

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102121\
 Data File : BG050671.D
 Acq On : 21 Oct 2021 17:41
 Operator : CG/JU
 Sample : M4300-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TH-CD

Quant Time: Oct 21 18:20:41 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

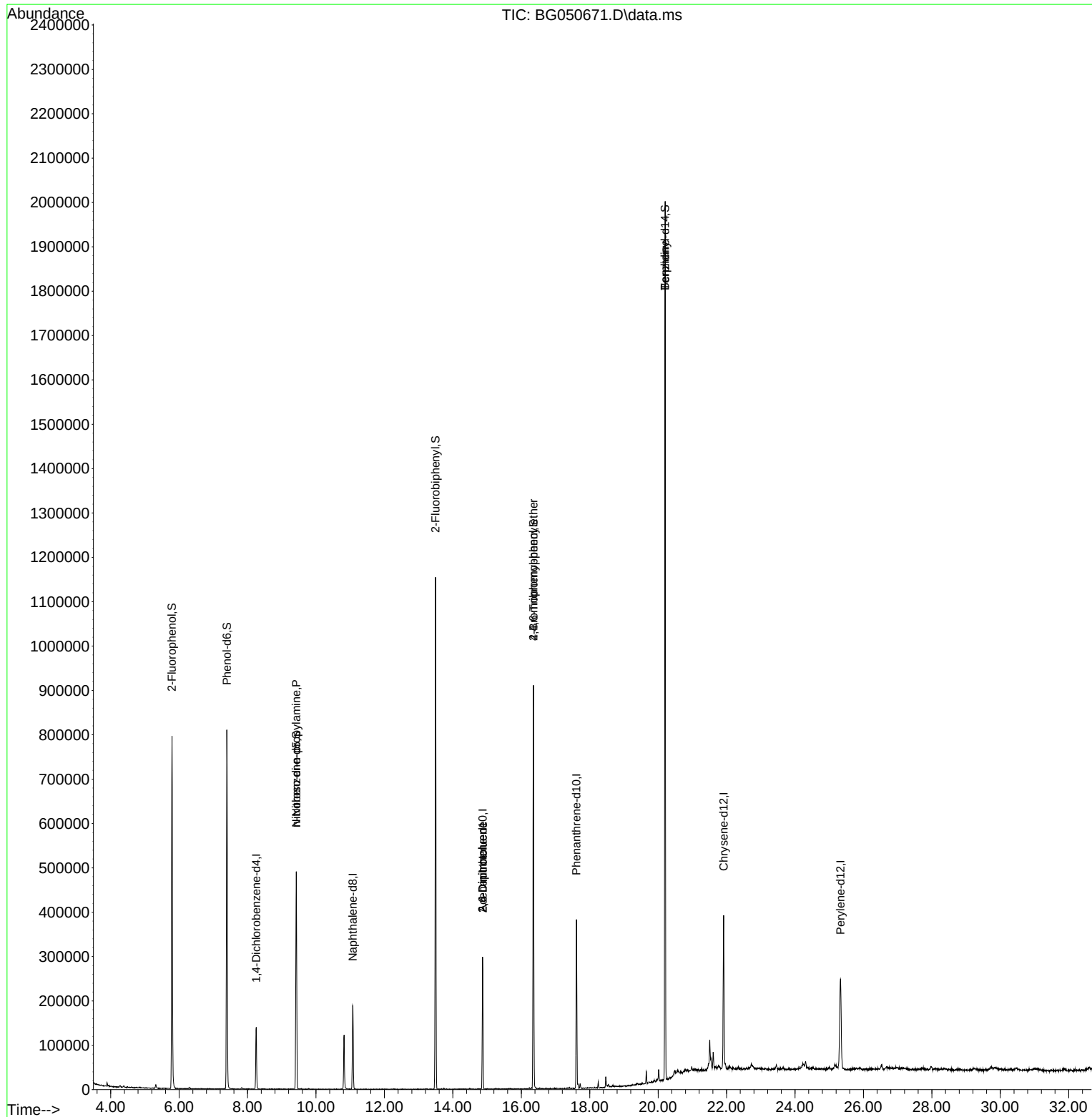
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	38283	20.000	ng	# 0.00
21) Naphthalene-d8	11.073	136	156978	20.000	ng	#-0.01
39) Acenaphthene-d10	14.869	164	101689	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	232170	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	205748	20.000	ng	#-0.01
86) Perylene-d12	25.327	264	201266	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	338089	132.075	ng	0.00
7) Phenol-d6	7.395	99	455328	122.857	ng	0.00
23) Nitrobenzene-d5	9.422	82	320175	84.432	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	133393	137.528	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	561050	83.037	ng	-0.01
79) Terphenyl-d14	20.204	244	859200	81.383	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.389	77	931	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.422	70	45288	16.765	ng	# 69
51) 2,6-Dinitrotoluene	14.869	165	13637	8.858	ng	# 11
57) 2,4-Dinitrotoluene	14.869	165	13637	6.284	ng	# 16
67) 4-Bromophenyl-phenylether	16.355	248	10909	4.663	ng	# 1
77) Benzidine	20.204	184	16562	2.484	ng	# 89

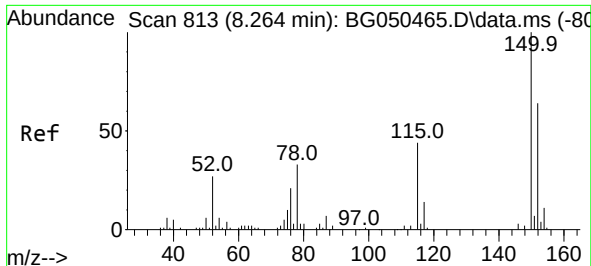
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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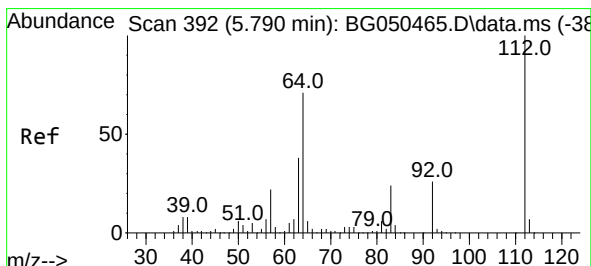
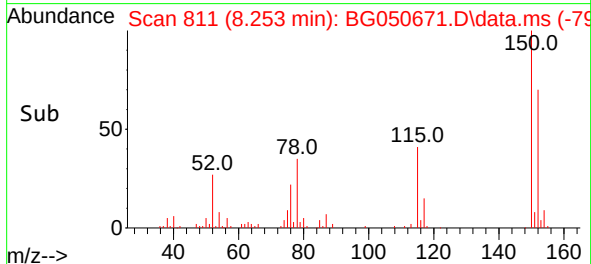
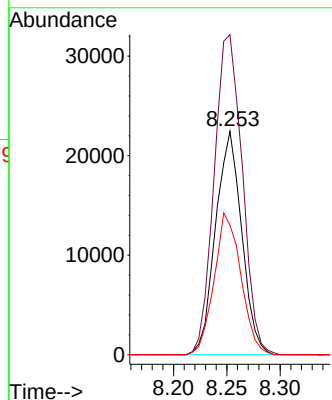
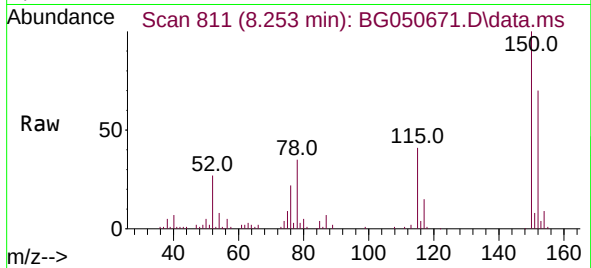




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 811
Delta R.T. -0.005 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

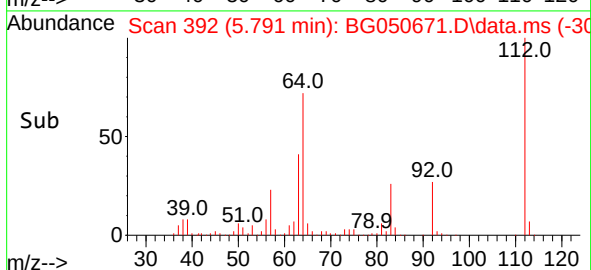
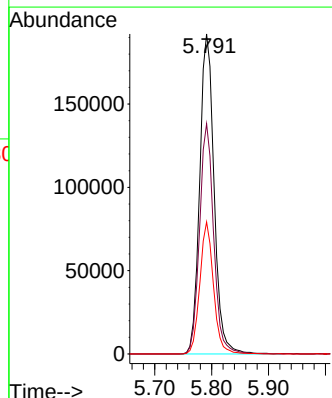
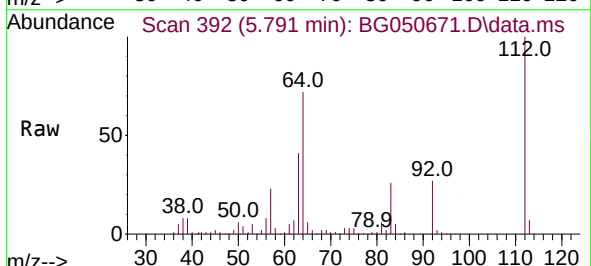
Instrument :
BNA_G
ClientSampleId :
TH-CD

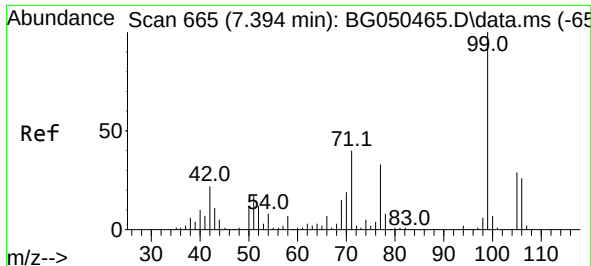
Tgt Ion:152 Resp: 38283
Ion Ratio Lower Upper
152 100
150 143.3 119.4 179.0
115 58.0 60.2 90.4#



#5
2-Fluorophenol
Concen: 132.075 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.000 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

Tgt Ion:112 Resp: 338089
Ion Ratio Lower Upper
112 100
64 72.0 46.7 70.1#
63 41.2 35.3 52.9

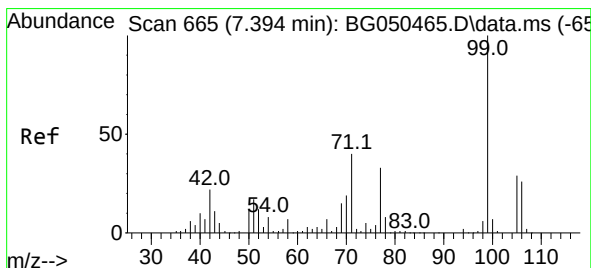
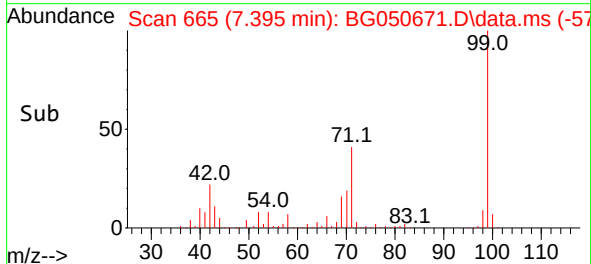
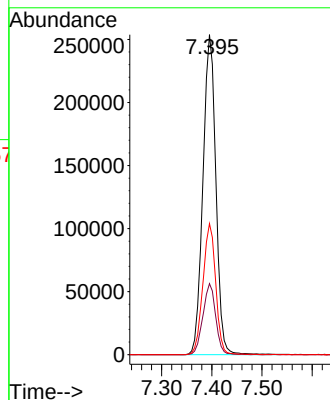
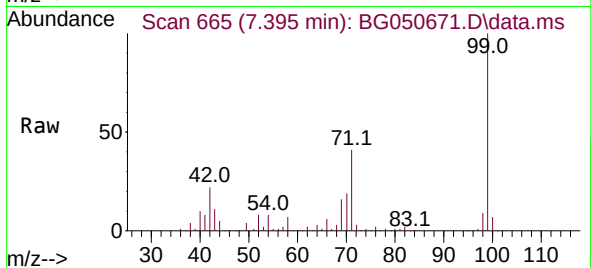




#7
Phenol-d6
Concen: 122.857 ng
RT: 7.395 min Scan# 665
Delta R.T. -0.005 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

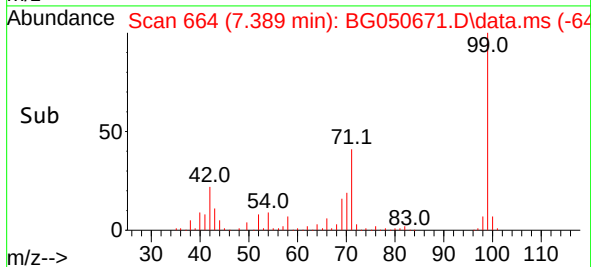
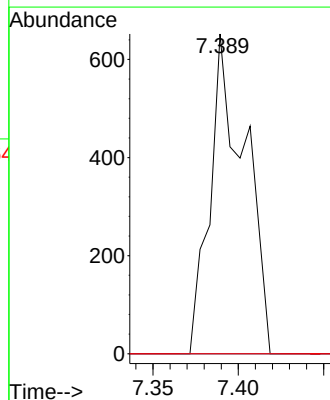
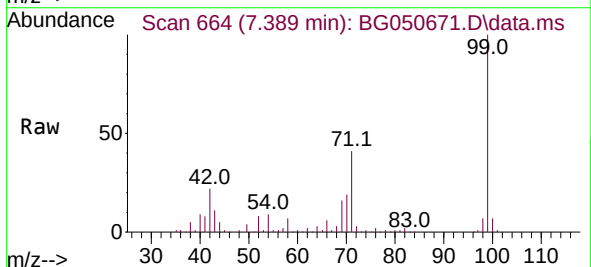
Instrument :
BNA_G
ClientSampleId :
TH-CD

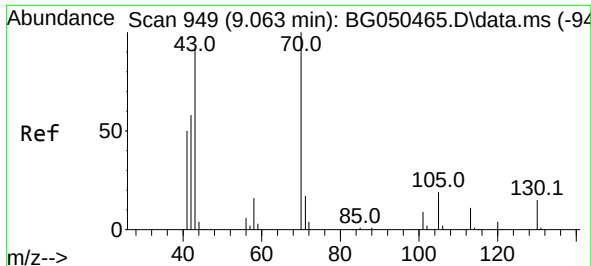
Tgt Ion: 99 Resp: 455328
Ion Ratio Lower Upper
99 100
42 22.2 20.5 30.7
71 41.0 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.389 min Scan# 664
Delta R.T. 0.001 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

Tgt Ion: 77 Resp: 931
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

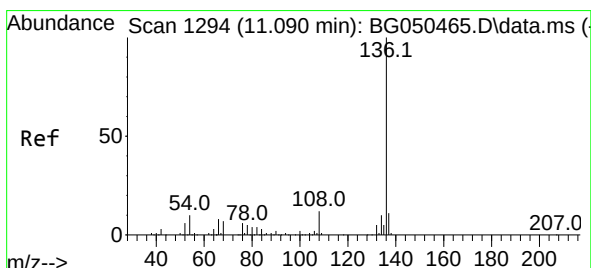
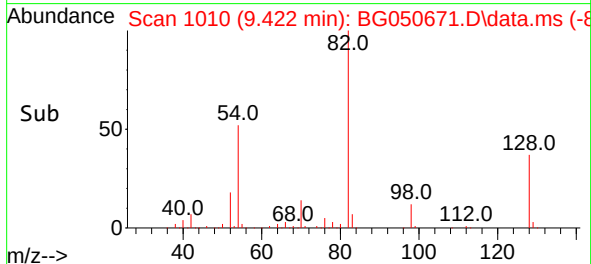
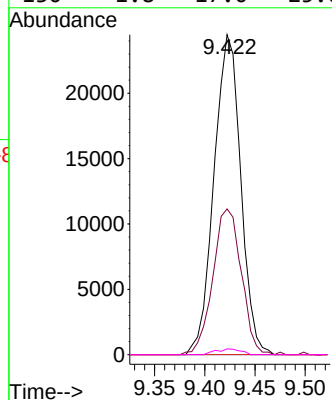
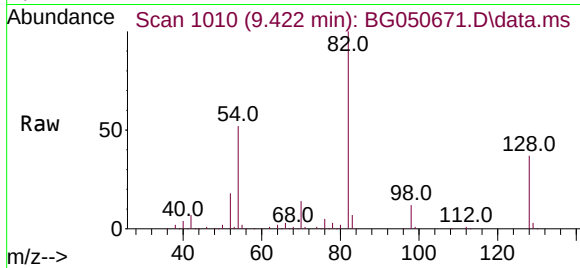




#19
n-Nitroso-di-n-propylamine
Concen: 16.765 ng
RT: 9.422 min Scan# 1010
Delta R.T. 0.365 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

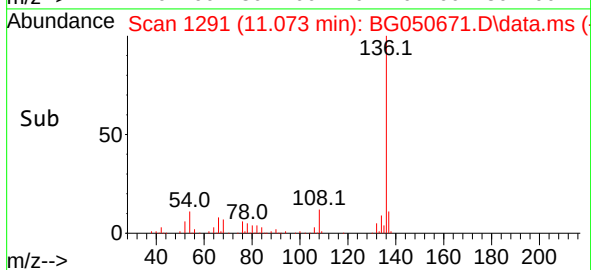
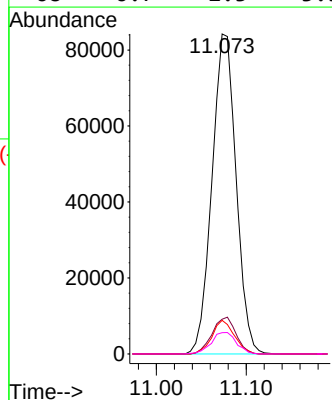
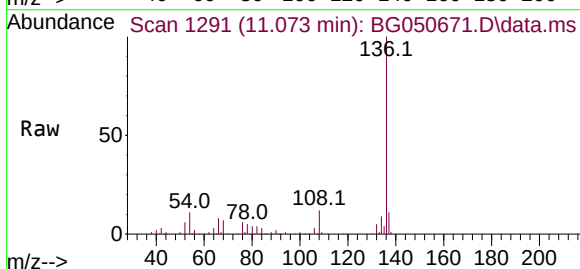
Instrument :
BNA_G
ClientSampleId :
TH-CD

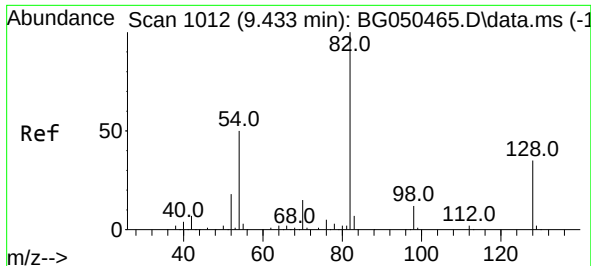
Tgt Ion: 70 Resp: 45288
Ion Ratio Lower Upper
70 100
42 45.6 54.5 81.7#
101 0.0 9.0 13.6#
130 1.8 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.073 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

Tgt Ion: 136 Resp: 156978
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.2
54 10.5 5.5 8.3#
68 6.7 2.3 3.5#

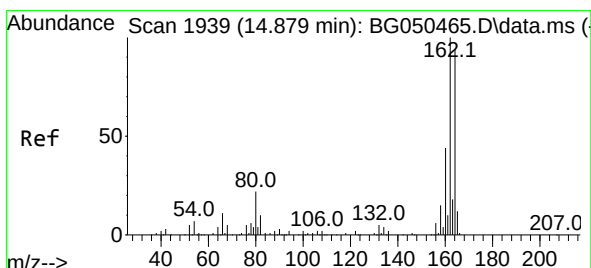
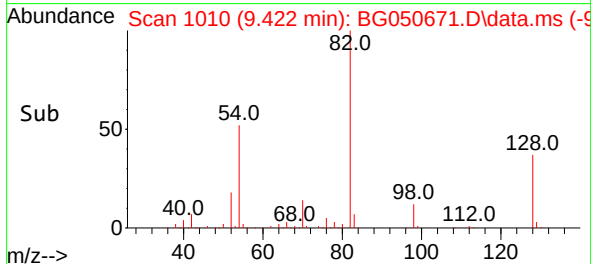
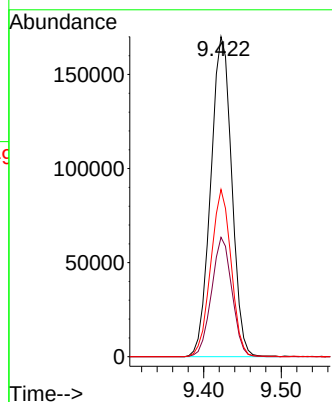
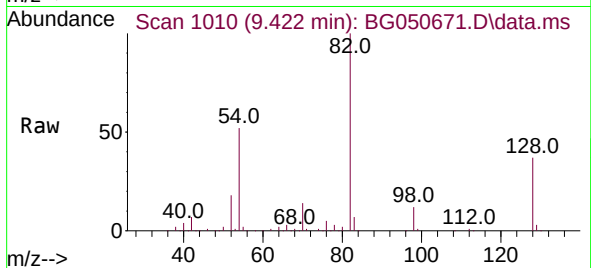




#23
Nitrobenzene-d5
Concen: 84.432 ng
RT: 9.422 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

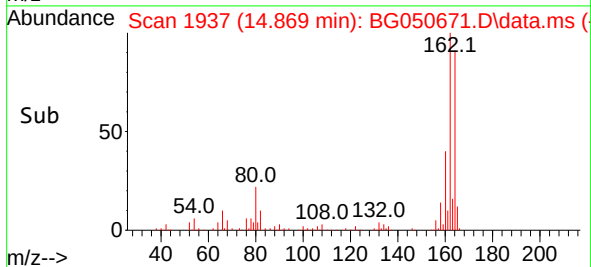
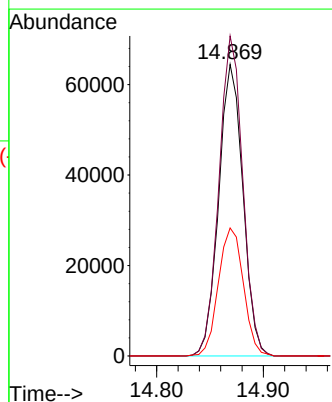
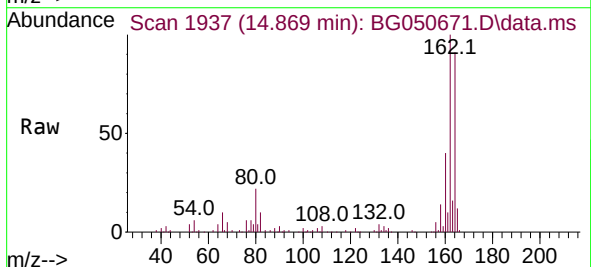
Instrument :
BNA_G
ClientSampleId :
TH-CD

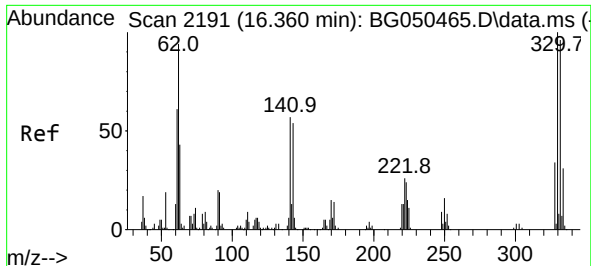
Tgt Ion: 82 Resp: 320175
Ion Ratio Lower Upper
82 100
128 37.3 29.8 44.6
54 52.3 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

Tgt Ion:164 Resp: 101689
Ion Ratio Lower Upper
164 100
162 109.8 81.4 122.0
160 43.9 34.9 52.3

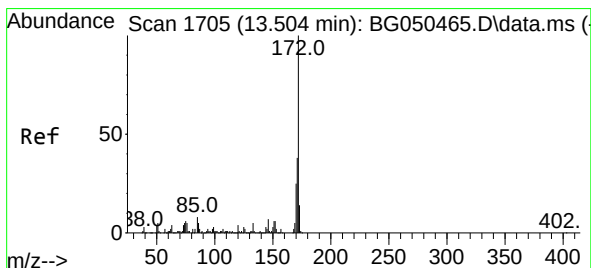
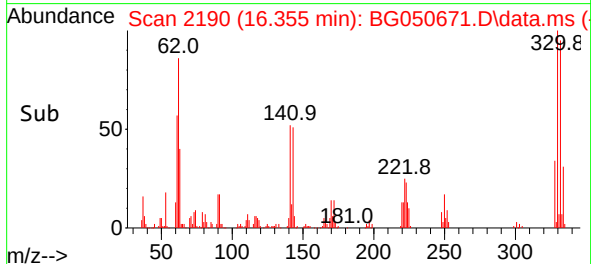
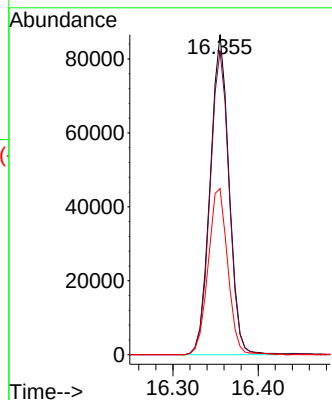
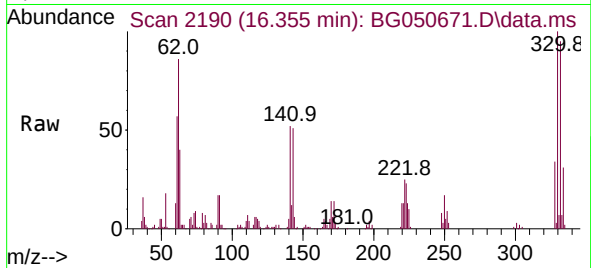




#42
2,4,6-Tribromophenol
Concen: 137.528 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

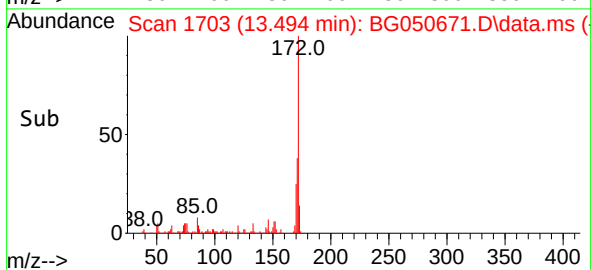
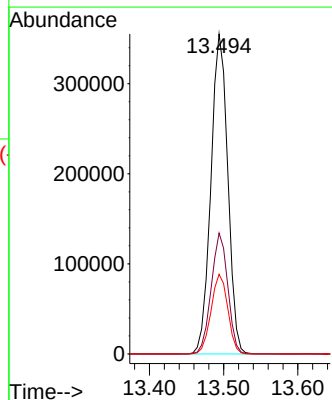
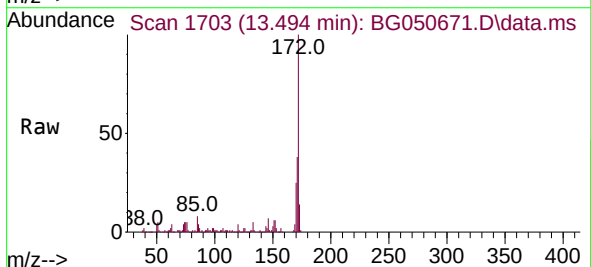
Instrument :
BNA_G
ClientSampleId :
TH-CD

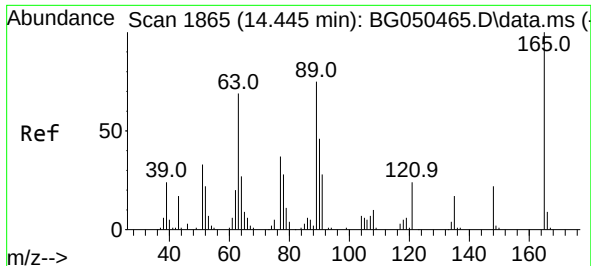
Tgt Ion:330 Resp: 133393
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 53.7 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 83.037 ng
RT: 13.494 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

Tgt Ion:172 Resp: 561050
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 24.9 18.6 27.8

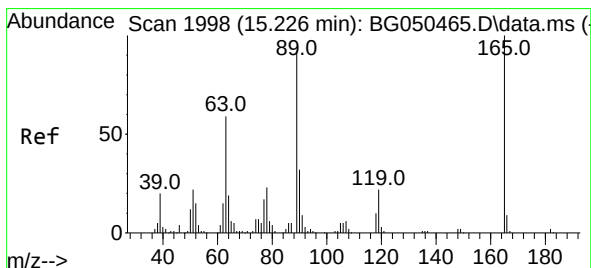
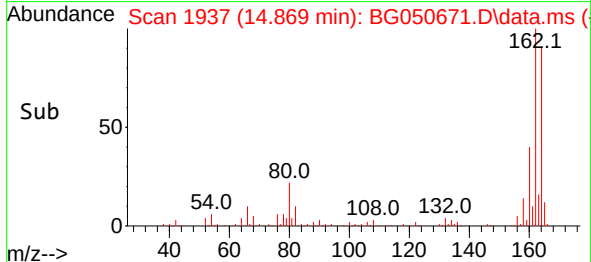
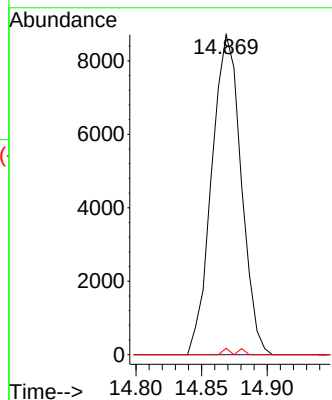
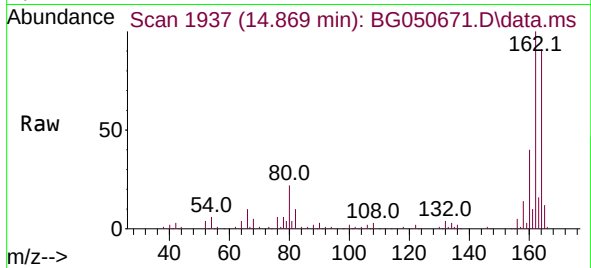




#51
2,6-Dinitrotoluene
Concen: 8.858 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

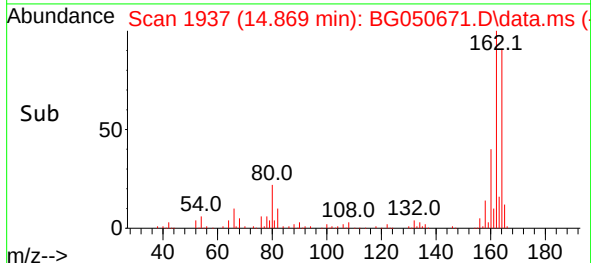
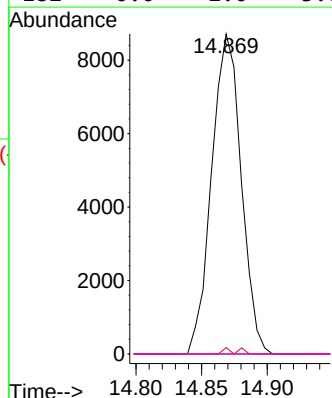
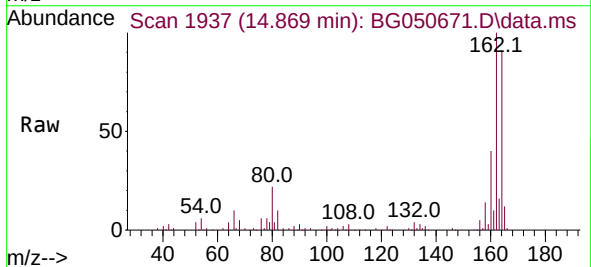
Instrument :
BNA_G
ClientSampled :
TH-CD

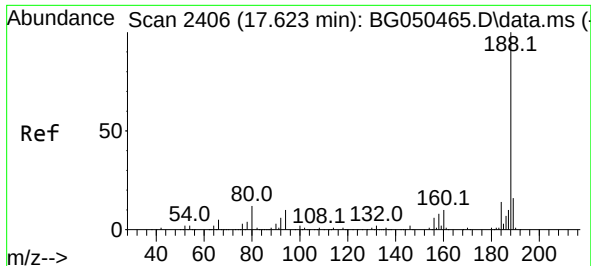
Tgt Ion:165 Resp: 13637
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.284 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

Tgt Ion:165 Resp: 13637
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.0 65.4 98.0#
182 0.0 2.0 3.0#

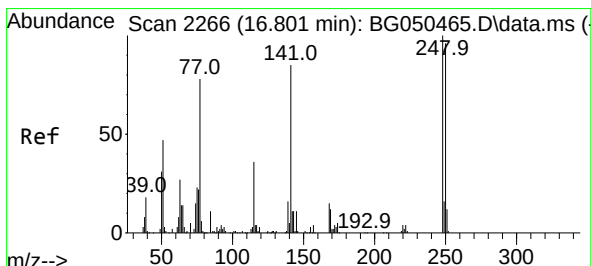
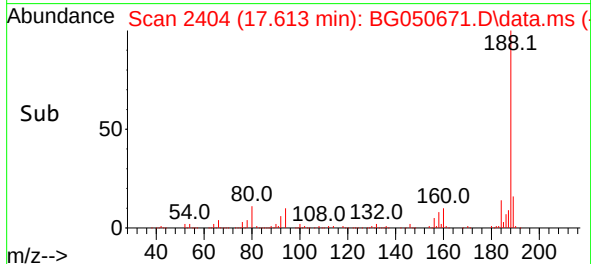
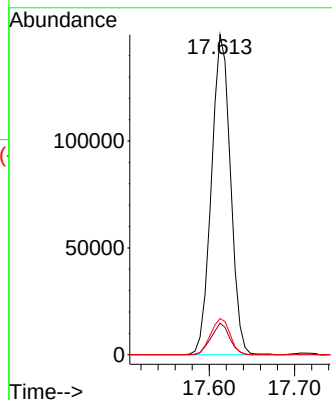
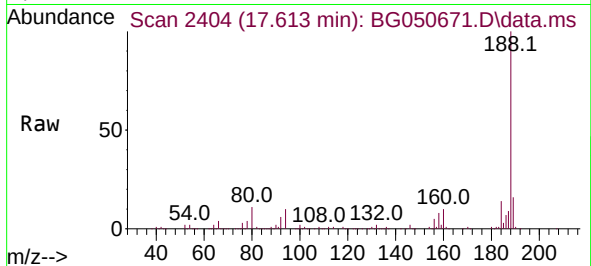




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

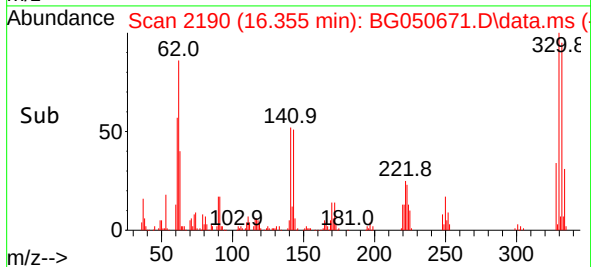
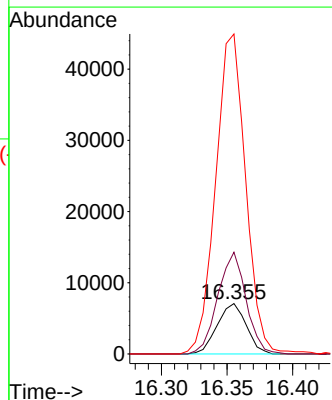
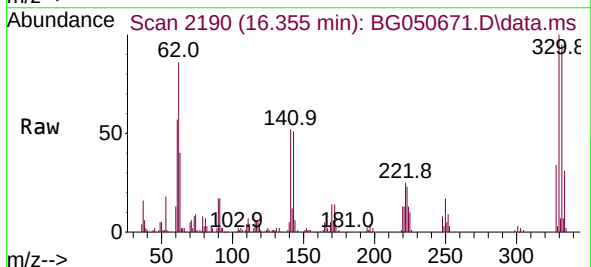
Instrument :
BNA_G
ClientSampleId :
TH-CD

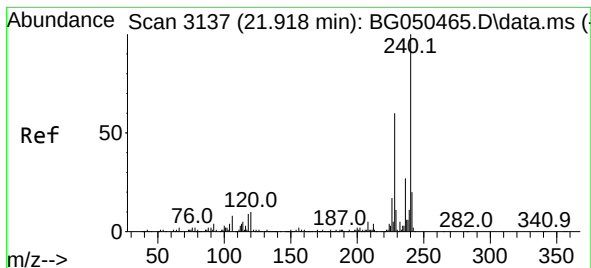
Tgt Ion:188 Resp: 232170
Ion Ratio Lower Upper
188 100
94 9.9 5.4 8.0#
80 11.3 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.663 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.446 min
Lab File: BG050671.D
Acq: 21 Oct 2021 17:41

Tgt Ion:248 Resp: 10909
Ion Ratio Lower Upper
248 100
250 201.9 76.1 114.1#
141 634.8 65.4 98.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.913 min Scan# 3136

Delta R.T. -0.011 min

Lab File: BG050671.D

Acq: 21 Oct 2021 17:41

Tgt Ion:240 Resp: 205748

Ion Ratio Lower Upper

240 100

120 9.3 4.2 6.2#

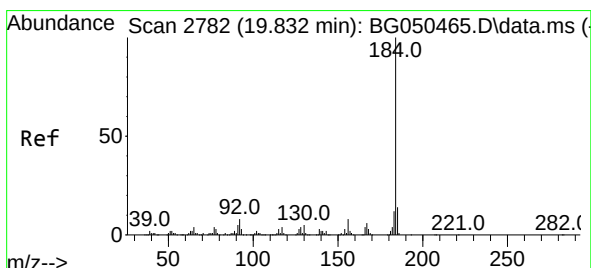
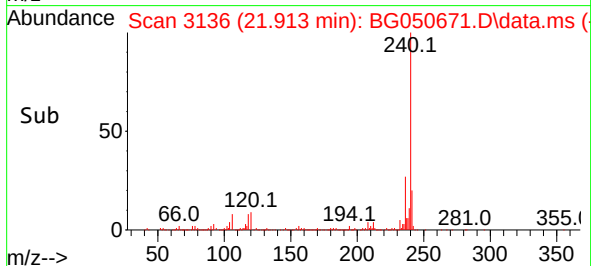
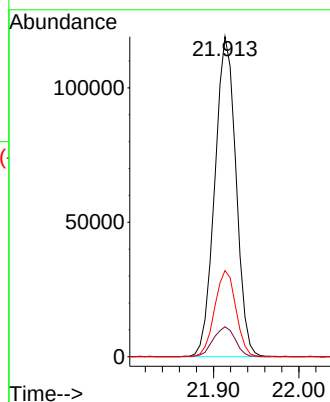
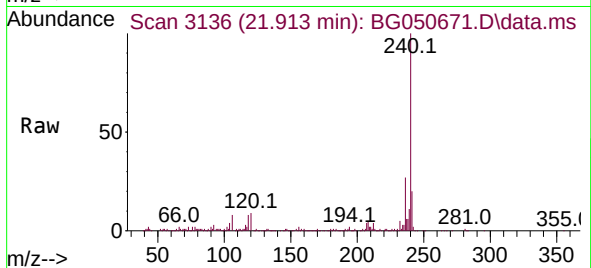
236 26.9 21.8 32.6

Instrument :

BNA_G

ClientSampleId :

TH-CD



#77

Benzidine

Concen: 2.484 ng

RT: 20.204 min Scan# 2845

Delta R.T. 0.371 min

Lab File: BG050671.D

Acq: 21 Oct 2021 17:41

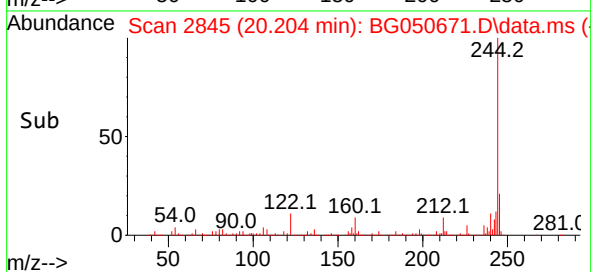
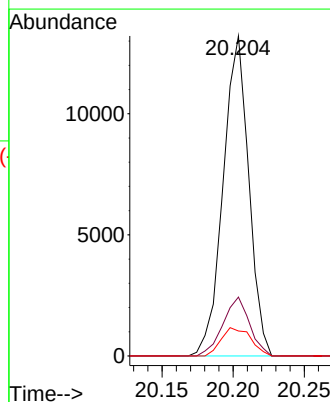
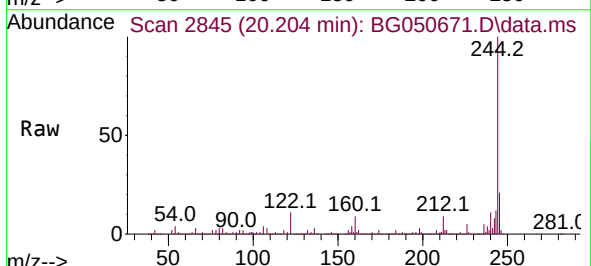
Tgt Ion:184 Resp: 16562

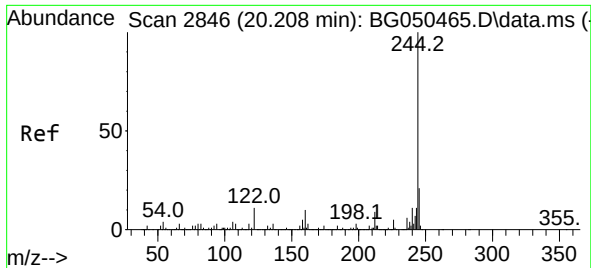
Ion Ratio Lower Upper

184 100

185 18.4 10.7 16.1#

183 7.8 9.4 14.0#

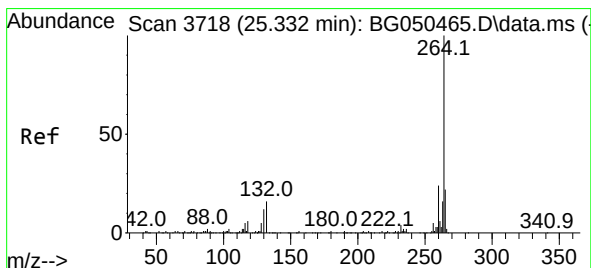
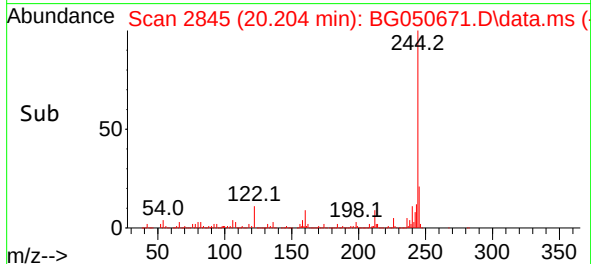
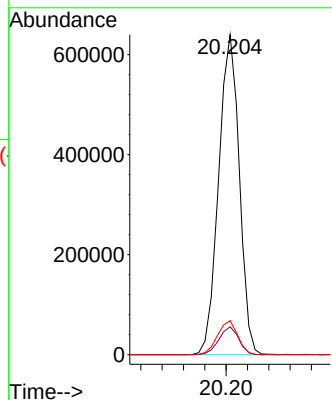
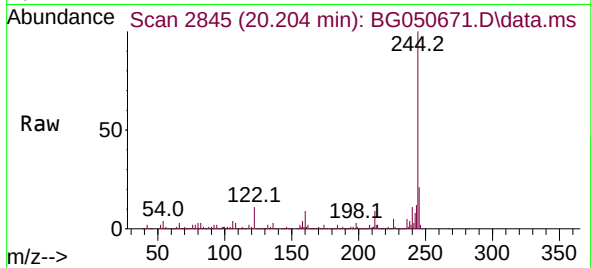




#79
 Terphenyl-d14
 Concen: 81.383 ng
 RT: 20.204 min Scan# 2845
 Delta R.T. -0.005 min
 Lab File: BG050671.D
 Acq: 21 Oct 2021 17:41

Instrument :
 BNA_G
 ClientSampleId :
 TH-CD

Tgt Ion:244 Resp: 859200
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.9 10.3
 122 10.7 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.327 min Scan# 3717
 Delta R.T. -0.005 min
 Lab File: BG050671.D
 Acq: 21 Oct 2021 17:41

Tgt Ion:264 Resp: 201266
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 22.3 16.9 25.3

