

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046642.D
 Acq On : 16 Sep 2020 16:00
 Operator : CG/JU
 Sample : PB131657BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131657BL

Quant Time: Sep 16 17:35:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 13:09:36 2020
 Response via : Initial Calibration

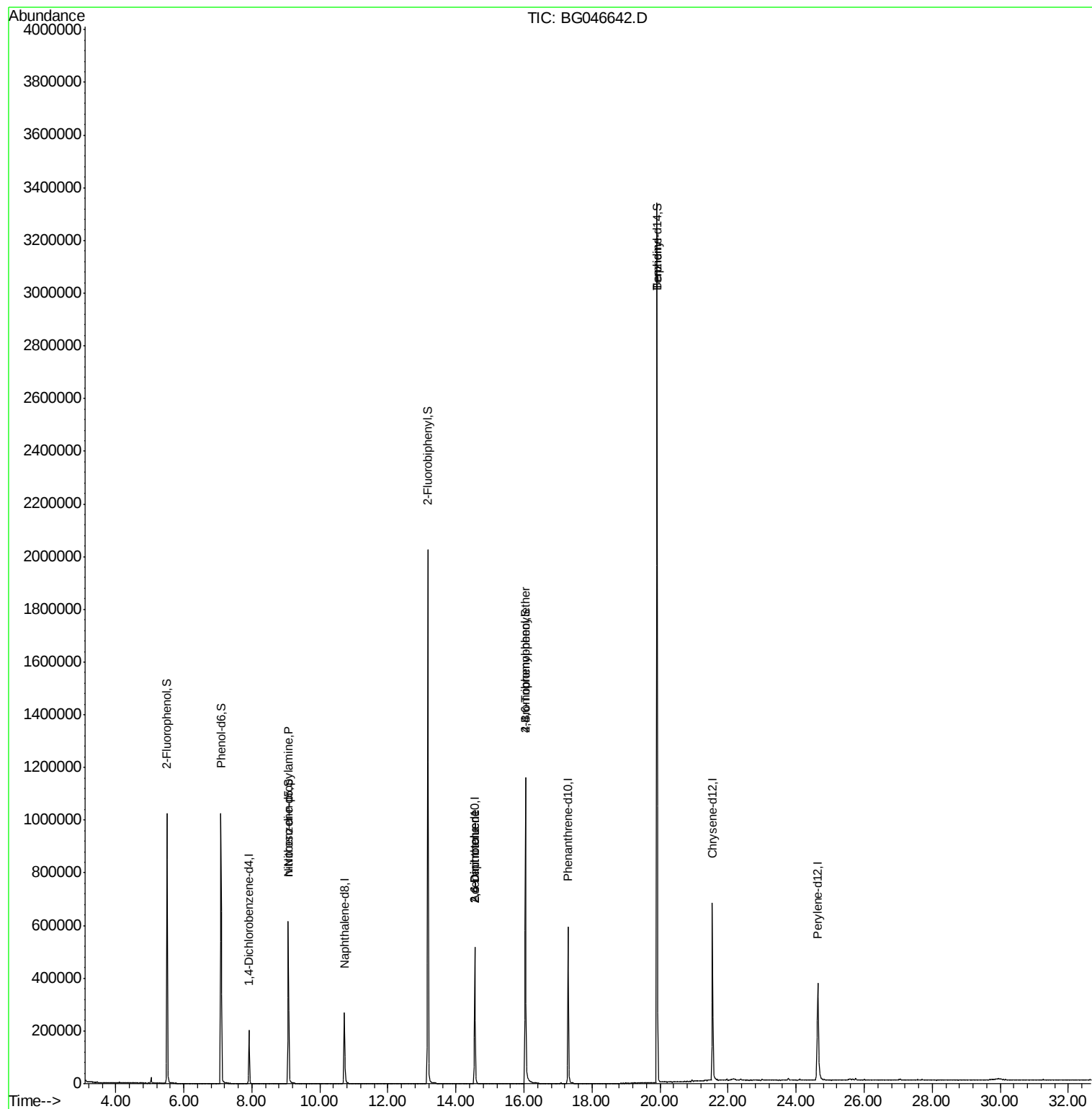
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	65657	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	283055	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	209329	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	439815	20.00	ng	0.00
76) Chrysene-d12	21.54	240	454308	20.00	ng	0.00
86) Perylene-d12	24.64	264	436363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	491738	132.65	ng	0.00
7) Phenol-d6	7.09	99	661615	125.90	ng	0.00
23) Nitrobenzene-d5	9.07	82	412463	83.29	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	259263	91.41	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1184773	86.40	ng	0.00
79) Terphenyl-d14	19.91	244	1601830	75.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	51569	16.406	ng	# 77
51) 2,6-Dinitrotoluene	14.55	165	27693	7.757	ng	# 32
57) 2,4-Dinitrotoluene	14.55	165	27693	5.440	ng	# 33
67) 4-Bromophenyl-phenylether	16.04	248	19355	3.772	ng	# 1
77) Benzidine	19.91	184	23843	2.259	ng	# 96

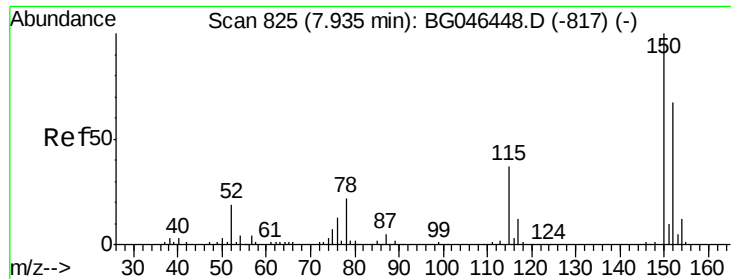
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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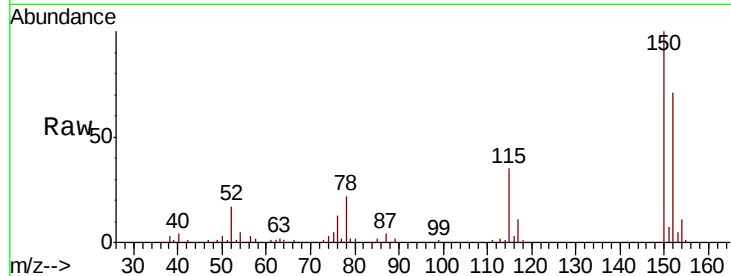


#1

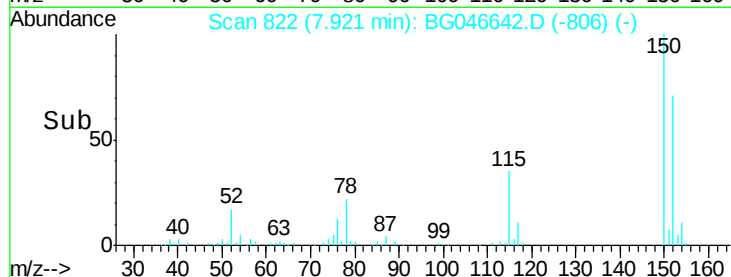
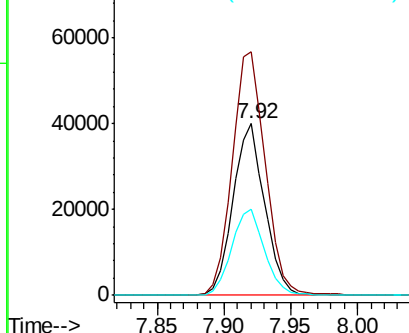
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BG046642.D
 Acq: 16 Sep 2020 16:00

Instrument :
 BNA_G
 ClientSampleId :
 PB131657BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.8	119.5	179.3
115	50.2	44.3	66.5



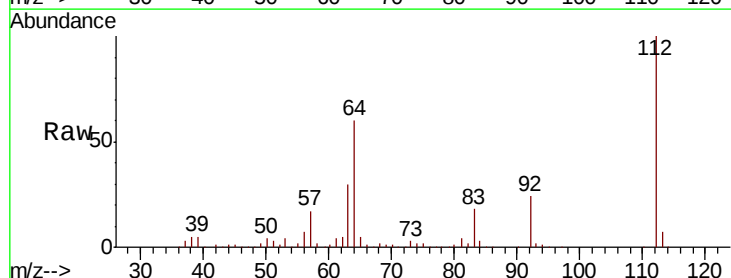
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



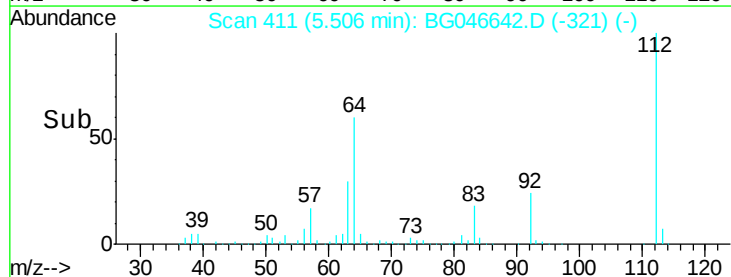
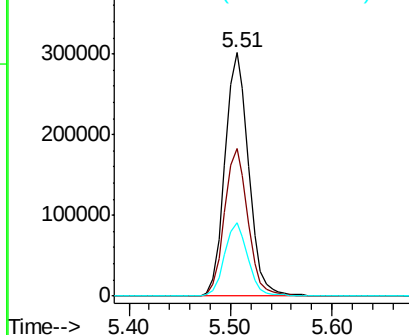
#5

2-Fluorophenol
 Concen: 132.653 ng
 RT: 5.51 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BG046642.D
 Acq: 16 Sep 2020 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.0	70.6
63	30.0	23.5	35.3



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: 125.902 ng

RT: 7.09 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG046642.D

Acq: 16 Sep 2020 16:00

Instrument :

BNA_G

ClientSampleId :

PB131657BL

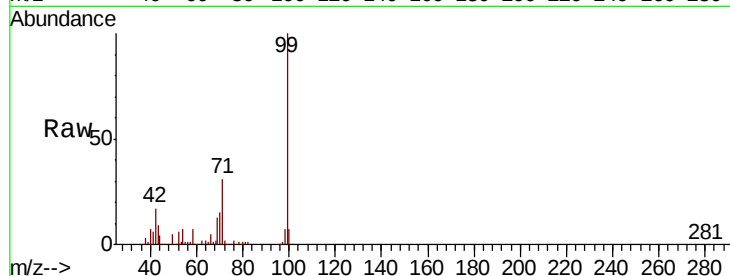
Tot Ion: 99 Resp: 661615

Ion Ratio Lower Upper

99 100

42 16.8 13.3 19.9

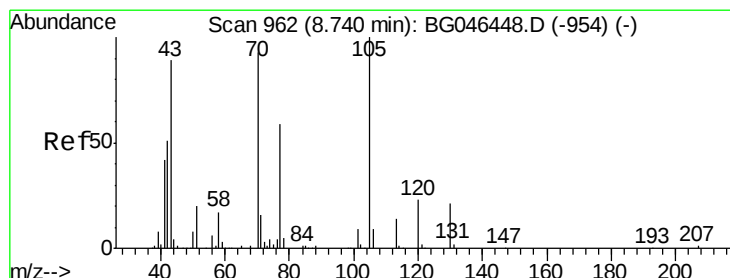
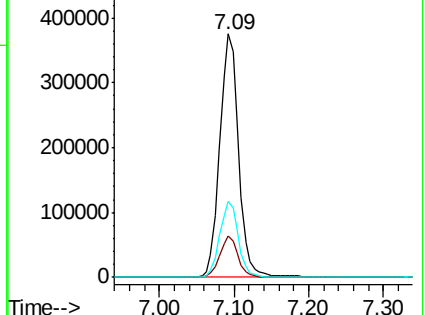
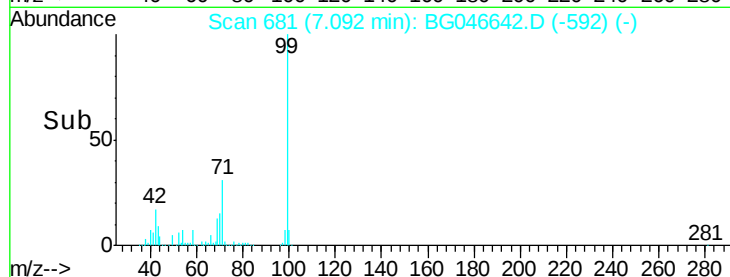
71 31.4 25.3 37.9



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: 16.406 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.35 min

Lab File: BG046642.D

Acq: 16 Sep 2020 16:00

Tgt Ion: 70 Resp: 51569

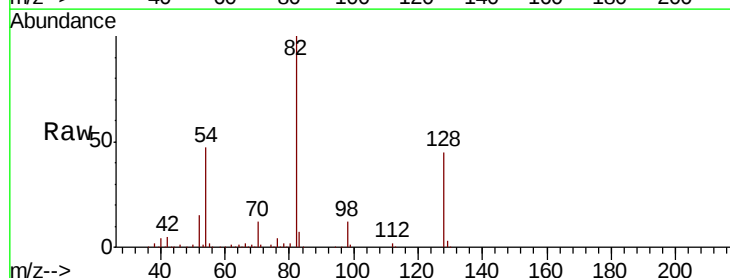
Ion Ratio Lower Upper

70 100

42 44.0 44.2 66.2#

101 0.0 7.8 11.8#

130 2.8 18.2 27.4#

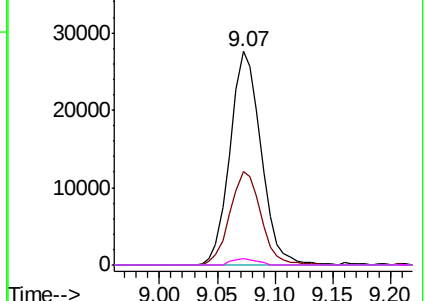
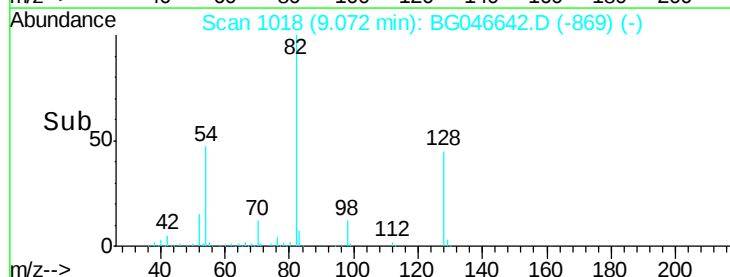


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

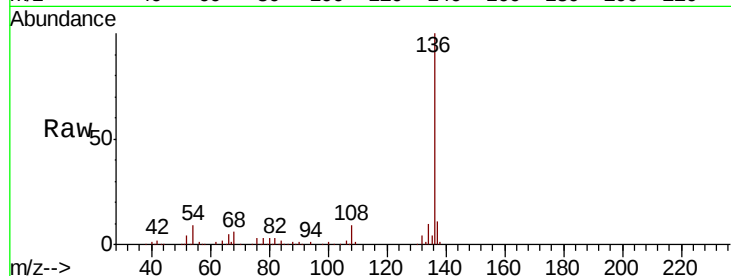




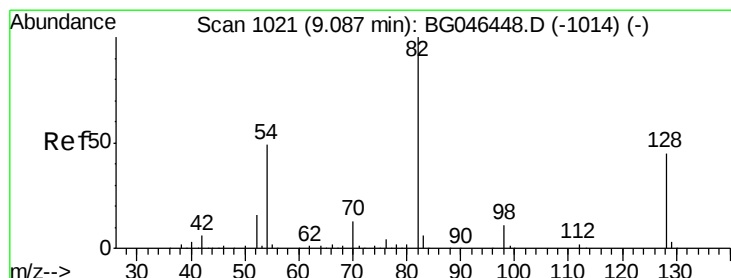
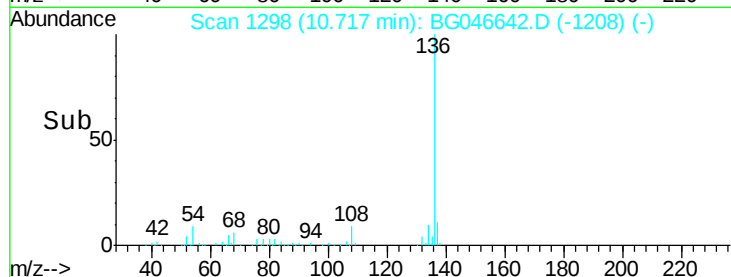
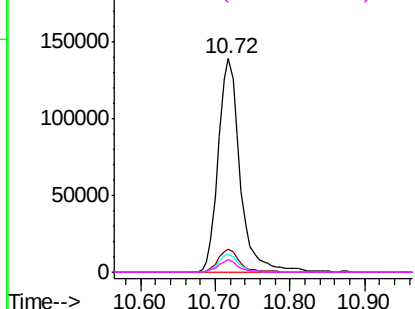
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046642.D
Acq: 16 Sep 2020 16:00

Instrument :
BNA_G
ClientSampleId :
PB131657BL

Tot Ion:136	Resp:	283055
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	8.5	6.1 9.1
68	6.2	4.8 7.2

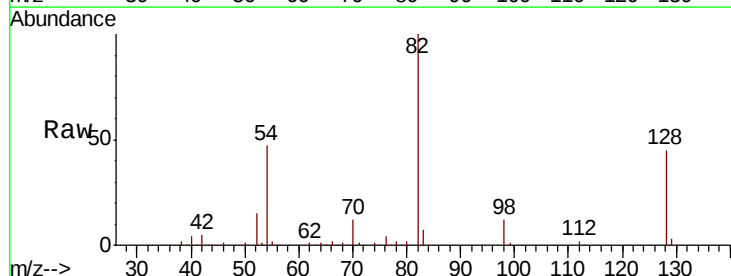


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

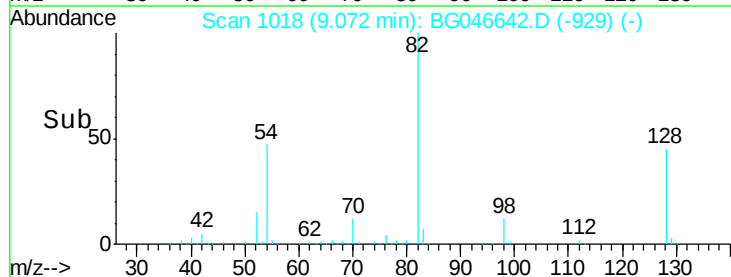
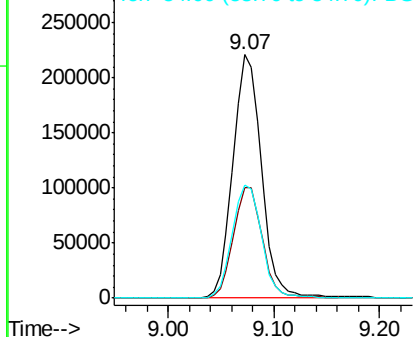


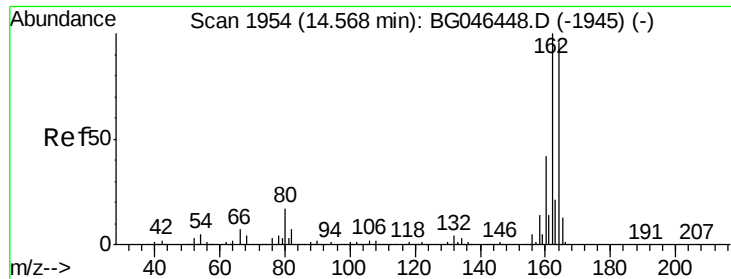
#23
Nitrobenzene-d5
Concen: 83.285 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG046642.D
Acq: 16 Sep 2020 16:00

Tgt Ion: 82	Resp:	412463
Ion	Ratio	Lower Upper
82	100	
128	45.2	35.7 53.5
54	46.7	39.4 59.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG046642.D

Acq: 16 Sep 2020 16:00

Instrument :

BNA_G

ClientSampleId :

PB131657BL

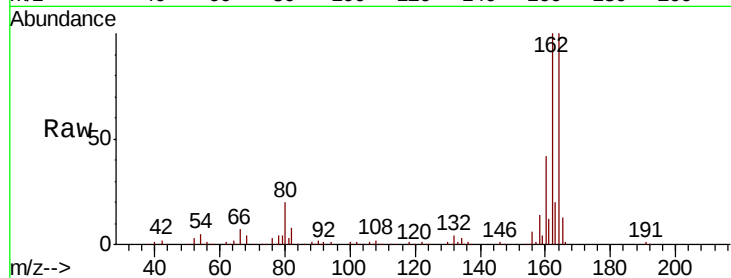
Tot Ion:164 Resp: 209329

Ion Ratio Lower Upper

164 100

162 99.8 83.3 124.9

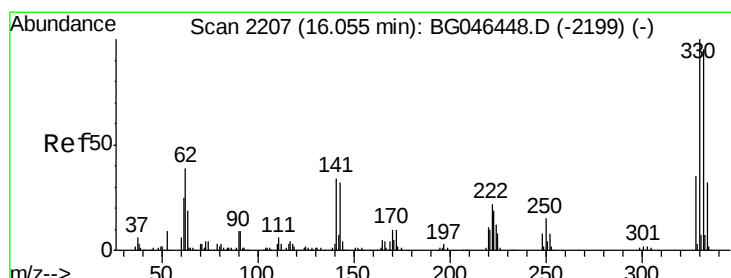
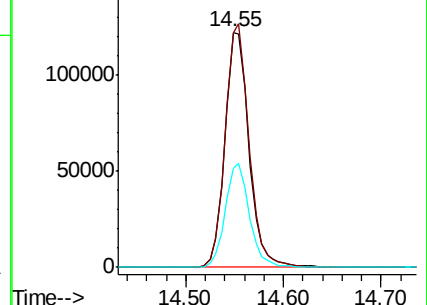
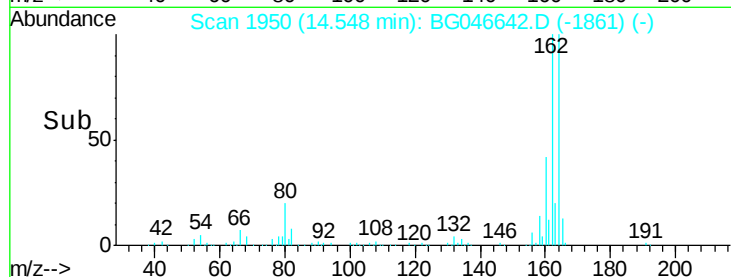
160 42.1 35.0 52.6



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: 91.410 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BG046642.D

Acq: 16 Sep 2020 16:00

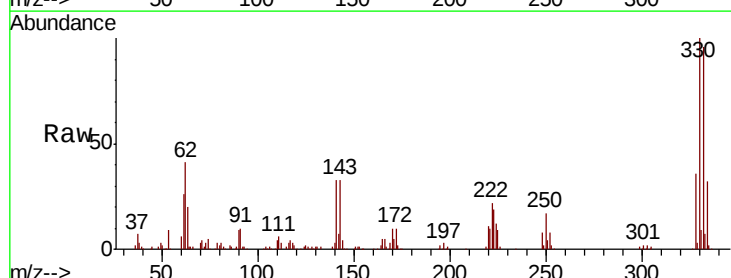
Tgt Ion:330 Resp: 259263

Ion Ratio Lower Upper

330 100

332 98.1 76.1 114.1

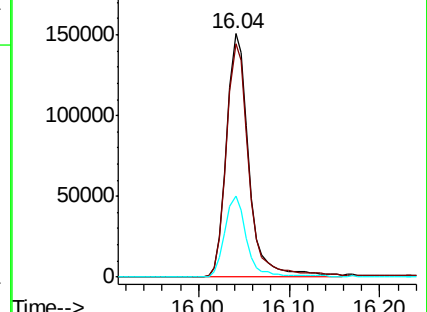
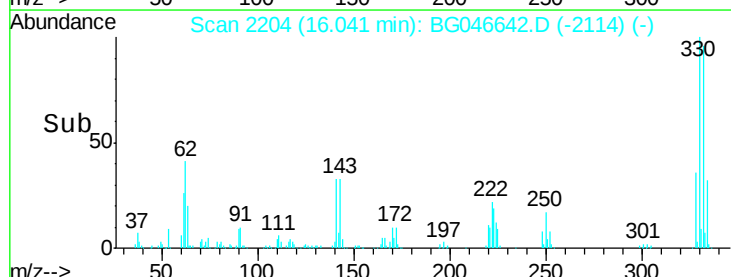
141 32.6 26.1 39.1

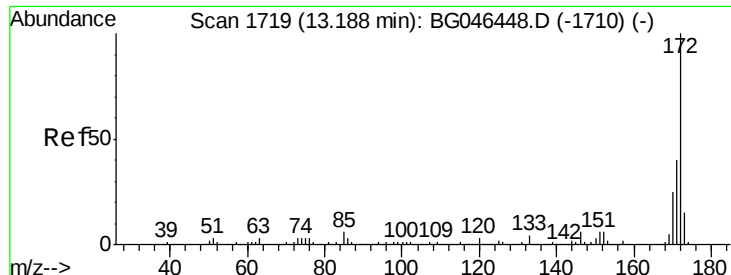


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

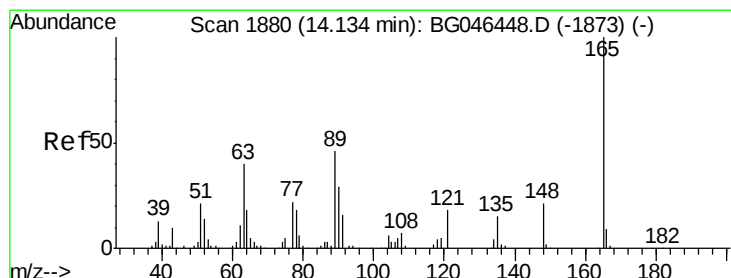
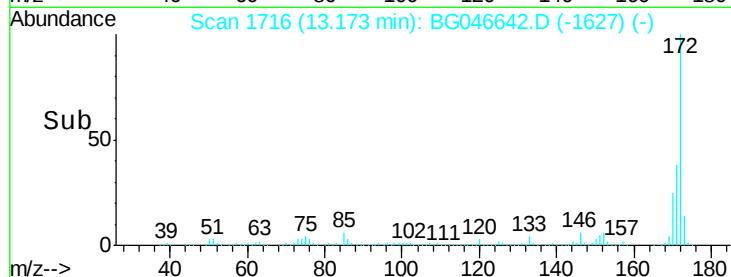
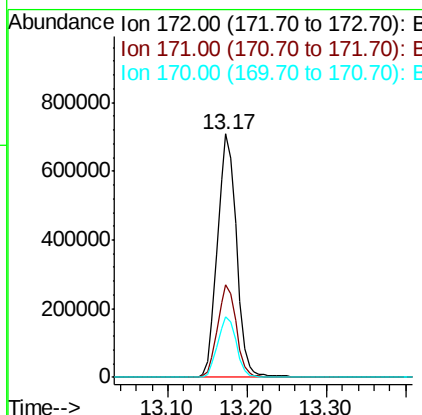
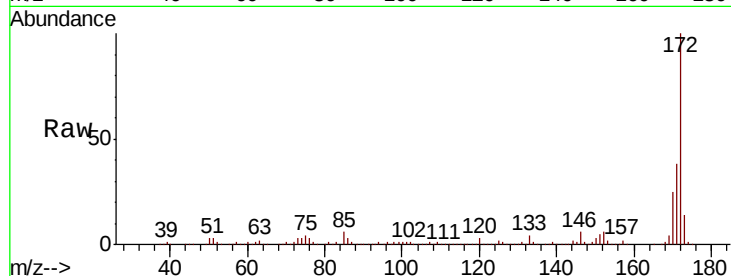




#45
 2-Fluorobiphenyl
 Concen: 86.401 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG046642.D
 Acq: 16 Sep 2020 16:00

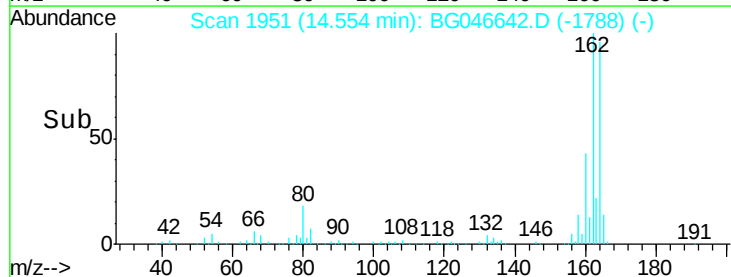
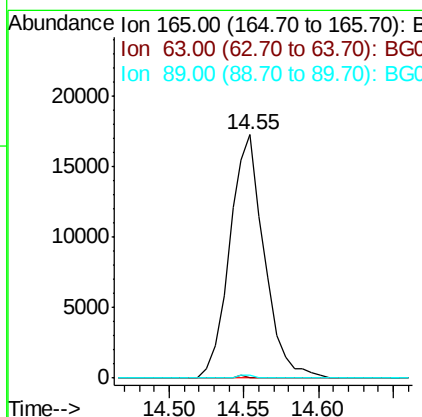
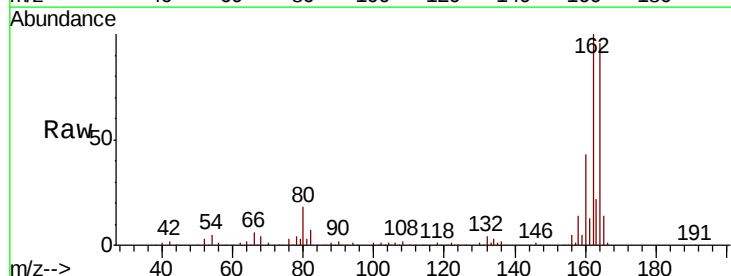
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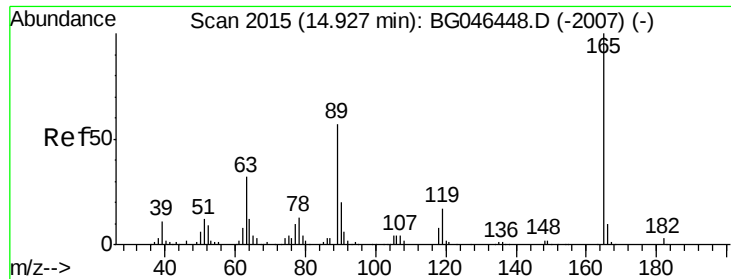
Tot Ion:172 Resp: 1184773
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.8 47.6
 170 25.0 20.3 30.5



#51
 2,6-Dinitrotoluene
 Concen: 7.757 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG046642.D
 Acq: 16 Sep 2020 16:00

Tgt Ion:165 Resp: 27693
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.2 51.4#
 89 1.1 37.0 55.4#

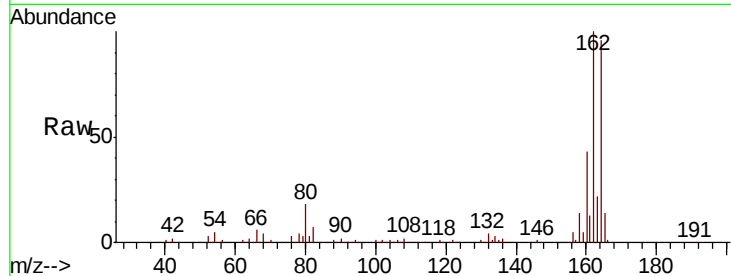




#57
 2,4-Dinitrotoluene
 Concen: 5.440 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG046642.D
 Acq: 16 Sep 2020 16:00

Instrument :
 BNA_G
 ClientSampleId :
 PB131657BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.1	45.9	68.9#
182	0.0	2.3	3.5#



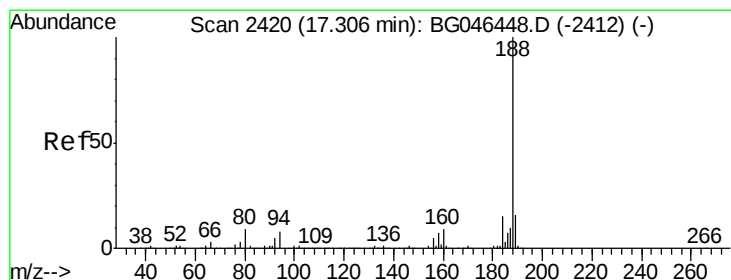
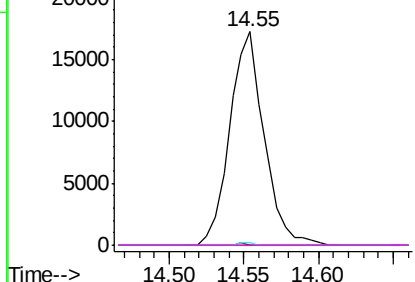
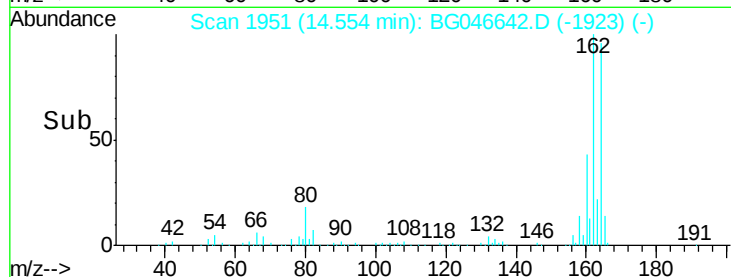
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

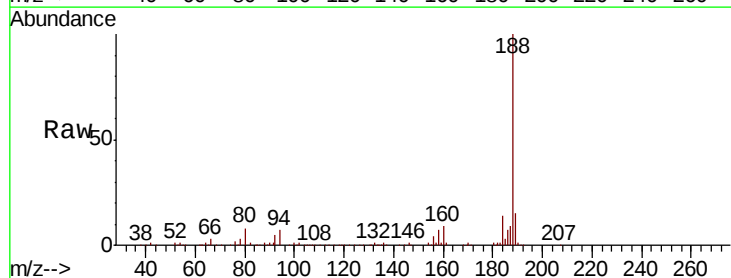
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2417
 Delta R.T. -0.01 min
 Lab File: BG046642.D
 Acq: 16 Sep 2020 16:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.3	9.5
80	8.5	6.9	10.3

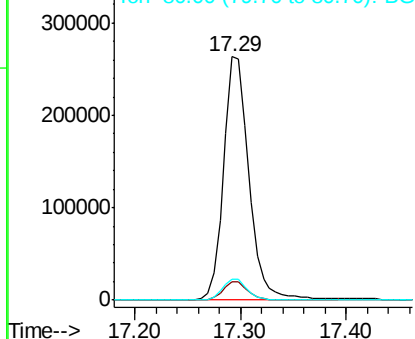
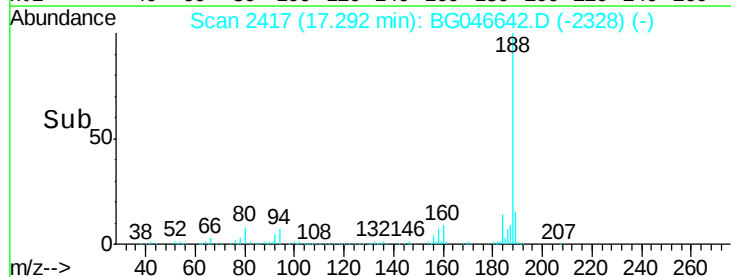


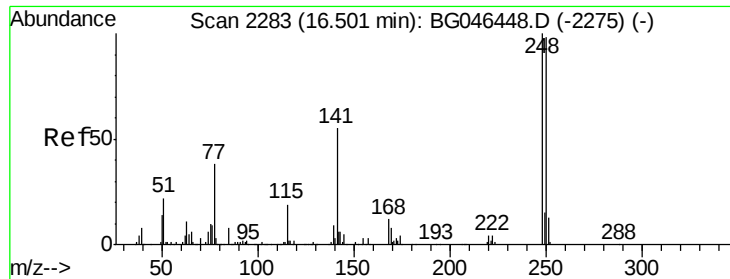
Abundance

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

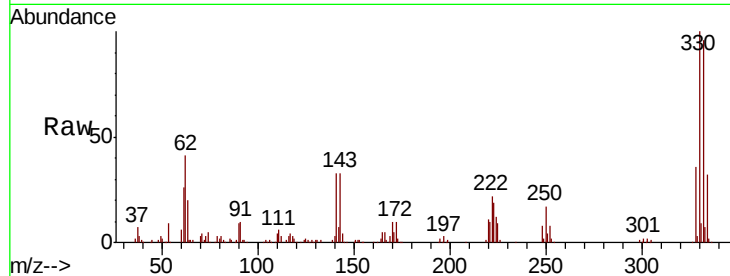




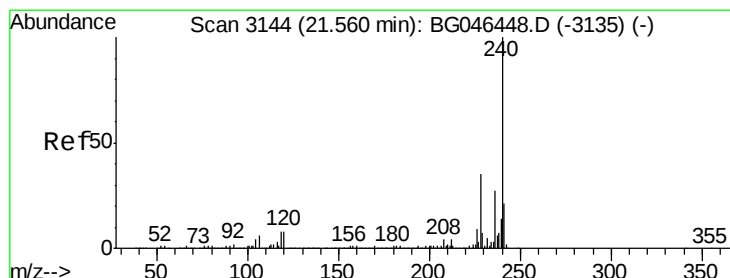
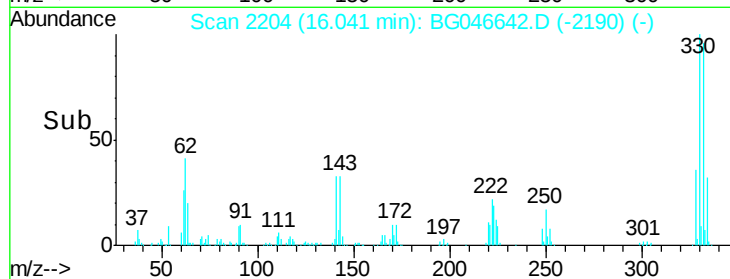
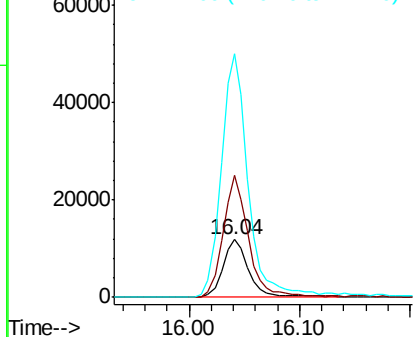
#67
4-Bromophenyl-phenylether
Concen: 3.772 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.45 min
Lab File: BG046642.D
Acq: 16 Sep 2020 16:00

Instrument :
BNA_G
ClientSampleId :
PB131657BL

Tot Ion:248 Resp: 19355
Ion Ratio Lower Upper
248 100
250 209.7 78.6 118.0#
141 420.1 43.9 65.9#

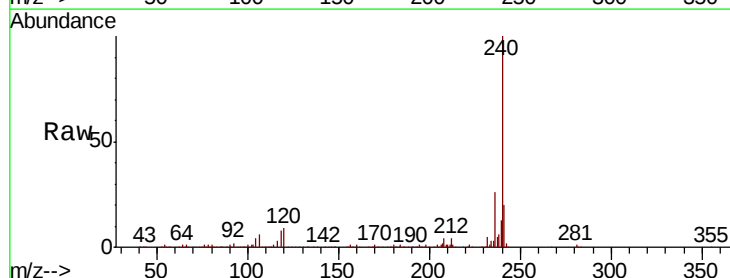


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

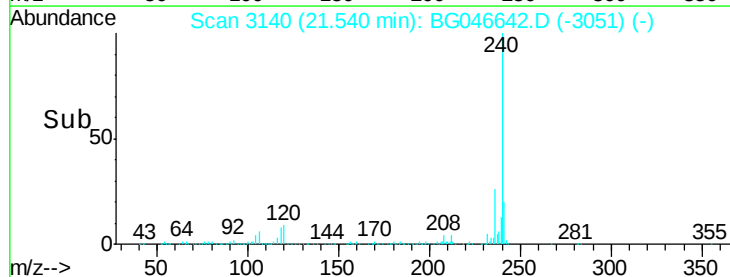
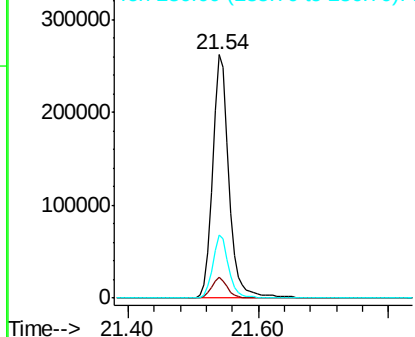


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046642.D
Acq: 16 Sep 2020 16:00

Tgt Ion:240 Resp: 454308
Ion Ratio Lower Upper
240 100
120 8.5 6.6 10.0
236 26.1 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: 2.259 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046642.D

Acq: 16 Sep 2020 16:00

Instrument :

BNA_G

ClientSampleId :

PB131657BL

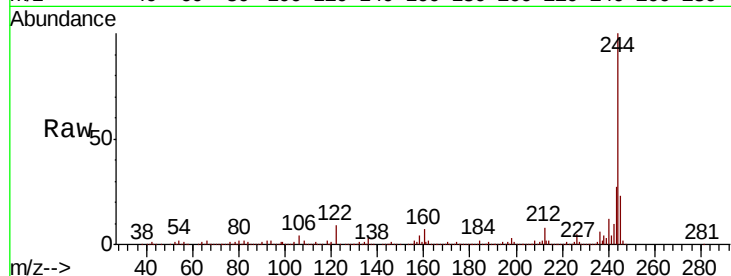
Tot Ion:184 Resp: 23843

Ion Ratio Lower Upper

184 100

185 17.9 11.8 17.8#

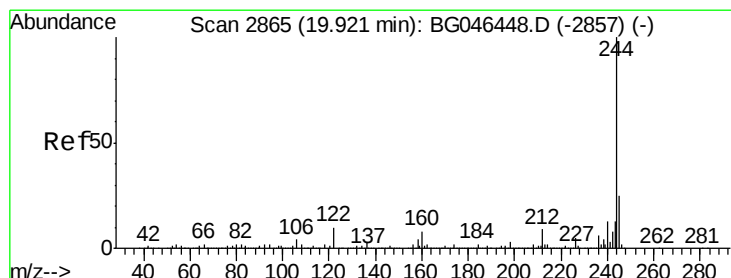
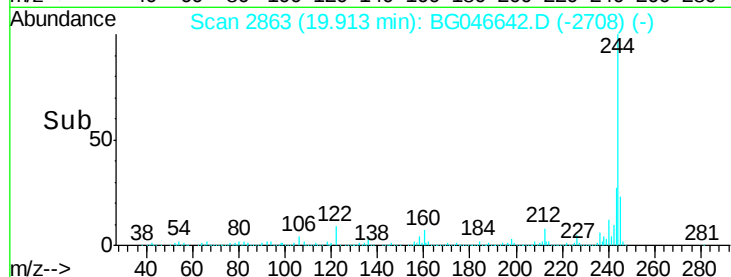
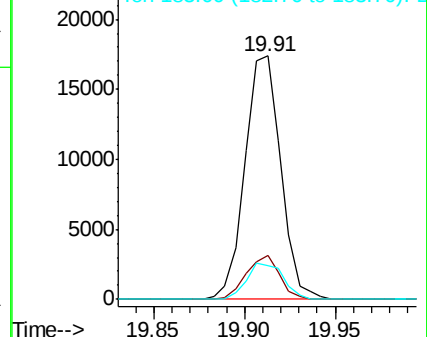
183 13.8 10.7 16.1



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: 75.037 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG046642.D

Acq: 16 Sep 2020 16:00

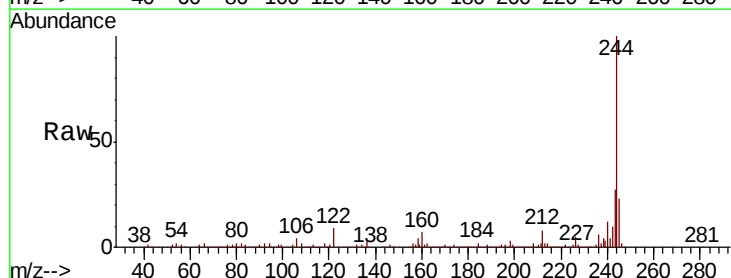
Tgt Ion:244 Resp: 1601830

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

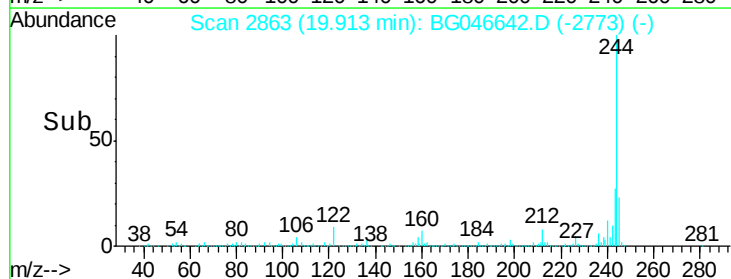
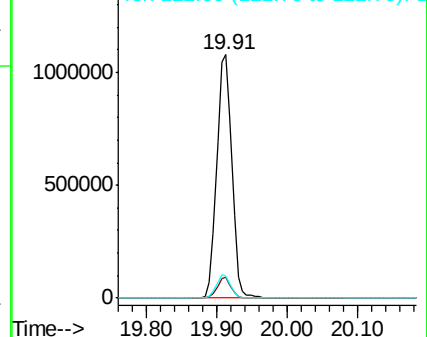
122 9.2 8.2 12.4

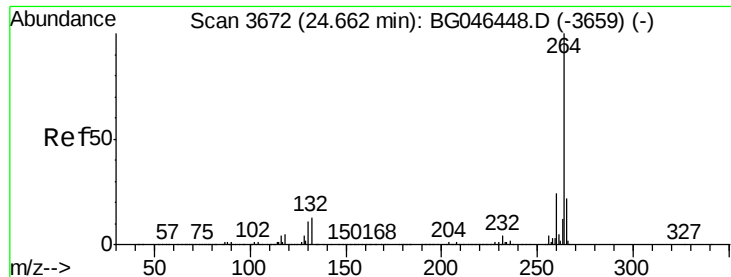


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.64 min Scan# 3667
Delta R.T. 0.00 min
Lab File: BG046642.D
Acq: 16 Sep 2020 16:00

Instrument :
BNA_G
ClientSampleId :
PB131657BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.7	17.9	26.9

