

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054128.D
 Acq On : 28 Jun 2022 22:07
 Operator : CG/JU
 Sample : N3488-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-9-8.5-10.5-20220623

Quant Time: Jun 29 02:00:02 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

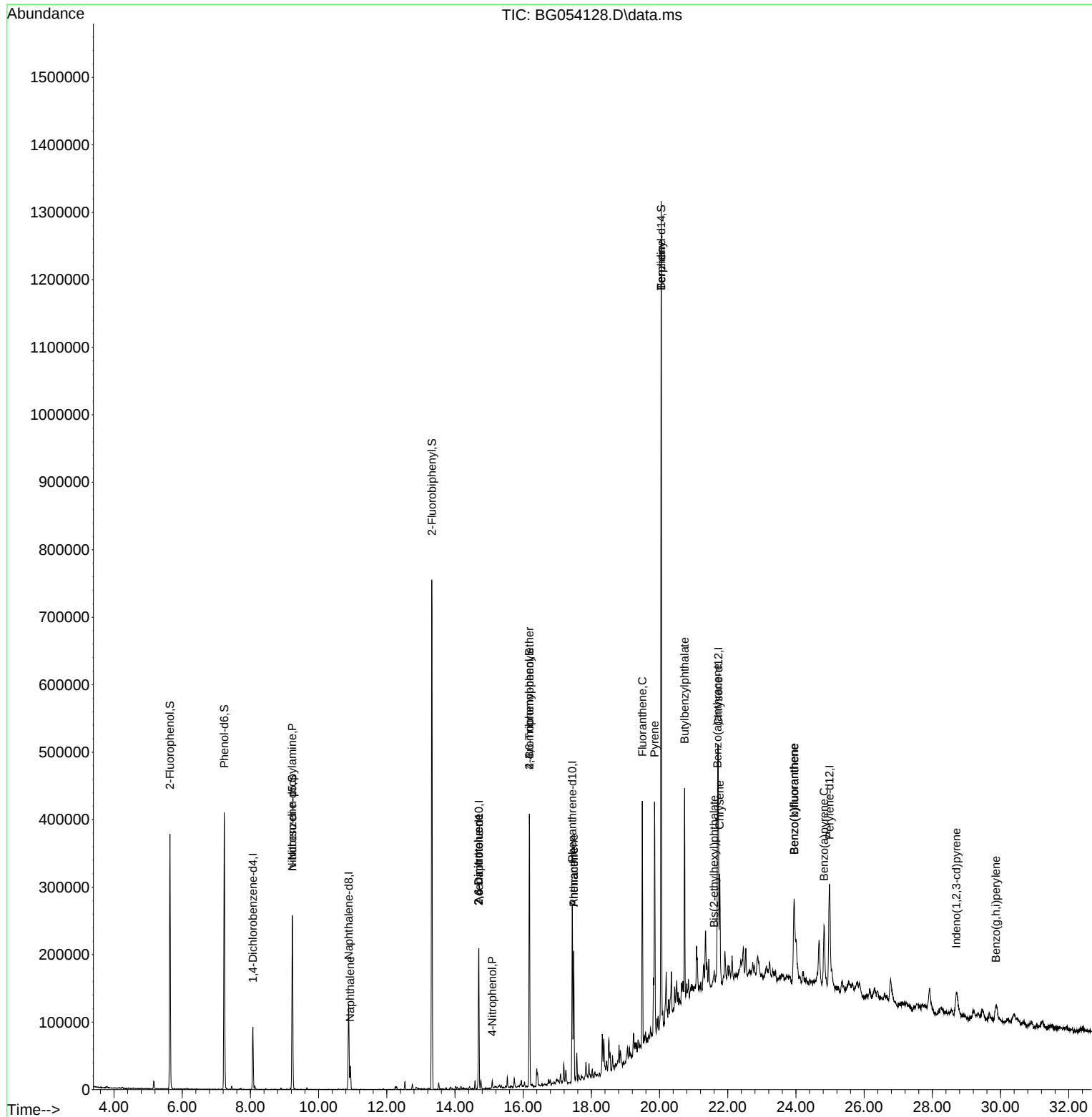
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	29291	20.000	ng	0.00
21) Naphthalene-d8	10.881	136	117490	20.000	ng	0.00
39) Acenaphthene-d10	14.701	164	81146	20.000	ng	0.00
64) Phenanthrene-d10	17.438	188	182707	20.000	ng	0.00
76) Chrysene-d12	21.722	240	184539	20.000	ng	0.00
86) Perylene-d12	24.983	264	191252	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.641	112	178748	116.674	ng	0.00
7) Phenol-d6	7.233	99	252321	121.407	ng	0.00
23) Nitrobenzene-d5	9.230	82	167210	79.978	ng	0.00
42) 2,4,6-Tribromophenol	16.181	330	91548	70.219	ng	0.00
45) 2-Fluorobiphenyl	13.320	172	433903	77.755	ng	0.00
79) Terphenyl-d14	20.047	244	690210	75.330	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.230	70	22634	16.210	ng	# 78
31) Naphthalene	10.928	128	32424	5.467	ng	99
51) 2,6-Dinitrotoluene	14.695	165	11369	9.105	ng	# 17
56) 4-Nitrophenol	15.094	139	1996	2.324	ng	# 1
57) 2,4-Dinitrotoluene	14.695	165	11369	6.447	ng	# 22
67) 4-Bromophenyl-phenylether	16.181	248	5699	2.497	ng	# 1
71) Phenanthrene	17.485	178	136377	14.528	ng	98
72) Anthracene	17.485	178	136377	14.878	ng	99
75) Fluoranthene	19.495	202	238342	19.342	ng	97
77) Benzidine	20.047	184	10501	2.748	ng	96
78) Pyrene	19.853	202	225275	20.212	ng	97
80) Butylbenzylphthalate	20.735	149	100109	28.022	ng	91
81) Benzo(a)anthracene	21.698	228	150110	12.563	ng	97
83) Chrysene	21.763	228	131620	11.556	ng	96
84) Bis(2-ethylhexyl)phtha...	21.598	149	10747	2.103	ng	# 87
87) Indeno(1,2,3-cd)pyrene	28.708	276	66484	4.606	ng	98
88) Benzo(b)fluoranthene	23.948	252	165621	14.243	ng	# 98
89) Benzo(k)fluoranthene	23.948	252	165621	14.385	ng	# 97
90) Benzo(a)pyrene	24.824	252	113522	11.570	ng	# 95
92) Benzo(g,h,i)perylene	29.865	276	60199	5.111	ng	# 91

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

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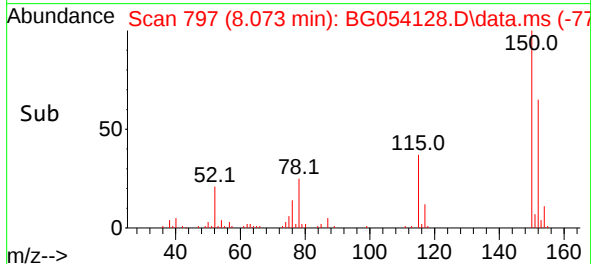
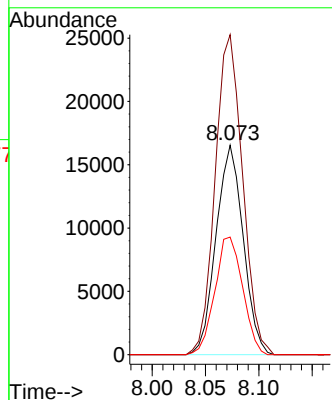
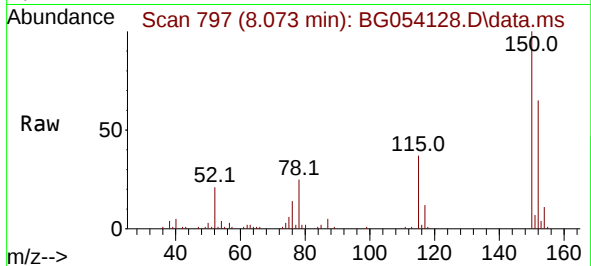




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.073 min Scan# 79
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

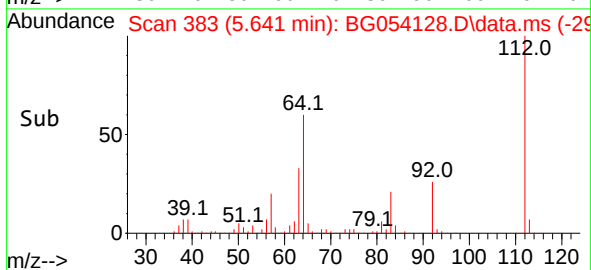
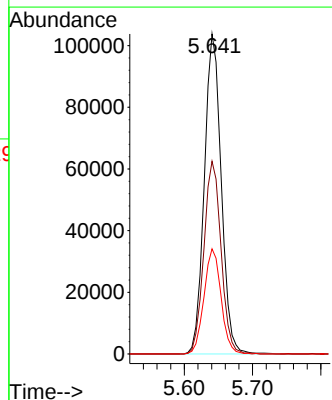
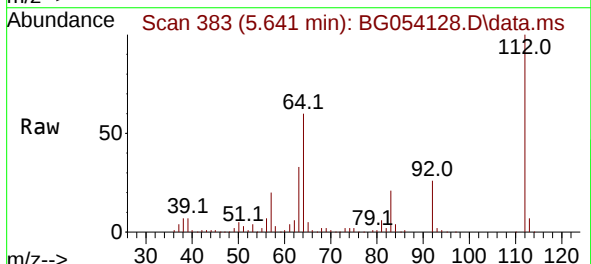
Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

Tgt Ion:152 Resp: 29291
Ion Ratio Lower Upper
152 100
150 152.8 131.6 197.4
115 56.1 50.9 76.3



#5
2-Fluorophenol
Concen: 116.674 ng
RT: 5.641 min Scan# 383
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:112 Resp: 178748
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 32.9 30.4 45.6

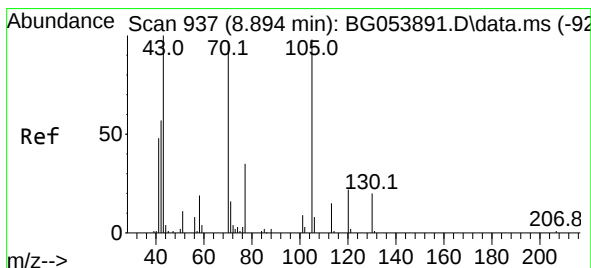
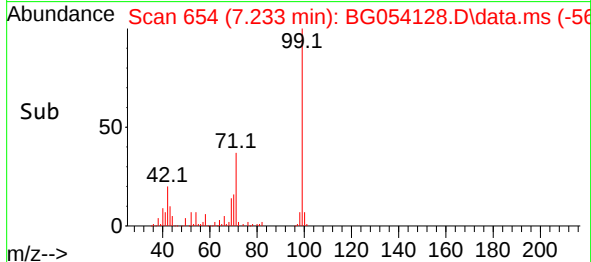
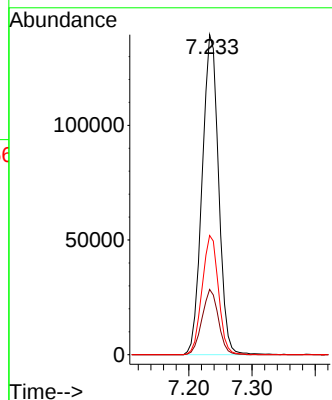
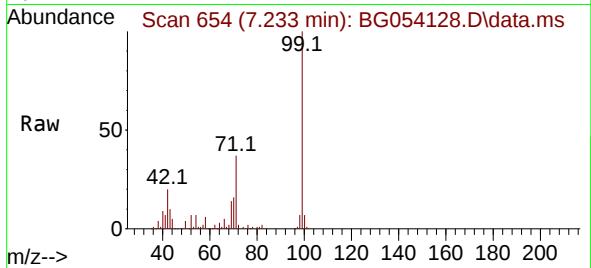




#7
Phenol-d6
Concen: 121.407 ng
RT: 7.233 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

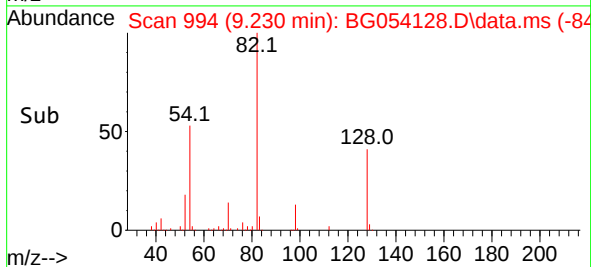
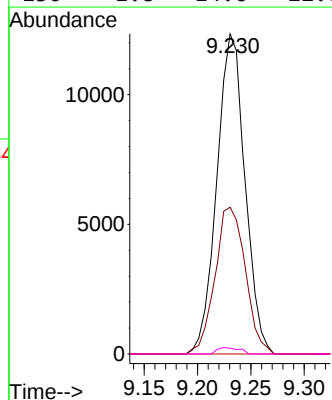
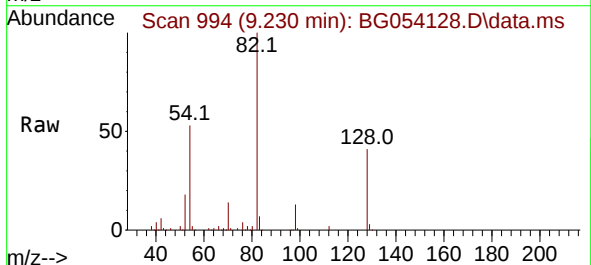
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ClientSampleId :
SB-9-8.5-10.5-20220623

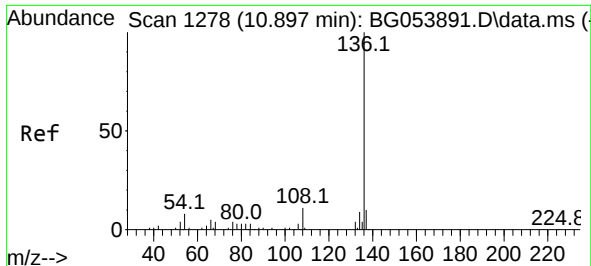
Tgt Ion: 99 Resp: 252321
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 37.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.210 ng
RT: 9.230 min Scan# 994
Delta R.T. 0.355 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion: 70 Resp: 22634
Ion Ratio Lower Upper
70 100
42 45.9 47.3 70.9#
101 0.0 7.0 10.4#
130 1.8 14.6 22.0#

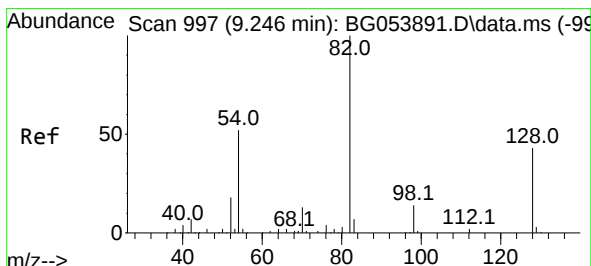
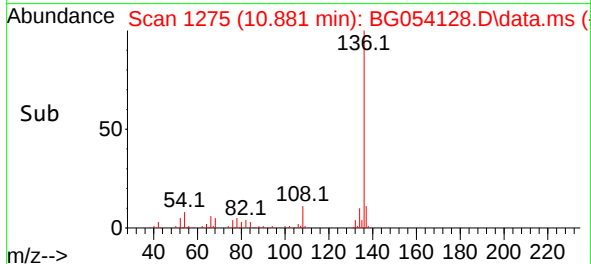
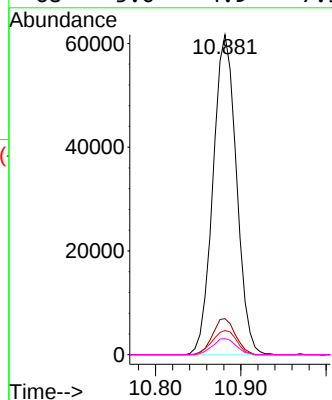
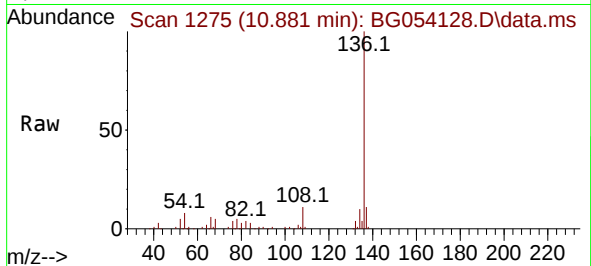




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.881 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

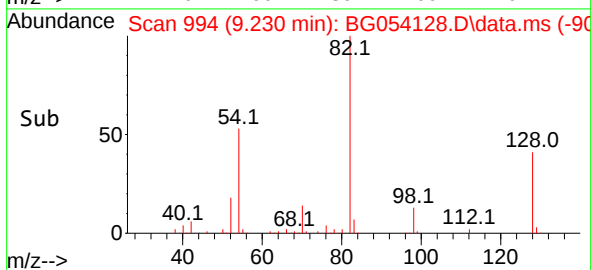
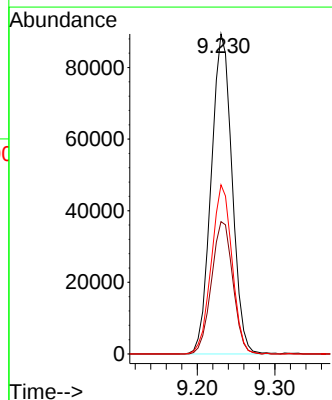
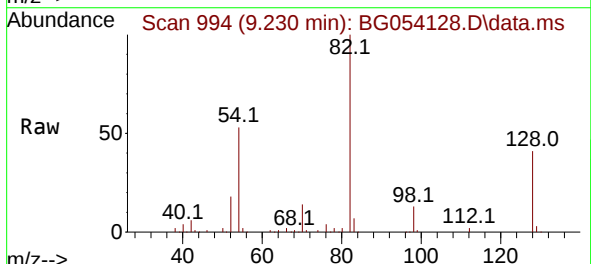
Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

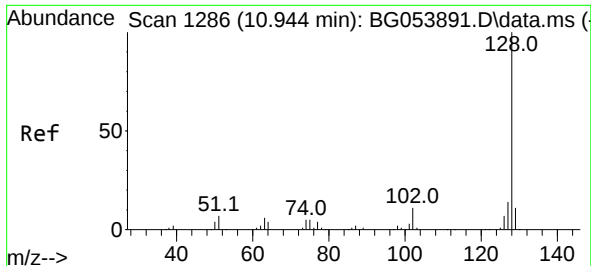
Tgt Ion:	136	Resp:	117490
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	7.6	7.4	11.2
68	5.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 79.978 ng
RT: 9.230 min Scan# 994
Delta R.T. -0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:	82	Resp:	167210
Ion Ratio	Lower	Upper	
82	100		
128	41.4	27.9	41.9
54	52.8	41.2	61.8

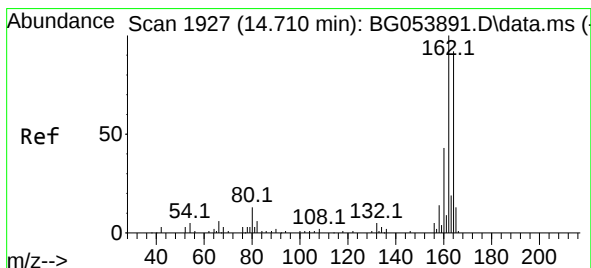
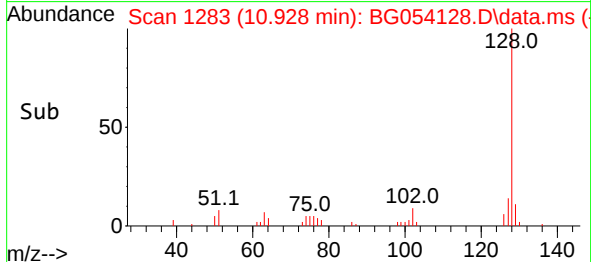
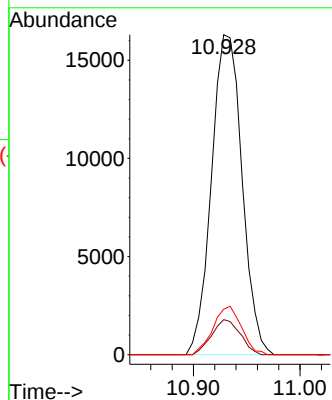
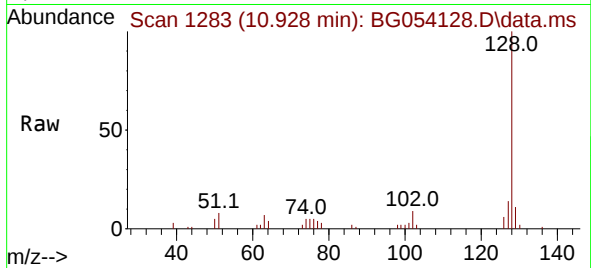




#31
Naphthalene
Concen: 5.467 ng
RT: 10.928 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

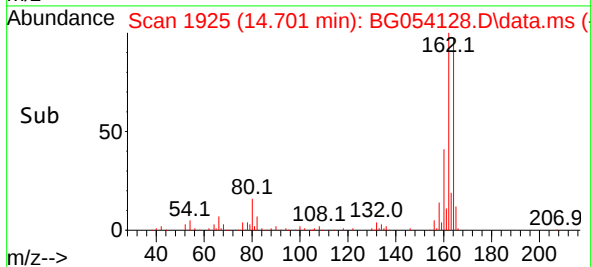
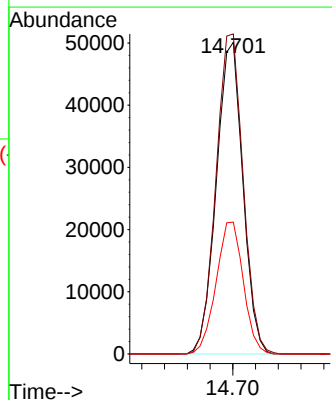
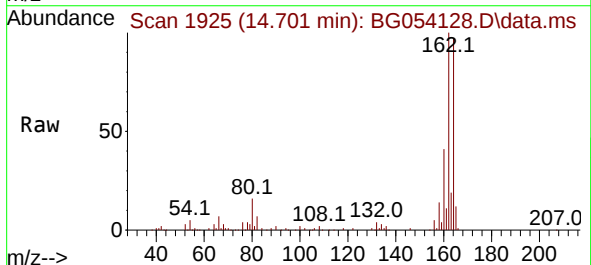
Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

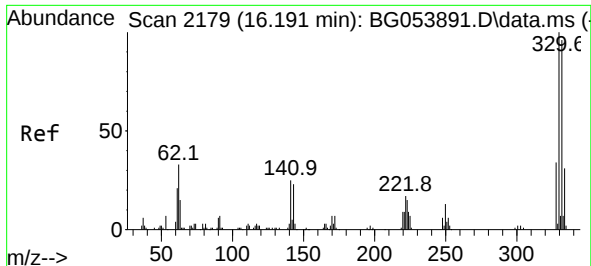
Tgt Ion:128 Resp: 32424
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 14.2 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.701 min Scan# 1925
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

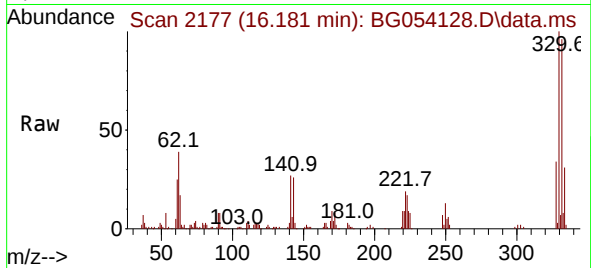
Tgt Ion:164 Resp: 81146
Ion Ratio Lower Upper
164 100
162 102.6 82.3 123.5
160 42.3 34.2 51.2



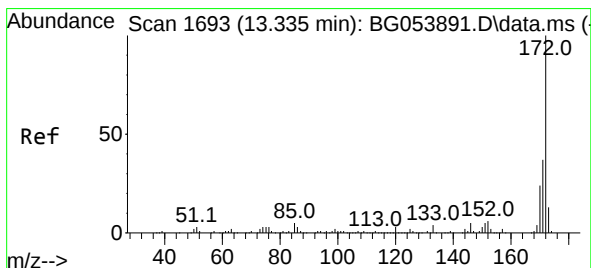
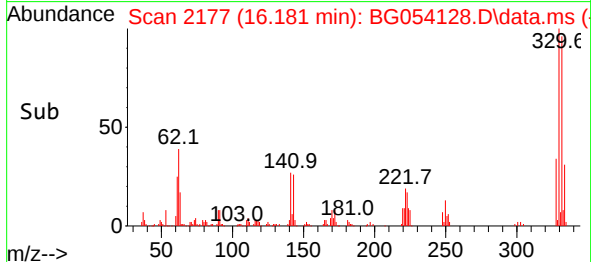
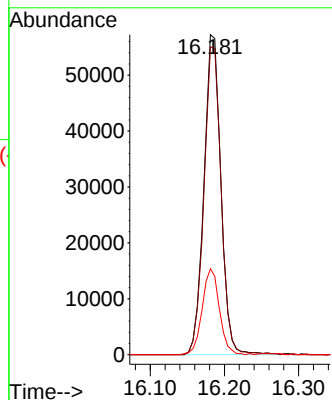


#42
2,4,6-Tribromophenol
Concen: 70.219 ng
RT: 16.181 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

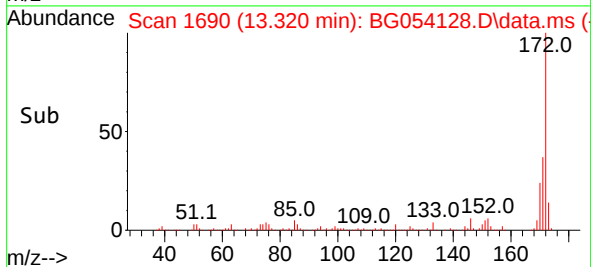
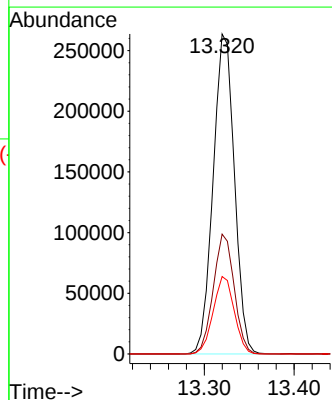
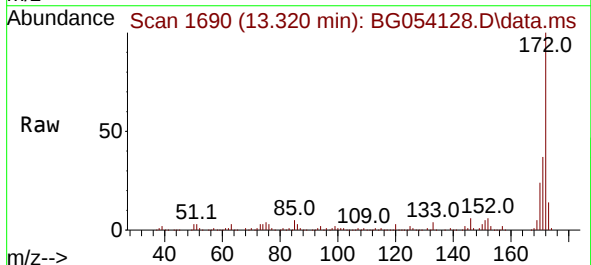


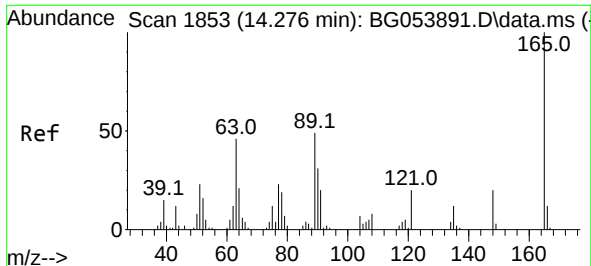
Tgt Ion:330 Resp: 91548
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 27.0 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 77.755 ng
RT: 13.320 min Scan# 1690
Delta R.T. -0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:172 Resp: 433903
Ion Ratio Lower Upper
172 100
171 37.5 28.5 42.7
170 24.2 18.9 28.3

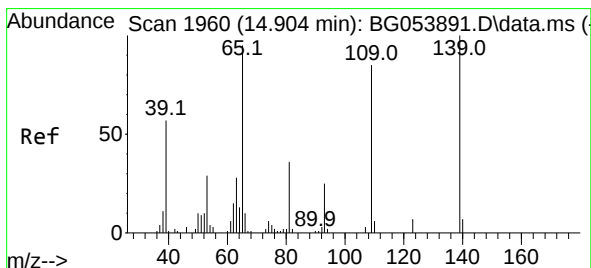
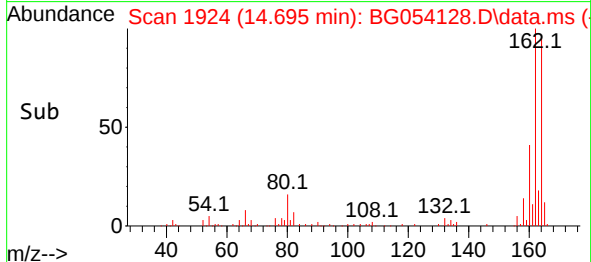
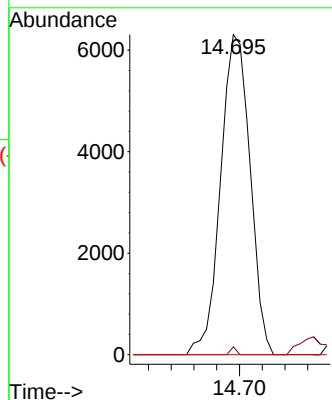
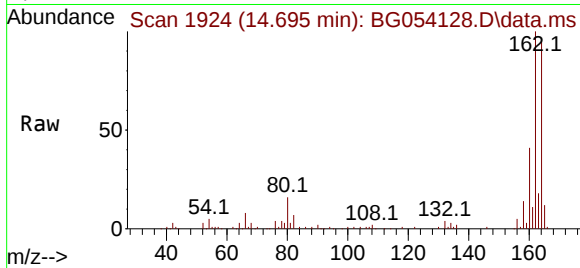




#51
2,6-Dinitrotoluene
Concen: 9.105 ng
RT: 14.695 min Scan# 1924
Delta R.T. 0.431 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

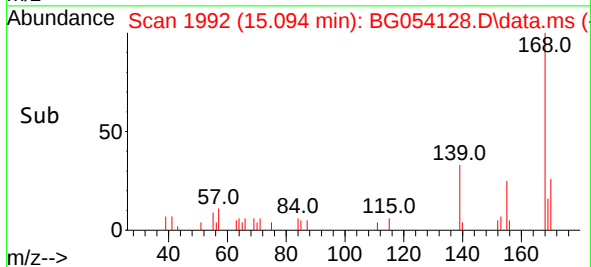
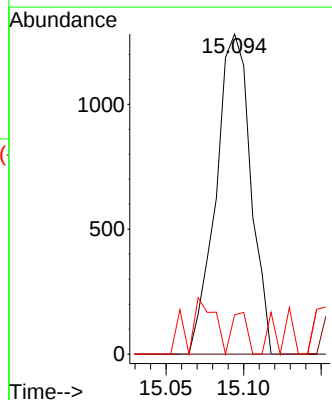
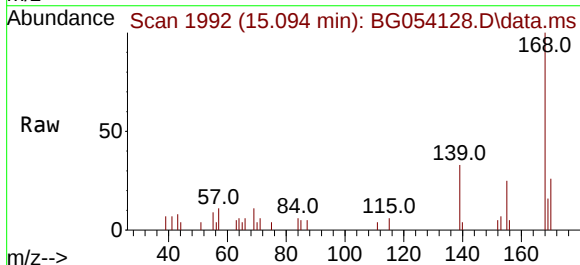
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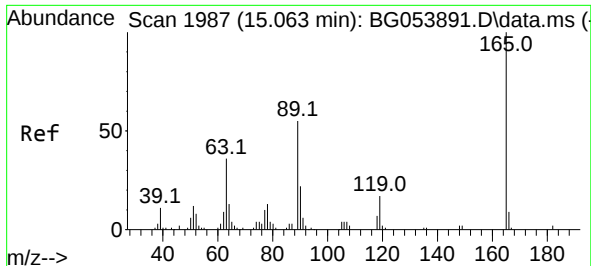
Tgt Ion:165 Resp: 11369
Ion Ratio Lower Upper
165 100
63 2.5 54.1 81.1#
89 0.0 54.8 82.2#



#56
4-Nitrophenol
Concen: 2.324 ng
RT: 15.094 min Scan# 1992
Delta R.T. 0.197 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:139 Resp: 1996
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 12.2 93.9 133.9#

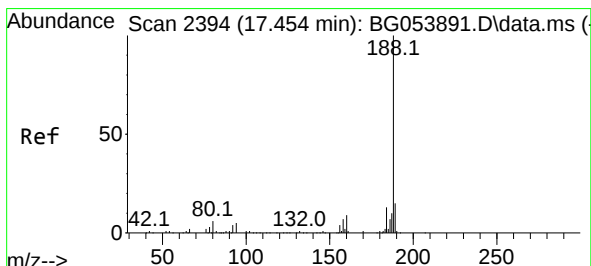
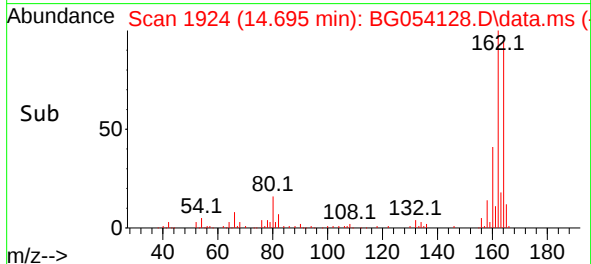
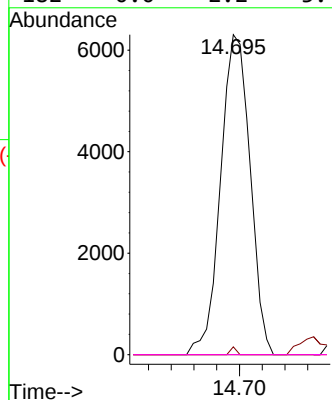
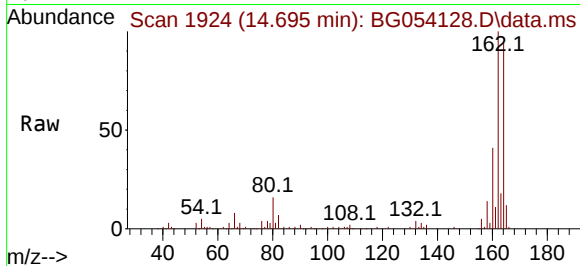




#57
2,4-Dinitrotoluene
Concen: 6.447 ng
RT: 14.695 min Scan# 1987
Delta R.T. -0.356 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

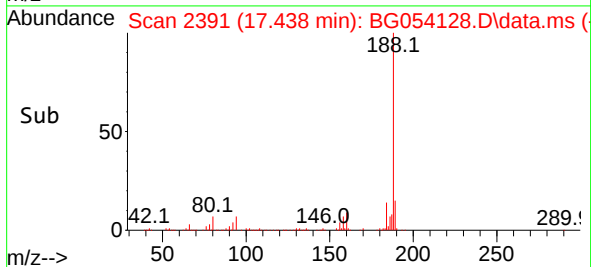
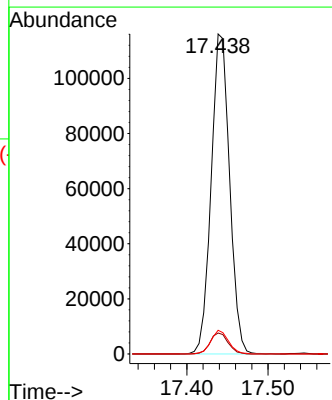
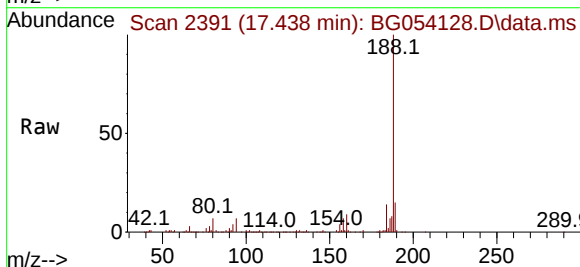
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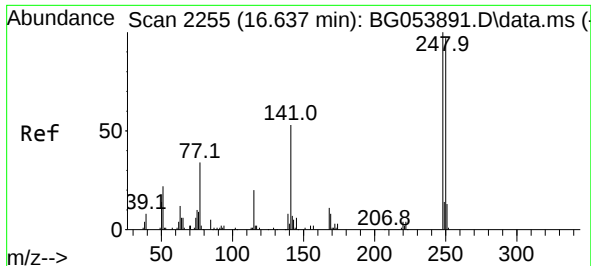
Tgt Ion:165 Resp: 11369
Ion Ratio Lower Upper
165 100
63 2.5 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.438 min Scan# 2391
Delta R.T. -0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:188 Resp: 182707
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 7.4 6.8 10.2

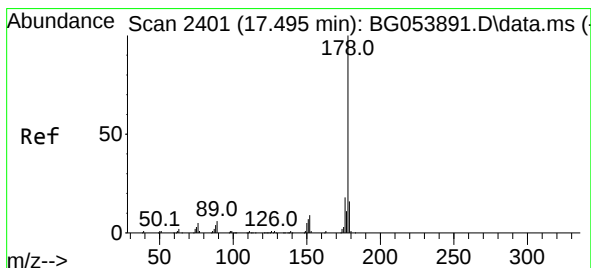
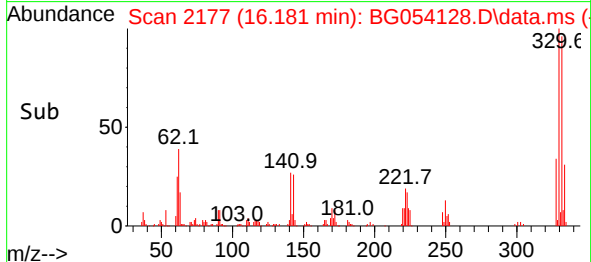
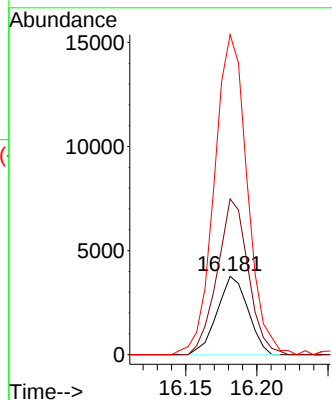
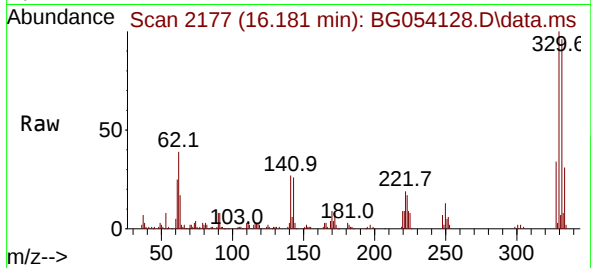




#67
4-Bromophenyl-phenylether
Concen: 2.497 ng
RT: 16.181 min Scan# 2177
Delta R.T. -0.444 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

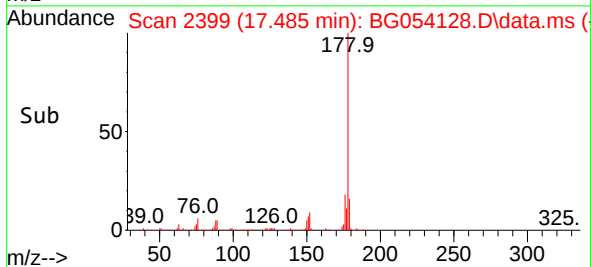
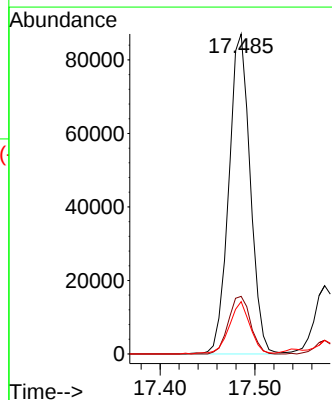
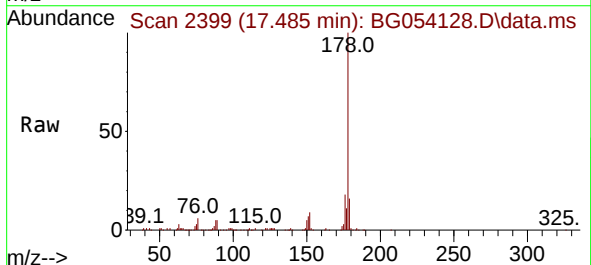
Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

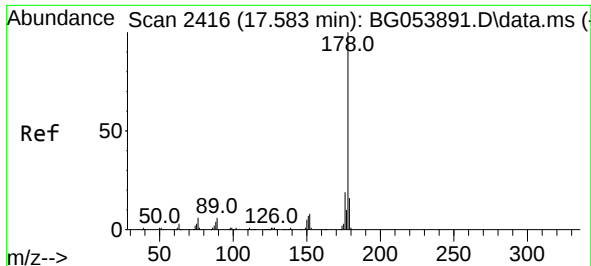
Tgt Ion:248 Resp: 5699
Ion Ratio Lower Upper
248 100
250 157.5 75.2 112.8#
141 323.3 50.0 75.0#



#71
Phenanthrene
Concen: 14.528 ng
RT: 17.485 min Scan# 2399
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:178 Resp: 136377
Ion Ratio Lower Upper
178 100
176 18.0 14.1 21.1
179 16.3 12.1 18.1

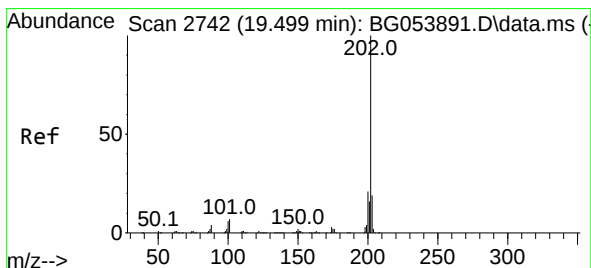
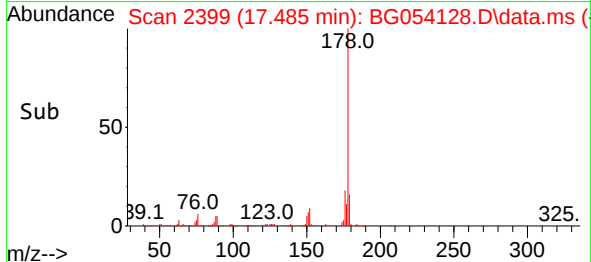
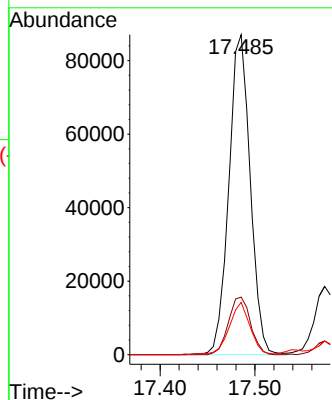
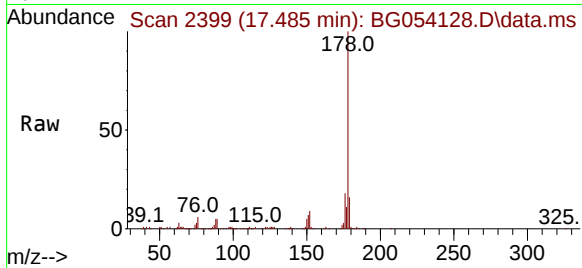




#72
 Anthracene
 Concen: 14.878 ng
 RT: 17.485 min Scan# 21
 Delta R.T. -0.091 min
 Lab File: BG054128.D
 Acq: 28 Jun 2022 22:07

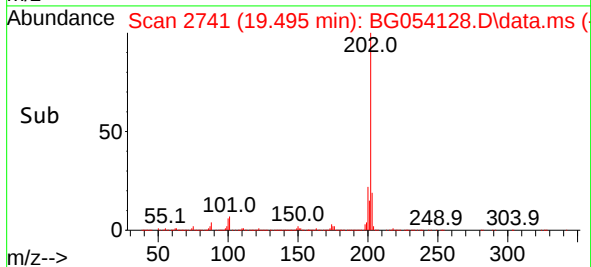
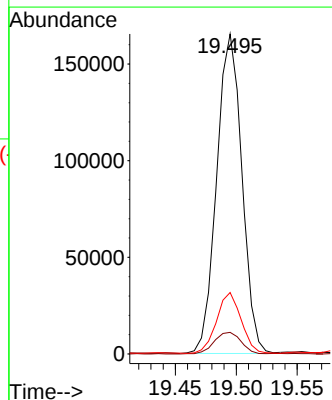
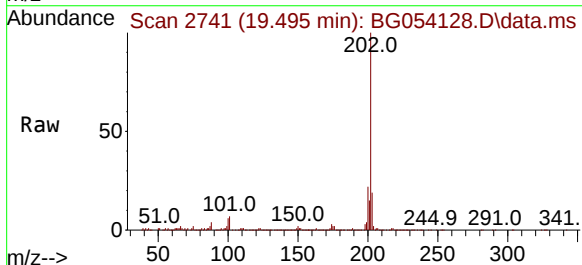
Instrument :
 BNA_G
 ClientSampleId :
 SB-9-8.5-10.5-20220623

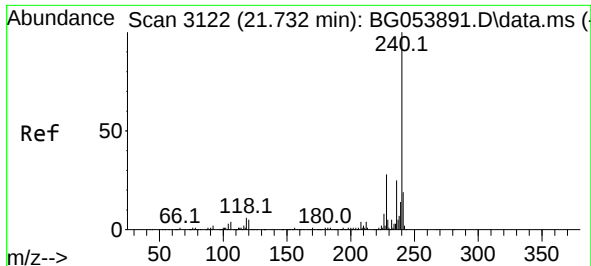
Tgt Ion:178 Resp: 136377
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.2 22.8
 179 16.3 13.0 19.4



#75
 Fluoranthene
 Concen: 19.342 ng
 RT: 19.495 min Scan# 2741
 Delta R.T. 0.003 min
 Lab File: BG054128.D
 Acq: 28 Jun 2022 22:07

Tgt Ion:202 Resp: 238342
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 26.9
 203 19.2 0.0 37.2

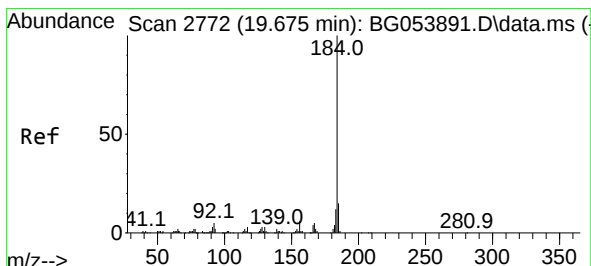
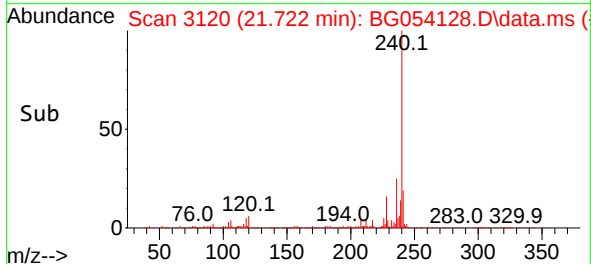
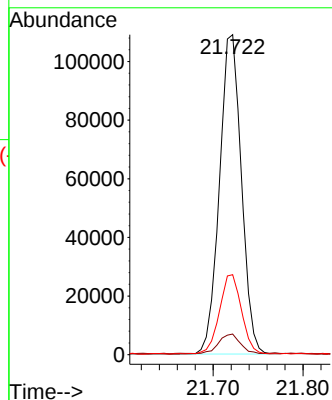
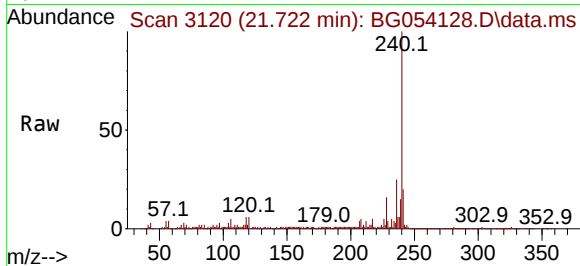




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

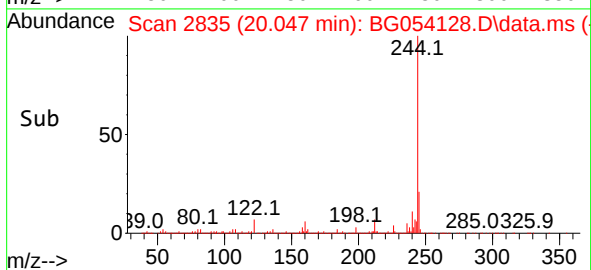
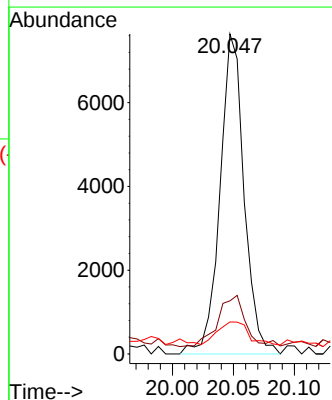
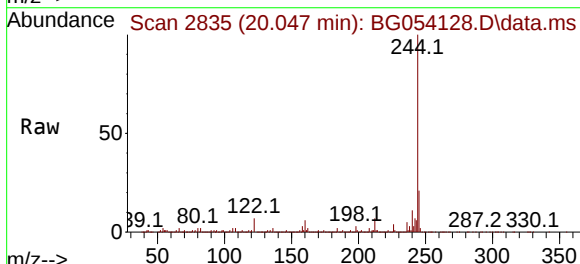
Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

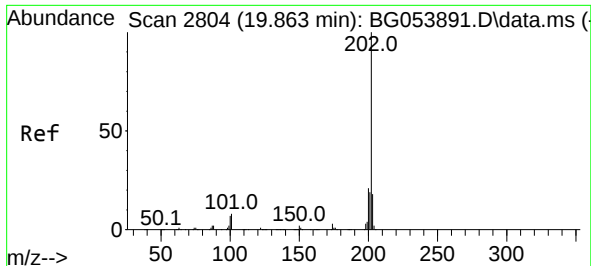
Tgt Ion:240 Resp: 184539
Ion Ratio Lower Upper
240 100
120 6.5 4.6 7.0
236 25.0 20.2 30.4



#77
Benzidine
Concen: 2.748 ng
RT: 20.047 min Scan# 2835
Delta R.T. 0.384 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:184 Resp: 10501
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.6
183 10.0 8.9 13.3

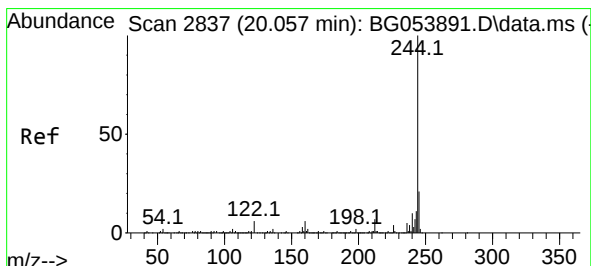
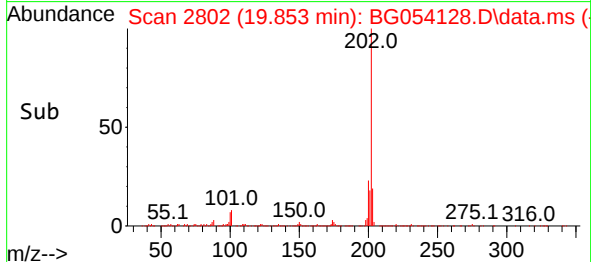
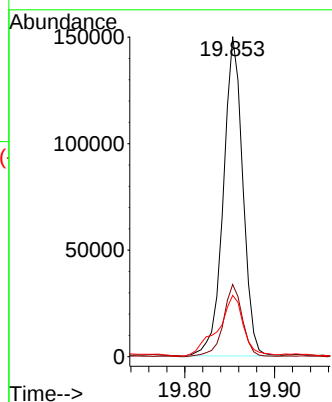
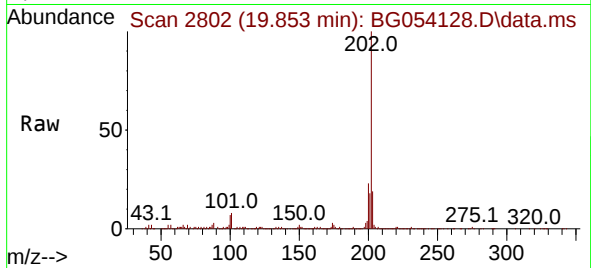




#78
Pyrene
Concen: 20.212 ng
RT: 19.853 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

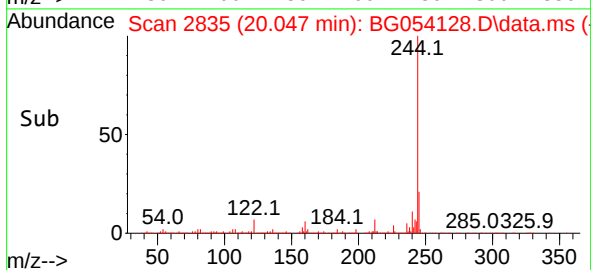
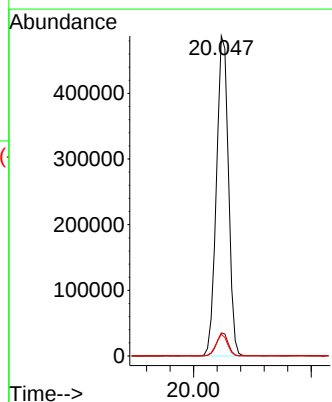
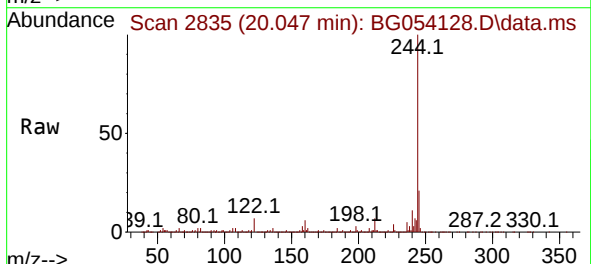
Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

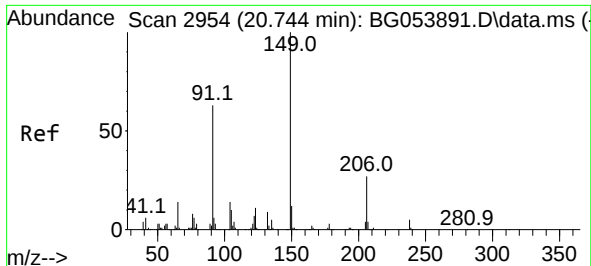
Tgt Ion:202 Resp: 225275
Ion Ratio Lower Upper
202 100
200 22.5 16.6 24.8
203 19.2 14.6 21.8



#79
Terphenyl-d14
Concen: 75.330 ng
RT: 20.047 min Scan# 2835
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:244 Resp: 690210
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 6.8 5.0 7.4

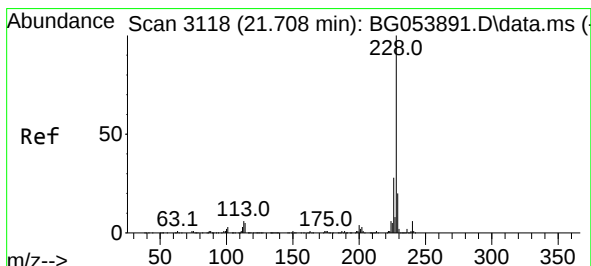
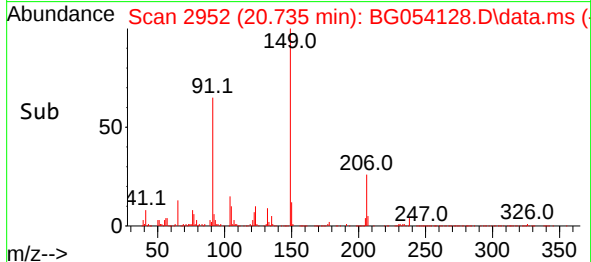
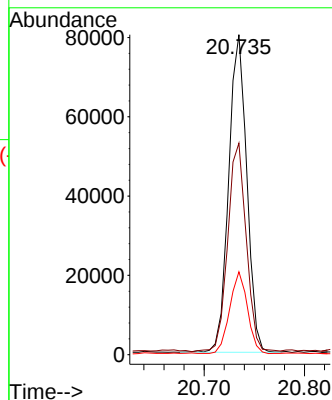
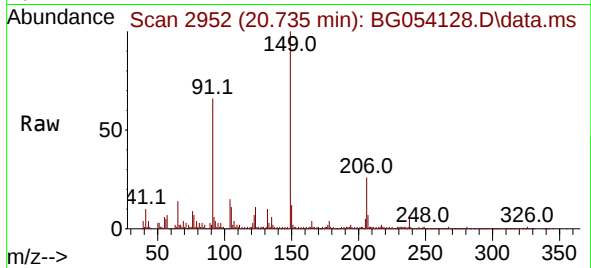




#80
Butylbenzylphthalate
Concen: 28.022 ng
RT: 20.735 min Scan# 2954
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

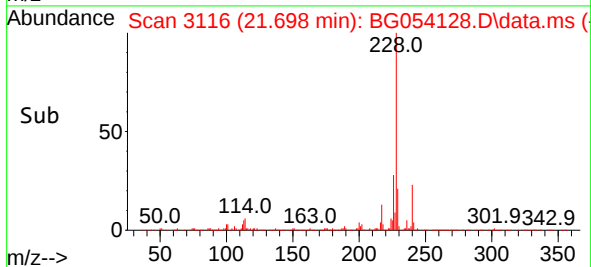
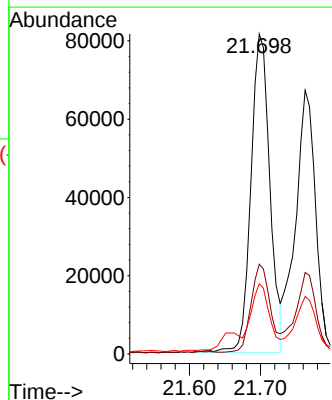
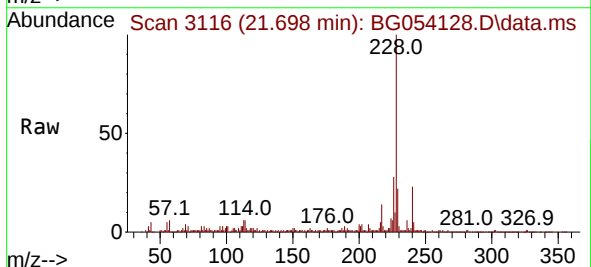
Instrument :
BNA_G
ClientSampleId :
SB-9-8.5-10.5-20220623

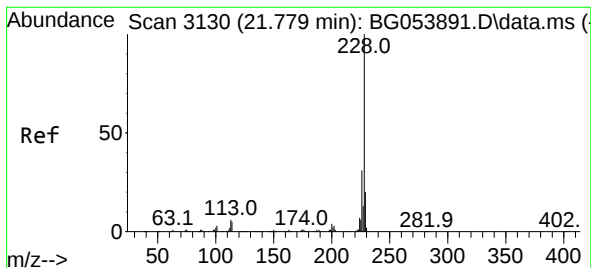
Tgt Ion:149 Resp: 100109
Ion Ratio Lower Upper
149 100
91 66.1 59.6 89.4
206 25.9 18.6 28.0



#81
Benzo(a)anthracene
Concen: 12.563 ng
RT: 21.698 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG054128.D
Acq: 28 Jun 2022 22:07

Tgt Ion:228 Resp: 150110
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 21.9 16.2 24.2





#83

Chrysene

Concen: 11.556 ng

RT: 21.763 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG054128.D

Acq: 28 Jun 2022 22:07

Instrument :

BNA_G

ClientSampleId :

SB-9-8.5-10.5-20220623

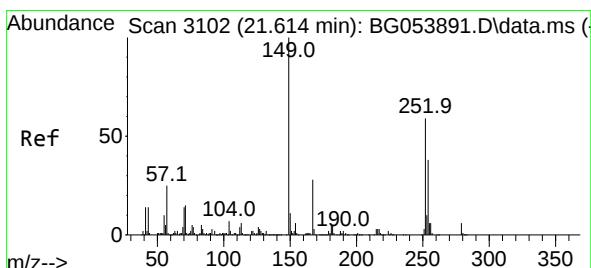
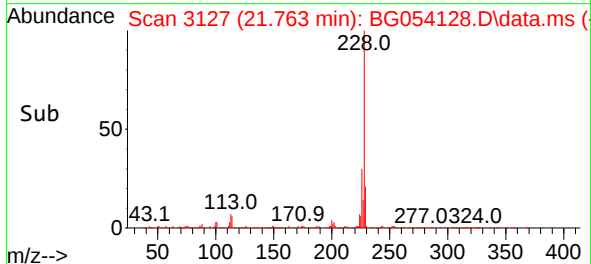
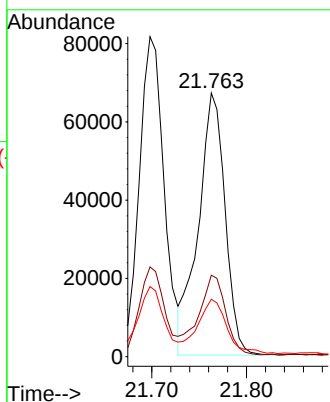
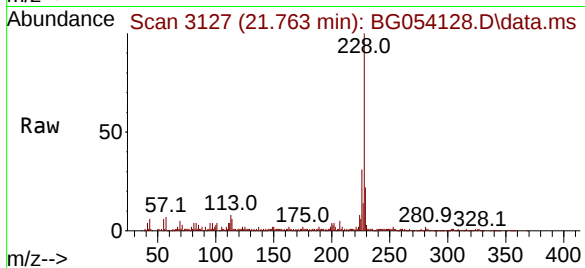
Tgt Ion:228 Resp: 131620

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

229 21.8 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.103 ng

RT: 21.598 min Scan# 3099

Delta R.T. -0.003 min

Lab File: BG054128.D

Acq: 28 Jun 2022 22:07

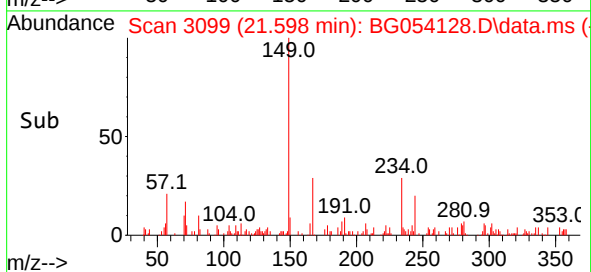
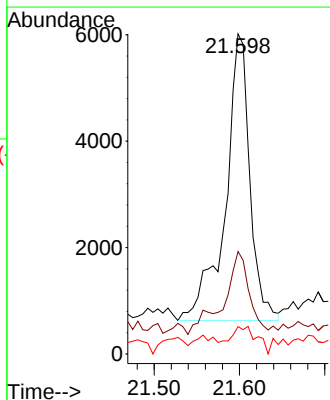
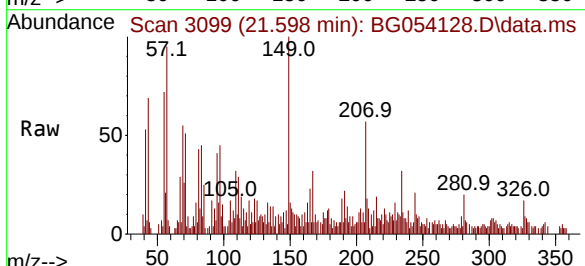
Tgt Ion:149 Resp: 10747

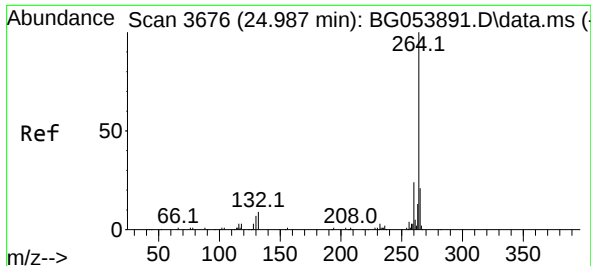
Ion Ratio Lower Upper

149 100

167 32.0 20.2 30.4#

279 8.6 3.6 5.4#

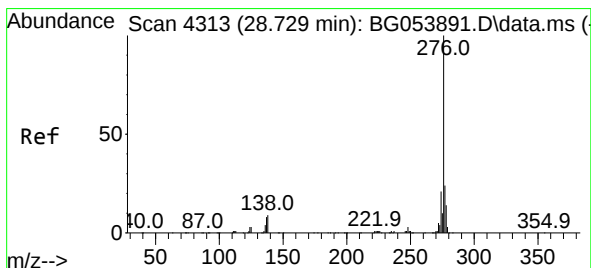
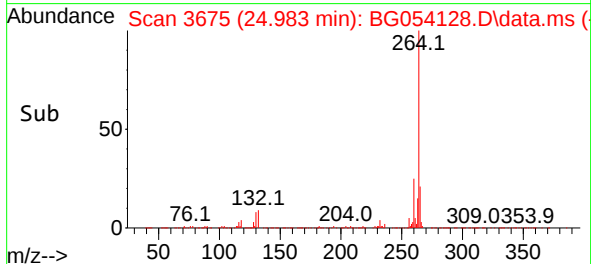
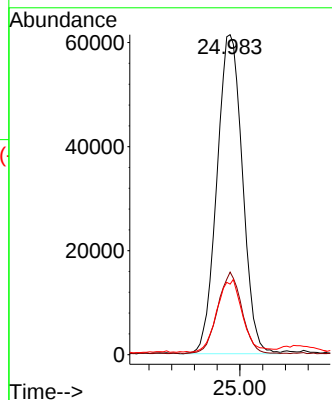
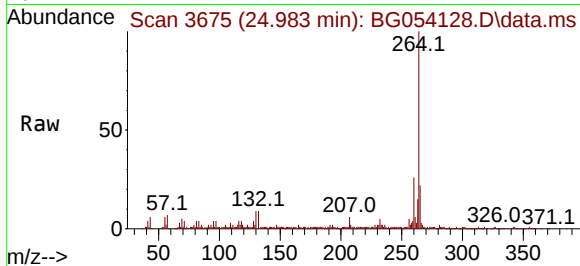




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.983 min Scan# 30
 Delta R.T. 0.020 min
 Lab File: BG054128.D
 Acq: 28 Jun 2022 22:07

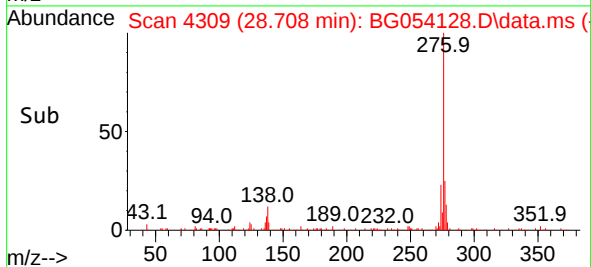
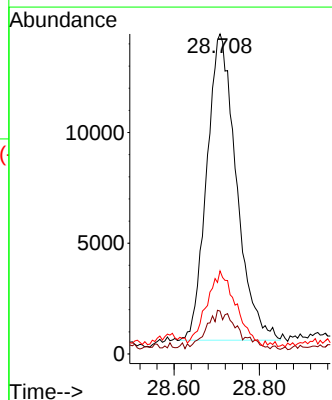
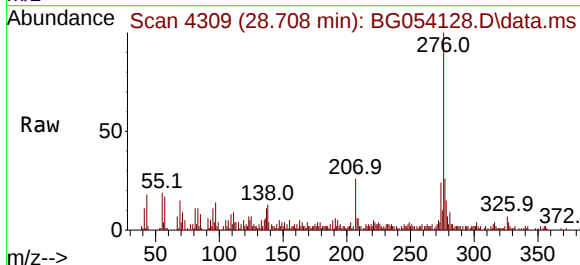
Instrument :
 BNA_G
 ClientSampleId :
 SB-9-8.5-10.5-20220623

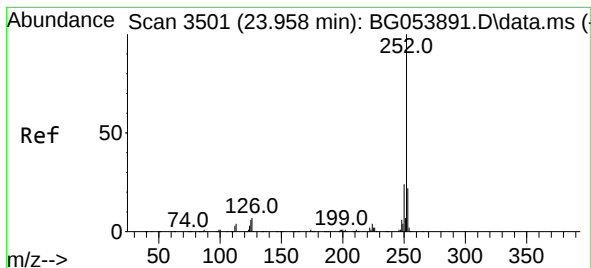
Tgt Ion:264 Resp: 191252
 Ion Ratio Lower Upper
 264 100
 260 25.8 19.0 28.6
 265 22.1 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.606 ng
 RT: 28.708 min Scan# 4309
 Delta R.T. 0.020 min
 Lab File: BG054128.D
 Acq: 28 Jun 2022 22:07

Tgt Ion:276 Resp: 66484
 Ion Ratio Lower Upper
 276 100
 138 6.0 5.0 7.4
 277 24.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 14.243 ng

RT: 23.948 min Scan# 3499

Delta R.T. 0.014 min

Lab File: BG054128.D

Acq: 28 Jun 2022 22:07

Instrument :

BNA_G

ClientSampleId :

SB-9-8.5-10.5-20220623

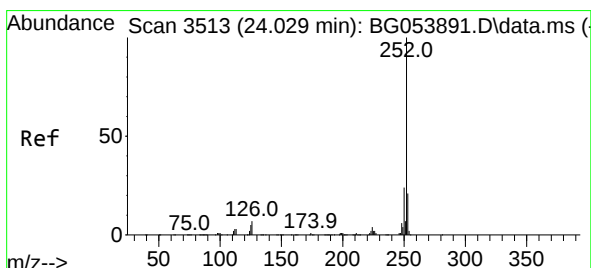
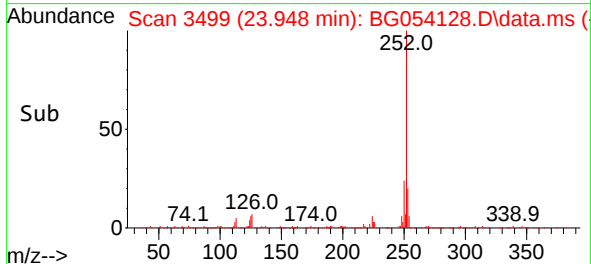
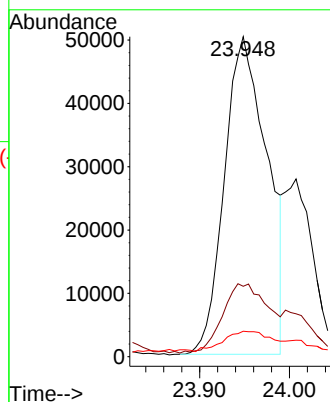
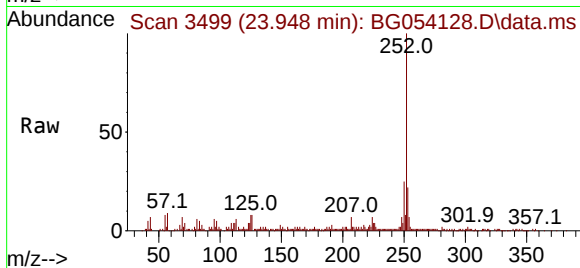
Tgt Ion:252 Resp: 165621

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

125 8.0 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 14.385 ng

RT: 23.948 min Scan# 3499

Delta R.T. -0.056 min

Lab File: BG054128.D

Acq: 28 Jun 2022 22:07

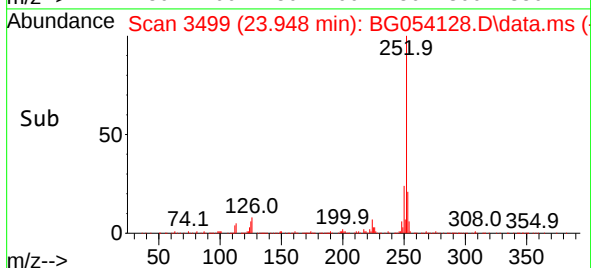
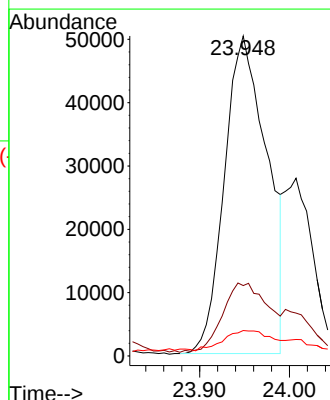
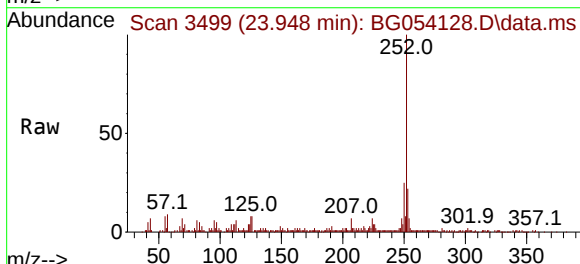
Tgt Ion:252 Resp: 165621

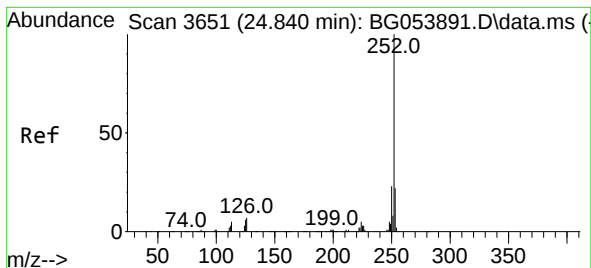
Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

125 8.0 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 11.570 ng

RT: 24.824 min Scan# 30

Delta R.T. 0.008 min

Lab File: BG054128.D

Acq: 28 Jun 2022 22:07

Instrument :

BNA_G

ClientSampleId :

SB-9-8.5-10.5-20220623

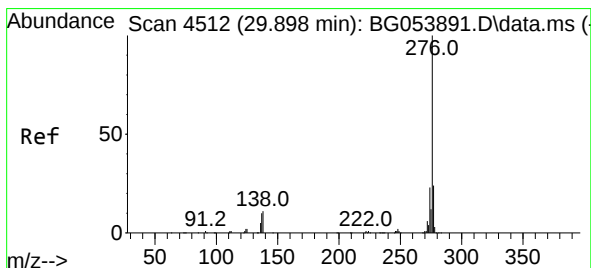
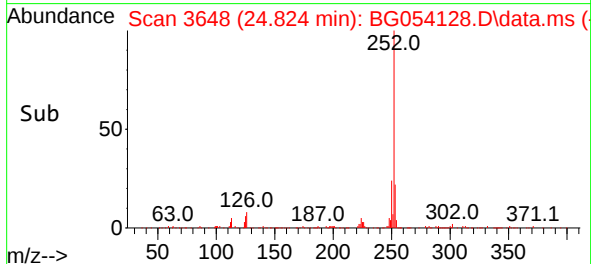
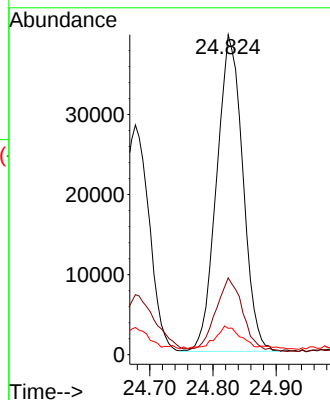
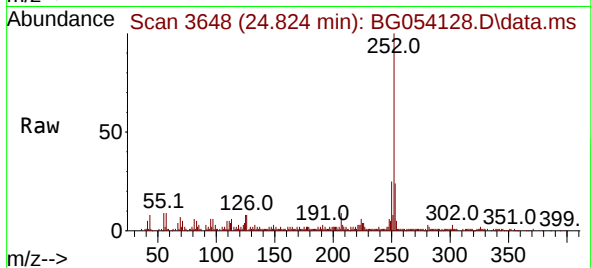
Tgt Ion:252 Resp: 113522

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 8.3 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 5.111 ng

RT: 29.865 min Scan# 4506

Delta R.T. 0.003 min

Lab File: BG054128.D

Acq: 28 Jun 2022 22:07

Tgt Ion:276 Resp: 60199

Ion Ratio Lower Upper

276 100

277 22.4 17.3 25.9

138 20.4 9.6 14.4#

