

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054482.D
 Acq On : 2 Aug 2022 14:03
 Operator : CG/JU
 Sample : N3894-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-22

Quant Time: Aug 03 04:13:35 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)

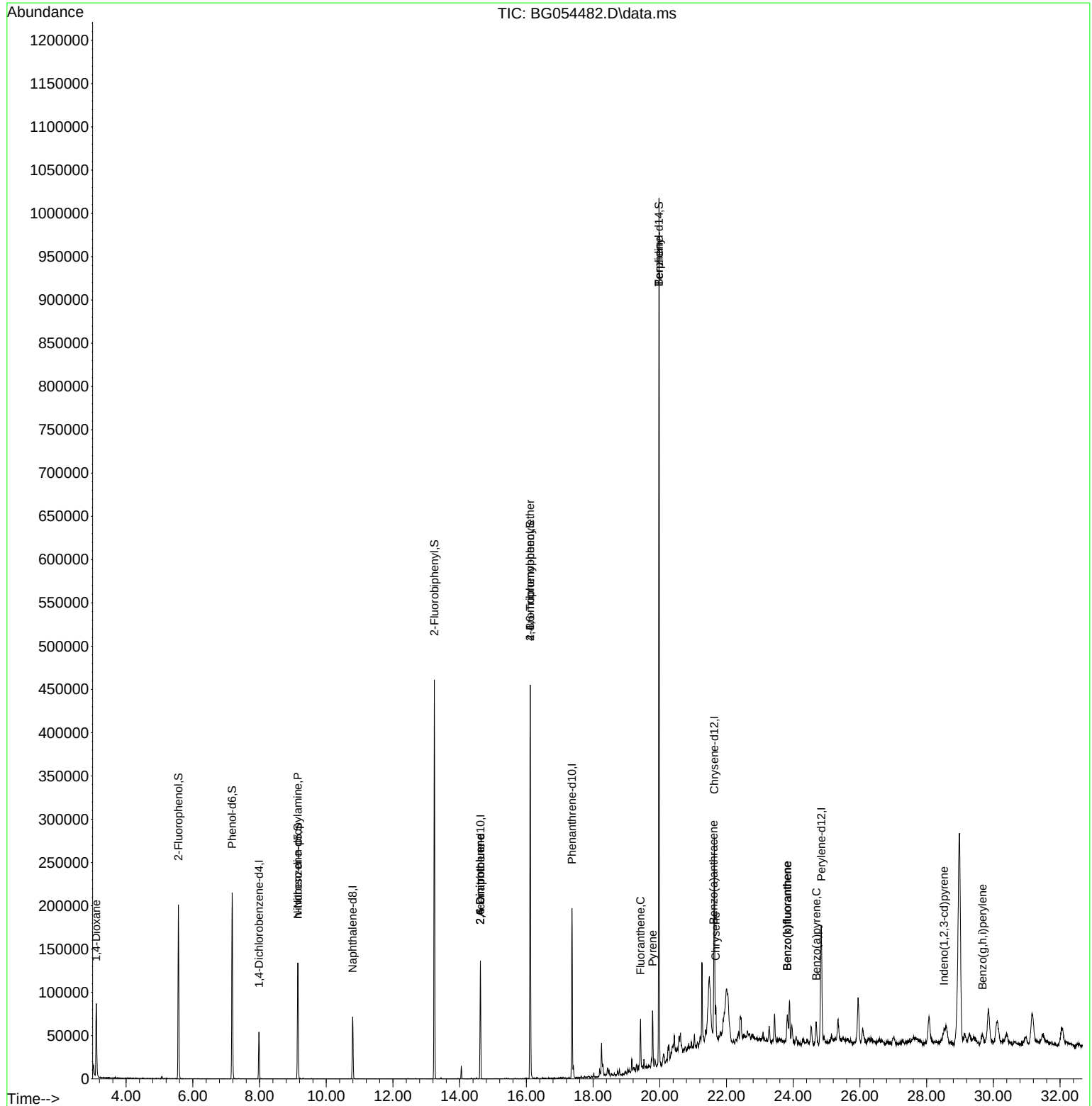
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	16946	20.000	ng	# 0.00
21) Naphthalene-d8	10.792	136	65645	20.000	ng	# 0.00
39) Acenaphthene-d10	14.623	164	51672	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	135053	20.000	ng	# 0.00
76) Chrysene-d12	21.632	240	151813	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	161077	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	91247	112.424	ng	0.00
7) Phenol-d6	7.179	99	124432	111.885	ng	0.00
23) Nitrobenzene-d5	9.147	82	83294	69.098	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	122764	113.155	ng	0.00
45) 2-Fluorobiphenyl	13.242	172	261493	71.390	ng	0.00
79) Terphenyl-d14	19.976	244	573914	74.996	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.101	88	940	2.911	ng	# 1
9) Benzaldehyde	7.185	77	56	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.147	70	11493	15.475	ng	# 81
51) 2,6-Dinitrotoluene	14.617	165	7359	8.313	ng	# 16
57) 2,4-Dinitrotoluene	14.617	165	7359	5.799	ng	# 21
67) 4-Bromophenyl-phenylether	16.115	248	6997	3.689	ng	# 1
75) Fluoranthene	19.423	202	35184	3.838	ng	95
77) Benzidine	19.976	184	7371	2.681	ng	# 91
78) Pyrene	19.782	202	46835	5.377	ng	99
81) Benzo(a)anthracene	21.615	228	21234	2.203	ng	95
83) Chrysene	21.679	228	32375	3.556	ng	95
87) Indeno(1,2,3-cd)pyrene	28.518	276	24748	2.020	ng	# 95
88) Benzo(b)fluoranthene	23.824	252	39700	4.168	ng	93
89) Benzo(k)fluoranthene	23.824	252	39700	4.188	ng	93
90) Benzo(a)pyrene	24.694	252	27056	3.326	ng	99
92) Benzo(g,h,i)perylene	29.676	276	25395	2.554	ng	# 93

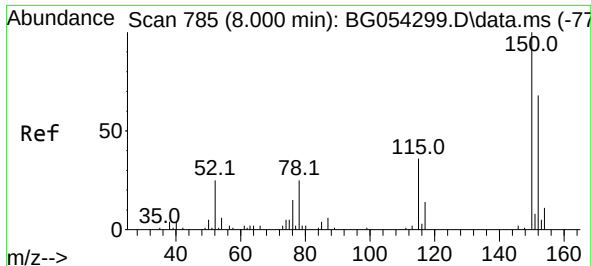
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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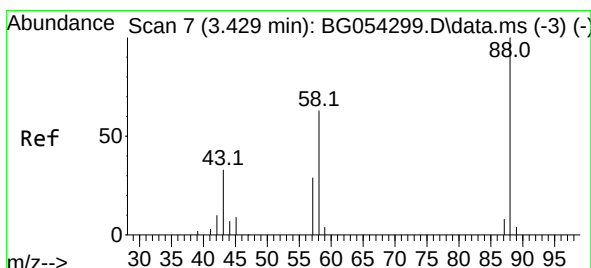
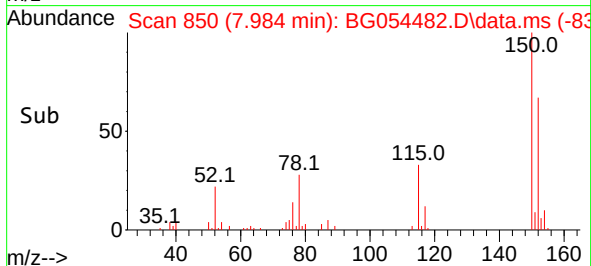
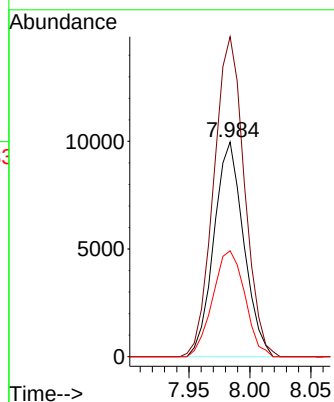
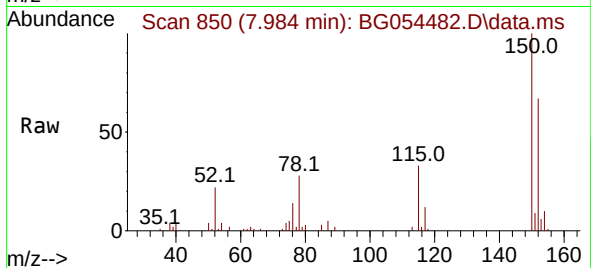




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.984 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG054482.D
 Acq: 2 Aug 2022 14:03

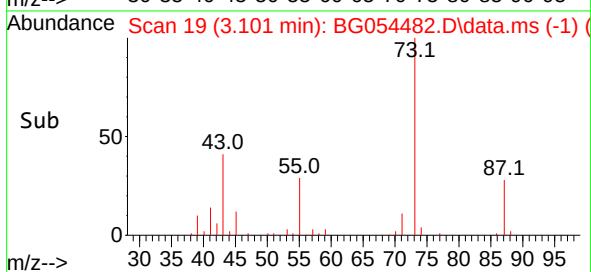
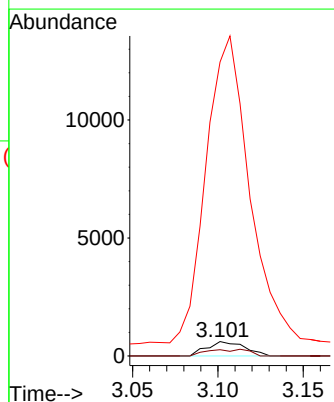
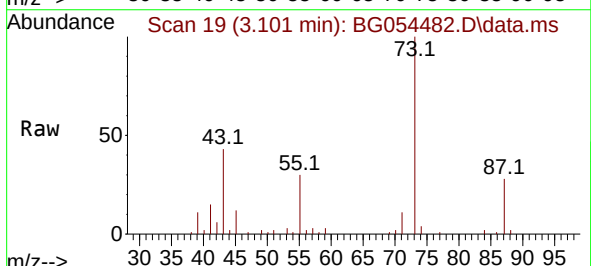
Instrument :
 BNA_G
 ClientSampleId :
 RVE-22

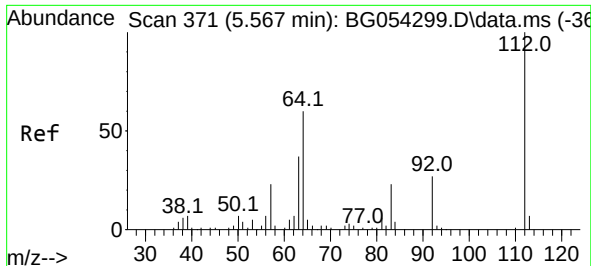
Tgt Ion:152 Resp: 16946
 Ion Ratio Lower Upper
 152 100
 150 149.0 131.6 197.4
 115 49.3 50.9 76.3#



#2
 1,4-Dioxane
 Concen: 2.911 ng
 RT: 3.101 min Scan# 19
 Delta R.T. -0.316 min
 Lab File: BG054482.D
 Acq: 2 Aug 2022 14:03

Tgt Ion: 88 Resp: 940
 Ion Ratio Lower Upper
 88 100
 58 50.2 59.2 88.8#
 43 2604.4 24.3 36.5#

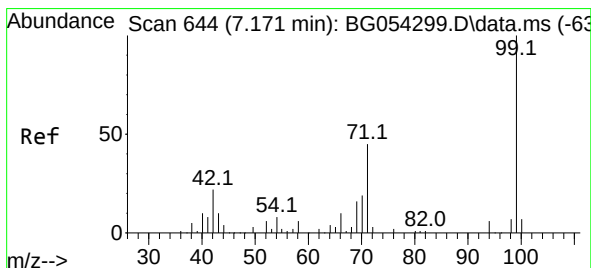
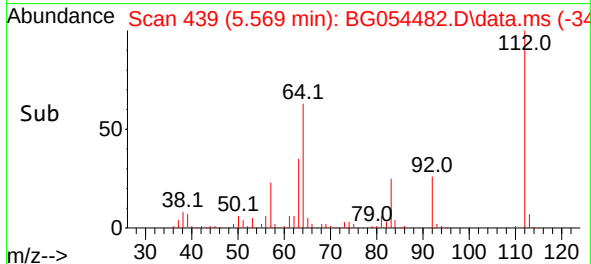
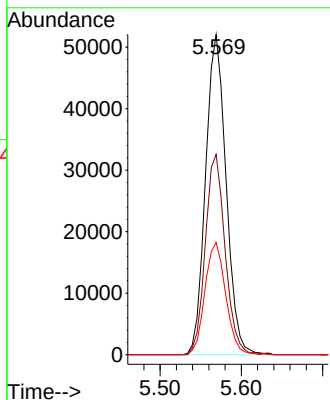
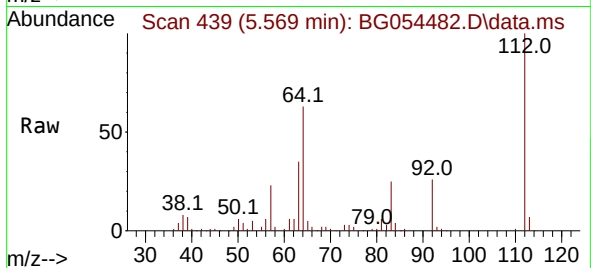




#5
2-Fluorophenol
Concen: 112.424 ng
RT: 5.569 min Scan# 41
Delta R.T. 0.007 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

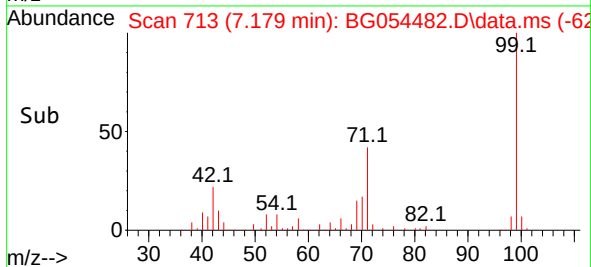
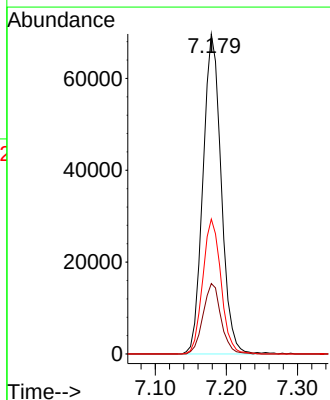
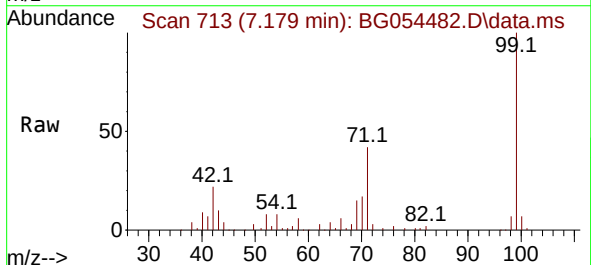
Instrument :
BNA_G
ClientSampleId :
RVE-22

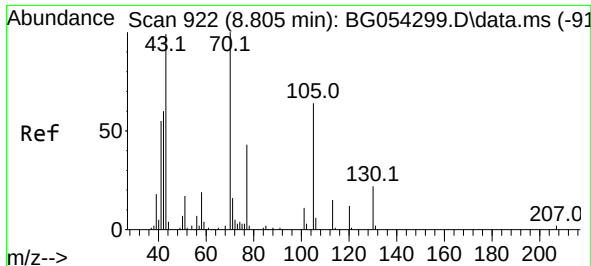
Tgt Ion:112 Resp: 91247
Ion Ratio Lower Upper
112 100
64 62.6 55.1 82.7
63 35.0 30.4 45.6



#7
Phenol-d6
Concen: 111.885 ng
RT: 7.179 min Scan# 713
Delta R.T. 0.007 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

Tgt Ion: 99 Resp: 124432
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 42.2 33.8 50.8





#19

n-Nitroso-di-n-propylamine

Concen: 15.475 ng

RT: 9.147 min Scan# 1

Delta R.T. 0.354 min

Lab File: BG054482.D

Acq: 2 Aug 2022 14:03

Instrument :

BNA_G

ClientSampleId :

RVE-22

Tgt Ion: 70 Resp: 11493

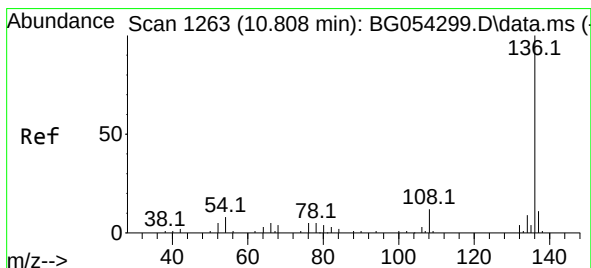
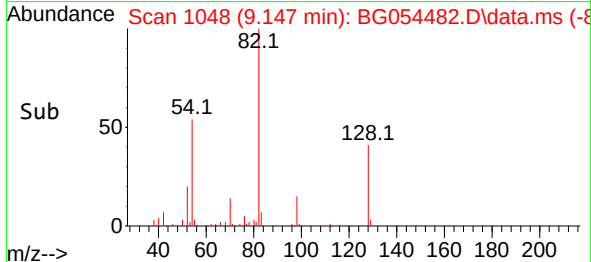
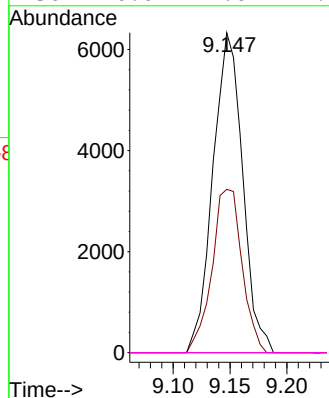
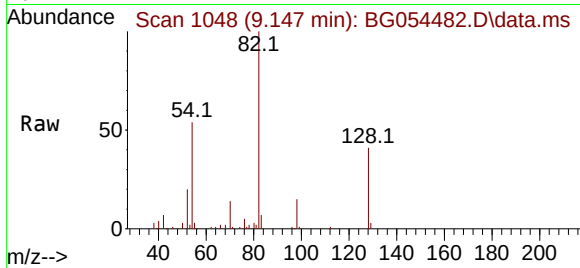
Ion Ratio Lower Upper

70 100

42 51.1 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# 1328

Delta R.T. -0.005 min

Lab File: BG054482.D

Acq: 2 Aug 2022 14:03

Tgt Ion:136 Resp: 65645

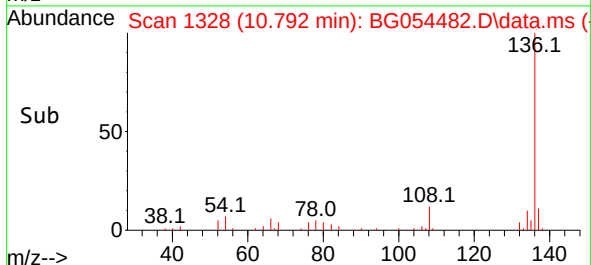
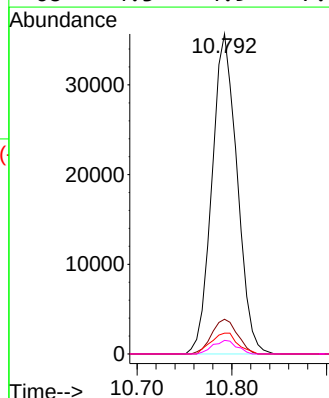
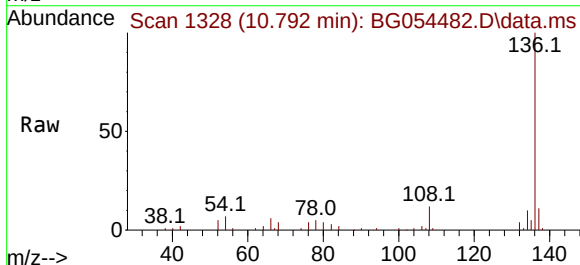
Ion Ratio Lower Upper

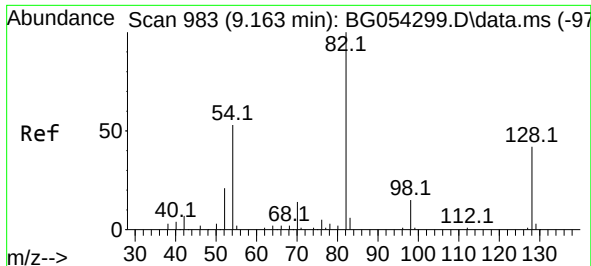
136 100

137 10.8 8.5 12.7

54 6.5 7.4 11.2#

68 4.3 4.9 7.3#

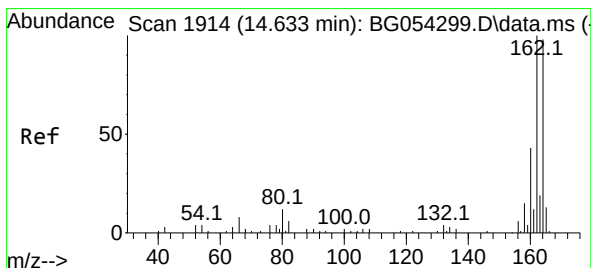
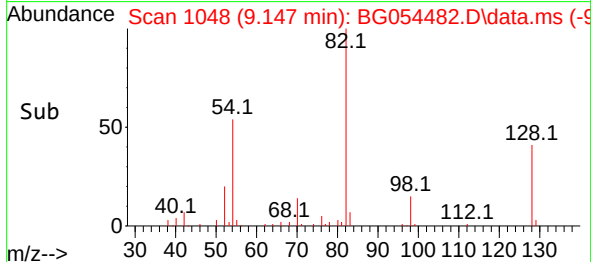
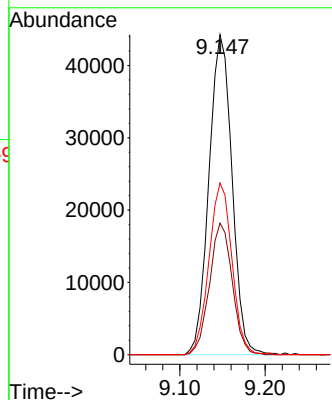
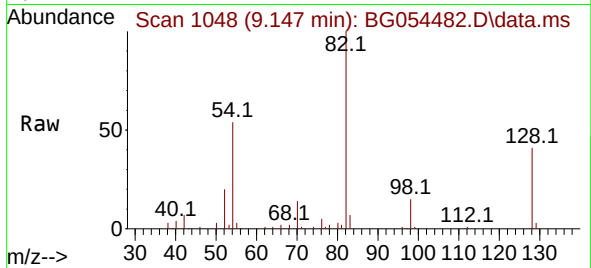




#23
Nitrobenzene-d5
Concen: 69.098 ng
RT: 9.147 min Scan# 1048
Delta R.T. -0.005 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

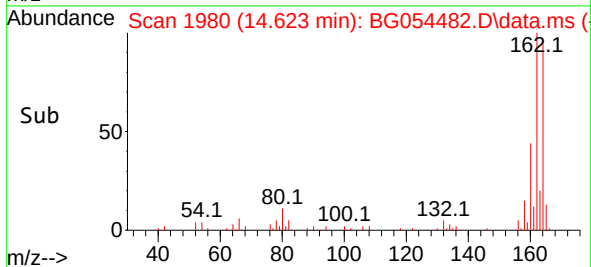
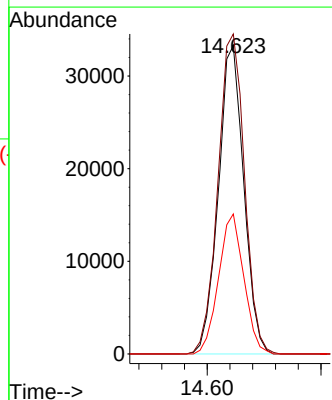
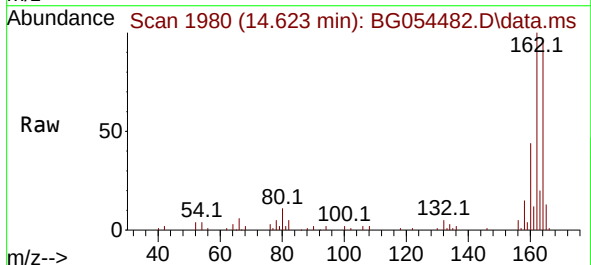
Instrument :
BNA_G
ClientSampleId :
RVE-22

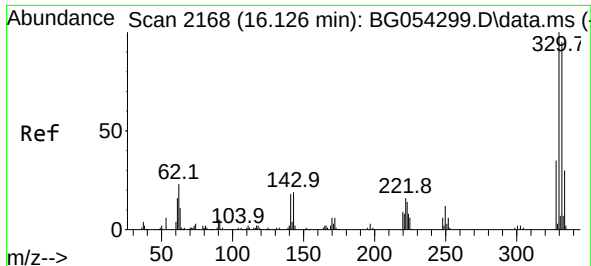
Tgt Ion: 82 Resp: 83294
Ion Ratio Lower Upper
82 100
128 41.1 27.9 41.9
54 53.7 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1980
Delta R.T. 0.001 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

Tgt Ion:164 Resp: 51672
Ion Ratio Lower Upper
164 100
162 103.7 82.3 123.5
160 45.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 113.155 ng

RT: 16.115 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054482.D

Acq: 2 Aug 2022 14:03

Instrument :

BNA_G

ClientSampleId :

RVE-22

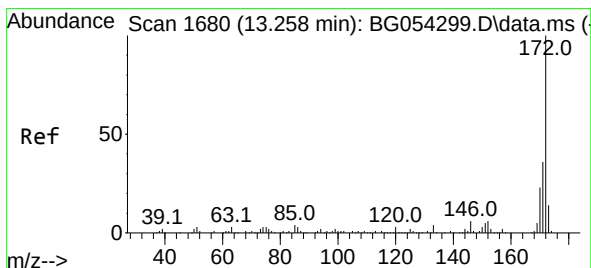
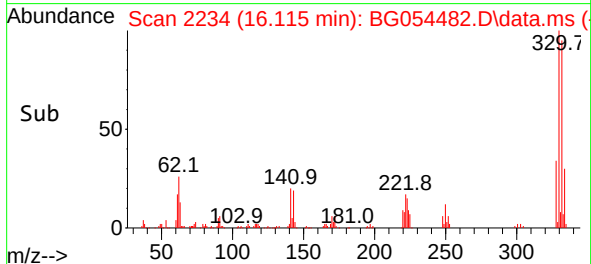
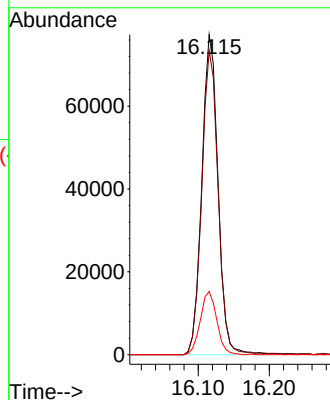
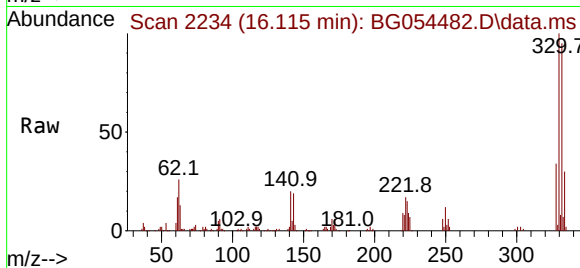
Tgt Ion:330 Resp: 122764

Ion Ratio Lower Upper

330 100

332 96.2 76.0 114.0

141 20.0 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 71.390 ng

RT: 13.242 min Scan# 1745

Delta R.T. -0.005 min

Lab File: BG054482.D

Acq: 2 Aug 2022 14:03

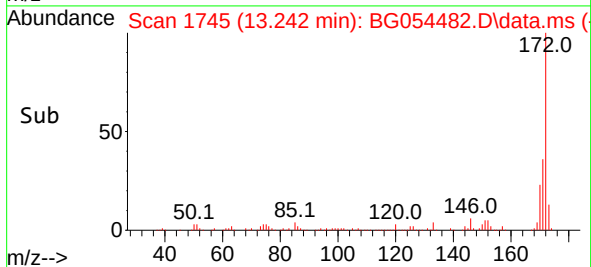
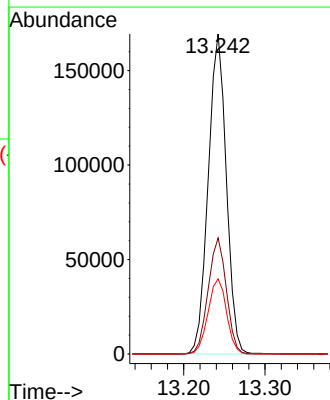
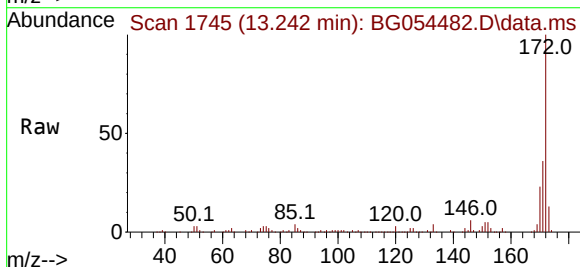
Tgt Ion:172 Resp: 261493

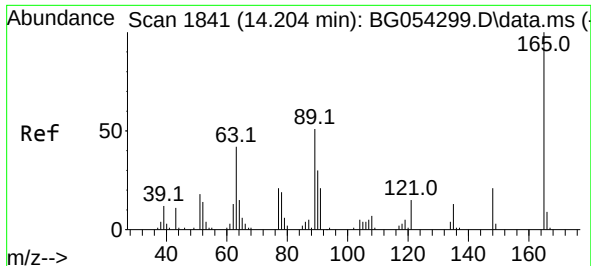
Ion Ratio Lower Upper

172 100

171 36.3 28.5 42.7

170 23.5 18.9 28.3

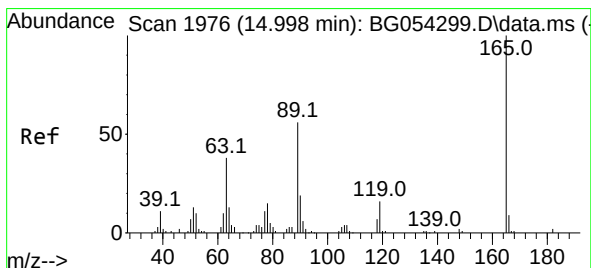
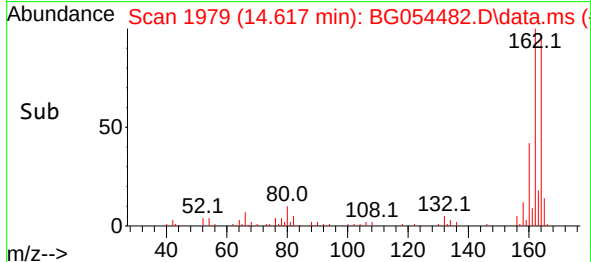
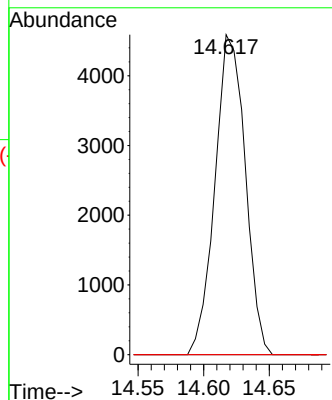
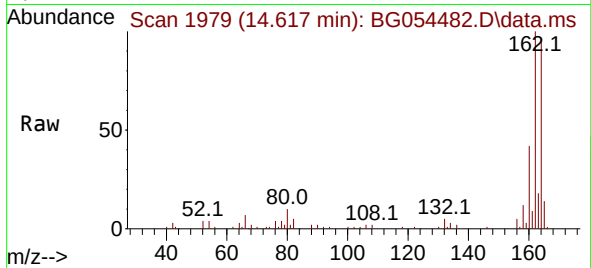




#51
2,6-Dinitrotoluene
Concen: 8.313 ng
RT: 14.617 min Scan# 1979
Delta R.T. 0.418 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

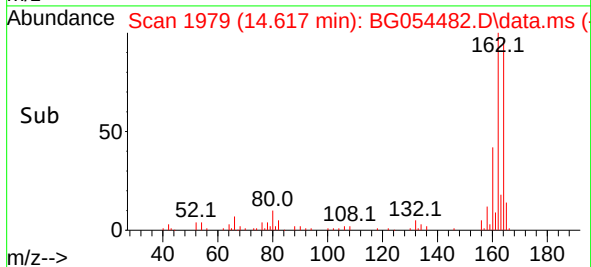
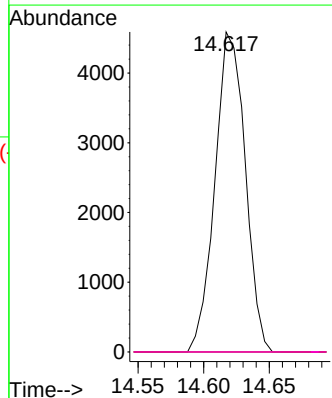
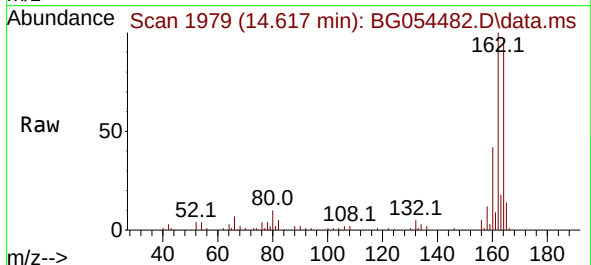
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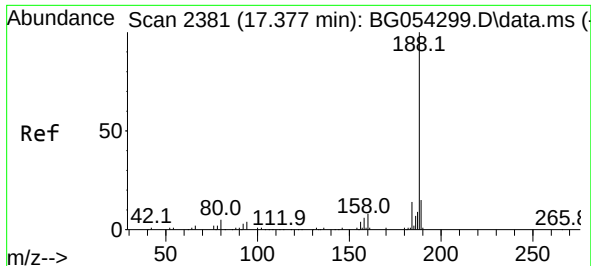
Tgt Ion:165 Resp: 7359
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.799 ng
RT: 14.617 min Scan# 1979
Delta R.T. -0.375 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

Tgt Ion:165 Resp: 7359
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#

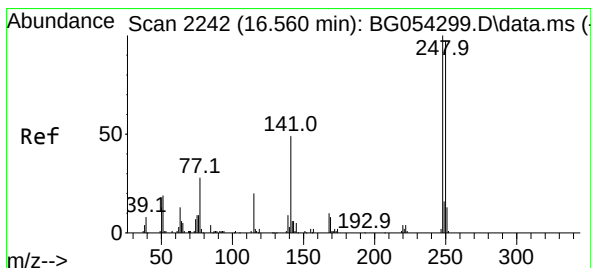
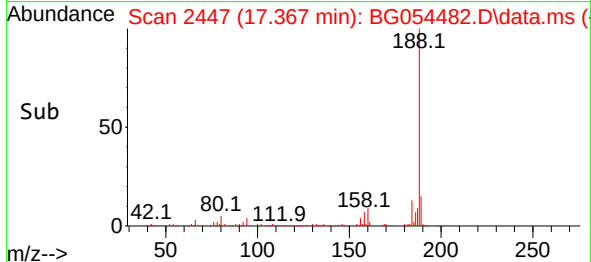
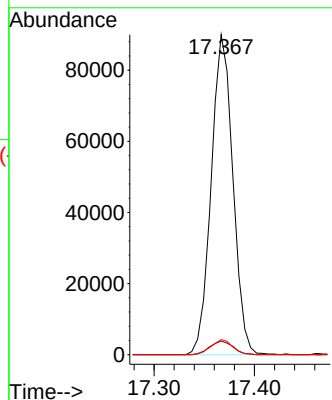
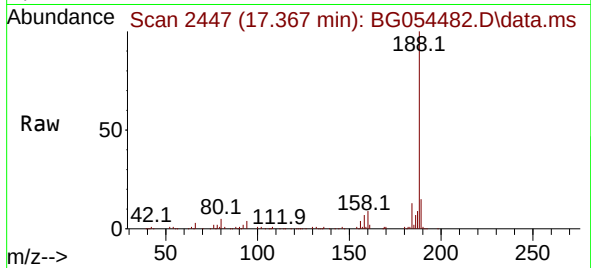




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

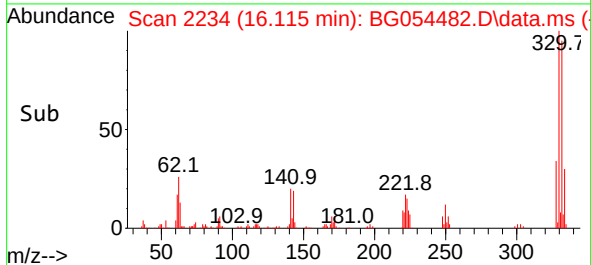
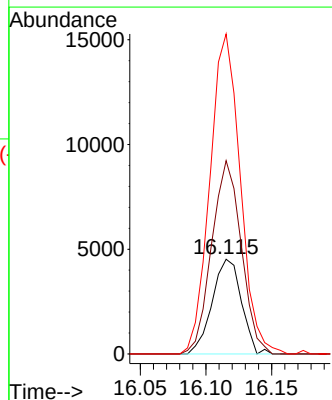
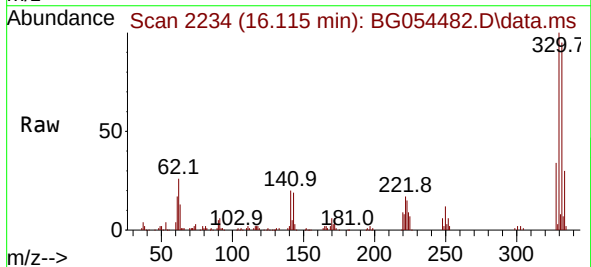
Instrument :
BNA_G
ClientSampleId :
RVE-22

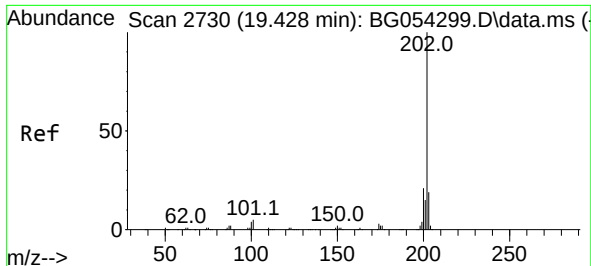
Tgt Ion:188 Resp: 135053
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 4.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.689 ng
RT: 16.115 min Scan# 2234
Delta R.T. -0.439 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

Tgt Ion:248 Resp: 6997
Ion Ratio Lower Upper
248 100
250 204.0 75.2 112.8#
141 337.9 50.0 75.0#

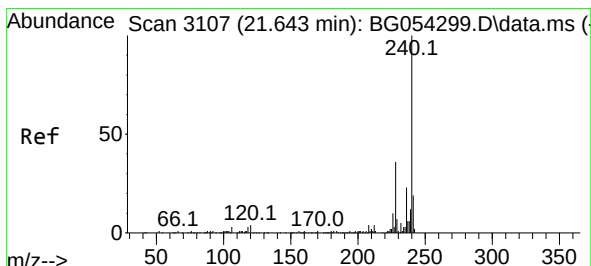
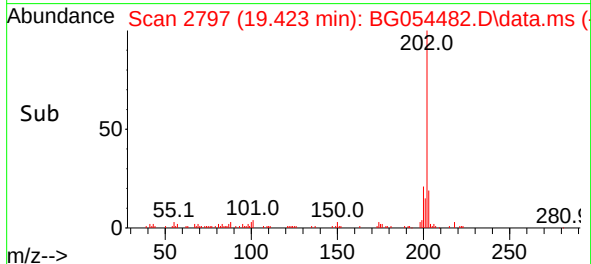
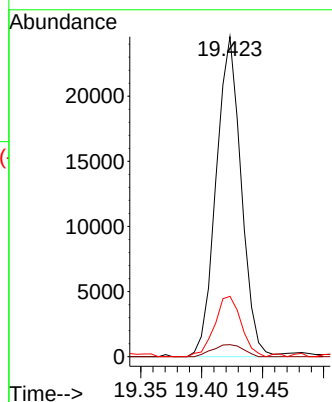
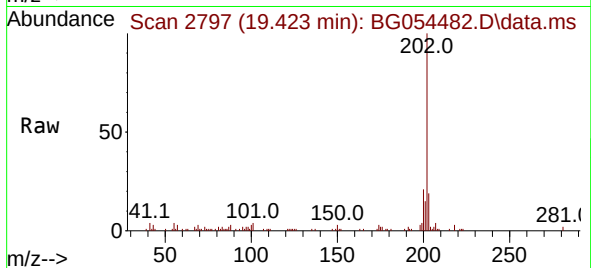




#75
Fluoranthene
Concen: 3.838 ng
RT: 19.423 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

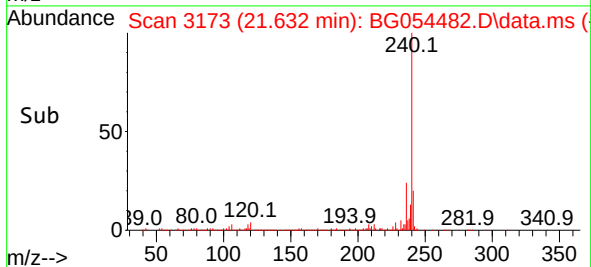
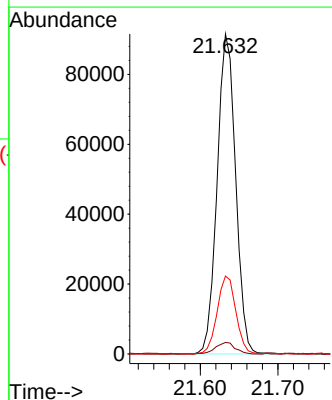
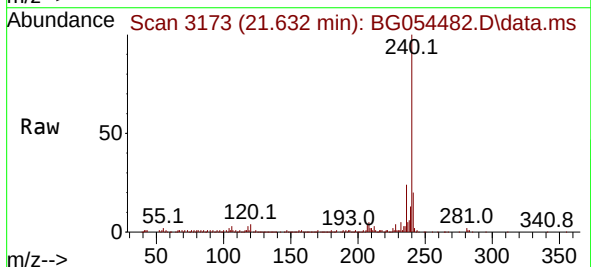
Instrument :
BNA_G
ClientSampleId :
RVE-22

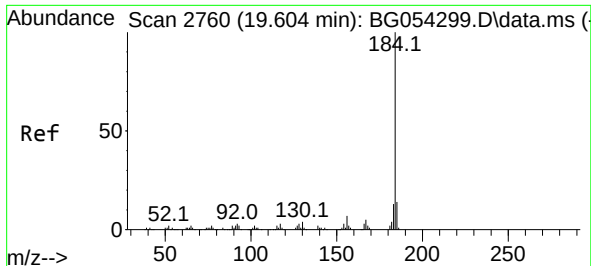
Tgt Ion:202 Resp: 35184
Ion Ratio Lower Upper
202 100
101 3.8 0.0 26.9
203 18.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 3173
Delta R.T. -0.005 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

Tgt Ion:240 Resp: 151813
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.3 20.2 30.4

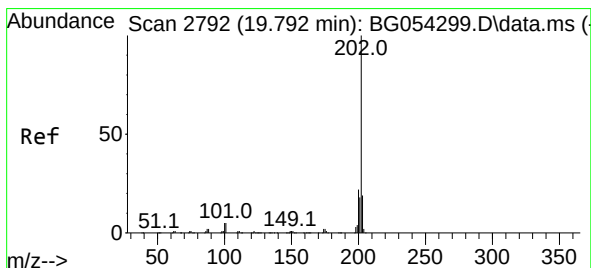
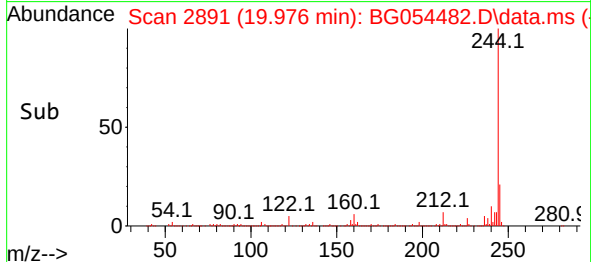
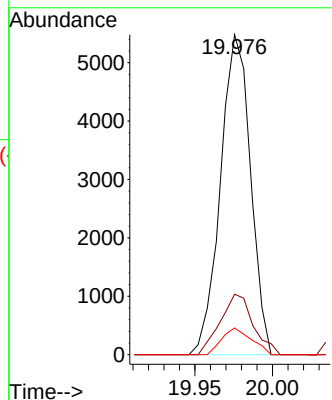
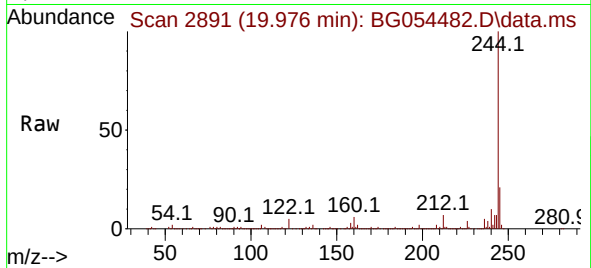




#77
Benzidine
Concen: 2.681 ng
RT: 19.976 min Scan# 21
Delta R.T. 0.377 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

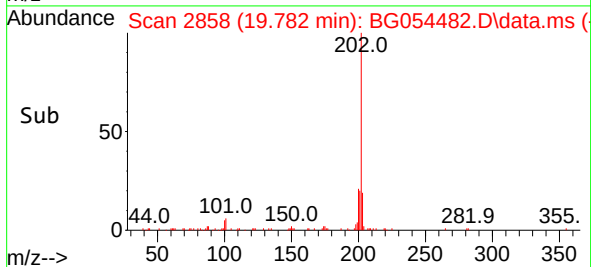
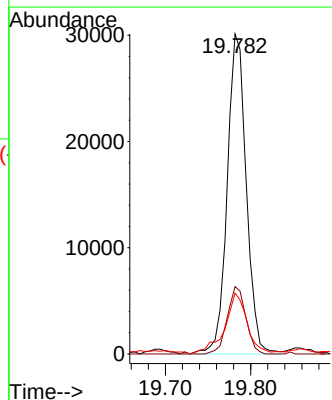
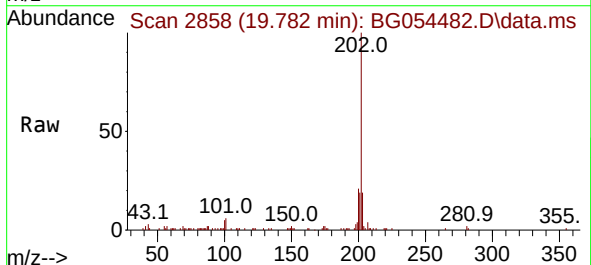
Instrument :
BNA_G
ClientSampleId :
RVE-22

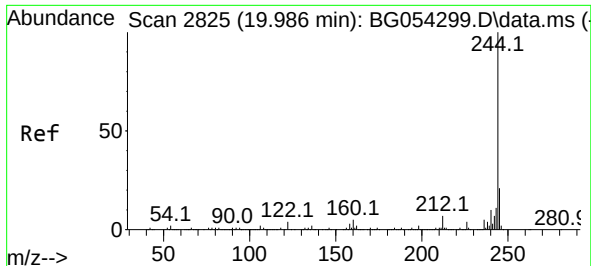
Tgt Ion:184 Resp: 7371
Ion Ratio Lower Upper
184 100
185 18.9 11.8 17.6#
183 8.4 8.9 13.3#



#78
Pyrene
Concen: 5.377 ng
RT: 19.782 min Scan# 2858
Delta R.T. -0.005 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

Tgt Ion:202 Resp: 46835
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 19.0 14.6 21.8

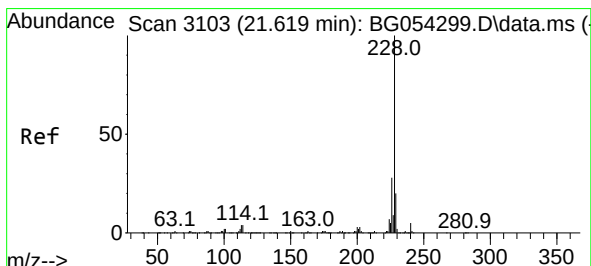
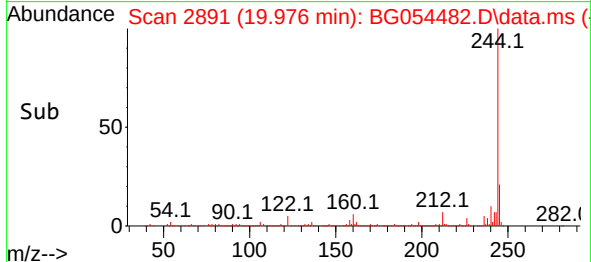
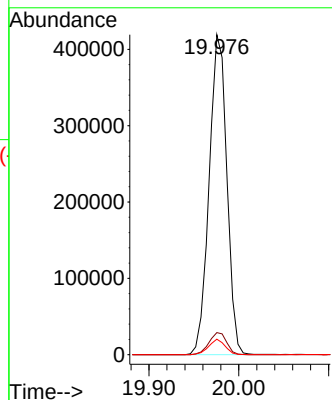
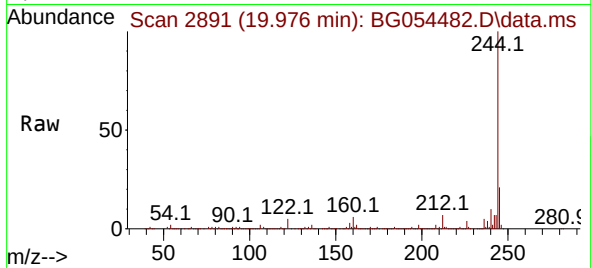




#79
 Terphenyl-d14
 Concen: 74.996 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054482.D
 Acq: 2 Aug 2022 14:03

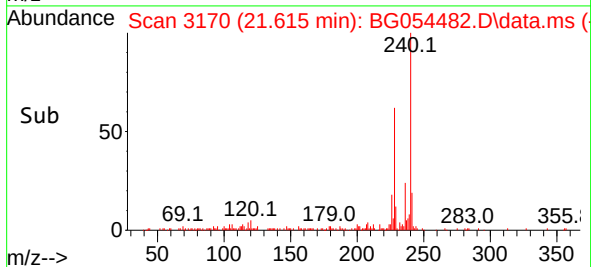
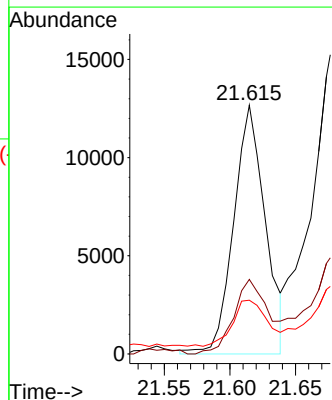
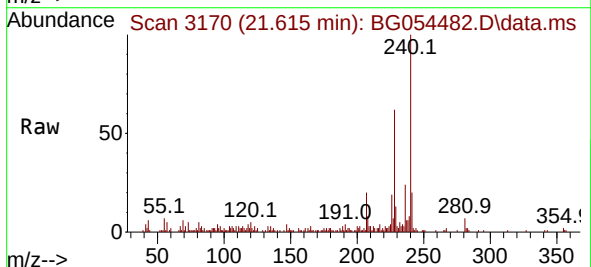
Instrument :
 BNA_G
 ClientSampleId :
 RVE-22

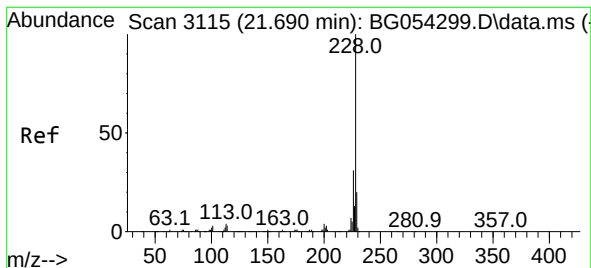
Tgt Ion:244 Resp: 573914
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.9 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.203 ng
 RT: 21.615 min Scan# 3170
 Delta R.T. 0.001 min
 Lab File: BG054482.D
 Acq: 2 Aug 2022 14:03

Tgt Ion:228 Resp: 21234
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.6 32.4
 229 21.6 16.2 24.2





#83

Chrysene

Concen: 3.556 ng

RT: 21.679 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BG054482.D

Acq: 2 Aug 2022 14:03

Instrument :

BNA_G

ClientSampleId :

RVE-22

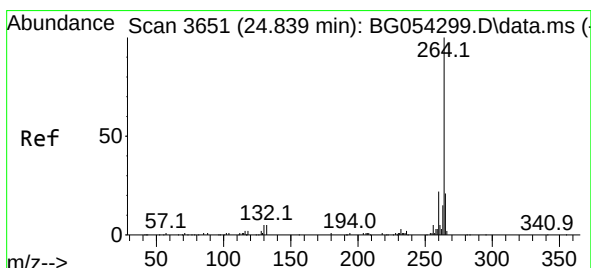
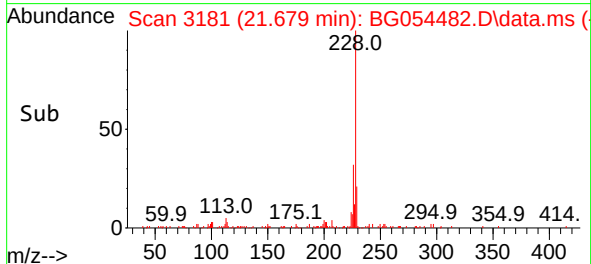
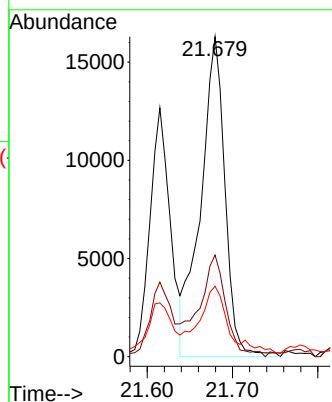
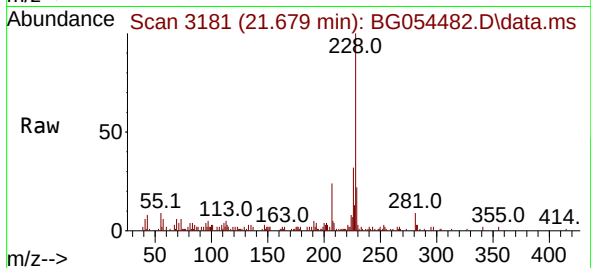
Tgt Ion:228 Resp: 32375

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.2

229 22.0 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: BG054482.D

Acq: 2 Aug 2022 14:03

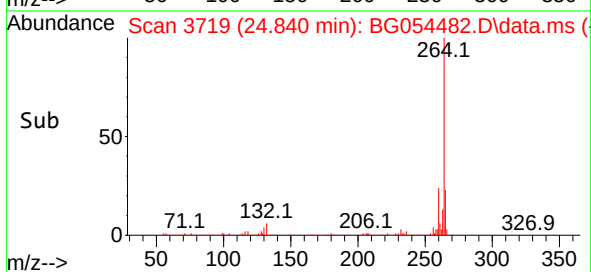
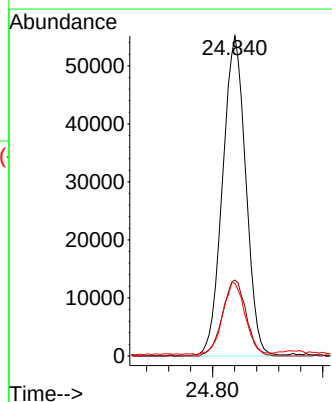
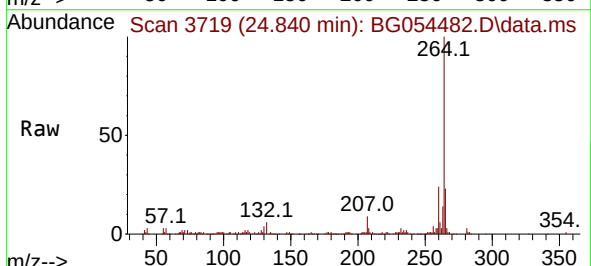
Tgt Ion:264 Resp: 161077

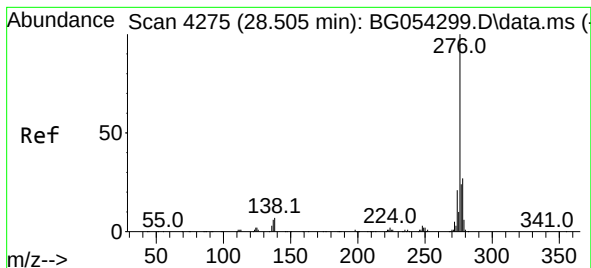
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.020 ng

RT: 28.518 min Scan# 41

Delta R.T. 0.001 min

Lab File: BG054482.D

Acq: 2 Aug 2022 14:03

Instrument :

BNA_G

ClientSampleId :

RVE-22

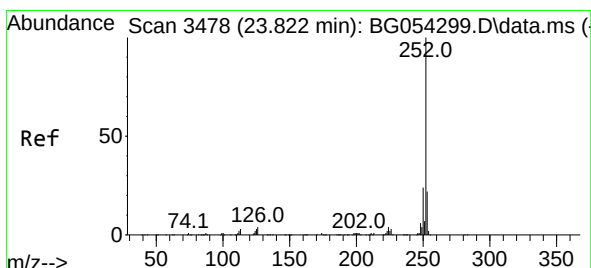
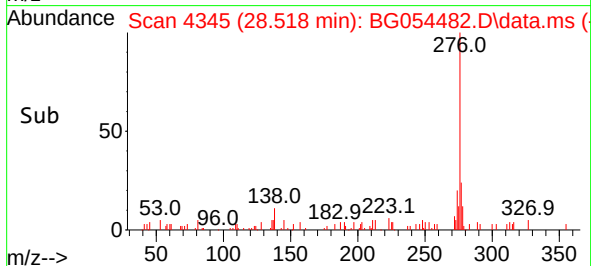
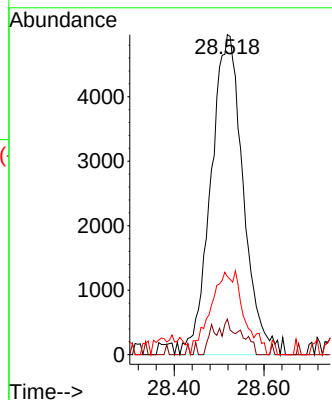
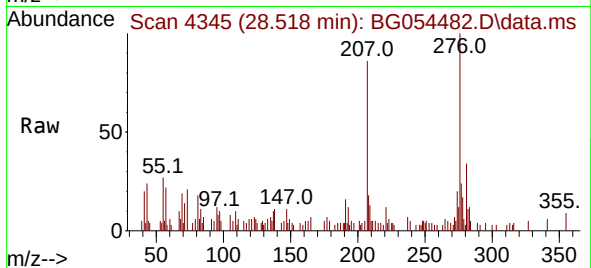
Tgt Ion:276 Resp: 24748

Ion Ratio Lower Upper

276 100

138 0.9 5.0 7.4#

277 26.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 4.168 ng

RT: 23.824 min Scan# 3546

Delta R.T. 0.001 min

Lab File: BG054482.D

Acq: 2 Aug 2022 14:03

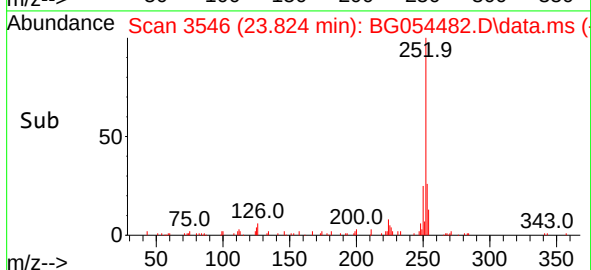
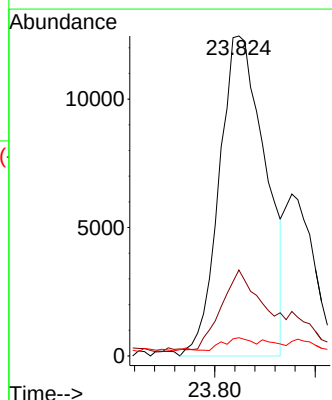
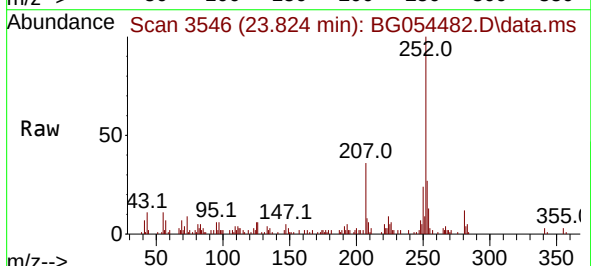
Tgt Ion:252 Resp: 39700

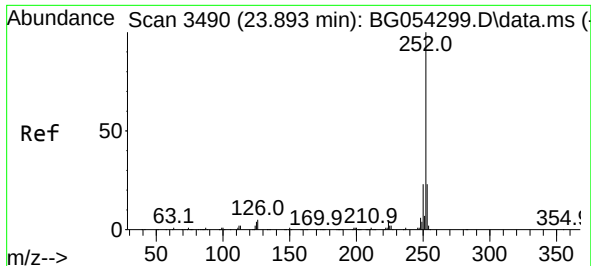
Ion Ratio Lower Upper

252 100

253 26.9 18.0 27.0

125 5.7 4.6 6.8

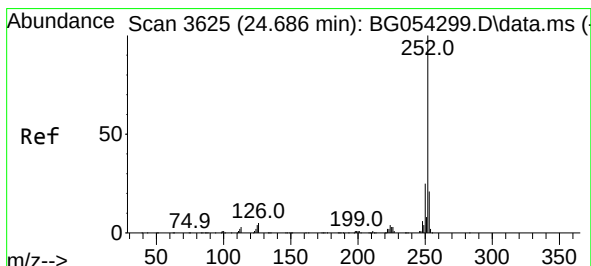
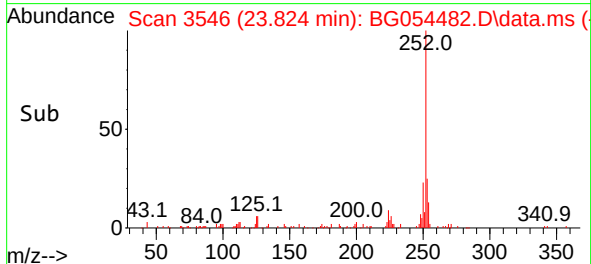
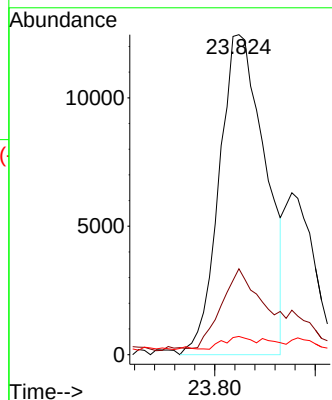
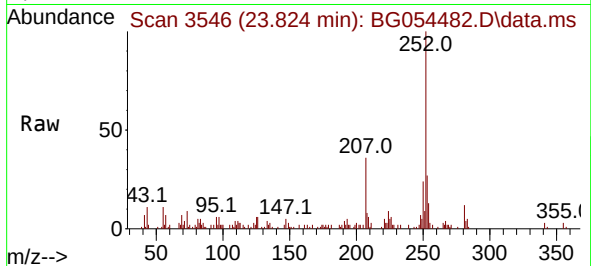




#89
Benzo(k)fluoranthene
Concen: 4.188 ng
RT: 23.824 min Scan# 31
Delta R.T. -0.063 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

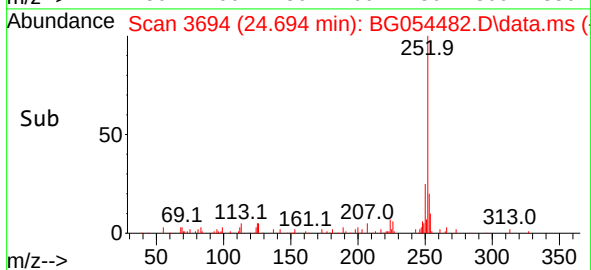
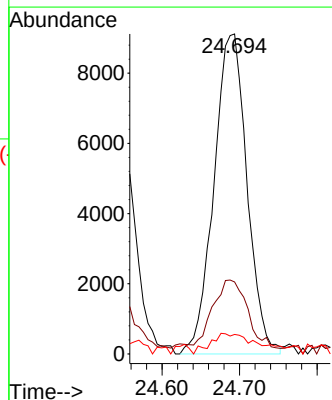
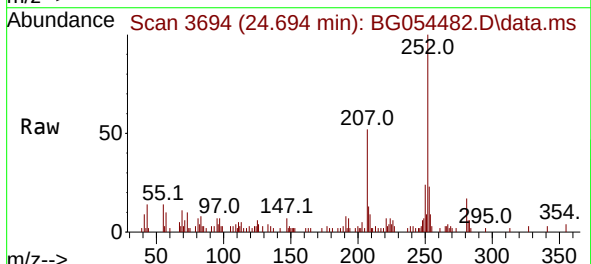
Instrument :
BNA_G
ClientSampleId :
RVE-22

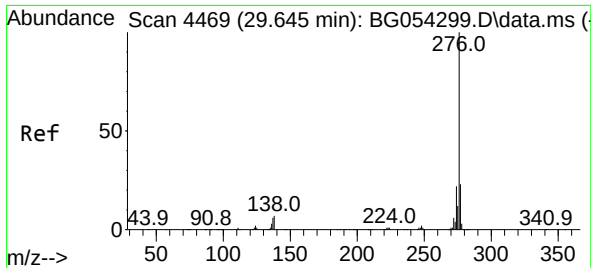
Tgt Ion:252 Resp: 39700
Ion Ratio Lower Upper
252 100
253 26.9 18.4 27.6
125 5.7 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.326 ng
RT: 24.694 min Scan# 3694
Delta R.T. 0.007 min
Lab File: BG054482.D
Acq: 2 Aug 2022 14:03

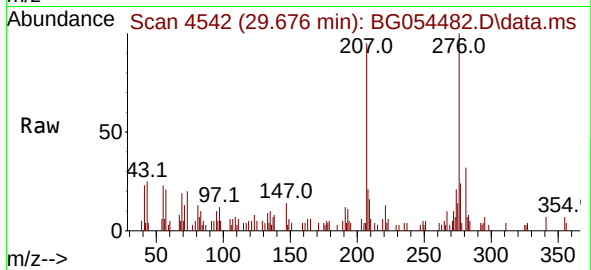
Tgt Ion:252 Resp: 27056
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 6.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 2.554 ng
 RT: 29.676 min Scan# 4
 Delta R.T. 0.013 min
 Lab File: BG054482.D
 Acq: 2 Aug 2022 14:03

Instrument :
 BNA_G
 ClientSampleId :
 RVE-22



Tgt Ion:	276	Resp:	25395
Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.3	25.9
138	8.0	9.6	14.4#

