

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100719\
 Data File : BG043074.D
 Acq On : 7 Oct 2019 19:10
 Operator : JU
 Sample : K5154-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-102I

Quant Time: Oct 08 01:48:42 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

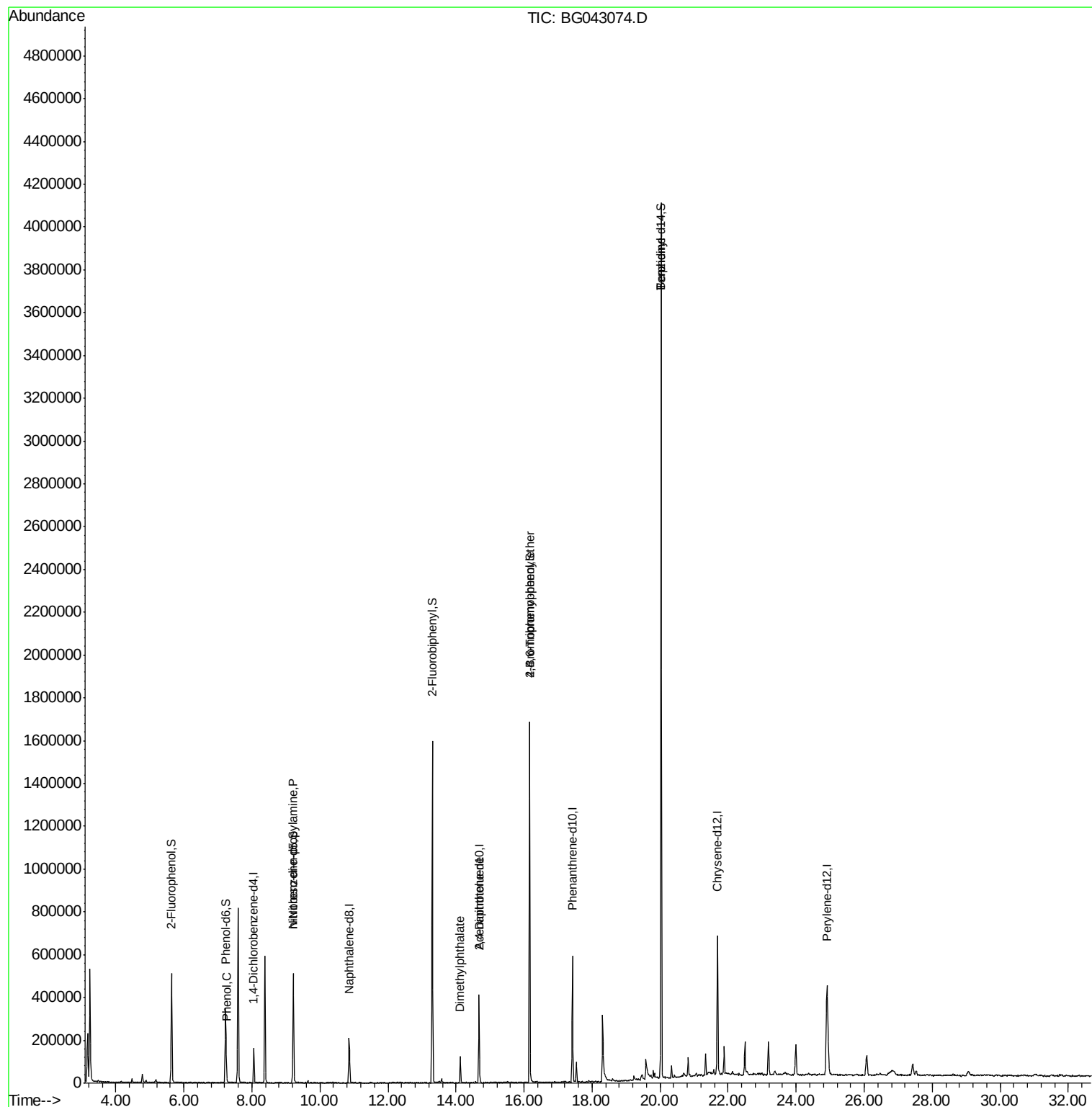
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	46749	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	180073	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	145906	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	381491	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	415151	20.00	ng	-0.03
87) Perylene-d12	24.91	264	479479	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	222739	85.03	ng	-0.02
7) Phenol-d6	7.23	99	207769	55.08	ng	-0.02
23) Nitrobenzene-d5	9.22	82	316329	85.38	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	364578	145.31	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	860480	85.50	ng	-0.02
79) Terphenyl-d14	20.03	244	1938831	99.52	ng	-0.02
Target Compounds						
10) Phenol	7.26	94	13957	4.033	ng	89
19) n-Nitroso-di-n-propylamine	9.22	70	44429	17.937	ng	# 70
50) Dimethylphthalate	14.12	163	79511	7.273	ng	# 97
57) 2,4-Dinitrotoluene	14.68	165	19759	5.796	ng	# 27
67) 4-Bromophenyl-phenylether	16.16	248	24269	5.069	ng	# 1
77) Benzidine	20.03	184	31784	3.058	ng	# 93

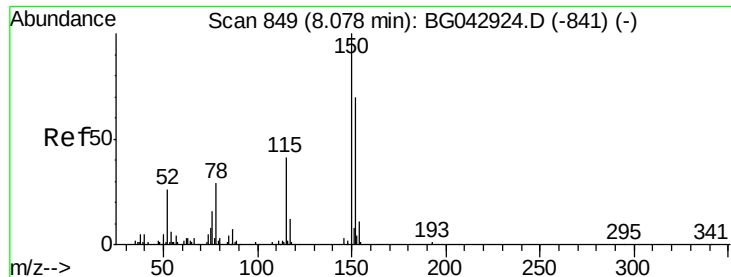
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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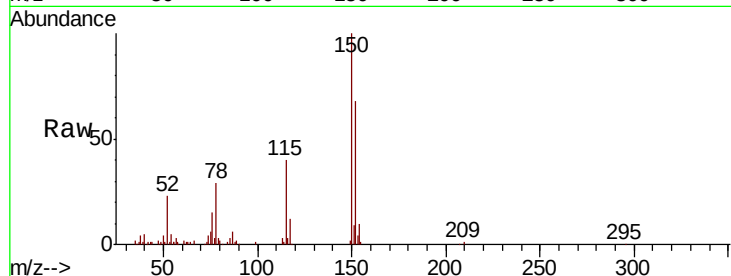


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG043074.D
Acq: 7 Oct 2019 19:10

Instrument :
BNA_G
ClientSampleId :
MW-102I

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.9	115.0	172.4
115	58.4	47.0	70.6

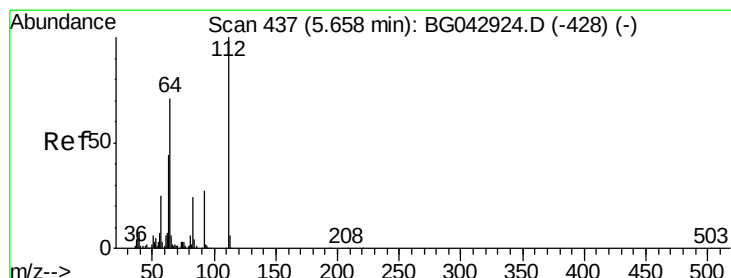
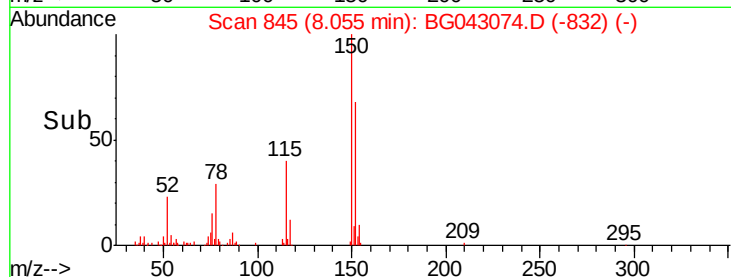
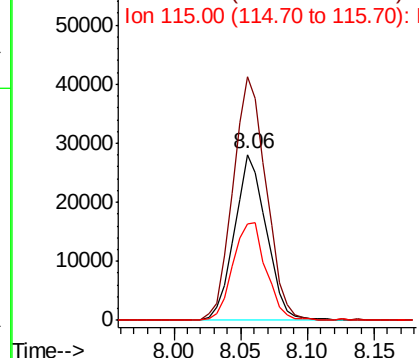


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

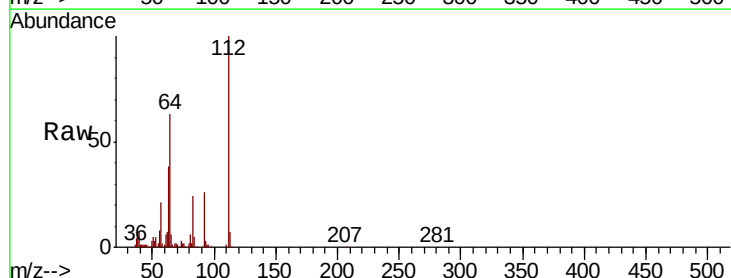
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.030 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG043074.D
Acq: 7 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	56.6	84.8
63	37.7	35.1	52.7

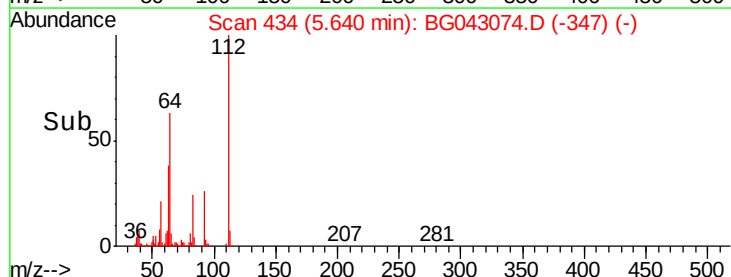
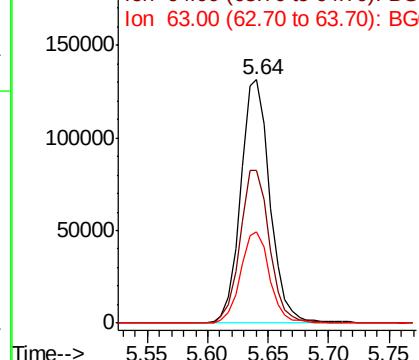


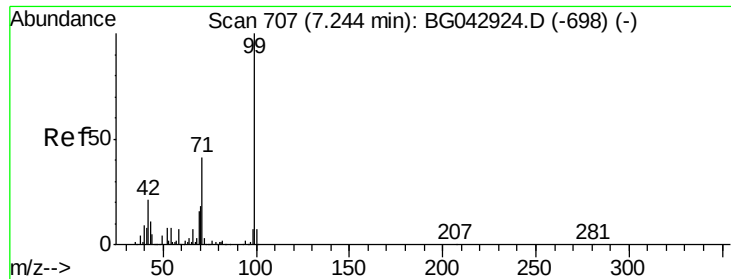
Abundance

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: 55.078 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

Instrument :

BNA_G

ClientSampleId :

MW-102I

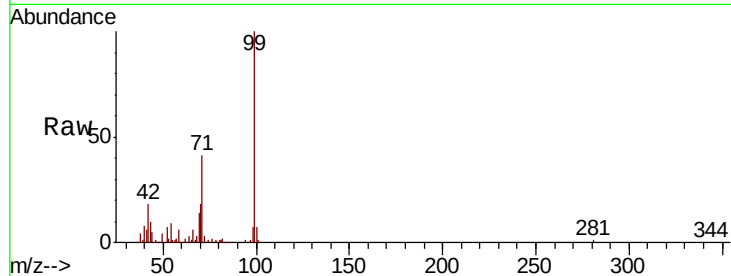
Tot Ion: 99 Resp: 207769

Ion Ratio Lower Upper

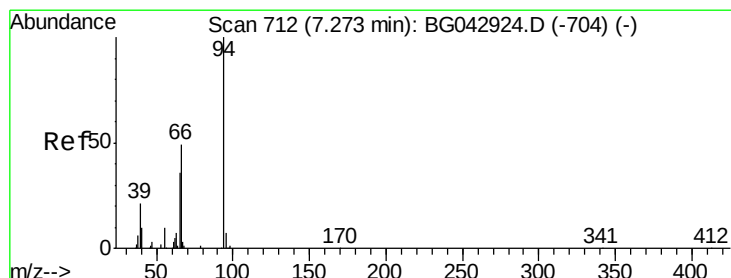
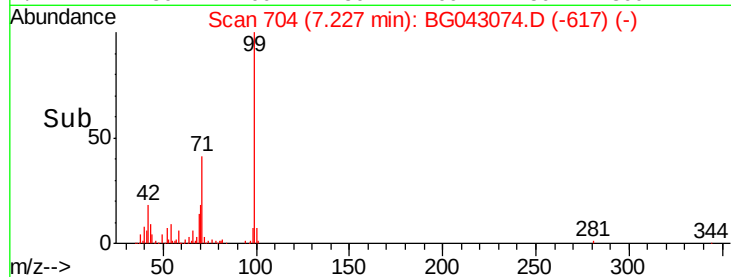
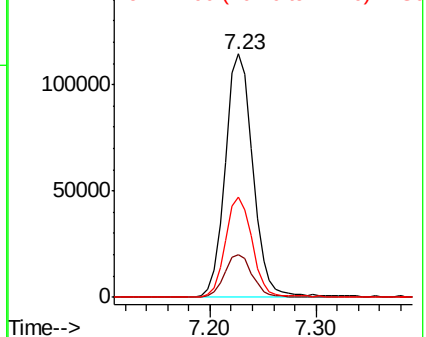
99 100

42 17.6 17.2 25.8

71 41.2 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: 4.033 ng

RT: 7.26 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

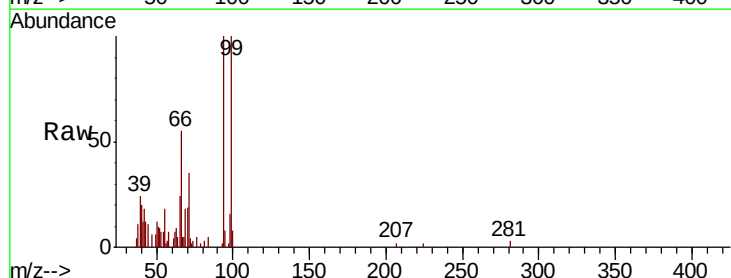
Tgt Ion: 94 Resp: 13957

Ion Ratio Lower Upper

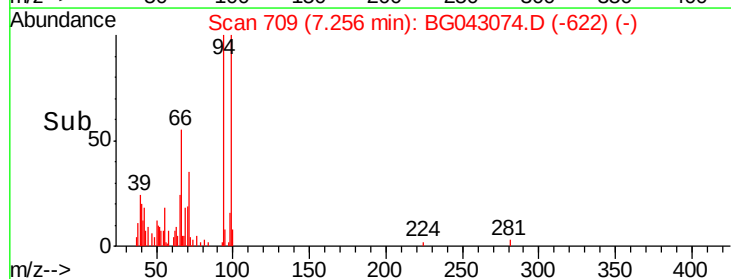
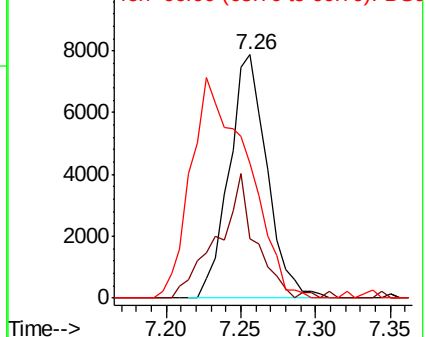
94 100

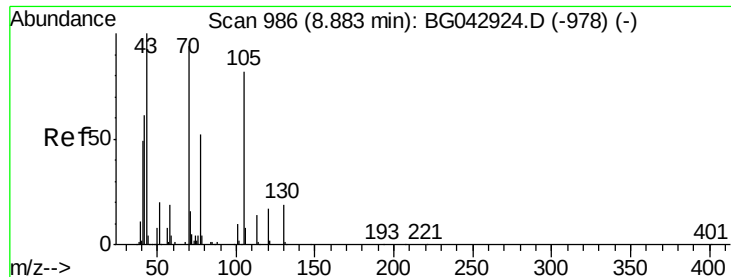
65 24.3 16.6 56.6

66 55.2 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

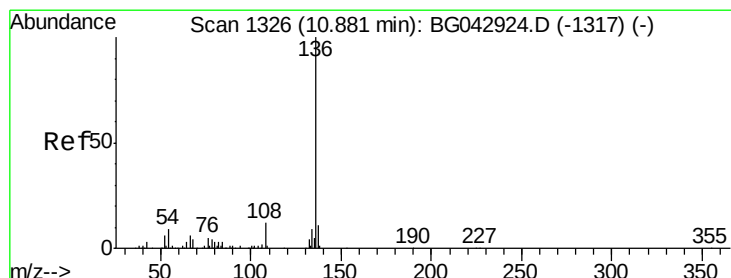
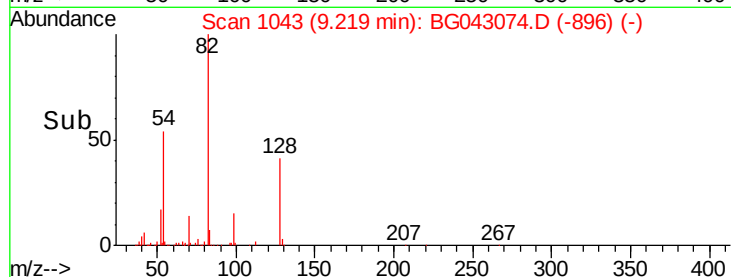
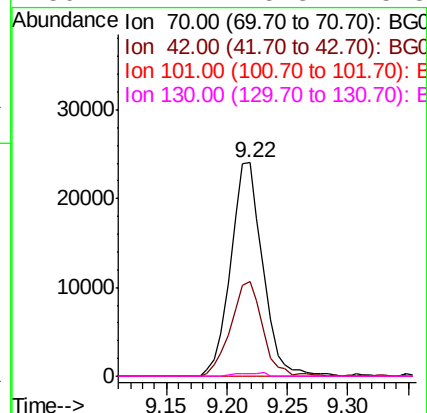
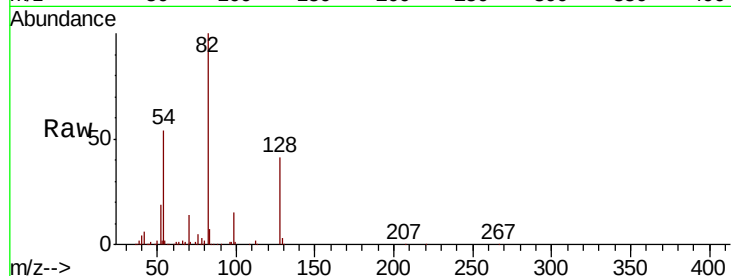




#19
n-Nitroso-di-n-propylamine
Concen: 17.937 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.34 min
Lab File: BG043074.D
Acq: 7 Oct 2019 19:10

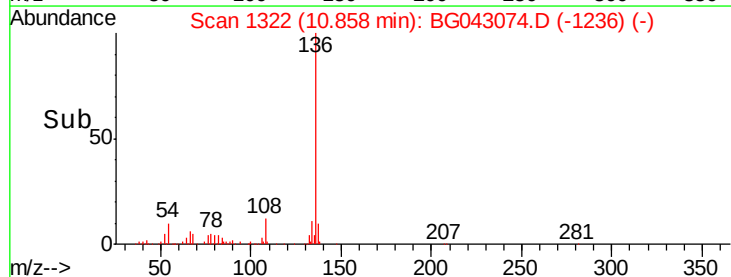
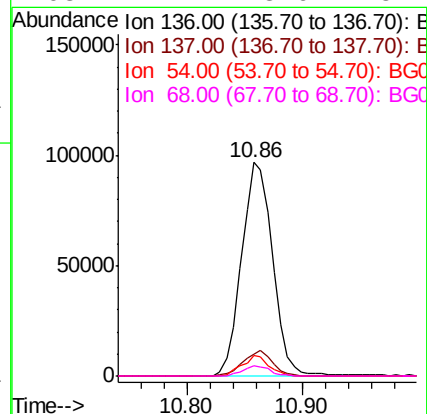
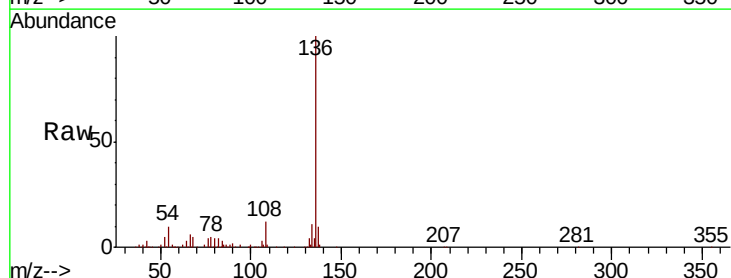
Instrument :
BNA_G
ClientSampleId :
MW-102I

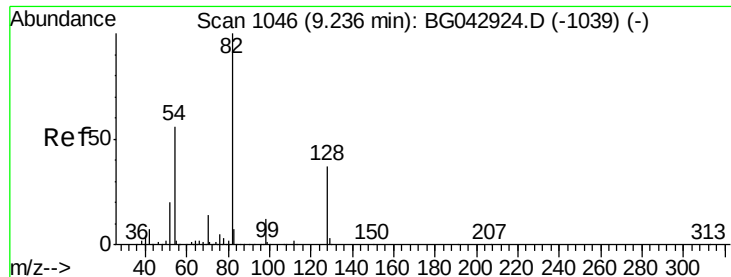
Tot Ion: 70 Resp: 44429
Ion Ratio Lower Upper
70 100
42 44.1 52.6 79.0#
101 0.0 8.7 13.1#
130 1.4 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BG043074.D
Acq: 7 Oct 2019 19:10

Tgt Ion: 136 Resp: 180073
Ion Ratio Lower Upper
136 100
137 10.0 8.5 12.7
54 9.7 7.4 11.2
68 4.7 3.6 5.4





#23

Nitrobenzene-d5

Concen: 85.383 ng

RT: 9.22 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

Instrument :

BNA_G

ClientSampleId :

MW-102I

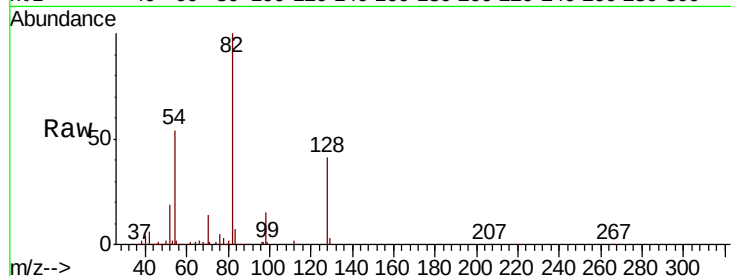
Tot Ion: 82 Resp: 316329

Ion Ratio Lower Upper

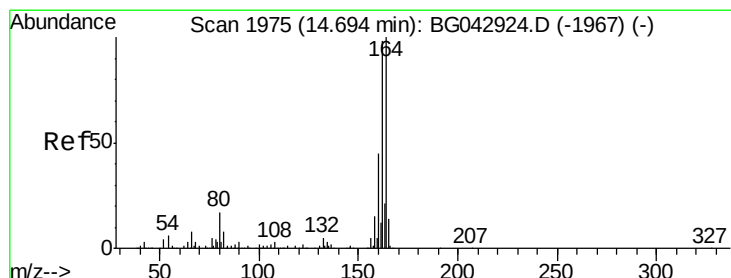
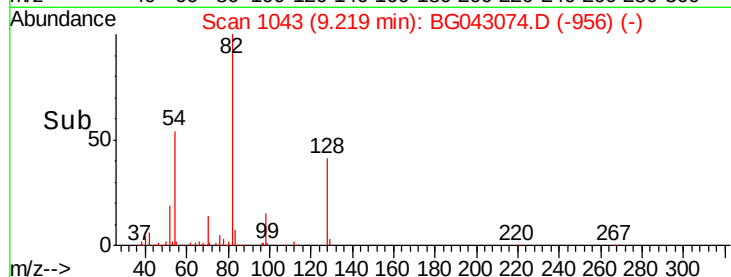
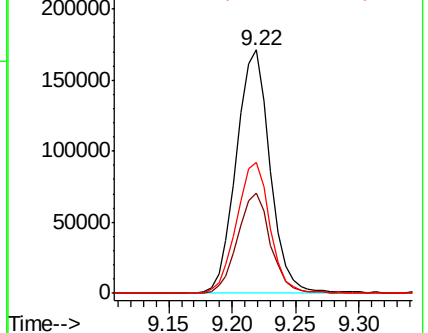
82 100

128 41.2 29.5 44.3

54 54.0 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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

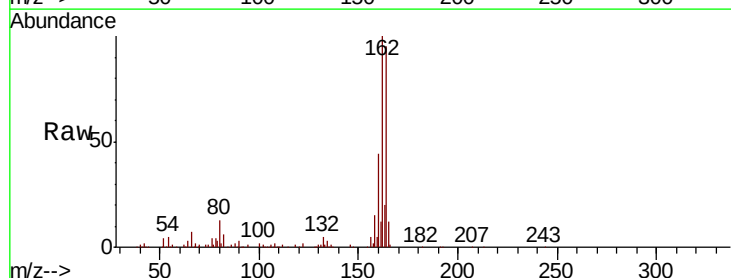
Tgt Ion:164 Resp: 145906

Ion Ratio Lower Upper

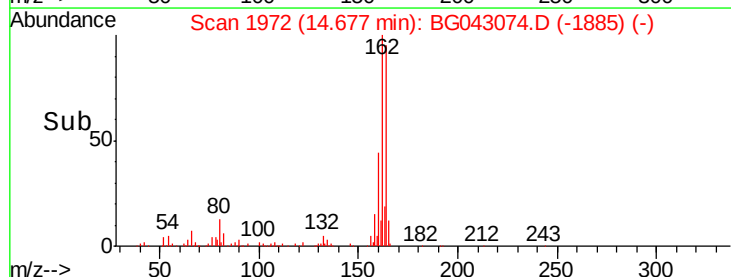
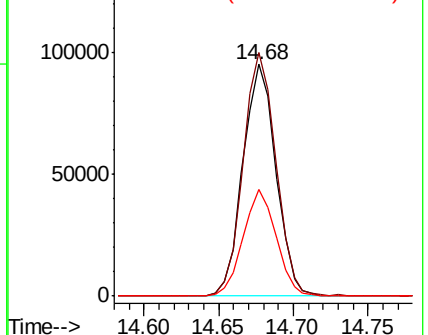
164 100

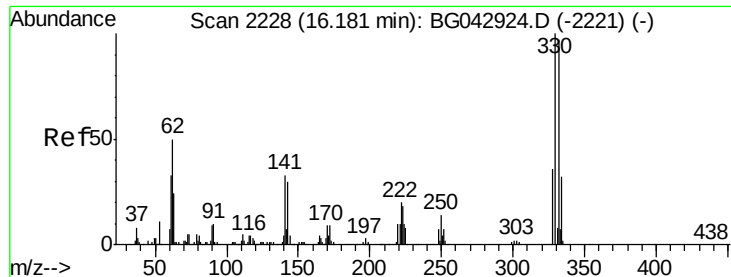
162 105.0 78.5 117.7

160 45.9 35.9 53.9



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

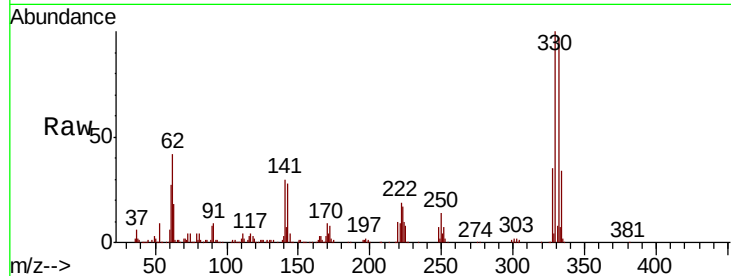




#42
 2,4,6-Tribromophenol
 Concen: 145.311 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.02 min
 Lab File: BG043074.D
 Acq: 7 Oct 2019 19:10

Instrument :
 BNA_G
 ClientSampleId :
 MW-102I

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.2
141	28.5	26.0	39.0

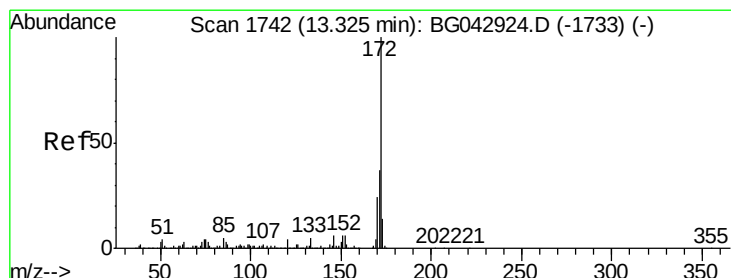
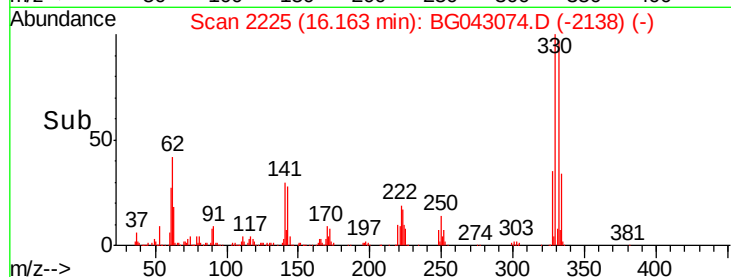
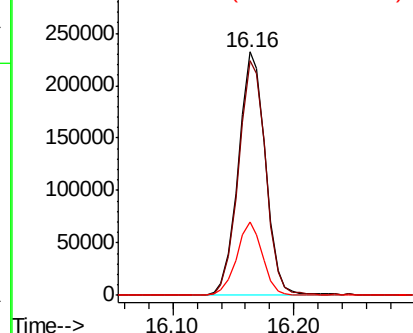


Abundance

Ion 329.80 (329.50 to 330.50): E

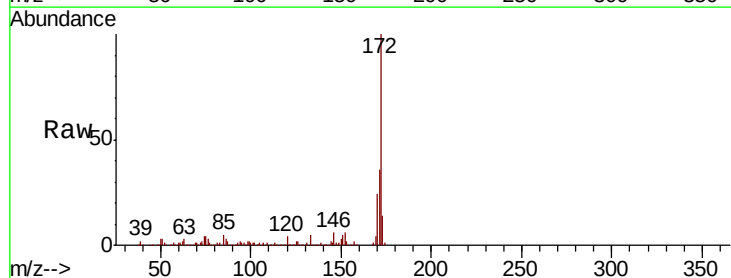
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.496 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG043074.D
 Acq: 7 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.0	19.6	29.4

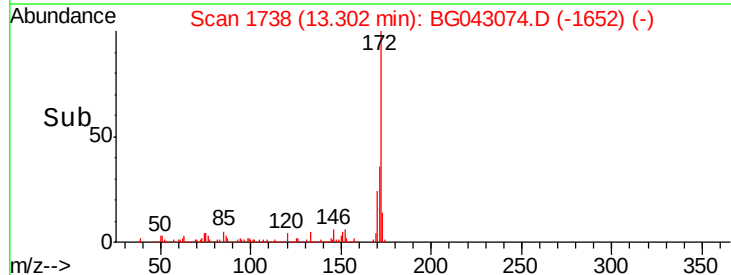
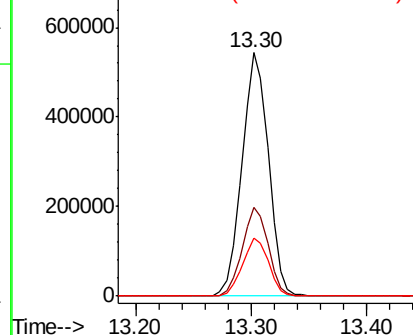


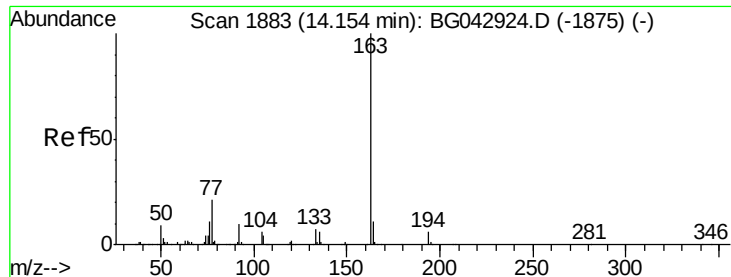
Abundance

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

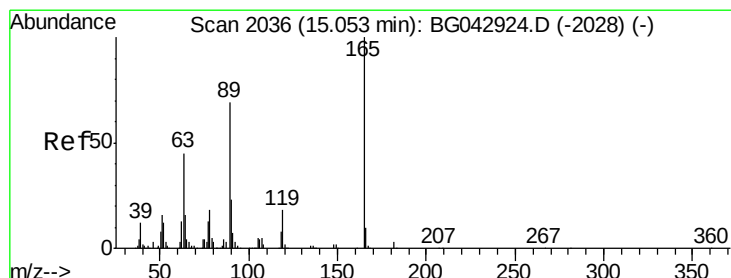
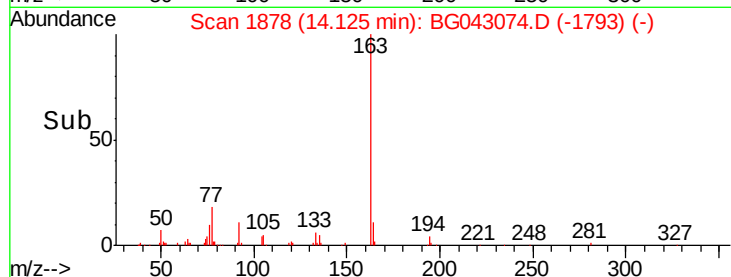
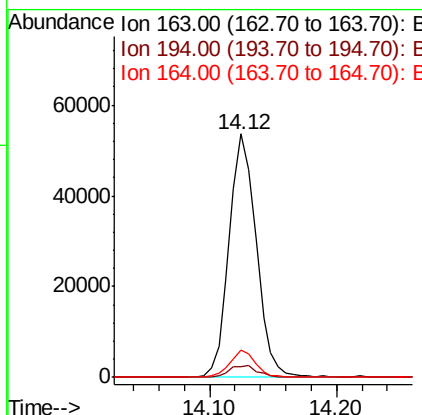
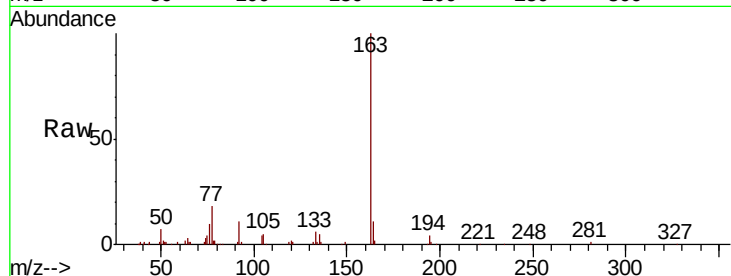




#50
Dimethylphthalate
Concen: 7.273 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.03 min
Lab File: BG043074.D
Acq: 7 Oct 2019 19:10

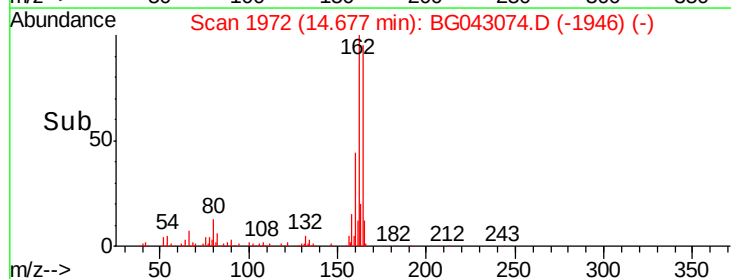
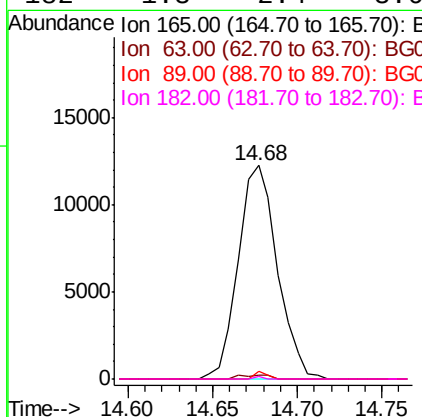
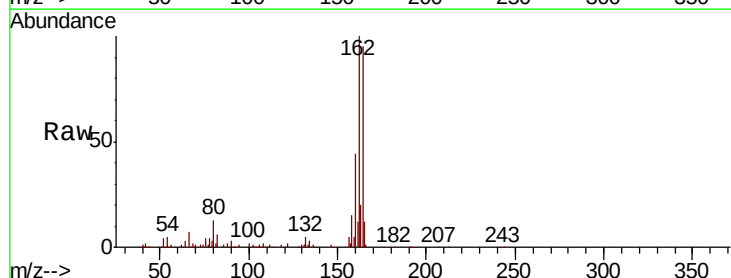
Instrument :
BNA_G
ClientSampleId :
MW-102I

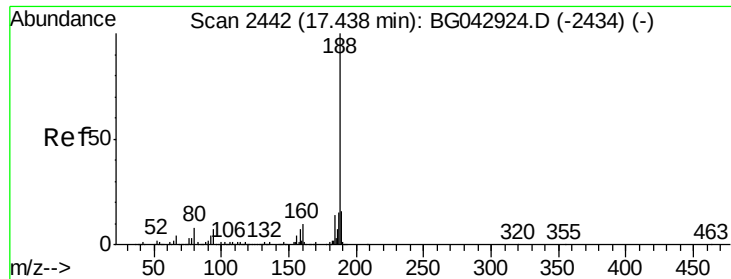
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	4.4	6.6#
164	11.4	8.6	12.8



#57
2,4-Dinitrotoluene
Concen: 5.796 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.38 min
Lab File: BG043074.D
Acq: 7 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.5	54.7#
89	3.5	55.5	83.3#
182	1.3	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

Instrument :

BNA_G

ClientSampleId :

MW-102I

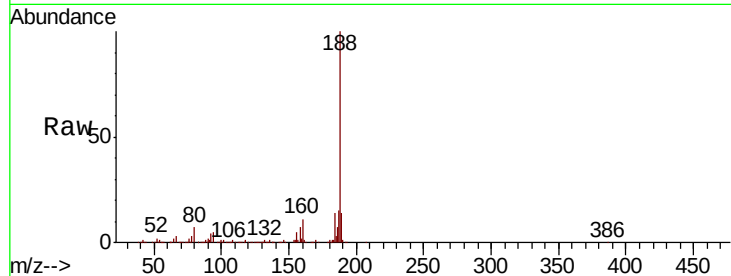
Tot Ion:188 Resp: 381491

Ion Ratio Lower Upper

188 100

94 5.3 5.7 8.5#

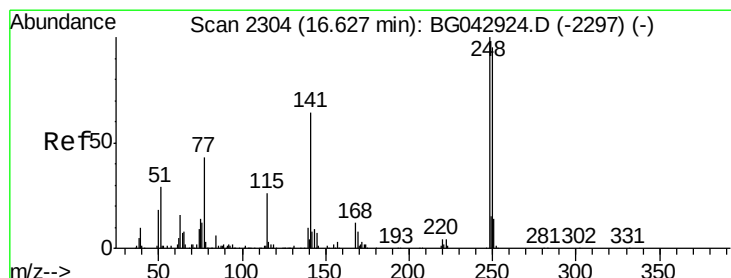
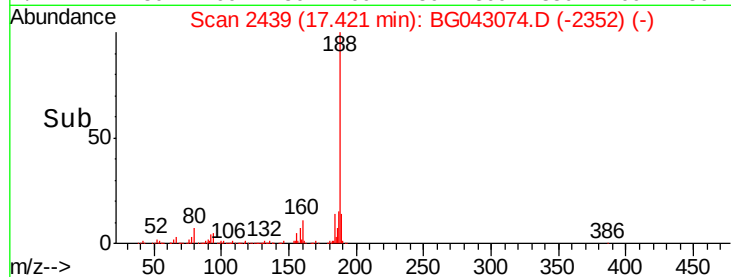
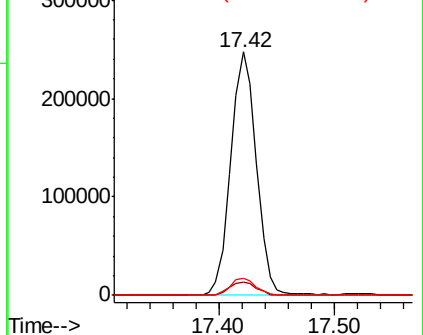
80 6.9 6.5 9.7



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



#67

4-Bromophenyl-phenylether

Concen: 5.069 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

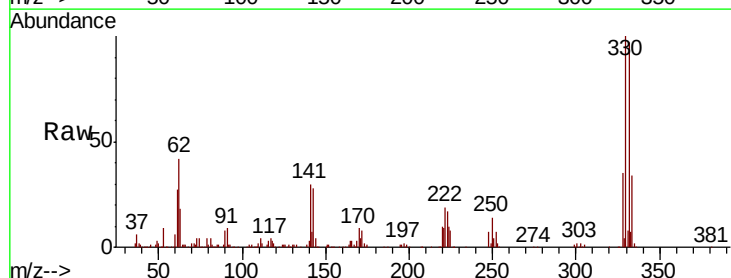
Tgt Ion:248 Resp: 24269

Ion Ratio Lower Upper

248 100

250 200.0 75.8 113.8#

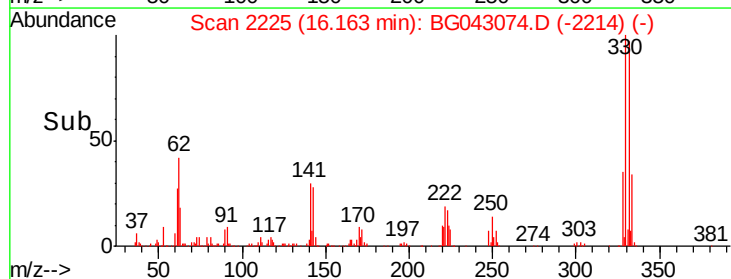
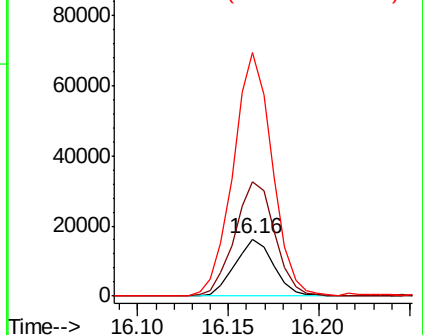
141 425.0 51.1 76.7#

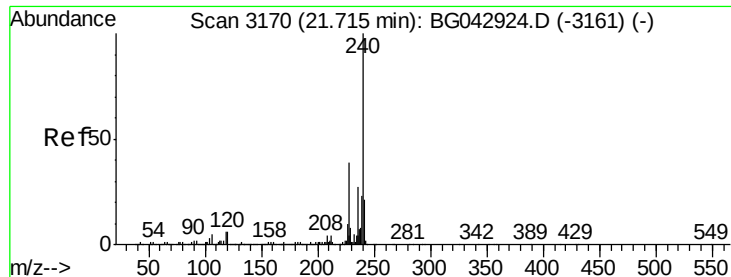


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

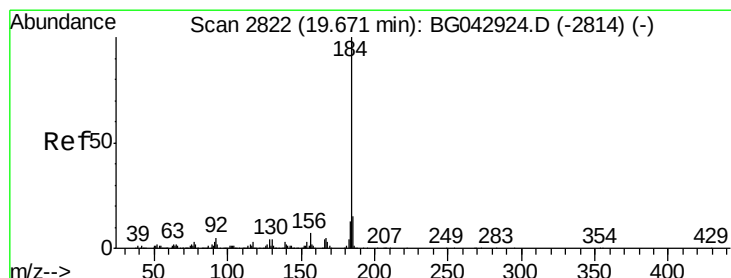
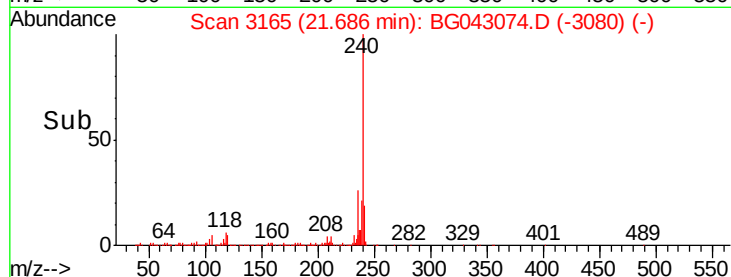
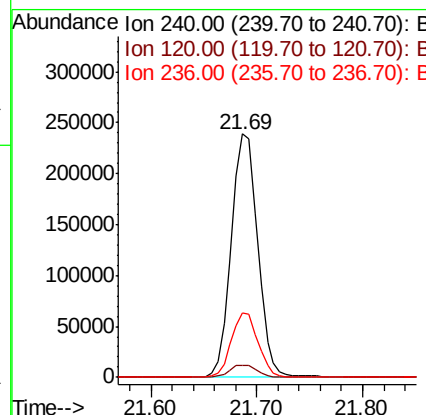
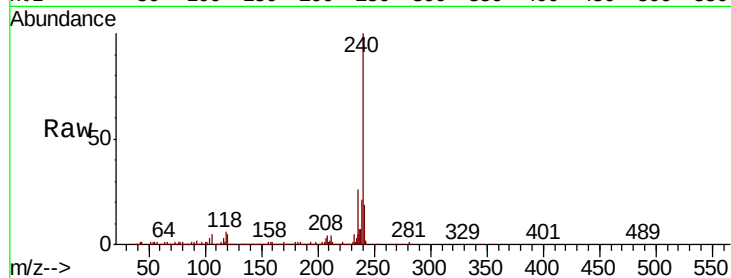




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.03 min
 Lab File: BG043074.D
 Acq: 7 Oct 2019 19:10

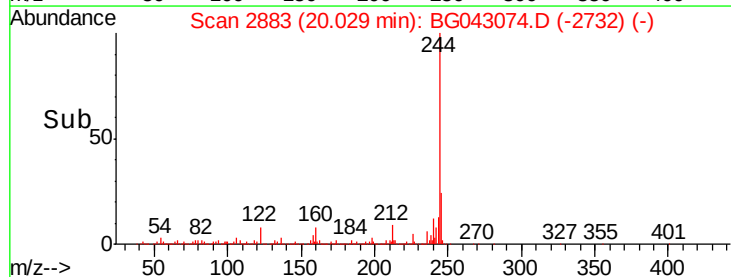
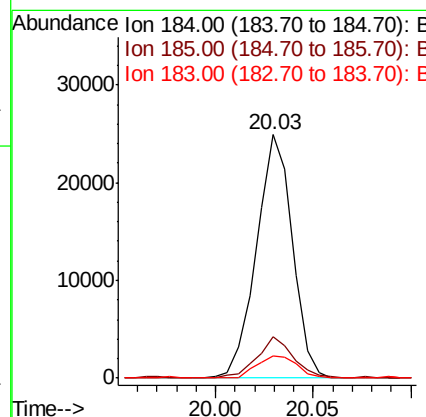
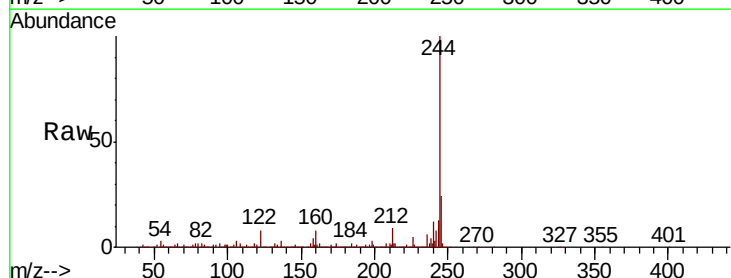
Instrument :
 BNA_G
 ClientSampleId :
 MW-102I

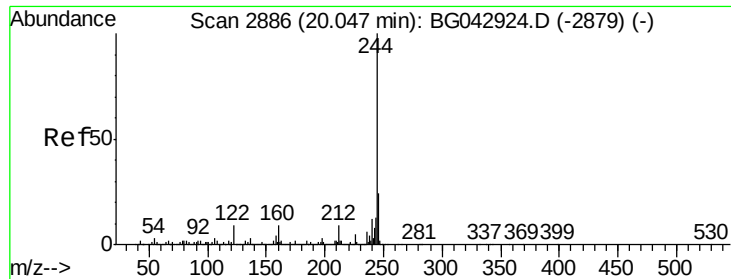
Tot Ion:240 Resp: 415151
 Ion Ratio Lower Upper
 240 100
 120 5.0 4.8 7.2
 236 26.4 21.4 32.0



#77
 Benzidine
 Concen: 3.058 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. 0.36 min
 Lab File: BG043074.D
 Acq: 7 Oct 2019 19:10

Tgt Ion:184 Resp: 31784
 Ion Ratio Lower Upper
 184 100
 185 17.2 11.8 17.8
 183 9.0 10.1 15.1#





#79

Terphenyl-d14

Concen: 99.516 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

Instrument :

BNA_G

ClientSampleId :

MW-102I

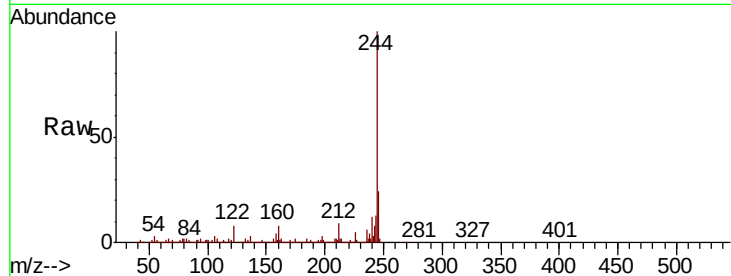
Tot Ion:244 Resp: 1938831

Ion Ratio Lower Upper

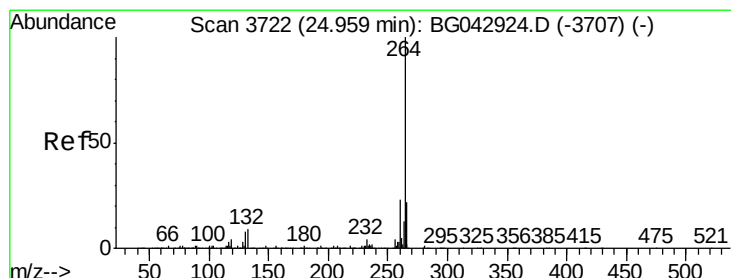
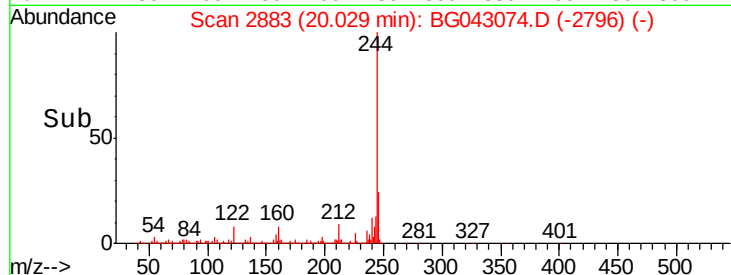
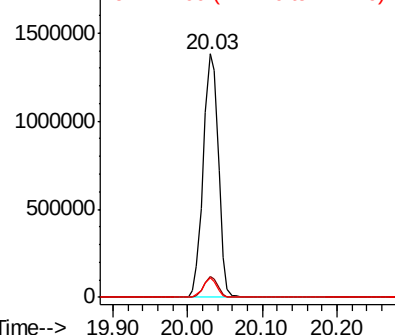
244 100

212 8.6 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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3713

Delta R.T. -0.05 min

Lab File: BG043074.D

Acq: 7 Oct 2019 19:10

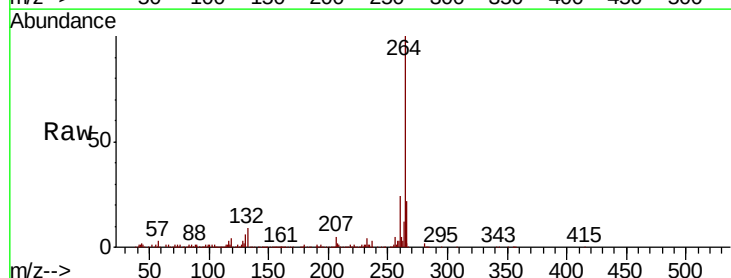
Tgt Ion:264 Resp: 479479

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.8 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

