

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054483.D
 Acq On : 2 Aug 2022 14:45
 Operator : CG/JU
 Sample : N3894-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-23

Quant Time: Aug 03 04:13:44 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)

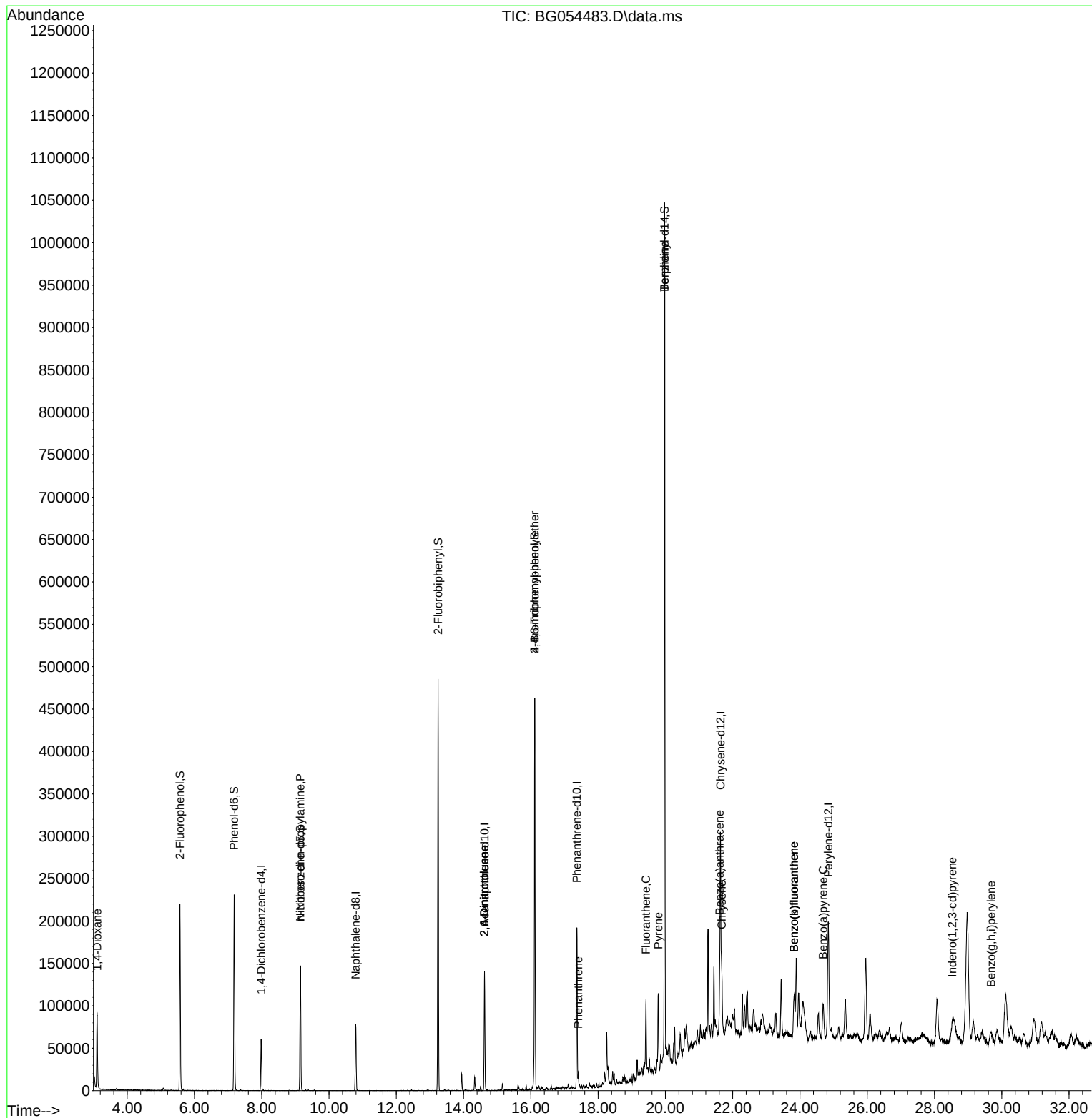
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.983	152	18393	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	73555	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	55675	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	134453	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	150514	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	163352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	100060	113.583	ng	0.00
7) Phenol-d6	7.178	99	133773	110.821	ng	0.00
23) Nitrobenzene-d5	9.146	82	91134	67.472	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	121742	104.145	ng	0.00
45) 2-Fluorobiphenyl	13.242	172	275389	69.778	ng	0.00
79) Terphenyl-d14	19.975	244	566647	74.685	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.106	88	836	2.385	ng	# 1
9) Benzaldehyde	7.125	77	276	Below Cal		89
19) n-Nitroso-di-n-propyla...	9.146	70	13087	16.235	ng	# 82
51) 2,6-Dinitrotoluene	14.616	165	7361	7.717	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	7361	5.383	ng	# 21
67) 4-Bromophenyl-phenylether	16.115	248	7126	3.774	ng	# 1
71) Phenanthrene	17.413	178	14269	2.131	ng	96
75) Fluoranthene	19.423	202	49558	5.430	ng	94
77) Benzidine	19.975	184	7502	2.752	ng	# 90
78) Pyrene	19.787	202	63345	7.335	ng	97
81) Benzo(a)anthracene	21.614	228	40086	4.196	ng	98
83) Chrysene	21.679	228	46864	5.192	ng	96
87) Indeno(1,2,3-cd)pyrene	28.524	276	35139	2.828	ng	# 96
88) Benzo(b)fluoranthene	23.823	252	70055	7.252	ng	98
89) Benzo(k)fluoranthene	23.823	252	70055	7.287	ng	98
90) Benzo(a)pyrene	24.687	252	45378	5.500	ng	99
92) Benzo(g,h,i)perylene	29.681	276	38261	3.794	ng	# 93

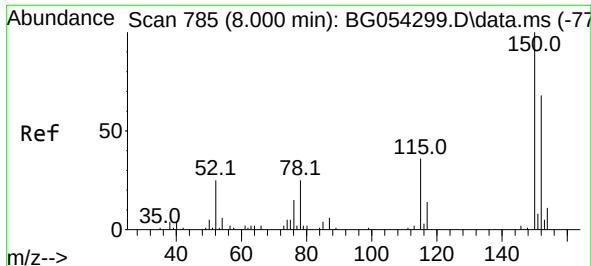
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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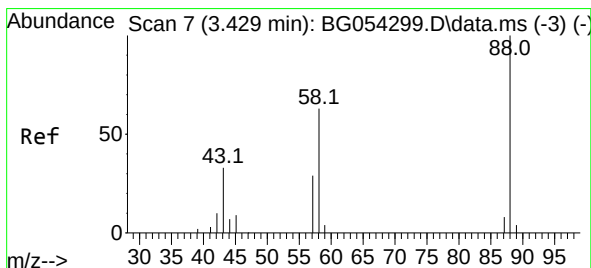
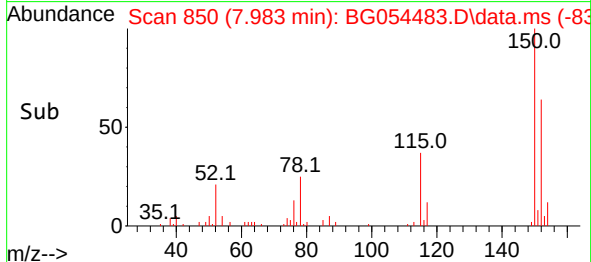
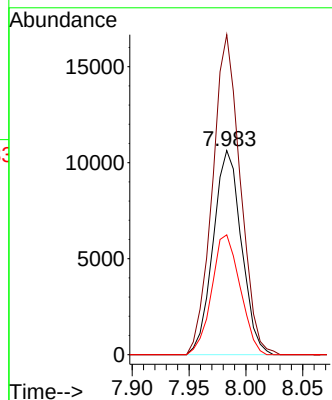
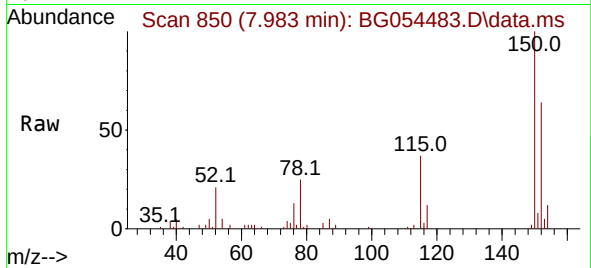




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.983 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

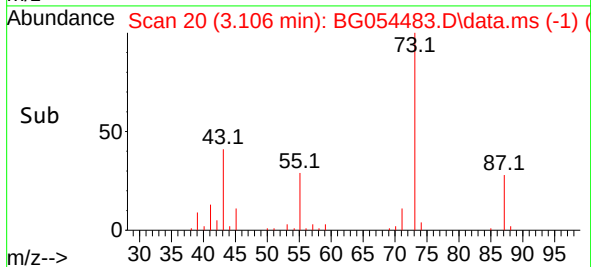
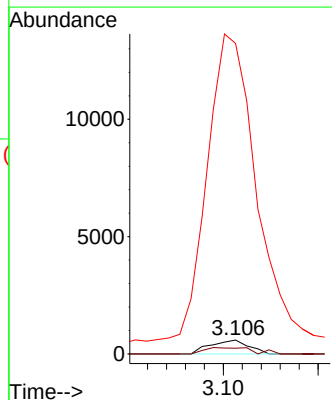
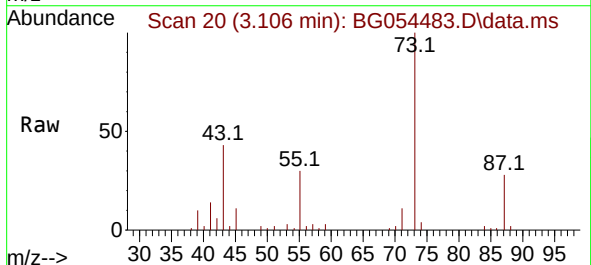
Instrument :
BNA_G
ClientSampleId :
RVE-23

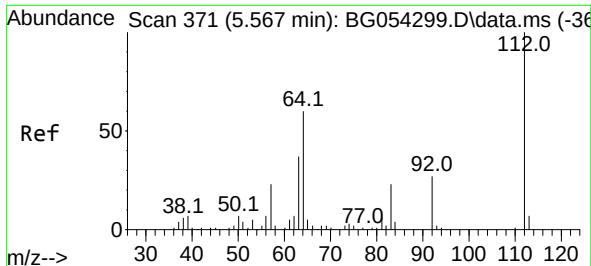
Tgt Ion:152 Resp: 18393
Ion Ratio Lower Upper
152 100
150 156.7 131.6 197.4
115 58.7 50.9 76.3



#2
1,4-Dioxane
Concen: 2.385 ng
RT: 3.106 min Scan# 20
Delta R.T. -0.311 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion: 88 Resp: 836
Ion Ratio Lower Upper
88 100
58 57.5 59.2 88.8#
43 2920.8 24.3 36.5#

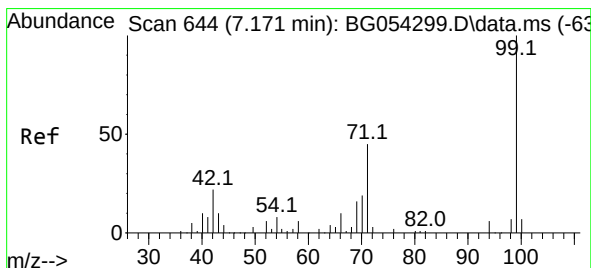
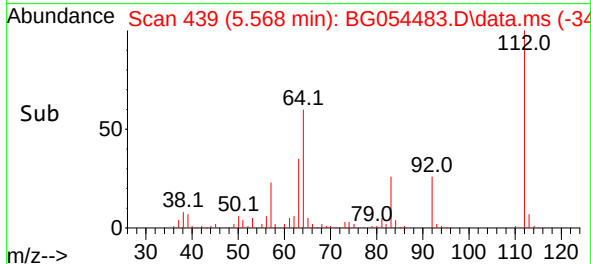
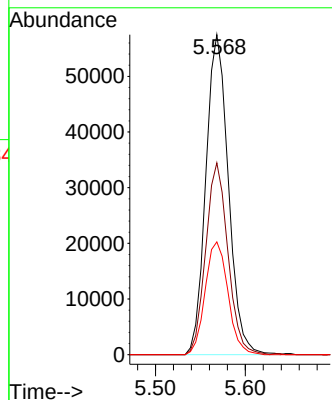
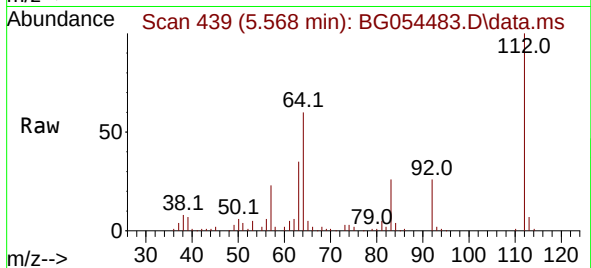




#5
2-Fluorophenol
Concen: 113.583 ng
RT: 5.568 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

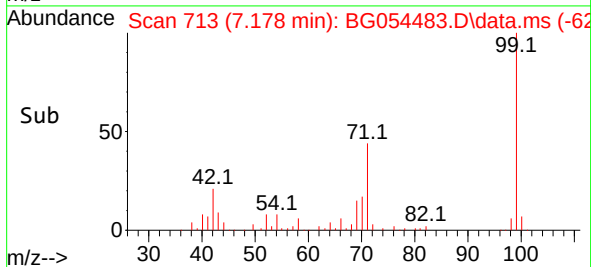
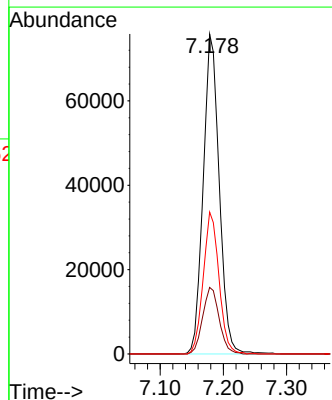
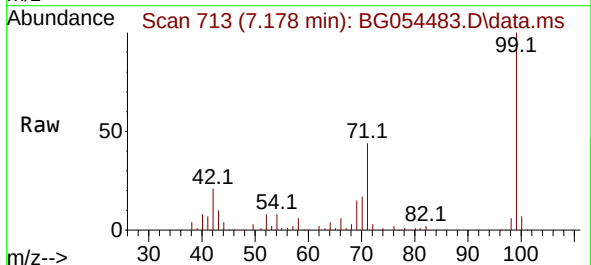
Instrument :
BNA_G
ClientSampleId :
RVE-23

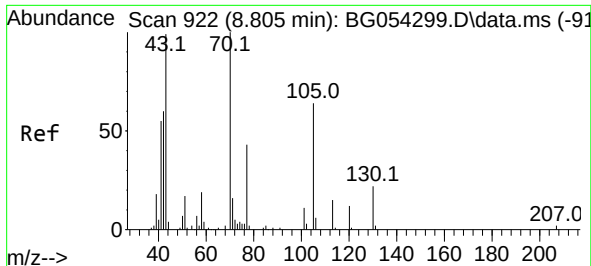
Tgt Ion:112 Resp: 100060
Ion Ratio Lower Upper
112 100
64 59.9 55.1 82.7
63 35.3 30.4 45.6



#7
Phenol-d6
Concen: 110.821 ng
RT: 7.178 min Scan# 713
Delta R.T. 0.006 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion: 99 Resp: 133773
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 44.3 33.8 50.8

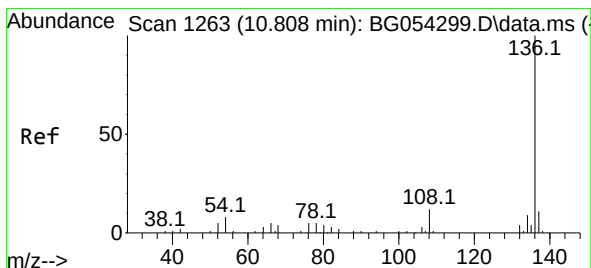
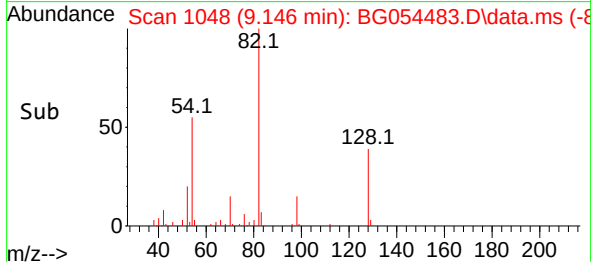
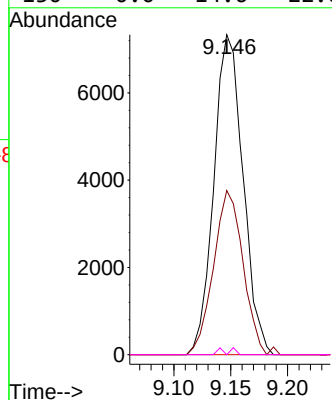
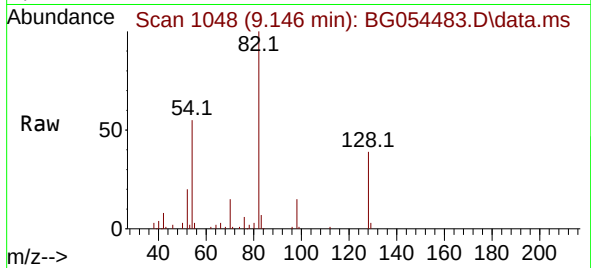




#19
n-Nitroso-di-n-propylamine
Concen: 16.235 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.353 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

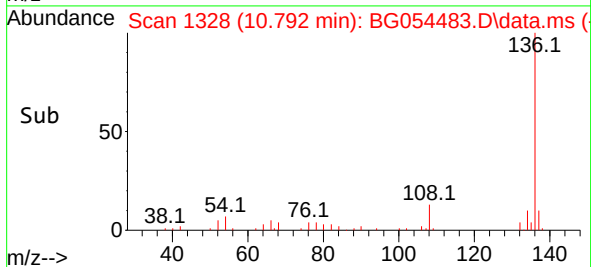
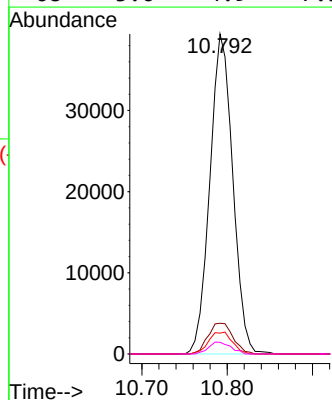
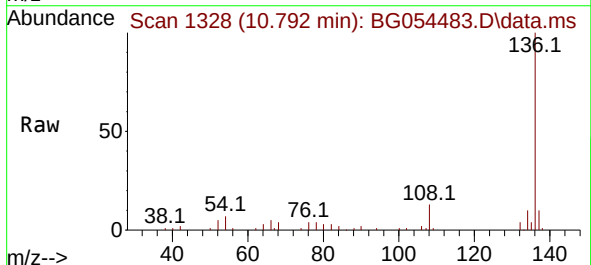
Instrument :
BNA_G
ClientSampleId :
RVE-23

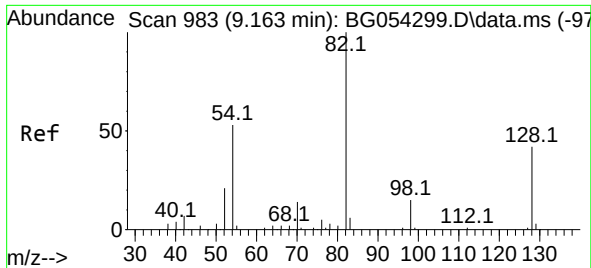
Tgt Ion:	70	Resp:	13087
Ion	Ratio	Lower	Upper
70	100		
42	51.3	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 1328
Delta R.T. -0.005 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:	136	Resp:	73555
Ion	Ratio	Lower	Upper
136	100		
137	9.6	8.5	12.7
54	6.5	7.4	11.2#
68	3.6	4.9	7.3#

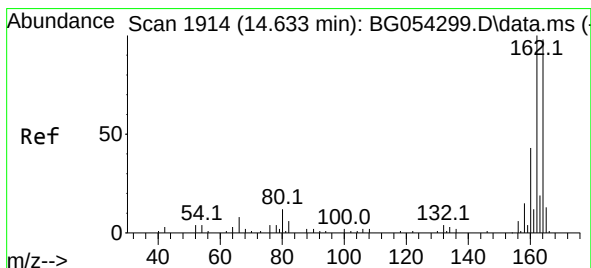
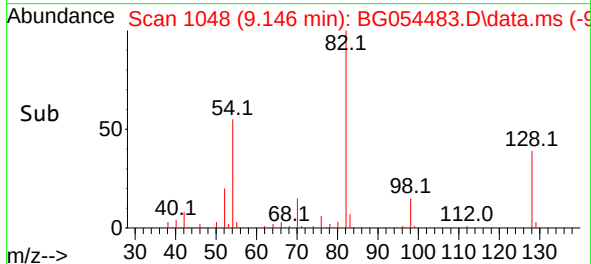
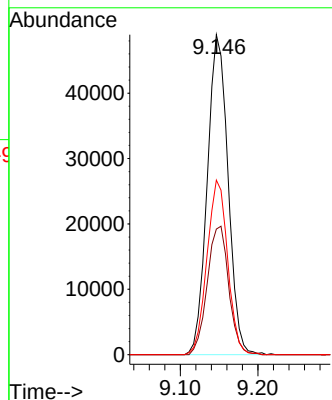
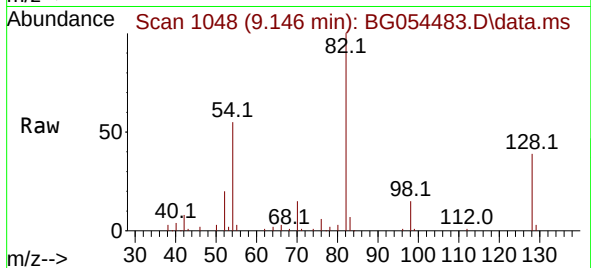




#23
Nitrobenzene-d5
Concen: 67.472 ng
RT: 9.146 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

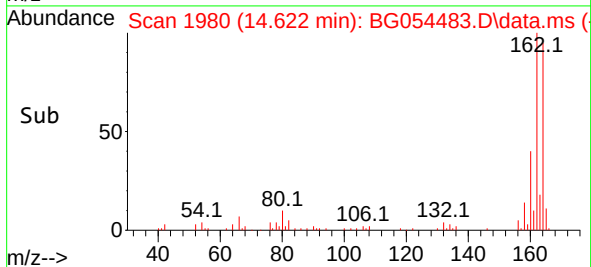
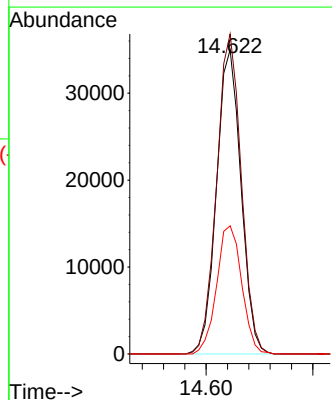
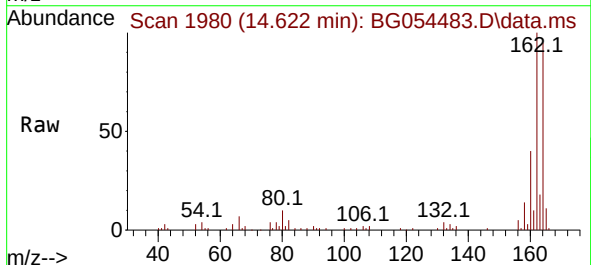
Instrument :
BNA_G
ClientSampleId :
RVE-23

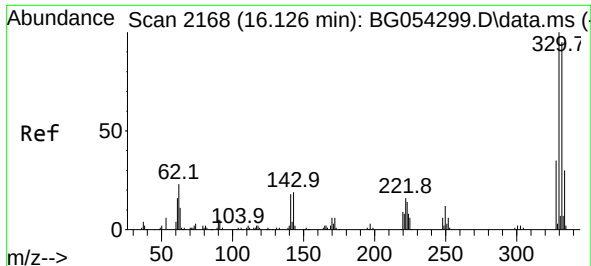
Tgt Ion: 82 Resp: 91134
Ion Ratio Lower Upper
82 100
128 39.3 27.9 41.9
54 54.6 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.001 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:164 Resp: 55675
Ion Ratio Lower Upper
164 100
162 105.2 82.3 123.5
160 42.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 104.145 ng

RT: 16.115 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054483.D

Acq: 2 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

RVE-23

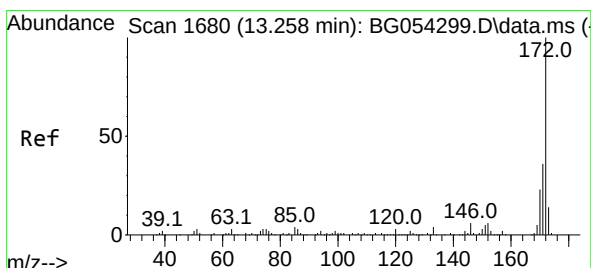
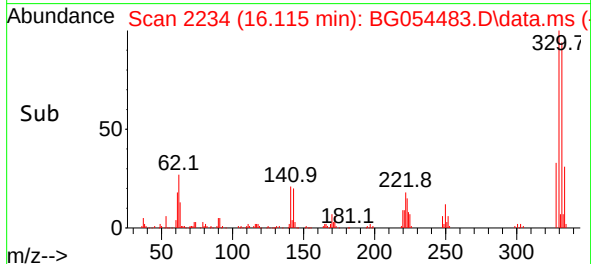
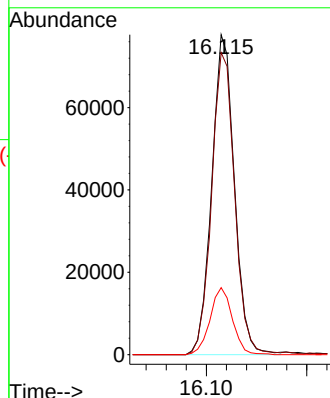
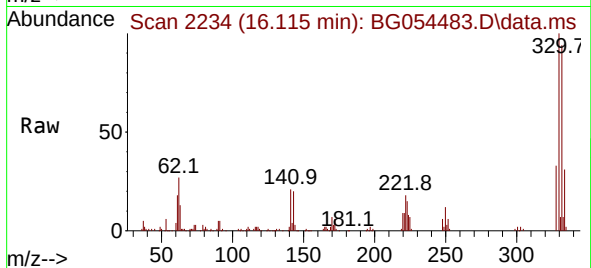
Tgt Ion:330 Resp: 121742

Ion Ratio Lower Upper

330 100

332 96.2 76.0 114.0

141 20.7 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 69.778 ng

RT: 13.242 min Scan# 1745

Delta R.T. -0.005 min

Lab File: BG054483.D

Acq: 2 Aug 2022 14:45

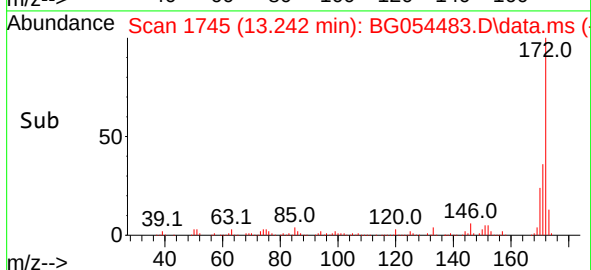
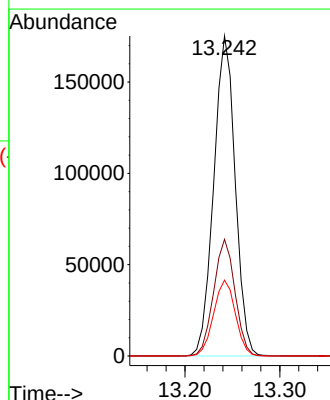
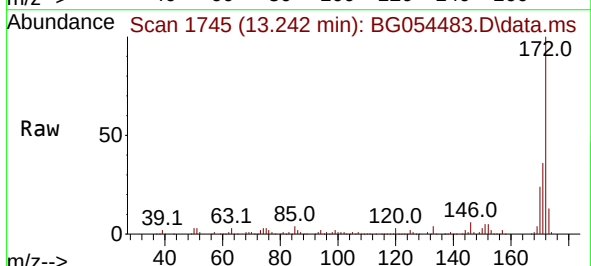
Tgt Ion:172 Resp: 275389

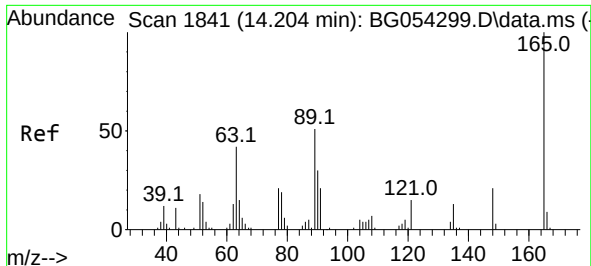
Ion Ratio Lower Upper

172 100

171 36.4 28.5 42.7

170 23.7 18.9 28.3

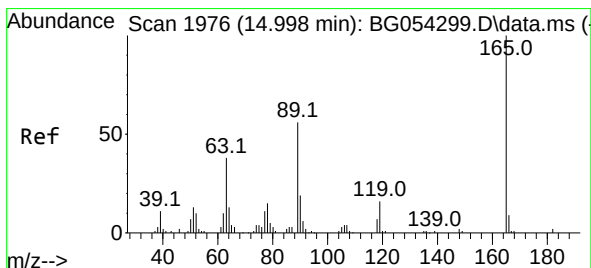
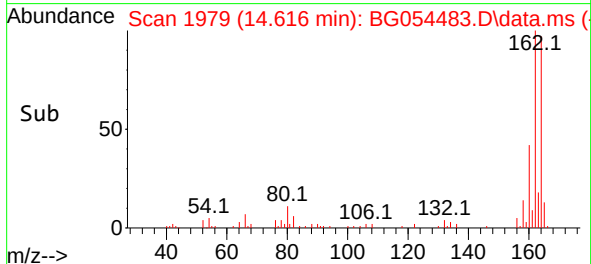
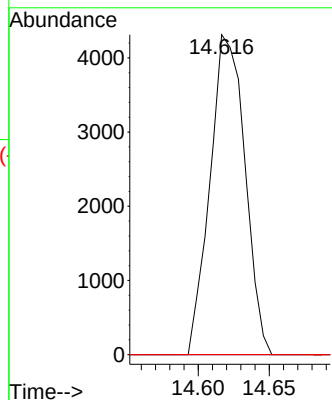
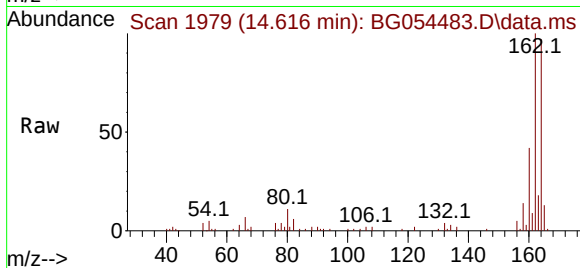




#51
2,6-Dinitrotoluene
Concen: 7.717 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.418 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

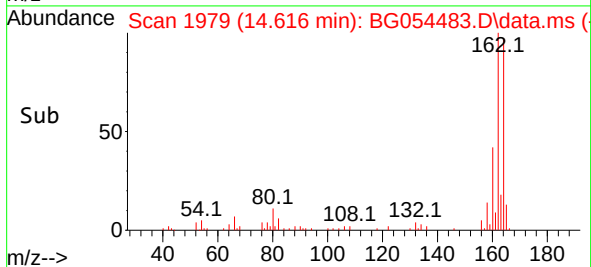
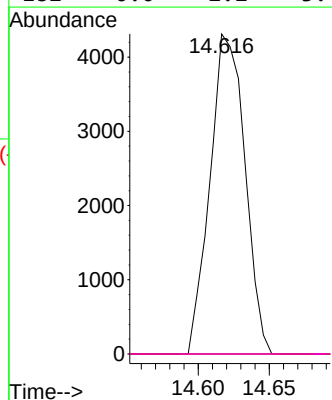
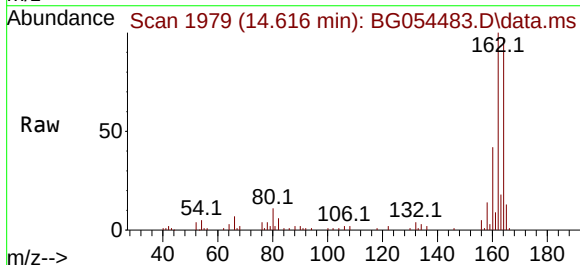
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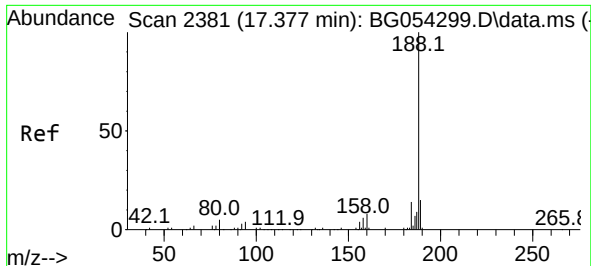
Tgt Ion:165 Resp: 7361
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.383 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.375 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:165 Resp: 7361
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#

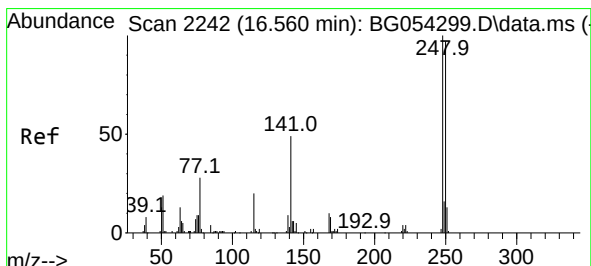
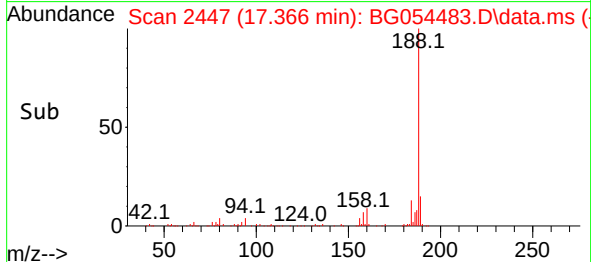
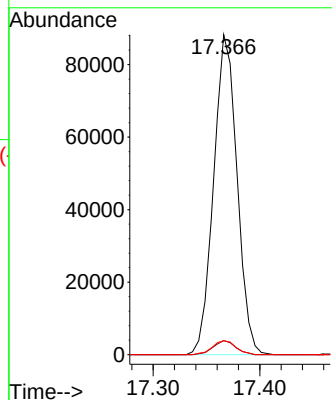
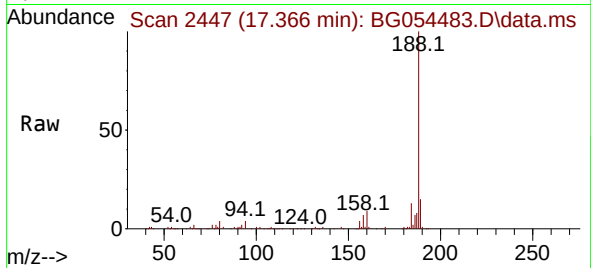




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

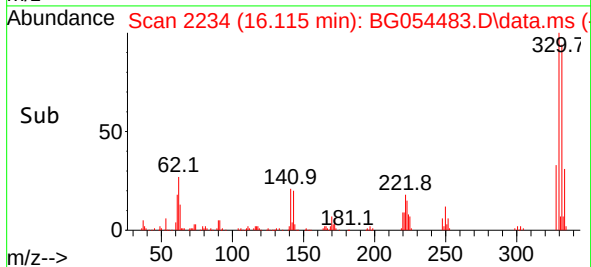
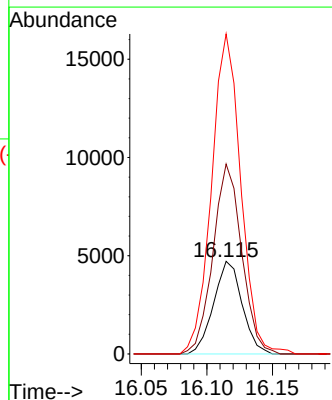
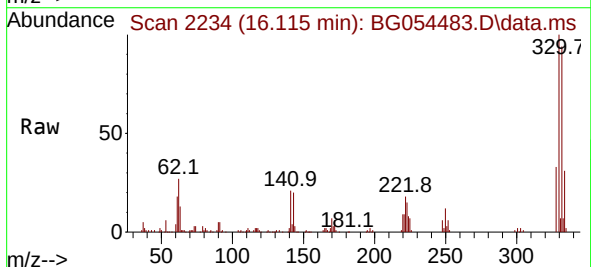
Instrument :
BNA_G
ClientSampleId :
RVE-23

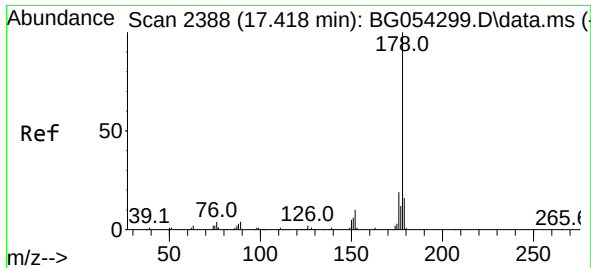
Tgt Ion:188 Resp: 134453
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.3 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.774 ng
RT: 16.115 min Scan# 2234
Delta R.T. -0.440 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:248 Resp: 7126
Ion Ratio Lower Upper
248 100
250 205.2 75.2 112.8#
141 345.7 50.0 75.0#

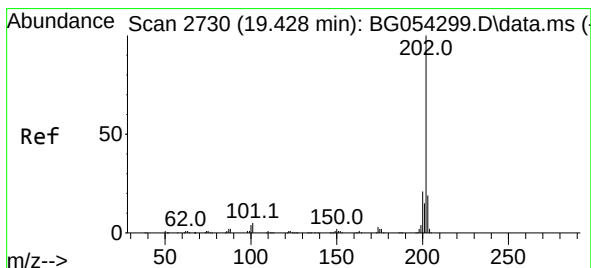
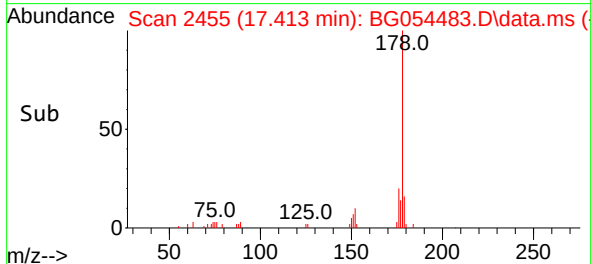
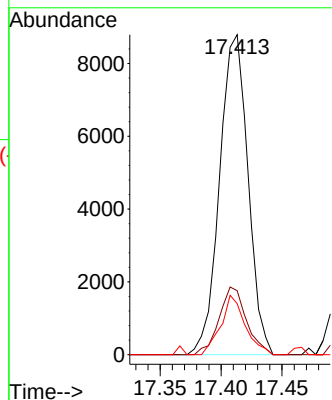
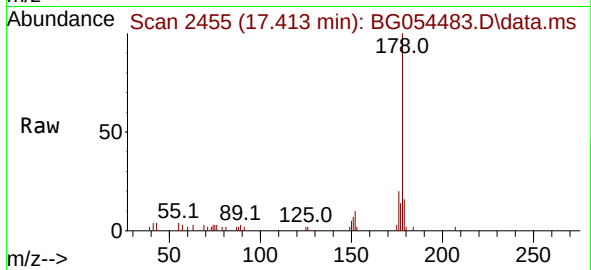




#71
Phenanthrene
Concen: 2.131 ng
RT: 17.413 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

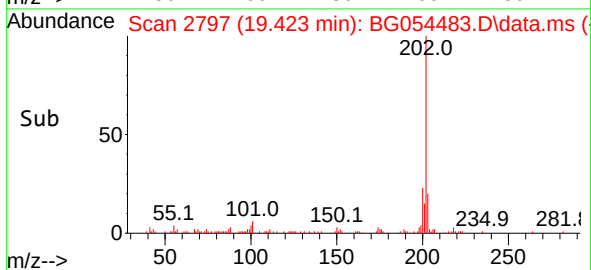
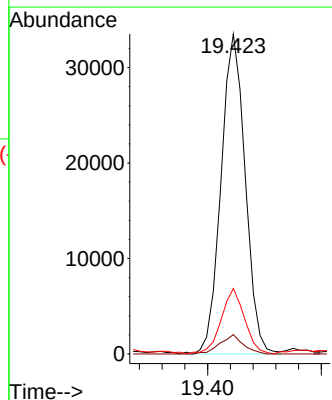
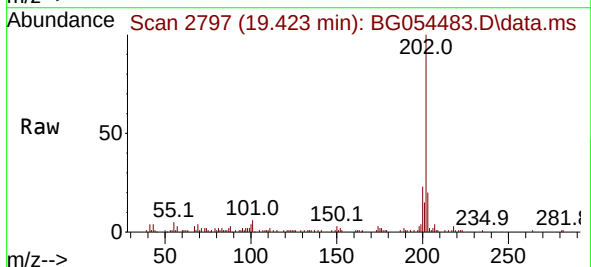
Instrument :
BNA_G
ClientSampleId :
RVE-23

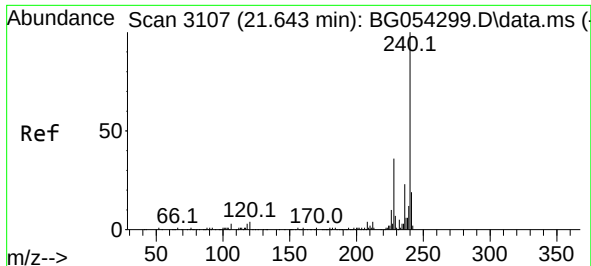
Tgt Ion:178 Resp: 14269
Ion Ratio Lower Upper
178 100
176 20.0 14.1 21.1
179 15.9 12.1 18.1



#75
Fluoranthene
Concen: 5.430 ng
RT: 19.423 min Scan# 2797
Delta R.T. 0.001 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:202 Resp: 49558
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.9
203 20.5 0.0 37.2

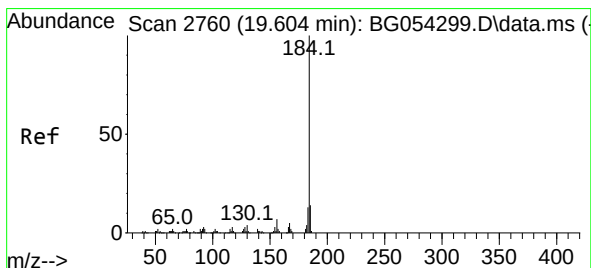
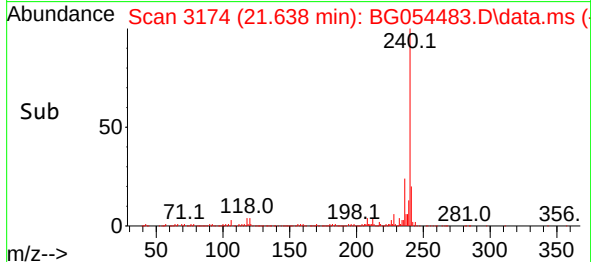
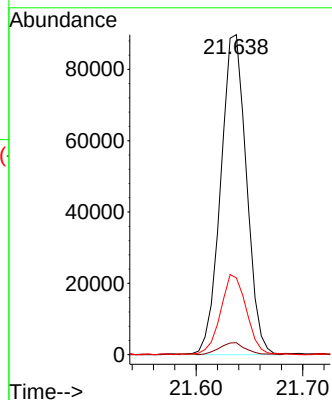
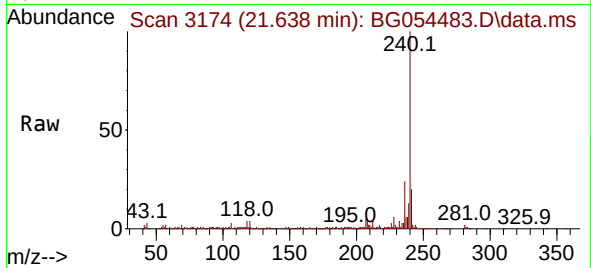




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3107
Delta R.T. 0.001 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

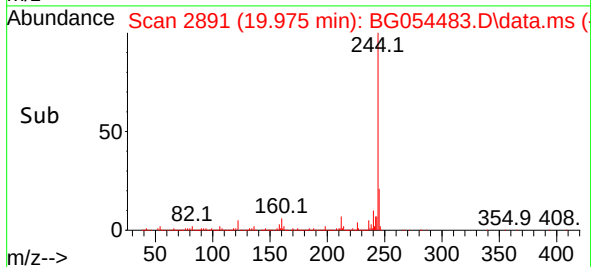
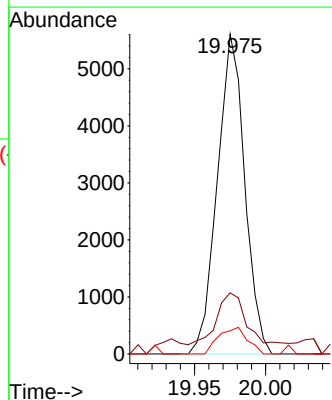
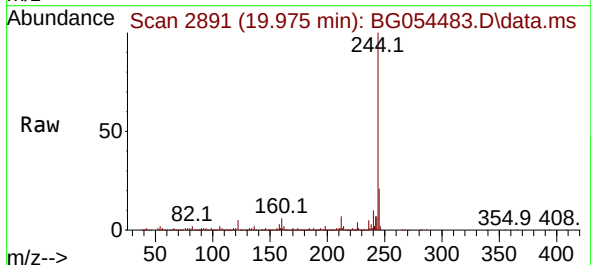
Instrument :
BNA_G
ClientSampleId :
RVE-23

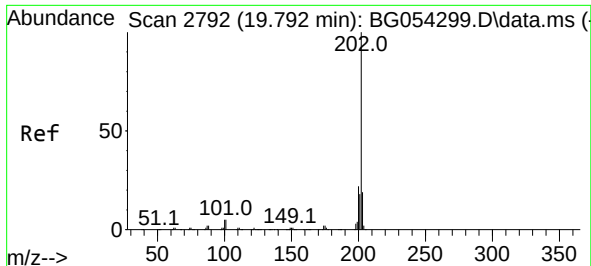
Tgt Ion:240 Resp: 150514
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 24.0 20.2 30.4



#77
Benzidine
Concen: 2.752 ng
RT: 19.975 min Scan# 2891
Delta R.T. 0.377 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:184 Resp: 7502
Ion Ratio Lower Upper
184 100
185 19.1 11.8 17.6#
183 7.3 8.9 13.3#

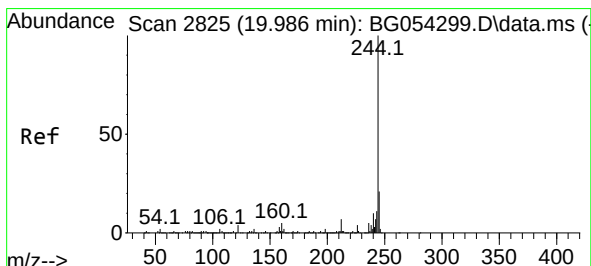
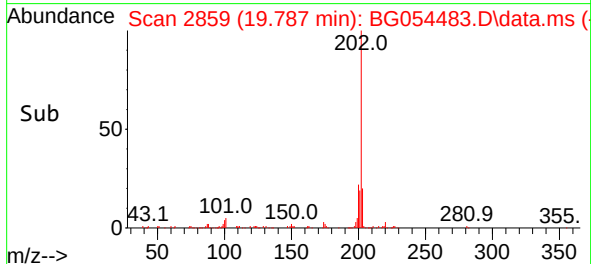
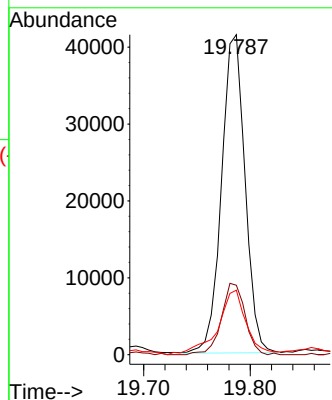
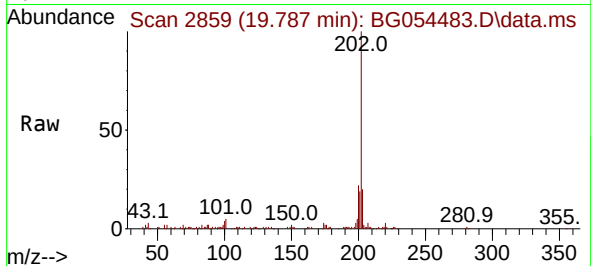




#78
 Pyrene
 Concen: 7.335 ng
 RT: 19.787 min Scan# 2859
 Delta R.T. 0.001 min
 Lab File: BG054483.D
 Acq: 2 Aug 2022 14:45

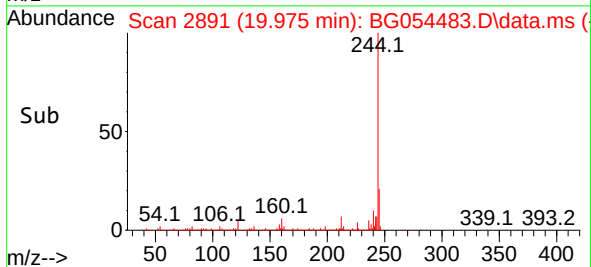
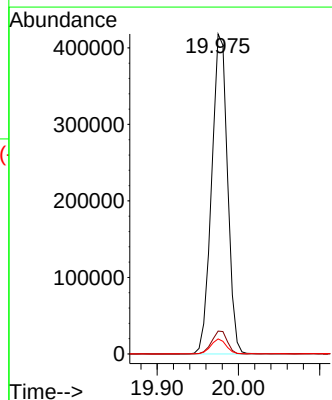
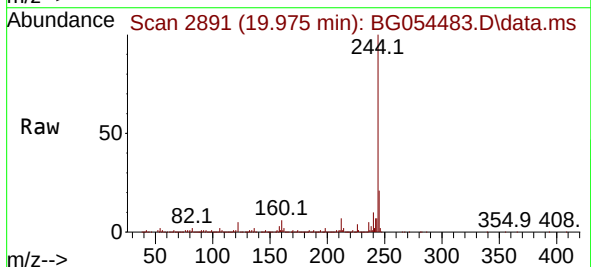
Instrument :
 BNA_G
 ClientSampleId :
 RVE-23

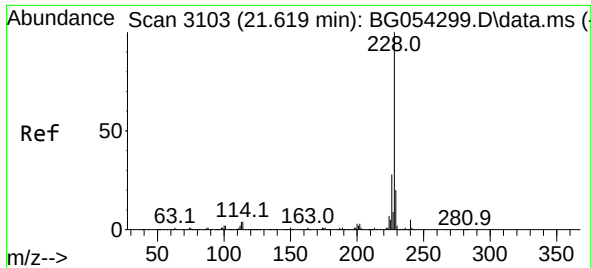
Tgt Ion:202 Resp: 63345
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.6 24.8
 203 20.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 74.685 ng
 RT: 19.975 min Scan# 2891
 Delta R.T. -0.005 min
 Lab File: BG054483.D
 Acq: 2 Aug 2022 14:45

Tgt Ion:244 Resp: 566647
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.7 5.0 7.4#

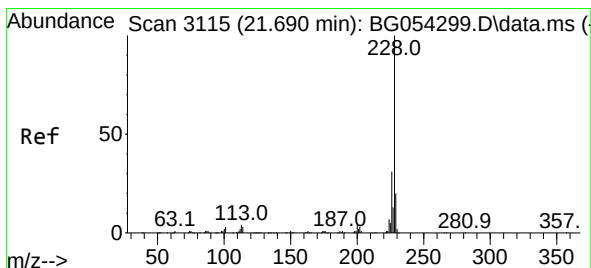
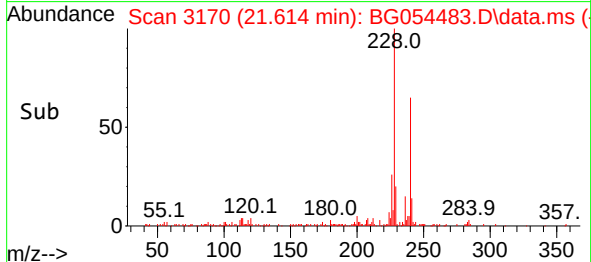
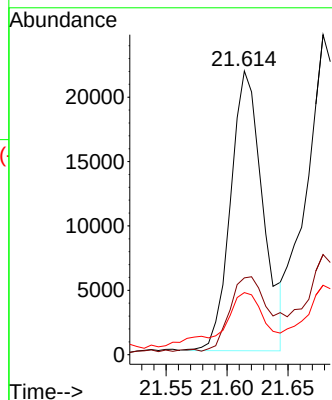
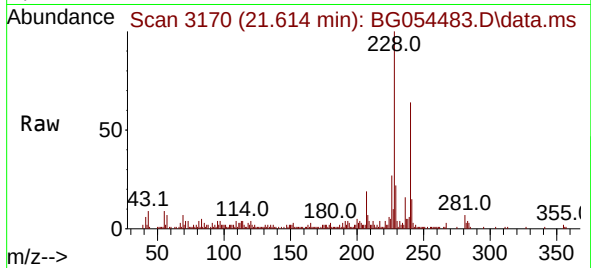




#81
Benzo(a)anthracene
Concen: 4.196 ng
RT: 21.614 min Scan# 3103
Delta R.T. 0.001 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

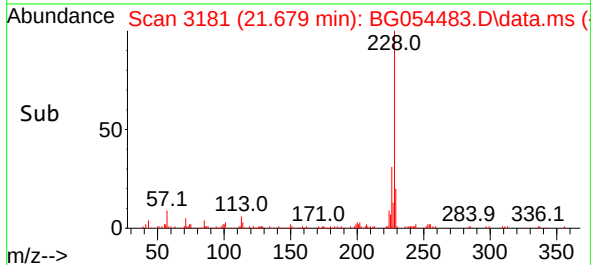
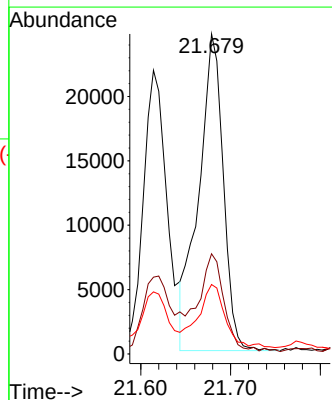
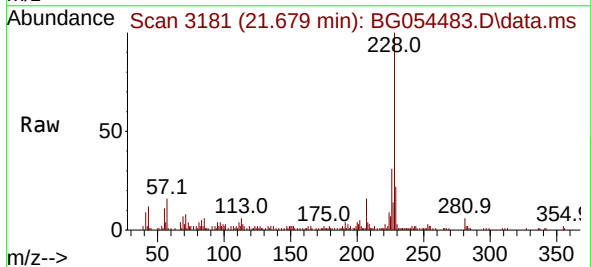
Instrument :
BNA_G
ClientSampleId :
RVE-23

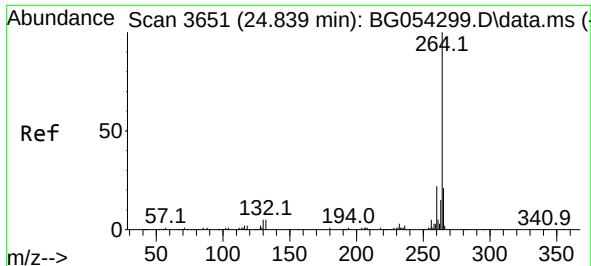
Tgt Ion:228 Resp: 40086
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 21.9 16.2 24.2



#83
Chrysene
Concen: 5.192 ng
RT: 21.679 min Scan# 3181
Delta R.T. -0.005 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:228 Resp: 46864
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.2
229 21.7 15.5 23.3

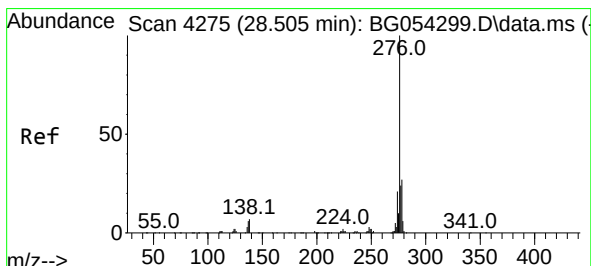
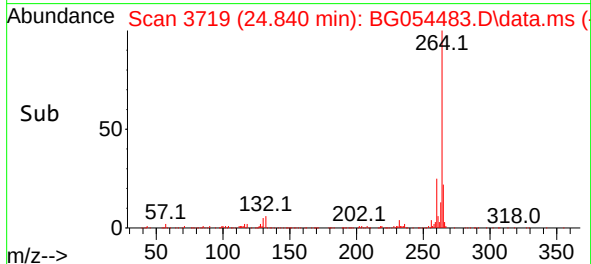
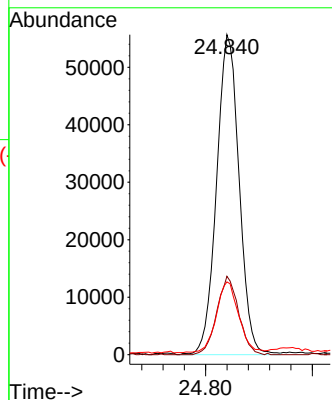
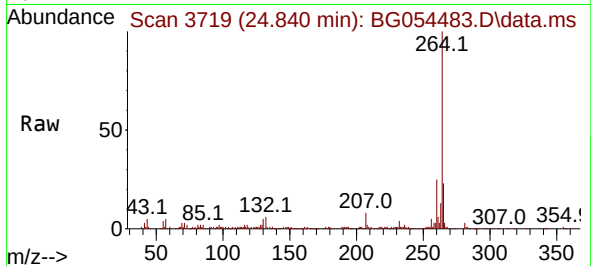




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.840 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BG054483.D
 Acq: 2 Aug 2022 14:45

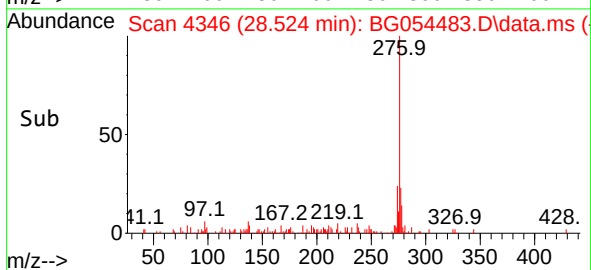
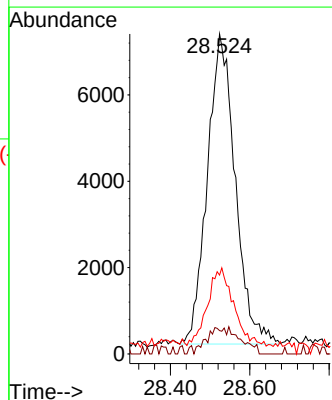
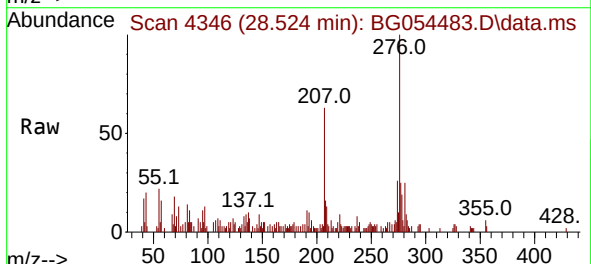
Instrument :
 BNA_G
 ClientSampleId :
 RVE-23

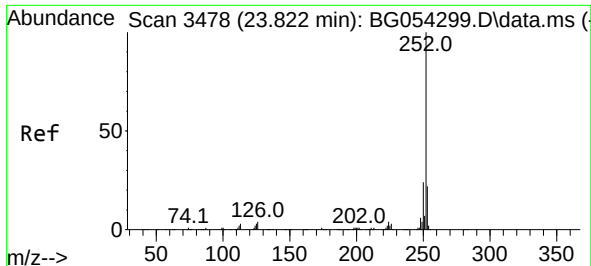
Tgt Ion:264 Resp: 163352
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.0 28.6
 265 22.8 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.828 ng
 RT: 28.524 min Scan# 4346
 Delta R.T. 0.006 min
 Lab File: BG054483.D
 Acq: 2 Aug 2022 14:45

Tgt Ion:276 Resp: 35139
 Ion Ratio Lower Upper
 276 100
 138 4.7 5.0 7.4#
 277 23.2 20.3 30.5

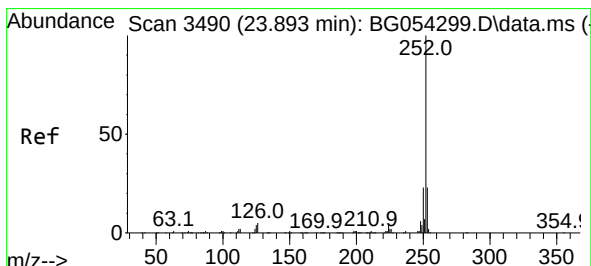
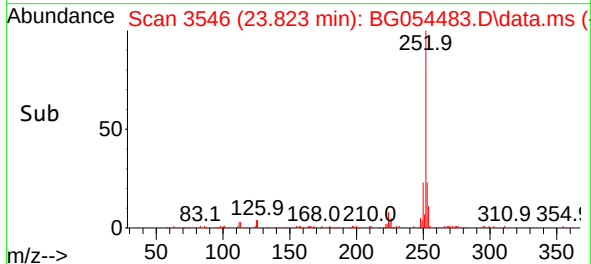
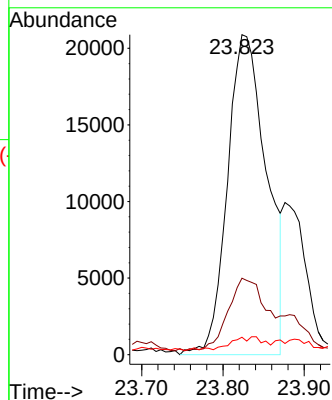
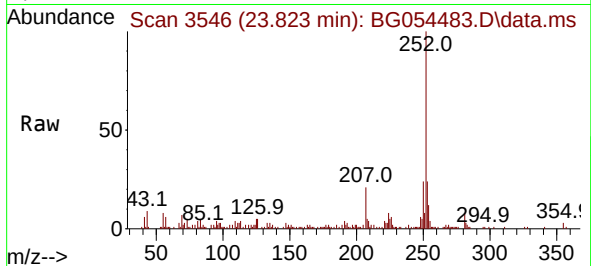




#88
Benzo(b)fluoranthene
Concen: 7.252 ng
RT: 23.823 min Scan# 3546
Delta R.T. 0.001 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

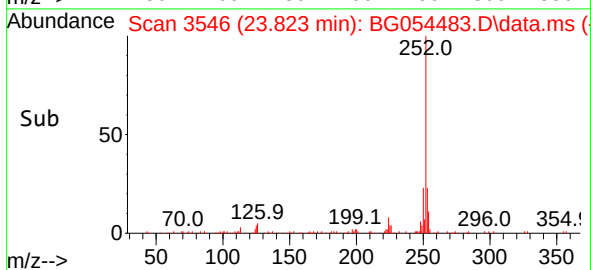
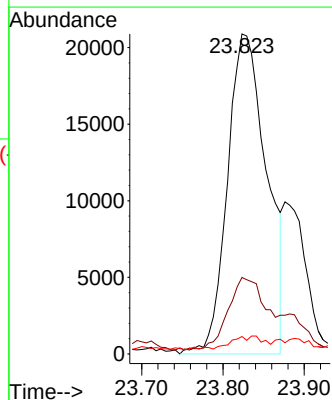
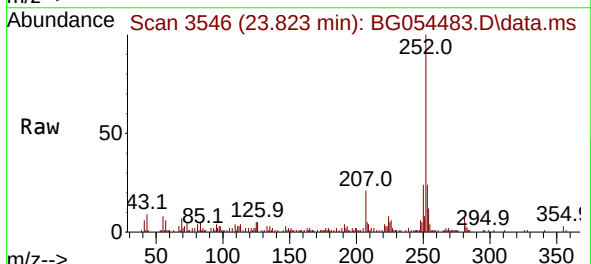
Instrument :
BNA_G
ClientSampleId :
RVE-23

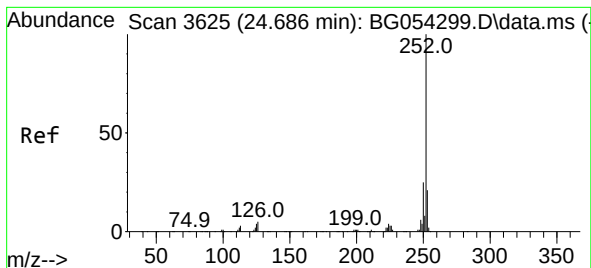
Tgt Ion:252 Resp: 70055
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 5.4 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 7.287 ng
RT: 23.823 min Scan# 3546
Delta R.T. -0.064 min
Lab File: BG054483.D
Acq: 2 Aug 2022 14:45

Tgt Ion:252 Resp: 70055
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 5.4 4.8 7.2





#90

Benzo(a)pyrene

Concen: 5.500 ng

RT: 24.687 min Scan# 3

Delta R.T. 0.001 min

Lab File: BG054483.D

Acq: 2 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

RVE-23

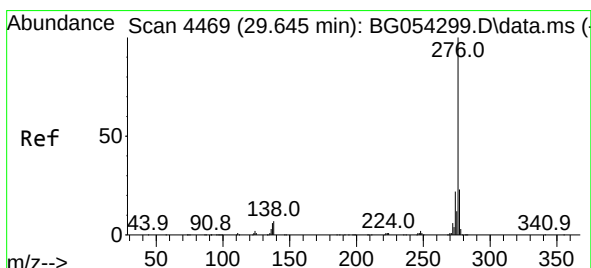
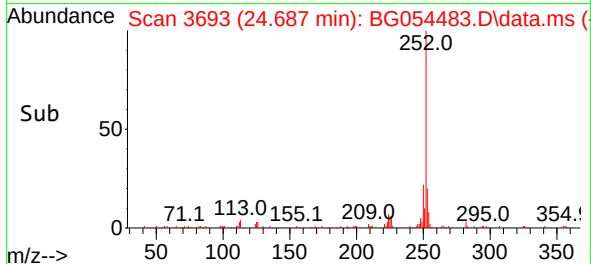
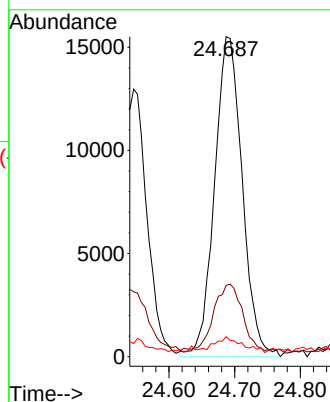
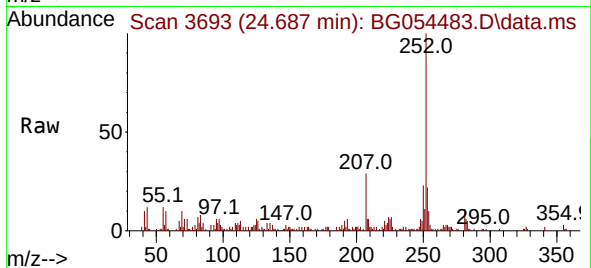
Tgt Ion:252 Resp: 45378

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 6.3 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 3.794 ng

RT: 29.681 min Scan# 4543

Delta R.T. 0.018 min

Lab File: BG054483.D

Acq: 2 Aug 2022 14:45

Tgt Ion:276 Resp: 38261

Ion Ratio Lower Upper

276 100

277 24.2 17.3 25.9

138 7.8 9.6 14.4#

