

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059835.D
 Acq On : 23 Nov 2023 2:29
 Operator : MA/JU
 Sample : 05465-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11940

Quant Time: Nov 23 03:05:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

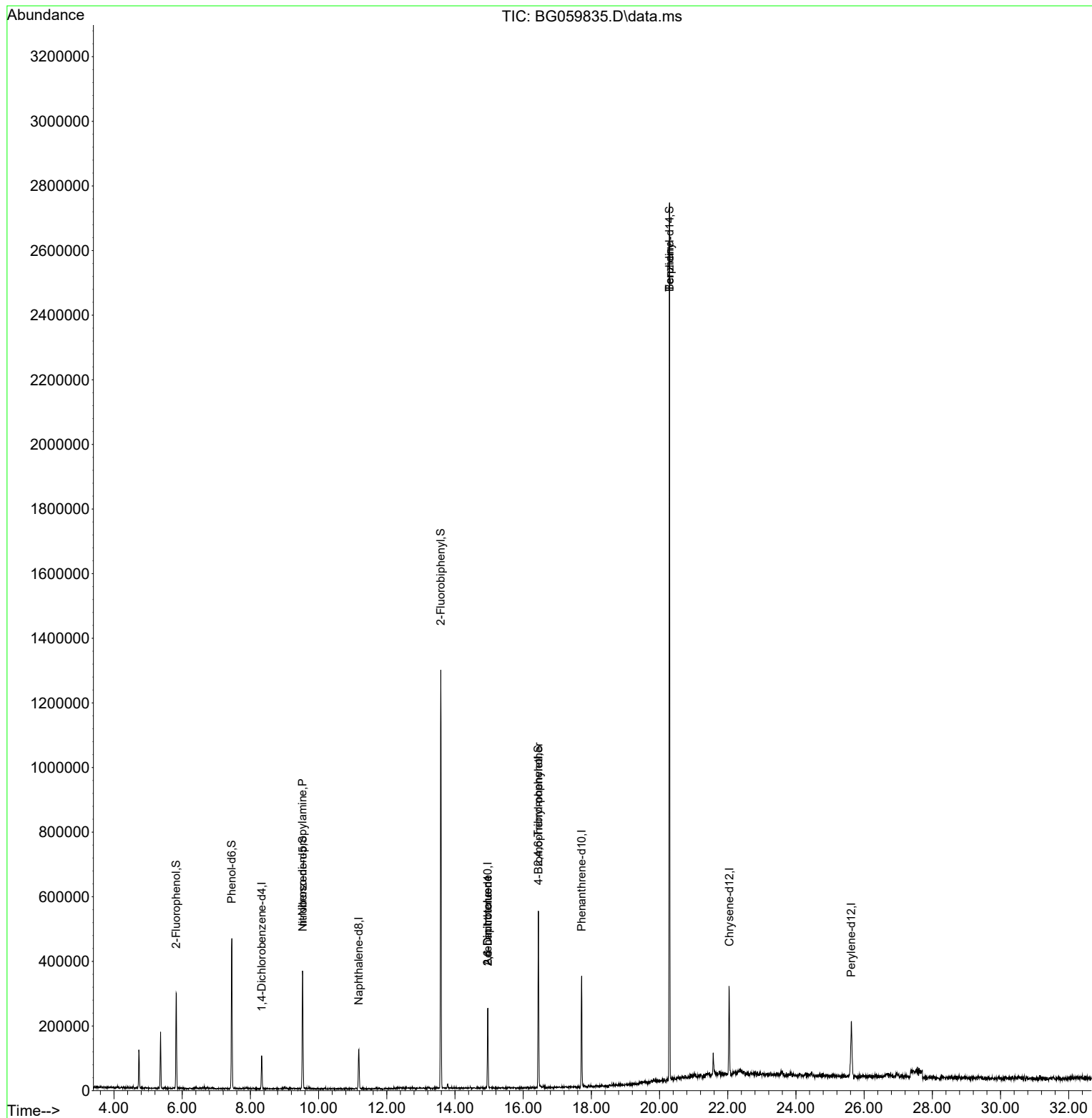
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.331	152	21924	20.000	ng	#-0.01
21) Naphthalene-d8	11.181	136	90408	20.000	ng	#-0.01
39) Acenaphthene-d10	14.959	164	76156	20.000	ng	-0.01
64) Phenanthrene-d10	17.714	188	192571	20.000	ng	# 0.00
76) Chrysene-d12	22.044	240	158482	20.000	ng	# 0.00
86) Perylene-d12	25.622	264	189094	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	109772	84.274	ng	0.00
7) Phenol-d6	7.450	99	209121	108.337	ng	0.00
23) Nitrobenzene-d5	9.535	82	222747	94.097	ng	0.00
42) 2,4,6-Tribromophenol	16.445	330	74097	85.752	ng	-0.01
45) 2-Fluorobiphenyl	13.584	172	568563	100.493	ng	-0.01
79) Terphenyl-d14	20.293	244	1137685	105.974	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.530	70	35809	23.558	ng	# 84
51) 2,6-Dinitrotoluene	14.959	165	12403	11.078	ng	# 2
57) 2,4-Dinitrotoluene	14.959	165	12403	7.204	ng	# 5
67) 4-Bromophenyl-phenylether	16.451	248	6180	2.987	ng	# 1
77) Benzidine	20.293	184	33134	9.220	ng	# 94

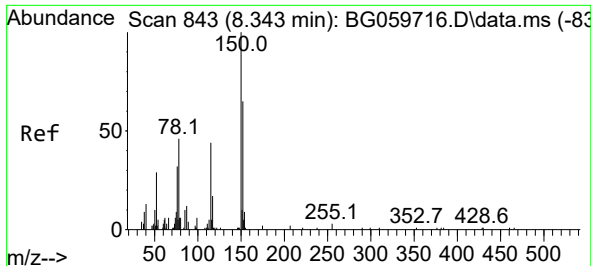
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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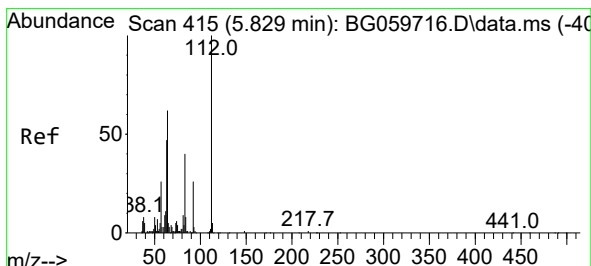
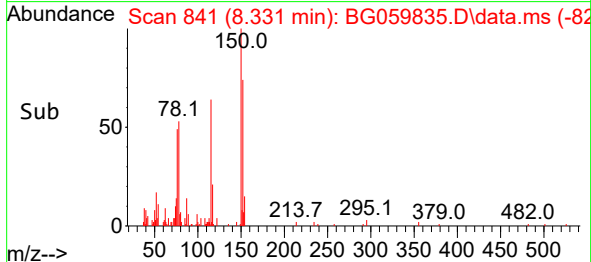
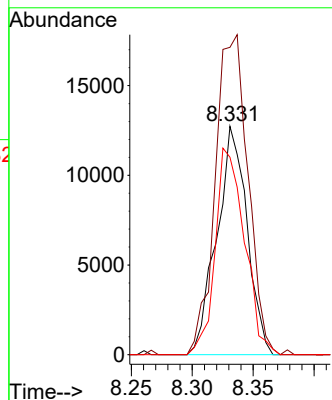
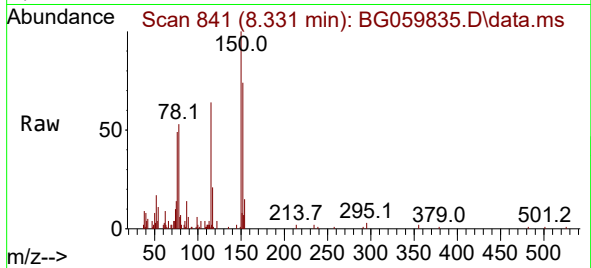




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.331 min Scan# 843
Delta R.T. -0.012 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

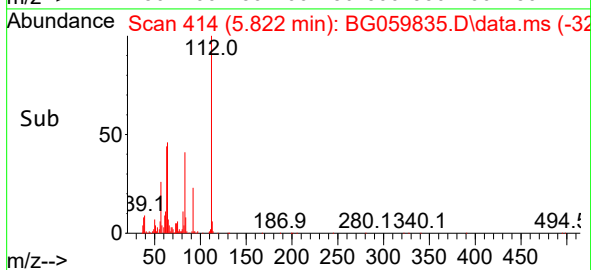
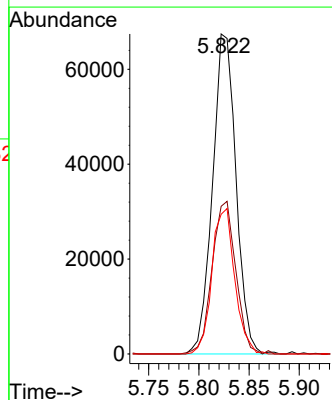
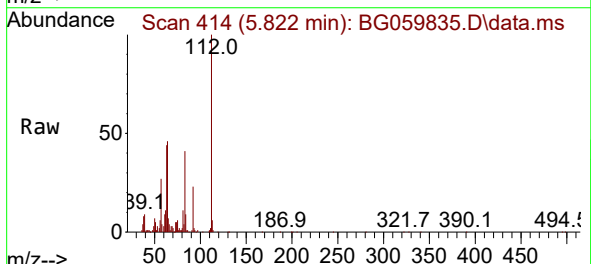
Instrument :
BNA_G
ClientSampleId :
72-11940

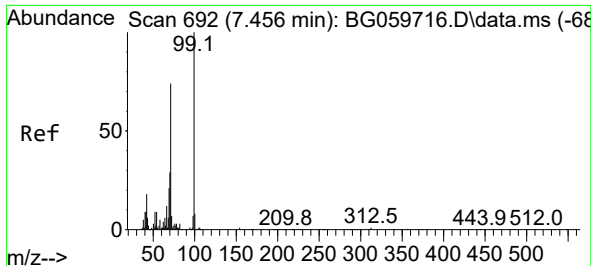
Tgt Ion:152 Resp: 21924
Ion Ratio Lower Upper
152 100
150 134.6 122.2 183.4
115 86.5 54.2 81.4#



#5
2-Fluorophenol
Concen: 84.274 ng
RT: 5.822 min Scan# 414
Delta R.T. -0.007 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

Tgt Ion:112 Resp: 109772
Ion Ratio Lower Upper
112 100
64 46.2 49.5 74.3#
63 43.7 37.4 56.2

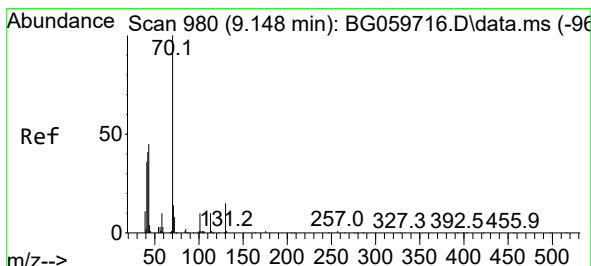
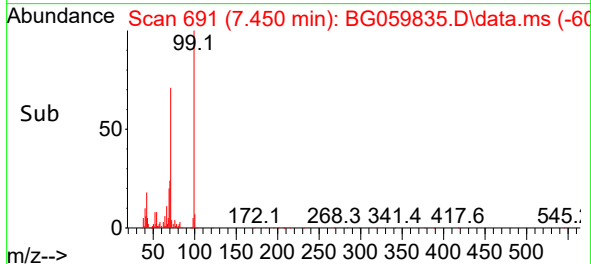
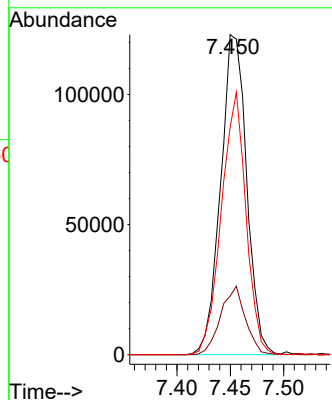
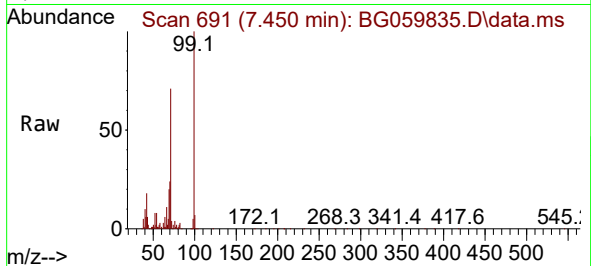




#7
Phenol-d6
Concen: 108.337 ng
RT: 7.450 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

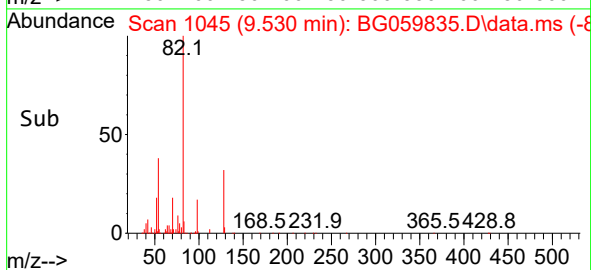
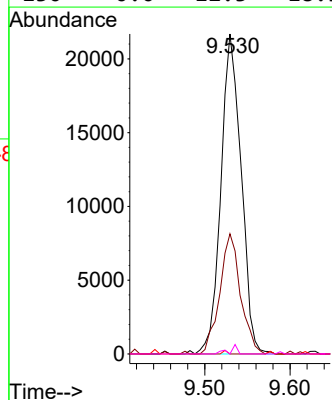
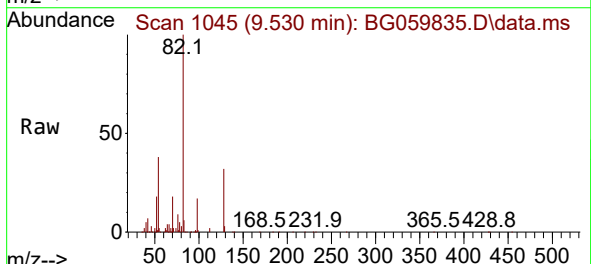
Instrument :
BNA_G
ClientSampleId :
72-11940

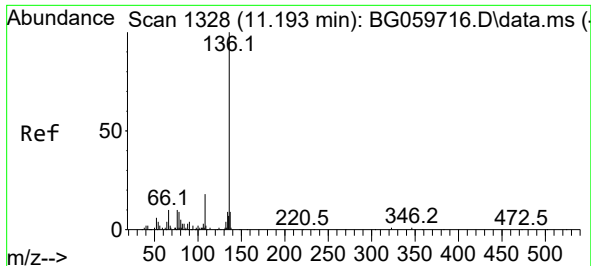
Tgt Ion: 99 Resp: 209121
Ion Ratio Lower Upper
99 100
42 18.3 14.3 21.5
71 71.0 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 23.558 ng
RT: 9.530 min Scan# 1045
Delta R.T. 0.381 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

Tgt Ion: 70 Resp: 35809
Ion Ratio Lower Upper
70 100
42 37.5 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

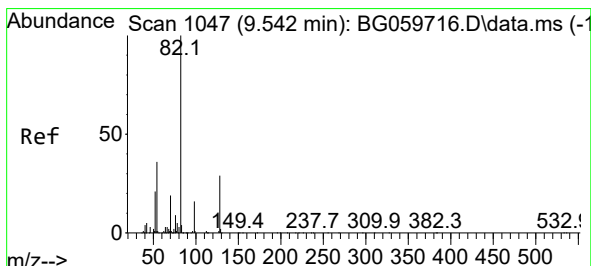
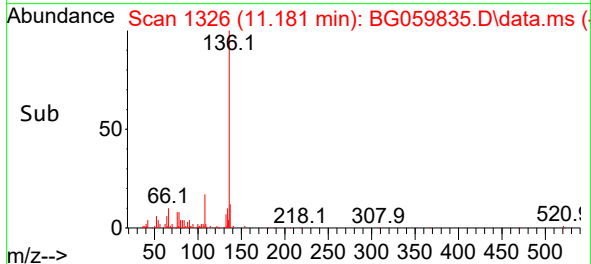
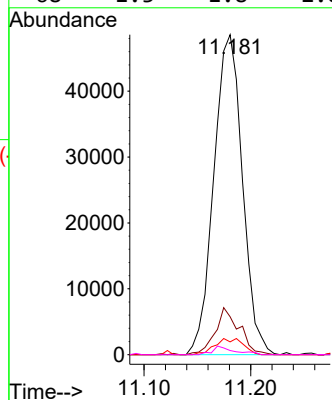
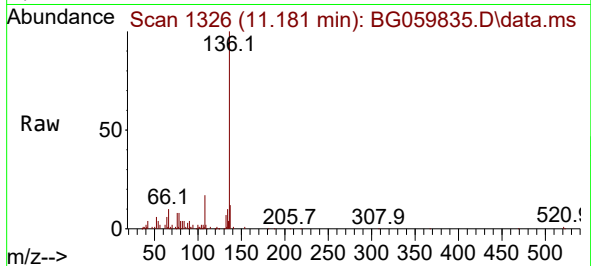




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.181 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

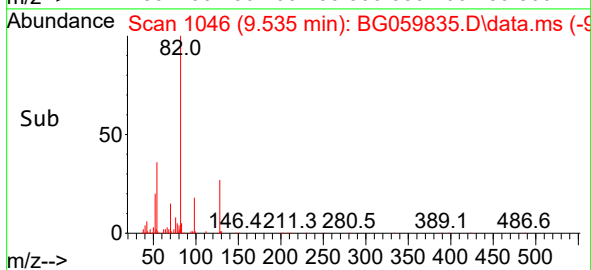
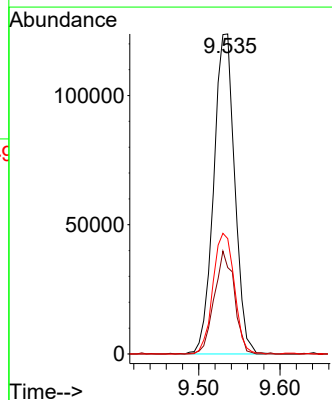
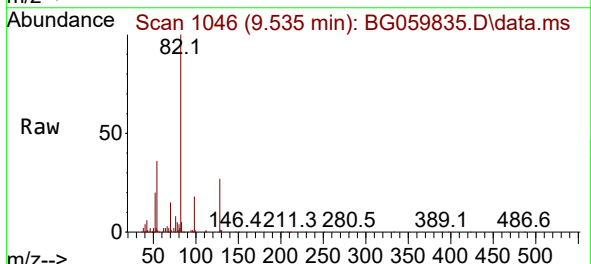
Instrument :
BNA_G
ClientSampleId :
72-11940

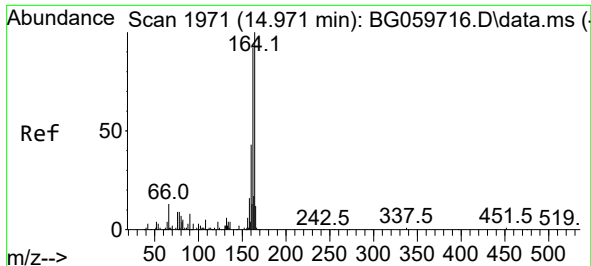
Tgt Ion:	136	Resp:	90408
Ion Ratio	Lower	Upper	
136	100		
137	11.9	7.4	11.0#
54	4.0	3.1	4.7
68	1.3	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 94.097 ng
RT: 9.535 min Scan# 1046
Delta R.T. -0.007 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

Tgt Ion:	82	Resp:	222747
Ion Ratio	Lower	Upper	
82	100		
128	27.0	23.0	34.6
54	36.1	28.7	43.1

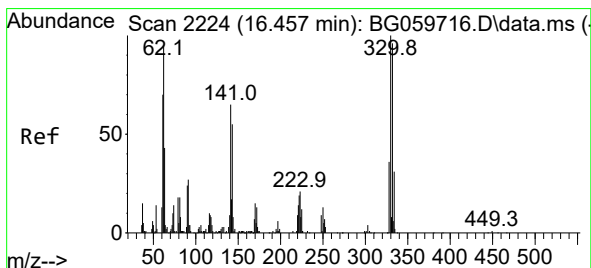
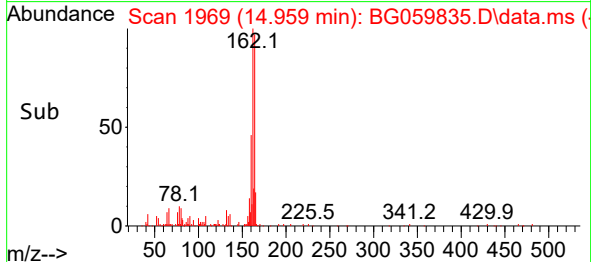
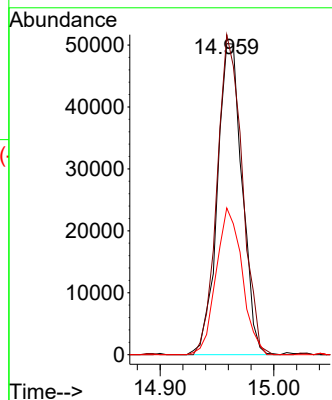
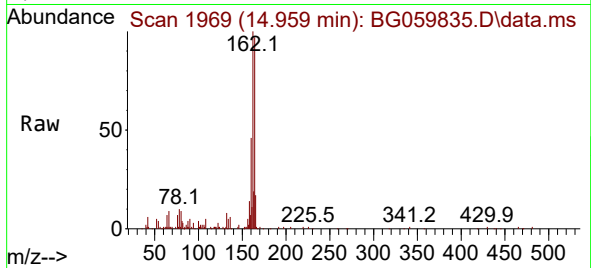




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.959 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

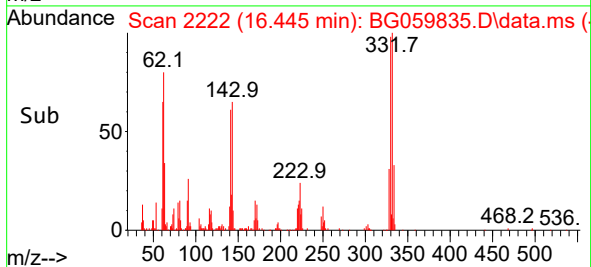
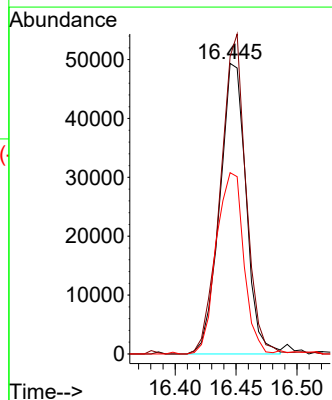
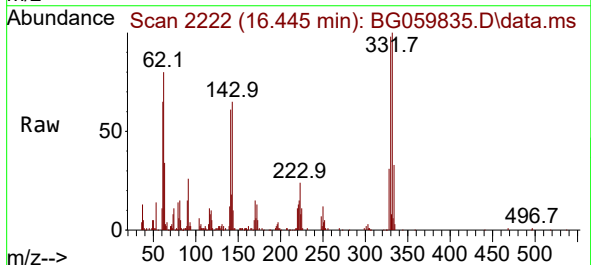
Instrument :
BNA_G
ClientSampleId :
72-11940

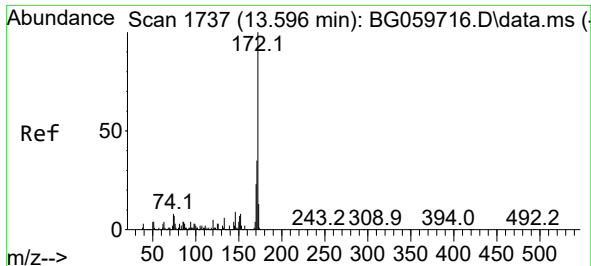
Tgt Ion:164 Resp: 76156
Ion Ratio Lower Upper
164 100
162 102.9 73.3 109.9
160 47.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 85.752 ng
RT: 16.445 min Scan# 2222
Delta R.T. -0.012 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

Tgt Ion:330 Resp: 74097
Ion Ratio Lower Upper
330 100
332 107.2 73.3 109.9
141 65.1 52.1 78.1

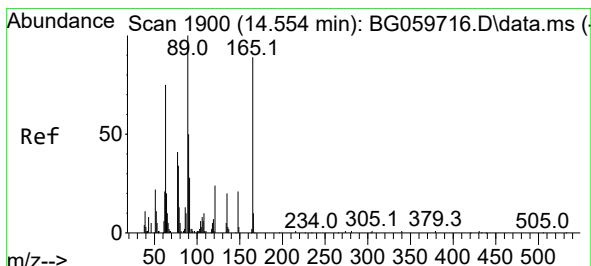
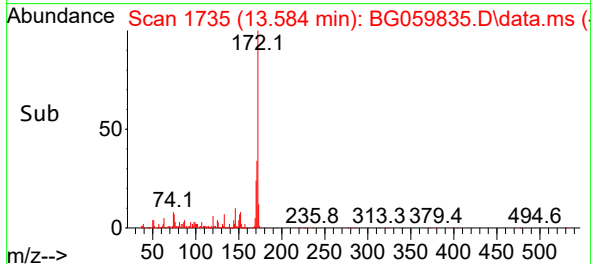
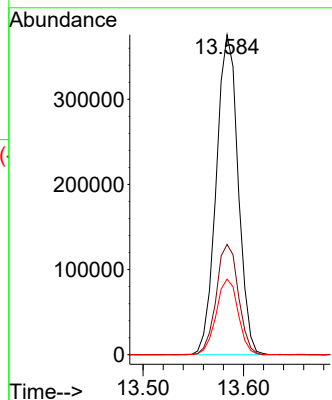
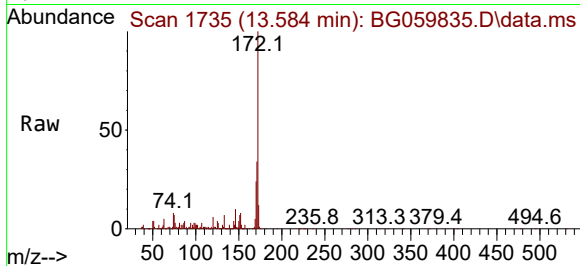




#45
2-Fluorobiphenyl
Concen: 100.493 ng
RT: 13.584 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

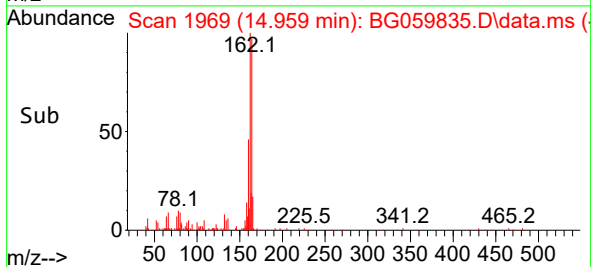
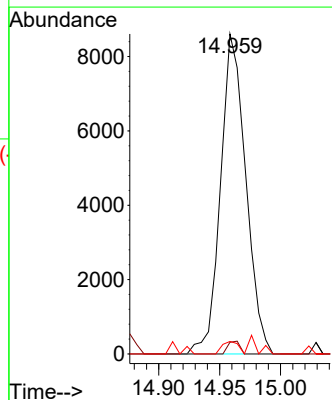
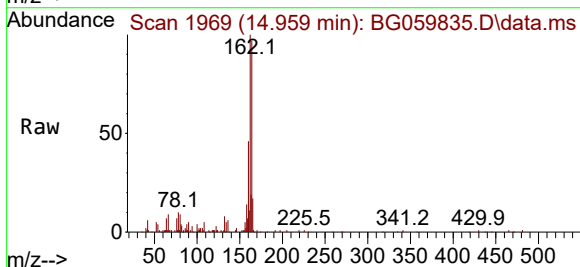
Instrument :
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ClientSampleId :
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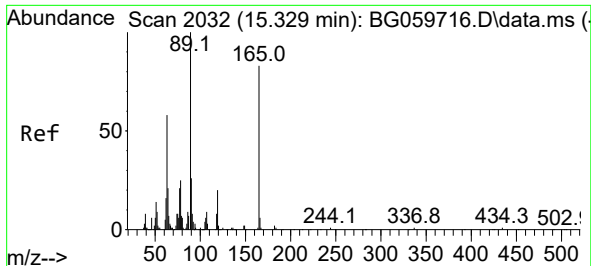
Tgt Ion:172 Resp: 568563
Ion Ratio Lower Upper
172 100
171 34.5 27.7 41.5
170 23.6 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 11.078 ng
RT: 14.959 min Scan# 1969
Delta R.T. 0.405 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

Tgt Ion:165 Resp: 12403
Ion Ratio Lower Upper
165 100
63 3.7 75.3 112.9#
89 3.9 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 7.204 ng

RT: 14.959 min Scan# 1969

Delta R.T. -0.371 min

Lab File: BG059835.D

Acq: 23 Nov 2023 2:29

Instrument :

BNA_G

ClientSampleId :

72-11940

Tgt Ion:165 Resp: 12403

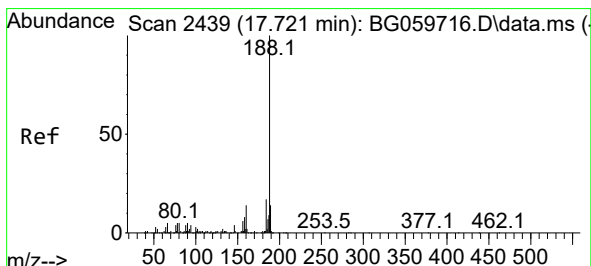
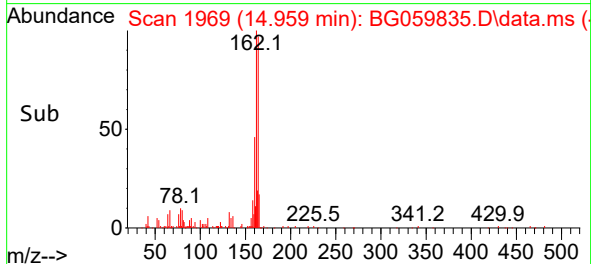
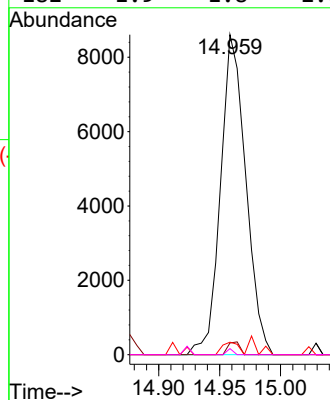
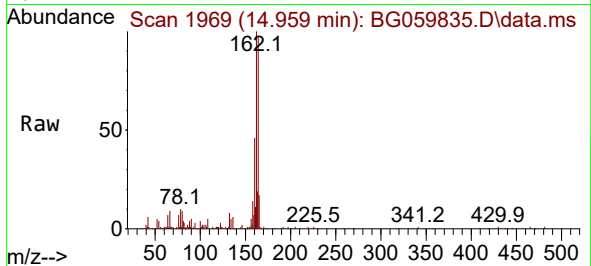
Ion Ratio Lower Upper

165 100

63 3.7 55.8 83.8#

89 3.9 96.9 145.3#

182 1.9 1.8 2.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.714 min Scan# 2438

Delta R.T. -0.007 min

Lab File: BG059835.D

Acq: 23 Nov 2023 2:29

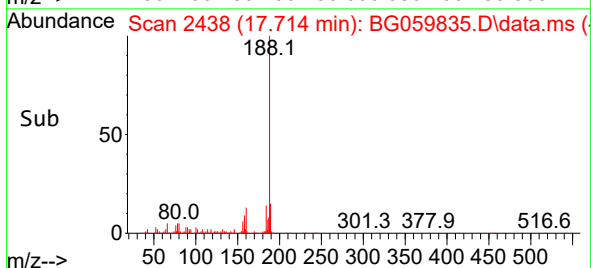
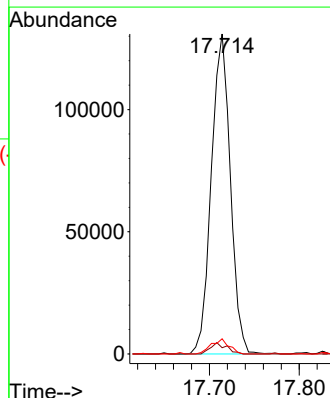
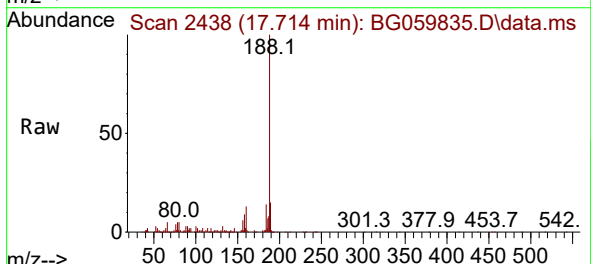
Tgt Ion:188 Resp: 192571

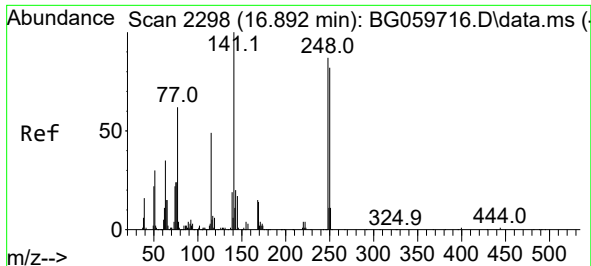
Ion Ratio Lower Upper

188 100

94 2.0 3.0 4.4#

80 4.7 4.2 6.4

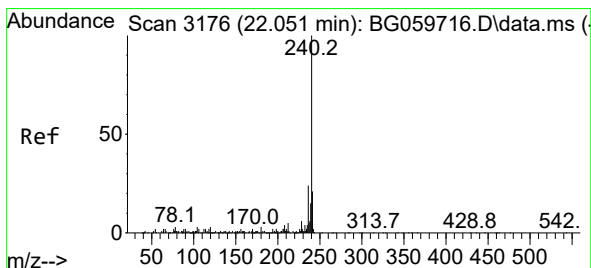
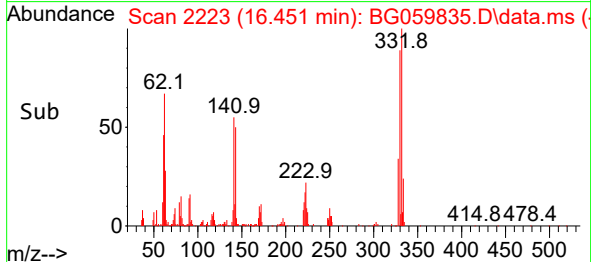
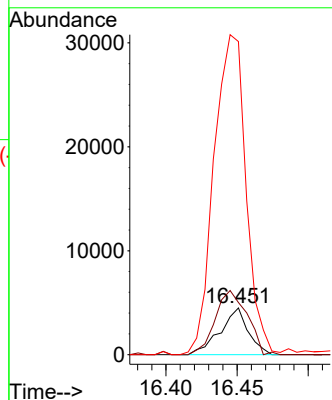
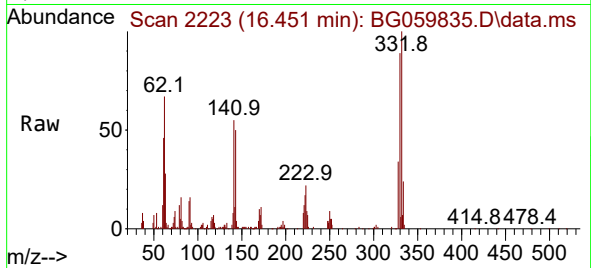




#67
4-Bromophenyl-phenylether
Concen: 2.987 ng
RT: 16.451 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

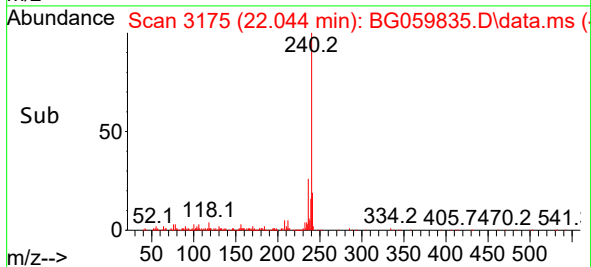
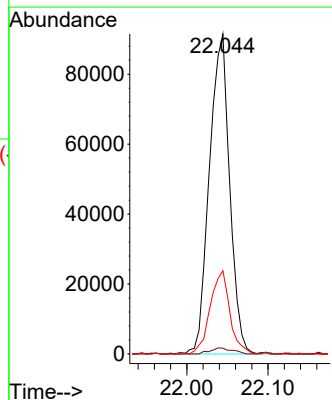
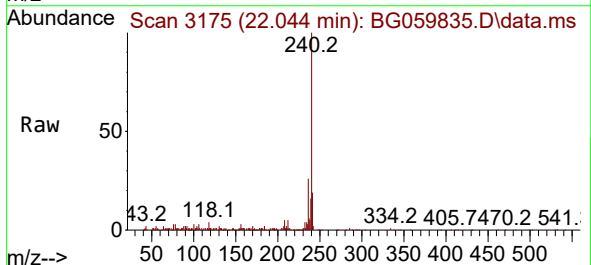
Instrument :
BNA_G
ClientSampleId :
72-11940

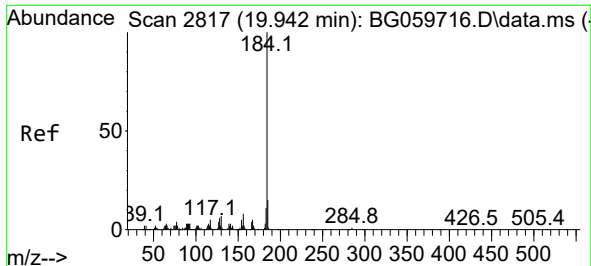
Tgt Ion:248 Resp: 6180
Ion Ratio Lower Upper
248 100
250 124.9 75.2 112.8#
141 492.3 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.044 min Scan# 3175
Delta R.T. -0.007 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

Tgt Ion:240 Resp: 158482
Ion Ratio Lower Upper
240 100
120 1.8 2.2 3.2#
236 26.0 19.4 29.2

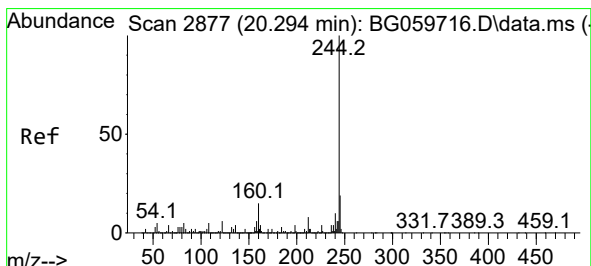
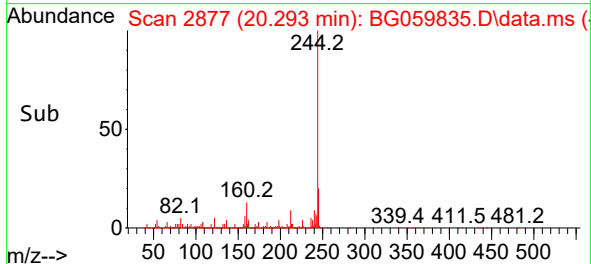
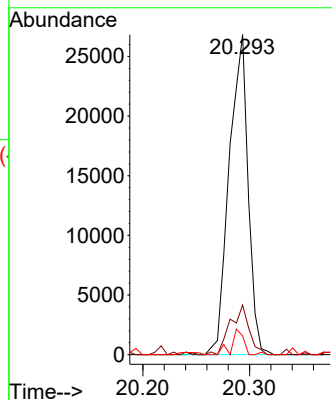
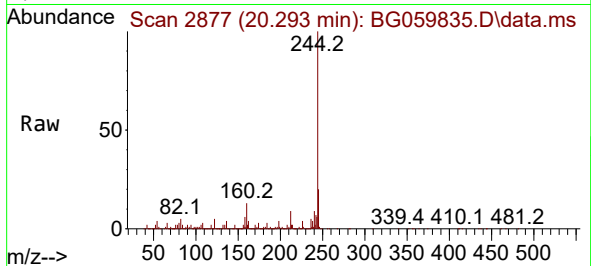




#77
Benzidine
Concen: 9.220 ng
RT: 20.293 min Scan# 2817
Delta R.T. 0.352 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

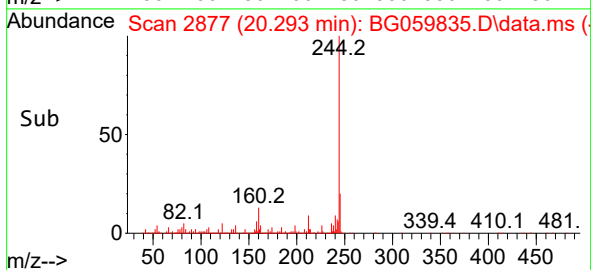
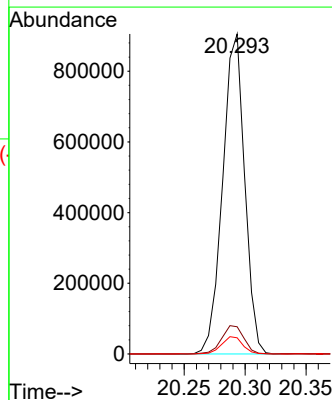
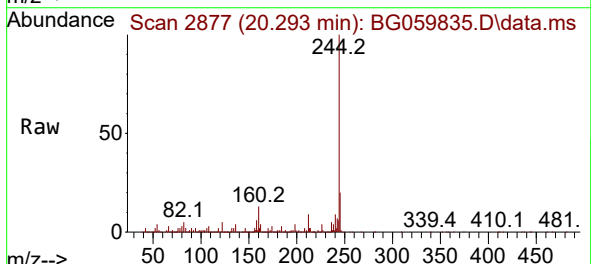
Instrument :
BNA_G
ClientSampleId :
72-11940

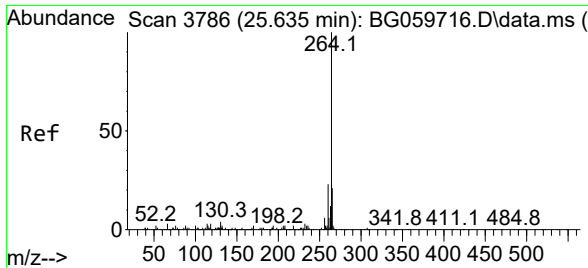
Tgt Ion:184 Resp: 33134
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.2
183 5.9 8.8 13.2#



#79
Terphenyl-d14
Concen: 105.974 ng
RT: 20.293 min Scan# 2877
Delta R.T. -0.001 min
Lab File: BG059835.D
Acq: 23 Nov 2023 2:29

Tgt Ion:244 Resp: 1137685
Ion Ratio Lower Upper
244 100
212 8.5 6.6 10.0
122 5.1 4.4 6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.622 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BG059835.D
 Acq: 23 Nov 2023 2:29

Instrument :
 BNA_G
 ClientSampleId :
 72-11940

Tgt Ion:264 Resp: 189094

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	24.9	17.0	25.6

