

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054437.D
 Acq On : 28 Jul 2022 18:33
 Operator : CG/JU
 Sample : N3893-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-6

Quant Time: Jul 29 04:09:24 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)

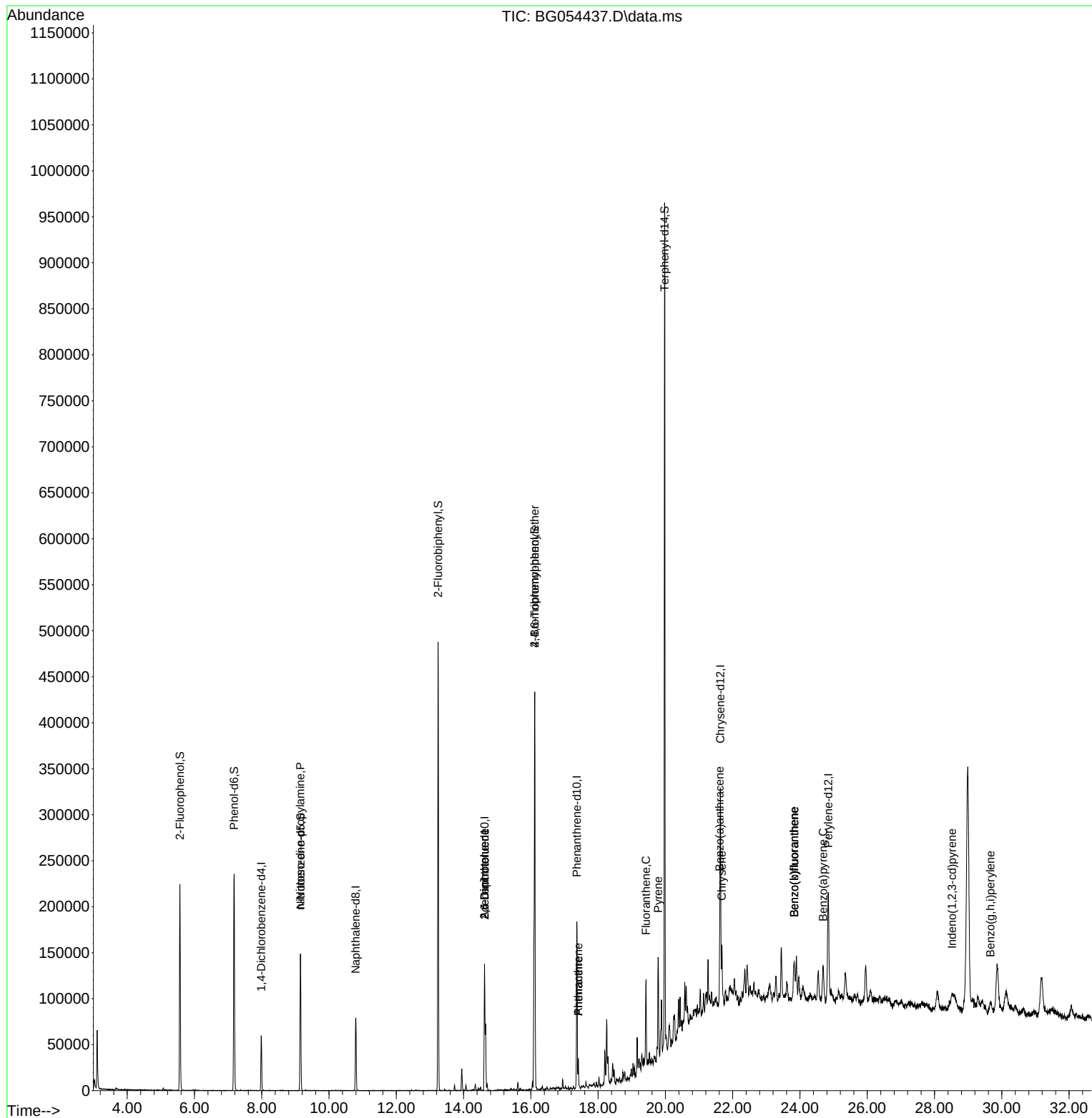
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.983	152	19328	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	72557	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	53545	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	128434	20.000	ng	# 0.00
76) Chrysene-d12	21.632	240	143757	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	148129	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	103105	111.378	ng	0.00
7) Phenol-d6	7.178	99	138086	108.860	ng	0.00
23) Nitrobenzene-d5	9.152	82	93334	70.051	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	115976	103.159	ng	0.00
45) 2-Fluorobiphenyl	13.242	172	278371	73.339	ng	0.00
79) Terphenyl-d14	19.975	244	527827	72.838	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.178	77	70	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.146	70	13279	15.677	ng	# 82
51) 2,6-Dinitrotoluene	14.622	165	7760	8.459	ng	# 16
57) 2,4-Dinitrotoluene	14.622	165	7760	5.901	ng	# 21
67) 4-Bromophenyl-phenylether	16.115	248	7015	3.889	ng	# 1
71) Phenanthrene	17.413	178	22400	3.502	ng	99
72) Anthracene	17.413	178	22400	3.569	ng	96
75) Fluoranthene	19.423	202	56898	6.526	ng	95
78) Pyrene	19.781	202	80246	9.728	ng	97
81) Benzo(a)anthracene	21.614	228	39423	4.320	ng	92
83) Chrysene	21.679	228	54092	6.274	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.518	276	26602	2.361	ng	96
88) Benzo(b)fluoranthene	23.829	252	78687	8.982	ng	96
89) Benzo(k)fluoranthene	23.829	252	78687	9.026	ng	# 96
90) Benzo(a)pyrene	24.687	252	46247	6.182	ng	94
92) Benzo(g,h,i)perylene	29.664	276	31788	3.476	ng	# 90

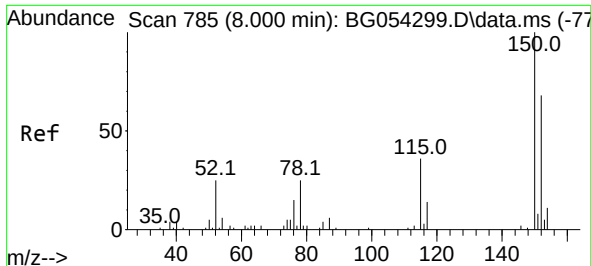
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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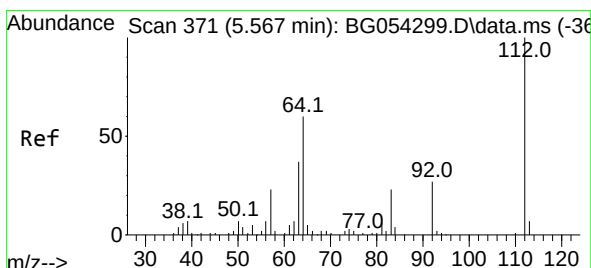
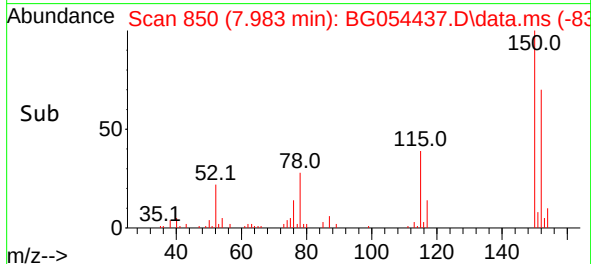
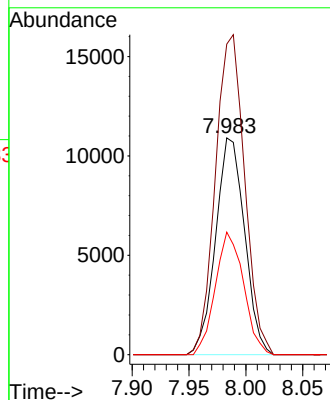
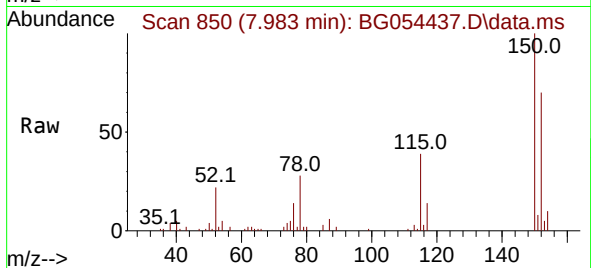




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.983 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

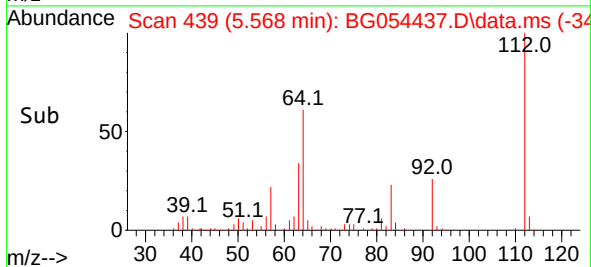
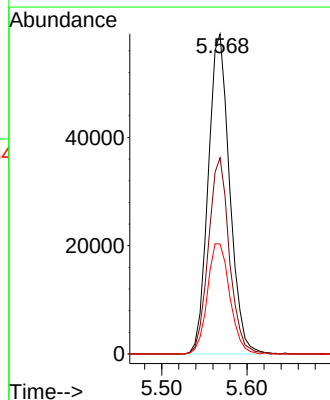
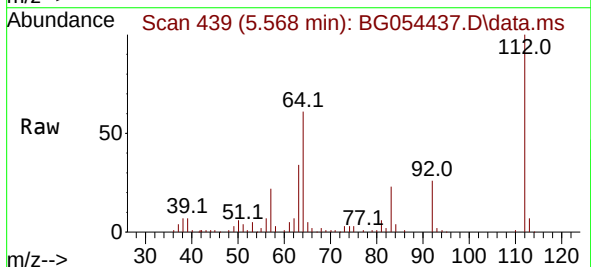
Instrument :
BNA_G
ClientSampleId :
RVE-6

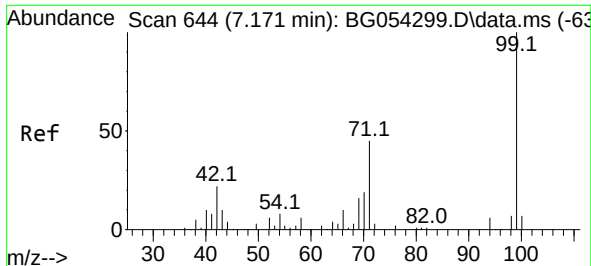
Tgt Ion:152 Resp: 19328
Ion Ratio Lower Upper
152 100
150 143.2 131.6 197.4
115 56.5 50.9 76.3



#5
2-Fluorophenol
Concen: 111.378 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.007 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

Tgt Ion:112 Resp: 103105
Ion Ratio Lower Upper
112 100
64 61.3 55.1 82.7
63 34.3 30.4 45.6

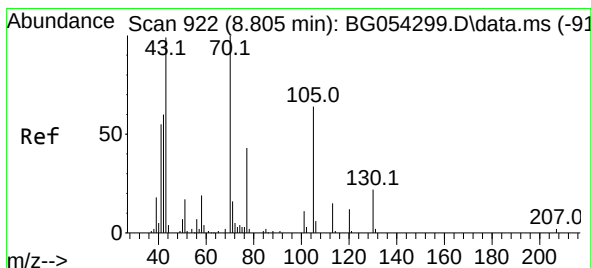
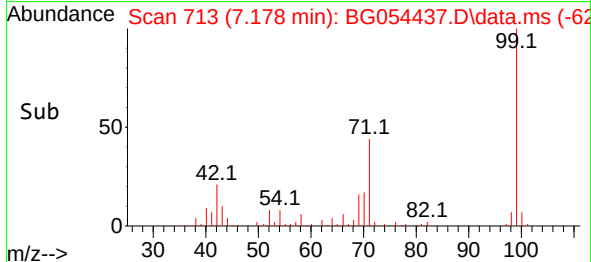
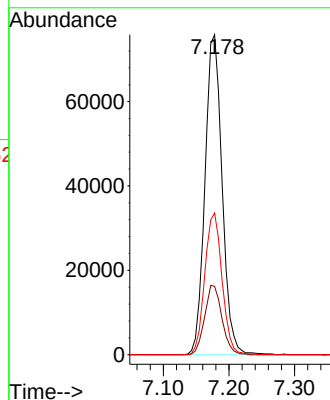
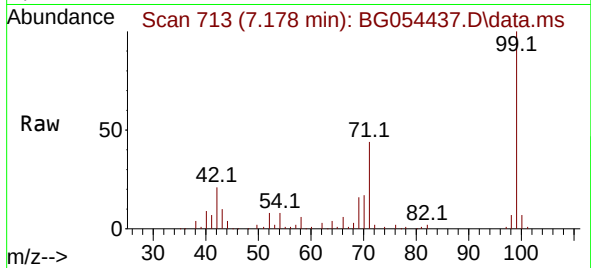




#7
Phenol-d6
Concen: 108.860 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

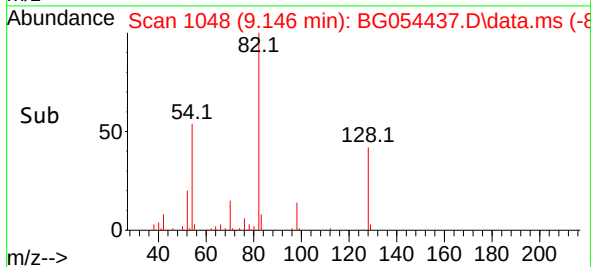
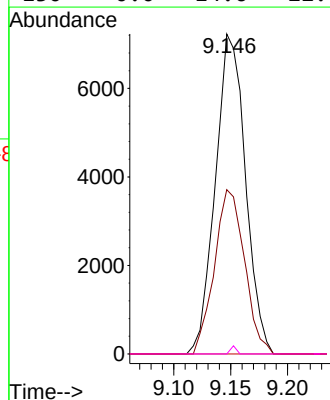
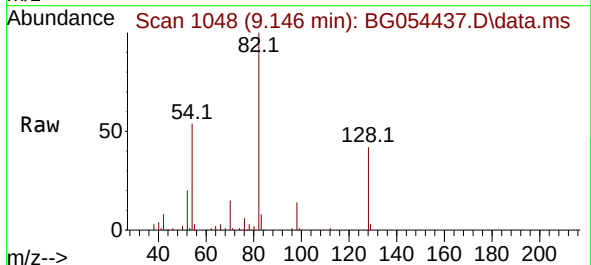
Instrument :
BNA_G
ClientSampleId :
RVE-6

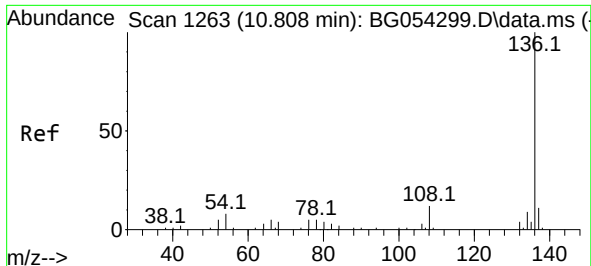
Tgt Ion: 99 Resp: 138086
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.677 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.353 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

Tgt Ion: 70 Resp: 13279
Ion Ratio Lower Upper
70 100
42 51.4 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

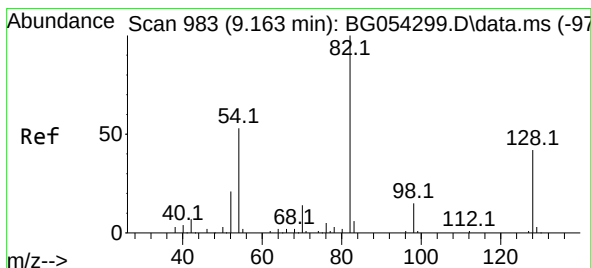
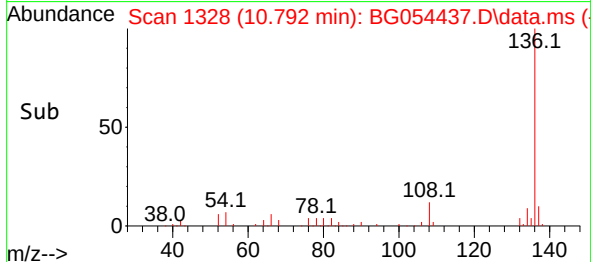
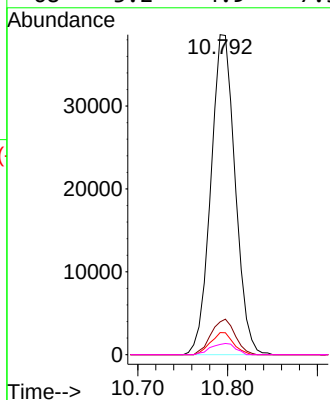
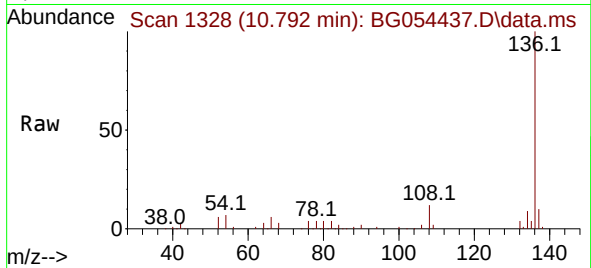




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

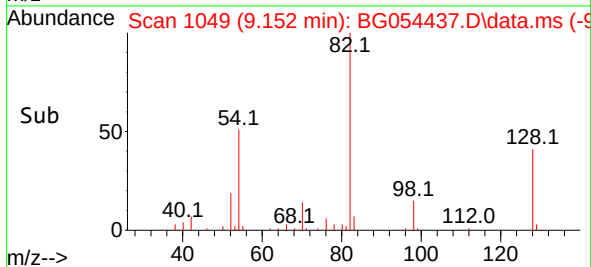
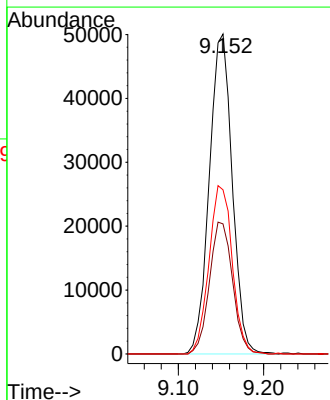
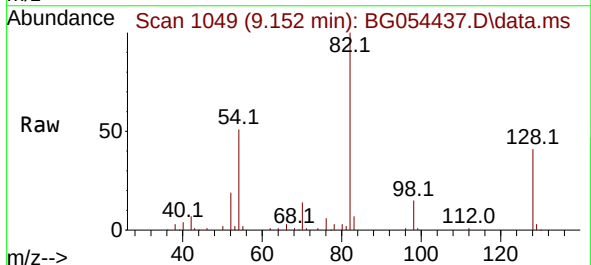
Instrument :
BNA_G
ClientSampleId :
RVE-6

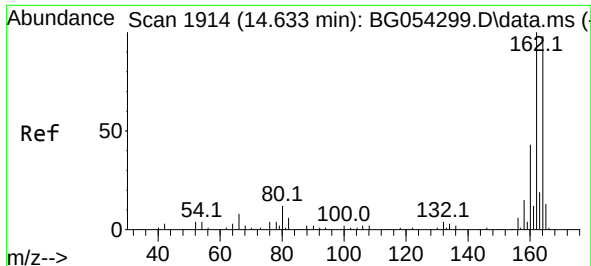
Tgt Ion:	136	Resp:	72557
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	6.9	7.4	11.2#
68	3.2	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 70.051 ng
RT: 9.152 min Scan# 1049
Delta R.T. 0.001 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

Tgt Ion:	82	Resp:	93334
Ion Ratio	Lower	Upper	
82	100		
128	40.6	27.9	41.9
54	51.3	41.2	61.8

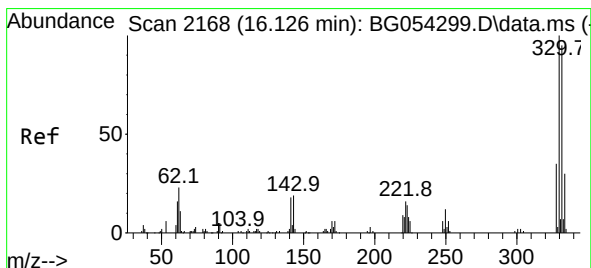
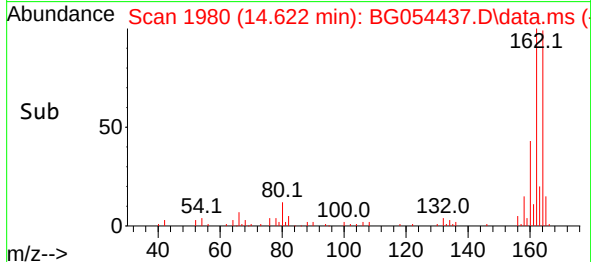
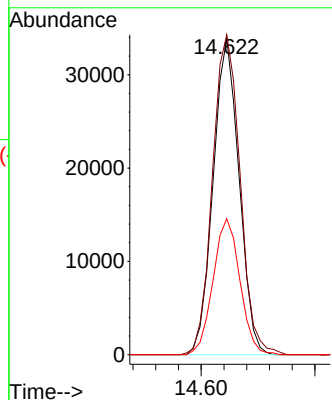
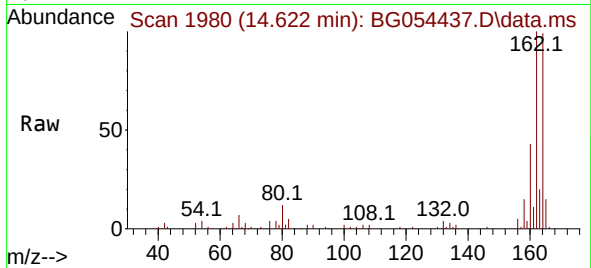




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

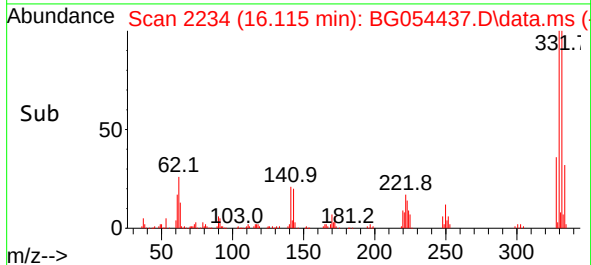
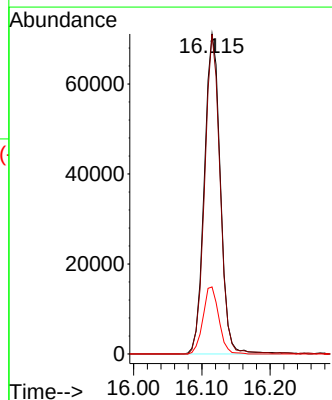
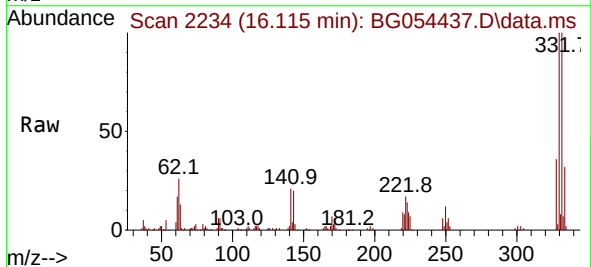
Instrument :
BNA_G
ClientSampleId :
RVE-6

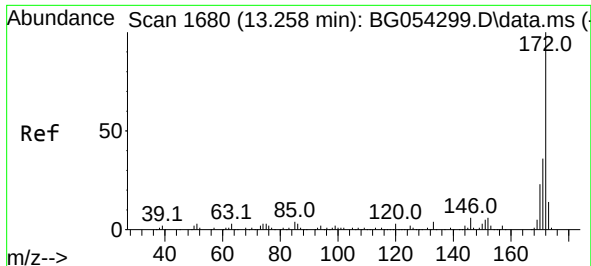
Tgt Ion:164 Resp: 53545
Ion Ratio Lower Upper
164 100
162 101.1 82.3 123.5
160 43.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 103.159 ng
RT: 16.115 min Scan# 2234
Delta R.T. 0.001 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

Tgt Ion:330 Resp: 115976
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 20.7 27.1 40.7#

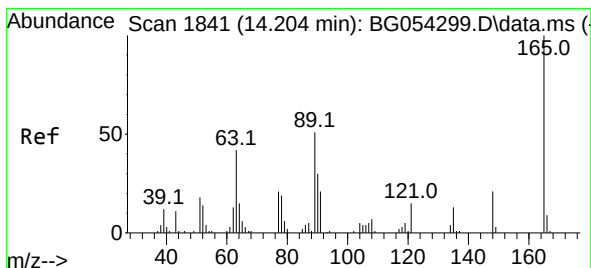
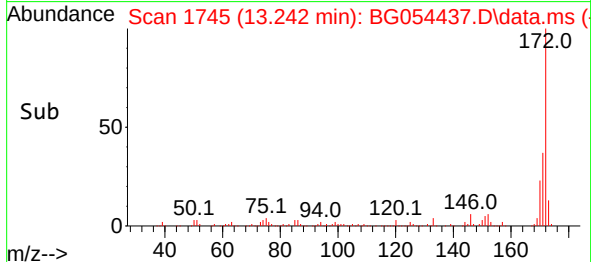
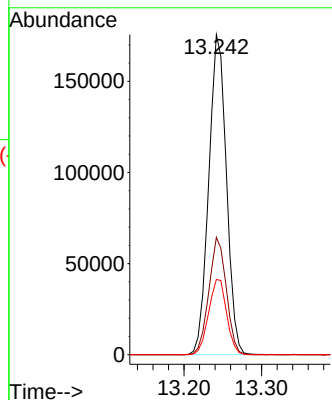
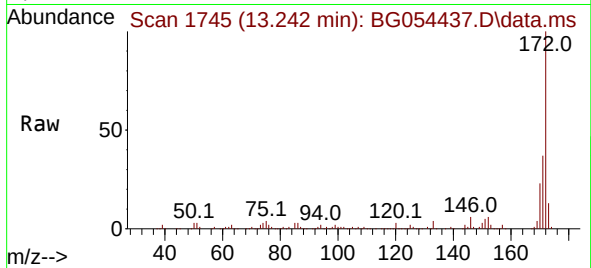




#45
2-Fluorobiphenyl
Concen: 73.339 ng
RT: 13.242 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

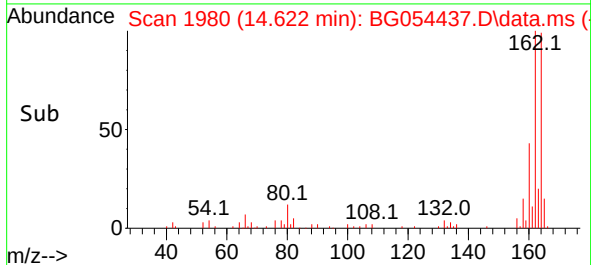
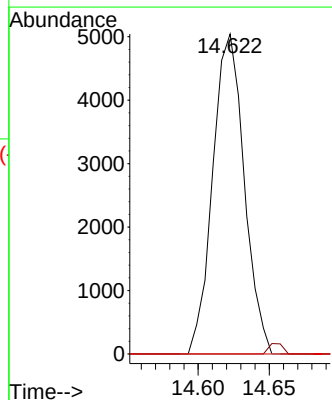
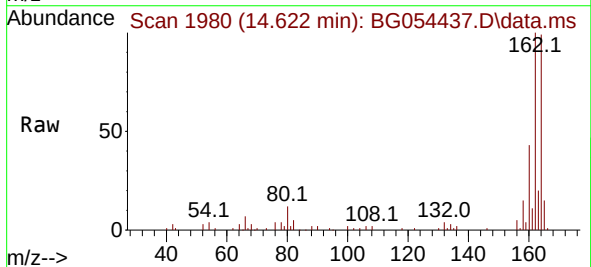
Instrument :
BNA_G
ClientSampleId :
RVE-6

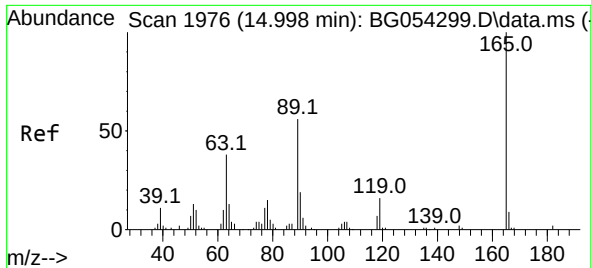
Tgt Ion:172 Resp: 278371
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.459 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.424 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

Tgt Ion:165 Resp: 7760
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

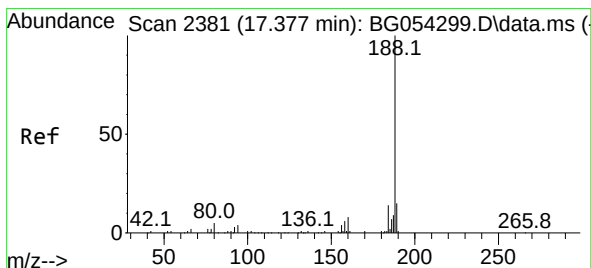
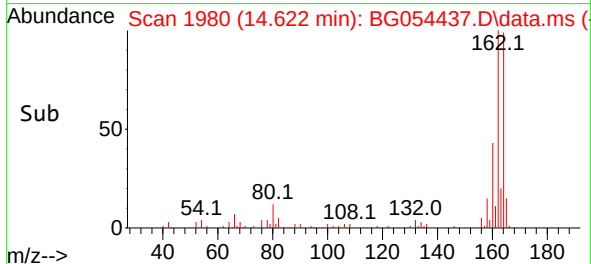
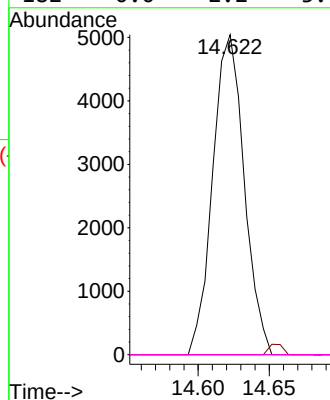
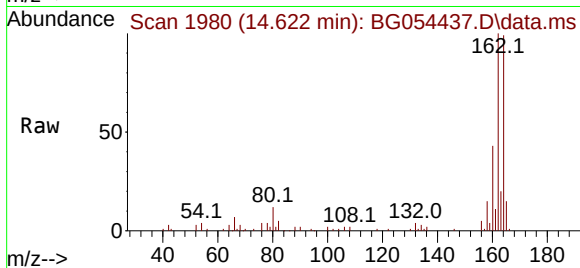




#57
2,4-Dinitrotoluene
Concen: 5.901 ng
RT: 14.622 min Scan# 14
Delta R.T. -0.370 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

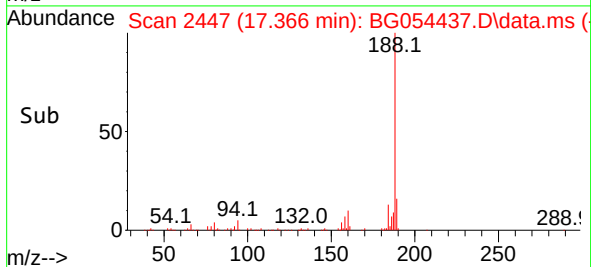
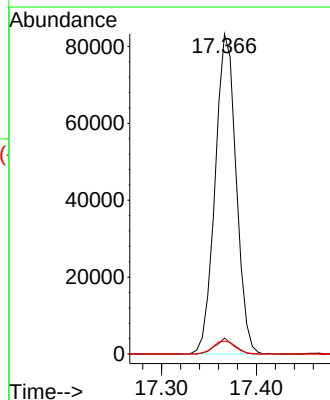
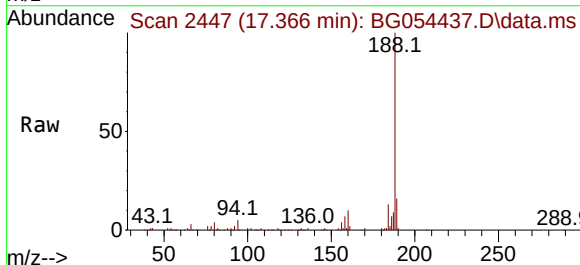
Instrument :
BNA_G
ClientSampleId :
RVE-6

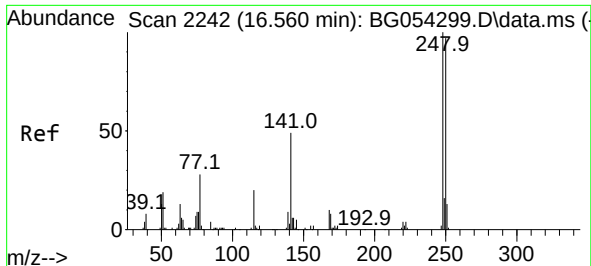
Tgt Ion:165 Resp: 7760
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

Tgt Ion:188 Resp: 128434
Ion Ratio Lower Upper
188 100
94 5.0 5.4 8.0#
80 4.0 6.8 10.2#





#67

4-Bromophenyl-phenylether

Concen: 3.889 ng

RT: 16.115 min Scan# 21

Delta R.T. -0.440 min

Lab File: BG054437.D

Acq: 28 Jul 2022 18:33

Instrument :

BNA_G

ClientSampleId :

RVE-6

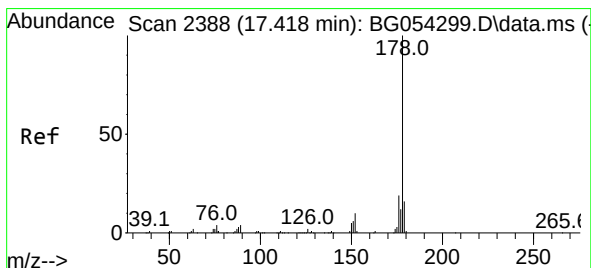
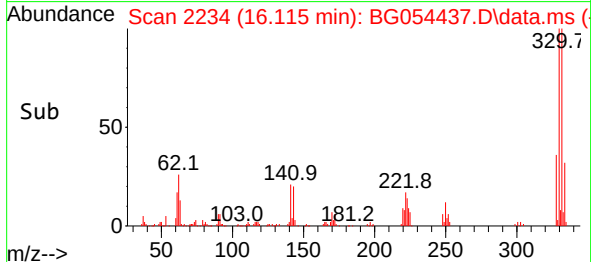
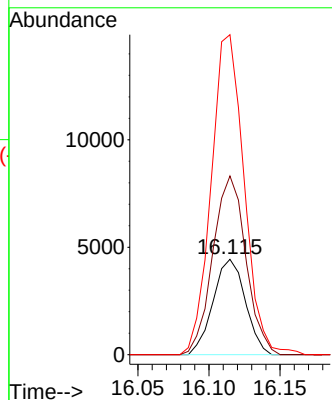
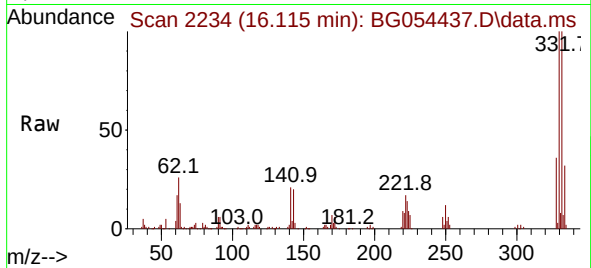
Tgt Ion:248 Resp: 7015

Ion Ratio Lower Upper

248 100

250 187.3 75.2 112.8#

141 335.3 50.0 75.0#



#71

Phenanthrene

Concen: 3.502 ng

RT: 17.413 min Scan# 2455

Delta R.T. 0.001 min

Lab File: BG054437.D

Acq: 28 Jul 2022 18:33

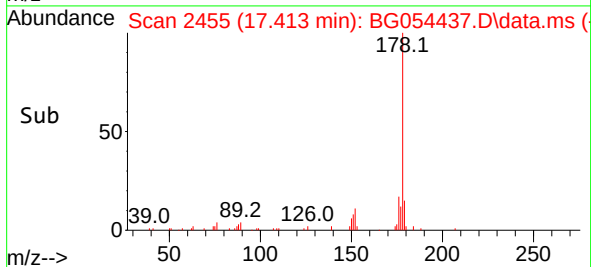
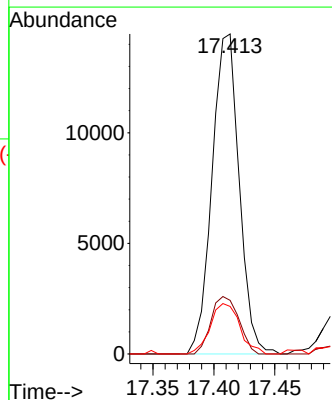
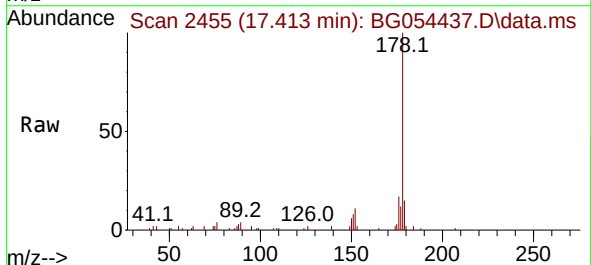
Tgt Ion:178 Resp: 22400

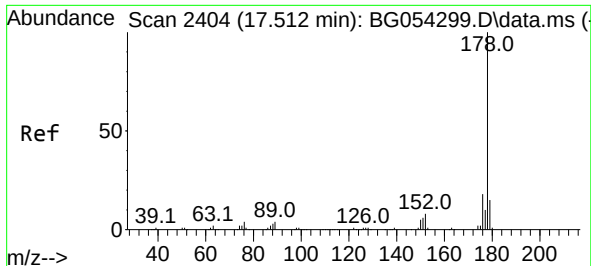
Ion Ratio Lower Upper

178 100

176 16.7 14.1 21.1

179 14.9 12.1 18.1

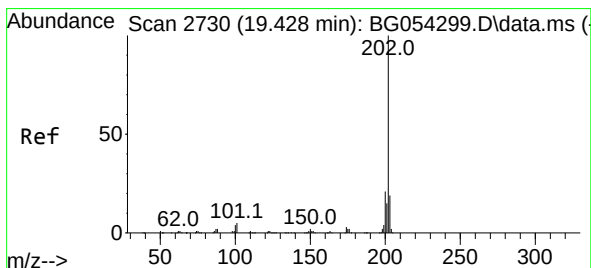
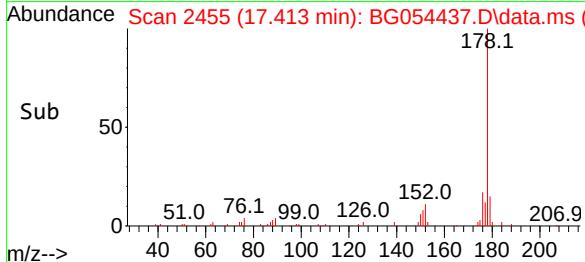
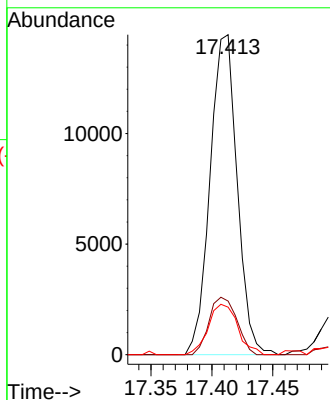
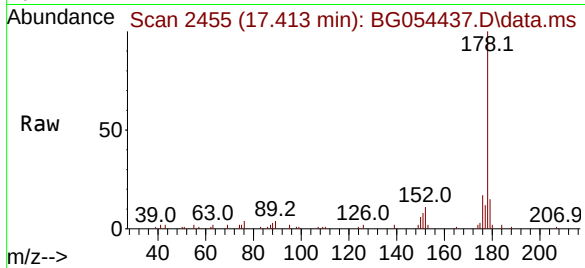




#72
 Anthracene
 Concen: 3.569 ng
 RT: 17.413 min Scan# 2404
 Delta R.T. -0.087 min
 Lab File: BG054437.D
 Acq: 28 Jul 2022 18:33

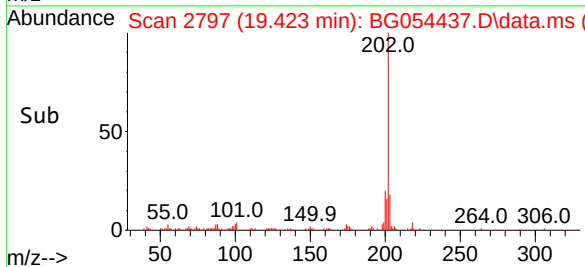
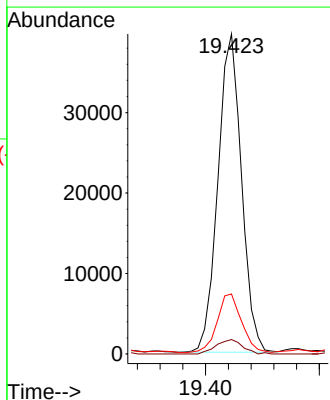
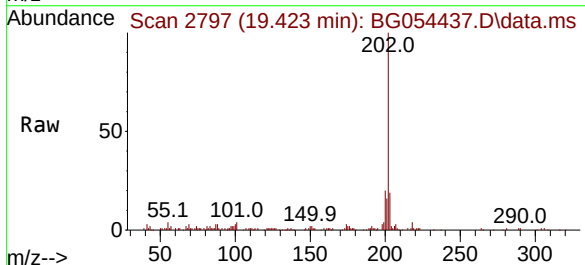
Instrument :
 BNA_G
 ClientSampleId :
 RVE-6

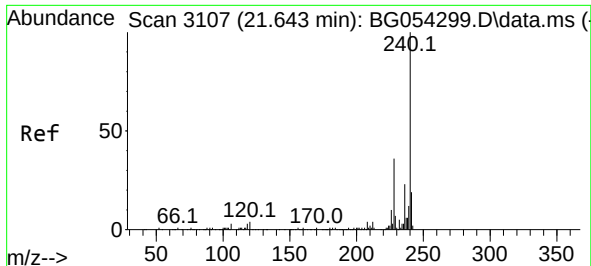
Tgt Ion:178 Resp: 22400
 Ion Ratio Lower Upper
 178 100
 176 16.7 15.2 22.8
 179 14.9 13.0 19.4



#75
 Fluoranthene
 Concen: 6.526 ng
 RT: 19.423 min Scan# 2797
 Delta R.T. 0.001 min
 Lab File: BG054437.D
 Acq: 28 Jul 2022 18:33

Tgt Ion:202 Resp: 56898
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 18.8 0.0 37.2

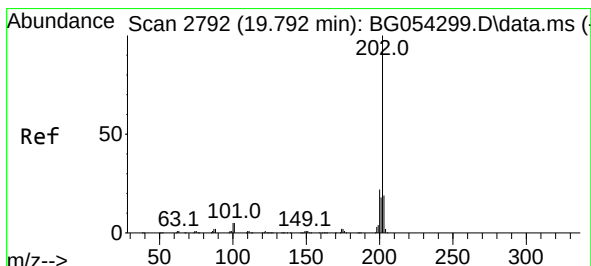
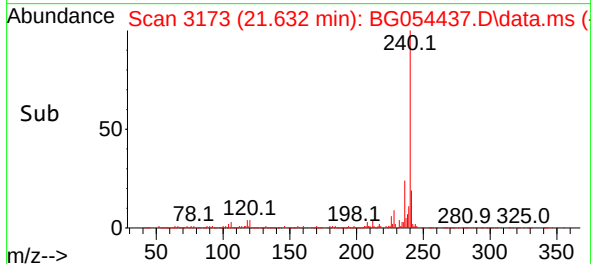
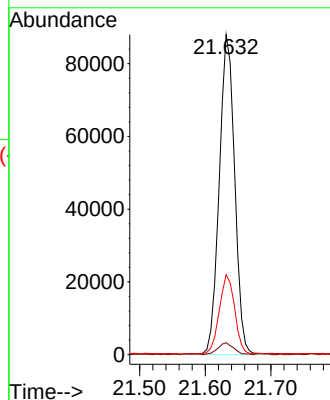
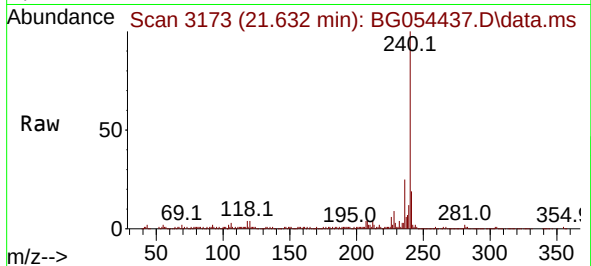




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

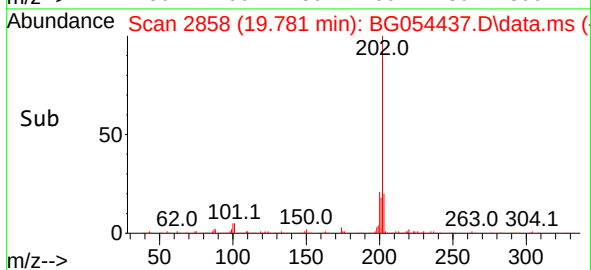
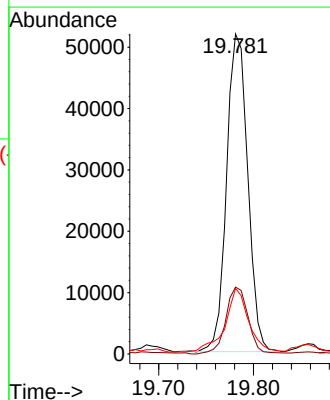
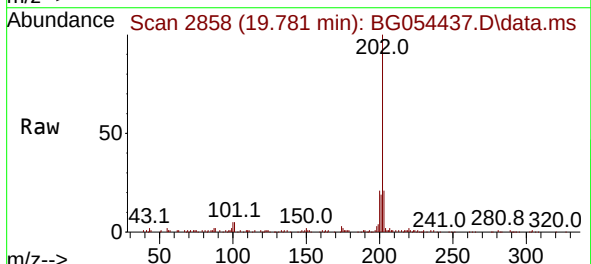
Instrument :
BNA_G
ClientSampleId :
RVE-6

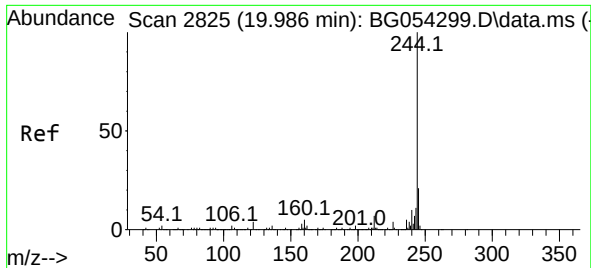
Tgt Ion:240 Resp: 143757
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.0 20.2 30.4



#78
Pyrene
Concen: 9.728 ng
RT: 19.781 min Scan# 2858
Delta R.T. -0.005 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

Tgt Ion:202 Resp: 80246
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 20.5 14.6 21.8

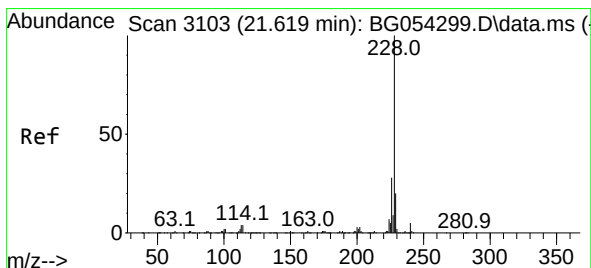
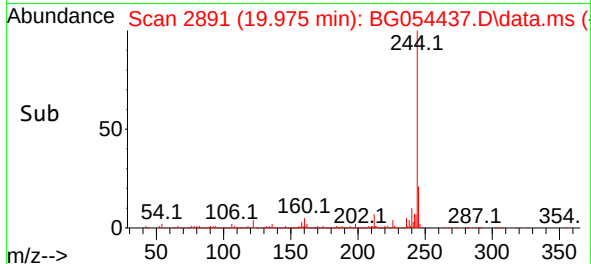
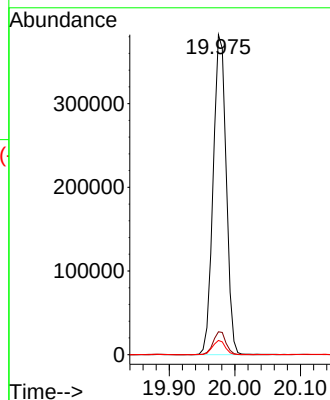
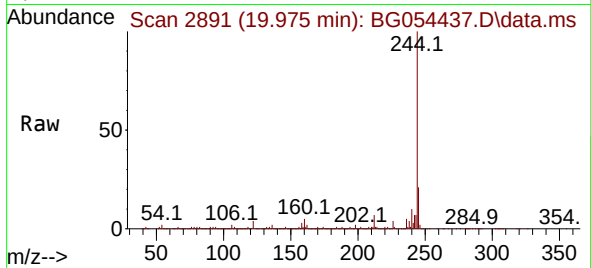




#79
 Terphenyl-d14
 Concen: 72.838 ng
 RT: 19.975 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054437.D
 Acq: 28 Jul 2022 18:33

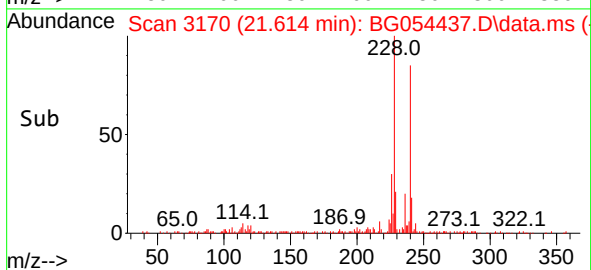
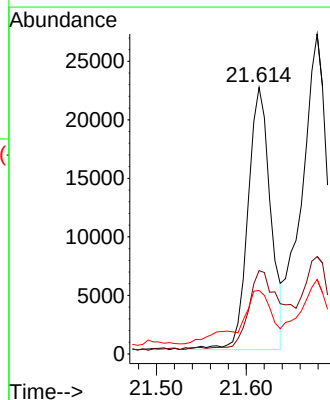
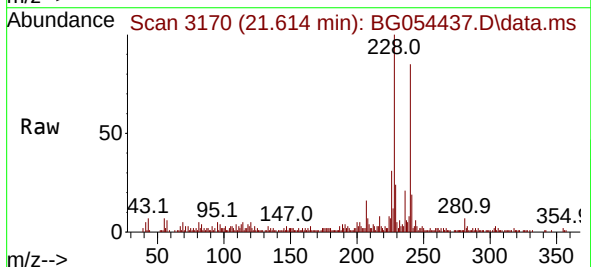
Instrument :
 BNA_G
 ClientSampleId :
 RVE-6

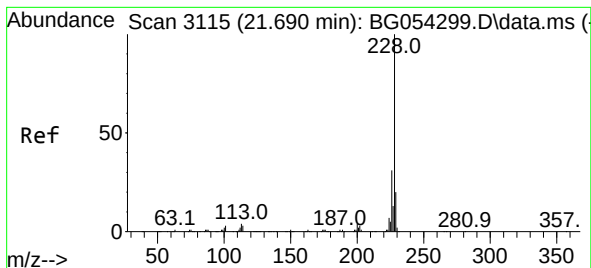
Tgt Ion:244 Resp: 527827
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 4.320 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. 0.001 min
 Lab File: BG054437.D
 Acq: 28 Jul 2022 18:33

Tgt Ion:228 Resp: 39423
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.6 32.4
 229 23.8 16.2 24.2





#83

Chrysene

Concen: 6.274 ng

RT: 21.679 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BG054437.D

Acq: 28 Jul 2022 18:33

Instrument :

BNA_G

ClientSampleId :

RVE-6

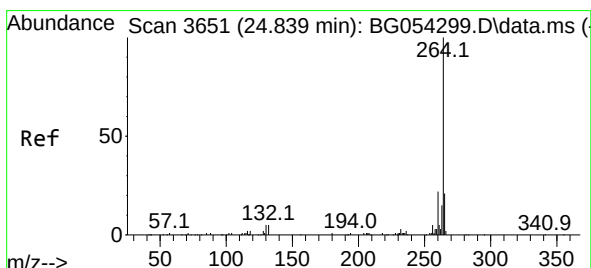
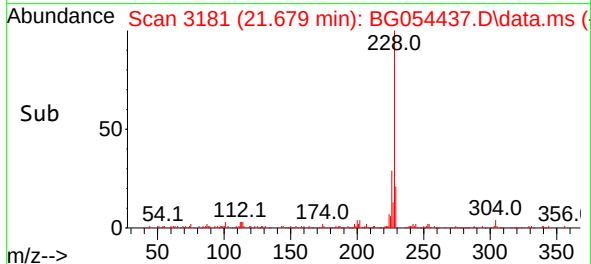
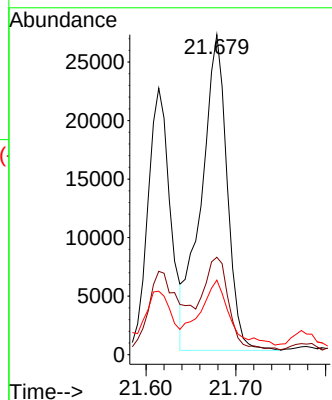
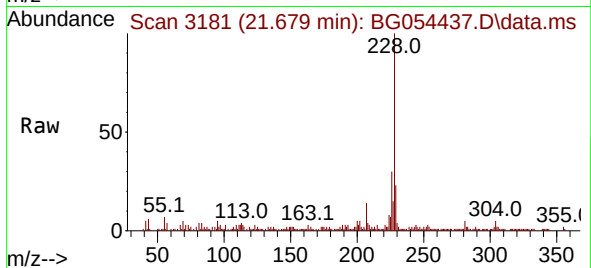
Tgt Ion:228 Resp: 54092

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

229 23.3 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.840 min Scan# 3719

Delta R.T. 0.007 min

Lab File: BG054437.D

Acq: 28 Jul 2022 18:33

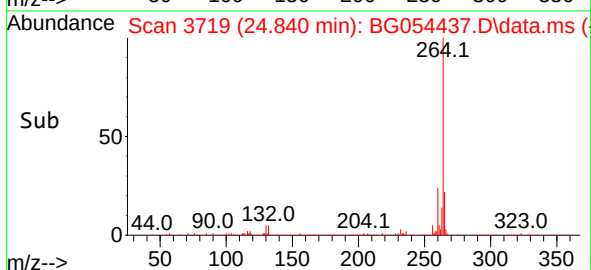
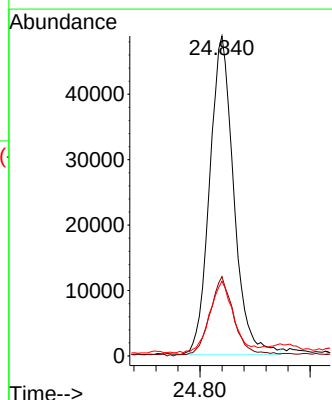
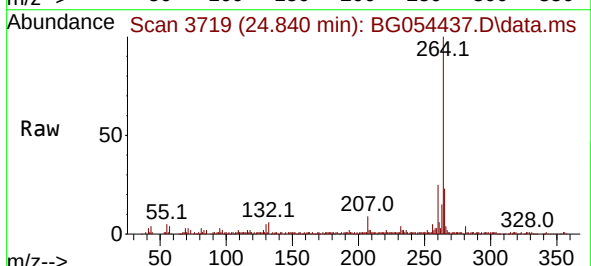
Tgt Ion:264 Resp: 148129

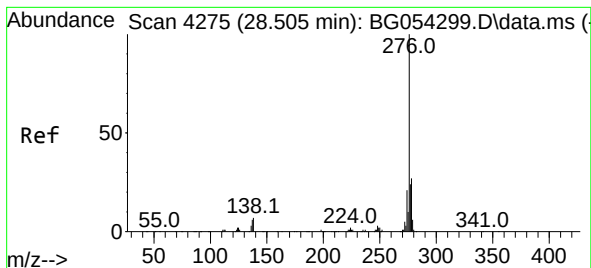
Ion Ratio Lower Upper

264 100

260 24.8 19.0 28.6

265 23.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.361 ng

RT: 28.518 min Scan# 41

Delta R.T. 0.001 min

Lab File: BG054437.D

Acq: 28 Jul 2022 18:33

Instrument :

BNA_G

ClientSampleId :

RVE-6

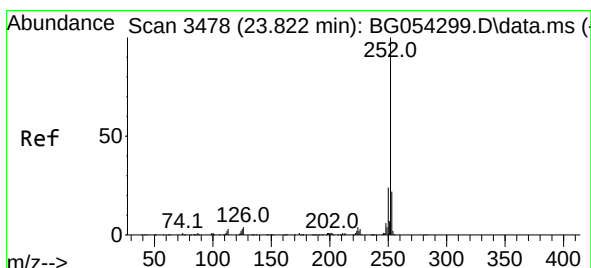
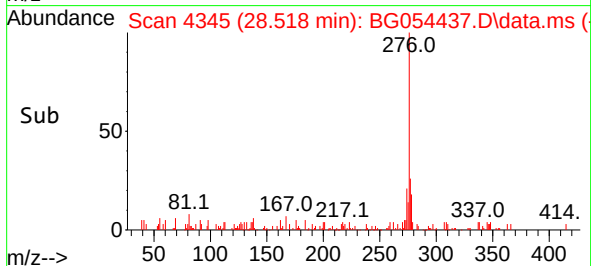
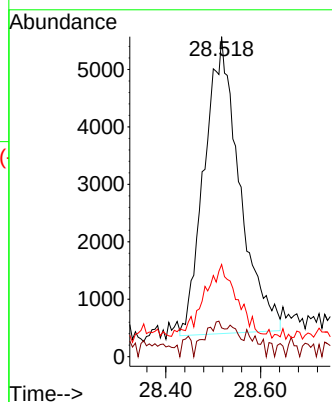
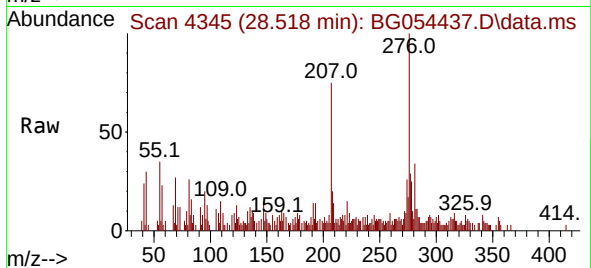
Tgt Ion:276 Resp: 26602

Ion Ratio Lower Upper

276 100

138 6.4 5.0 7.4

277 22.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.982 ng

RT: 23.829 min Scan# 3547

Delta R.T. 0.006 min

Lab File: BG054437.D

Acq: 28 Jul 2022 18:33

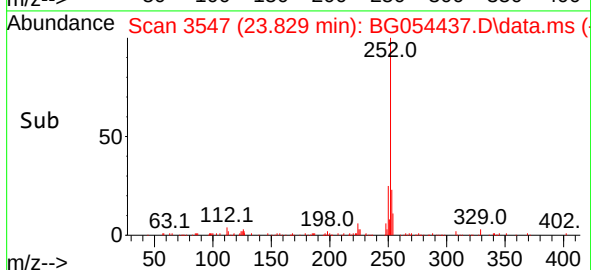
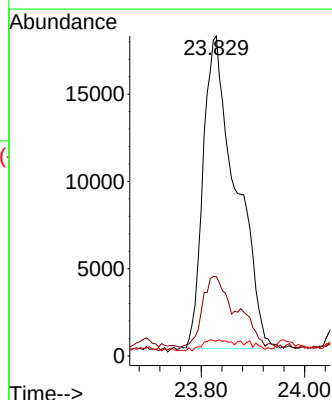
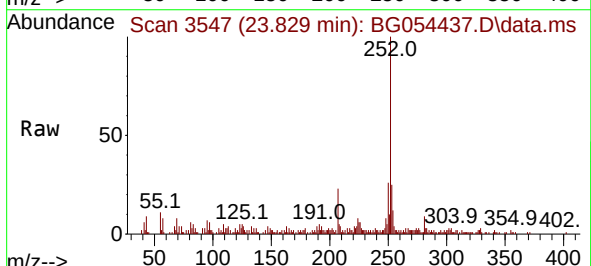
Tgt Ion:252 Resp: 78687

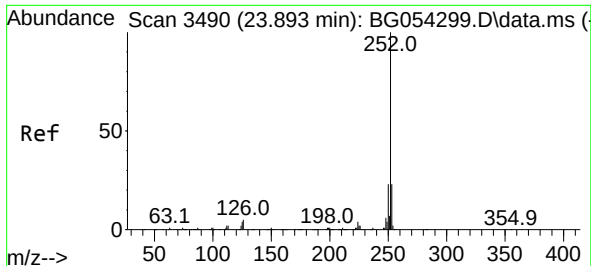
Ion Ratio Lower Upper

252 100

253 24.8 18.0 27.0

125 4.6 4.6 6.8

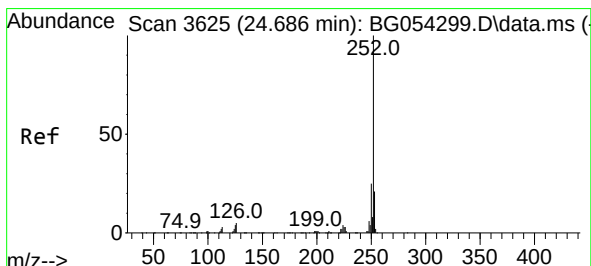
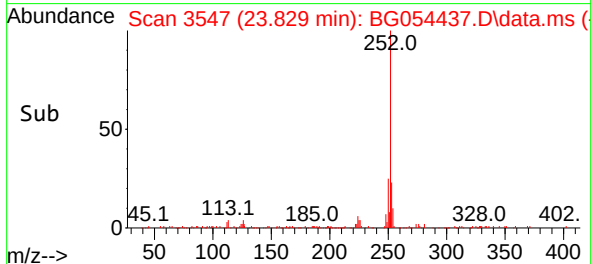
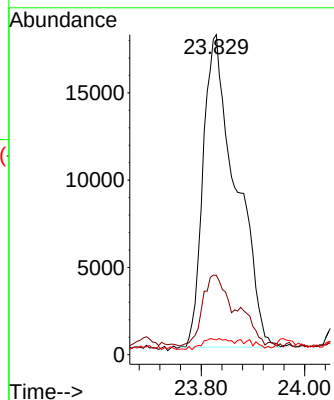
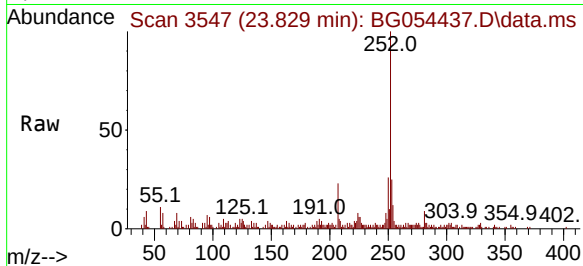




#89
Benzo(k)fluoranthene
Concen: 9.026 ng
RT: 23.829 min Scan# 31
Delta R.T. -0.058 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

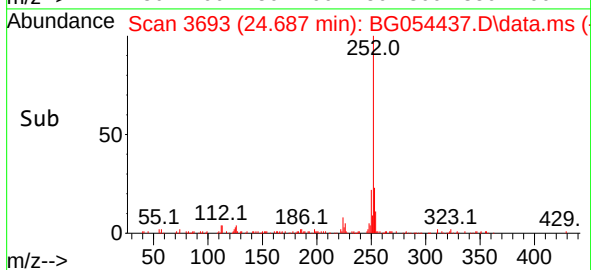
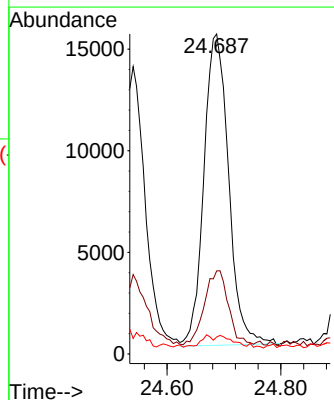
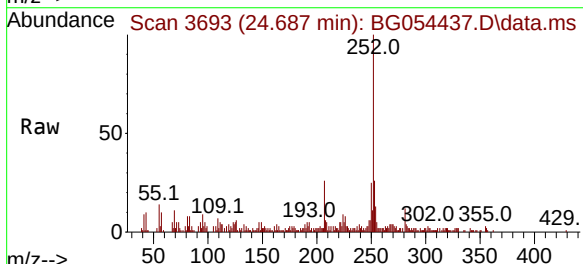
Instrument :
BNA_G
ClientSampleId :
RVE-6

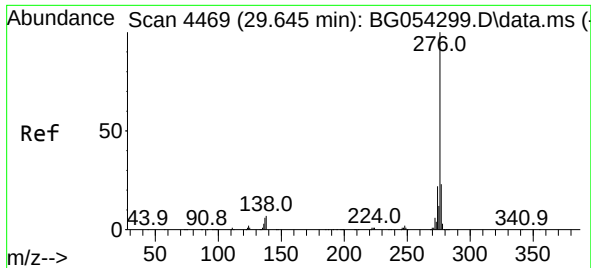
Tgt Ion:252 Resp: 78687
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 4.6 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 6.182 ng
RT: 24.687 min Scan# 3693
Delta R.T. 0.001 min
Lab File: BG054437.D
Acq: 28 Jul 2022 18:33

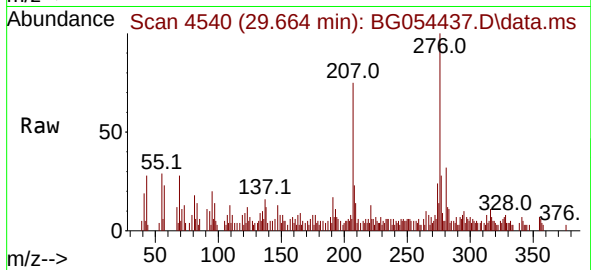
Tgt Ion:252 Resp: 46247
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.8
125 5.3 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.476 ng
 RT: 29.664 min Scan# 4
 Delta R.T. 0.001 min
 Lab File: BG054437.D
 Acq: 28 Jul 2022 18:33

Instrument :
 BNA_G
 ClientSampleId :
 RVE-6



Tgt Ion:	276	Resp:	31788
Ion Ratio	Lower	Upper	
276	100		
277	28.4	17.3	25.9#
138	12.4	9.6	14.4

