

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054566.D
 Acq On : 9 Aug 2022 12:12
 Operator : CG/JU
 Sample : N3963-19
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-223

Quant Time: Aug 09 17:01:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

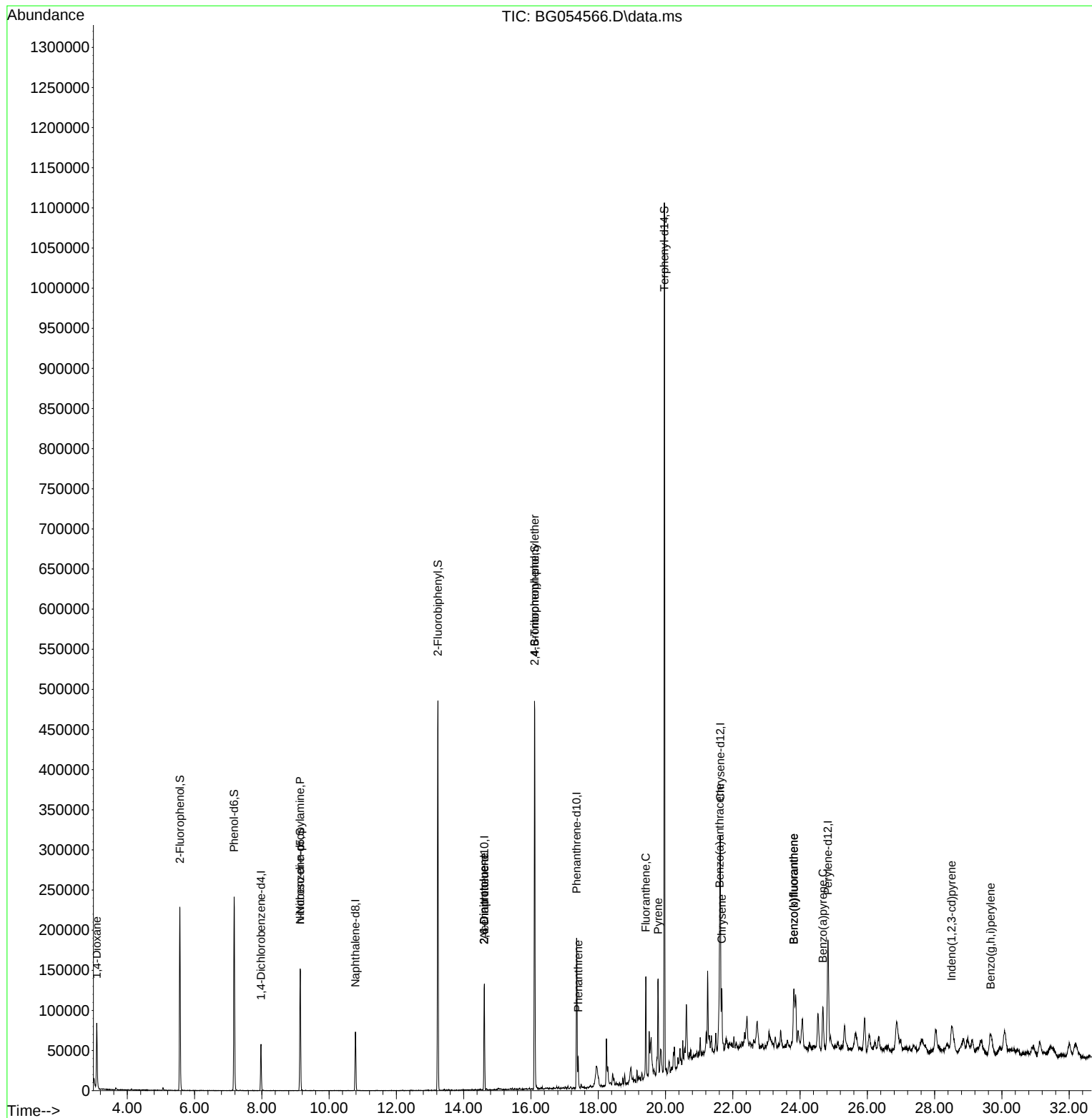
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	18029	20.000	ng	# 0.00
21) Naphthalene-d8	10.785	136	67266	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	50973	20.000	ng	0.00
64) Phenanthrene-d10	17.359	188	137450	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	154677	20.000	ng	# 0.00
86) Perylene-d12	24.827	264	164058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	106167	122.949	ng	0.00
7) Phenol-d6	7.177	99	138251	116.843	ng	0.00
23) Nitrobenzene-d5	9.139	82	93598	75.775	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	131047	122.446	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	277403	76.772	ng	0.00
79) Terphenyl-d14	19.968	244	611692	78.452	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.094	88	1123	3.269	ng	# 1
9) Benzaldehyde	7.106	77	111	Below Cal		# 47
19) n-Nitroso-di-n-propyla...	9.139	70	13570	17.175	ng	# 80
51) 2,6-Dinitrotoluene	14.609	165	7092	8.121	ng	# 16
57) 2,4-Dinitrotoluene	14.609	165	7092	5.665	ng	# 21
67) 4-Bromophenyl-phenylether	16.108	248	7999	4.144	ng	# 1
71) Phenanthrene	17.406	178	28371	4.145	ng	96
75) Fluoranthene	19.416	202	84132	9.017	ng	95
78) Pyrene	19.780	202	87682	9.879	ng	100
81) Benzo(a)anthracene	21.607	228	58632	5.971	ng	99
83) Chrysene	21.672	228	61883	6.671	ng	97
87) Indeno(1,2,3-cd)pyrene	28.505	276	54916	4.400	ng	96
88) Benzo(b)fluoranthene	23.816	252	96715	9.968	ng	97
89) Benzo(k)fluoranthene	23.816	252	96715	10.016	ng	97
90) Benzo(a)pyrene	24.680	252	65317	7.883	ng	100
92) Benzo(g,h,i)perylene	29.668	276	57581	5.685	ng	96

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

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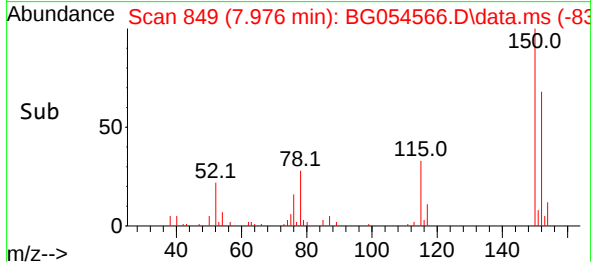
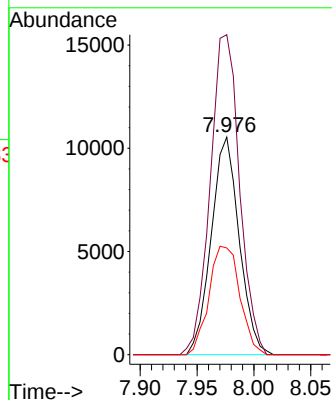
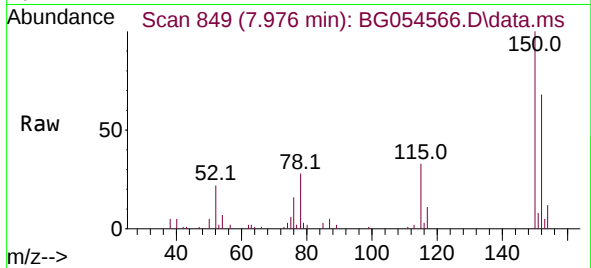




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.976 min Scan# 84
 Delta R.T. 0.004 min
 Lab File: BG054566.D
 Acq: 9 Aug 2022 12:12

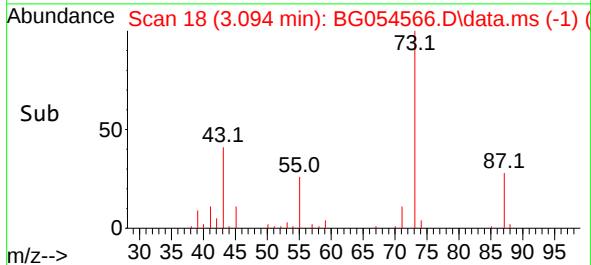
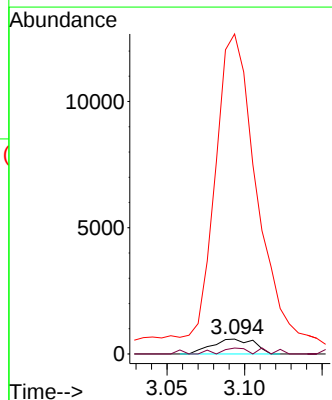
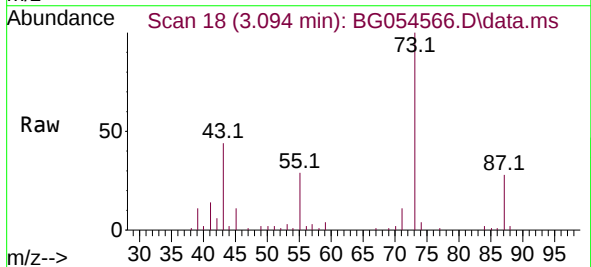
Instrument :
 BNA_G
 ClientSampleId :
 RVE-223

Tgt Ion:152 Resp: 18029
 Ion Ratio Lower Upper
 152 100
 150 147.0 131.6 197.4
 115 49.0 50.9 76.3#



#2
 1,4-Dioxane
 Concen: 3.269 ng
 RT: 3.094 min Scan# 18
 Delta R.T. -0.302 min
 Lab File: BG054566.D
 Acq: 9 Aug 2022 12:12

Tgt Ion: 88 Resp: 1123
 Ion Ratio Lower Upper
 88 100
 58 24.1 59.2 88.8#
 43 2093.8 24.3 36.5#

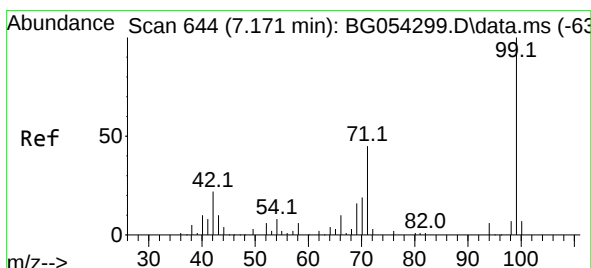
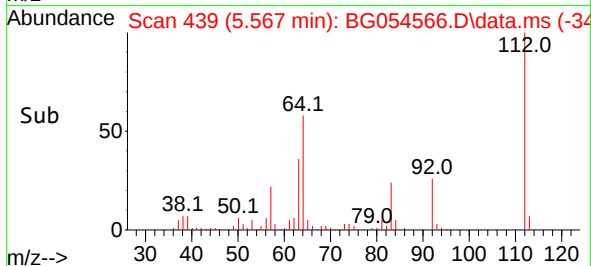
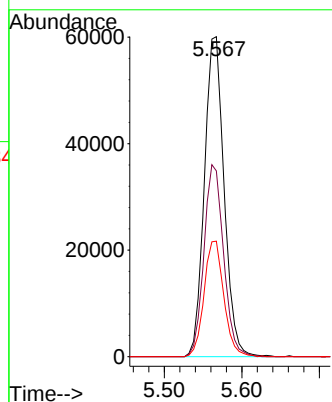
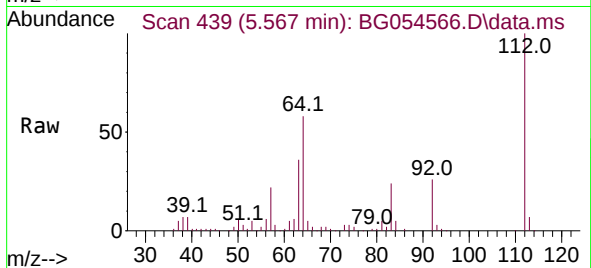




#5
2-Fluorophenol
Concen: 122.949 ng
RT: 5.567 min Scan# 41
Delta R.T. 0.004 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

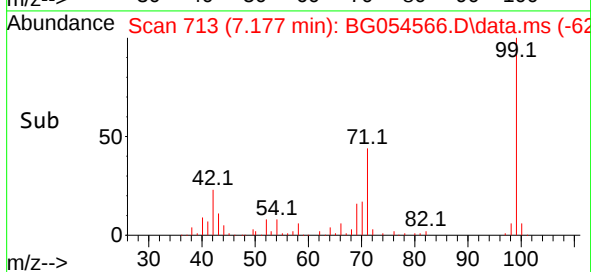
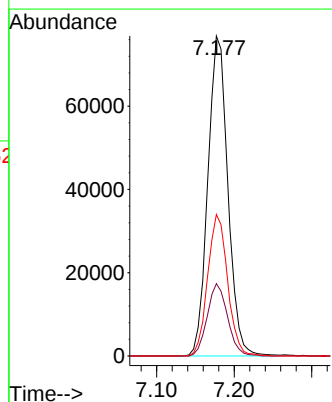
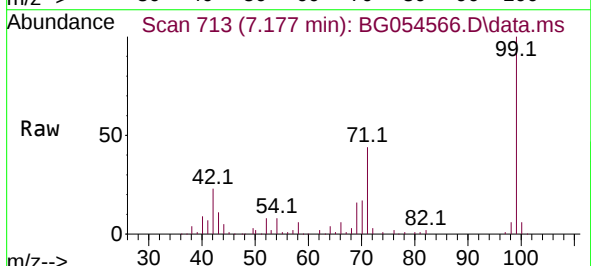
Instrument :
BNA_G
ClientSampleId :
RVE-223

Tgt Ion:112 Resp: 106167
Ion Ratio Lower Upper
112 100
64 58.1 55.1 82.7
63 36.1 30.4 45.6



#7
Phenol-d6
Concen: 116.843 ng
RT: 7.177 min Scan# 713
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Tgt Ion: 99 Resp: 138251
Ion Ratio Lower Upper
99 100
42 22.6 17.0 25.6
71 44.2 33.8 50.8

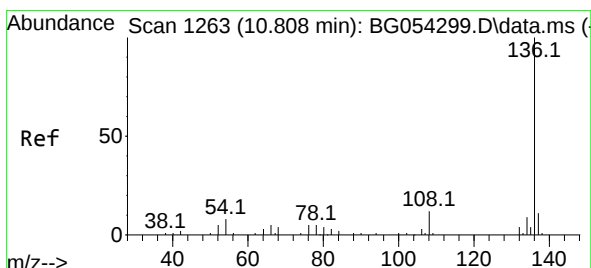
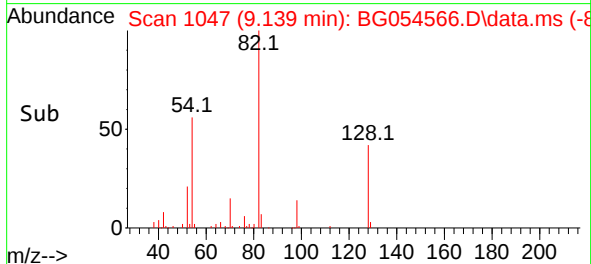
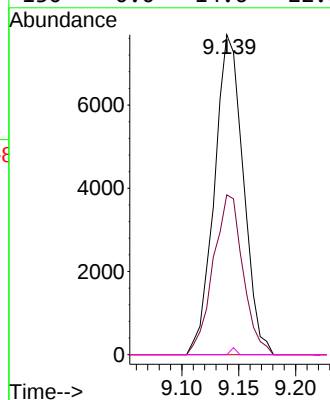
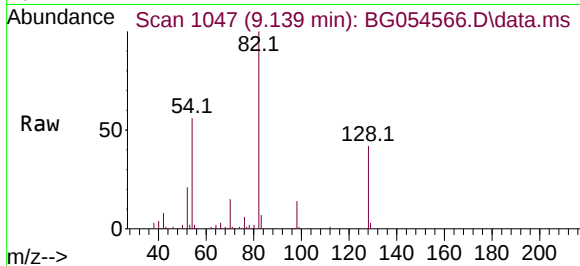




#19
n-Nitroso-di-n-propylamine
Concen: 17.175 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.356 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

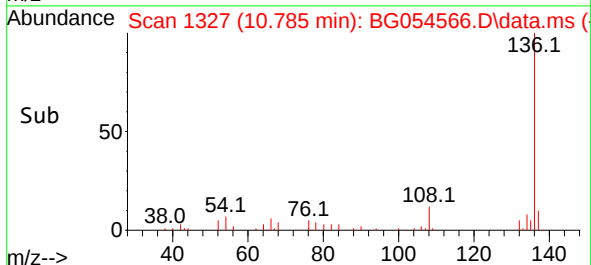
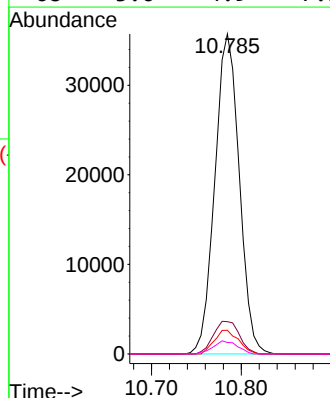
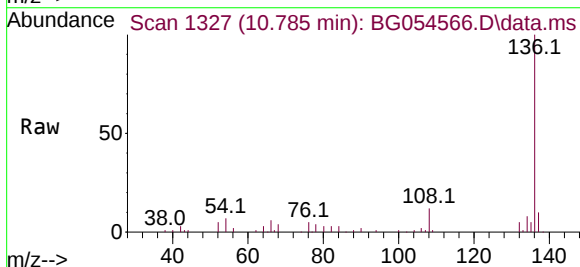
Instrument :
BNA_G
ClientSampleId :
RVE-223

Tgt Ion:	70	Resp:	13570
Ion	Ratio	Lower	Upper
70	100		
42	50.0	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: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Tgt Ion:	136	Resp:	67266
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.5	12.7
54	7.4	7.4	11.2#
68	3.6	4.9	7.3#

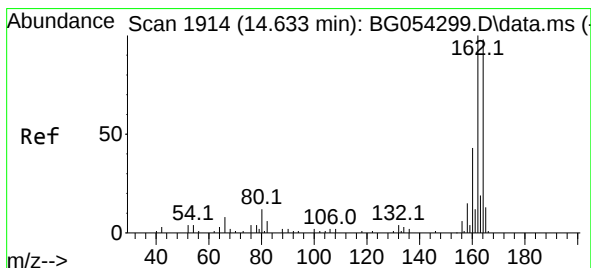
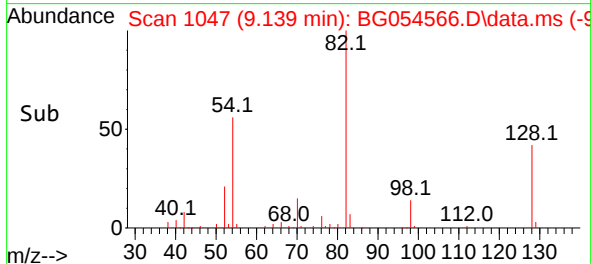
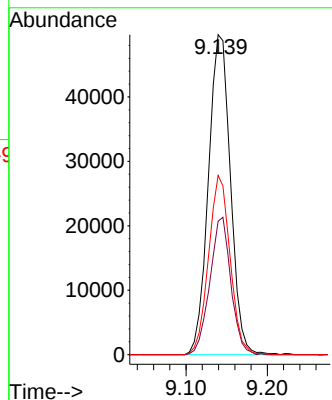
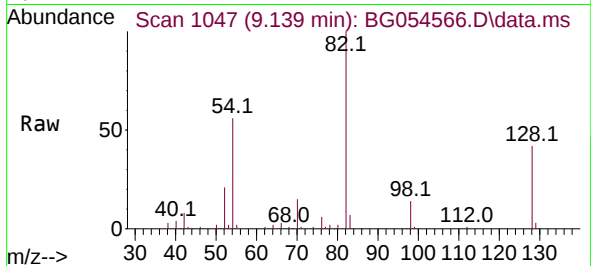




#23
Nitrobenzene-d5
Concen: 75.775 ng
RT: 9.139 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

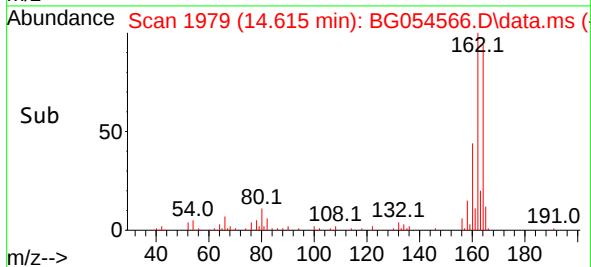
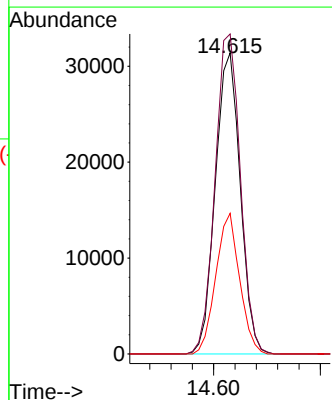
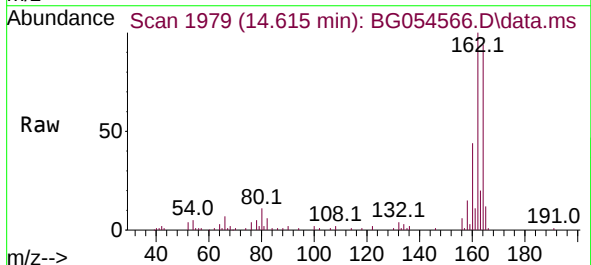
Instrument :
BNA_G
ClientSampleId :
RVE-223

Tgt Ion: 82 Resp: 93598
Ion Ratio Lower Upper
82 100
128 41.7 27.9 41.9
54 56.0 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Tgt Ion:164 Resp: 50973
Ion Ratio Lower Upper
164 100
162 106.3 82.3 123.5
160 46.7 34.2 51.2

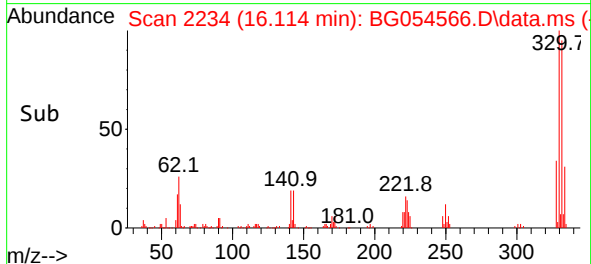
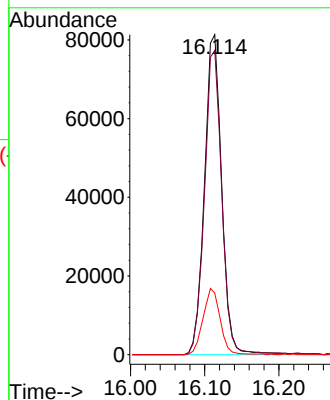
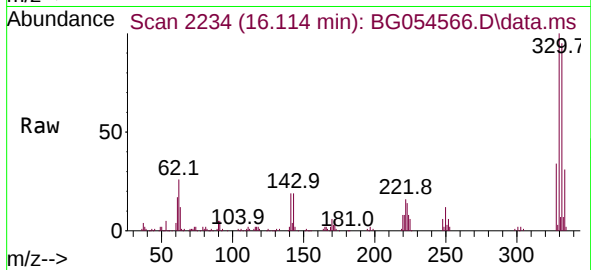




#42
2,4,6-Tribromophenol
Concen: 122.446 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

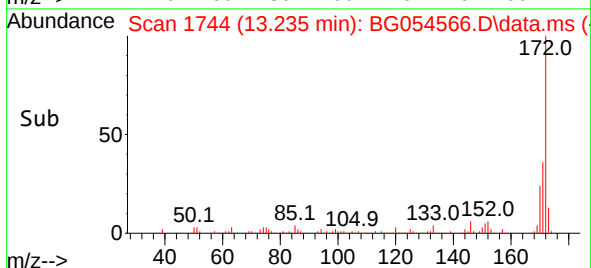
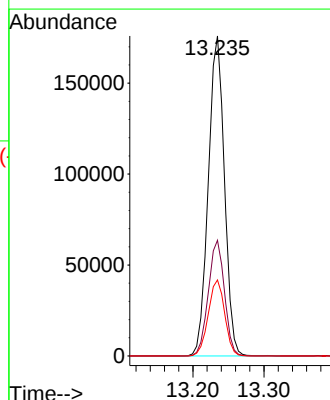
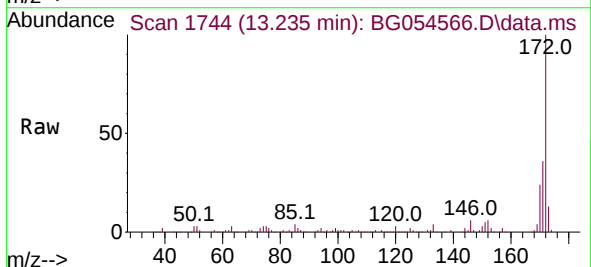
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BNA_G
ClientSampleId :
RVE-223

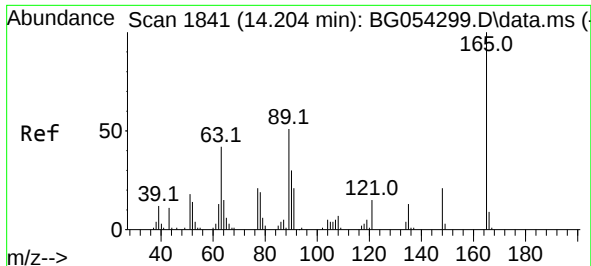
Tgt Ion:330 Resp: 131047
Ion Ratio Lower Upper
330 100
332 95.1 76.0 114.0
141 20.6 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 76.772 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Tgt Ion:172 Resp: 277403
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 23.8 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.121 ng

RT: 14.609 min Scan# 1978

Delta R.T. 0.415 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

RVE-223

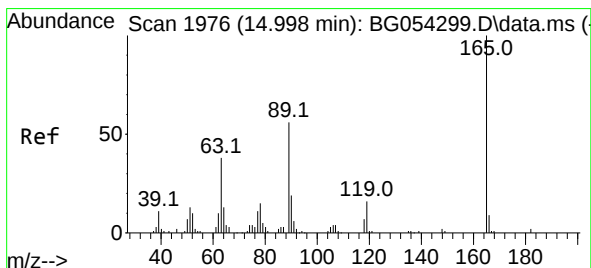
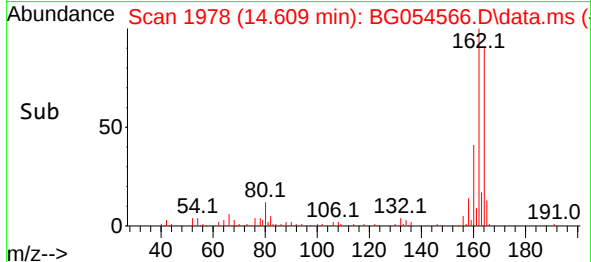
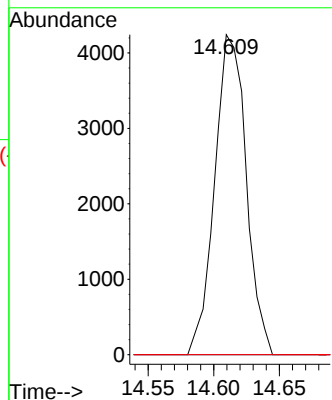
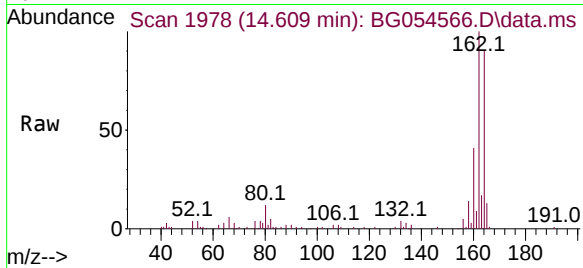
Tgt Ion:165 Resp: 7092

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: 5.665 ng

RT: 14.609 min Scan# 1978

Delta R.T. -0.384 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

Tgt Ion:165 Resp: 7092

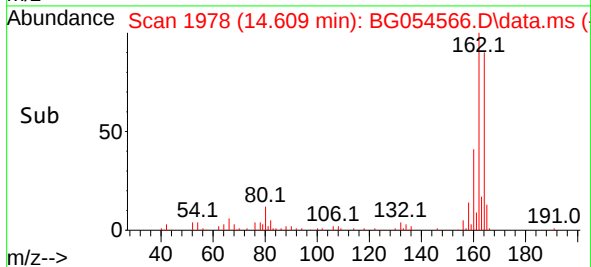
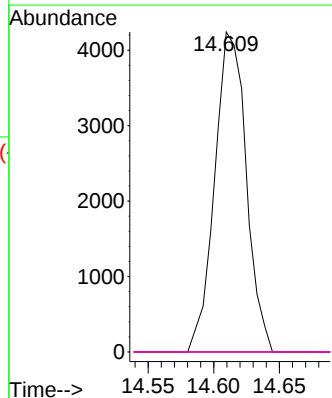
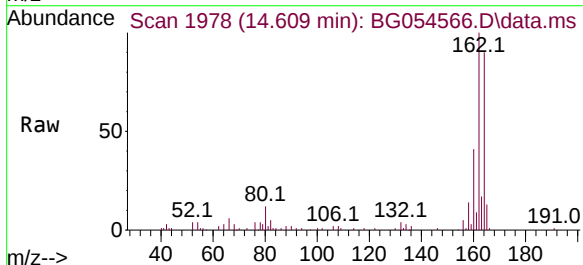
Ion Ratio Lower Upper

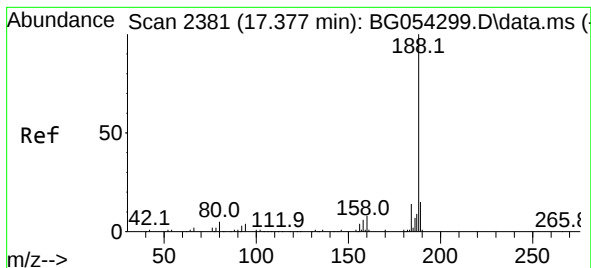
165 100

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: 17.359 min Scan# 2446

Delta R.T. -0.002 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

RVE-223

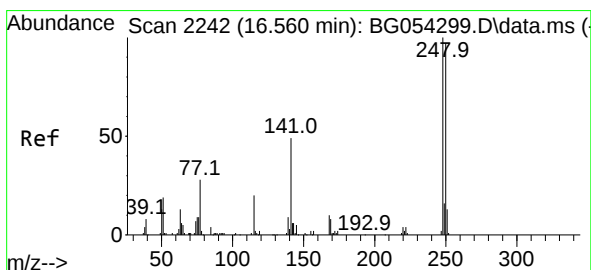
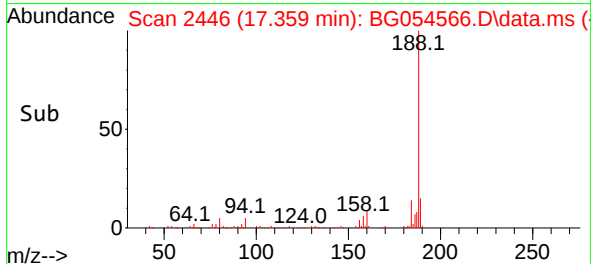
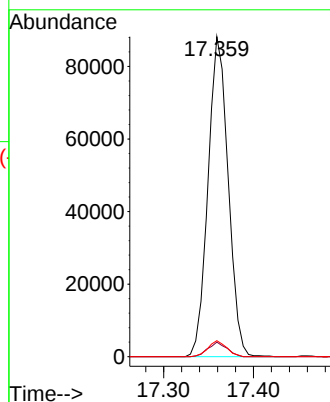
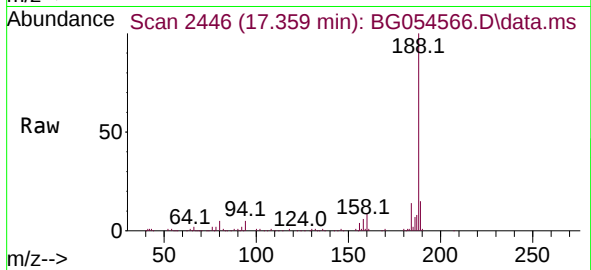
Tgt Ion:188 Resp: 137450

Ion Ratio Lower Upper

188 100

94 4.5 5.4 8.0#

80 5.0 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 4.144 ng

RT: 16.108 min Scan# 2233

Delta R.T. -0.437 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

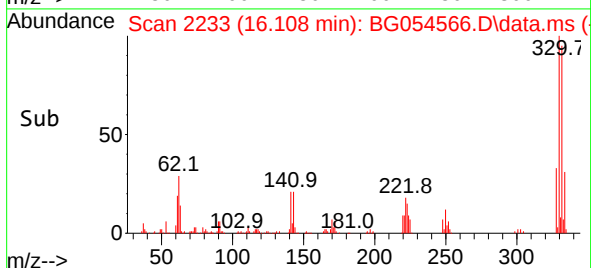
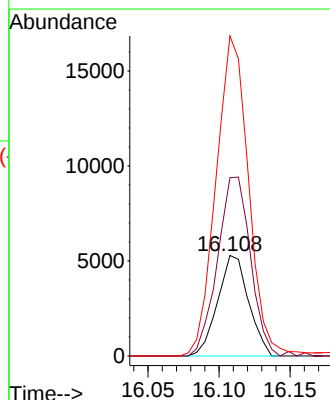
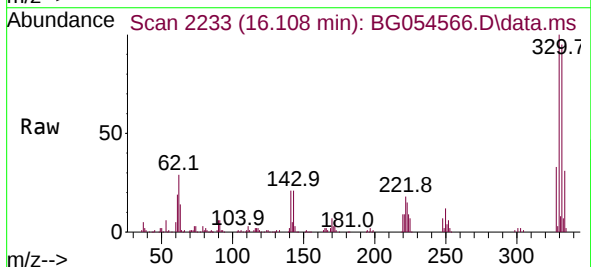
Tgt Ion:248 Resp: 7999

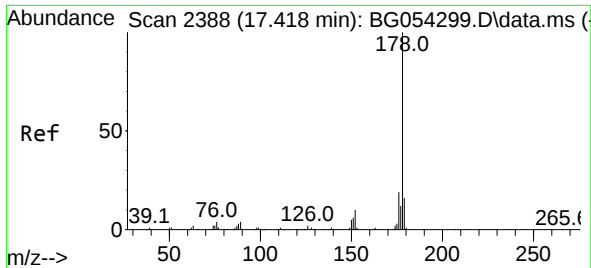
Ion Ratio Lower Upper

248 100

250 177.6 75.2 112.8#

141 318.6 50.0 75.0#

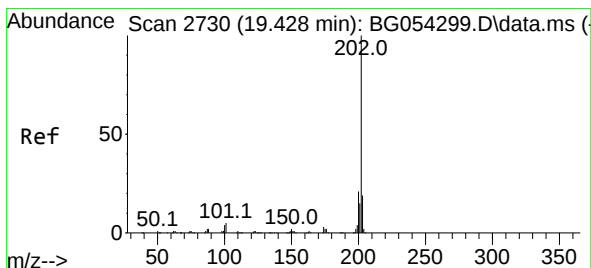
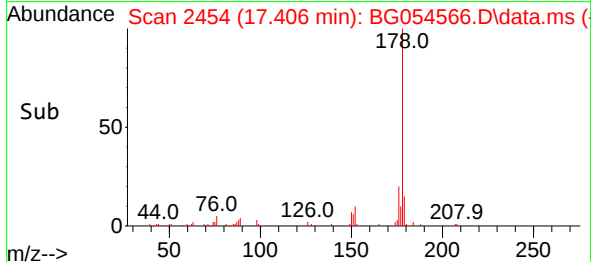
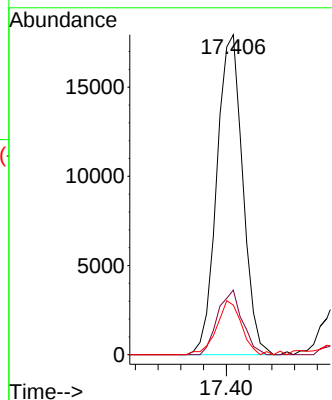
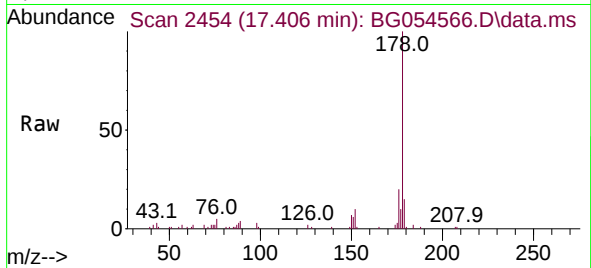




#71
Phenanthrene
Concen: 4.145 ng
RT: 17.406 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

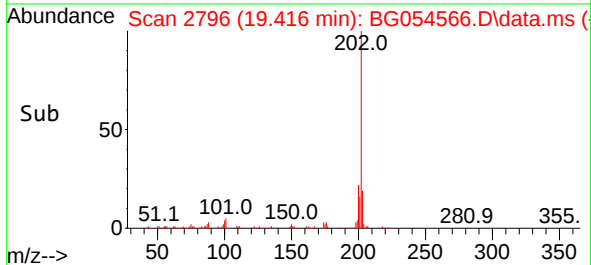
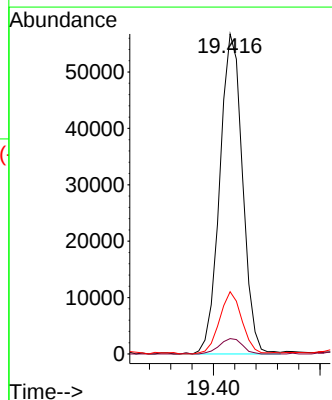
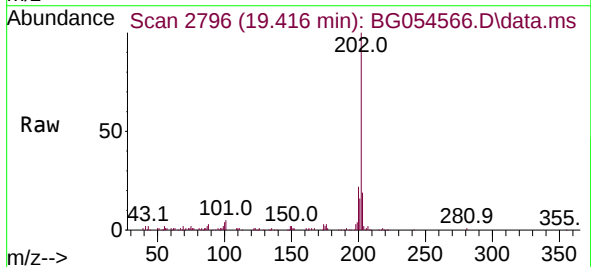
Instrument :
BNA_G
ClientSampleId :
RVE-223

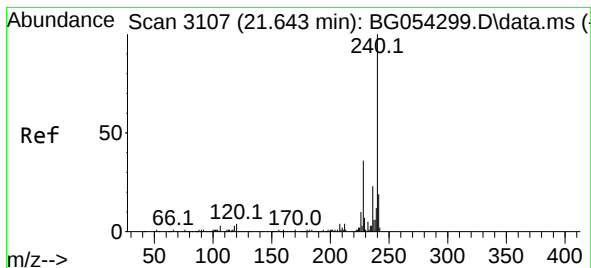
Tgt Ion:178 Resp: 28371
Ion Ratio Lower Upper
178 100
176 20.2 14.1 21.1
179 15.5 12.1 18.1



#75
Fluoranthene
Concen: 9.017 ng
RT: 19.416 min Scan# 2796
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Tgt Ion:202 Resp: 84132
Ion Ratio Lower Upper
202 100
101 4.8 0.0 26.9
203 19.5 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.631 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

RVE-223

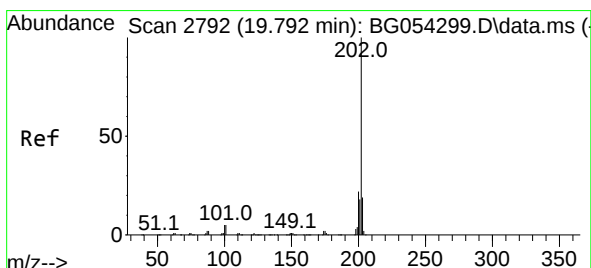
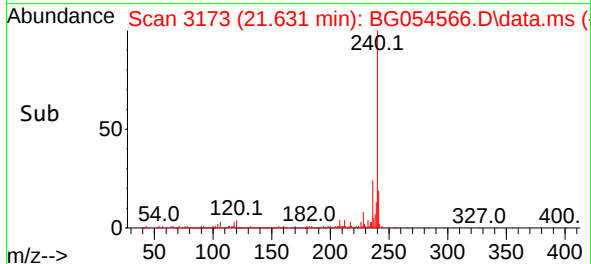
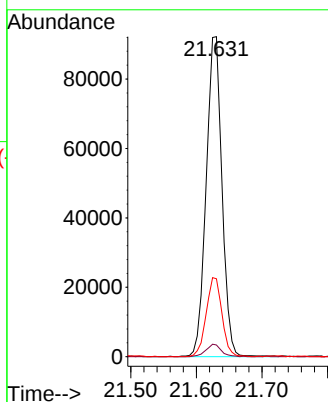
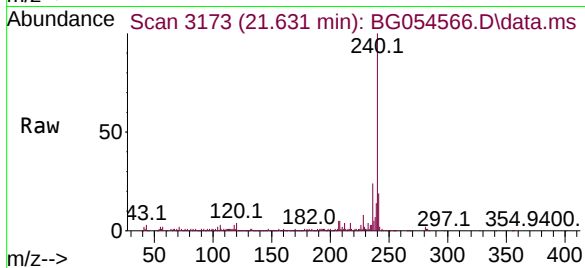
Tgt Ion:240 Resp: 154677

Ion Ratio Lower Upper

240 100

120 3.6 4.6 7.0#

236 24.4 20.2 30.4



#78

Pyrene

Concen: 9.879 ng

RT: 19.780 min Scan# 2858

Delta R.T. -0.002 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

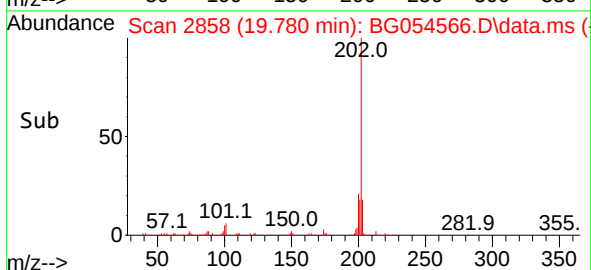
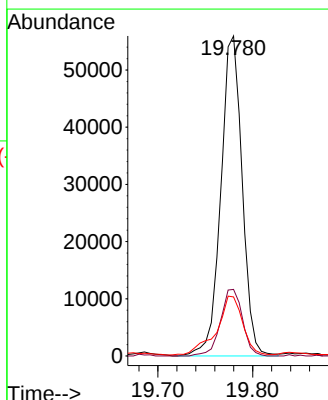
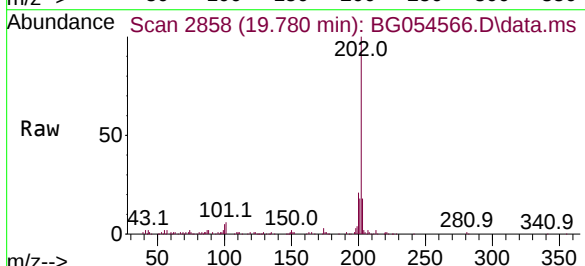
Tgt Ion:202 Resp: 87682

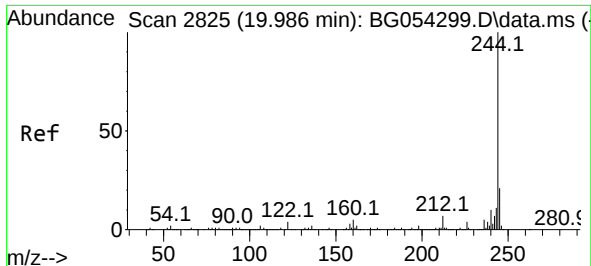
Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

203 18.5 14.6 21.8

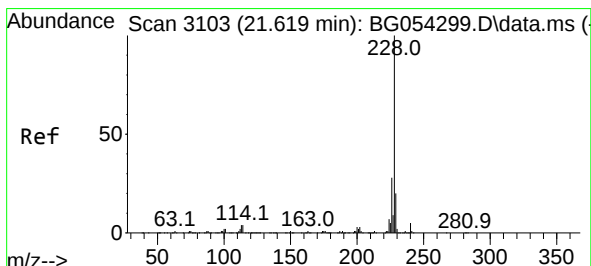
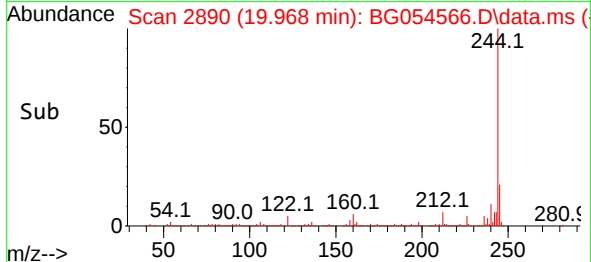
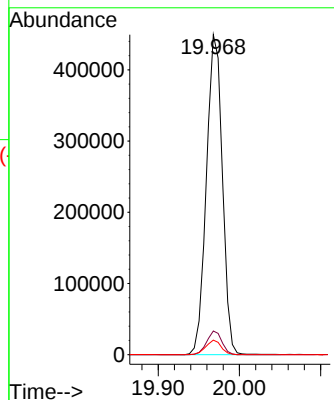
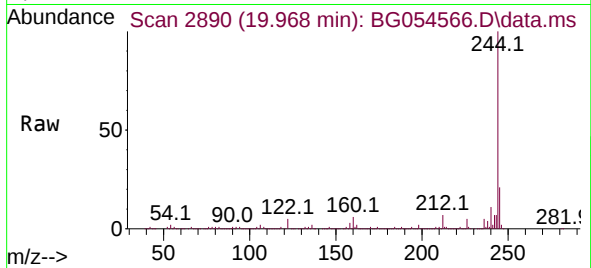




#79
 Terphenyl-d14
 Concen: 78.452 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054566.D
 Acq: 9 Aug 2022 12:12

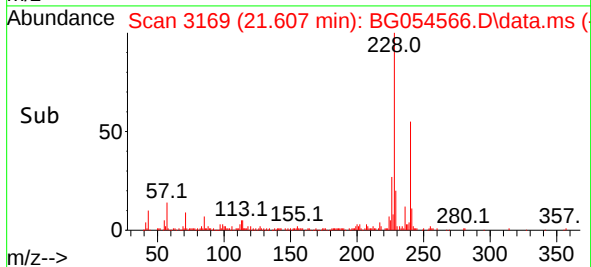
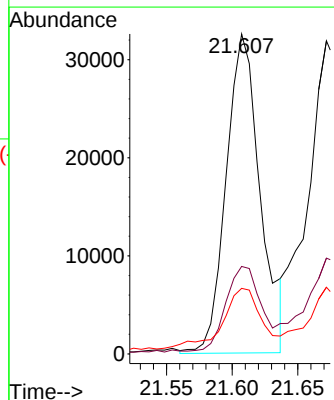
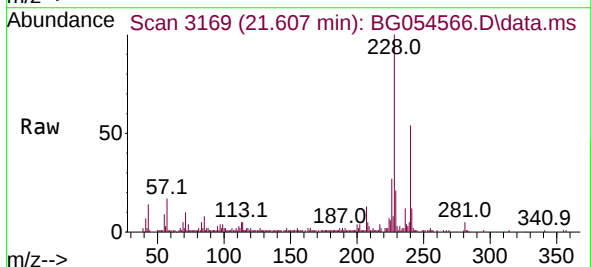
Instrument :
 BNA_G
 ClientSampleId :
 RVE-223

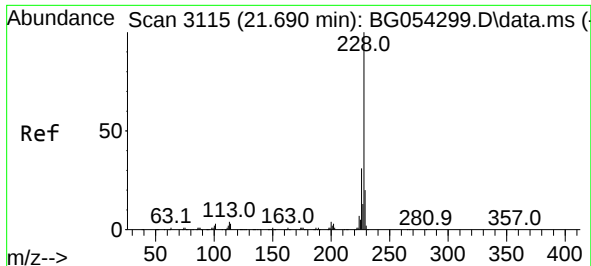
Tgt Ion:244 Resp: 611692
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 5.971 ng
 RT: 21.607 min Scan# 3169
 Delta R.T. -0.008 min
 Lab File: BG054566.D
 Acq: 9 Aug 2022 12:12

Tgt Ion:228 Resp: 58632
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.6 32.4
 229 20.5 16.2 24.2

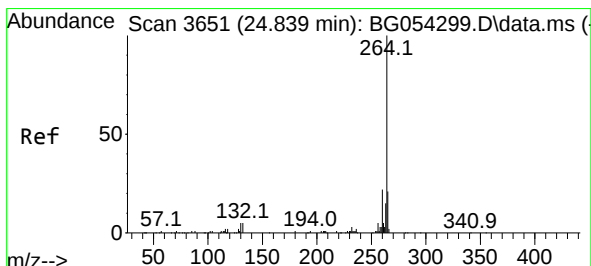
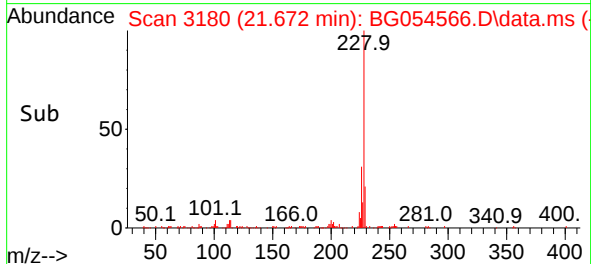
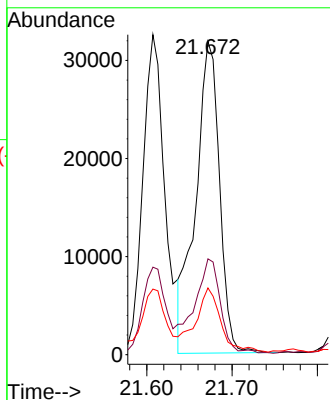
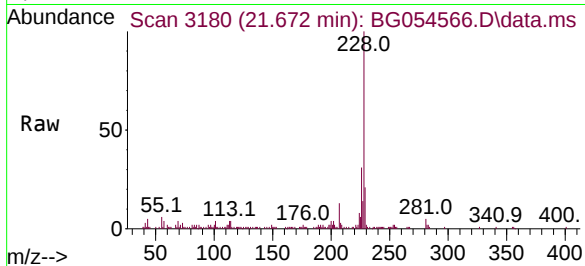




#83
Chrysene
Concen: 6.671 ng
RT: 21.672 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

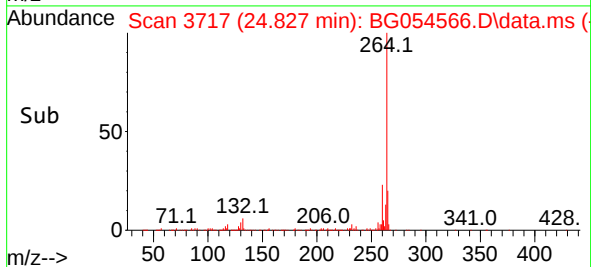
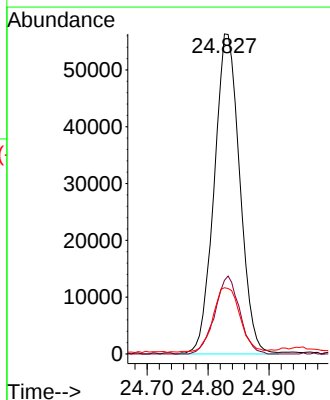
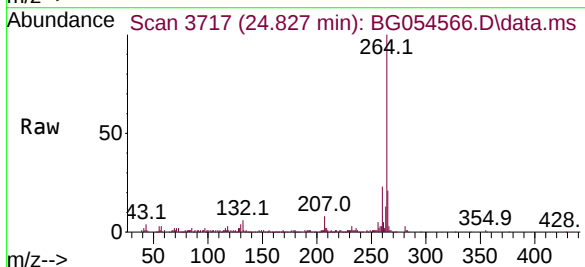
Instrument :
BNA_G
ClientSampleId :
RVE-223

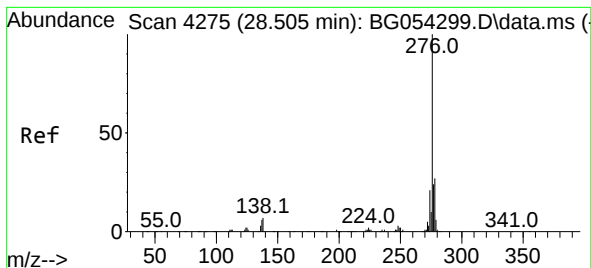
Tgt Ion:228 Resp: 61883
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 21.3 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.827 min Scan# 3717
Delta R.T. -0.008 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Tgt Ion:264 Resp: 164058
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 20.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.400 ng

RT: 28.505 min Scan# 41

Delta R.T. -0.026 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

RVE-223

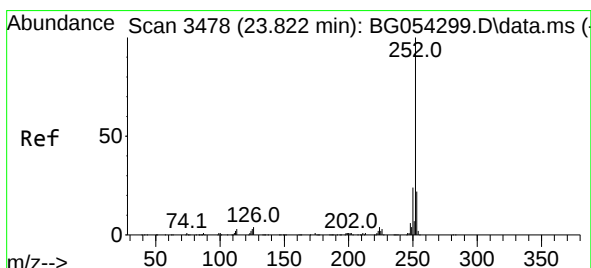
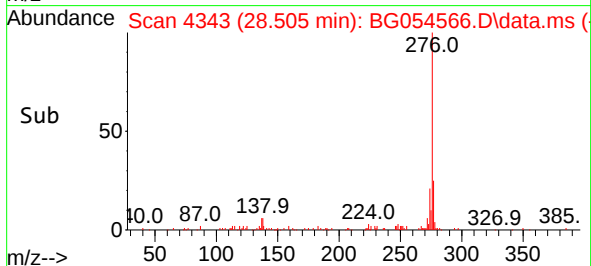
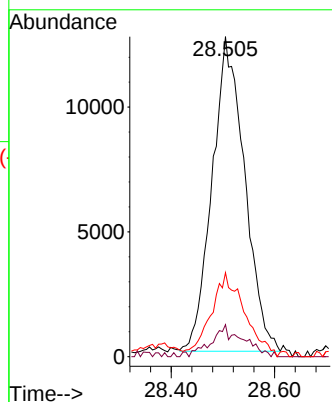
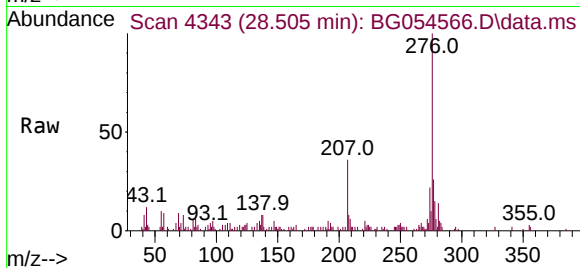
Tgt Ion:276 Resp: 54916

Ion Ratio Lower Upper

276 100

138 5.7 5.0 7.4

277 27.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.968 ng

RT: 23.816 min Scan# 3545

Delta R.T. -0.002 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

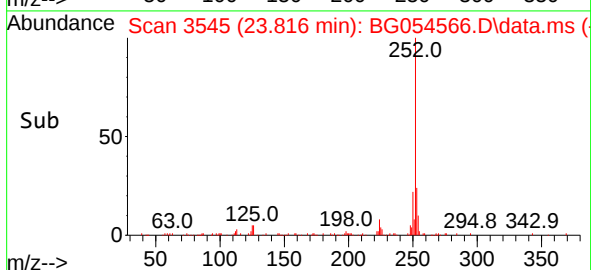
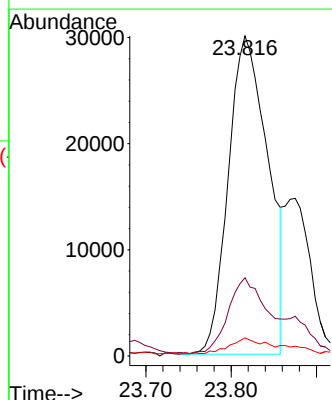
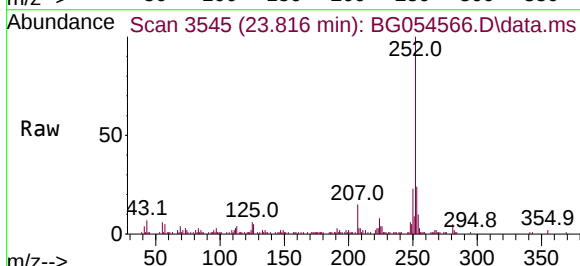
Tgt Ion:252 Resp: 96715

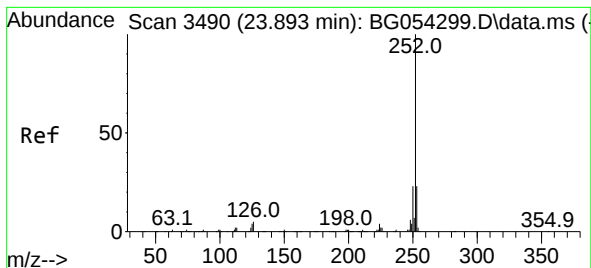
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 5.7 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 10.016 ng

RT: 23.816 min Scan# 3

Delta R.T. -0.067 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

RVE-223

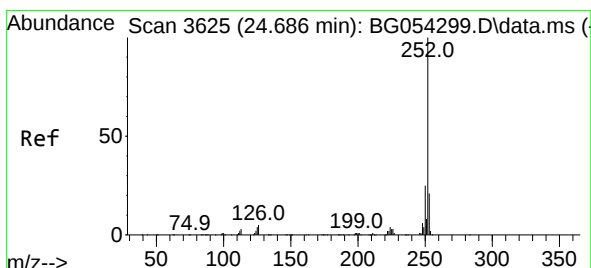
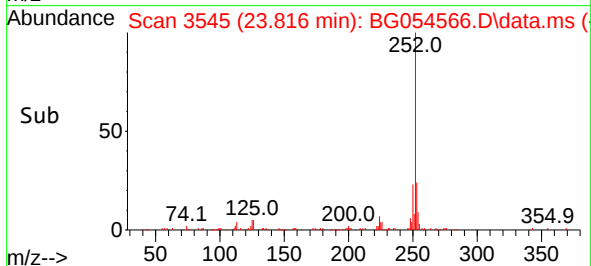
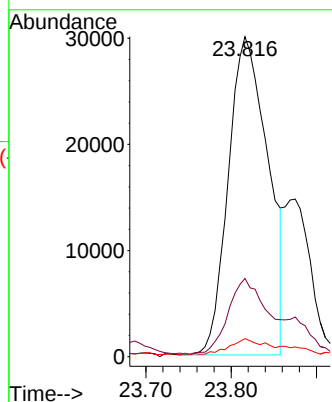
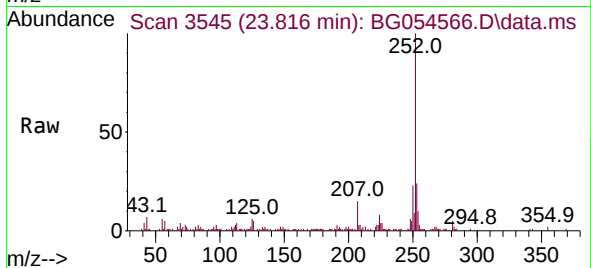
Tgt Ion:252 Resp: 96715

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

125 5.7 4.8 7.2



#90

Benzo(a)pyrene

Concen: 7.883 ng

RT: 24.680 min Scan# 3692

Delta R.T. -0.008 min

Lab File: BG054566.D

Acq: 9 Aug 2022 12:12

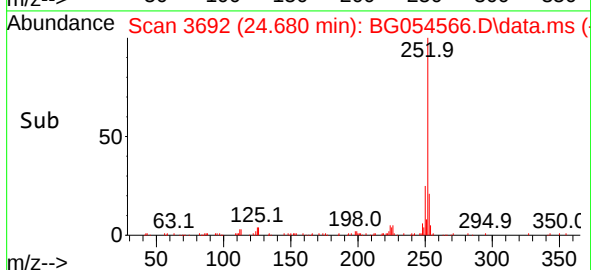
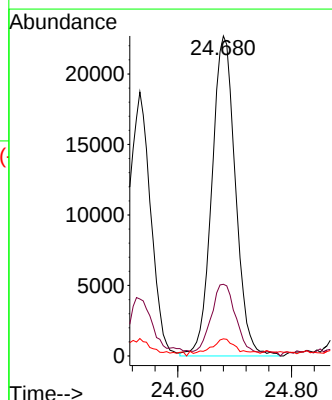
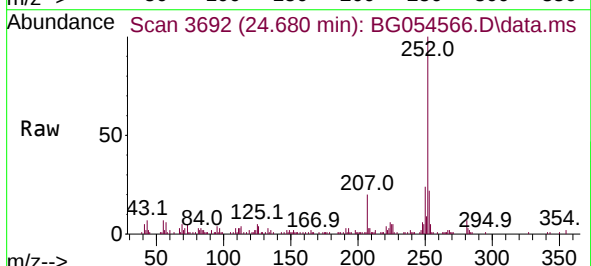
Tgt Ion:252 Resp: 65317

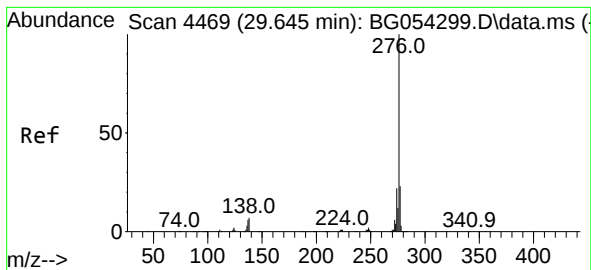
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 5.4 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 5.685 ng

RT: 29.668 min Scan# 4

Delta R.T. -0.008 min

Lab File: BG054566.D

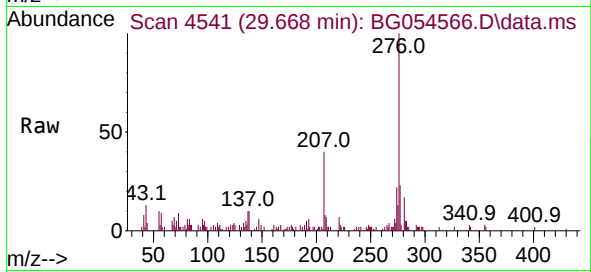
Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

RVE-223



Tgt Ion:276 Resp: 57581

Ion Ratio Lower Upper

276 100

277 23.0 17.3 25.9

138 9.9 9.6 14.4

