

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059890.D
 Acq On : 25 Nov 2023 13:58
 Operator : MA/JU
 Sample : 05470-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1

Quant Time: Nov 27 03:21:55 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 24 15:11:07 2023
 Response via : Initial Calibration

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

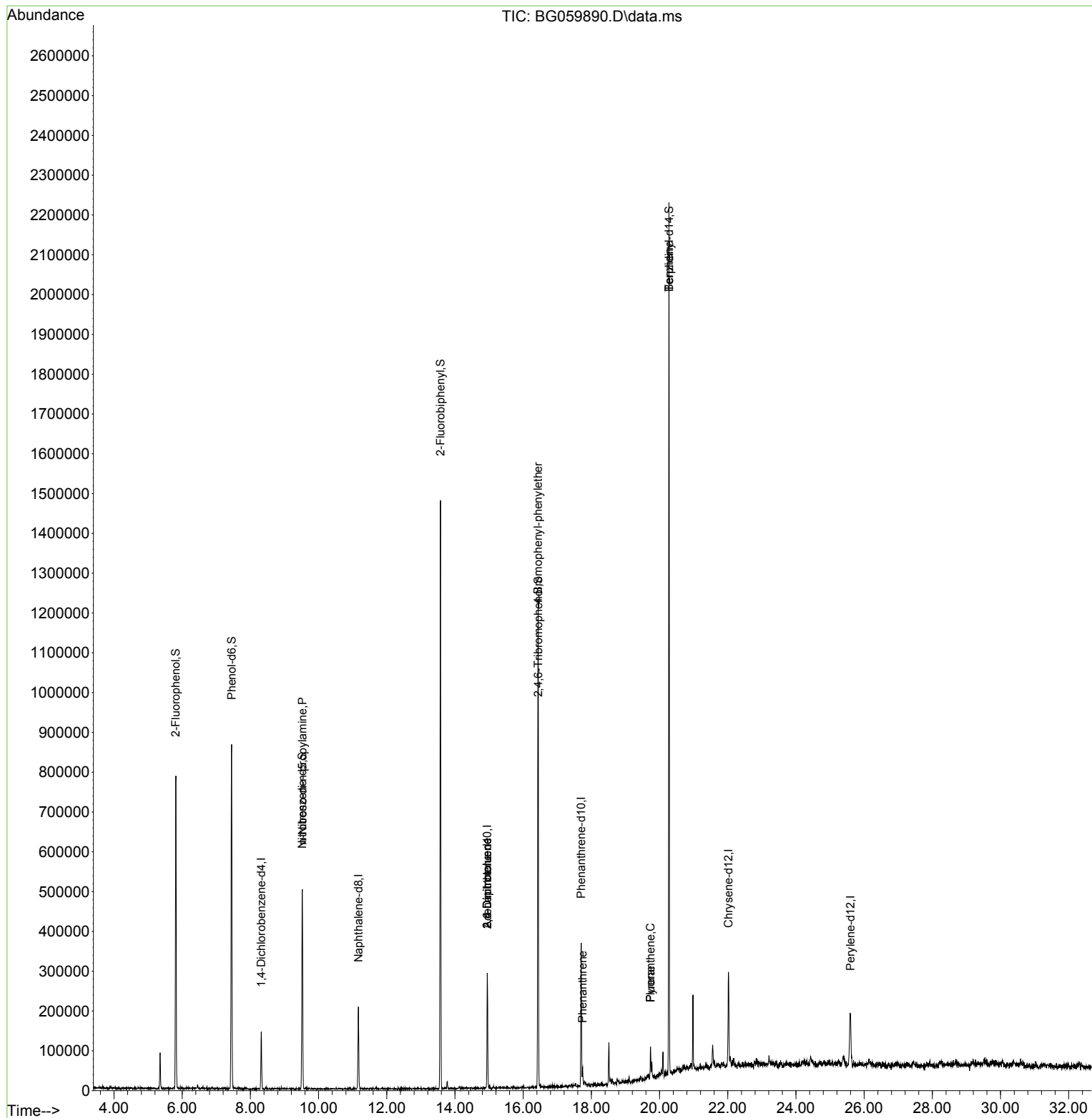
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	27586	20.000	ng	# 0.00
21) Naphthalene-d8	11.167	136	143187	20.000	ng	# 0.00
39) Acenaphthene-d10	14.945	164	91632	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	189261	20.000	ng	# 0.00
76) Chrysene-d12	22.019	240	136404	20.000	ng	#-0.01
86) Perylene-d12	25.598	264	156175	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.809	112	281819	171.950	ng	0.00
7) Phenol-d6	7.448	99	406337	167.301	ng	0.00
23) Nitrobenzene-d5	9.516	82	325651	86.860	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	178438	171.628	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	623231	91.551	ng	0.00
79) Terphenyl-d14	20.274	244	883416	95.609	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.522	70	51079	26.706	ng	# 81
51) 2,6-Dinitrotoluene	14.945	165	12853	9.541	ng	# 1
57) 2,4-Dinitrotoluene	14.945	165	12853	6.204	ng	# 2
67) 4-Bromophenyl-phenylether	16.432	248	10493	5.161	ng	# 1
71) Phenanthrene	17.742	178	23106	2.401	ng	# 92
75) Fluoranthene	19.734	202	40212	3.485	ng	99
77) Benzidine	20.274	184	24015	7.764	ng	# 88
78) Pyrene	19.734	202	40212	4.333	ng	99

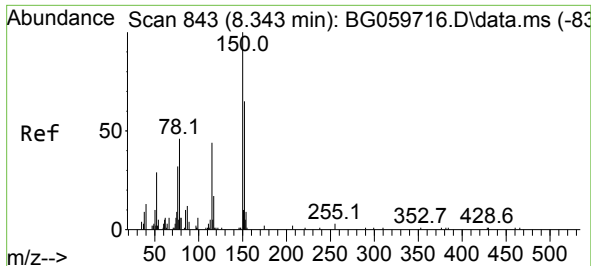
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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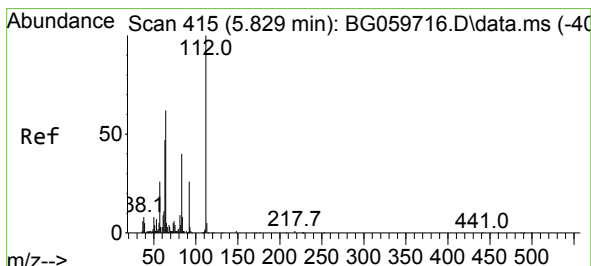
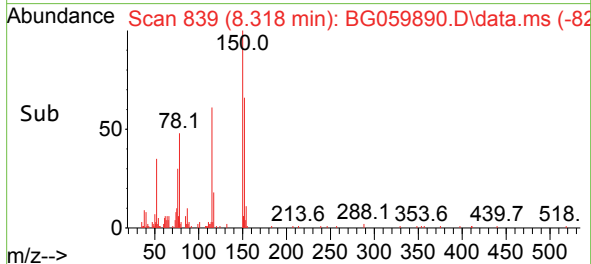
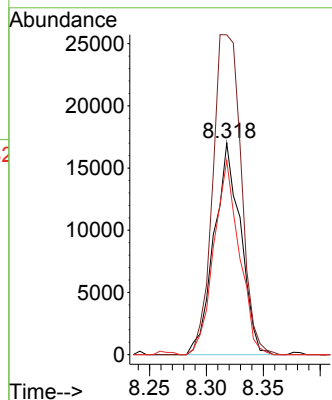
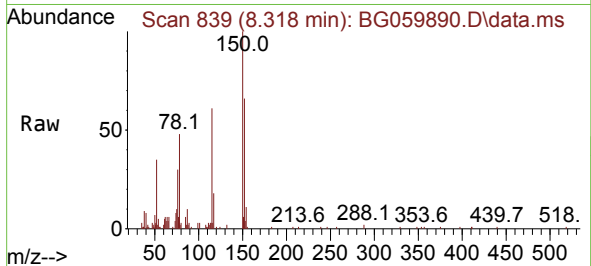




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.318 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

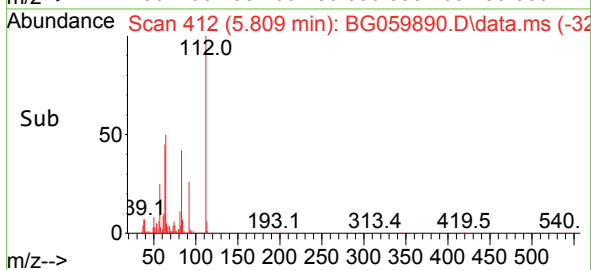
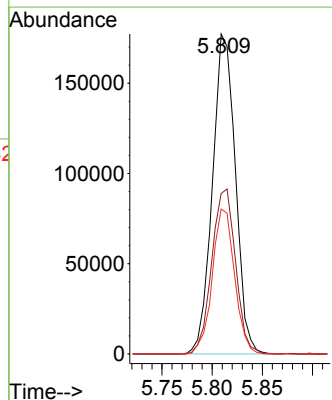
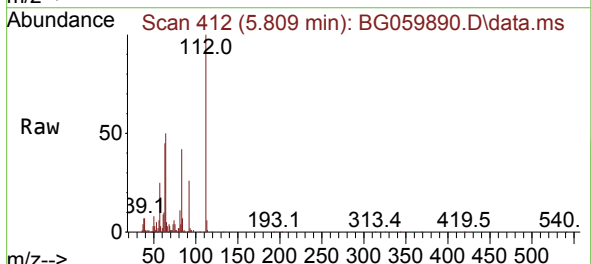
Instrument :
BNA_G
ClientSampleId :
SB-1

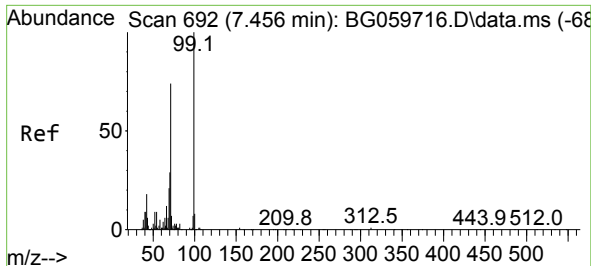
Tgt Ion:152 Resp: 27586
Ion Ratio Lower Upper
152 100
150 151.1 122.2 183.4
115 91.7 54.2 81.4#



#5
2-Fluorophenol
Concen: 171.950 ng
RT: 5.809 min Scan# 412
Delta R.T. -0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion:112 Resp: 281819
Ion Ratio Lower Upper
112 100
64 50.2 49.5 74.3
63 45.3 37.4 56.2

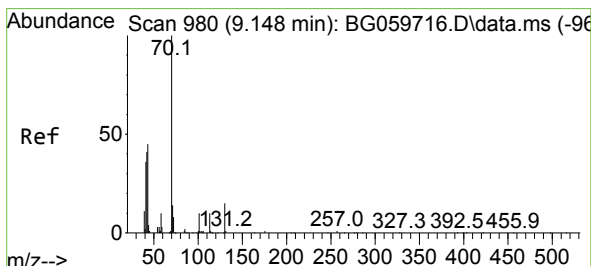
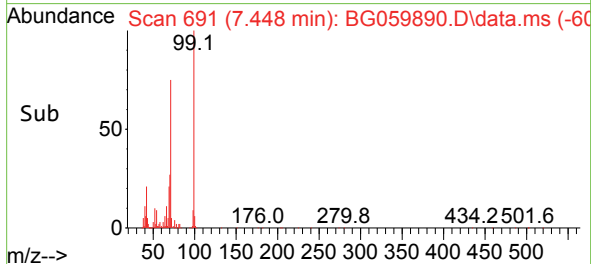
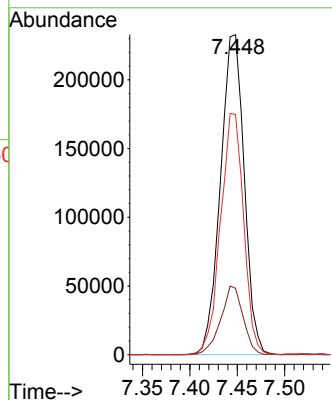
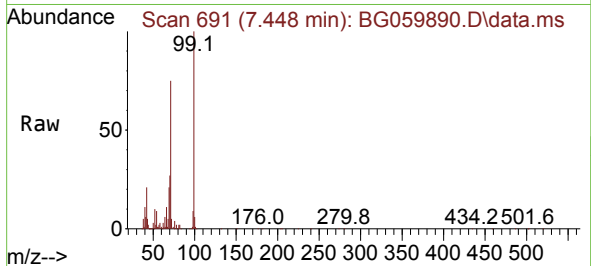




#7
Phenol-d6
Concen: 167.301 ng
RT: 7.448 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

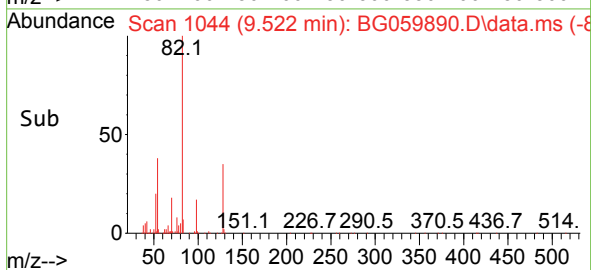
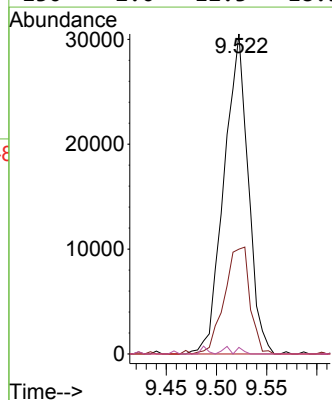
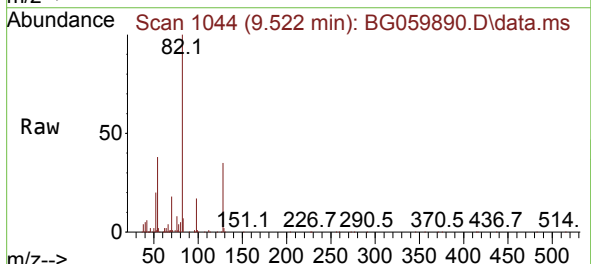
Instrument :
BNA_G
ClientSampleId :
SB-1

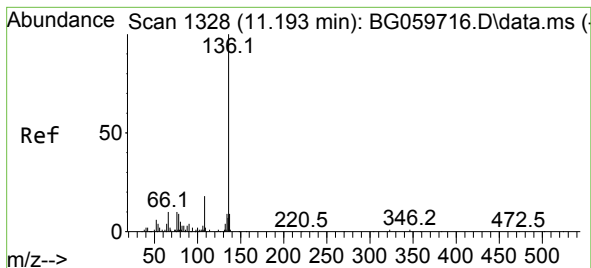
Tgt Ion: 99 Resp: 406337
Ion Ratio Lower Upper
99 100
42 20.8 14.3 21.5
71 75.0 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 26.706 ng
RT: 9.522 min Scan# 1044
Delta R.T. 0.391 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion: 70 Resp: 51079
Ion Ratio Lower Upper
70 100
42 32.8 32.8 49.2#
101 0.0 7.7 11.5#
130 2.0 12.3 18.5#

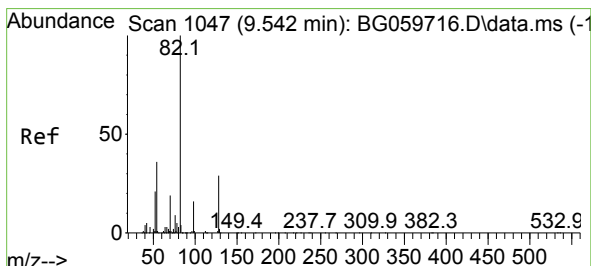
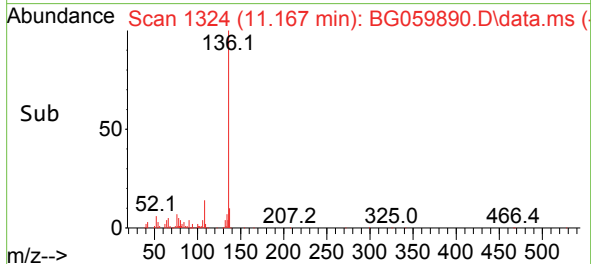
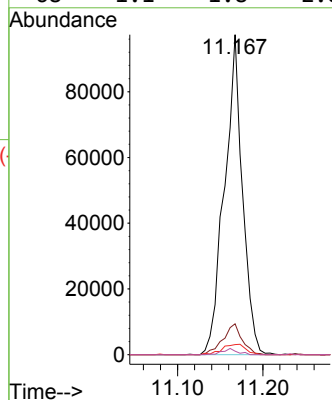
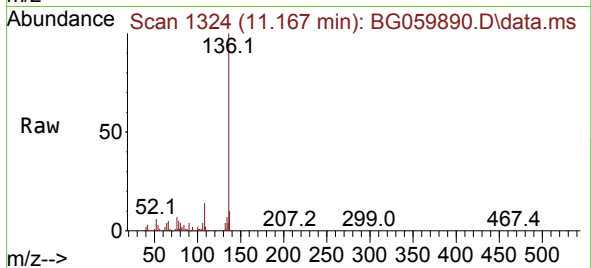




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

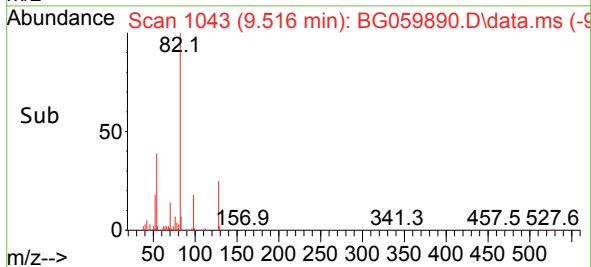
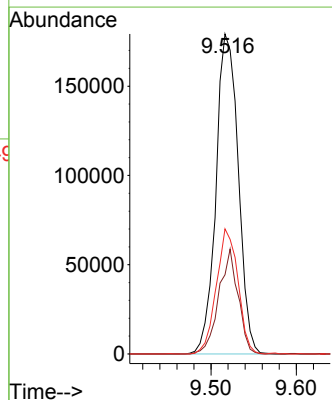
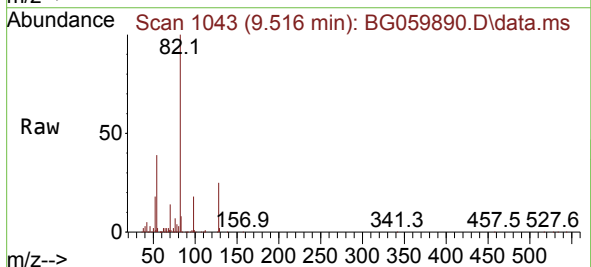
Instrument :
BNA_G
ClientSampleId :
SB-1

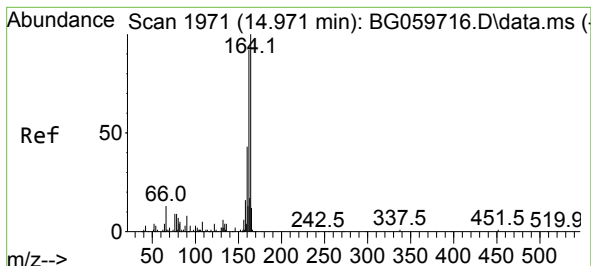
Tgt Ion:136 Resp: 143187
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.0
54 3.1 3.1 4.7
68 1.1 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 86.860 ng
RT: 9.516 min Scan# 1043
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion: 82 Resp: 325651
Ion Ratio Lower Upper
82 100
128 24.7 23.0 34.6
54 39.1 28.7 43.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.945 min Scan# 1967

Delta R.T. -0.009 min

Lab File: BG059890.D

Acq: 25 Nov 2023 13:58

Instrument :

BNA_G

ClientSampleId :

SB-1

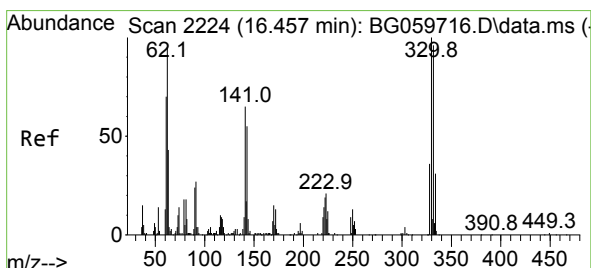
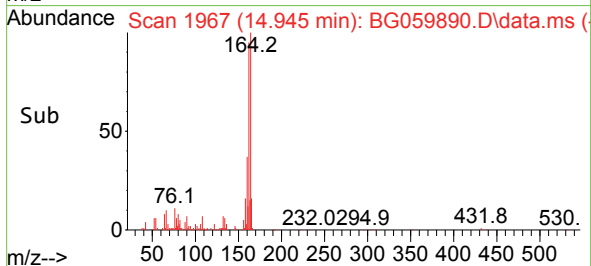
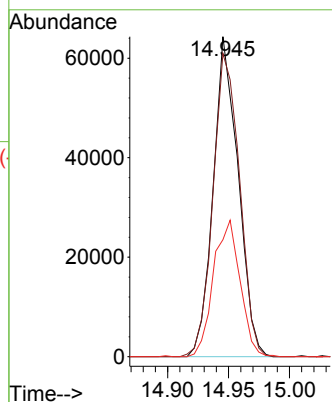
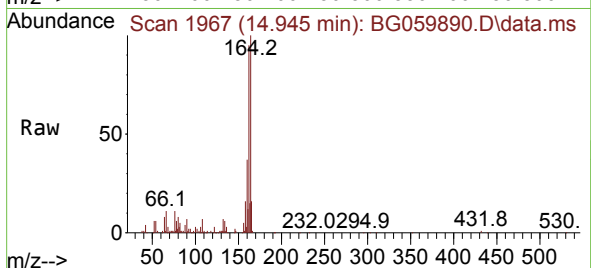
Tgt Ion:164 Resp: 91632

Ion Ratio Lower Upper

164 100

162 94.7 73.3 109.9

160 36.6 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 171.628 ng

RT: 16.444 min Scan# 2222

Delta R.T. 0.003 min

Lab File: BG059890.D

Acq: 25 Nov 2023 13:58

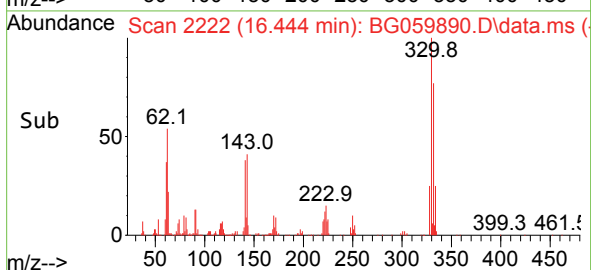
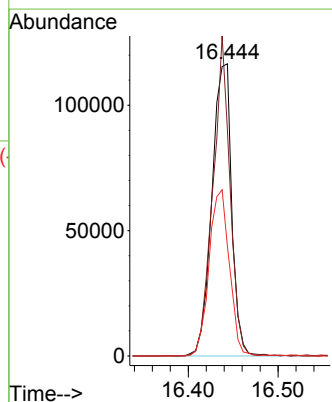
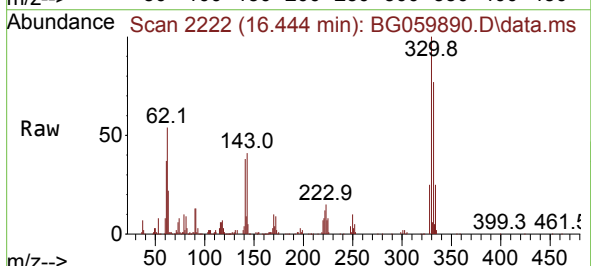
Tgt Ion:330 Resp: 178438

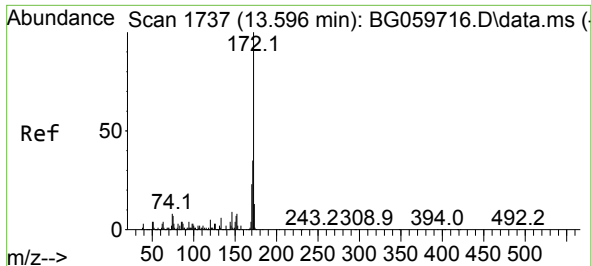
Ion Ratio Lower Upper

330 100

332 94.4 73.3 109.9

141 58.3 52.1 78.1

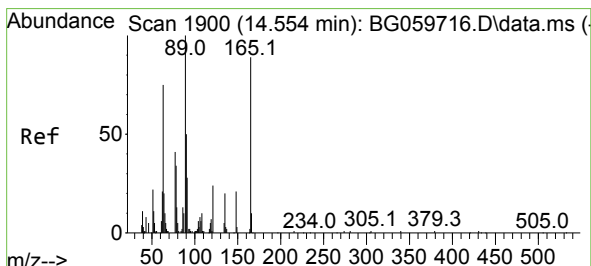
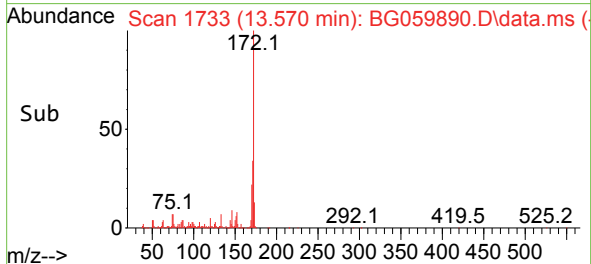
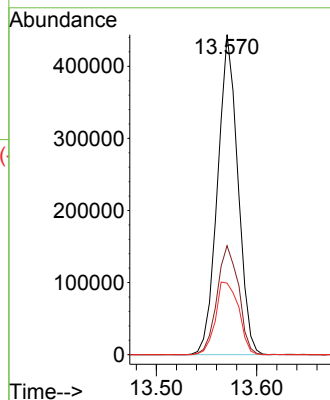
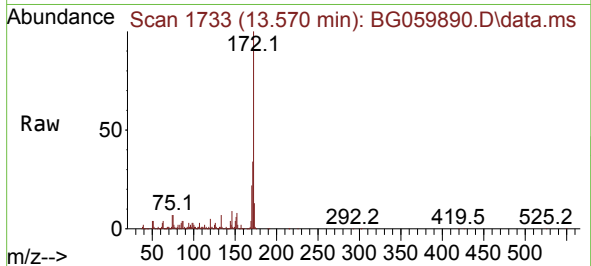




#45
2-Fluorobiphenyl
Concen: 91.551 ng
RT: 13.570 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

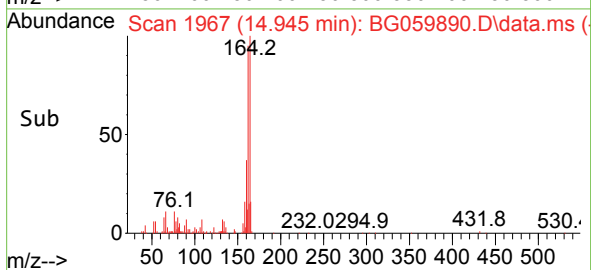
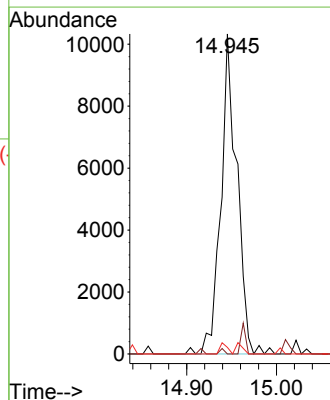
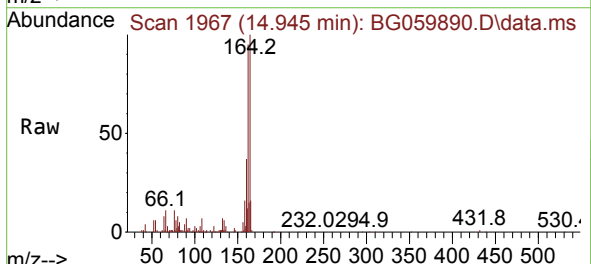
Instrument :
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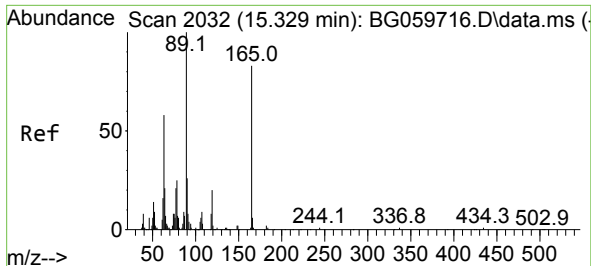
Tgt Ion:172 Resp: 623231
Ion Ratio Lower Upper
172 100
171 34.1 27.7 41.5
170 22.4 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 9.541 ng
RT: 14.945 min Scan# 1967
Delta R.T. 0.403 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion:165 Resp: 12853
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 2.1 90.9 136.3#

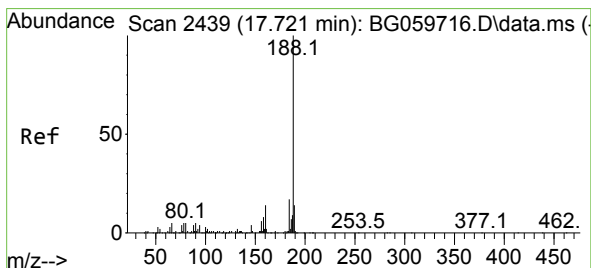
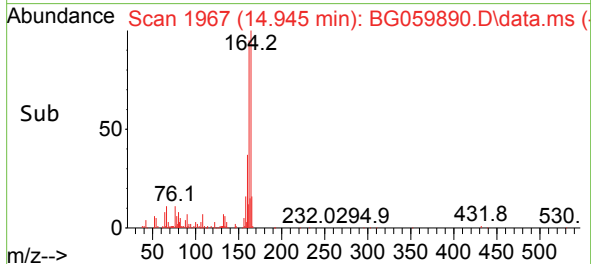
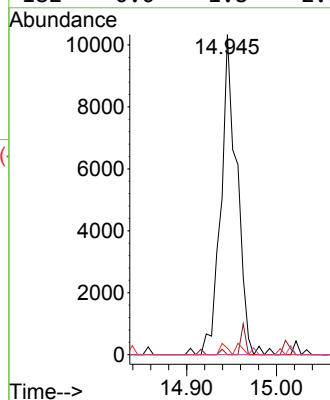
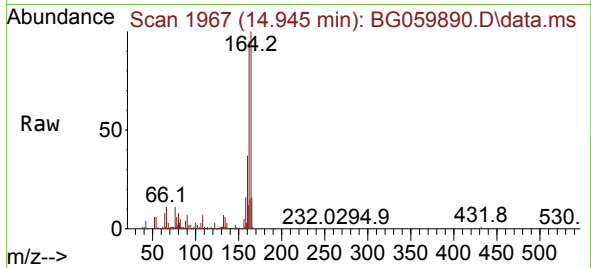




#57
2,4-Dinitrotoluene
Concen: 6.204 ng
RT: 14.945 min Scan# 1967
Delta R.T. -0.379 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

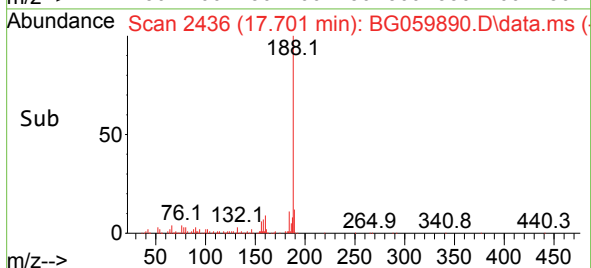
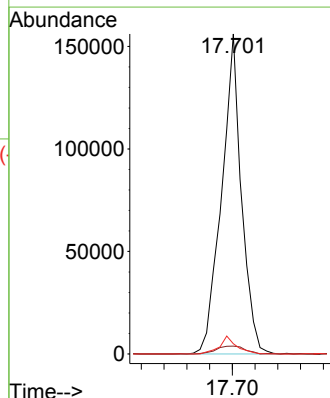
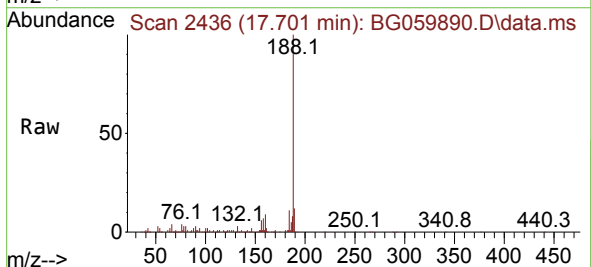
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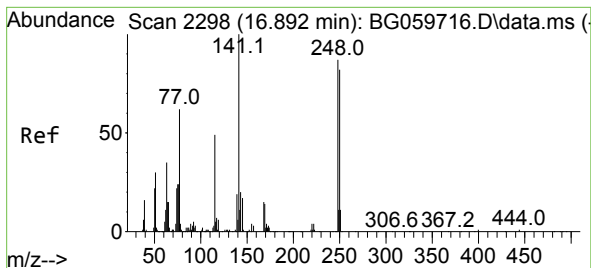
Tgt Ion:165 Resp: 12853
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.8#
89 2.1 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.701 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion:188 Resp: 189261
Ion Ratio Lower Upper
188 100
94 2.5 3.0 4.4#
80 3.2 4.2 6.4#

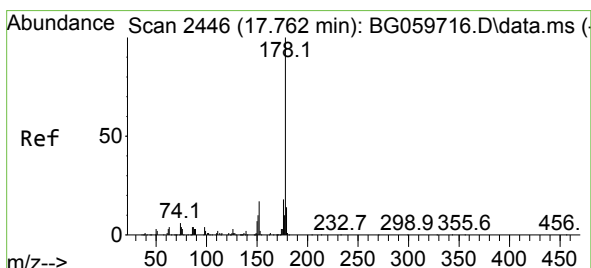
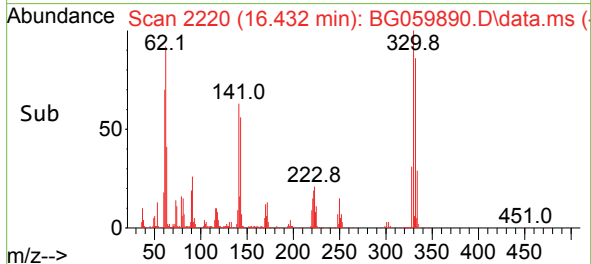
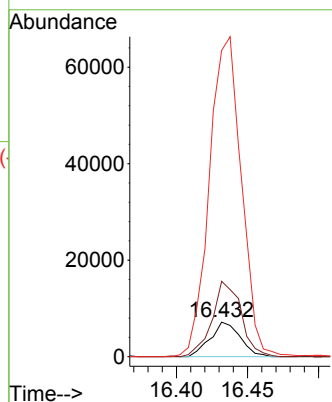
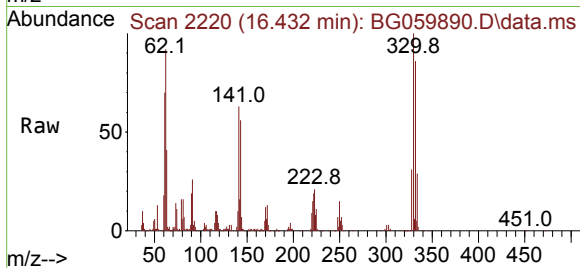




#67
4-Bromophenyl-phenylether
Concen: 5.161 ng
RT: 16.432 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

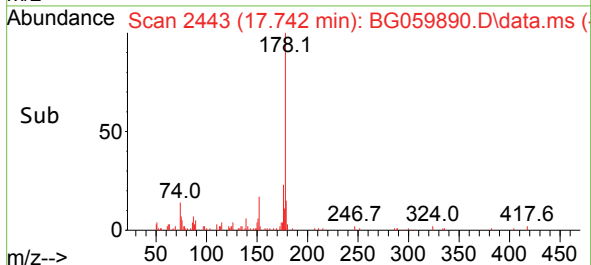
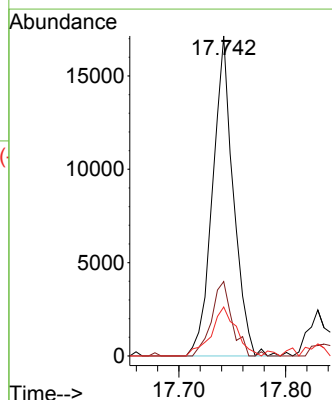
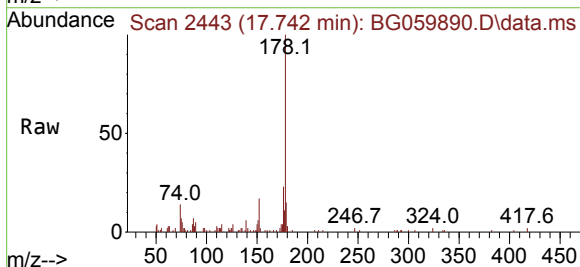
Instrument :
BNA_G
ClientSampleId :
SB-1

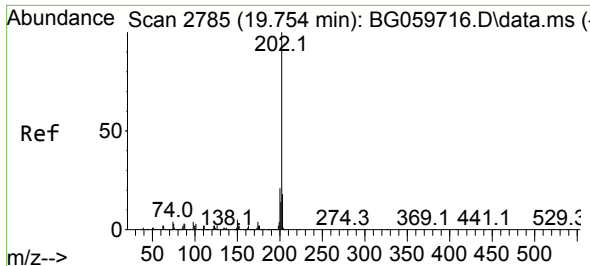
Tgt Ion:248 Resp: 10493
Ion Ratio Lower Upper
248 100
250 218.2 75.2 112.8#
141 887.2 91.5 137.3#



#71
Phenanthrene
Concen: 2.401 ng
RT: 17.742 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion:178 Resp: 23106
Ion Ratio Lower Upper
178 100
176 23.3 14.5 21.7#
179 15.3 11.2 16.8

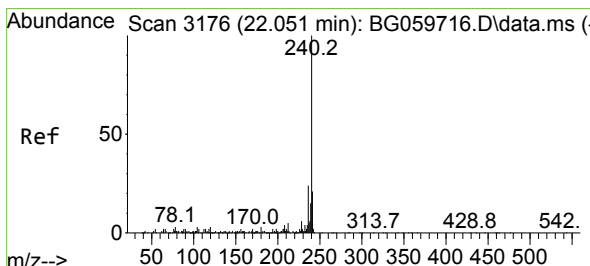
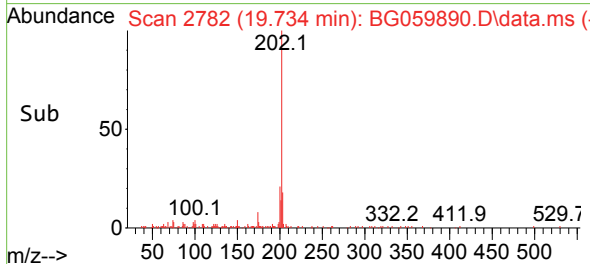
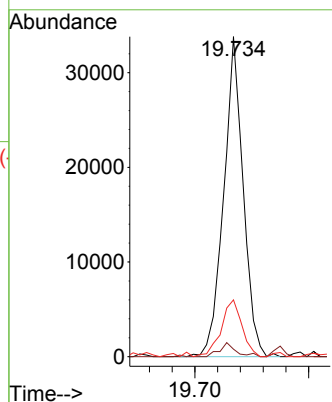
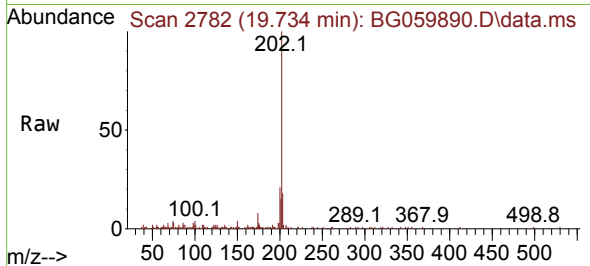




#75
Fluoranthene
Concen: 3.485 ng
RT: 19.734 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

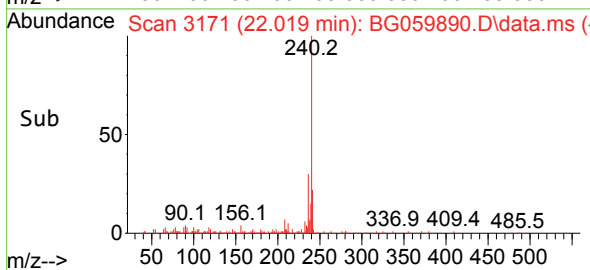
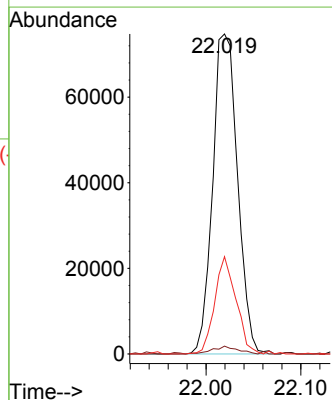
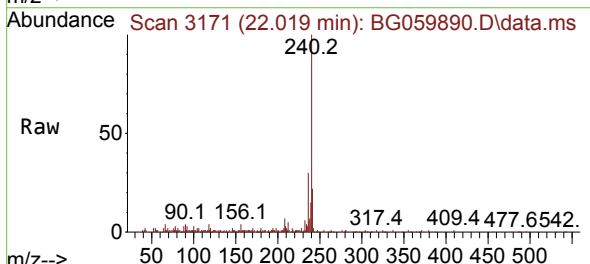
Instrument :
BNA_G
ClientSampleId :
SB-1

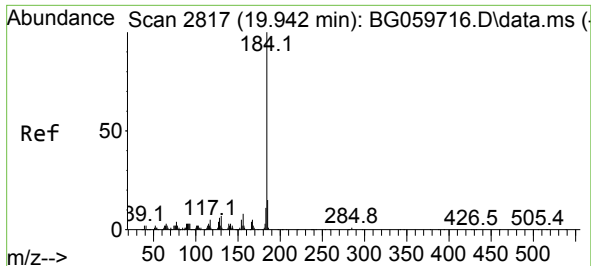
Tgt Ion:202 Resp: 40212
Ion Ratio Lower Upper
202 100
101 2.4 0.0 22.7
203 17.7 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3171
Delta R.T. -0.014 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion:240 Resp: 136404
Ion Ratio Lower Upper
240 100
120 2.4 2.2 3.2
236 30.4 19.4 29.2#

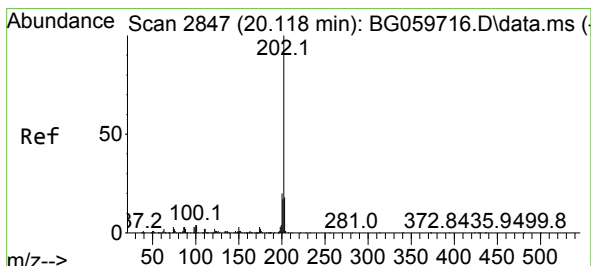
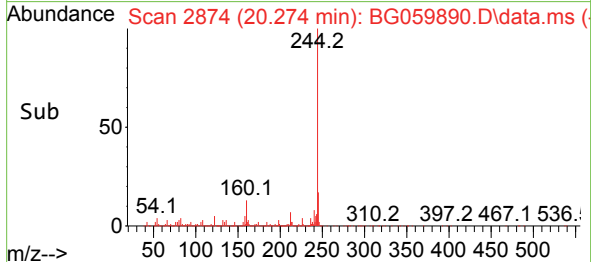
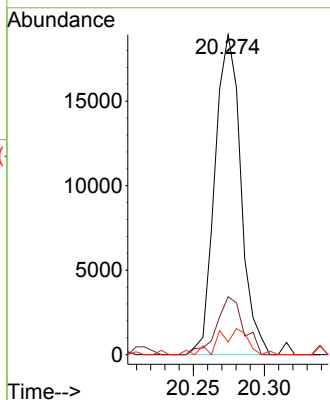
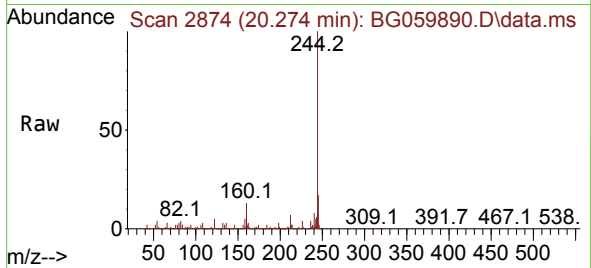




#77
Benzidine
Concen: 7.764 ng
RT: 20.274 min Scan# 21
Delta R.T. 0.344 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

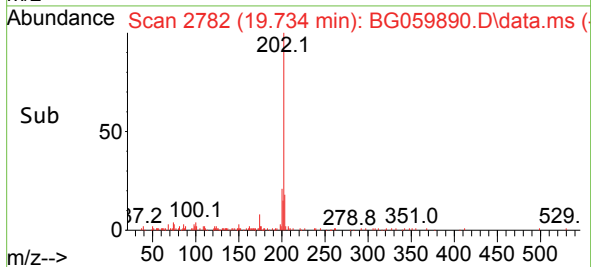
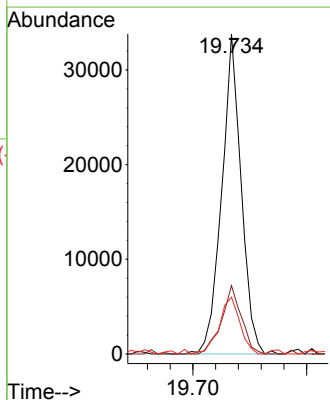
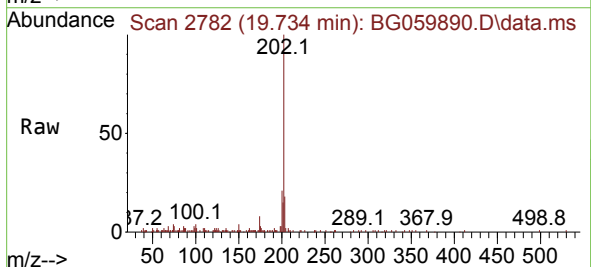
Instrument :
BNA_G
ClientSampleId :
SB-1

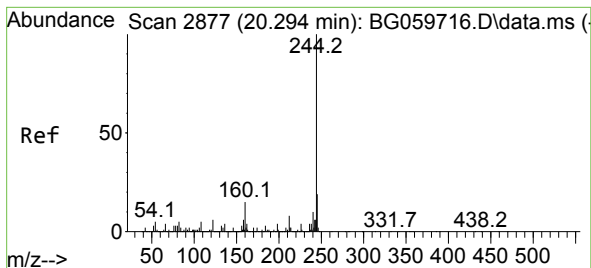
Tgt Ion:184 Resp: 24015
Ion Ratio Lower Upper
184 100
185 18.1 12.2 18.2
183 3.9 8.8 13.2#



#78
Pyrene
Concen: 4.333 ng
RT: 19.734 min Scan# 2782
Delta R.T. -0.373 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion:202 Resp: 40212
Ion Ratio Lower Upper
202 100
200 21.4 16.2 24.4
203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 95.609 ng

RT: 20.274 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG059890.D

Acq: 25 Nov 2023 13:58

Instrument :

BNA_G

ClientSampleId :

SB-1

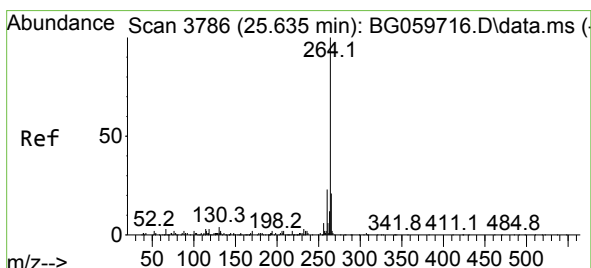
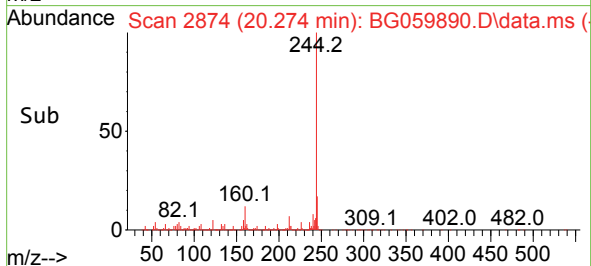
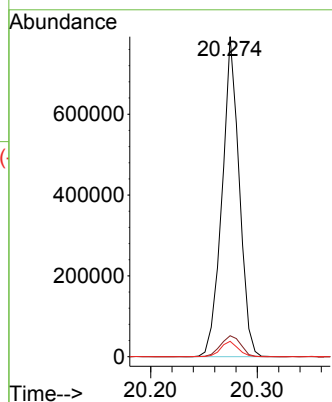
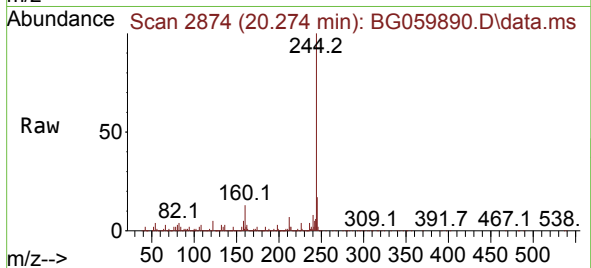
Tgt Ion:244 Resp: 883416

Ion Ratio Lower Upper

244 100

212 6.6 6.6 10.0#

122 4.8 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.598 min Scan# 3780

Delta R.T. -0.014 min

Lab File: BG059890.D

Acq: 25 Nov 2023 13:58

Tgt Ion:264 Resp: 156175

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.9 17.0 25.6

