

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060025.D
 Acq On : 14 Dec 2023 23:46
 Operator : MA/JU
 Sample : 05632-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RW1

Quant Time: Dec 15 02:40:54 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)

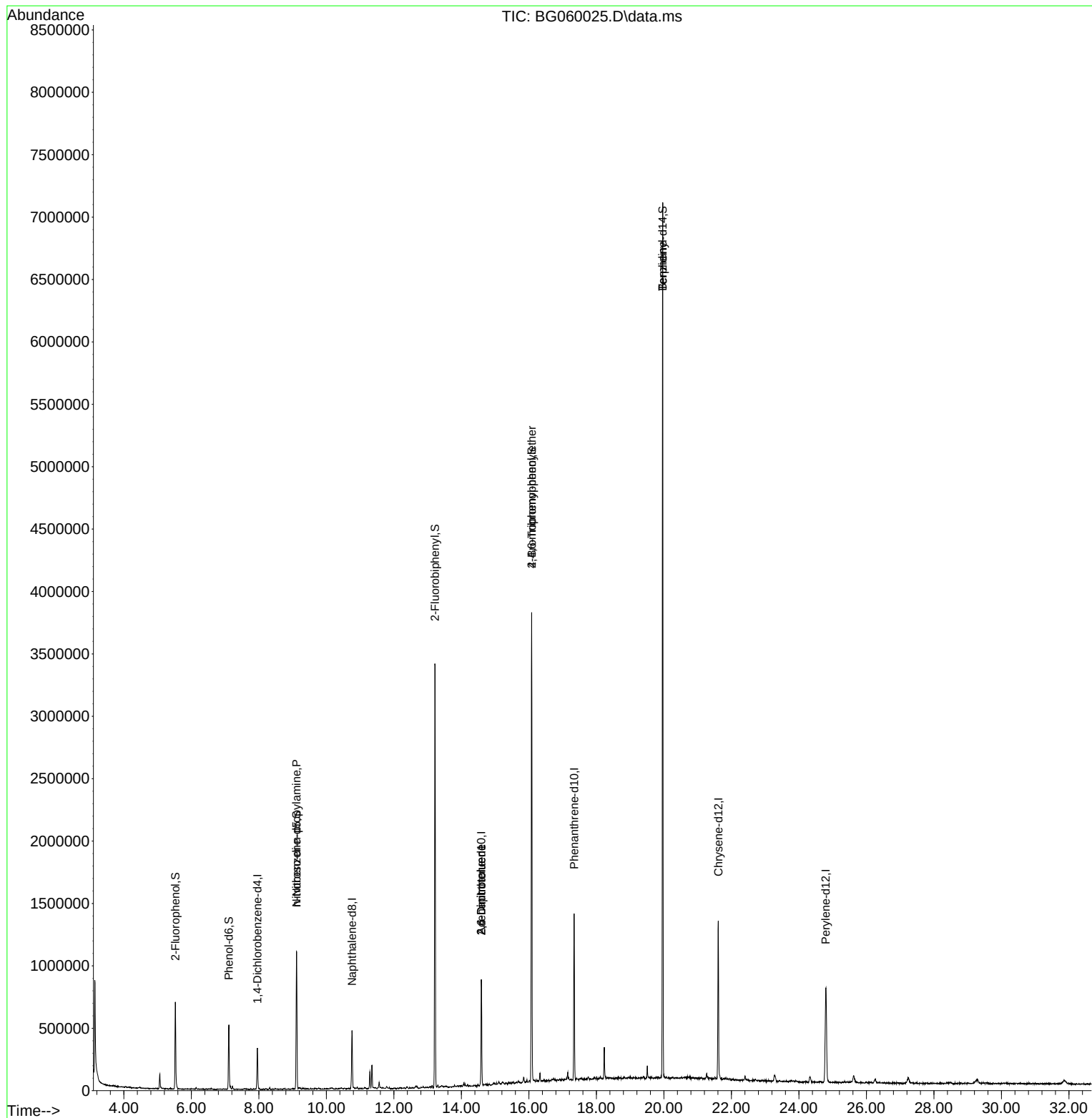
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	94783	20.000	ng	0.00
21) Naphthalene-d8	10.759	136	361432	20.000	ng	0.00
39) Acenaphthene-d10	14.589	164	286316	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	912769	20.000	ng	# 0.00
76) Chrysene-d12	21.611	240	813252	20.000	ng	0.00
86) Perylene-d12	24.795	264	966743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	290717	52.506	ng	0.00
7) Phenol-d6	7.110	99	269138	34.556	ng	0.00
23) Nitrobenzene-d5	9.113	82	660477	82.978	ng	0.00
42) 2,4,6-Tribromophenol	16.082	330	915705	137.236	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	1897961	81.131	ng	0.00
79) Terphenyl-d14	19.965	244	3815888	85.665	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.113	70	93189	18.545	ng	# 71
51) 2,6-Dinitrotoluene	14.589	165	40058	8.701	ng	# 25
57) 2,4-Dinitrotoluene	14.589	165	40058	6.190	ng	# 28
67) 4-Bromophenyl-phenylether	16.082	248	55670	4.323	ng	# 1
69) Atrazine	16.793	200	992	Below Cal		# 19
77) Benzidine	19.965	184	65357	6.257	ng	# 91

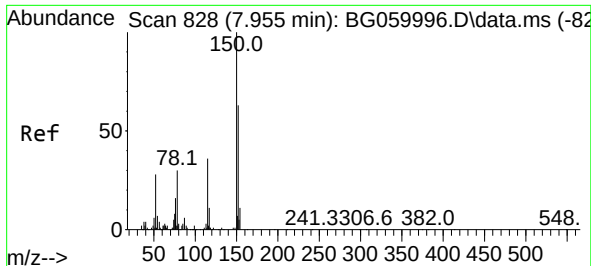
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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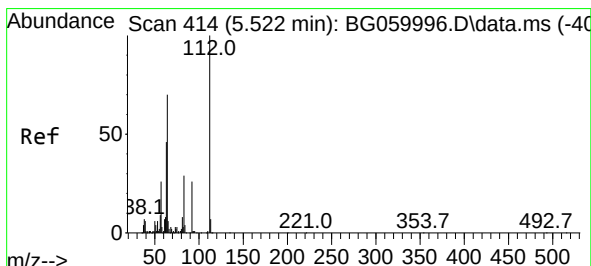
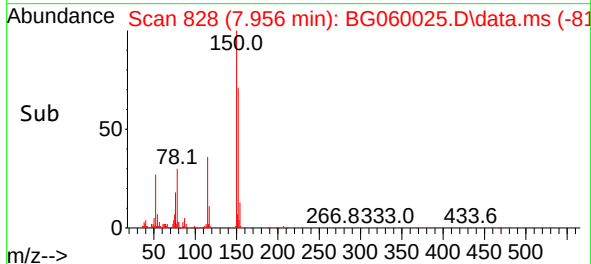
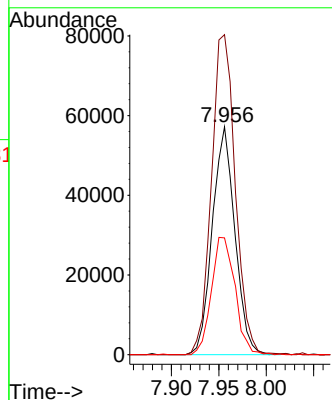
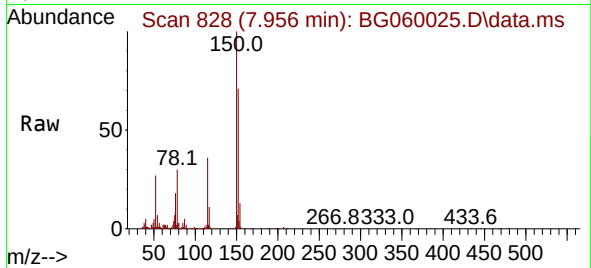




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.956 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BG060025.D
 Acq: 14 Dec 2023 23:46

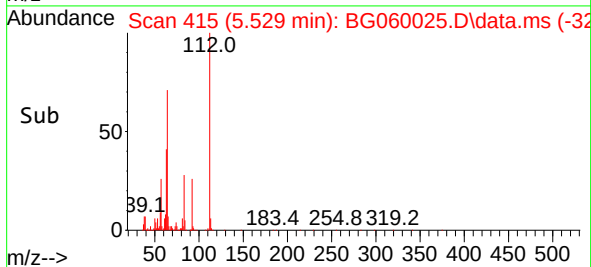
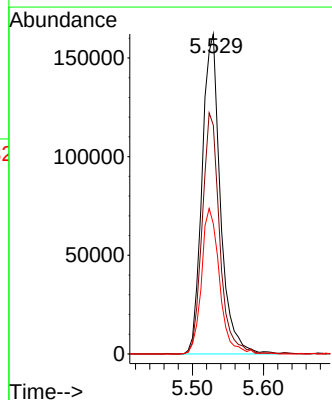
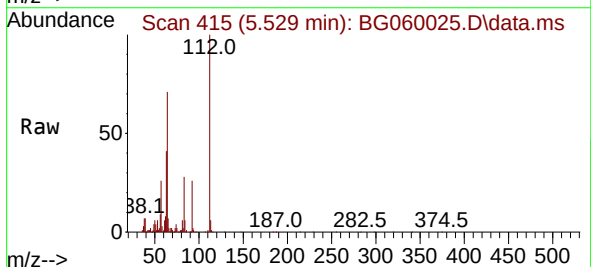
Instrument :
 BNA_G
 ClientSampleId :
 RW1

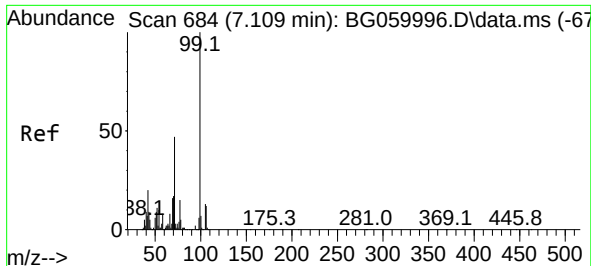
Tgt Ion:152 Resp: 94783
 Ion Ratio Lower Upper
 152 100
 150 140.5 127.0 190.6
 115 51.3 45.7 68.5



#5
 2-Fluorophenol
 Concen: 52.506 ng
 RT: 5.529 min Scan# 415
 Delta R.T. 0.007 min
 Lab File: BG060025.D
 Acq: 14 Dec 2023 23:46

Tgt Ion:112 Resp: 290717
 Ion Ratio Lower Upper
 112 100
 64 71.5 55.9 83.9
 63 40.7 36.5 54.7

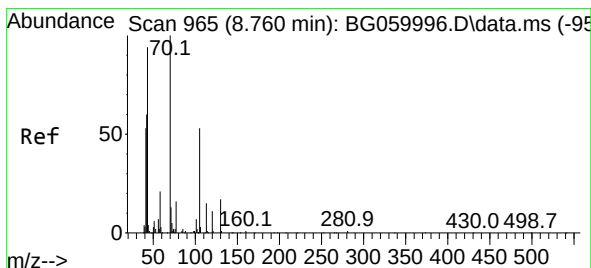
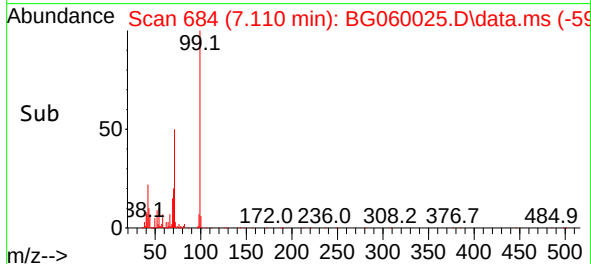
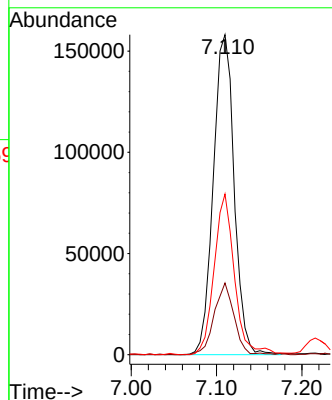
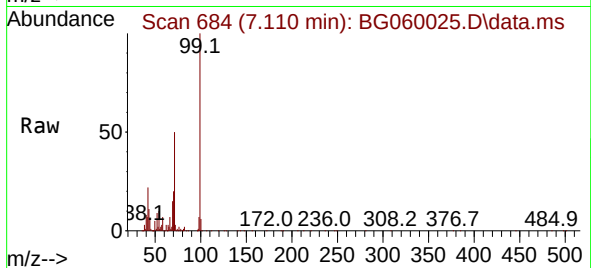




#7
Phenol-d6
Concen: 34.556 ng
RT: 7.110 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

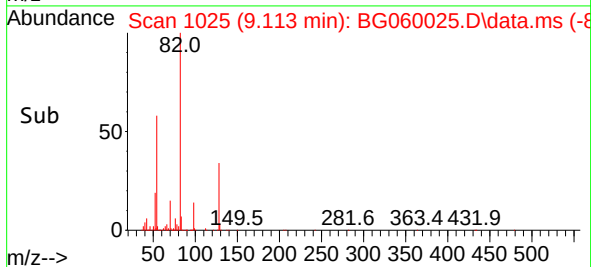
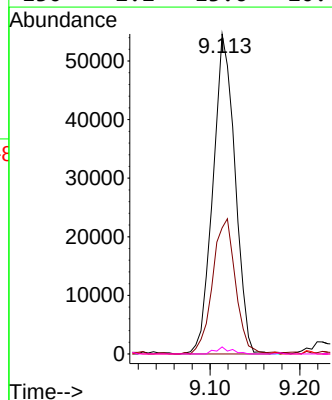
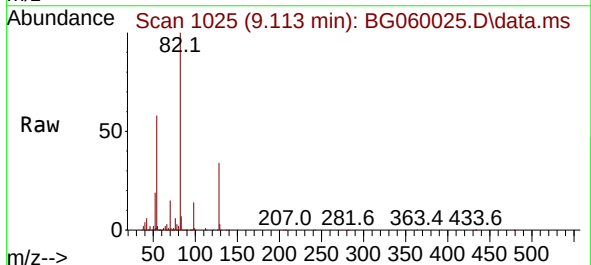
Instrument :
BNA_G
ClientSampleId :
RW1

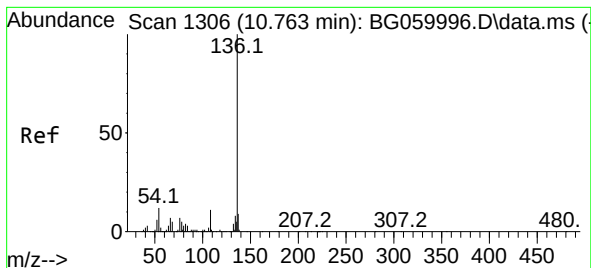
Tgt Ion: 99 Resp: 269138
Ion Ratio Lower Upper
99 100
42 22.4 16.2 24.4
71 50.2 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.545 ng
RT: 9.113 min Scan# 1025
Delta R.T. 0.354 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

Tgt Ion: 70 Resp: 93189
Ion Ratio Lower Upper
70 100
42 39.4 48.6 73.0#
101 0.0 5.7 8.5#
130 2.2 13.6 20.4#

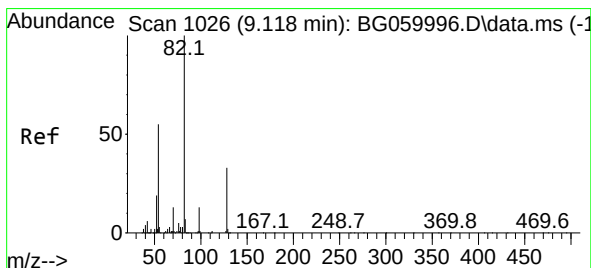
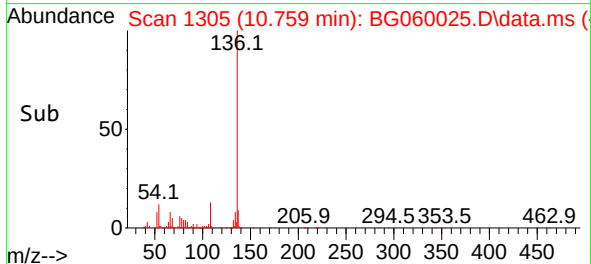
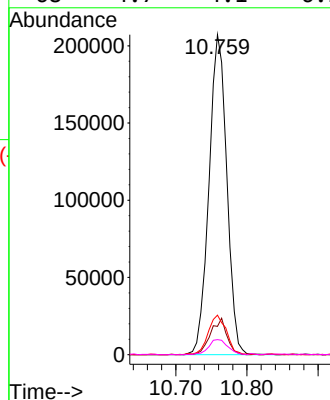
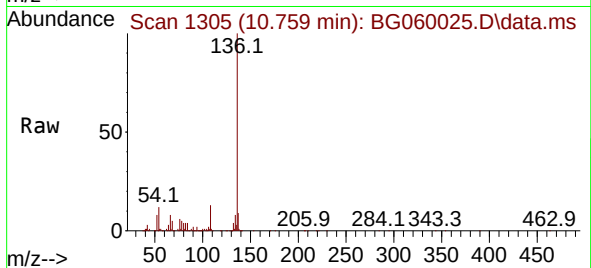




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.759 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

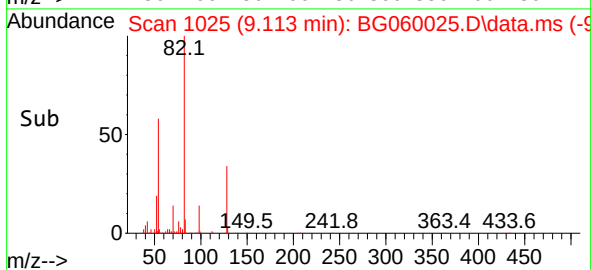
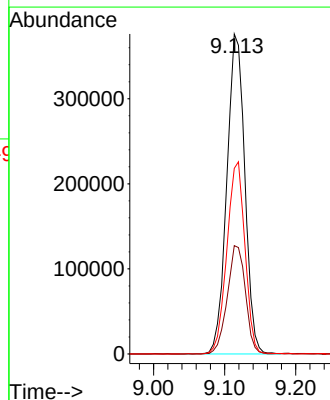
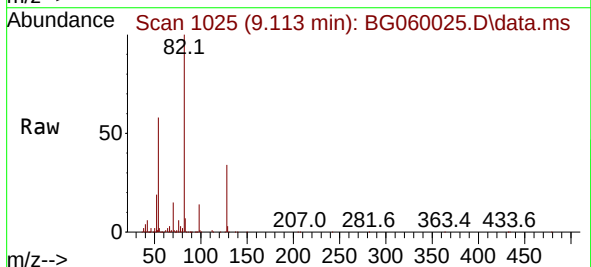
Instrument :
BNA_G
ClientSampleId :
RW1

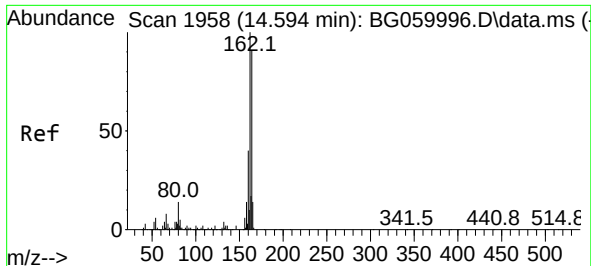
Tgt Ion:	136	Resp:	361432
Ion Ratio	Lower	Upper	
136	100		
137	8.8	7.3	10.9
54	12.4	9.6	14.4
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 82.978 ng
RT: 9.113 min Scan# 1025
Delta R.T. -0.005 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

Tgt Ion:	82	Resp:	660477
Ion Ratio	Lower	Upper	
82	100		
128	33.9	26.3	39.5
54	58.0	44.3	66.5

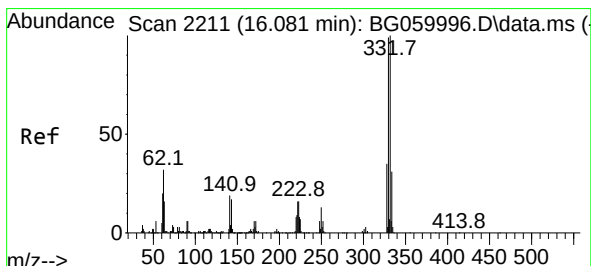
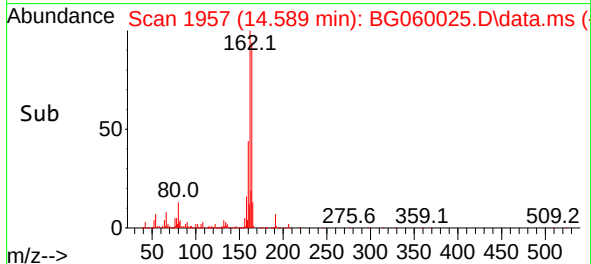
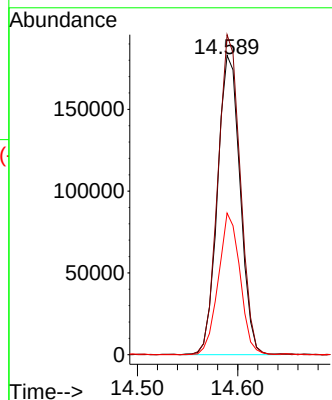
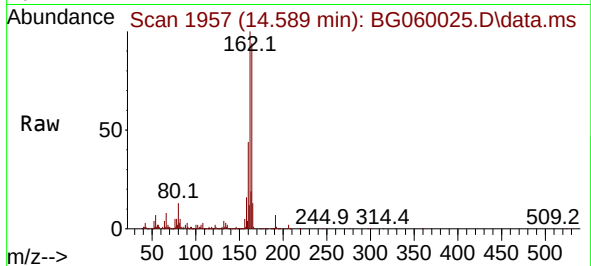




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

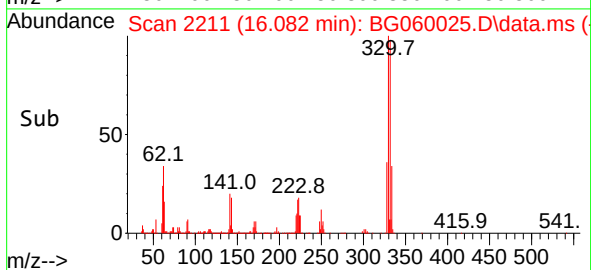
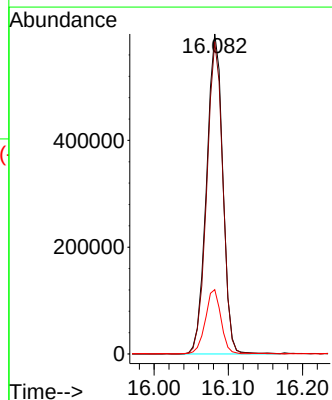
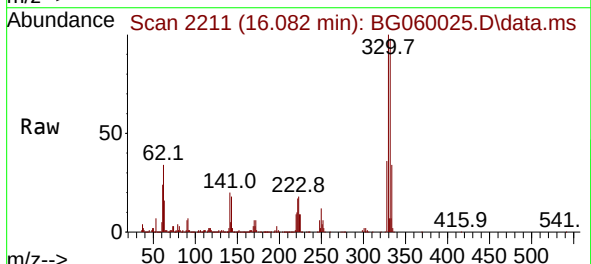
Instrument :
BNA_G
ClientSampleId :
RW1

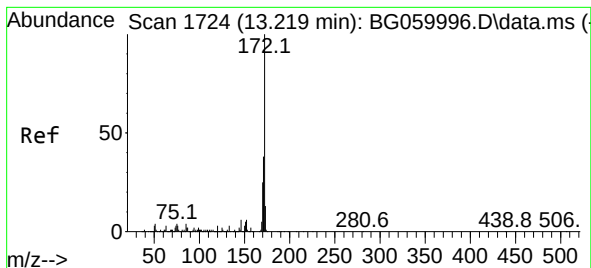
Tgt Ion:164 Resp: 286316
Ion Ratio Lower Upper
164 100
162 106.9 88.1 132.1
160 47.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 137.236 ng
RT: 16.082 min Scan# 2211
Delta R.T. 0.001 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

Tgt Ion:330 Resp: 915705
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 19.1 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 81.131 ng

RT: 13.220 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG060025.D

Acq: 14 Dec 2023 23:46

Instrument :

BNA_G

ClientSampleId :

RW1

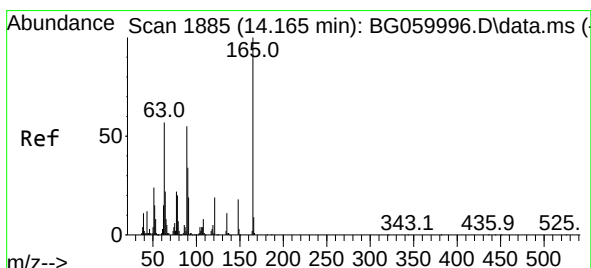
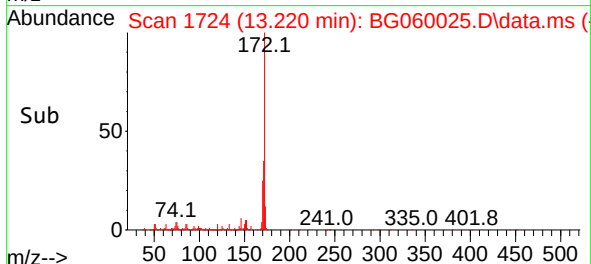
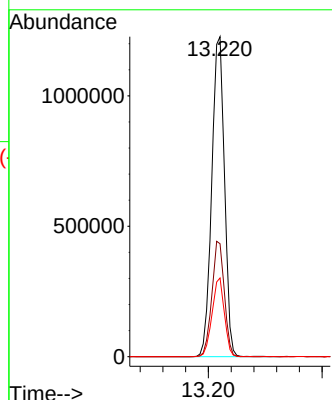
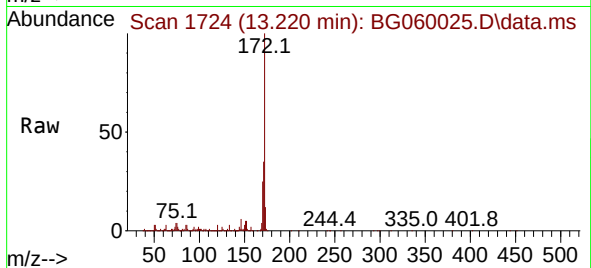
Tgt Ion:172 Resp: 1897961

Ion Ratio Lower Upper

172 100

171 35.3 30.1 45.1

170 24.6 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 8.701 ng

RT: 14.589 min Scan# 1957

Delta R.T. 0.424 min

Lab File: BG060025.D

Acq: 14 Dec 2023 23:46

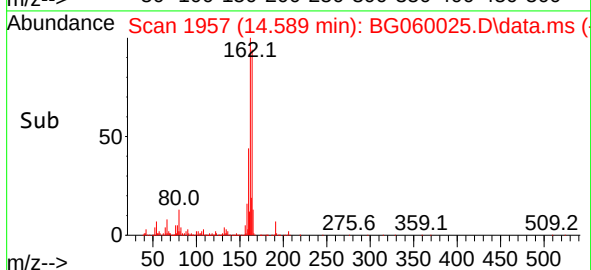
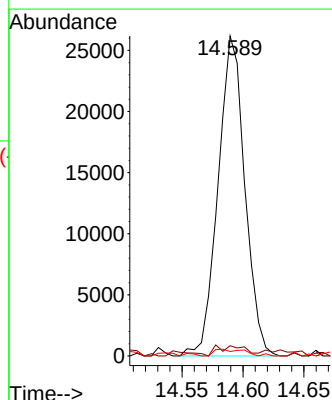
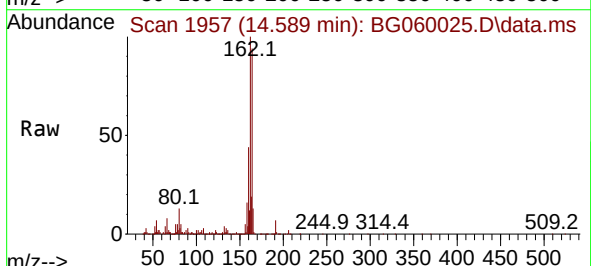
Tgt Ion:165 Resp: 40058

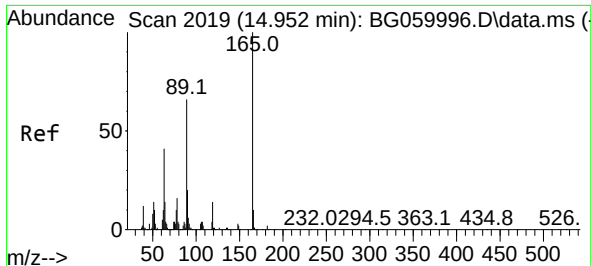
Ion Ratio Lower Upper

165 100

63 3.2 48.2 72.2#

89 1.4 44.4 66.6#

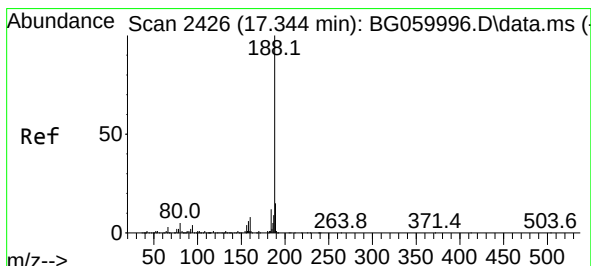
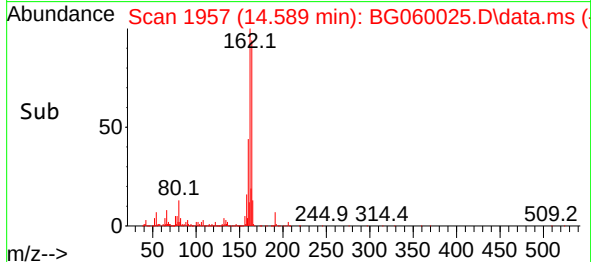
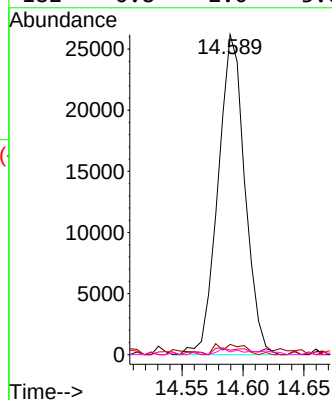
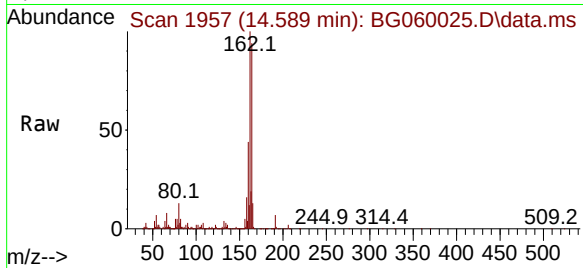




#57
2,4-Dinitrotoluene
Concen: 6.190 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.363 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

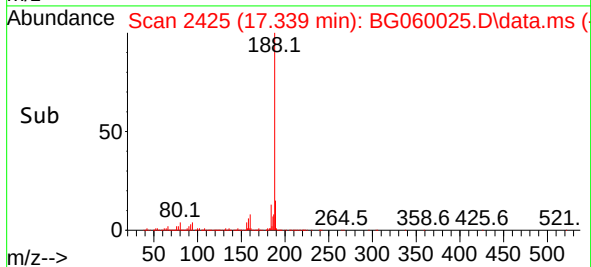
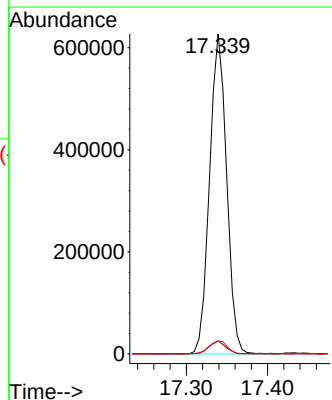
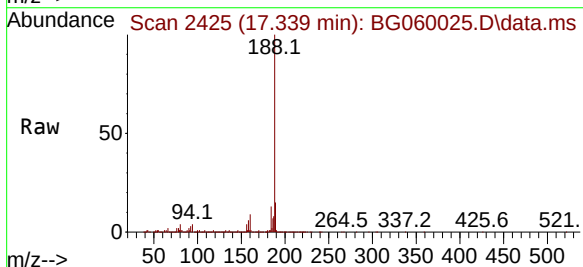
Instrument :
BNA_G
ClientSampleId :
RW1

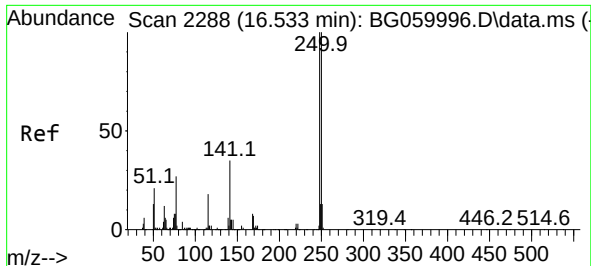
Tgt Ion:	165	Resp:	40058
Ion Ratio	Lower	Upper	
165	100		
63	3.2	32.8	49.2#
89	1.4	53.0	79.6#
182	0.8	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.005 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

Tgt Ion:	188	Resp:	912769
Ion Ratio	Lower	Upper	
188	100		
94	4.1	3.0	4.6
80	3.9	4.0	6.0#

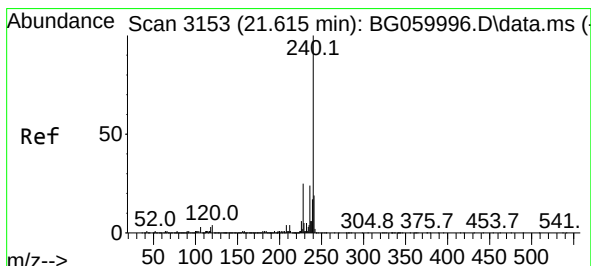
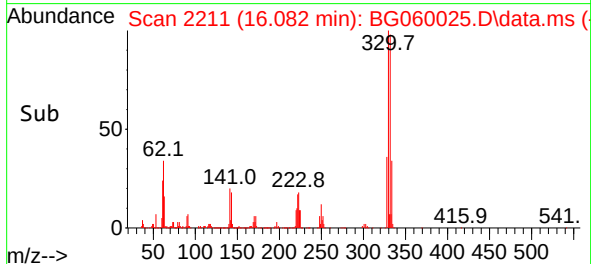
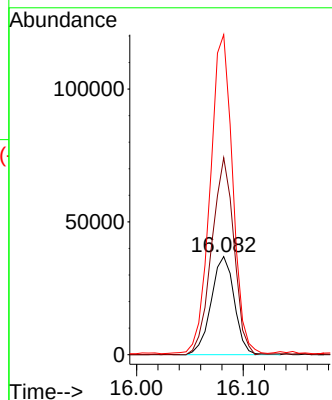
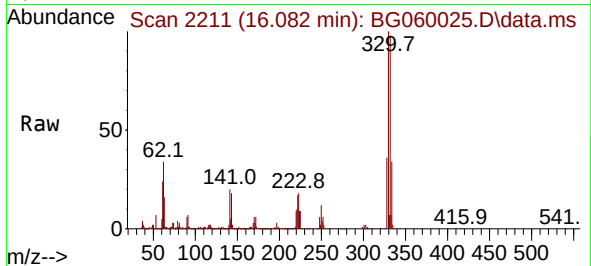




#67
4-Bromophenyl-phenylether
Concen: 4.323 ng
RT: 16.082 min Scan# 21
Delta R.T. -0.451 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

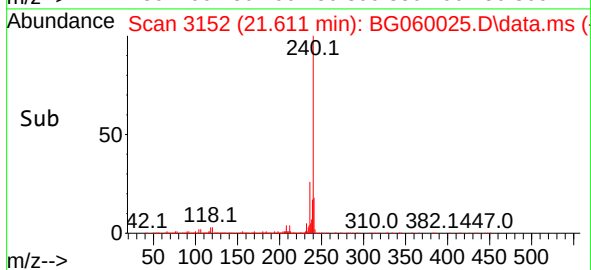
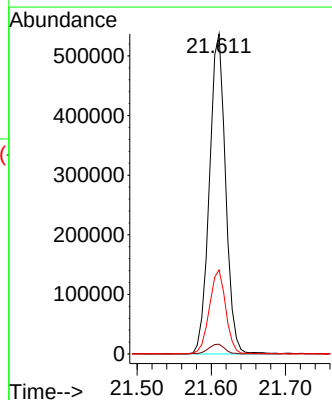
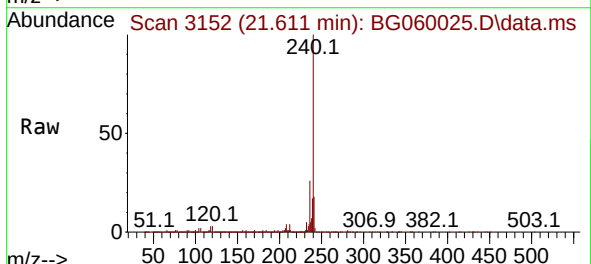
Instrument :
BNA_G
ClientSampleId :
RW1

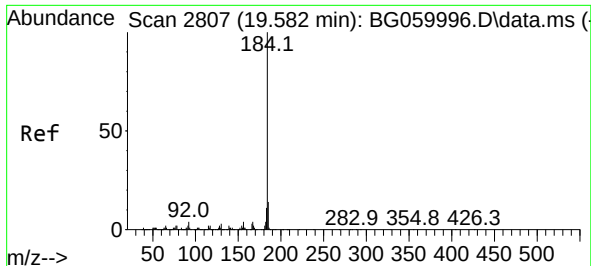
Tgt Ion:248 Resp: 55670
Ion Ratio Lower Upper
248 100
250 200.6 79.9 119.9#
141 326.0 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.611 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

Tgt Ion:240 Resp: 813252
Ion Ratio Lower Upper
240 100
120 3.1 2.9 4.3
236 26.3 19.4 29.2

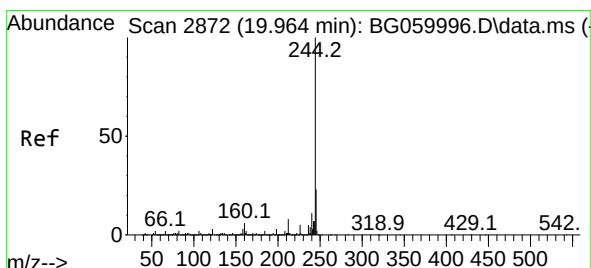
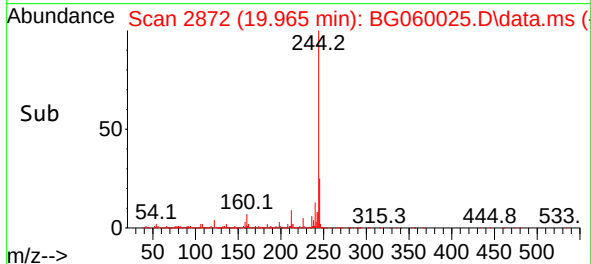
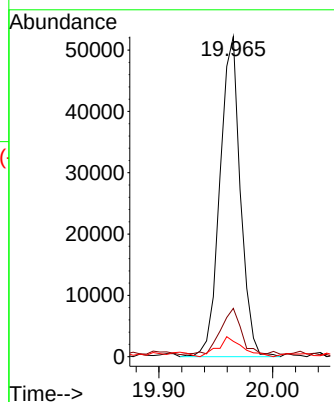
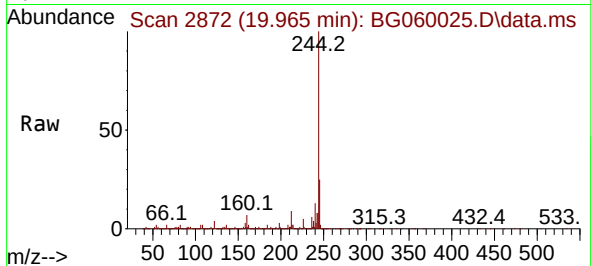




#77
Benzidine
Concen: 6.257 ng
RT: 19.965 min Scan# 2807
Delta R.T. 0.383 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

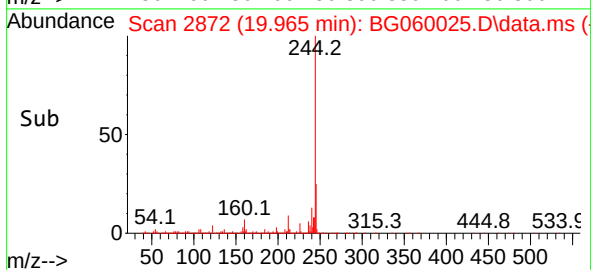
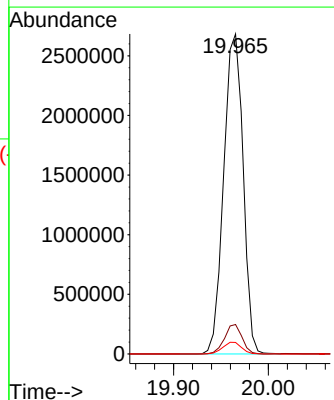
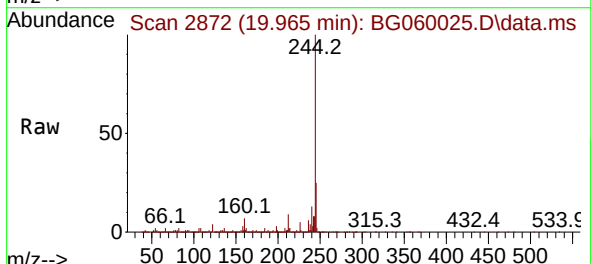
Instrument :
BNA_G
ClientSampleId :
RW1

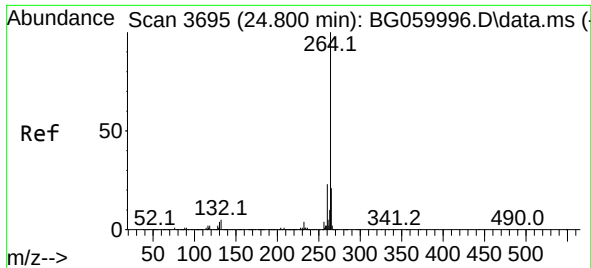
Tgt Ion:184 Resp: 65357
Ion Ratio Lower Upper
184 100
185 15.1 11.1 16.7
183 4.8 9.0 13.4#



#79
Terphenyl-d14
Concen: 85.665 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.001 min
Lab File: BG060025.D
Acq: 14 Dec 2023 23:46

Tgt Ion:244 Resp: 3815888
Ion Ratio Lower Upper
244 100
212 9.2 6.8 10.2
122 3.6 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.795 min Scan# 30
 Delta R.T. -0.005 min
 Lab File: BG060025.D
 Acq: 14 Dec 2023 23:46

Instrument :
 BNA_G
 ClientSampleId :
 RW1

Tgt Ion:264 Resp: 966743
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.1 17.3 25.9

