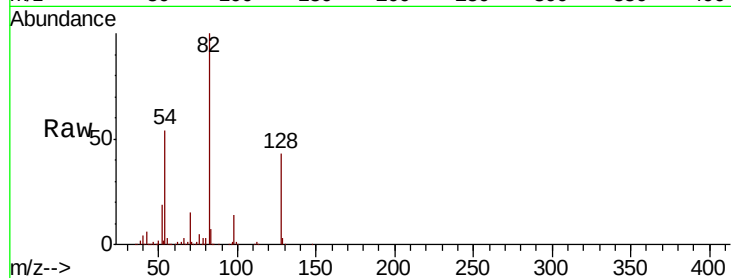




#19
n-Nitroso-di-n-propylamine
Concen: 17.589 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG043044.D
Acq: 5 Oct 2019 1:17

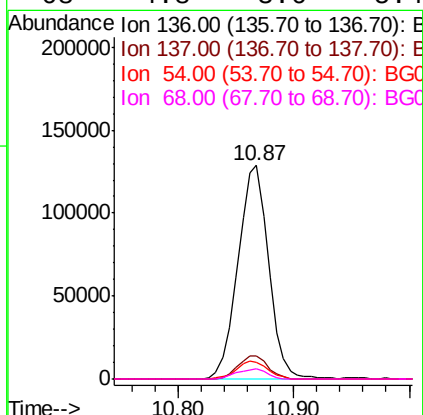
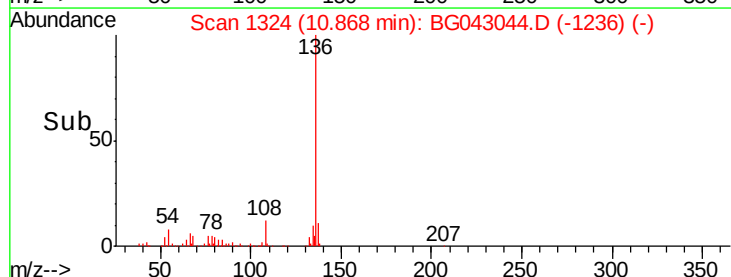
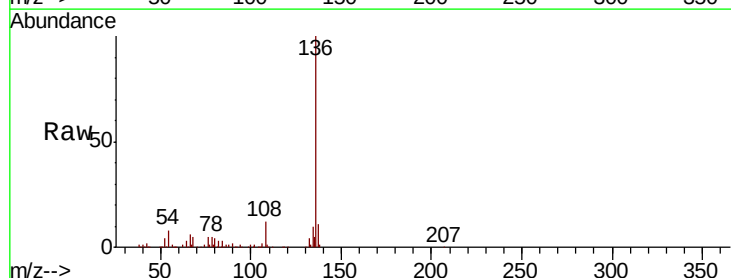
Instrument :
BNA_G
ClientSampleId :
MW-105D

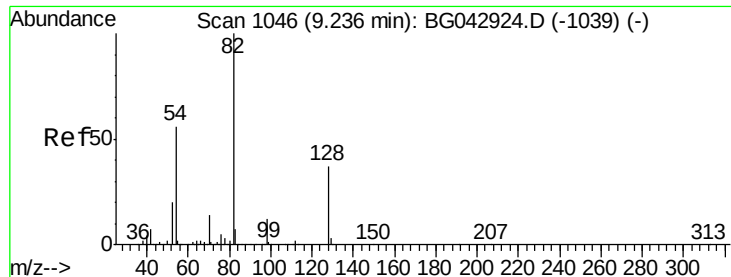
Tot Ion: 70 Resp: 59210
Ion Ratio Lower Upper
70 100
42 40.8 52.6 79.0#
101 0.0 8.7 13.1#
130 1.9 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG043044.D
Acq: 5 Oct 2019 1:17

Tgt Ion: 136 Resp: 236684
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.9 7.4 11.2
68 4.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 86.226 ng

RT: 9.22 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

Instrument :

BNA_G

ClientSampleId :

MW-105D

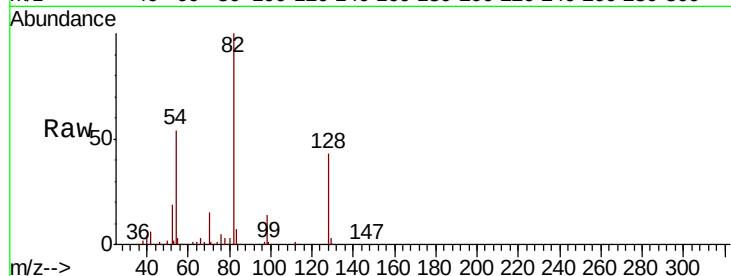
Tot Ion: 82 Resp: 419882

Ion Ratio Lower Upper

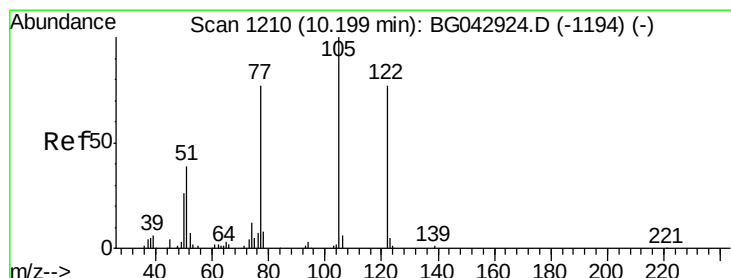
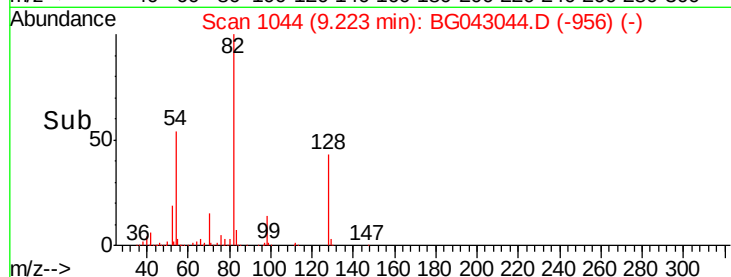
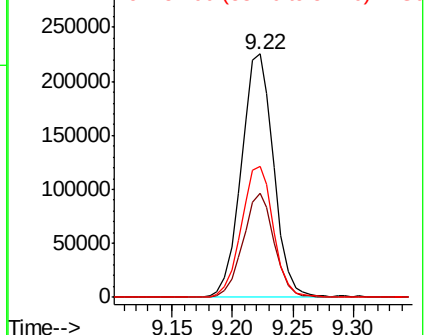
82 100

128 42.7 29.5 44.3

54 53.7 44.6 67.0



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



#32

Benzoic acid

Concen: 2.828 ng

RT: 10.18 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

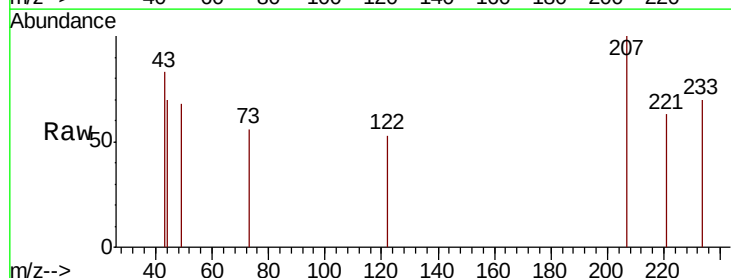
Tgt Ion: 122 Resp: 65

Ion Ratio Lower Upper

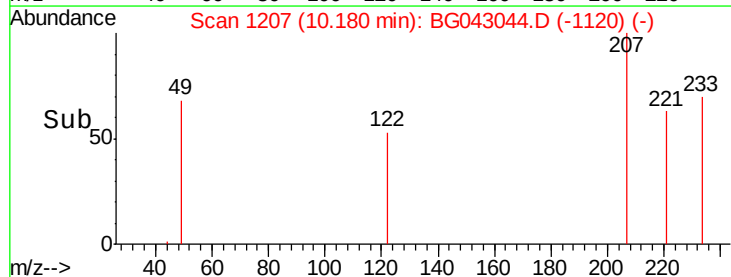
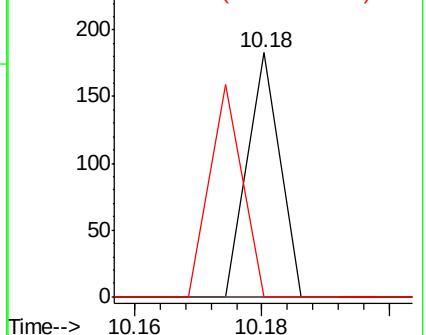
122 100

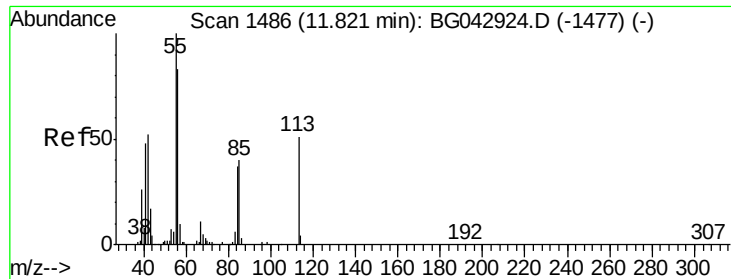
105 0.0 107.5 147.5#

77 0.0 79.8 119.8#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

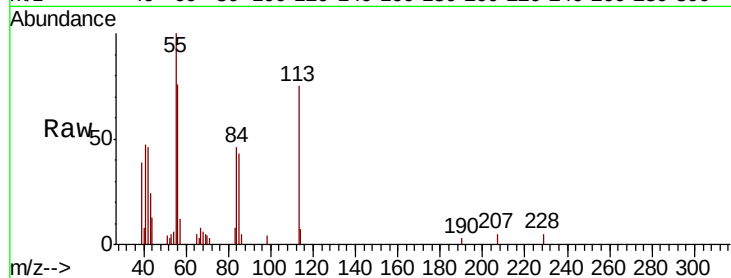




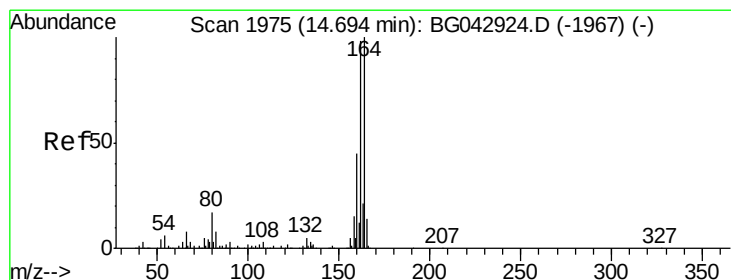
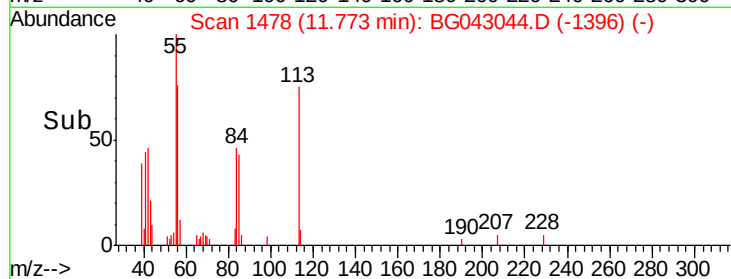
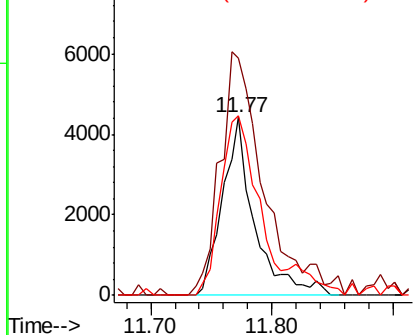
#35
 Caprolactam
 Concen: 6.068 ng
 RT: 11.77 min Scan# 1478
 Delta R.T. -0.05 min
 Lab File: BG043044.D
 Acq: 5 Oct 2019 1:17

Instrument :
 BNA_G
 ClientSampleId :
 MW-105D

Tot Ion:113 Resp: 8081
 Ion Ratio Lower Upper
 113 100
 55 133.2 175.5 215.5#
 56 101.3 142.3 182.3#

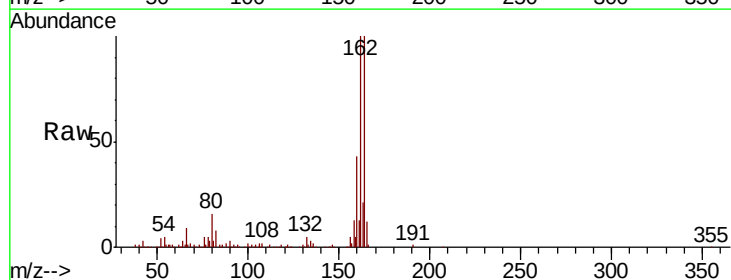


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BG
 Ion 56.00 (55.70 to 56.70): BG

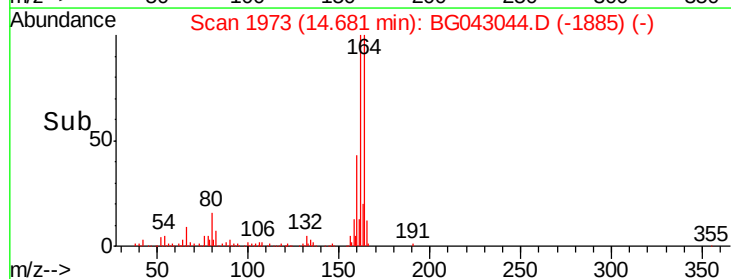
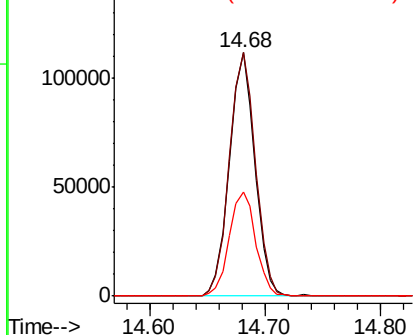


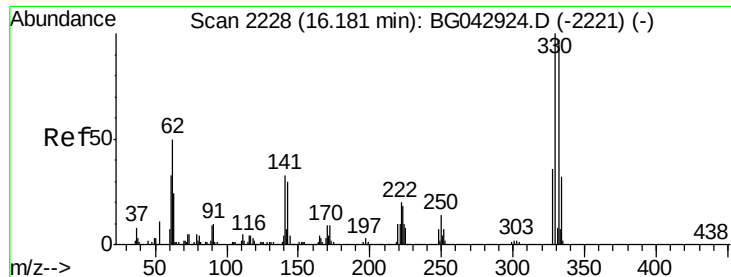
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BG043044.D
 Acq: 5 Oct 2019 1:17

Tgt Ion:164 Resp: 171037
 Ion Ratio Lower Upper
 164 100
 162 100.0 78.5 117.7
 160 42.9 35.9 53.9



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

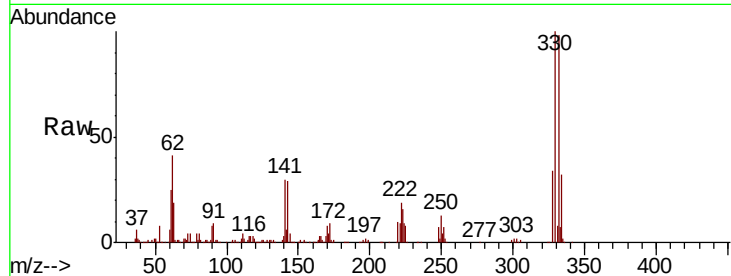




#42
 2,4,6-Tribromophenol
 Concen: 139.114 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG043044.D
 Acq: 5 Oct 2019 1:17

Instrument :
 BNA_G
 ClientSampleId :
 MW-105D

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.2	117.2
141	29.6	26.0	39.0

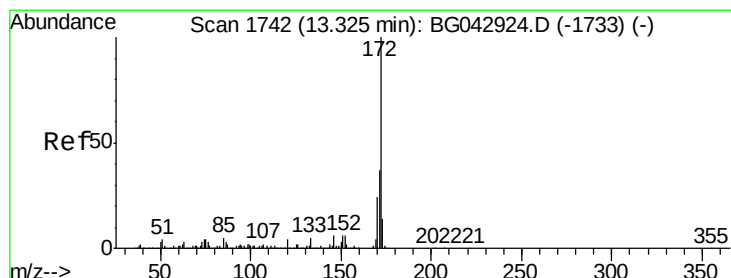
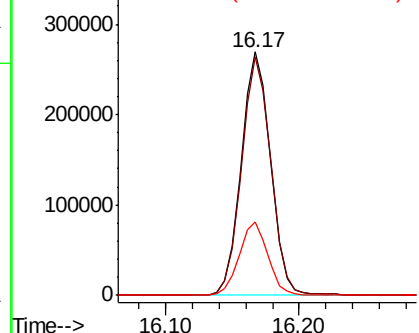
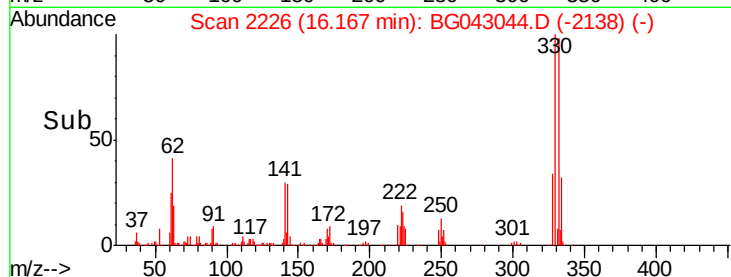


Abundance

Ion 329.80 (329.50 to 330.50): E

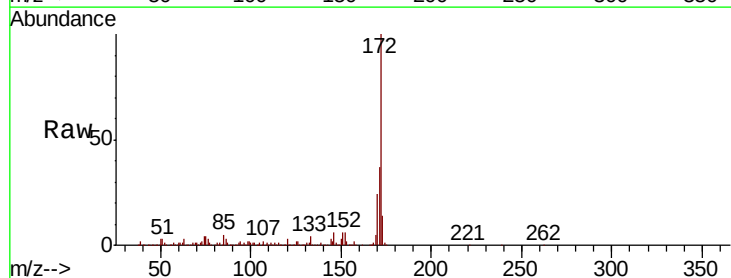
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.309 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.02 min
 Lab File: BG043044.D
 Acq: 5 Oct 2019 1:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	23.8	19.6	29.4

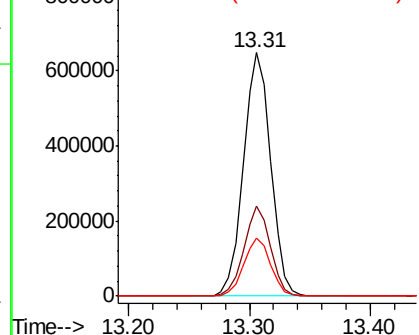
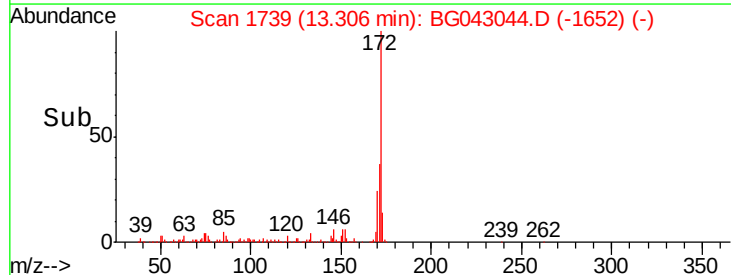


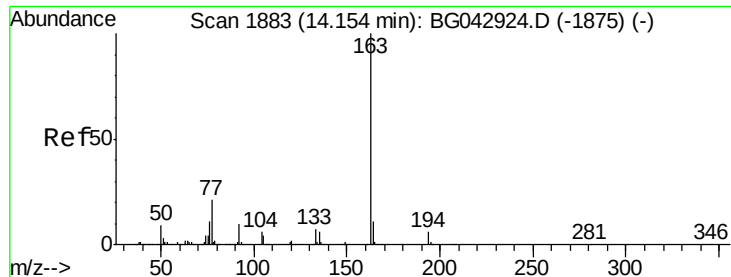
Abundance

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: 13.921 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.03 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

Instrument :

BNA_G

ClientSampleId :

MW-105D

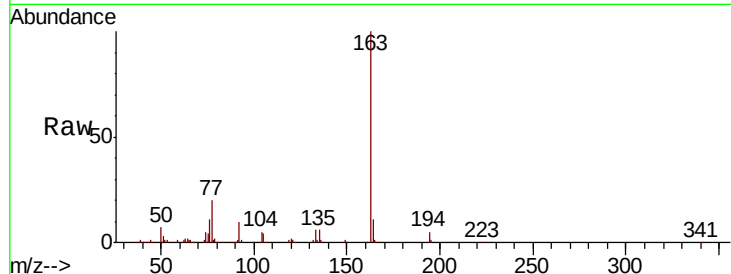
Tot Ion:163 Resp: 178402

Ion Ratio Lower Upper

163 100

194 4.8 4.4 6.6

164 10.6 8.6 12.8

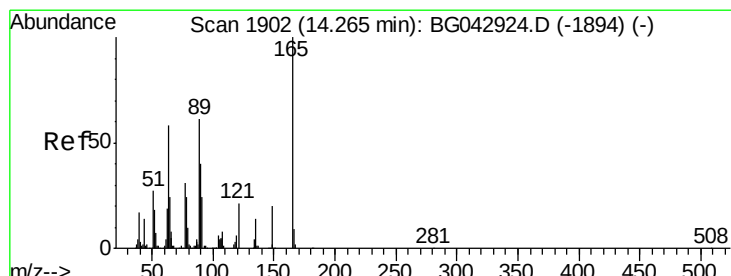
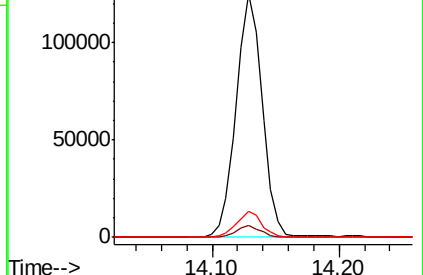
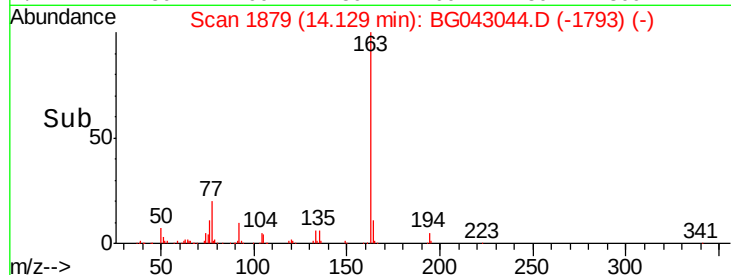


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

14.13



#51

2,6-Dinitrotoluene

Concen: 4.108 ng

RT: 14.22 min Scan# 1894

Delta R.T. -0.05 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

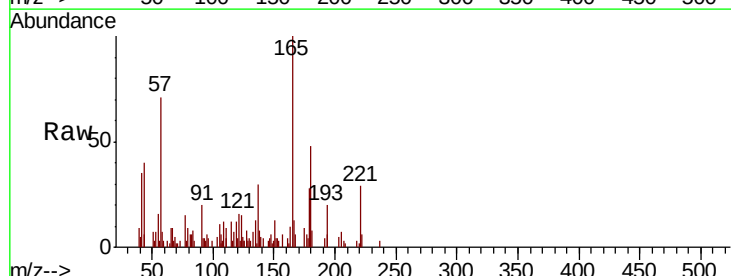
Tgt Ion:165 Resp: 11210

Ion Ratio Lower Upper

165 100

63 2.7 50.3 75.5#

89 0.0 48.9 73.3#

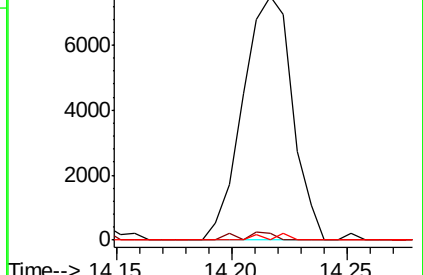
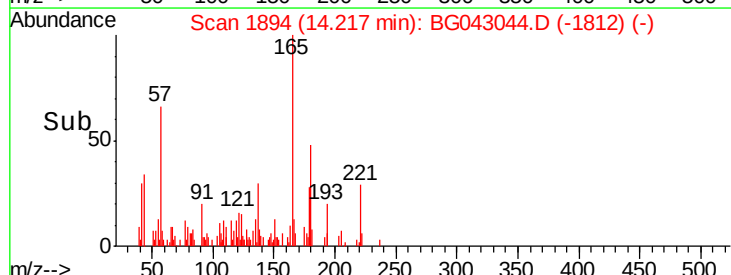


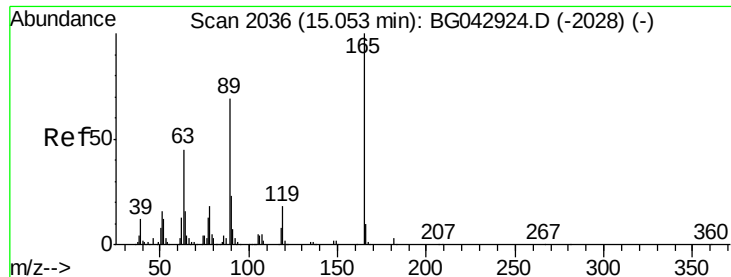
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

14.22

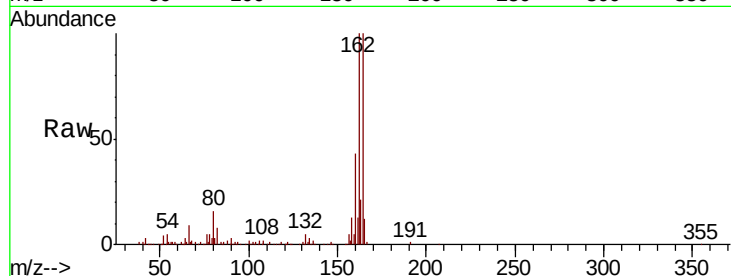




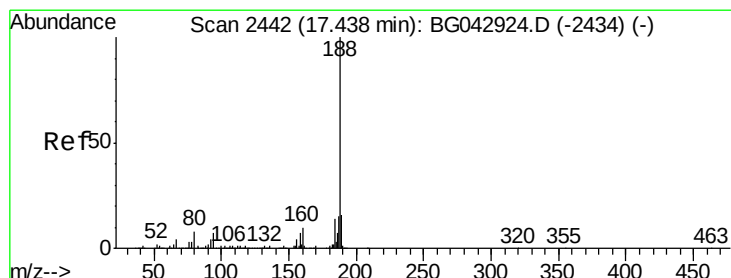
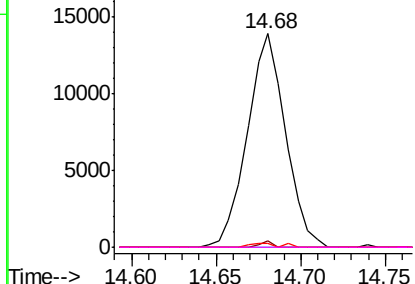
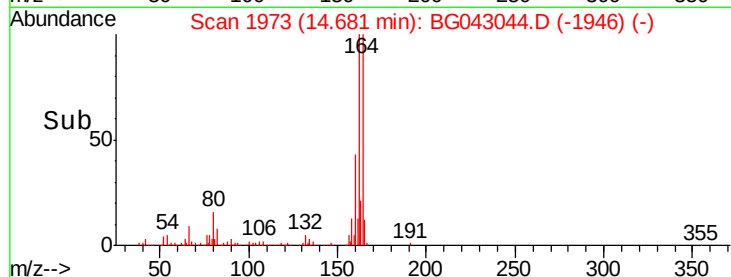
#57
 2,4-Dinitrotoluene
 Concen: 5.471 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.37 min
 Lab File: BG043044.D
 Acq: 5 Oct 2019 1:17

Instrument :
 BNA_G
 ClientSampleId :
 MW-105D

Tot Ion:	165	Resp:	21864
Ion	Ratio	Lower	Upper
165	100		
63	2.8	36.5	54.7#
89	1.8	55.5	83.3#
182	0.0	2.4	3.6#

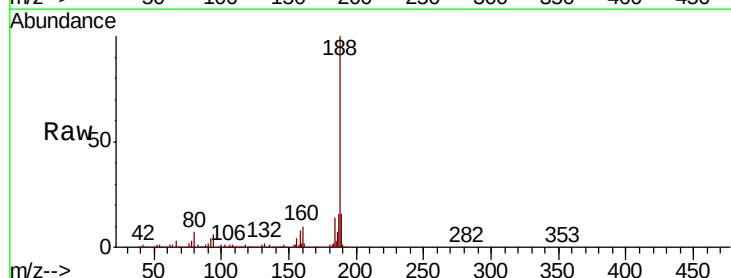


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

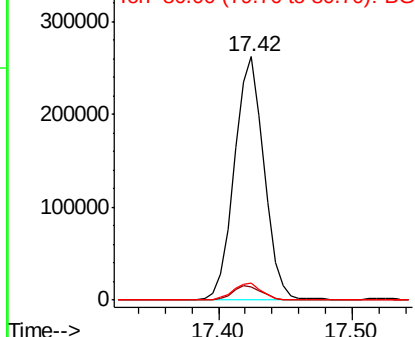
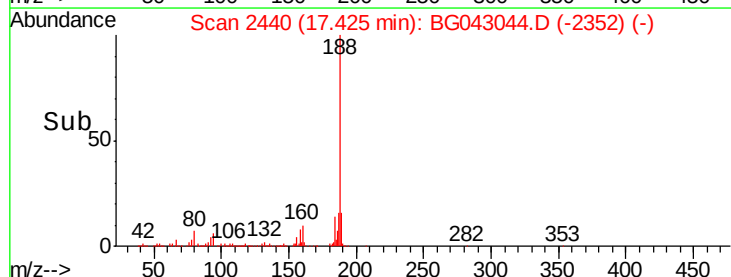


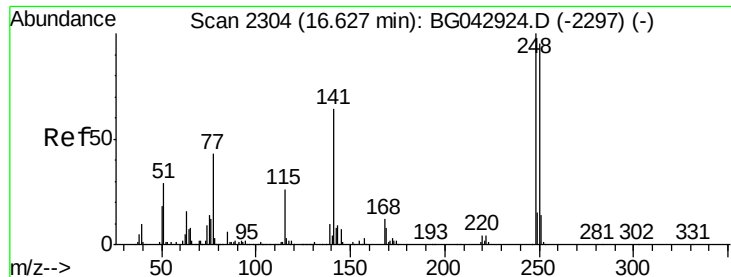
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BG043044.D
 Acq: 5 Oct 2019 1:17

Tgt Ion:	188	Resp:	405199
Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.7	8.5#
80	7.0	6.5	9.7



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

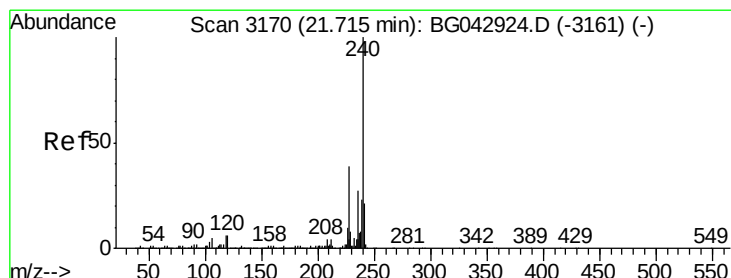
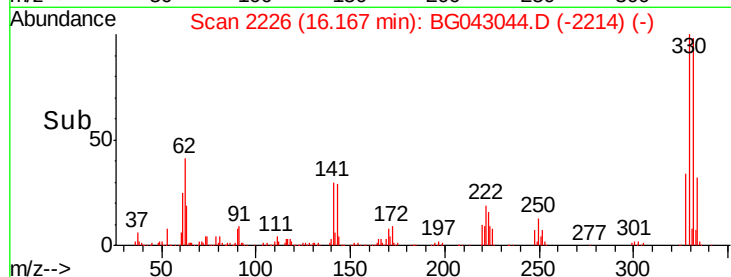
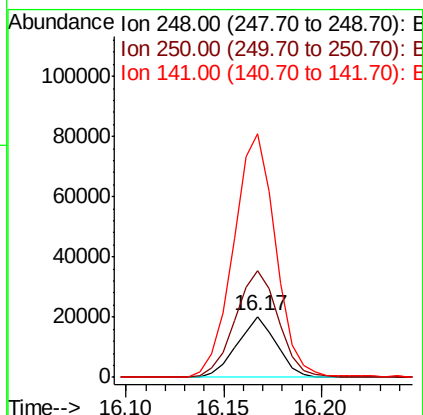
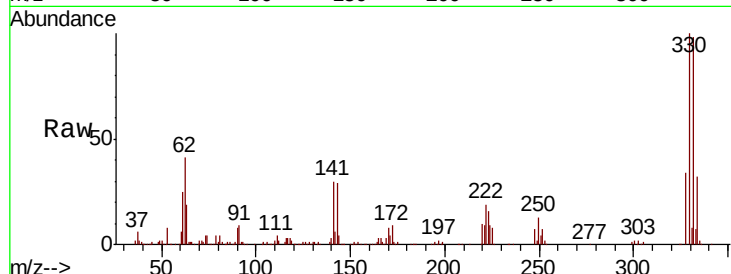




#67
4-Bromophenyl-phenylether
Concen: 5.500 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.46 min
Lab File: BG043044.D
Acq: 5 Oct 2019 1:17

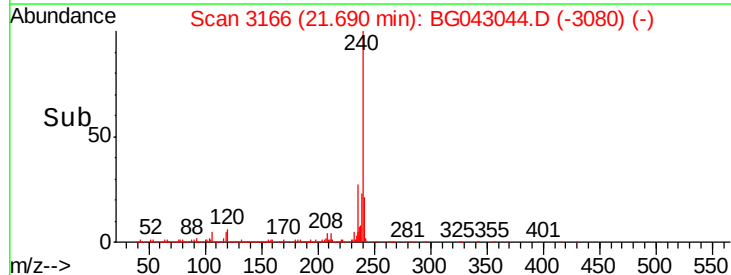
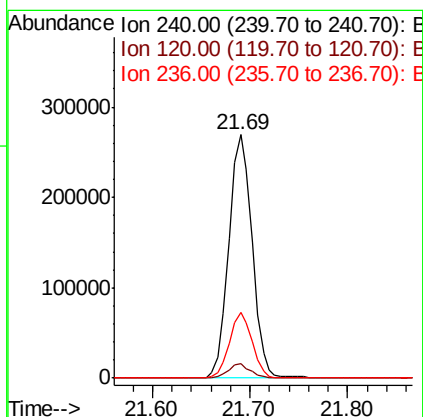
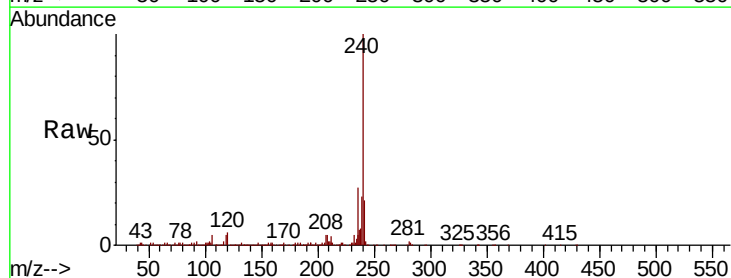
Instrument :
BNA_G
ClientSampled :
MW-105D

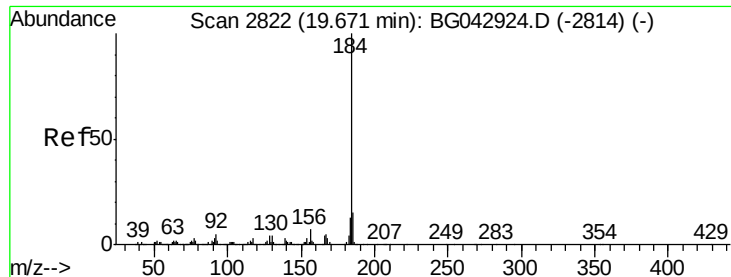
Tot Ion:248 Resp: 27970
Ion Ratio Lower Upper
248 100
250 175.4 75.8 113.8#
141 401.1 51.1 76.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.03 min
Lab File: BG043044.D
Acq: 5 Oct 2019 1:17

Tgt Ion:240 Resp: 447946
Ion Ratio Lower Upper
240 100
120 5.9 4.8 7.2
236 27.2 21.4 32.0





#77

Benzidine

Concen: 2.990 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

Instrument :

BNA_G

ClientSampleId :

MW-105D

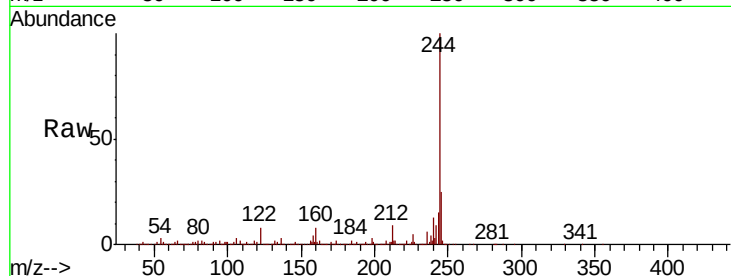
Tot Ion:184 Resp: 33541

Ion Ratio Lower Upper

184 100

185 18.0 11.8 17.8#

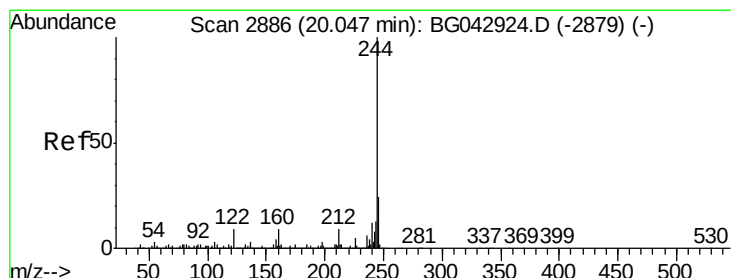
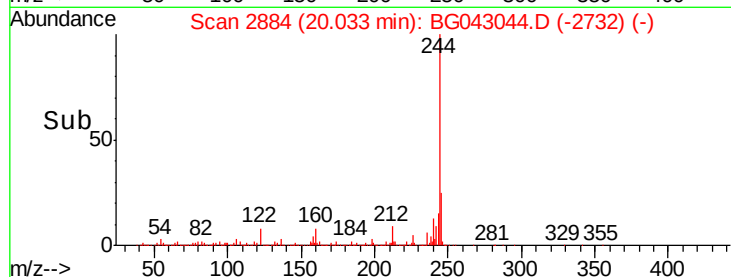
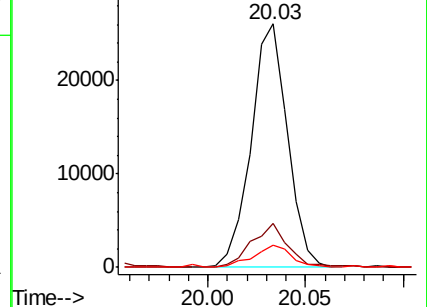
183 9.3 10.1 15.1#



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: 95.912 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043044.D

Acq: 5 Oct 2019 1:17

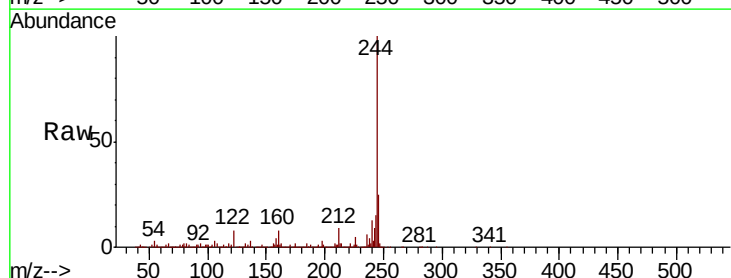
Tgt Ion:244 Resp: 2016231

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.0

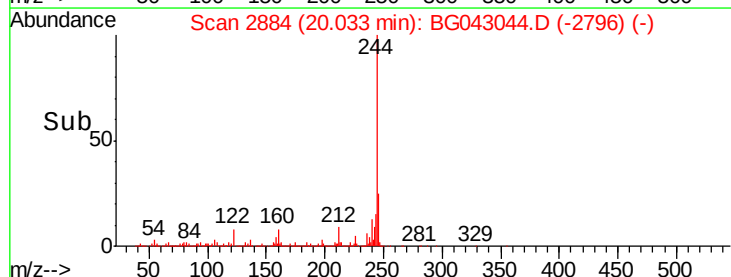
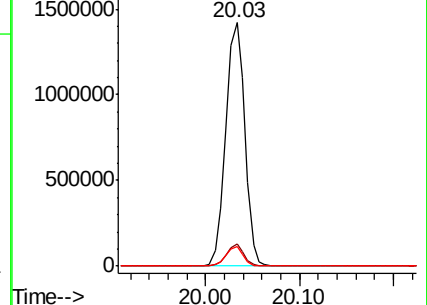
122 7.9 7.0 10.4

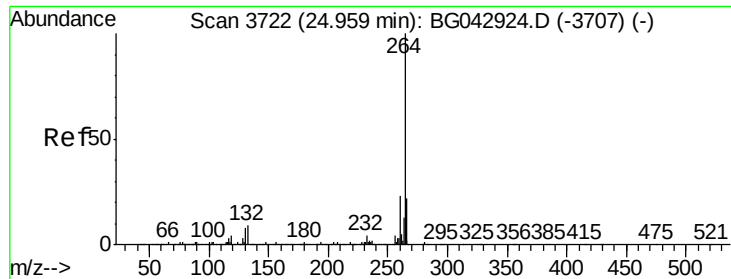


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

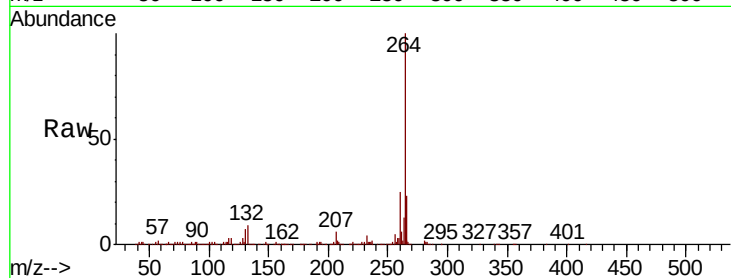




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3714
Delta R.T. -0.05 min
Lab File: BG043044.D
Acq: 5 Oct 2019 1:17

Instrument :
BNA_G
ClientSampleId :
MW-105D

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.7	28.1
265	23.3	17.7	26.5

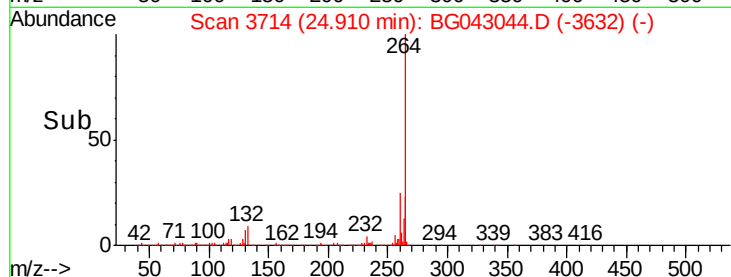
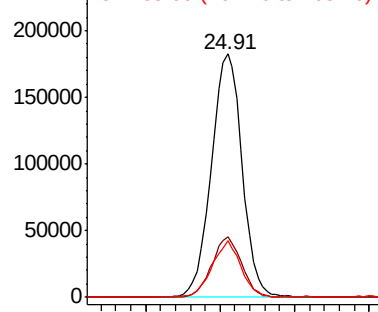


Abundance

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



Time-->