

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060026.D
 Acq On : 15 Dec 2023 00:26
 Operator : MA/JU
 Sample : 05670-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4B

Quant Time: Dec 15 02:41:27 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)

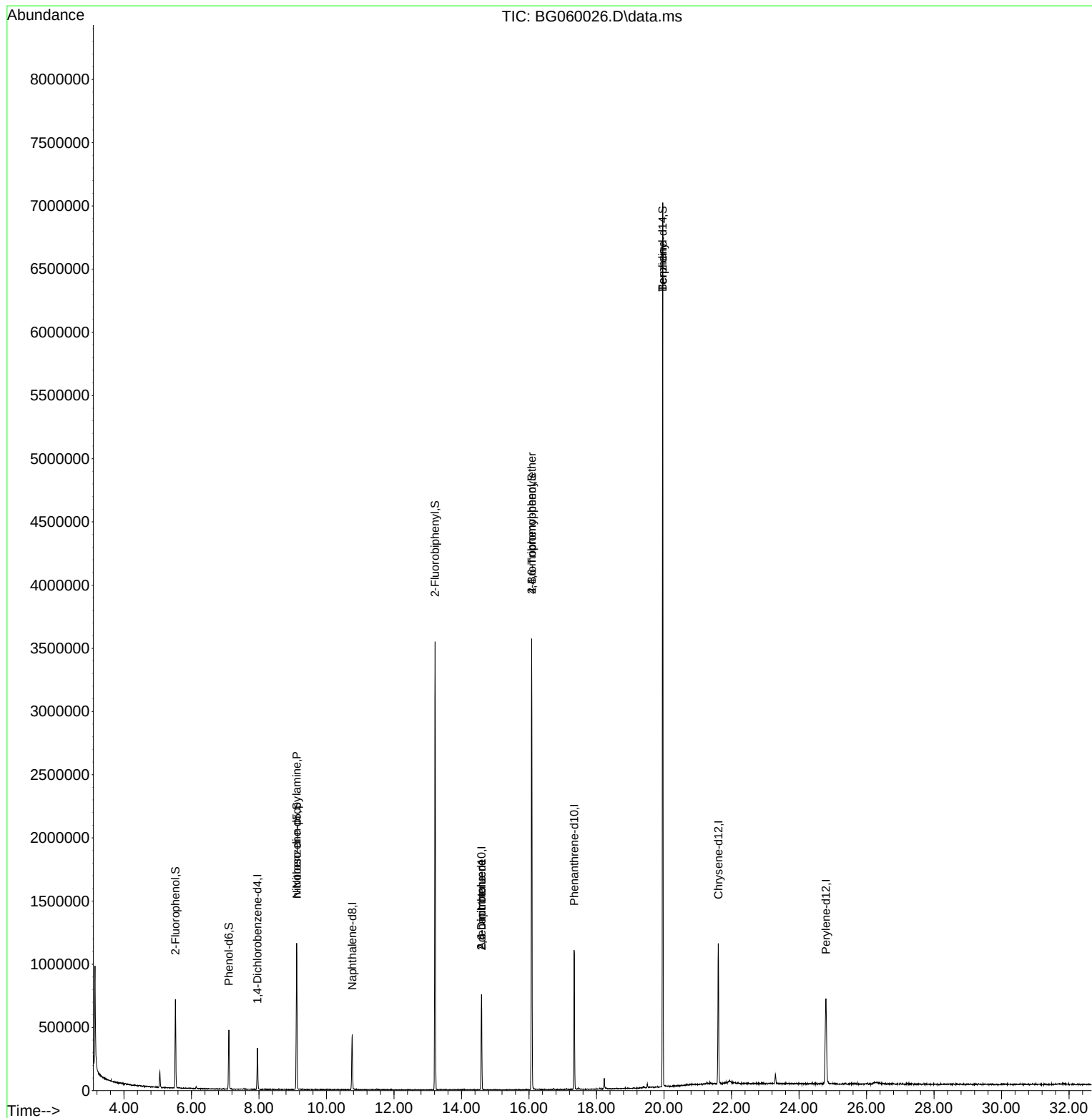
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	86004	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	336650	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	261400	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	785593	20.000	ng	0.00
76) Chrysene-d12	21.608	240	741808	20.000	ng	0.00
86) Perylene-d12	24.798	264	868349	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	271137	53.968	ng	0.00
7) Phenol-d6	7.107	99	244268	34.564	ng	0.00
23) Nitrobenzene-d5	9.116	82	657073	88.628	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	846726	138.994	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1880117	88.029	ng	0.00
79) Terphenyl-d14	19.963	244	3626742	89.260	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.116	70	94123	20.643	ng	# 80
51) 2,6-Dinitrotoluene	14.592	165	37565	8.937	ng	# 24
57) 2,4-Dinitrotoluene	14.592	165	37565	6.358	ng	# 28
67) 4-Bromophenyl-phenylether	16.079	248	53259	4.805	ng	# 1
69) Atrazine	16.743	200	231	Below Cal		70
77) Benzidine	19.963	184	58223	6.111	ng	# 94

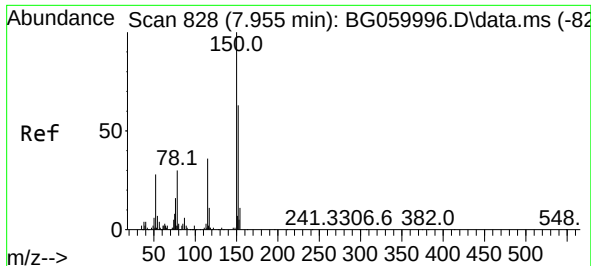
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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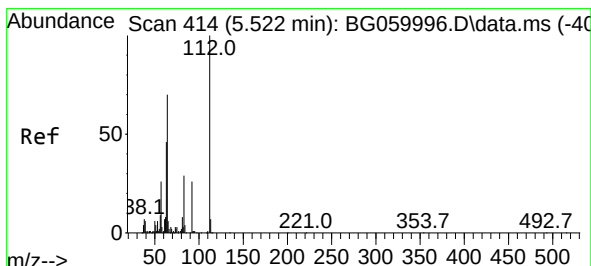
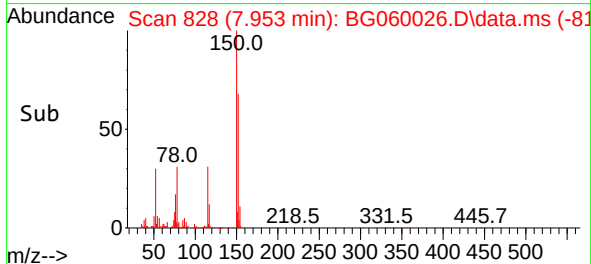
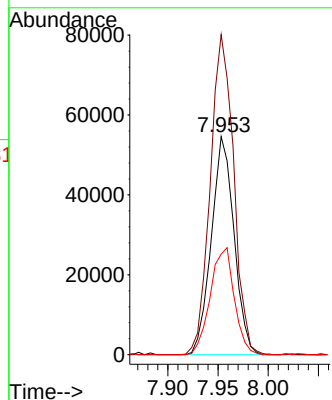
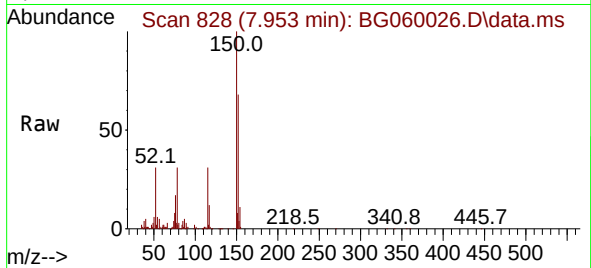




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.953 min Scan# 81
 Delta R.T. -0.002 min
 Lab File: BG060026.D
 Acq: 15 Dec 2023 00:26

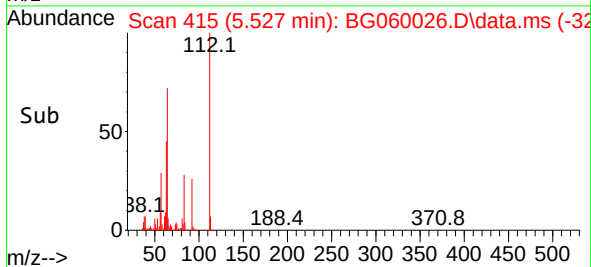
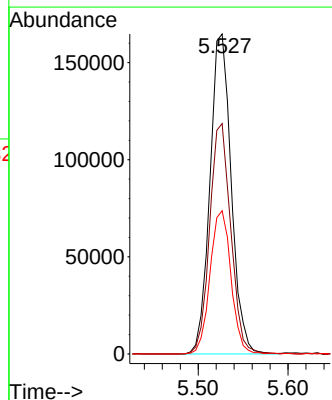
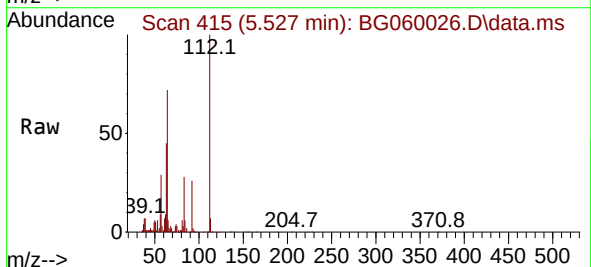
Instrument :
 BNA_G
 ClientSampleId :
 MW-4B

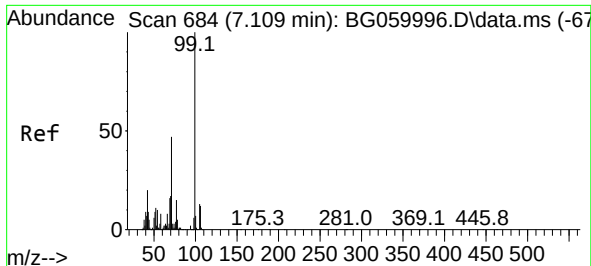
Tgt Ion:152 Resp: 86004
 Ion Ratio Lower Upper
 152 100
 150 146.8 127.0 190.6
 115 46.1 45.7 68.5



#5
 2-Fluorophenol
 Concen: 53.968 ng
 RT: 5.527 min Scan# 415
 Delta R.T. 0.005 min
 Lab File: BG060026.D
 Acq: 15 Dec 2023 00:26

Tgt Ion:112 Resp: 271137
 Ion Ratio Lower Upper
 112 100
 64 72.0 55.9 83.9
 63 44.7 36.5 54.7

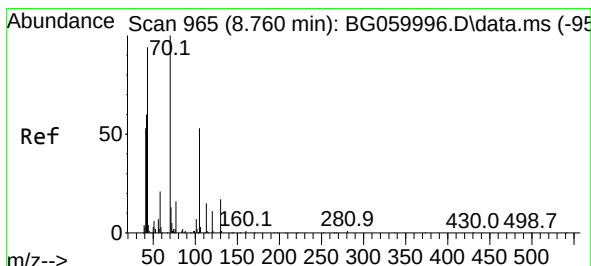
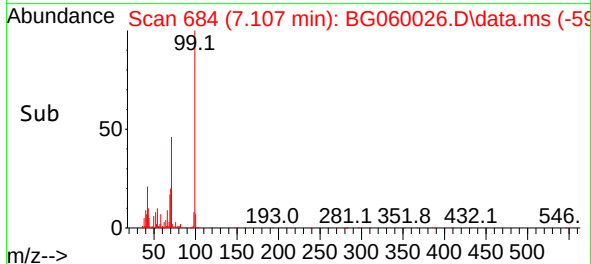
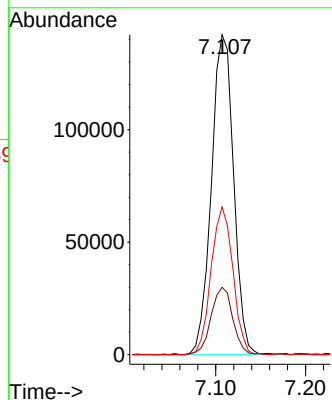
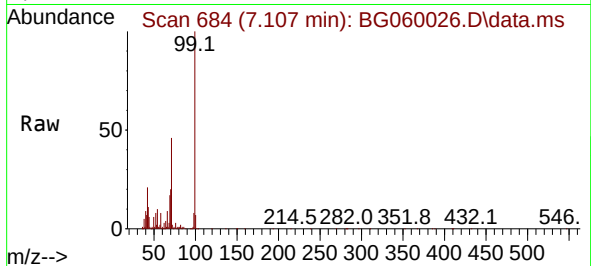




#7
Phenol-d6
Concen: 34.564 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

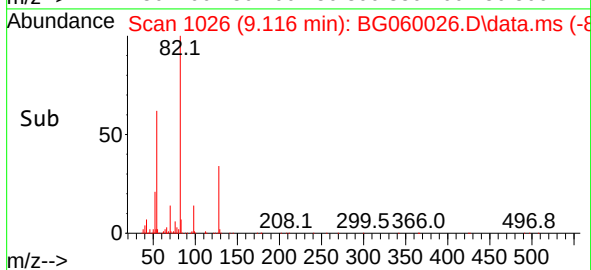
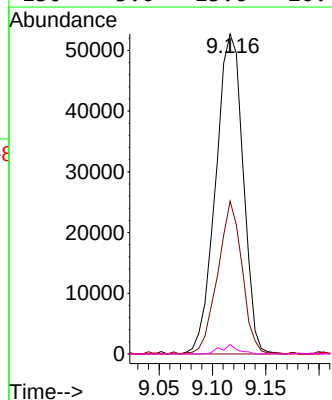
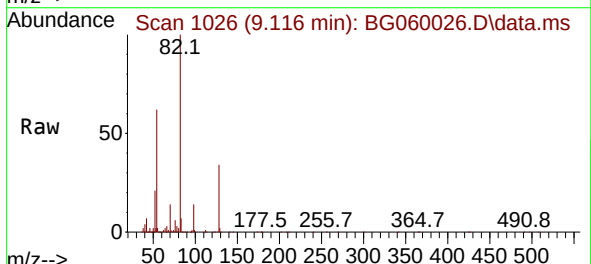
Instrument :
BNA_G
ClientSampleId :
MW-4B

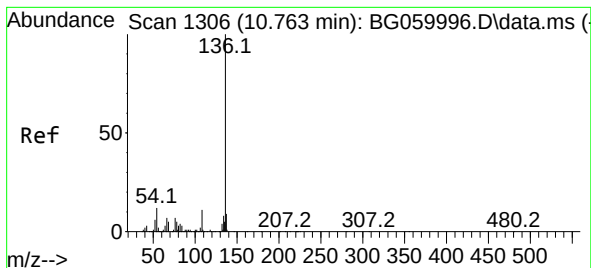
Tgt Ion: 99 Resp: 244268
Ion Ratio Lower Upper
99 100
42 21.1 16.2 24.4
71 46.1 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 20.643 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

Tgt Ion: 70 Resp: 94123
Ion Ratio Lower Upper
70 100
42 47.7 48.6 73.0#
101 0.0 5.7 8.5#
130 3.0 13.6 20.4#

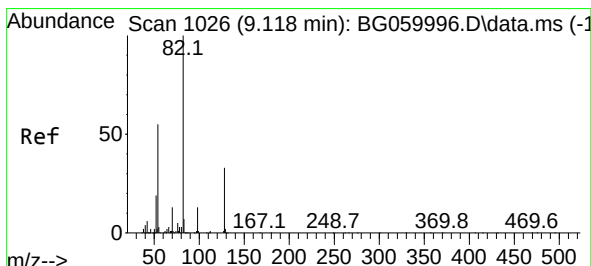
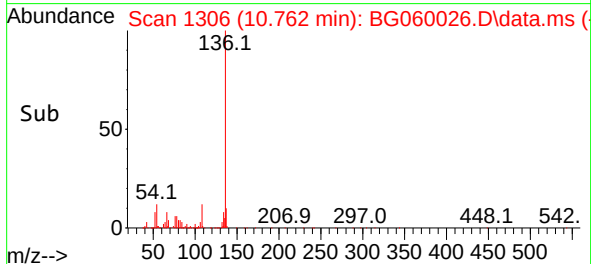
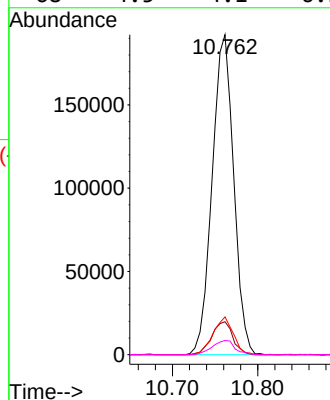
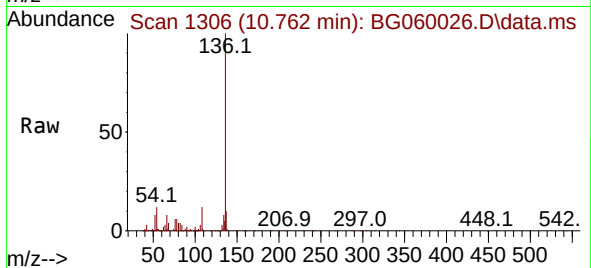




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

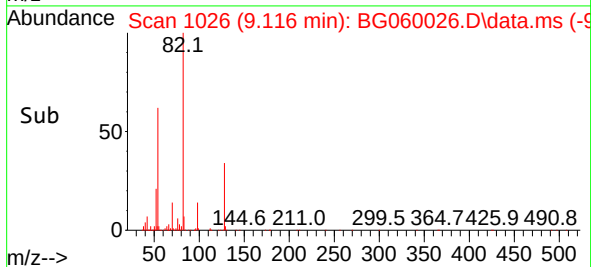
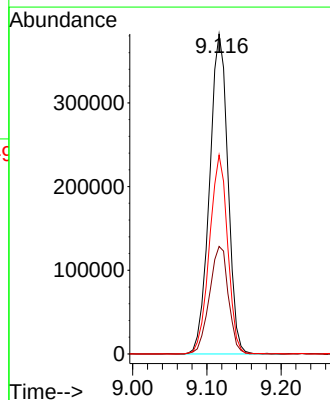
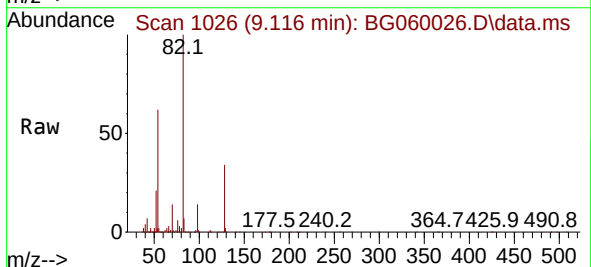
Instrument :
BNA_G
ClientSampleId :
MW-4B

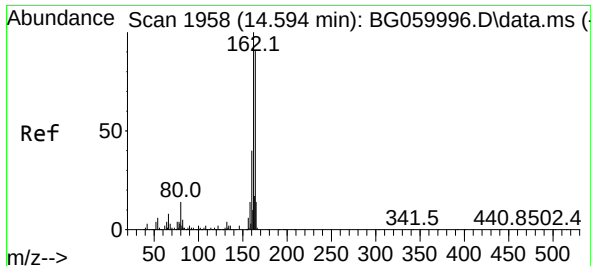
Tgt Ion:	136	Resp:	336650
Ion	Ratio	Lower	Upper
136	100		
137	10.3	7.3	10.9
54	11.8	9.6	14.4
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 88.628 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

Tgt Ion:	82	Resp:	657073
Ion	Ratio	Lower	Upper
82	100		
128	33.6	26.3	39.5
54	62.1	44.3	66.5

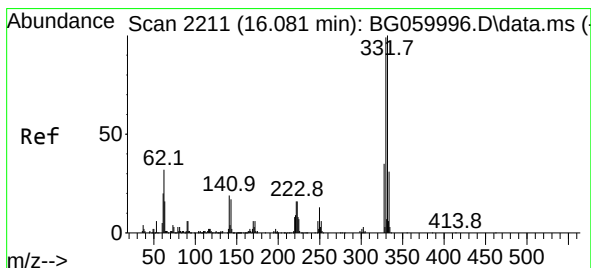
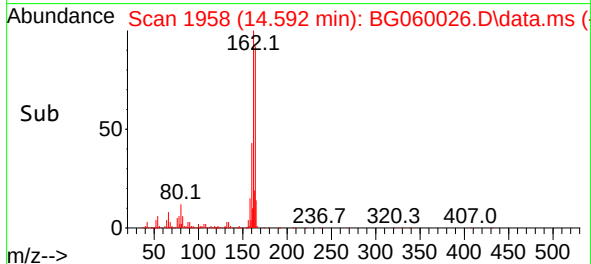
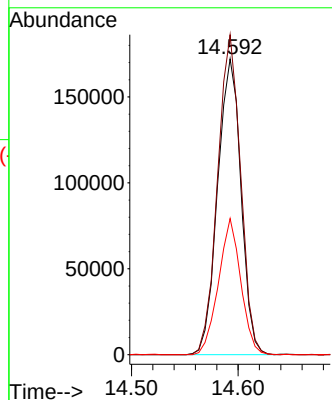
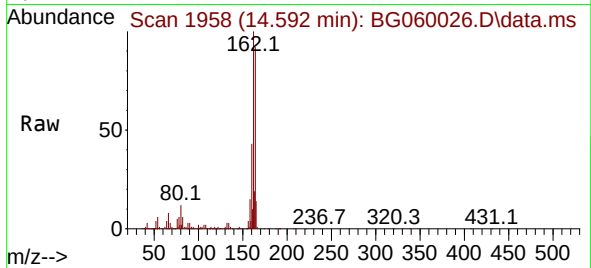




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

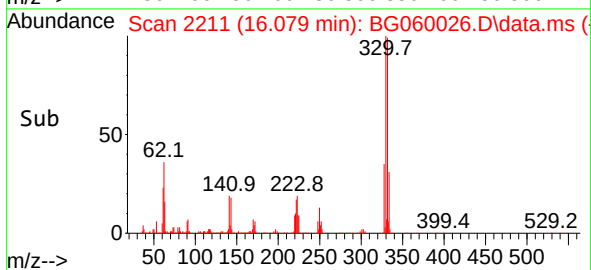
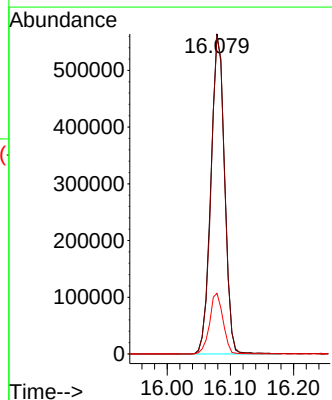
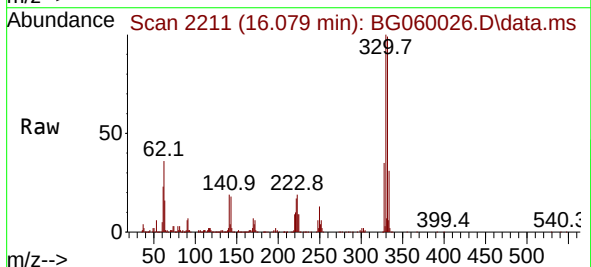
Instrument :
BNA_G
ClientSampleId :
MW-4B

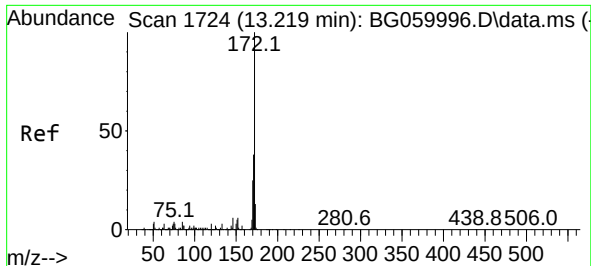
Tgt Ion:164 Resp: 261400
Ion Ratio Lower Upper
164 100
162 108.1 88.1 132.1
160 46.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 138.994 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

Tgt Ion:330 Resp: 846726
Ion Ratio Lower Upper
330 100
332 98.7 76.2 114.4
141 18.6 14.3 21.5

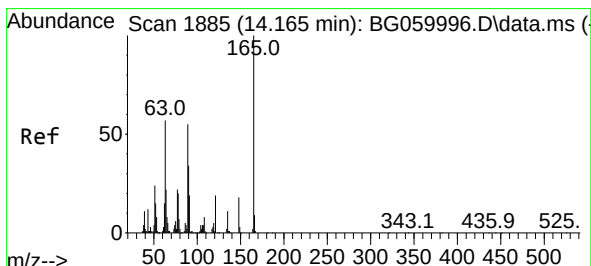
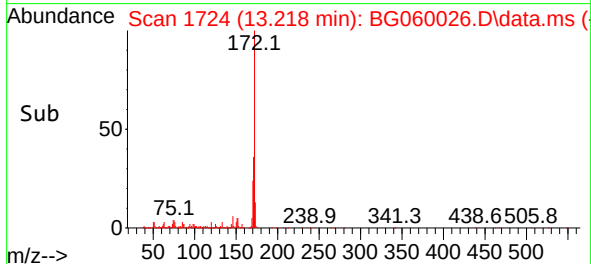
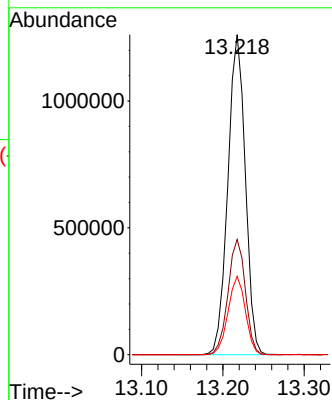
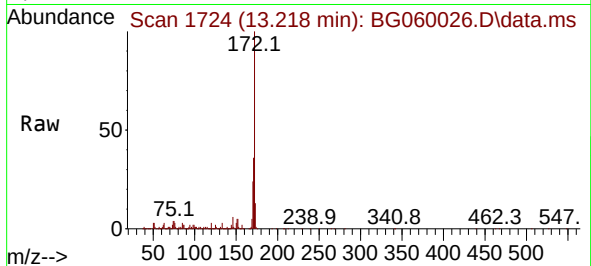




#45
2-Fluorobiphenyl
Concen: 88.029 ng
RT: 13.218 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

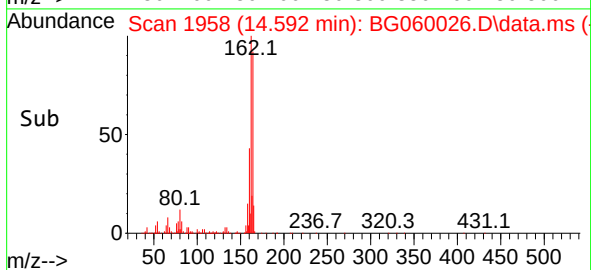
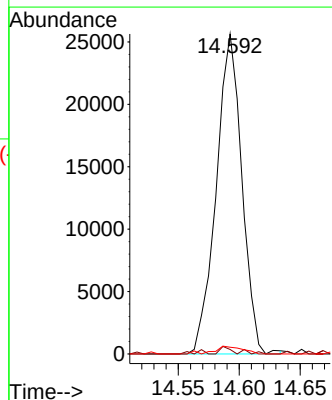
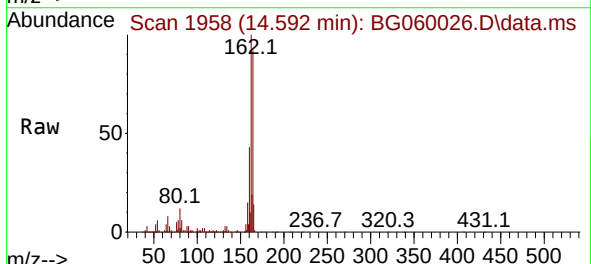
Instrument :
BNA_G
ClientSampleId :
MW-4B

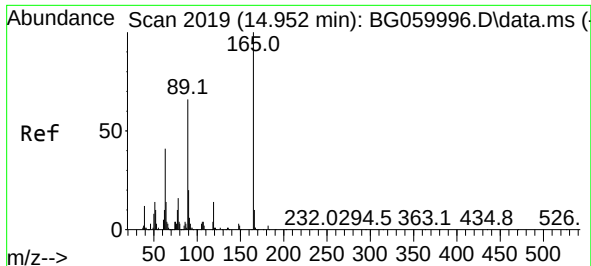
Tgt Ion:172 Resp: 1880117
Ion Ratio Lower Upper
172 100
171 36.0 30.1 45.1
170 24.5 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.937 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.427 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

Tgt Ion:165 Resp: 37565
Ion Ratio Lower Upper
165 100
63 1.4 48.2 72.2#
89 2.1 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 6.358 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.360 min

Lab File: BG060026.D

Acq: 15 Dec 2023 00:26

Instrument :

BNA_G

ClientSampleId :

MW-4B

Tgt Ion:165 Resp: 37565

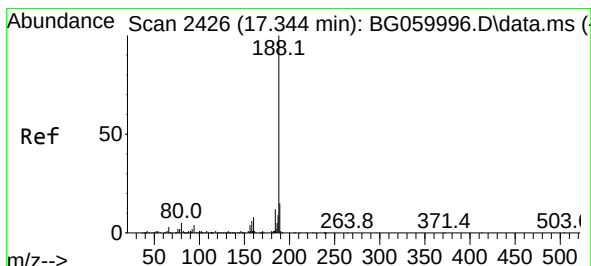
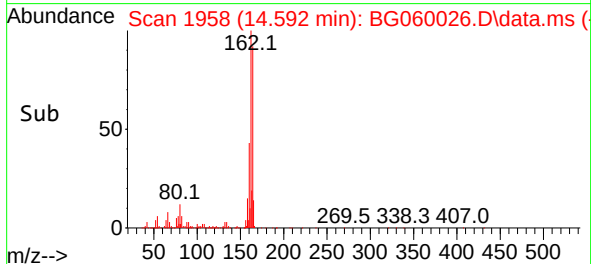
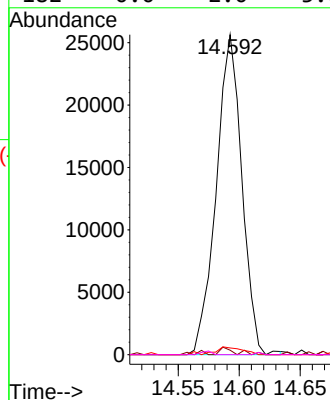
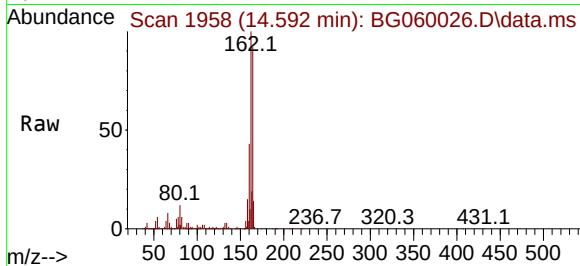
Ion Ratio Lower Upper

165 100

63 1.4 32.8 49.2#

89 2.1 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.336 min Scan# 2425

Delta R.T. -0.008 min

Lab File: BG060026.D

Acq: 15 Dec 2023 00:26

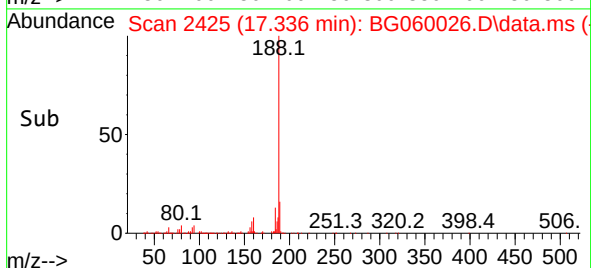
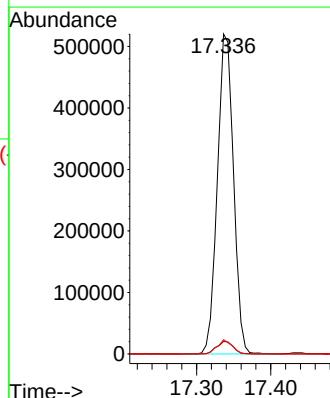
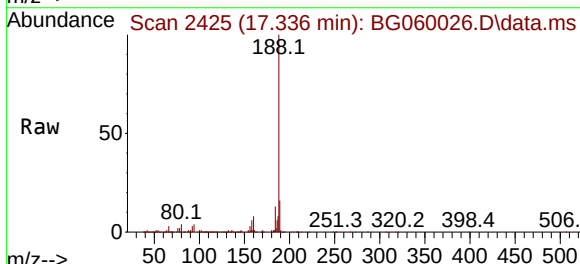
Tgt Ion:188 Resp: 785593

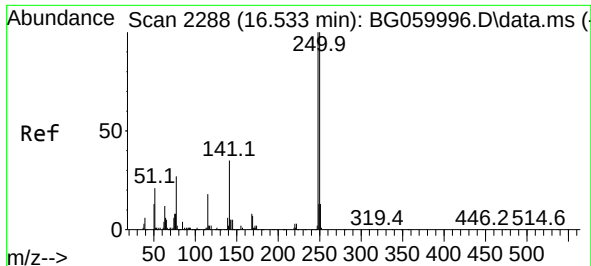
Ion Ratio Lower Upper

188 100

94 3.9 3.0 4.6

80 4.5 4.0 6.0

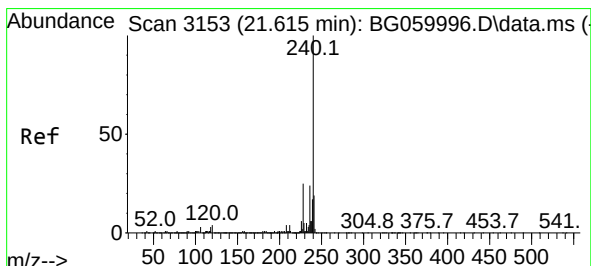
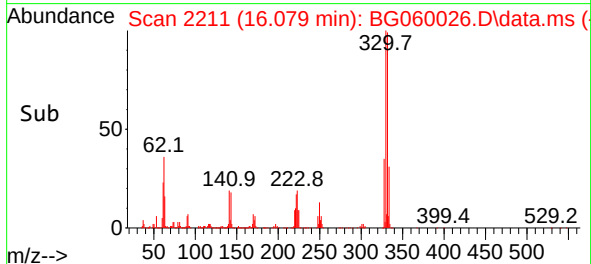
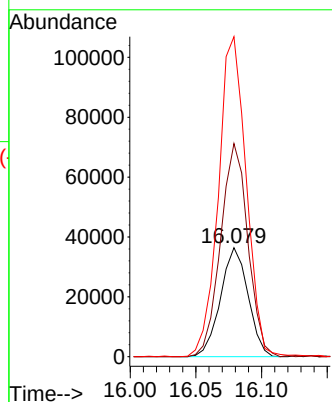
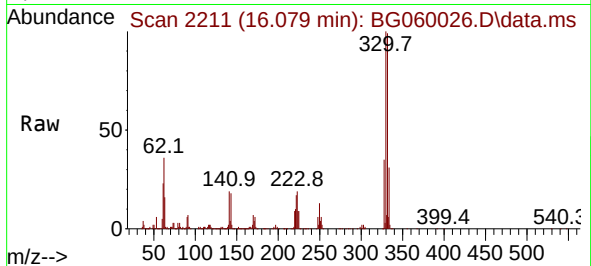




#67
4-Bromophenyl-phenylether
Concen: 4.805 ng
RT: 16.079 min Scan# 211
Delta R.T. -0.454 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

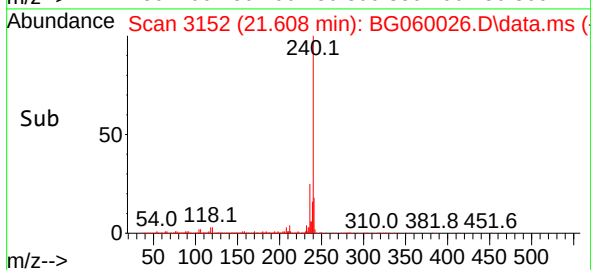
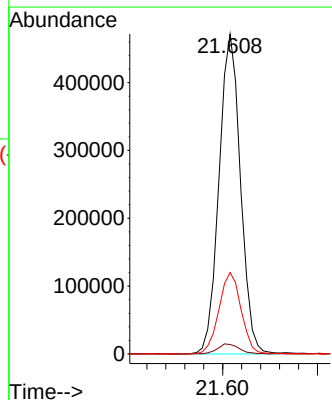
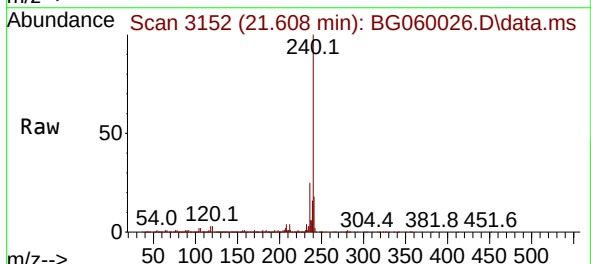
Instrument :
BNA_G
ClientSampleId :
MW-4B

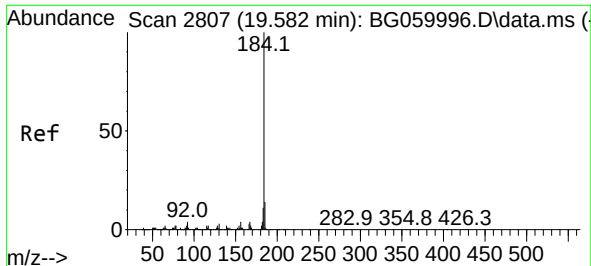
Tgt Ion:248 Resp: 53259
Ion Ratio Lower Upper
248 100
250 195.7 79.9 119.9#
141 293.8 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

Tgt Ion:240 Resp: 741808
Ion Ratio Lower Upper
240 100
120 3.0 2.9 4.3
236 25.4 19.4 29.2

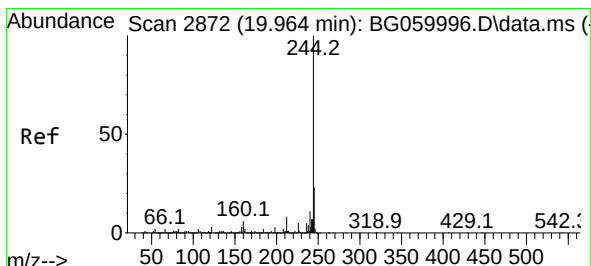
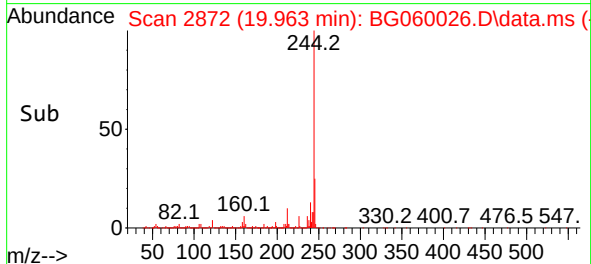
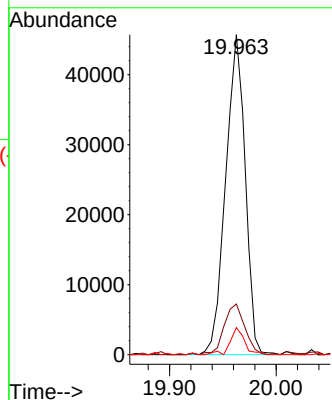
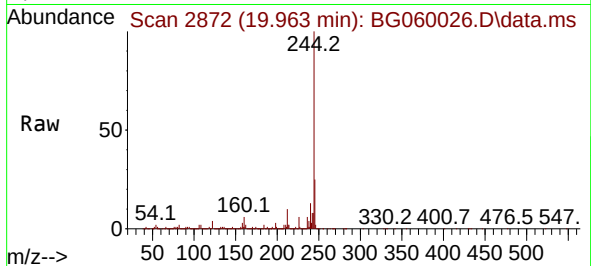




#77
Benzidine
Concen: 6.111 ng
RT: 19.963 min Scan# 2872
Delta R.T. 0.380 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

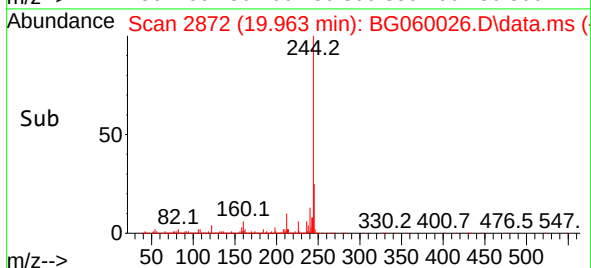
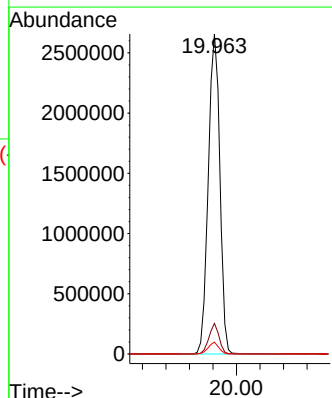
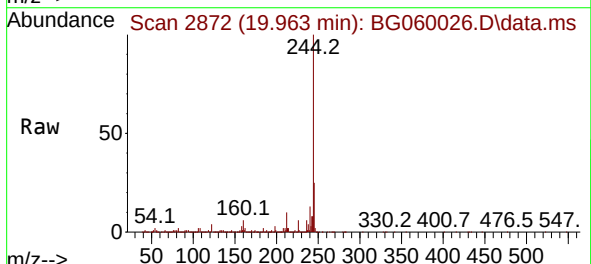
Instrument :
BNA_G
ClientSampleId :
MW-4B

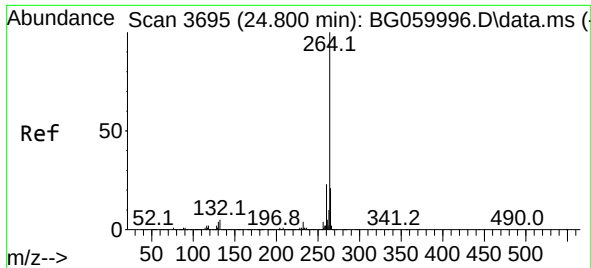
Tgt Ion:184 Resp: 58223
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 8.4 9.0 13.4#



#79
Terphenyl-d14
Concen: 89.260 ng
RT: 19.963 min Scan# 2872
Delta R.T. -0.002 min
Lab File: BG060026.D
Acq: 15 Dec 2023 00:26

Tgt Ion:244 Resp: 3626742
Ion Ratio Lower Upper
244 100
212 9.6 6.8 10.2
122 3.7 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG060026.D
 Acq: 15 Dec 2023 00:26

Instrument :
 BNA_G
 ClientSampleId :
 MW-4B

Tgt Ion:264 Resp: 868349

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	20.1	17.3	25.9

