

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
 Data File : BG044128.D
 Acq On : 21 Jan 2020 11:28
 Operator : JU
 Sample : L1162-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-5-(SETTLED)

Quant Time: Jan 21 12:14:47 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

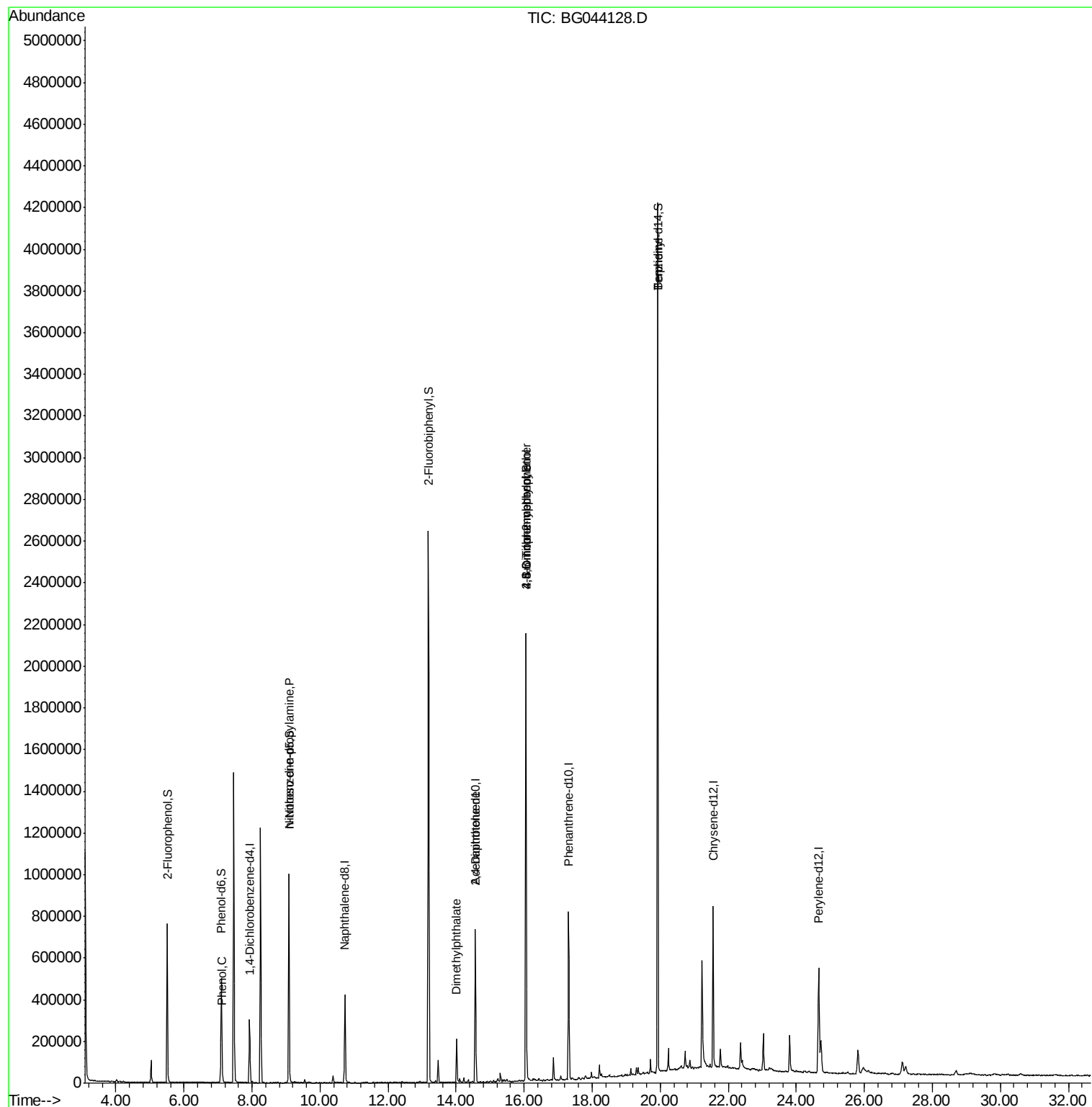
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	88457	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	397295	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	266565	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	528935	20.00	ng	-0.02
76) Chrysene-d12	21.55	240	447620	20.00	ng	-0.04
87) Perylene-d12	24.66	264	498217	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	367627	76.31	ng	-0.03
7) Phenol-d6	7.10	99	326321	48.46	ng	-0.02
23) Nitrobenzene-d5	9.09	82	633415	85.29	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	409147	146.67	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1463603	99.48	ng	-0.03
79) Terphenyl-d14	19.93	244	1857815	106.74	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	26665	3.84	ng	Qvalue 98
19) n-Nitroso-di-n-propylamine	9.09	70	83526	16.66	ng	# 80
50) Dimethylphthalate	14.02	163	157269	8.31	ng	97
57) 2,4-Dinitrotoluene	14.56	165	35756	6.14	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1687	4.95	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	28781	4.84	ng	# 1
77) Benidine	19.93	184	34253	3.04	ng	# 88

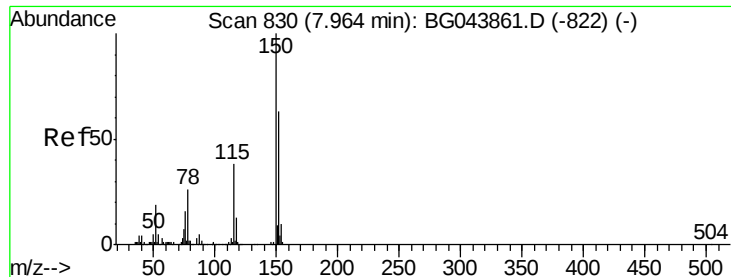
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 31 13:32:23 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.93 min Scan# 824

Delta R.T. -0.04 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

Instrument :

BNA_G

ClientSampleId :

MH-5-(SETTLED)

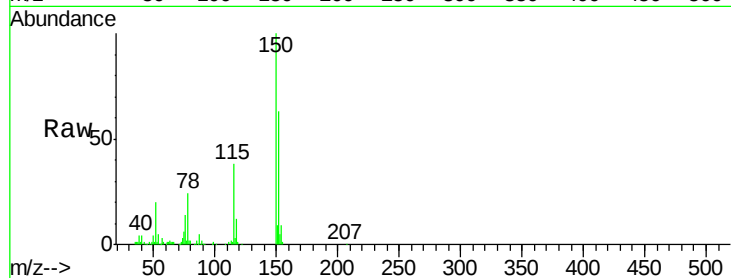
Tgt Ion:152 Resp: 88457

Ion Ratio Lower Upper

152 100

150 159.4 127.0 190.4

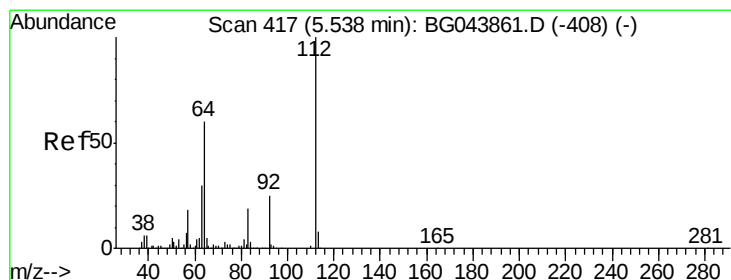
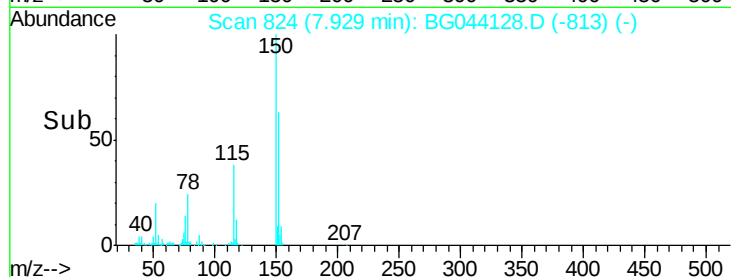
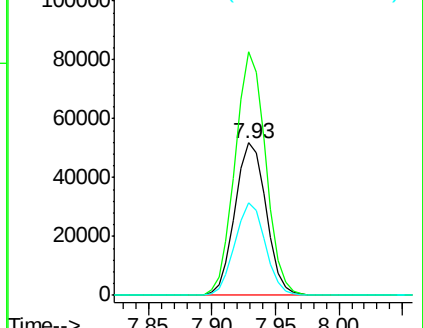
115 60.8 47.8 71.8



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: 76.31 ng

RT: 5.51 min Scan# 412

Delta R.T. -0.03 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

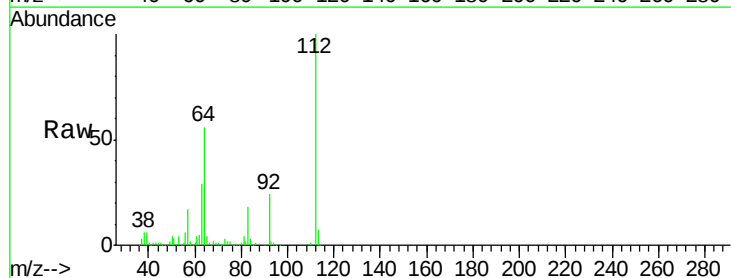
Tgt Ion:112 Resp: 367627

Ion Ratio Lower Upper

112 100

64 55.9 47.8 71.6

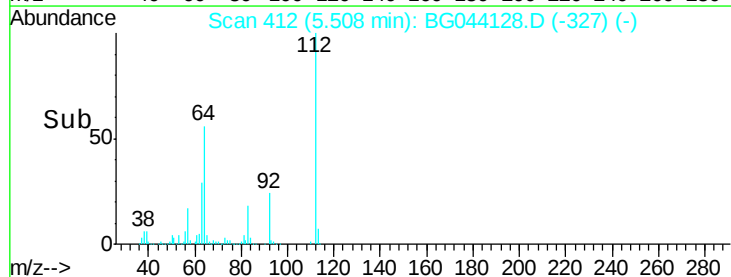
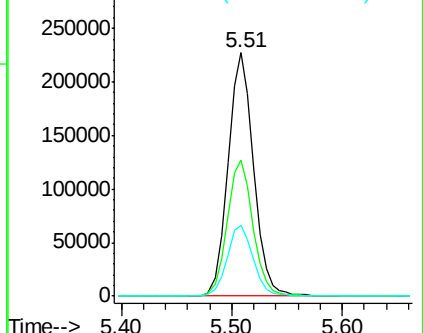
63 29.2 24.3 36.5

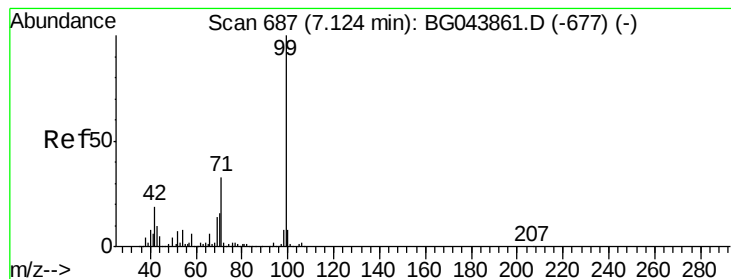


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 48.46 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

Instrument :

BNA_G

ClientSampleId :

MH-5-(SETTLED)

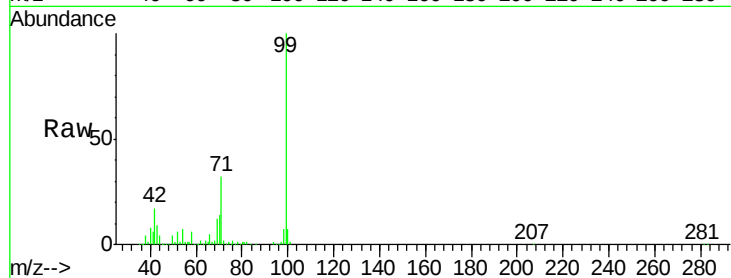
Tgt Ion: 99 Resp: 326321

Ion Ratio Lower Upper

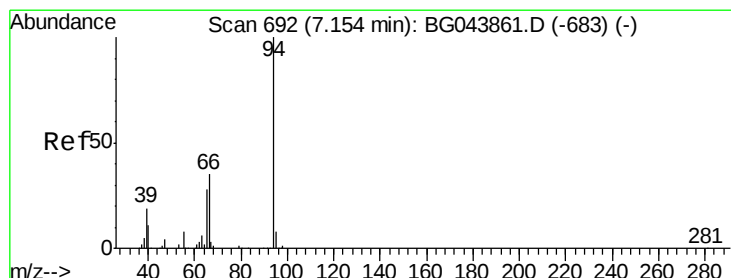
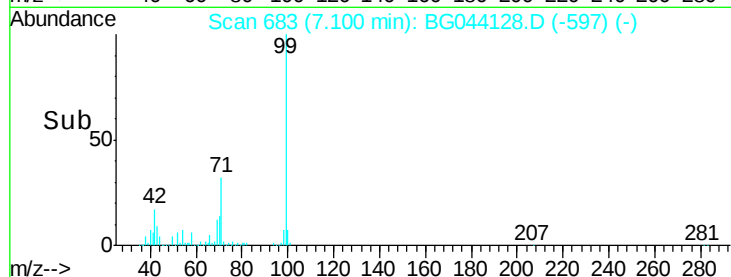
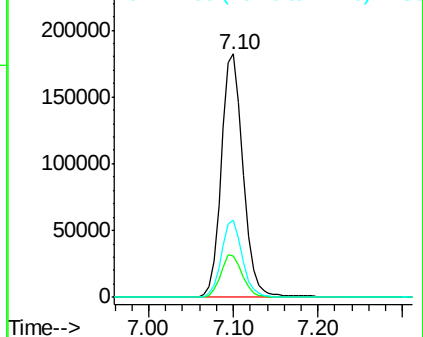
99 100

42 16.8 14.9 22.3

71 31.7 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: 3.84 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

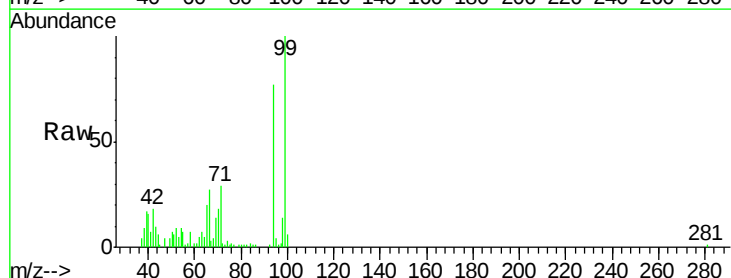
Tgt Ion: 94 Resp: 26665

Ion Ratio Lower Upper

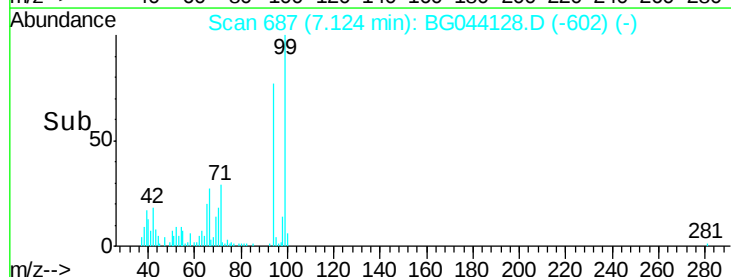
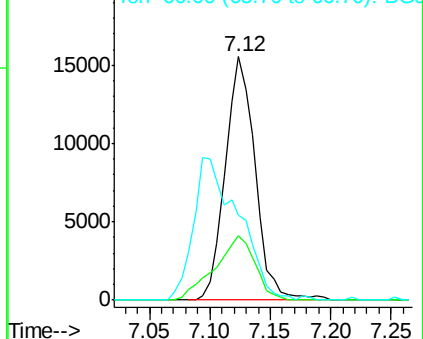
94 100

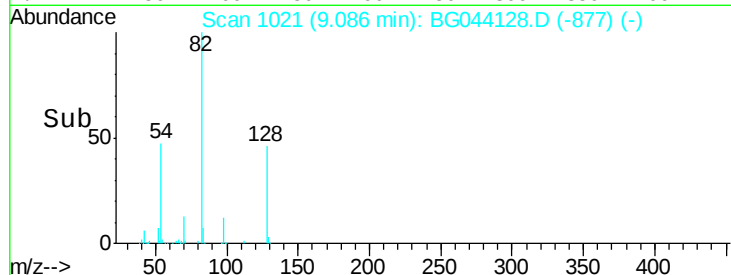
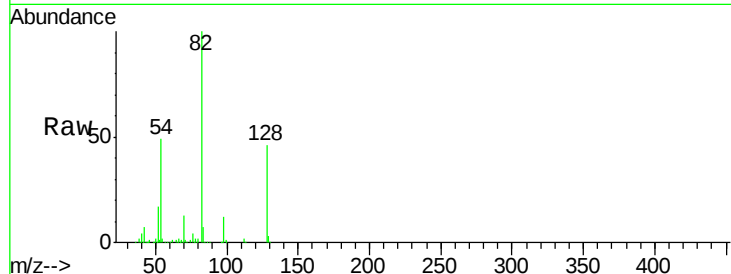
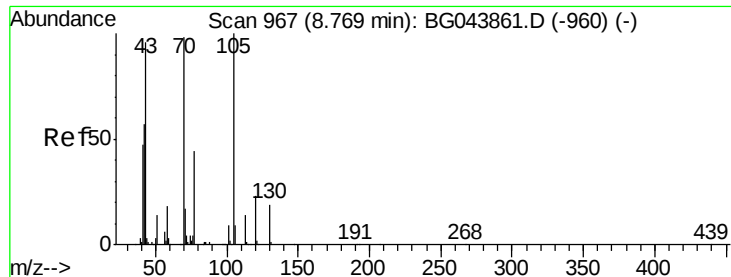
65 26.2 8.1 48.1

66 35.0 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

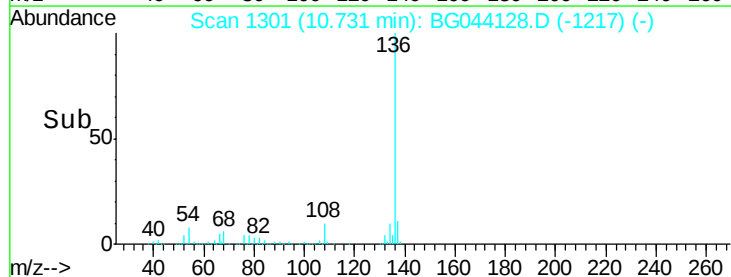
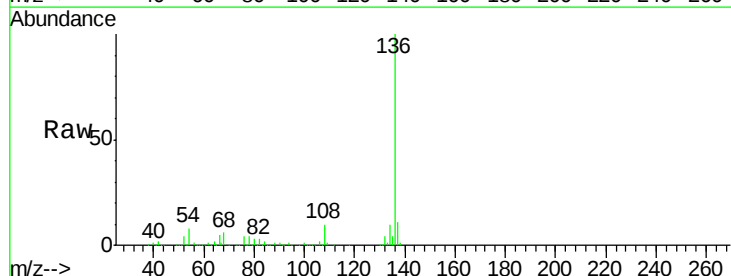
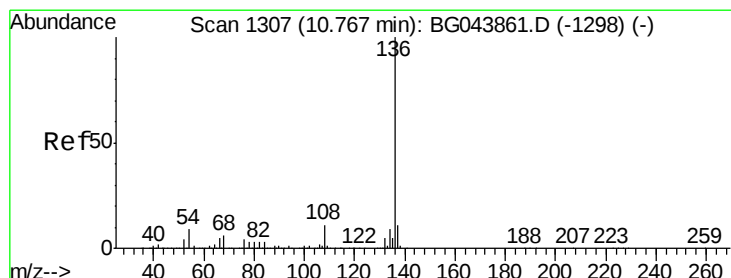
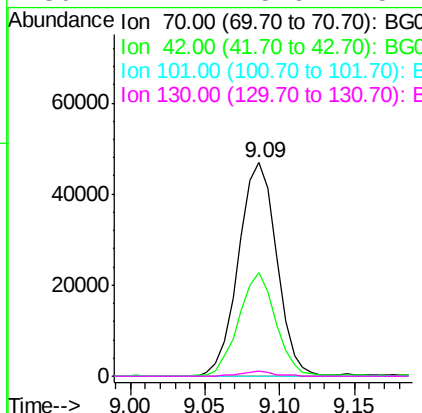




#19
n-Nitroso-di-n-propylamine
Concen: 16.66 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044128.D
Acq: 21 Jan 2020 11:28

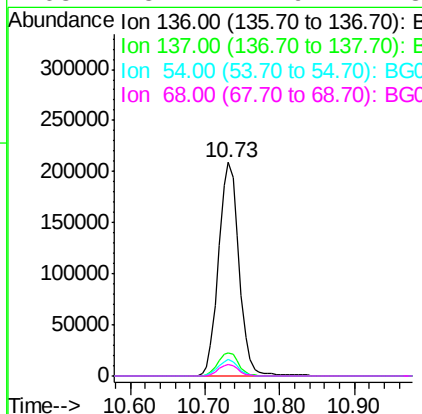
Instrument :
BNA_G
ClientSampleId :
MH-5-(SETTLED)

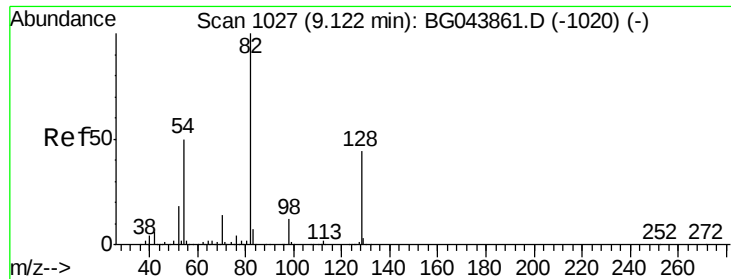
Tgt Ion: 70 Resp: 83526
Ion Ratio Lower Upper
70 100
42 48.6 47.0 70.4
101 0.0 7.2 10.8#
130 2.2 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044128.D
Acq: 21 Jan 2020 11:28

Tgt Ion: 136 Resp: 397295
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.0 7.0 10.4
68 5.7 4.9 7.3

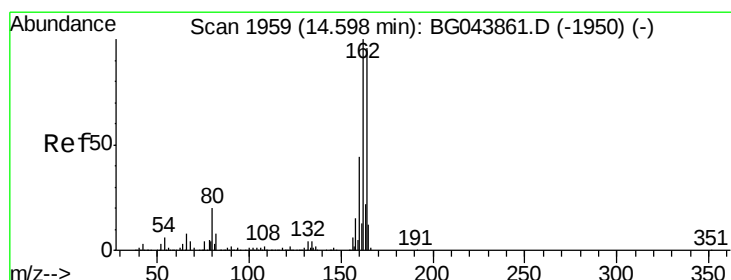
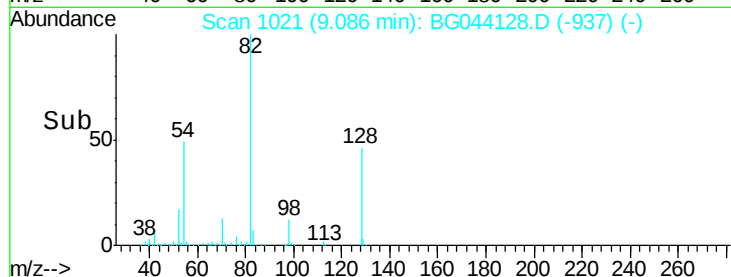
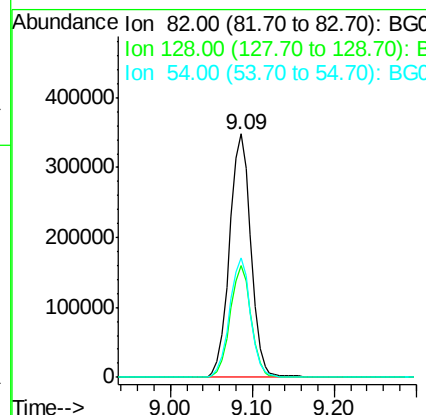
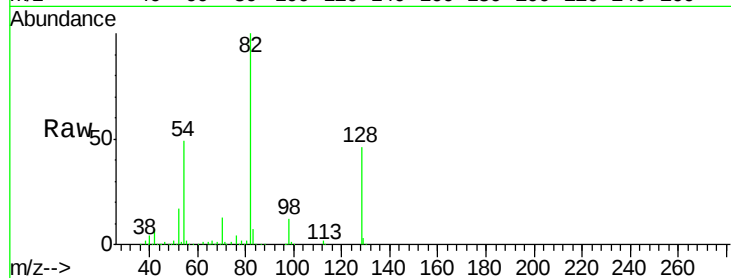




#23
 Nitrobenzene-d5
 Concen: 85.29 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.04 min
 Lab File: BG044128.D
 Acq: 21 Jan 2020 11:28

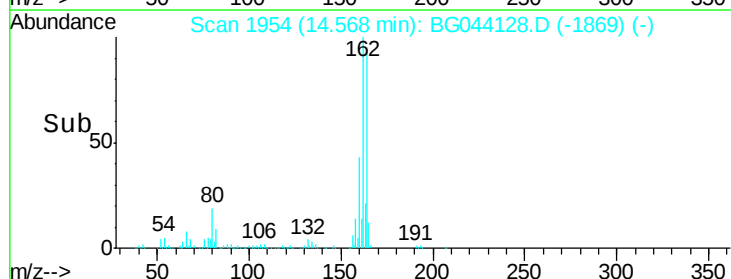
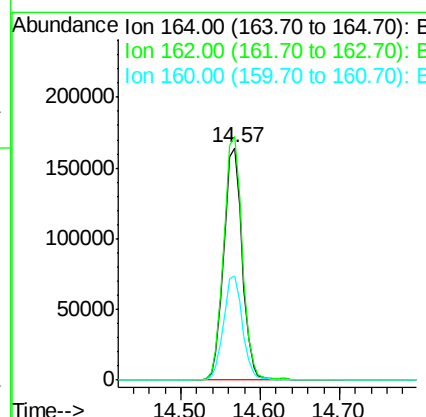
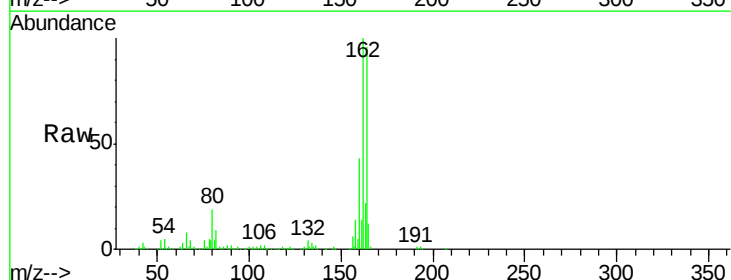
Instrument :
 BNA_G
 ClientSampleId :
 MH-5-(SETTLED)

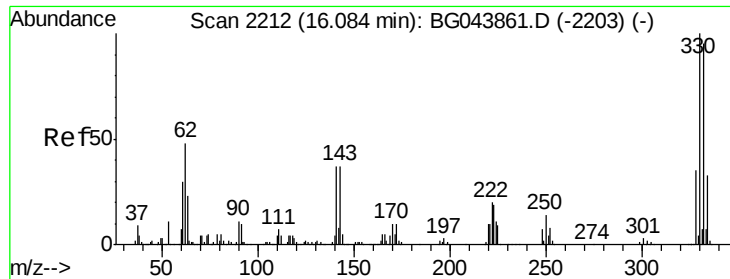
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.1	52.7
54	49.1	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.03 min
 Lab File: BG044128.D
 Acq: 21 Jan 2020 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.0	124.4
160	44.9	36.1	54.1

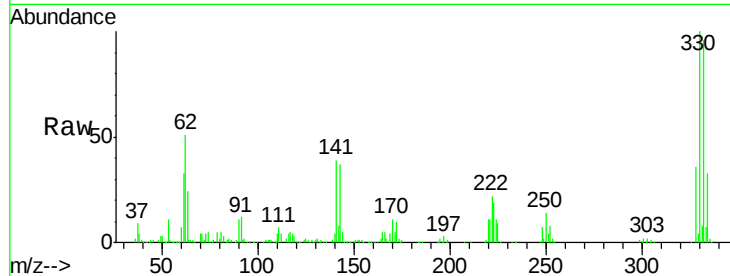




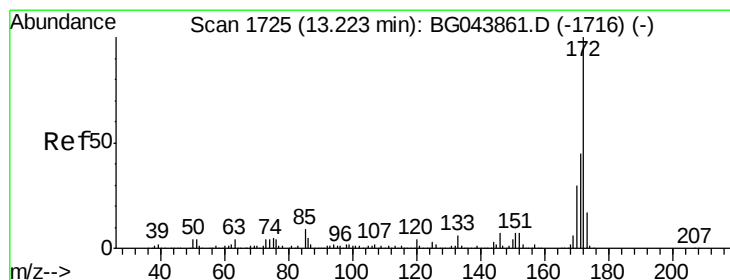
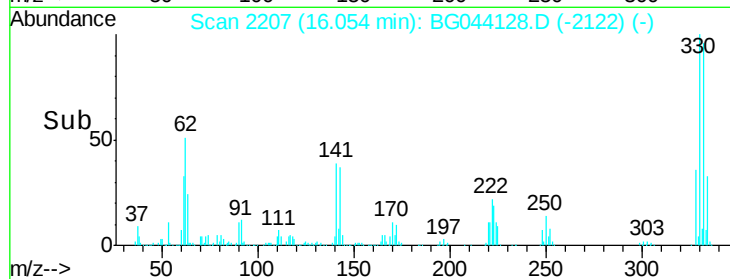
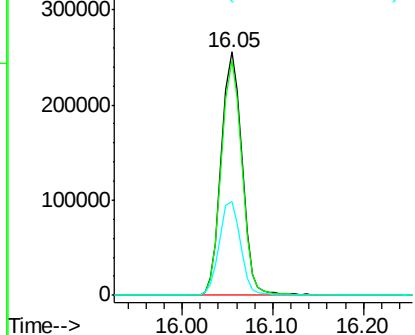
#42
 2,4,6-Tribromophenol
 Concen: 146.67 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044128.D
 Acq: 21 Jan 2020 11:28

Instrument :
 BNA_G
 ClientSampleId :
 MH-5-(SETTLED)

Tgt Ion:330 Resp: 409147
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.2 115.8
 141 39.3 33.1 49.7

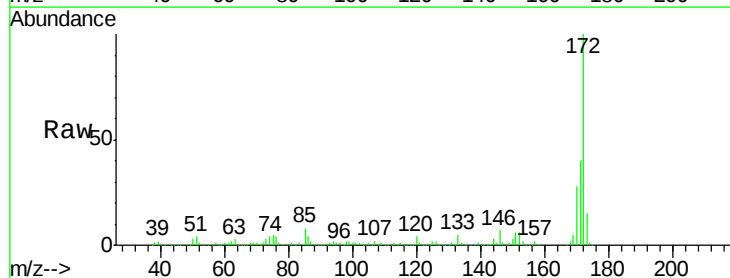


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

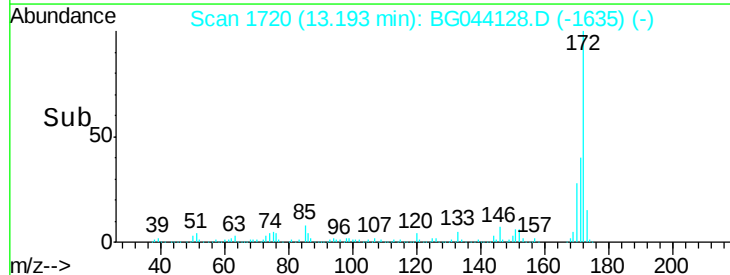
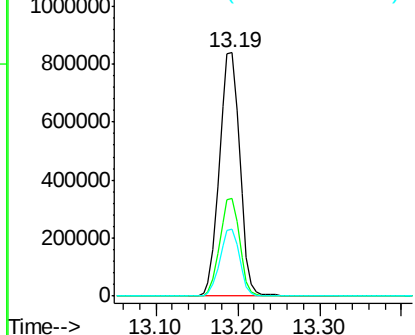


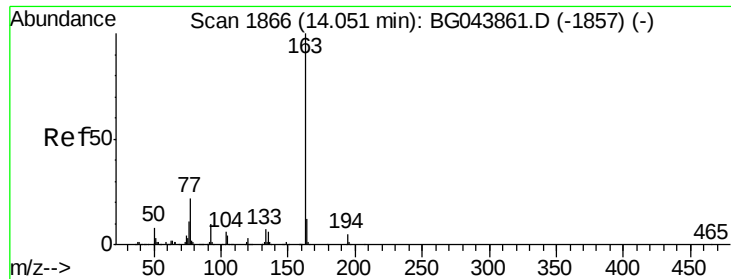
#45
 2-Fluorobiphenyl
 Concen: 99.48 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. -0.03 min
 Lab File: BG044128.D
 Acq: 21 Jan 2020 11:28

Tgt Ion:172 Resp: 1463603
 Ion Ratio Lower Upper
 172 100
 171 40.3 35.8 53.8
 170 27.5 24.2 36.4



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: 8.31 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.04 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

Instrument :

BNA_G

ClientSampleId :

MH-5-(SETTLED)

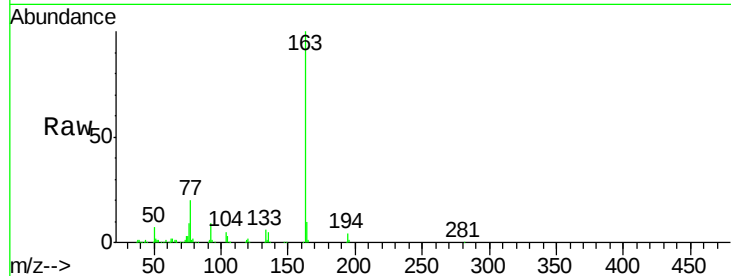
Tgt Ion:163 Resp: 157269

Ion Ratio Lower Upper

163 100

194 4.0 3.7 5.5

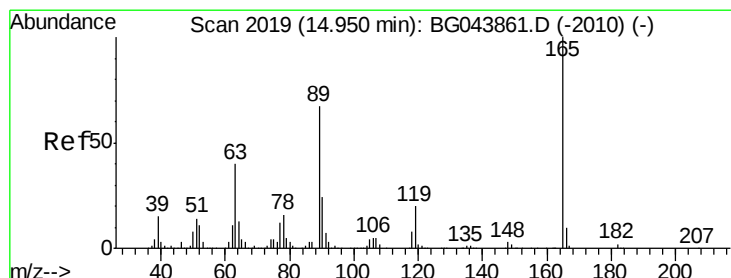
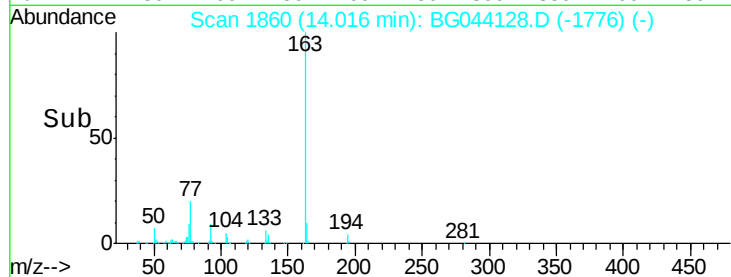
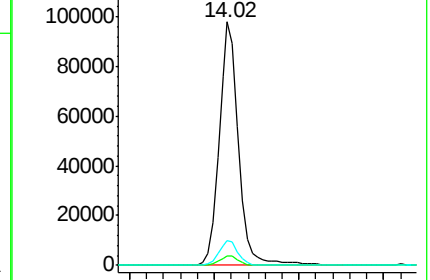
164 10.2 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 6.14 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

Tgt Ion:165 Resp: 35756

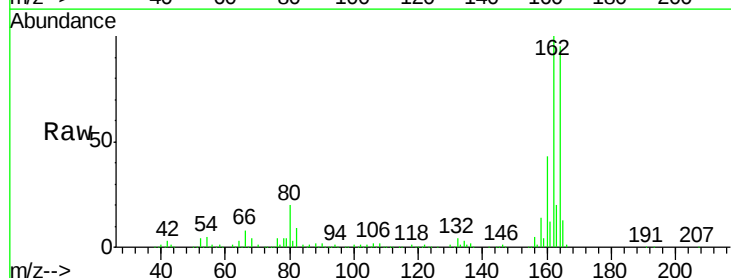
Ion Ratio Lower Upper

165 100

63 1.2 31.9 47.9#

89 1.5 53.8 80.6#

182 0.0 2.0 3.0#

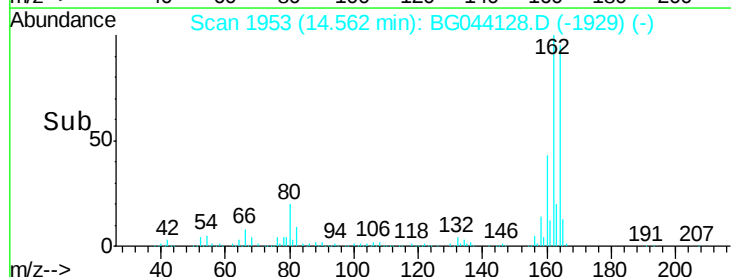
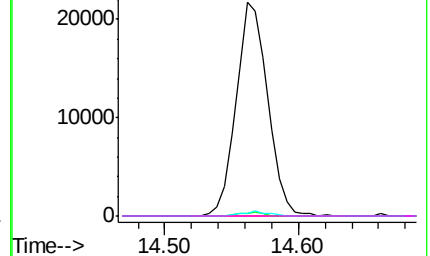


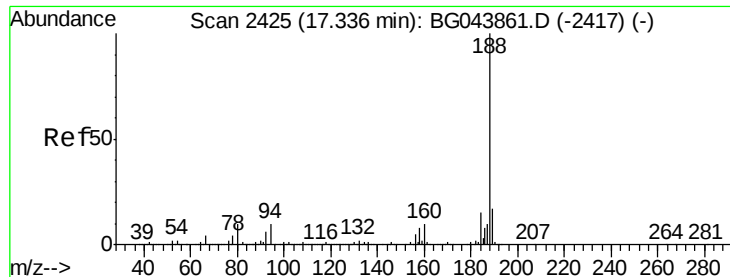
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

Instrument :

BNA_G

ClientSampleId :

MH-5-(SETTLED)

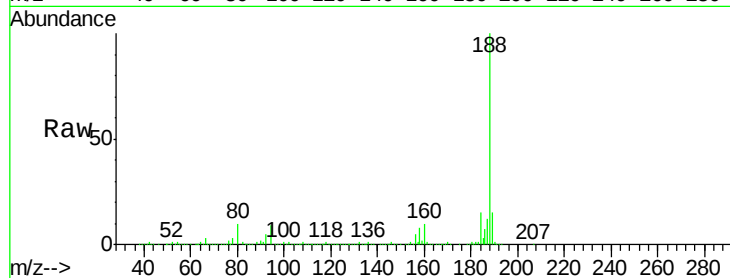
Tgt Ion:188 Resp: 528935

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

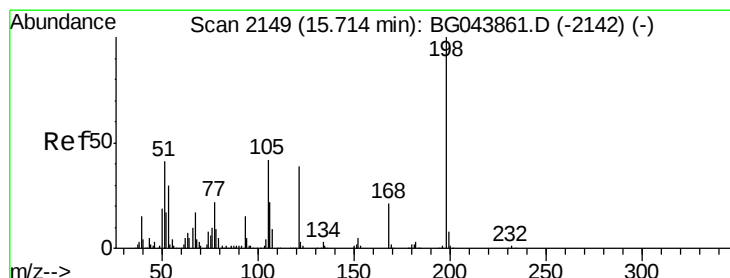
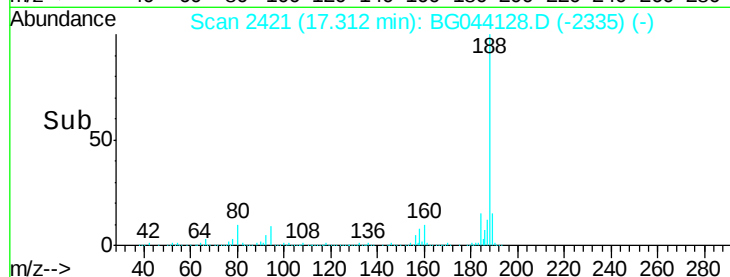
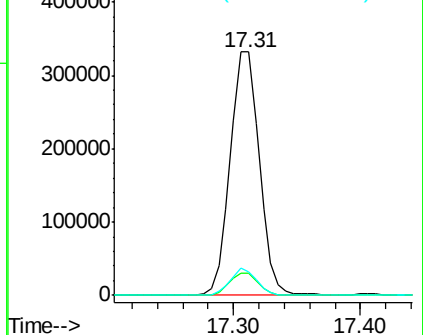
80 9.8 8.2 12.4



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: 4.95 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

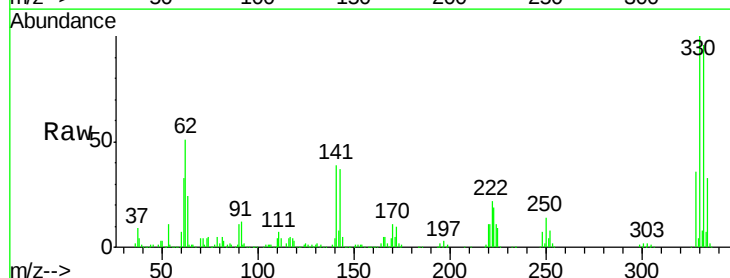
Tgt Ion:198 Resp: 1687

Ion Ratio Lower Upper

198 100

51 106.7 22.5 62.5#

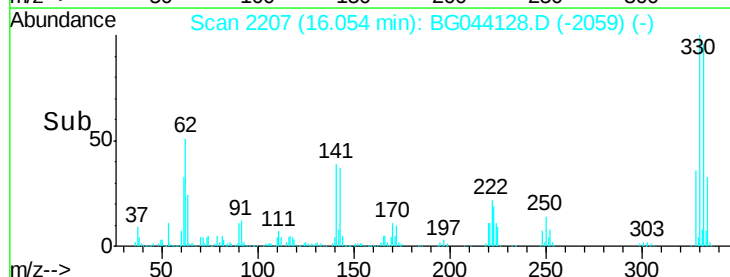
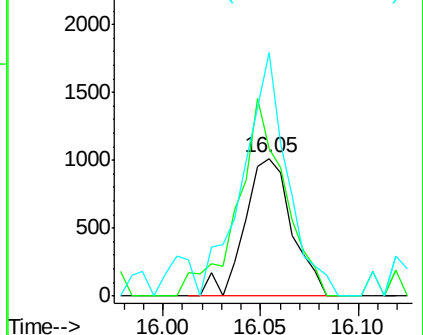
105 176.7 22.3 62.3#

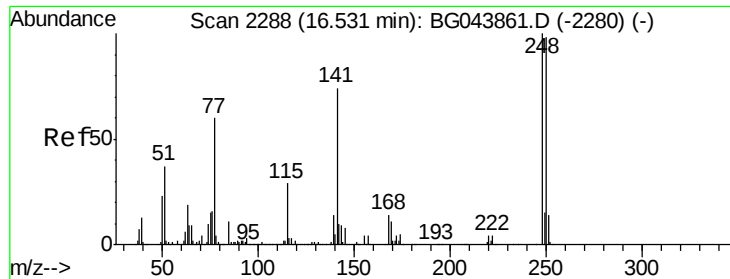


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

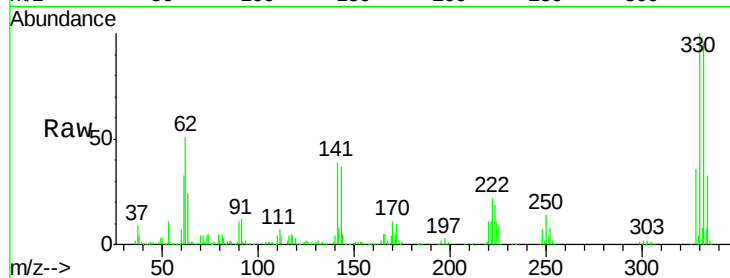




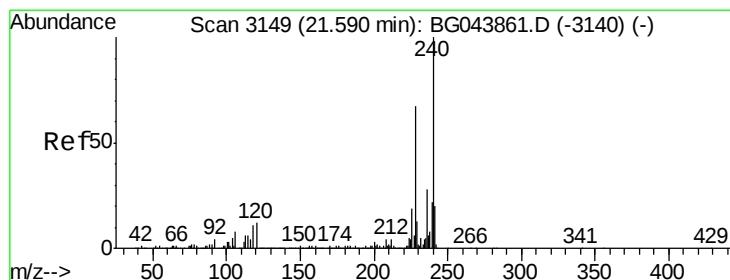
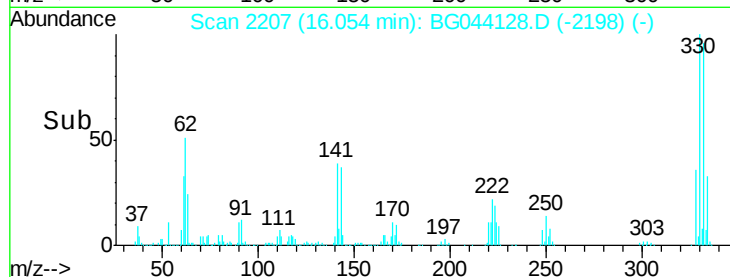
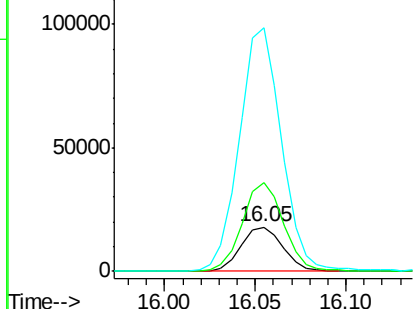
#67
 4-Bromophenyl-phenylether
 Concen: 4.84 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044128.D
 Acq: 21 Jan 2020 11:28

Instrument :
 BNA_G
 ClientSampleId :
 MH-5-(SETTLED)

Tgt Ion:248 Resp: 28781
 Ion Ratio Lower Upper
 248 100
 250 201.4 78.2 117.2#
 141 550.6 59.3 88.9#

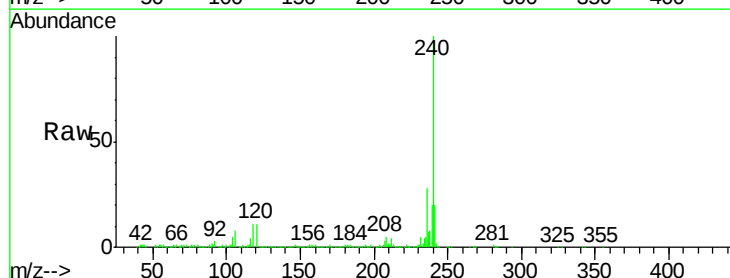


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

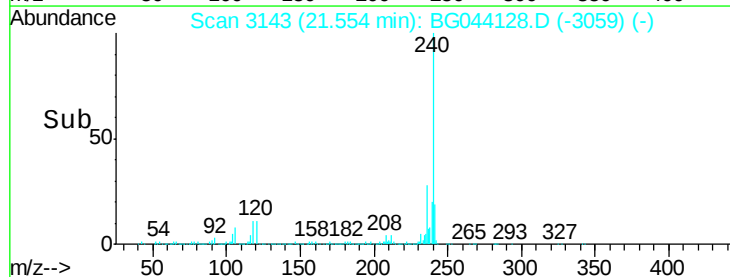
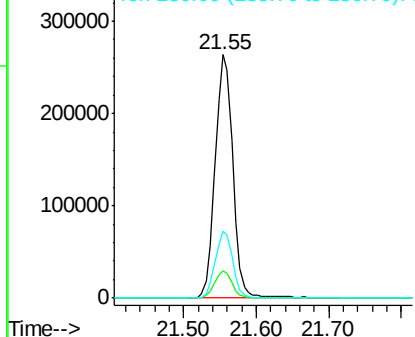


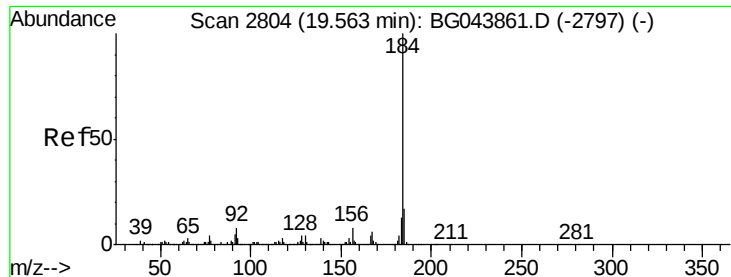
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.04 min
 Lab File: BG044128.D
 Acq: 21 Jan 2020 11:28

Tgt Ion:240 Resp: 447620
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.6 14.4
 236 27.7 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: 3.04 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

Instrument :

BNA_G

ClientSampleId :

MH-5-(SETTLED)

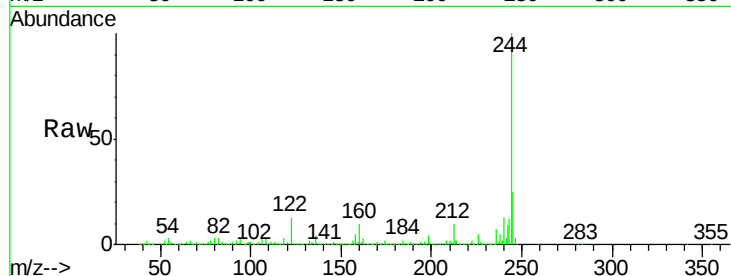
Tgt Ion:184 Resp: 34253

Ion Ratio Lower Upper

184 100

185 20.8 13.4 20.0#

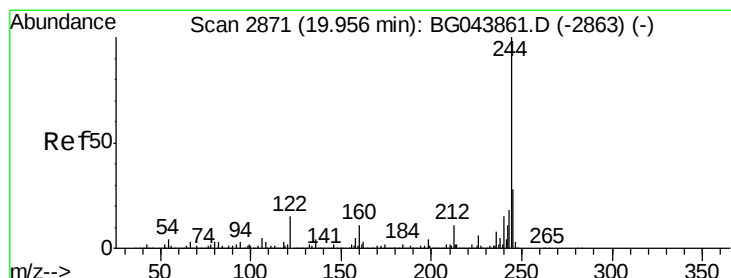
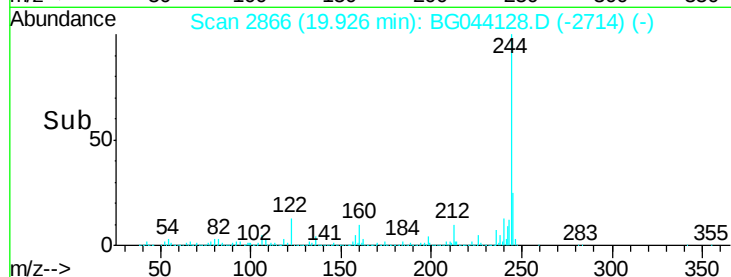
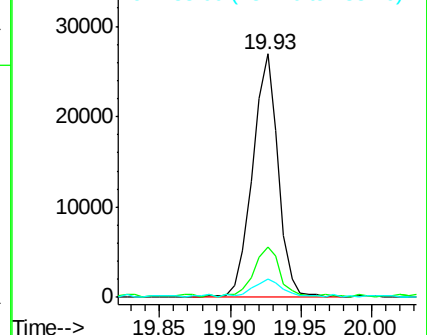
183 7.6 10.6 15.8#



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: 106.74 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044128.D

Acq: 21 Jan 2020 11:28

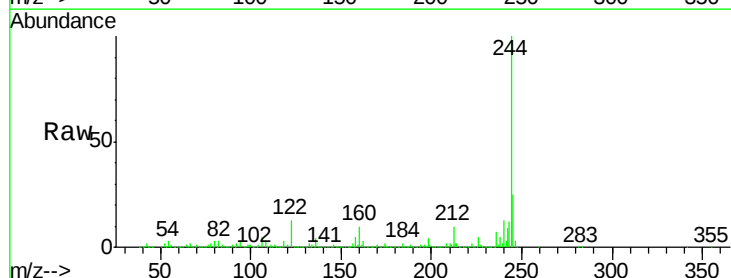
Tgt Ion:244 Resp: 1857815

Ion Ratio Lower Upper

244 100

212 9.6 8.6 13.0

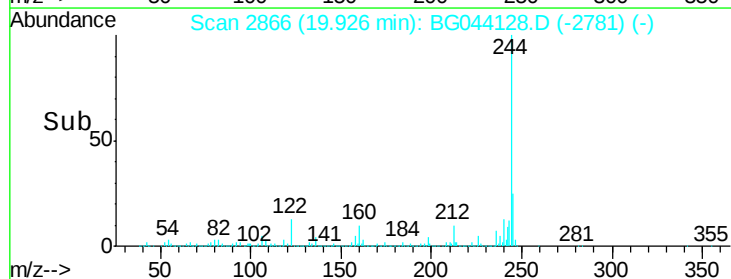
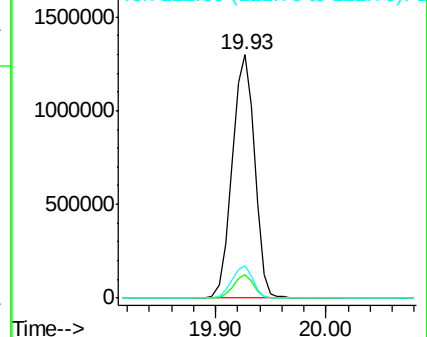
122 13.1 11.9 17.9

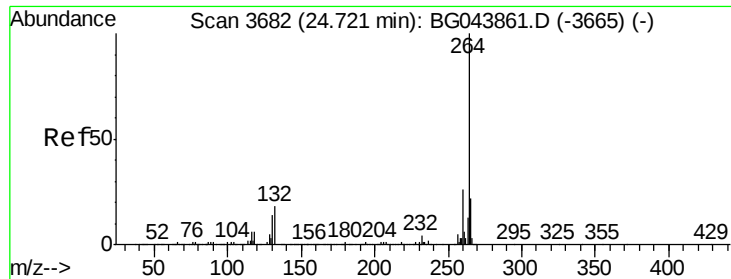


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044128.D
Acq: 21 Jan 2020 11:28

Instrument :
BNA_G
ClientSampleId :
MH-5-(SETTLED)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.4	30.6
265	22.0	17.4	26.2

