

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
 Data File : BG046495.D
 Acq On : 1 Sep 2020 22:10
 Operator : CG/JU
 Sample : L3850-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 15203

Quant Time: Sep 02 00:29:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 Response via : Initial Calibration

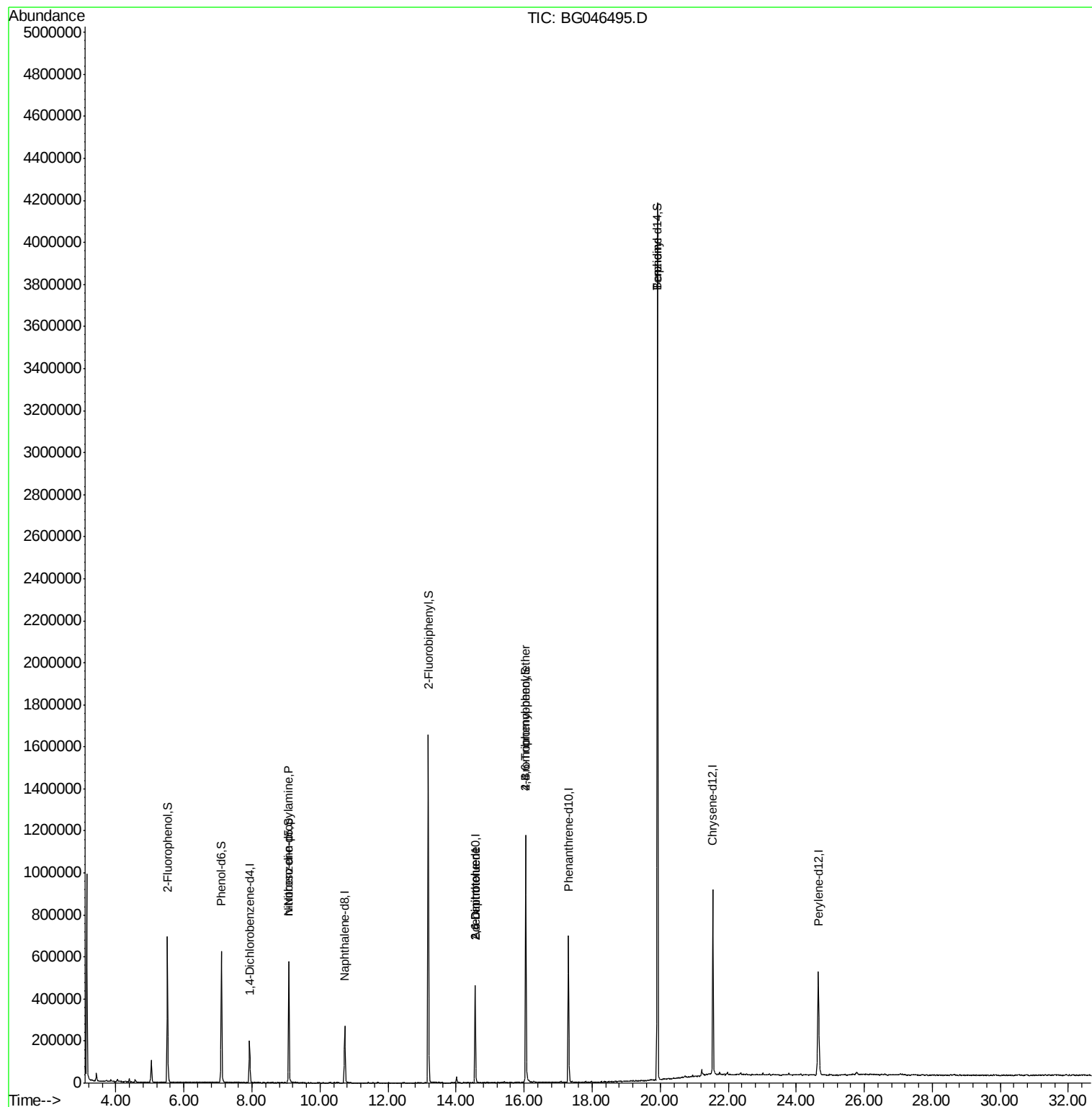
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	63386	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	250949	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	174248	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	468540	20.00	ng	0.00
76) Chrysene-d12	21.55	240	526073	20.00	ng	0.00
86) Perylene-d12	24.65	264	539792	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	330197	92.27	ng	0.00
7) Phenol-d6	7.10	99	400682	78.98	ng	0.00
23) Nitrobenzene-d5	9.08	82	371782	84.68	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	250619	106.15	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	939547	82.31	ng	0.00
79) Terphenyl-d14	19.92	244	1870293	75.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	47833	15.762	ng	# 79
51) 2,6-Dinitrotoluene	14.56	165	23752	7.993	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	23752	5.606	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	19429	3.554	ng	# 1
77) Benzidine	19.92	184	29324	2.399	ng	# 93

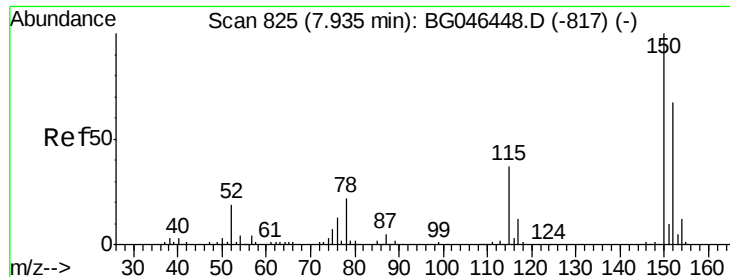
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 13 Sample Multiplier: 1

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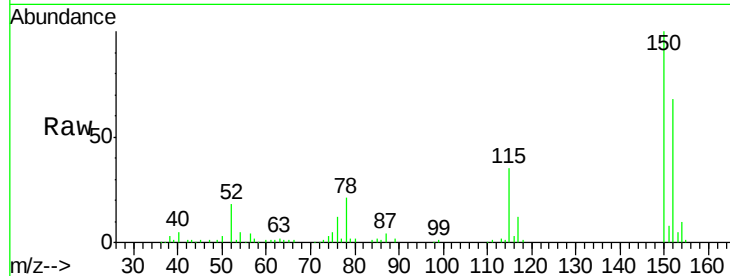


#1

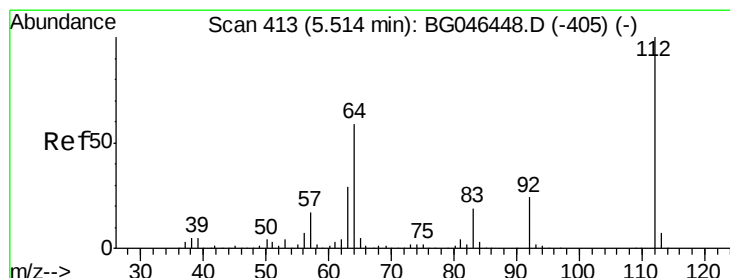
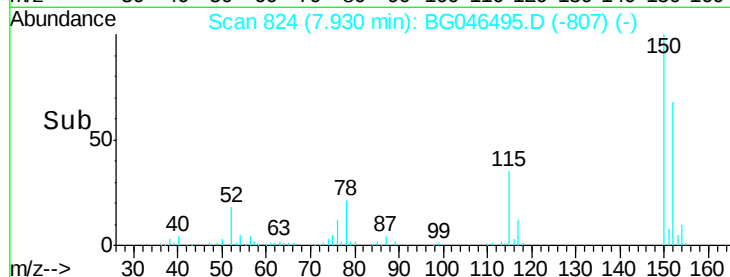
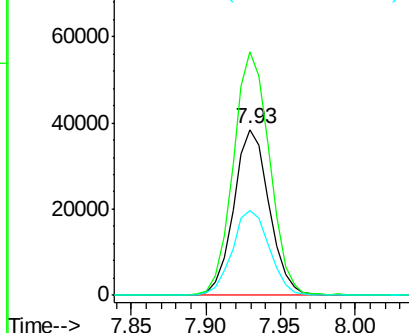
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046495.D
Acq: 1 Sep 2020 22:10

Instrument :
BNA_G
ClientSampleId :
15203

Tot Ion:152 Resp: 63386
Ion Ratio Lower Upper
152 100
150 146.9 119.5 179.3
115 51.0 44.3 66.5



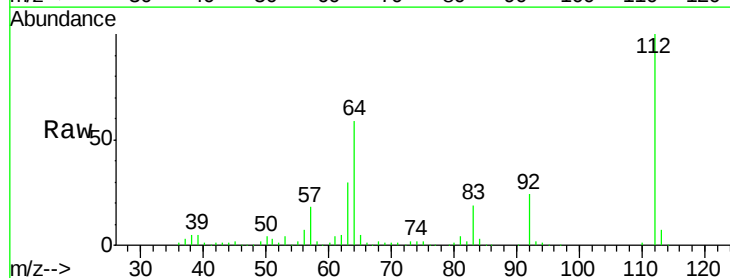
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



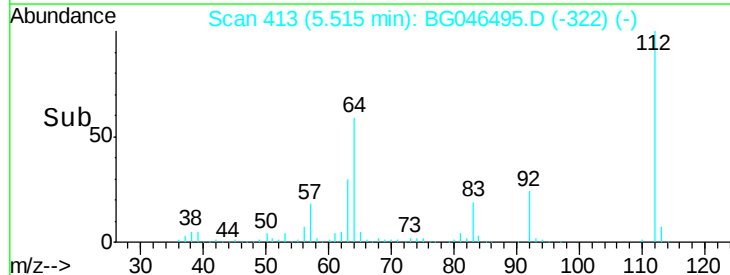
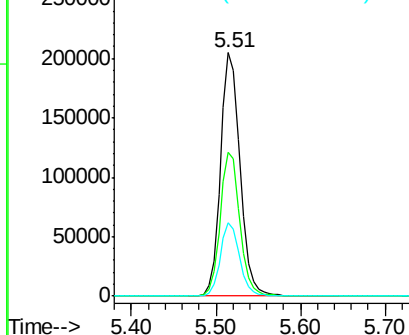
#5

2-Fluorophenol
Concen: 92.266 ng
RT: 5.51 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046495.D
Acq: 1 Sep 2020 22:10

Tgt Ion:112 Resp: 330197
Ion Ratio Lower Upper
112 100
64 59.1 47.0 70.6
63 30.1 23.5 35.3



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: 78.980 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

Instrument :

BNA_G

ClientSampleId :

15203

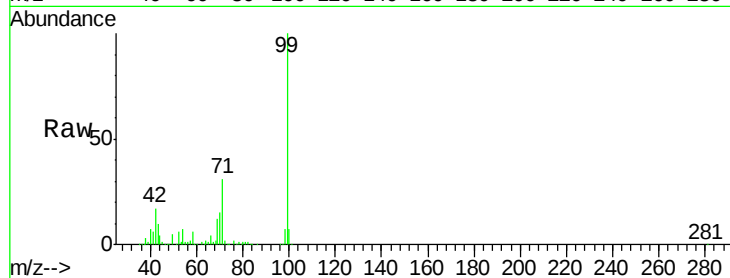
Tot Ion: 99 Resp: 400682

Ion Ratio Lower Upper

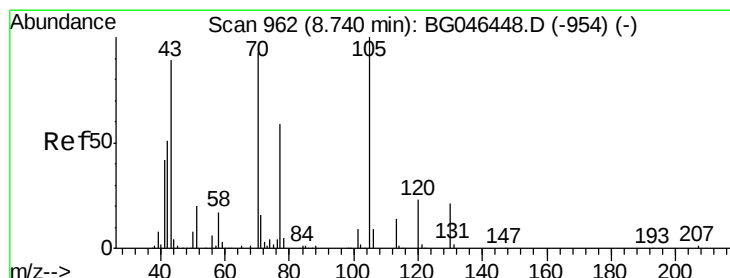
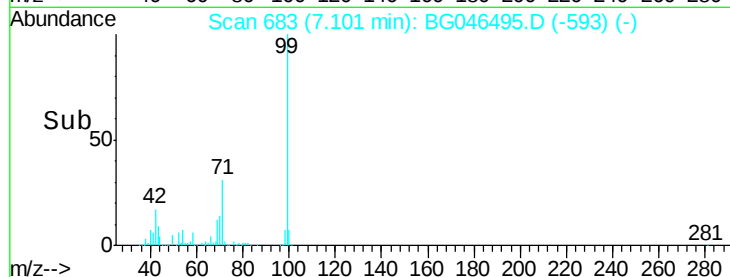
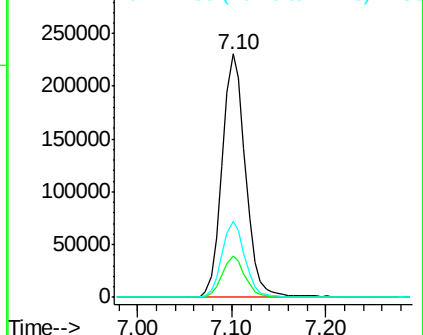
99 100

42 16.8 13.3 19.9

71 31.3 25.3 37.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.762 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

Tgt Ion: 70 Resp: 47833

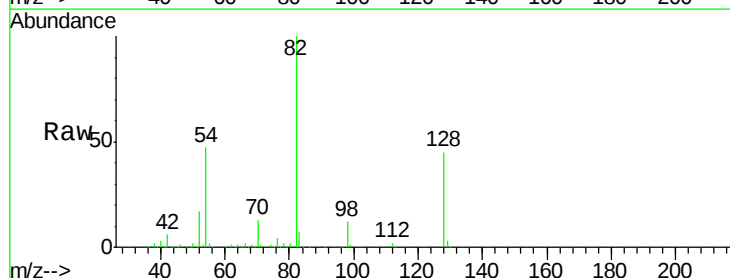
Ion Ratio Lower Upper

70 100

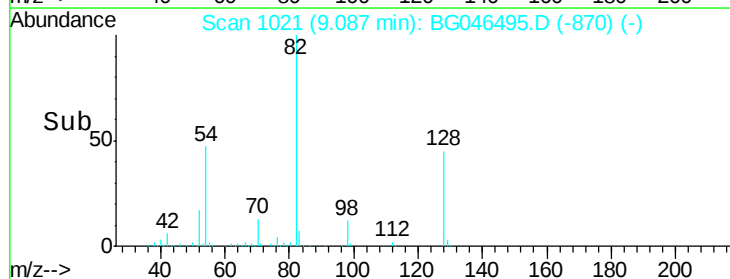
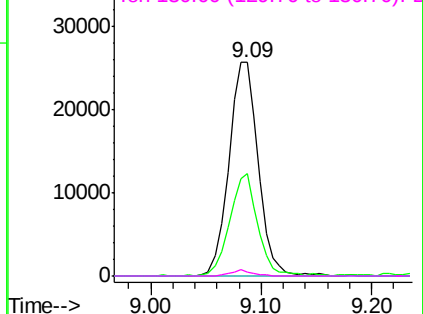
42 47.9 44.2 66.2

101 0.0 7.8 11.8#

130 1.7 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

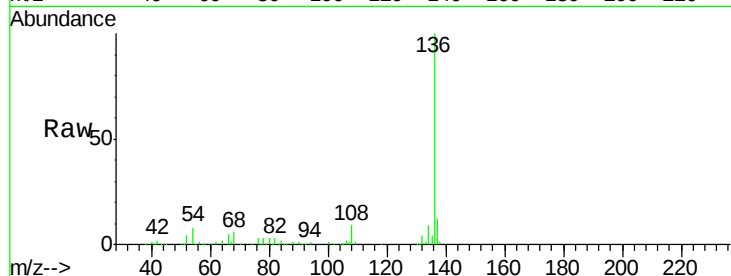




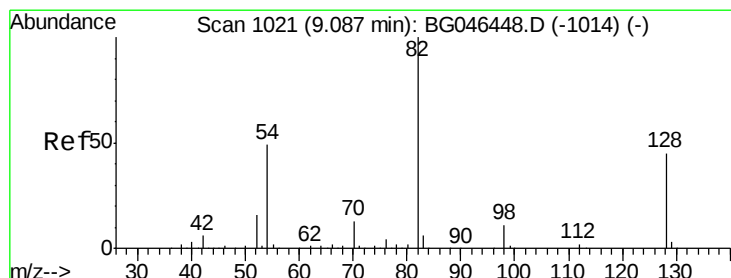
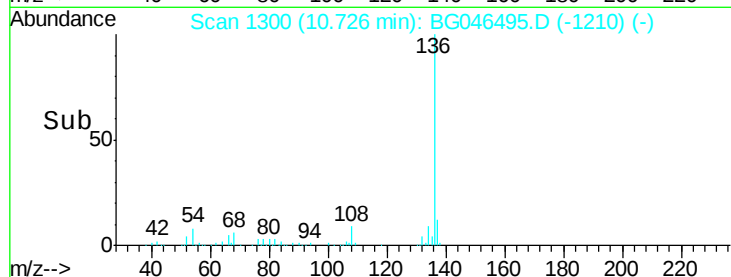
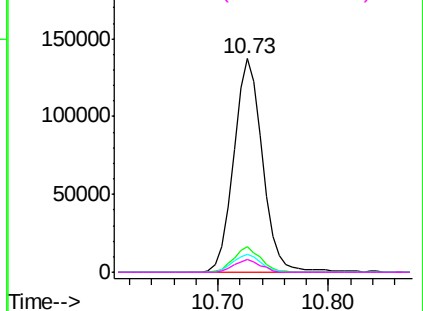
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046495.D
Acq: 1 Sep 2020 22:10

Instrument :
BNA_G
ClientSampleId :
15203

Tot Ion:136	Resp:	250949
Ion	Ratio	Lower Upper
136	100	
137	11.7	8.8 13.2
54	8.3	6.1 9.1
68	5.9	4.8 7.2

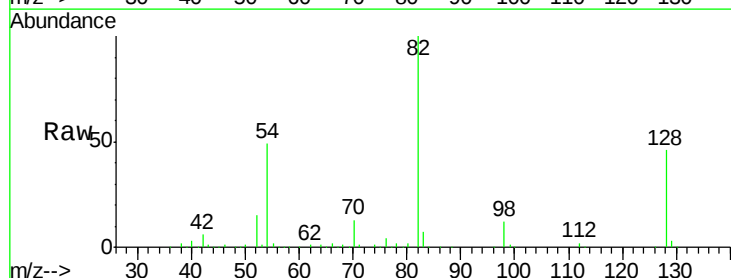


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

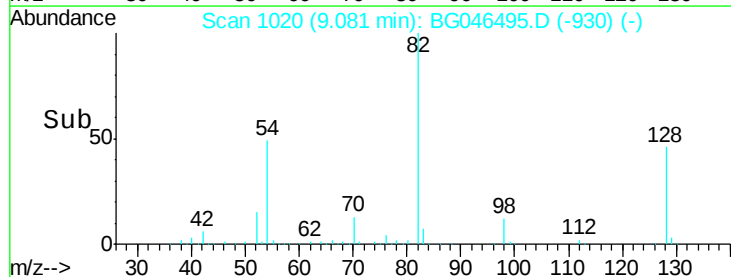
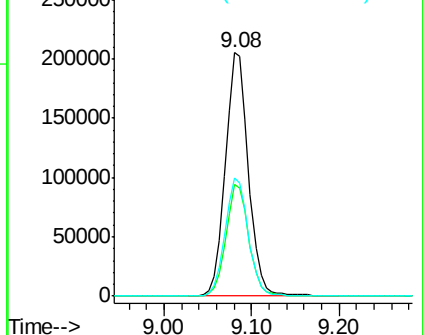


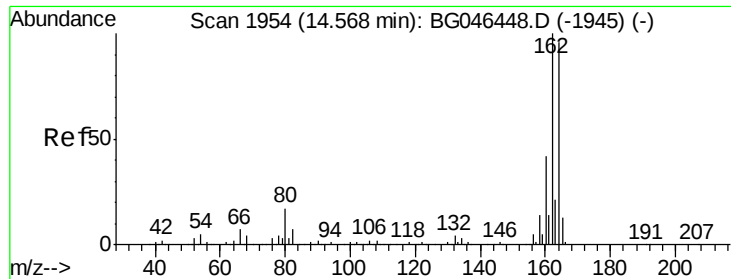
#23
Nitrobenzene-d5
Concen: 84.676 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046495.D
Acq: 1 Sep 2020 22:10

Tgt Ion: 82	Resp:	371782
Ion	Ratio	Lower Upper
82	100	
128	45.8	35.7 53.5
54	48.6	39.4 59.0



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: 14.56 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

Instrument :

BNA_G

ClientSampleId :
15203

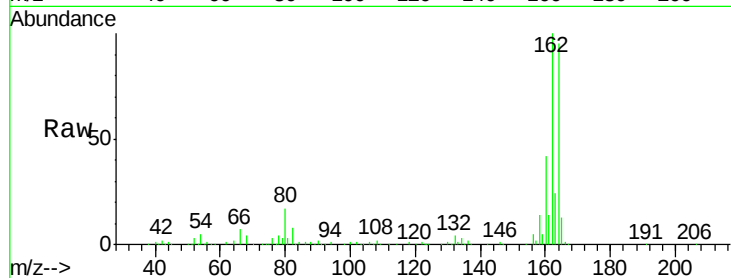
Tot Ion:164 Resp: 174248

Ion Ratio Lower Upper

164 100

162 105.0 83.3 124.9

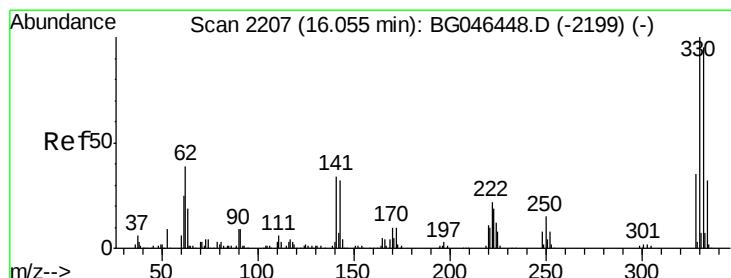
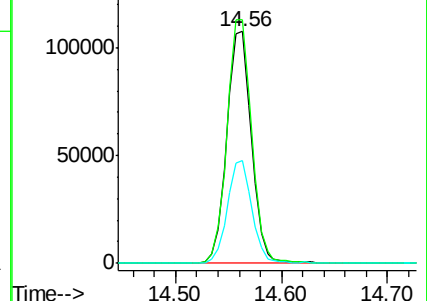
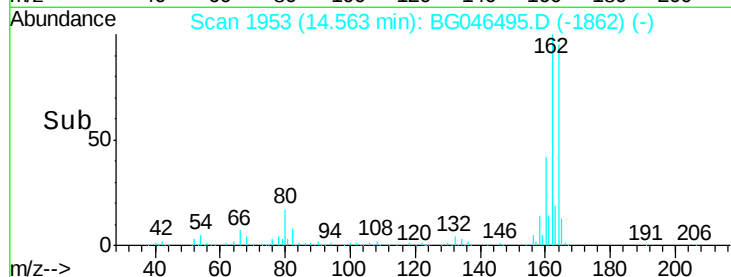
160 44.1 35.0 52.6



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: 106.152 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

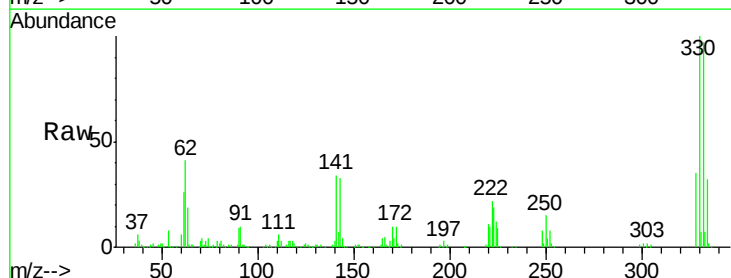
Tgt Ion:330 Resp: 250619

Ion Ratio Lower Upper

330 100

332 97.1 76.1 114.1

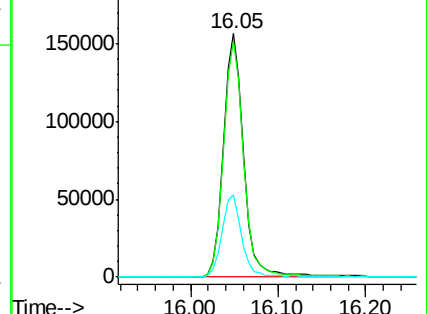
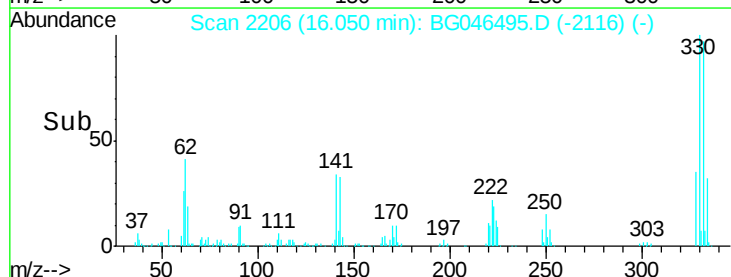
141 33.4 26.1 39.1

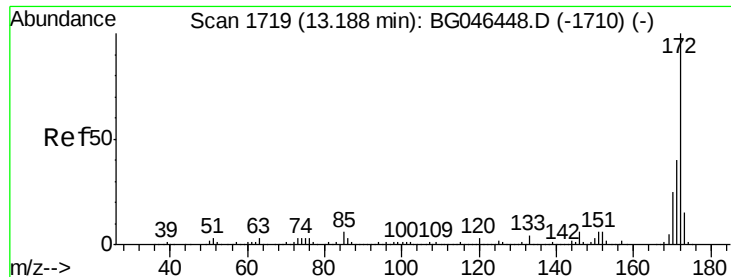


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

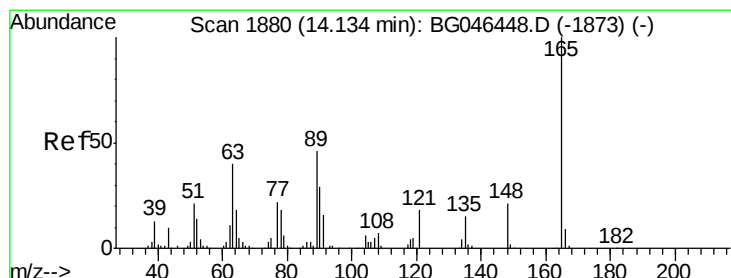
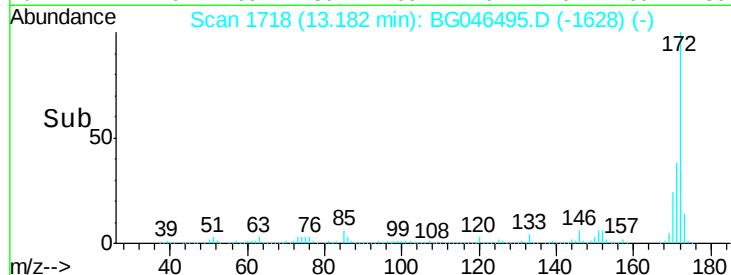
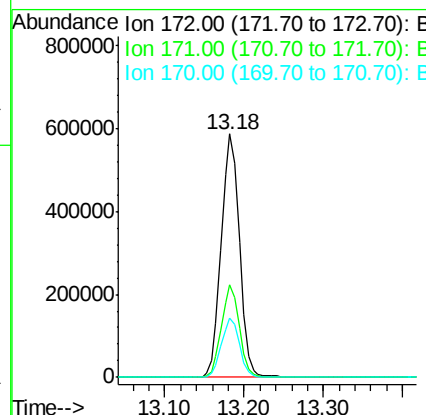
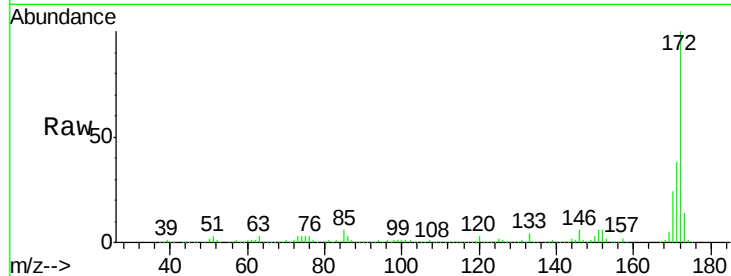




#45
 2-Fluorobiphenyl
 Concen: 82.312 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046495.D
 Acq: 1 Sep 2020 22:10

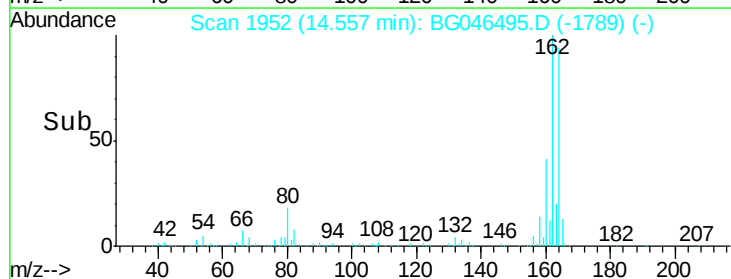
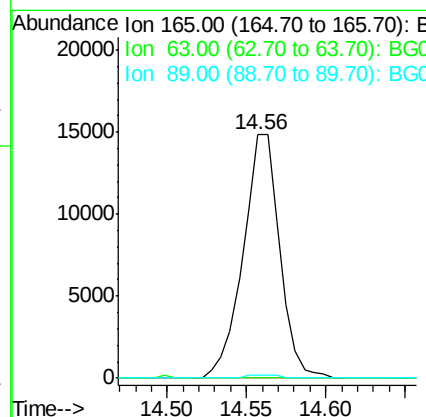
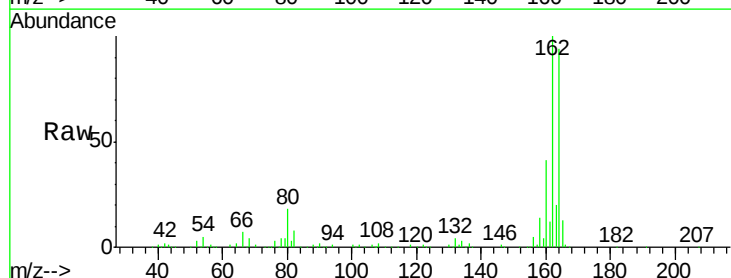
Instrument :
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 15203

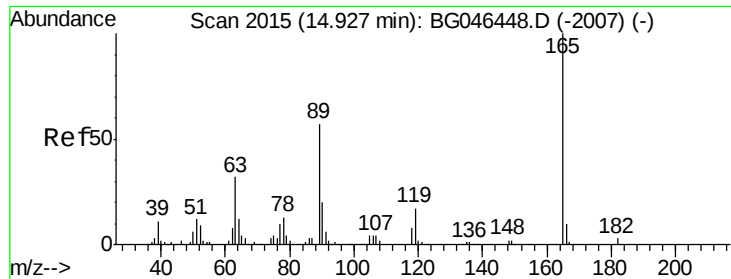
Tot Ion:172 Resp: 939547
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.8 47.6
 170 24.2 20.3 30.5



#51
 2,6-Dinitrotoluene
 Concen: 7.993 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.43 min
 Lab File: BG046495.D
 Acq: 1 Sep 2020 22:10

Tgt Ion:165 Resp: 23752
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.2 51.4#
 89 1.4 37.0 55.4#

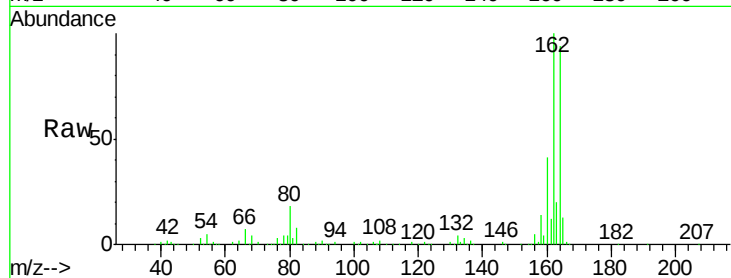




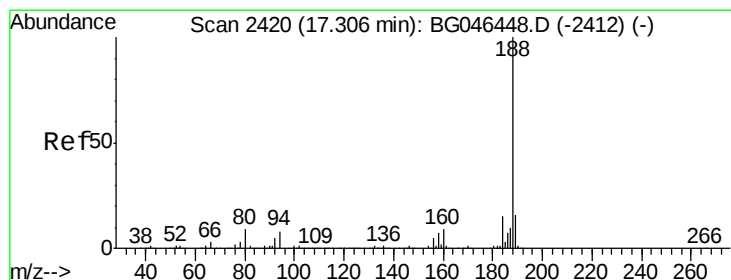
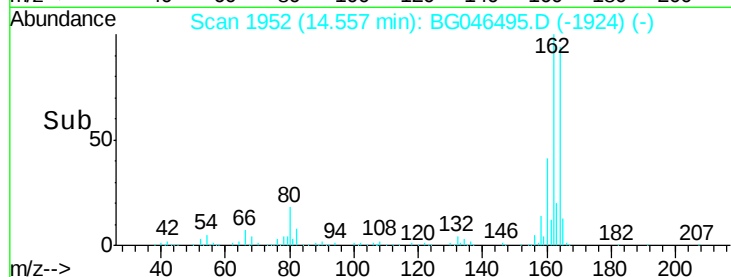
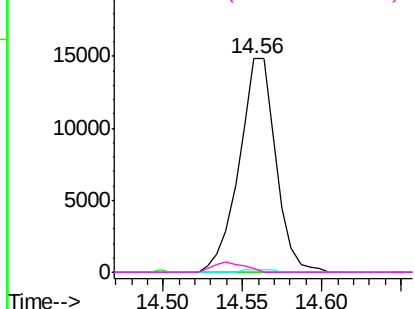
#57
 2,4-Dinitrotoluene
 Concen: 5.606 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046495.D
 Acq: 1 Sep 2020 22:10

Instrument :
 BNA_G
 ClientSampleId :
 15203

Tot Ion:165 Resp: 23752
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 1.4 45.9 68.9#
 182 1.8 2.3 3.5#

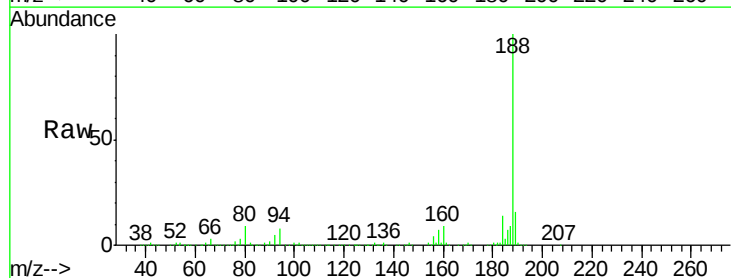


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

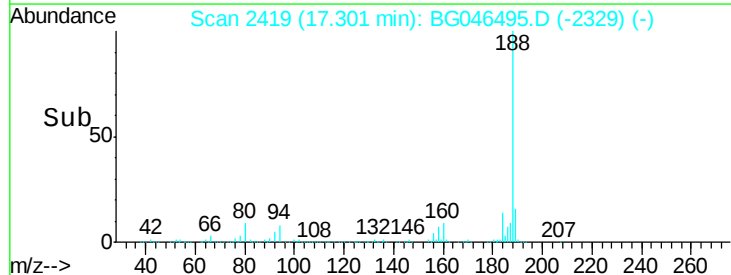
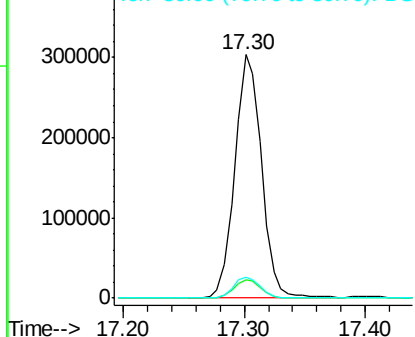


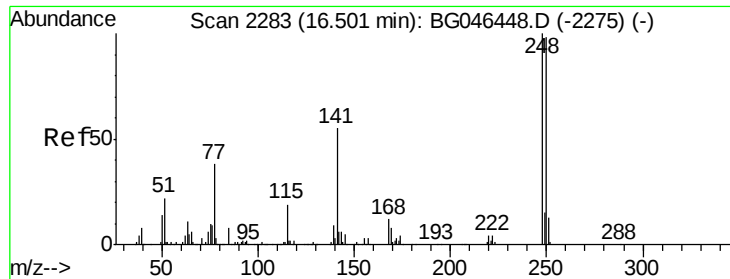
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046495.D
 Acq: 1 Sep 2020 22:10

Tgt Ion:188 Resp: 468540
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.3 9.5
 80 8.7 6.9 10.3



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: 3.554 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

Instrument :

BNA_G

ClientSampleId :

15203

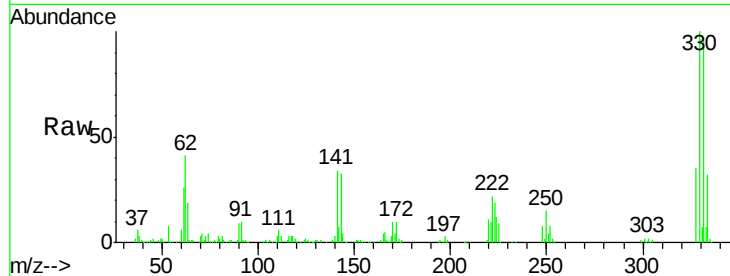
Tot Ion:248 Resp: 19429

Ion Ratio Lower Upper

248 100

250 196.2 78.6 118.0#

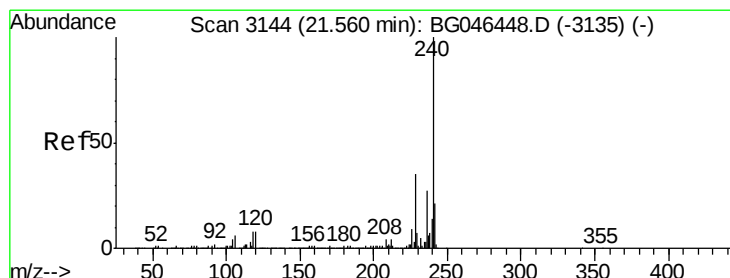
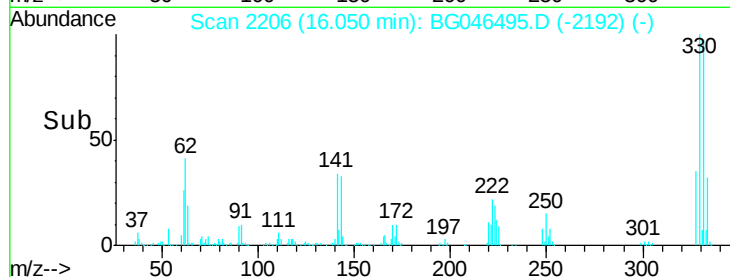
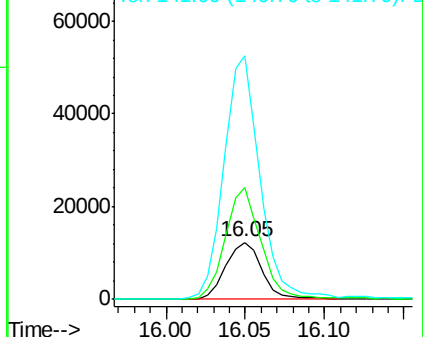
141 425.7 43.9 65.9#



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: 21.55 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

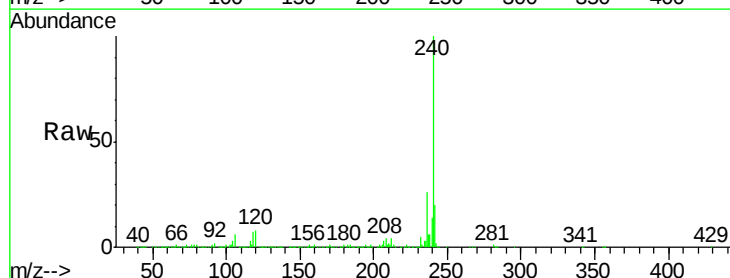
Tgt Ion:240 Resp: 526073

Ion Ratio Lower Upper

240 100

120 8.0 6.6 10.0

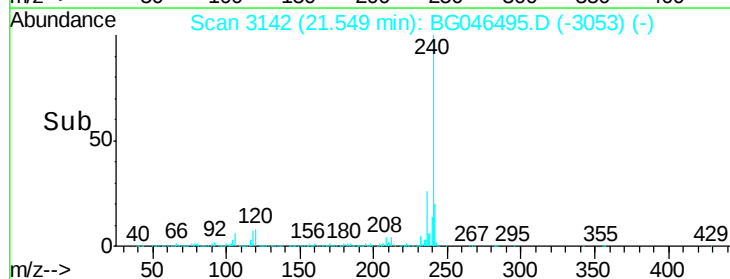
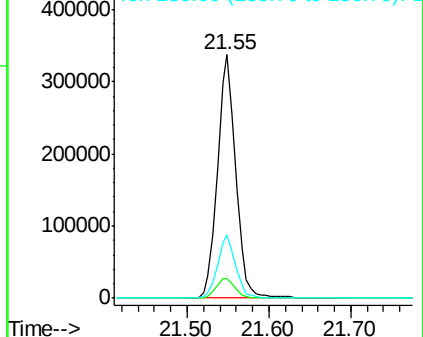
236 26.0 21.4 32.2



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: 2.399 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.39 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

Instrument :

BNA_G

ClientSampleId :

15203

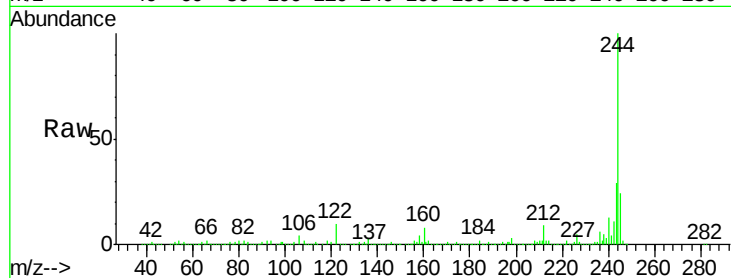
Tot Ion:184 Resp: 29324

Ion Ratio Lower Upper

184 100

185 18.7 11.8 17.8#

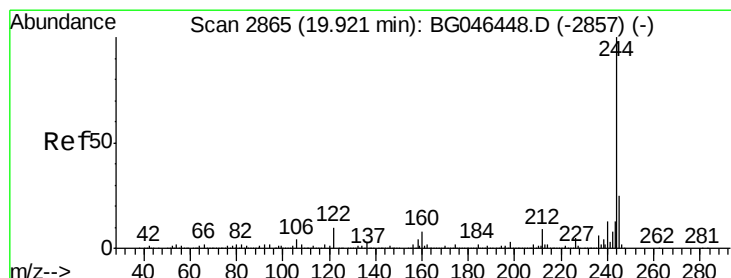
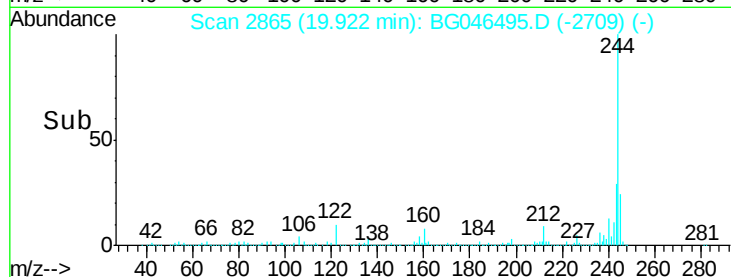
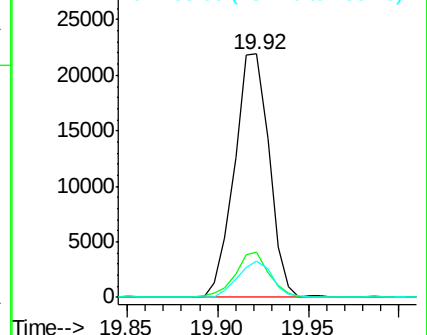
183 15.0 10.7 16.1



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: 75.661 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046495.D

Acq: 1 Sep 2020 22:10

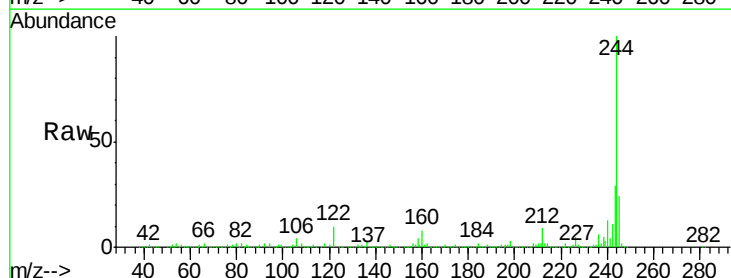
Tgt Ion:244 Resp: 1870293

Ion Ratio Lower Upper

244 100

212 8.9 6.9 10.3

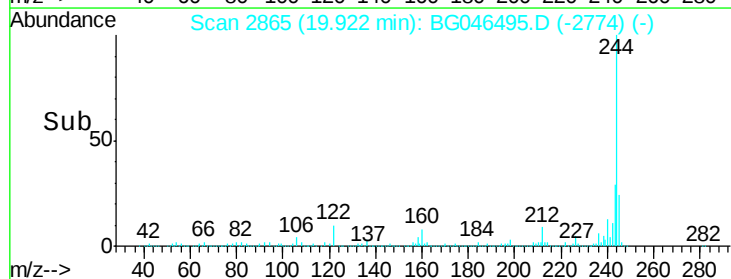
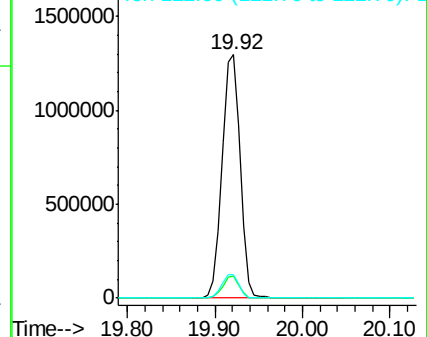
122 9.5 8.2 12.4

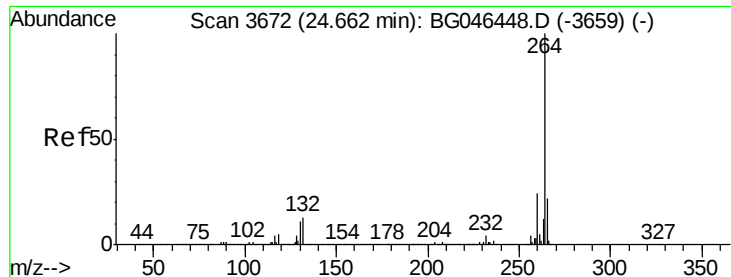


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3670
Delta R.T. -0.00 min
Lab File: BG046495.D
Acq: 1 Sep 2020 22:10

Instrument :
BNA_G
ClientSampleId :
15203

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.0	17.9	26.9

