

Data File : BG044109.D
Acq On : 20 Jan 2020 22:17
Operator : JU
Sample : L1184-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CBH-594-(SETTLED)

Quant Time: Jan 21 04:51:27 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

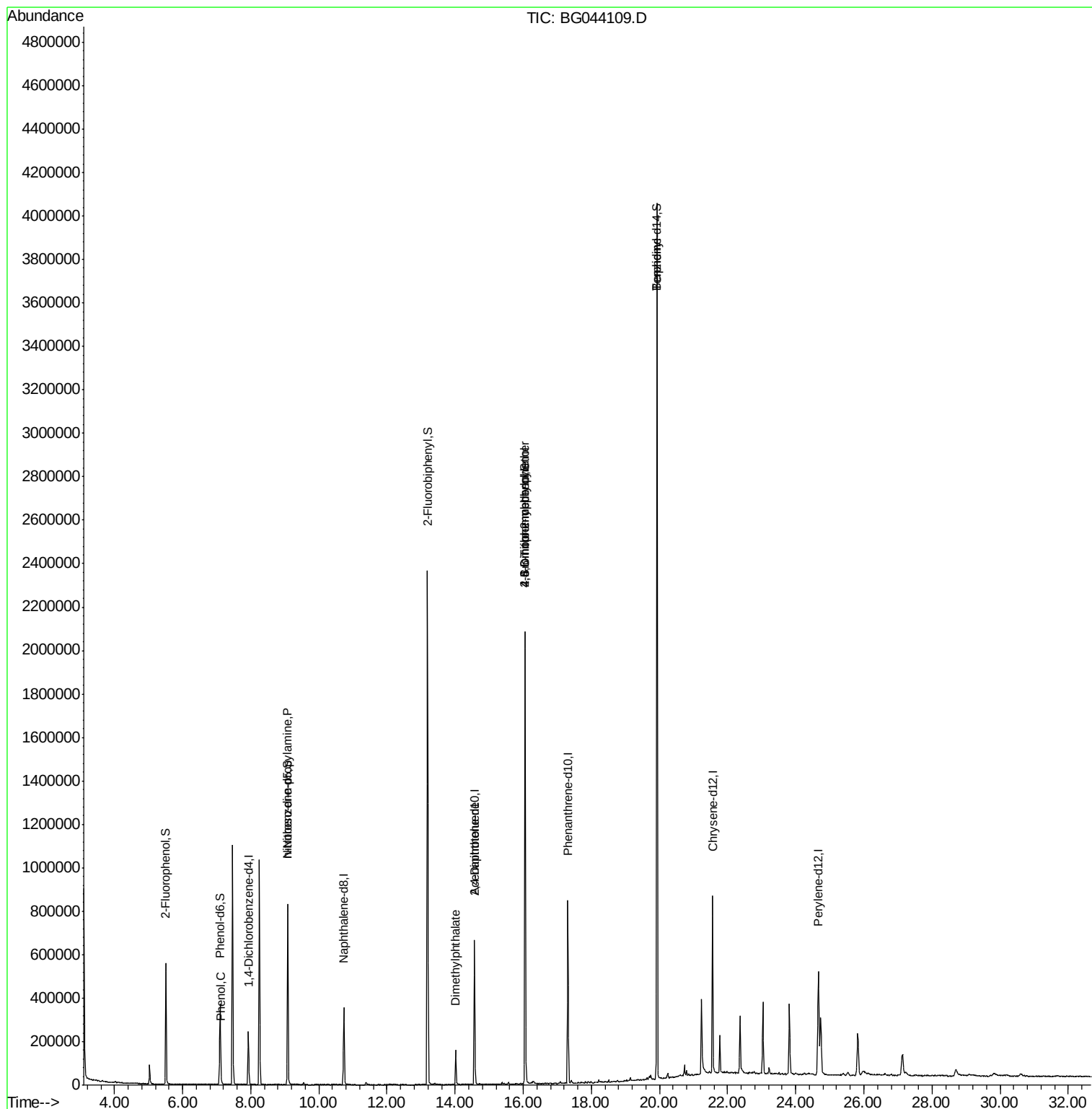
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	73652	20.00	ng	-0.03
21) Naphthalene-d8	10.74	136	329761	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	234694	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	521232	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	441745	20.00	ng	-0.03
87) Perylene-d12	24.67	264	502143	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	273948	68.29	ng	-0.03
7) Phenol-d6	7.10	99	246517	43.97	ng	-0.03
23) Nitrobenzene-d5	9.08	82	533424	86.54	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	398914	162.42	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1284317	99.15	ng	-0.03
79) Terphenyl-d14	19.92	244	1828747	106.35	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	16945	2.933	ng	92
19) n-Nitroso-di-n-propylamine	9.08	70	69273	16.590	ng	# 82
50) Dimethylphthalate	14.02	163	119242	7.156	ng	# 97
57) 2,4-Dinitrotoluene	14.57	165	30659	5.982	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1390	4.860	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	28499	4.861	ng	# 1
77) Benizidine	19.92	184	33400	3.008	ng	# 76

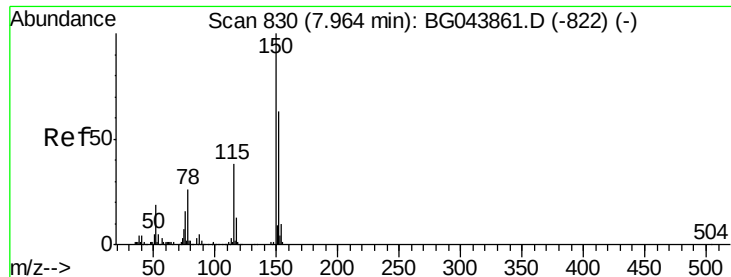
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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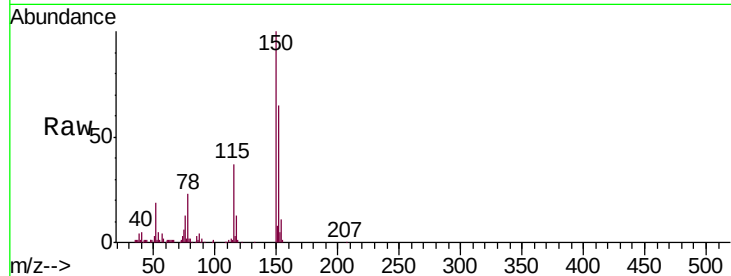


#1

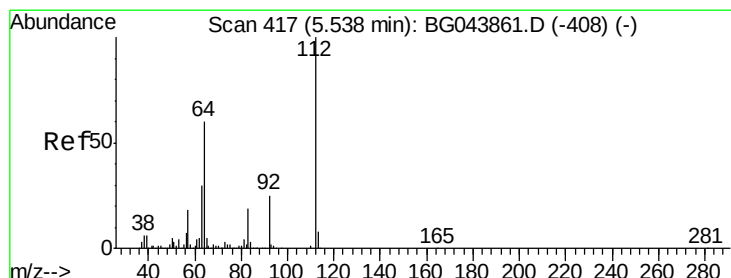
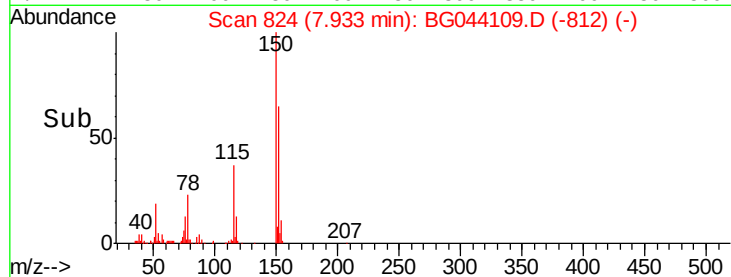
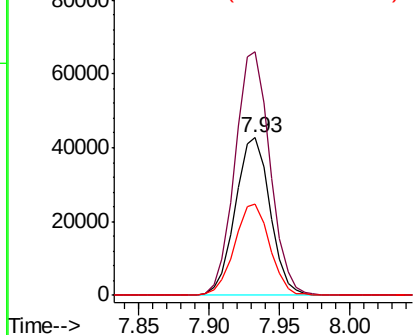
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044109.D
Acq: 20 Jan 2020 22:17

Instrument :
BNA_G
ClientSampleId :
CBH-594-(SETTLED)

Tgt Ion:152 Resp: 73652
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.4
115 57.8 47.8 71.8



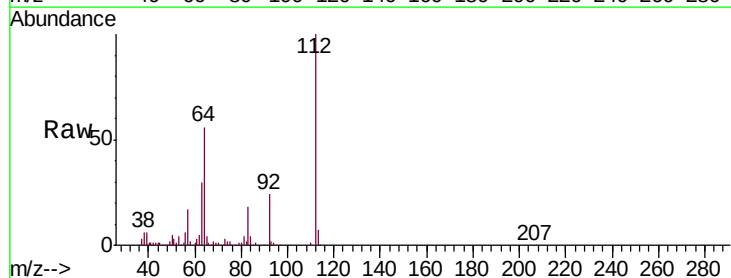
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



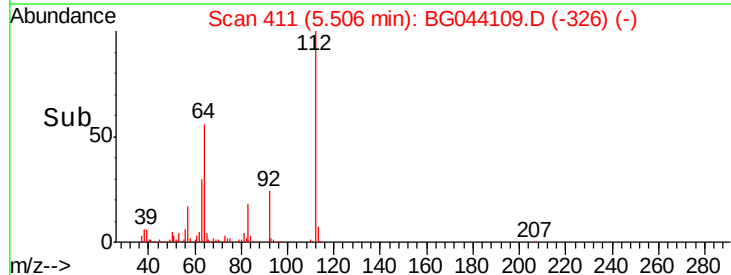
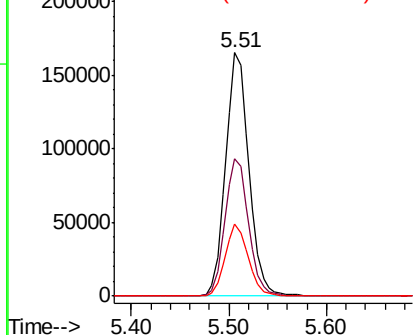
#5

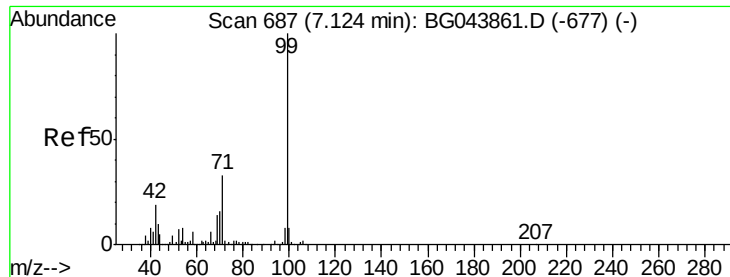
2-Fluorophenol
Concen: 68.294 ng
RT: 5.51 min Scan# 411
Delta R.T. -0.03 min
Lab File: BG044109.D
Acq: 20 Jan 2020 22:17

Tgt Ion:112 Resp: 273948
Ion Ratio Lower Upper
112 100
64 56.3 47.8 71.6
63 29.7 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: 43.966 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

Instrument :

BNA_G

ClientSampleId :

CBH-594-(SETTLED)

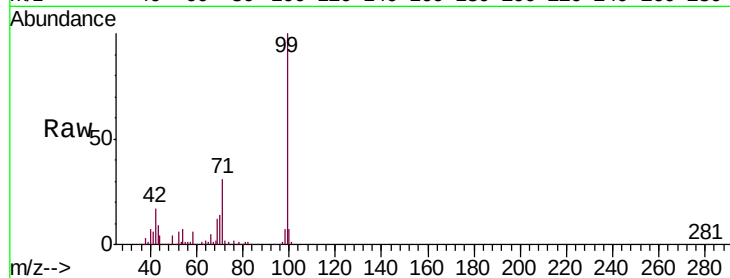
Tgt Ion: 99 Resp: 246517

Ion Ratio Lower Upper

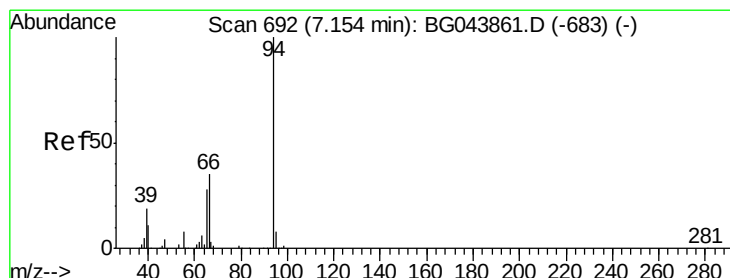
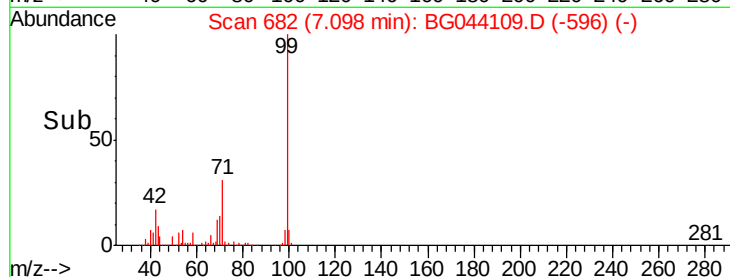
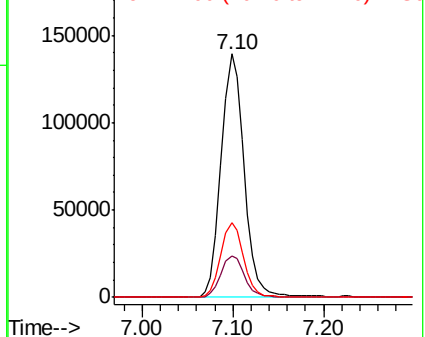
99 100

42 17.2 14.9 22.3

71 30.5 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: 2.933 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

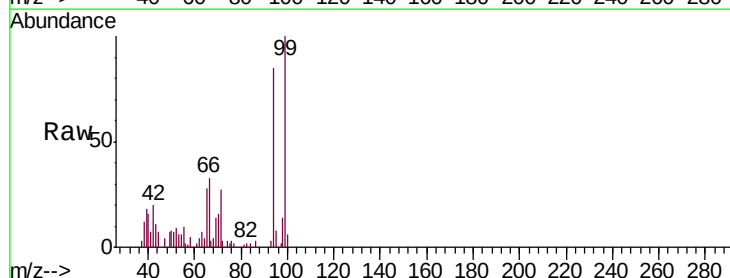
Tgt Ion: 94 Resp: 16945

Ion Ratio Lower Upper

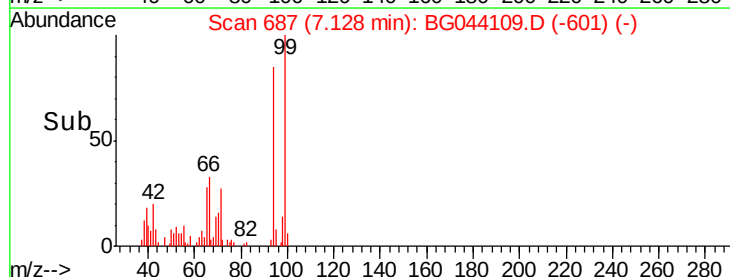
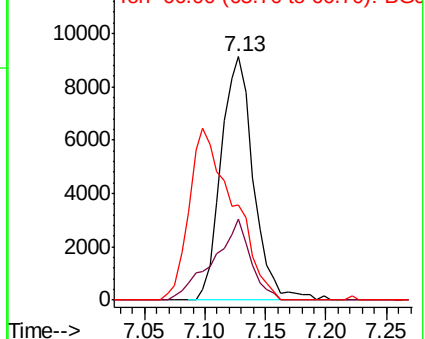
94 100

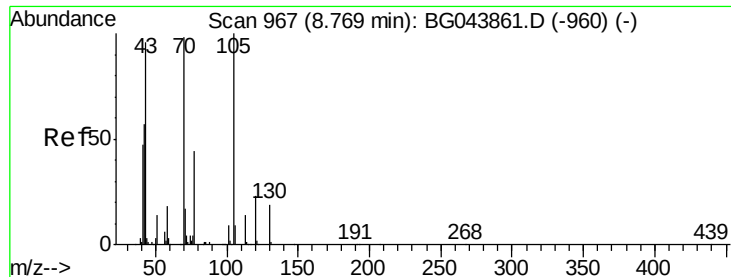
65 33.5 8.1 48.1

66 39.2 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

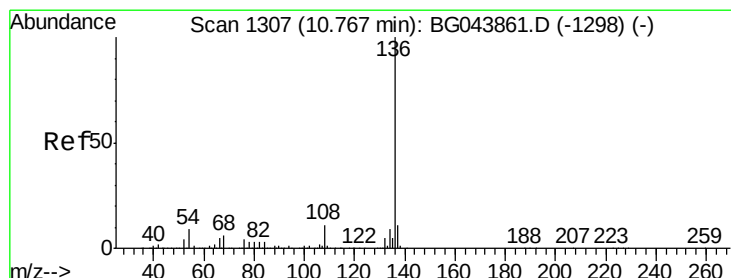
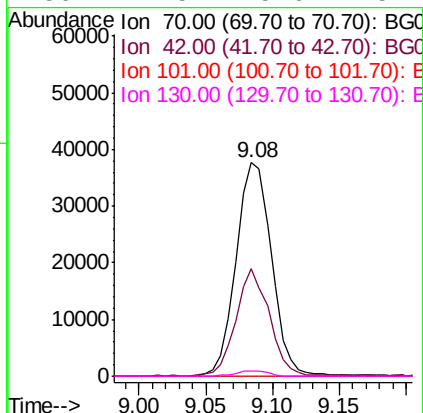
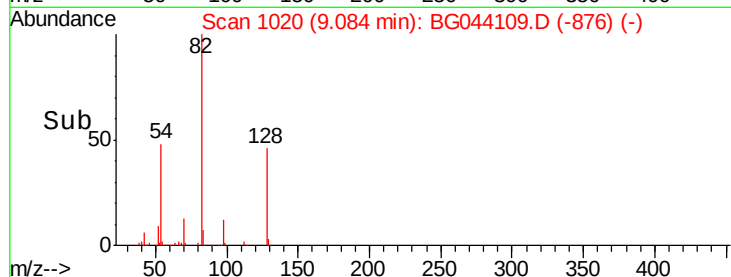
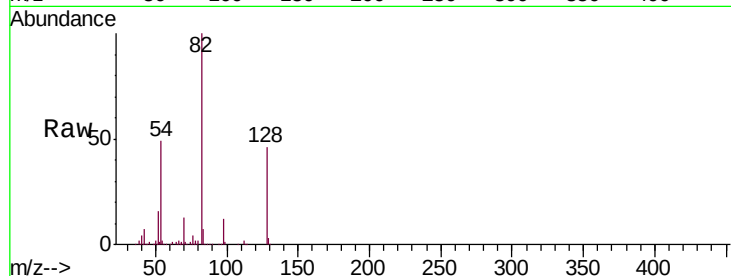




#19
n-Nitroso-di-n-propylamine
Concen: 16.590 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044109.D
Acq: 20 Jan 2020 22:17

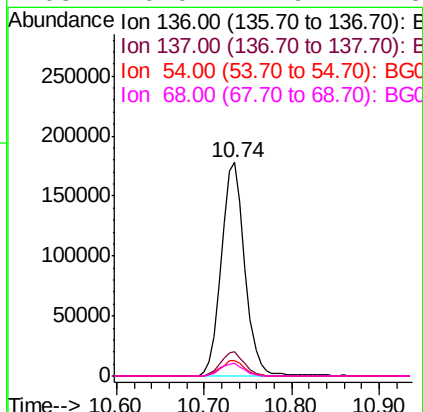
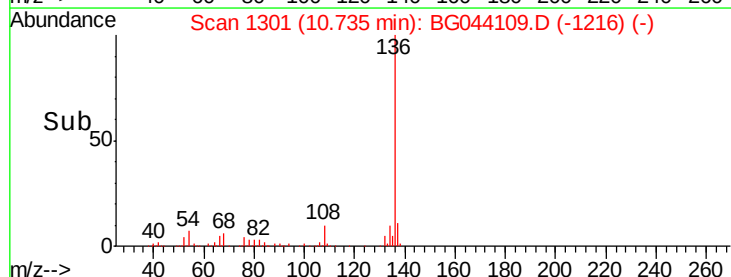
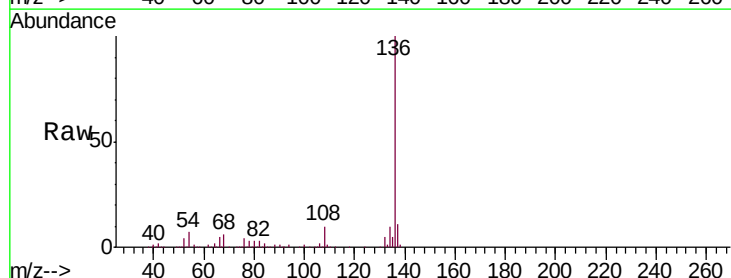
Instrument :
BNA_G
ClientSampleId :
CBH-594-(SETTLED)

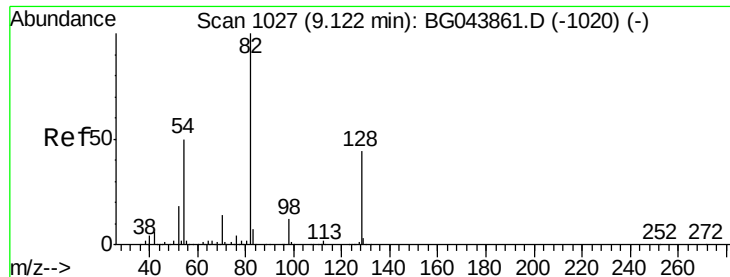
Tgt Ion: 70 Resp: 69273
Ion Ratio Lower Upper
70 100
42 50.6 47.0 70.4
101 0.0 7.2 10.8#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044109.D
Acq: 20 Jan 2020 22:17

Tgt Ion: 136 Resp: 329761
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.5 7.0 10.4
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 86.535 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

Instrument :

BNA_G

ClientSampleId :

CBH-594-(SETTLED)

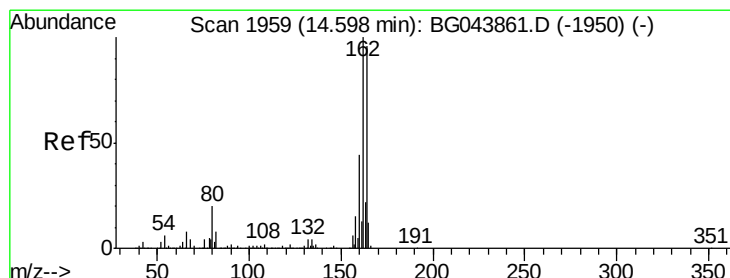
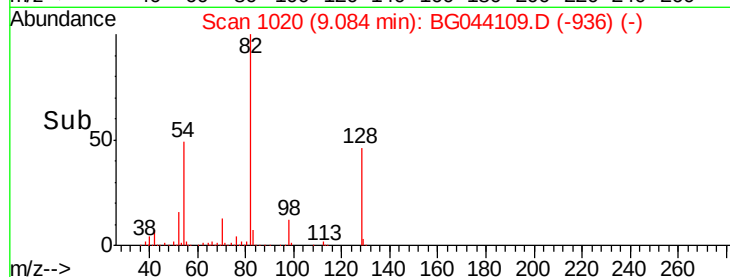
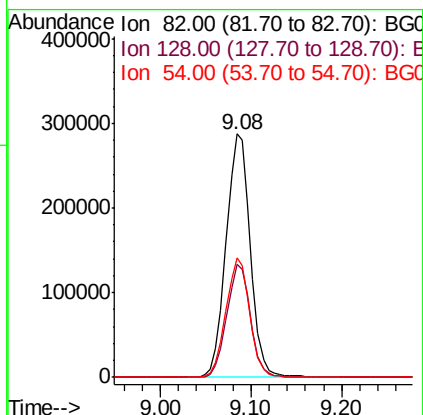
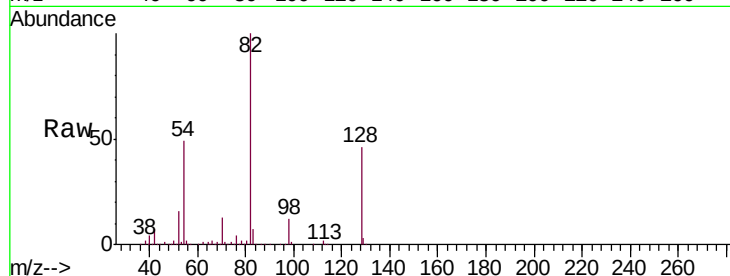
Tgt Ion: 82 Resp: 533424

Ion Ratio Lower Upper

82 100

128 46.3 35.1 52.7

54 49.0 40.1 60.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

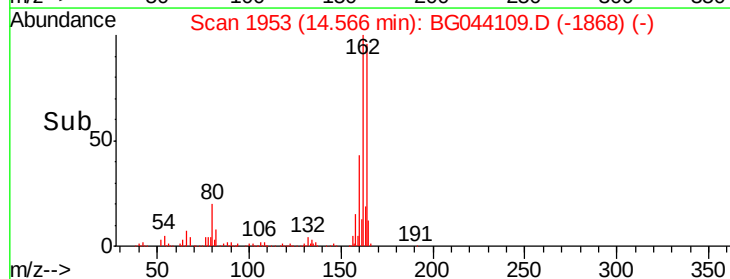
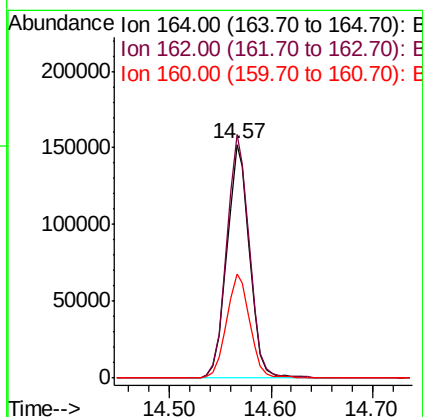
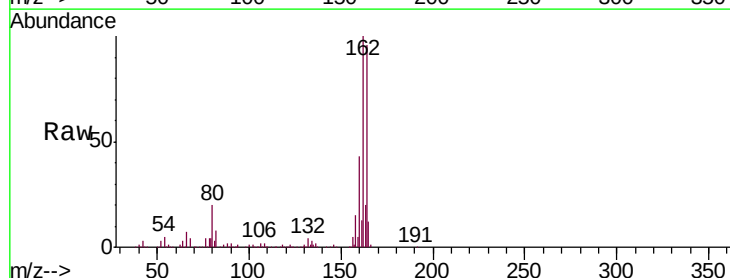
Tgt Ion: 164 Resp: 234694

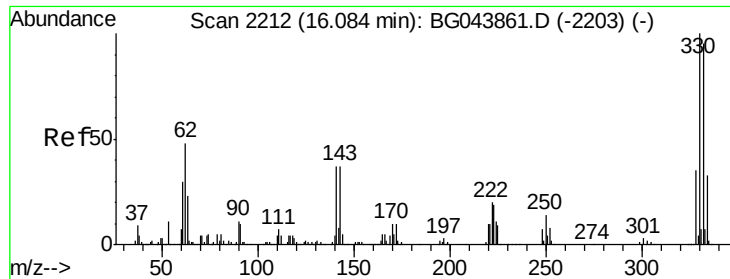
Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.4

160 44.6 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 162.423 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

Instrument :

BNA_G

ClientSampleId :

CBH-594-(SETTLED)

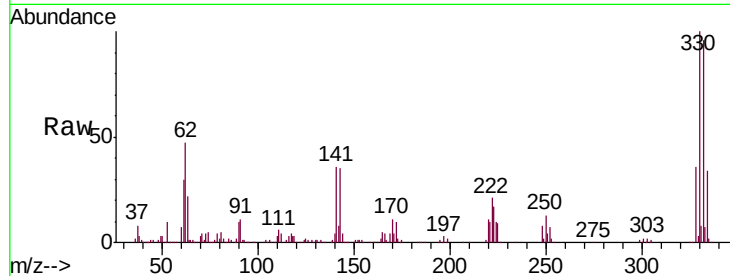
Tgt Ion:330 Resp: 398914

Ion Ratio Lower Upper

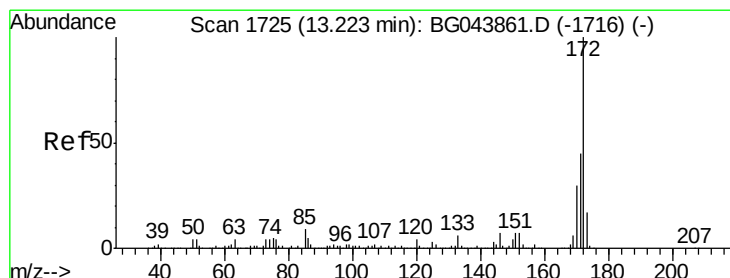
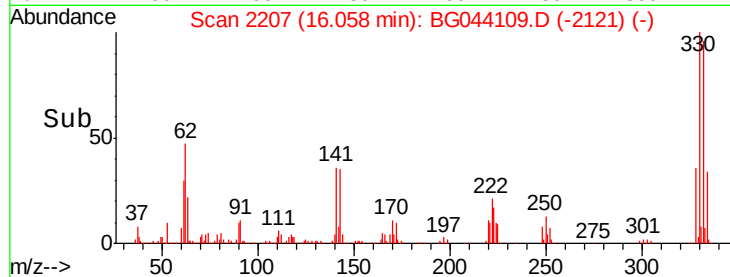
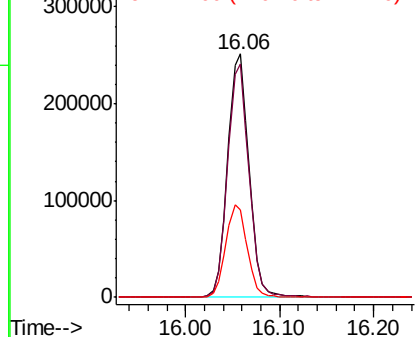
330 100

332 95.6 77.2 115.8

141 38.5 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: 99.146 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

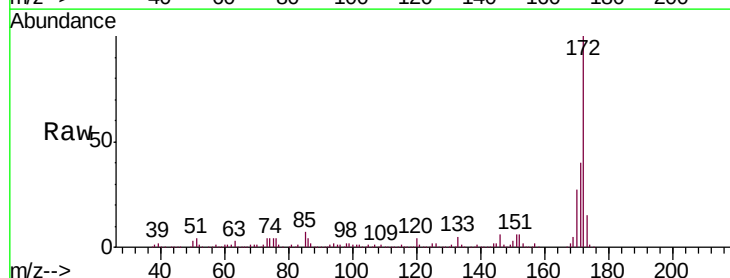
Tgt Ion:172 Resp: 1284317

Ion Ratio Lower Upper

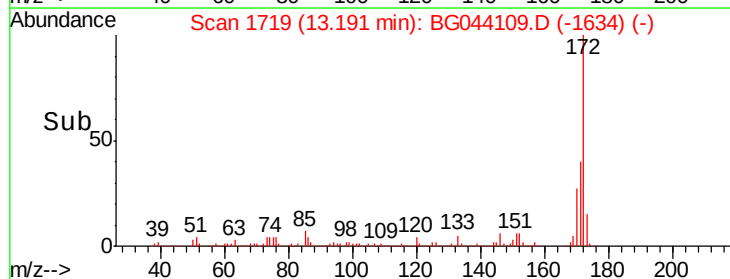
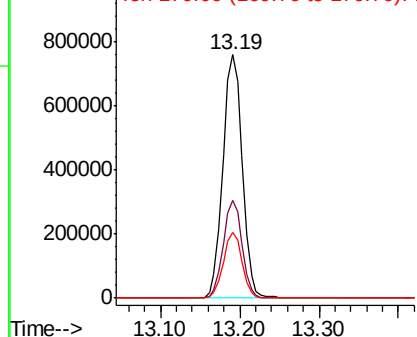
172 100

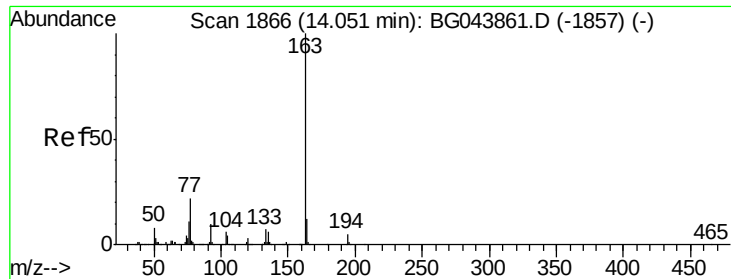
171 40.0 35.8 53.8

170 27.1 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: 7.156 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044109.D

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Instrument :

BNA_G

ClientSampleId :

CBH-594-(SETTLED)

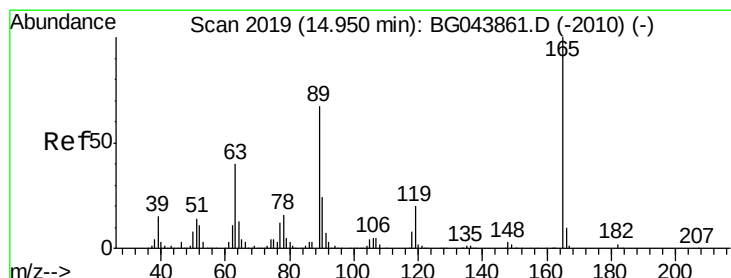
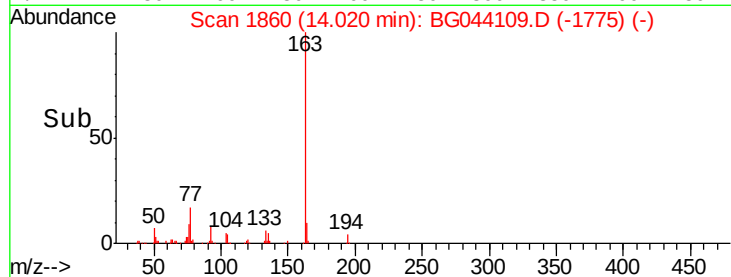
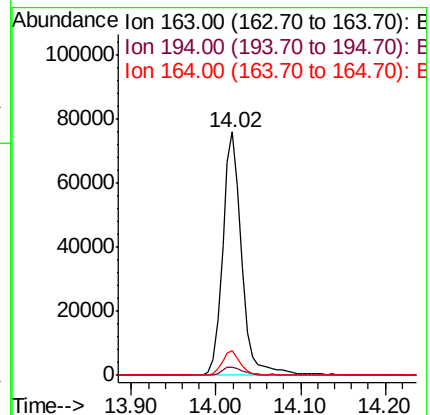
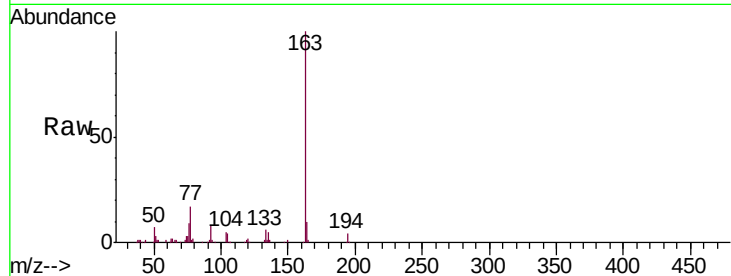
Tgt Ion:163 Resp: 119242

Ion Ratio Lower Upper

163 100

194 3.6 3.7 5.5#

164 10.3 9.3 13.9



#57

2,4-Dinitrotoluene

Concen: 5.982 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.38 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

Tgt Ion:165 Resp: 30659

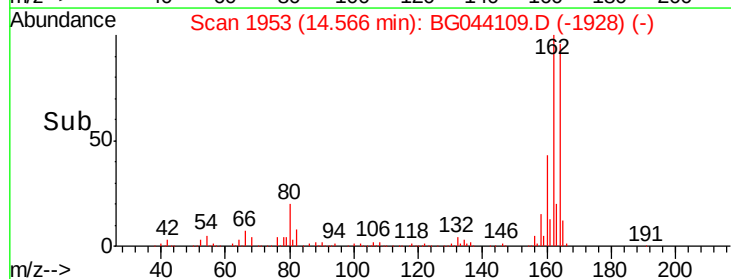
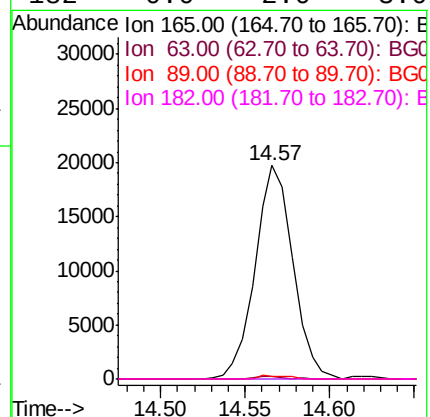
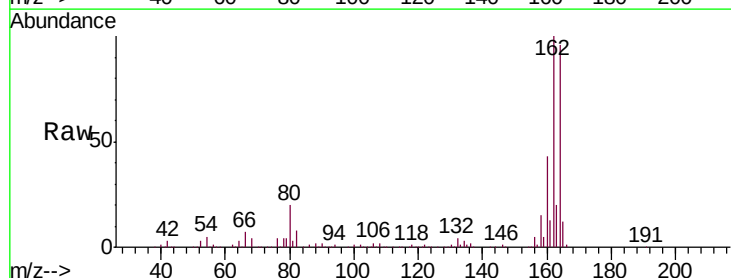
Ion Ratio Lower Upper

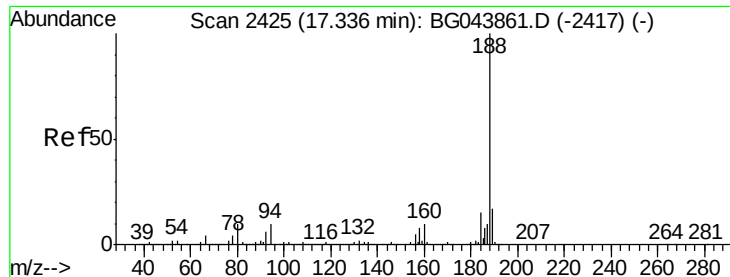
165 100

63 1.3 31.9 47.9#

89 1.3 53.8 80.6#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

Instrument :

BNA_G

ClientSampleId :

CBH-594-(SETTLED)

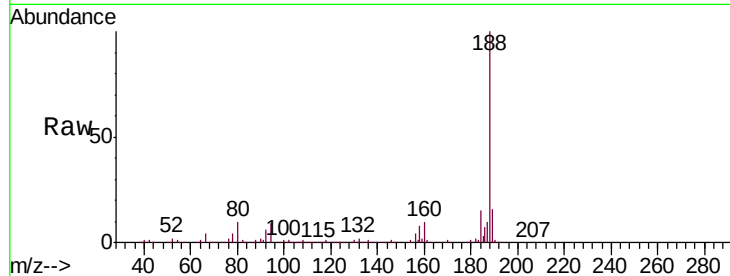
Tgt Ion:188 Resp: 521232

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

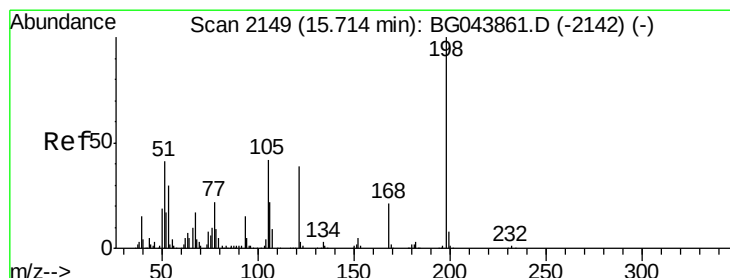
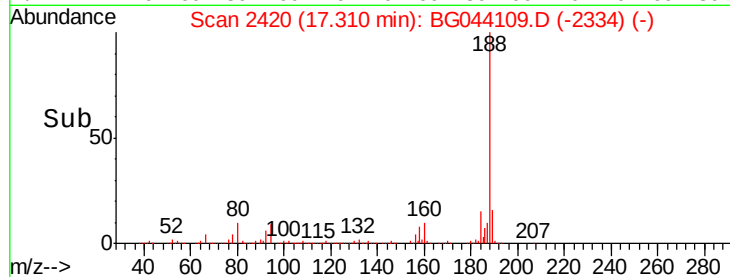
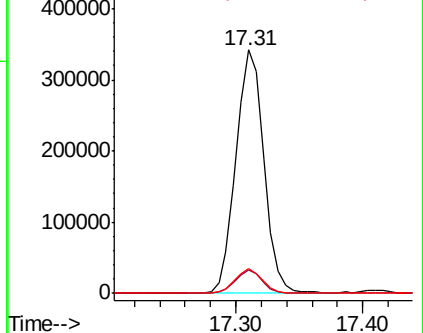
80 10.0 8.2 12.4



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: 4.860 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

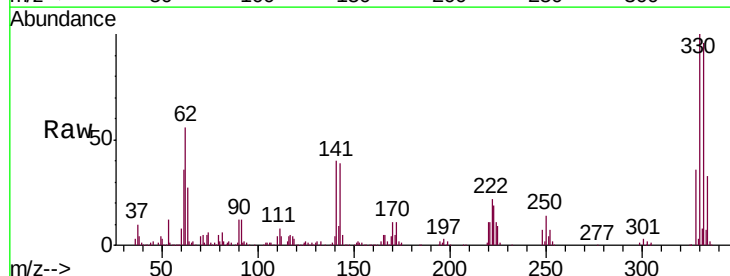
Tgt Ion:198 Resp: 1390

Ion Ratio Lower Upper

198 100

51 120.4 22.5 62.5#

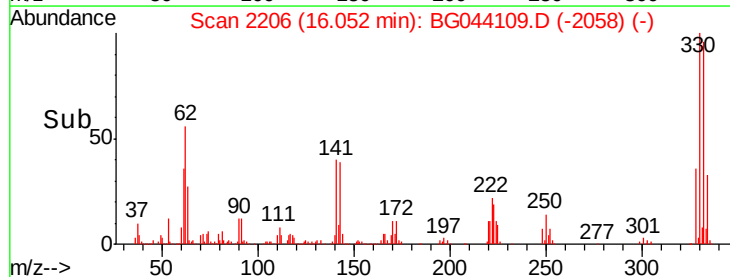
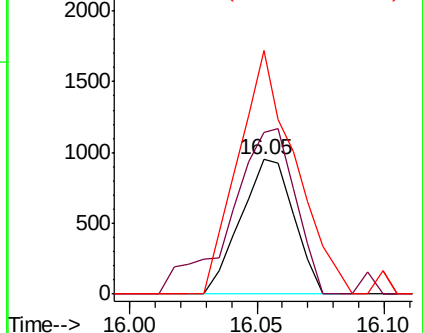
105 180.9 22.3 62.3#

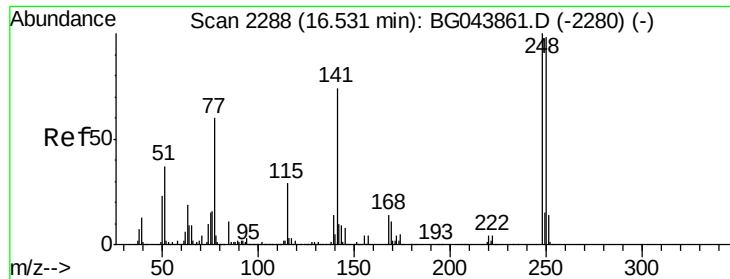


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

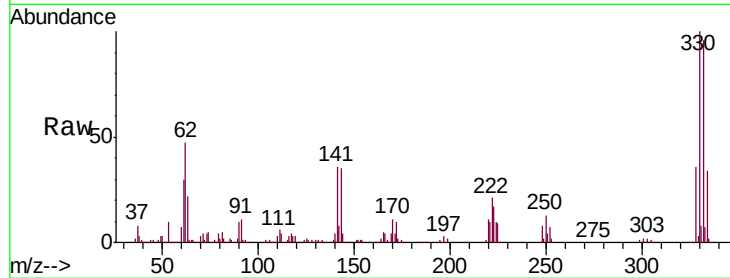




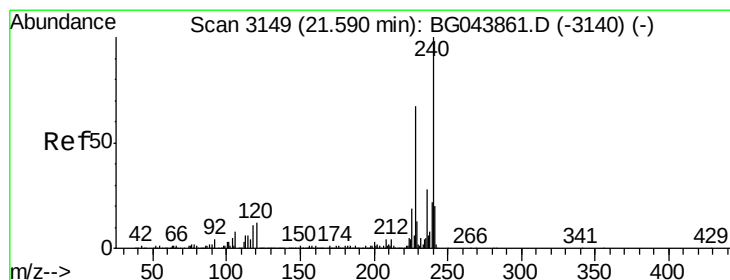
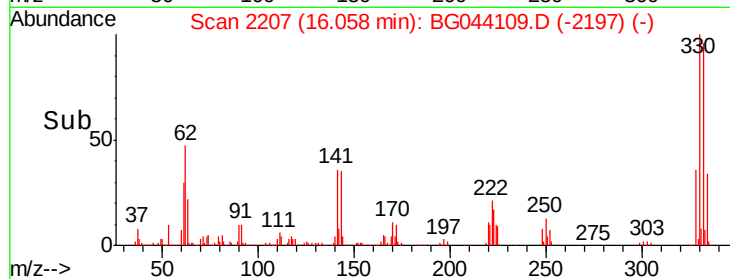
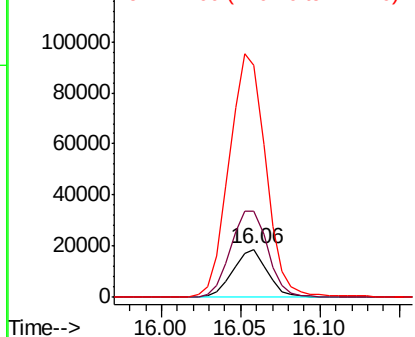
#67
 4-Bromophenyl-phenylether
 Concen: 4.861 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044109.D
 Acq: 20 Jan 2020 22:17

Instrument :
 BNA_G
 ClientSampleId :
 CBH-594-(SETTLED)

Tgt Ion:248 Resp: 28499
 Ion Ratio Lower Upper
 248 100
 250 179.4 78.2 117.2#
 141 479.5 59.3 88.9#

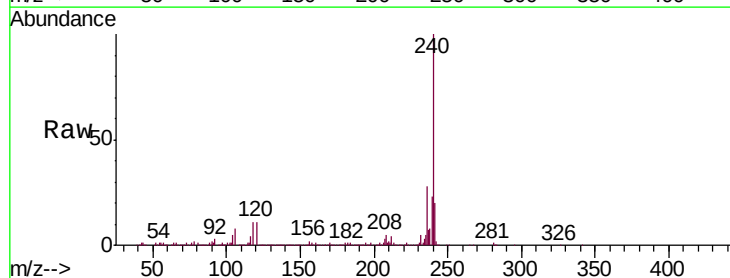


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

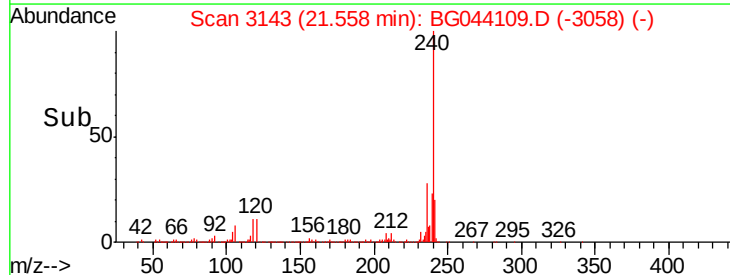
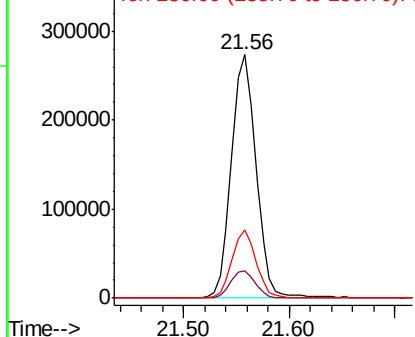


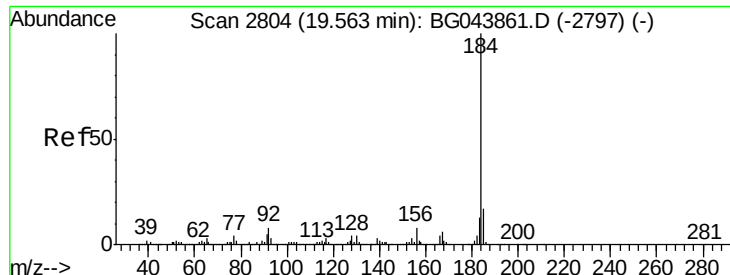
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044109.D
 Acq: 20 Jan 2020 22:17

Tgt Ion:240 Resp: 441745
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.6 14.4
 236 28.2 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: 3.008 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

Instrument :

BNA_G

ClientSampleId :

CBH-594-(SETTLED)

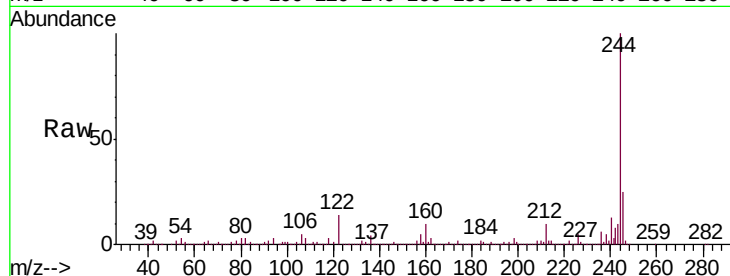
Tgt Ion:184 Resp: 33400

Ion Ratio Lower Upper

184 100

185 29.9 13.4 20.0#

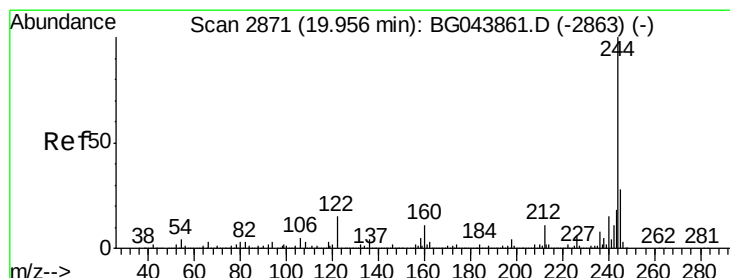
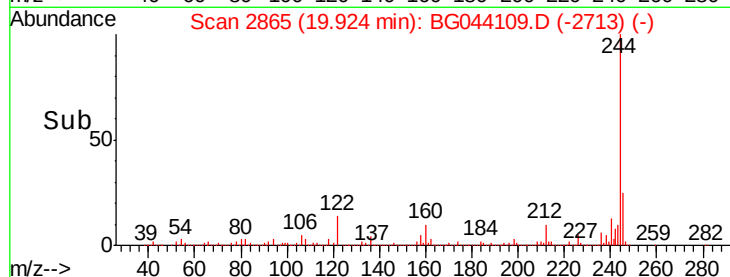
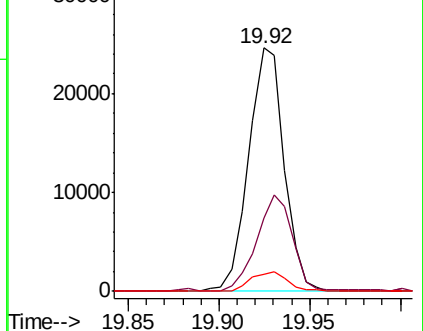
183 7.0 10.6 15.8#



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: 106.345 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044109.D

Acq: 20 Jan 2020 22:17

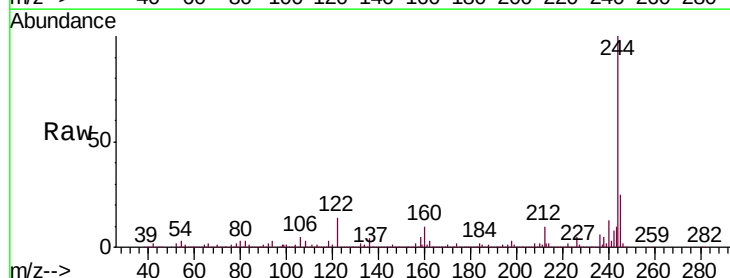
Tgt Ion:244 Resp: 1828747

Ion Ratio Lower Upper

244 100

212 9.6 8.6 13.0

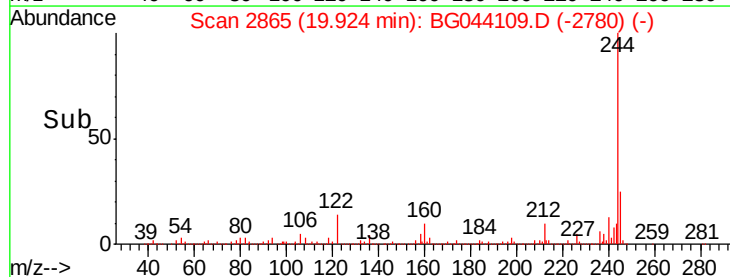
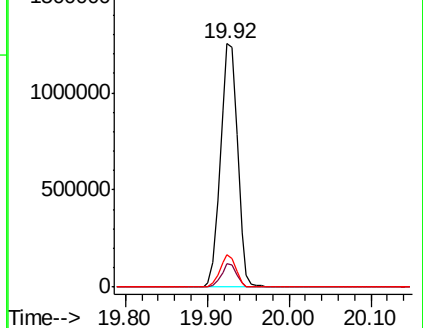
122 13.6 11.9 17.9

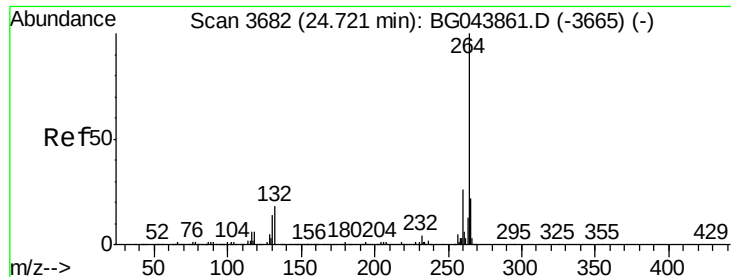


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3672
Delta R.T. -0.06 min
Lab File: BG044109.D
Acq: 20 Jan 2020 22:17

Instrument :
BNA_G
ClientSampleId :
CBH-594-(SETTLED)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.4	30.6
265	23.4	17.4	26.2

