

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060024.D
 Acq On : 14 Dec 2023 23:05
 Operator : MA/JU
 Sample : 05631-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Quant Time: Dec 15 02:40:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

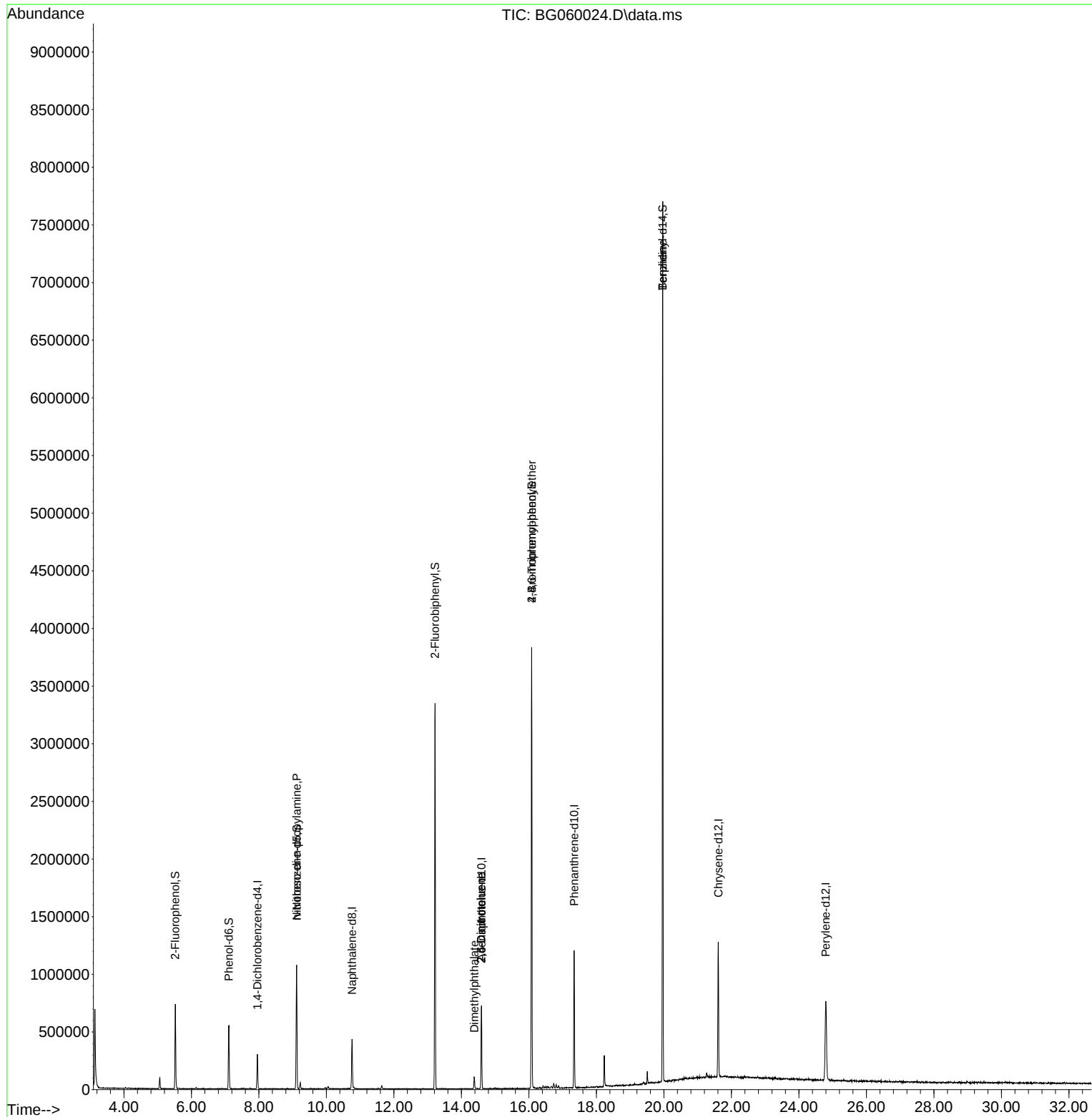
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	82396	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	322414	20.000	ng	0.00
39) Acenaphthene-d10	14.594	164	260904	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	812743	20.000	ng	0.00
76) Chrysene-d12	21.610	240	767736	20.000	ng	# 0.00
86) Perylene-d12	24.794	264	891118	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	279655	58.101	ng	0.00
7) Phenol-d6	7.109	99	282771	41.764	ng	0.00
23) Nitrobenzene-d5	9.118	82	619856	87.299	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	914536	150.410	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	1821748	85.458	ng	0.00
79) Terphenyl-d14	19.965	244	4006108	95.267	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.118	70	86805	19.872	ng	# 82
50) Dimethylphthalate	14.383	163	65560	3.237	ng	# 92
51) 2,6-Dinitrotoluene	14.588	165	36932	8.804	ng	# 23
57) 2,4-Dinitrotoluene	14.588	165	36932	6.263	ng	# 27
67) 4-Bromophenyl-phenylether	16.081	248	55214	4.815	ng	# 1
69) Atrazine	16.786	200	89	Below Cal		# 34
77) Benzidine	19.965	184	68444	6.941	ng	# 86

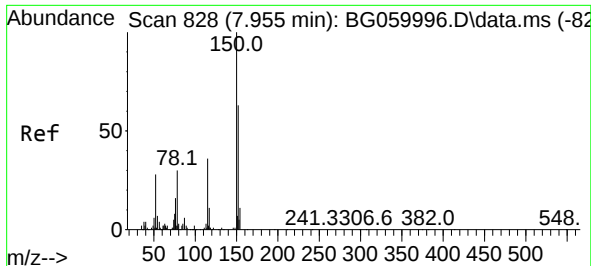
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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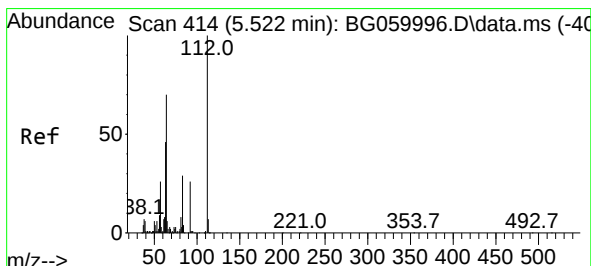
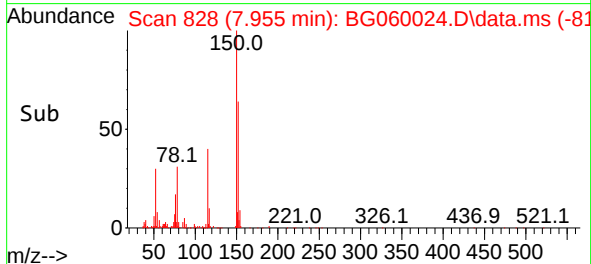
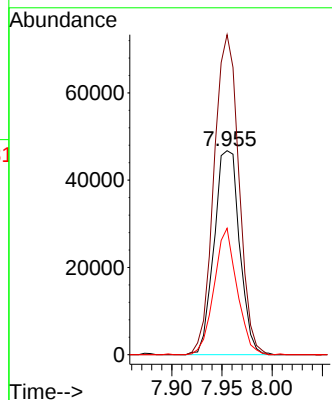
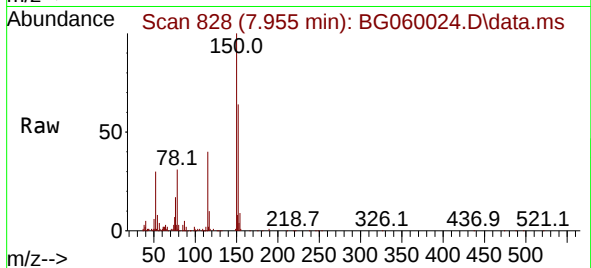




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

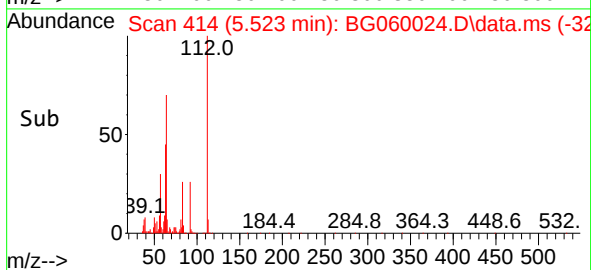
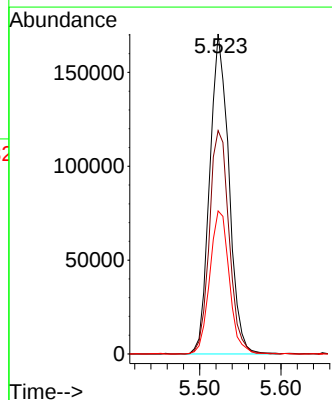
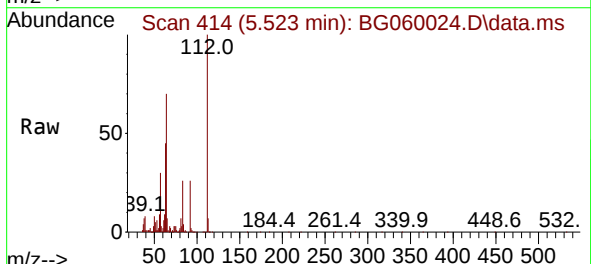
Instrument :
BNA_G
ClientSampleId :
MW-2

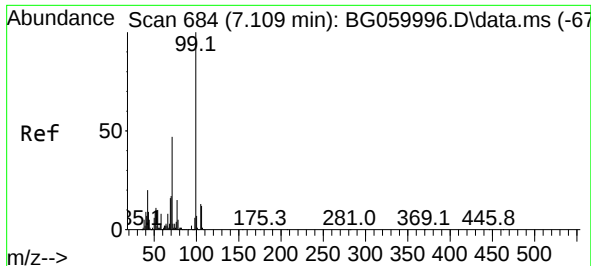
Tgt Ion:152 Resp: 82396
Ion Ratio Lower Upper
152 100
150 156.8 127.0 190.6
115 62.0 45.7 68.5



#5
2-Fluorophenol
Concen: 58.101 ng
RT: 5.523 min Scan# 414
Delta R.T. 0.001 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

Tgt Ion:112 Resp: 279655
Ion Ratio Lower Upper
112 100
64 69.8 55.9 83.9
63 44.7 36.5 54.7

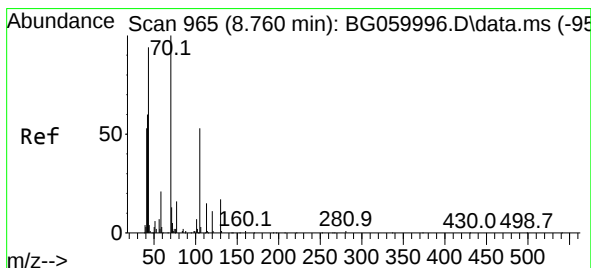
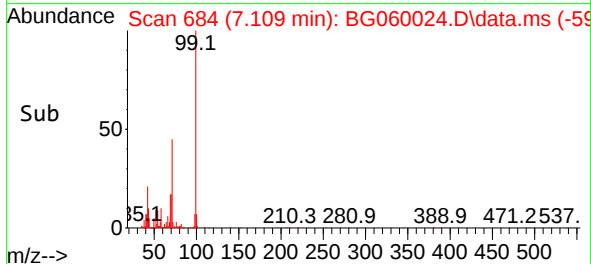
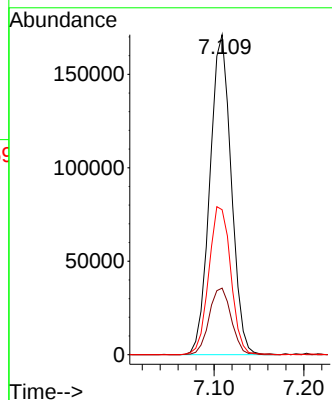
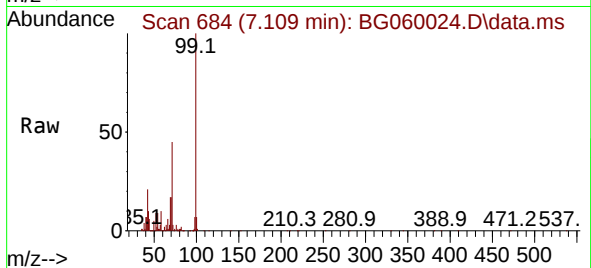




#7
Phenol-d6
Concen: 41.764 ng
RT: 7.109 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

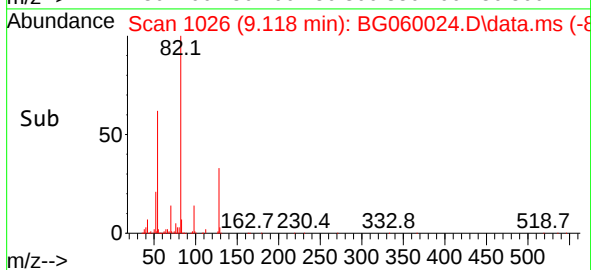
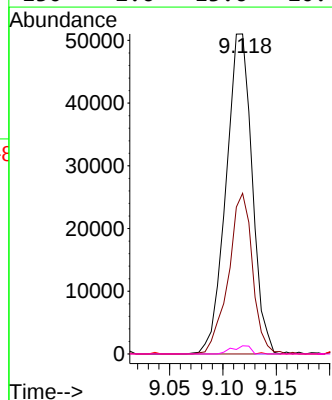
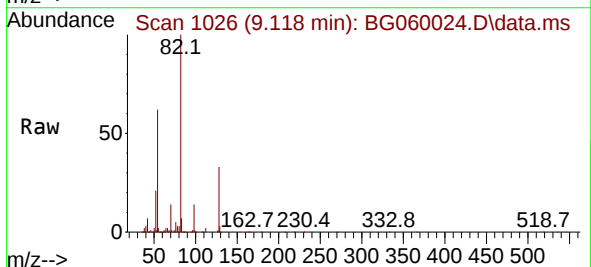
Instrument :
BNA_G
ClientSampleId :
MW-2

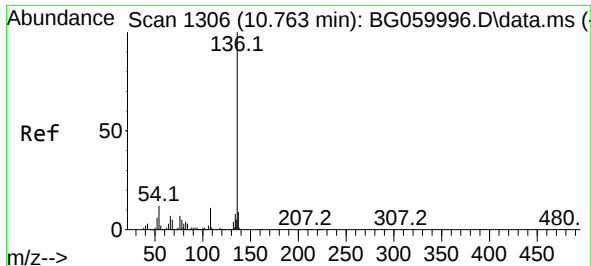
Tgt Ion: 99 Resp: 282771
Ion Ratio Lower Upper
99 100
42 20.8 16.2 24.4
71 45.3 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.872 ng
RT: 9.118 min Scan# 1026
Delta R.T. 0.359 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

Tgt Ion: 70 Resp: 86805
Ion Ratio Lower Upper
70 100
42 50.2 48.6 73.0
101 0.0 5.7 8.5#
130 2.6 13.6 20.4#

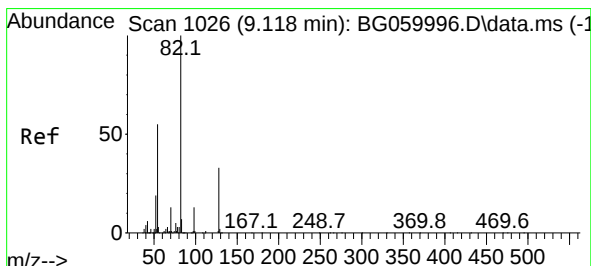
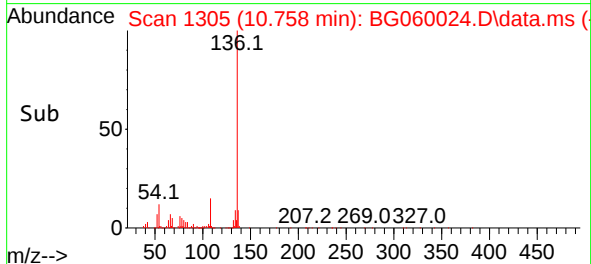
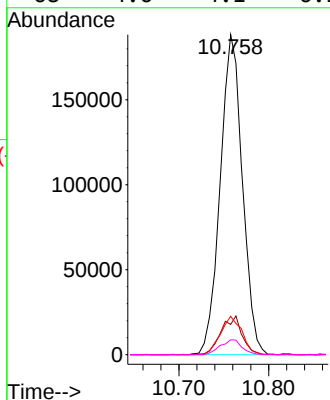
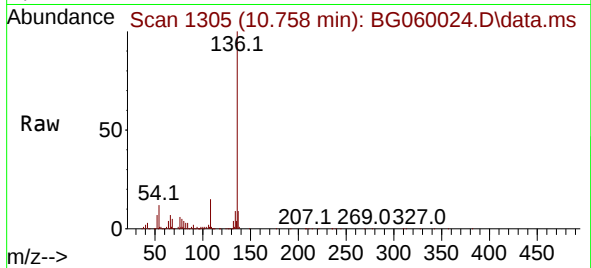




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

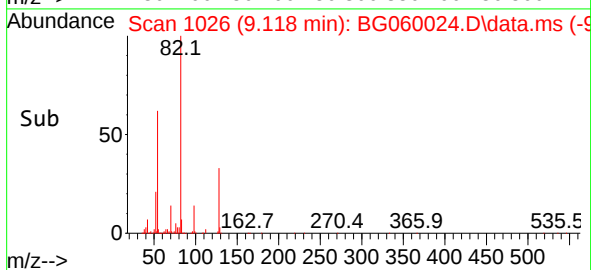
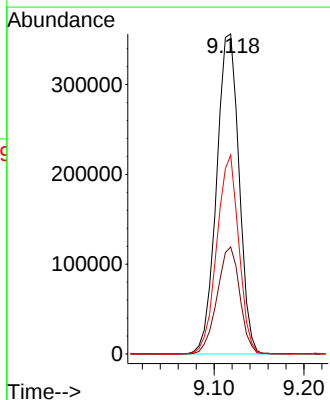
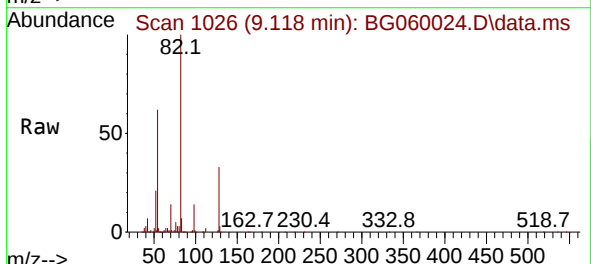
Instrument :
BNA_G
ClientSampleId :
MW-2

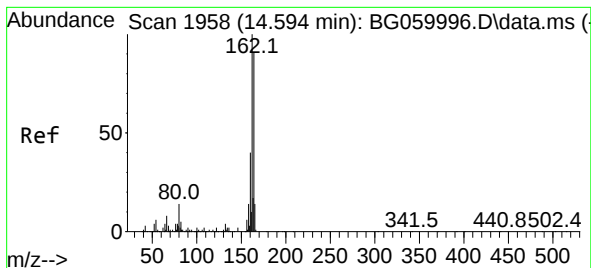
Tgt Ion:	136	Resp:	322414
Ion Ratio	Lower	Upper	
136	100		
137	9.5	7.3	10.9
54	12.0	9.6	14.4
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 87.299 ng
RT: 9.118 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

Tgt Ion:	82	Resp:	619856
Ion Ratio	Lower	Upper	
82	100		
128	33.5	26.3	39.5
54	62.2	44.3	66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.594 min Scan# 1958

Delta R.T. 0.000 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

Instrument :

BNA_G

ClientSampleId :

MW-2

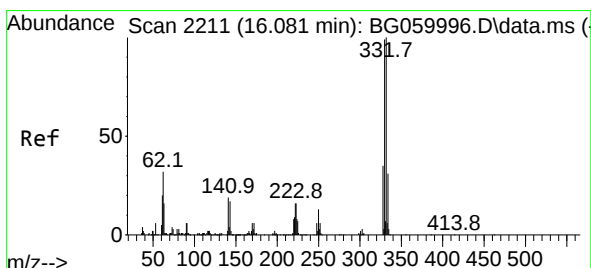
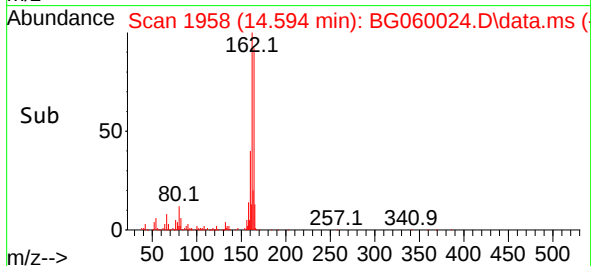
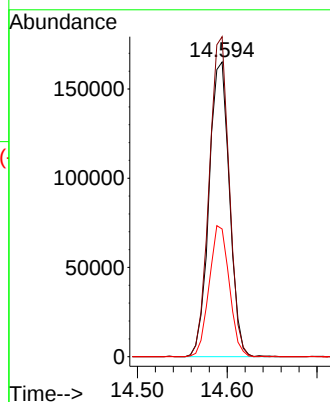
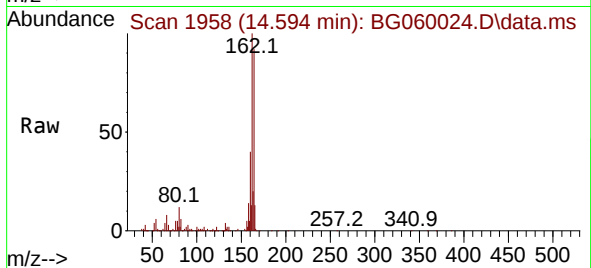
Tgt Ion:164 Resp: 260904

Ion Ratio Lower Upper

164 100

162 108.6 88.1 132.1

160 43.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 150.410 ng

RT: 16.081 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

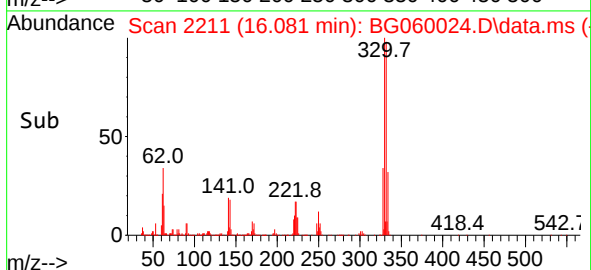
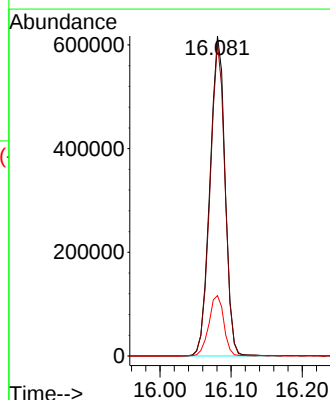
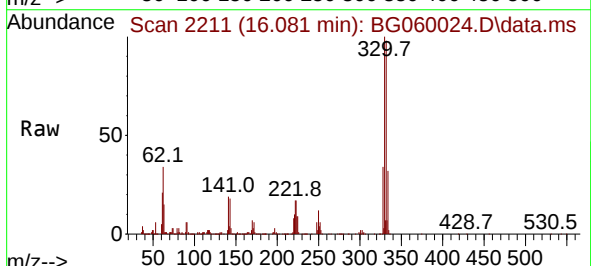
Tgt Ion:330 Resp: 914536

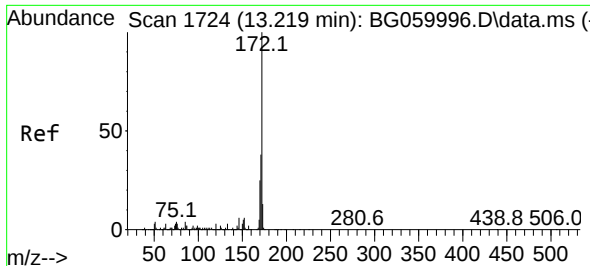
Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

141 18.7 14.3 21.5

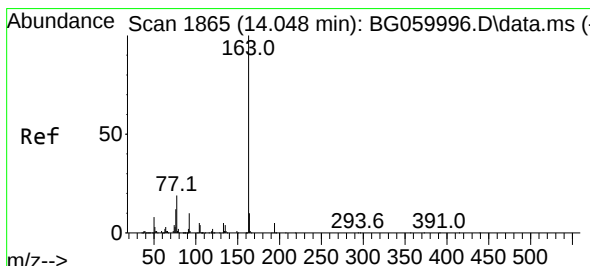
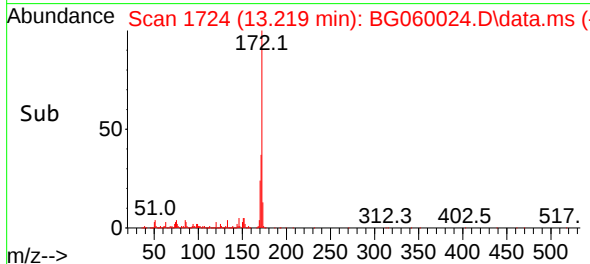
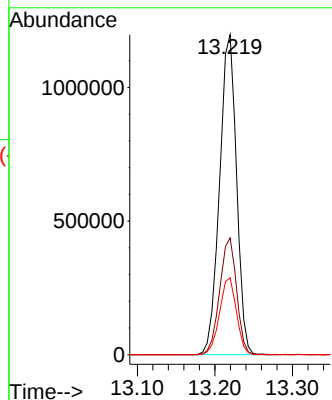
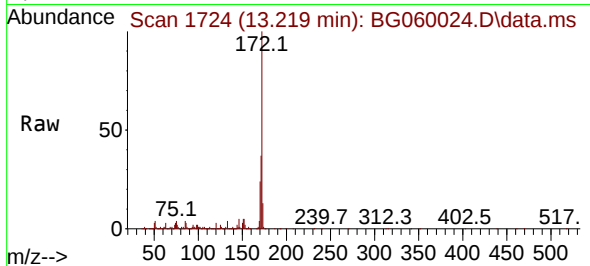




#45
2-Fluorobiphenyl
Concen: 85.458 ng
RT: 13.219 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

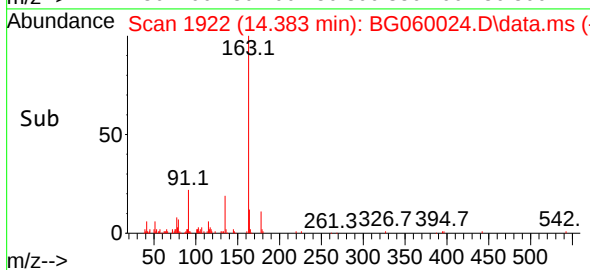
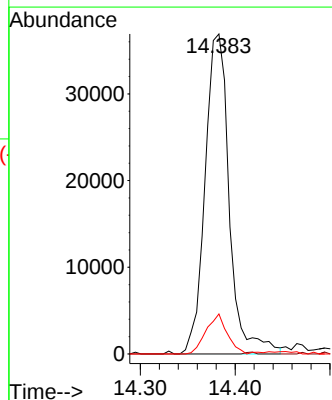
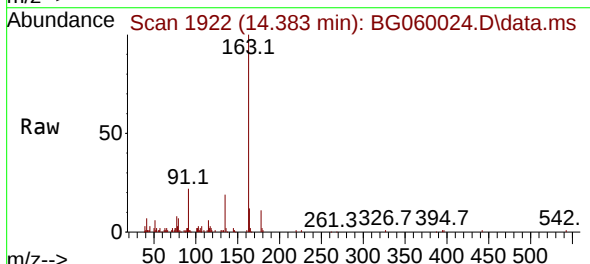
Instrument :
BNA_G
ClientSampleId :
MW-2

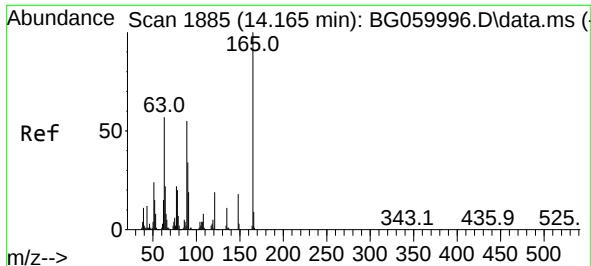
Tgt Ion:172 Resp: 1821748
Ion Ratio Lower Upper
172 100
171 36.5 30.1 45.1
170 24.0 20.0 30.0



#50
Dimethylphthalate
Concen: 3.237 ng
RT: 14.383 min Scan# 1922
Delta R.T. 0.335 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

Tgt Ion:163 Resp: 65560
Ion Ratio Lower Upper
163 100
194 0.0 3.7 5.5#
164 12.5 8.2 12.4#

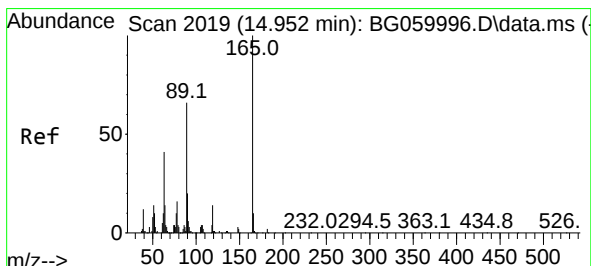
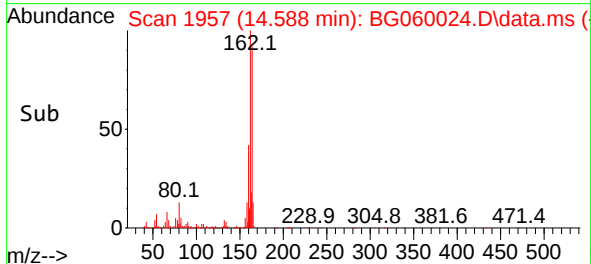
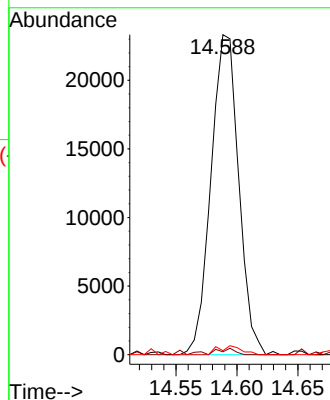
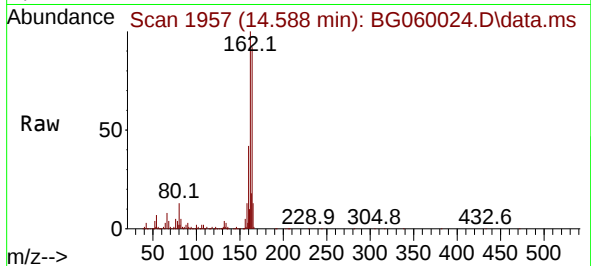




#51
2,6-Dinitrotoluene
Concen: 8.804 ng
RT: 14.588 min Scan# 1957
Delta R.T. 0.423 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

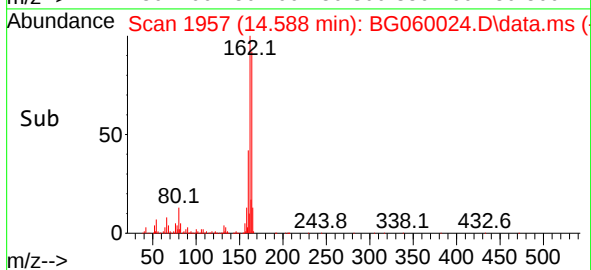
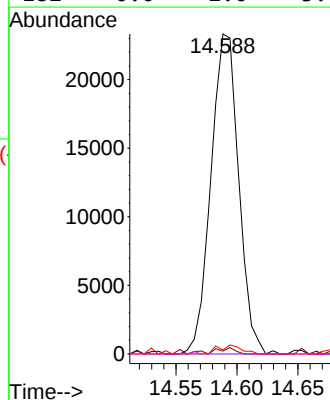
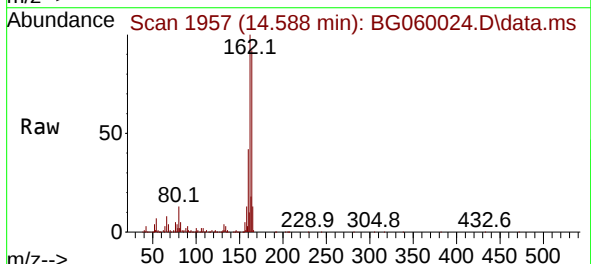
Instrument :
BNA_G
ClientSampleId :
MW-2

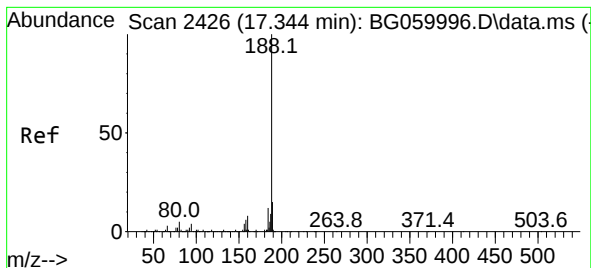
Tgt Ion:165 Resp: 36932
Ion Ratio Lower Upper
165 100
63 0.9 48.2 72.2#
89 1.3 44.4 66.6#



#57
2,4-Dinitrotoluene
Concen: 6.263 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.364 min
Lab File: BG060024.D
Acq: 14 Dec 2023 23:05

Tgt Ion:165 Resp: 36932
Ion Ratio Lower Upper
165 100
63 0.9 32.8 49.2#
89 1.3 53.0 79.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.338 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

Instrument :

BNA_G

ClientSampleId :

MW-2

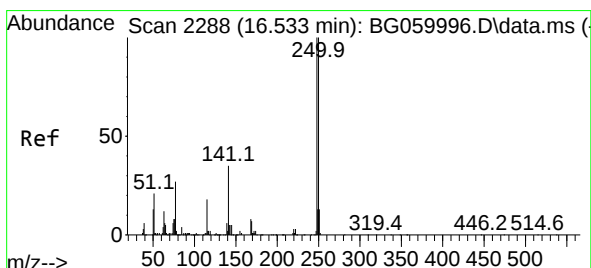
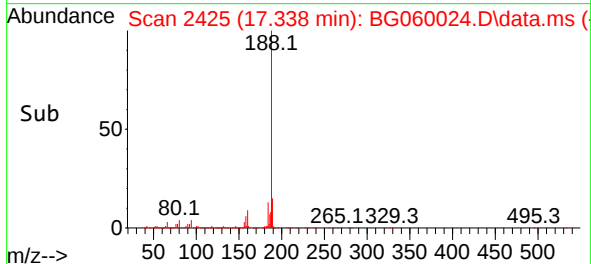
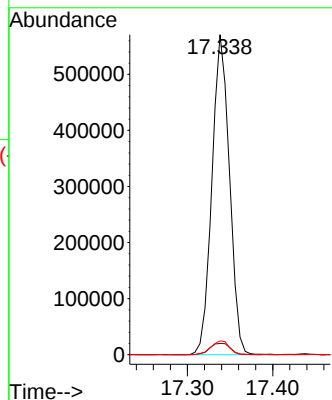
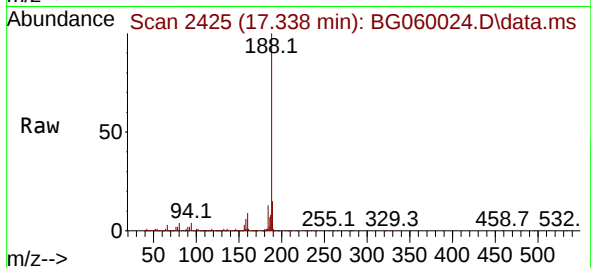
Tgt Ion:188 Resp: 812743

Ion Ratio Lower Upper

188 100

94 3.5 3.0 4.6

80 4.3 4.0 6.0



#67

4-Bromophenyl-phenylether

Concen: 4.815 ng

RT: 16.081 min Scan# 2211

Delta R.T. -0.452 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

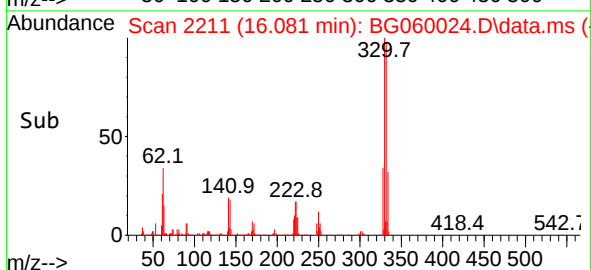
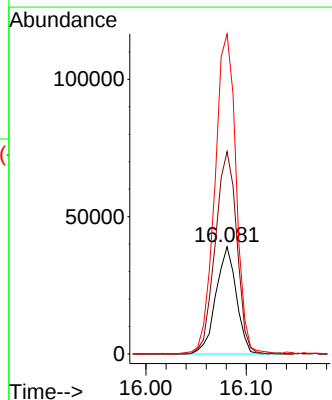
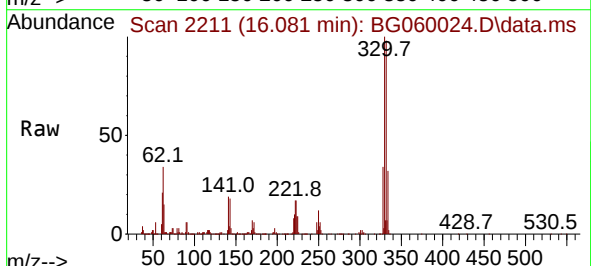
Tgt Ion:248 Resp: 55214

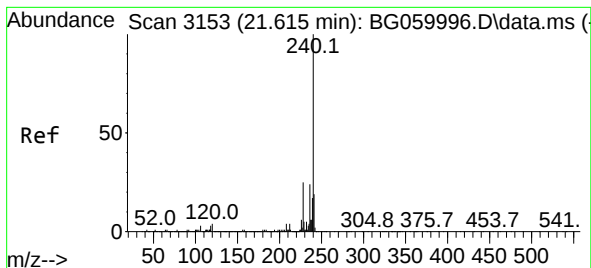
Ion Ratio Lower Upper

248 100

250 188.8 79.9 119.9#

141 298.4 28.3 42.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3153

Delta R.T. -0.006 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

Instrument :

BNA_G

ClientSampleId :

MW-2

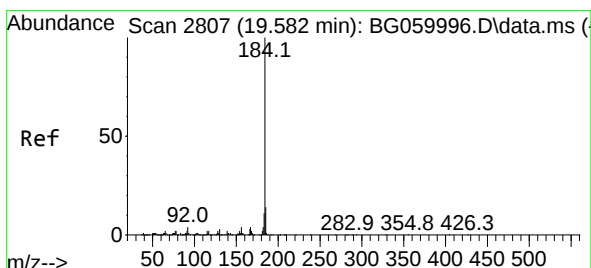
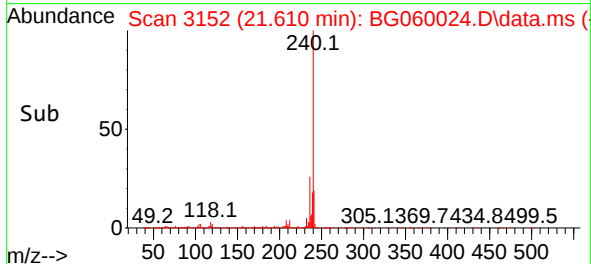
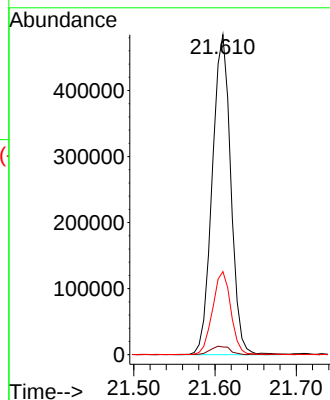
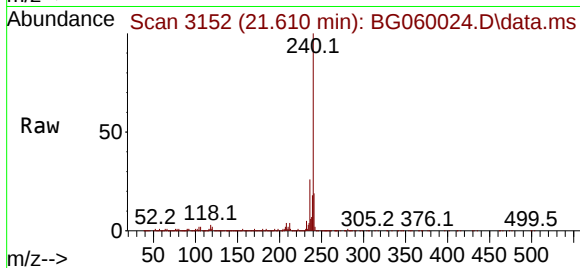
Tgt Ion:240 Resp: 767736

Ion Ratio Lower Upper

240 100

120 2.4 2.9 4.3#

236 26.0 19.4 29.2



#77

Benzidine

Concen: 6.941 ng

RT: 19.965 min Scan# 2872

Delta R.T. 0.382 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

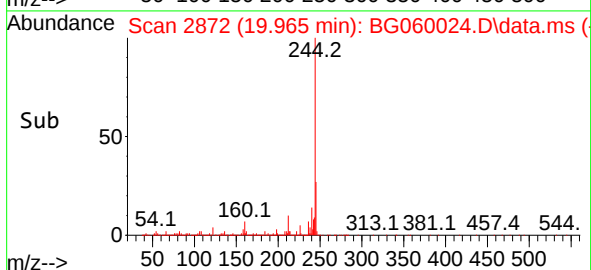
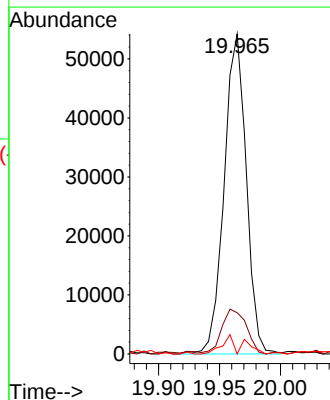
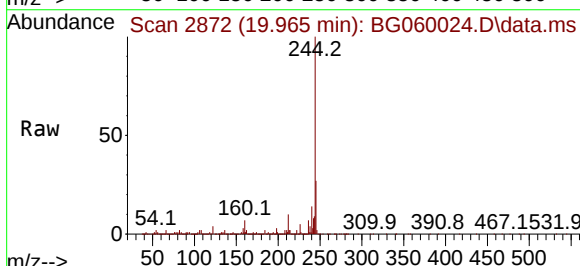
Tgt Ion:184 Resp: 68444

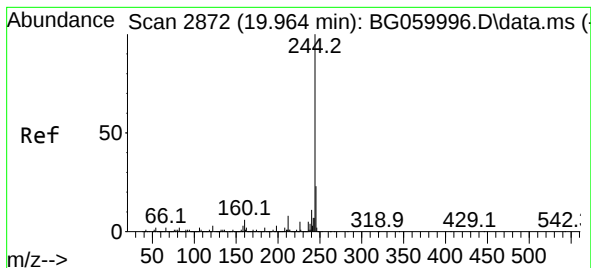
Ion Ratio Lower Upper

184 100

185 12.9 11.1 16.7

183 0.0 9.0 13.4#





#79

Terphenyl-d14

Concen: 95.267 ng

RT: 19.965 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

Instrument :

BNA_G

ClientSampleId :

MW-2

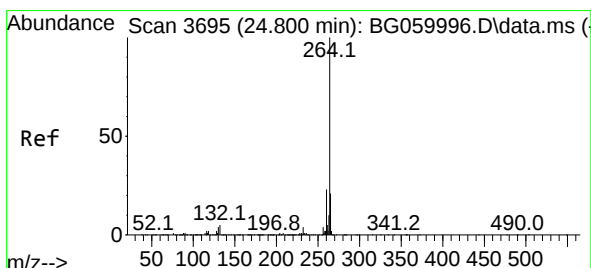
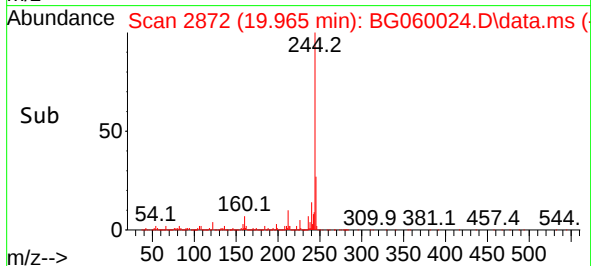
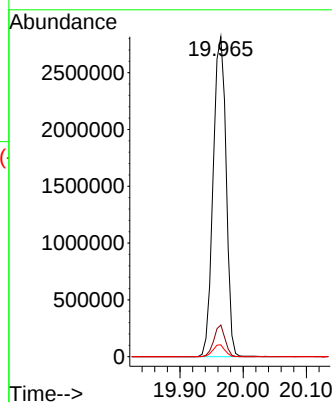
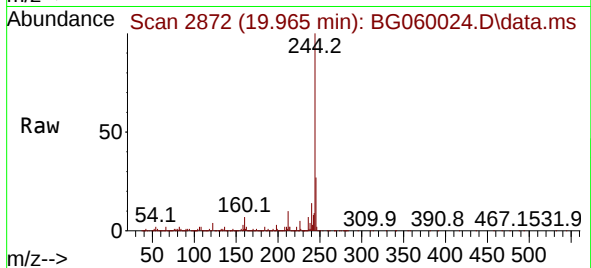
Tgt Ion:244 Resp: 4006108

Ion Ratio Lower Upper

244 100

212 9.9 6.8 10.2

122 3.7 2.6 3.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.794 min Scan# 3694

Delta R.T. -0.006 min

Lab File: BG060024.D

Acq: 14 Dec 2023 23:05

Tgt Ion:264 Resp: 891118

Ion Ratio Lower Upper

264 100

260 25.1 18.5 27.7

265 22.2 17.3 25.9

