

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060030.D
 Acq On : 15 Dec 2023 11:06
 Operator : MA/JU
 Sample : PB157592TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB157592TB

Quant Time: Dec 15 11:39:07 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)

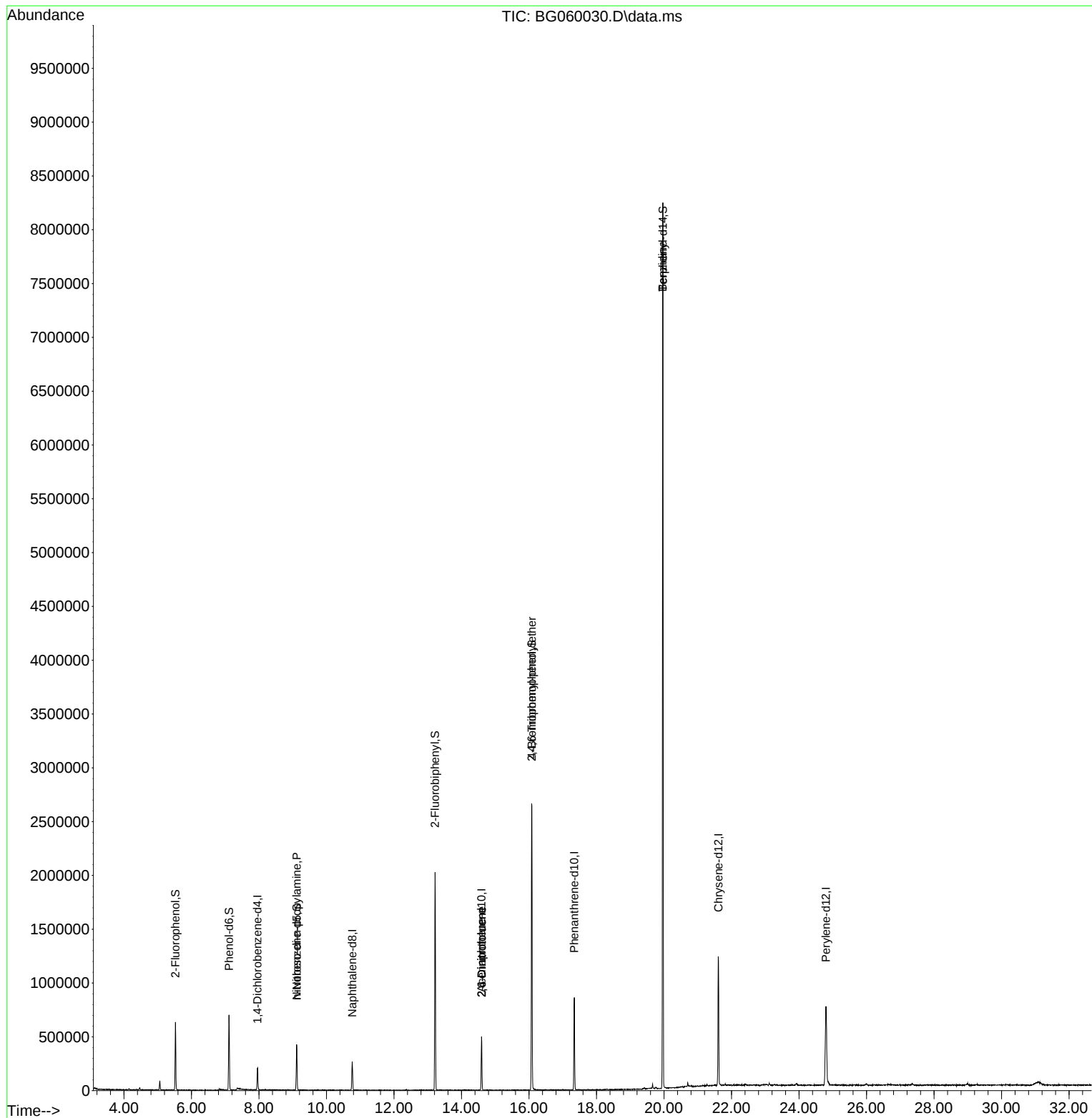
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	54700	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	204239	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	170239	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	596787	20.000	ng	0.00
76) Chrysene-d12	21.607	240	799188	20.000	ng	0.00
86) Perylene-d12	24.797	264	947553	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	226762	70.966	ng	0.00
7) Phenol-d6	7.112	99	355896	79.180	ng	0.00
23) Nitrobenzene-d5	9.116	82	236305	52.537	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	671564	169.272	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1087058	78.152	ng	0.00
79) Terphenyl-d14	19.968	244	4462824	101.951	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.116	70	32384	11.167	ng	# 77
51) 2,6-Dinitrotoluene	14.598	165	23398	8.548	ng	# 24
57) 2,4-Dinitrotoluene	14.598	165	23398	6.081	ng	# 27
67) 4-Bromophenyl-phenylether	16.078	248	40708	4.835	ng	# 1
69) Atrazine	16.789	200	841	Below Cal		# 34
77) Benzidine	19.962	184	75198	7.325	ng	# 91

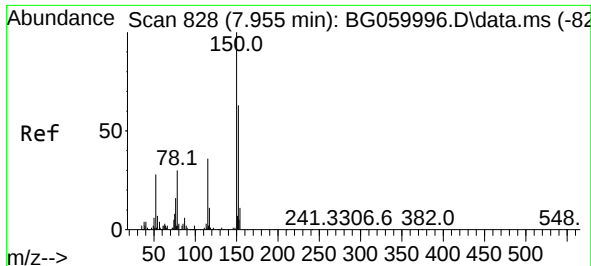
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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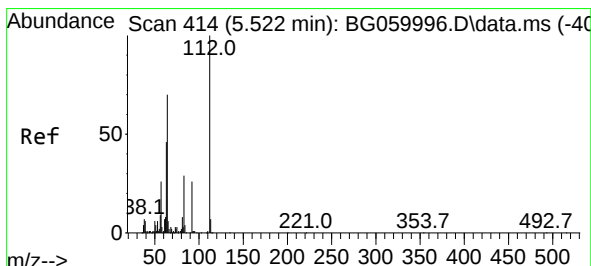
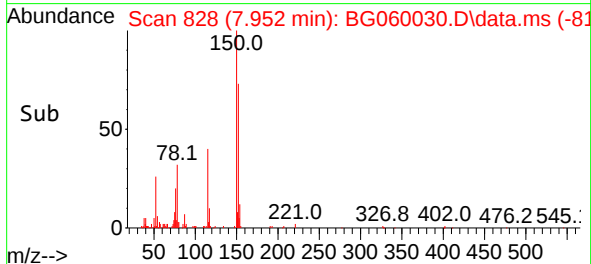
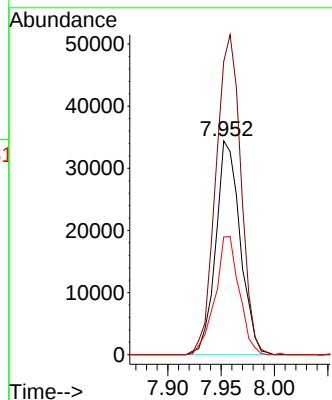
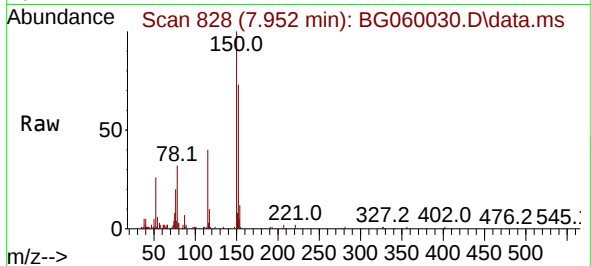




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

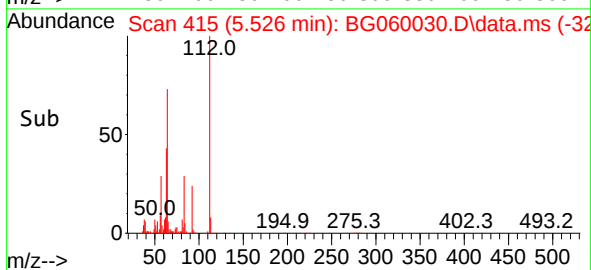
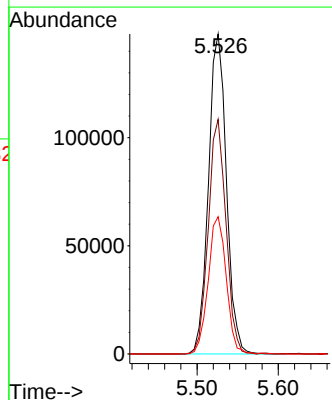
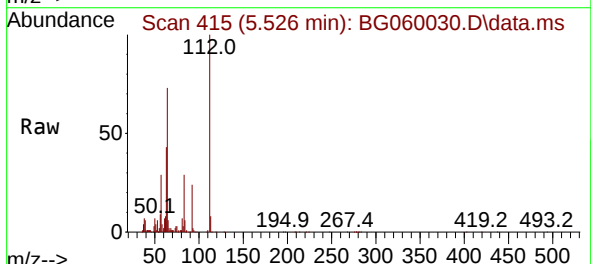
Instrument :
BNA_G
ClientSampleId :
PB157592TB

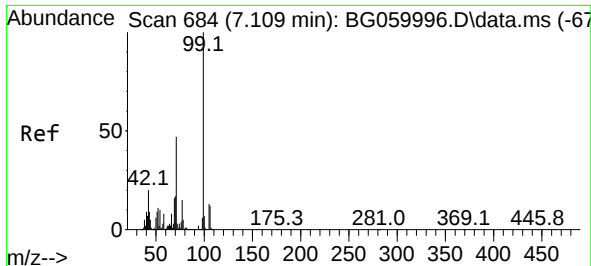
Tgt Ion:152 Resp: 54700
Ion Ratio Lower Upper
152 100
150 137.2 127.0 190.6
115 55.1 45.7 68.5



#5
2-Fluorophenol
Concen: 70.966 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

Tgt Ion:112 Resp: 226762
Ion Ratio Lower Upper
112 100
64 73.3 55.9 83.9
63 42.9 36.5 54.7

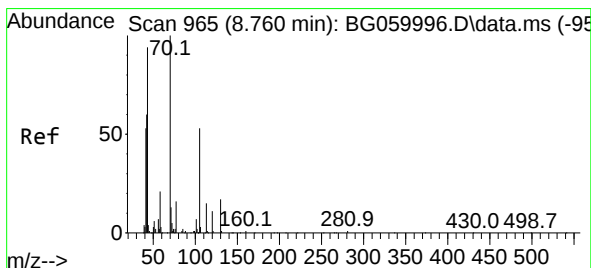
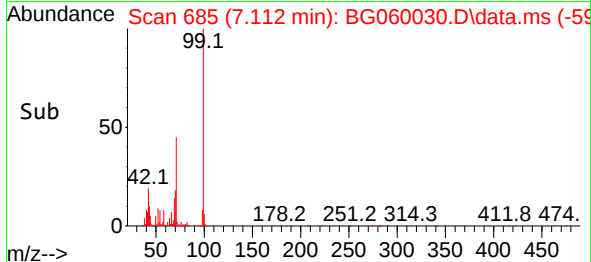
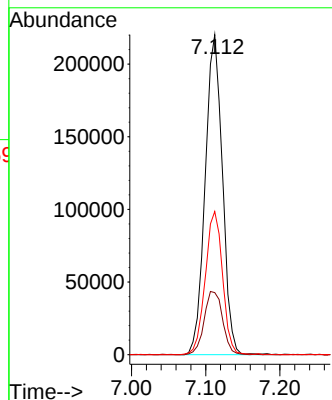
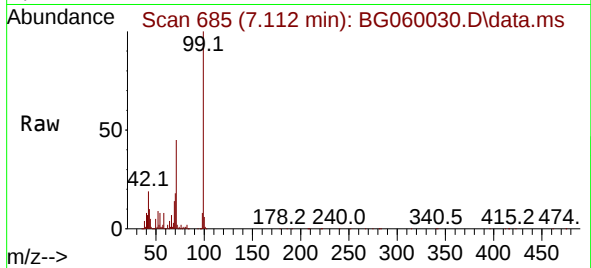




#7
Phenol-d6
Concen: 79.180 ng
RT: 7.112 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

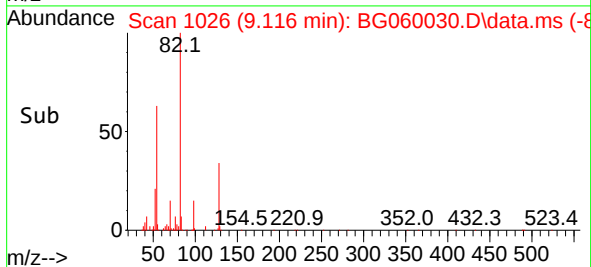
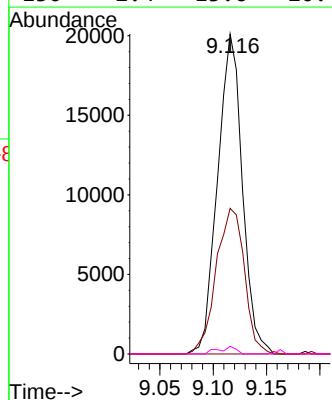
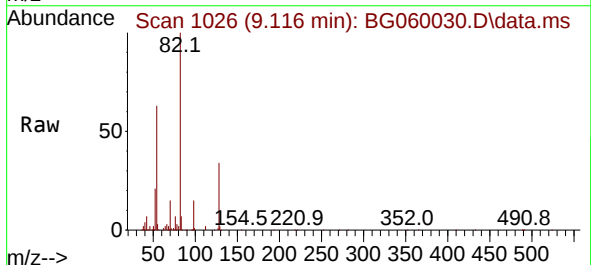
Instrument :
BNA_G
ClientSampleId :
PB157592TB

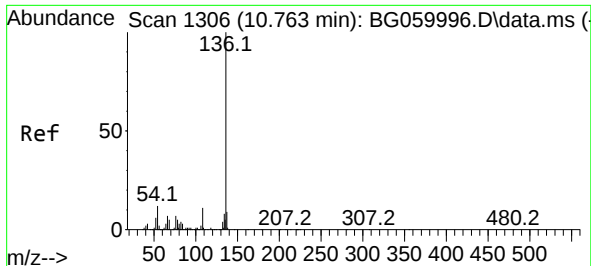
Tgt Ion: 99 Resp: 355896
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.4
71 44.8 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.167 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.356 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

Tgt Ion: 70 Resp: 32384
Ion Ratio Lower Upper
70 100
42 45.5 48.6 73.0#
101 0.0 5.7 8.5#
130 2.4 13.6 20.4#

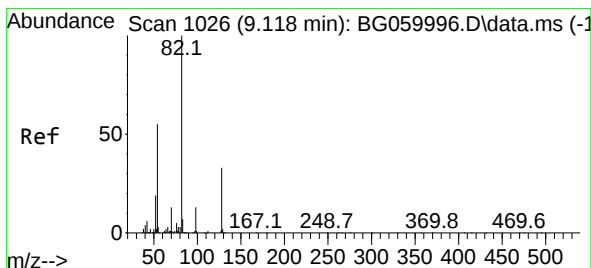
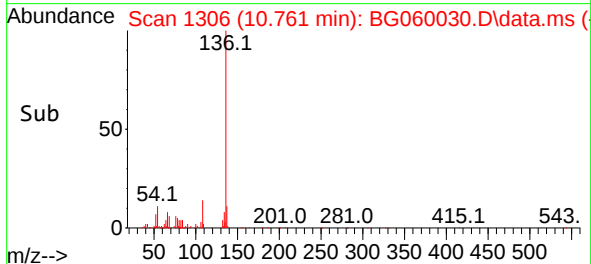
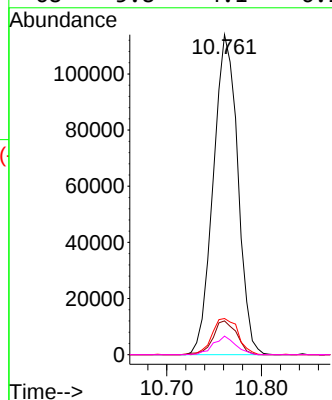
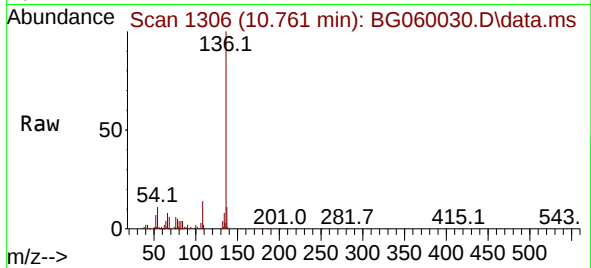




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

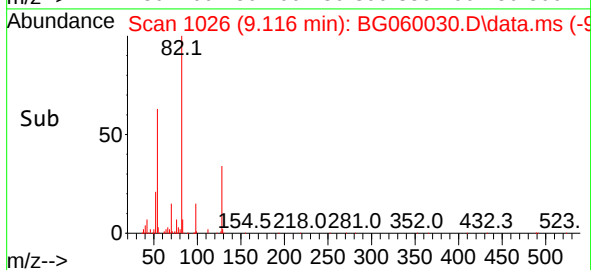
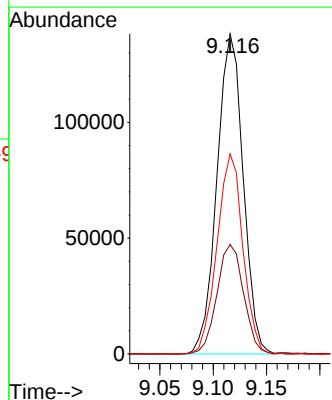
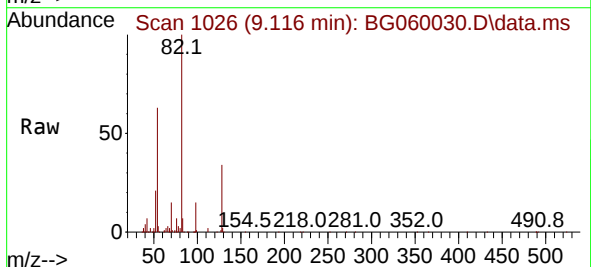
Instrument :
BNA_G
ClientSampleId :
PB157592TB

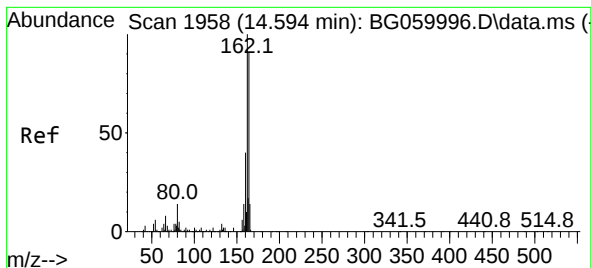
Tgt Ion:	136	Resp:	204239
Ion Ratio	Lower	Upper	
136	100		
137	10.5	7.3	10.9
54	11.3	9.6	14.4
68	5.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 52.537 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

Tgt Ion:	82	Resp:	236305
Ion Ratio	Lower	Upper	
82	100		
128	34.2	26.3	39.5
54	62.5	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: BG060030.D

Acq: 15 Dec 2023 11:06

Instrument :

BNA_G

ClientSampleId :

PB157592TB

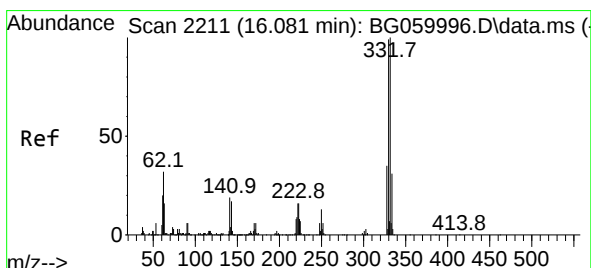
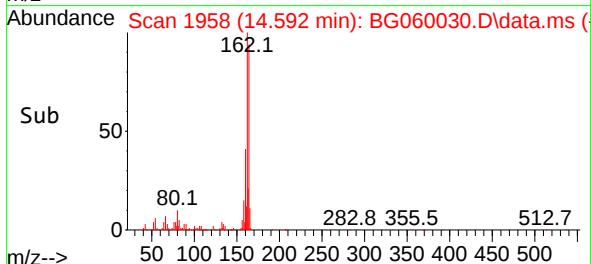
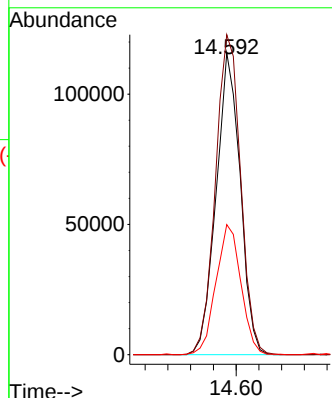
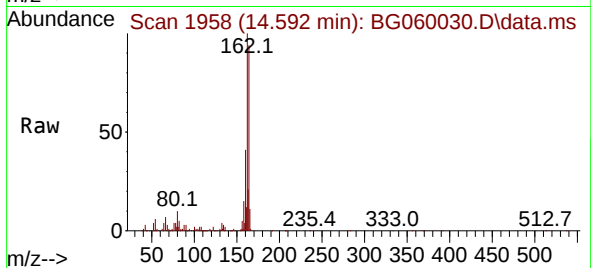
Tgt Ion:164 Resp: 170239

Ion Ratio Lower Upper

164 100

162 106.0 88.1 132.1

160 43.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 169.272 ng

RT: 16.084 min Scan# 2212

Delta R.T. 0.003 min

Lab File: BG060030.D

Acq: 15 Dec 2023 11:06

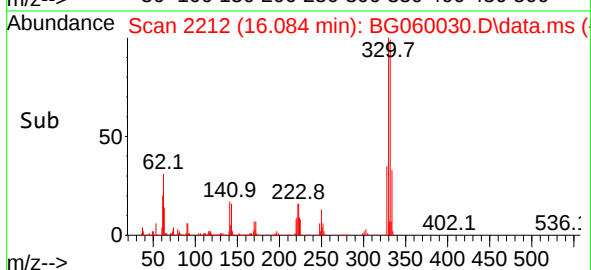
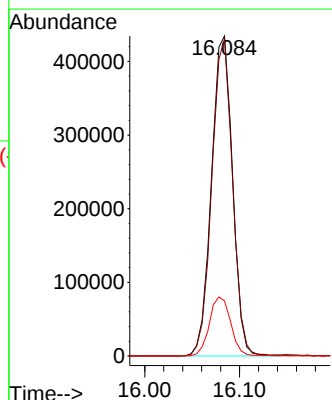
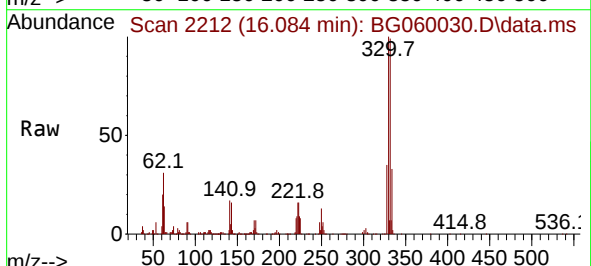
Tgt Ion:330 Resp: 671564

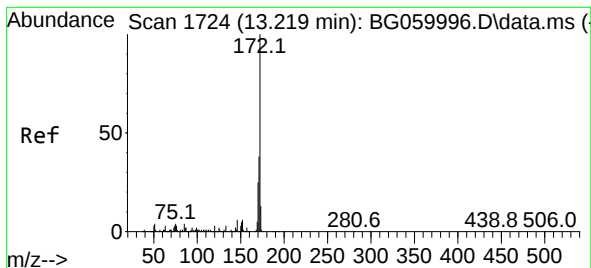
Ion Ratio Lower Upper

330 100

332 97.1 76.2 114.4

141 18.7 14.3 21.5

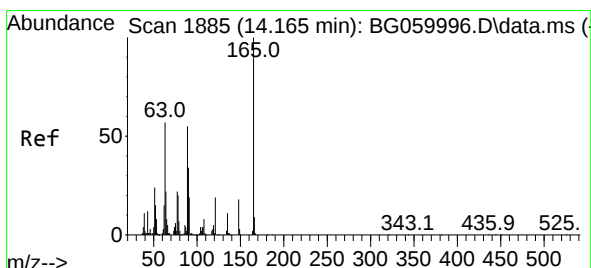
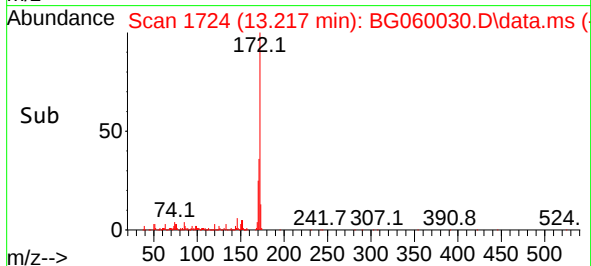
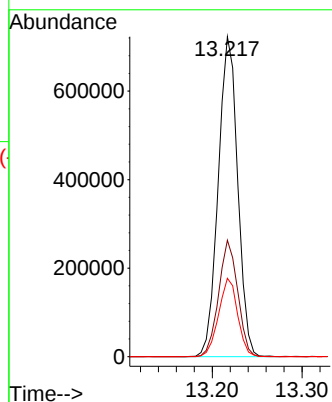
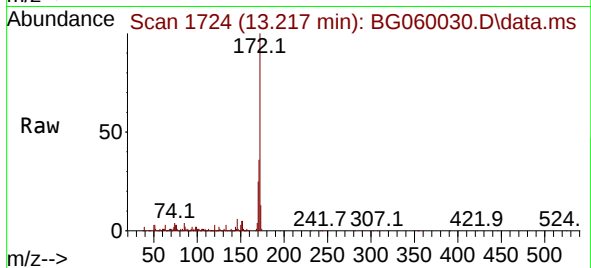




#45
2-Fluorobiphenyl
Concen: 78.152 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

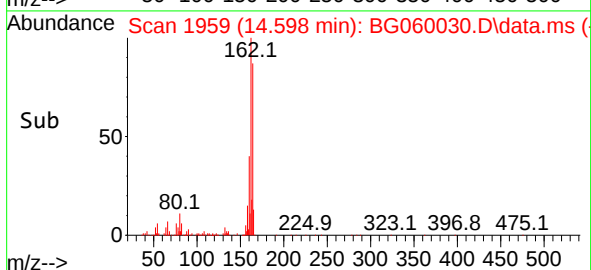
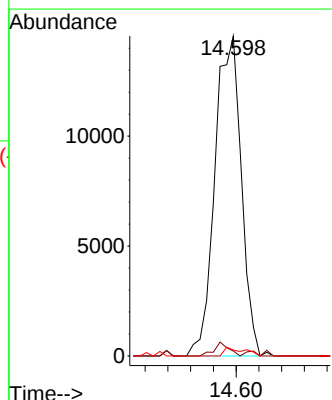
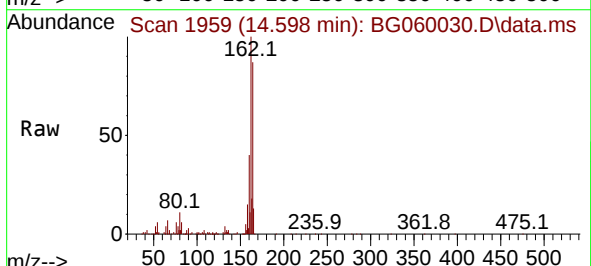
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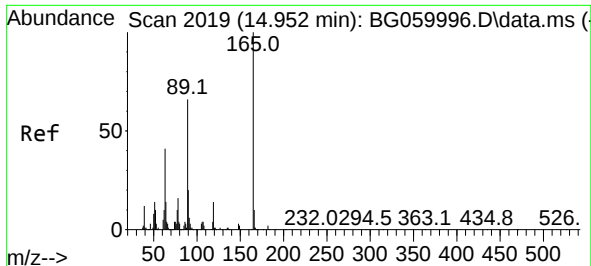
Tgt Ion:172 Resp: 1087058
Ion Ratio Lower Upper
172 100
171 36.4 30.1 45.1
170 24.5 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.548 ng
RT: 14.598 min Scan# 1959
Delta R.T. 0.432 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

Tgt Ion:165 Resp: 23398
Ion Ratio Lower Upper
165 100
63 1.6 48.2 72.2#
89 1.9 44.4 66.6#

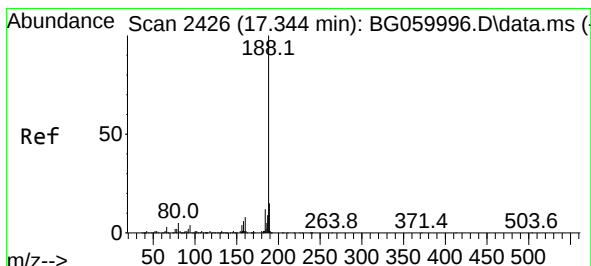
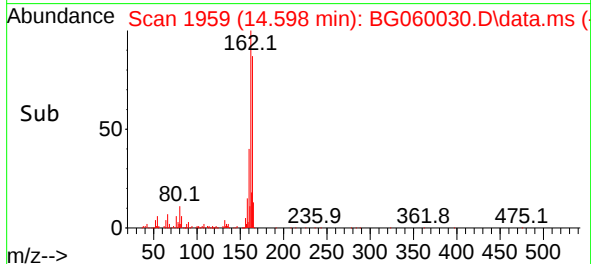
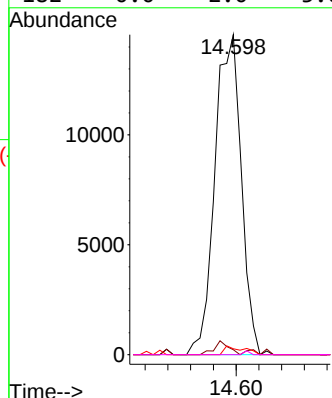
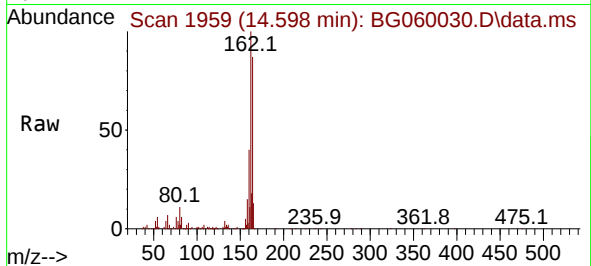




#57
2,4-Dinitrotoluene
Concen: 6.081 ng
RT: 14.598 min Scan# 1959
Delta R.T. -0.355 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

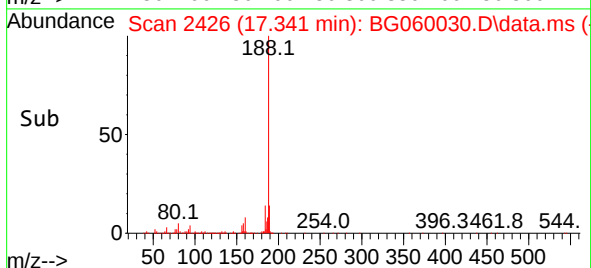
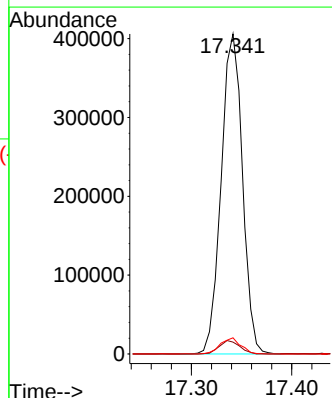
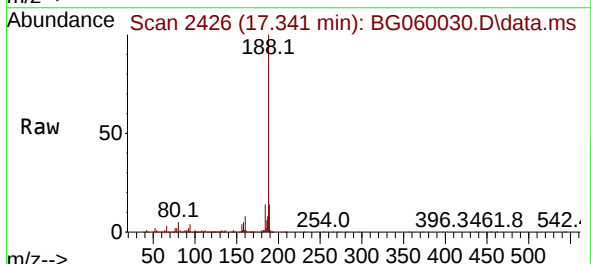
Instrument :
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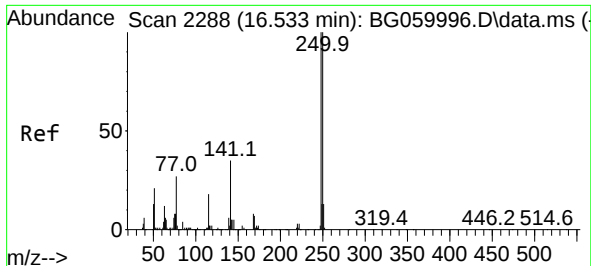
Tgt Ion:	165	Resp:	23398
Ion Ratio	Lower	Upper	
165	100		
63	1.6	32.8	49.2#
89	1.9	53.0	79.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

Tgt Ion:	188	Resp:	596787
Ion Ratio	Lower	Upper	
188	100		
94	3.7	3.0	4.6
80	5.1	4.0	6.0

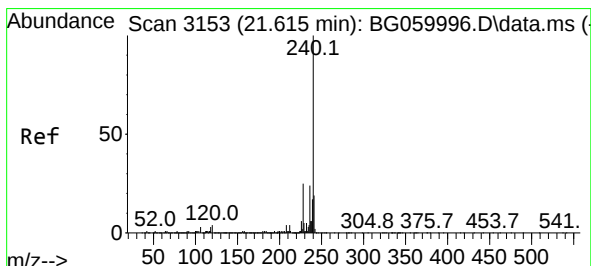
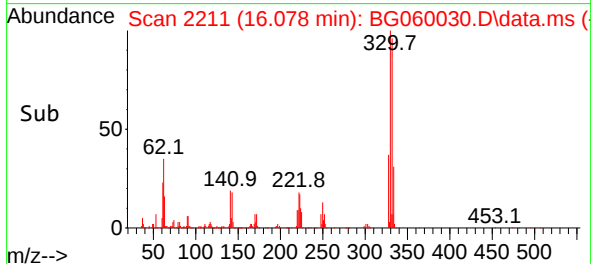
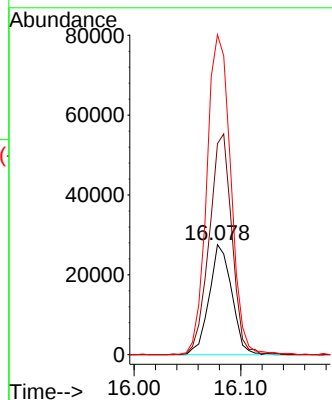
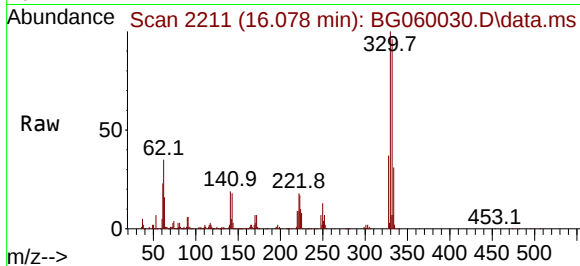




#67
4-Bromophenyl-phenylether
Concen: 4.835 ng
RT: 16.078 min Scan# 211
Delta R.T. -0.455 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

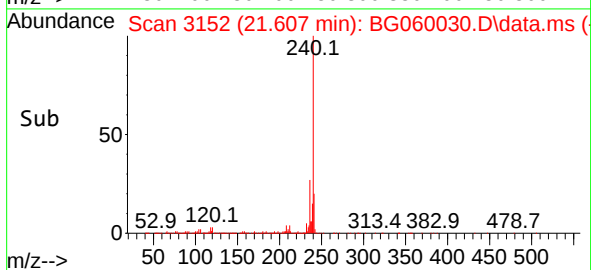
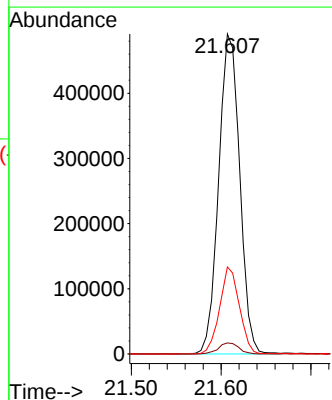
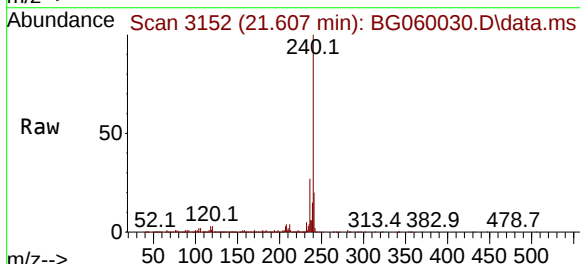
Instrument :
BNA_G
ClientSampleId :
PB157592TB

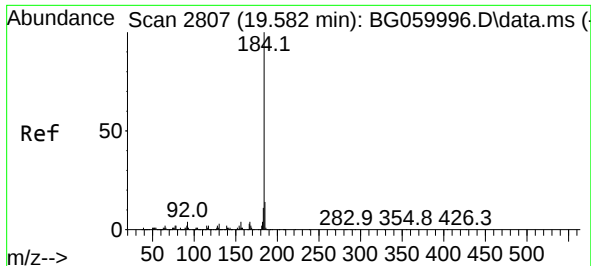
Tgt Ion:248 Resp: 40708
Ion Ratio Lower Upper
248 100
250 191.6 79.9 119.9#
141 290.7 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.607 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

Tgt Ion:240 Resp: 799188
Ion Ratio Lower Upper
240 100
120 3.5 2.9 4.3
236 27.2 19.4 29.2

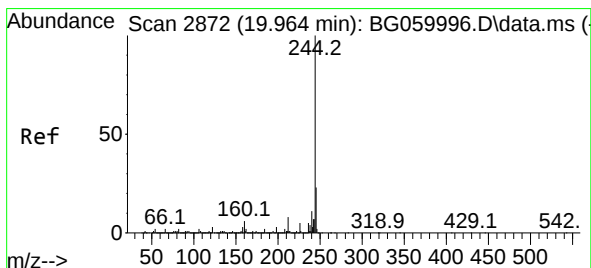
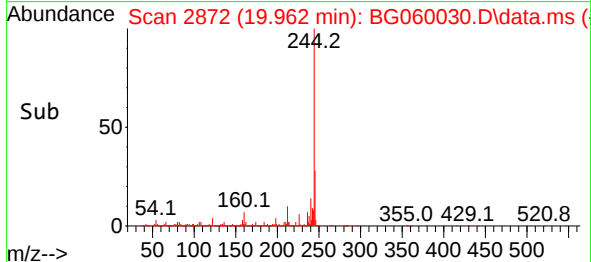
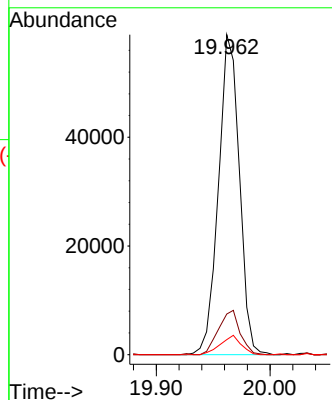
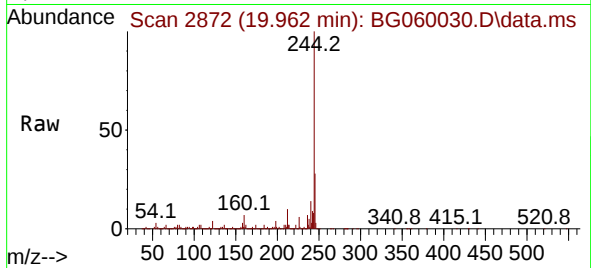




#77
Benzidine
Concen: 7.325 ng
RT: 19.962 min Scan# 2807
Delta R.T. 0.380 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

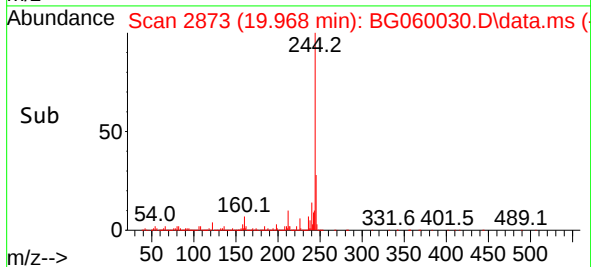
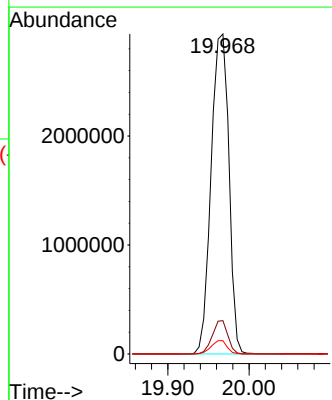
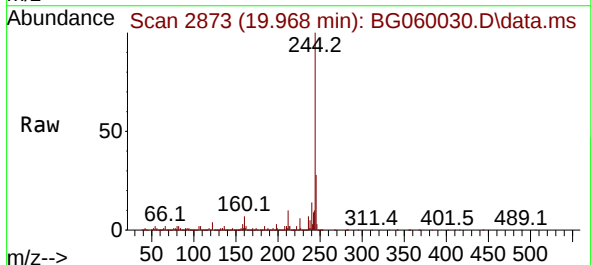
Instrument :
BNA_G
ClientSampleId :
PB157592TB

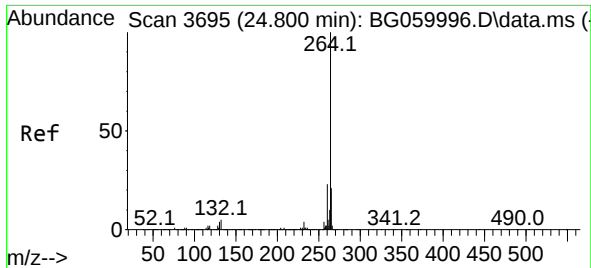
Tgt Ion:184 Resp: 75198
Ion Ratio Lower Upper
184 100
185 12.7 11.1 16.7
183 4.7 9.0 13.4#



#79
Terphenyl-d14
Concen: 101.951 ng
RT: 19.968 min Scan# 2873
Delta R.T. 0.003 min
Lab File: BG060030.D
Acq: 15 Dec 2023 11:06

Tgt Ion:244 Resp: 4462824
Ion Ratio Lower Upper
244 100
212 10.4 6.8 10.2#
122 4.2 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.797 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG060030.D
 Acq: 15 Dec 2023 11:06

Instrument :
 BNA_G
 ClientSampleId :
 PB157592TB

Tgt Ion:264 Resp: 947553

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	22.5	17.3	25.9

