

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054435.D
 Acq On : 28 Jul 2022 17:08
 Operator : CG/JU
 Sample : N3893-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-1

Quant Time: Jul 29 04:09:08 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)

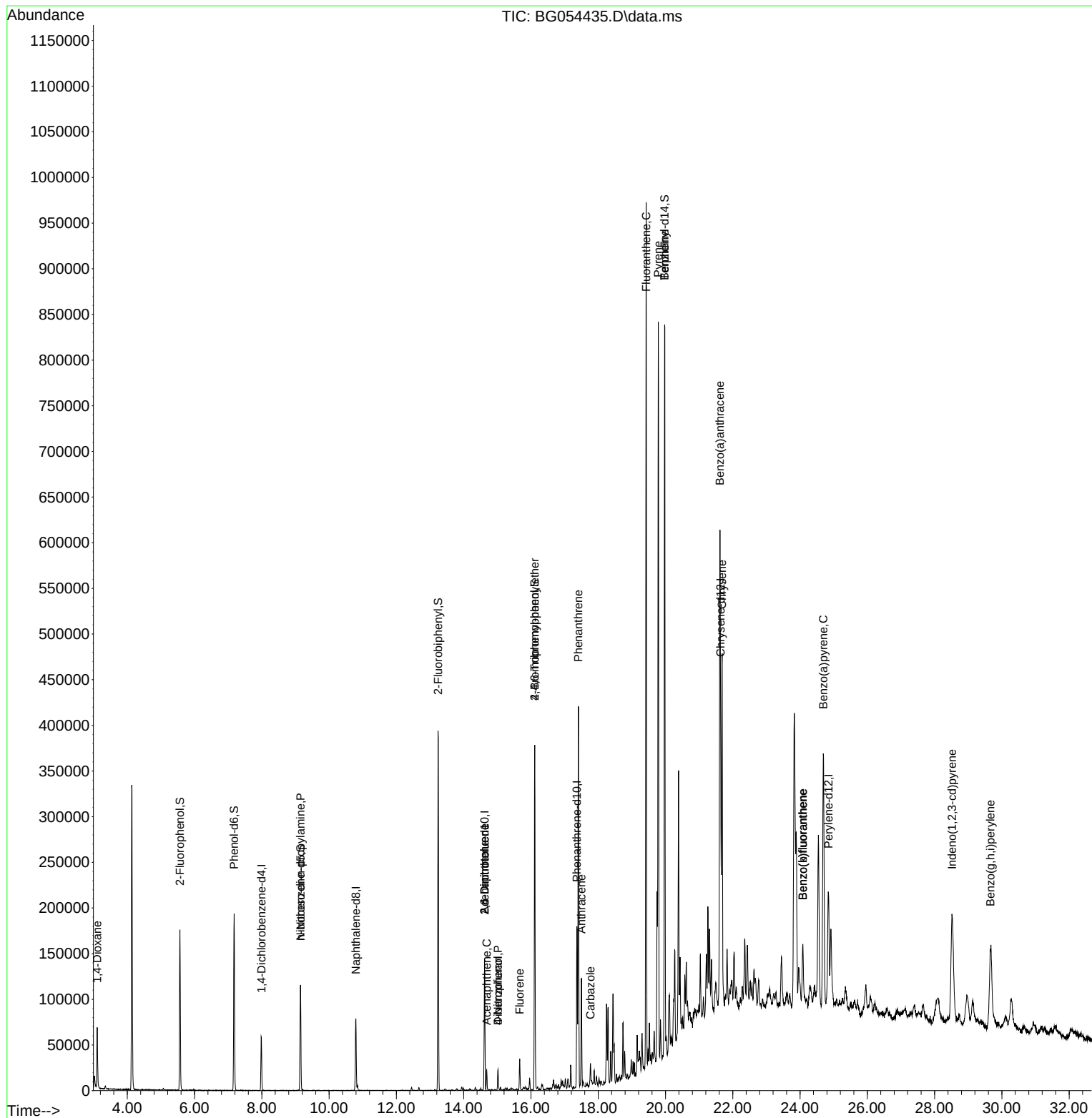
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	18952	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	73155	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	55153	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	130277	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	143937	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	154246	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	79881	88.002	ng	0.00
7) Phenol-d6	7.177	99	110501	88.842	ng	0.00
23) Nitrobenzene-d5	9.151	82	72969	54.319	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	98452	85.018	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	230079	58.849	ng	0.00
79) Terphenyl-d14	19.974	244	457146	63.006	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.105	88	801	2.218	ng	# 1
9) Benzaldehyde	7.171	77	55	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.151	70	10748	12.940	ng	# 74
51) 2,6-Dinitrotoluene	14.621	165	7900	8.361	ng	# 16
52) Acenaphthene	14.686	154	9193	3.236	ng	100
55) Dibenzofuran	15.021	168	16167	3.198	ng	# 94
56) 4-Nitrophenol	15.021	139	5530	10.488	ng	# 1
57) 2,4-Dinitrotoluene	14.621	165	7900	5.832	ng	# 21
58) Fluorene	15.667	166	16653	4.006	ng	94
67) 4-Bromophenyl-phenylether	16.114	248	5790	3.165	ng	# 1
71) Phenanthrene	17.412	178	293785	45.283	ng	96
72) Anthracene	17.500	178	88543	13.908	ng	98
73) Carbazole	17.771	167	17696	3.376	ng	99
75) Fluoranthene	19.427	202	656354	74.216	ng	95
77) Benzidine	19.974	184	5971	2.291	ng	# 89
78) Pyrene	19.786	202	586218	70.979	ng	95
81) Benzo(a)anthracene	21.619	228	351720	38.494	ng	98
83) Chrysene	21.684	228	301426	34.918	ng	95
87) Indeno(1,2,3-cd)pyrene	28.517	276	256815	21.886	ng	96
88) Benzo(b)fluoranthene	24.081	252	65883	7.222	ng	92
89) Benzo(k)fluoranthene	24.081	252	65883	7.257	ng	93
90) Benzo(a)pyrene	24.692	252	361369	46.388	ng	98
92) Benzo(g,h,i)perylene	29.663	276	245982	25.830	ng	# 92

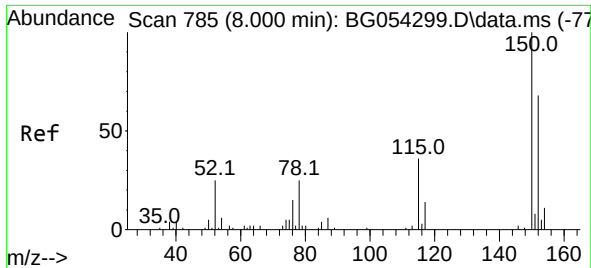
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
Data File : BG054435.D
Acq On : 28 Jul 2022 17:08
Operator : CG/JU
Sample : N3893-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RVE-1

Quant Time: Jul 29 04:09:08 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

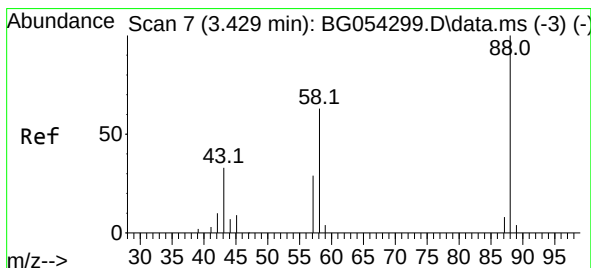
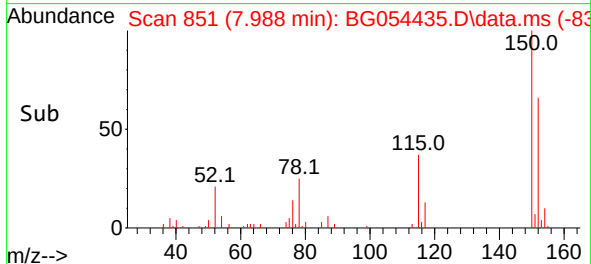
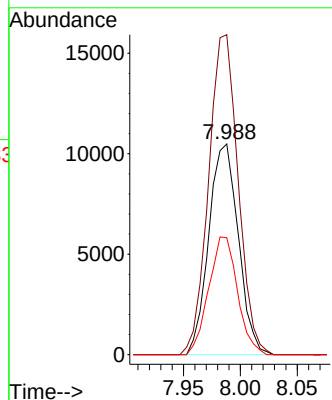
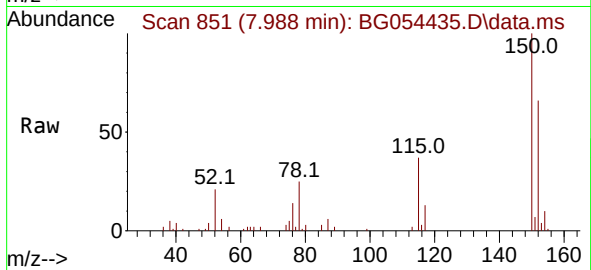




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.988 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

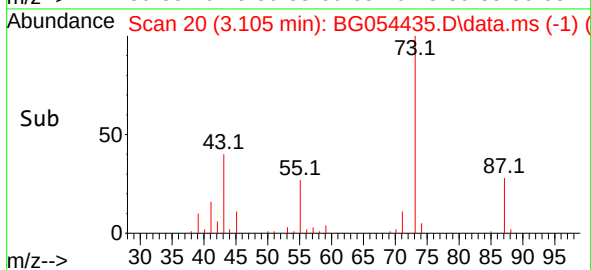
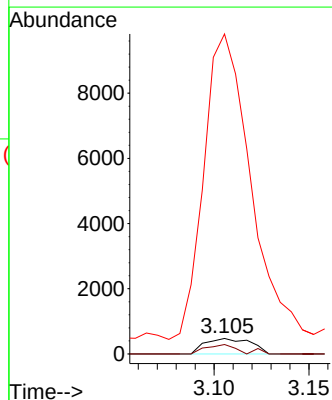
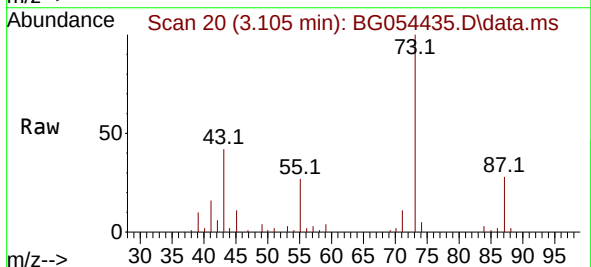
Instrument :
 BNA_G
 ClientSampleId :
 RVE-1

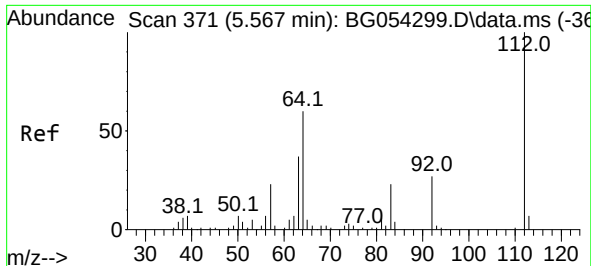
Tgt Ion:152 Resp: 18952
 Ion Ratio Lower Upper
 152 100
 150 151.8 131.6 197.4
 115 55.5 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.218 ng
 RT: 3.105 min Scan# 20
 Delta R.T. -0.312 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

Tgt Ion: 88 Resp: 801
 Ion Ratio Lower Upper
 88 100
 58 45.2 59.2 88.8#
 43 2109.0 24.3 36.5#

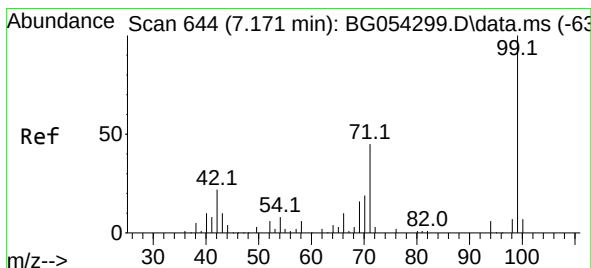
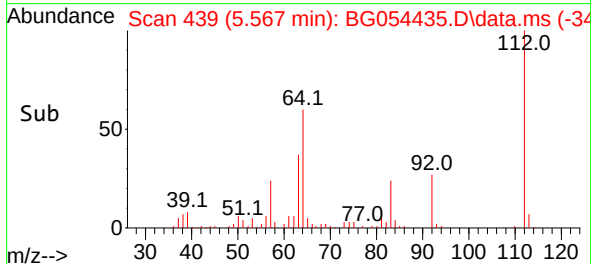
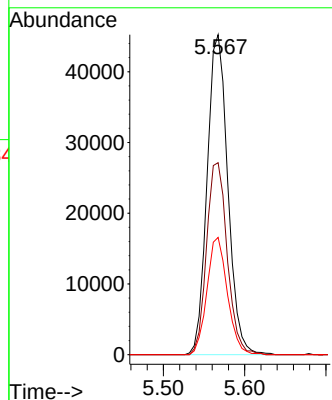
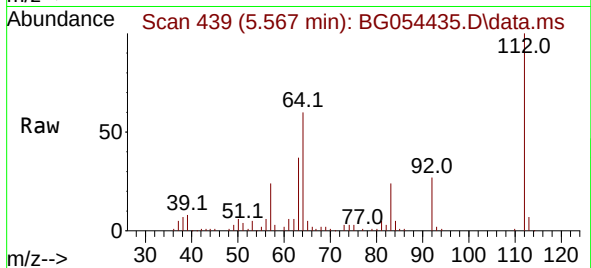




#5
2-Fluorophenol
Concen: 88.002 ng
RT: 5.567 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

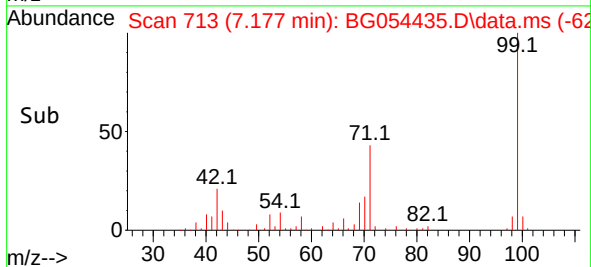
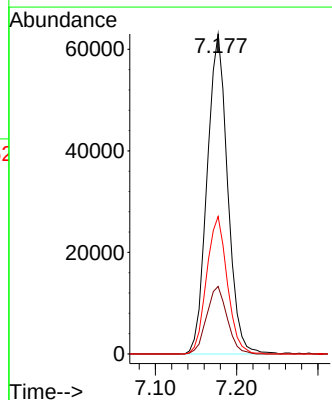
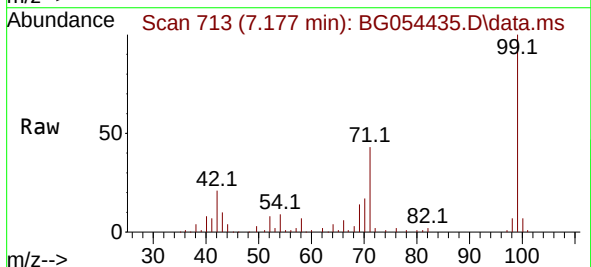
Instrument :
BNA_G
ClientSampleId :
RVE-1

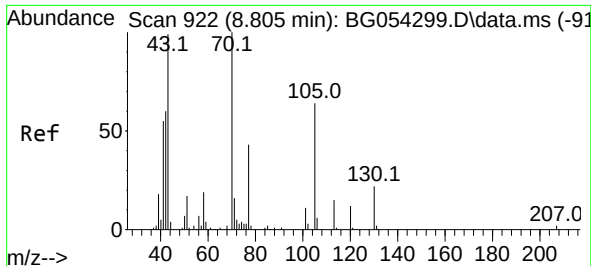
Tgt Ion:112 Resp: 79881
Ion Ratio Lower Upper
112 100
64 60.0 55.1 82.7
63 36.7 30.4 45.6



#7
Phenol-d6
Concen: 88.842 ng
RT: 7.177 min Scan# 713
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion: 99 Resp: 110501
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 42.9 33.8 50.8

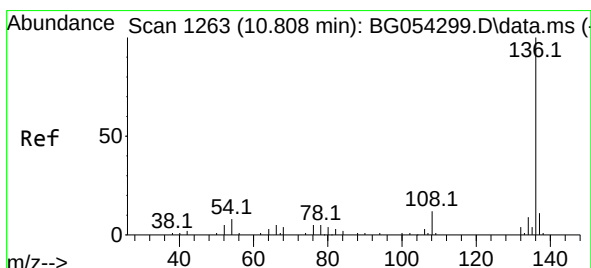
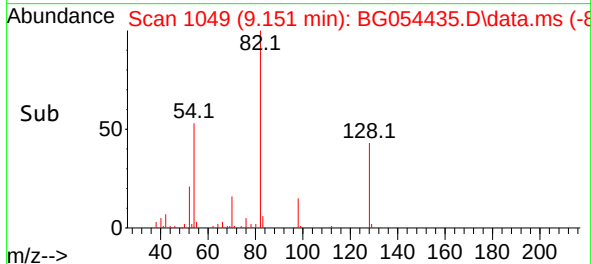
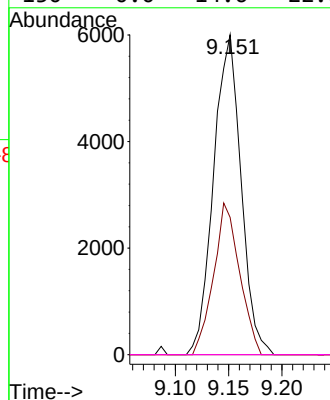
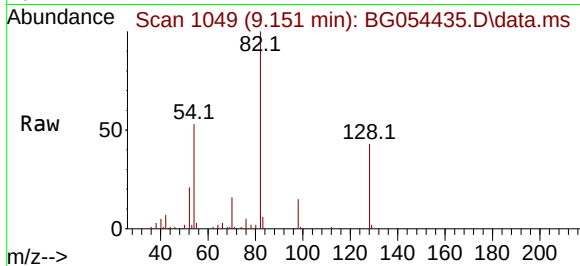




#19
n-Nitroso-di-n-propylamine
Concen: 12.940 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.358 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

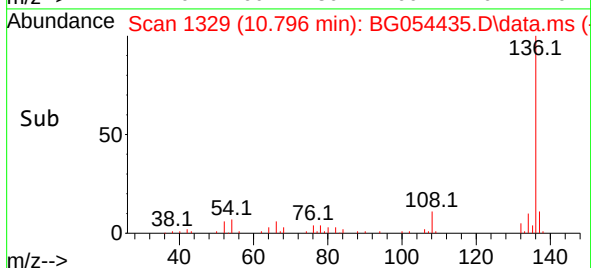
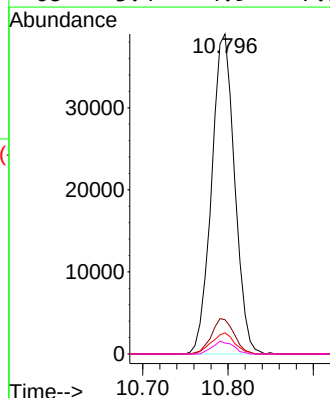
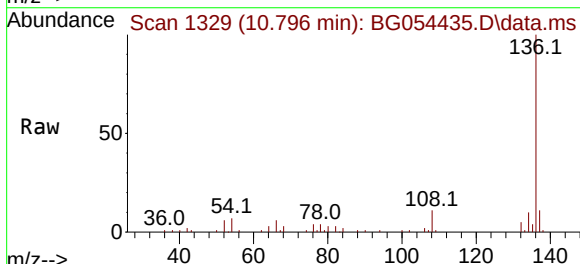
Instrument :
BNA_G
ClientSampleId :
RVE-1

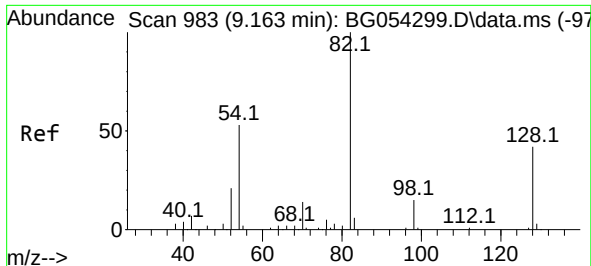
Tgt Ion:	70	Resp:	10748
Ion	Ratio	Lower	Upper
70	100		
42	42.9	47.3	70.9#
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:	136	Resp:	73155
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.6	7.4	11.2#
68	3.4	4.9	7.3#

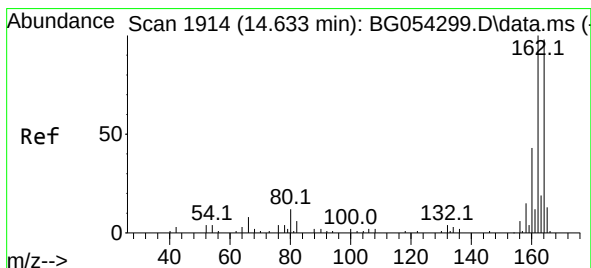
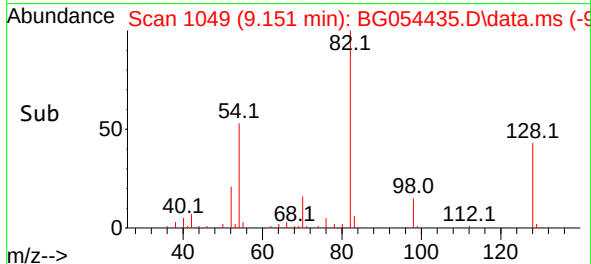
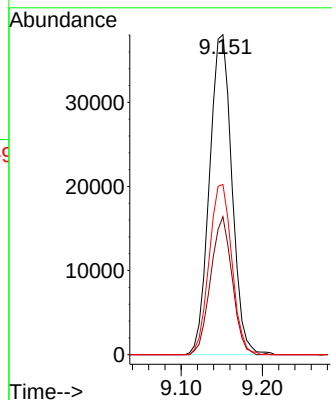
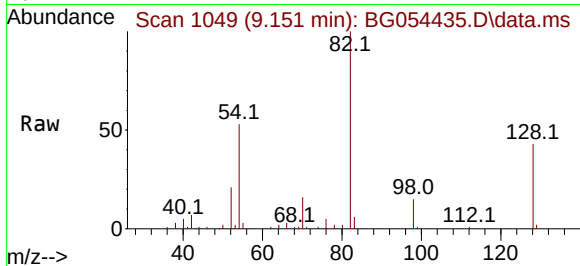




#23
Nitrobenzene-d5
Concen: 54.319 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

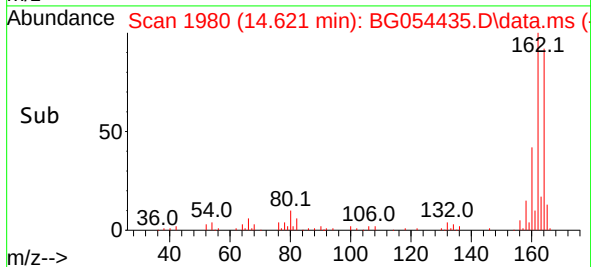
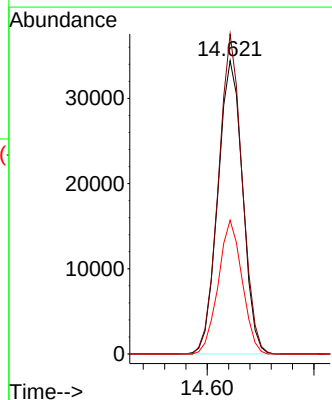
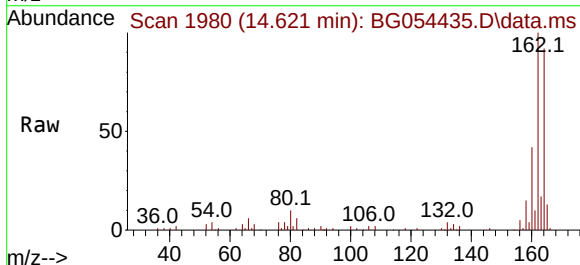
Instrument :
BNA_G
ClientSampleId :
RVE-1

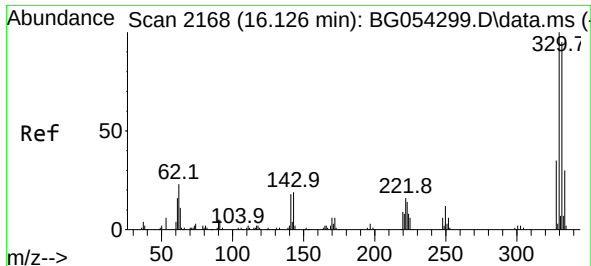
Tgt Ion: 82 Resp: 72969
Ion Ratio Lower Upper
82 100
128 43.1 27.9 41.9#
54 53.2 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:164 Resp: 55153
Ion Ratio Lower Upper
164 100
162 109.1 82.3 123.5
160 45.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 85.018 ng

RT: 16.114 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG054435.D

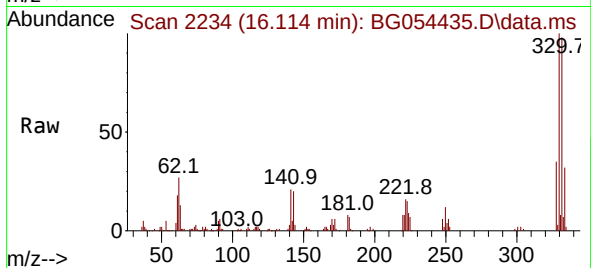
Acq: 28 Jul 2022 17:08

Instrument :

BNA_G

ClientSampleId :

RVE-1



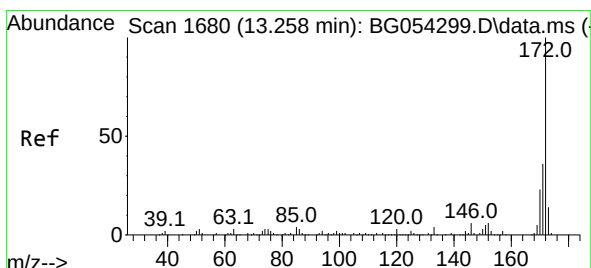
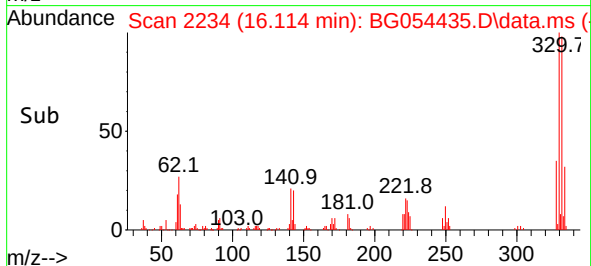
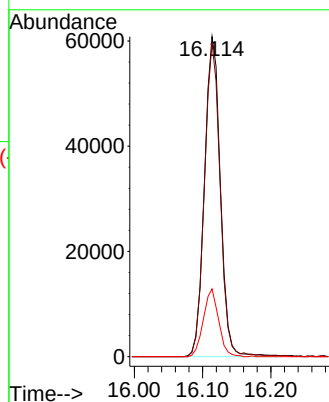
Tgt Ion:330 Resp: 98452

Ion Ratio Lower Upper

330 100

332 96.8 76.0 114.0

141 20.3 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 58.849 ng

RT: 13.246 min Scan# 1746

Delta R.T. -0.000 min

Lab File: BG054435.D

Acq: 28 Jul 2022 17:08

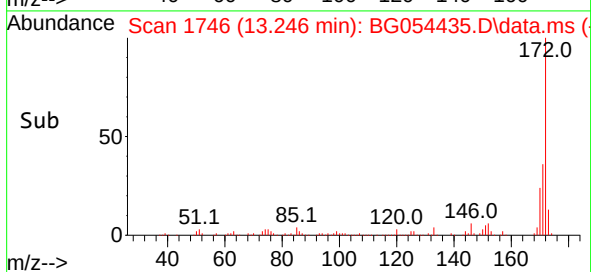
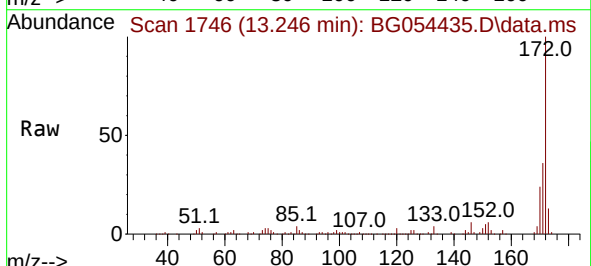
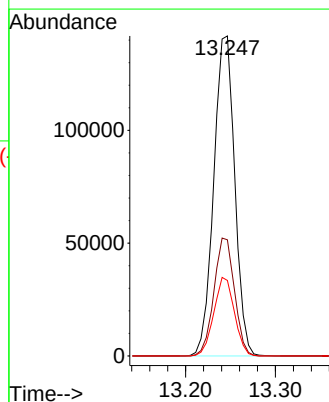
Tgt Ion:172 Resp: 230079

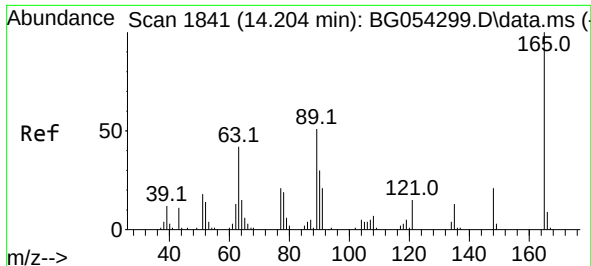
Ion Ratio Lower Upper

172 100

171 36.3 28.5 42.7

170 23.6 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.361 ng

RT: 14.621 min Scan# 1991

Delta R.T. 0.423 min

Lab File: BG054435.D

Acq: 28 Jul 2022 17:08

Instrument :

BNA_G

ClientSampleId :

RVE-1

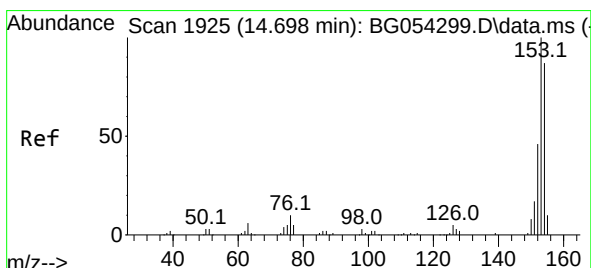
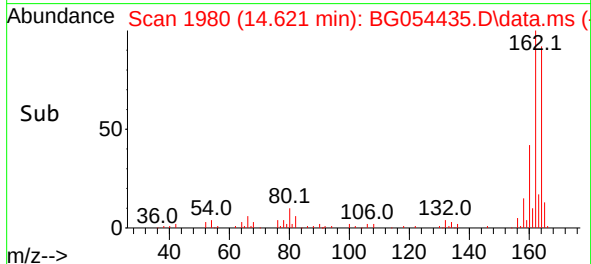
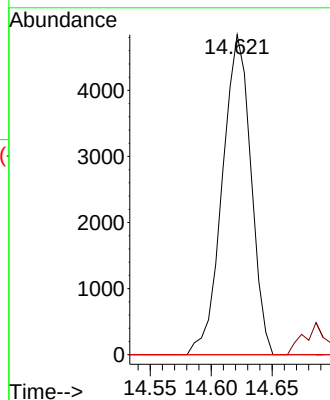
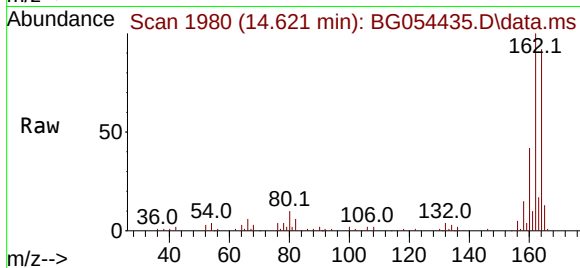
Tgt Ion:165 Resp: 7900

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#52

Acenaphthene

Concen: 3.236 ng

RT: 14.686 min Scan# 1991

Delta R.T. -0.000 min

Lab File: BG054435.D

Acq: 28 Jul 2022 17:08

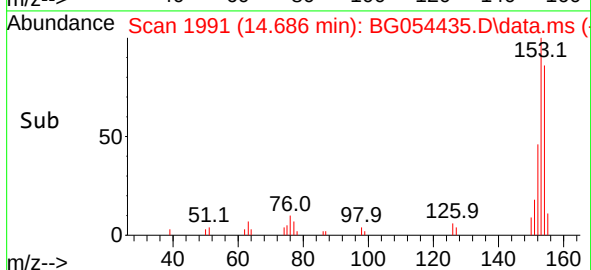
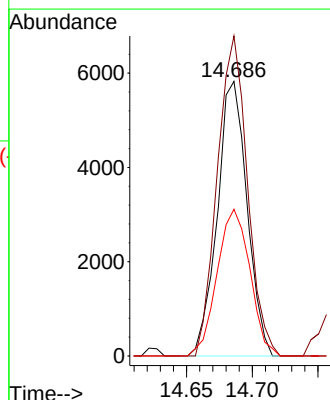
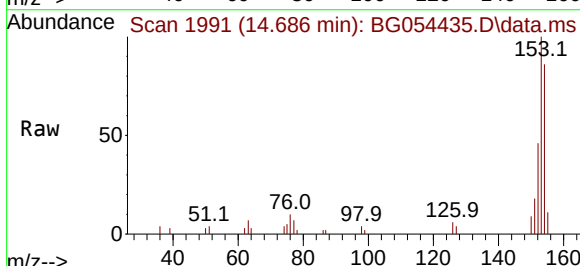
Tgt Ion:154 Resp: 9193

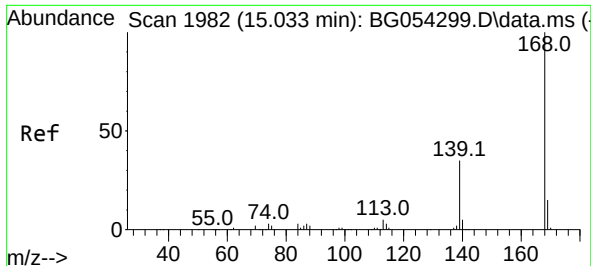
Ion Ratio Lower Upper

154 100

153 116.6 92.7 139.1

152 53.5 42.6 64.0

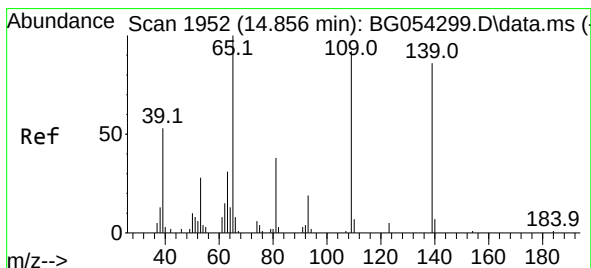
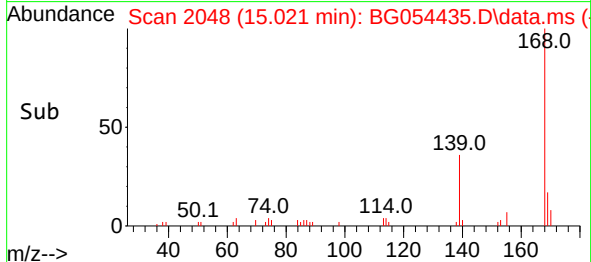
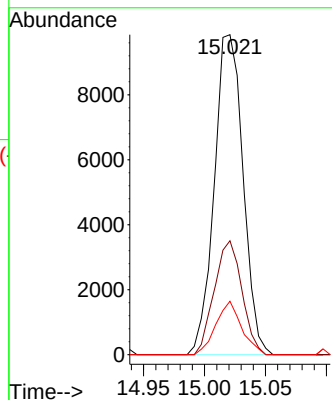
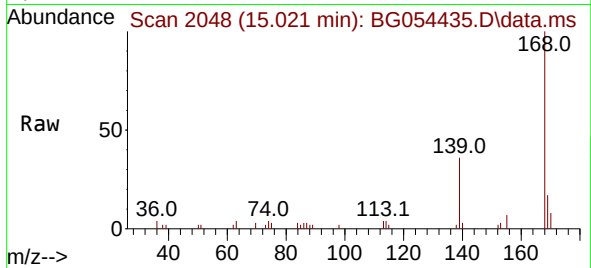




#55
Dibenzofuran
Concen: 3.198 ng
RT: 15.021 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

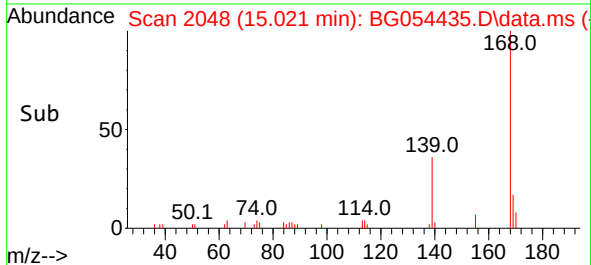
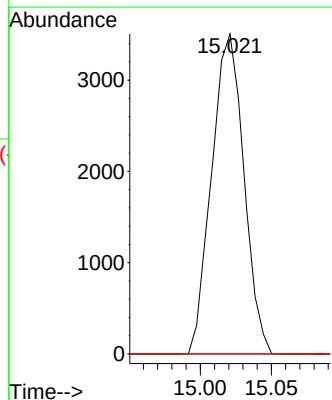
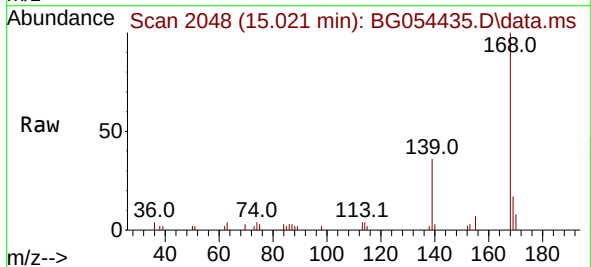
Instrument :
BNA_G
ClientSampleId :
RVE-1

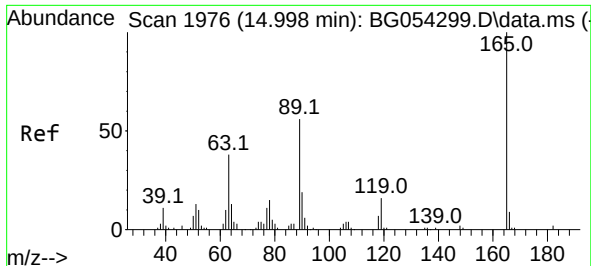
Tgt Ion:168 Resp: 16167
Ion Ratio Lower Upper
168 100
139 35.6 30.5 45.7
169 16.7 10.3 15.5#



#56
4-Nitrophenol
Concen: 10.488 ng
RT: 15.021 min Scan# 2048
Delta R.T. 0.141 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:139 Resp: 5530
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: 5.832 ng

RT: 14.621 min Scan# 11

Delta R.T. -0.371 min

Lab File: BG054435.D

Acq: 28 Jul 2022 17:08

Instrument :

BNA_G

ClientSampleId :

RVE-1

Tgt Ion:165 Resp: 7900

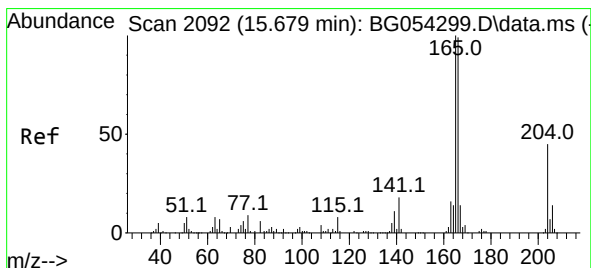
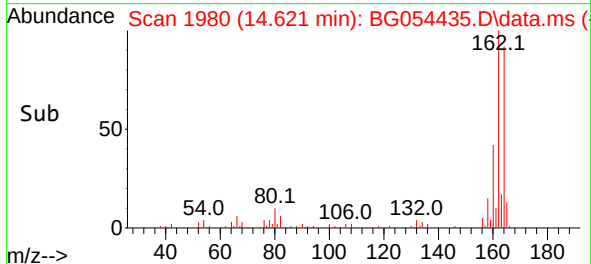
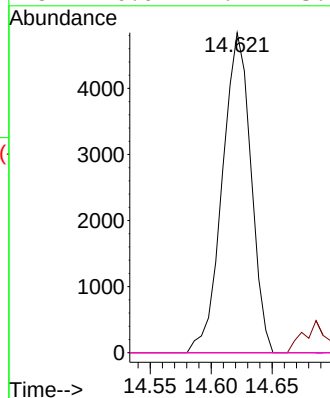
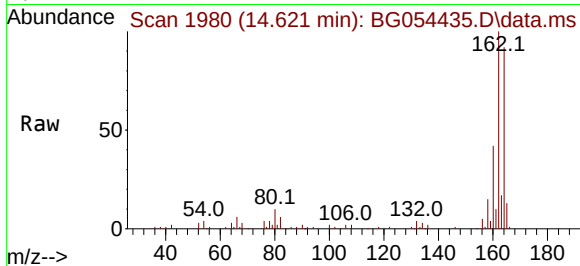
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#58

Fluorene

Concen: 4.006 ng

RT: 15.667 min Scan# 2158

Delta R.T. -0.006 min

Lab File: BG054435.D

Acq: 28 Jul 2022 17:08

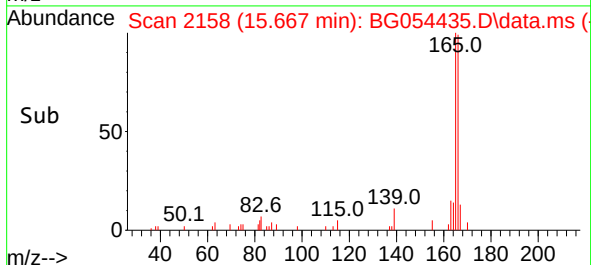
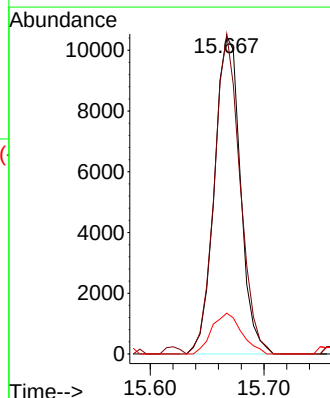
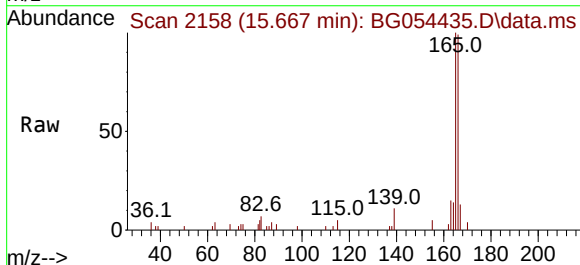
Tgt Ion:166 Resp: 16653

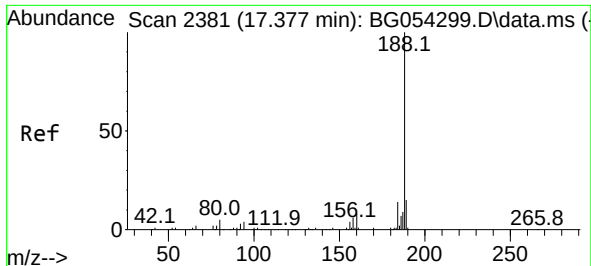
Ion Ratio Lower Upper

166 100

165 100.7 75.0 112.6

167 12.8 10.8 16.2

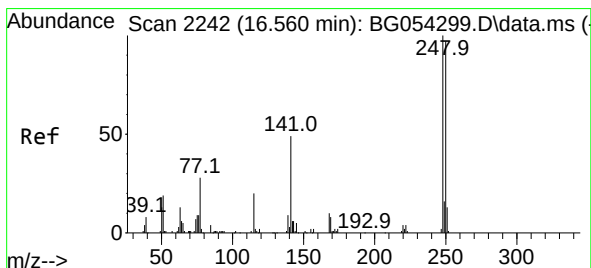
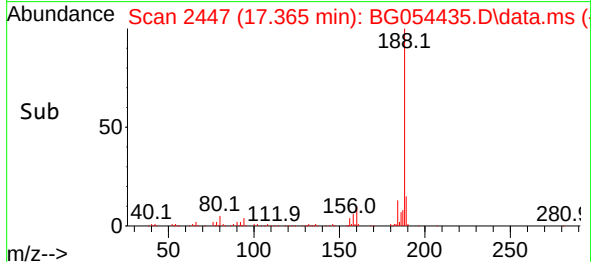
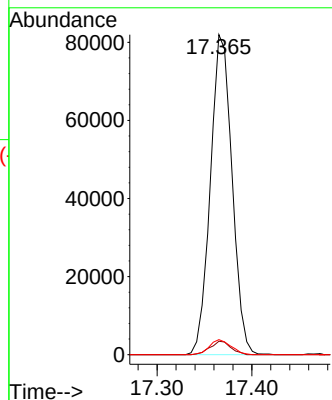
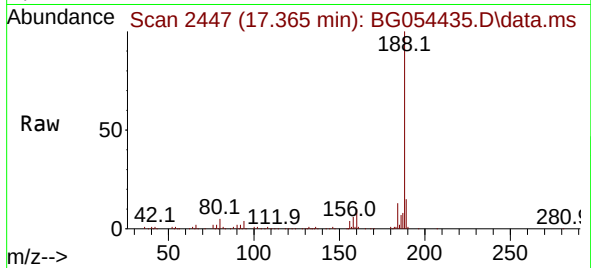




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

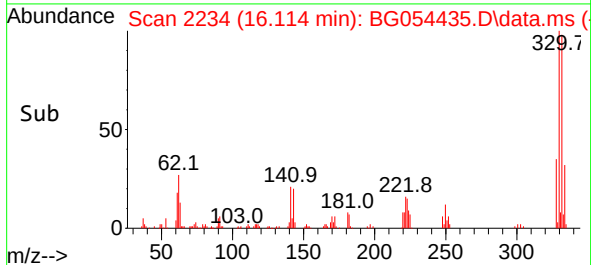
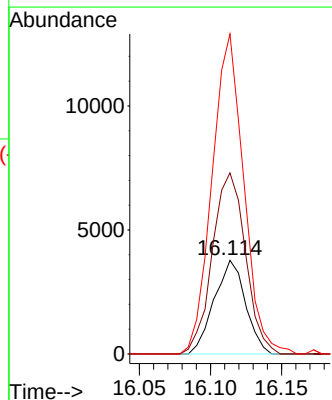
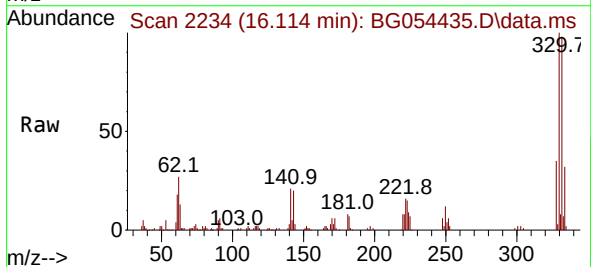
Instrument :
BNA_G
ClientSampleId :
RVE-1

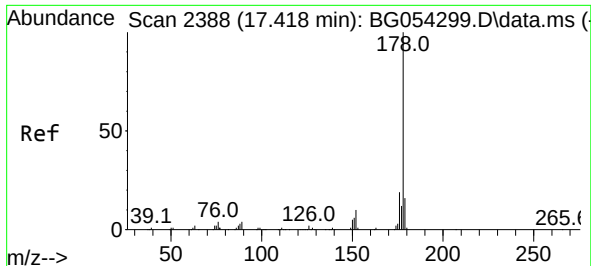
Tgt Ion:188 Resp: 130277
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.165 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.441 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:248 Resp: 5790
Ion Ratio Lower Upper
248 100
250 193.3 75.2 112.8#
141 341.7 50.0 75.0#

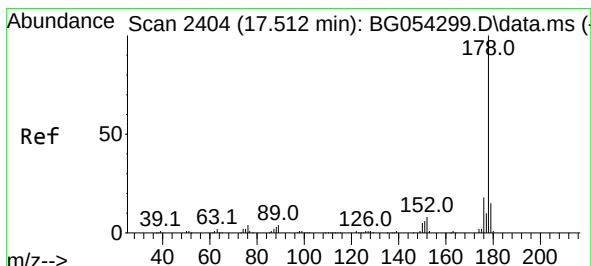
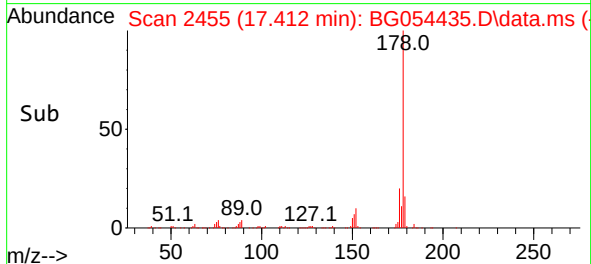
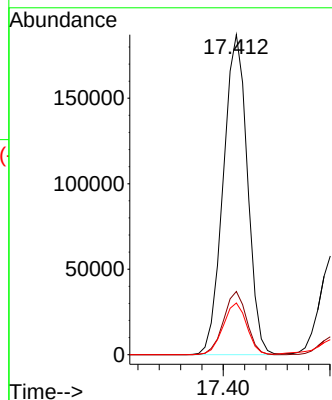
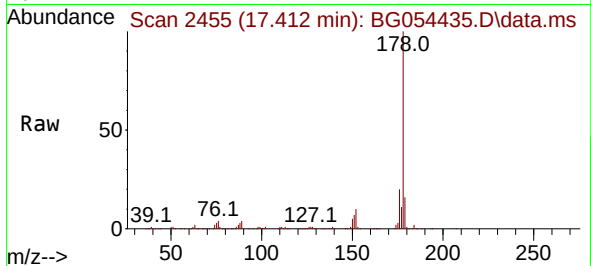




#71
Phenanthrene
Concen: 45.283 ng
RT: 17.412 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

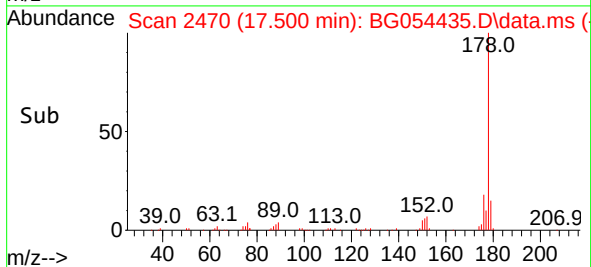
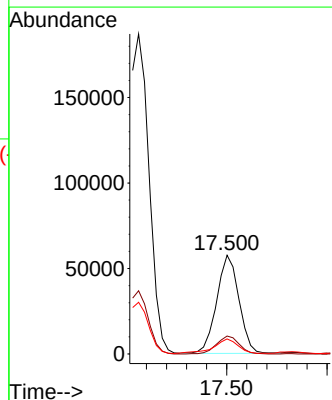
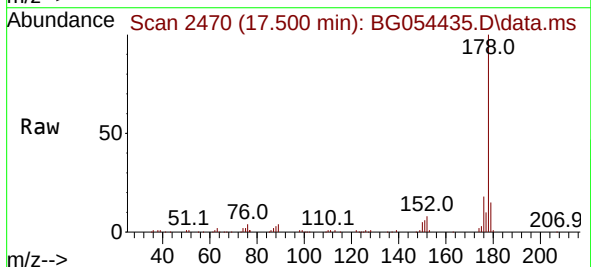
Instrument :
BNA_G
ClientSampleId :
RVE-1

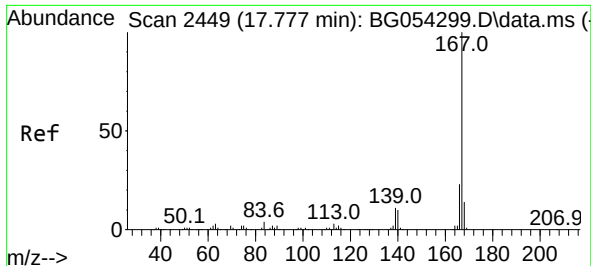
Tgt Ion:178 Resp: 293785
Ion Ratio Lower Upper
178 100
176 19.8 14.1 21.1
179 16.2 12.1 18.1



#72
Anthracene
Concen: 13.908 ng
RT: 17.500 min Scan# 2470
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:178 Resp: 88543
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.3 13.0 19.4

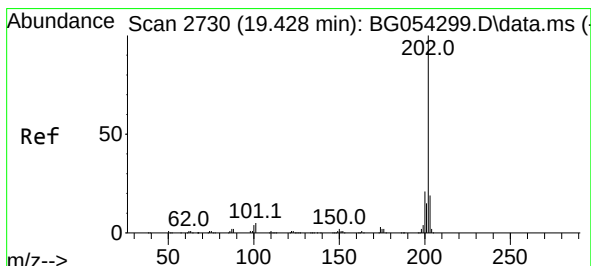
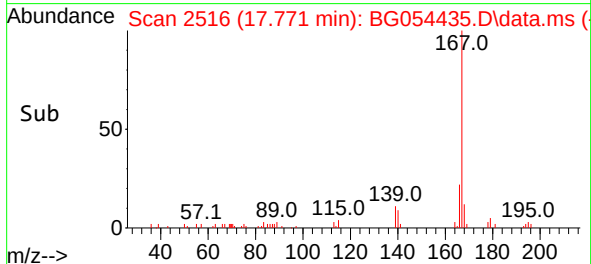
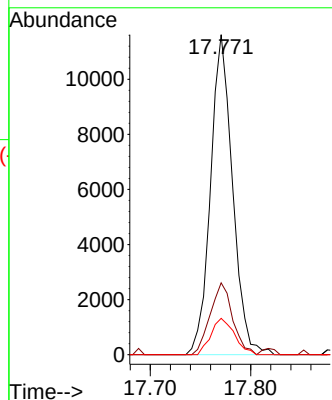
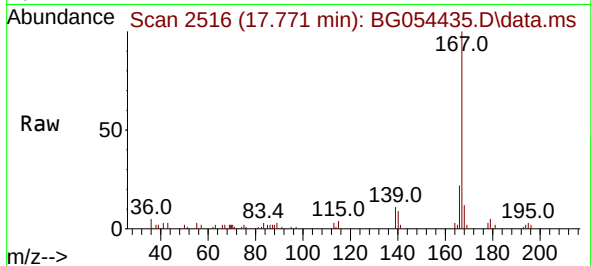




#73
 Carbazole
 Concen: 3.376 ng
 RT: 17.771 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

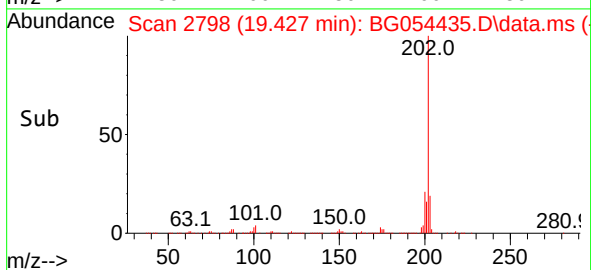
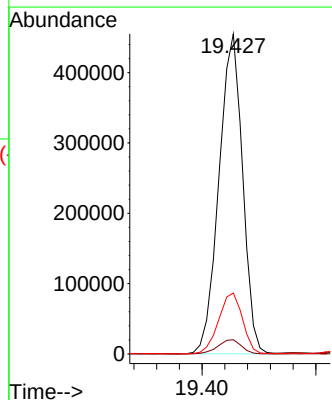
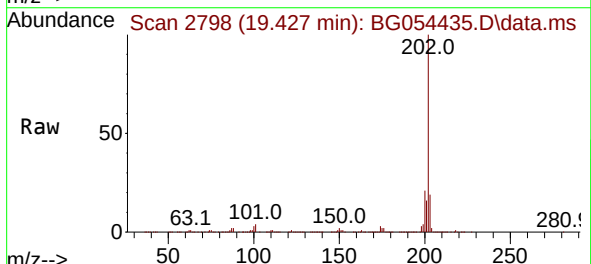
Instrument :
 BNA_G
 ClientSampleId :
 RVE-1

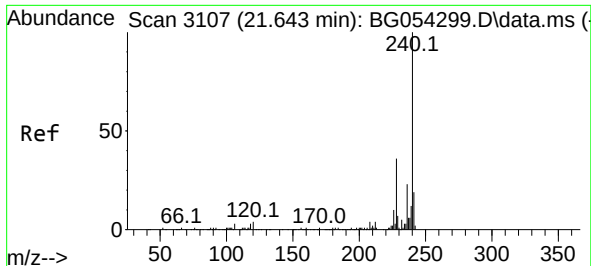
Tgt Ion:167 Resp: 17696
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.2 27.2
 139 11.4 10.1 15.1



#75
 Fluoranthene
 Concen: 74.216 ng
 RT: 19.427 min Scan# 2798
 Delta R.T. 0.005 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

Tgt Ion:202 Resp: 656354
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 19.1 0.0 37.2

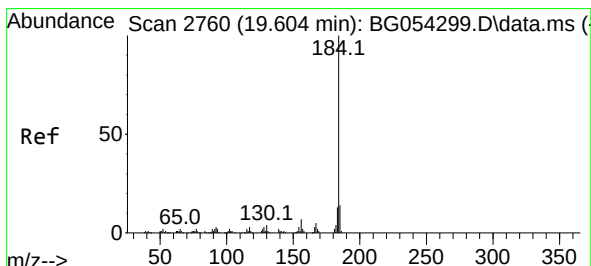
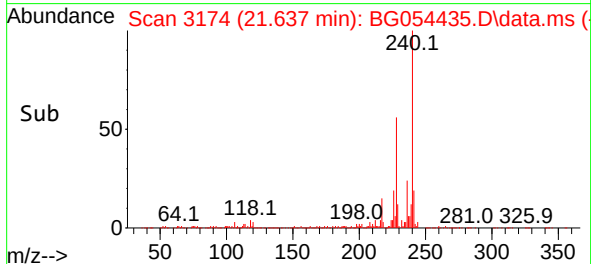
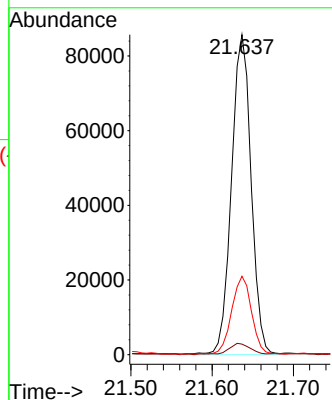
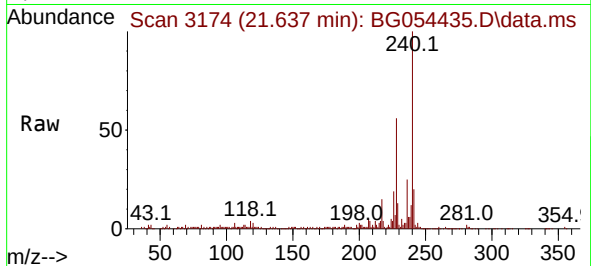




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

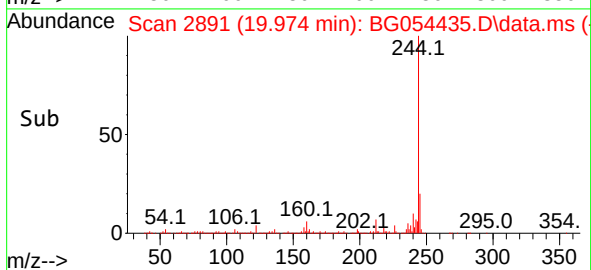
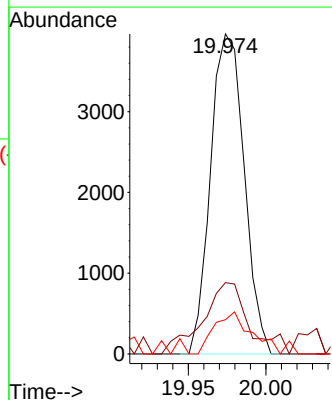
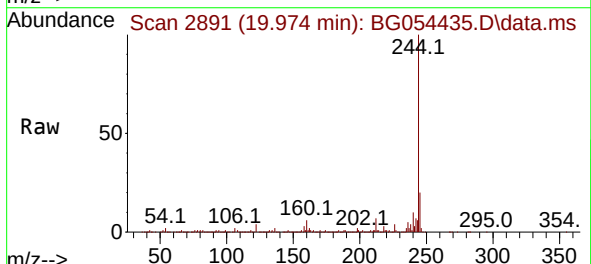
Instrument :
BNA_G
ClientSampleId :
RVE-1

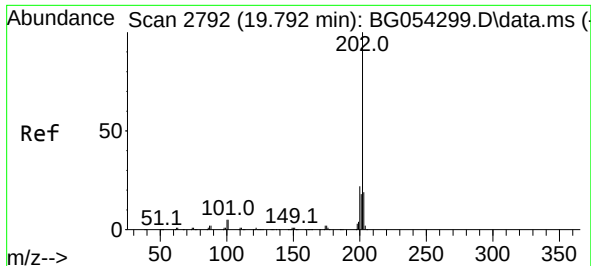
Tgt Ion:240 Resp: 143937
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0#
236 24.5 20.2 30.4



#77
Benzidine
Concen: 2.291 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.376 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:184 Resp: 5971
Ion Ratio Lower Upper
184 100
185 22.3 11.8 17.6#
183 10.7 8.9 13.3

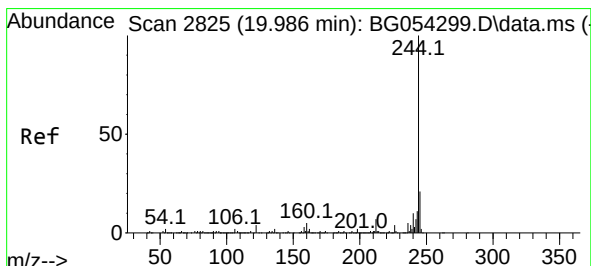
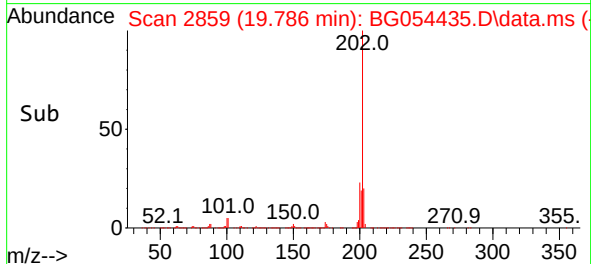
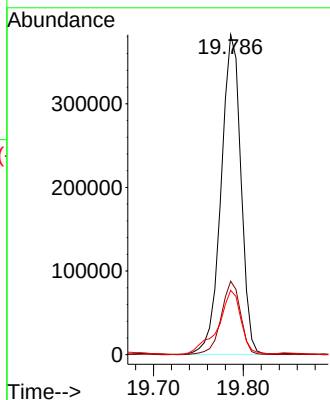
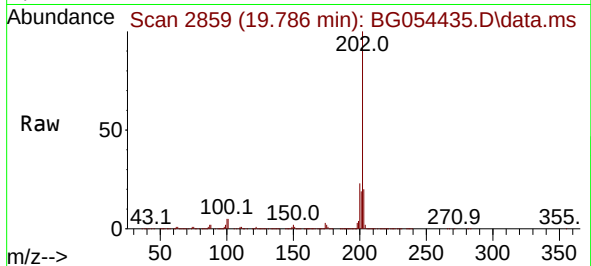




#78
 Pyrene
 Concen: 70.979 ng
 RT: 19.786 min Scan# 2859
 Delta R.T. -0.000 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

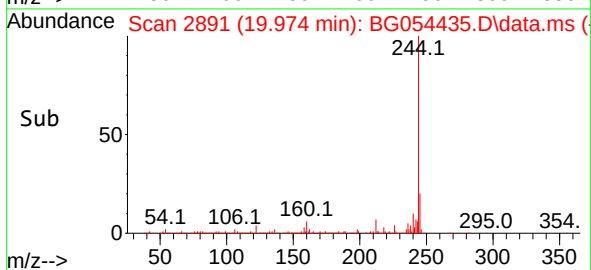
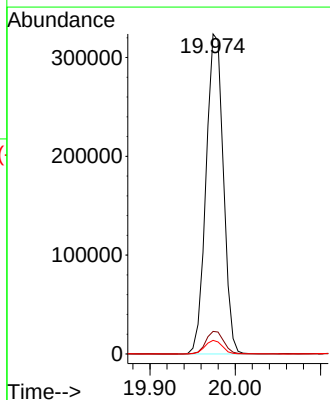
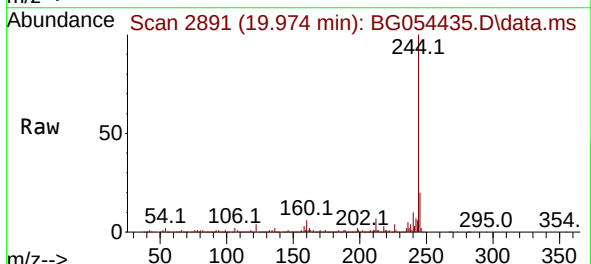
Instrument :
 BNA_G
 ClientSampleId :
 RVE-1

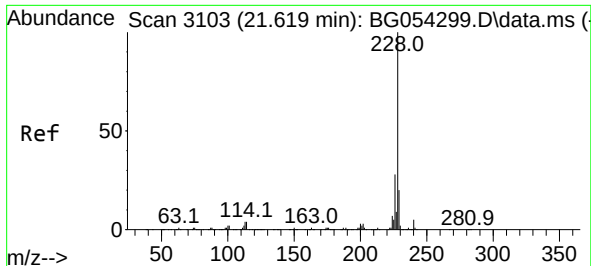
Tgt Ion:202 Resp: 586218
 Ion Ratio Lower Upper
 202 100
 200 22.9 16.6 24.8
 203 20.1 14.6 21.8



#79
 Terphenyl-d14
 Concen: 63.006 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. -0.006 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

Tgt Ion:244 Resp: 457146
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.3 5.0 7.4#

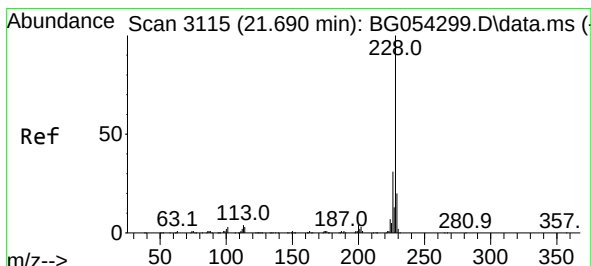
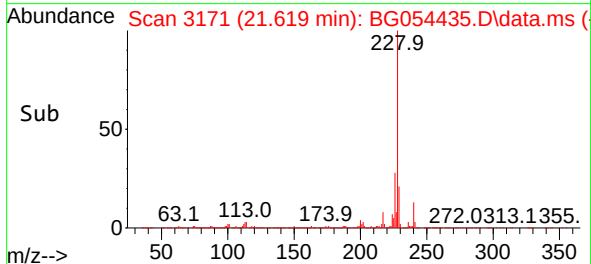
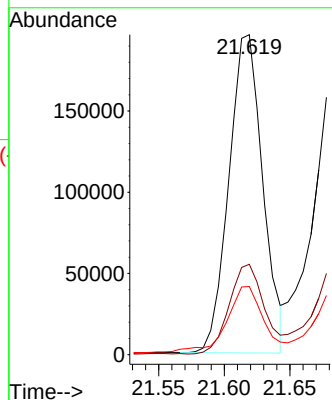
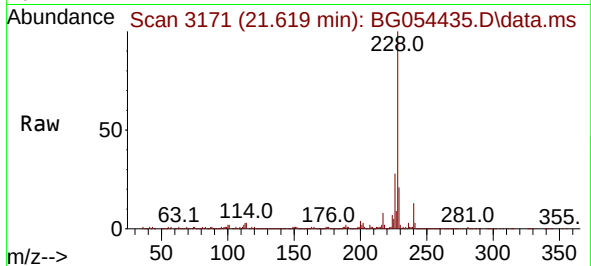




#81
Benzo(a)anthracene
Concen: 38.494 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

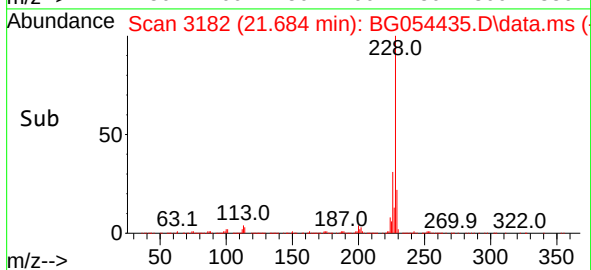
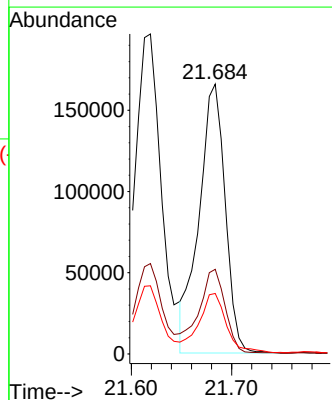
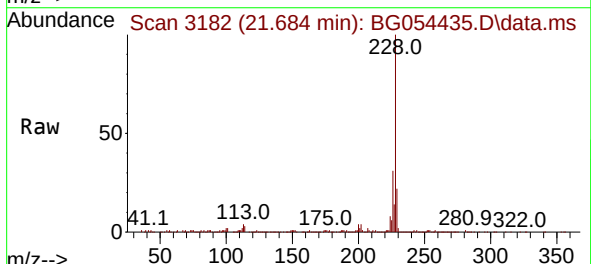
Instrument :
BNA_G
ClientSampleId :
RVE-1

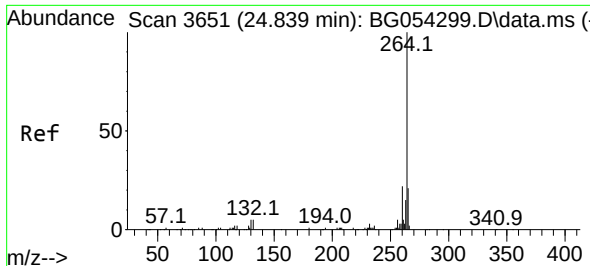
Tgt Ion:228 Resp: 351720
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 21.3 16.2 24.2



#83
Chrysene
Concen: 34.918 ng
RT: 21.684 min Scan# 3182
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:228 Resp: 301426
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.2
229 22.4 15.5 23.3

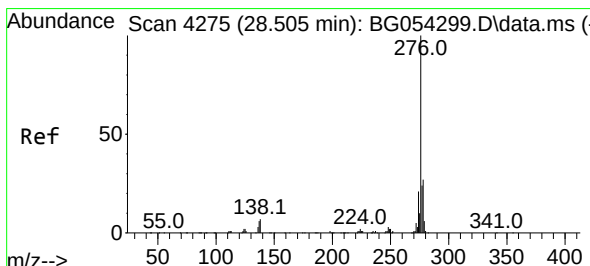
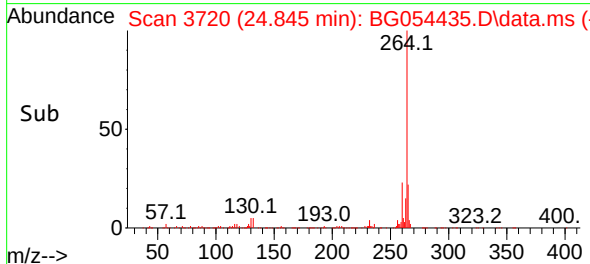
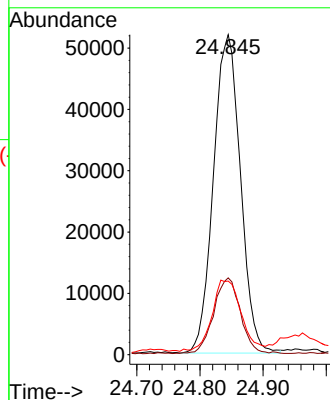
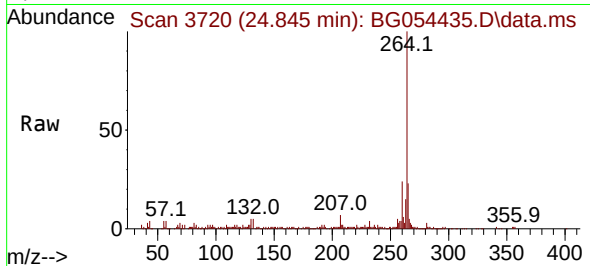




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.845 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

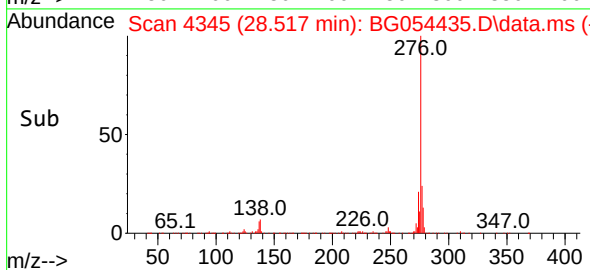
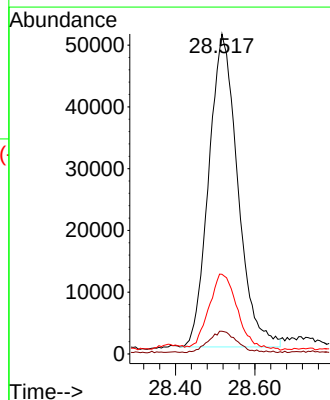
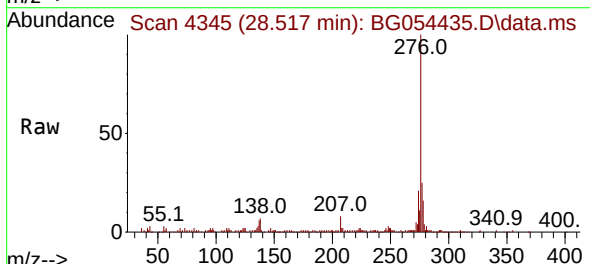
Instrument :
BNA_G
ClientSampleId :
RVE-1

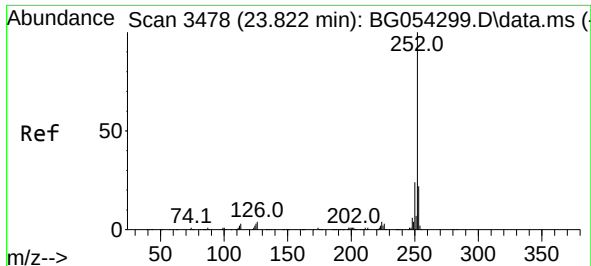
Tgt Ion:264 Resp: 154246
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 23.0 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 21.886 ng
RT: 28.517 min Scan# 4345
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:276 Resp: 256815
Ion Ratio Lower Upper
276 100
138 6.7 5.0 7.4
277 23.1 20.3 30.5

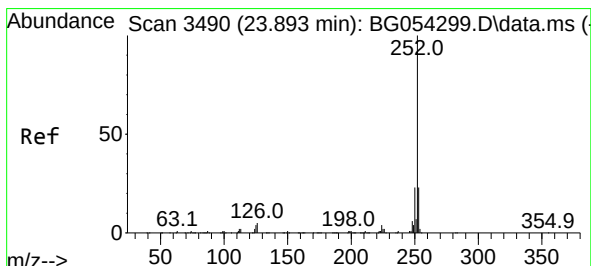
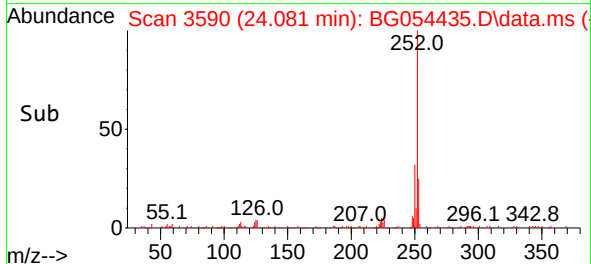
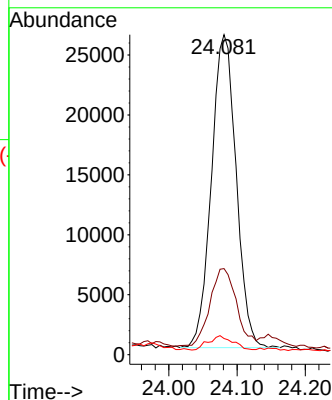
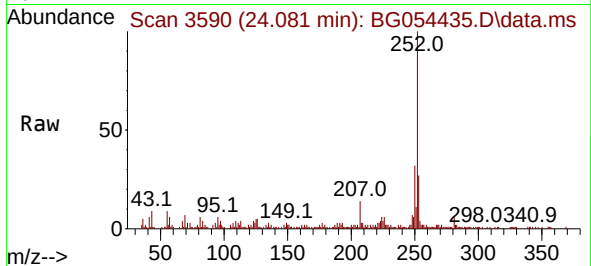




#88
Benzo(b)fluoranthene
Concen: 7.222 ng
RT: 24.081 min Scan# 3590
Delta R.T. 0.258 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

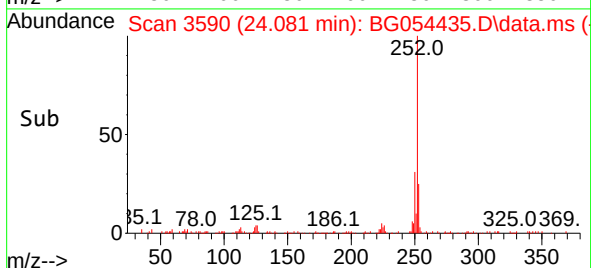
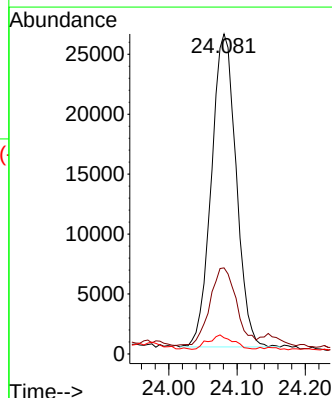
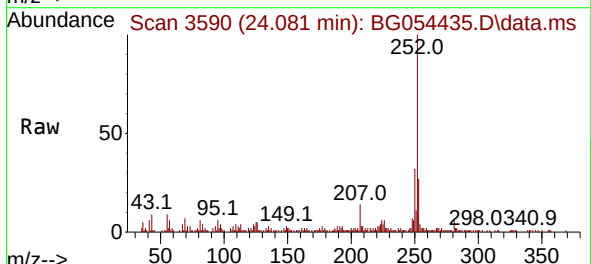
Instrument :
BNA_G
ClientSampleId :
RVE-1

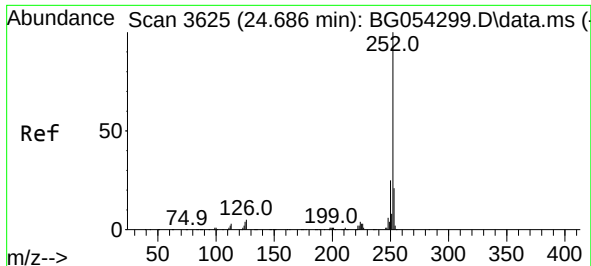
Tgt Ion:252	Resp:	65883
Ion Ratio	Lower	Upper
252	100	
253	26.9	18.0 27.0
125	5.1	4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 7.257 ng
RT: 24.081 min Scan# 3590
Delta R.T. 0.194 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:252	Resp:	65883
Ion Ratio	Lower	Upper
252	100	
253	26.9	18.4 27.6
125	5.1	4.8 7.2

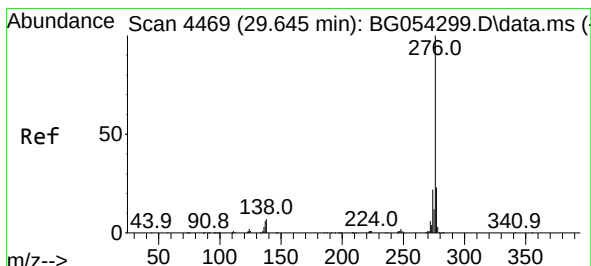
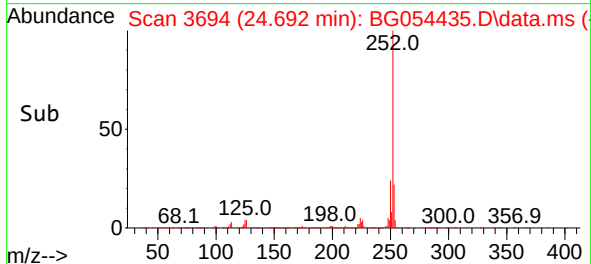
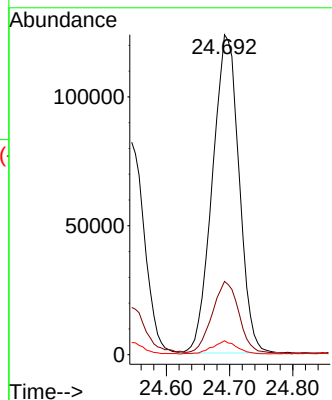
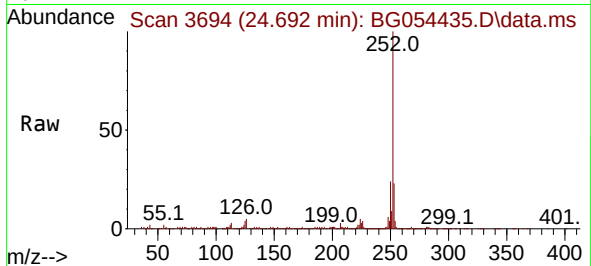




#90
Benzo(a)pyrene
Concen: 46.388 ng
RT: 24.692 min Scan# 30
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Instrument :
BNA_G
ClientSampleId :
RVE-1

Tgt Ion:252 Resp: 361369
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 4.4 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 25.830 ng
RT: 29.663 min Scan# 4540
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:276 Resp: 245982
Ion Ratio Lower Upper
276 100
277 23.7 17.3 25.9
138 6.7 9.6 14.4#

