

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059887.D
 Acq On : 25 Nov 2023 11:56
 Operator : MA/JU
 Sample : 05466-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB200018

Quant Time: Nov 27 03:20:30 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 24 15:11:07 2023
 Response via : Initial Calibration

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

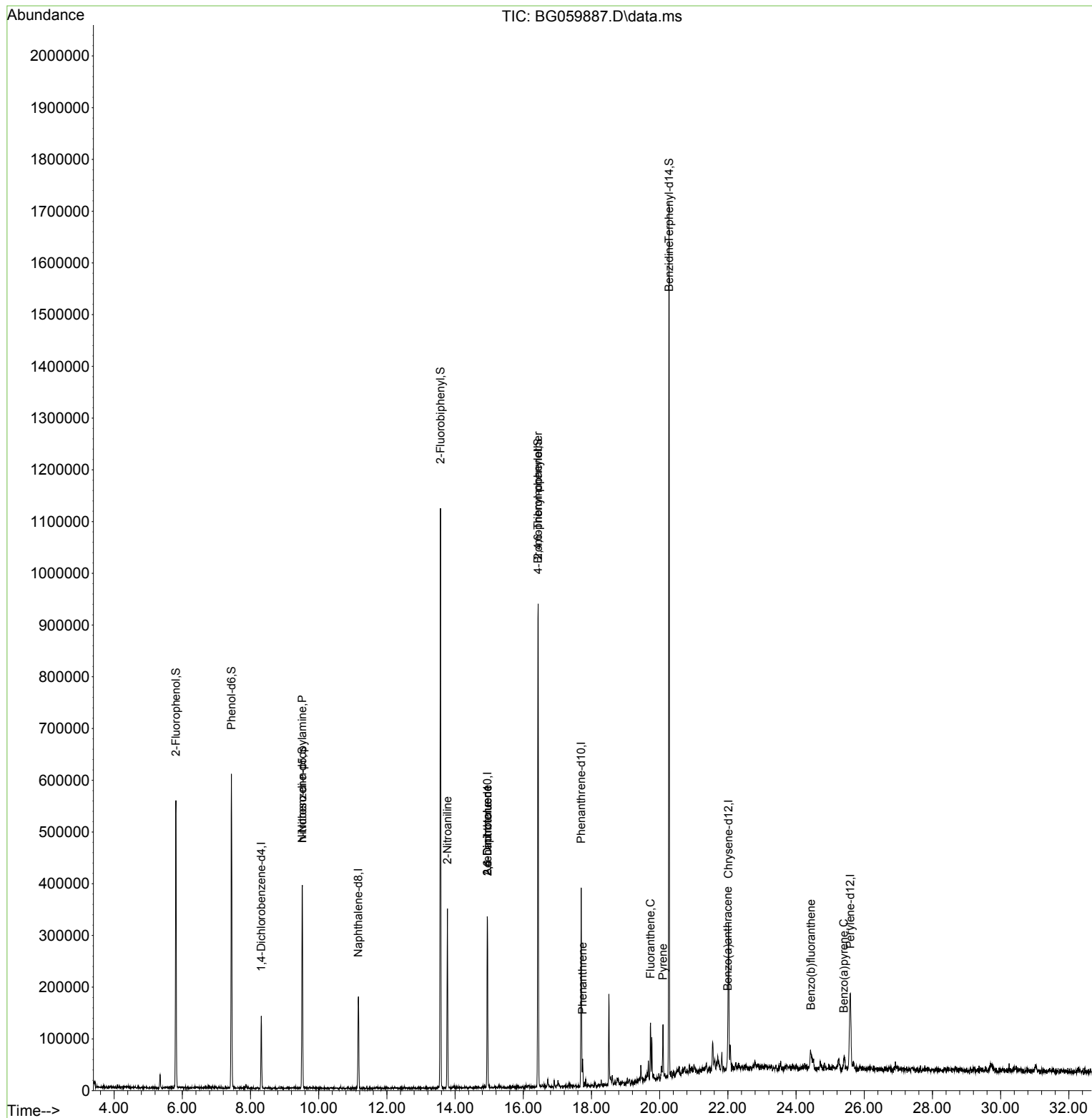
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.316	152	29091	20.000	ng	0.00
21) Naphthalene-d8	11.160	136	131583	20.000	ng	0.00
39) Acenaphthene-d10	14.950	164	111965	20.000	ng	0.00
64) Phenanthrene-d10	17.700	188	199705	20.000	ng	# 0.00
76) Chrysene-d12	22.018	240	158167	20.000	ng	-0.02
86) Perylene-d12	25.590	264	184535	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.814	112	196156	113.491	ng	0.00
7) Phenol-d6	7.441	99	264463	103.254	ng	0.00
23) Nitrobenzene-d5	9.515	82	251514	73.002	ng	0.00
42) 2,4,6-Tribromophenol	16.436	330	139310	109.660	ng	0.00
45) 2-Fluorobiphenyl	13.569	172	475102	57.117	ng	0.00
79) Terphenyl-d14	20.279	244	708304	66.109	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.515	70	39873	19.769	ng	# 73
48) 2-Nitroaniline	13.775	65	10042	4.658	ng	# 19
51) 2,6-Dinitrotoluene	14.950	165	13210	8.025	ng	# 1
57) 2,4-Dinitrotoluene	14.950	165	13210	5.219	ng	# 2
67) 4-Bromophenyl-phenylether	16.430	248	9265	4.318	ng	# 1
71) Phenanthrene	17.741	178	29297	2.885	ng	# 85
75) Fluoranthene	19.733	202	66691	5.477	ng	97
77) Benzidine	20.273	184	21175	5.904	ng	# 92
78) Pyrene	20.097	202	60459	5.618	ng	97
81) Benzo(a)anthracene	21.995	228	31004	2.865	ng	# 92
88) Benzo(b)fluoranthene	24.439	252	41347	4.088	ng	# 79
90) Benzo(a)pyrene	25.402	252	32036	2.968	ng	# 98

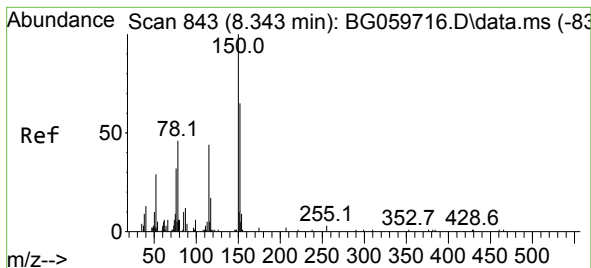
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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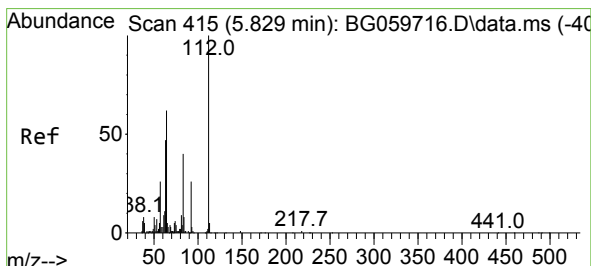
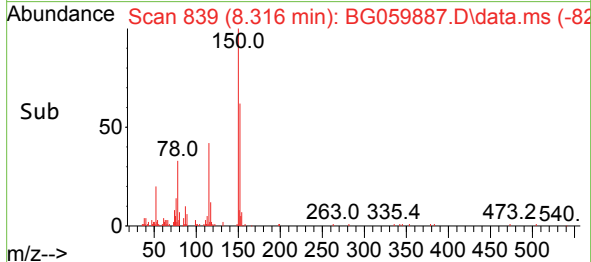
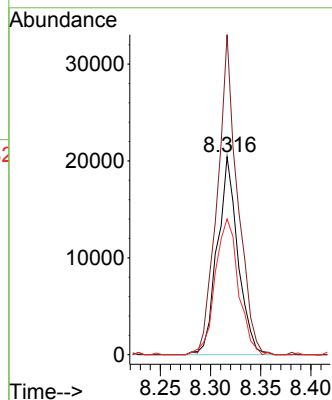
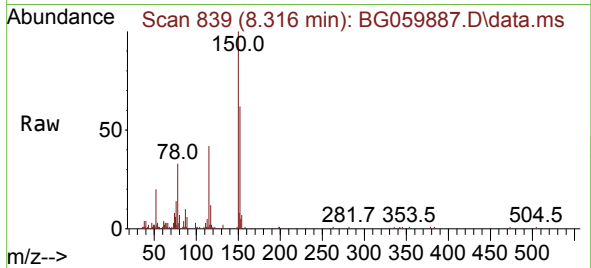




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.316 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

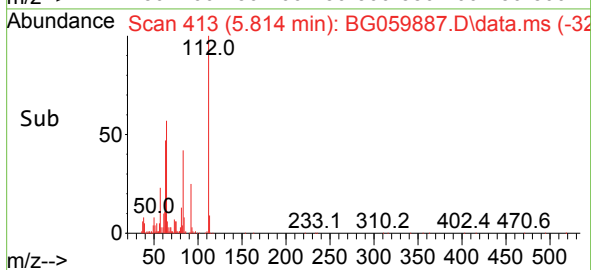
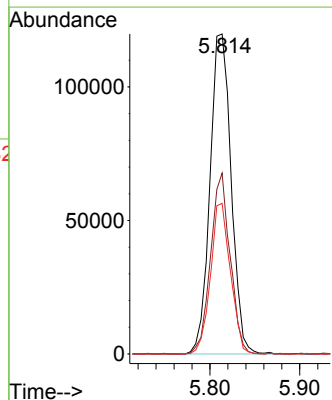
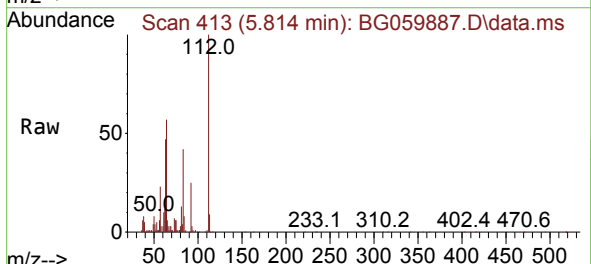
Instrument :
BNA_G
ClientSampleId :
RB200018

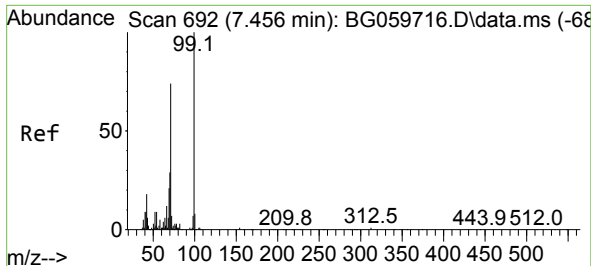
Tgt Ion:152 Resp: 29091
Ion Ratio Lower Upper
152 100
150 161.7 122.2 183.4
115 68.6 54.2 81.4



#5
2-Fluorophenol
Concen: 113.491 ng
RT: 5.814 min Scan# 413
Delta R.T. 0.002 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion:112 Resp: 196156
Ion Ratio Lower Upper
112 100
64 56.5 49.5 74.3
63 47.1 37.4 56.2

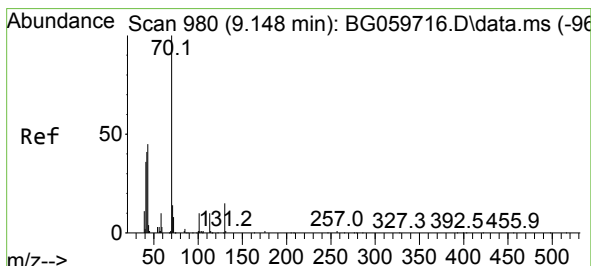
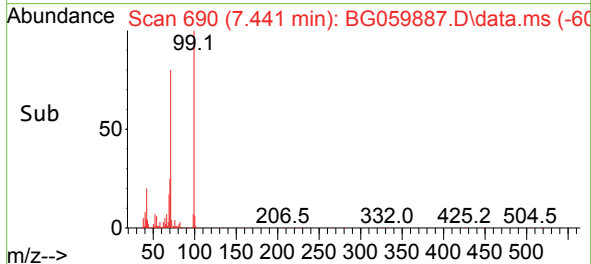
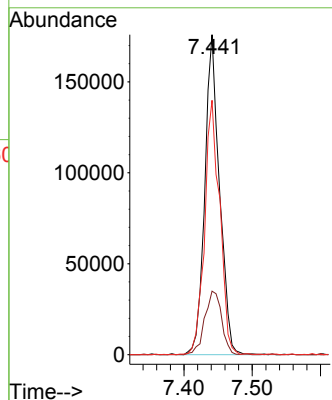
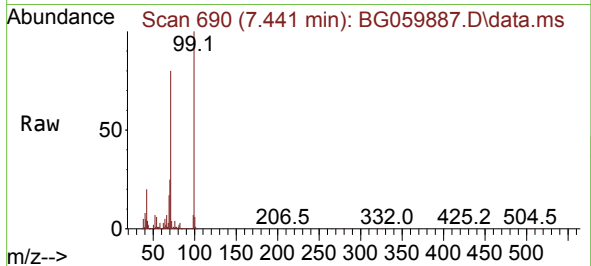




#7
Phenol-d6
Concen: 103.254 ng
RT: 7.441 min Scan# 692
Delta R.T. -0.004 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

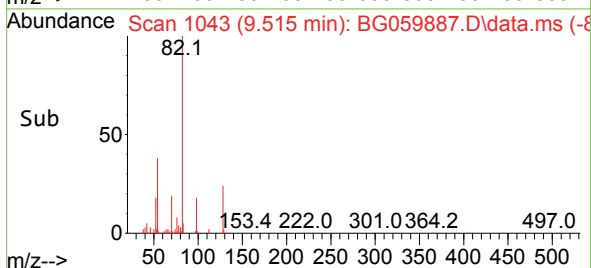
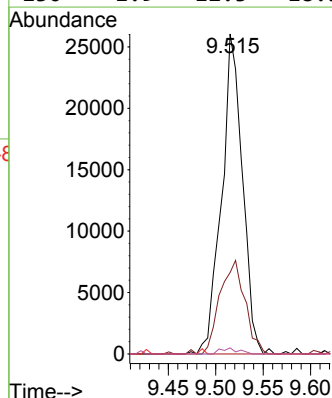
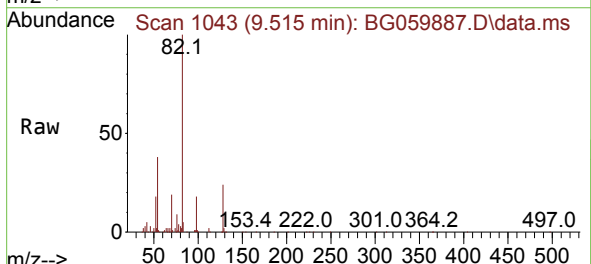
Instrument :
BNA_G
ClientSampleId :
RB200018

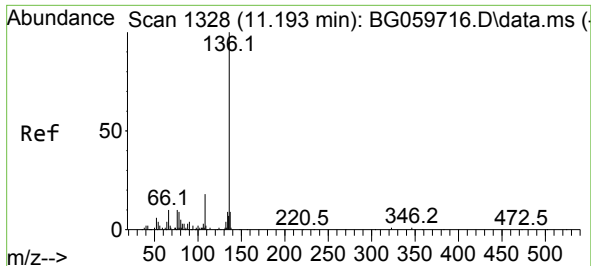
Tgt Ion: 99 Resp: 264463
Ion Ratio Lower Upper
99 100
42 19.9 14.3 21.5
71 79.5 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 19.769 ng
RT: 9.515 min Scan# 1043
Delta R.T. 0.384 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion: 70 Resp: 39873
Ion Ratio Lower Upper
70 100
42 25.5 32.8 49.2#
101 0.0 7.7 11.5#
130 1.9 12.3 18.5#

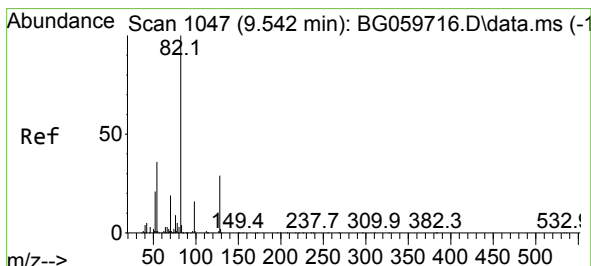
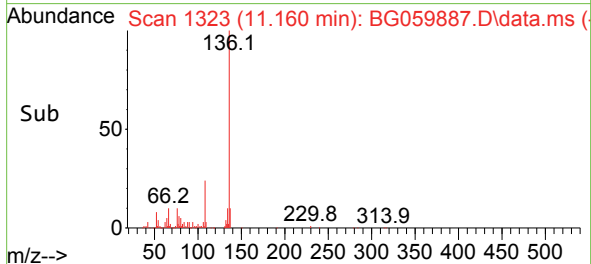
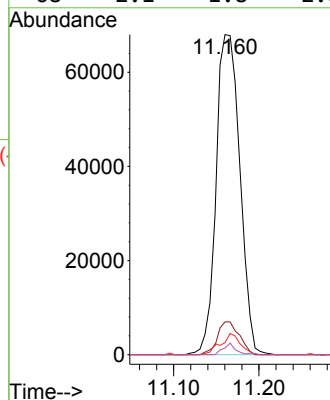
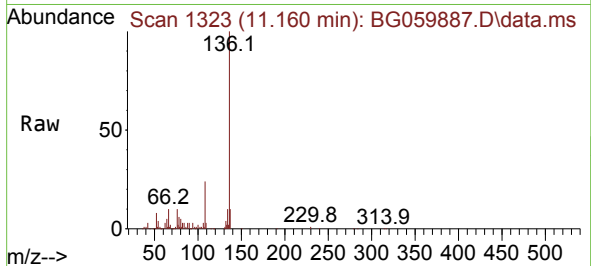




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.160 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

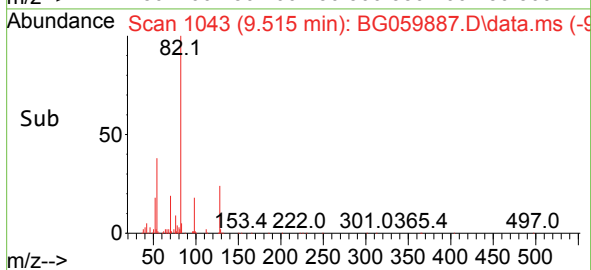
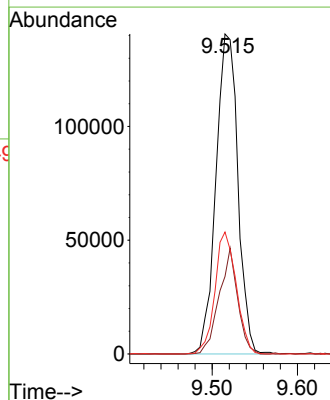
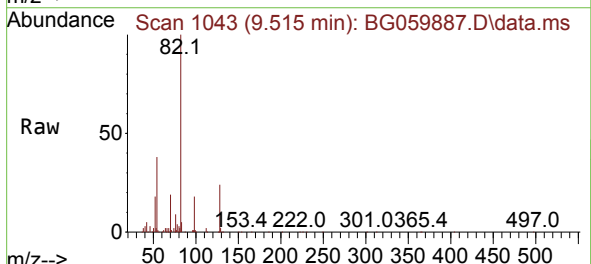
Instrument :
BNA_G
ClientSampleId :
RB200018

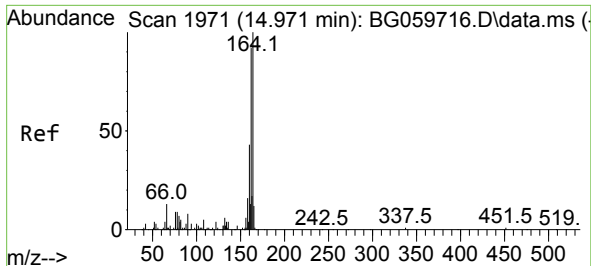
Tgt Ion:136 Resp: 131583
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.0
54 3.7 3.1 4.7
68 2.1 1.8 2.8



#23
Nitrobenzene-d5
Concen: 73.002 ng
RT: 9.515 min Scan# 1043
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion: 82 Resp: 251514
Ion Ratio Lower Upper
82 100
128 24.2 23.0 34.6
54 38.1 28.7 43.1

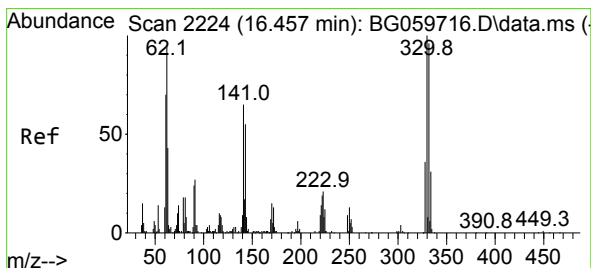
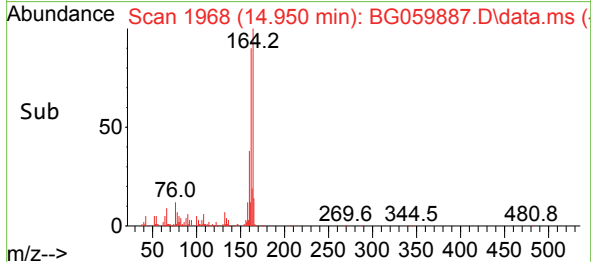
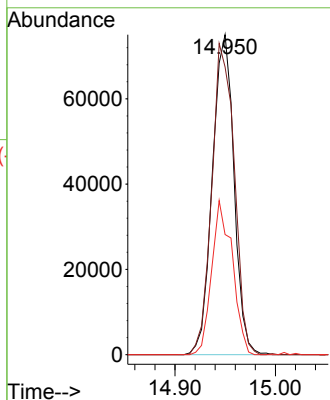
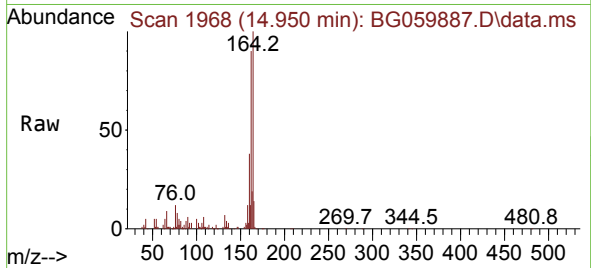




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.950 min Scan# 1971
Delta R.T. -0.004 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

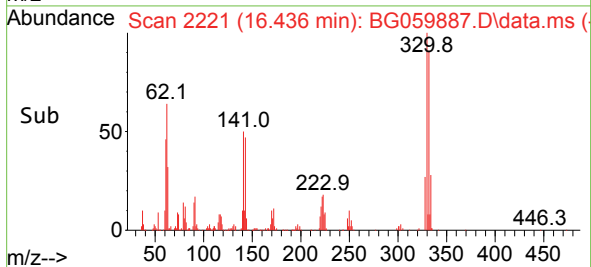
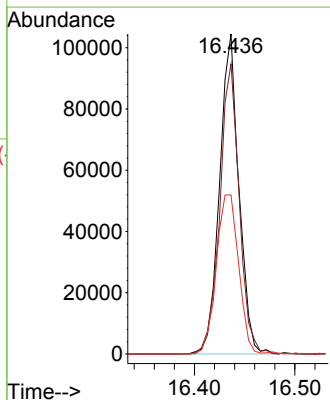
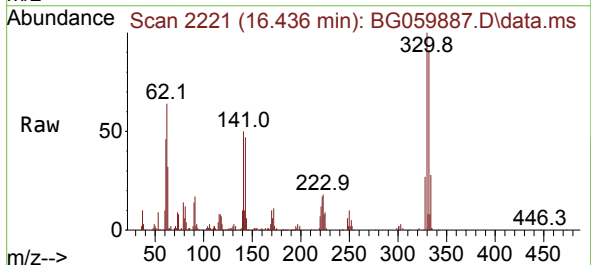
Instrument :
BNA_G
ClientSampleId :
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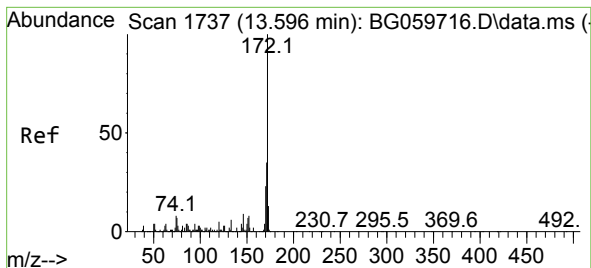
Tgt Ion:164 Resp: 111965
Ion Ratio Lower Upper
164 100
162 89.9 73.3 109.9
160 37.6 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 109.660 ng
RT: 16.436 min Scan# 2221
Delta R.T. -0.004 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion:330 Resp: 139310
Ion Ratio Lower Upper
330 100
332 91.2 73.3 109.9
141 57.4 52.1 78.1

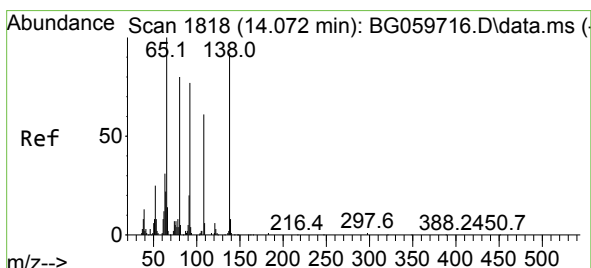
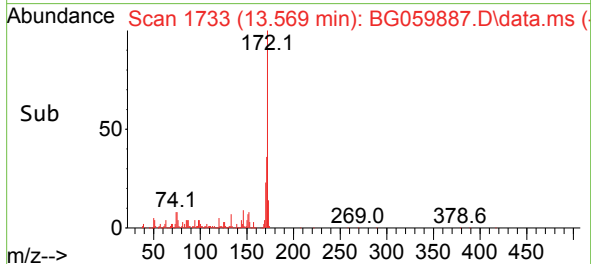
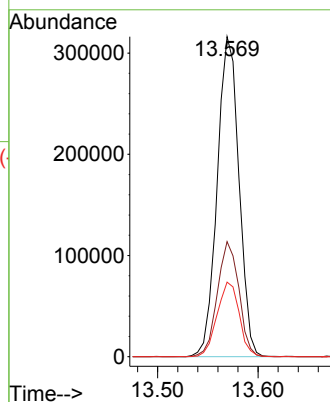
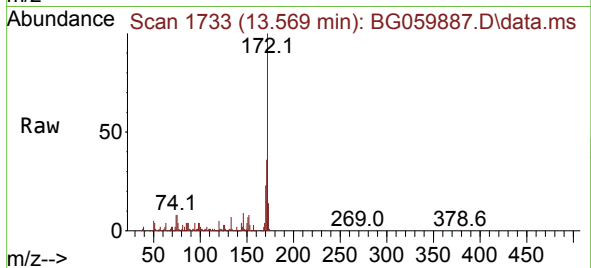




#45
2-Fluorobiphenyl
Concen: 57.117 ng
RT: 13.569 min Scan# 1733
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

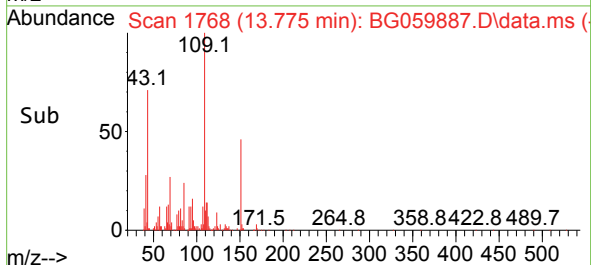
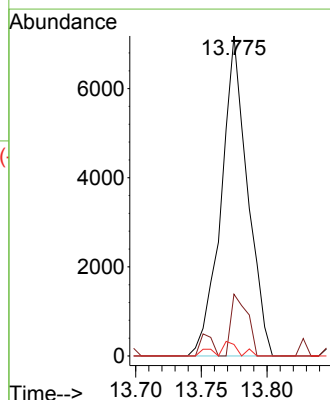
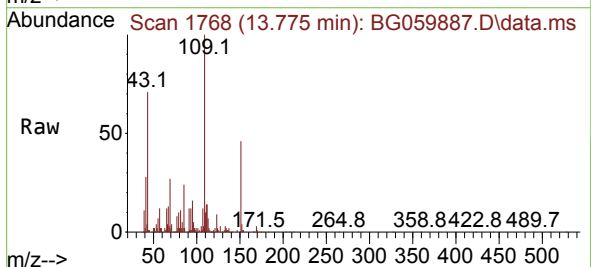
Instrument :
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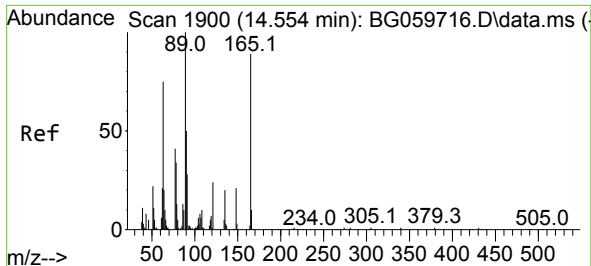
Tgt Ion:172 Resp: 475102
Ion Ratio Lower Upper
172 100
171 36.0 27.7 41.5
170 23.3 18.4 27.6



#48
2-Nitroaniline
Concen: 4.658 ng
RT: 13.775 min Scan# 1768
Delta R.T. -0.292 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion: 65 Resp: 10042
Ion Ratio Lower Upper
65 100
92 19.3 61.2 91.8#
138 3.6 73.8 110.6#

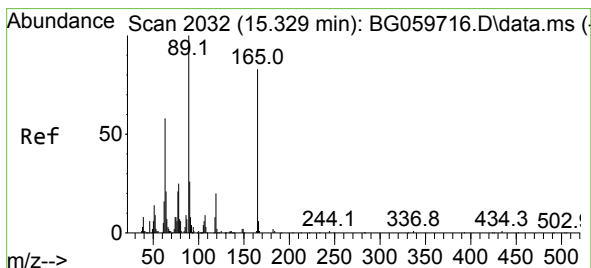
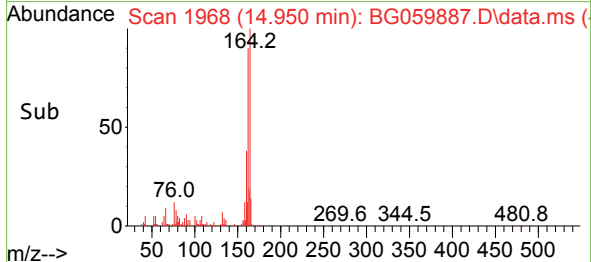
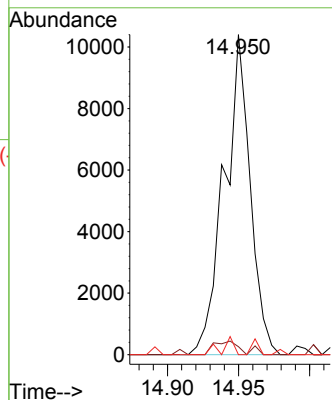
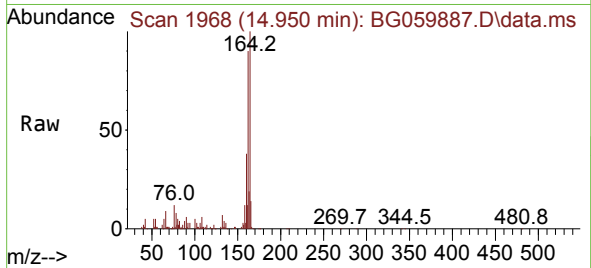




#51
2,6-Dinitrotoluene
Concen: 8.025 ng
RT: 14.950 min Scan# 1900
Delta R.T. 0.407 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

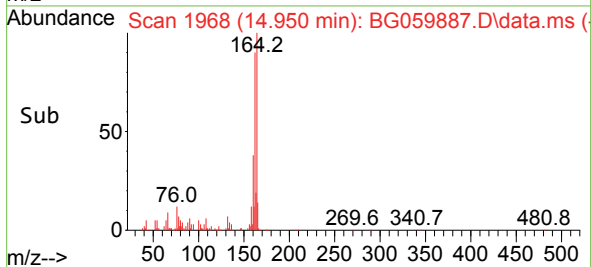
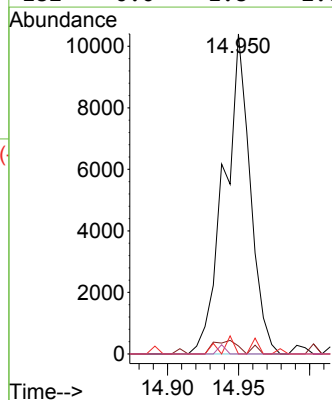
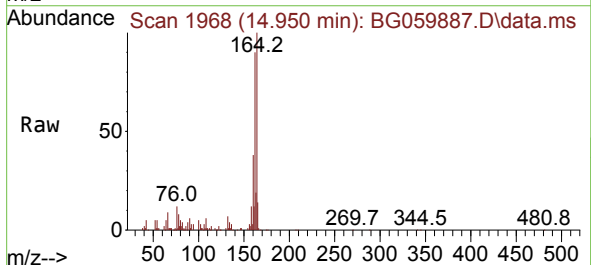
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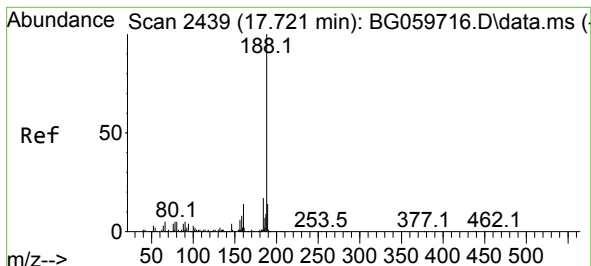
Tgt Ion:165 Resp: 13210
Ion Ratio Lower Upper
165 100
63 2.5 75.3 112.9#
89 0.0 90.9 136.3#



#57
2,4-Dinitrotoluene
Concen: 5.219 ng
RT: 14.950 min Scan# 1968
Delta R.T. -0.374 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion:165 Resp: 13210
Ion Ratio Lower Upper
165 100
63 2.5 55.8 83.8#
89 0.0 96.9 145.3#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.700 min Scan# 2439

Delta R.T. -0.010 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Instrument :

BNA_G

ClientSampleId :

RB200018

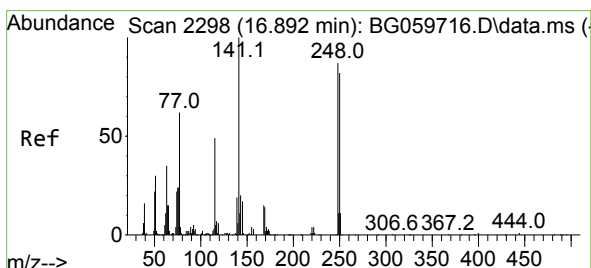
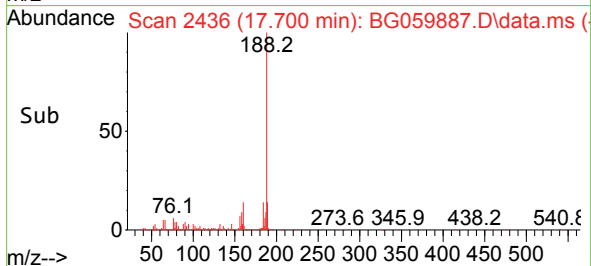
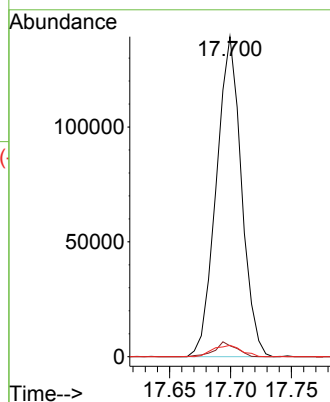
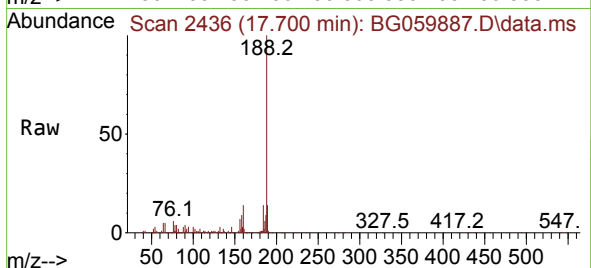
Tgt Ion:188 Resp: 199705

Ion Ratio Lower Upper

188 100

94 3.4 3.0 4.4

80 3.9 4.2 6.4#



#67

4-Bromophenyl-phenylether

Concen: 4.318 ng

RT: 16.430 min Scan# 2220

Delta R.T. -0.451 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

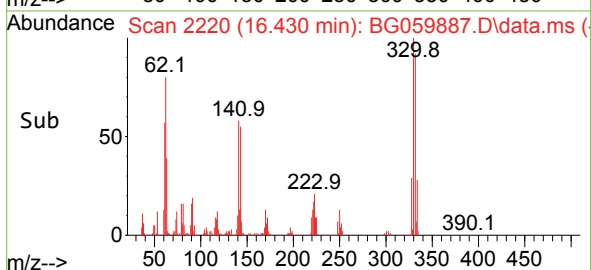
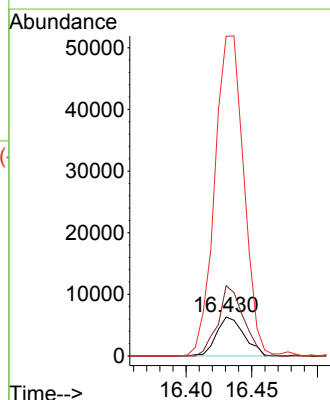
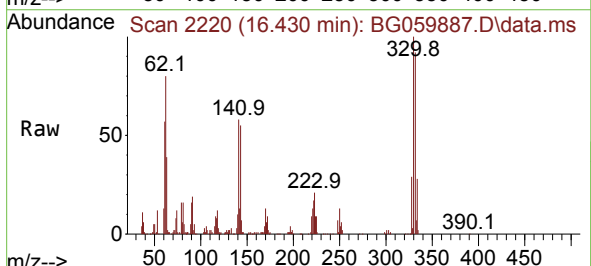
Tgt Ion:248 Resp: 9265

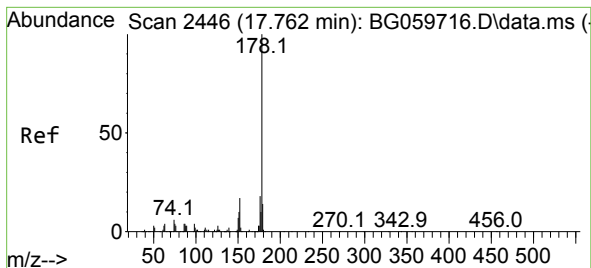
Ion Ratio Lower Upper

248 100

250 180.6 75.2 112.8#

141 822.3 91.5 137.3#

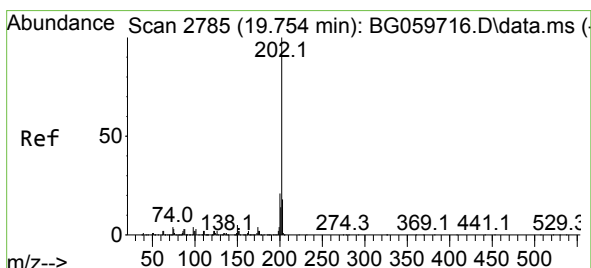
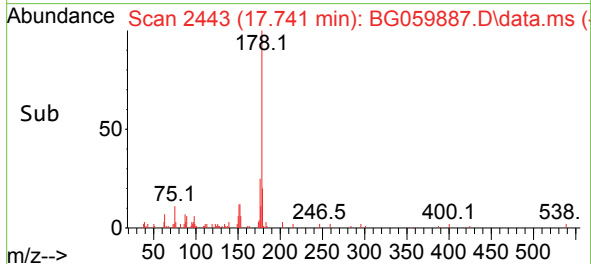
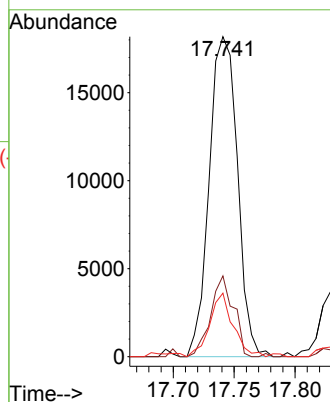
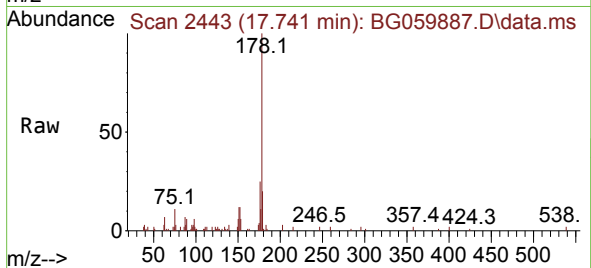




#71
Phenanthrene
Concen: 2.885 ng
RT: 17.741 min Scan# 2443
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

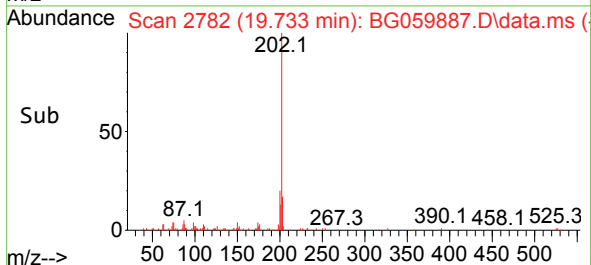
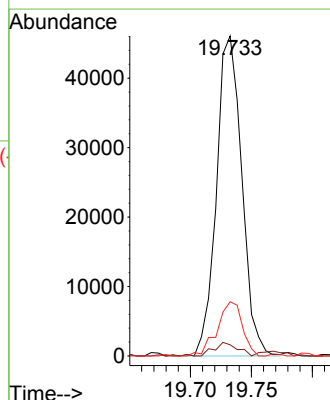
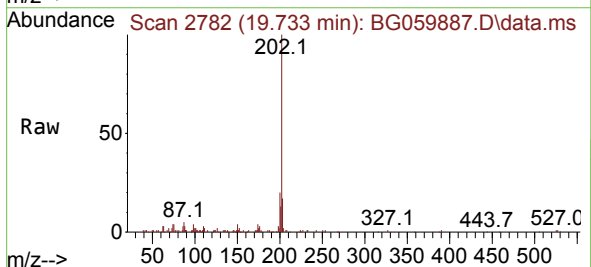
Instrument :
BNA_G
ClientSampleId :
RB200018

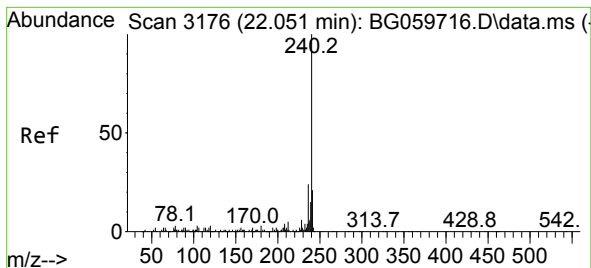
Tgt Ion:178 Resp: 29297
Ion Ratio Lower Upper
178 100
176 25.3 14.5 21.7#
179 19.8 11.2 16.8#



#75
Fluoranthene
Concen: 5.477 ng
RT: 19.733 min Scan# 2782
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion:202 Resp: 66691
Ion Ratio Lower Upper
202 100
101 3.5 0.0 22.7
203 17.0 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.018 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Instrument :

BNA_G

ClientSampleId :

RB200018

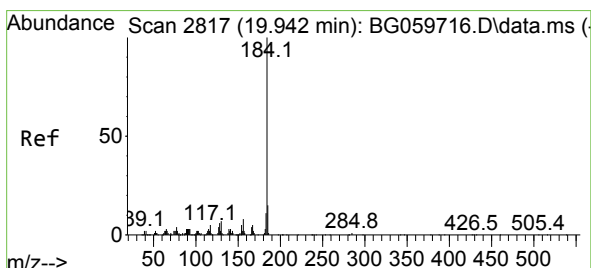
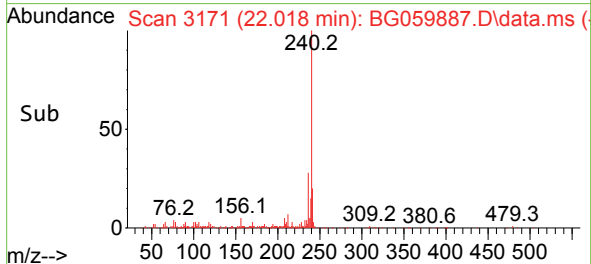
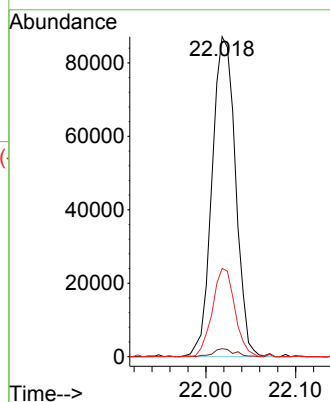
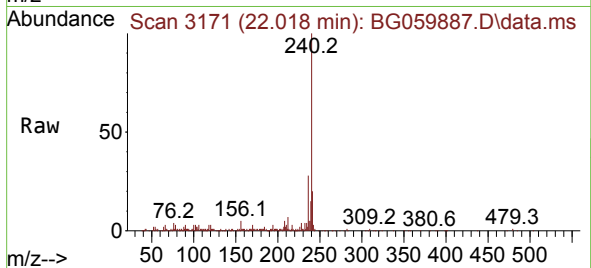
Tgt Ion:240 Resp: 158167

Ion Ratio Lower Upper

240 100

120 2.5 2.2 3.2

236 27.6 19.4 29.2



#77

Benzidine

Concen: 5.904 ng

RT: 20.273 min Scan# 2874

Delta R.T. 0.343 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

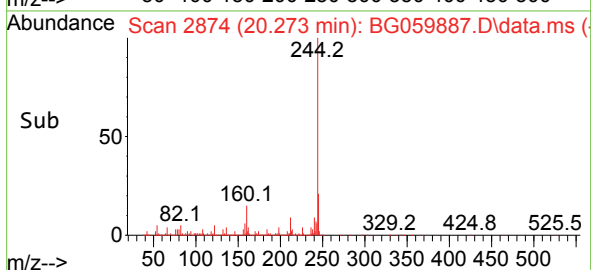
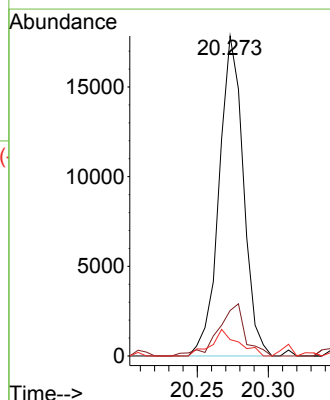
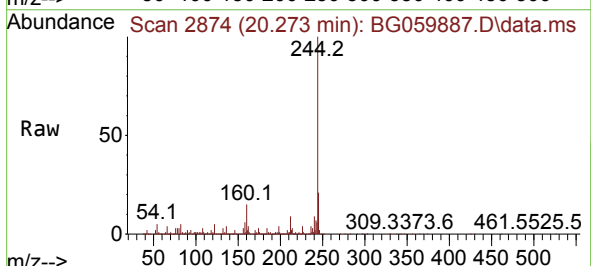
Tgt Ion:184 Resp: 21175

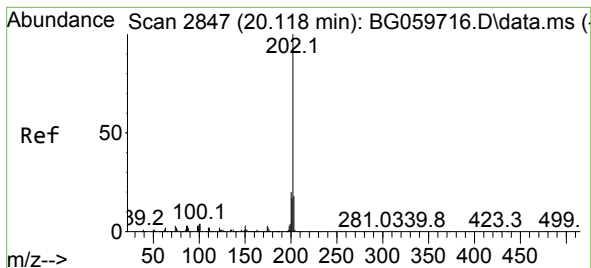
Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.2

183 5.1 8.8 13.2#





#78

Pyrene

Concen: 5.618 ng

RT: 20.097 min Scan# 2844

Delta R.T. -0.010 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Instrument :

BNA_G

ClientSampleId :

RB200018

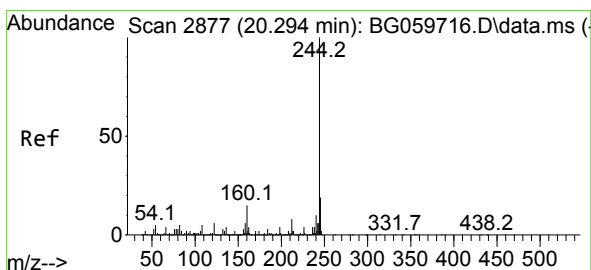
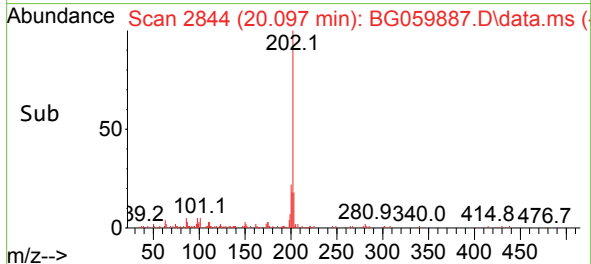
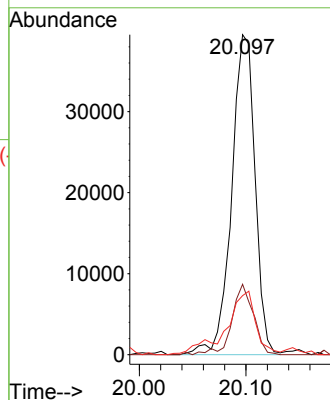
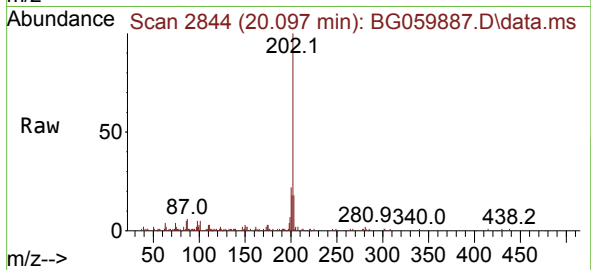
Tgt Ion:202 Resp: 60459

Ion Ratio Lower Upper

202 100

200 22.0 16.2 24.4

203 18.4 14.0 21.0



#79

Terphenyl-d14

Concen: 66.109 ng

RT: 20.279 min Scan# 2875

Delta R.T. -0.004 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

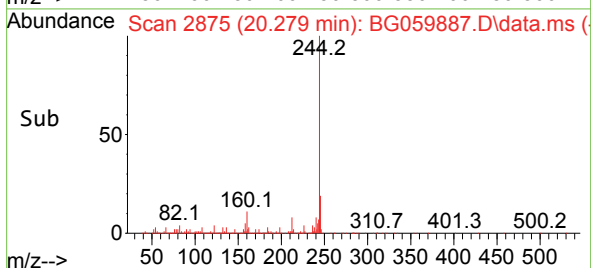
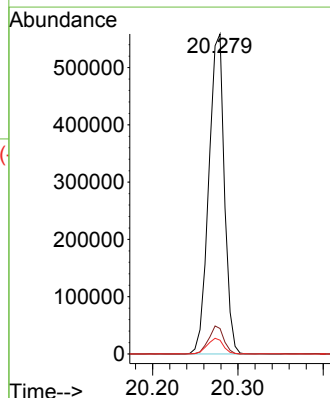
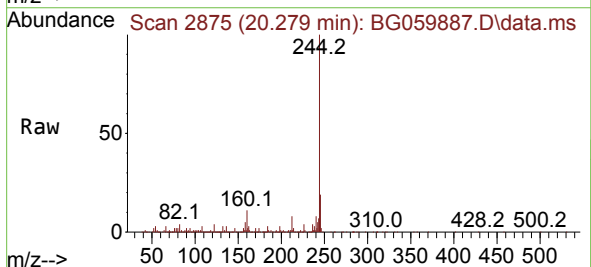
Tgt Ion:244 Resp: 708304

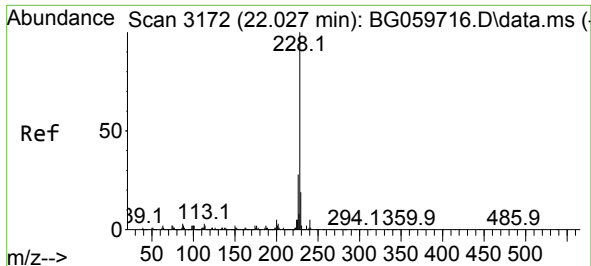
Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

122 4.3 4.4 6.6#

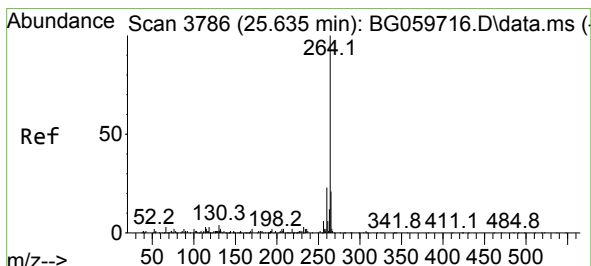
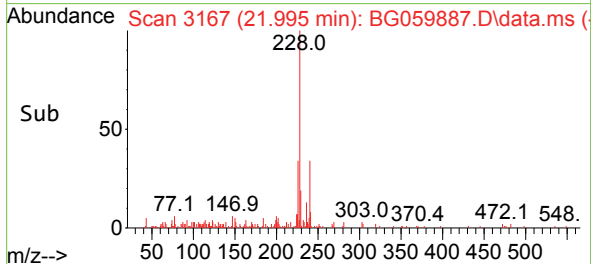
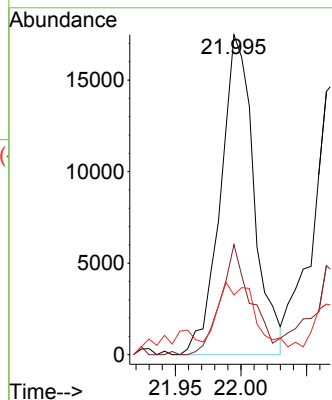
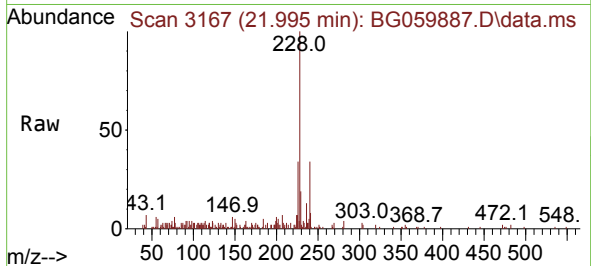




#81
Benzo(a)anthracene
Concen: 2.865 ng
RT: 21.995 min Scan# 3172
Delta R.T. -0.016 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

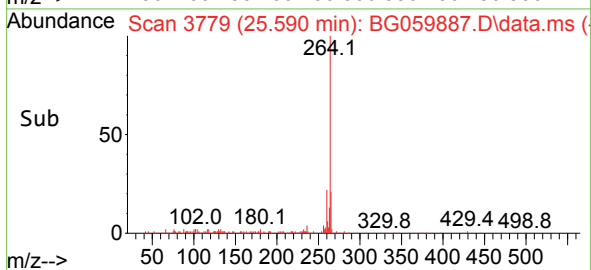
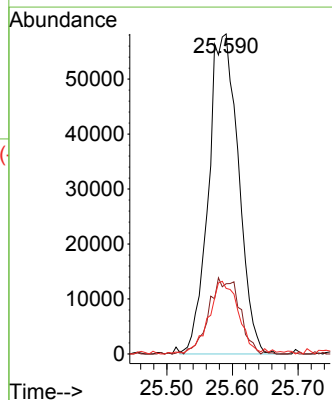
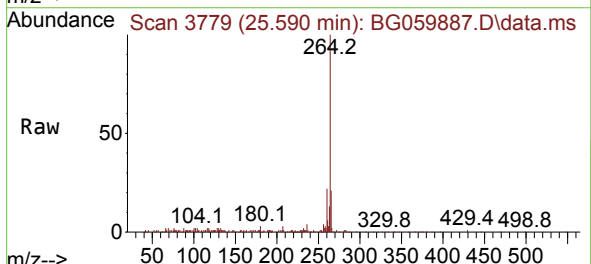
Instrument :
BNA_G
ClientSampleId :
RB200018

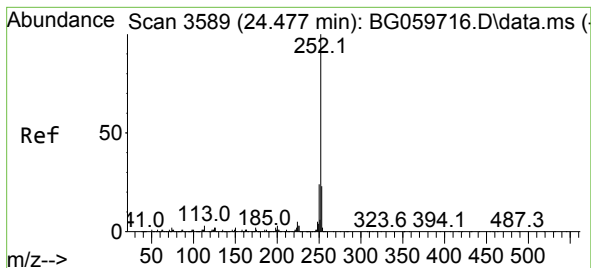
Tgt Ion:228 Resp: 31004
Ion Ratio Lower Upper
228 100
226 34.4 22.1 33.1#
229 18.7 14.9 22.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.590 min Scan# 3779
Delta R.T. -0.022 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion:264 Resp: 184535
Ion Ratio Lower Upper
264 100
260 21.9 18.5 27.7
265 20.5 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.088 ng

RT: 24.439 min Scan# 3

Delta R.T. -0.010 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Instrument :

BNA_G

ClientSampleId :

RB200018

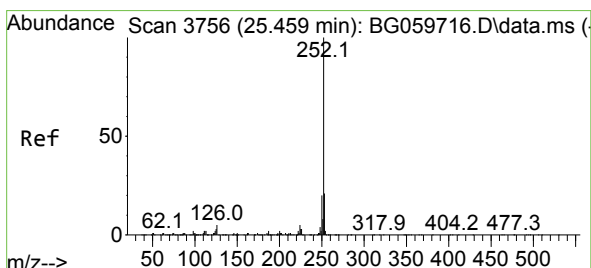
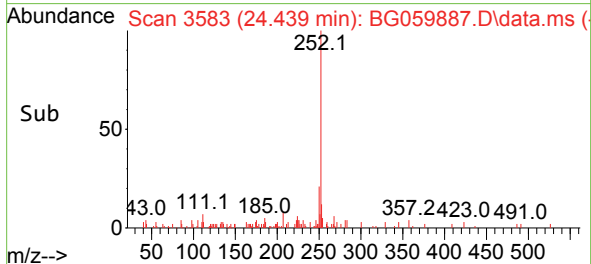
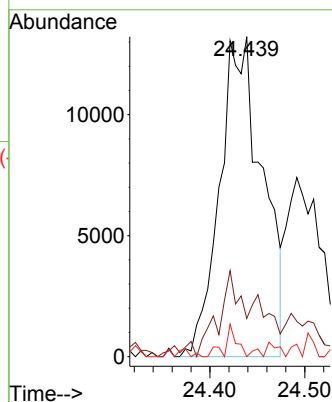
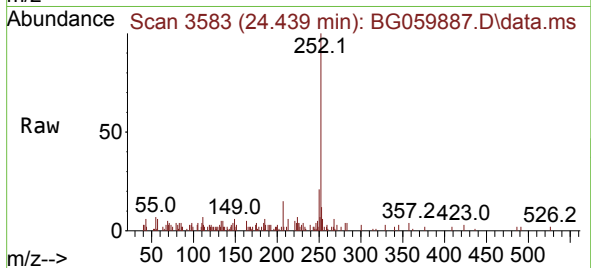
Tgt Ion:252 Resp: 41347

Ion Ratio Lower Upper

252 100

253 12.0 18.3 27.5#

125 0.0 1.4 2.0#



#90

Benzo(a)pyrene

Concen: 2.968 ng

RT: 25.402 min Scan# 3747

Delta R.T. -0.039 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Tgt Ion:252 Resp: 32036

Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

125 3.6 2.0 3.0#

