

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060066.D
 Acq On : 18 Dec 2023 14:50
 Operator : MA/JU
 Sample : 05827-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-DUP01-121223

Quant Time: Dec 18 15:33:01 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)

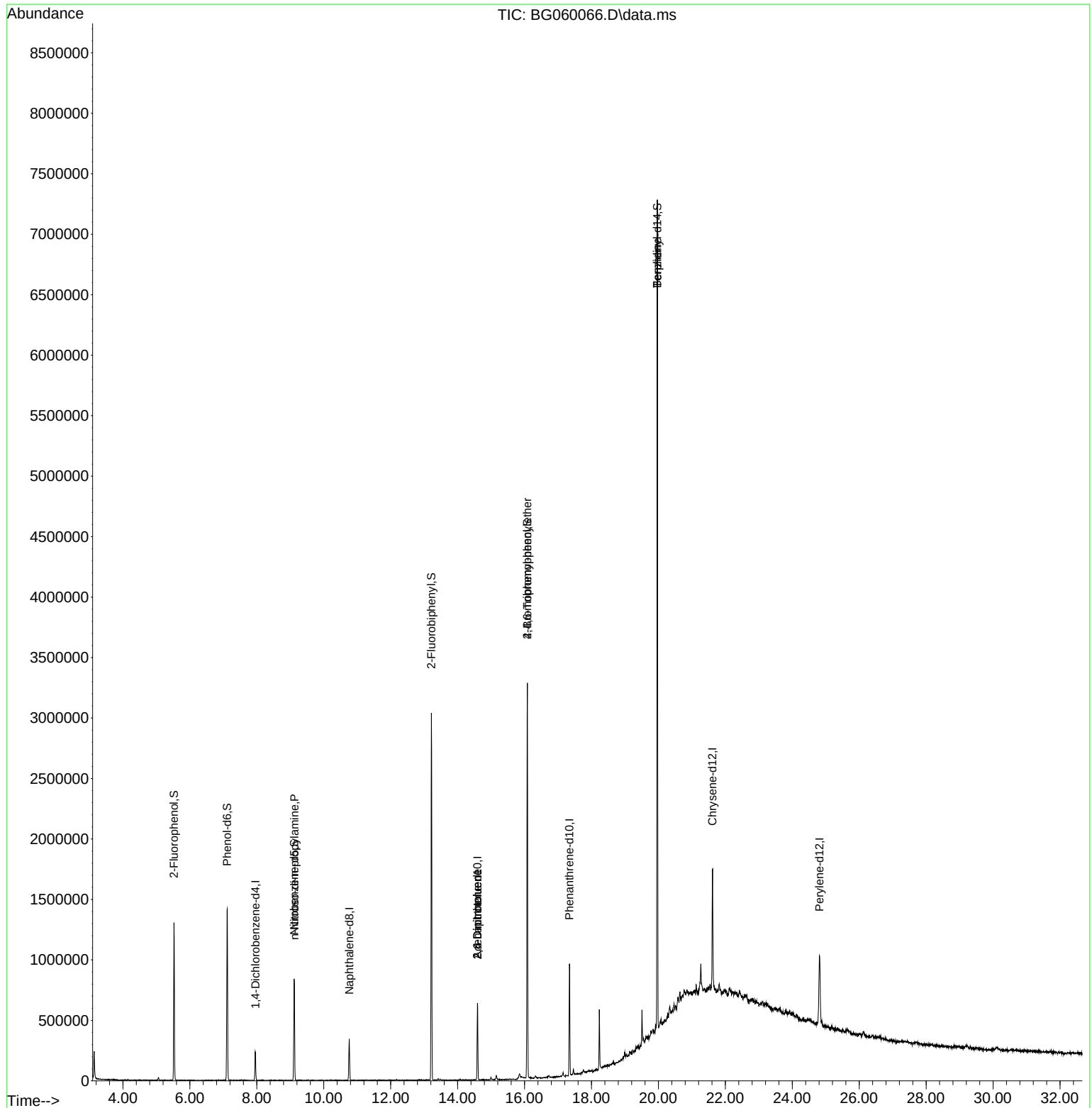
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	64036	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	258662	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	231089	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	655333	20.000	ng	# 0.00
76) Chrysene-d12	21.613	240	662999	20.000	ng	# 0.00
86) Perylene-d12	24.809	264	739184	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	454628	121.534	ng	0.00
7) Phenol-d6	7.112	99	692535	131.612	ng	0.00
23) Nitrobenzene-d5	9.116	82	469911	82.493	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	760730	141.257	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1665805	88.225	ng	0.00
79) Terphenyl-d14	19.968	244	3590653	98.876	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.122	70	70228	20.687	ng	# 74
51) 2,6-Dinitrotoluene	14.592	165	31325	8.430	ng	# 24
57) 2,4-Dinitrotoluene	14.592	165	31325	5.997	ng	# 28
67) 4-Bromophenyl-phenylether	16.084	248	48521	5.248	ng	# 1
69) Atrazine	16.813	200	139	Below Cal		72
77) Benzidine	19.968	184	59057	6.935	ng	# 94

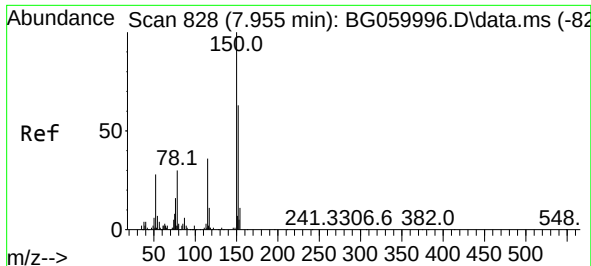
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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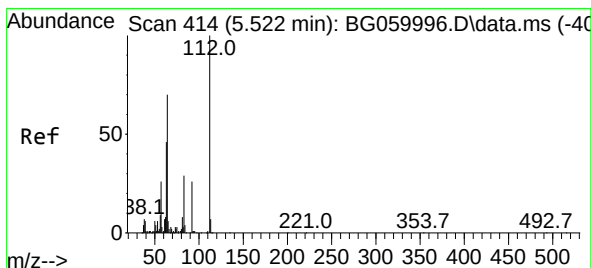
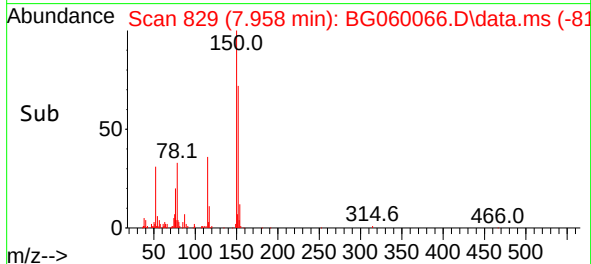
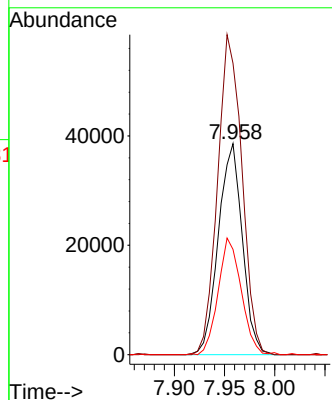
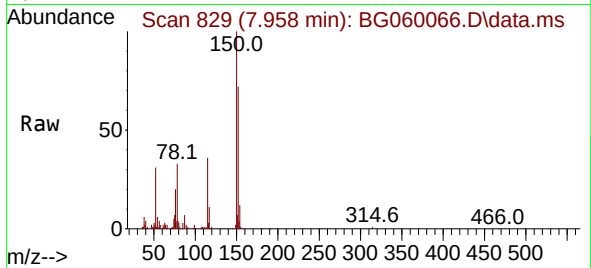




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

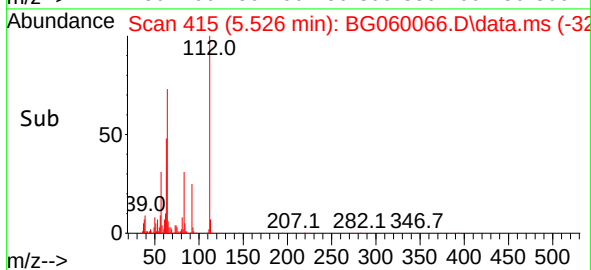
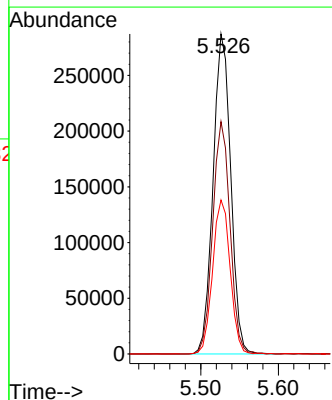
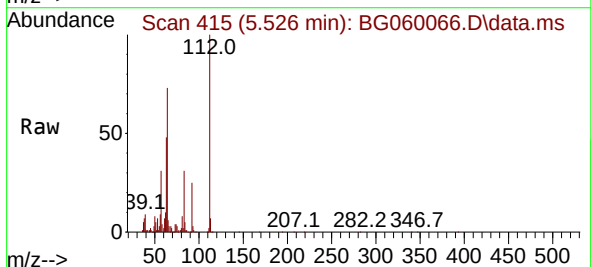
Instrument :
BNA_G
ClientSampleId :
RT-DUP01-121223

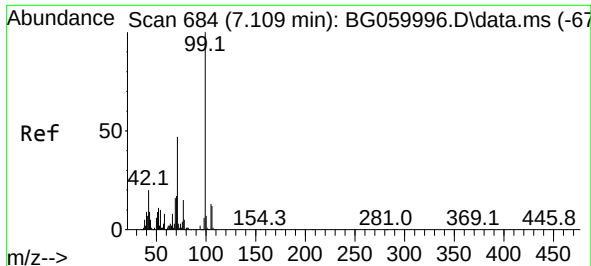
Tgt Ion:152 Resp: 64036
Ion Ratio Lower Upper
152 100
150 138.1 127.0 190.6
115 49.9 45.7 68.5



#5
2-Fluorophenol
Concen: 121.534 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

Tgt Ion:112 Resp: 454628
Ion Ratio Lower Upper
112 100
64 72.6 55.9 83.9
63 48.1 36.5 54.7

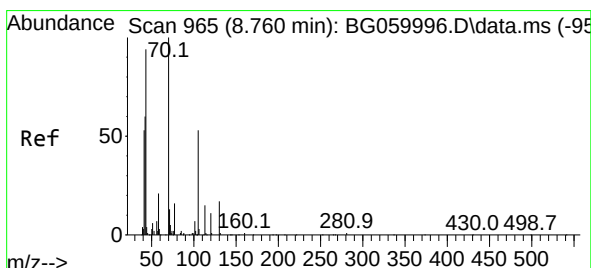
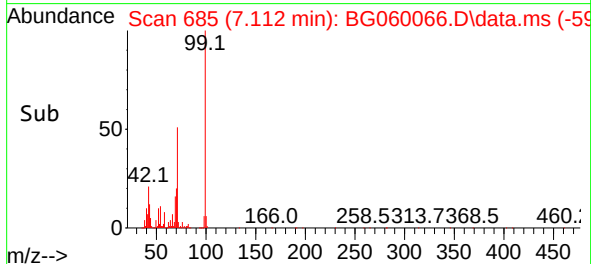
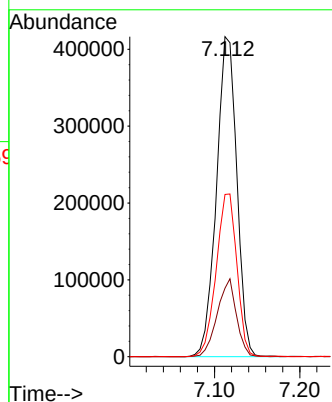
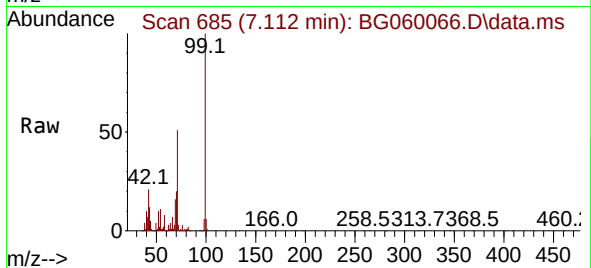




#7
Phenol-d6
Concen: 131.612 ng
RT: 7.112 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

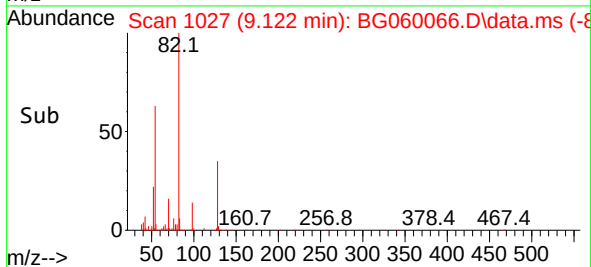
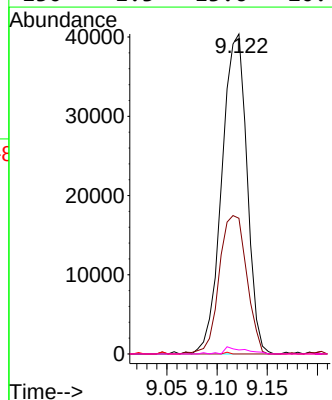
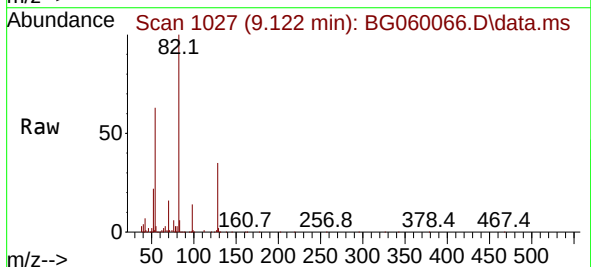
Instrument :
BNA_G
ClientSampleId :
RT-DUP01-121223

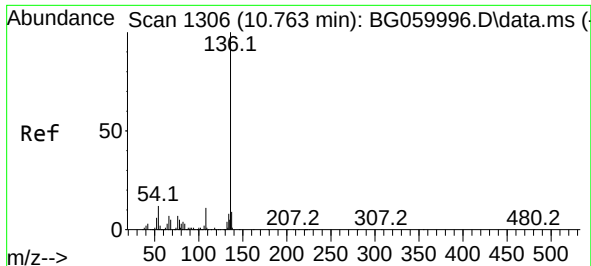
Tgt Ion: 99 Resp: 692535
Ion Ratio Lower Upper
99 100
42 21.4 16.2 24.4
71 50.7 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 20.687 ng
RT: 9.122 min Scan# 1027
Delta R.T. 0.362 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

Tgt Ion: 70 Resp: 70228
Ion Ratio Lower Upper
70 100
42 42.4 48.6 73.0#
101 0.0 5.7 8.5#
130 1.3 13.6 20.4#

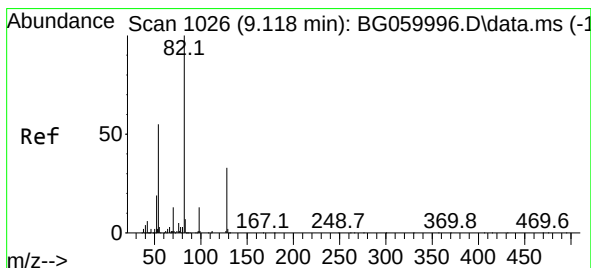
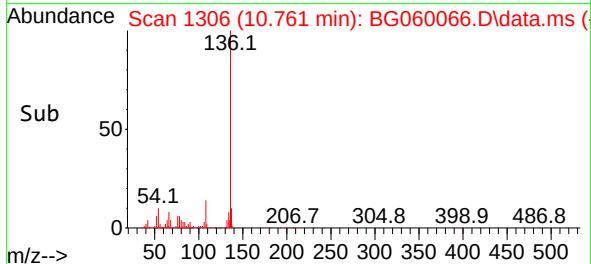
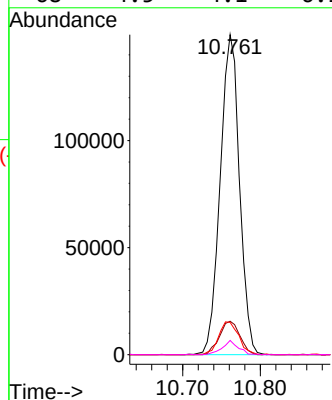
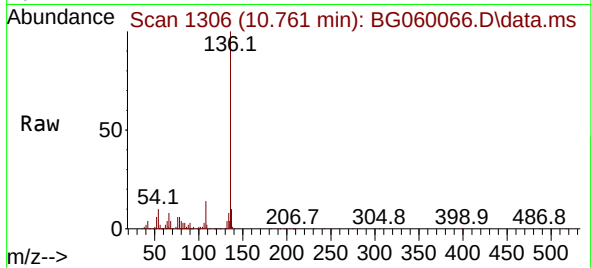




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

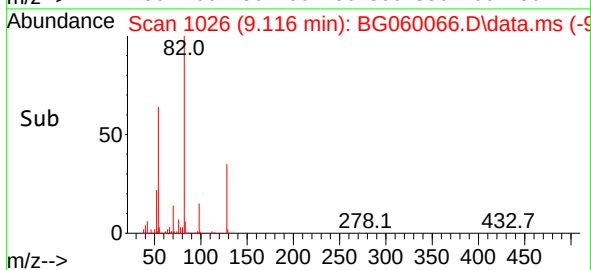
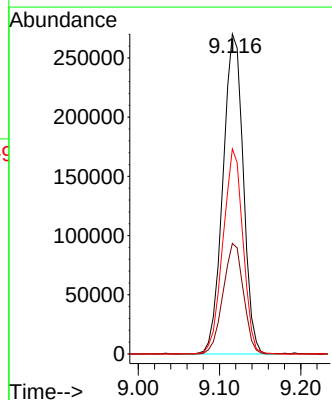
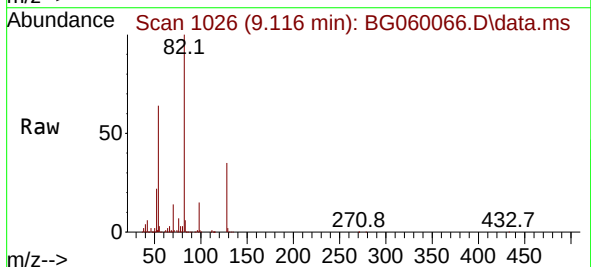
Instrument :
BNA_G
ClientSampleId :
RT-DUP01-121223

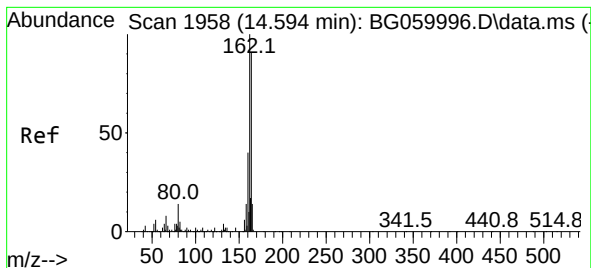
Tgt Ion:	136	Resp:	258662
Ion	Ratio	Lower	Upper
136	100		
137	10.5	7.3	10.9
54	10.1	9.6	14.4
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 82.493 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

Tgt Ion:	82	Resp:	469911
Ion	Ratio	Lower	Upper
82	100		
128	34.5	26.3	39.5
54	64.1	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: BG060066.D

Acq: 18 Dec 2023 14:50

Instrument :

BNA_G

ClientSampleId :

RT-DUP01-121223

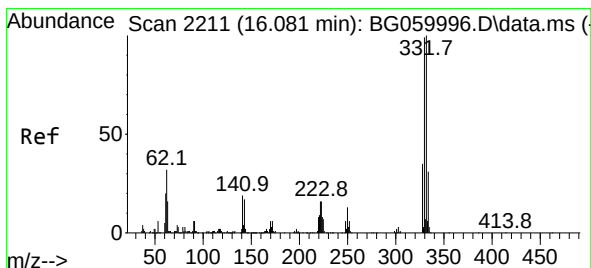
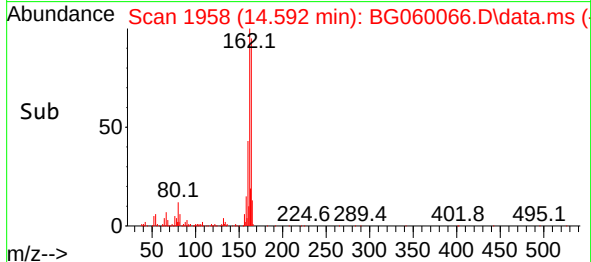
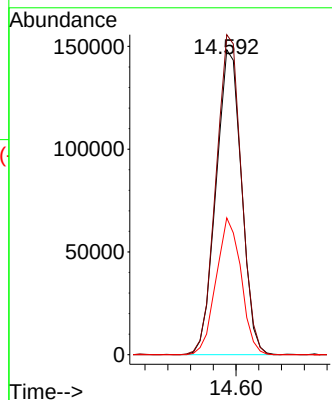
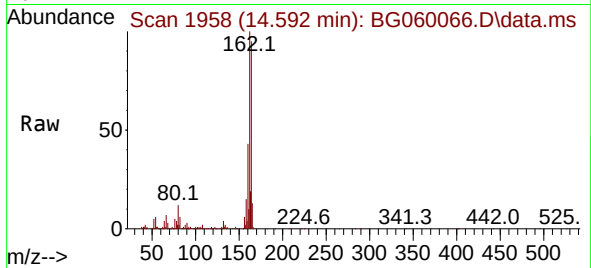
Tgt Ion:164 Resp: 231089

Ion Ratio Lower Upper

164 100

162 104.9 88.1 132.1

160 44.9 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 141.257 ng

RT: 16.084 min Scan# 2212

Delta R.T. 0.004 min

Lab File: BG060066.D

Acq: 18 Dec 2023 14:50

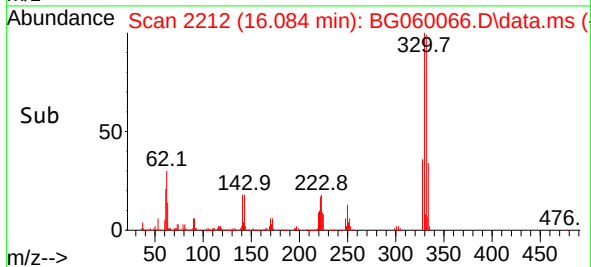
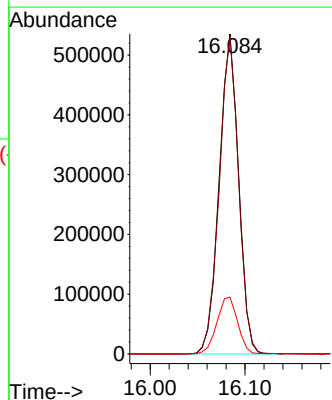
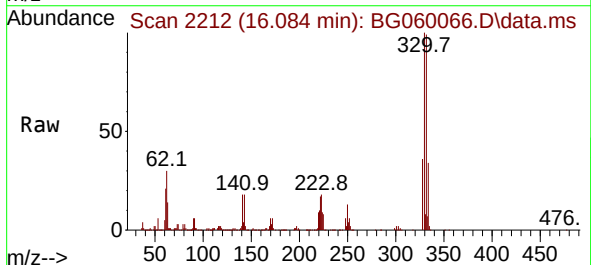
Tgt Ion:330 Resp: 760730

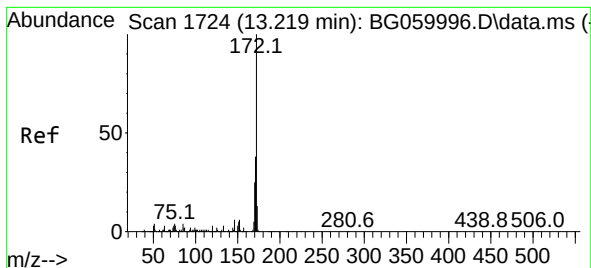
Ion Ratio Lower Upper

330 100

332 99.0 76.2 114.4

141 19.1 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 88.225 ng

RT: 13.217 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG060066.D

Acq: 18 Dec 2023 14:50

Instrument :

BNA_G

ClientSampleId :

RT-DUP01-121223

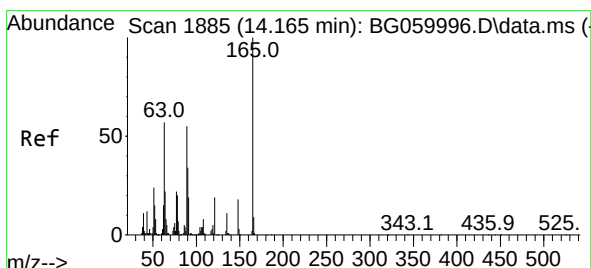
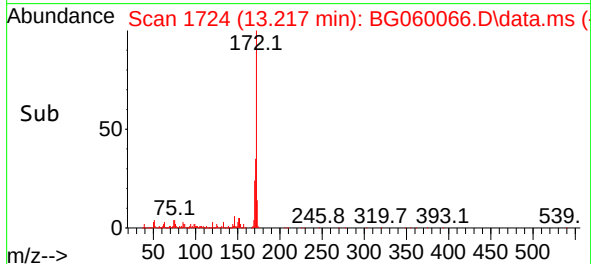
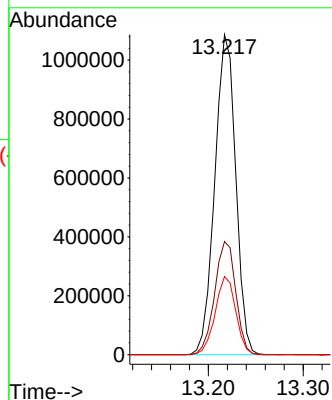
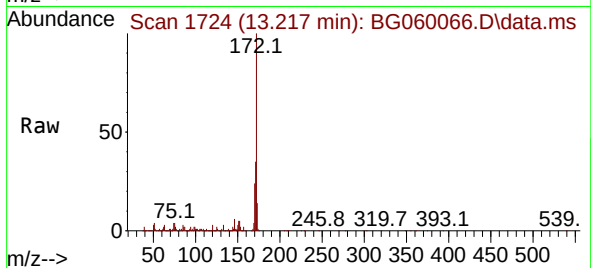
Tgt Ion:172 Resp: 1665805

Ion Ratio Lower Upper

172 100

171 35.3 30.1 45.1

170 24.4 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 8.430 ng

RT: 14.592 min Scan# 1958

Delta R.T. 0.427 min

Lab File: BG060066.D

Acq: 18 Dec 2023 14:50

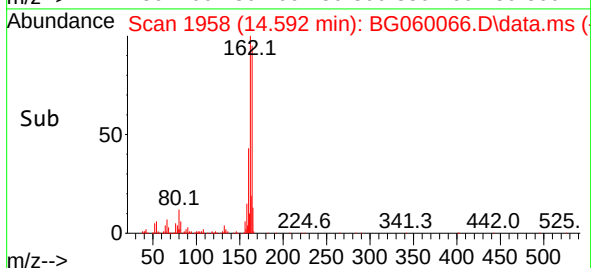
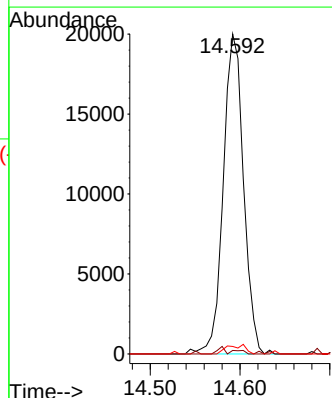
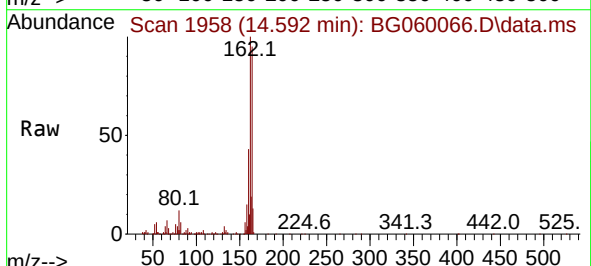
Tgt Ion:165 Resp: 31325

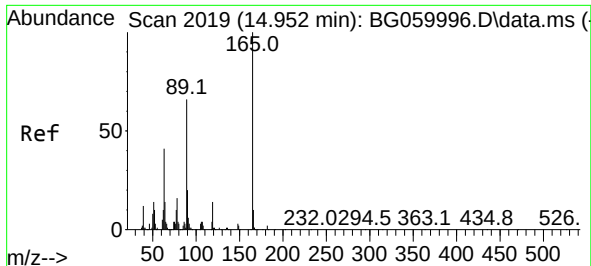
Ion Ratio Lower Upper

165 100

63 1.1 48.2 72.2#

89 2.3 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 5.997 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.361 min

Lab File: BG060066.D

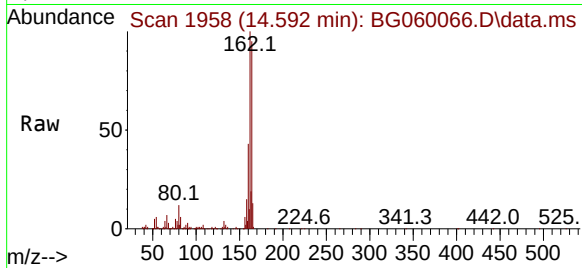
Acq: 18 Dec 2023 14:50

Instrument :

BNA_G

ClientSampleId :

RT-DUP01-121223



Tgt Ion:165 Resp: 31325

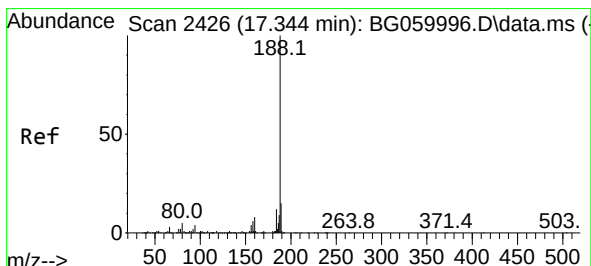
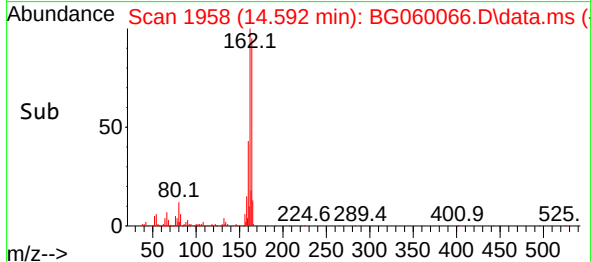
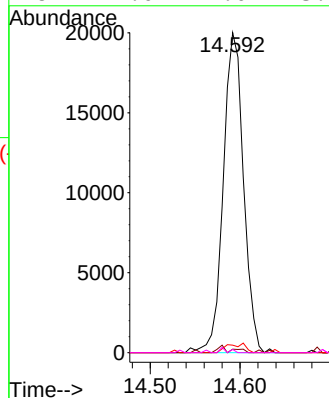
Ion Ratio Lower Upper

165 100

63 1.1 32.8 49.2#

89 2.3 53.0 79.6#

182 1.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2426

Delta R.T. -0.002 min

Lab File: BG060066.D

Acq: 18 Dec 2023 14:50

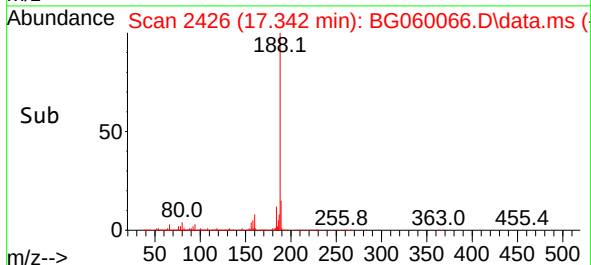
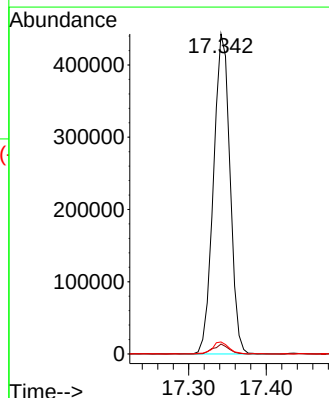
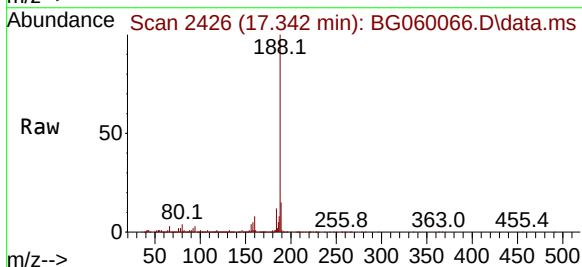
Tgt Ion:188 Resp: 655333

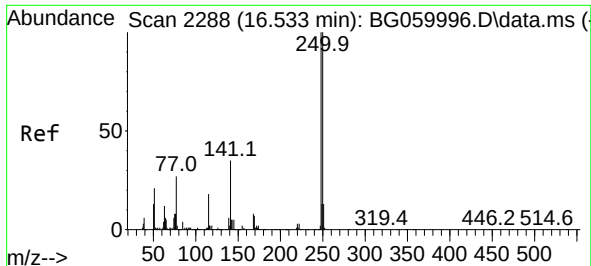
Ion Ratio Lower Upper

188 100

94 3.1 3.0 4.6

80 3.8 4.0 6.0#

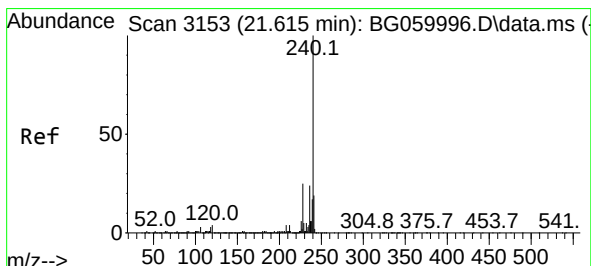
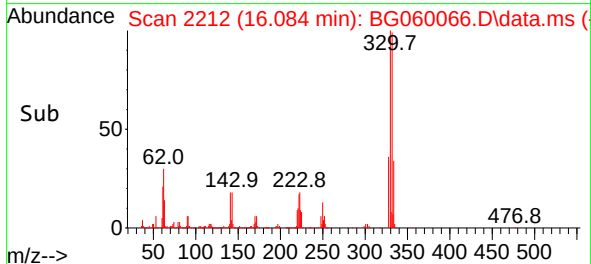
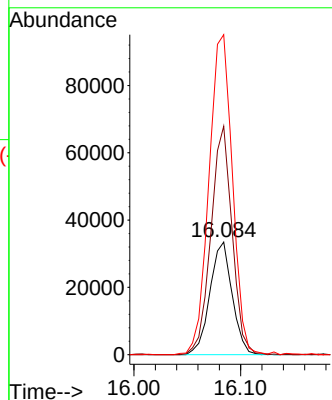
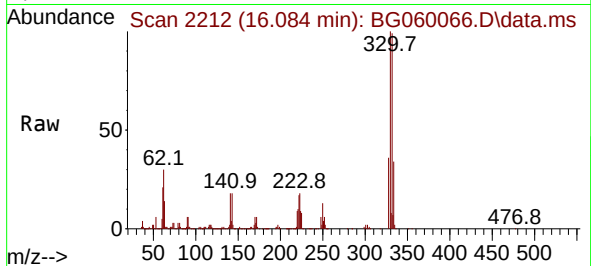




#67
4-Bromophenyl-phenylether
Concen: 5.248 ng
RT: 16.084 min Scan# 211
Delta R.T. -0.449 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

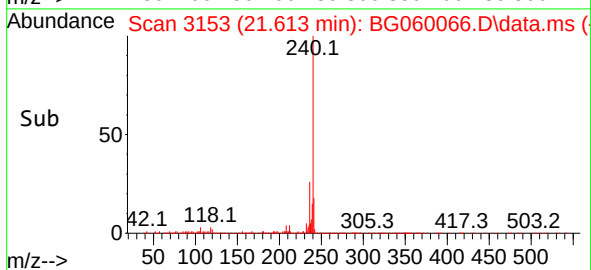
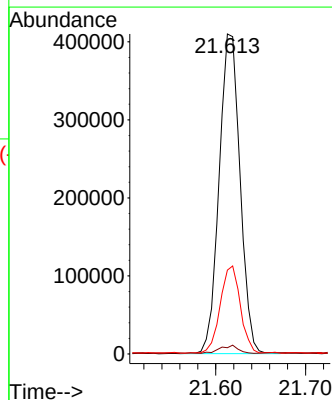
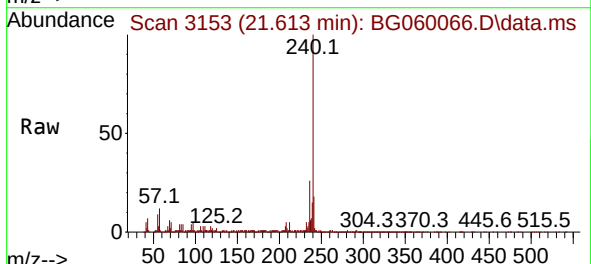
Instrument :
BNA_G
ClientSampleId :
RT-DUP01-121223

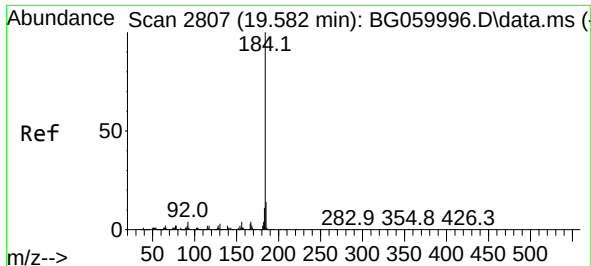
Tgt Ion:248 Resp: 48521
Ion Ratio Lower Upper
248 100
250 202.9 79.9 119.9#
141 284.2 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.613 min Scan# 3153
Delta R.T. -0.002 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

Tgt Ion:240 Resp: 662999
Ion Ratio Lower Upper
240 100
120 2.0 2.9 4.3#
236 26.2 19.4 29.2

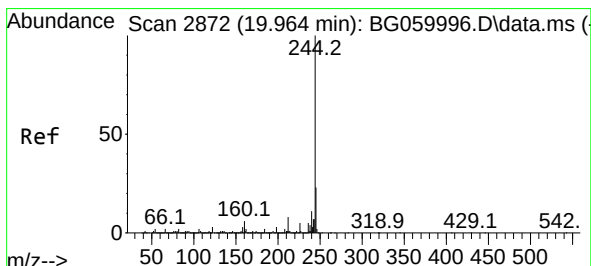
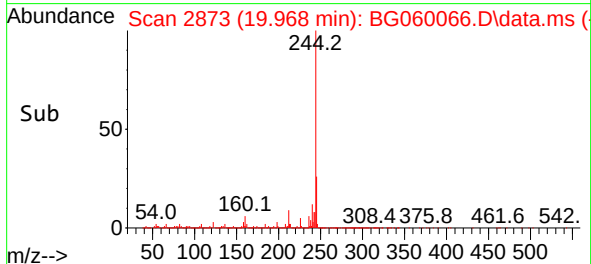
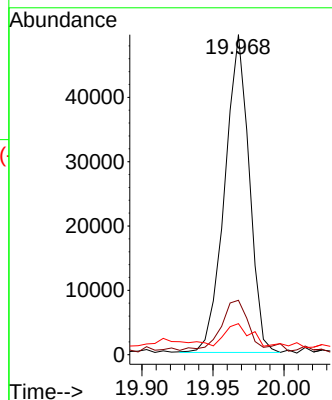
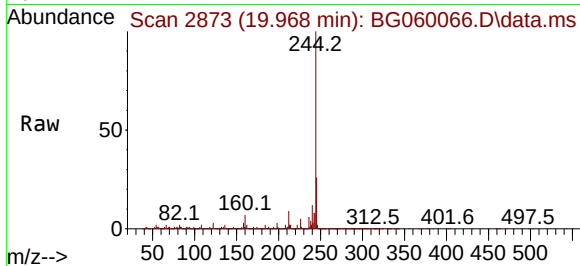




#77
Benzidine
Concen: 6.935 ng
RT: 19.968 min Scan# 2873
Delta R.T. 0.385 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

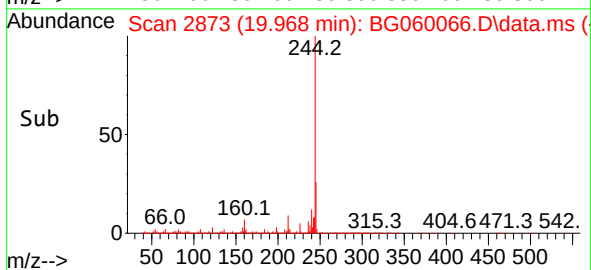
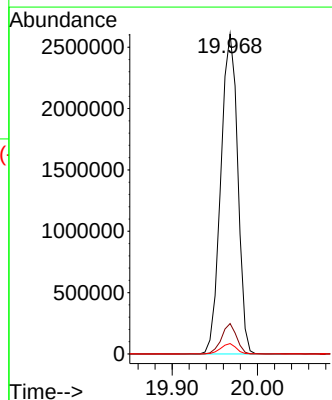
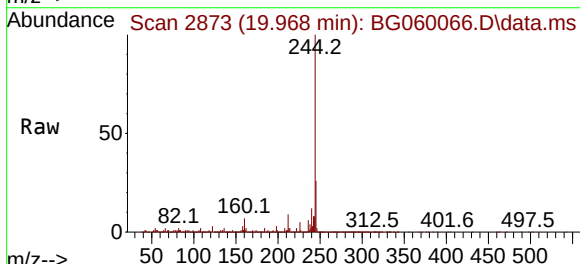
Instrument :
BNA_G
ClientSampleId :
RT-DUP01-121223

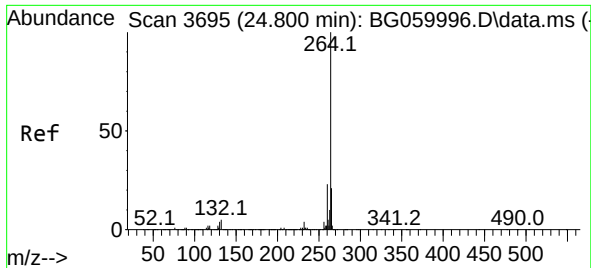
Tgt Ion:184 Resp: 59057
Ion Ratio Lower Upper
184 100
185 17.0 11.1 16.7#
183 9.7 9.0 13.4



#79
Terphenyl-d14
Concen: 98.876 ng
RT: 19.968 min Scan# 2873
Delta R.T. 0.004 min
Lab File: BG060066.D
Acq: 18 Dec 2023 14:50

Tgt Ion:244 Resp: 3590653
Ion Ratio Lower Upper
244 100
212 9.5 6.8 10.2
122 3.3 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.809 min Scan# 30
 Delta R.T. 0.009 min
 Lab File: BG060066.D
 Acq: 18 Dec 2023 14:50

Instrument :
 BNA_G
 ClientSampleId :
 RT-DUP01-121223

Tgt Ion:264 Resp: 739184
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.5 27.7
 265 22.8 17.3 25.9

