

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054454.D
 Acq On : 29 Jul 2022 18:16
 Operator : CG/JU
 Sample : N3894-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-20

Quant Time: Jul 30 03:18:42 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)

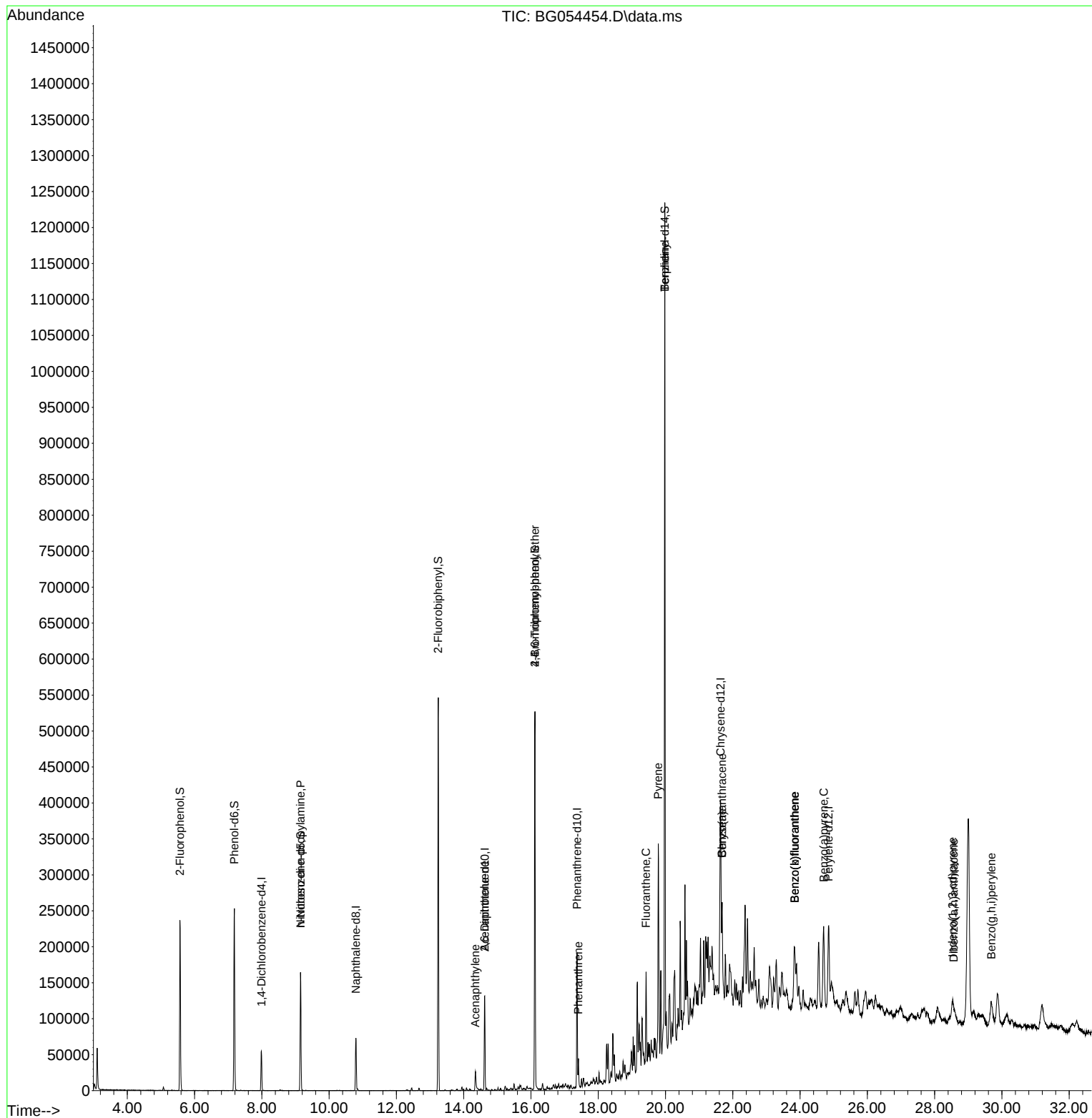
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	18239	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	69246	20.000	ng	# 0.00
39) Acenaphthene-d10	14.626	164	54398	20.000	ng	0.00
64) Phenanthrene-d10	17.370	188	133840	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	146519	20.000	ng	# 0.00
86) Perylene-d12	24.850	264	152349	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	108723	124.459	ng	0.00
7) Phenol-d6	7.182	99	145705	121.725	ng	0.01
23) Nitrobenzene-d5	9.150	82	100957	79.395	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	141628	124.001	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	315442	81.803	ng	0.00
79) Terphenyl-d14	19.979	244	632057	85.578	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.176	77	180	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.150	70	14151	17.704	ng	# 82
49) Acenaphthylene	14.350	152	33827	7.309	ng	97
51) 2,6-Dinitrotoluene	14.620	165	7415	7.956	ng	# 16
67) 4-Bromophenyl-phenylether	16.119	248	8325	4.429	ng	# 1
71) Phenanthrene	17.411	178	29407	4.412	ng	96
75) Fluoranthene	19.421	202	75134	8.269	ng	91
77) Benzidine	19.979	184	9343	3.521	ng	95
78) Pyrene	19.785	202	198395	23.598	ng	98
81) Benzo(a)anthracene	21.683	228	128351	13.800	ng	91
83) Chrysene	21.683	228	128351	14.607	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.534	276	64370	5.554	ng	# 95
88) Benzo(b)fluoranthene	23.839	252	172118	19.104	ng	# 97
89) Benzo(k)fluoranthene	23.839	252	172118	19.195	ng	# 97
90) Benzo(a)pyrene	24.703	252	136685	17.764	ng	97
91) Dibenzo(a,h)anthracene	28.569	278	21313	2.236	ng	# 73
92) Benzo(g,h,i)perylene	29.685	276	91664	9.745	ng	92

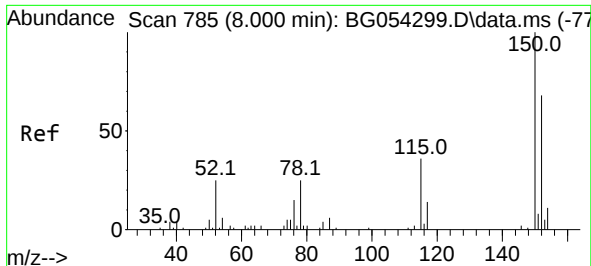
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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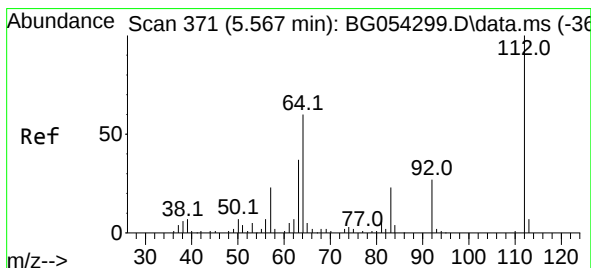
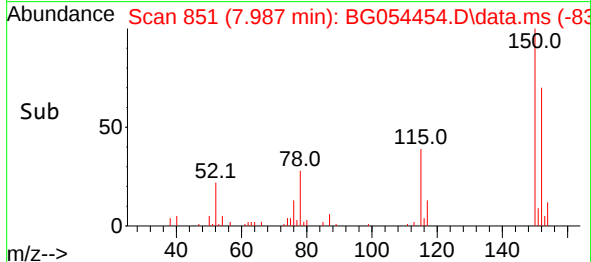
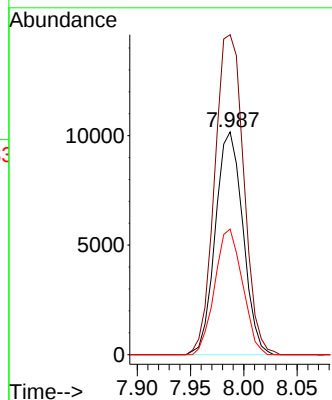
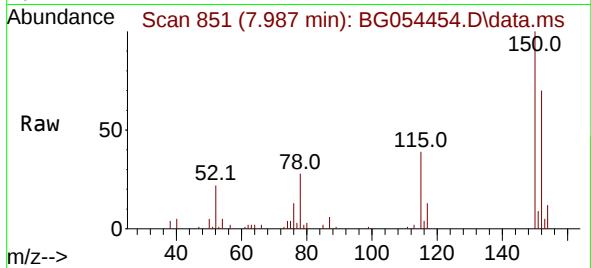




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

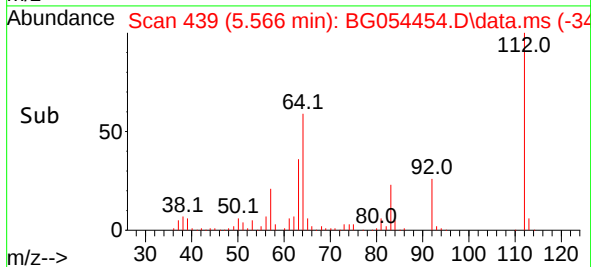
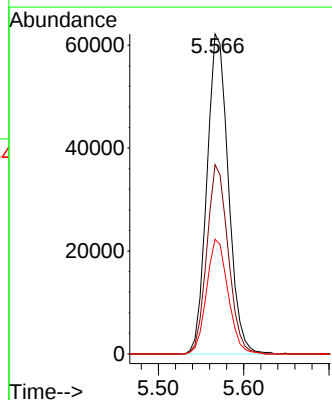
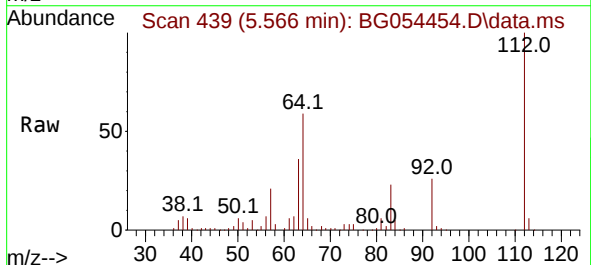
Instrument :
BNA_G
ClientSampleId :
RVE-20

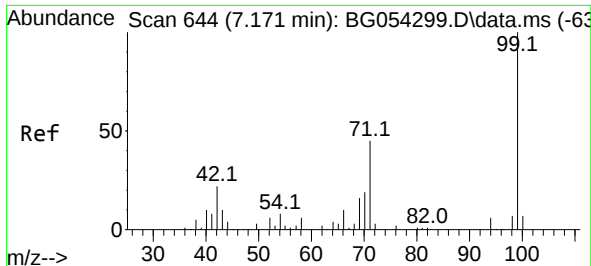
Tgt Ion:152 Resp: 18239
Ion Ratio Lower Upper
152 100
150 143.7 131.6 197.4
115 56.4 50.9 76.3



#5
2-Fluorophenol
Concen: 124.459 ng
RT: 5.566 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:112 Resp: 108723
Ion Ratio Lower Upper
112 100
64 59.1 55.1 82.7
63 35.9 30.4 45.6

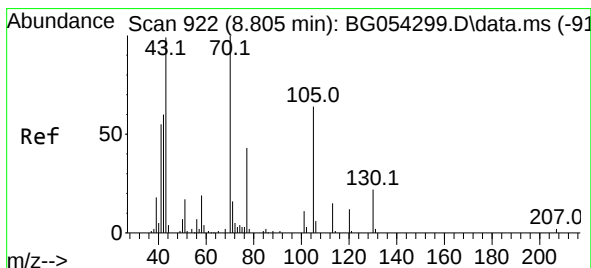
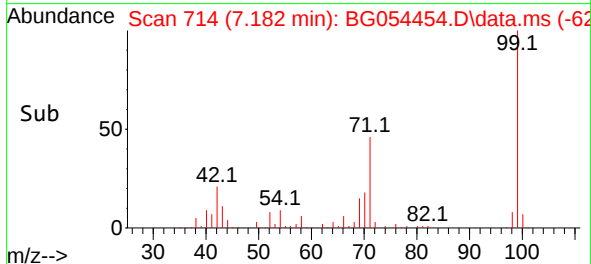
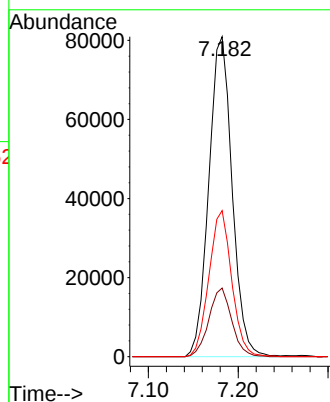
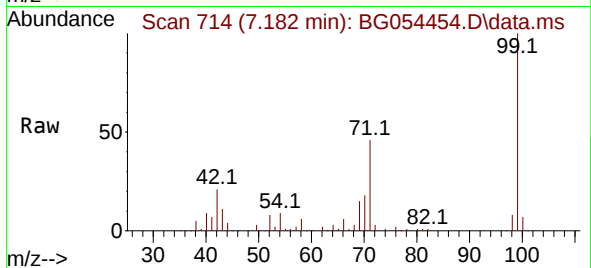




#7
Phenol-d6
Concen: 121.725 ng
RT: 7.182 min Scan# 71
Delta R.T. 0.010 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

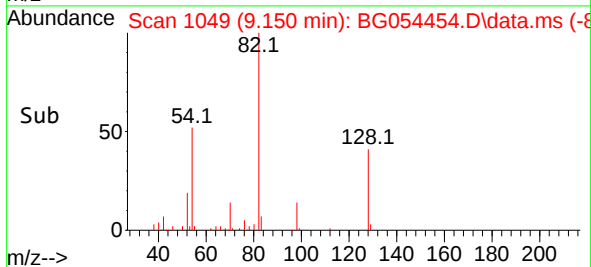
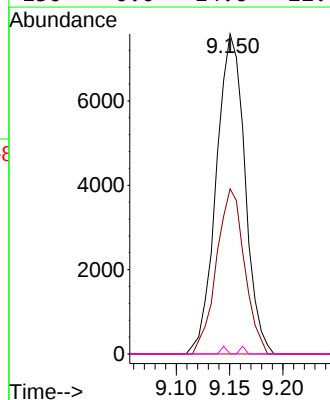
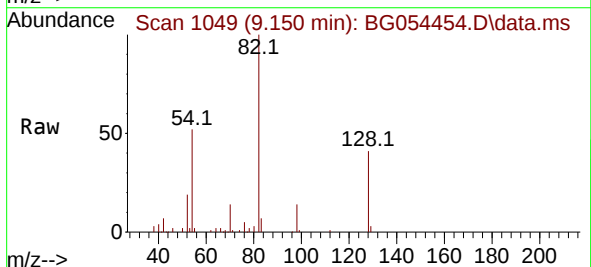
Instrument :
BNA_G
ClientSampleId :
RVE-20

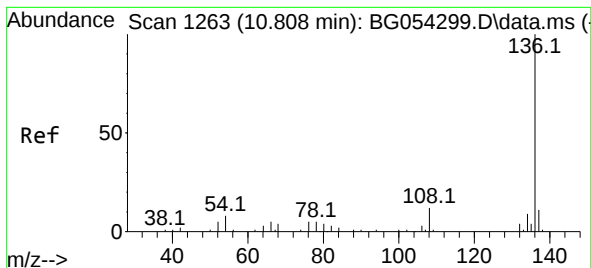
Tgt Ion: 99 Resp: 145705
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 45.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.704 ng
RT: 9.150 min Scan# 1049
Delta R.T. 0.357 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion: 70 Resp: 14151
Ion Ratio Lower Upper
70 100
42 51.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

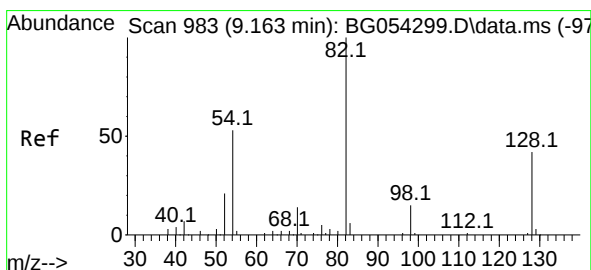
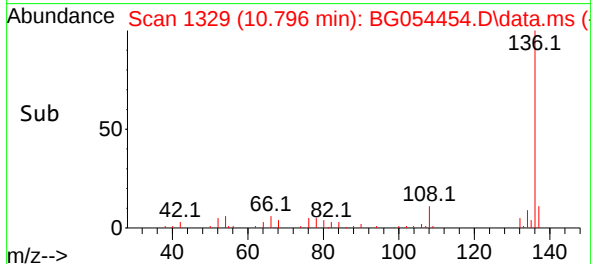
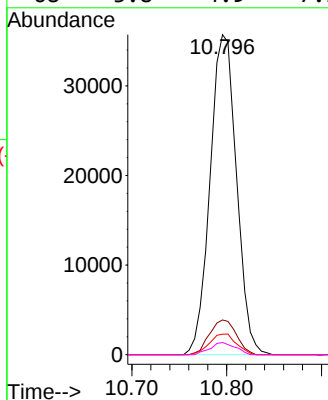
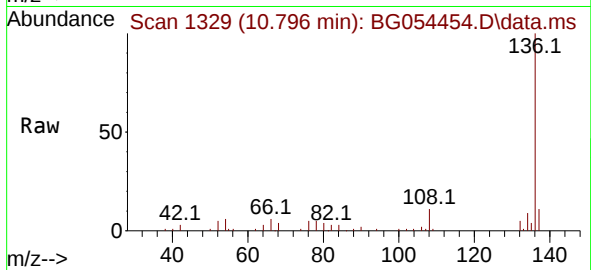




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

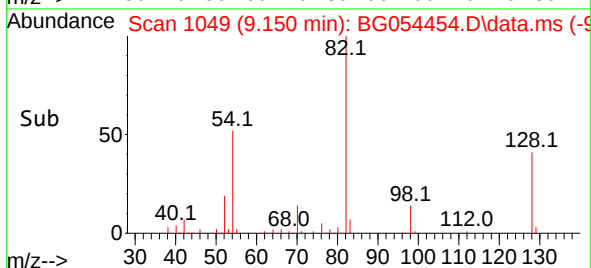
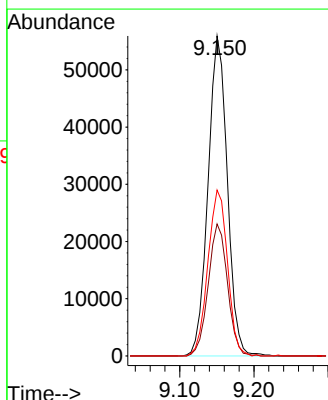
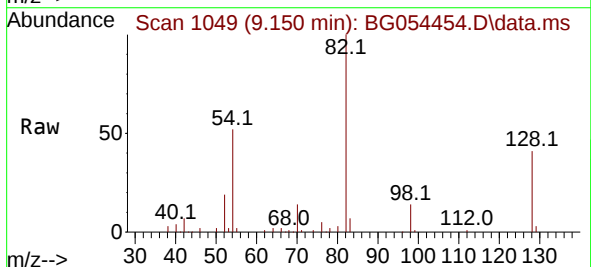
Instrument :
BNA_G
ClientSampleId :
RVE-20

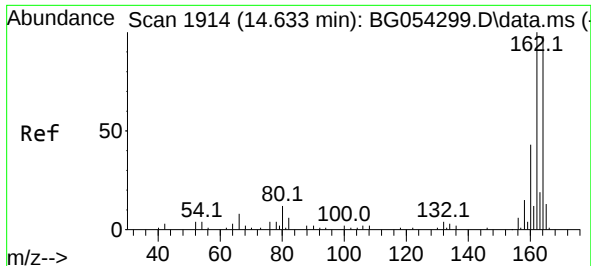
Tgt Ion:	136	Resp:	69246
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.4	7.4	11.2#
68	3.8	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 79.395 ng
RT: 9.150 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:	82	Resp:	100957
Ion Ratio	Lower	Upper	
82	100		
128	41.3	27.9	41.9
54	51.8	41.2	61.8

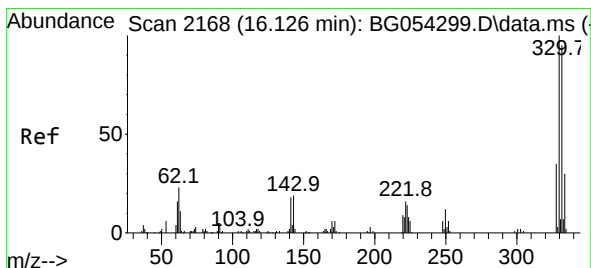
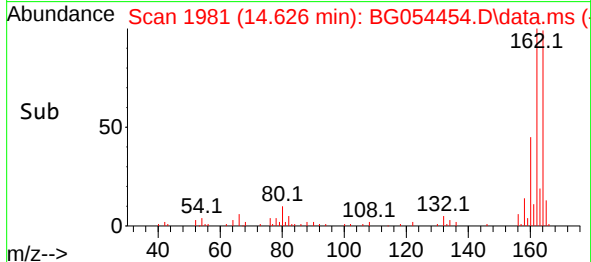
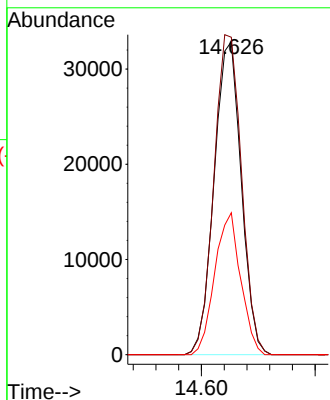
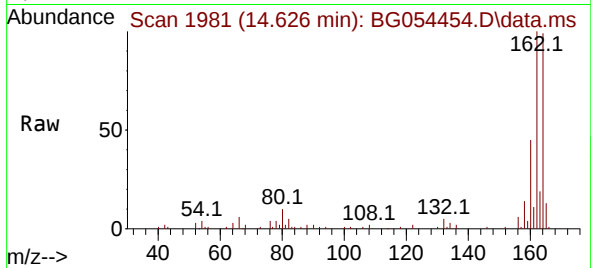




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.626 min Scan# 1914
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

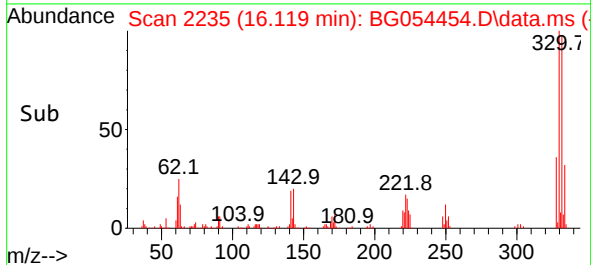
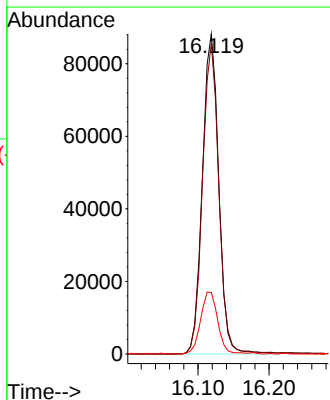
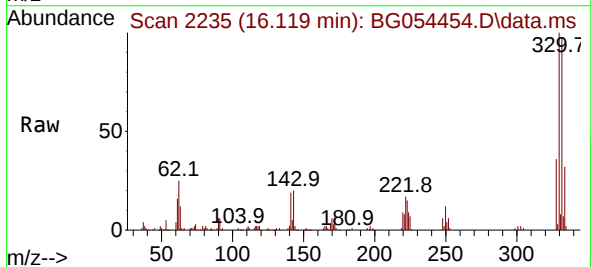
Instrument :
BNA_G
ClientSampleId :
RVE-20

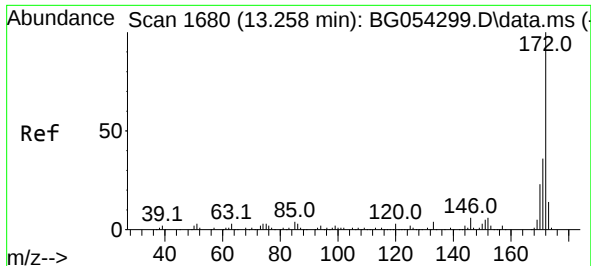
Tgt Ion:164 Resp: 54398
Ion Ratio Lower Upper
164 100
162 101.4 82.3 123.5
160 45.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 124.001 ng
RT: 16.119 min Scan# 2235
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:330 Resp: 141628
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 20.3 27.1 40.7#

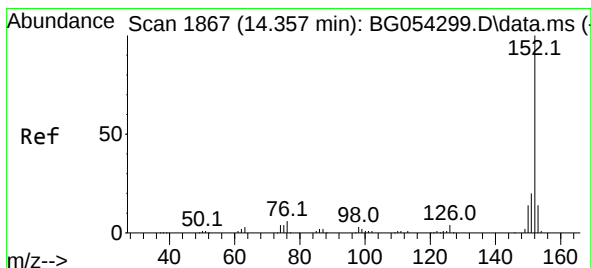
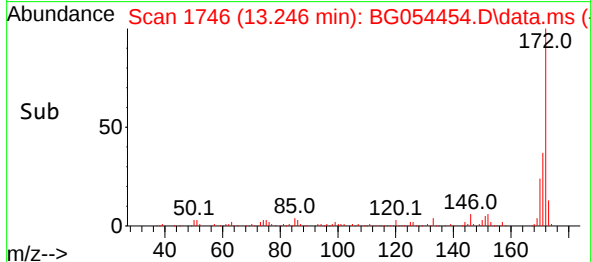
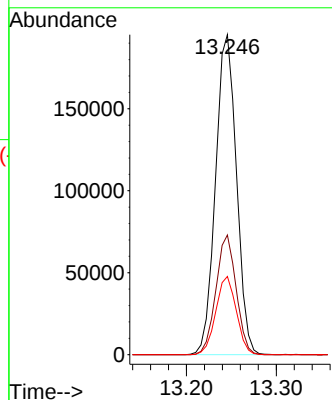
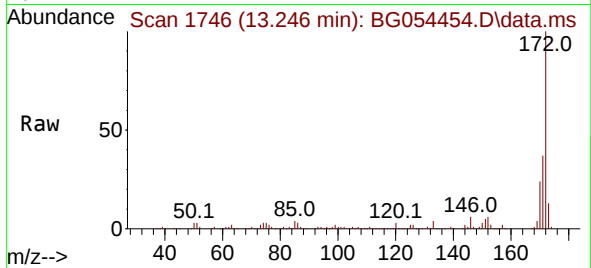




#45
2-Fluorobiphenyl
Concen: 81.803 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

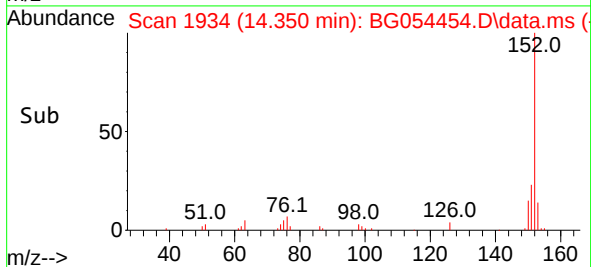
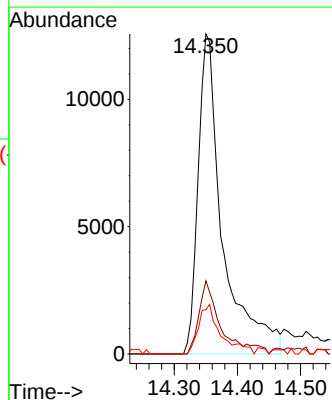
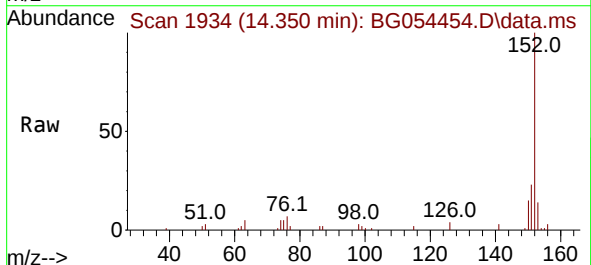
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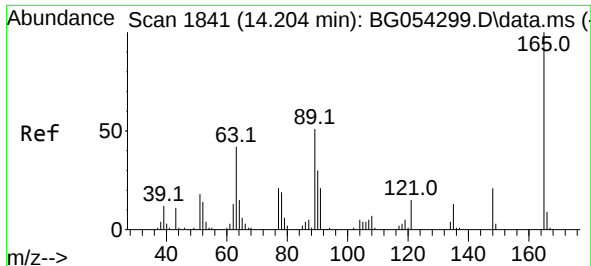
Tgt Ion:172 Resp: 315442
Ion Ratio Lower Upper
172 100
171 37.4 28.5 42.7
170 24.4 18.9 28.3



#49
Acenaphthylene
Concen: 7.309 ng
RT: 14.350 min Scan# 1934
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:152 Resp: 33827
Ion Ratio Lower Upper
152 100
151 22.9 16.4 24.6
153 13.8 10.8 16.2

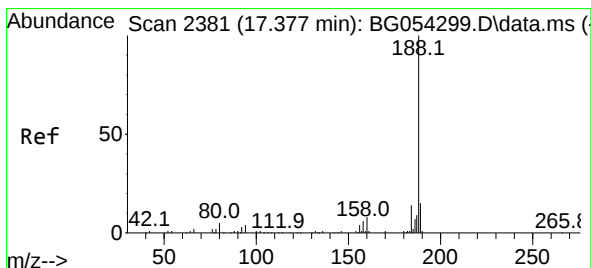
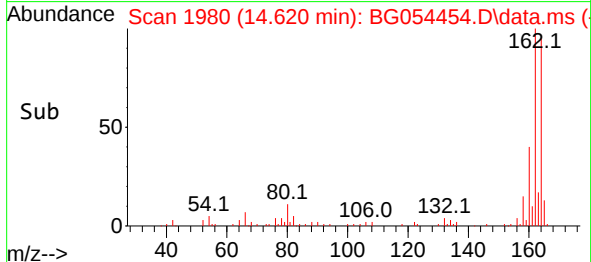
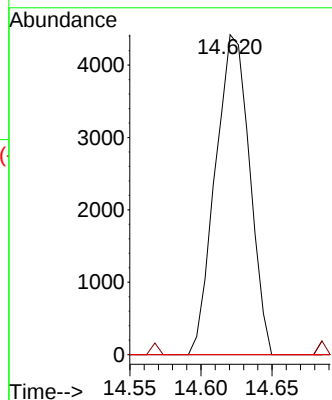
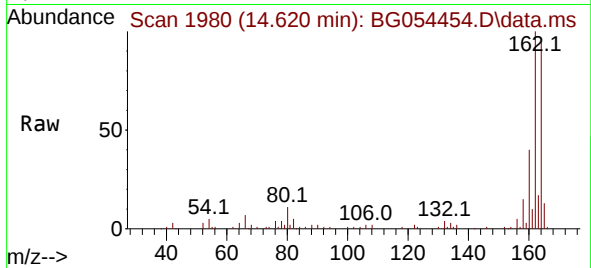




#51
2,6-Dinitrotoluene
Concen: 7.956 ng
RT: 14.620 min Scan# 14
Delta R.T. 0.422 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

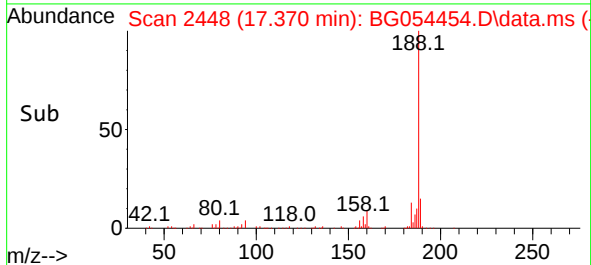
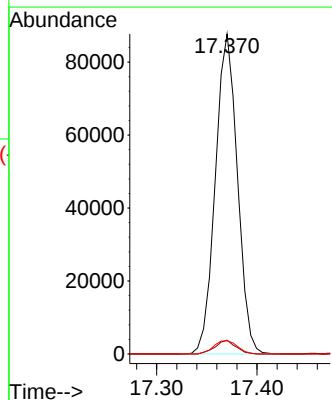
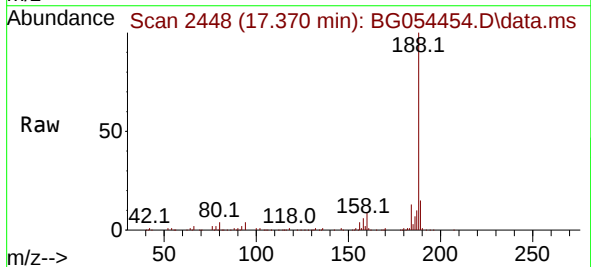
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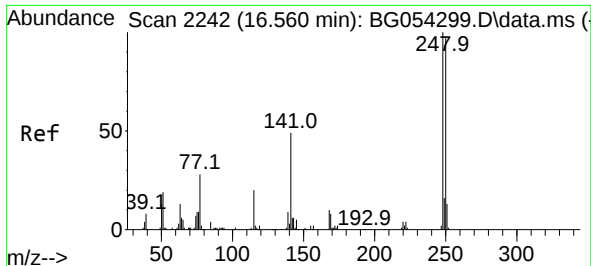
Tgt Ion:165 Resp: 7415
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:188 Resp: 133840
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 4.1 6.8 10.2#

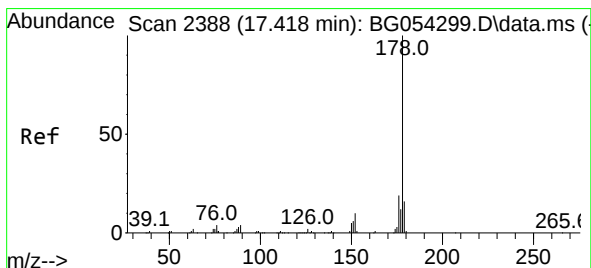
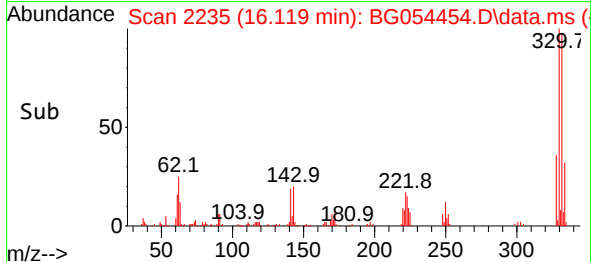
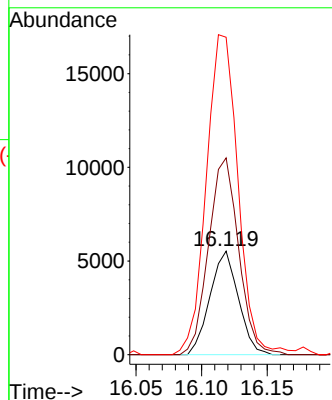
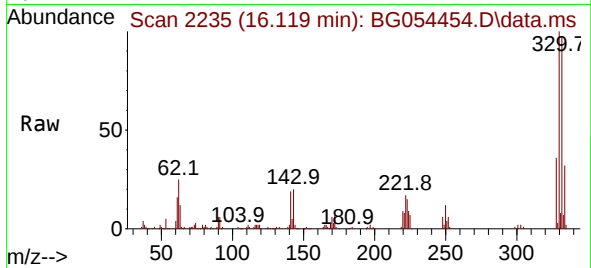




#67
4-Bromophenyl-phenylether
Concen: 4.429 ng
RT: 16.119 min Scan# 21
Delta R.T. -0.436 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

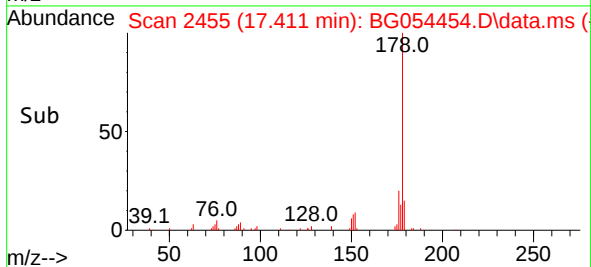
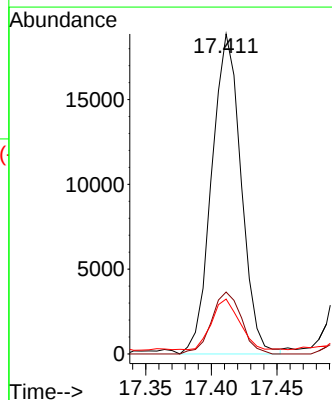
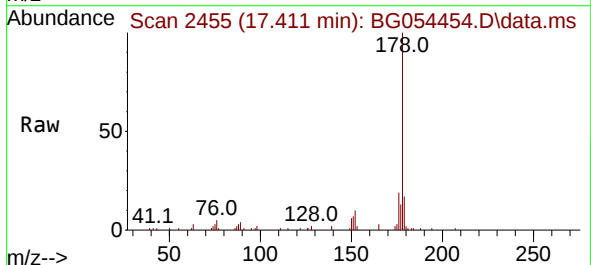
Instrument :
BNA_G
ClientSampleId :
RVE-20

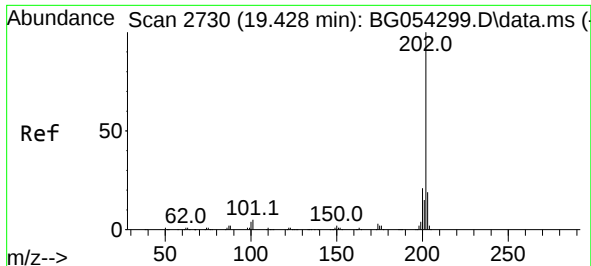
Tgt Ion:248 Resp: 8325
Ion Ratio Lower Upper
248 100
250 251.9 75.2 112.8#
141 306.5 50.0 75.0#



#71
Phenanthrene
Concen: 4.412 ng
RT: 17.411 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:178 Resp: 29407
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 17.2 12.1 18.1

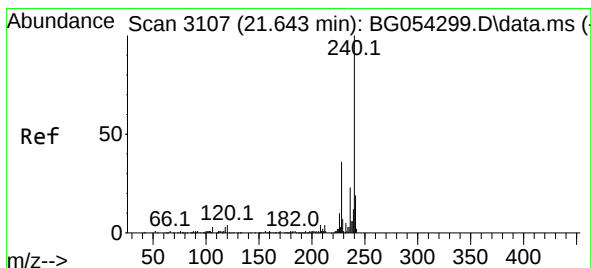
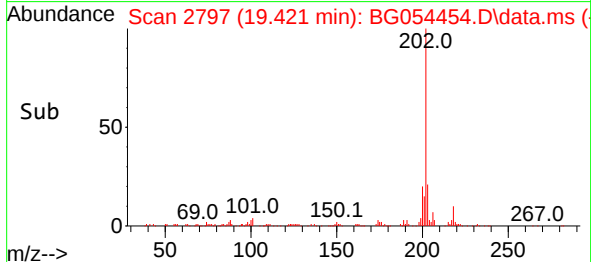
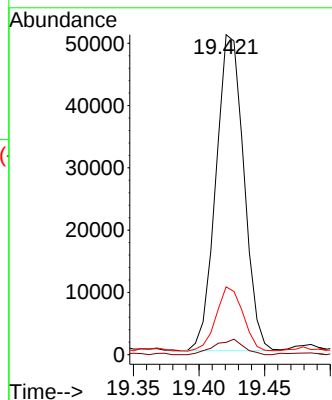
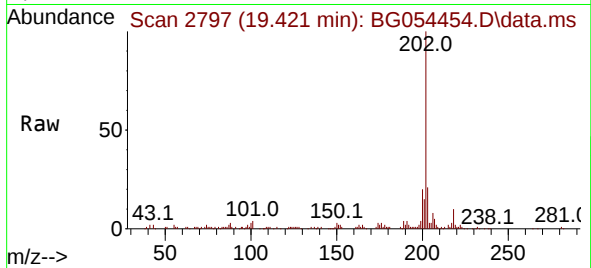




#75
Fluoranthene
Concen: 8.269 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

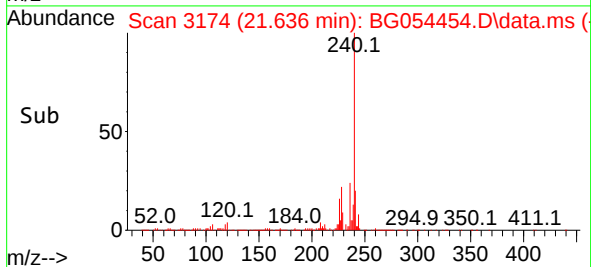
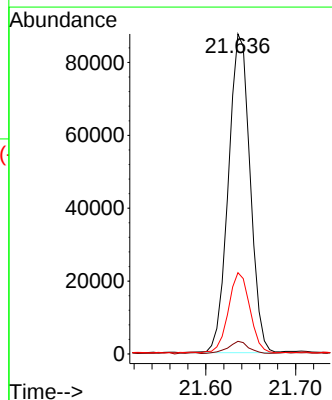
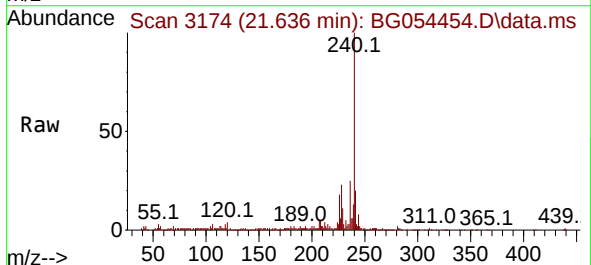
Instrument :
BNA_G
ClientSampleId :
RVE-20

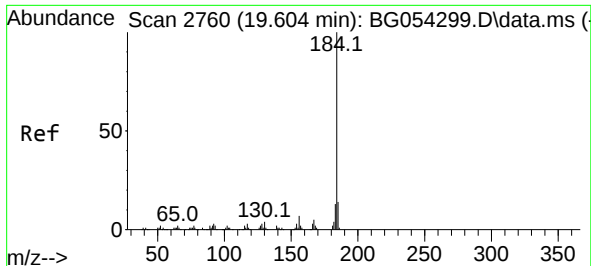
Tgt Ion:202 Resp: 75134
Ion Ratio Lower Upper
202 100
101 3.9 0.0 26.9
203 21.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:240 Resp: 146519
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 25.4 20.2 30.4

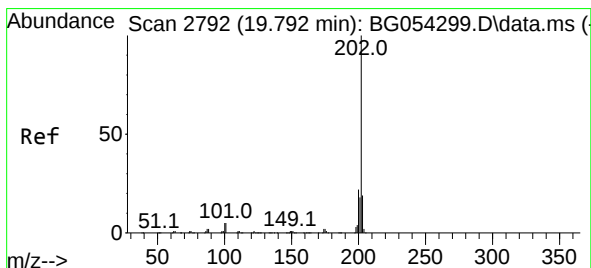
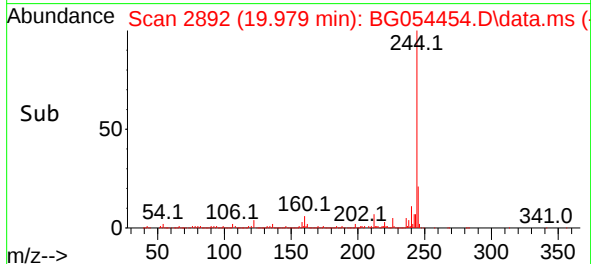
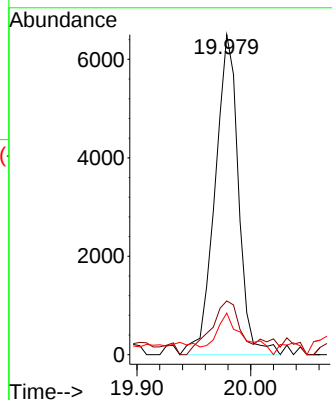
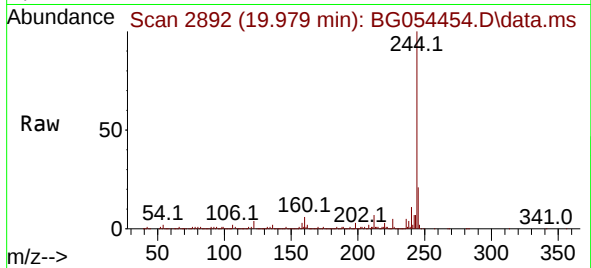




#77
Benzidine
Concen: 3.521 ng
RT: 19.979 min Scan# 2892
Delta R.T. 0.381 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

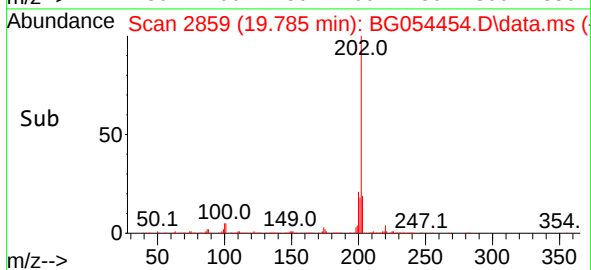
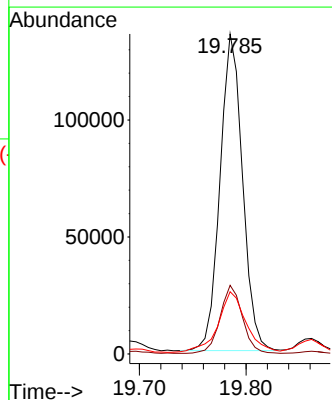
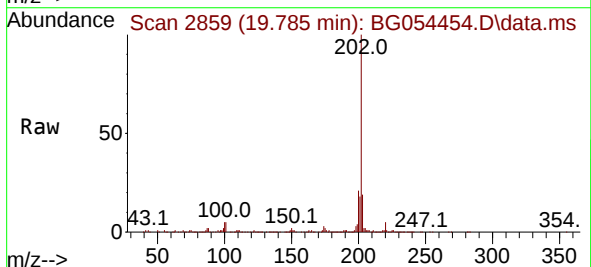
Instrument :
BNA_G
ClientSampleId :
RVE-20

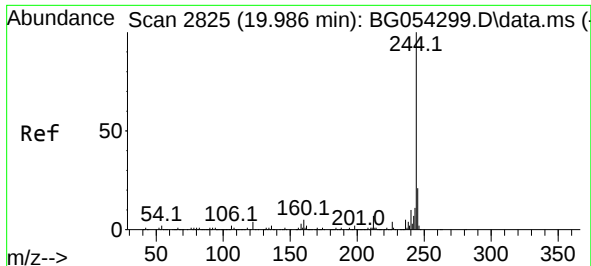
Tgt Ion:184 Resp: 9343
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.6
183 13.0 8.9 13.3



#78
Pyrene
Concen: 23.598 ng
RT: 19.785 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:202 Resp: 198395
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 19.4 14.6 21.8

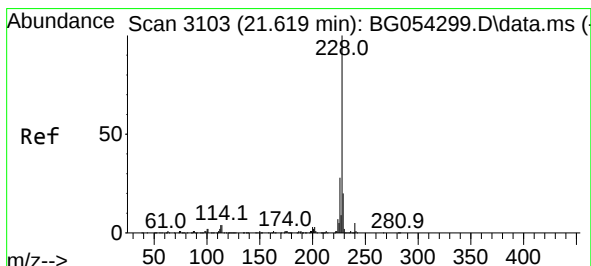
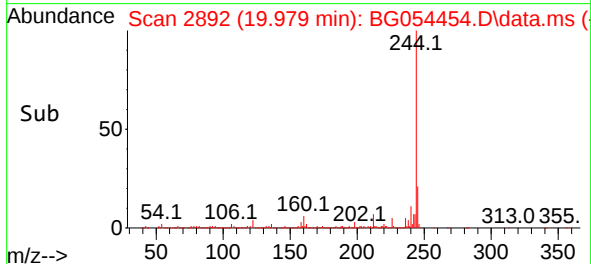
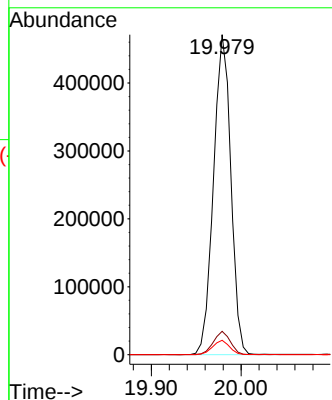
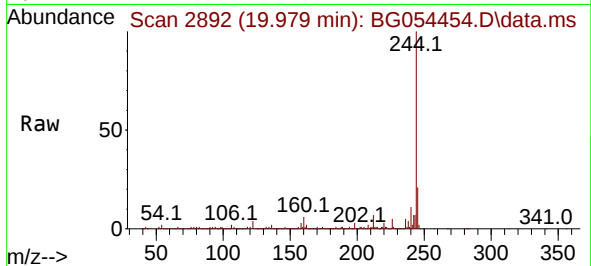




#79
 Terphenyl-d14
 Concen: 85.578 ng
 RT: 19.979 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054454.D
 Acq: 29 Jul 2022 18:16

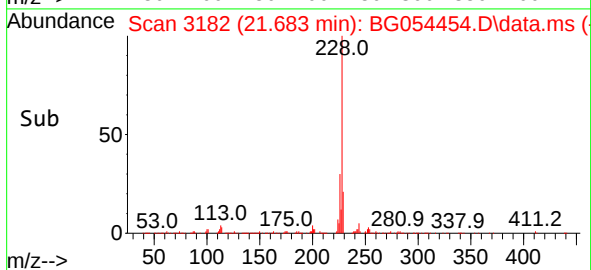
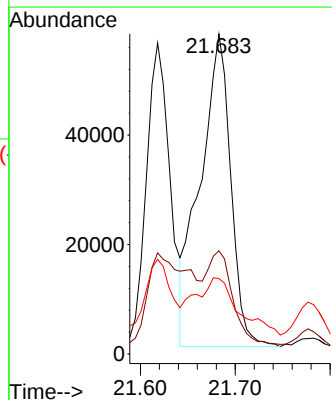
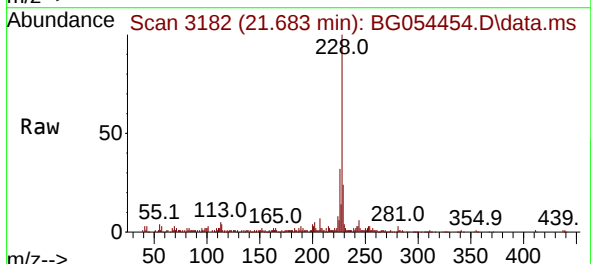
Instrument :
 BNA_G
 ClientSampleId :
 RVE-20

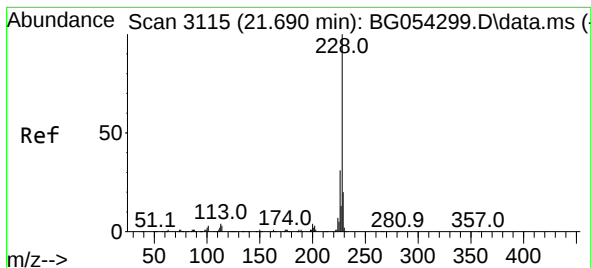
Tgt Ion:244 Resp: 632057
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 13.800 ng
 RT: 21.683 min Scan# 3182
 Delta R.T. 0.069 min
 Lab File: BG054454.D
 Acq: 29 Jul 2022 18:16

Tgt Ion:228 Resp: 128351
 Ion Ratio Lower Upper
 228 100
 226 32.3 21.6 32.4
 229 23.6 16.2 24.2





#83

Chrysene

Concen: 14.607 ng

RT: 21.683 min Scan# 3115

Delta R.T. -0.001 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

Instrument :

BNA_G

ClientSampleId :

RVE-20

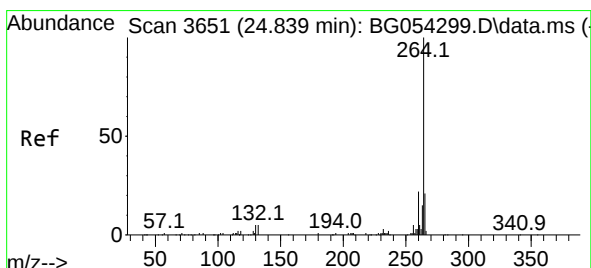
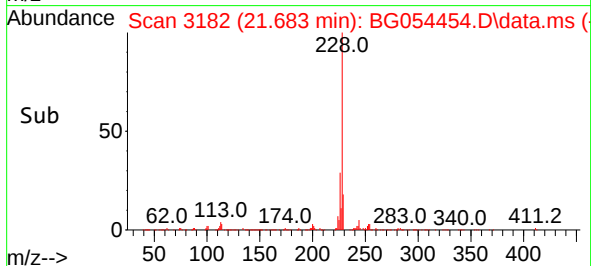
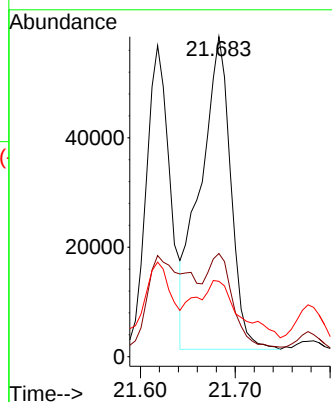
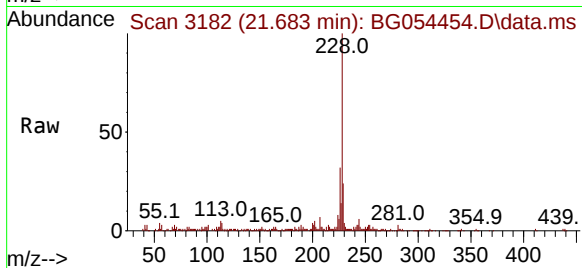
Tgt Ion:228 Resp: 128351

Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.2

229 23.6 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.850 min Scan# 3721

Delta R.T. 0.016 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

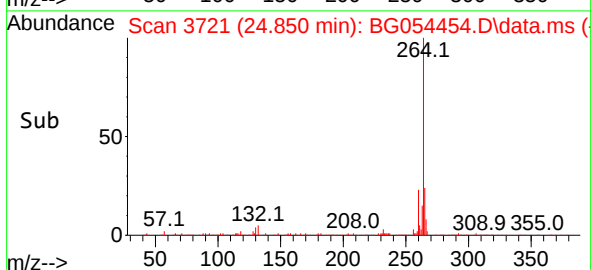
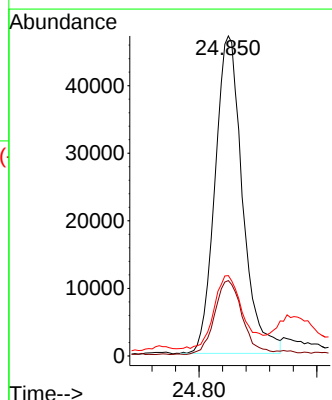
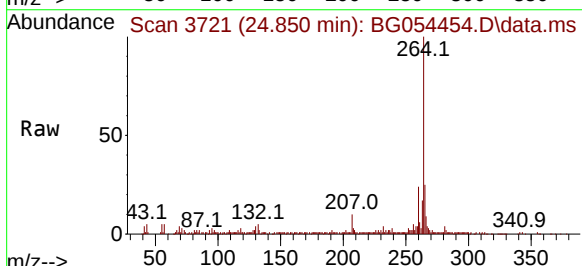
Tgt Ion:264 Resp: 152349

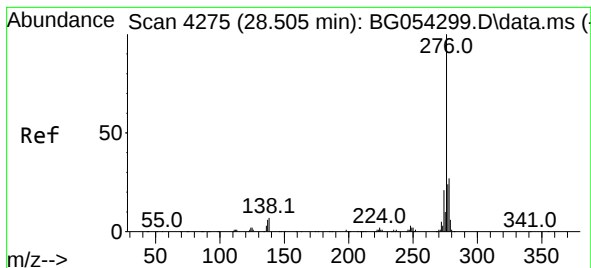
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 25.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.554 ng

RT: 28.534 min Scan# 41

Delta R.T. 0.016 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

Instrument :

BNA_G

ClientSampleId :

RVE-20

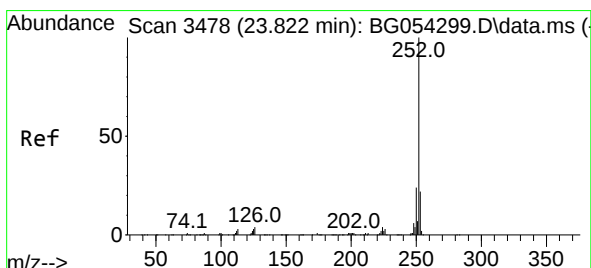
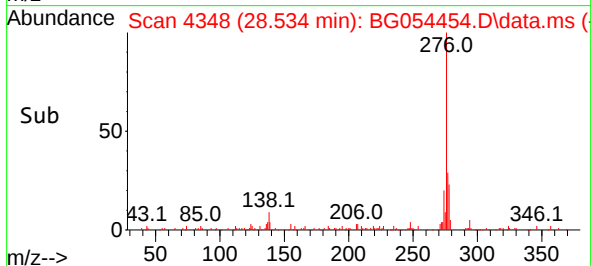
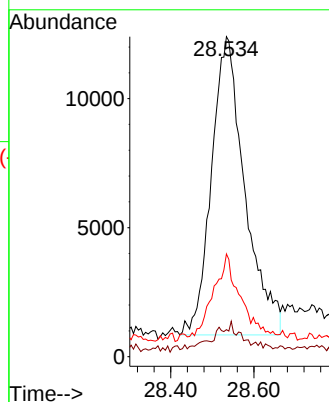
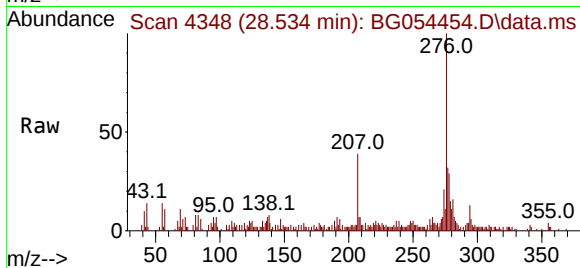
Tgt Ion:276 Resp: 64370

Ion Ratio Lower Upper

276 100

138 1.0 5.0 7.4#

277 24.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 19.104 ng

RT: 23.839 min Scan# 3549

Delta R.T. 0.016 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

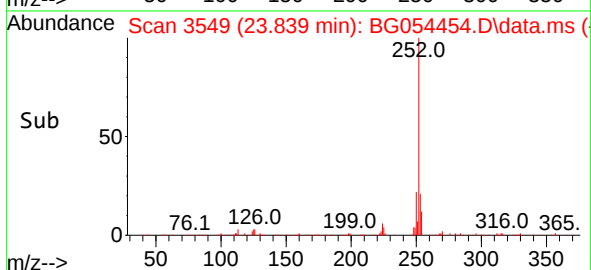
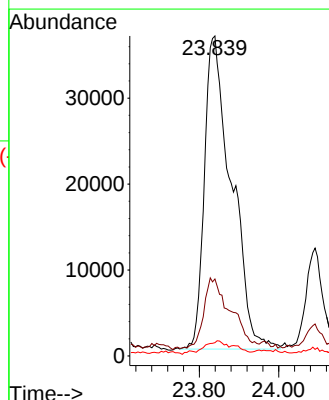
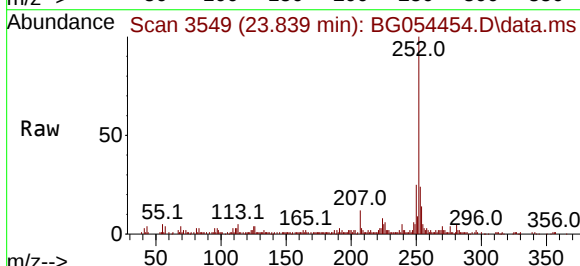
Tgt Ion:252 Resp: 172118

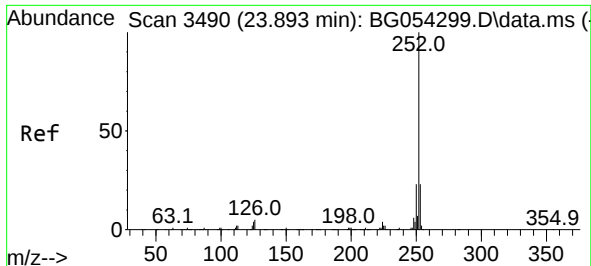
Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

125 4.2 4.6 6.8#

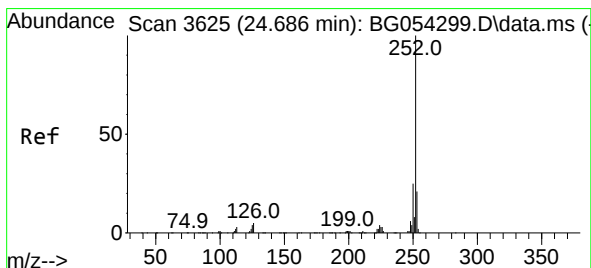
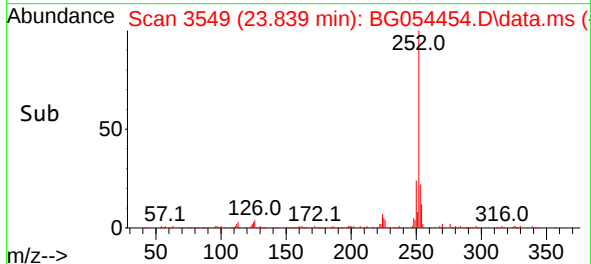
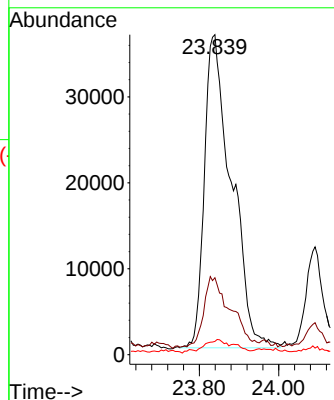
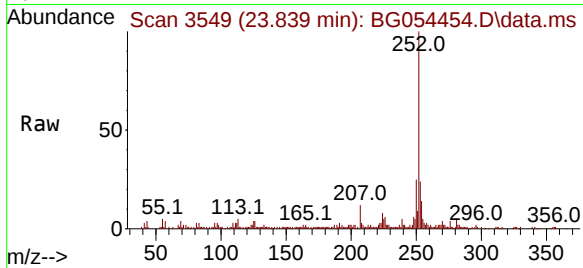




#89
Benzo(k)fluoranthene
Concen: 19.195 ng
RT: 23.839 min Scan# 31
Delta R.T. -0.048 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

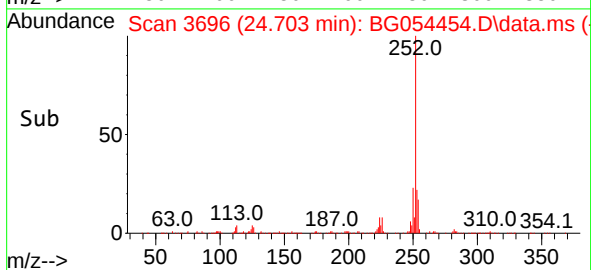
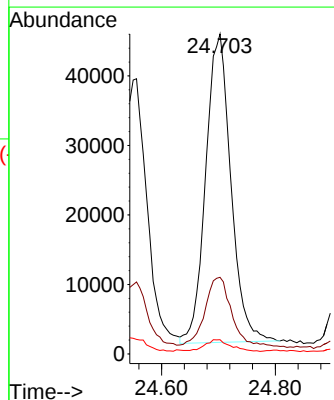
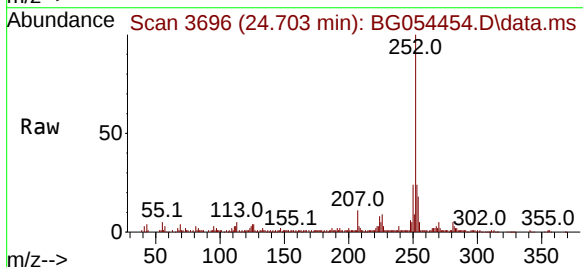
Instrument :
BNA_G
ClientSampleId :
RVE-20

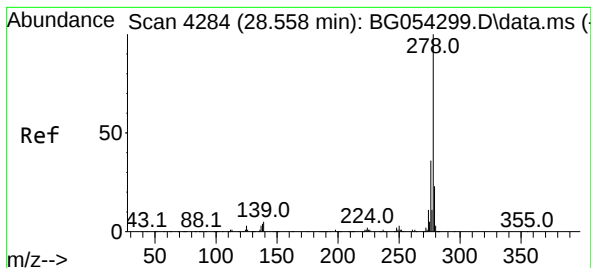
Tgt Ion:252 Resp: 172118
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 4.2 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 17.764 ng
RT: 24.703 min Scan# 3696
Delta R.T. 0.016 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:252 Resp: 136685
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 4.4 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 2.236 ng

RT: 28.569 min Scan# 41

Delta R.T. 0.005 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

Instrument :

BNA_G

ClientSampleId :

RVE-20

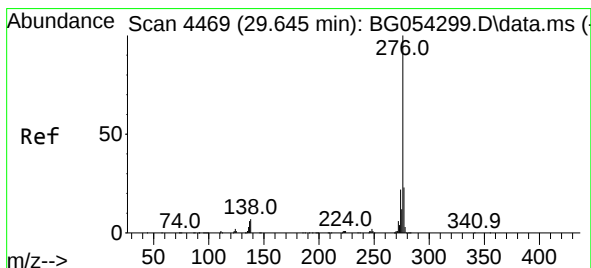
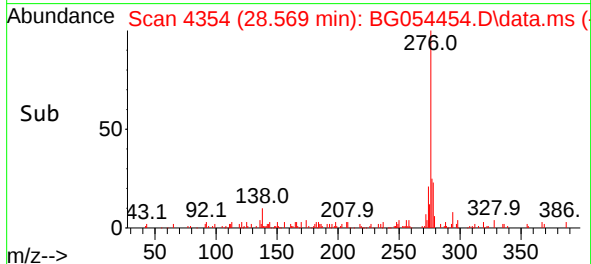
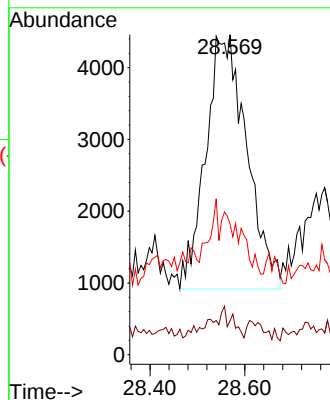
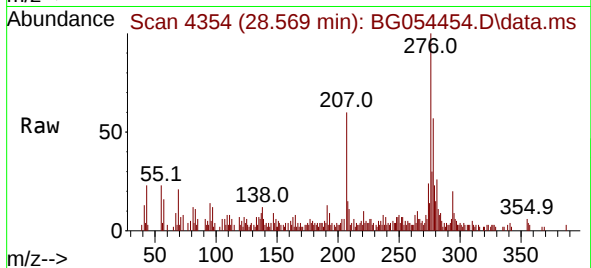
Tgt Ion:278 Resp: 21313

Ion Ratio Lower Upper

278 100

139 10.6 7.2 10.8

279 40.8 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 9.745 ng

RT: 29.685 min Scan# 4544

Delta R.T. 0.022 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

Tgt Ion:276 Resp: 91664

Ion Ratio Lower Upper

276 100

277 25.8 17.3 25.9

138 9.9 9.6 14.4

