

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054500.D
 Acq On : 3 Aug 2022 15:18
 Operator : CG/JU
 Sample : N3935-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-145

Quant Time: Aug 04 00:43:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

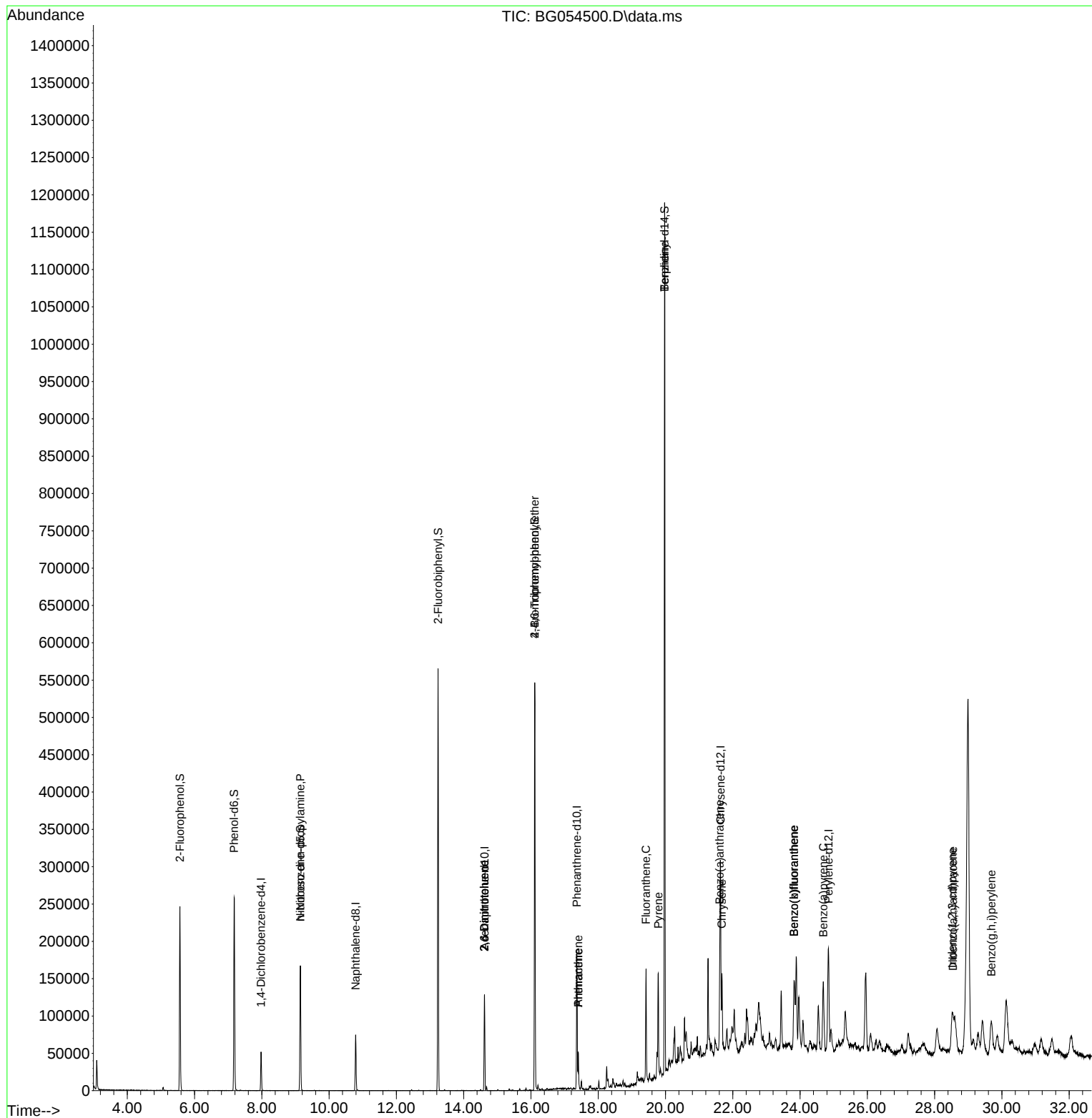
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	16630	20.000	ng	-0.01
21) Naphthalene-d8	10.790	136	65989	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	52355	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	130683	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	146264	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	153864	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	112313	141.008	ng	0.00
7) Phenol-d6	7.177	99	153718	140.845	ng	0.00
23) Nitrobenzene-d5	9.145	82	103697	85.575	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	148729	135.299	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	328703	88.568	ng	0.00
79) Terphenyl-d14	19.974	244	683332	92.681	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.177	77	225	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.145	70	14762	20.255	ng	# 83
51) 2,6-Dinitrotoluene	14.615	165	7400	8.250	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	7400	5.755	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	9017	4.913	ng	# 1
71) Phenanthrene	17.406	178	36676	5.636	ng	99
72) Anthracene	17.406	178	36676	5.743	ng	98
75) Fluoranthene	19.421	202	102250	11.526	ng	95
77) Benzidine	19.974	184	9123	3.444	ng	# 93
78) Pyrene	19.786	202	103478	12.330	ng	99
81) Benzo(a)anthracene	21.613	228	75328	8.113	ng	99
83) Chrysene	21.678	228	77380	8.821	ng	97
87) Indeno(1,2,3-cd)pyrene	28.523	276	94250	8.052	ng	# 98
88) Benzo(b)fluoranthene	23.822	252	137528	15.114	ng	97
89) Benzo(k)fluoranthene	23.822	252	137528	15.187	ng	# 97
90) Benzo(a)pyrene	24.692	252	113900	14.657	ng	99
91) Dibenzo(a,h)anthracene	28.552	278	22932	2.383	ng	96
92) Benzo(g,h,i)perylene	29.686	276	100783	10.609	ng	94

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

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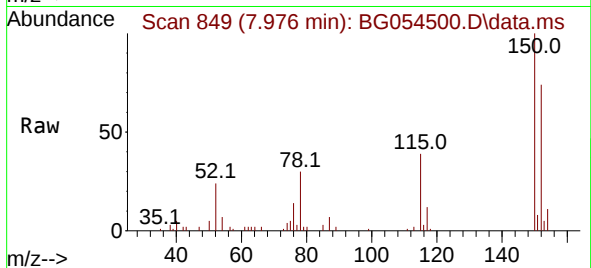
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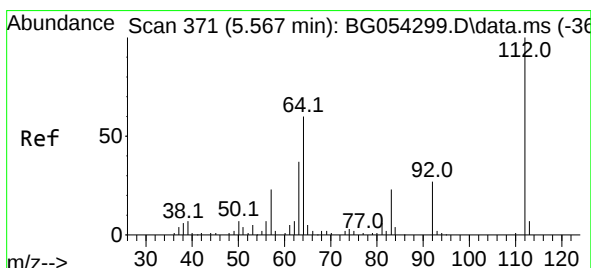
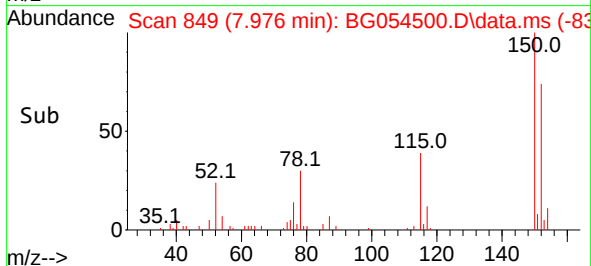
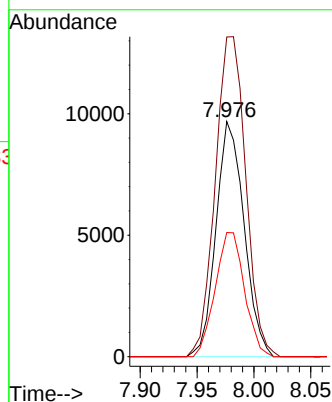


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Instrument :
BNA_G
ClientSampleId :
RVE-145

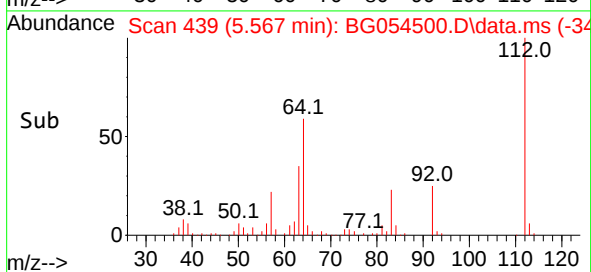
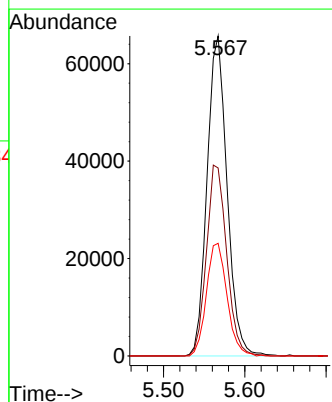
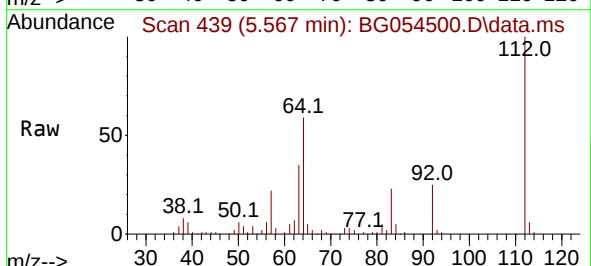


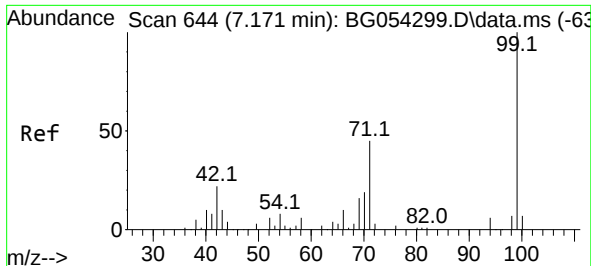
Tgt Ion:152 Resp: 16630
Ion Ratio Lower Upper
152 100
150 136.0 131.6 197.4
115 52.8 50.9 76.3



#5
2-Fluorophenol
Concen: 141.008 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:112 Resp: 112313
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 35.2 30.4 45.6

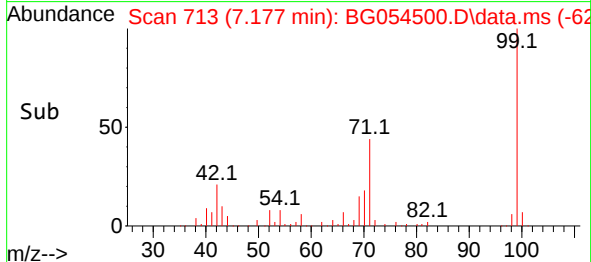
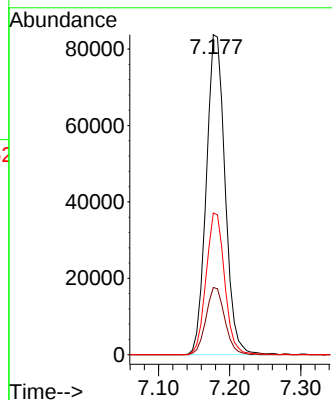
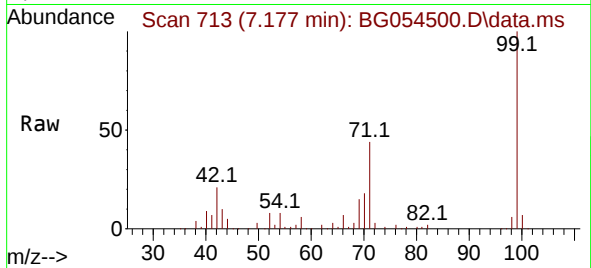




#7
Phenol-d6
Concen: 140.845 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

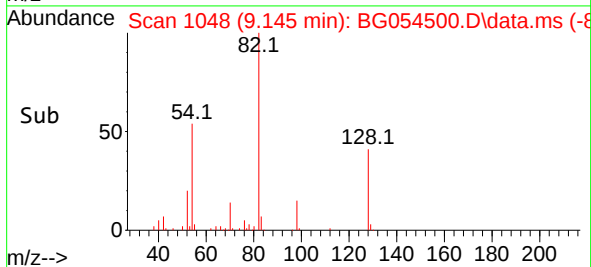
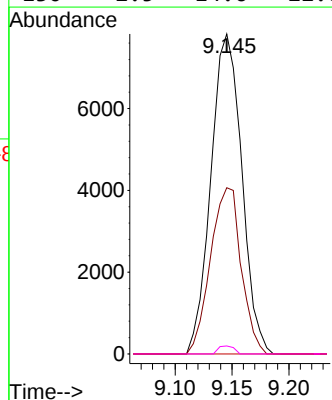
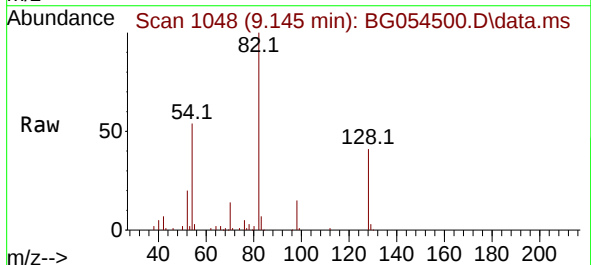
Instrument :
BNA_G
ClientSampleId :
RVE-145

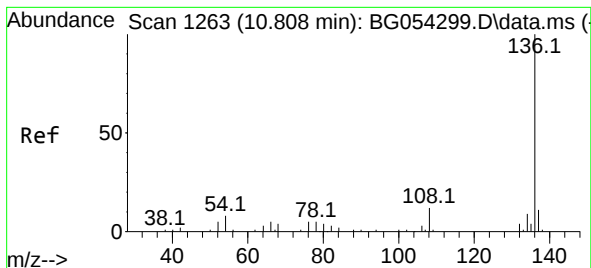
Tgt Ion: 99 Resp: 153718
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 44.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.255 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.352 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion: 70 Resp: 14762
Ion Ratio Lower Upper
70 100
42 51.9 47.3 70.9
101 0.0 7.0 10.4#
130 2.5 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.790 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG054500.D

Acq: 3 Aug 2022 15:18

Instrument :

BNA_G

ClientSampleId :

RVE-145

Tgt Ion:136 Resp: 65989

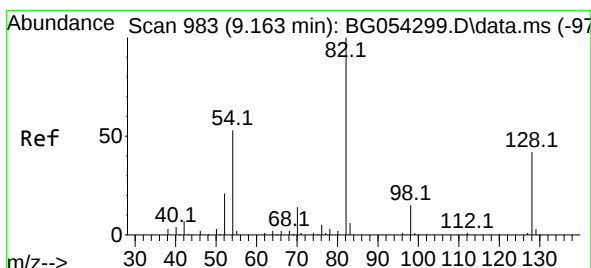
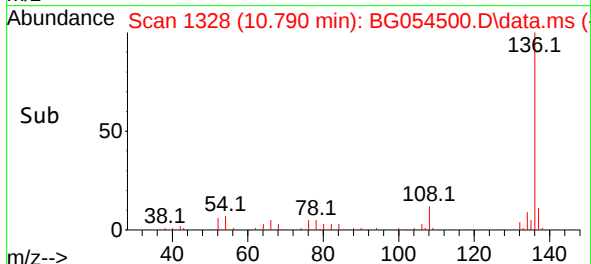
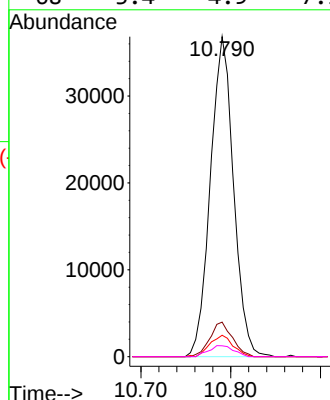
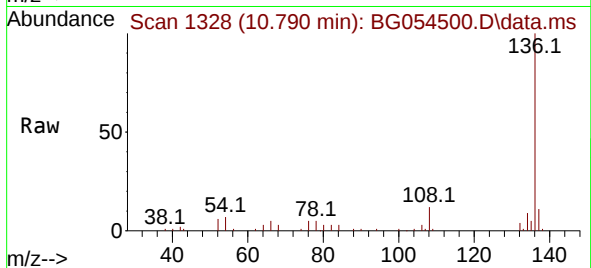
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.7 7.4 11.2#

68 3.4 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 85.575 ng

RT: 9.145 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BG054500.D

Acq: 3 Aug 2022 15:18

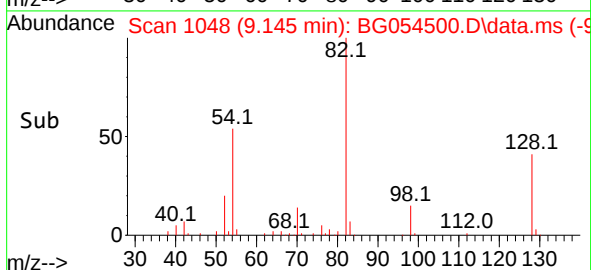
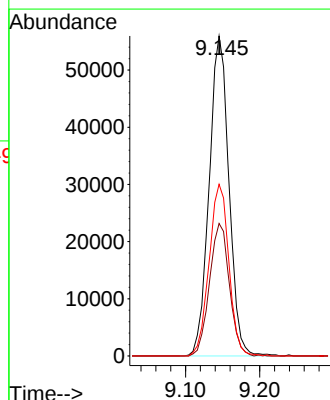
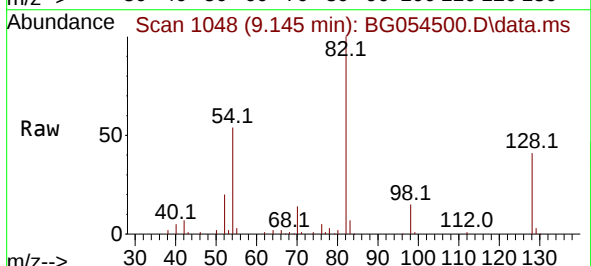
Tgt Ion: 82 Resp: 103697

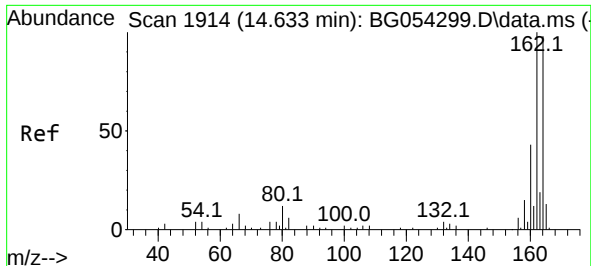
Ion Ratio Lower Upper

82 100

128 41.4 27.9 41.9

54 53.7 41.2 61.8

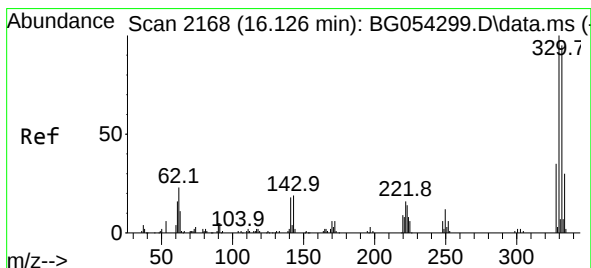
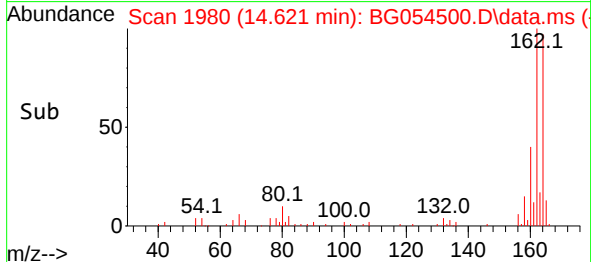
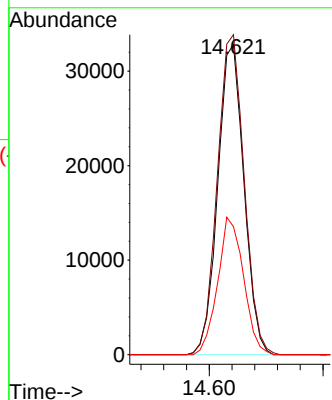
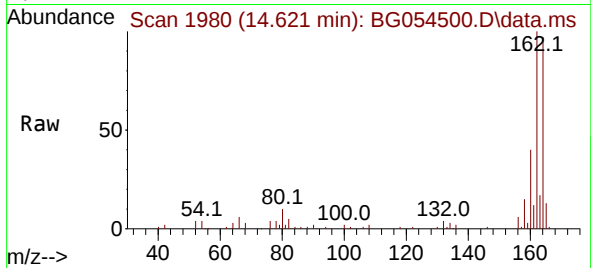




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

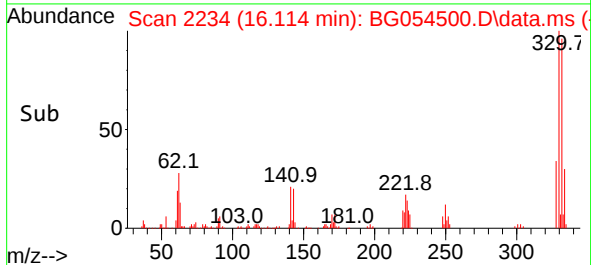
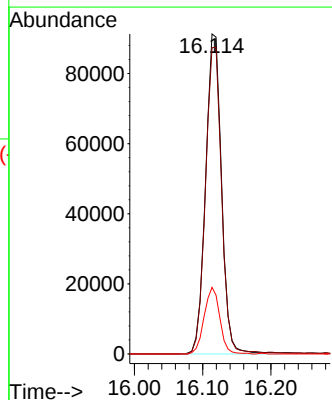
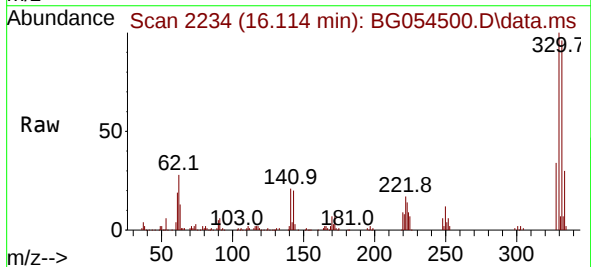
Instrument :
BNA_G
ClientSampleId :
RVE-145

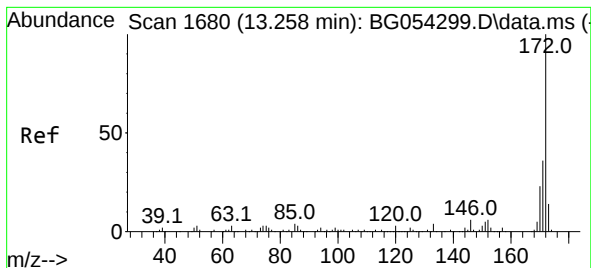
Tgt Ion:164 Resp: 52355
Ion Ratio Lower Upper
164 100
162 103.1 82.3 123.5
160 41.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 135.299 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:330 Resp: 148729
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 20.3 27.1 40.7#

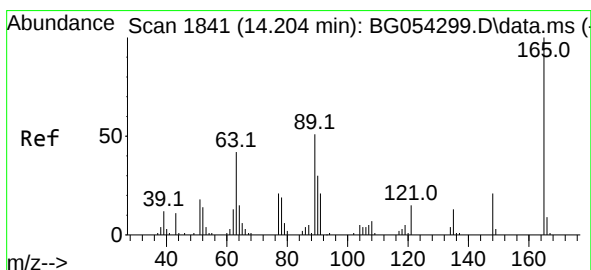
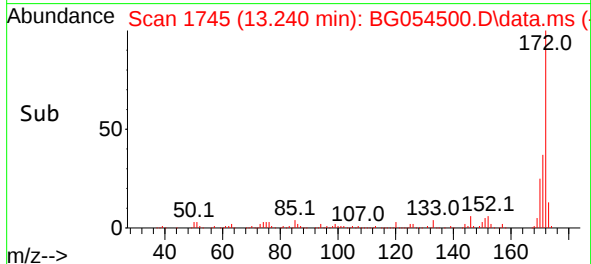
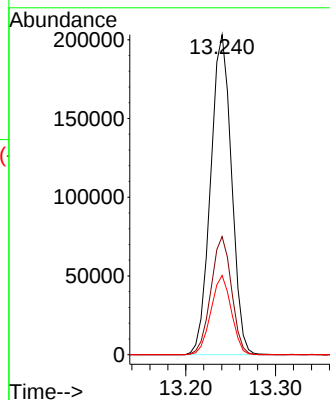
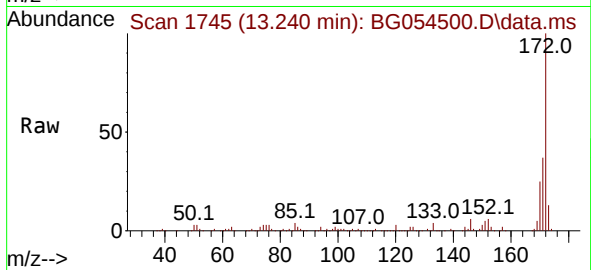




#45
2-Fluorobiphenyl
Concen: 88.568 ng
RT: 13.240 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

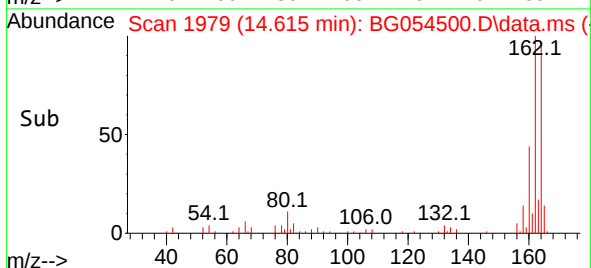
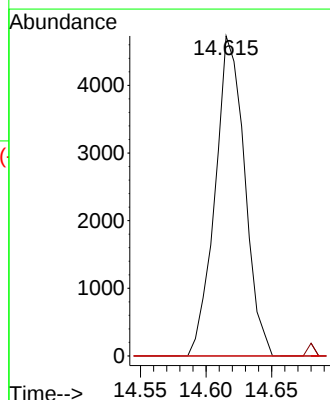
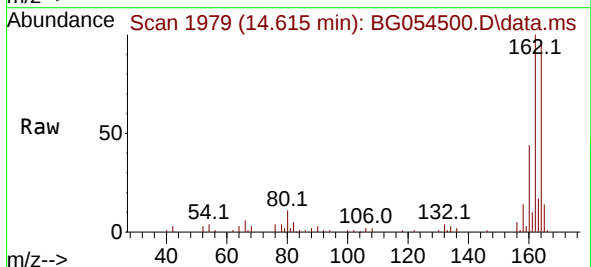
Instrument :
BNA_G
ClientSampleId :
RVE-145

Tgt Ion:172 Resp: 328703
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.250 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.417 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:165 Resp: 7400
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.755 ng

RT: 14.615 min Scan# 14

Delta R.T. -0.377 min

Lab File: BG054500.D

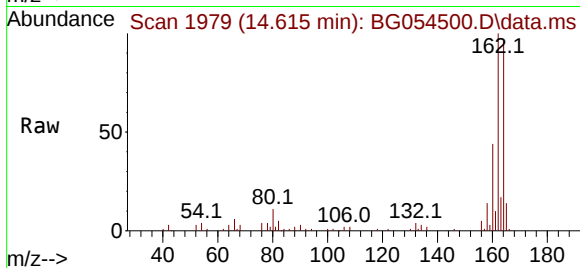
Acq: 3 Aug 2022 15:18

Instrument :

BNA_G

ClientSampleId :

RVE-145



Tgt Ion:165 Resp: 7400

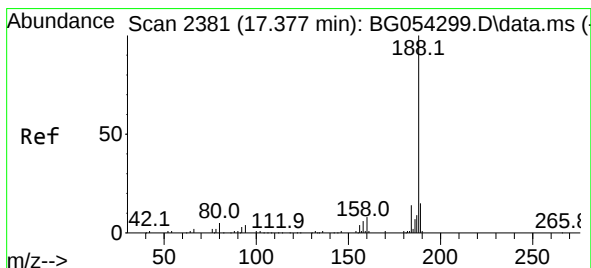
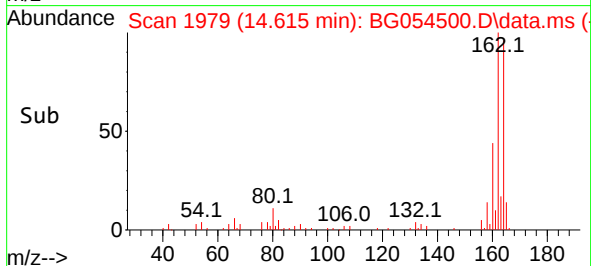
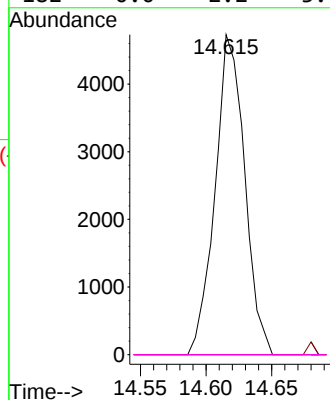
Ion Ratio Lower Upper

165 100

63 0.0 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: 17.365 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BG054500.D

Acq: 3 Aug 2022 15:18

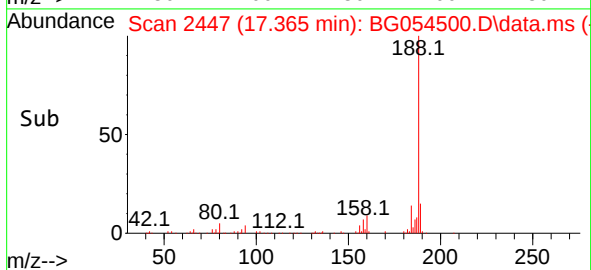
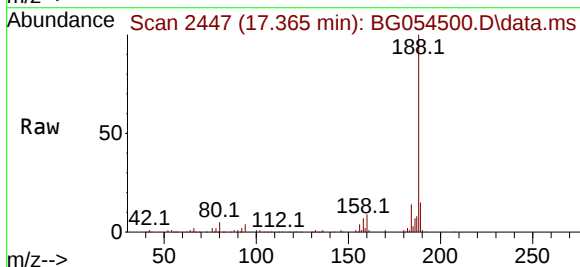
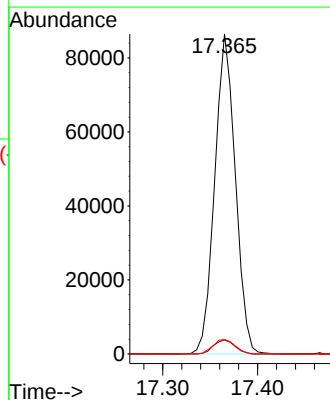
Tgt Ion:188 Resp: 130683

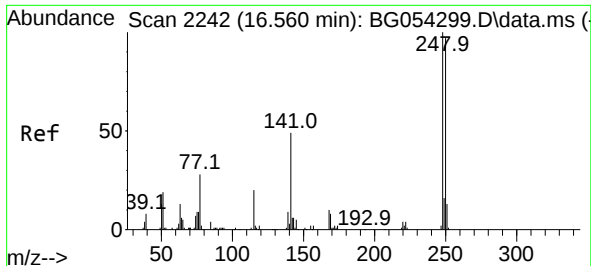
Ion Ratio Lower Upper

188 100

94 4.4 5.4 8.0#

80 4.5 6.8 10.2#

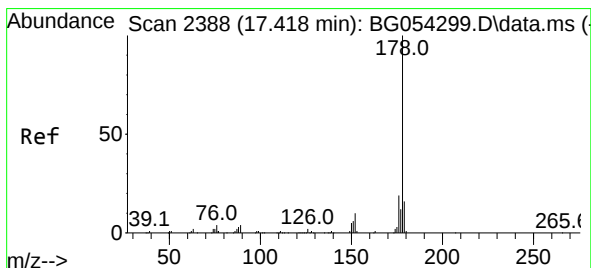
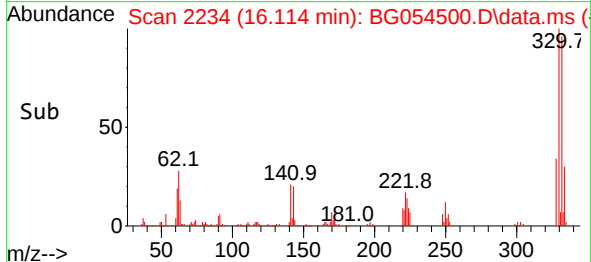
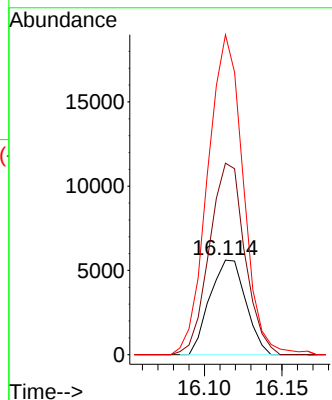
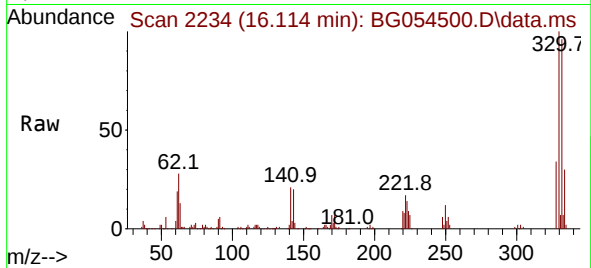




#67
4-Bromophenyl-phenylether
Concen: 4.913 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

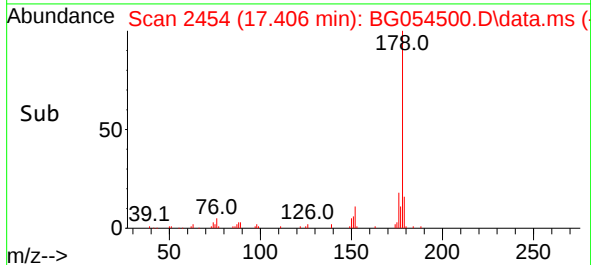
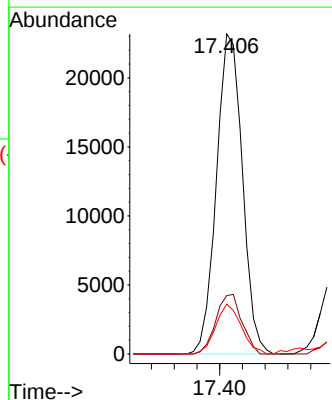
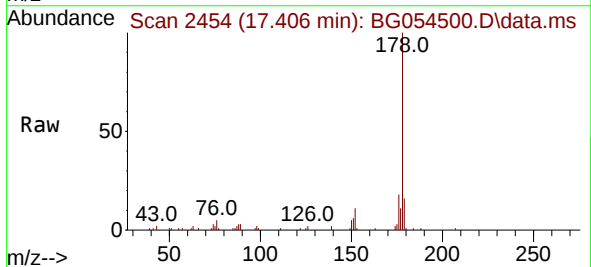
Instrument :
BNA_G
ClientSampleId :
RVE-145

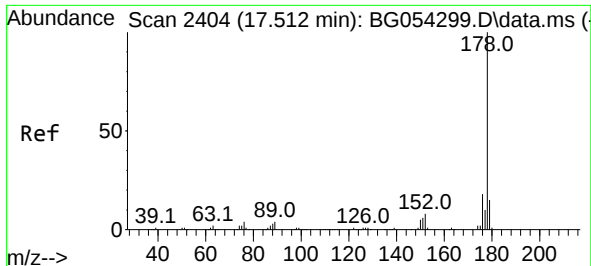
Tgt Ion:248 Resp: 9017
Ion Ratio Lower Upper
248 100
250 202.5 75.2 112.8#
141 338.2 50.0 75.0#



#71
Phenanthrene
Concen: 5.636 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:178 Resp: 36676
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 15.6 12.1 18.1

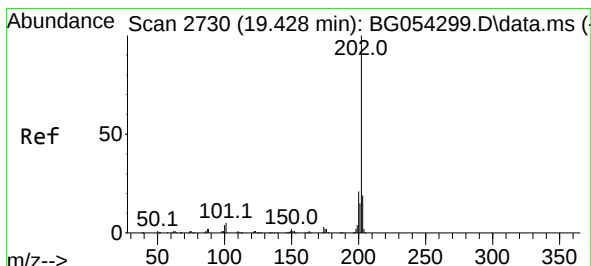
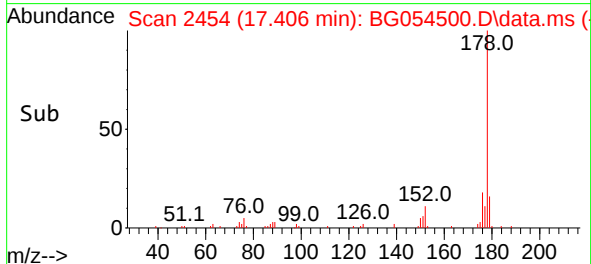
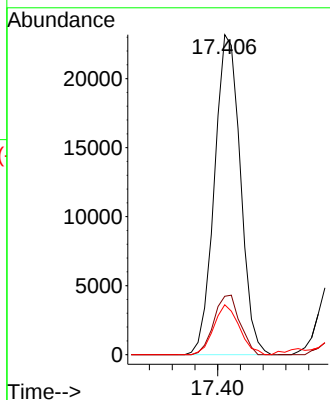
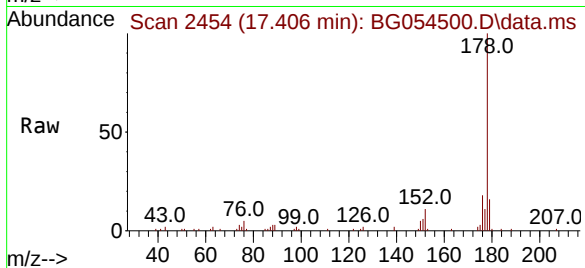




#72
 Anthracene
 Concen: 5.743 ng
 RT: 17.406 min Scan# 2404
 Delta R.T. -0.095 min
 Lab File: BG054500.D
 Acq: 3 Aug 2022 15:18

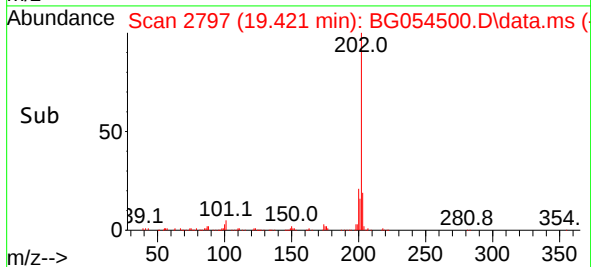
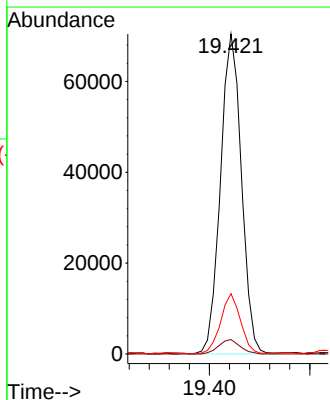
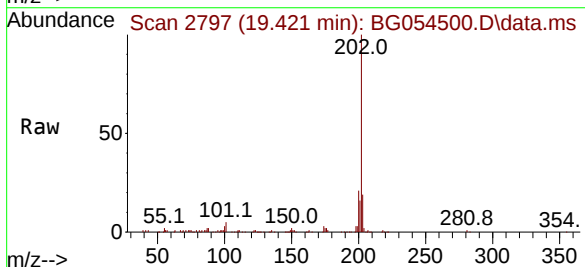
Instrument :
 BNA_G
 ClientSampleId :
 RVE-145

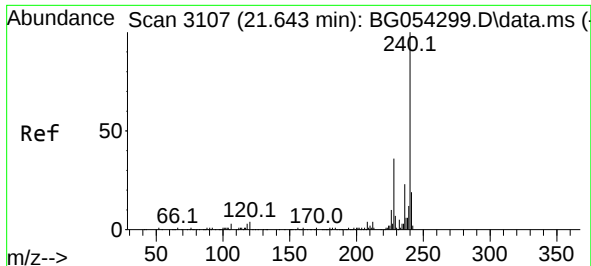
Tgt Ion:178 Resp: 36676
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.2 22.8
 179 15.6 13.0 19.4



#75
 Fluoranthene
 Concen: 11.526 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.001 min
 Lab File: BG054500.D
 Acq: 3 Aug 2022 15:18

Tgt Ion:202 Resp: 102250
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 18.8 0.0 37.2

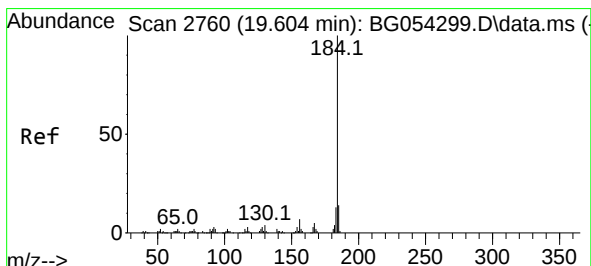
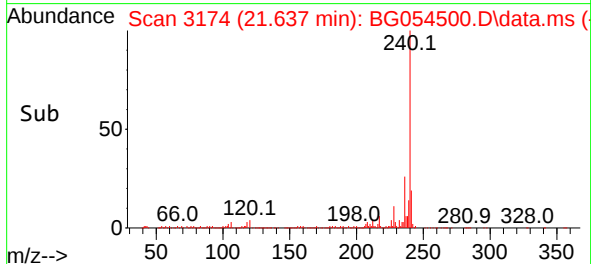
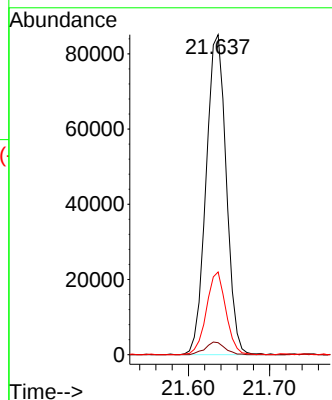
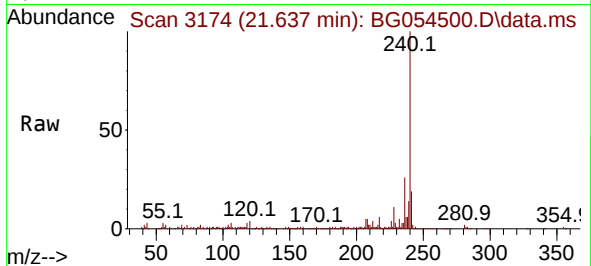




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3107
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

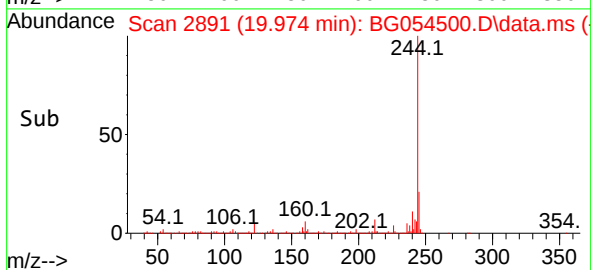
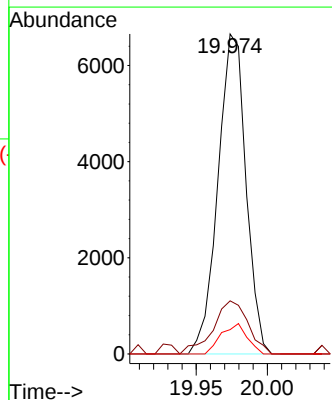
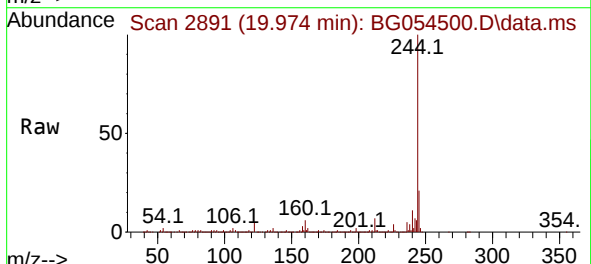
Instrument :
BNA_G
ClientSampleId :
RVE-145

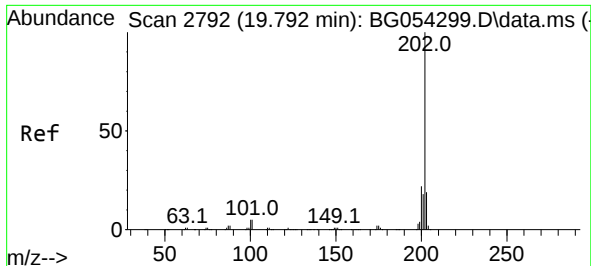
Tgt Ion:240 Resp: 146264
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.8 20.2 30.4



#77
Benzidine
Concen: 3.444 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.375 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:184 Resp: 9123
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.6
183 7.6 8.9 13.3#

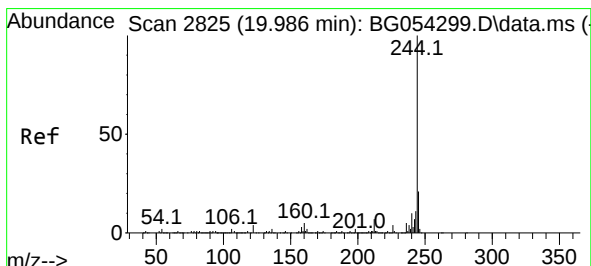
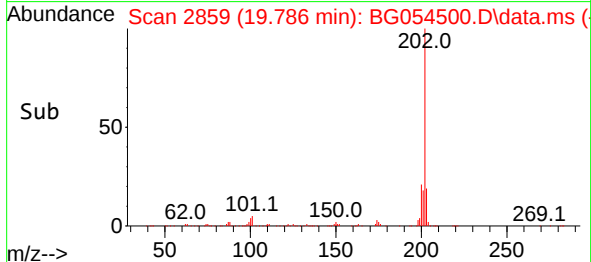
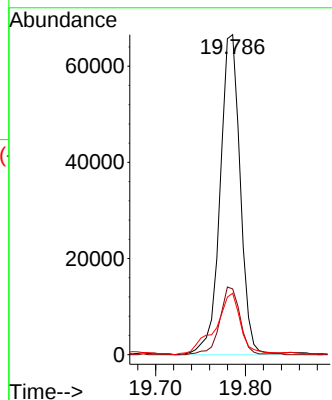
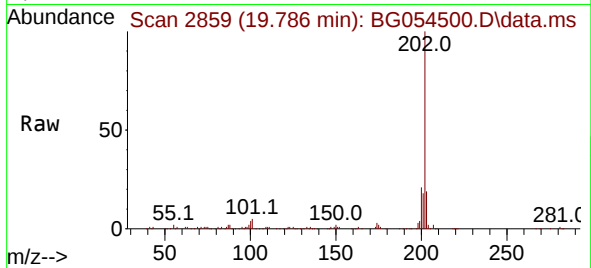




#78
Pyrene
Concen: 12.330 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

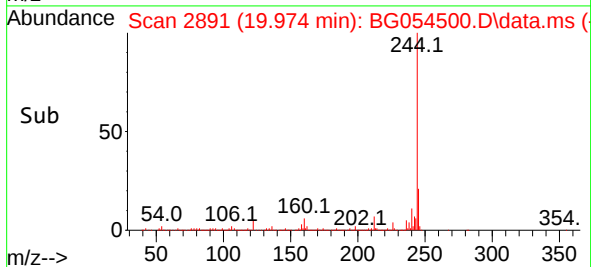
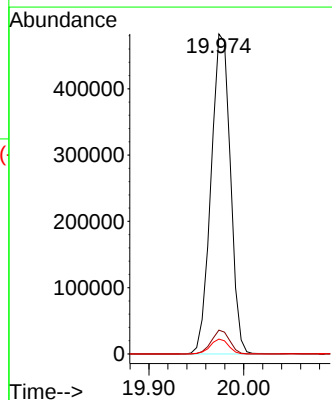
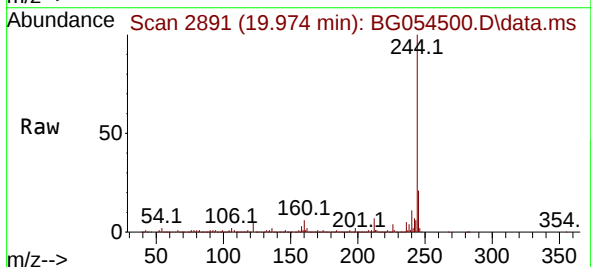
Instrument :
BNA_G
ClientSampleId :
RVE-145

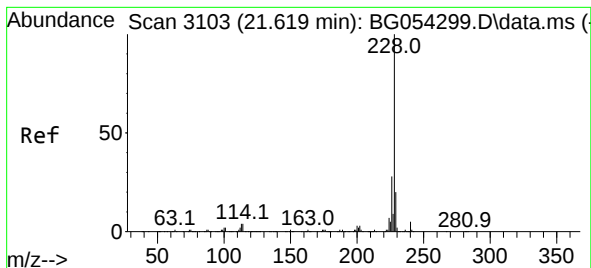
Tgt Ion:202 Resp: 103478
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 19.2 14.6 21.8



#79
Terphenyl-d14
Concen: 92.681 ng
RT: 19.974 min Scan# 2891
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:244 Resp: 683332
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 4.7 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 8.113 ng

RT: 21.613 min Scan# 3103

Delta R.T. -0.001 min

Lab File: BG054500.D

Acq: 3 Aug 2022 15:18

Instrument :

BNA_G

ClientSampleId :

RVE-145

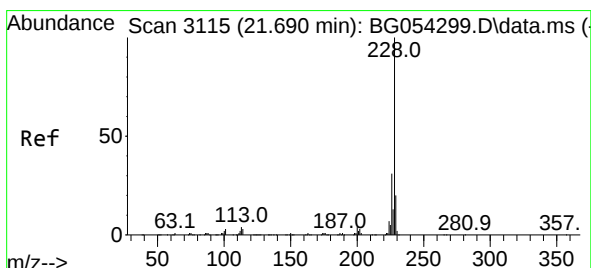
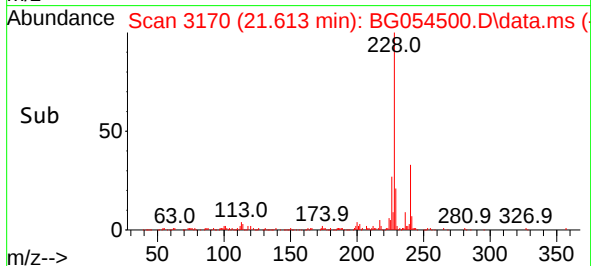
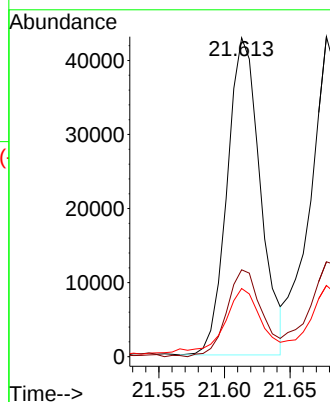
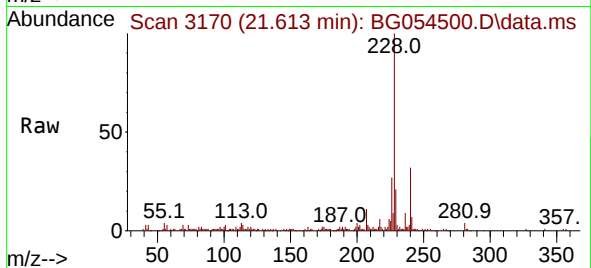
Tgt Ion:228 Resp: 75328

Ion Ratio Lower Upper

228 100

226 27.2 21.6 32.4

229 21.4 16.2 24.2



#83

Chrysene

Concen: 8.821 ng

RT: 21.678 min Scan# 3181

Delta R.T. -0.006 min

Lab File: BG054500.D

Acq: 3 Aug 2022 15:18

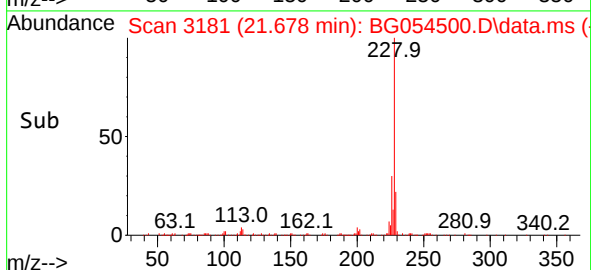
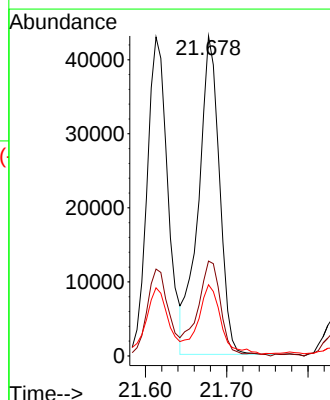
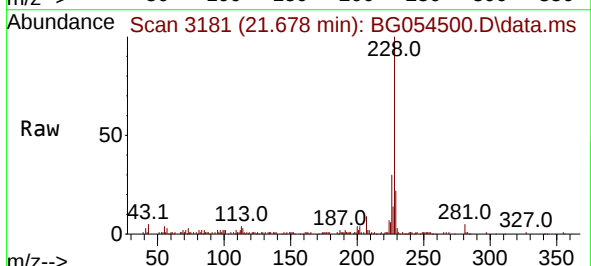
Tgt Ion:228 Resp: 77380

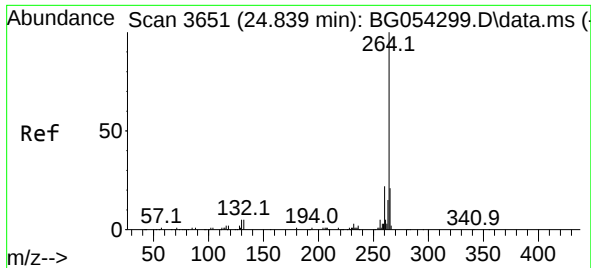
Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

229 22.3 15.5 23.3

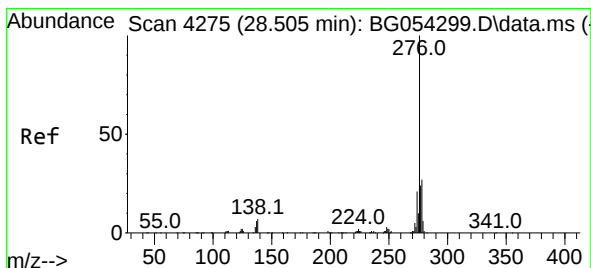
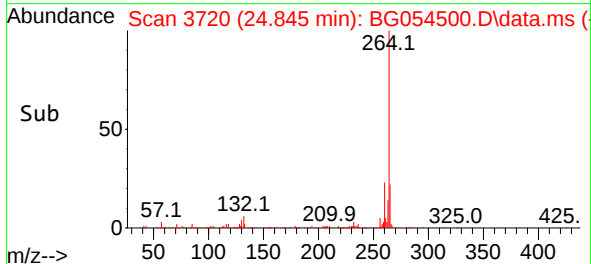
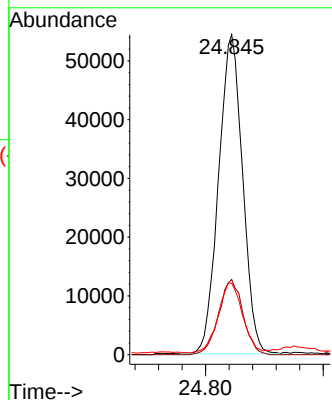
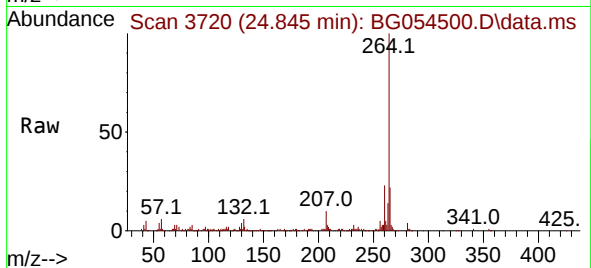




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.845 min Scan# 31
 Delta R.T. 0.011 min
 Lab File: BG054500.D
 Acq: 3 Aug 2022 15:18

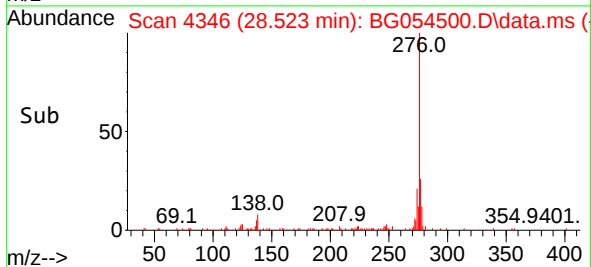
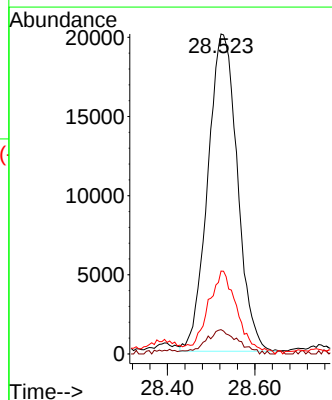
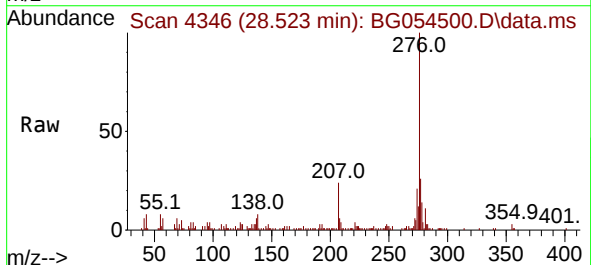
Instrument :
 BNA_G
 ClientSampleId :
 RVE-145

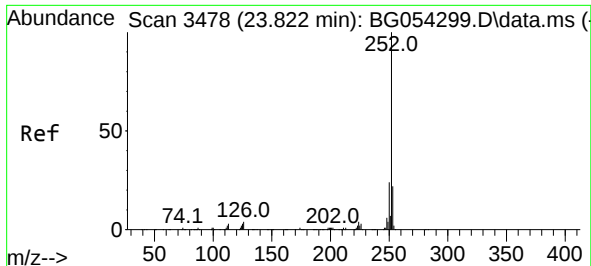
Tgt Ion:264 Resp: 153864
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 22.4 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.052 ng
 RT: 28.523 min Scan# 4346
 Delta R.T. 0.005 min
 Lab File: BG054500.D
 Acq: 3 Aug 2022 15:18

Tgt Ion:276 Resp: 94250
 Ion Ratio Lower Upper
 276 100
 138 8.3 5.0 7.4#
 277 25.9 20.3 30.5

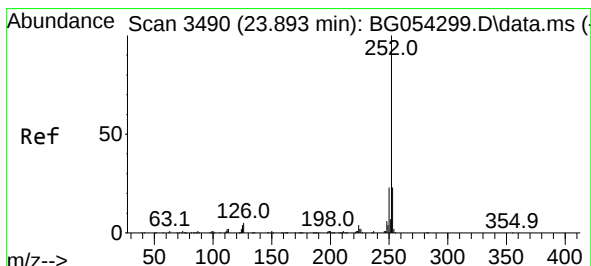
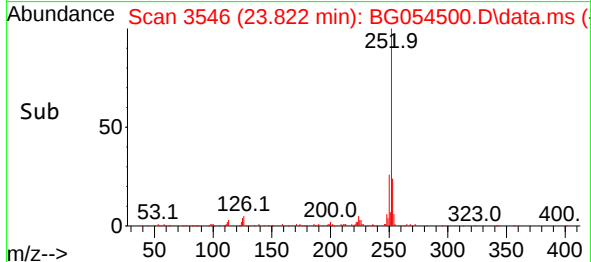
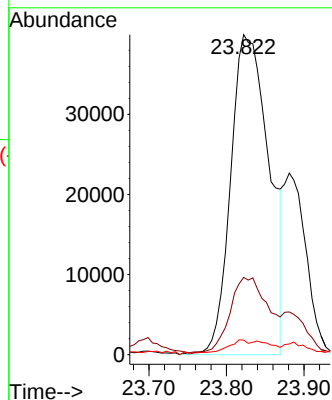
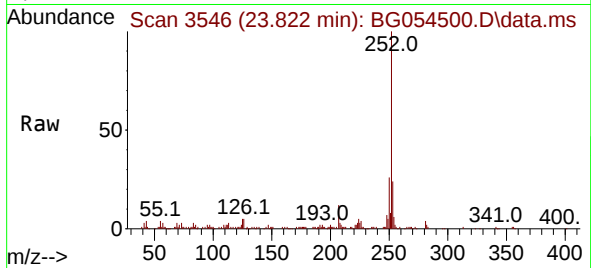




#88
Benzo(b)fluoranthene
Concen: 15.114 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

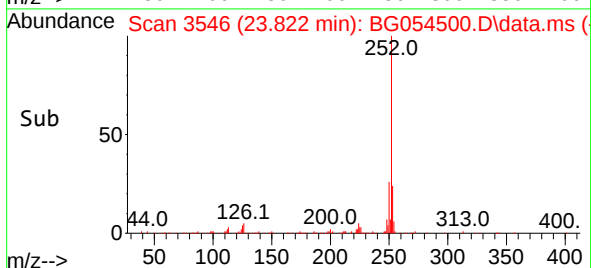
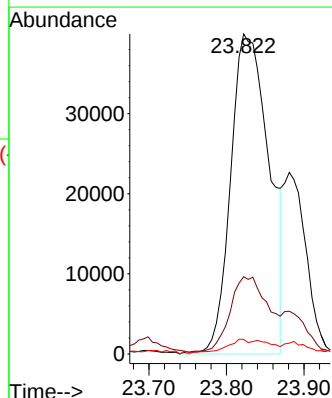
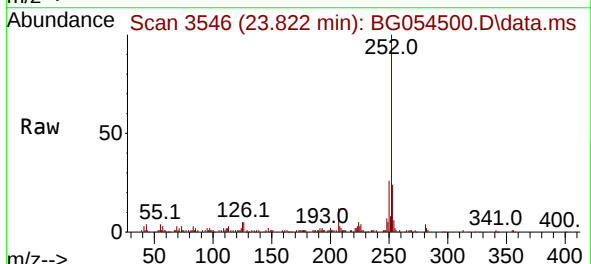
Instrument :
BNA_G
ClientSampleId :
RVE-145

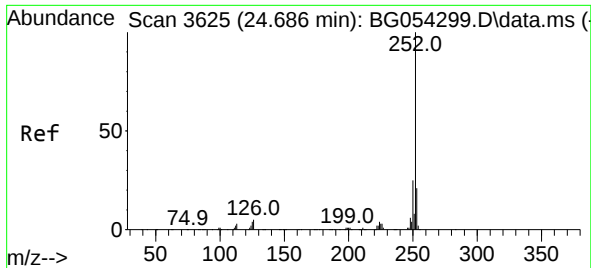
Tgt Ion:252 Resp: 137528
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 4.6 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 15.187 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.065 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:252 Resp: 137528
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 4.6 4.8 7.2#

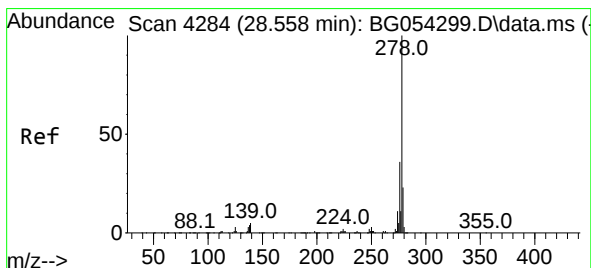
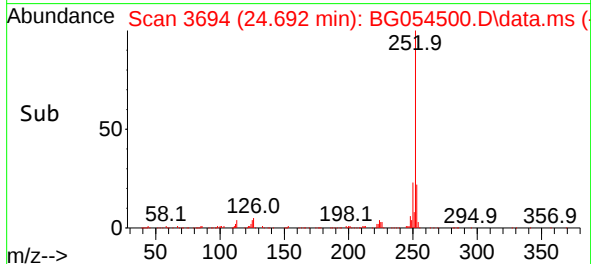
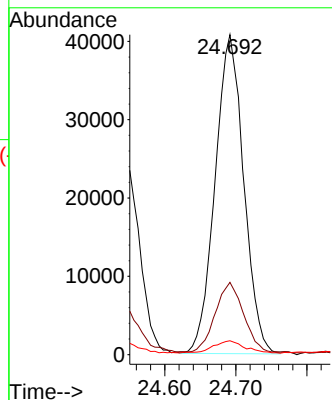
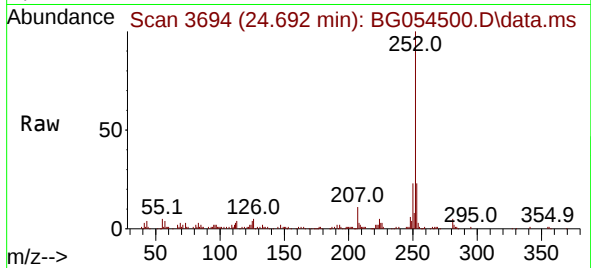




#90
Benzo(a)pyrene
Concen: 14.657 ng
RT: 24.692 min Scan# 30
Delta R.T. 0.005 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

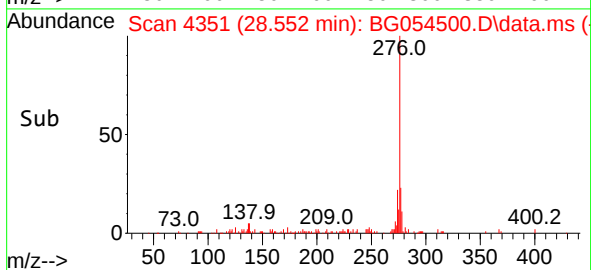
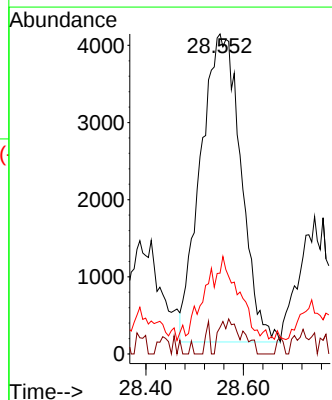
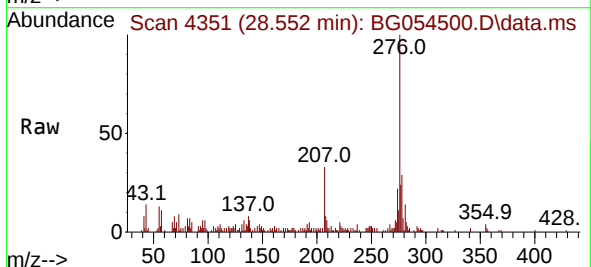
Instrument :
BNA_G
ClientSampleId :
RVE-145

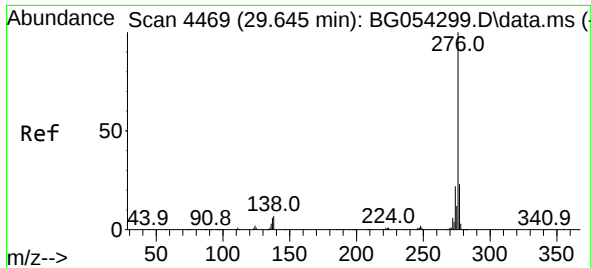
Tgt Ion:252 Resp: 113900
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 4.4 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.383 ng
RT: 28.552 min Scan# 4351
Delta R.T. -0.012 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:278 Resp: 22932
Ion Ratio Lower Upper
278 100
139 8.3 7.2 10.8
279 25.2 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 10.609 ng
 RT: 29.686 min Scan# 4
 Delta R.T. 0.023 min
 Lab File: BG054500.D
 Acq: 3 Aug 2022 15:18

Instrument :
 BNA_G
 ClientSampleId :
 RVE-145

Tgt Ion:276 Resp: 100783
 Ion Ratio Lower Upper
 276 100
 277 24.7 17.3 25.9
 138 10.6 9.6 14.4

