

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054568.D
 Acq On : 9 Aug 2022 13:37
 Operator : CG/JU
 Sample : N3963-18
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-222

Quant Time: Aug 09 17:02:39 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)

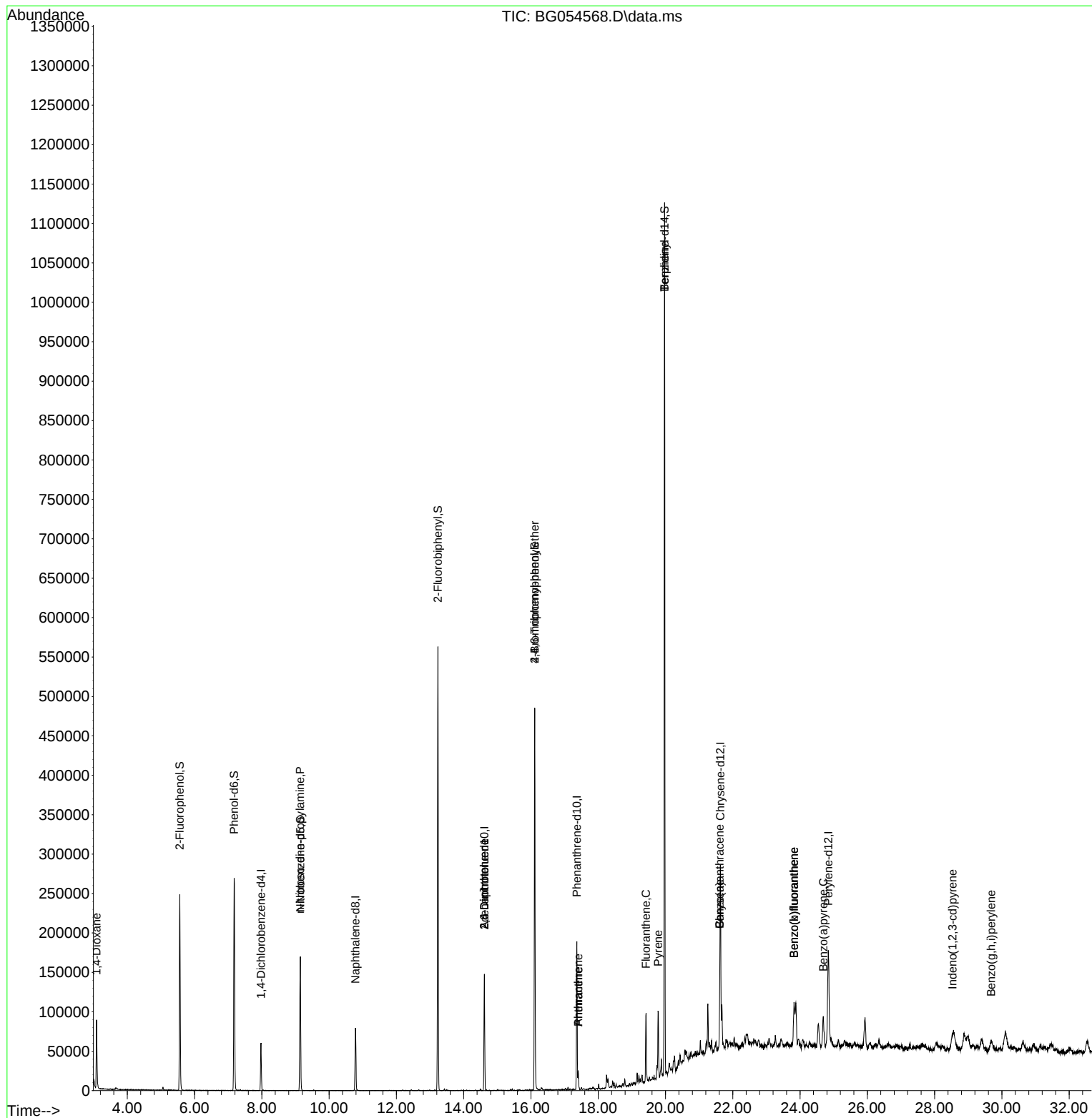
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	18700	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	74798	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	56261	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	133744	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	147934	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	156898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	112152	125.219	ng	0.00
7) Phenol-d6	7.177	99	158084	128.811	ng	0.00
23) Nitrobenzene-d5	9.145	82	107682	78.398	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	129120	109.306	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	324674	81.409	ng	0.00
79) Terphenyl-d14	19.973	244	623868	83.661	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.087	88	796	2.234	ng	# 1
9) Benzaldehyde	7.182	77	220	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.139	70	15536	18.957	ng	# 80
51) 2,6-Dinitrotoluene	14.615	165	7924	8.221	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	7924	5.734	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	8013	4.266	ng	# 1
71) Phenanthrene	17.406	178	17315	2.600	ng	97
72) Anthracene	17.406	178	17315	2.649	ng	98
75) Fluoranthene	19.421	202	62030	6.832	ng	96
77) Benzidine	19.973	184	7975	2.977	ng	# 88
78) Pyrene	19.779	202	61054	7.193	ng	98
81) Benzo(a)anthracene	21.613	228	35702	3.802	ng	97
83) Chrysene	21.613	228	35702	4.024	ng	97
87) Indeno(1,2,3-cd)pyrene	28.534	276	33339	2.793	ng	96
88) Benzo(b)fluoranthene	23.822	252	77419	8.344	ng	# 96
89) Benzo(k)fluoranthene	23.822	252	77419	8.384	ng	# 97
90) Benzo(a)pyrene	24.691	252	44269	5.587	ng	98
92) Benzo(g,h,i)perylene	29.680	276	34809	3.593	ng	95

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

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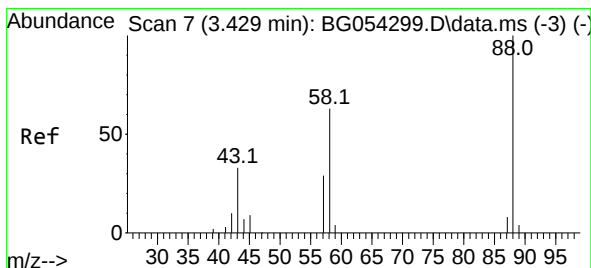
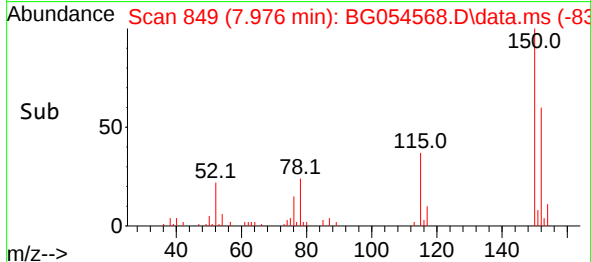
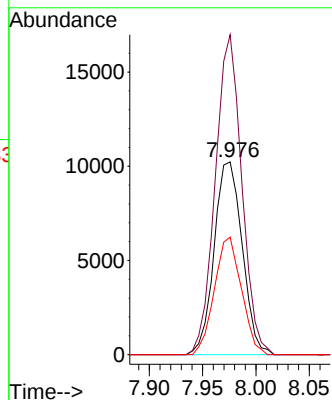
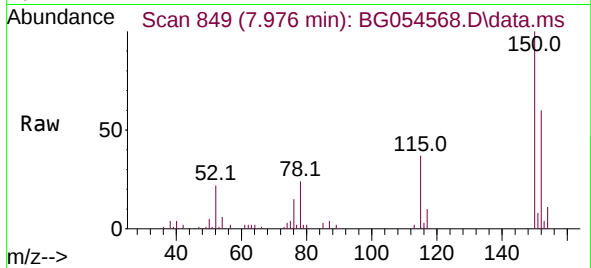




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.976 min Scan# 84
 Delta R.T. 0.004 min
 Lab File: BG054568.D
 Acq: 9 Aug 2022 13:37

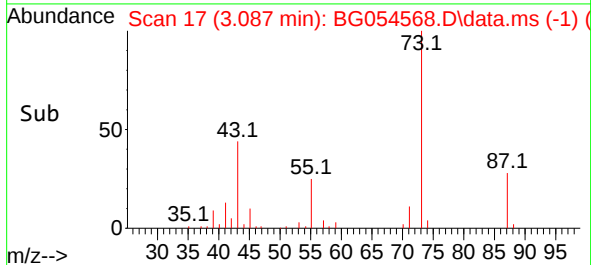
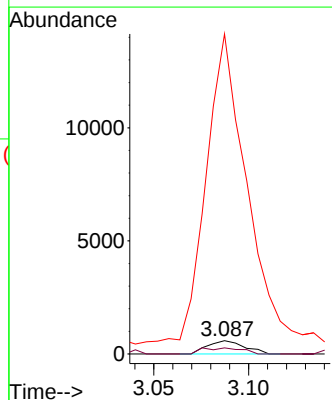
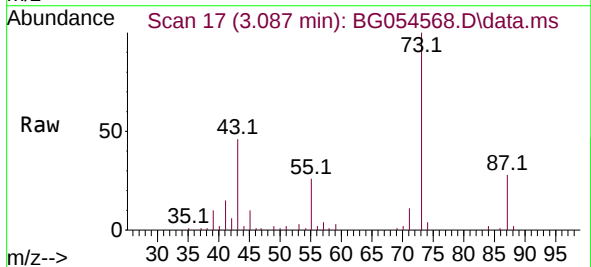
Instrument :
 BNA_G
 ClientSampleId :
 RVE-222

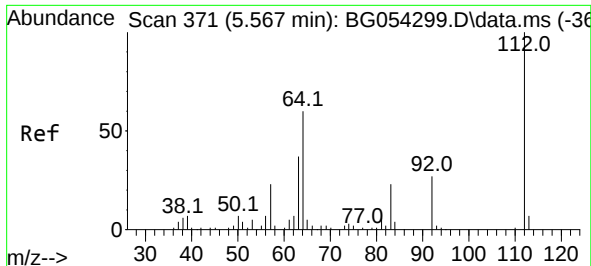
Tgt Ion:152 Resp: 18700
 Ion Ratio Lower Upper
 152 100
 150 166.0 131.6 197.4
 115 61.0 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.234 ng
 RT: 3.087 min Scan# 17
 Delta R.T. -0.308 min
 Lab File: BG054568.D
 Acq: 9 Aug 2022 13:37

Tgt Ion: 88 Resp: 796
 Ion Ratio Lower Upper
 88 100
 58 49.7 59.2 88.8#
 43 2762.6 24.3 36.5#

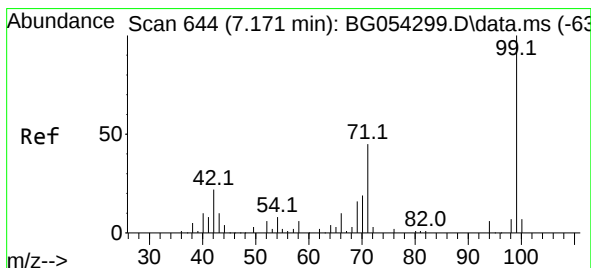
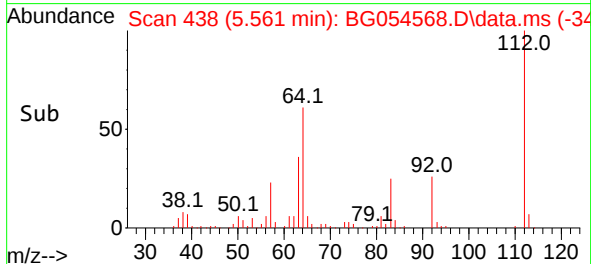
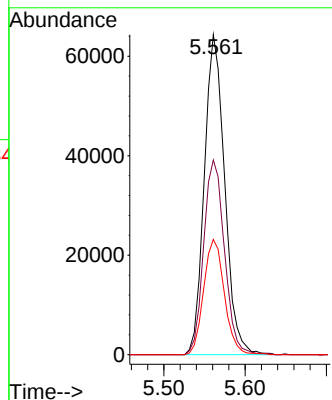
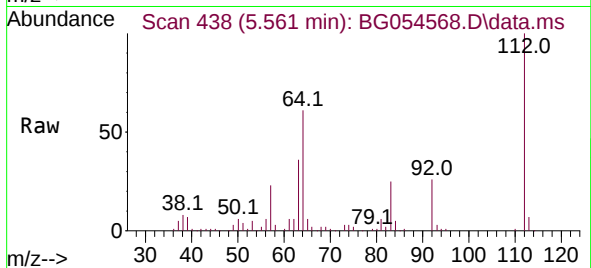




#5
2-Fluorophenol
Concen: 125.219 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

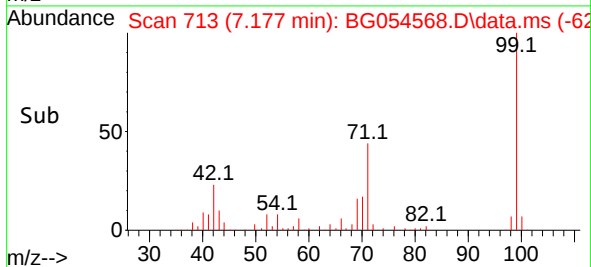
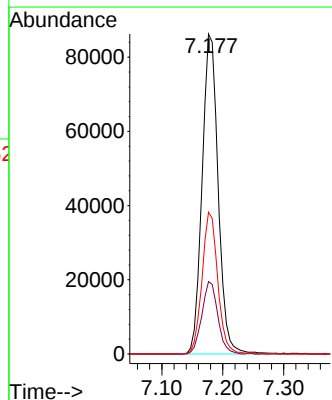
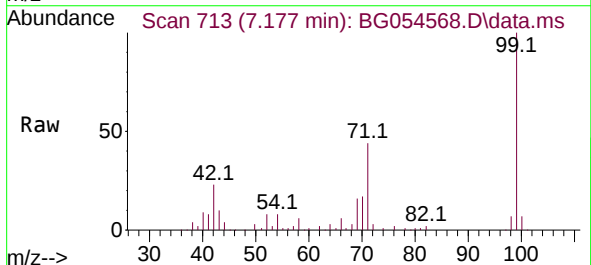
Instrument :
BNA_G
ClientSampleId :
RVE-222

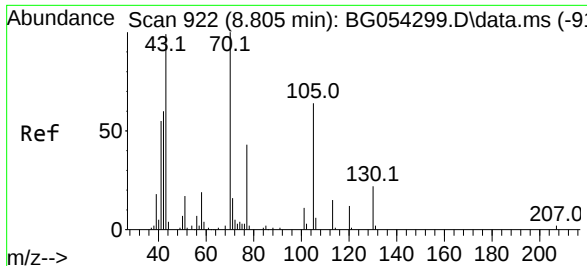
Tgt Ion:112 Resp: 112152
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 36.0 30.4 45.6



#7
Phenol-d6
Concen: 128.811 ng
RT: 7.177 min Scan# 713
Delta R.T. -0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

Tgt Ion: 99 Resp: 158084
Ion Ratio Lower Upper
99 100
42 22.6 17.0 25.6
71 44.3 33.8 50.8

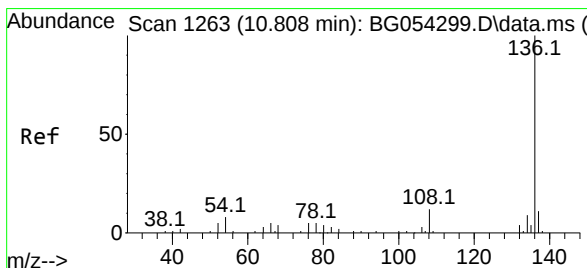
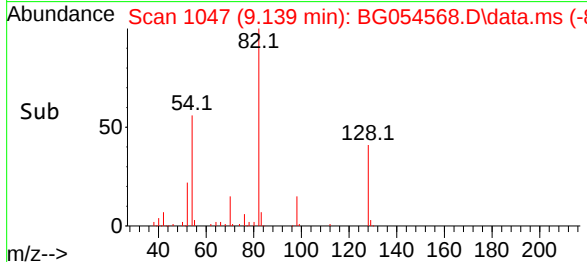
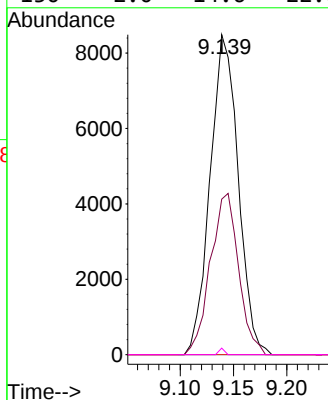
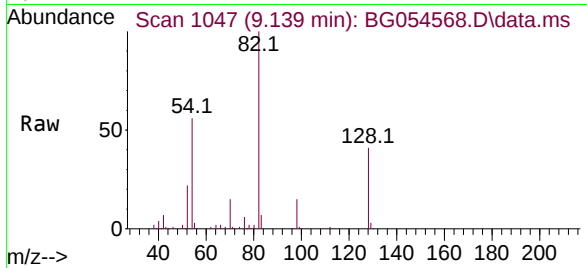




#19
n-Nitroso-di-n-propylamine
Concen: 18.957 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.356 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

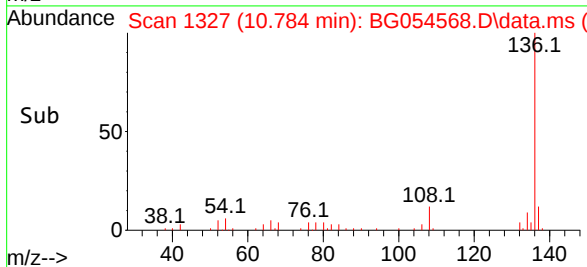
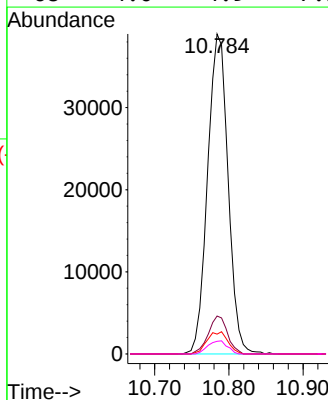
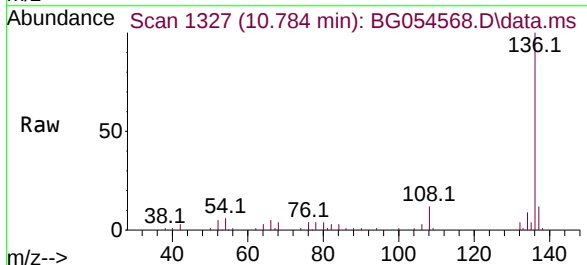
Instrument :
BNA_G
ClientSampleId :
RVE-222

Tgt Ion: 70	Resp: 15536
Ion Ratio	Lower Upper
70 100	
42 48.6	47.3 70.9
101 0.0	7.0 10.4#
130 2.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 1327
Delta R.T. -0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

Tgt Ion: 136	Resp: 74798
Ion Ratio	Lower Upper
136 100	
137 11.8	8.5 12.7
54 6.2	7.4 11.2#
68 4.0	4.9 7.3#

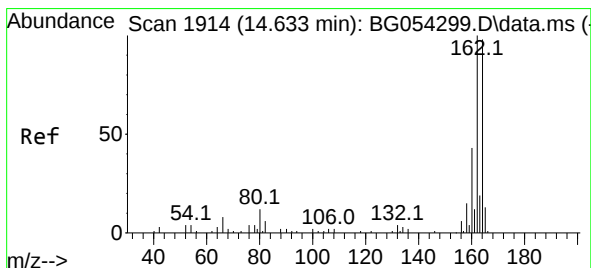
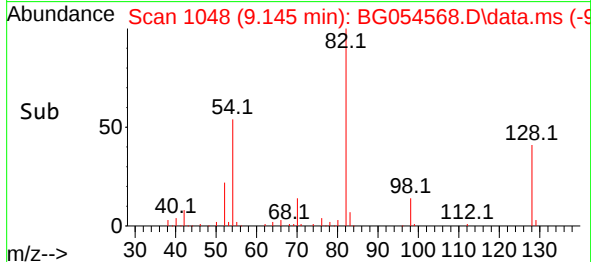
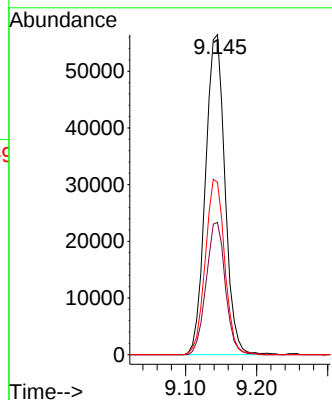
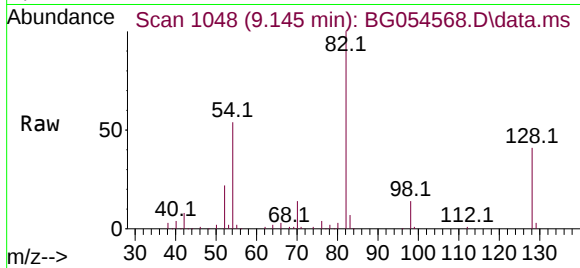




#23
Nitrobenzene-d5
Concen: 78.398 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

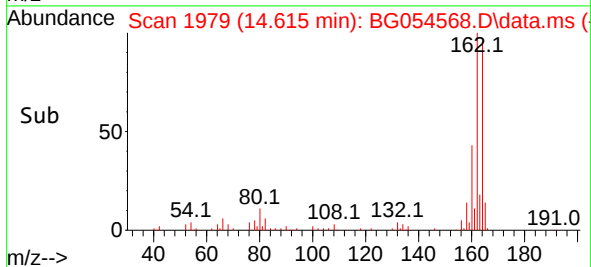
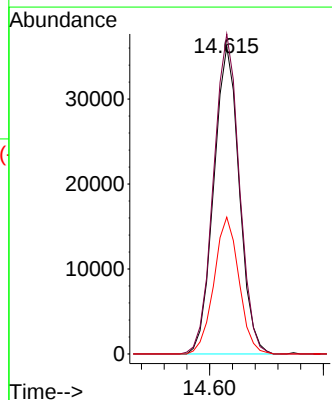
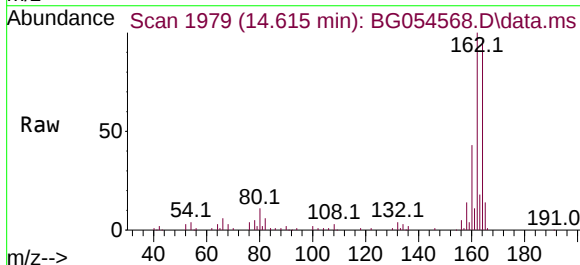
Instrument :
BNA_G
ClientSampleId :
RVE-222

Tgt Ion: 82 Resp: 107682
Ion Ratio Lower Upper
82 100
128 41.3 27.9 41.9
54 53.8 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

Tgt Ion:164 Resp: 56261
Ion Ratio Lower Upper
164 100
162 104.1 82.3 123.5
160 44.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 109.306 ng

RT: 16.113 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

Instrument :

BNA_G

ClientSampleId :

RVE-222

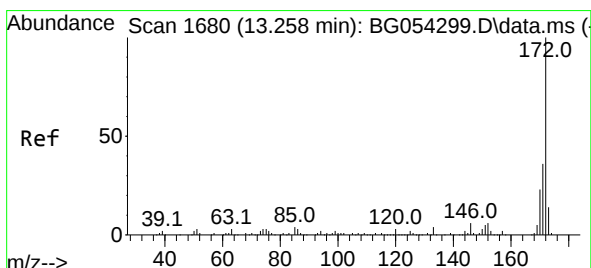
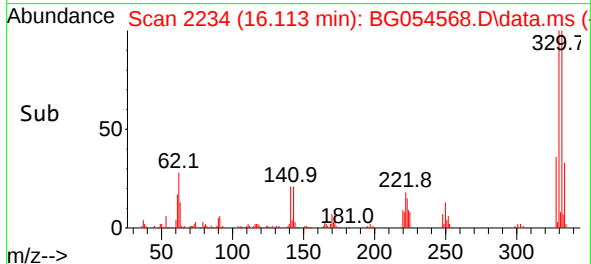
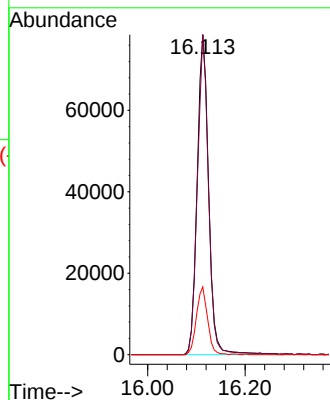
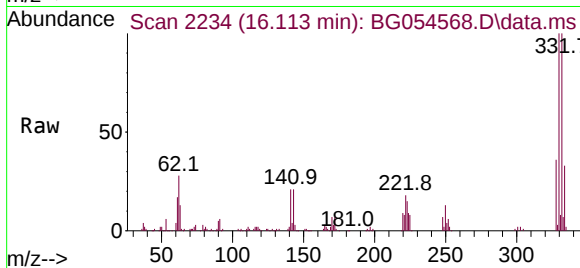
Tgt Ion:330 Resp: 129120

Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

141 20.5 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 81.409 ng

RT: 13.234 min Scan# 1744

Delta R.T. -0.003 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

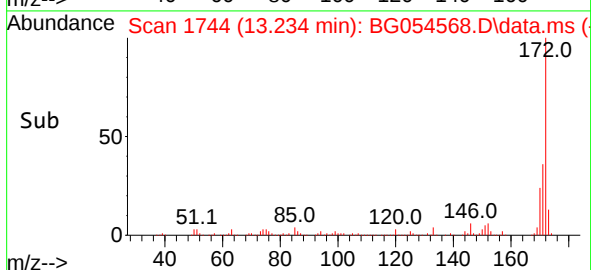
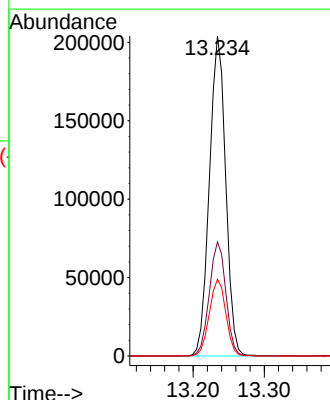
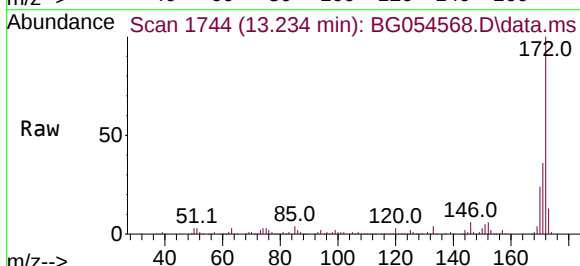
Tgt Ion:172 Resp: 324674

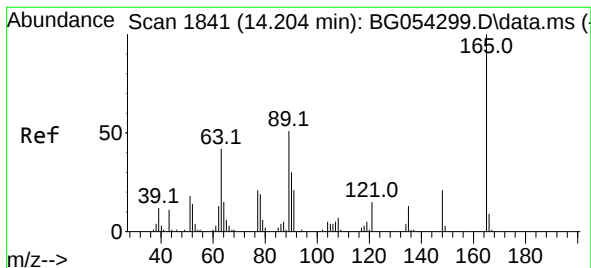
Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 24.0 18.9 28.3

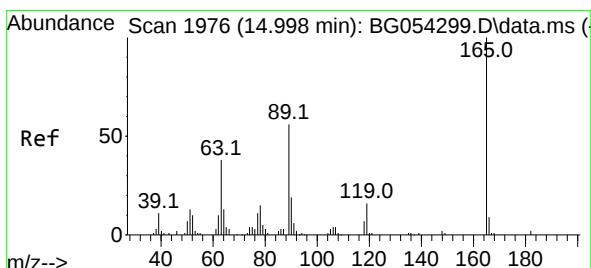
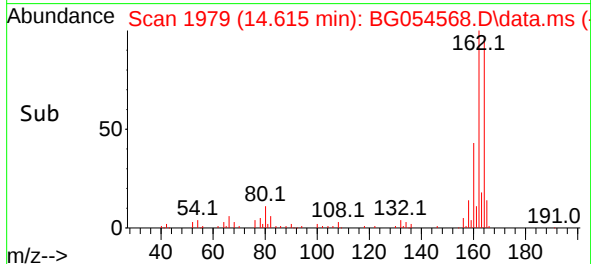
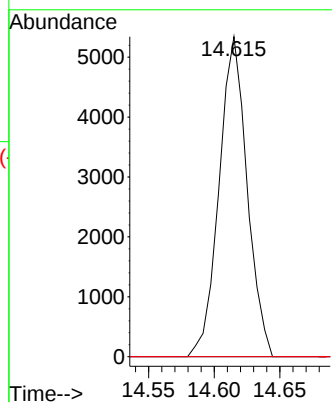
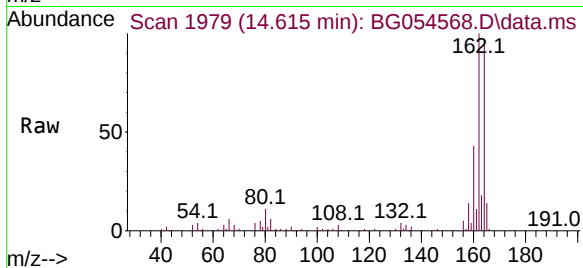




#51
2,6-Dinitrotoluene
Concen: 8.221 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.421 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

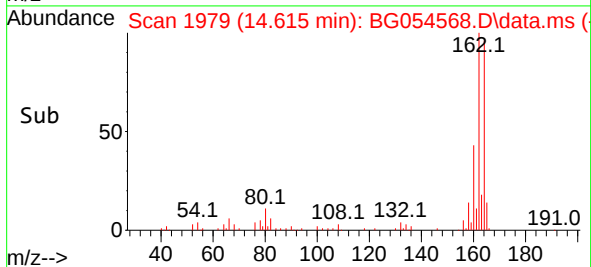
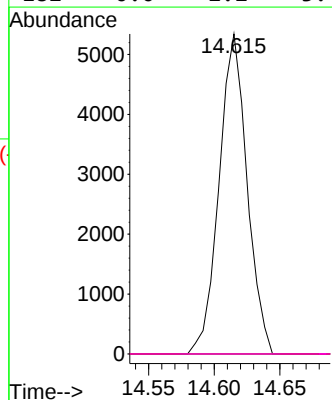
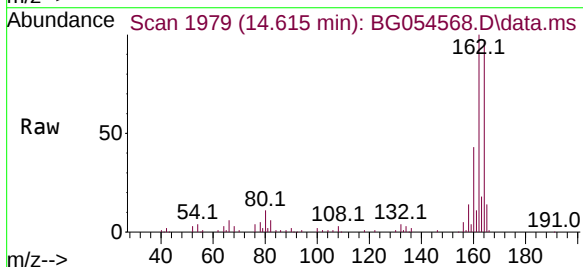
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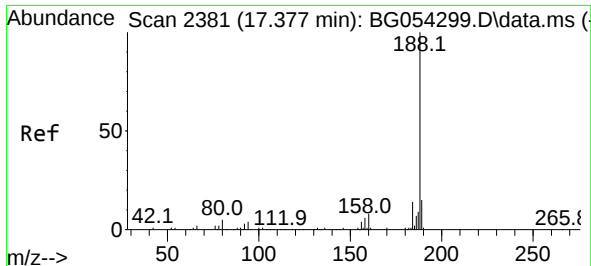
Tgt Ion:165 Resp: 7924
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.734 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.379 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

Tgt Ion:165 Resp: 7924
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#

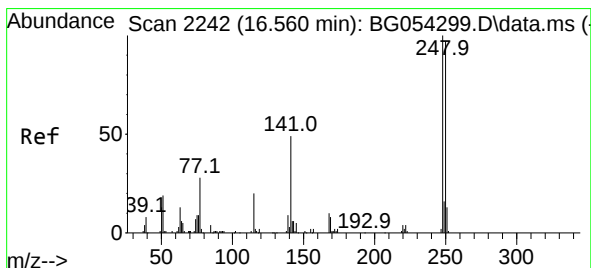
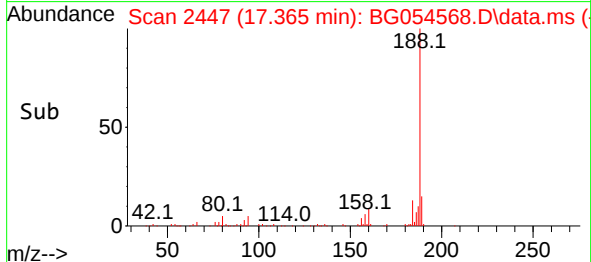
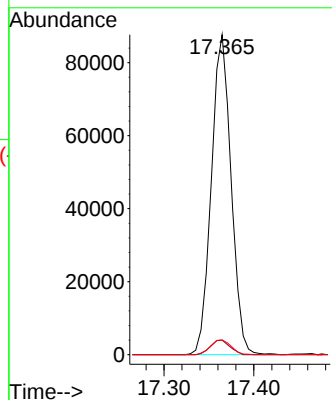
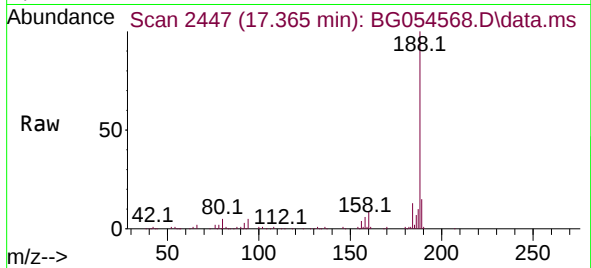




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

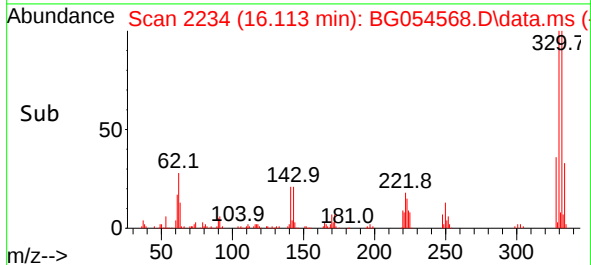
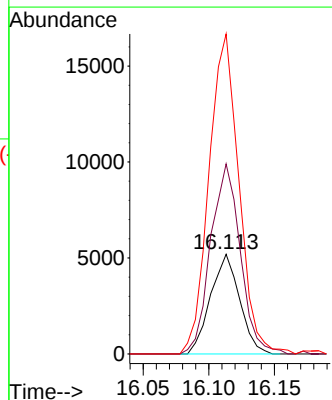
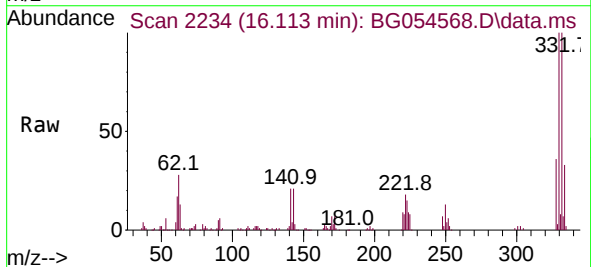
Instrument :
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RVE-222

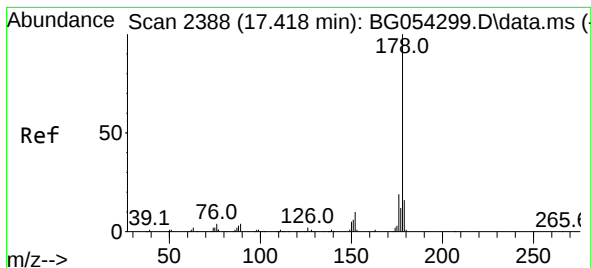
Tgt Ion:188 Resp: 133744
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 4.6 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 4.266 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.431 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

Tgt Ion:248 Resp: 8013
Ion Ratio Lower Upper
248 100
250 146.7 75.2 112.8#
141 247.0 50.0 75.0#





#71

Phenanthrene

Concen: 2.600 ng

RT: 17.406 min Scan# 2454

Delta R.T. -0.003 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

Instrument :

BNA_G

ClientSampleId :

RVE-222

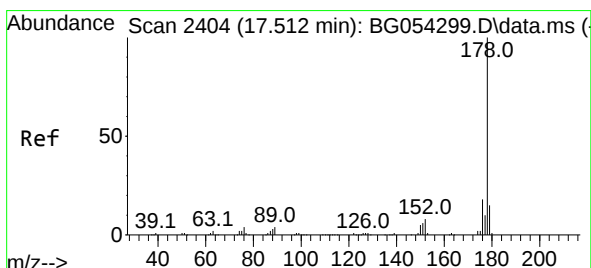
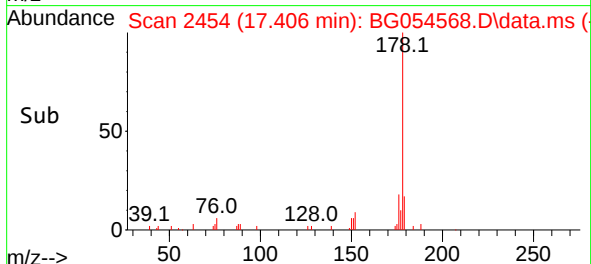
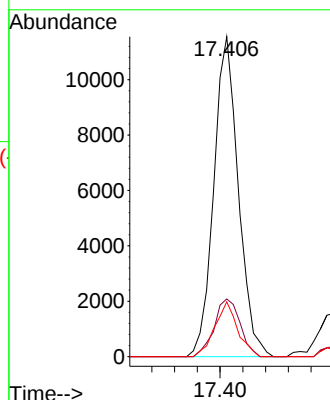
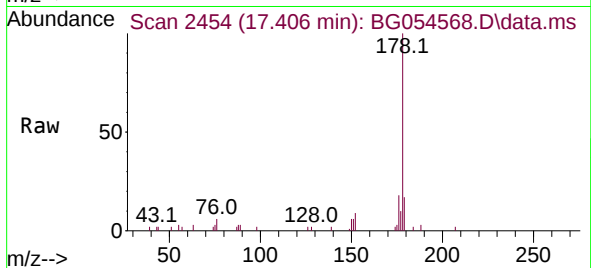
Tgt Ion:178 Resp: 17315

Ion Ratio Lower Upper

178 100

176 18.1 14.1 21.1

179 17.1 12.1 18.1



#72

Anthracene

Concen: 2.649 ng

RT: 17.406 min Scan# 2454

Delta R.T. -0.091 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

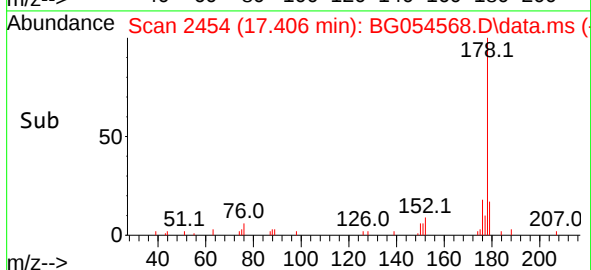
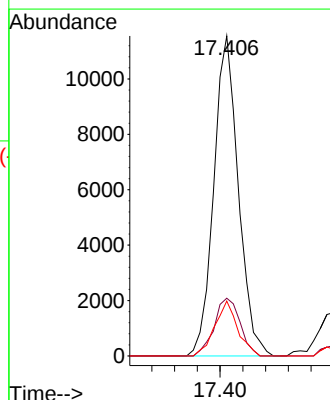
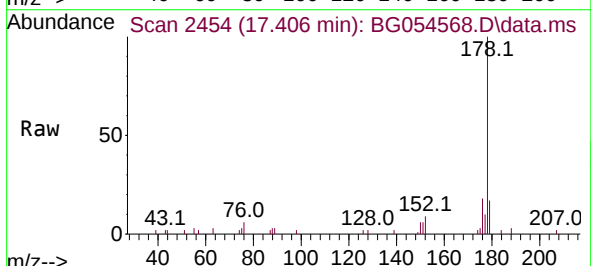
Tgt Ion:178 Resp: 17315

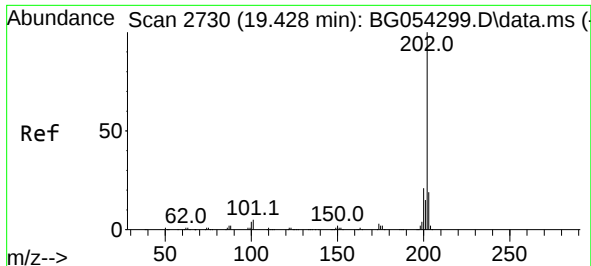
Ion Ratio Lower Upper

178 100

176 18.1 15.2 22.8

179 17.1 13.0 19.4

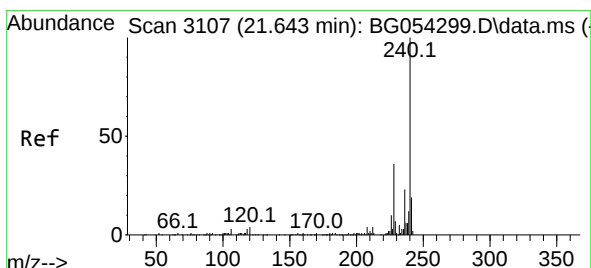
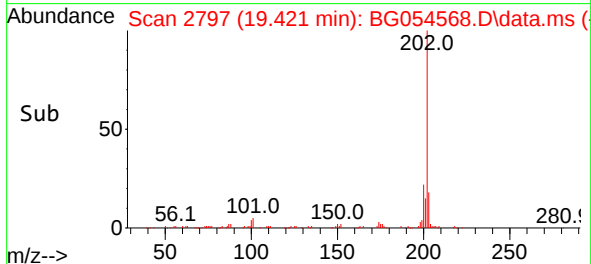
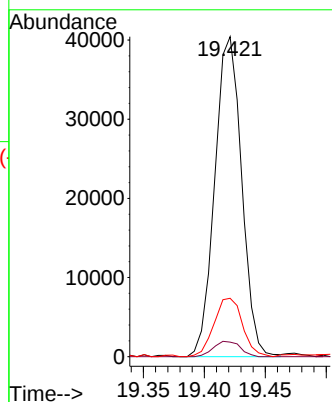
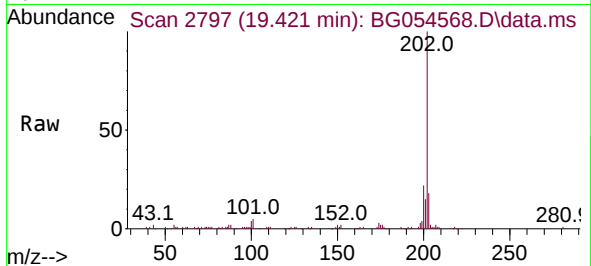




#75
Fluoranthene
Concen: 6.832 ng
RT: 19.421 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

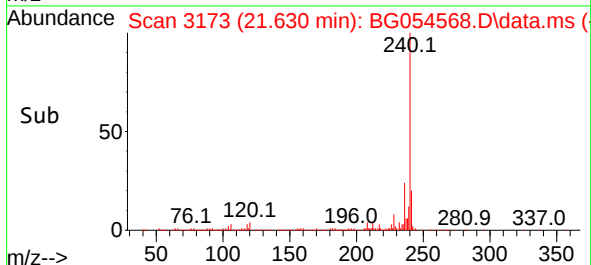
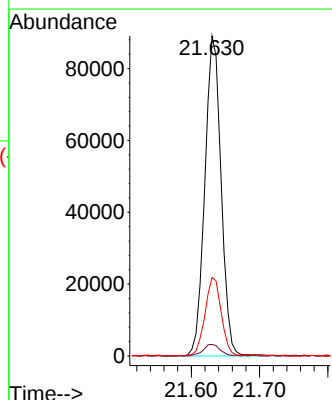
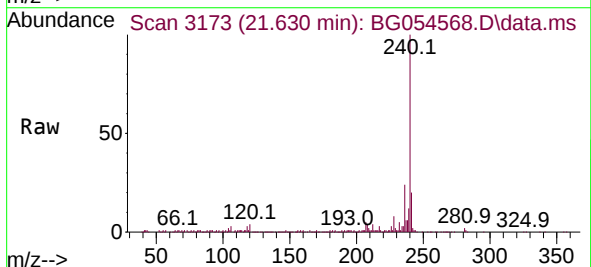
Instrument :
BNA_G
ClientSampleId :
RVE-222

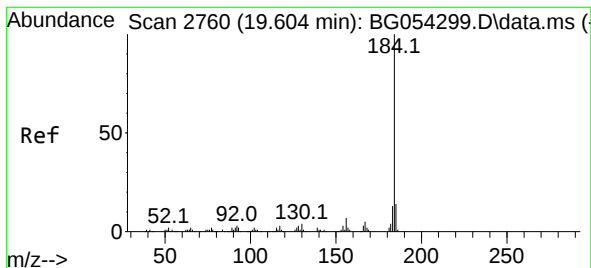
Tgt Ion:202 Resp: 62030
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.9
203 18.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

Tgt Ion:240 Resp: 147934
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.5 20.2 30.4





#77

Benzidine

Concen: 2.977 ng

RT: 19.973 min Scan# 21

Delta R.T. 0.379 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

Instrument :

BNA_G

ClientSampleId :

RVE-222

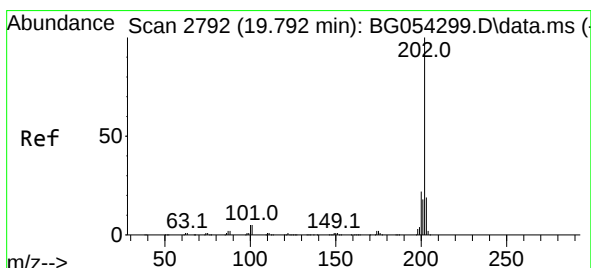
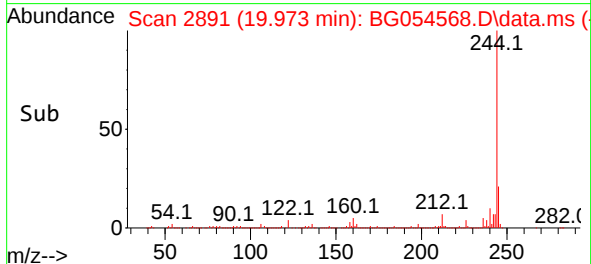
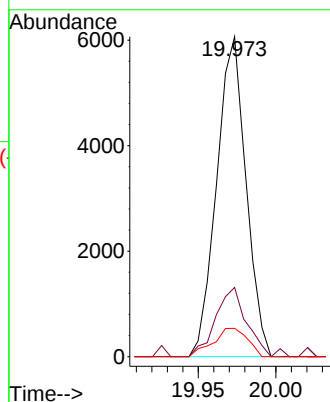
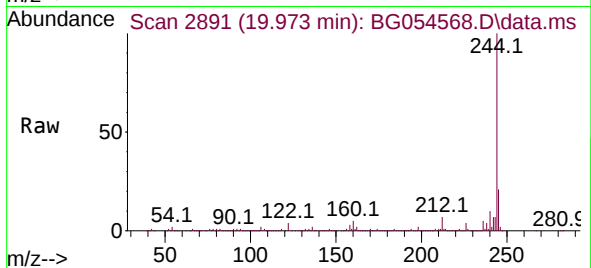
Tgt Ion:184 Resp: 7975

Ion Ratio Lower Upper

184 100

185 21.6 11.8 17.6#

183 8.9 8.9 13.3#



#78

Pyrene

Concen: 7.193 ng

RT: 19.779 min Scan# 2858

Delta R.T. -0.003 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

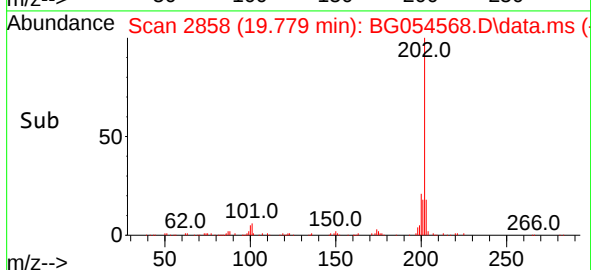
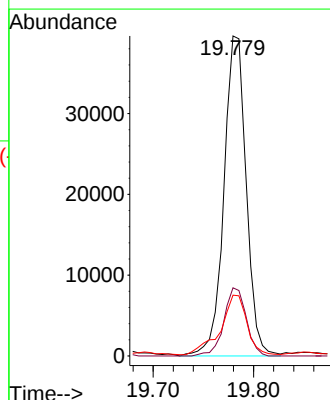
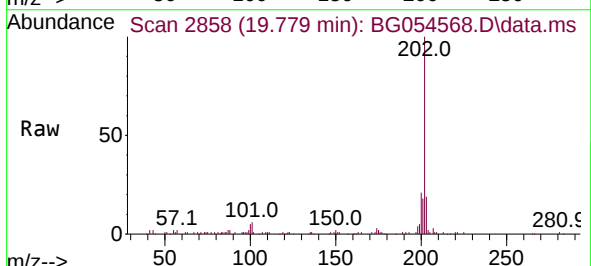
Tgt Ion:202 Resp: 61054

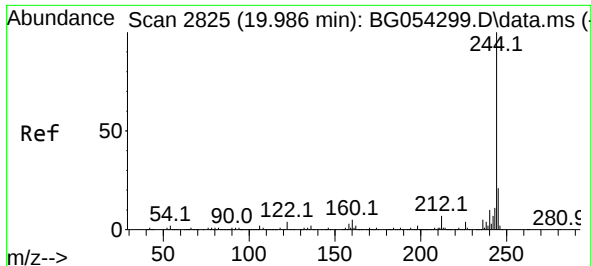
Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

203 19.0 14.6 21.8

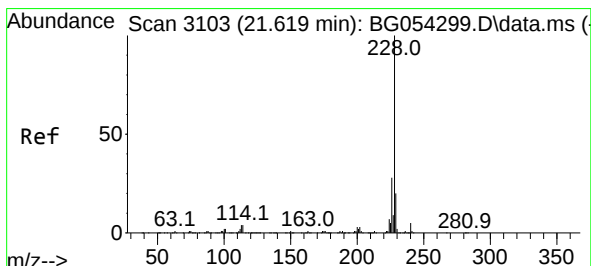
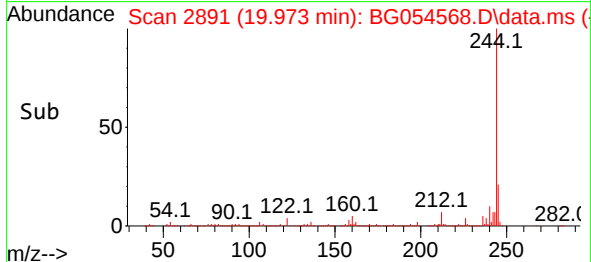
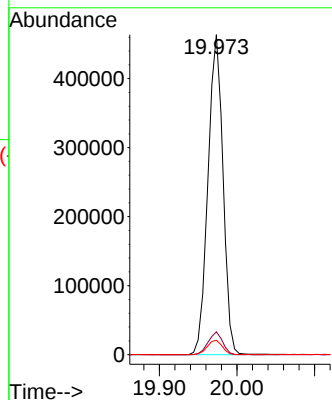
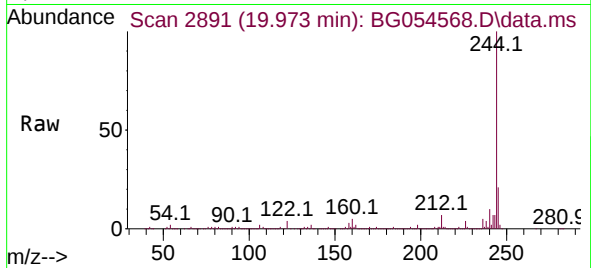




#79
 Terphenyl-d14
 Concen: 83.661 ng
 RT: 19.973 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG054568.D
 Acq: 9 Aug 2022 13:37

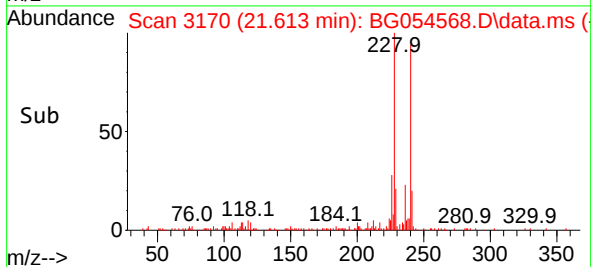
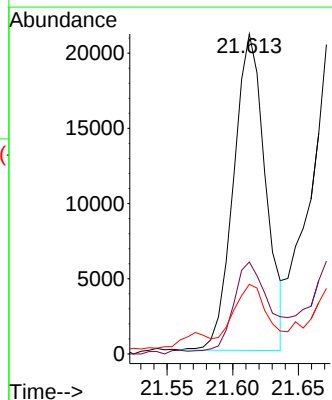
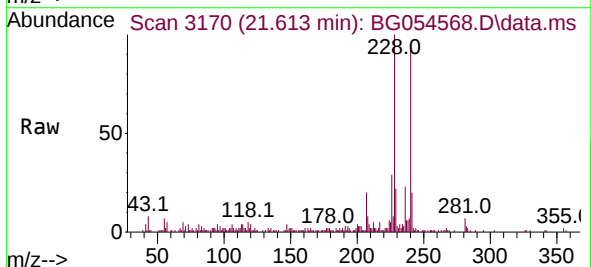
Instrument :
 BNA_G
 ClientSampleId :
 RVE-222

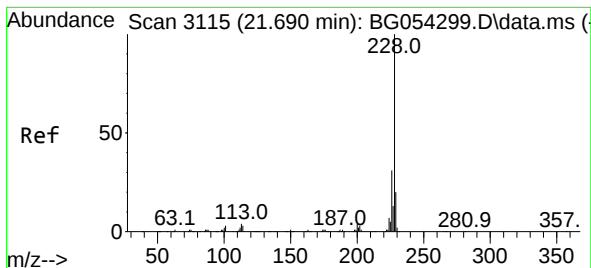
Tgt Ion:244 Resp: 623868
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 3.802 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.003 min
 Lab File: BG054568.D
 Acq: 9 Aug 2022 13:37

Tgt Ion:228 Resp: 35702
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.6 32.4
 229 21.7 16.2 24.2





#83

Chrysene

Concen: 4.024 ng

RT: 21.613 min Scan# 3115

Delta R.T. -0.067 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

Instrument :

BNA_G

ClientSampleId :

RVE-222

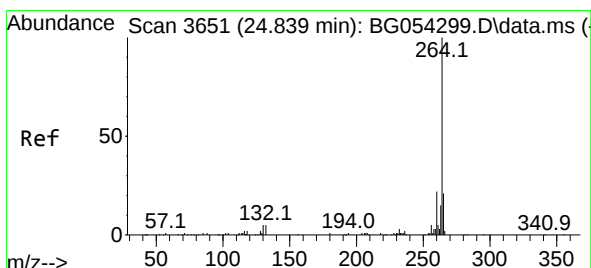
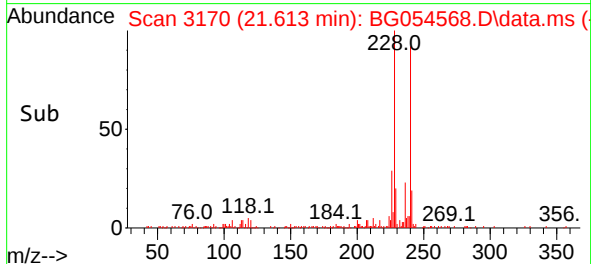
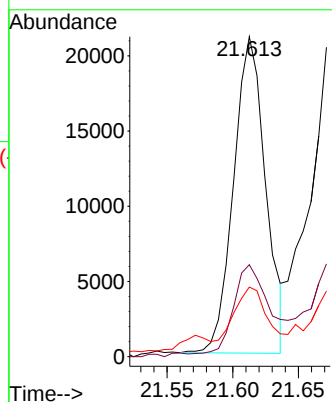
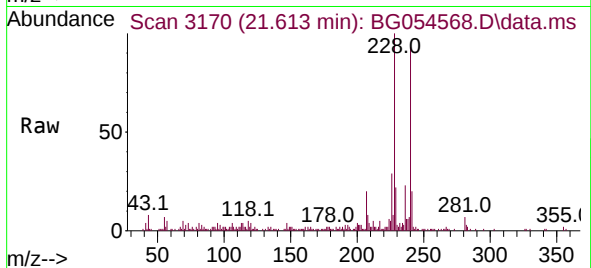
Tgt Ion:228 Resp: 35702

Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.2

229 21.7 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.838 min Scan# 3719

Delta R.T. 0.003 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

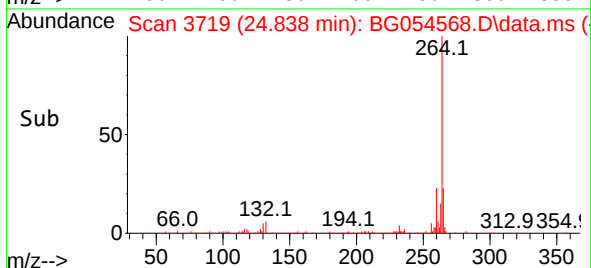
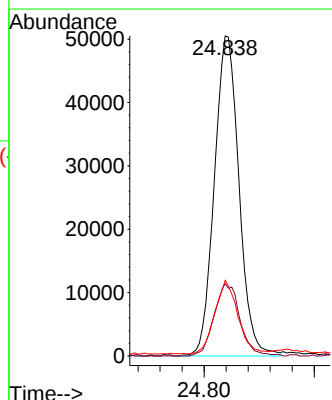
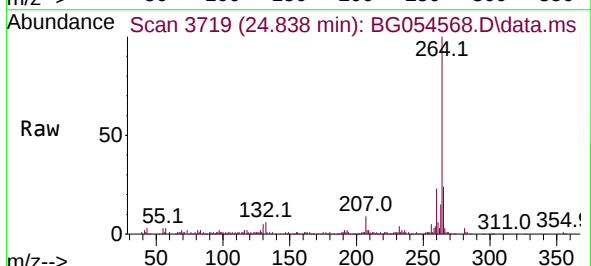
Tgt Ion:264 Resp: 156898

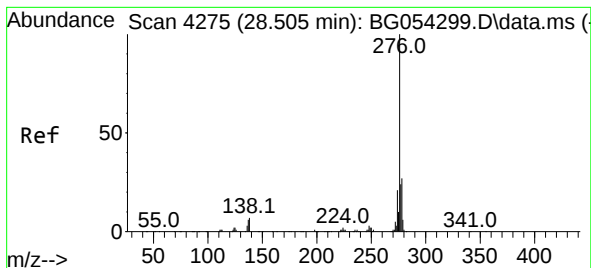
Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 23.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.793 ng

RT: 28.534 min Scan# 41

Delta R.T. 0.003 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

Instrument :

BNA_G

ClientSampleId :

RVE-222

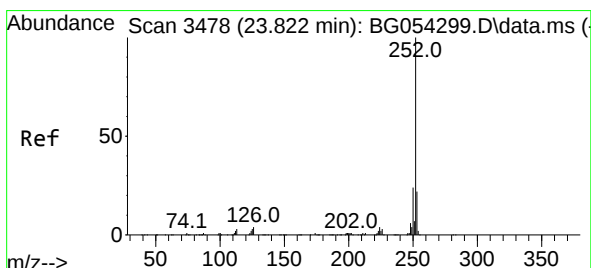
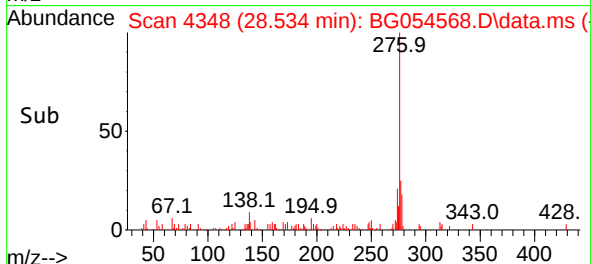
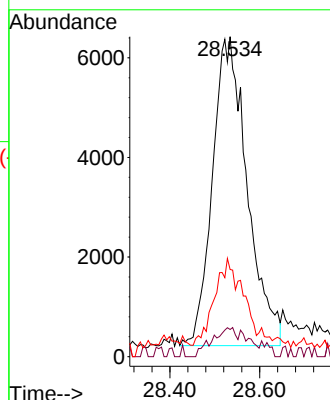
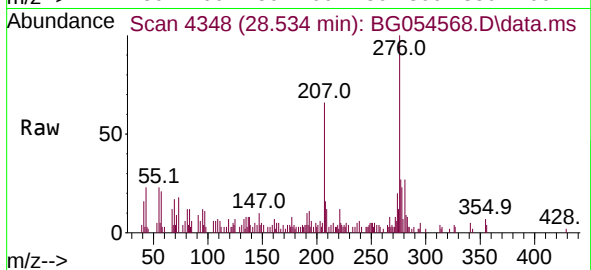
Tgt Ion:276 Resp: 33339

Ion Ratio Lower Upper

276 100

138 6.5 5.0 7.4

277 22.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.344 ng

RT: 23.822 min Scan# 3546

Delta R.T. 0.003 min

Lab File: BG054568.D

Acq: 9 Aug 2022 13:37

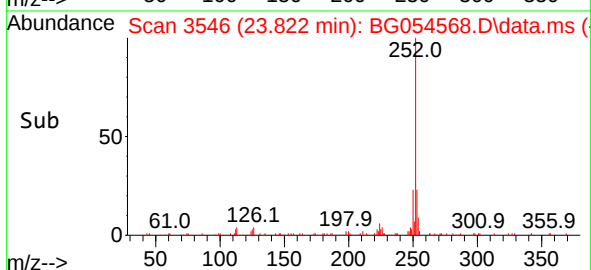
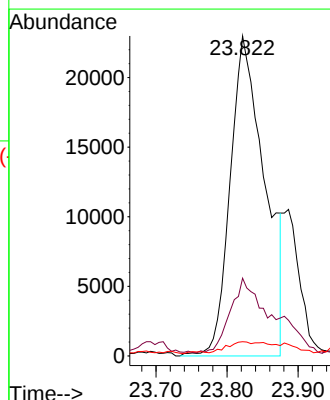
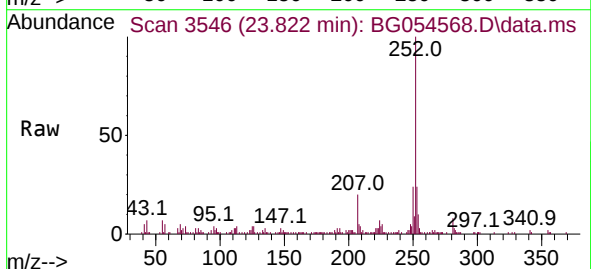
Tgt Ion:252 Resp: 77419

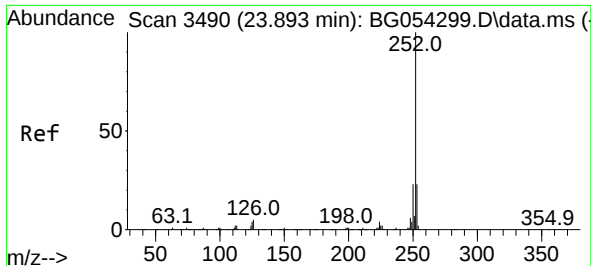
Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 4.5 4.6 6.8#

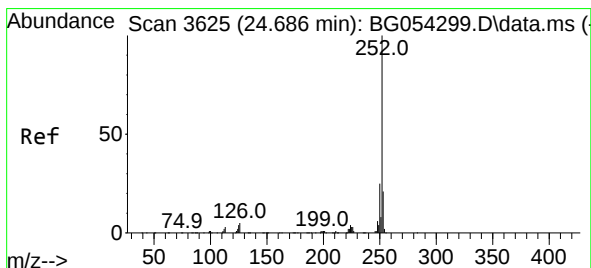
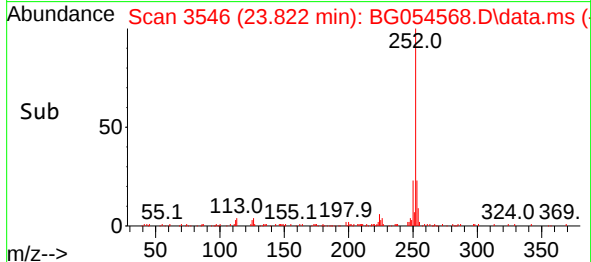
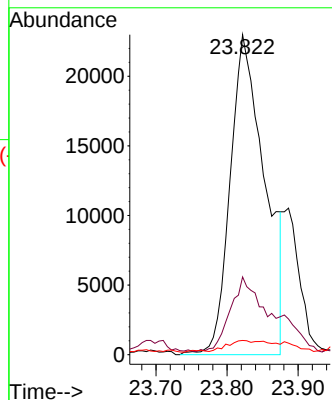
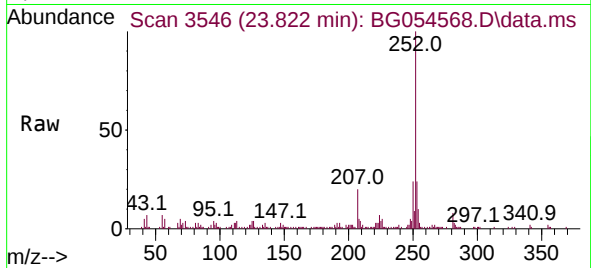




#89
Benzo(k)fluoranthene
Concen: 8.384 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.061 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

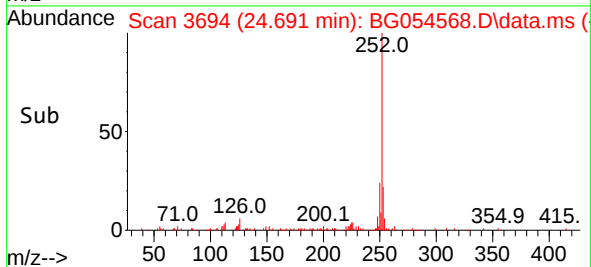
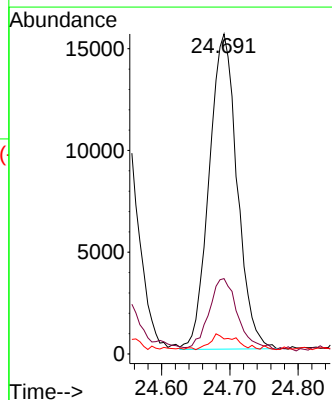
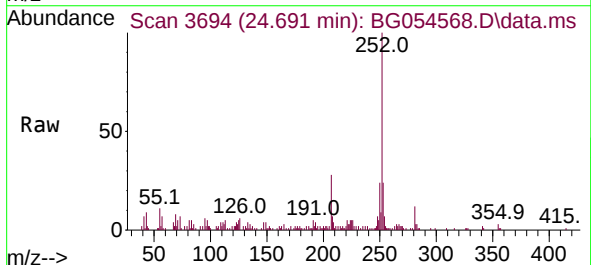
Instrument :
BNA_G
ClientSampleId :
RVE-222

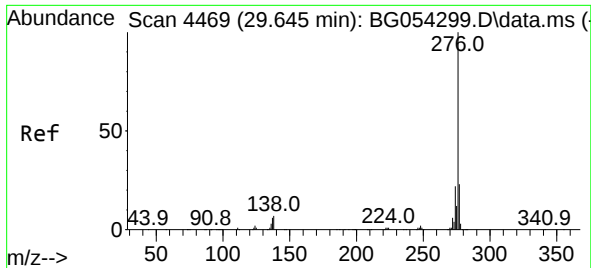
Tgt Ion:252 Resp: 77419
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 4.5 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 5.587 ng
RT: 24.691 min Scan# 3694
Delta R.T. 0.003 min
Lab File: BG054568.D
Acq: 9 Aug 2022 13:37

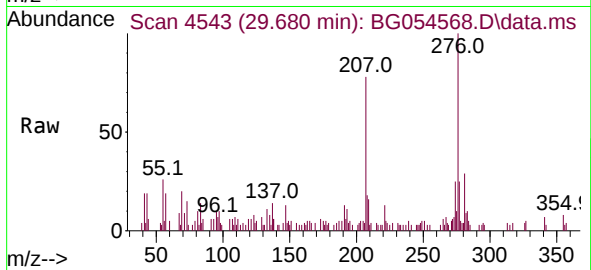
Tgt Ion:252 Resp: 44269
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 4.7 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.593 ng
 RT: 29.680 min Scan# 4
 Delta R.T. 0.003 min
 Lab File: BG054568.D
 Acq: 9 Aug 2022 13:37

Instrument :
 BNA_G
 ClientSampleId :
 RVE-222



Tgt Ion:	276	Resp:	34809
Ion Ratio	Lower	Upper	
276	100		
277	25.3	17.3	25.9
138	12.1	9.6	14.4

