

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054126.D
 Acq On : 28 Jun 2022 20:49
 Operator : CG/JU
 Sample : N3488-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-11-9.5-11.5-20220623

Quant Time: Jun 29 01:59:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

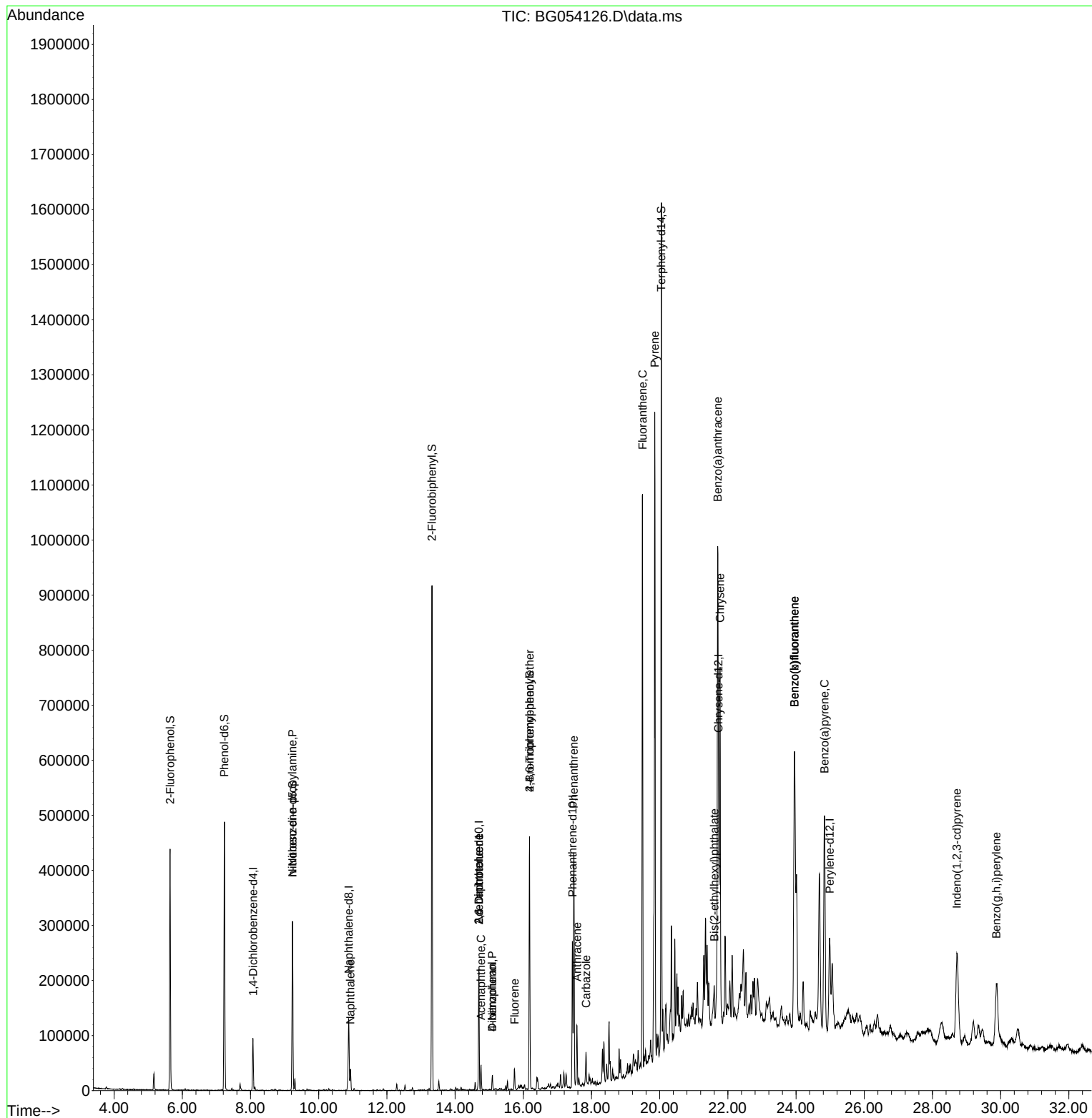
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	29123	20.000	ng	0.00
21) Naphthalene-d8	10.878	136	121208	20.000	ng	0.00
39) Acenaphthene-d10	14.697	164	85501	20.000	ng	0.00
64) Phenanthrene-d10	17.441	188	188793	20.000	ng	0.00
76) Chrysene-d12	21.724	240	183062	20.000	ng	0.00
86) Perylene-d12	24.985	264	197049	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	211147	138.617	ng	0.00
7) Phenol-d6	7.236	99	297219	143.835	ng	0.00
23) Nitrobenzene-d5	9.233	82	197381	91.513	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	105187	76.571	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	532399	90.546	ng	0.00
79) Terphenyl-d14	20.050	244	846990	93.187	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.233	70	27081	19.507	ng	# 79
31) Naphthalene	10.931	128	34887	5.702	ng	100
51) 2,6-Dinitrotoluene	14.697	165	11635	8.844	ng	# 17
52) Acenaphthene	14.762	154	19227	4.025	ng	100
55) Dibenzofuran	15.091	168	17763	2.308	ng	# 90
56) 4-Nitrophenol	15.091	139	6094	6.734	ng	# 1
57) 2,4-Dinitrotoluene	14.697	165	11635	6.262	ng	# 23
58) Fluorene	15.743	166	19287	3.052	ng	95
67) 4-Bromophenyl-phenylether	16.184	248	6859	2.909	ng	# 1
71) Phenanthrene	17.482	178	304379	31.380	ng	99
72) Anthracene	17.576	178	85480	9.025	ng	99
73) Carbazole	17.841	167	39271	4.830	ng	99
75) Fluoranthene	19.498	202	712854	55.985	ng	96
78) Pyrene	19.856	202	777065	70.281	ng	95
81) Benzo(a)anthracene	21.701	228	576413	48.630	ng	97
83) Chrysene	21.771	228	518397	45.883	ng	95
84) Bis(2-ethylhexyl)phtha...	21.601	149	26417	5.212	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.716	276	307964	20.710	ng	# 95
88) Benzo(b)fluoranthene	23.957	252	742527	61.975	ng	# 98
89) Benzo(k)fluoranthene	23.957	252	742527	62.595	ng	99
90) Benzo(a)pyrene	24.838	252	495634	49.030	ng	# 97
92) Benzo(g,h,i)perylene	29.874	276	286213	23.586	ng	96

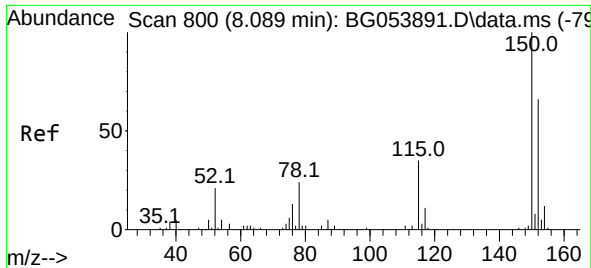
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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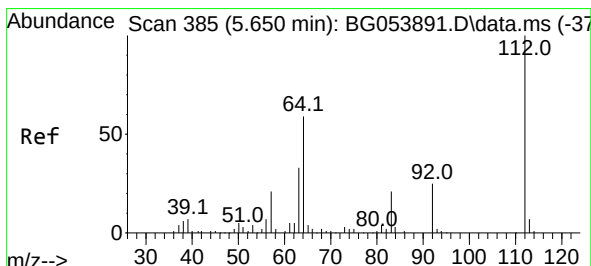
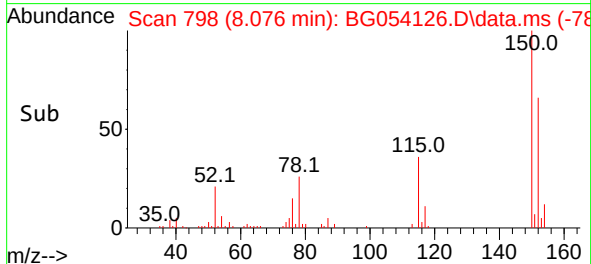
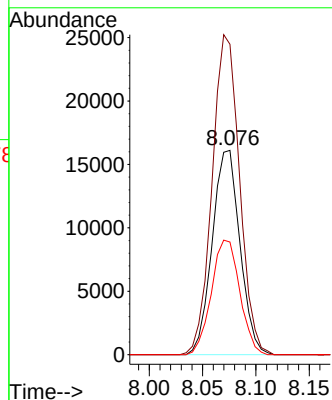
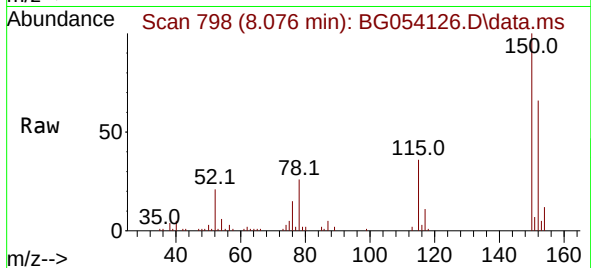




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

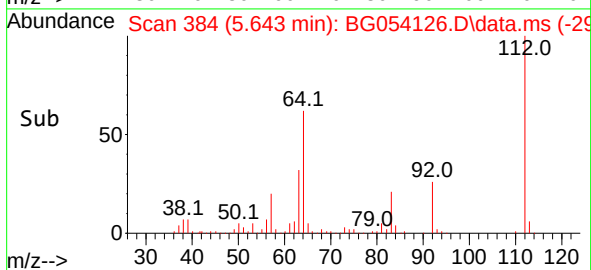
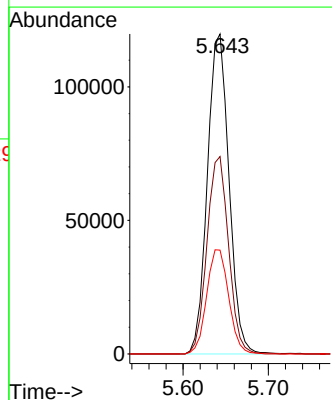
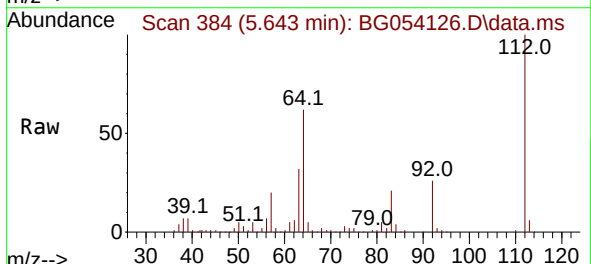
Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

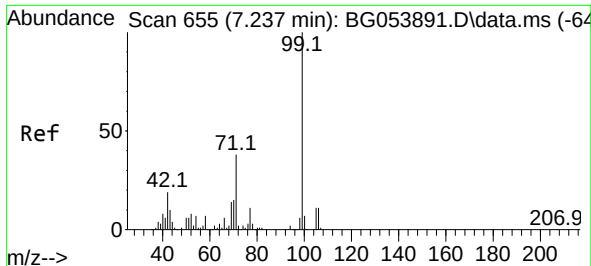
Tgt Ion:152 Resp: 29123
Ion Ratio Lower Upper
152 100
150 151.9 131.6 197.4
115 55.1 50.9 76.3



#5
2-Fluorophenol
Concen: 138.617 ng
RT: 5.643 min Scan# 384
Delta R.T. 0.005 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion:112 Resp: 211147
Ion Ratio Lower Upper
112 100
64 61.7 55.1 82.7
63 32.5 30.4 45.6

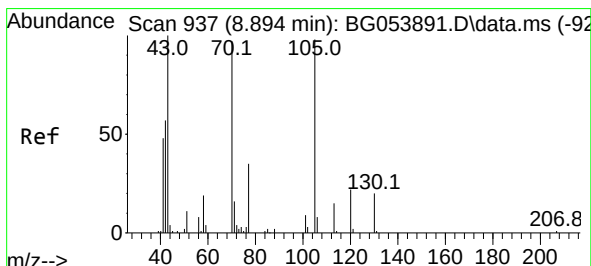
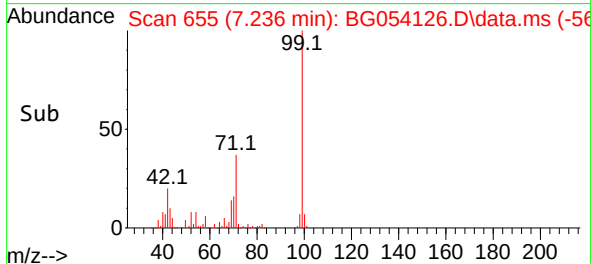
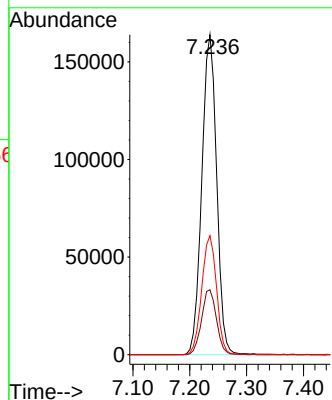
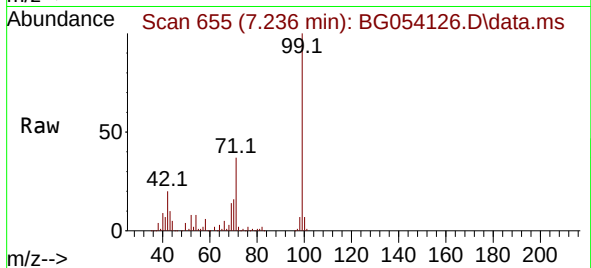




#7
Phenol-d6
Concen: 143.835 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

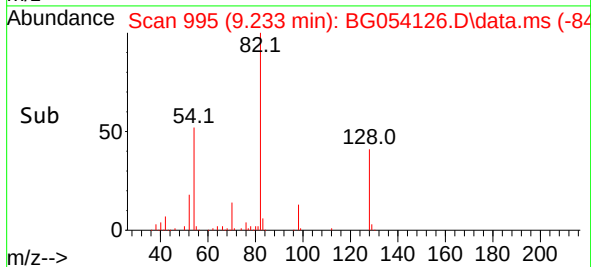
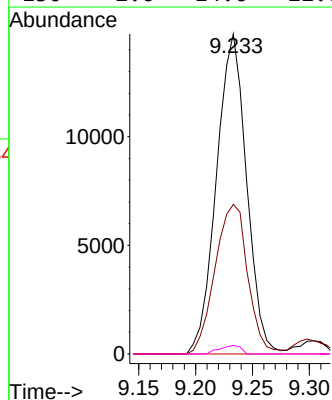
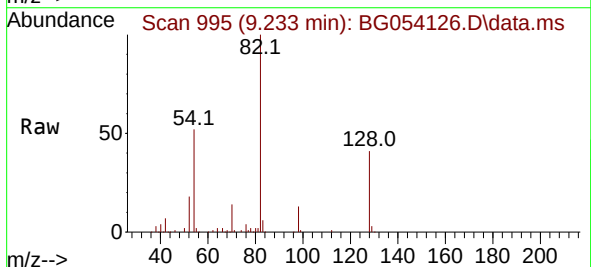
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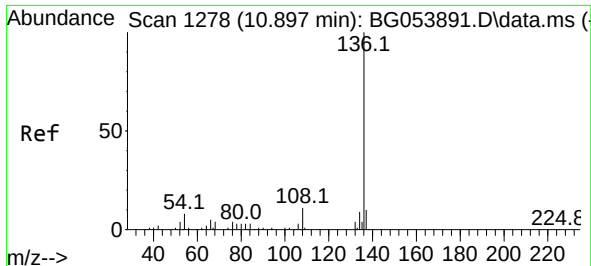
Tgt Ion: 99 Resp: 297219
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 37.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.507 ng
RT: 9.233 min Scan# 995
Delta R.T. 0.358 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion: 70 Resp: 27081
Ion Ratio Lower Upper
70 100
42 46.8 47.3 70.9#
101 0.0 7.0 10.4#
130 2.6 14.6 22.0#

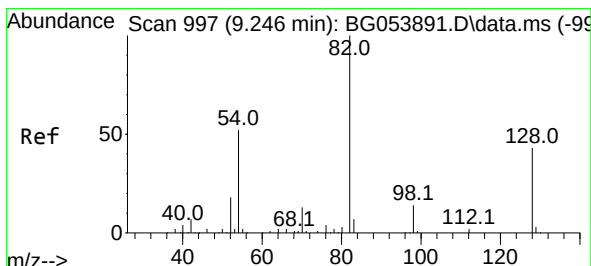
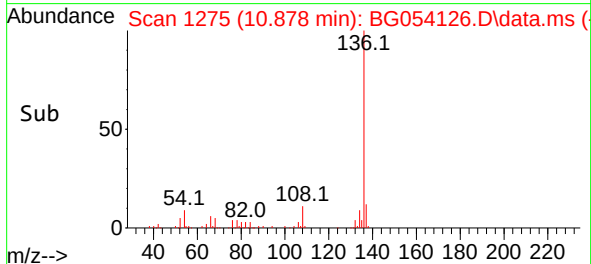
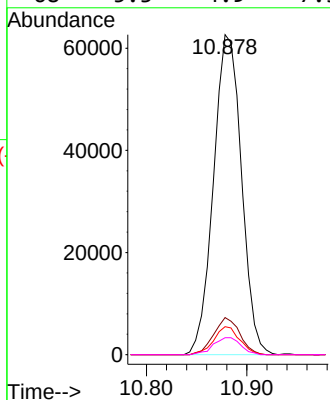
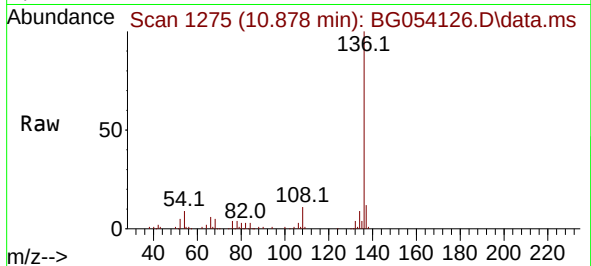




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.878 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

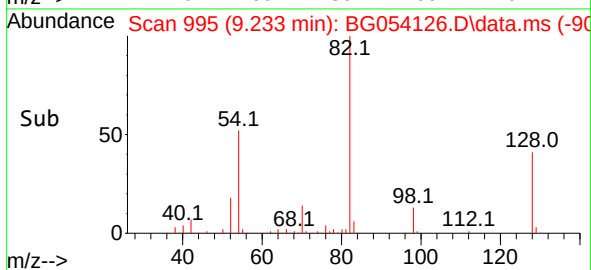
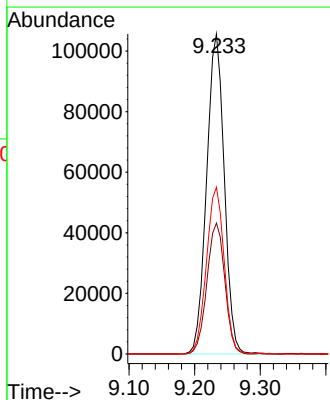
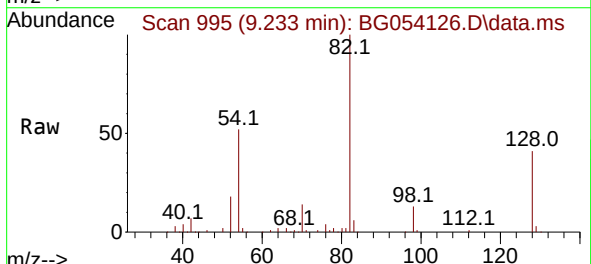
Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

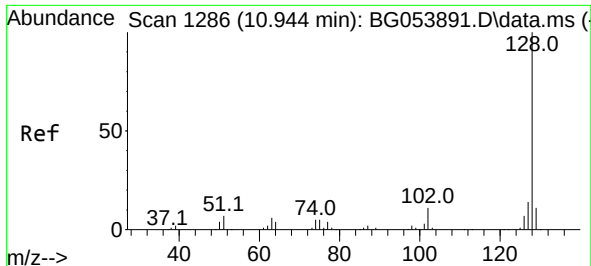
Tgt Ion:	136	Resp:	121208
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.5	12.7
54	8.8	7.4	11.2
68	5.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 91.513 ng
RT: 9.233 min Scan# 995
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

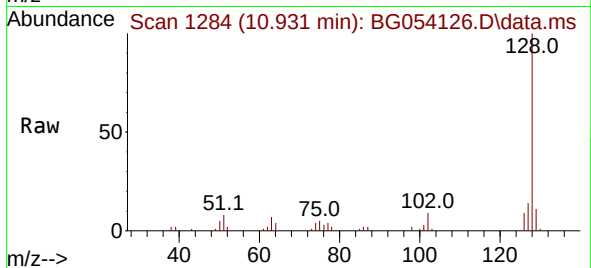
Tgt Ion:	82	Resp:	197381
Ion Ratio	Lower	Upper	
82	100		
128	40.9	27.9	41.9
54	52.1	41.2	61.8



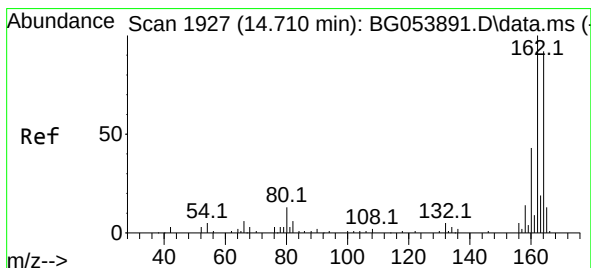
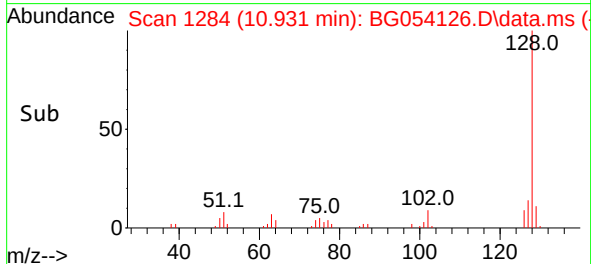
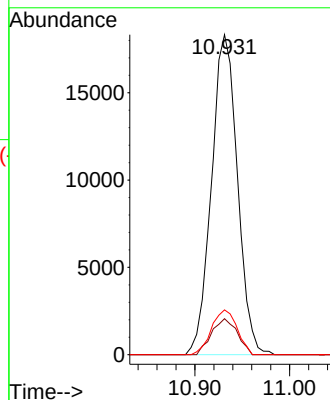


#31
Naphthalene
Concen: 5.702 ng
RT: 10.931 min Scan# 1284
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

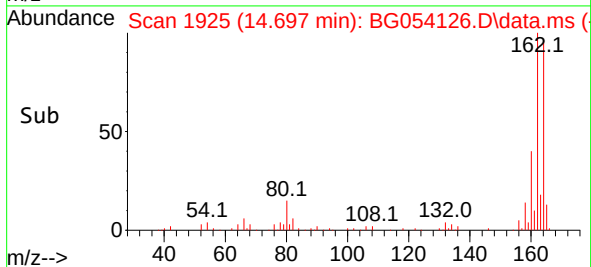
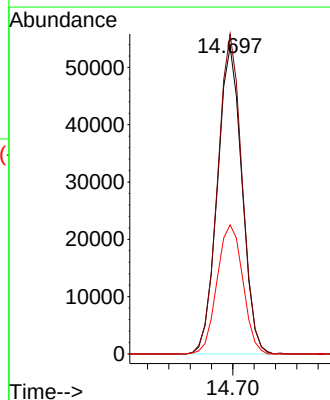
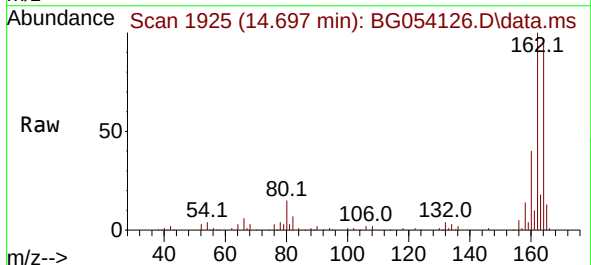


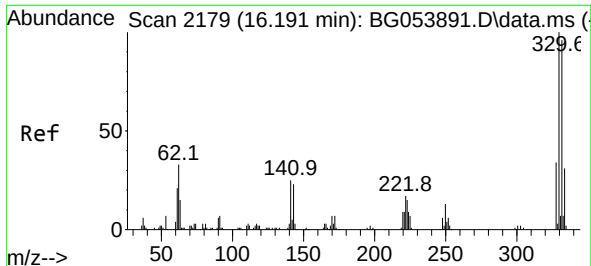
Tgt Ion:128 Resp: 34887
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 14.0 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.697 min Scan# 1925
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion:164 Resp: 85501
Ion Ratio Lower Upper
164 100
162 104.1 82.3 123.5
160 42.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 76.571 ng

RT: 16.184 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054126.D

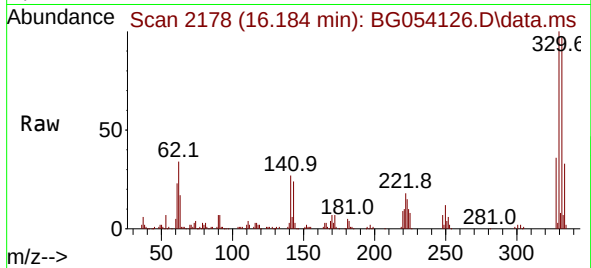
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Instrument :

BNA_G

ClientSampleId :

SB-11-9.5-11.5-20220623



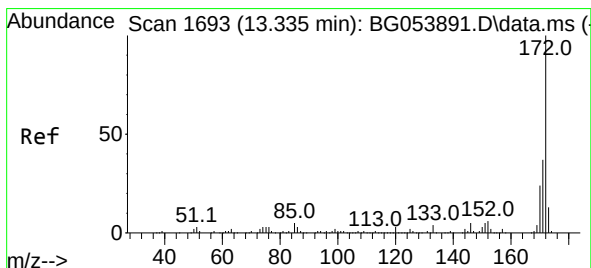
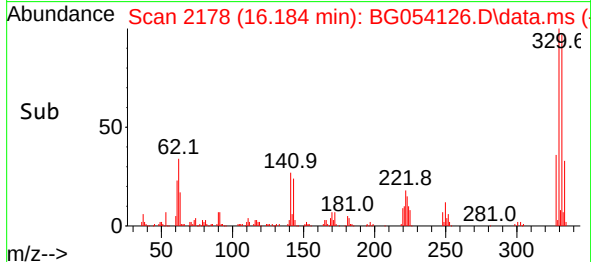
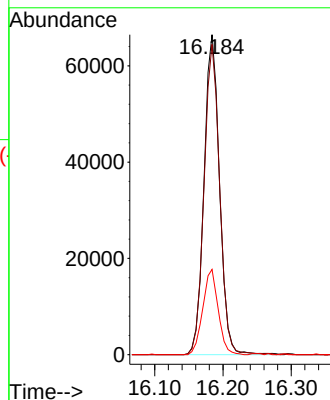
Tgt Ion:330 Resp: 105187

Ion Ratio Lower Upper

330 100

332 97.3 76.0 114.0

141 26.4 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 90.546 ng

RT: 13.323 min Scan# 1691

Delta R.T. -0.001 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

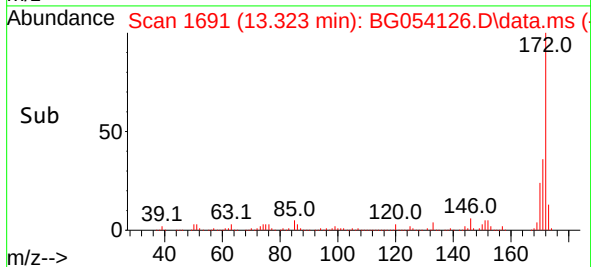
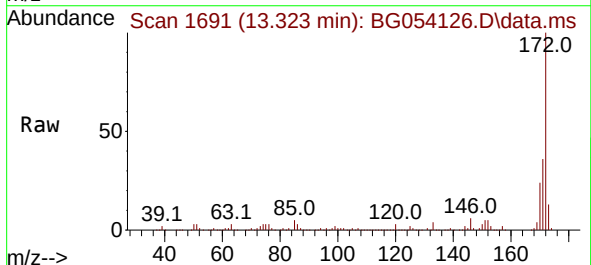
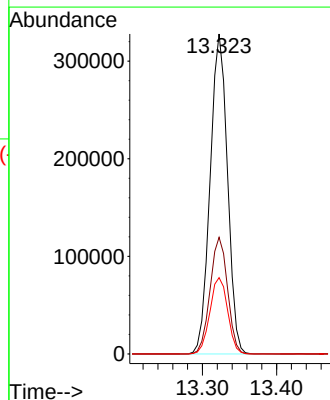
Tgt Ion:172 Resp: 532399

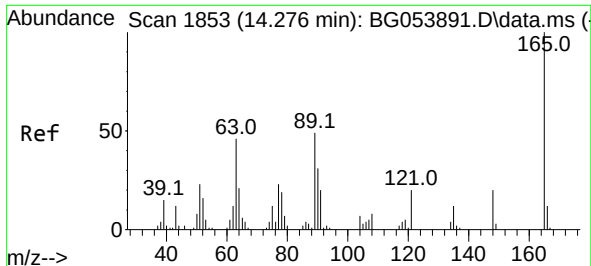
Ion Ratio Lower Upper

172 100

171 36.4 28.5 42.7

170 23.8 18.9 28.3

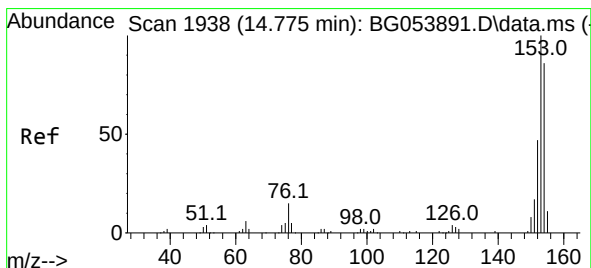
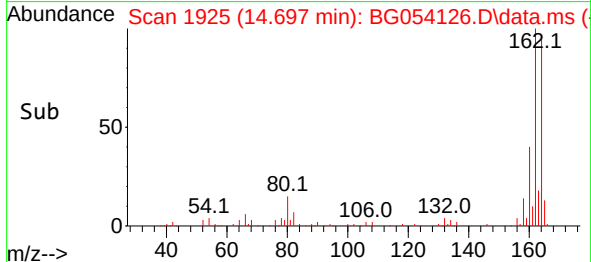
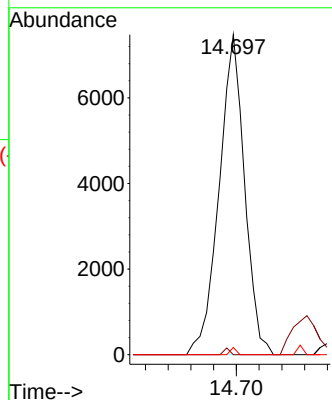
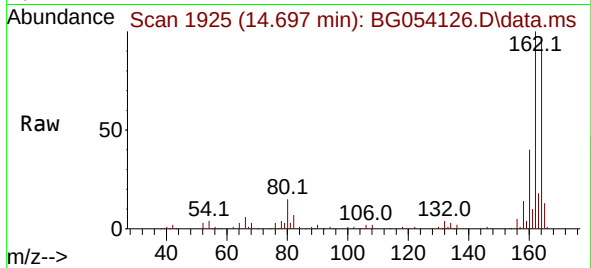




#51
2,6-Dinitrotoluene
Concen: 8.844 ng
RT: 14.697 min Scan# 1925
Delta R.T. 0.434 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

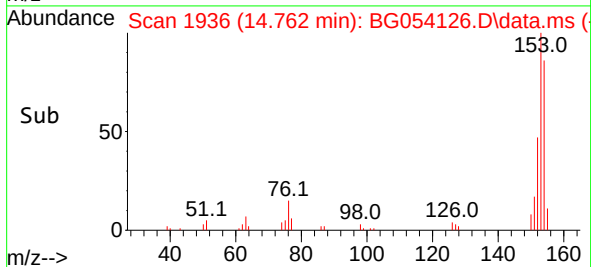
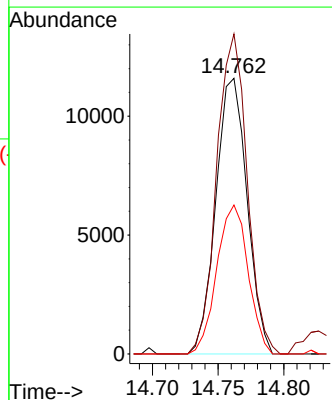
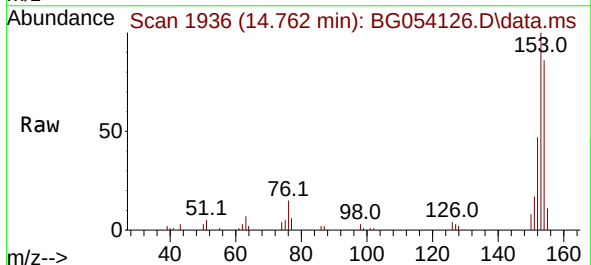
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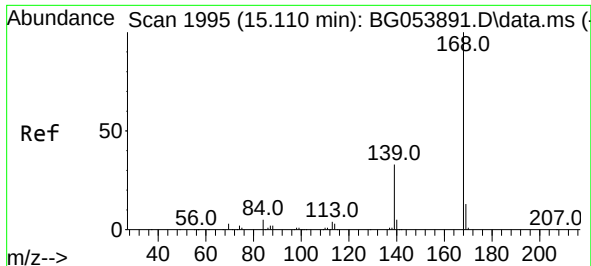
Tgt Ion:165 Resp: 11635
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.3 54.8 82.2#



#52
Acenaphthene
Concen: 4.025 ng
RT: 14.762 min Scan# 1936
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion:154 Resp: 19227
Ion Ratio Lower Upper
154 100
153 116.1 92.7 139.1
152 54.1 42.6 64.0

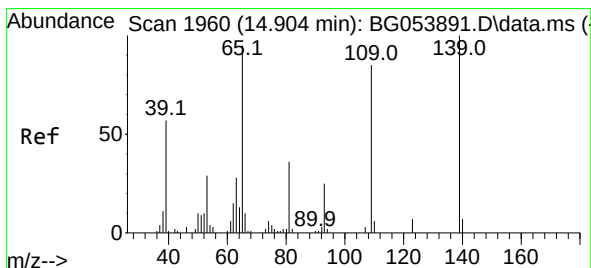
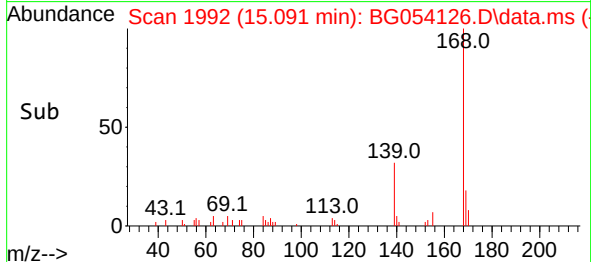
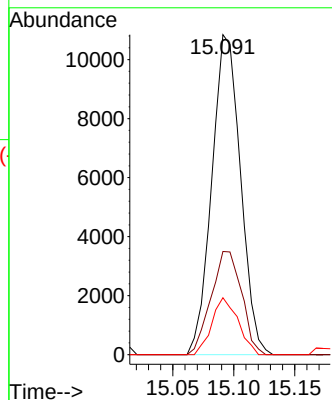
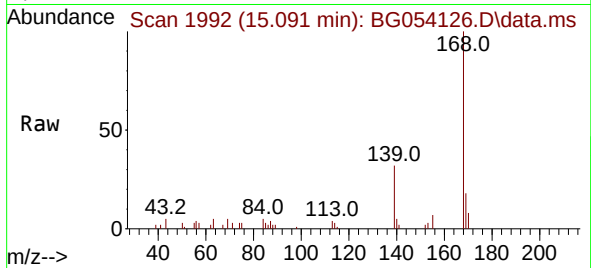




#55
Dibenzenofuran
Concen: 2.308 ng
RT: 15.091 min Scan# 1992
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

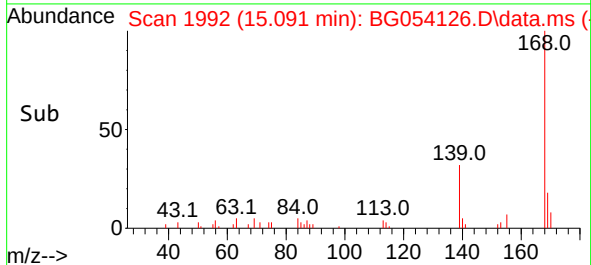
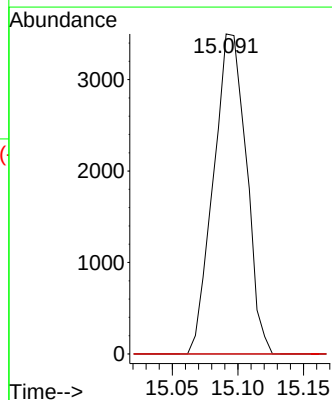
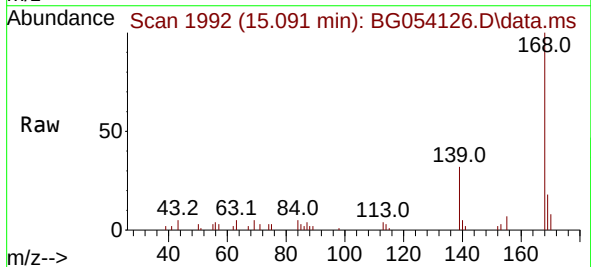
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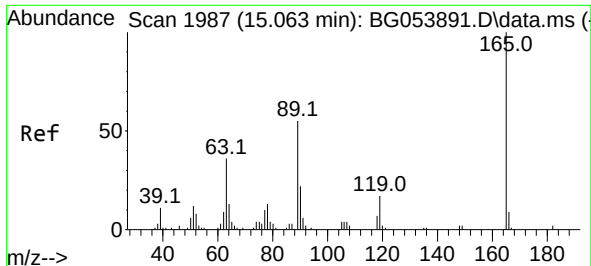
Tgt Ion:168 Resp: 17763
Ion Ratio Lower Upper
168 100
139 32.3 30.5 45.7
169 17.8 10.3 15.5#



#56
4-Nitrophenol
Concen: 6.734 ng
RT: 15.091 min Scan# 1992
Delta R.T. 0.193 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion:139 Resp: 6094
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

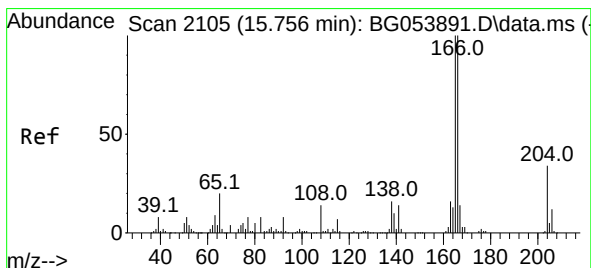
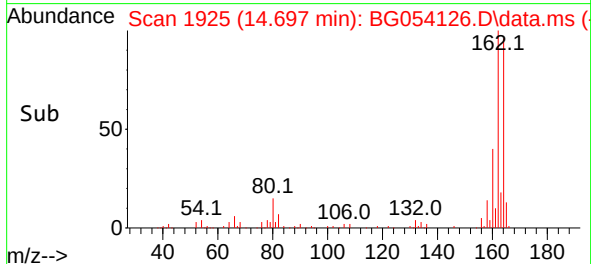
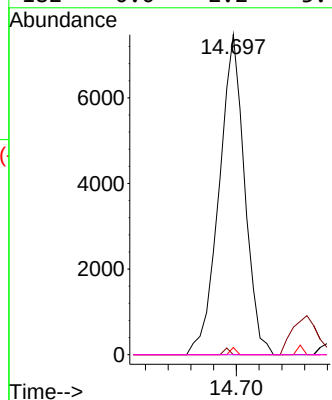
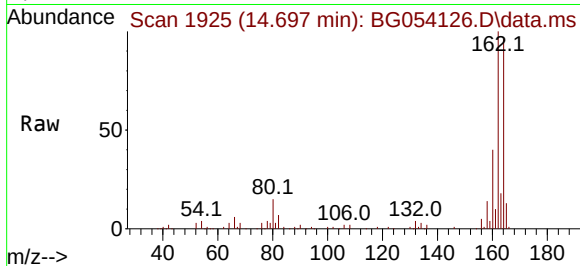




#57
2,4-Dinitrotoluene
Concen: 6.262 ng
RT: 14.697 min Scan# 1987
Delta R.T. -0.353 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

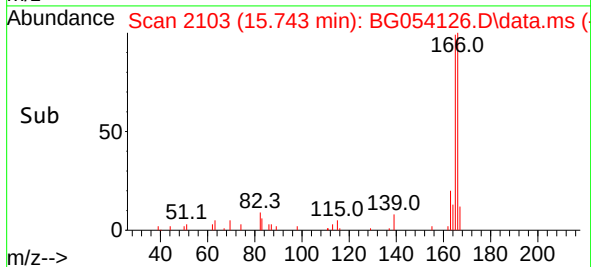
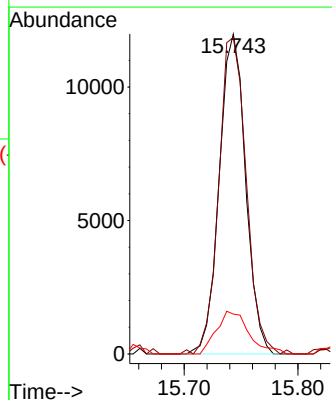
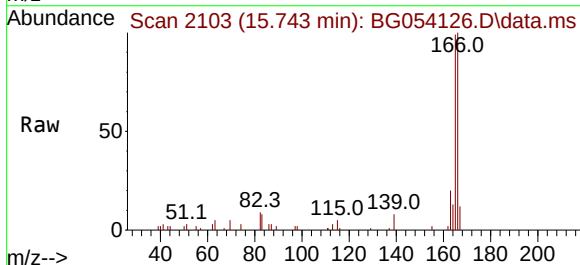
Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

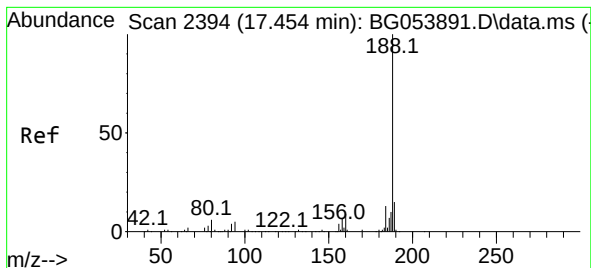
Tgt Ion:165 Resp: 11635
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.3 60.3 90.5#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 3.052 ng
RT: 15.743 min Scan# 2103
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion:166 Resp: 19287
Ion Ratio Lower Upper
166 100
165 98.9 75.0 112.6
167 12.5 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.441 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

Instrument :

BNA_G

ClientSampleId :

SB-11-9.5-11.5-20220623

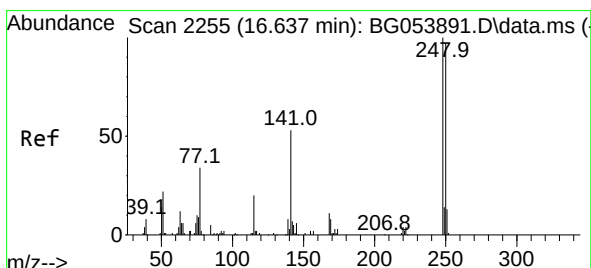
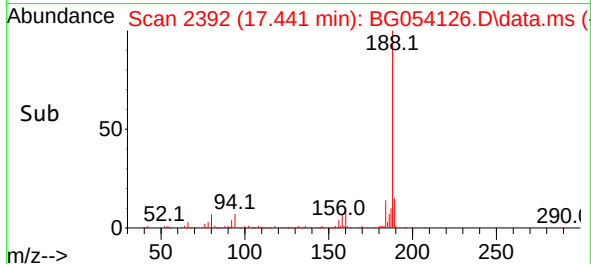
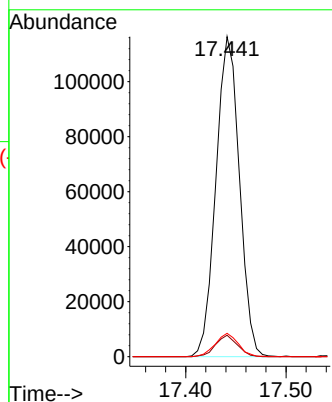
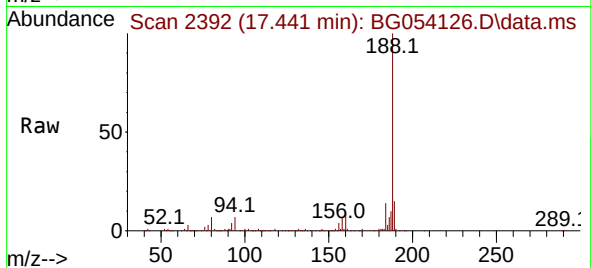
Tgt Ion:188 Resp: 188793

Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.0

80 7.3 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 2.909 ng

RT: 16.184 min Scan# 2178

Delta R.T. -0.441 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

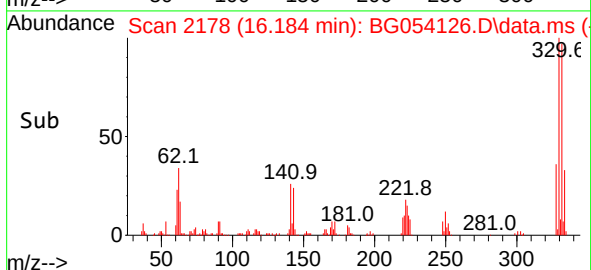
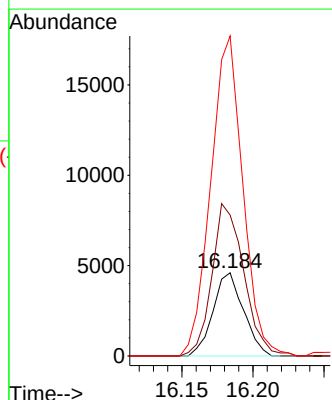
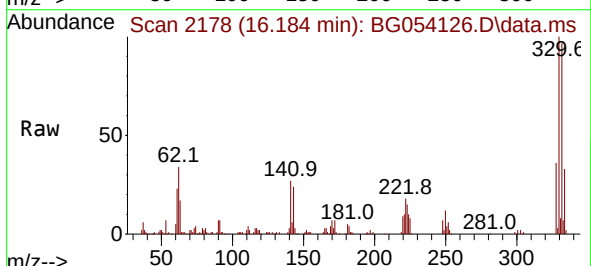
Tgt Ion:248 Resp: 6859

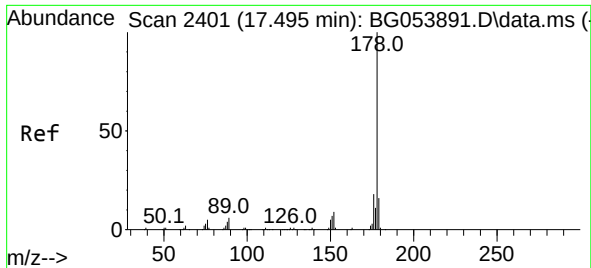
Ion Ratio Lower Upper

248 100

250 173.2 75.2 112.8#

141 296.8 50.0 75.0#

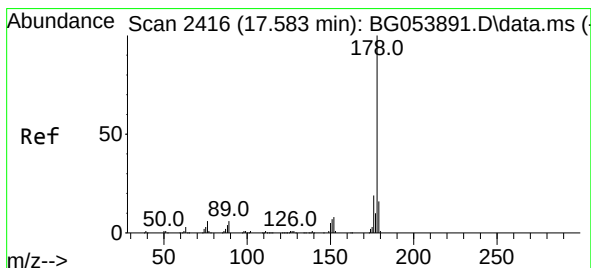
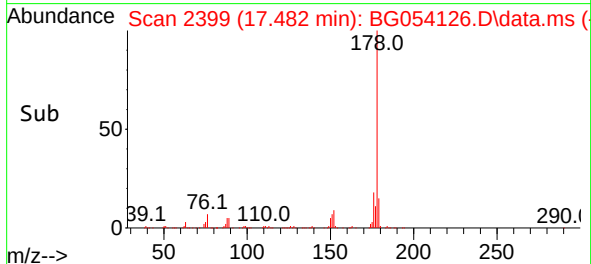
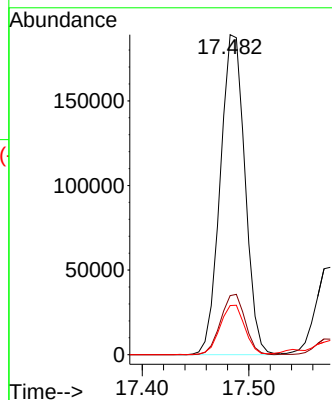
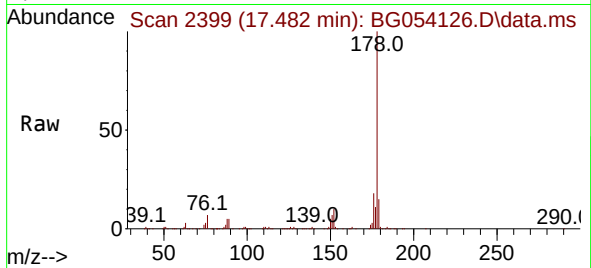




#71
Phenanthrene
Concen: 31.380 ng
RT: 17.482 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

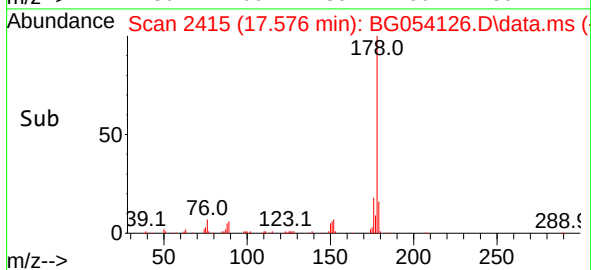
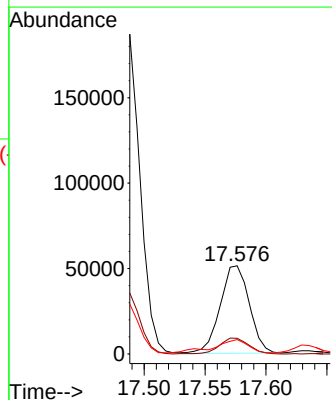
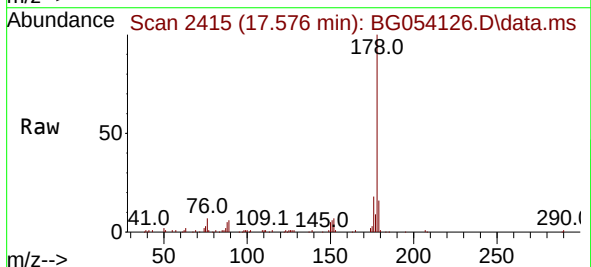
Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

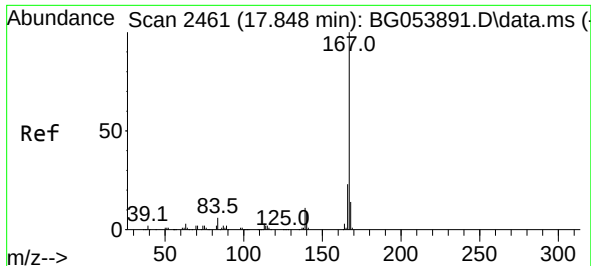
Tgt Ion:178 Resp: 304379
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 15.4 12.1 18.1



#72
Anthracene
Concen: 9.025 ng
RT: 17.576 min Scan# 2415
Delta R.T. -0.001 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion:178 Resp: 85480
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 16.3 13.0 19.4

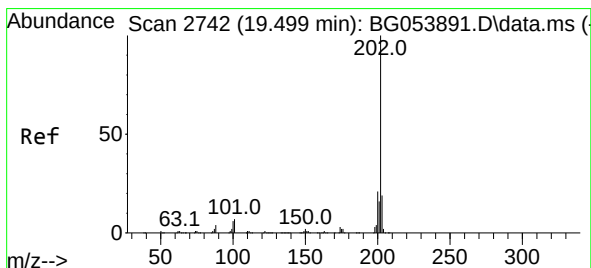
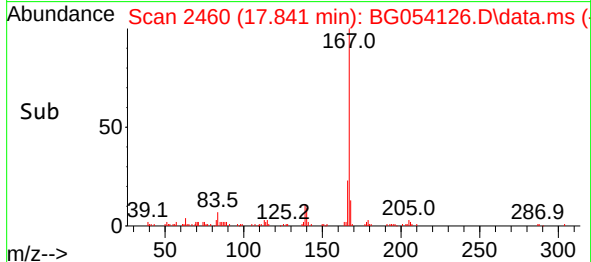
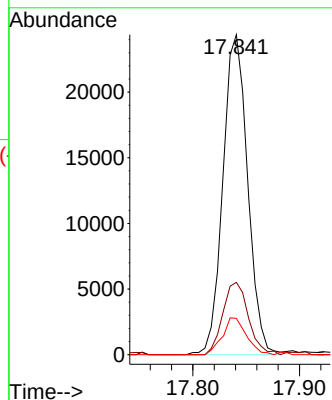
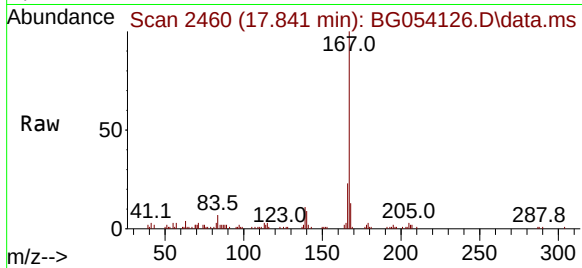




#73
 Carbazole
 Concen: 4.830 ng
 RT: 17.841 min Scan# 2461
 Delta R.T. -0.001 min
 Lab File: BG054126.D
 Acq: 28 Jun 2022 20:49

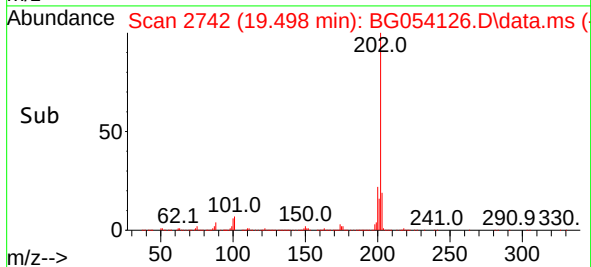
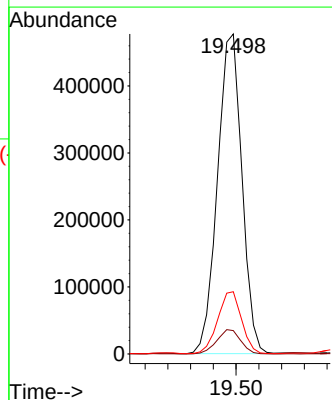
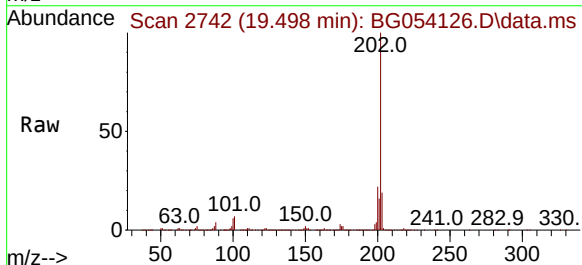
Instrument :
 BNA_G
 ClientSampleId :
 SB-11-9.5-11.5-20220623

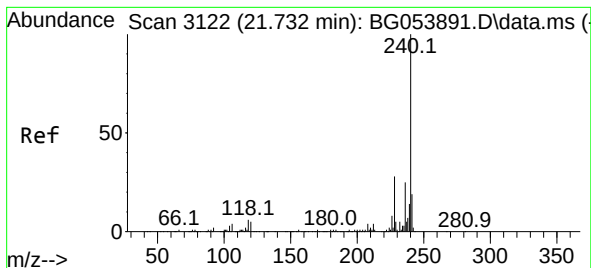
Tgt Ion:167 Resp: 39271
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.2 27.2
 139 11.3 10.1 15.1



#75
 Fluoranthene
 Concen: 55.985 ng
 RT: 19.498 min Scan# 2742
 Delta R.T. 0.005 min
 Lab File: BG054126.D
 Acq: 28 Jun 2022 20:49

Tgt Ion:202 Resp: 712854
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 26.9
 203 19.5 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.724 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

Instrument :

BNA_G

ClientSampleId :

SB-11-9.5-11.5-20220623

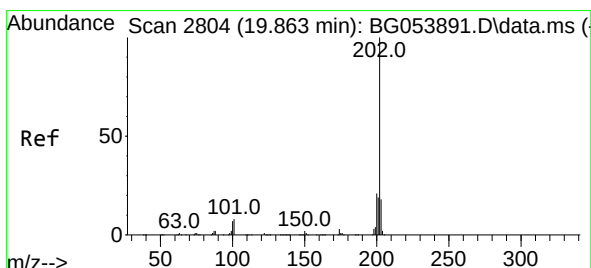
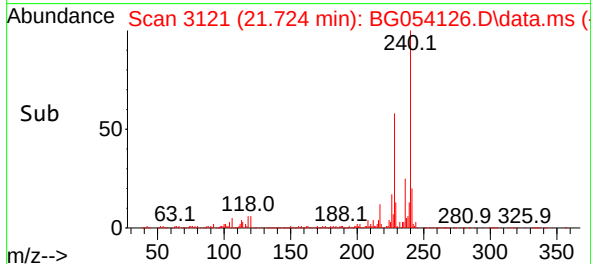
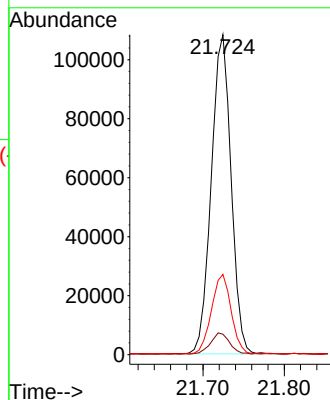
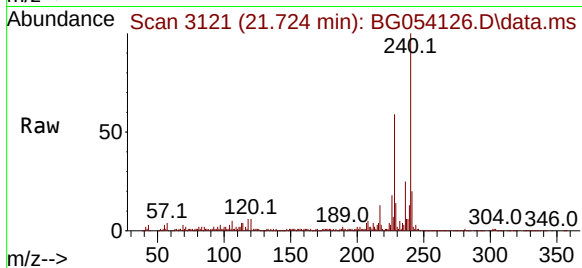
Tgt Ion:240 Resp: 183062

Ion Ratio Lower Upper

240 100

120 6.4 4.6 7.0

236 25.1 20.2 30.4



#78

Pyrene

Concen: 70.281 ng

RT: 19.856 min Scan# 2803

Delta R.T. 0.005 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

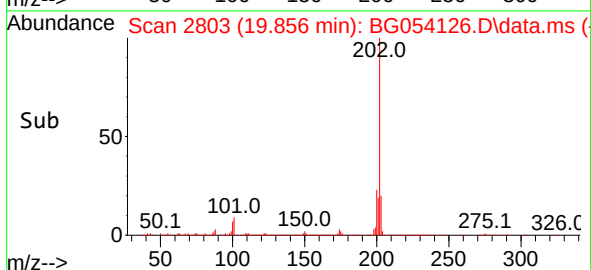
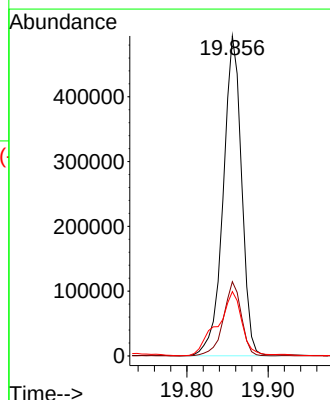
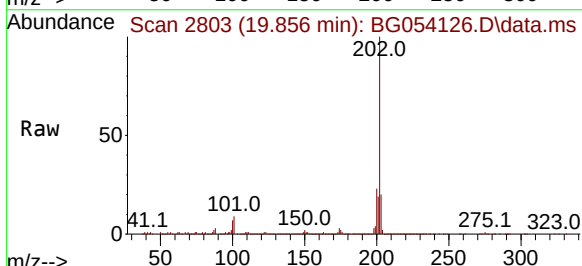
Tgt Ion:202 Resp: 777065

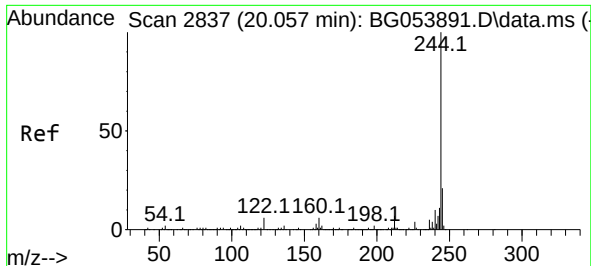
Ion Ratio Lower Upper

202 100

200 23.2 16.6 24.8

203 20.1 14.6 21.8

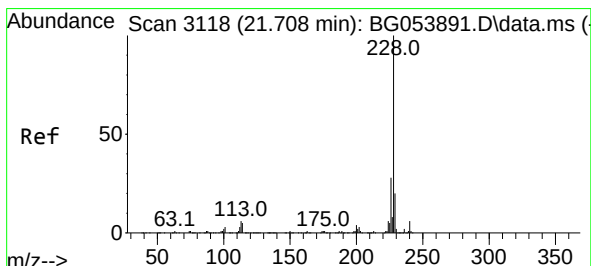
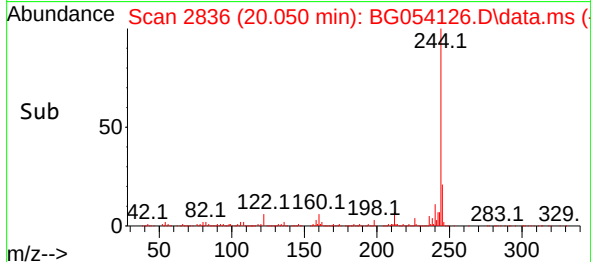
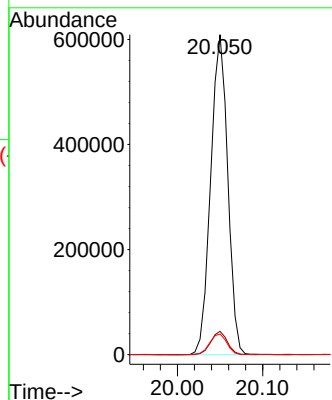
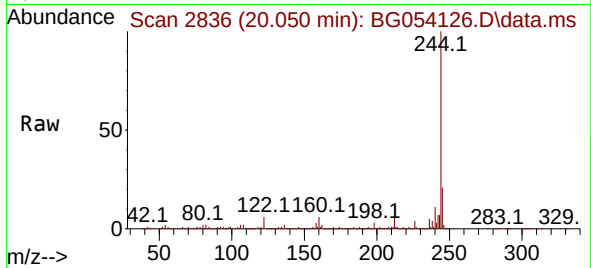




#79
 Terphenyl-d14
 Concen: 93.187 ng
 RT: 20.050 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG054126.D
 Acq: 28 Jun 2022 20:49

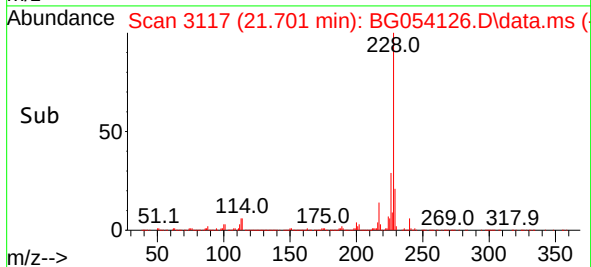
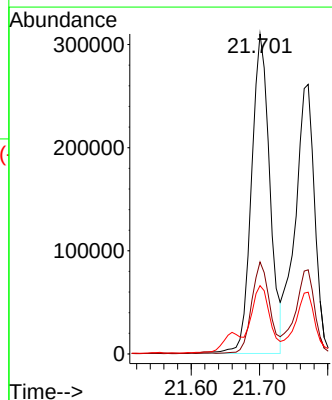
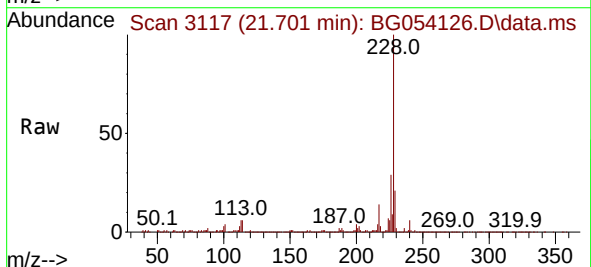
Instrument :
 BNA_G
 ClientSampleId :
 SB-11-9.5-11.5-20220623

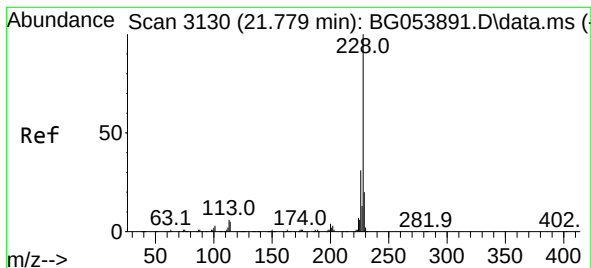
Tgt Ion:244 Resp: 846990
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 6.5 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 48.630 ng
 RT: 21.701 min Scan# 3117
 Delta R.T. 0.005 min
 Lab File: BG054126.D
 Acq: 28 Jun 2022 20:49

Tgt Ion:228 Resp: 576413
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.6 32.4
 229 21.4 16.2 24.2





#83

Chrysene

Concen: 45.883 ng

RT: 21.771 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

Instrument :

BNA_G

ClientSampleId :

SB-11-9.5-11.5-20220623

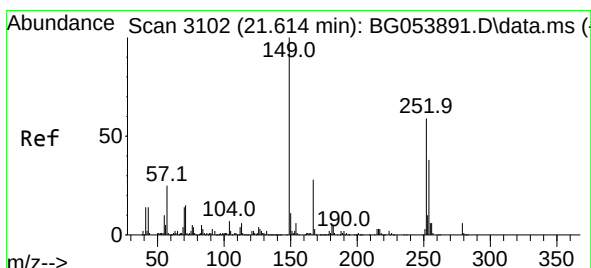
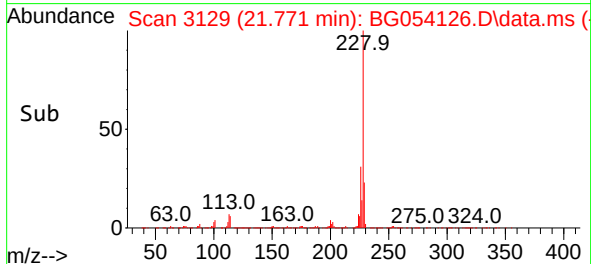
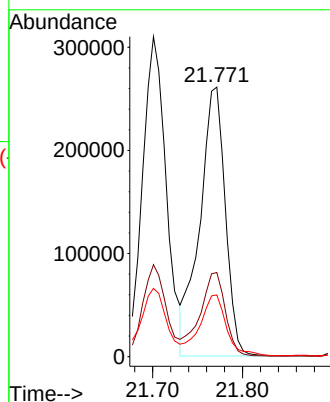
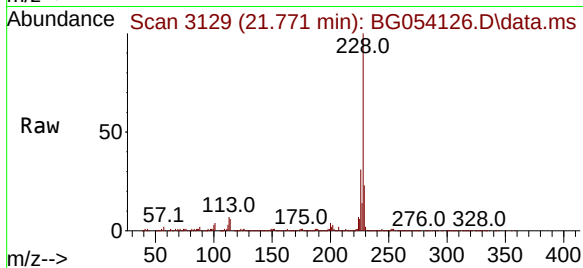
Tgt Ion:228 Resp: 518397

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

229 22.9 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.212 ng

RT: 21.601 min Scan# 3100

Delta R.T. -0.001 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

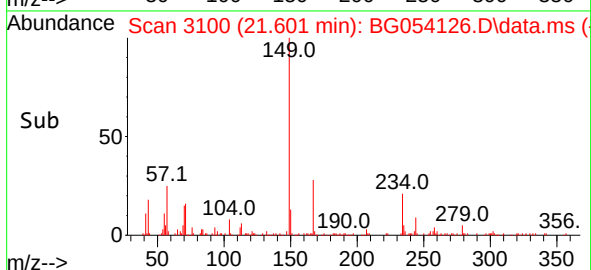
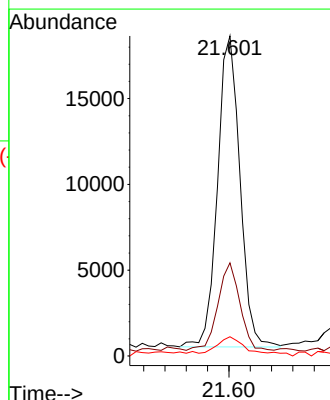
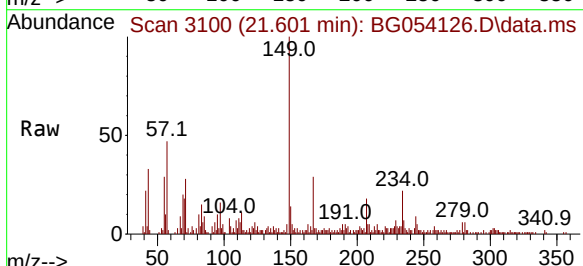
Tgt Ion:149 Resp: 26417

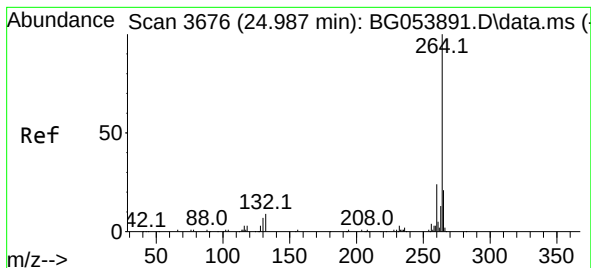
Ion Ratio Lower Upper

149 100

167 29.1 20.2 30.4

279 6.0 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.985 min Scan# 3

Delta R.T. 0.023 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

Instrument :

BNA_G

ClientSampleId :

SB-11-9.5-11.5-20220623

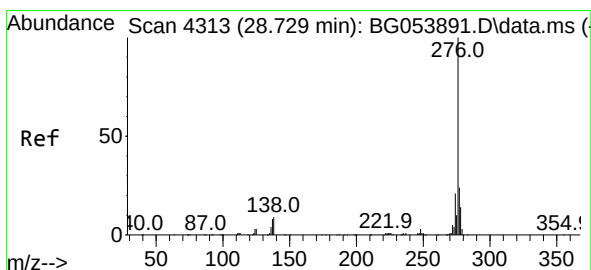
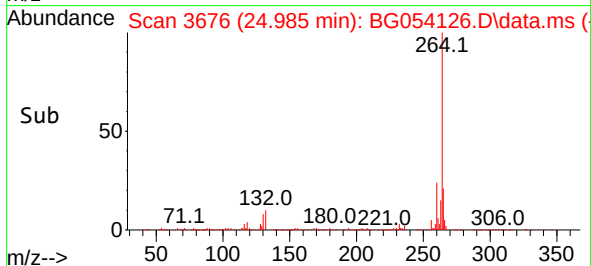
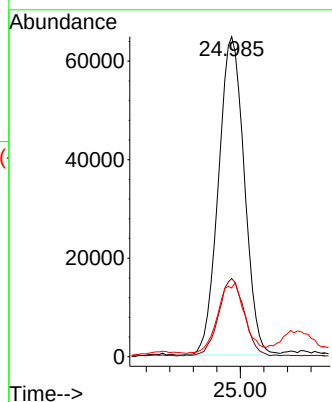
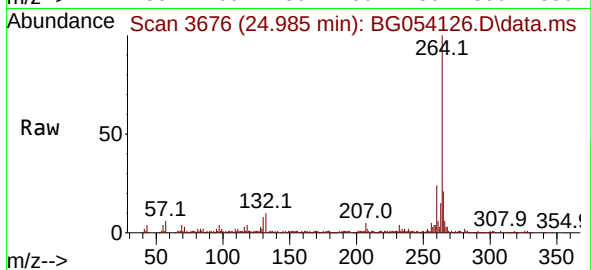
Tgt Ion:264 Resp: 197049

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 21.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 20.710 ng

RT: 28.716 min Scan# 4311

Delta R.T. 0.029 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

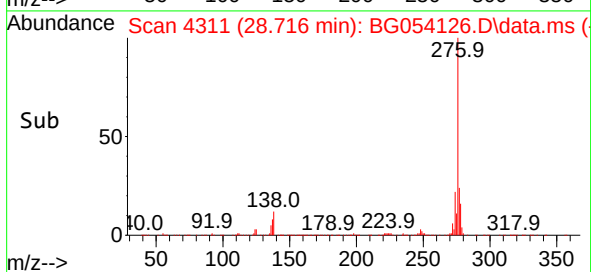
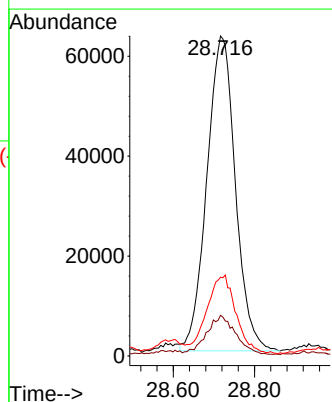
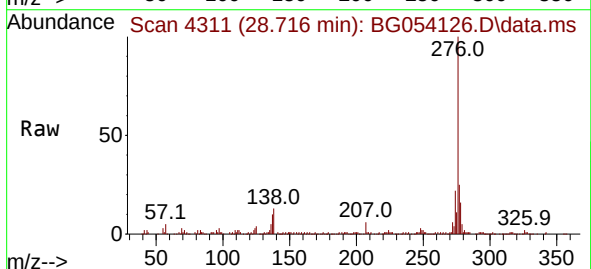
Tgt Ion:276 Resp: 307964

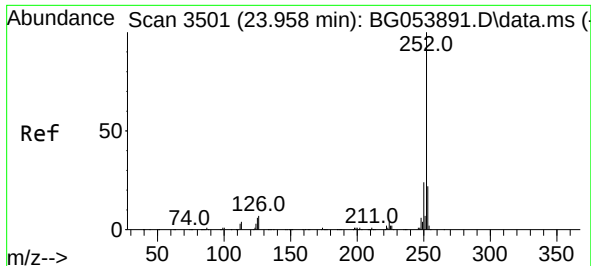
Ion Ratio Lower Upper

276 100

138 12.5 5.0 7.4#

277 24.3 20.3 30.5

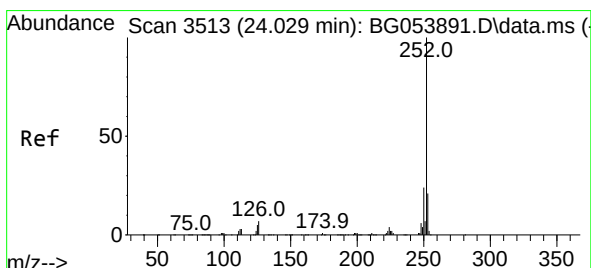
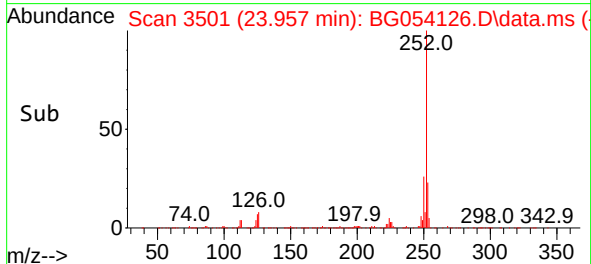
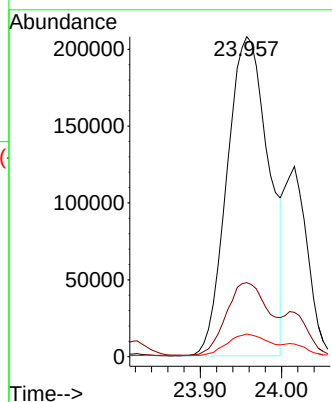
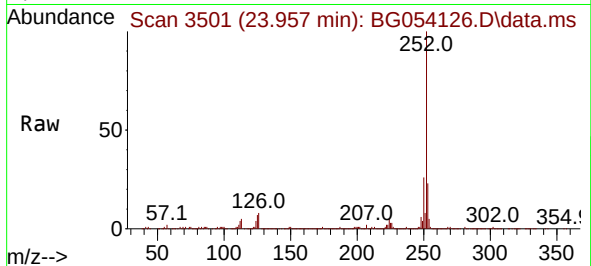




#88
Benzo(b)fluoranthene
Concen: 61.975 ng
RT: 23.957 min Scan# 3501
Delta R.T. 0.023 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

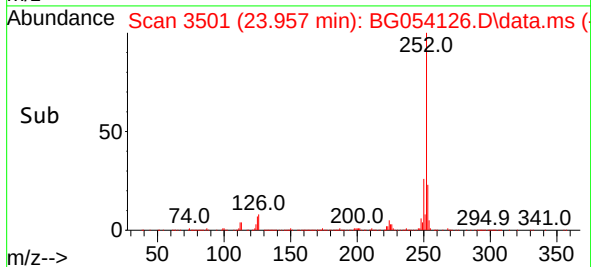
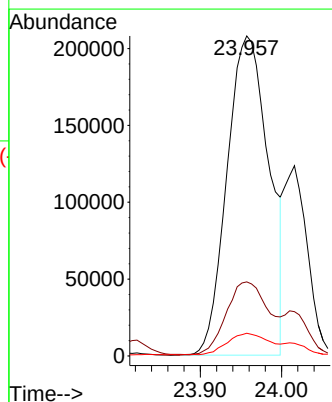
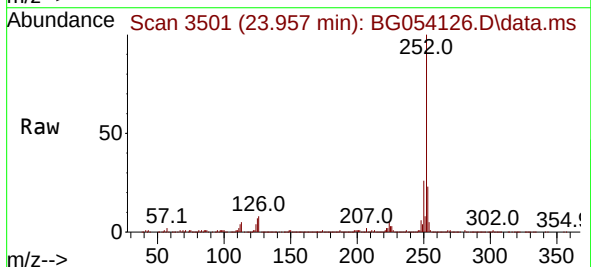
Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

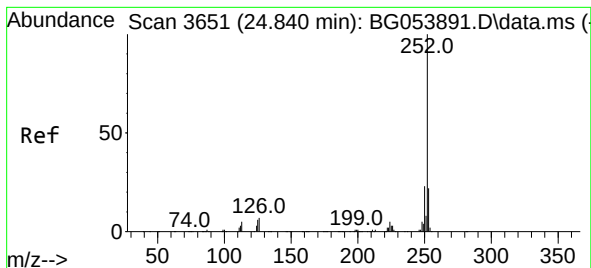
Tgt Ion:252 Resp: 742527
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 7.1 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 62.595 ng
RT: 23.957 min Scan# 3501
Delta R.T. -0.048 min
Lab File: BG054126.D
Acq: 28 Jun 2022 20:49

Tgt Ion:252 Resp: 742527
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 7.1 4.8 7.2





#90

Benzo(a)pyrene

Concen: 49.030 ng

RT: 24.838 min Scan# 3

Delta R.T. 0.023 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

Instrument :

BNA_G

ClientSampleId :

SB-11-9.5-11.5-20220623

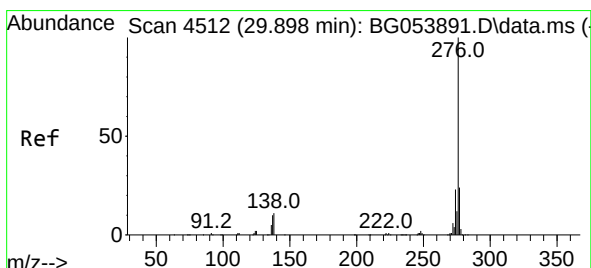
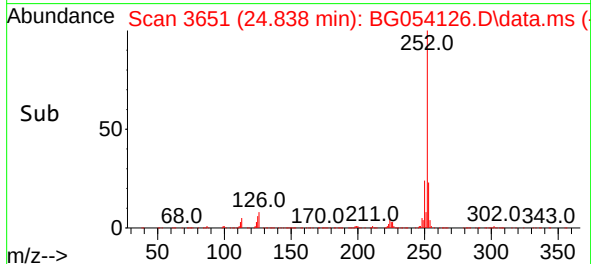
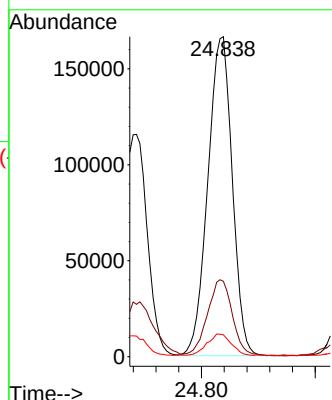
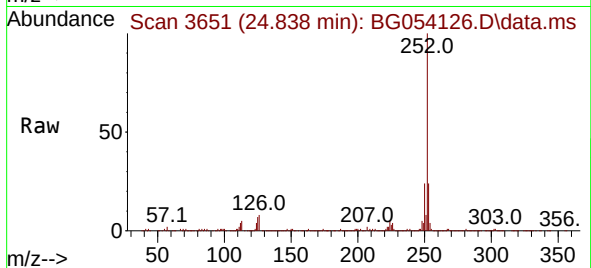
Tgt Ion:252 Resp: 495634

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 6.9 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 23.586 ng

RT: 29.874 min Scan# 4508

Delta R.T. 0.011 min

Lab File: BG054126.D

Acq: 28 Jun 2022 20:49

Tgt Ion:276 Resp: 286213

Ion Ratio Lower Upper

276 100

277 23.9 17.3 25.9

138 12.6 9.6 14.4

