

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
 Data File : BG046493.D
 Acq On : 1 Sep 2020 20:49
 Operator : CG/JU
 Sample : L3849-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 232

Quant Time: Sep 02 00:28:52 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

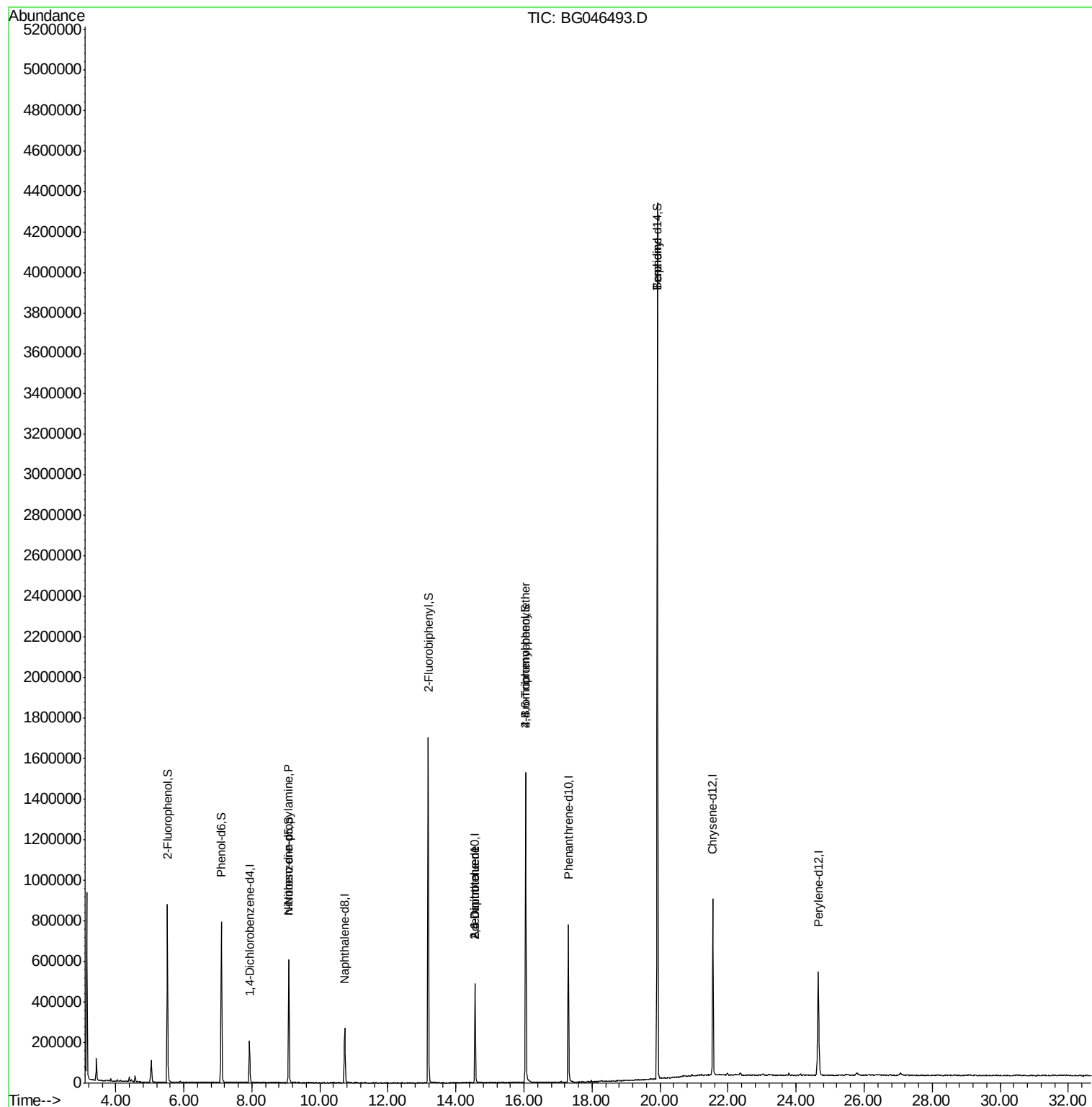
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	65932	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	260065	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	184385	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	499451	20.00	ng	0.00
76) Chrysene-d12	21.55	240	547607	20.00	ng	0.00
86) Perylene-d12	24.65	264	563182	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	408964	109.86	ng	0.00
7) Phenol-d6	7.10	99	496401	94.07	ng	0.00
23) Nitrobenzene-d5	9.08	82	389195	85.53	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	325404	130.25	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	988276	81.82	ng	0.00
79) Terphenyl-d14	19.92	244	1913051	74.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	49747	15.760	ng	# 74
51) 2,6-Dinitrotoluene	14.56	165	24279	7.721	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	24279	5.415	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	24742	4.246	ng	# 1
77) Benzidine	19.92	184	30532	2.399	ng	# 89

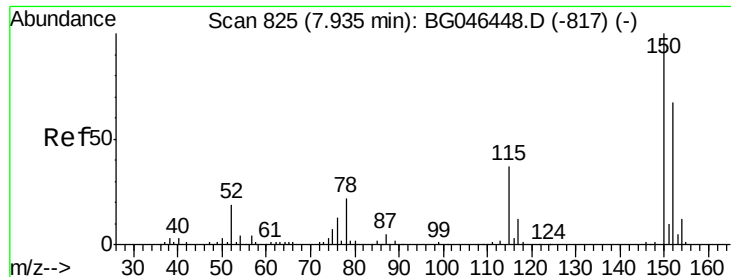
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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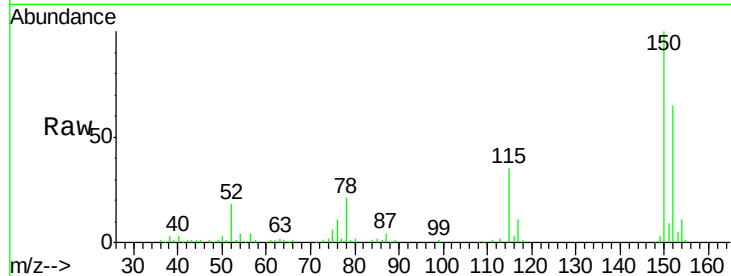


#1

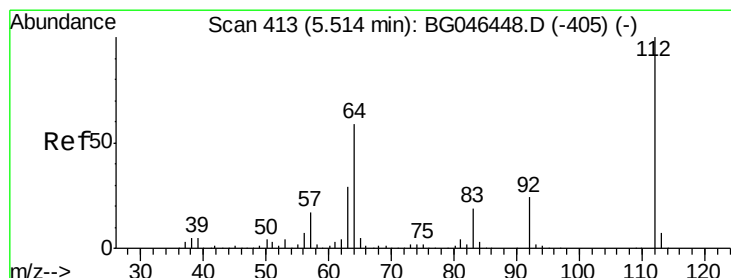
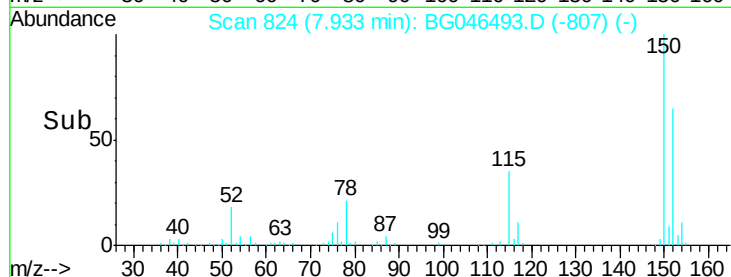
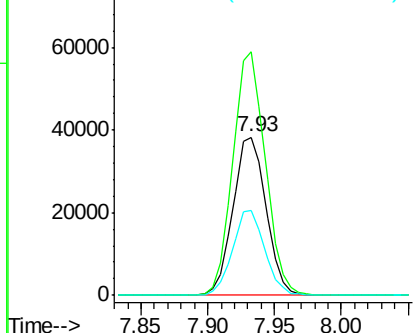
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BG046493.D
 Acq: 1 Sep 2020 20:49

Instrument :
 BNA_G
 ClientSampleId :
 232

Tot Ion:152 Resp: 65932
 Ion Ratio Lower Upper
 152 100
 150 153.7 119.5 179.3
 115 53.5 44.3 66.5



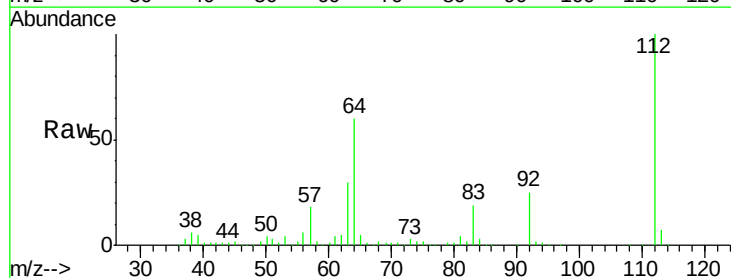
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



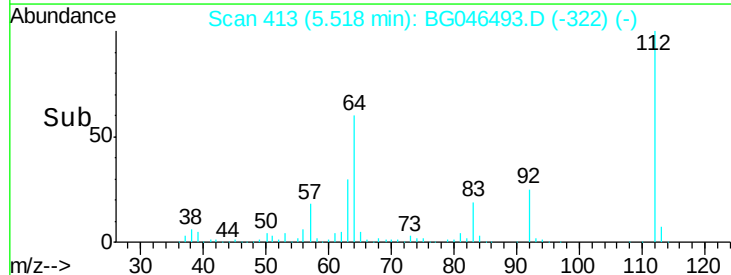
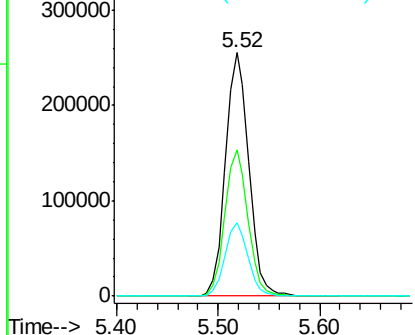
#5

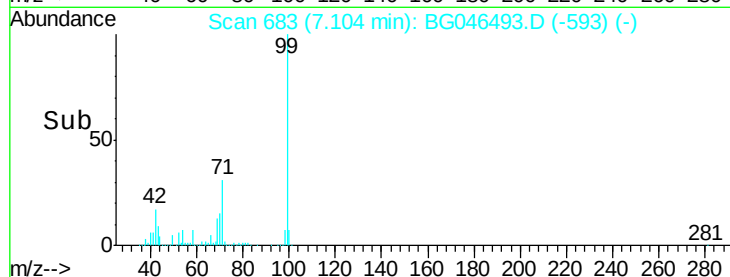
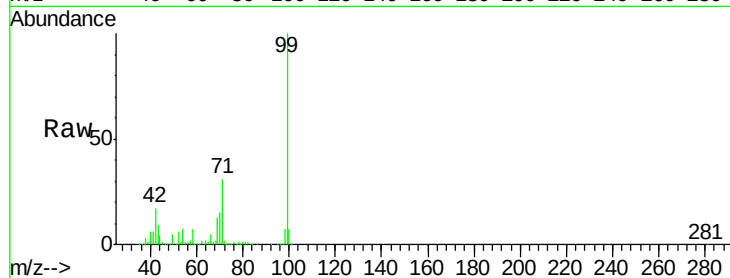
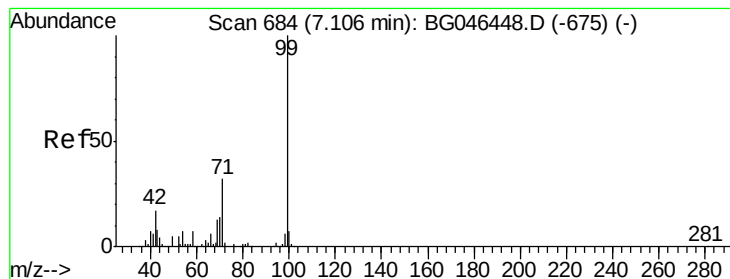
2-Fluorophenol
 Concen: 109.863 ng
 RT: 5.52 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: BG046493.D
 Acq: 1 Sep 2020 20:49

Tgt Ion:112 Resp: 408964
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.0 70.6
 63 30.3 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: 94.069 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG046493.D

Acq: 1 Sep 2020 20:49

Instrument :

BNA_G

ClientSampleId :

232

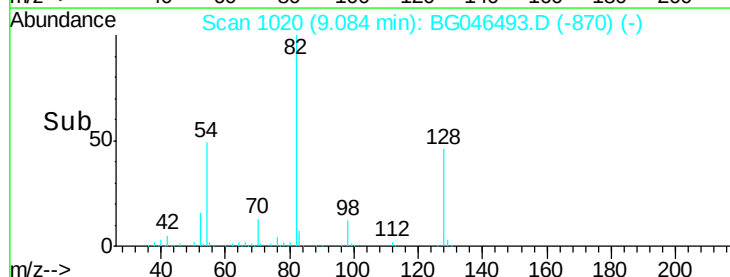
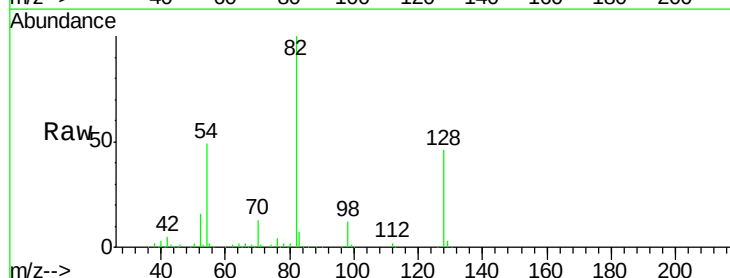
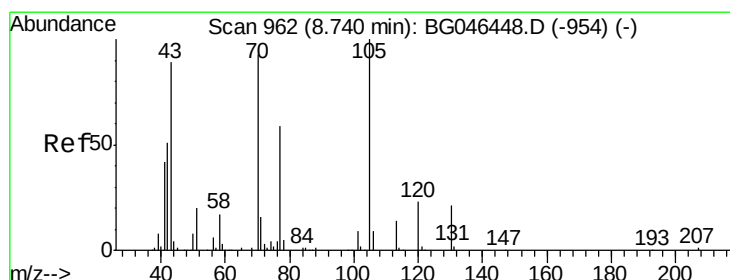
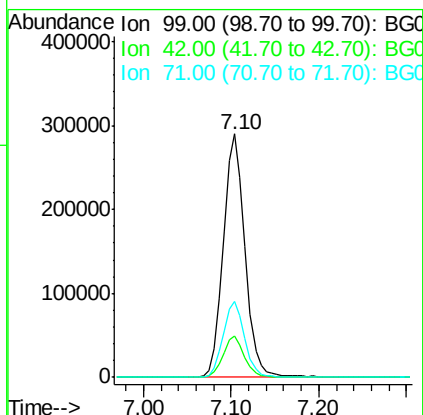
Tot Ion: 99 Resp: 496401

Ion Ratio Lower Upper

99 100

42 16.9 13.3 19.9

71 31.2 25.3 37.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.760 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046493.D

Acq: 1 Sep 2020 20:49

Tgt Ion: 70 Resp: 49747

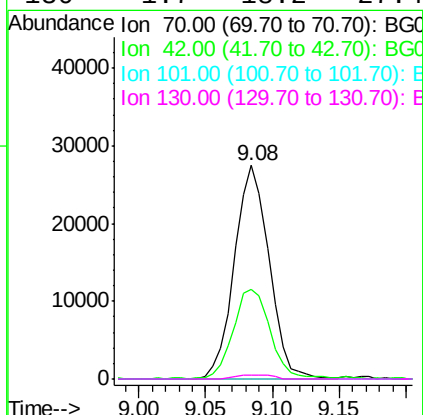
Ion Ratio Lower Upper

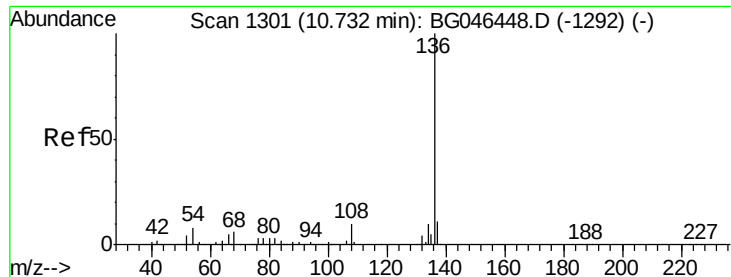
70 100

42 41.9 44.2 66.2#

101 0.0 7.8 11.8#

130 1.7 18.2 27.4#

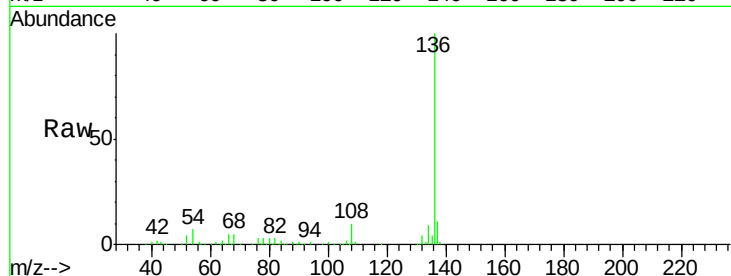




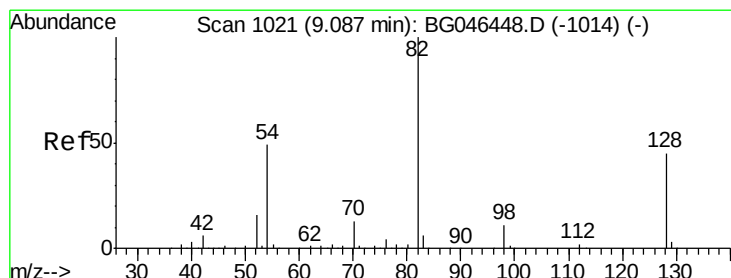
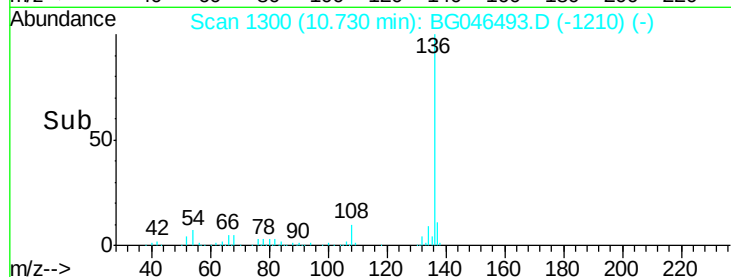
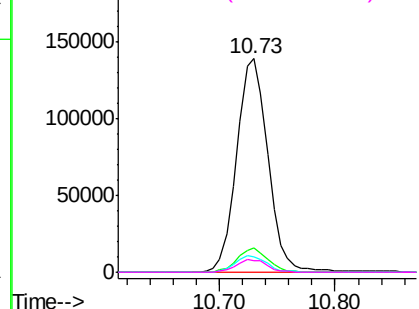
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046493.D
Acq: 1 Sep 2020 20:49

Instrument :
BNA_G
ClientSampleId :
232

Tot Ion:136	Resp:	260065
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.8 13.2
54	7.5	6.1 9.1
68	5.3	4.8 7.2

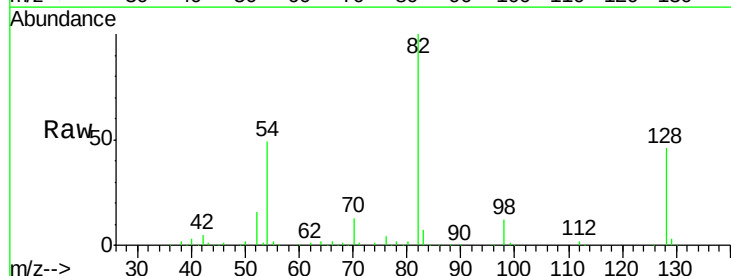


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

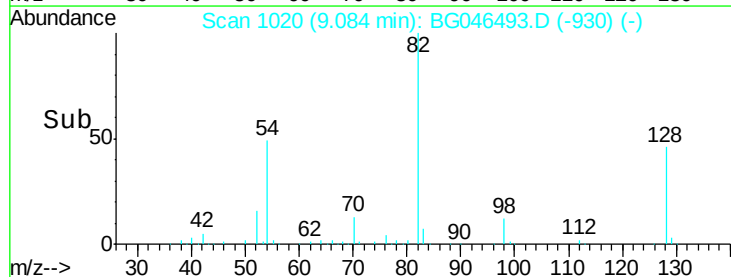
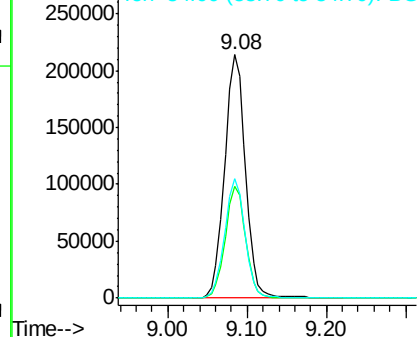


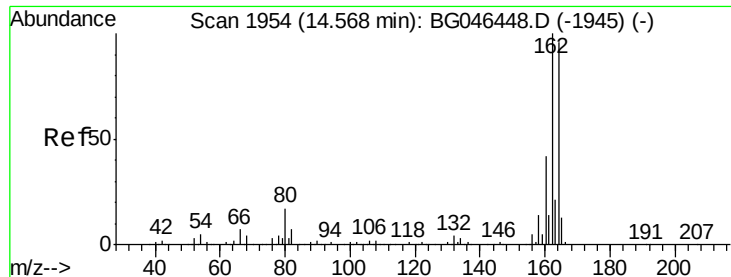
#23
Nitrobenzene-d5
Concen: 85.534 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BG046493.D
Acq: 1 Sep 2020 20:49

Tgt Ion: 82	Resp:	389195
Ion	Ratio	Lower Upper
82	100	
128	45.8	35.7 53.5
54	49.2	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: 14.56 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BG046493.D

Acq: 1 Sep 2020 20:49

Instrument :

BNA_G

ClientSampleId :

232

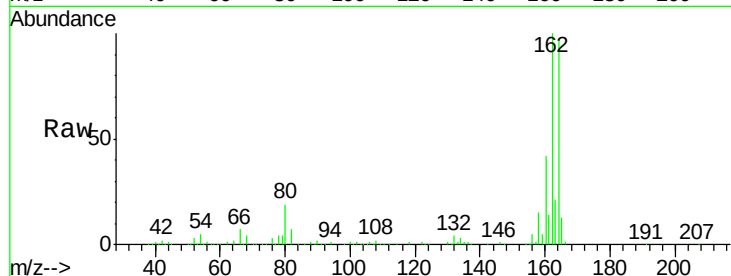
Tot Ion:164 Resp: 184385

Ion Ratio Lower Upper

164 100

162 103.6 83.3 124.9

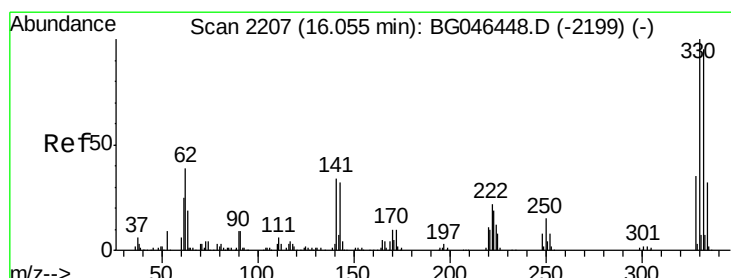
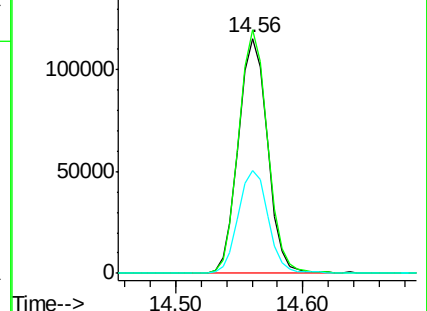
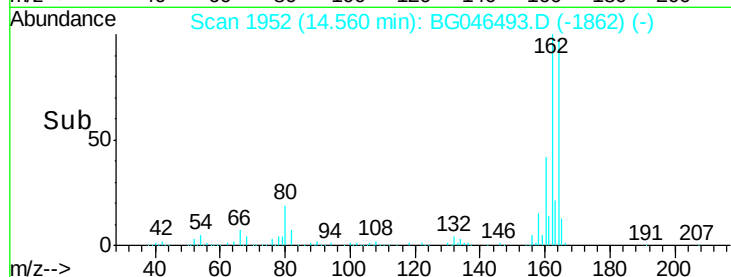
160 43.6 35.0 52.6



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: 130.251 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046493.D

Acq: 1 Sep 2020 20:49

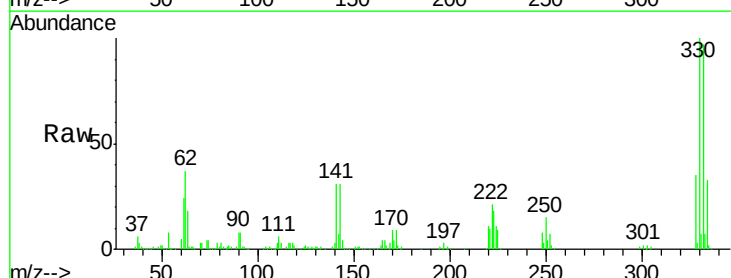
Tgt Ion:330 Resp: 325404

Ion Ratio Lower Upper

330 100

332 96.4 76.1 114.1

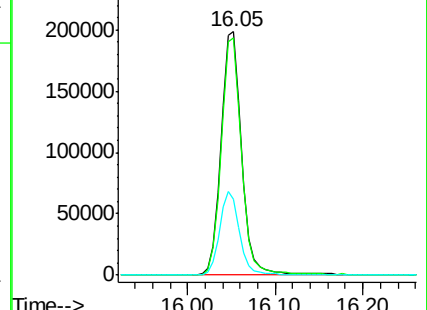
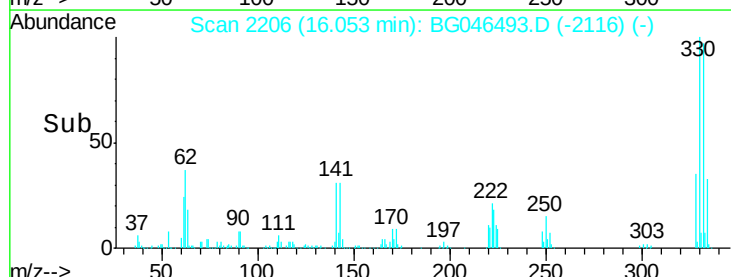
141 33.3 26.1 39.1

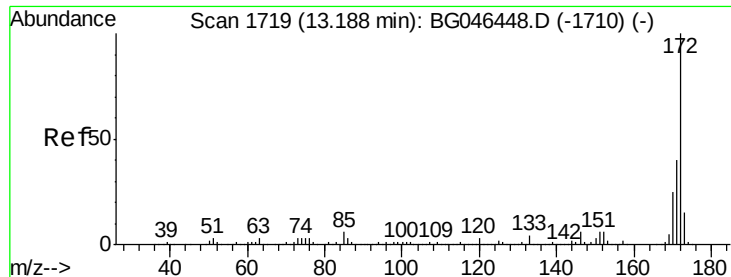


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

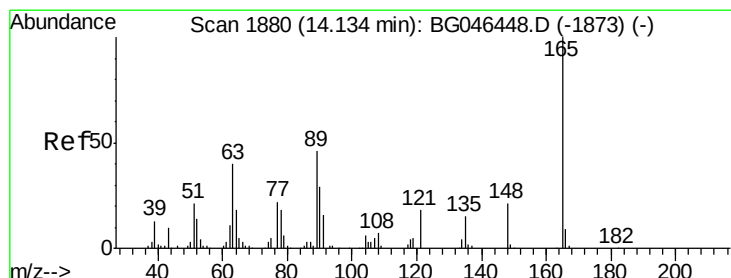
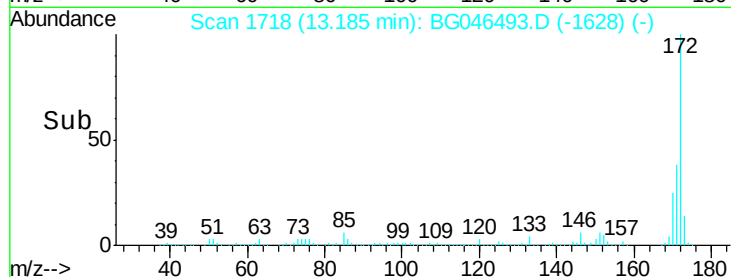
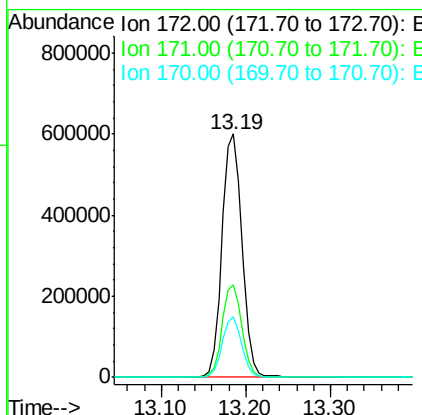
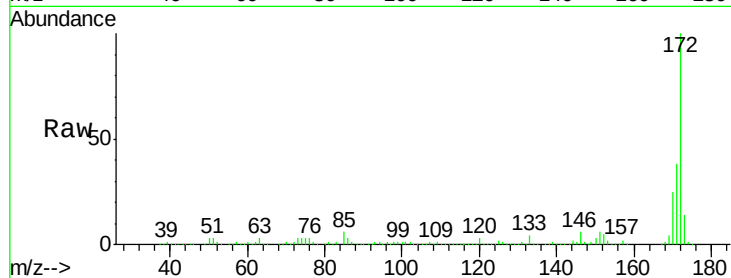




#45
 2-Fluorobiphenyl
 Concen: 81.821 ng
 RT: 13.19 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BG046493.D
 Acq: 1 Sep 2020 20:49

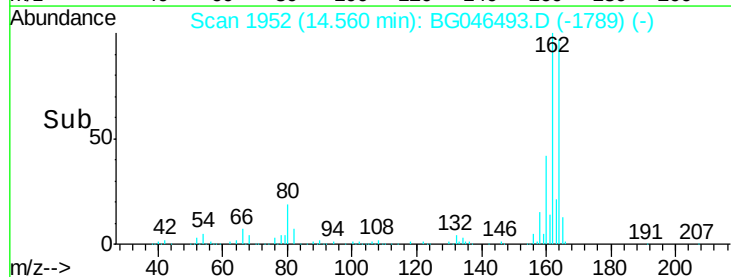
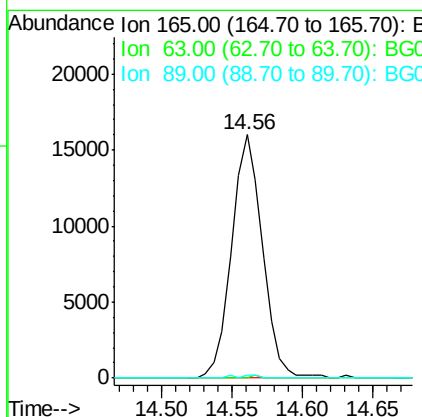
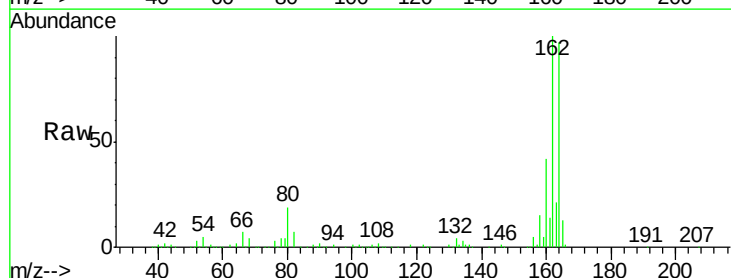
Instrument :
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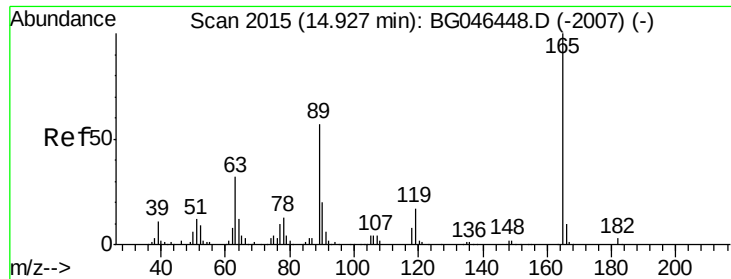
Tot Ion:172 Resp: 988276
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.8 47.6
 170 24.8 20.3 30.5



#51
 2,6-Dinitrotoluene
 Concen: 7.721 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.43 min
 Lab File: BG046493.D
 Acq: 1 Sep 2020 20:49

Tgt Ion:165 Resp: 24279
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.2 51.4#
 89 1.3 37.0 55.4#

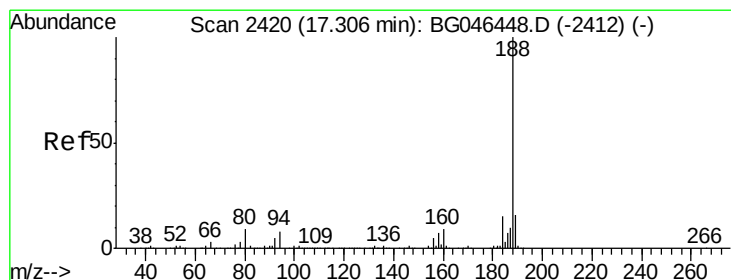
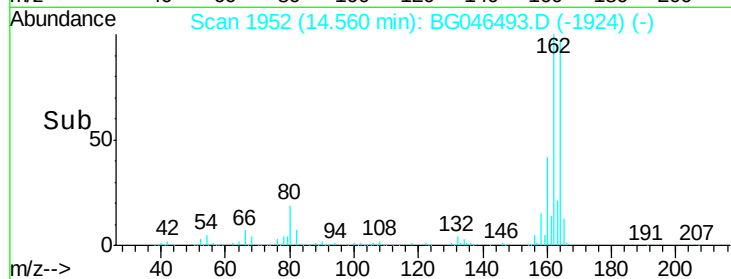
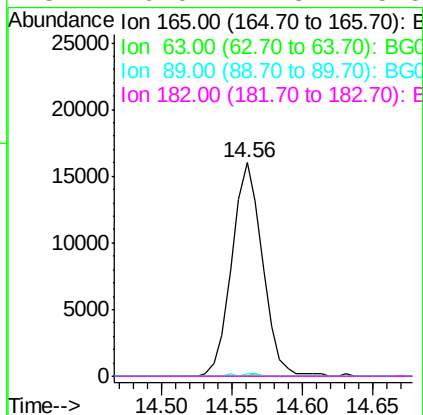
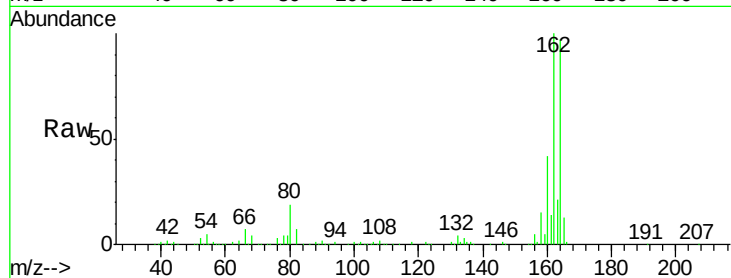




#57
 2,4-Dinitrotoluene
 Concen: 5.415 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.36 min
 Lab File: BG046493.D
 Acq: 1 Sep 2020 20:49

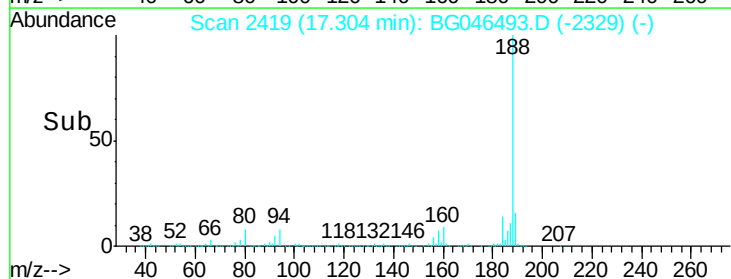
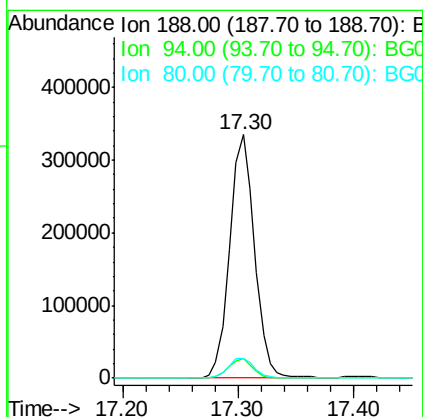
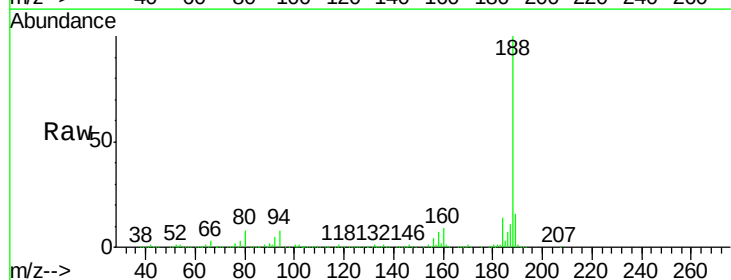
Instrument :
 BNA_G
 ClientSampleId :
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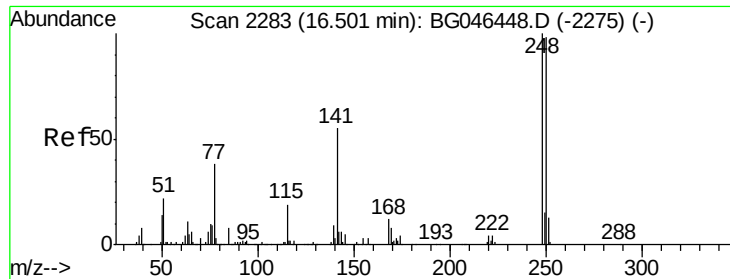
Tot Ion:165 Resp: 24279
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 1.3 45.9 68.9#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BG046493.D
 Acq: 1 Sep 2020 20:49

Tgt Ion:188 Resp: 499451
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.3 9.5
 80 8.2 6.9 10.3

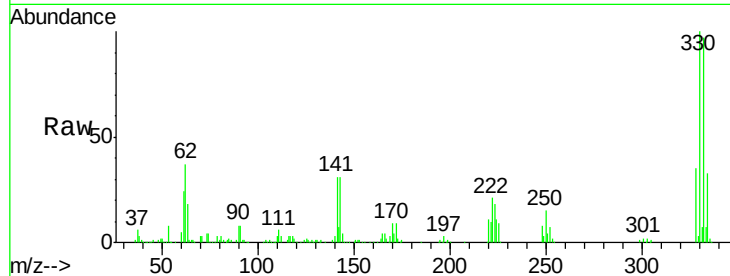




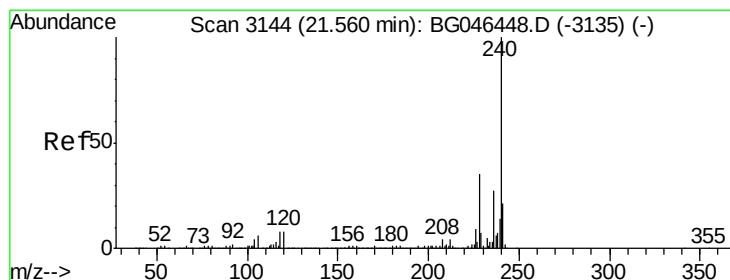
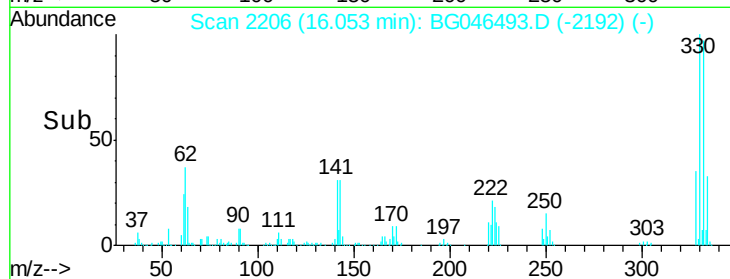
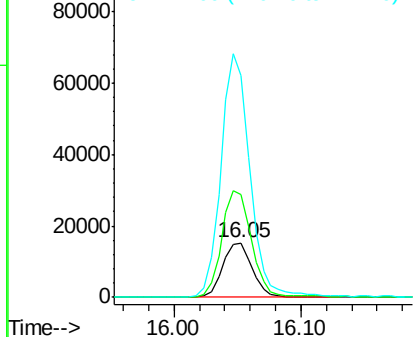
#67
4-Bromophenyl-phenylether
Concen: 4.246 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046493.D
Acq: 1 Sep 2020 20:49

Instrument :
BNA_G
ClientSampleId :
232

Tot Ion:248 Resp: 24742
Ion Ratio Lower Upper
248 100
250 189.5 78.6 118.0#
141 408.8 43.9 65.9#

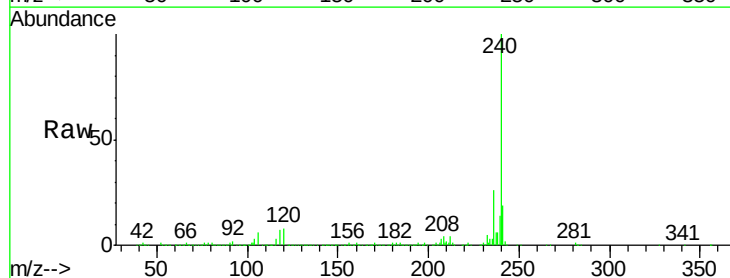


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

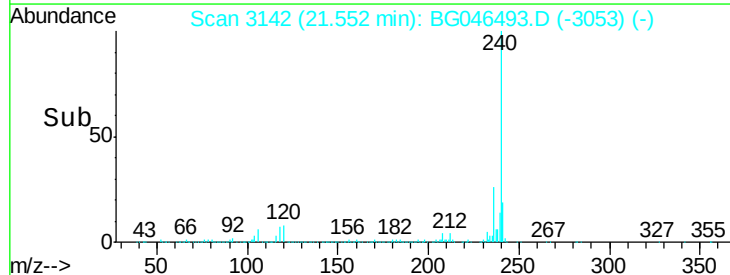
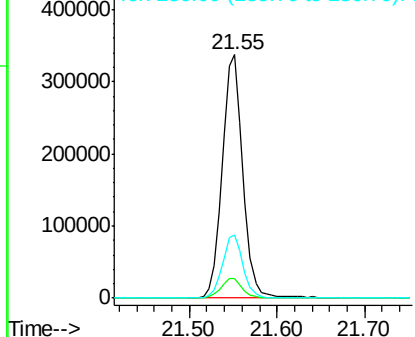


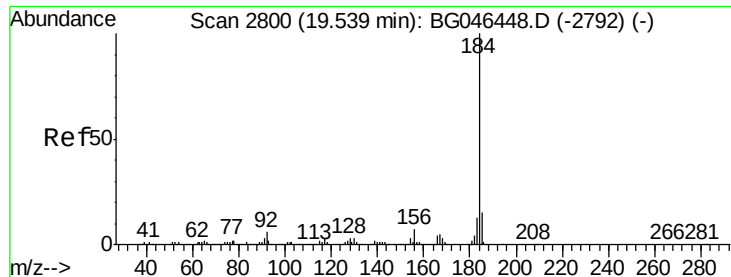
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046493.D
Acq: 1 Sep 2020 20:49

Tgt Ion:240 Resp: 547607
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# 2864

Delta R.T. 0.38 min

Lab File: BG046493.D

Acq: 1 Sep 2020 20:49

Instrument :

BNA_G

ClientSampleId :

232

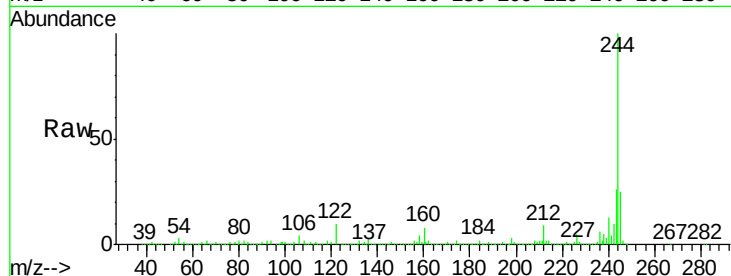
Tot Ion:184 Resp: 30532

Ion Ratio Lower Upper

184 100

185 20.7 11.8 17.8#

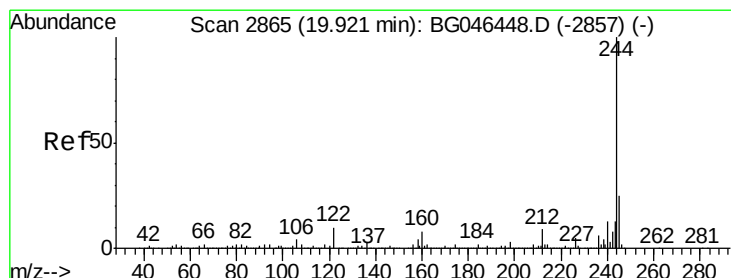
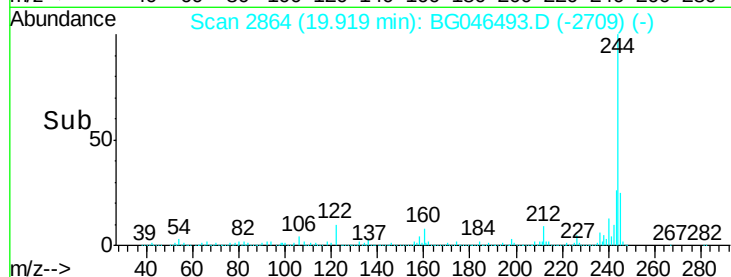
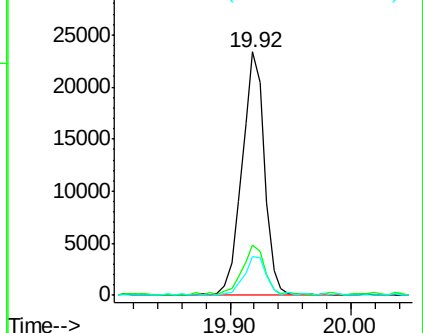
183 16.0 10.7 16.1



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: 74.347 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BG046493.D

Acq: 1 Sep 2020 20:49

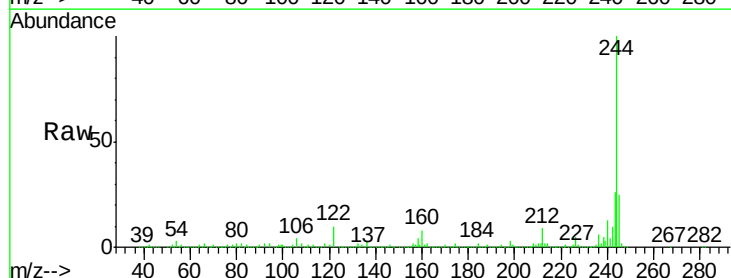
Tgt Ion:244 Resp: 1913051

Ion Ratio Lower Upper

244 100

212 9.1 6.9 10.3

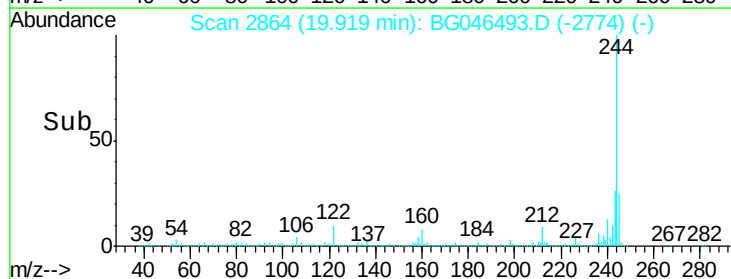
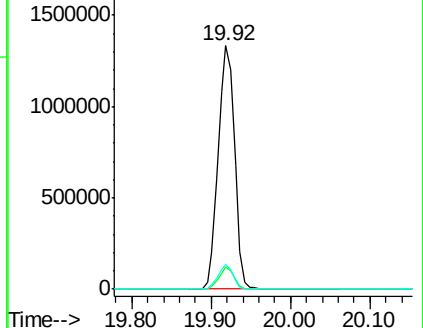
122 10.1 8.2 12.4

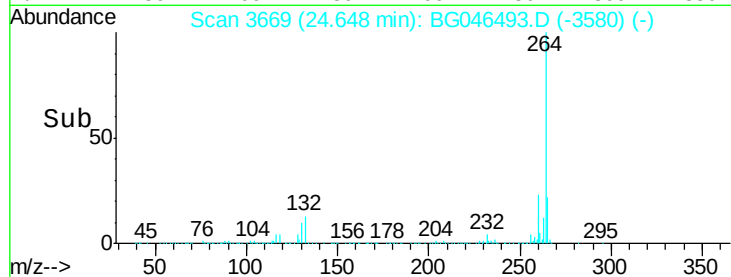
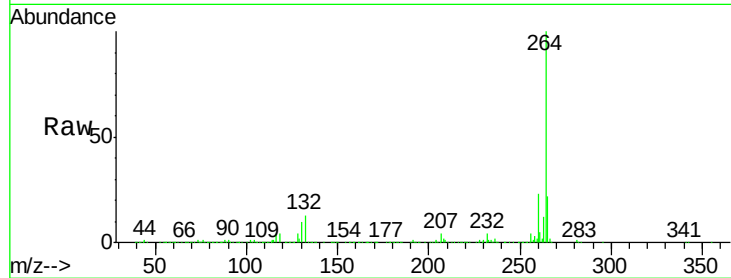
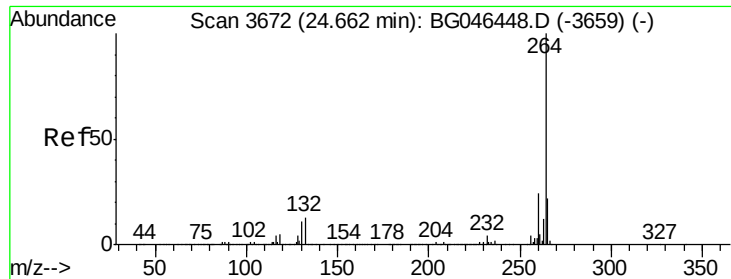


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3669
 Delta R.T. -0.01 min
 Lab File: BG046493.D
 Acq: 1 Sep 2020 20:49

Instrument :
 BNA_G
 ClientSampleId :
 232

Tot Ion: 264 Resp: 563182
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.8 17.9 26.9

