

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059870.D
 Acq On : 24 Nov 2023 23:04
 Operator : MA/JU
 Sample : 05412-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-2

Quant Time: Nov 25 01:03:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

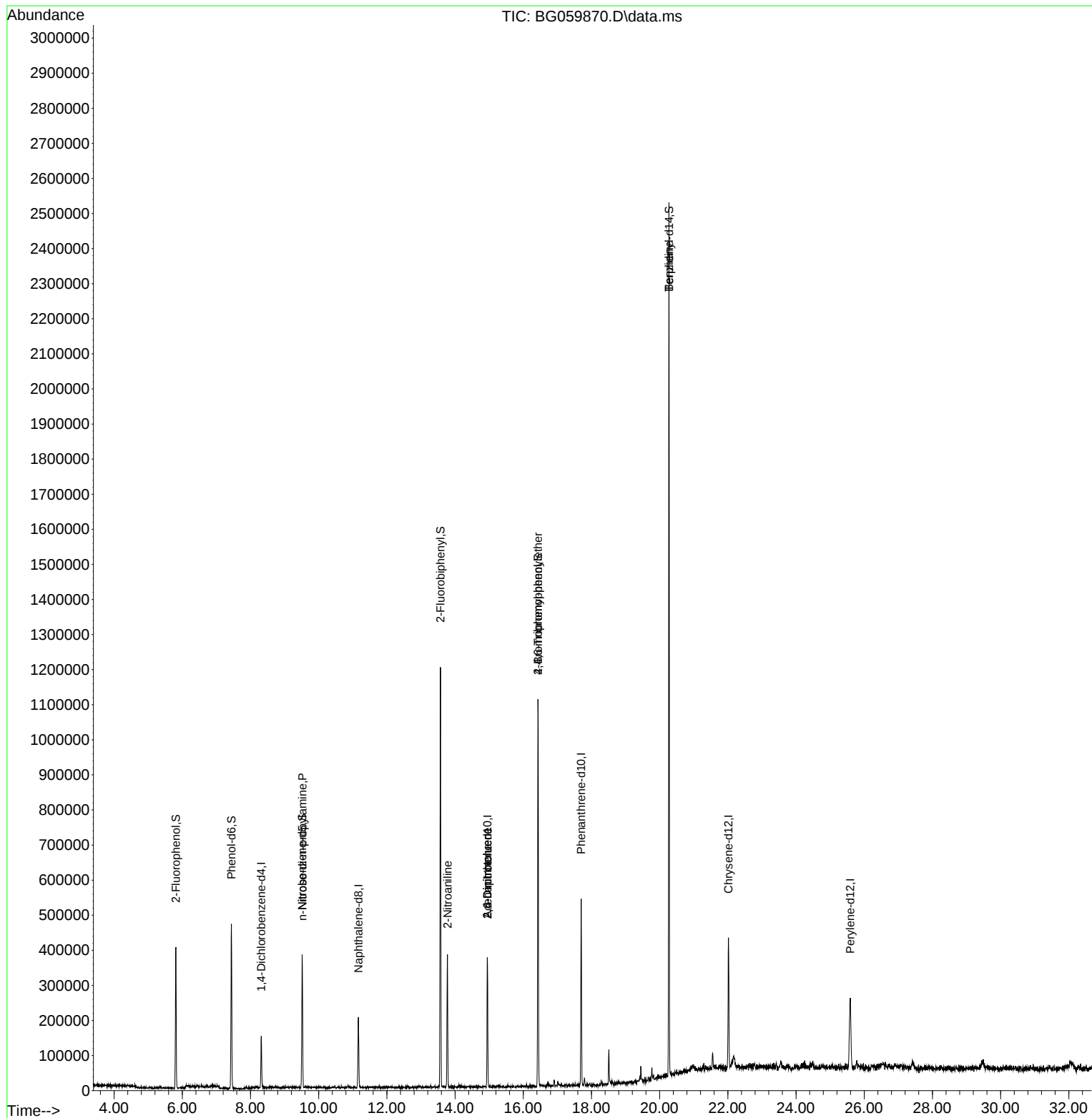
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	30782	20.000	ng	0.00
21) Naphthalene-d8	11.167	136	140632	20.000	ng	# 0.00
39) Acenaphthene-d10	14.951	164	120177	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	287963	20.000	ng	0.00
76) Chrysene-d12	22.019	240	220491	20.000	ng	-0.01
86) Perylene-d12	25.592	264	234128	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	140531	76.841	ng	0.00
7) Phenol-d6	7.442	99	198128	73.105	ng	0.00
23) Nitrobenzene-d5	9.516	82	231336	62.825	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	155849	114.296	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	525771	58.889	ng	0.00
79) Terphenyl-d14	20.274	244	968456	64.841	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.522	70	39077	18.310	ng	# 78
48) 2-Nitroaniline	13.782	65	12636	5.460	ng	# 19
51) 2,6-Dinitrotoluene	14.951	165	14244	8.062	ng	# 1
57) 2,4-Dinitrotoluene	14.951	165	14244	5.243	ng	# 2
67) 4-Bromophenyl-phenylether	16.438	248	11294	3.651	ng	# 1
77) Benzydine	20.274	184	27860	5.572	ng	# 88

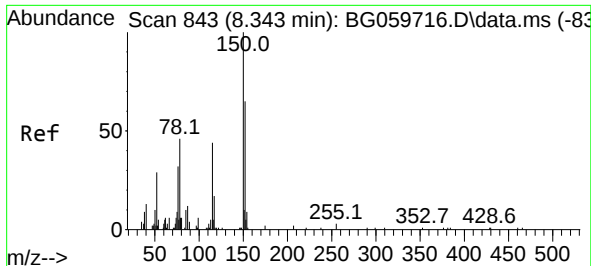
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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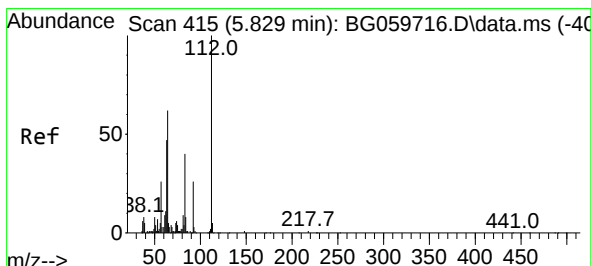
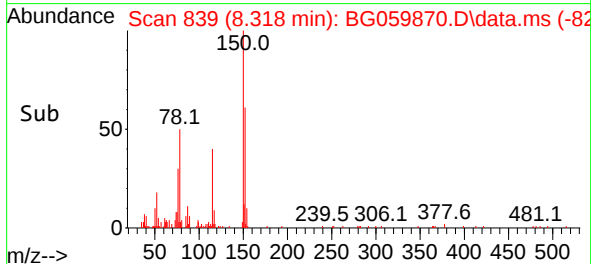
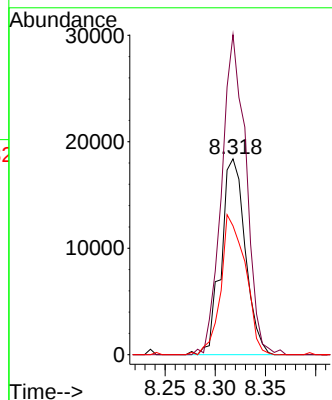
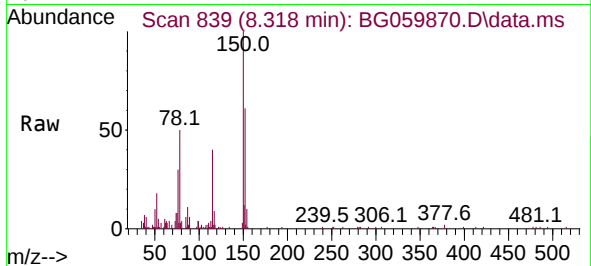




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.318 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

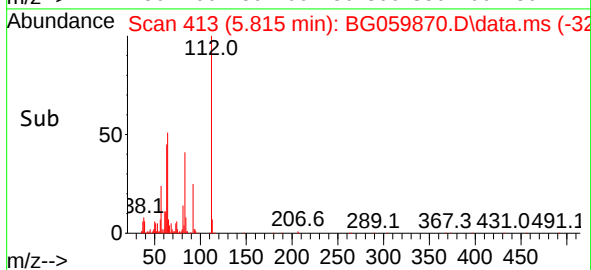
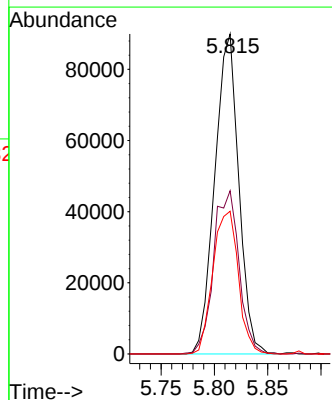
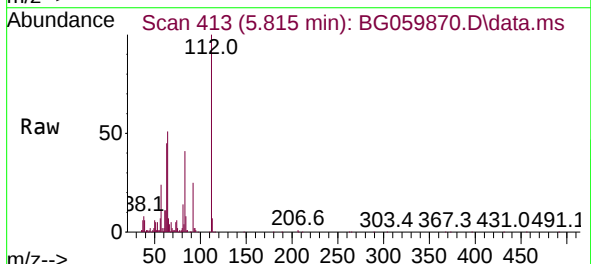
Instrument :
BNA_G
ClientSampleId :
MH-2

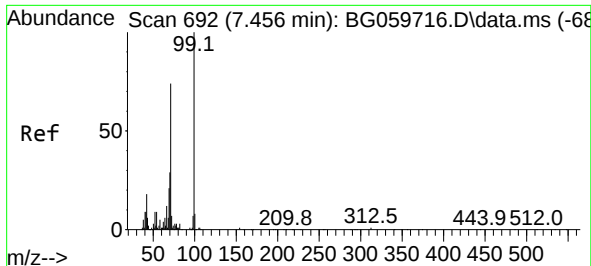
Tgt Ion:152 Resp: 30782
Ion Ratio Lower Upper
152 100
150 163.3 122.2 183.4
115 65.7 54.2 81.4



#5
2-Fluorophenol
Concen: 76.841 ng
RT: 5.815 min Scan# 413
Delta R.T. 0.003 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

Tgt Ion:112 Resp: 140531
Ion Ratio Lower Upper
112 100
64 51.0 49.5 74.3
63 44.6 37.4 56.2

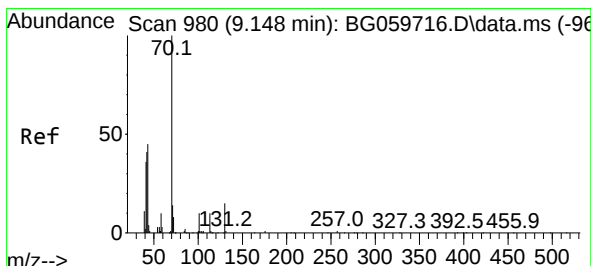
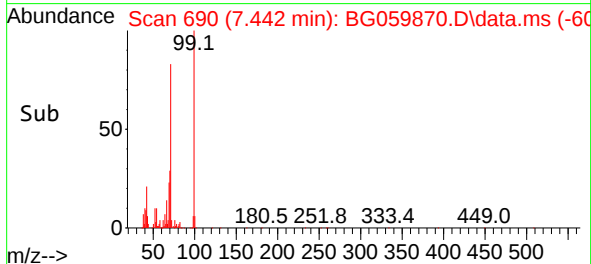
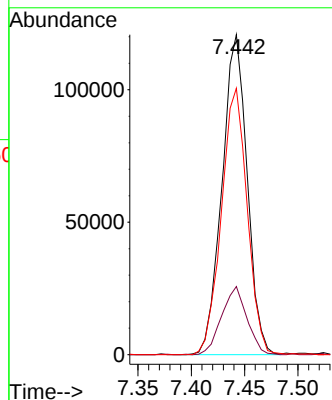
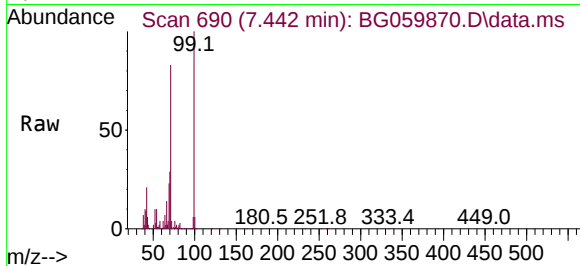




#7
Phenol-d6
Concen: 73.105 ng
RT: 7.442 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

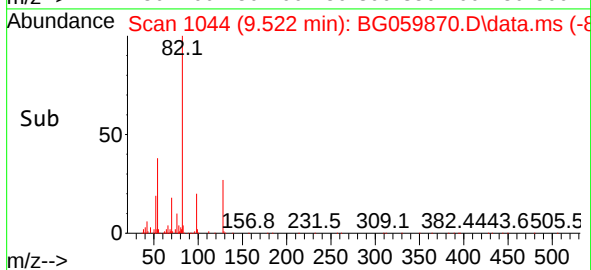
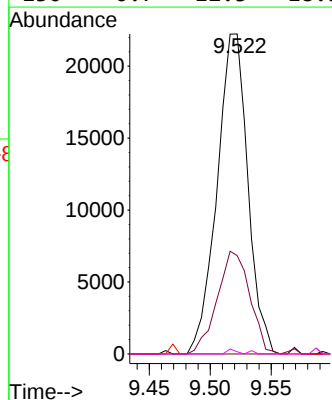
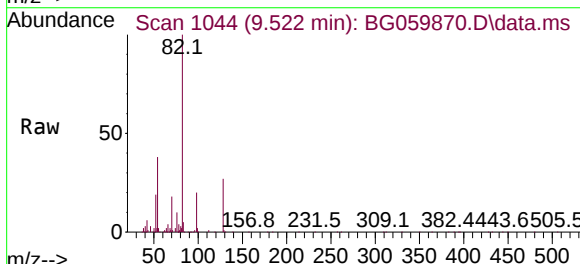
Instrument :
BNA_G
ClientSampleId :
MH-2

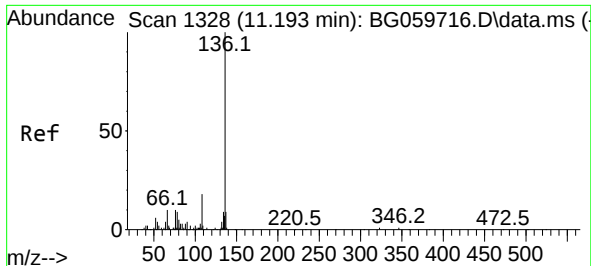
Tgt Ion: 99 Resp: 198128
Ion Ratio Lower Upper
99 100
42 21.3 14.3 21.5
71 83.3 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 18.310 ng
RT: 9.522 min Scan# 1044
Delta R.T. 0.391 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

Tgt Ion: 70 Resp: 39077
Ion Ratio Lower Upper
70 100
42 30.8 32.8 49.2#
101 0.0 7.7 11.5#
130 0.7 12.3 18.5#

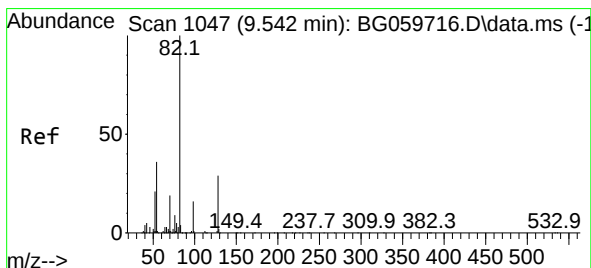
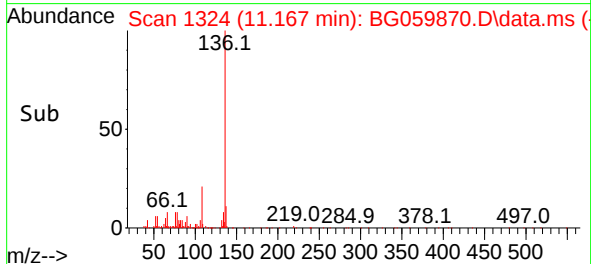
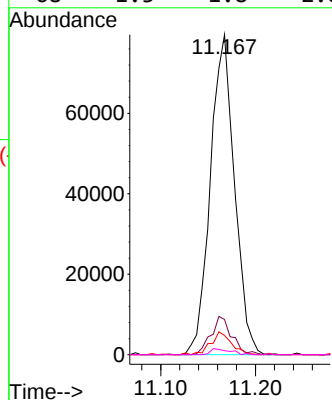
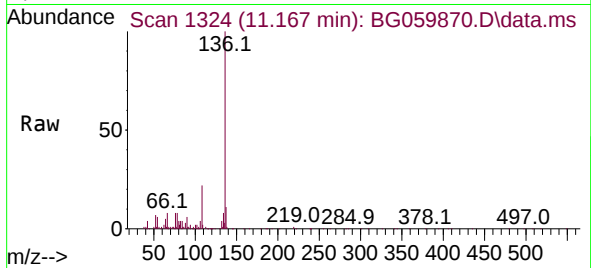




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 111
Delta R.T. -0.003 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

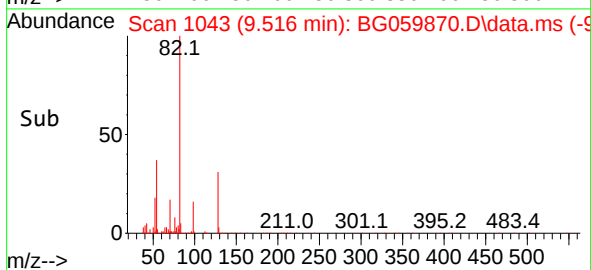
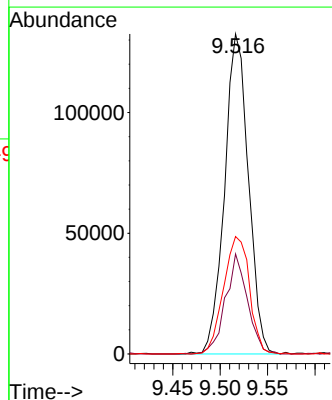
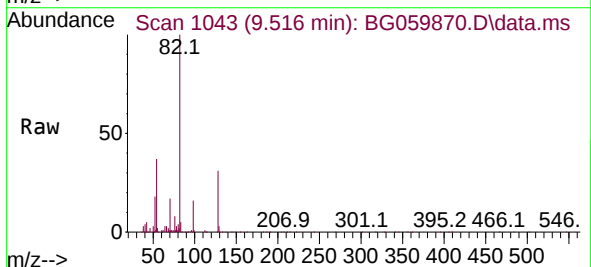
Instrument :
BNA_G
ClientSampleId :
MH-2

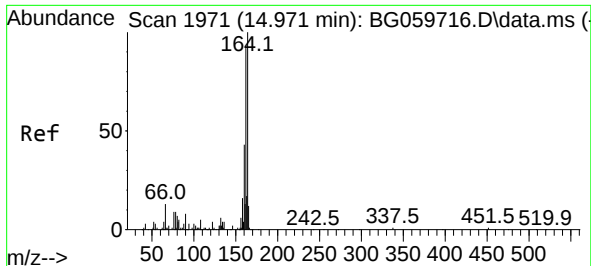
Tgt Ion:136 Resp: 140632
Ion Ratio Lower Upper
136 100
137 11.0 7.4 11.0
54 6.0 3.1 4.7#
68 1.3 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 62.825 ng
RT: 9.516 min Scan# 1043
Delta R.T. -0.009 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

Tgt Ion: 82 Resp: 231336
Ion Ratio Lower Upper
82 100
128 31.2 23.0 34.6
54 36.7 28.7 43.1

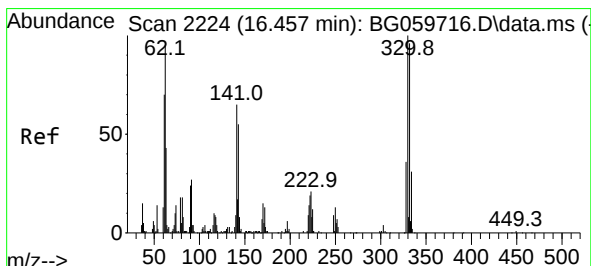
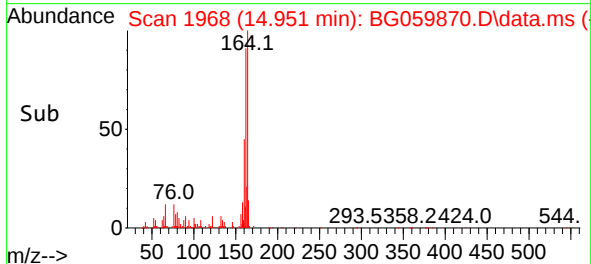
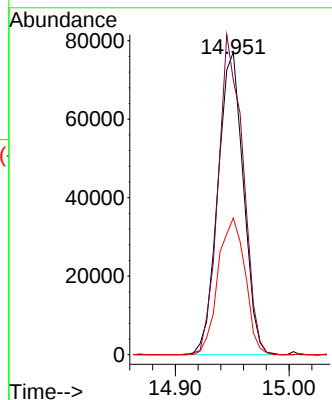
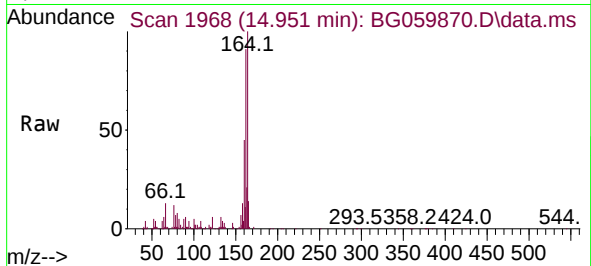




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.951 min Scan# 1968
Delta R.T. -0.003 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

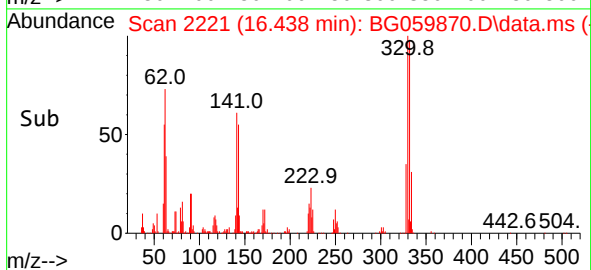
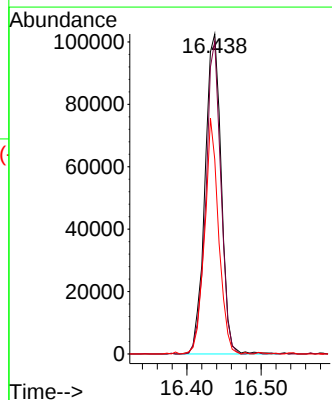
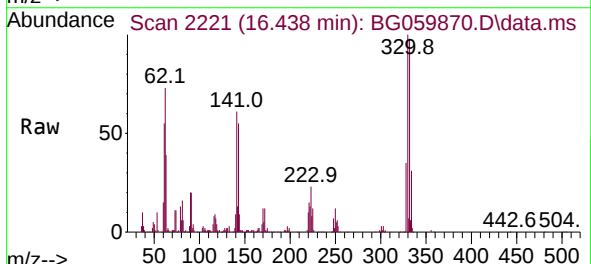
Instrument :
BNA_G
ClientSampleId :
MH-2

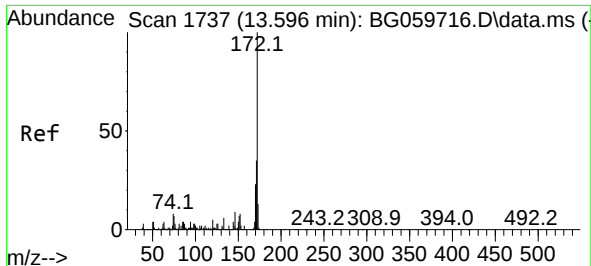
Tgt Ion:164 Resp: 120177
Ion Ratio Lower Upper
164 100
162 90.8 73.3 109.9
160 45.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 114.296 ng
RT: 16.438 min Scan# 2221
Delta R.T. -0.003 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

Tgt Ion:330 Resp: 155849
Ion Ratio Lower Upper
330 100
332 90.5 73.3 109.9
141 63.9 52.1 78.1

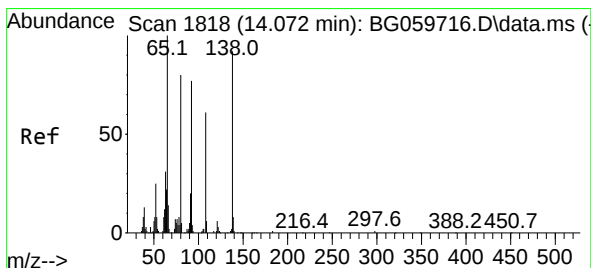
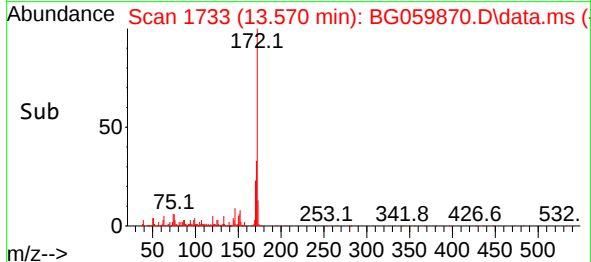
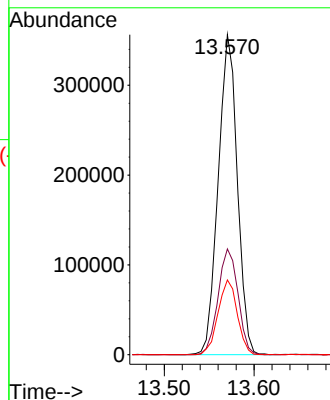
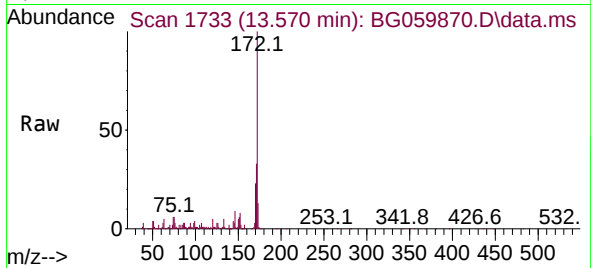




#45
2-Fluorobiphenyl
Concen: 58.889 ng
RT: 13.570 min Scan# 1769
Delta R.T. -0.009 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

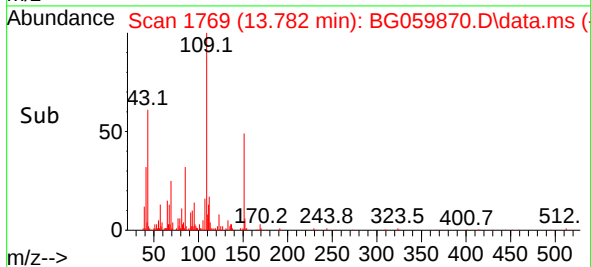
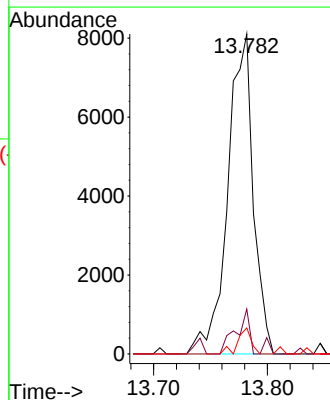
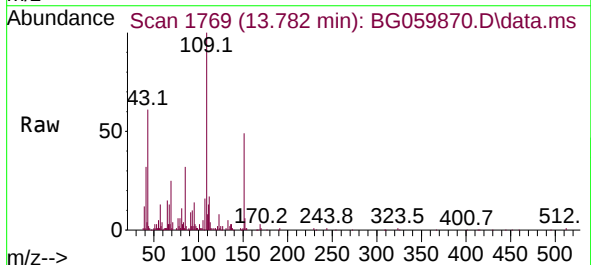
Instrument :
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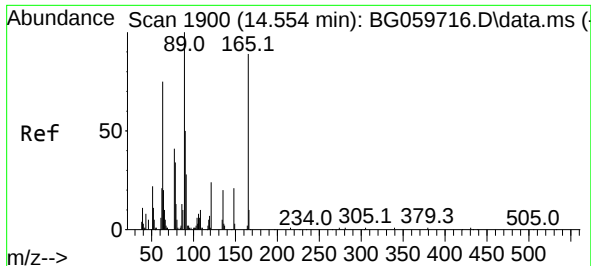
Tgt Ion:172 Resp: 525771
Ion Ratio Lower Upper
172 100
171 33.0 27.7 41.5
170 23.4 18.4 27.6



#48
2-Nitroaniline
Concen: 5.460 ng
RT: 13.782 min Scan# 1769
Delta R.T. -0.285 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

Tgt Ion: 65 Resp: 12636
Ion Ratio Lower Upper
65 100
92 14.1 61.2 91.8#
138 8.2 73.8 110.6#

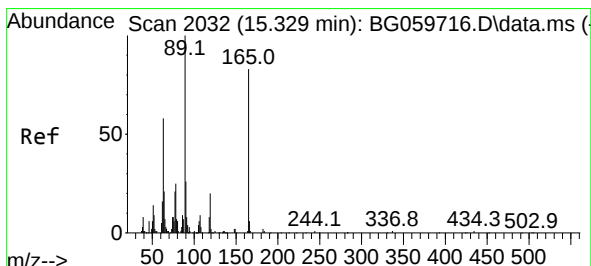
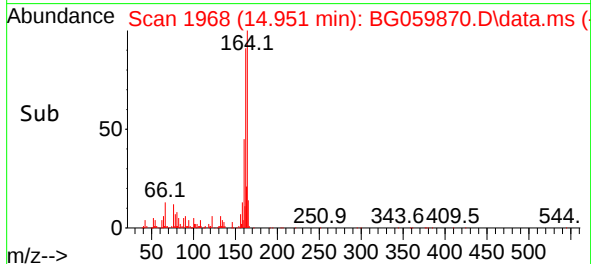
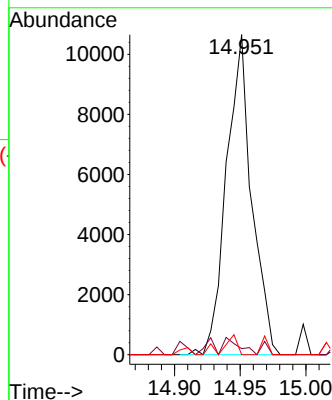
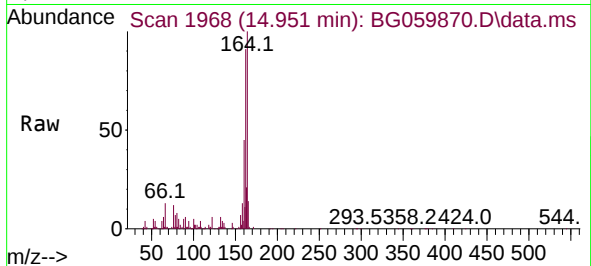




#51
2,6-Dinitrotoluene
Concen: 8.062 ng
RT: 14.951 min Scan# 1968
Delta R.T. 0.408 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

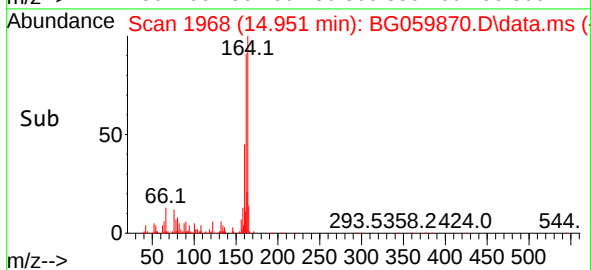
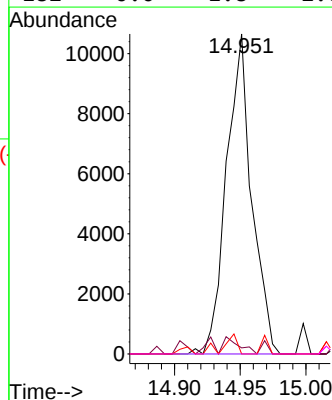
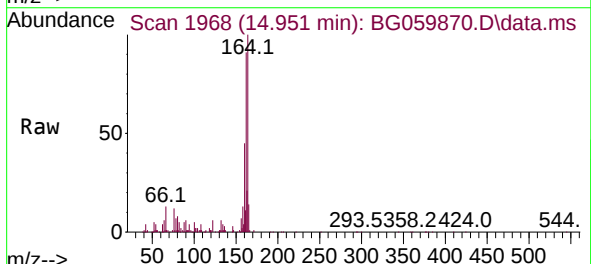
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ClientSampleId :
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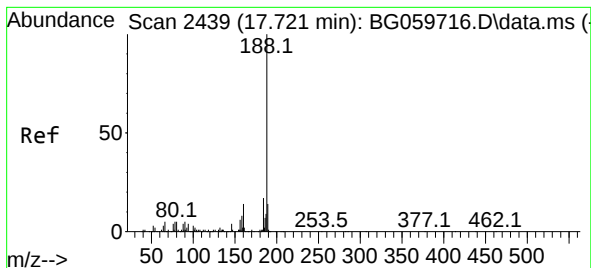
Tgt Ion:165 Resp: 14244
Ion Ratio Lower Upper
165 100
63 1.9 75.3 112.9#
89 0.0 90.9 136.3#



#57
2,4-Dinitrotoluene
Concen: 5.243 ng
RT: 14.951 min Scan# 1968
Delta R.T. -0.373 min
Lab File: BG059870.D
Acq: 24 Nov 2023 23:04

Tgt Ion:165 Resp: 14244
Ion Ratio Lower Upper
165 100
63 1.9 55.8 83.8#
89 0.0 96.9 145.3#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.701 min Scan# 2439

Delta R.T. -0.009 min

Lab File: BG059870.D

Acq: 24 Nov 2023 23:04

Instrument :

BNA_G

ClientSampleId :

MH-2

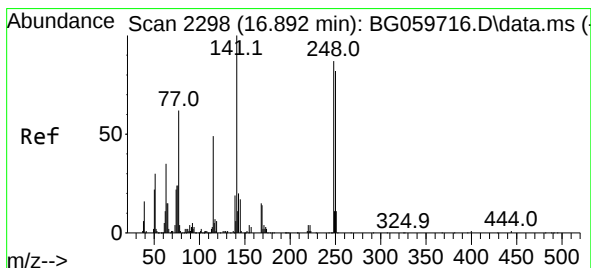
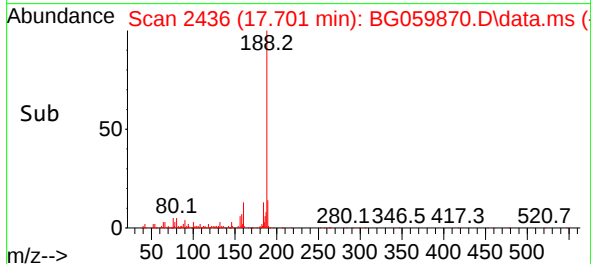
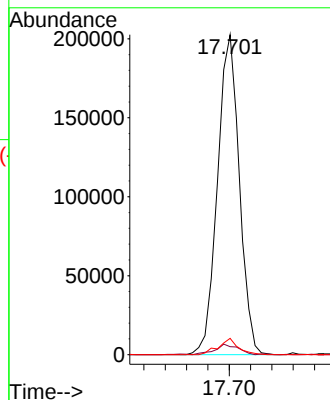
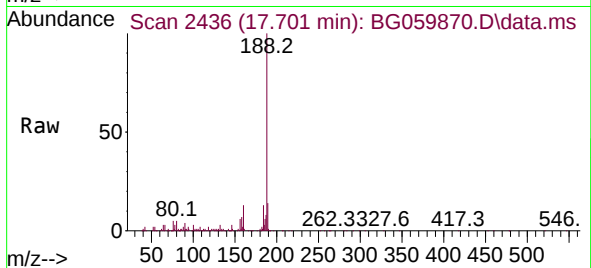
Tgt Ion:188 Resp: 287963

Ion Ratio Lower Upper

188 100

94 3.3 3.0 4.4

80 5.1 4.2 6.4



#67

4-Bromophenyl-phenylether

Concen: 3.651 ng

RT: 16.438 min Scan# 2221

Delta R.T. -0.444 min

Lab File: BG059870.D

Acq: 24 Nov 2023 23:04

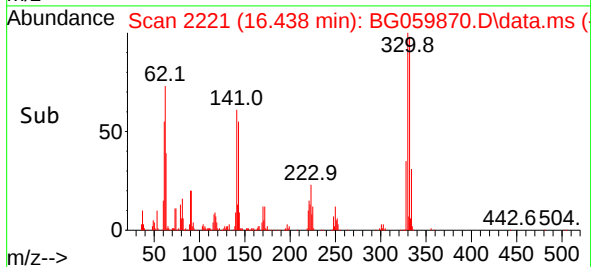
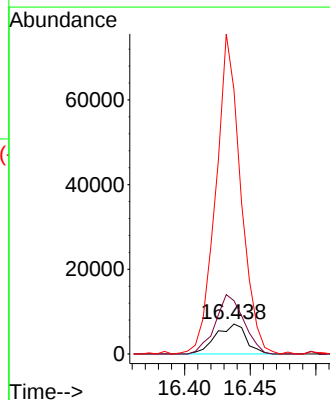
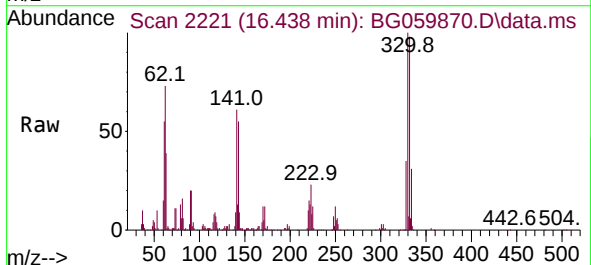
Tgt Ion:248 Resp: 11294

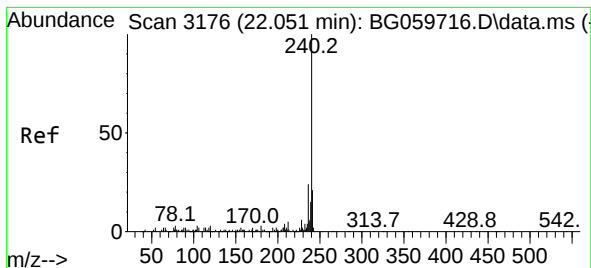
Ion Ratio Lower Upper

248 100

250 177.9 75.2 112.8#

141 881.0 91.5 137.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.019 min Scan# 3176

Delta R.T. -0.015 min

Lab File: BG059870.D

Acq: 24 Nov 2023 23:04

Instrument :

BNA_G

ClientSampleId :

MH-2

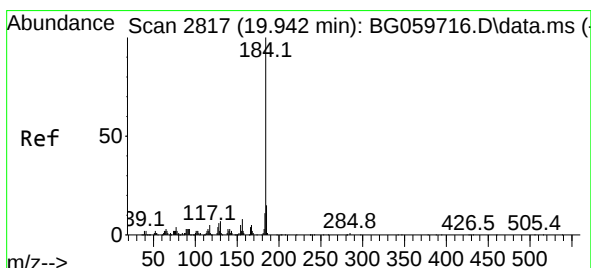
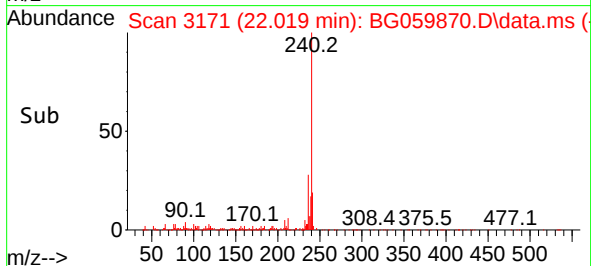
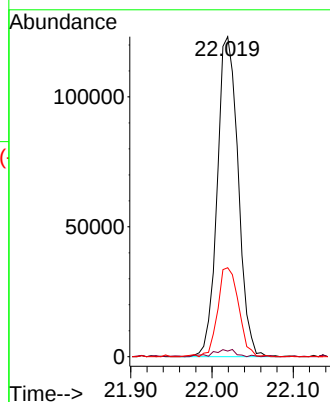
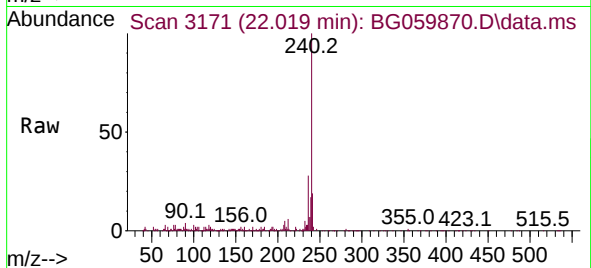
Tgt Ion:240 Resp: 220491

Ion Ratio Lower Upper

240 100

120 2.6 2.2 3.2

236 27.8 19.4 29.2



#77

Benzidine

Concen: 5.572 ng

RT: 20.274 min Scan# 2874

Delta R.T. 0.344 min

Lab File: BG059870.D

Acq: 24 Nov 2023 23:04

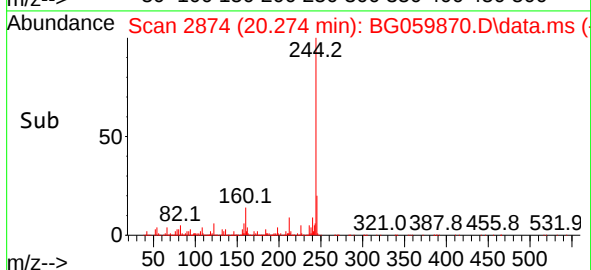
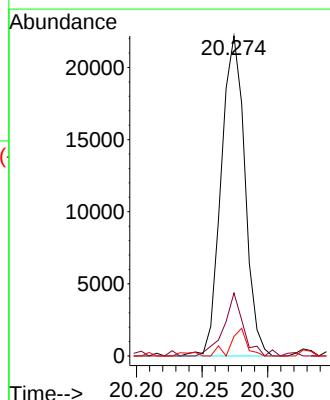
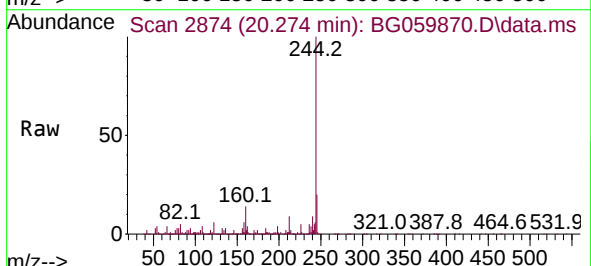
Tgt Ion:184 Resp: 27860

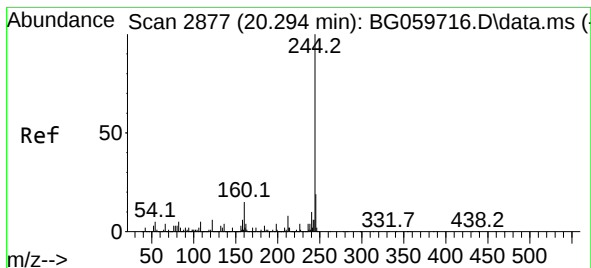
Ion Ratio Lower Upper

184 100

185 19.6 12.2 18.2#

183 6.1 8.8 13.2#





#79

Terphenyl-d14

Concen: 64.841 ng

RT: 20.274 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG059870.D

Acq: 24 Nov 2023 23:04

Instrument :

BNA_G

ClientSampleId :

MH-2

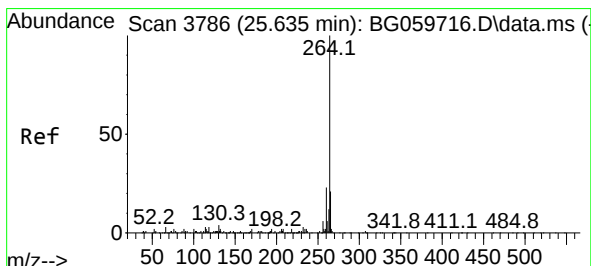
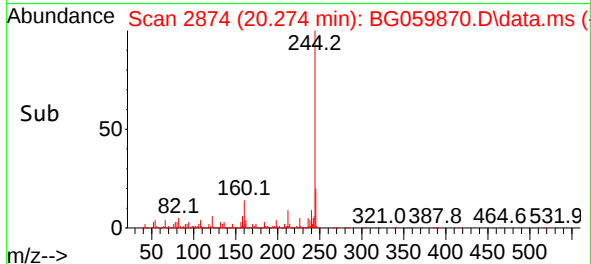
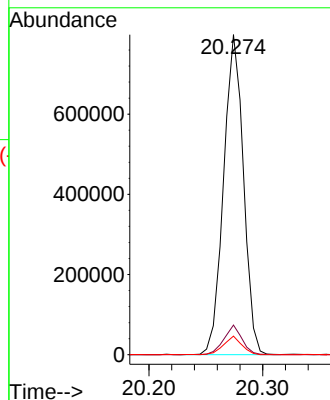
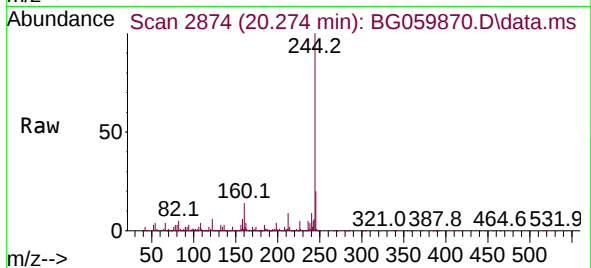
Tgt Ion:244 Resp: 968456

Ion Ratio Lower Upper

244 100

212 9.3 6.6 10.0

122 5.8 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.592 min Scan# 3779

Delta R.T. -0.020 min

Lab File: BG059870.D

Acq: 24 Nov 2023 23:04

Tgt Ion:264 Resp: 234128

Ion Ratio Lower Upper

264 100

260 24.7 18.5 27.7

265 22.3 17.0 25.6

