

Data File : BG044058.D
Acq On : 15 Jan 2020 20:28
Operator : JU
Sample : L1123-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWP-01

Quant Time: Jan 16 08:12:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	99632	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	414659	20.00	ng	-0.02
39) Acenaphthene-d10	14.57	164	279471	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	617248	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	534300	20.00	ng	-0.03
87) Perylene-d12	24.67	264	597032	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	258532	47.64	ng	-0.02
7) Phenol-d6	7.11	99	239164	31.53	ng	-0.02
23) Nitrobenzene-d5	9.10	82	560123	72.26	ng	-0.02
42) 2,4,6-Tribromophenol	16.06	330	266888	91.26	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1230994	79.80	ng	-0.02
79) Terphenyl-d14	19.93	244	1834821	82.03	ng	-0.02

Target Compounds				Qvalue		
10) Phenol	7.14	94	17065	2.184	ng	96
19) n-Nitroso-di-n-propylamine	9.10	70	74489	13.187	ng	# 75
32) Benzoic acid	10.04	122	60	6.274	ng	# 72
50) Dimethylphthalate	14.03	163	314346	15.841	ng	97
54) 2,4-Dinitrophenol	14.33	184	55	5.505	ng	# 20
57) 2,4-Dinitrotoluene	14.57	165	35984	5.896	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1068	4.695	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	18987	2.735	ng	# 1
77) Benzidine	19.93	184	32680	2.433	ng	# 96

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

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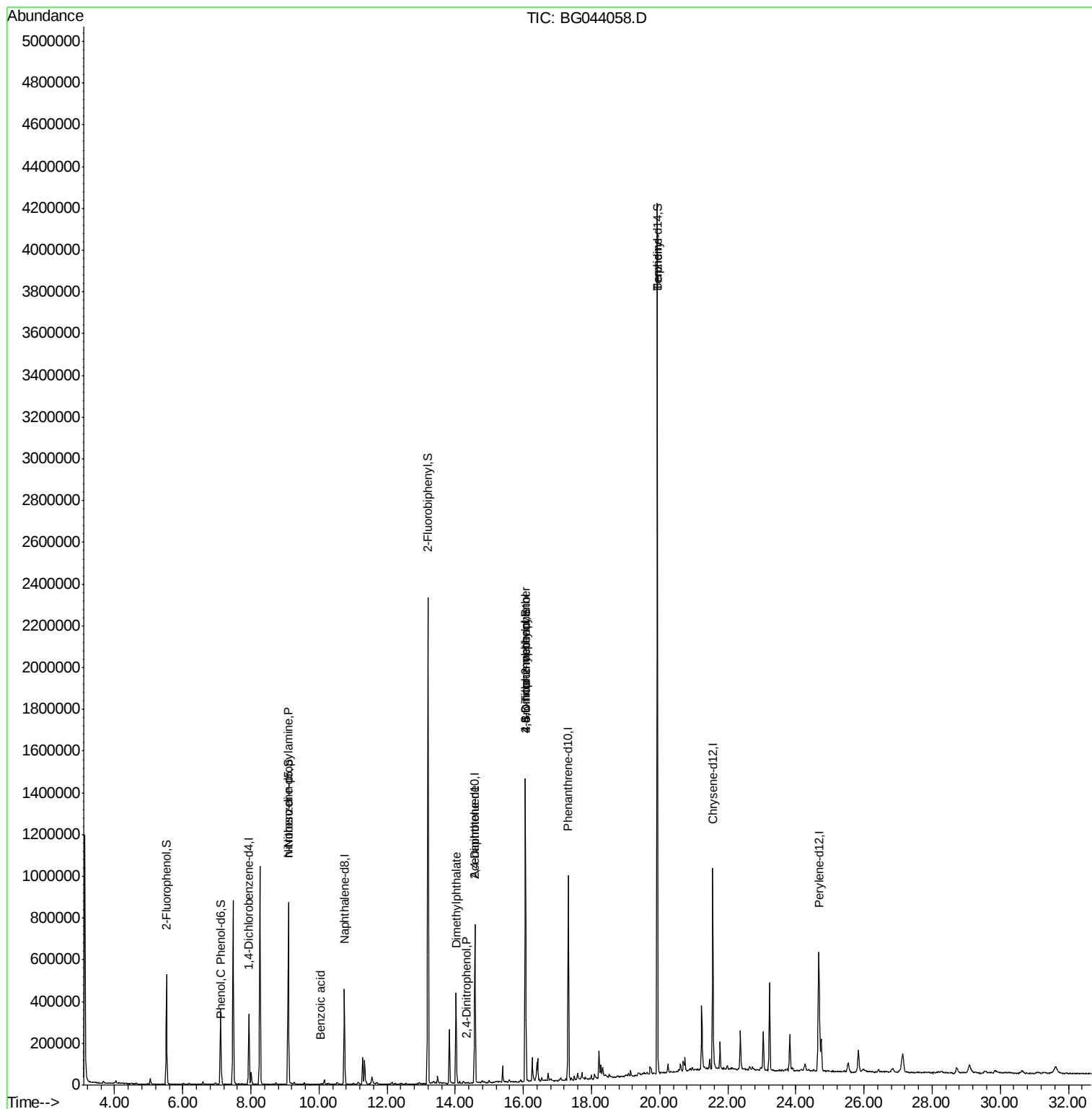
Quant Time: Jan 16 08:12:57 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

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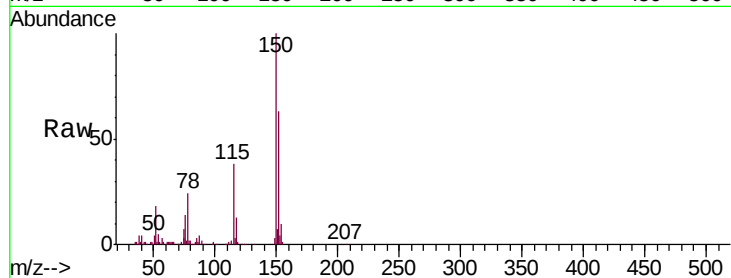


#1

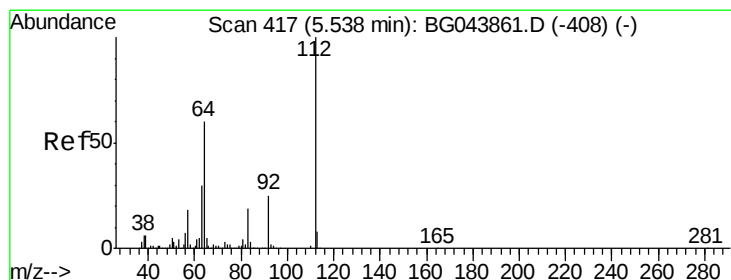
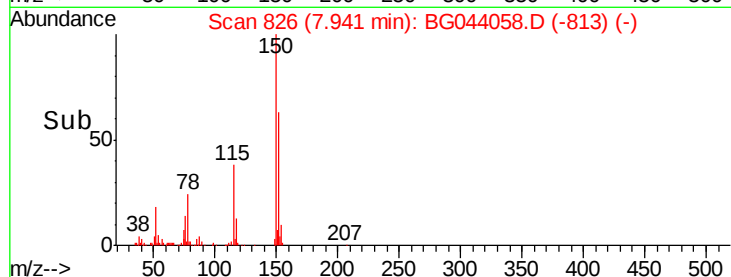
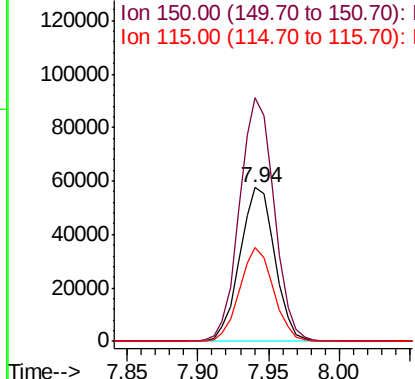
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

Instrument :
BNA_G
ClientSampleId :
TWP-01

Tgt Ion:152 Resp: 99632
Ion Ratio Lower Upper
152 100
150 158.2 127.0 190.4
115 60.9 47.8 71.8



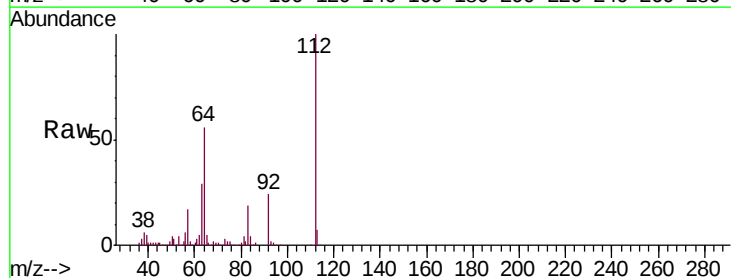
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



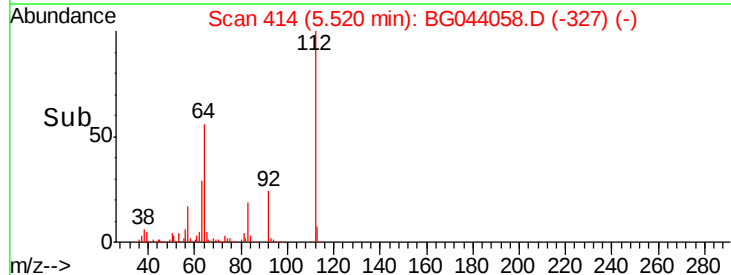
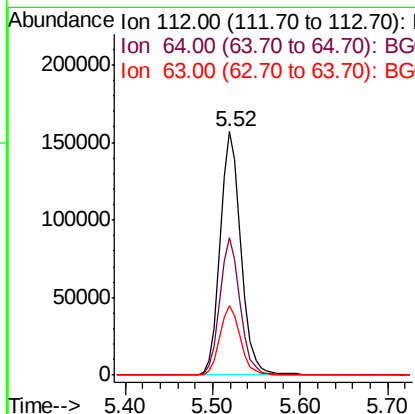
#5

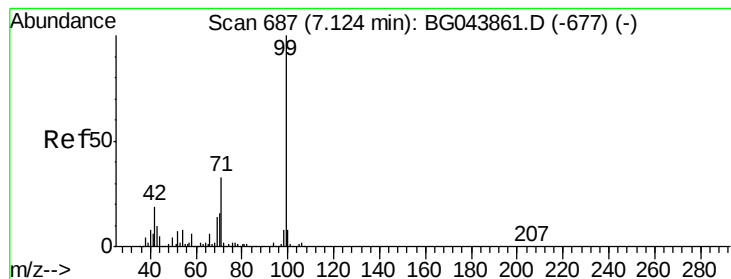
2-Fluorophenol
Concen: 47.645 ng
RT: 5.52 min Scan# 414
Delta R.T. -0.02 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

Tgt Ion:112 Resp: 258532
Ion Ratio Lower Upper
112 100
64 56.3 47.8 71.6
63 28.7 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 31.532 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.02 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

Instrument :

BNA_G

ClientSampleId :

TWP-01

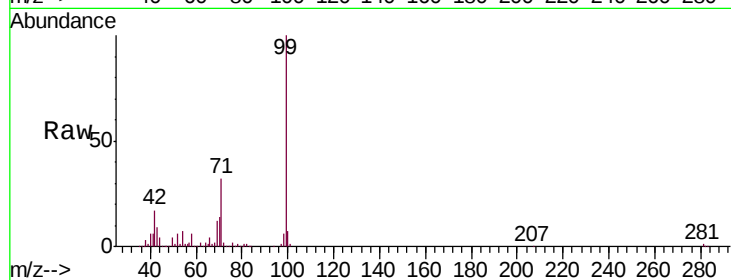
Tgt Ion: 99 Resp: 239164

Ion Ratio Lower Upper

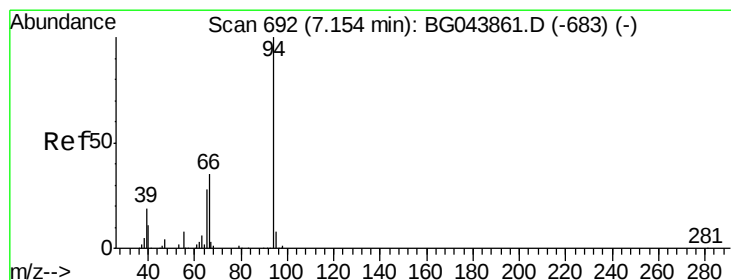
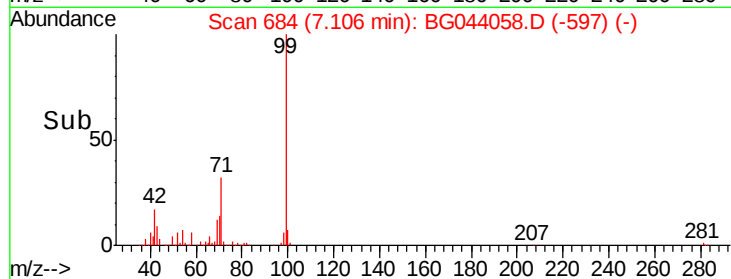
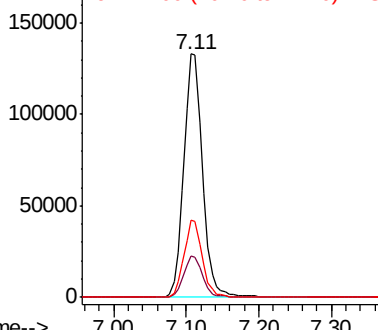
99 100

42 17.1 14.9 22.3

71 31.6 26.4 39.6



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



#10

Phenol

Concen: 2.184 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.02 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

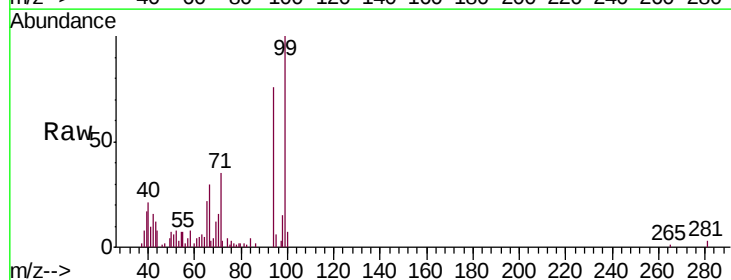
Tgt Ion: 94 Resp: 17065

Ion Ratio Lower Upper

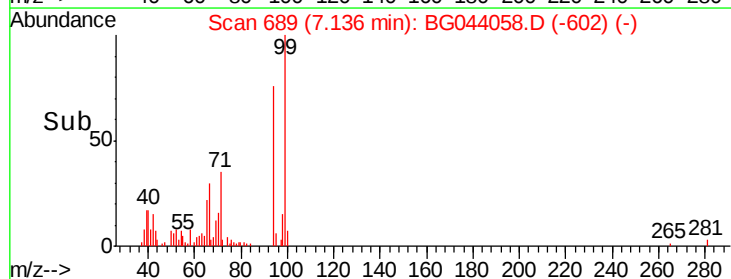
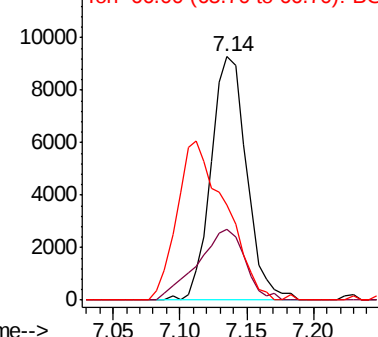
94 100

65 29.2 8.1 48.1

66 39.0 15.6 55.6



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

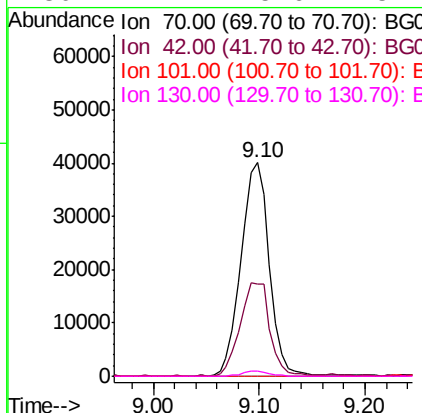
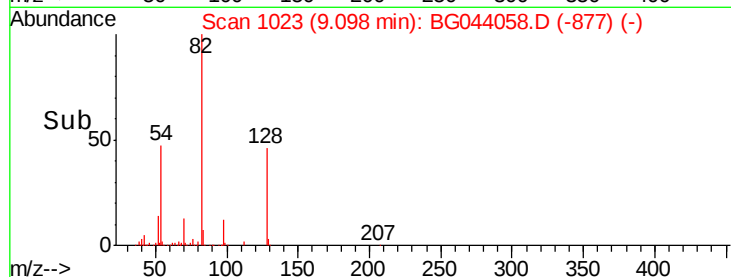
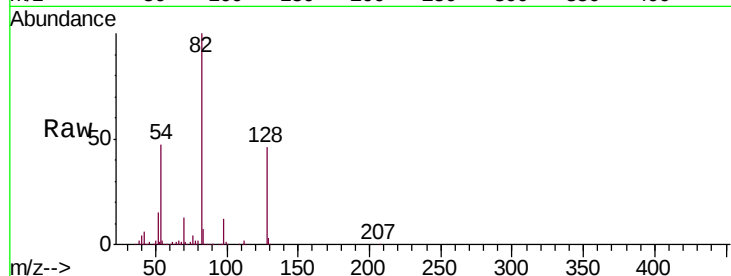




#19
n-Nitroso-di-n-propylamine
Concen: 13.187 ng
RT: 9.10 min Scan# 1023
Delta R.T. 0.33 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

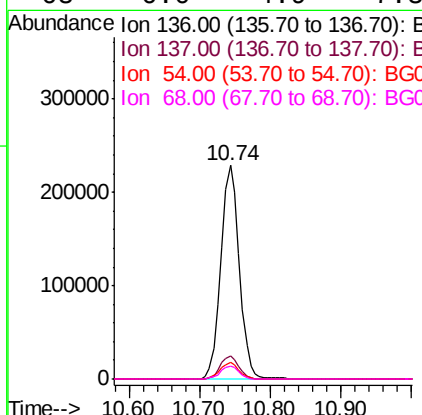
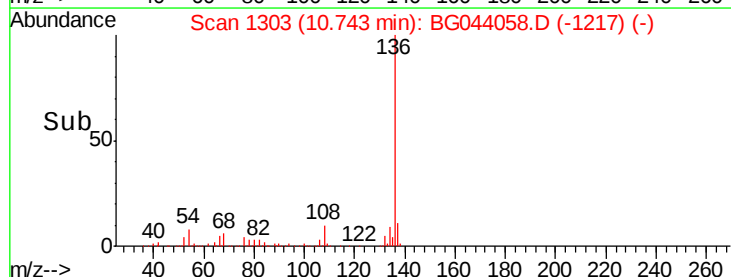
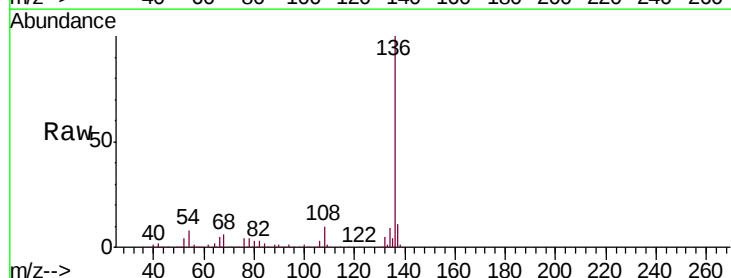
Instrument :
BNA_G
ClientSampleId :
TWP-01

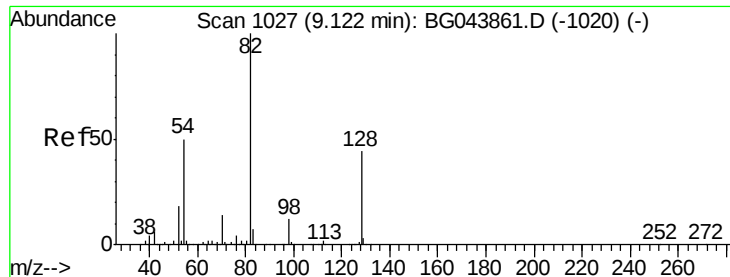
Tgt Ion: 70 Resp: 74489
Ion Ratio Lower Upper
70 100
42 43.4 47.0 70.4#
101 0.0 7.2 10.8#
130 2.2 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

Tgt Ion: 136 Resp: 414659
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.6 7.0 10.4
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 72.262 ng

RT: 9.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

Instrument :

BNA_G

ClientSampleId :

TWP-01

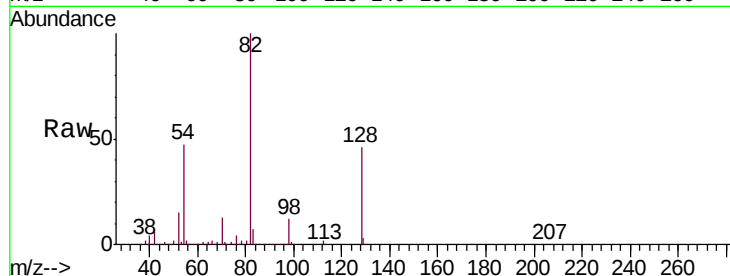
Tgt Ion: 82 Resp: 560123

Ion Ratio Lower Upper

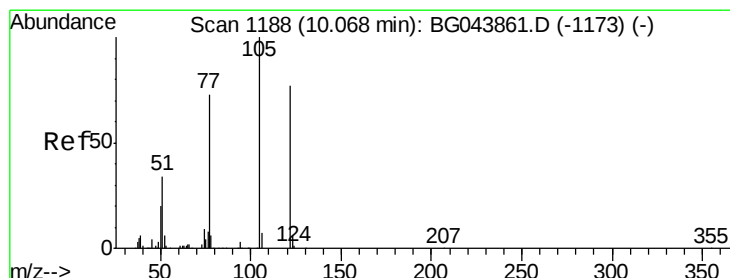
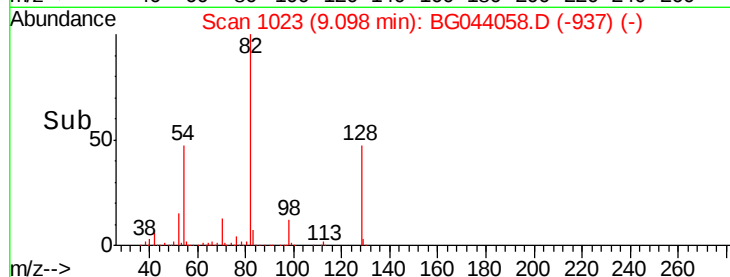
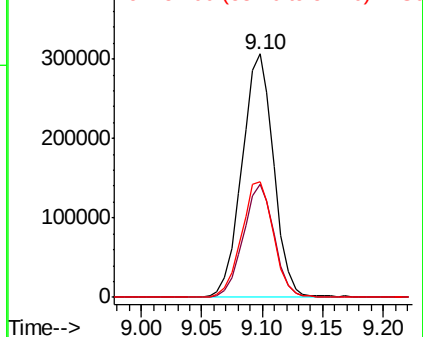
82 100

128 46.5 35.1 52.7

54 47.4 40.1 60.1



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



#32

Benzoic acid

Concen: 6.274 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.03 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

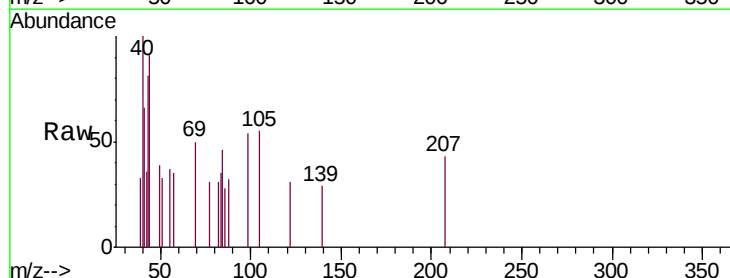
Tgt Ion: 122 Resp: 60

Ion Ratio Lower Upper

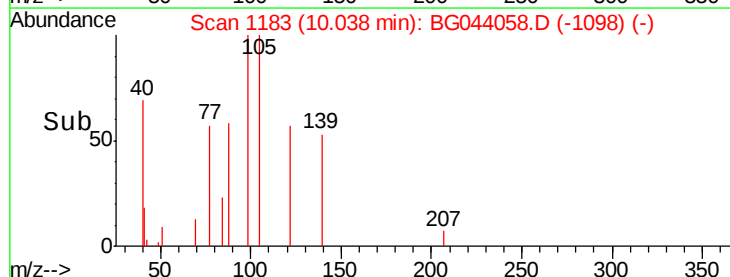
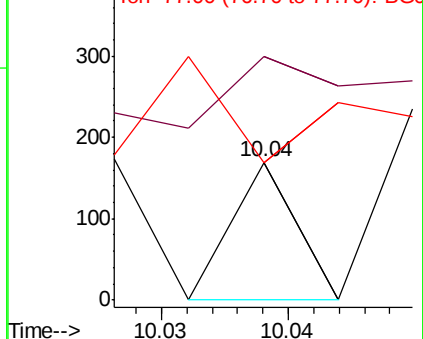
122 100

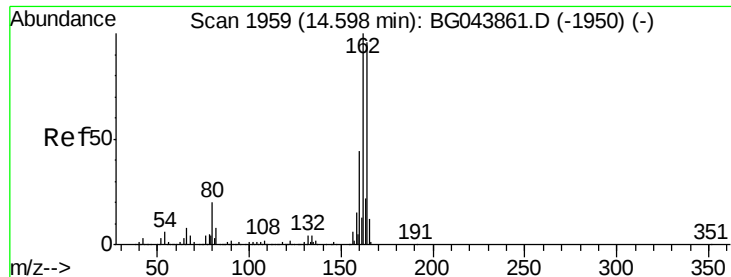
105 176.9 106.4 146.4#

77 100.0 74.6 114.6



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

Instrument :

BNA_G

ClientSampleId :

TWP-01

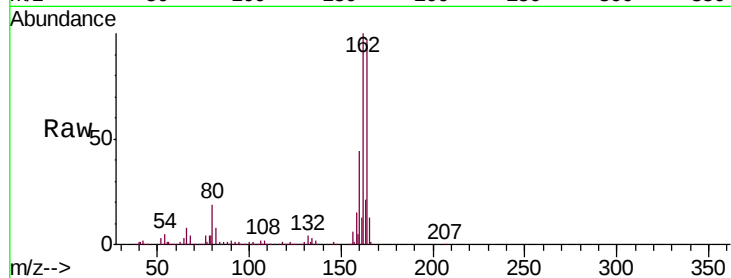
Tgt Ion:164 Resp: 279471

Ion Ratio Lower Upper

164 100

162 103.3 83.0 124.4

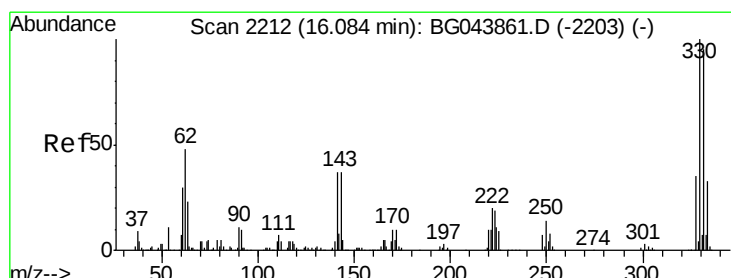
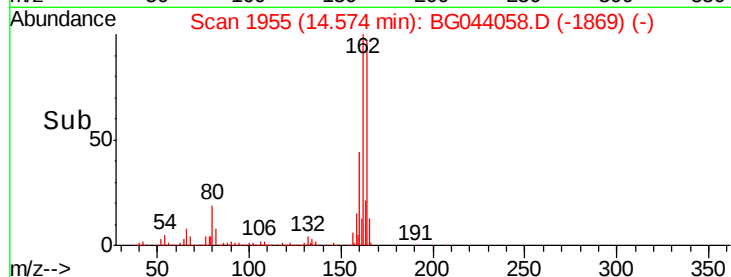
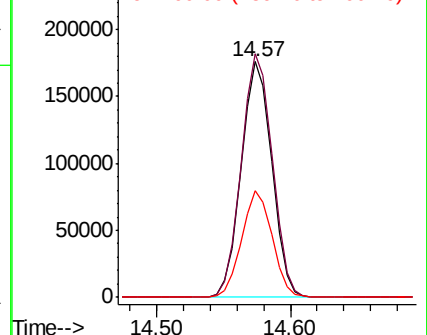
160 45.4 36.1 54.1



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: 91.256 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

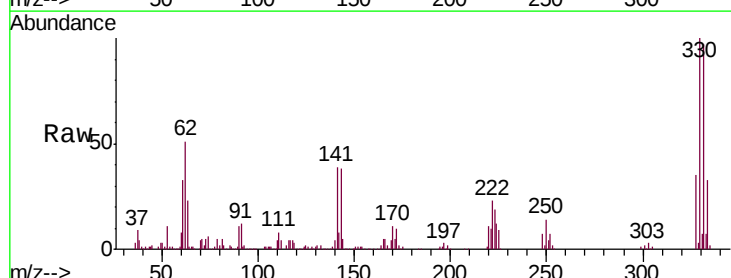
Tgt Ion:330 Resp: 266888

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

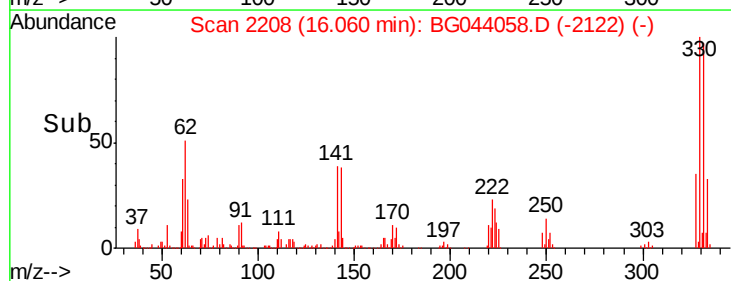
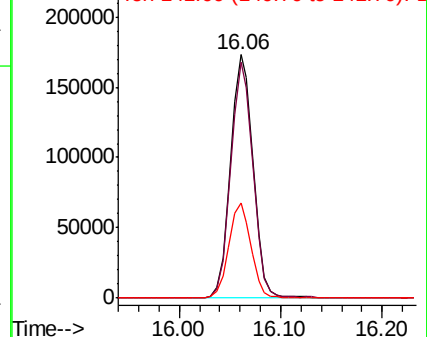
141 38.4 33.1 49.7

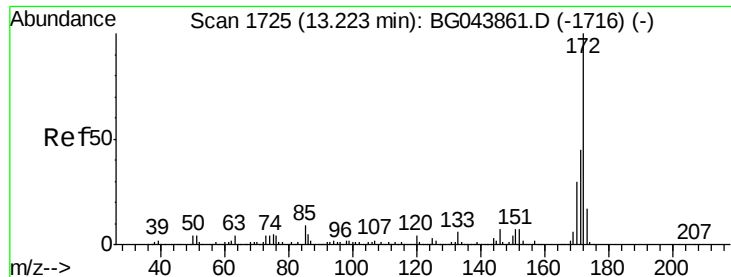


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

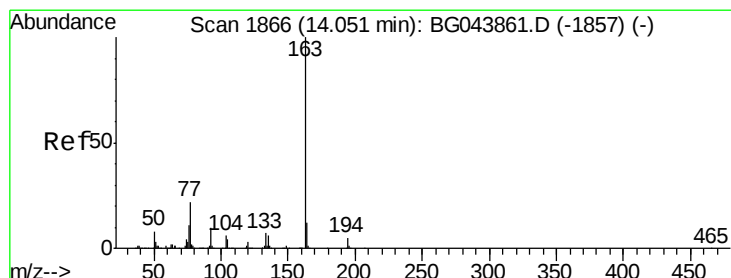
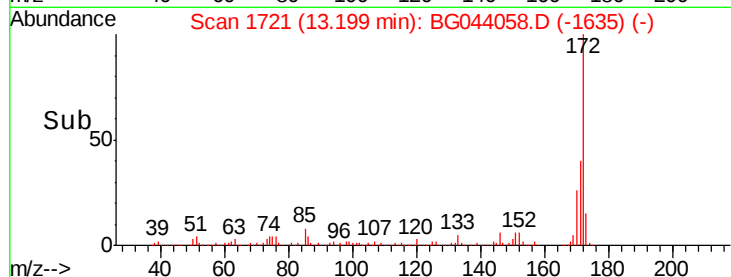
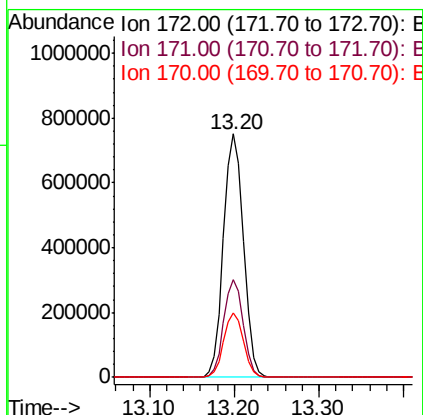
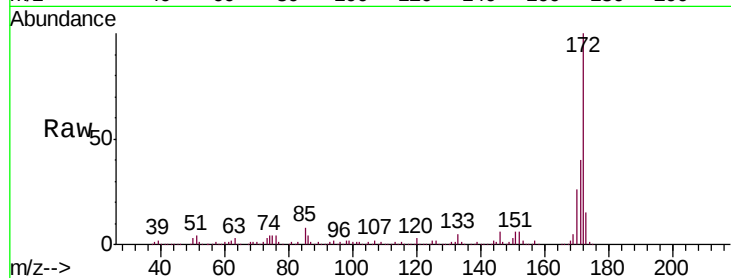




#45
2-Fluorobiphenyl
Concen: 79.804 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.02 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

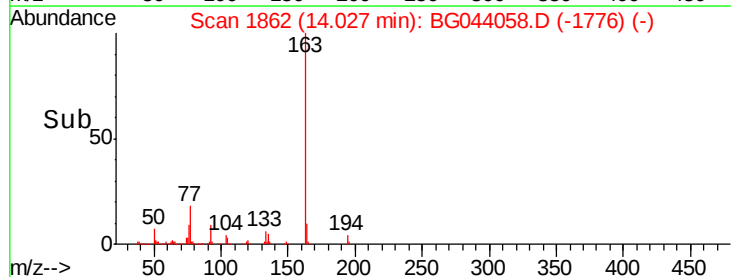
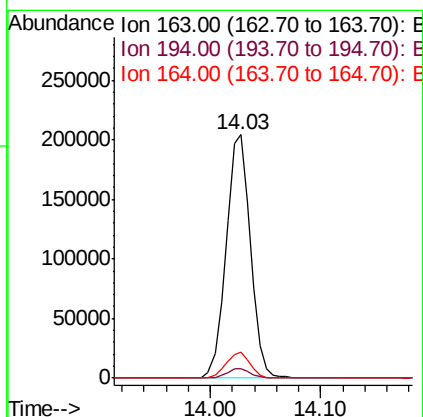
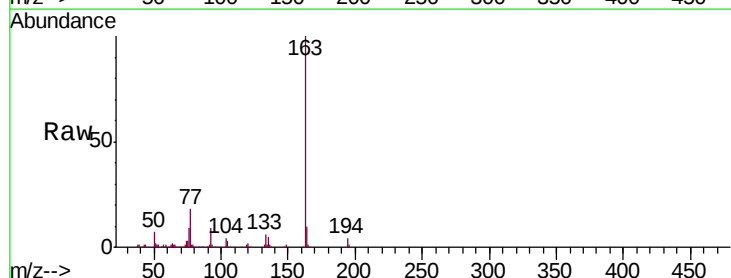
Instrument :
BNA_G
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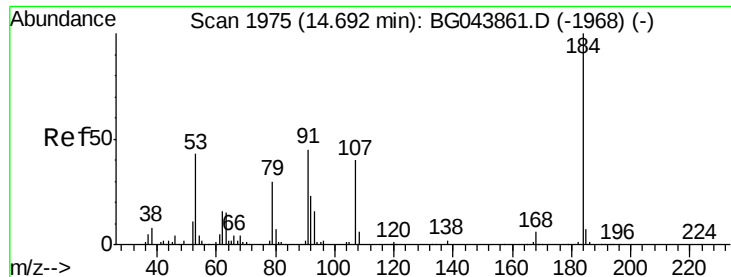
Tgt Ion:172 Resp: 1230994
Ion Ratio Lower Upper
172 100
171 39.9 35.8 53.8
170 26.4 24.2 36.4



#50
Dimethylphthalate
Concen: 15.841 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

Tgt Ion:163 Resp: 314346
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 10.4 9.3 13.9

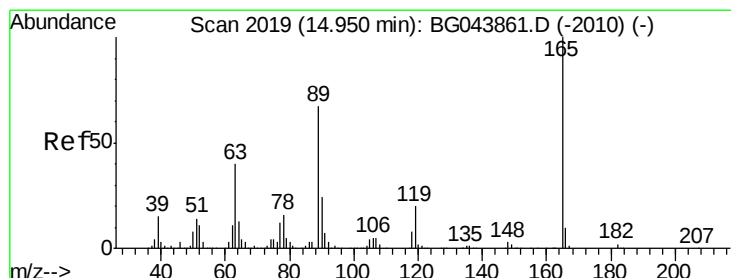
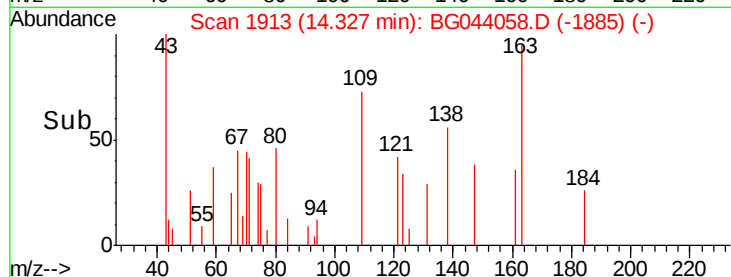
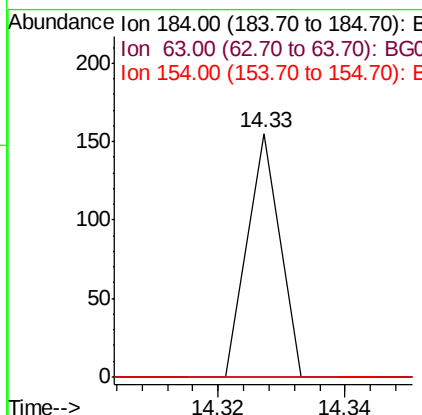
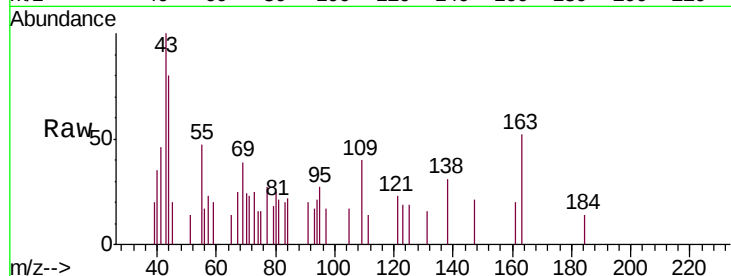




#54
2,4-Dinitrophenol
Concen: 5.505 ng
RT: 14.33 min Scan# 1913
Delta R.T. -0.36 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

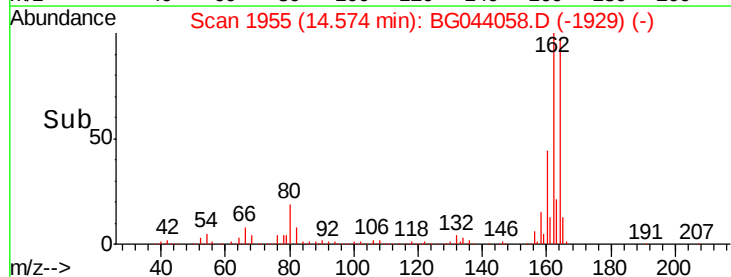
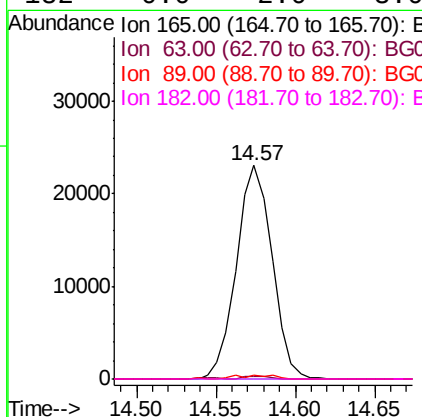
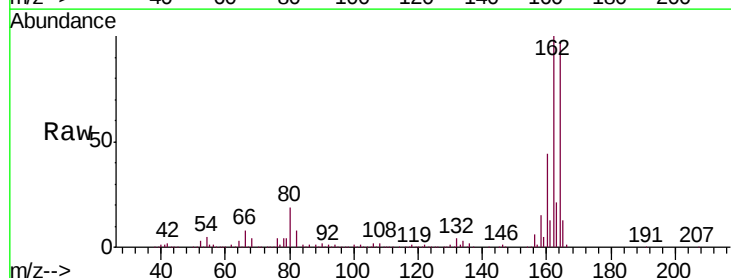
Instrument :
BNA_G
ClientSampled :
TWP-01

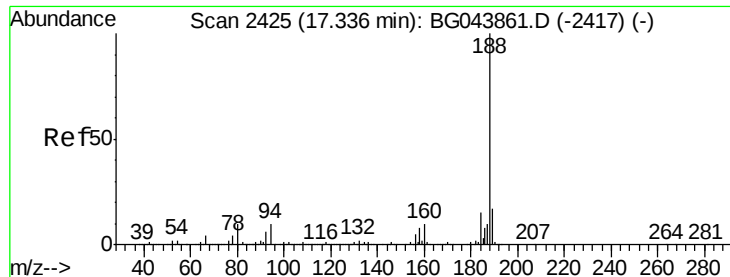
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 46.6 70.0#
154 0.0 50.2 75.4#



#57
2,4-Dinitrotoluene
Concen: 5.896 ng
RT: 14.57 min Scan# 1955
Delta R.T. -0.38 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

Tgt Ion:165 Resp: 35984
Ion Ratio Lower Upper
165 100
63 1.3 31.9 47.9#
89 1.6 53.8 80.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.02 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

Instrument :

BNA_G

ClientSampleId :

TWP-01

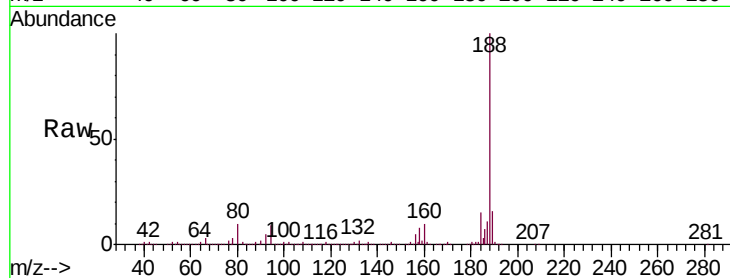
Tgt Ion:188 Resp: 617248

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

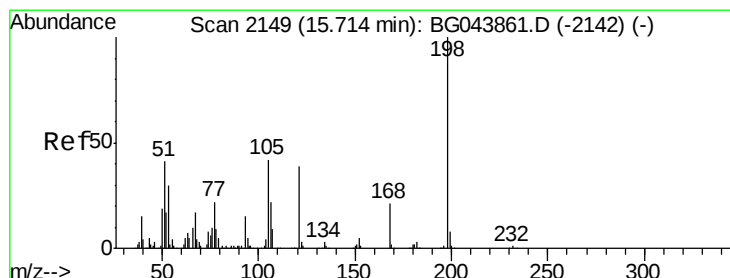
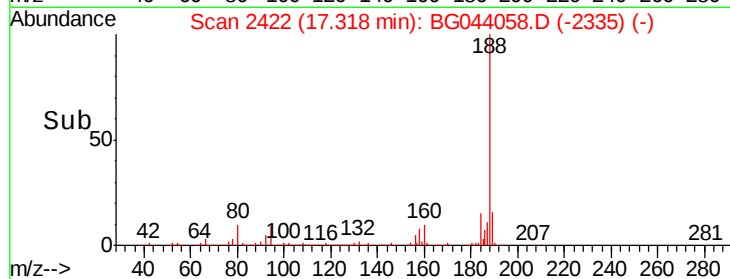
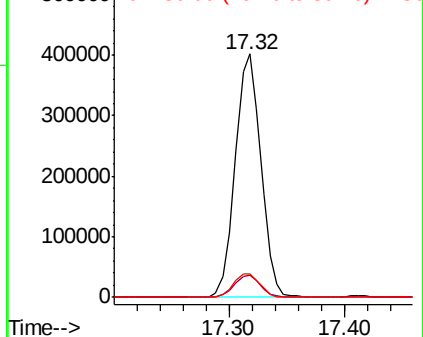
80 9.7 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.695 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

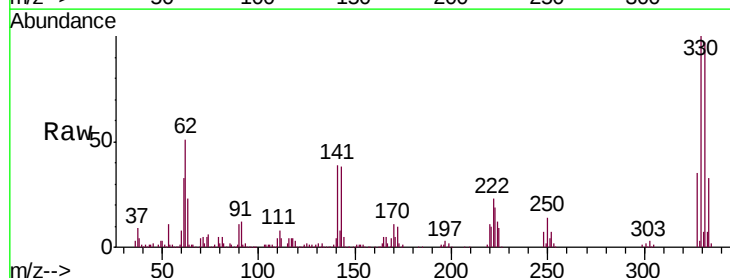
Tgt Ion:198 Resp: 1068

Ion Ratio Lower Upper

198 100

51 136.3 22.5 62.5#

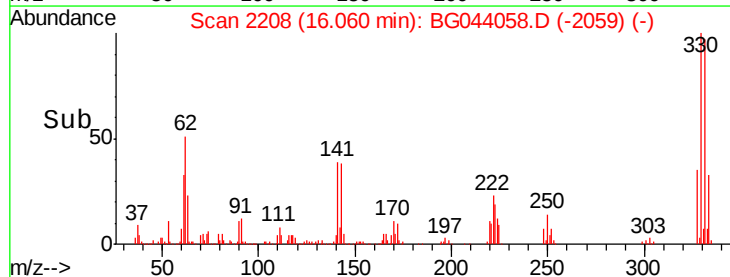
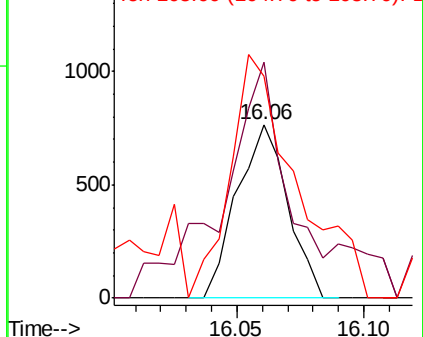
105 128.2 22.3 62.3#

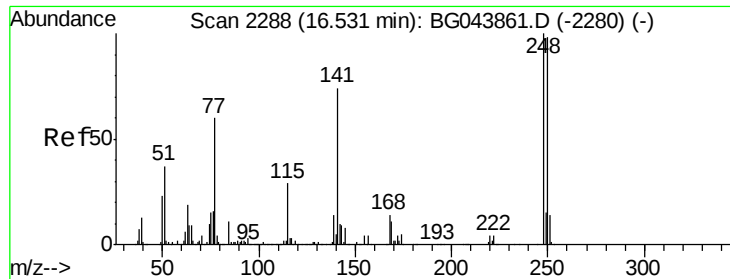


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

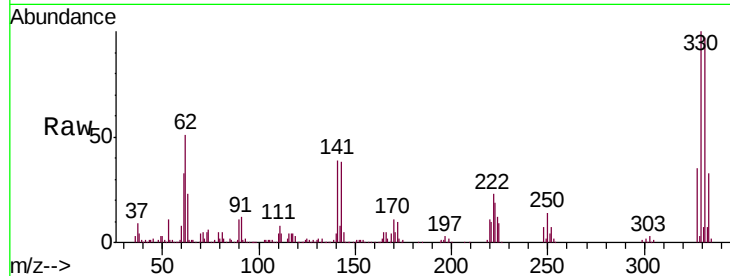




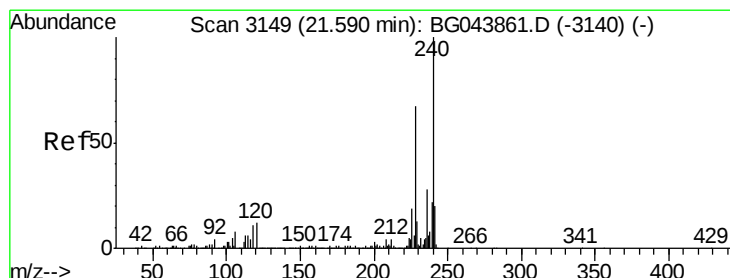
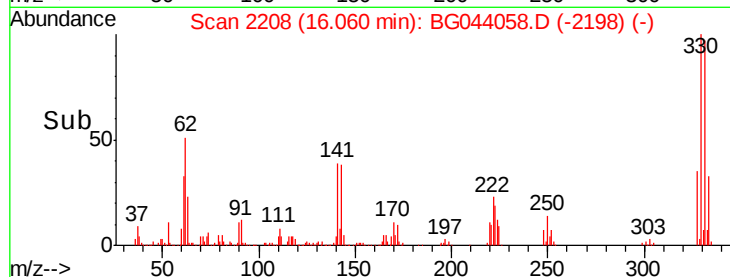
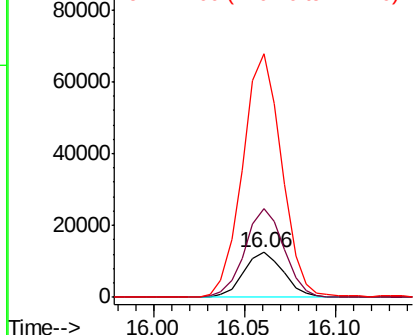
#67
 4-Bromophenyl-phenylether
 Concen: 2.735 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.47 min
 Lab File: BG044058.D
 Acq: 15 Jan 2020 20:28

Instrument :
 BNA_G
 ClientSampleId :
 TWP-01

Tgt Ion:248 Resp: 18987
 Ion Ratio Lower Upper
 248 100
 250 198.8 78.2 117.2#
 141 545.9 59.3 88.9#

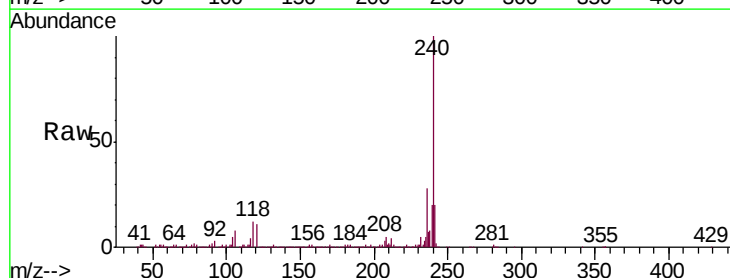


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

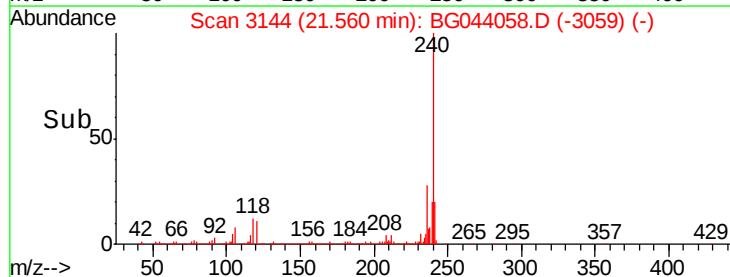
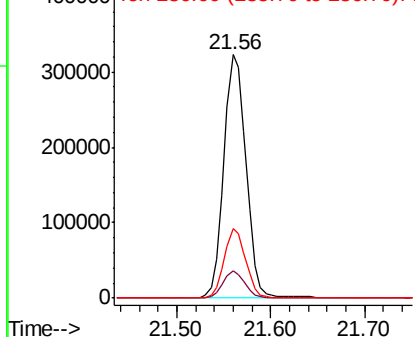


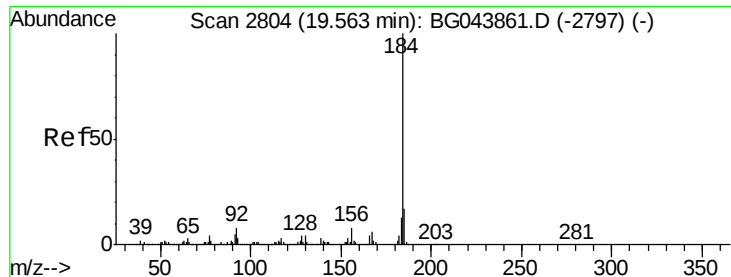
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3144
 Delta R.T. -0.03 min
 Lab File: BG044058.D
 Acq: 15 Jan 2020 20:28

Tgt Ion:240 Resp: 534300
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.6 14.4
 236 28.4 22.2 33.2



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: 2.433 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

Instrument :

BNA_G

ClientSampleId :

TWP-01

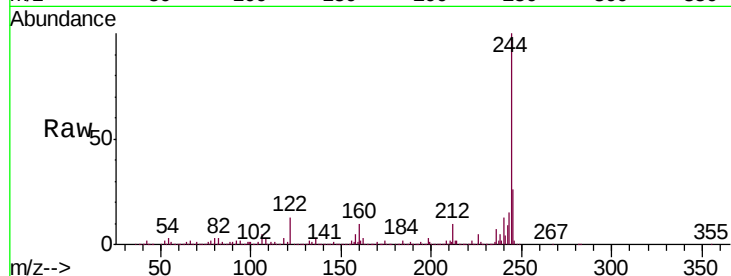
Tgt Ion:184 Resp: 32680

Ion Ratio Lower Upper

184 100

185 16.6 13.4 20.0

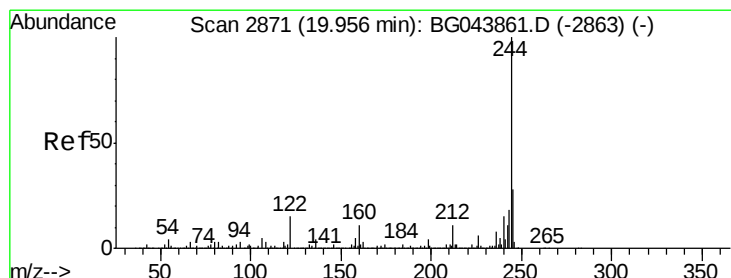
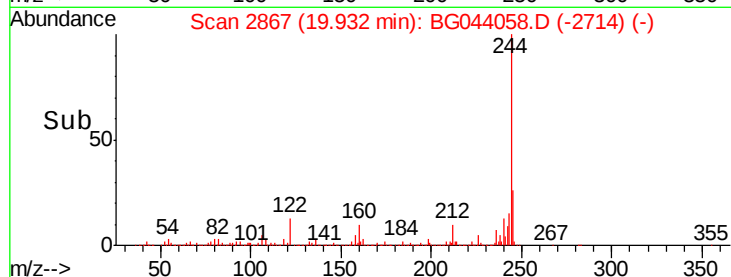
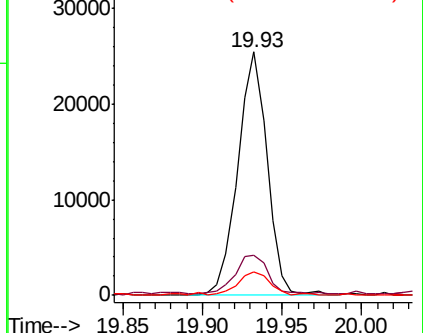
183 9.5 10.6 15.8#



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: 82.028 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044058.D

Acq: 15 Jan 2020 20:28

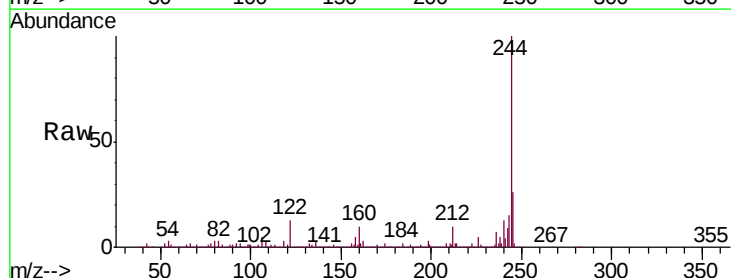
Tgt Ion:244 Resp: 1834821

Ion Ratio Lower Upper

244 100

212 9.8 8.6 13.0

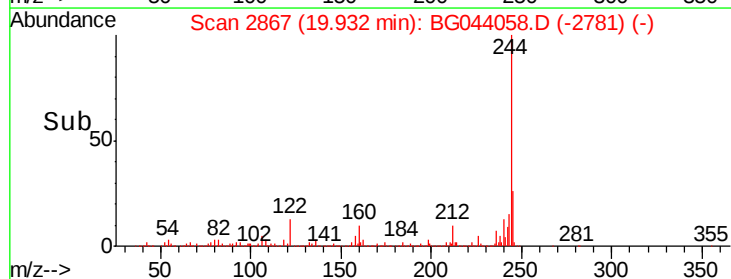
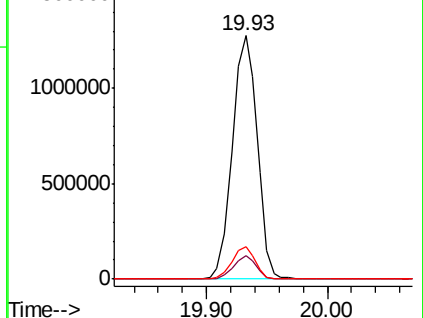
122 13.1 11.9 17.9

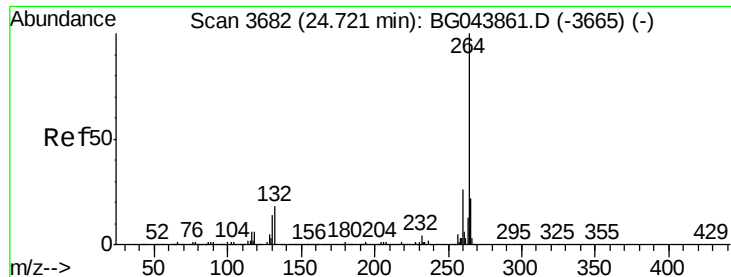


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.67 min Scan# 3674
Delta R.T. -0.05 min
Lab File: BG044058.D
Acq: 15 Jan 2020 20:28

Instrument :
BNA_G
ClientSampleId :
TWP-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.4	30.6
265	22.9	17.4	26.2

