

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\
 Data File : BG046630.D
 Acq On : 15 Sep 2020 18:47
 Operator : CG/JU
 Sample : L3871-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-091420

Quant Time: Sep 16 00:42:13 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

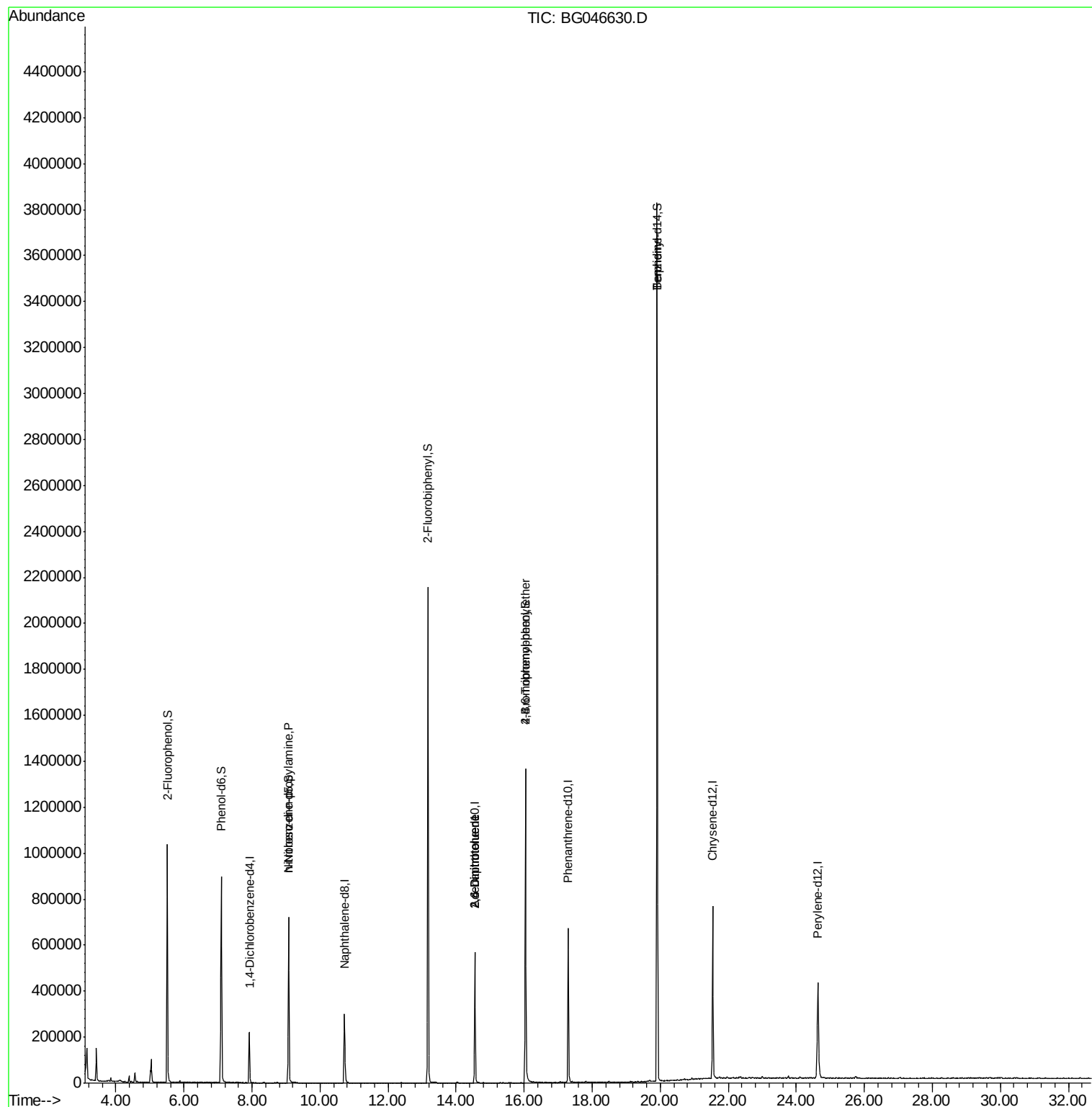
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	71846	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	302878	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	216115	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	459671	20.00	ng	0.00
76) Chrysene-d12	21.54	240	492565	20.00	ng	0.00
86) Perylene-d12	24.63	264	476635	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	478328	117.92	ng	0.00
7) Phenol-d6	7.09	99	588955	102.42	ng	0.00
23) Nitrobenzene-d5	9.07	82	467339	88.19	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	311552	106.40	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1262871	89.20	ng	0.00
79) Terphenyl-d14	19.91	244	1771725	76.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	60416	17.565	ng	# 73
51) 2,6-Dinitrotoluene	14.55	165	28539	7.743	ng	# 32
57) 2,4-Dinitrotoluene	14.55	165	28539	5.431	ng	# 32
67) 4-Bromophenyl-phenylether	16.04	248	23448	4.372	ng	# 1
77) Benzidine	19.91	184	27106	2.368	ng	97

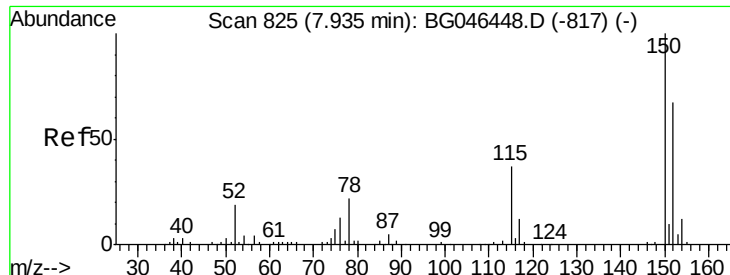
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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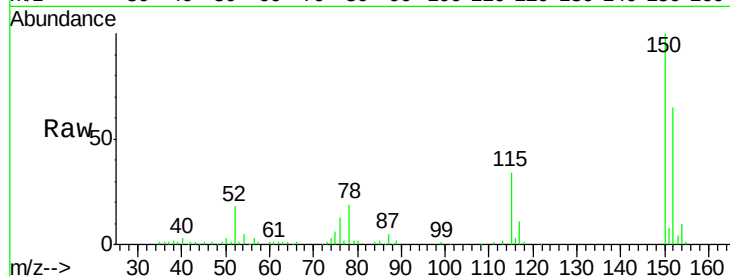


#1

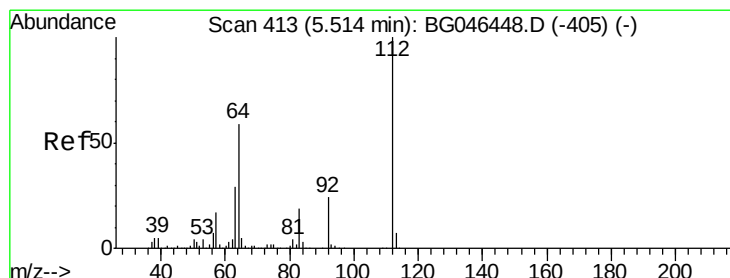
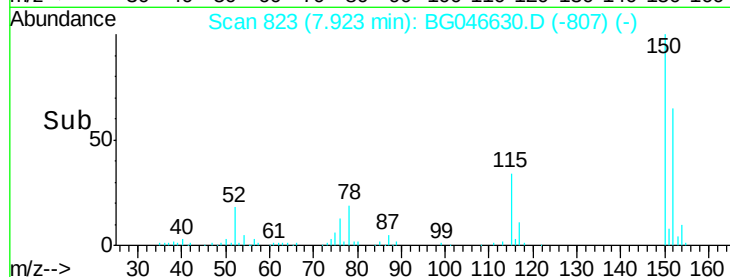
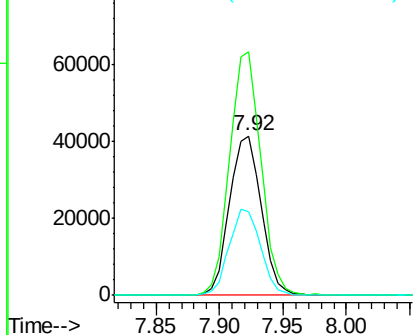
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BG046630.D
 Acq: 15 Sep 2020 18:47

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-091420

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	119.5	179.3
115	52.1	44.3	66.5



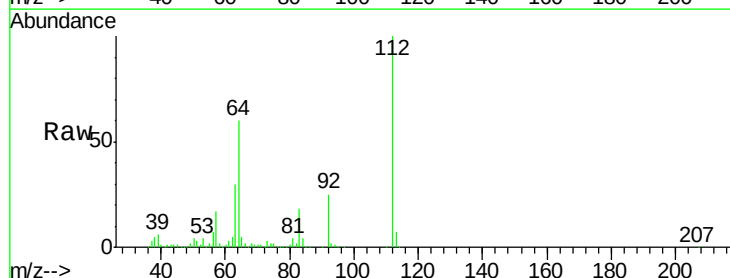
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



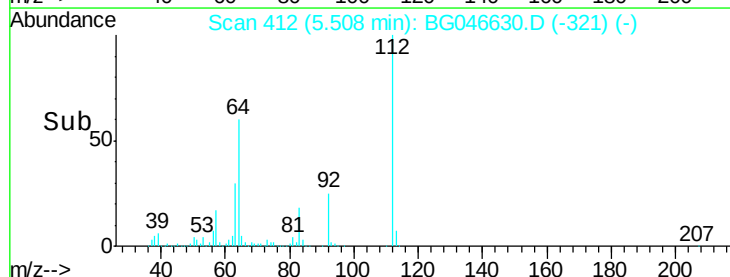
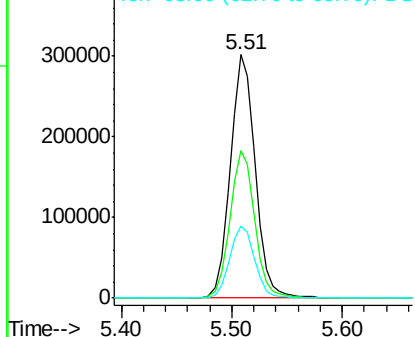
#5

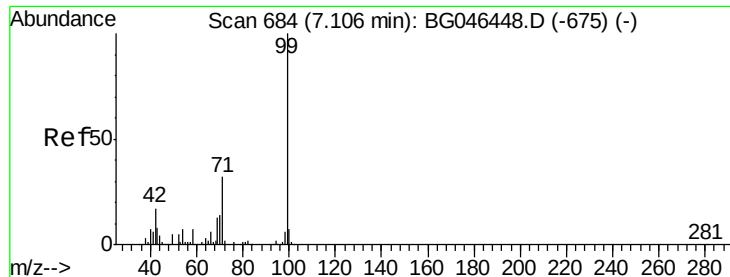
2-Fluorophenol
 Concen: 117.920 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: BG046630.D
 Acq: 15 Sep 2020 18:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.0	70.6
63	29.7	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: 102.421 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

Instrument :

BNA_G

ClientSampleId :

TR-04-091420

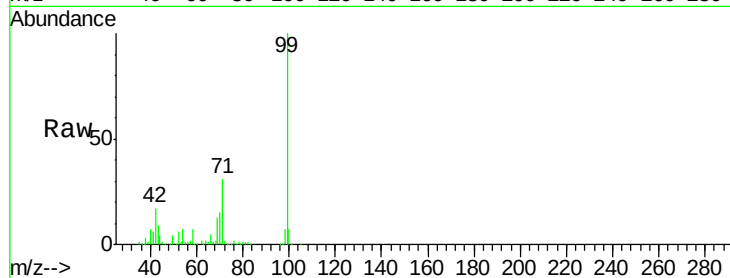
Tot Ion: 99 Resp: 588955

Ion Ratio Lower Upper

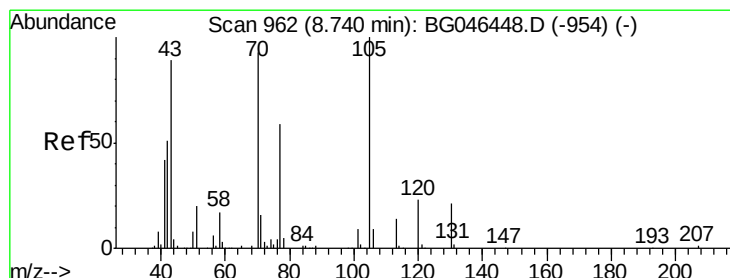
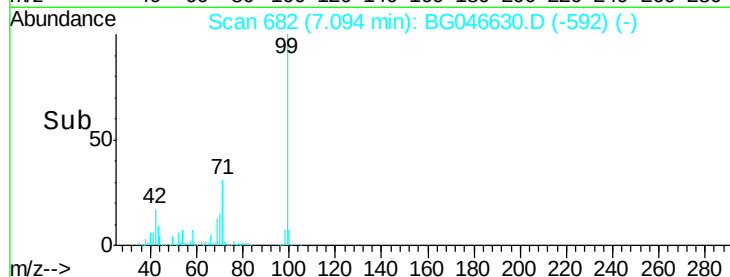
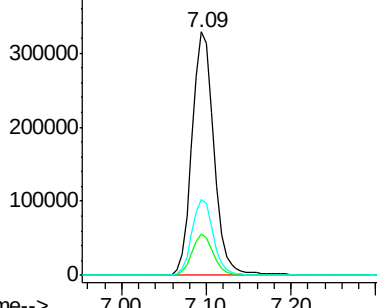
99 100

42 17.1 13.3 19.9

71 31.2 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: 17.565 ng

RT: 9.07 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

Tgt Ion: 70 Resp: 60416

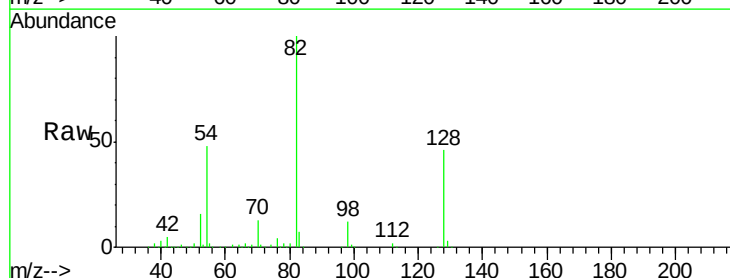
Ion Ratio Lower Upper

70 100

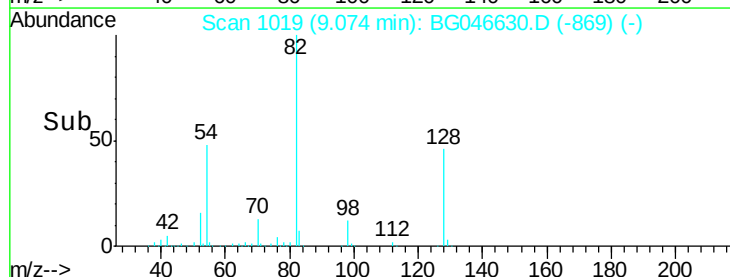
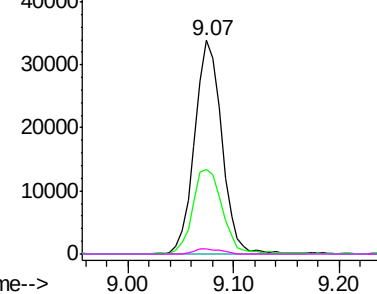
42 39.7 44.2 66.2#

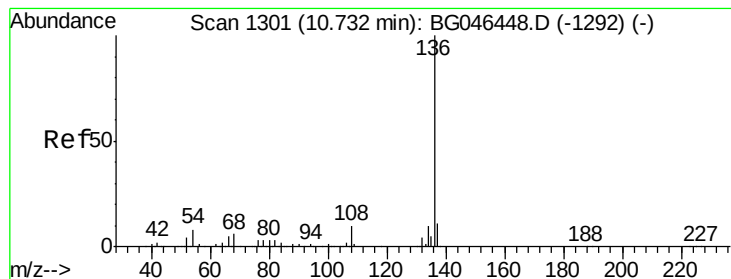
101 0.0 7.8 11.8#

130 2.2 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# 1299

Delta R.T. 0.00 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

Instrument :

BNA_G

ClientSampleId :

TR-04-091420

Tot Ion:136 Resp: 302878

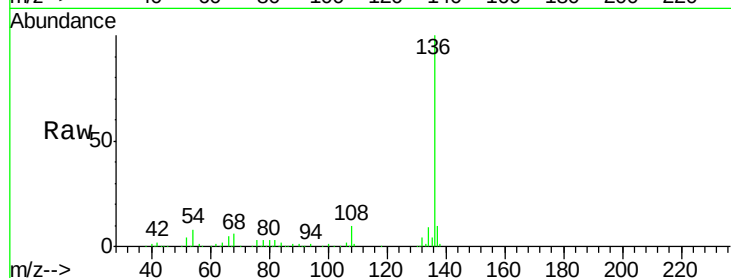
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 7.9 6.1 9.1

68 6.4 4.8 7.2

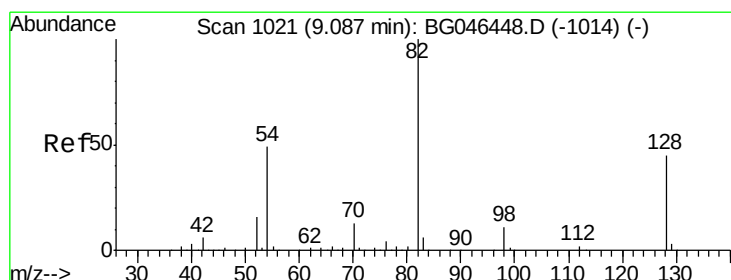
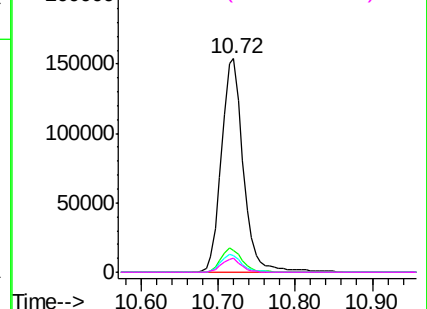
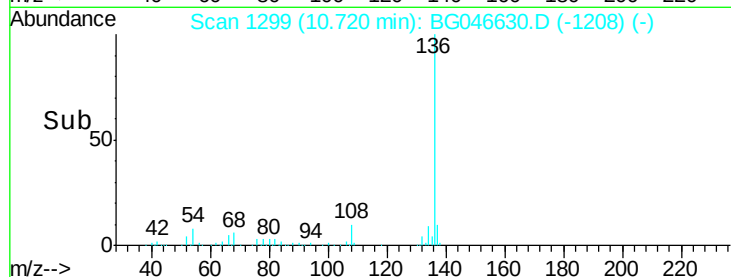


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.190 ng

RT: 9.07 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

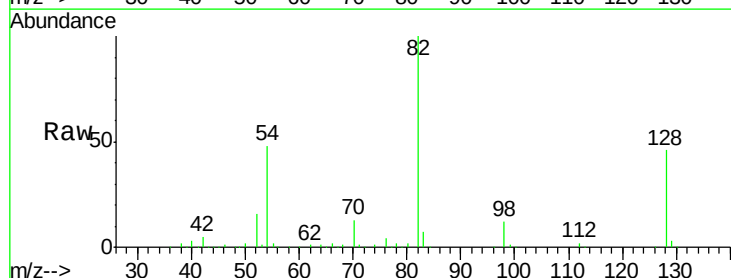
Tgt Ion: 82 Resp: 467339

Ion Ratio Lower Upper

82 100

128 45.8 35.7 53.5

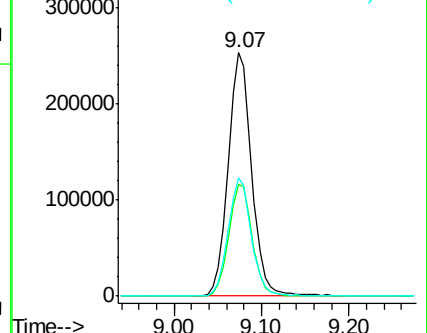
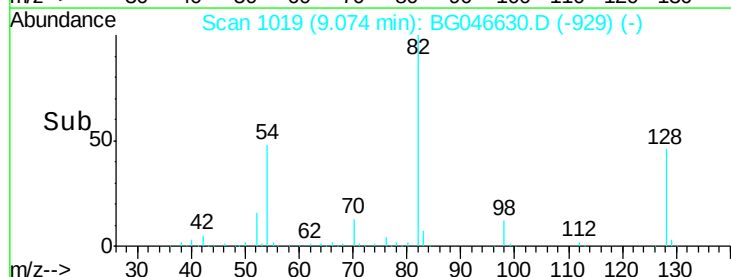
54 48.5 39.4 59.0

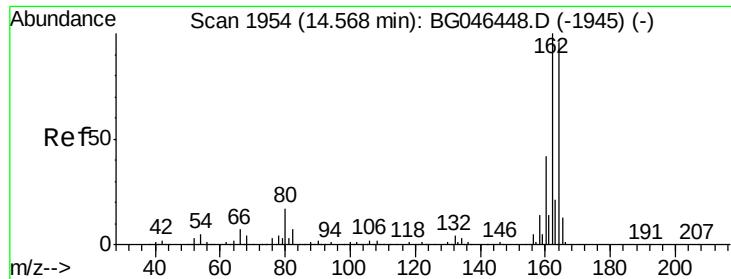


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 1951

Delta R.T. -0.00 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

Instrument :

BNA_G

ClientSampleId :

TR-04-091420

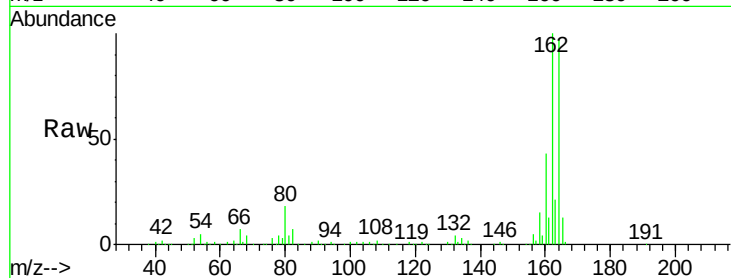
Tot Ion:164 Resp: 216115

Ion Ratio Lower Upper

164 100

162 103.3 83.3 124.9

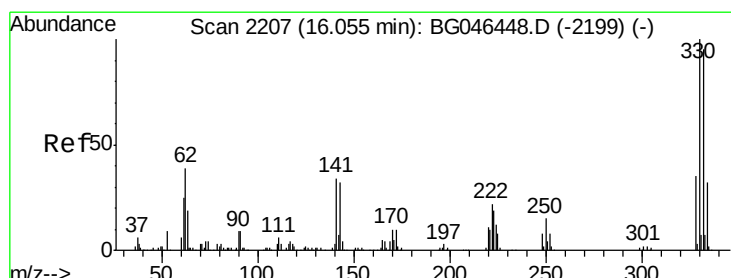
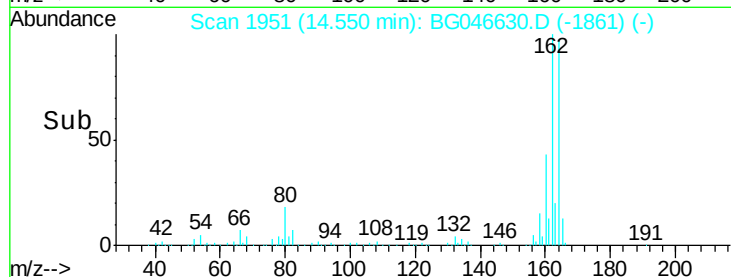
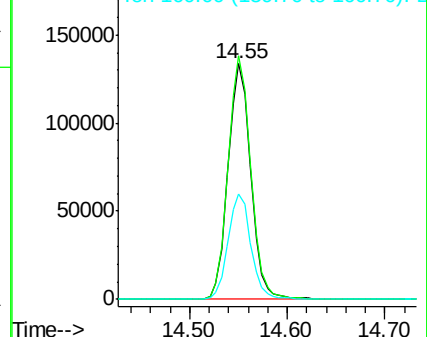
160 44.7 35.0 52.6



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: 106.397 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

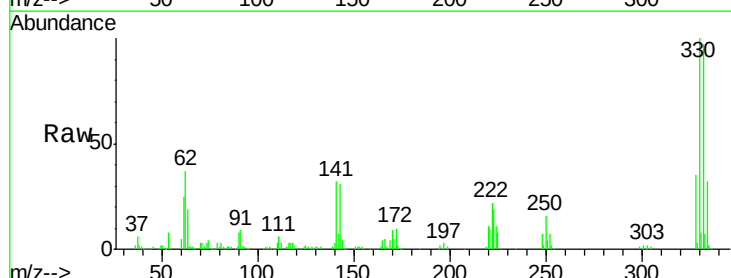
Tgt Ion:330 Resp: 311552

Ion Ratio Lower Upper

330 100

332 94.8 76.1 114.1

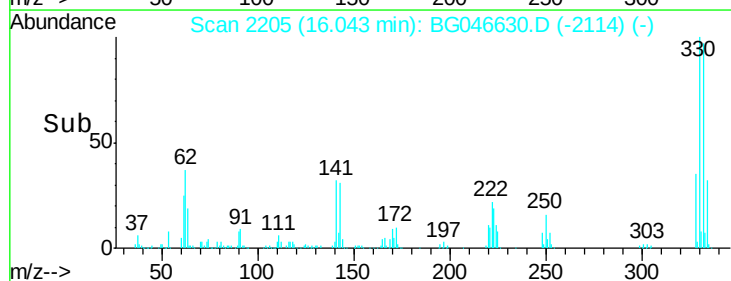
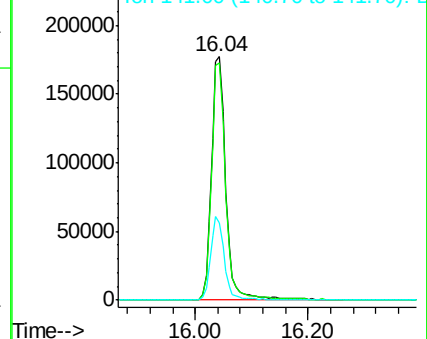
141 32.1 26.1 39.1

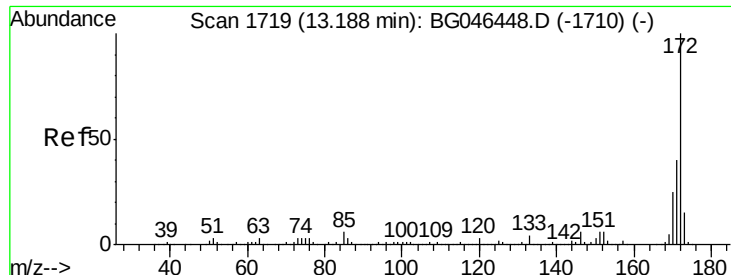


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



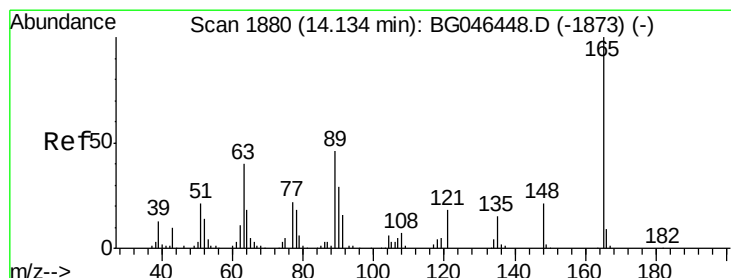
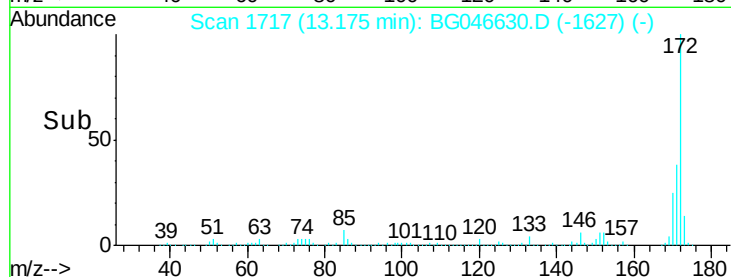
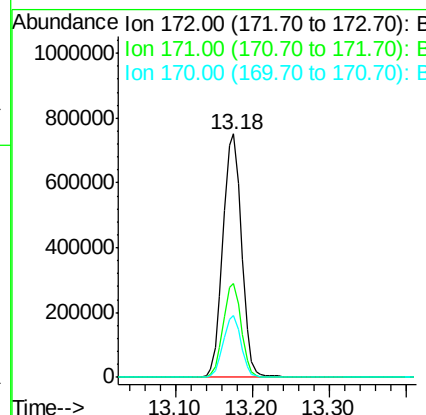
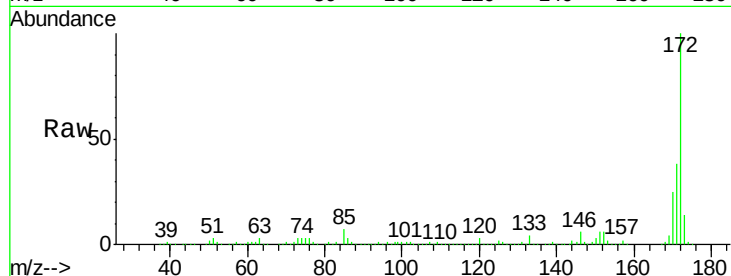


#45
 2-Fluorobiphenyl
 Concen: 89.205 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BG046630.D
 Acq: 15 Sep 2020 18:47

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-091420

Tot Ion:172 Resp: 1262871

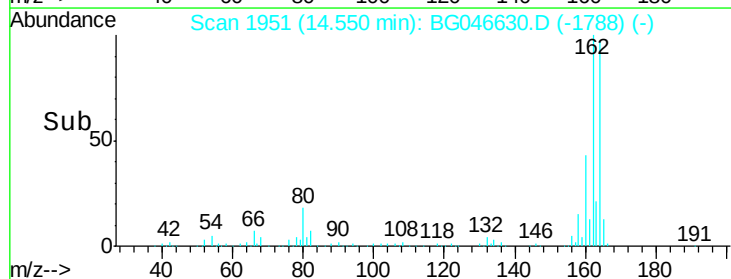
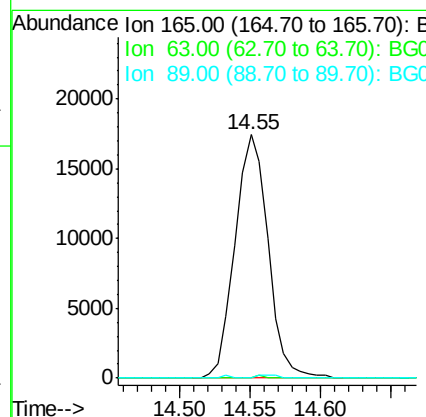
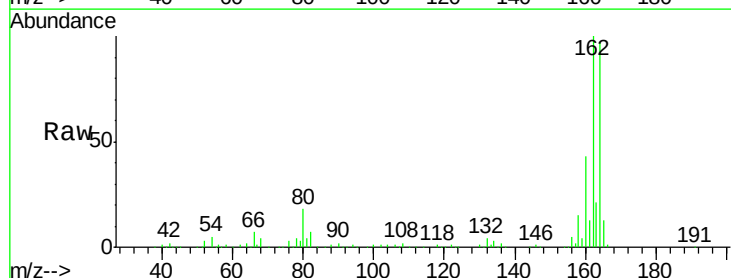
Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.8	47.6
170	25.3	20.3	30.5

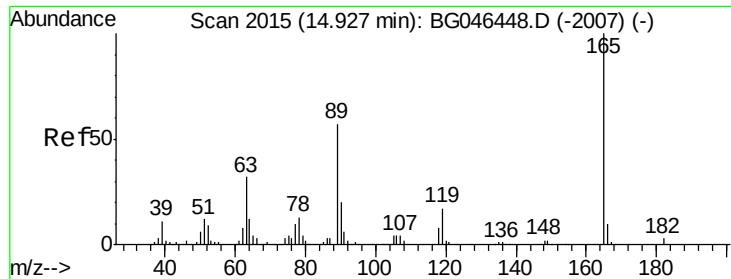


#51
 2,6-Dinitrotoluene
 Concen: 7.743 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG046630.D
 Acq: 15 Sep 2020 18:47

Tgt Ion:165 Resp: 28539

Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.2	51.4#
89	0.0	37.0	55.4#

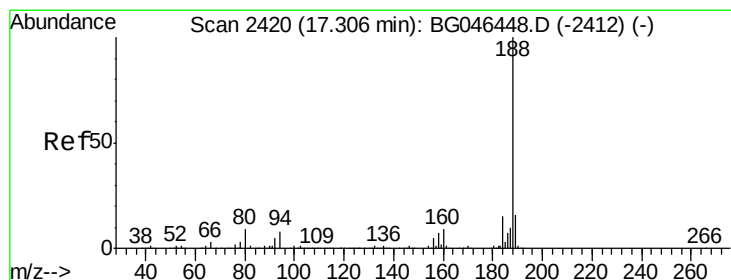
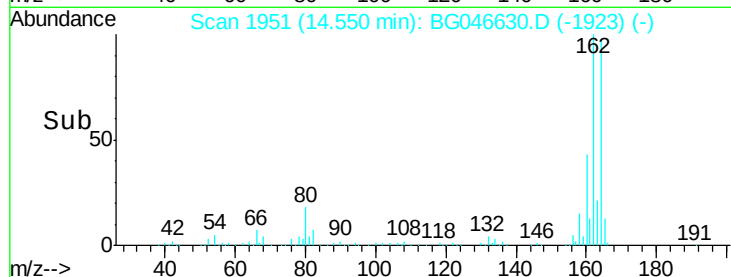
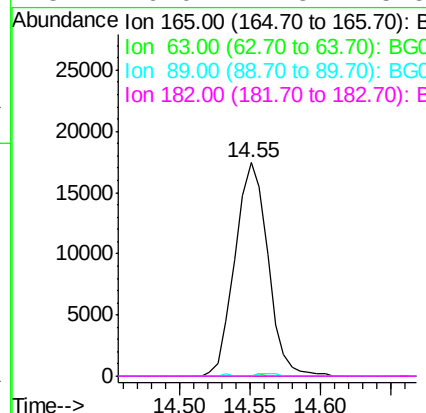
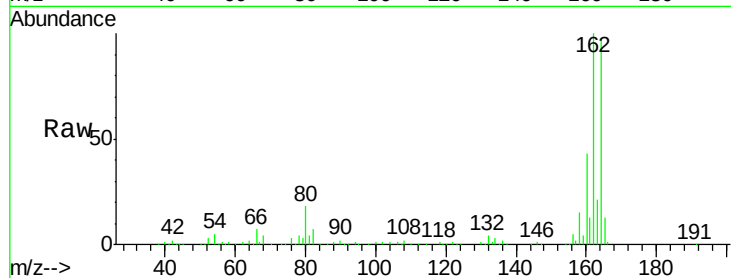




#57
2,4-Dinitrotoluene
Concen: 5.431 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.37 min
Lab File: BG046630.D
Acq: 15 Sep 2020 18:47

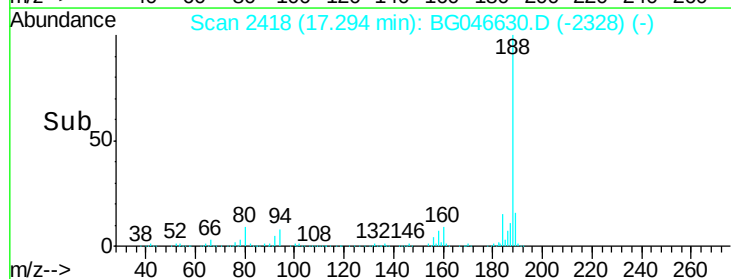
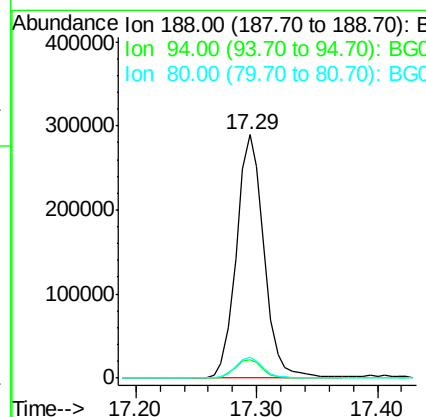
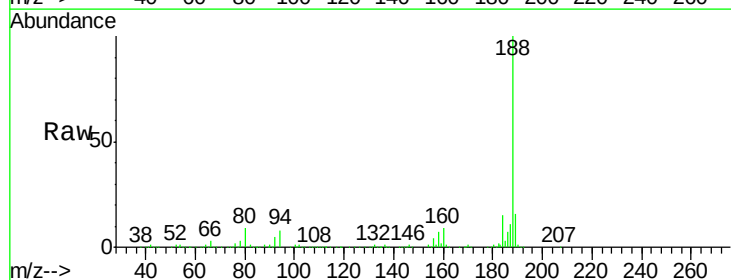
Instrument :
BNA_G
ClientSampleId :
TR-04-091420

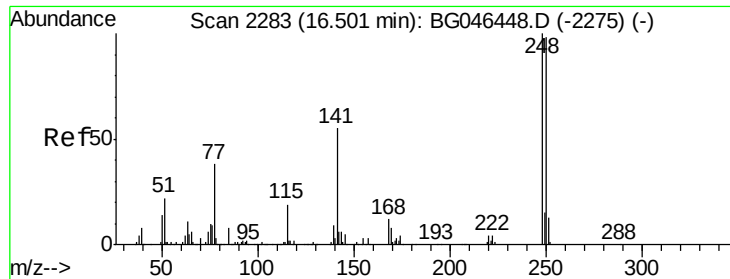
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	45.9	68.9#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BG046630.D
Acq: 15 Sep 2020 18:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.3	9.5
80	8.6	6.9	10.3

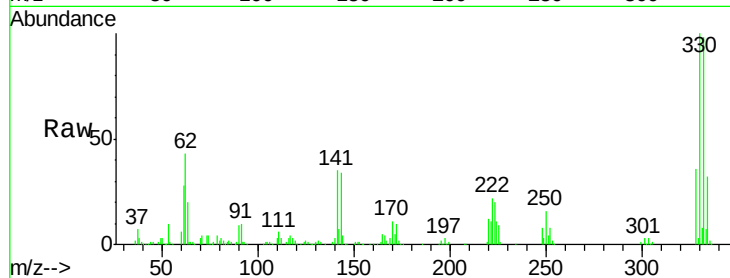




#67
 4-Bromophenyl-phenylether
 Concen: 4.372 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG046630.D
 Acq: 15 Sep 2020 18:47

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-091420

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.9	78.6	118.0#
141	431.7	43.9	65.9#

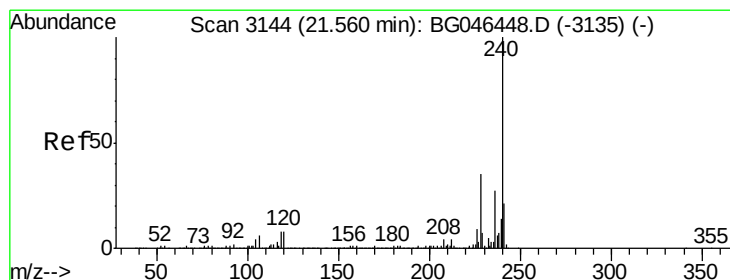
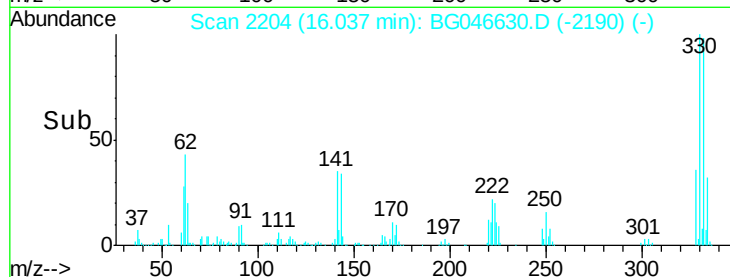
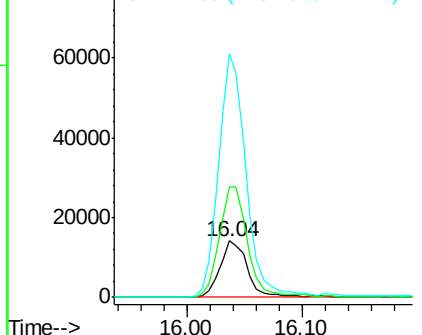


Abundance

Ion 248.00 (247.70 to 248.70): E

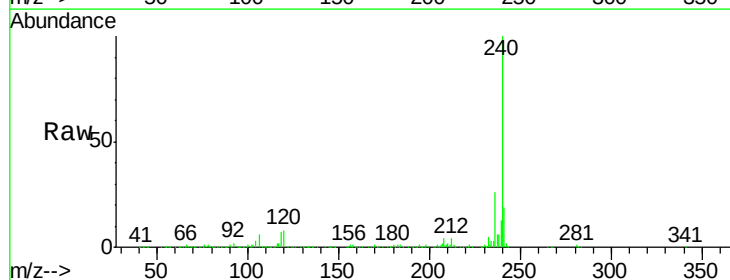
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG046630.D
 Acq: 15 Sep 2020 18:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.6	10.0
236	26.3	21.4	32.2

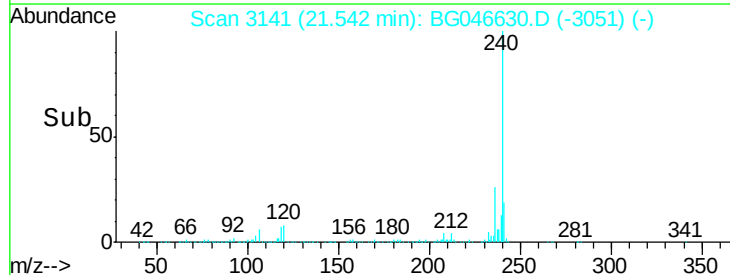
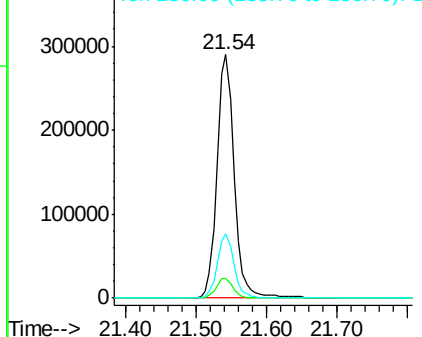


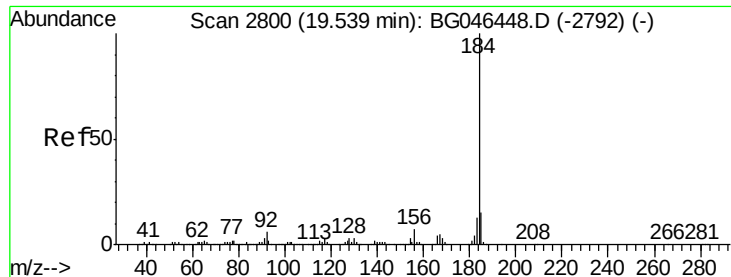
Abundance

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: 2.368 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

Instrument :

BNA_G

ClientSampleId :

TR-04-091420

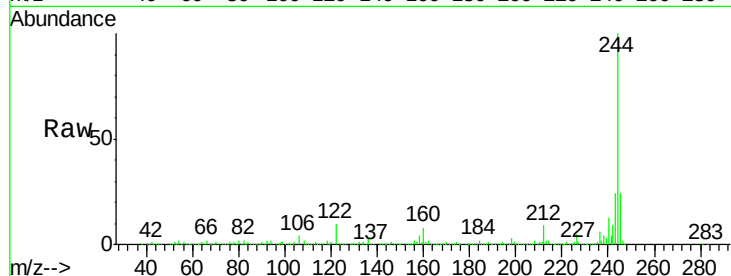
Tot Ion:184 Resp: 27106

Ion Ratio Lower Upper

184 100

185 16.5 11.8 17.8

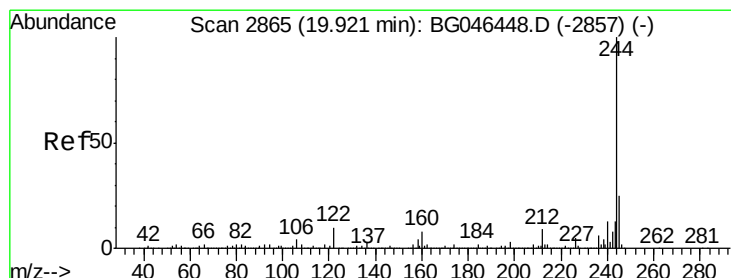
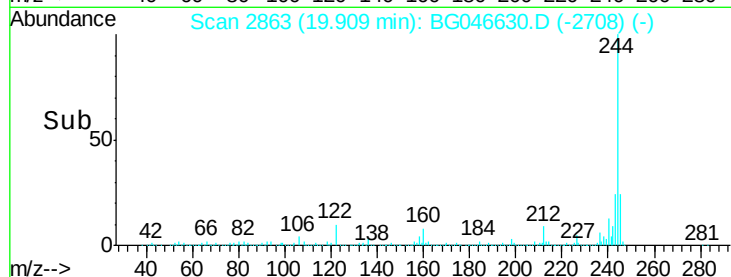
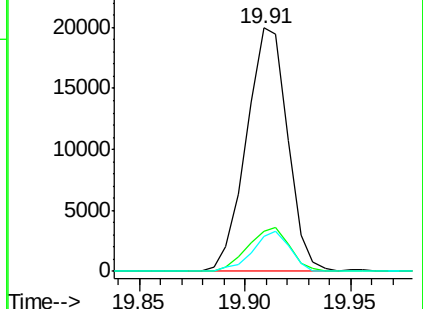
183 14.5 10.7 16.1



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: 76.549 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046630.D

Acq: 15 Sep 2020 18:47

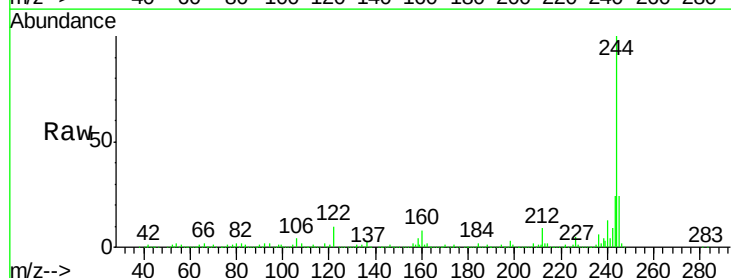
Tgt Ion:244 Resp: 1771725

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

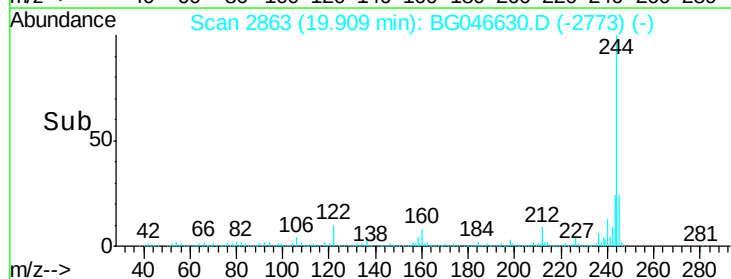
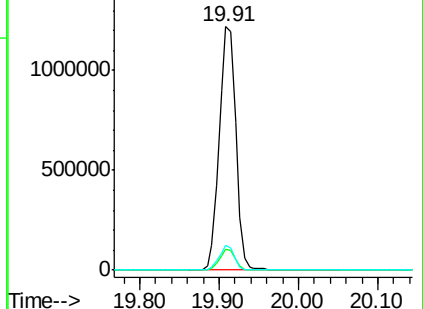
122 10.3 8.2 12.4

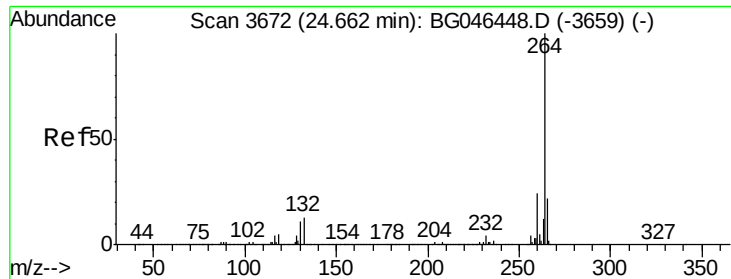


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.63 min Scan# 3667
Delta R.T. -0.00 min
Lab File: BG046630.D
Acq: 15 Sep 2020 18:47

Instrument :
BNA_G
ClientSampleId :
TR-04-091420

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.0	17.9	26.9

