

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060623\
 Data File : BG057659.D
 Acq On : 7 Jun 2023 6:39
 Operator : CG/JU
 Sample : PB153141BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB153141BL

Quant Time: Jun 07 07:33:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

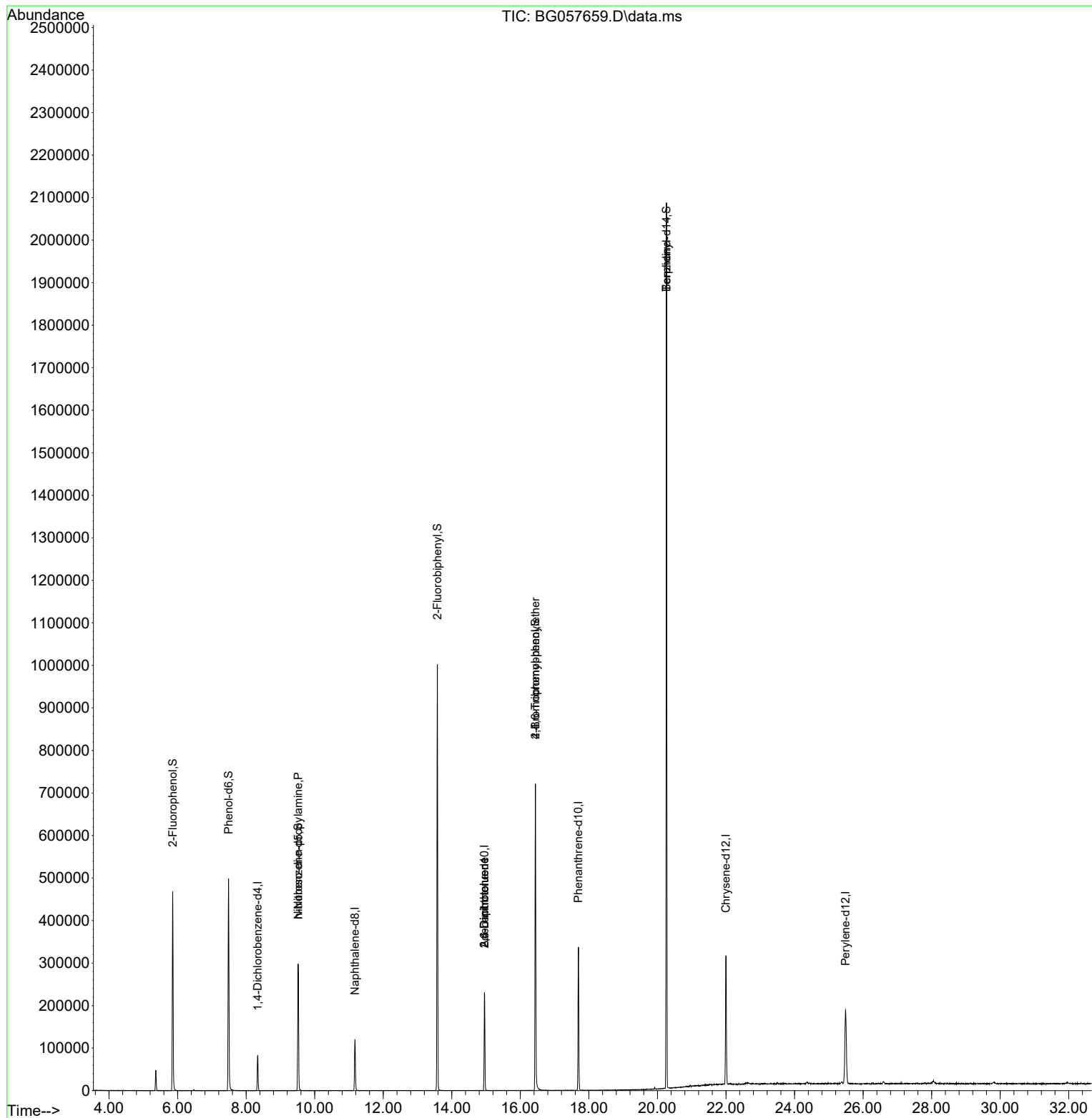
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.338	152	25724	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	112316	20.000	ng	0.00
39) Acenaphthene-d10	14.952	164	87267	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	223306	20.000	ng	0.00
76) Chrysene-d12	21.995	240	203709	20.000	ng	0.00
86) Perylene-d12	25.485	264	215401	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.859	112	222278	150.119	ng	0.00
7) Phenol-d6	7.486	99	325063	140.280	ng	0.00
23) Nitrobenzene-d5	9.518	82	203738	84.796	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	160687	115.009	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	541702	89.208	ng	0.00
79) Terphenyl-d14	20.263	244	1058420	90.002	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.518	70	27099	16.833	ng	# 74
51) 2,6-Dinitrotoluene	14.952	165	11541	7.496	ng	# 29
57) 2,4-Dinitrotoluene	14.952	165	11541	5.006	ng	# 26
67) 4-Bromophenyl-phenylether	16.438	248	10737	4.286	ng	# 1
77) Benzidine	20.263	184	15135	2.455	ng	# 89

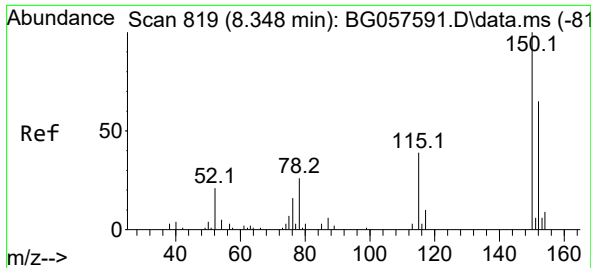
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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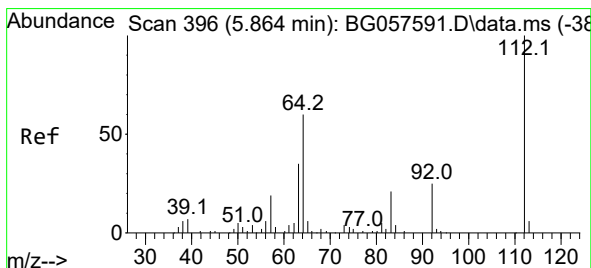
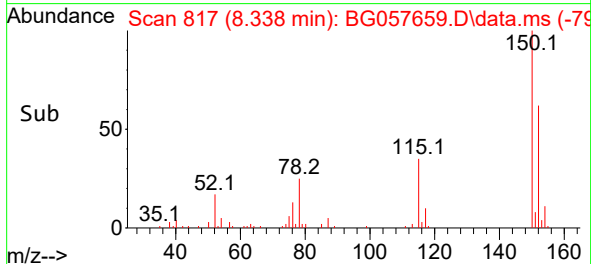
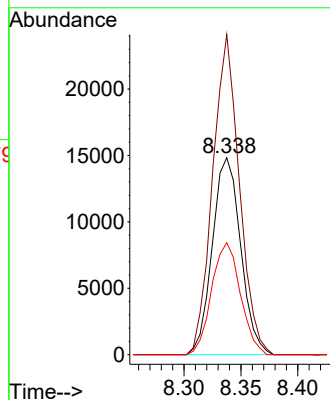
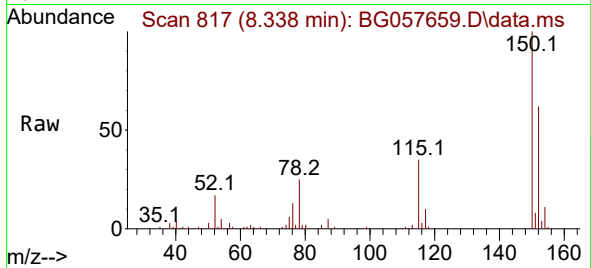




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.338 min Scan# 819
Delta R.T. 0.004 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

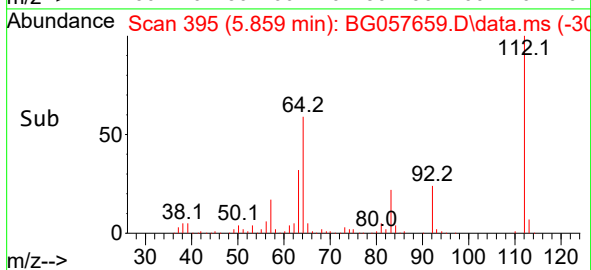
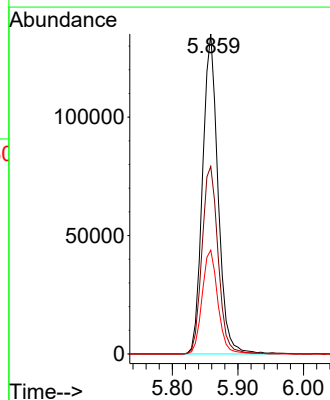
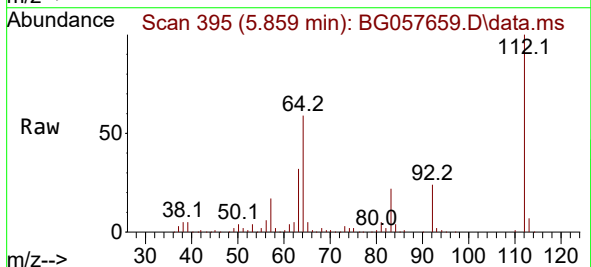
Instrument :
BNA_G
ClientSampleId :
PB153141BL

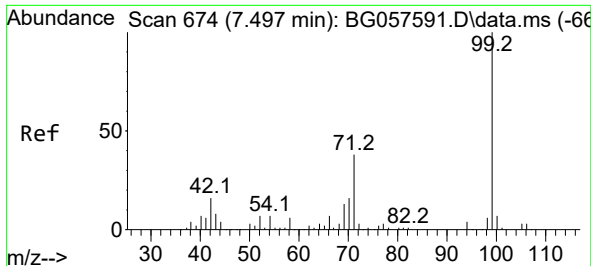
Tgt Ion:152 Resp: 25724
Ion Ratio Lower Upper
152 100
150 162.5 123.0 184.4
115 56.9 47.4 71.2



#5
2-Fluorophenol
Concen: 150.119 ng
RT: 5.859 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

Tgt Ion:112 Resp: 222278
Ion Ratio Lower Upper
112 100
64 58.6 47.8 71.6
63 32.5 27.8 41.8

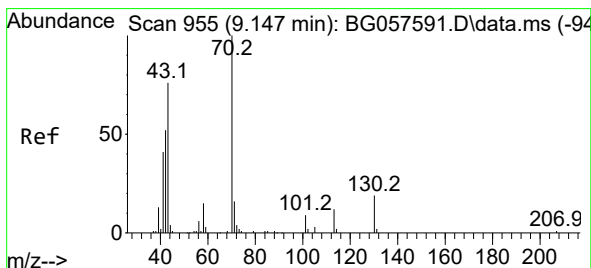
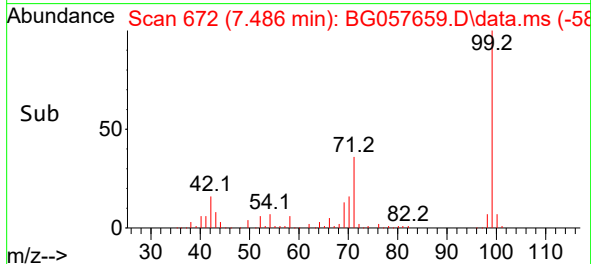
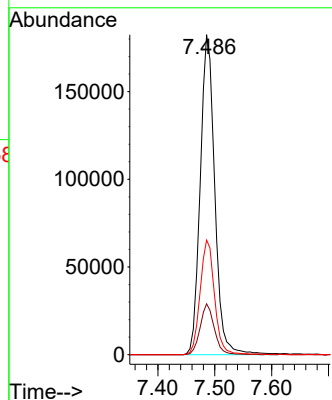
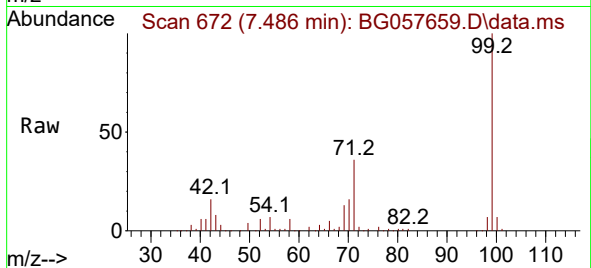




#7
Phenol-d6
Concen: 140.280 ng
RT: 7.486 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

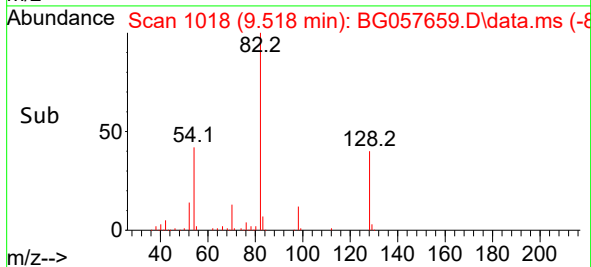
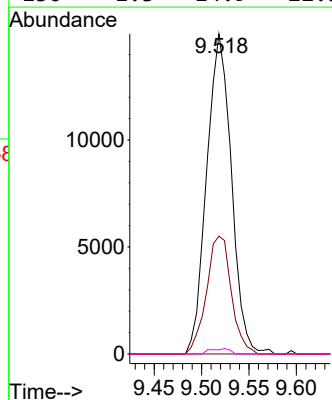
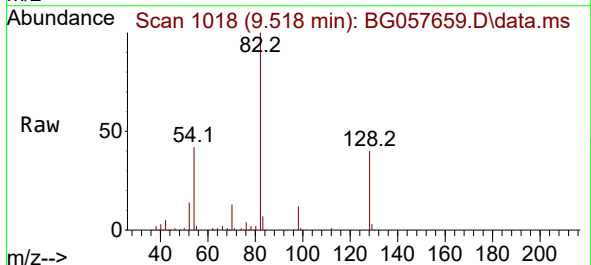
Instrument :
BNA_G
ClientSampleId :
PB153141BL

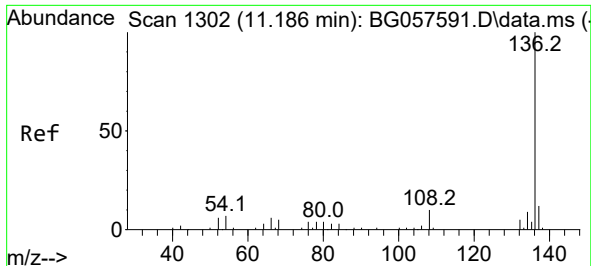
Tgt Ion: 99 Resp: 325063
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 35.8 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.833 ng
RT: 9.518 min Scan# 1018
Delta R.T. 0.380 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

Tgt Ion: 70 Resp: 27099
Ion Ratio Lower Upper
70 100
42 36.8 41.4 62.0#
101 0.0 6.9 10.3#
130 1.3 14.9 22.3#

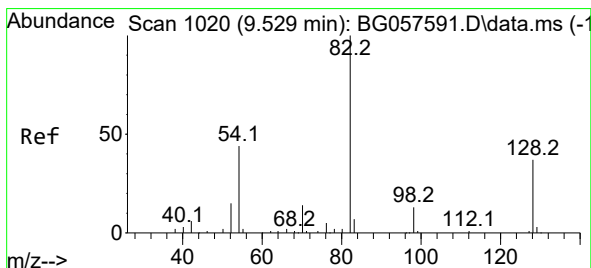
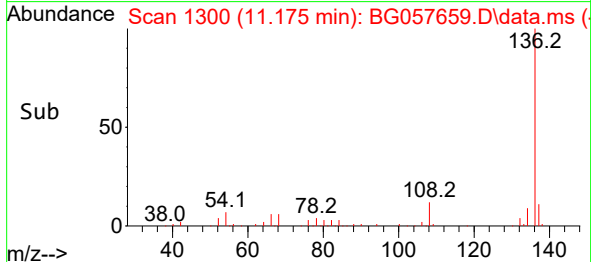
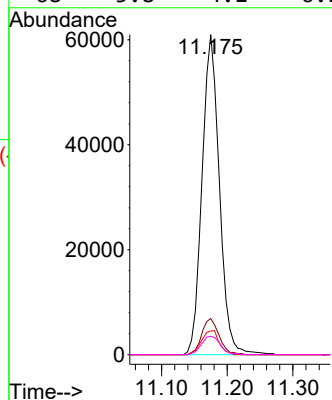
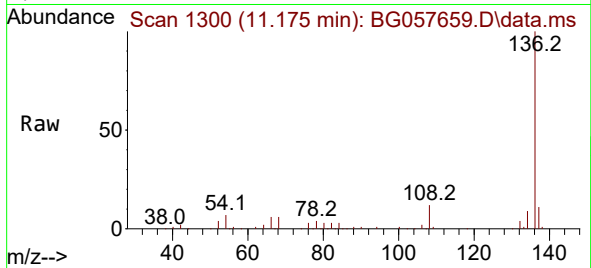




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

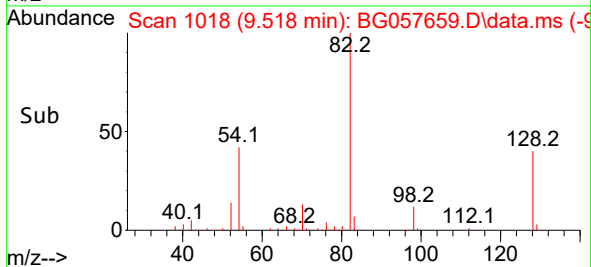
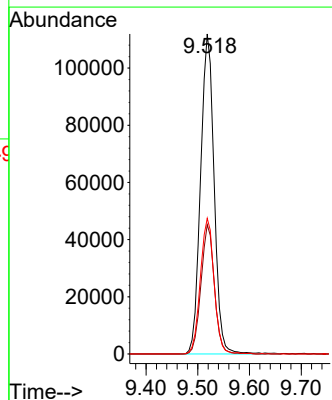
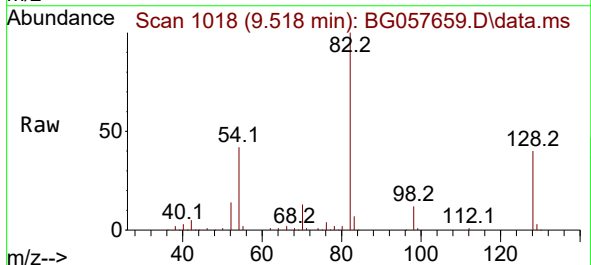
Instrument :
BNA_G
ClientSampleId :
PB153141BL

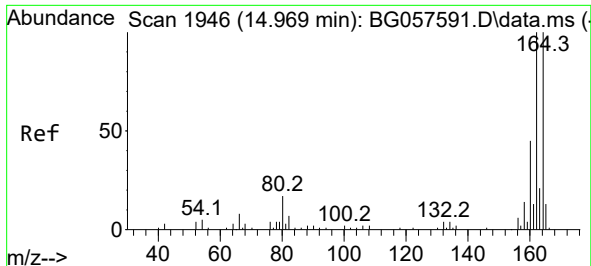
Tgt Ion:136 Resp: 112316
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.8
54 7.4 5.8 8.6
68 5.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 84.796 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

Tgt Ion: 82 Resp: 203738
Ion Ratio Lower Upper
82 100
128 40.4 30.0 45.0
54 42.4 35.2 52.8

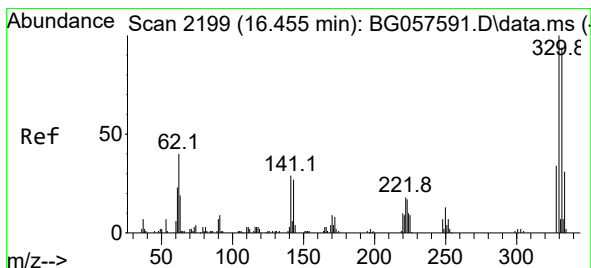
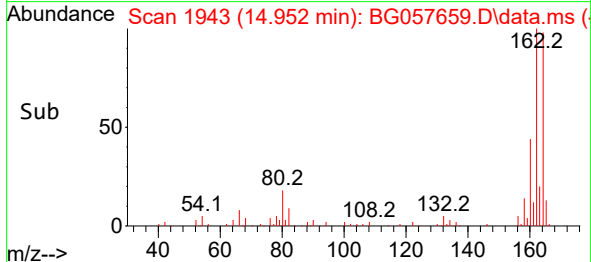
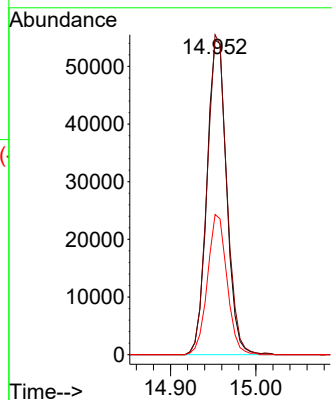
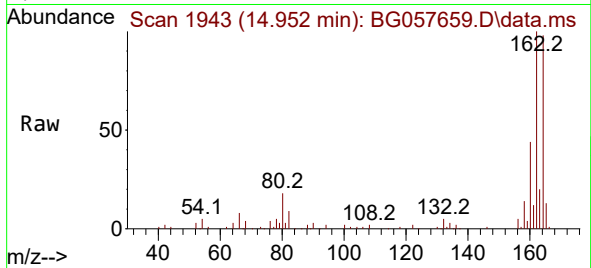




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.952 min Scan# 1943
Delta R.T. -0.008 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

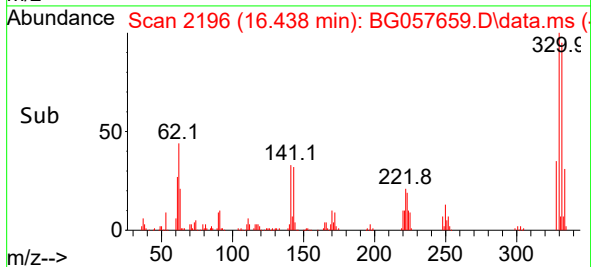
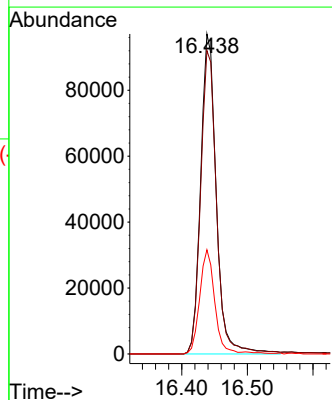
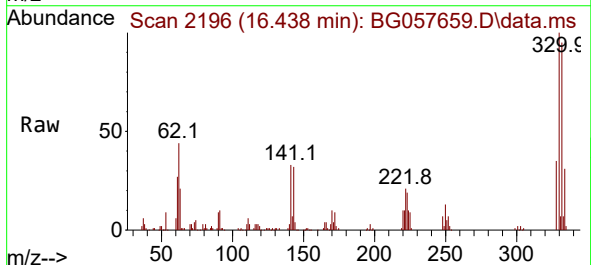
Instrument :
BNA_G
ClientSampleId :
PB153141BL

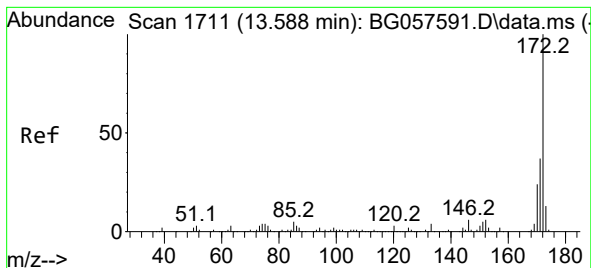
Tgt Ion:164 Resp: 87267
Ion Ratio Lower Upper
164 100
162 101.7 80.1 120.1
160 44.5 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 115.009 ng
RT: 16.438 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

Tgt Ion:330 Resp: 160687
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 31.1 24.6 37.0

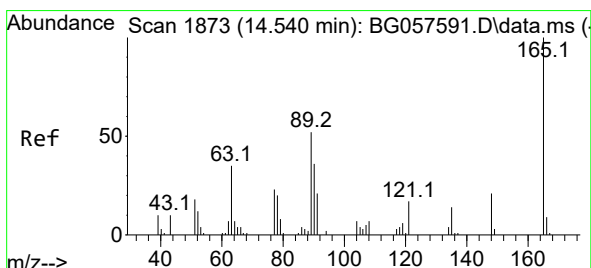
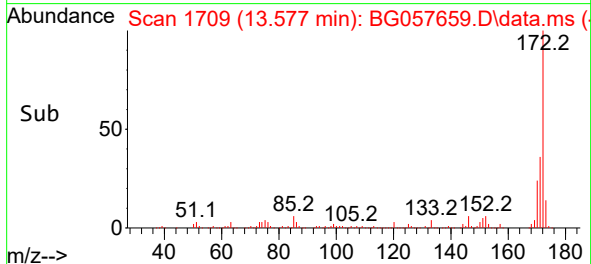
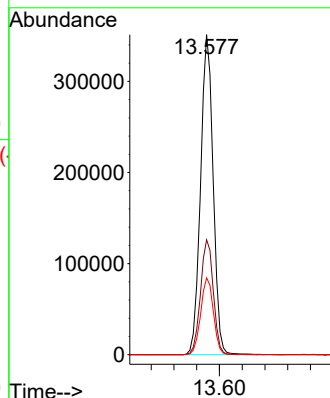
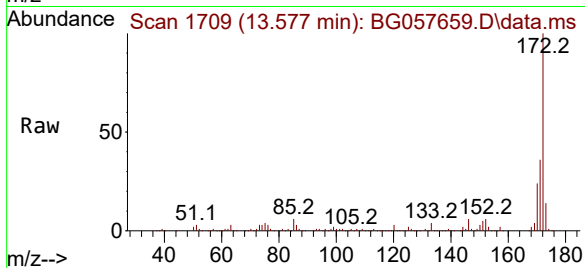




#45
2-Fluorobiphenyl
Concen: 89.208 ng
RT: 13.577 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

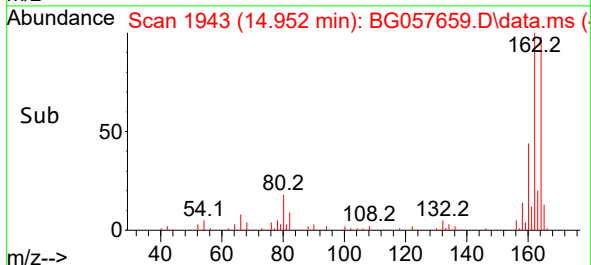
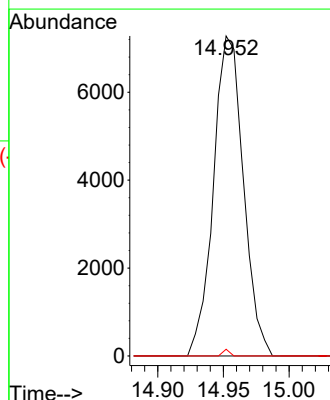
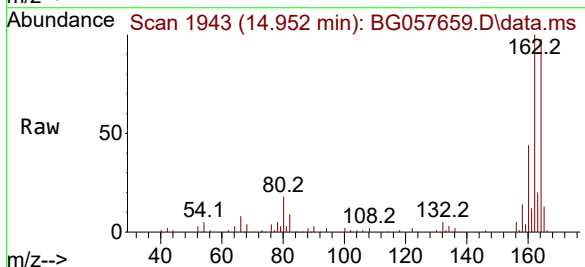
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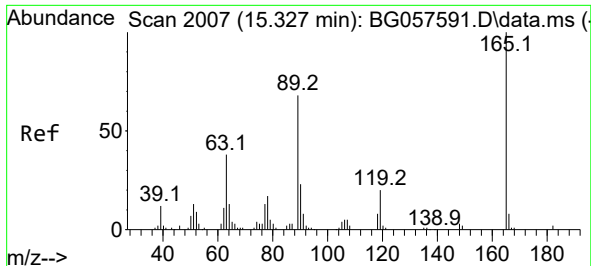
Tgt Ion:172 Resp: 541702
Ion Ratio Lower Upper
172 100
171 35.9 29.2 43.8
170 24.0 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.496 ng
RT: 14.952 min Scan# 1943
Delta R.T. 0.421 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

Tgt Ion:165 Resp: 11541
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 2.1 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 5.006 ng

RT: 14.952 min Scan# 14

Delta R.T. -0.372 min

Lab File: BG057659.D

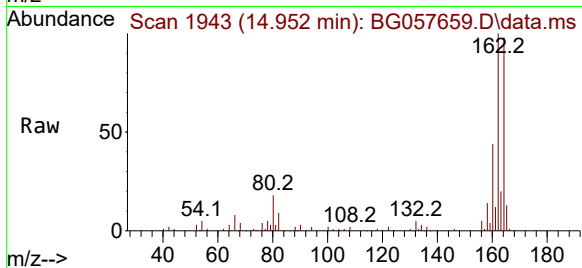
Acq: 7 Jun 2023 6:39

Instrument :

BNA_G

ClientSampleId :

PB153141BL



Tgt Ion:165 Resp: 11541

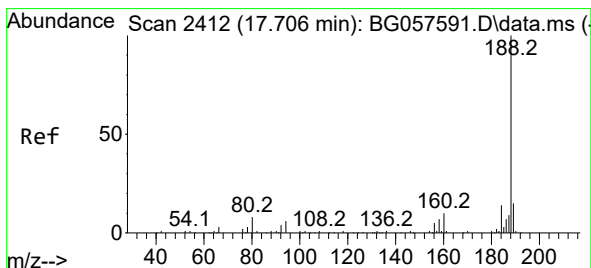
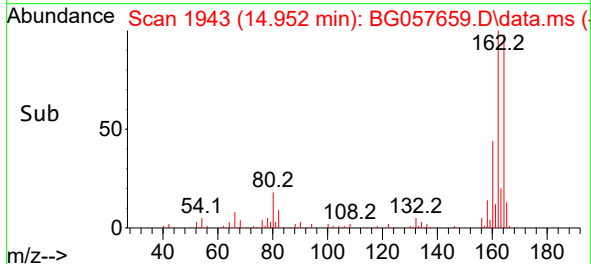
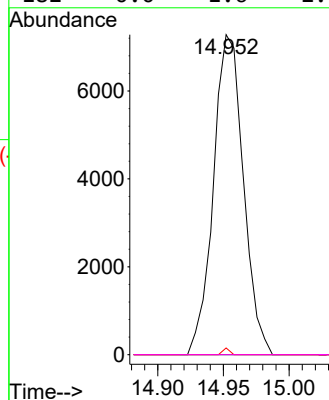
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 2.1 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2410

Delta R.T. -0.002 min

Lab File: BG057659.D

Acq: 7 Jun 2023 6:39

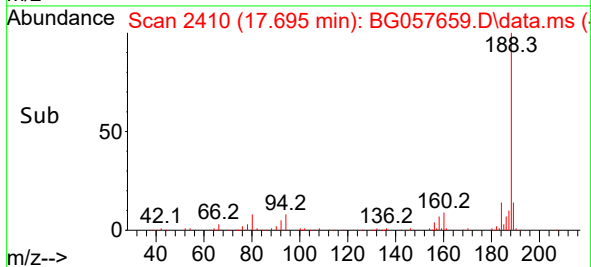
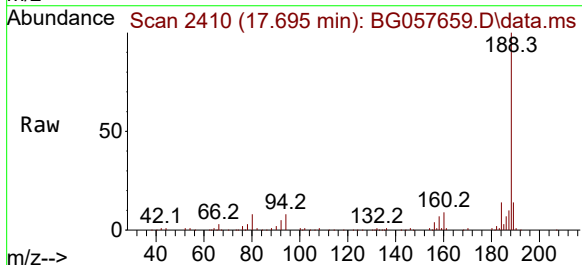
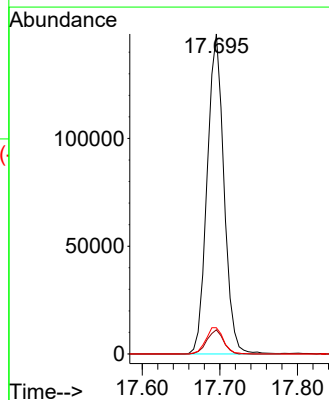
Tgt Ion:188 Resp: 223306

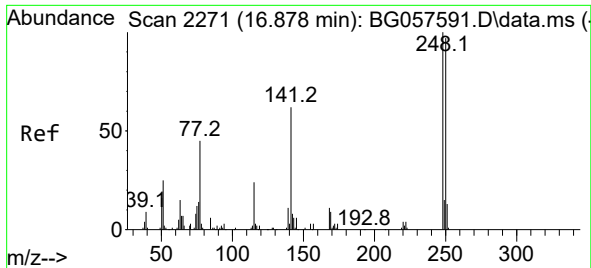
Ion Ratio Lower Upper

188 100

94 7.5 5.2 7.8

80 8.2 6.7 10.1

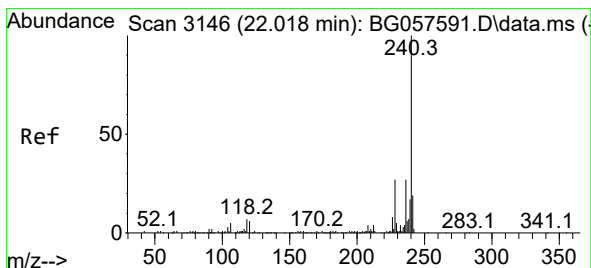
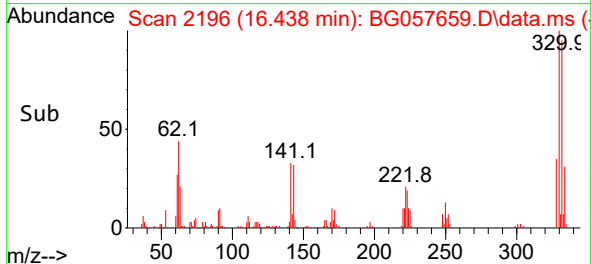
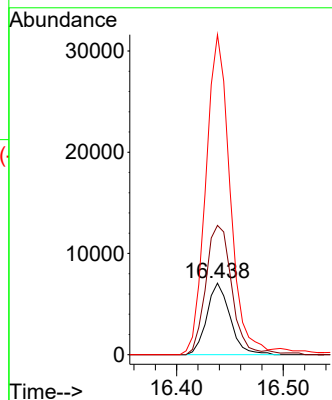
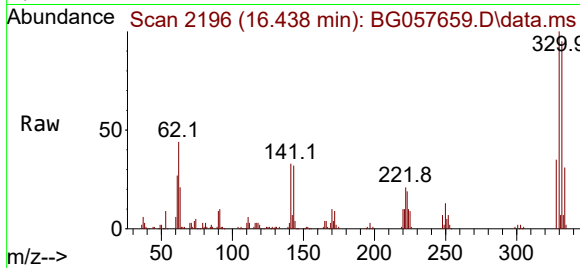




#67
4-Bromophenyl-phenylether
Concen: 4.286 ng
RT: 16.438 min Scan# 2196
Delta R.T. -0.431 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

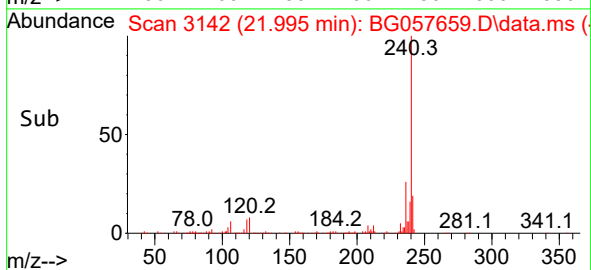
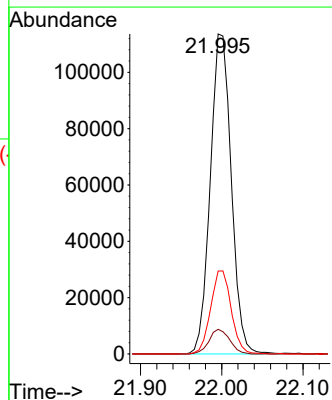
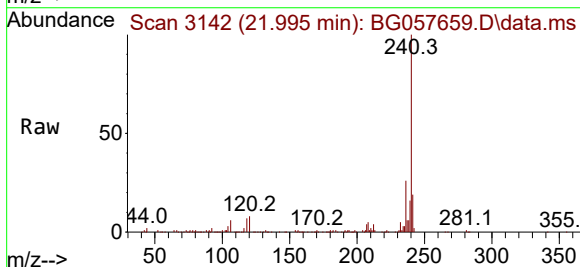
Instrument :
BNA_G
ClientSampleId :
PB153141BL

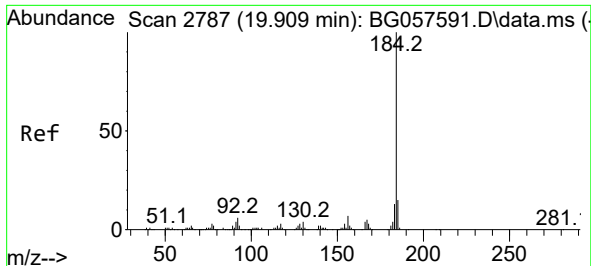
Tgt Ion:248 Resp: 10737
Ion Ratio Lower Upper
248 100
250 180.7 77.4 116.2#
141 447.4 49.4 74.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.995 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

Tgt Ion:240 Resp: 203709
Ion Ratio Lower Upper
240 100
120 7.7 5.2 7.8
236 25.9 21.4 32.0

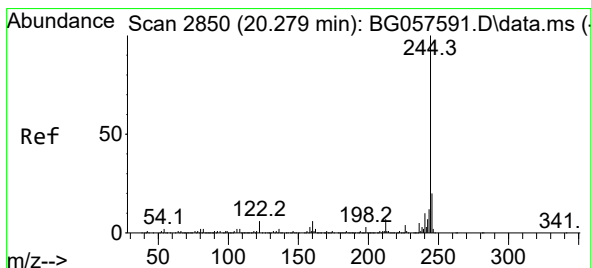
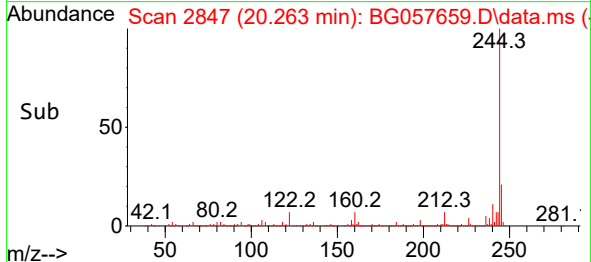
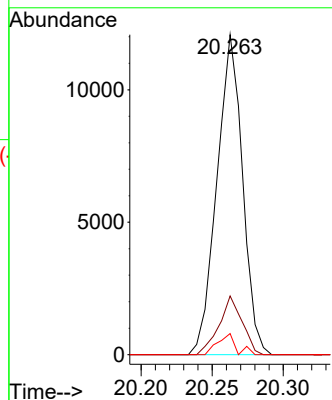
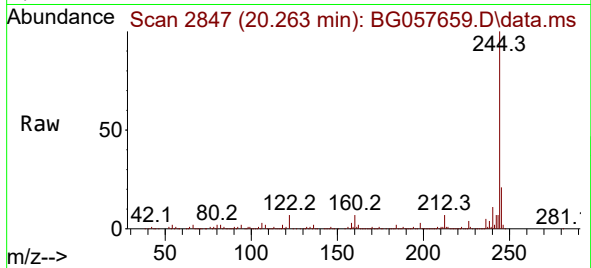




#77
Benzidine
Concen: 2.455 ng
RT: 20.263 min Scan# 2847
Delta R.T. 0.368 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

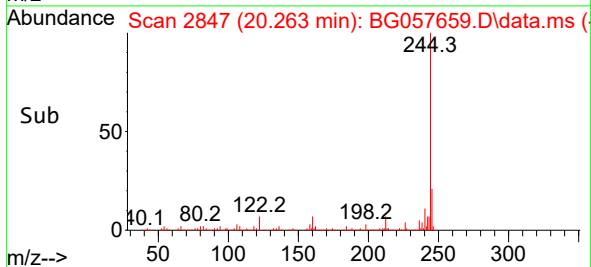
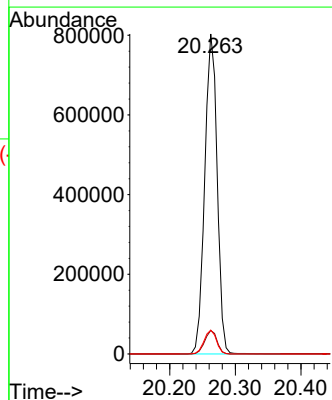
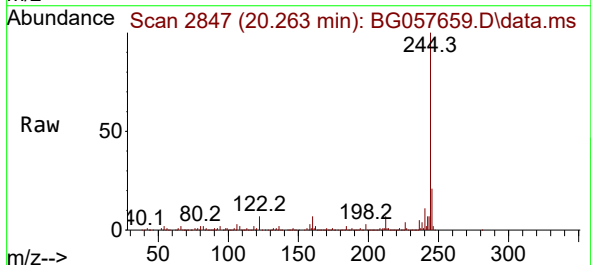
Instrument :
BNA_G
ClientSampleId :
PB153141BL

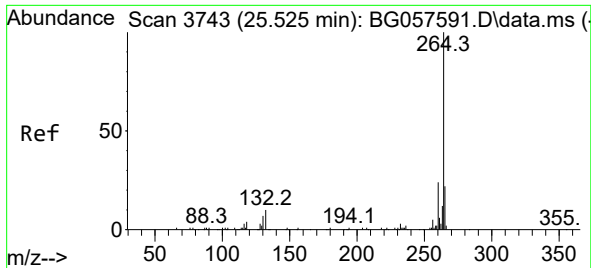
Tgt Ion:184 Resp: 15135
Ion Ratio Lower Upper
184 100
185 18.4 12.0 18.0#
183 6.6 10.0 15.0#



#79
Terphenyl-d14
Concen: 90.002 ng
RT: 20.263 min Scan# 2847
Delta R.T. -0.002 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

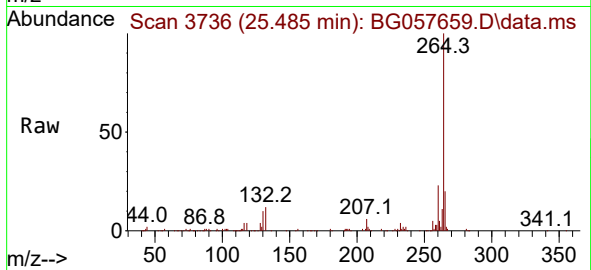
Tgt Ion:244 Resp: 1058420
Ion Ratio Lower Upper
244 100
212 7.3 5.6 8.4
122 7.5 4.8 7.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.485 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG057659.D
Acq: 7 Jun 2023 6:39

Instrument :
BNA_G
ClientSampleId :
PB153141BL



Tgt Ion:264 Resp: 215401
Ion Ratio Lower Upper
264 100
260 22.6 19.1 28.7
265 20.4 17.7 26.5

