

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054567.D
 Acq On : 9 Aug 2022 12:55
 Operator : CG/JU
 Sample : N3962-18
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-203

Quant Time: Aug 09 17:02:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

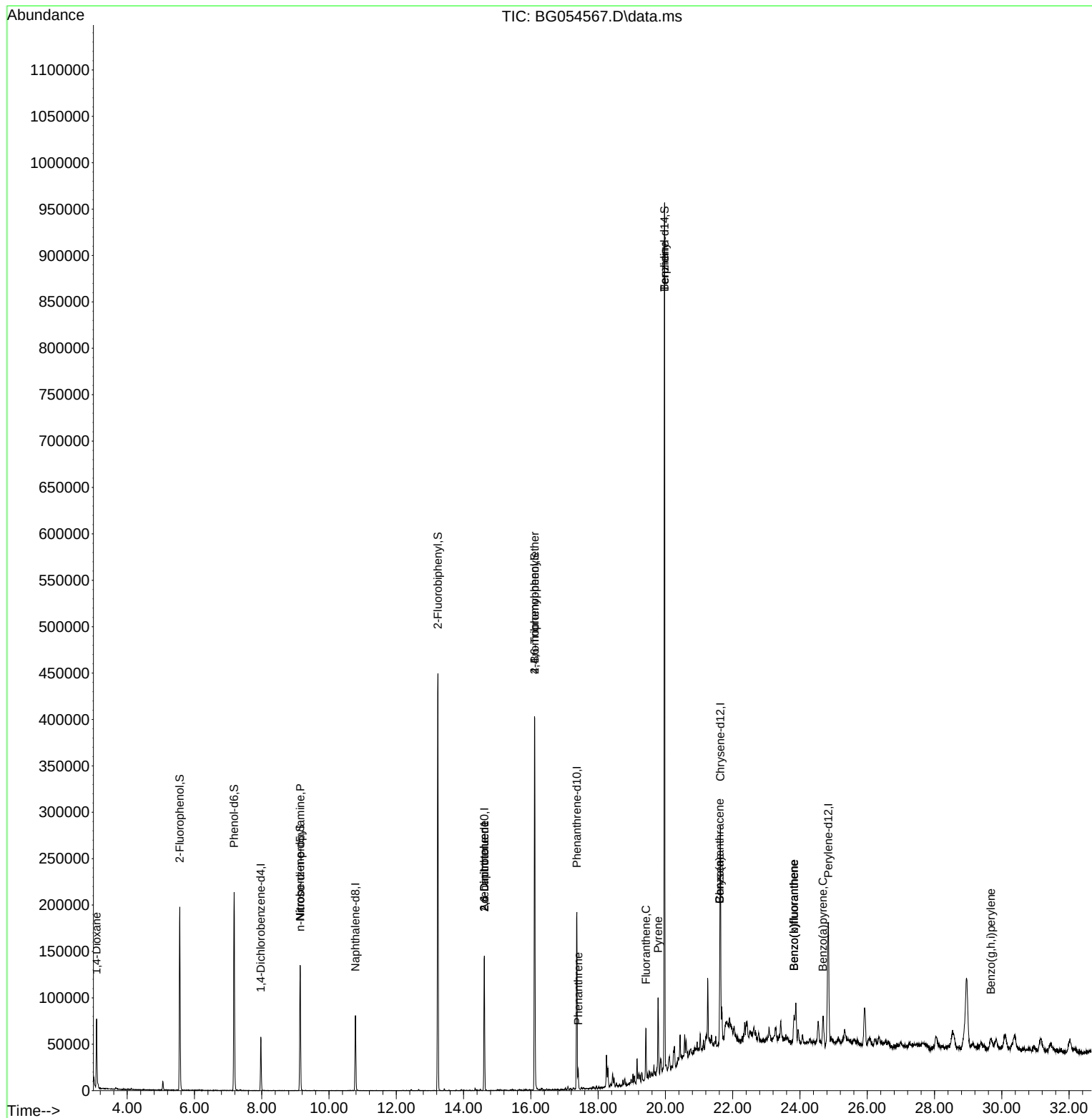
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	17861	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	72743	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	58082	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	141719	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	153258	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	162900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	89772	104.940	ng	0.00
7) Phenol-d6	7.178	99	123432	105.300	ng	0.00
23) Nitrobenzene-d5	9.140	82	83563	62.557	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	112908	92.585	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	263320	63.955	ng	0.00
79) Terphenyl-d14	19.974	244	537030	69.514	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.088	88	706	2.074	ng	# 1
9) Benzaldehyde	7.178	77	280	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.146	70	11878	15.174	ng	# 80
51) 2,6-Dinitrotoluene	14.616	165	8179	8.219	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	8179	5.733	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6993	3.513	ng	# 1
71) Phenanthrene	17.407	178	15528	2.200	ng	97
75) Fluoranthene	19.422	202	37059	3.852	ng	96
77) Benzidine	19.974	184	7039	2.536	ng	# 94
78) Pyrene	19.780	202	56151	6.385	ng	99
81) Benzo(a)anthracene	21.614	228	27027	2.778	ng	97
83) Chrysene	21.614	228	27027	2.940	ng	96
88) Benzo(b)fluoranthene	23.823	252	38829	4.031	ng	93
89) Benzo(k)fluoranthene	23.823	252	38829	4.050	ng	95
90) Benzo(a)pyrene	24.681	252	32807	3.988	ng	# 96
92) Benzo(g,h,i)perylene	29.675	276	30944	3.077	ng	# 88

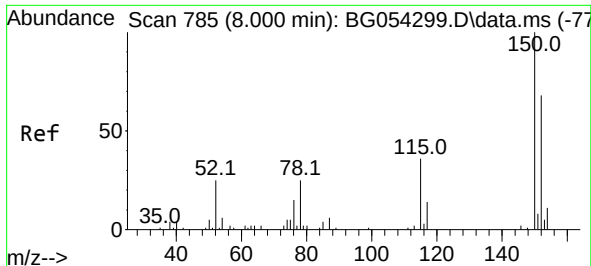
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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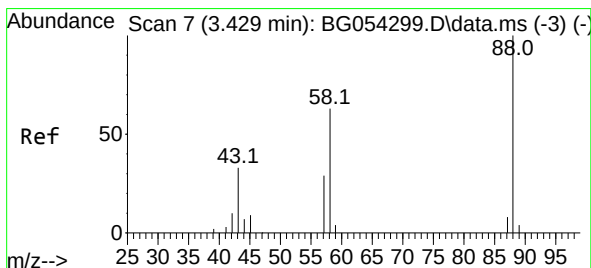
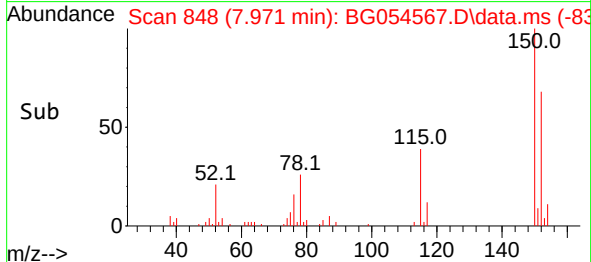
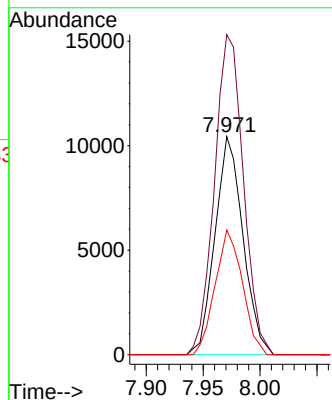
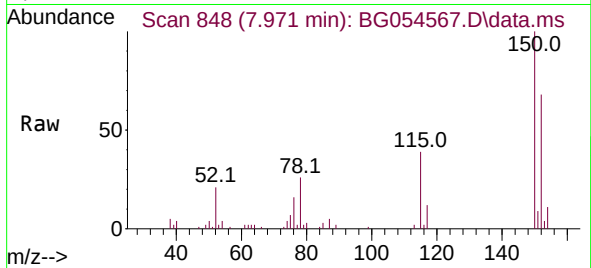




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.971 min Scan# 84
 Delta R.T. -0.001 min
 Lab File: BG054567.D
 Acq: 9 Aug 2022 12:55

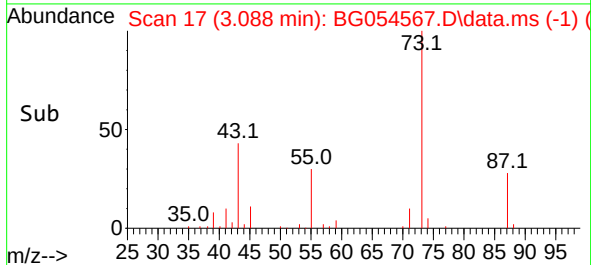
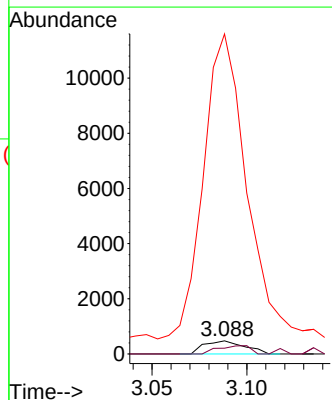
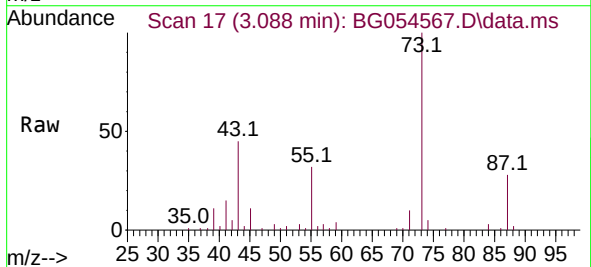
Instrument :
 BNA_G
 ClientSampleId :
 RVE-203

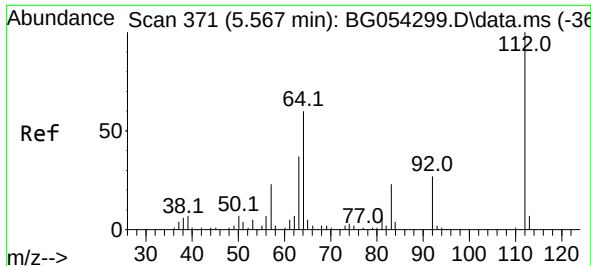
Tgt Ion:152 Resp: 17861
 Ion Ratio Lower Upper
 152 100
 150 146.7 131.6 197.4
 115 57.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.074 ng
 RT: 3.088 min Scan# 17
 Delta R.T. -0.307 min
 Lab File: BG054567.D
 Acq: 9 Aug 2022 12:55

Tgt Ion: 88 Resp: 706
 Ion Ratio Lower Upper
 88 100
 58 50.4 59.2 88.8#
 43 2727.5 24.3 36.5#

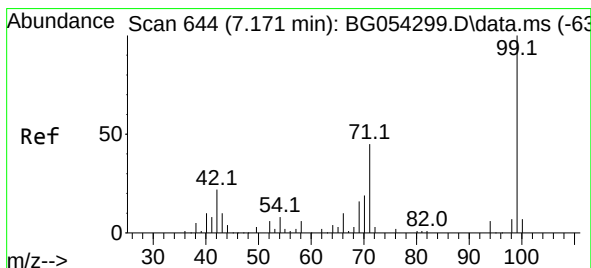
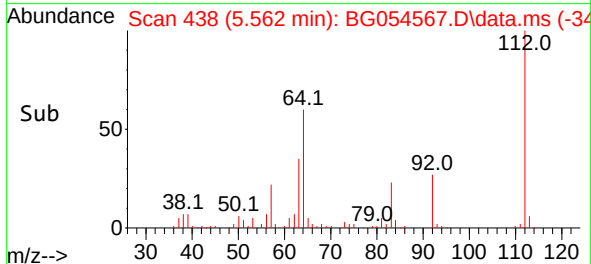
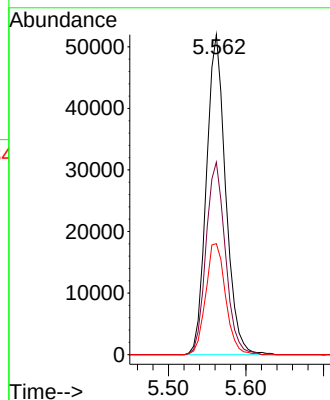
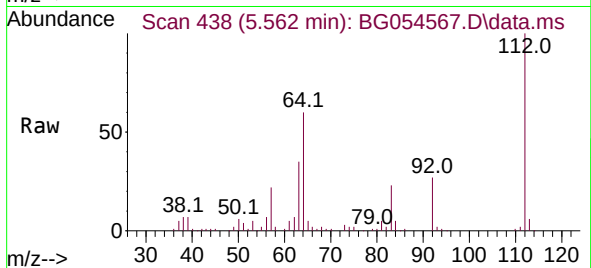




#5
2-Fluorophenol
Concen: 104.940 ng
RT: 5.562 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

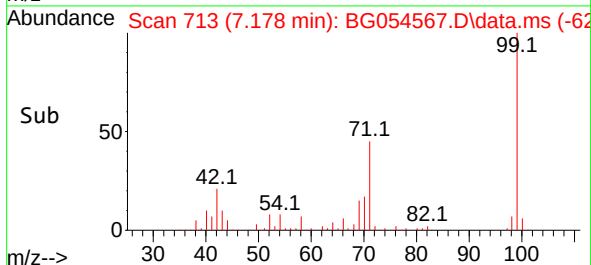
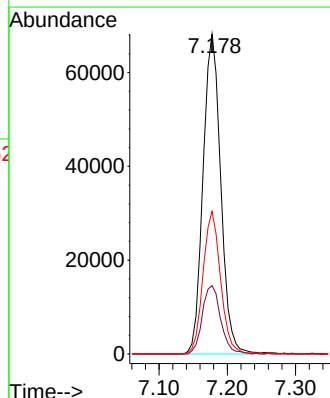
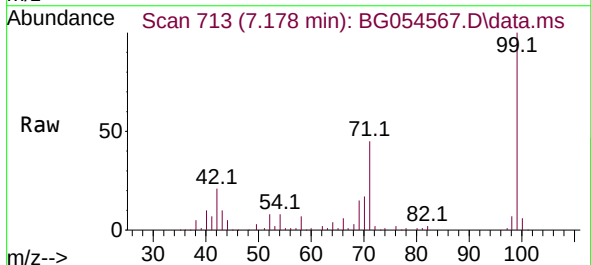
Instrument :
BNA_G
ClientSampleId :
RVE-203

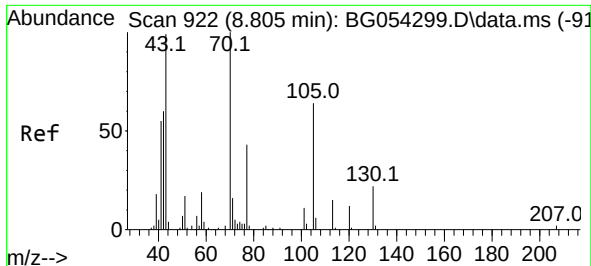
Tgt Ion:112 Resp: 89772
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 34.7 30.4 45.6



#7
Phenol-d6
Concen: 105.300 ng
RT: 7.178 min Scan# 713
Delta R.T. -0.002 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Tgt Ion: 99 Resp: 123432
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 44.6 33.8 50.8



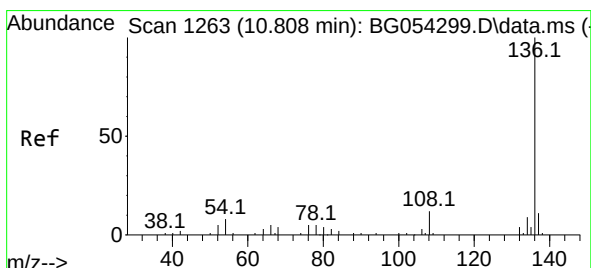
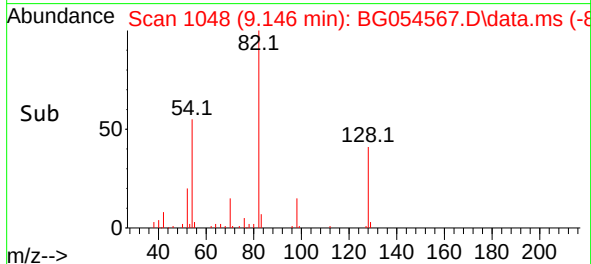
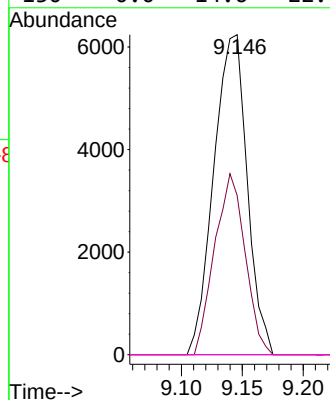
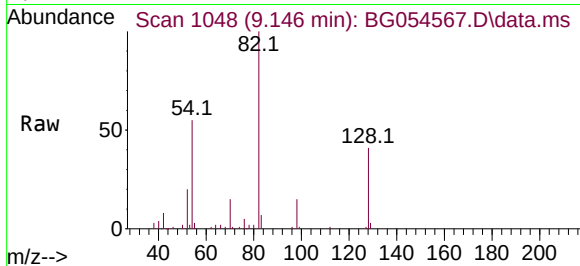


#19
n-Nitroso-di-n-propylamine
Concen: 15.174 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.363 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Instrument :
BNA_G
ClientSampleId :
RVE-203

Tgt Ion: 70 Resp: 11878

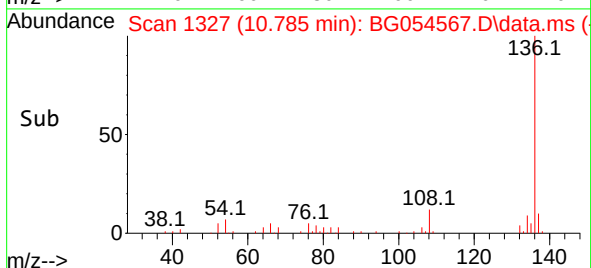
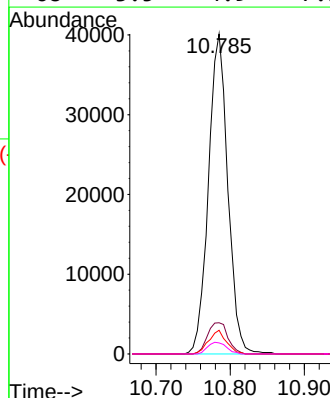
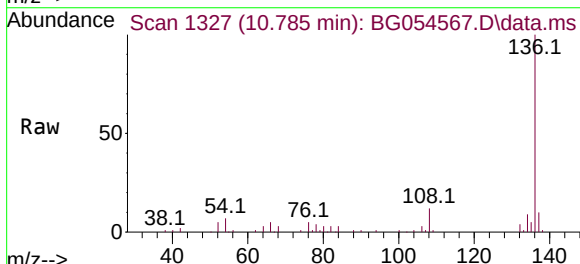
Ion	Ratio	Lower	Upper
70	100		
42	49.7	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#

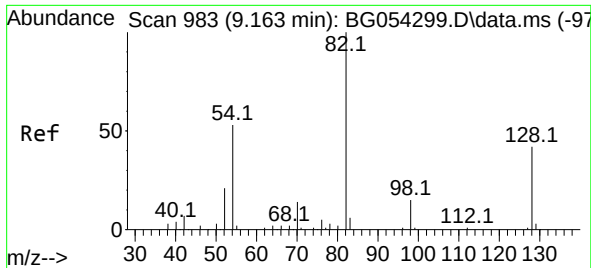


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Tgt Ion: 136 Resp: 72743

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.5	12.7
54	7.4	7.4	11.2#
68	3.5	4.9	7.3#

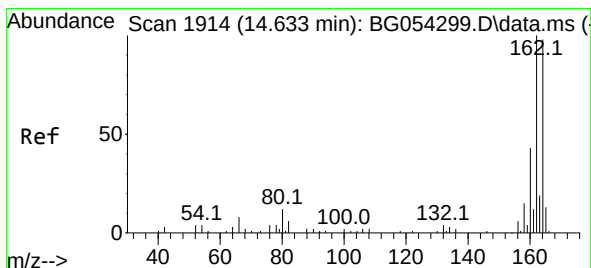
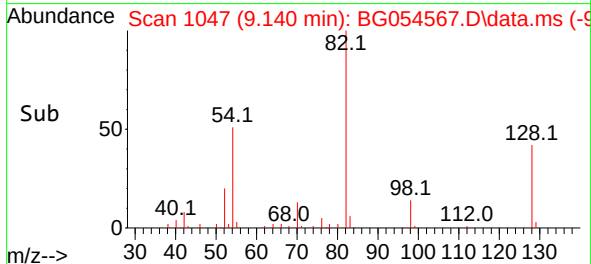
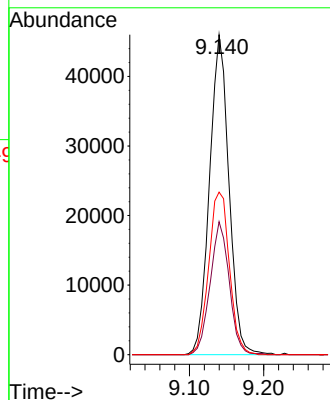
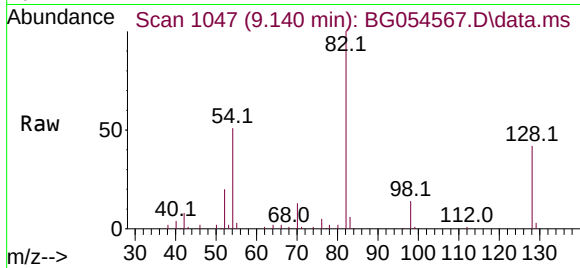




#23
Nitrobenzene-d5
Concen: 62.557 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

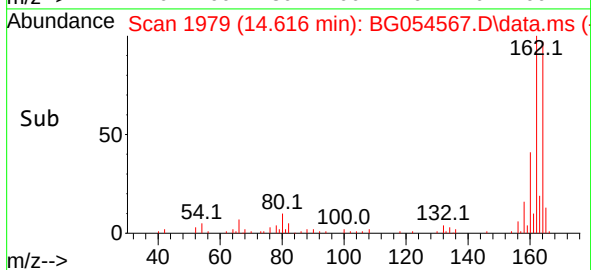
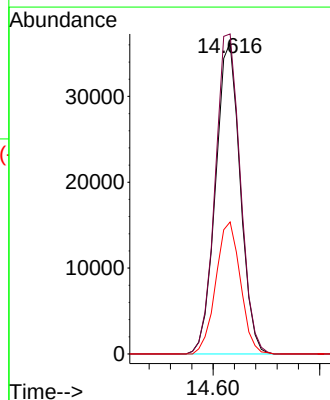
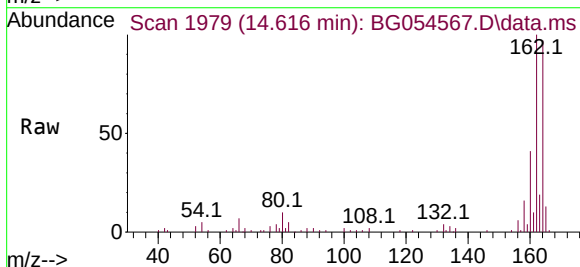
Instrument :
BNA_G
ClientSampleId :
RVE-203

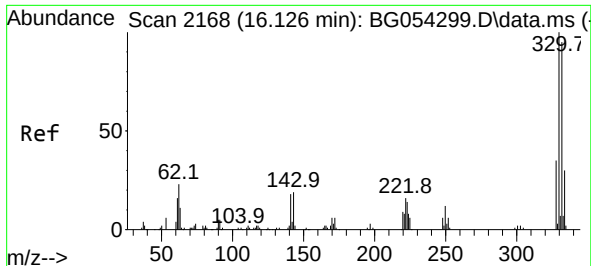
Tgt Ion: 82 Resp: 83563
Ion Ratio Lower Upper
82 100
128 41.5 27.9 41.9
54 50.8 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Tgt Ion:164 Resp: 58082
Ion Ratio Lower Upper
164 100
162 102.8 82.3 123.5
160 42.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 92.585 ng

RT: 16.114 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG054567.D

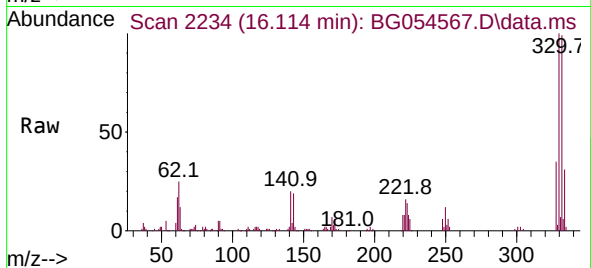
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Instrument :

BNA_G

ClientSampleId :

RVE-203



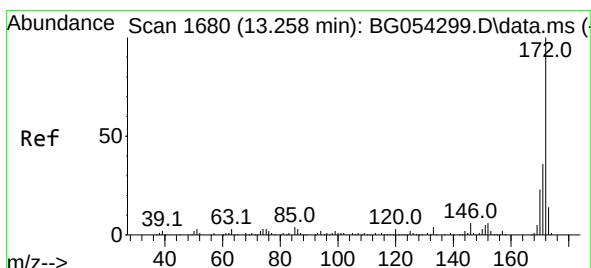
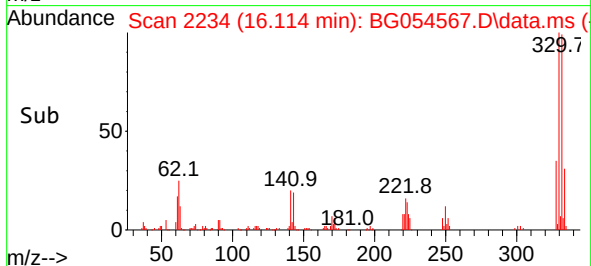
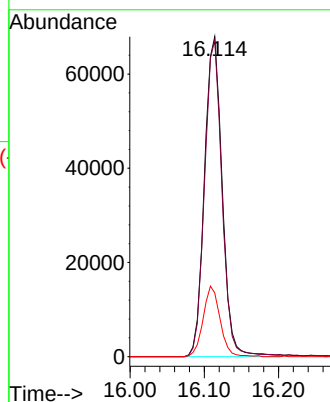
Tgt Ion:330 Resp: 112908

Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

141 21.1 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 63.955 ng

RT: 13.235 min Scan# 1744

Delta R.T. -0.002 min

Lab File: BG054567.D

Acq: 9 Aug 2022 12:55

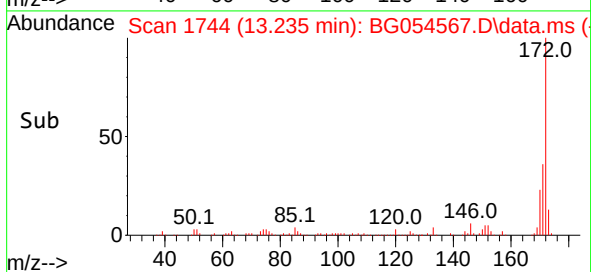
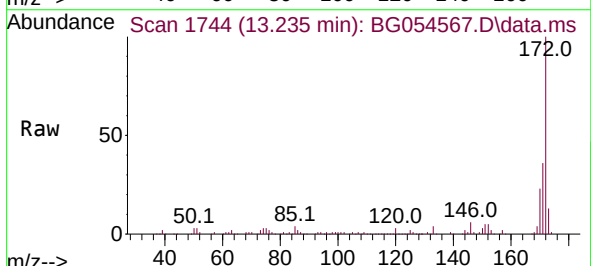
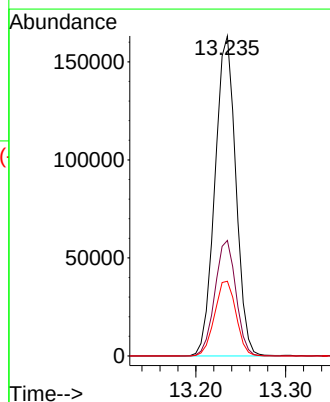
Tgt Ion:172 Resp: 263320

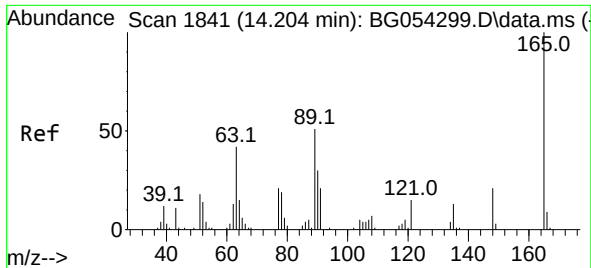
Ion Ratio Lower Upper

172 100

171 36.1 28.5 42.7

170 23.4 18.9 28.3

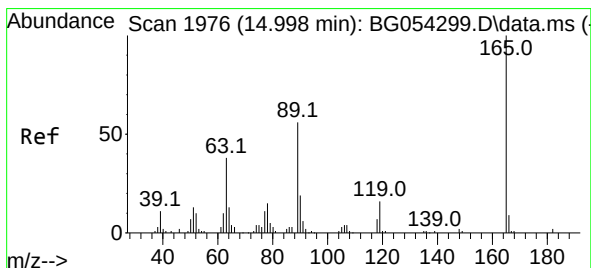
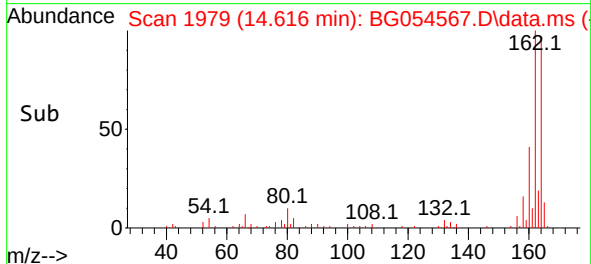
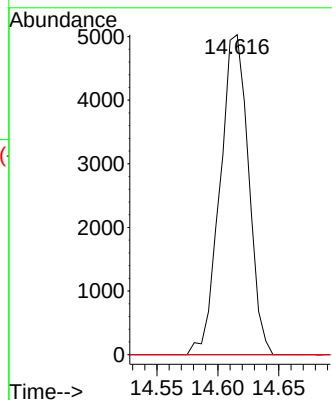
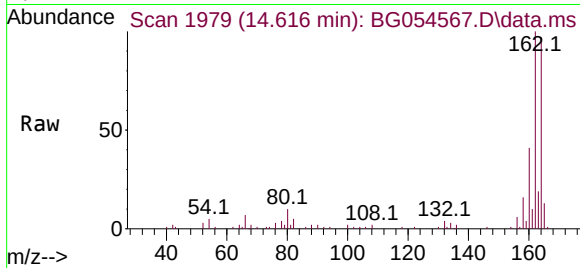




#51
2,6-Dinitrotoluene
Concen: 8.219 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.421 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

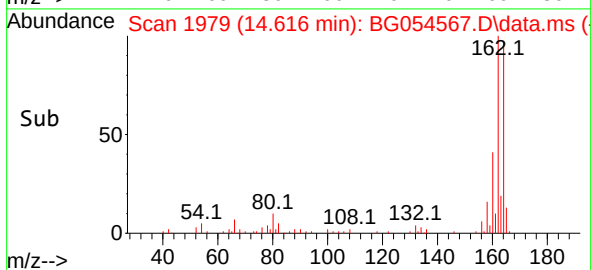
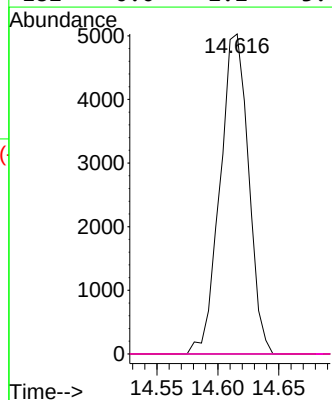
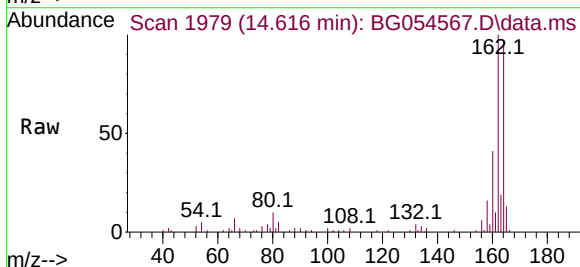
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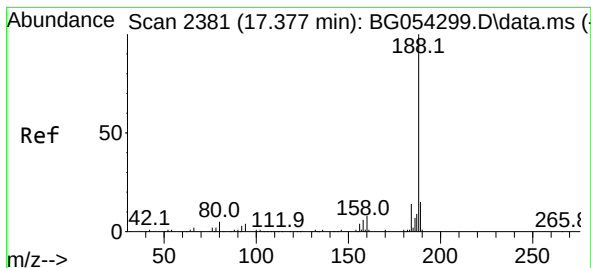
Tgt Ion:165 Resp: 8179
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.733 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.378 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Tgt Ion:165 Resp: 8179
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. 0.004 min

Lab File: BG054567.D

Acq: 9 Aug 2022 12:55

Instrument :

BNA_G

ClientSampleId :

RVE-203

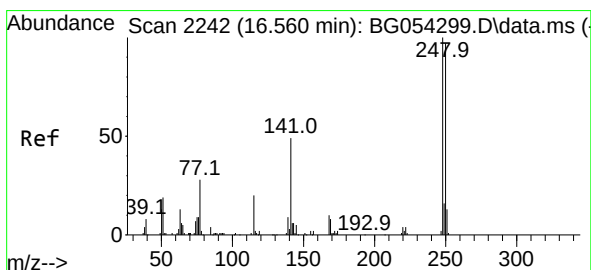
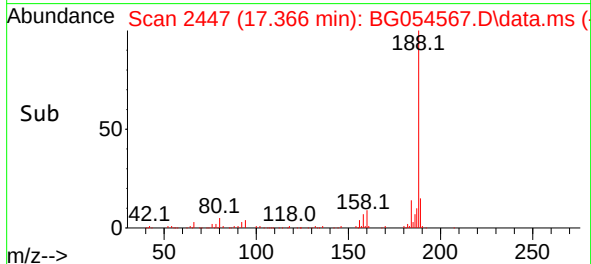
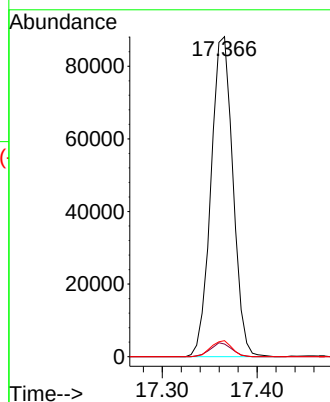
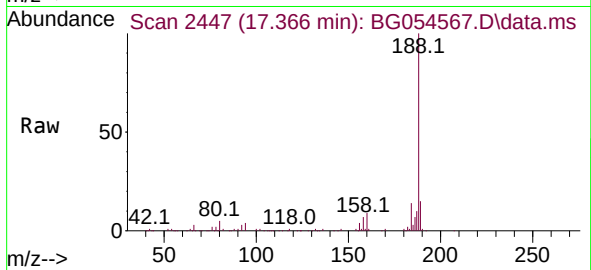
Tgt Ion:188 Resp: 141719

Ion Ratio Lower Upper

188 100

94 4.0 5.4 8.0#

80 5.0 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.513 ng

RT: 16.114 min Scan# 2234

Delta R.T. -0.431 min

Lab File: BG054567.D

Acq: 9 Aug 2022 12:55

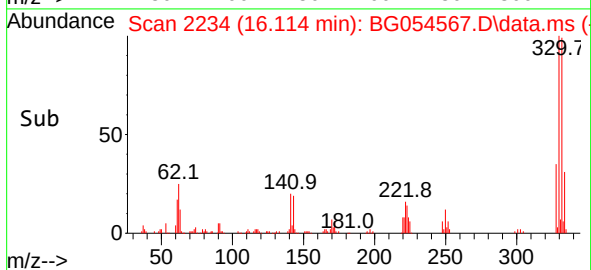
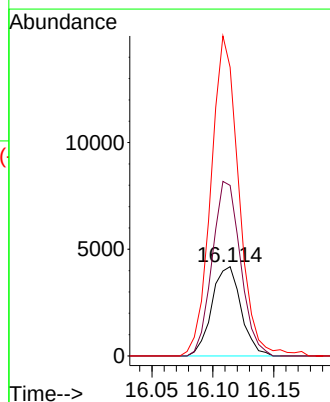
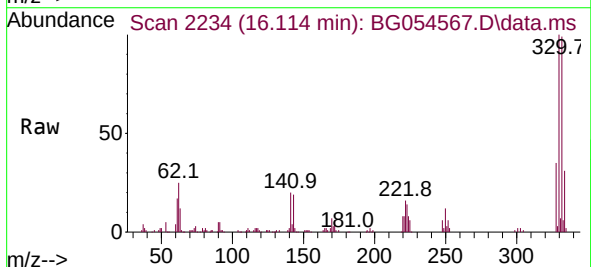
Tgt Ion:248 Resp: 6993

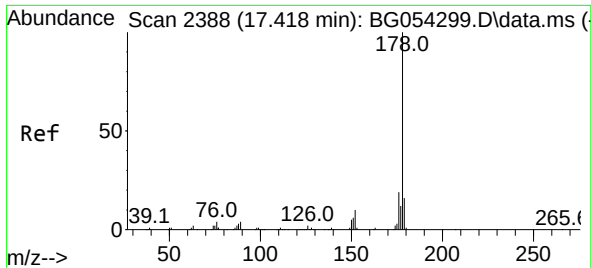
Ion Ratio Lower Upper

248 100

250 145.5 75.2 112.8#

141 246.1 50.0 75.0#

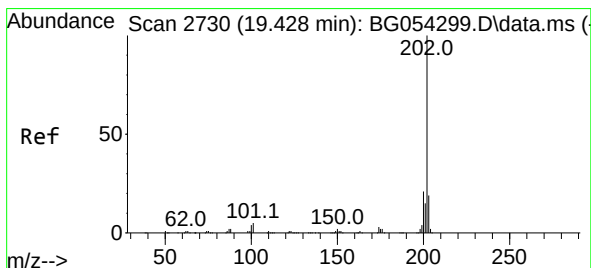
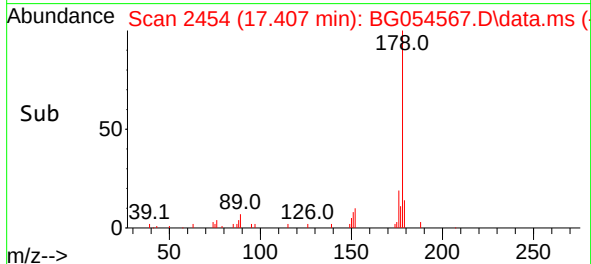
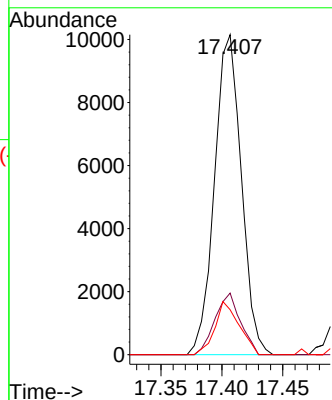
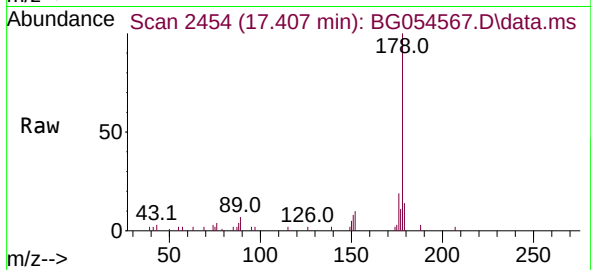




#71
Phenanthrene
Concen: 2.200 ng
RT: 17.407 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

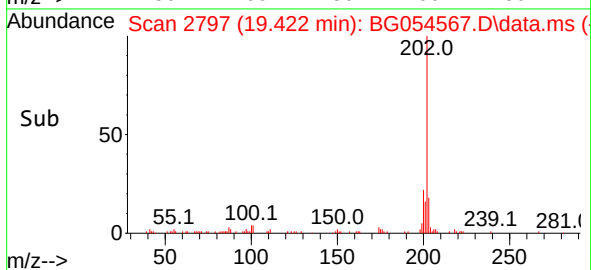
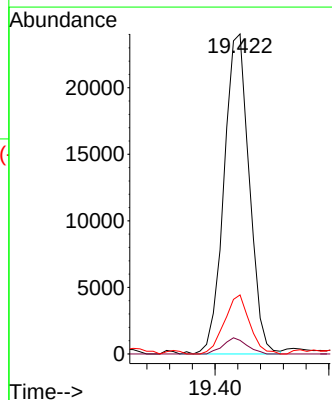
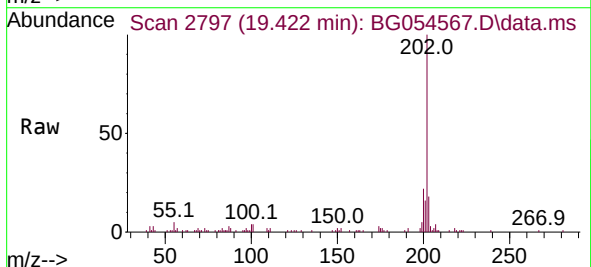
Instrument :
BNA_G
ClientSampleId :
RVE-203

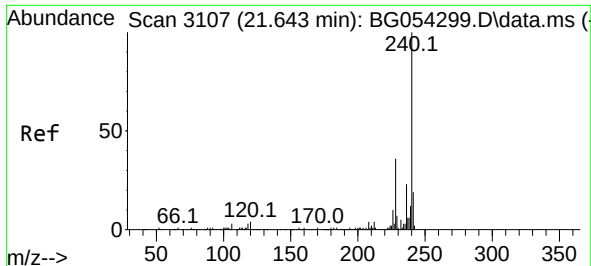
Tgt Ion:178 Resp: 15528
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 14.0 12.1 18.1



#75
Fluoranthene
Concen: 3.852 ng
RT: 19.422 min Scan# 2797
Delta R.T. 0.004 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Tgt Ion:202 Resp: 37059
Ion Ratio Lower Upper
202 100
101 4.2 0.0 26.9
203 18.5 0.0 37.2

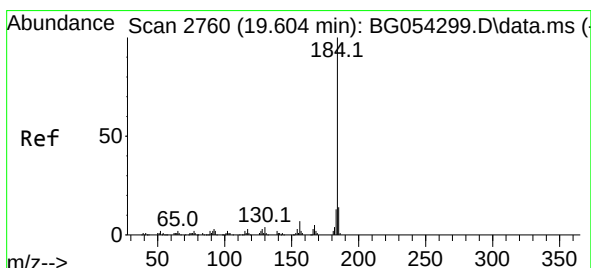
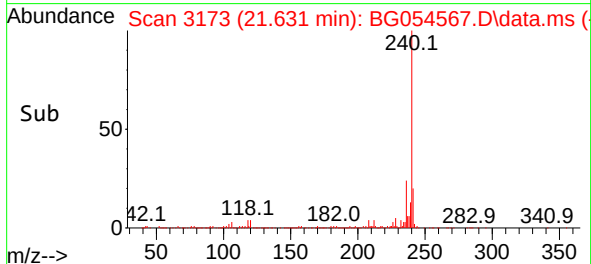
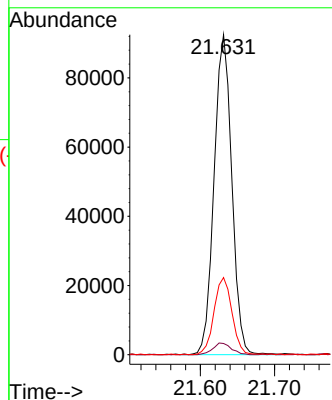
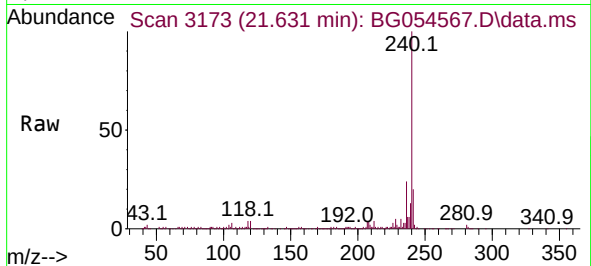




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

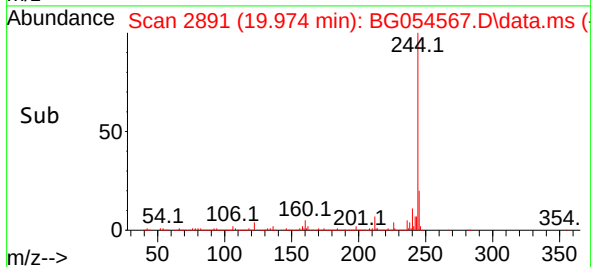
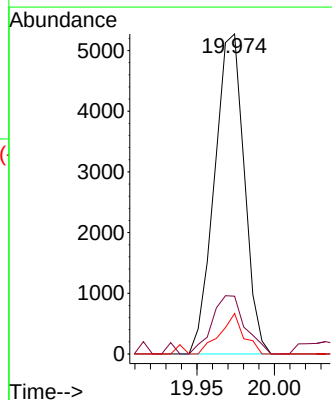
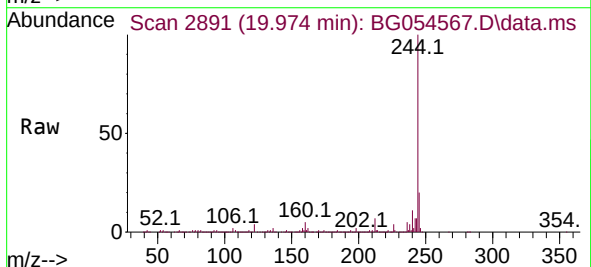
Instrument :
BNA_G
ClientSampleId :
RVE-203

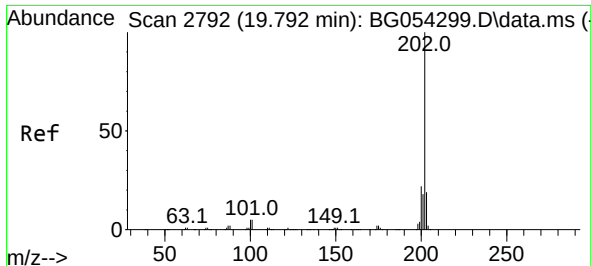
Tgt Ion:240 Resp: 153258
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 24.1 20.2 30.4



#77
Benzidine
Concen: 2.536 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.380 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Tgt Ion:184 Resp: 7039
Ion Ratio Lower Upper
184 100
185 18.0 11.8 17.6#
183 12.6 8.9 13.3

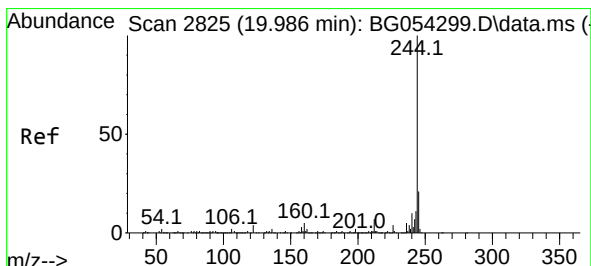
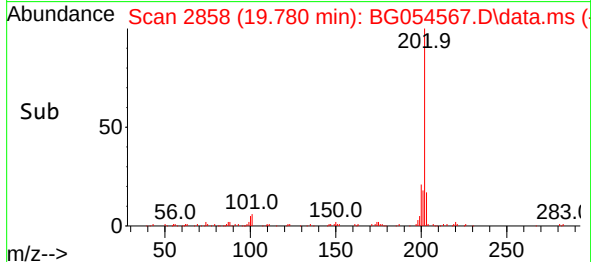
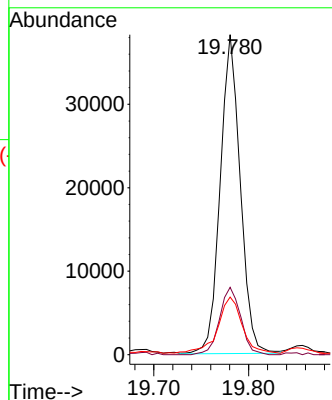
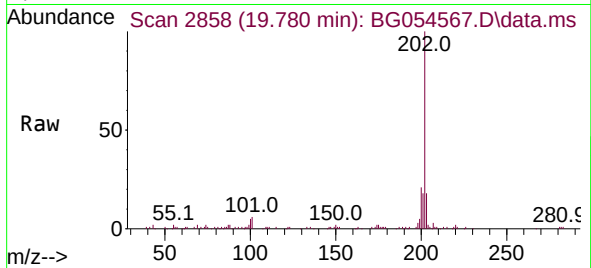




#78
 Pyrene
 Concen: 6.385 ng
 RT: 19.780 min Scan# 2858
 Delta R.T. -0.002 min
 Lab File: BG054567.D
 Acq: 9 Aug 2022 12:55

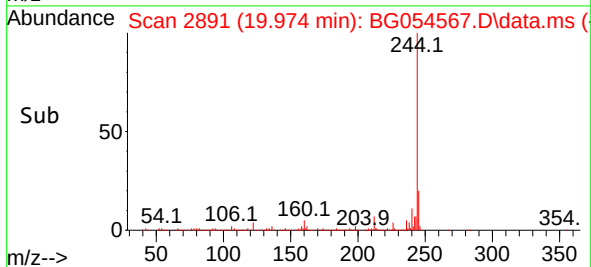
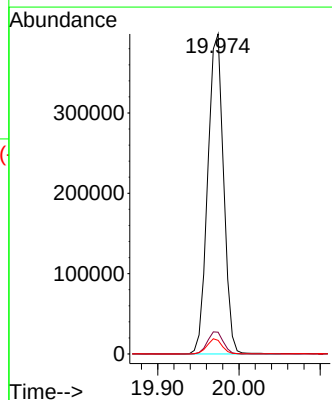
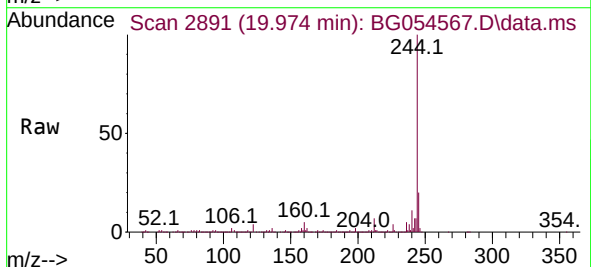
Instrument :
 BNA_G
 ClientSampleId :
 RVE-203

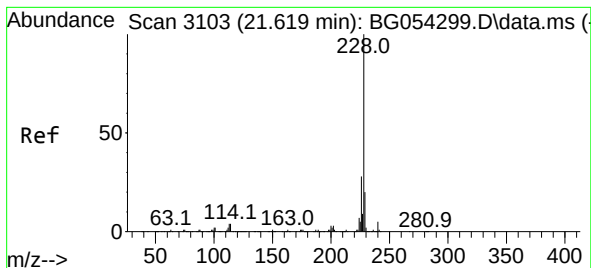
Tgt Ion:202 Resp: 56151
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 24.8
 203 18.0 14.6 21.8



#79
 Terphenyl-d14
 Concen: 69.514 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. 0.004 min
 Lab File: BG054567.D
 Acq: 9 Aug 2022 12:55

Tgt Ion:244 Resp: 537030
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.2 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 2.778 ng

RT: 21.614 min Scan# 3103

Delta R.T. -0.002 min

Lab File: BG054567.D

Acq: 9 Aug 2022 12:55

Instrument :

BNA_G

ClientSampleId :

RVE-203

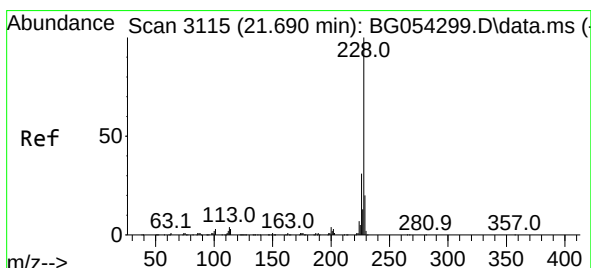
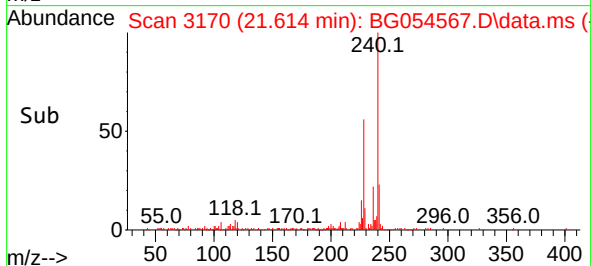
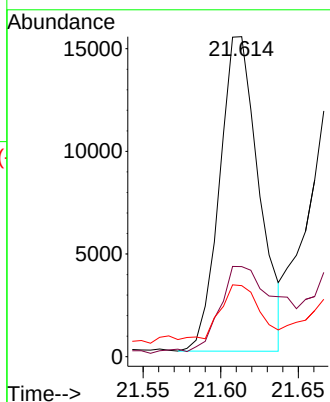
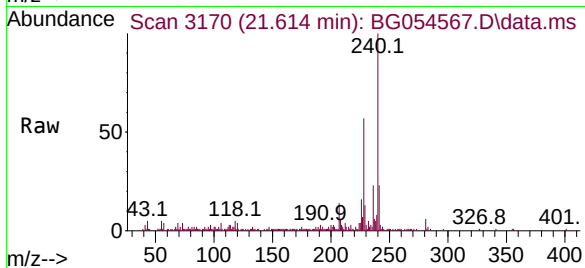
Tgt Ion:228 Resp: 27027

Ion Ratio Lower Upper

228 100

226 28.1 21.6 32.4

229 22.2 16.2 24.2



#83

Chrysene

Concen: 2.940 ng

RT: 21.614 min Scan# 3170

Delta R.T. -0.066 min

Lab File: BG054567.D

Acq: 9 Aug 2022 12:55

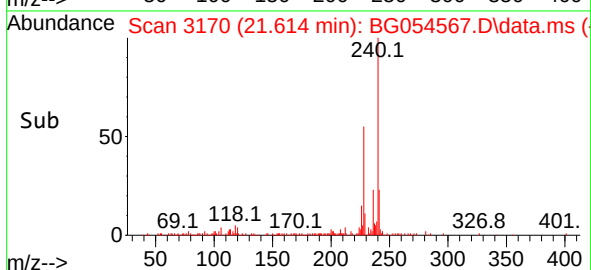
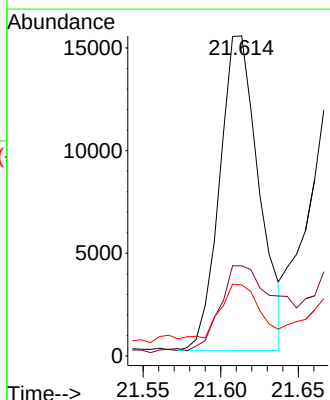
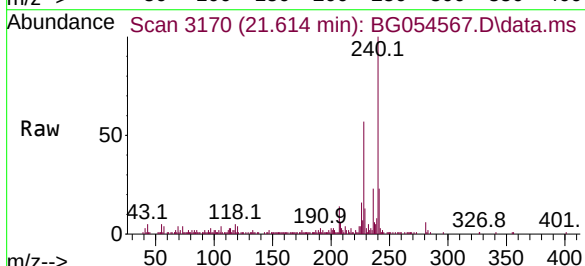
Tgt Ion:228 Resp: 27027

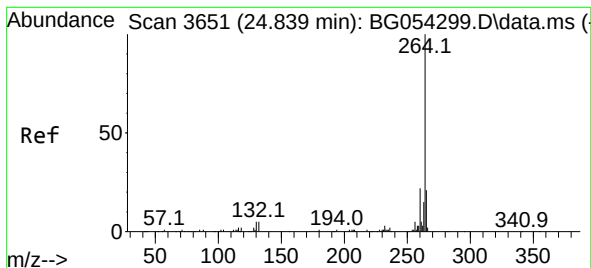
Ion Ratio Lower Upper

228 100

226 28.1 23.4 35.2

229 22.2 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG054567.D

Acq: 9 Aug 2022 12:55

Instrument :

BNA_G

ClientSampleId :

RVE-203

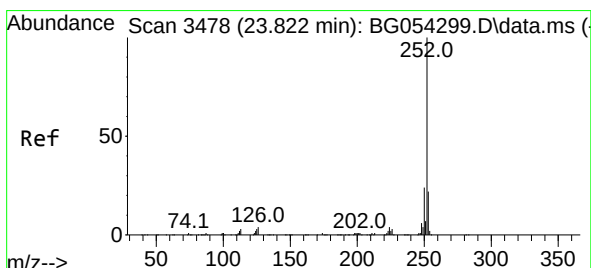
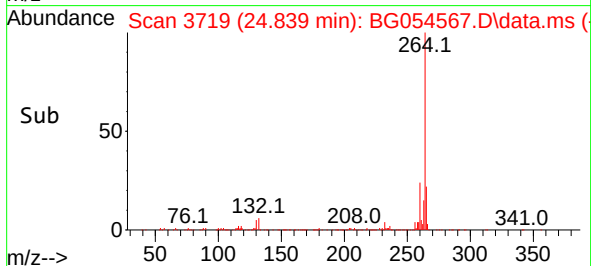
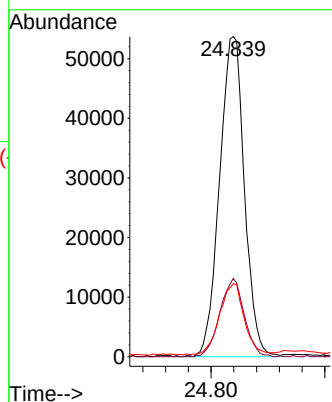
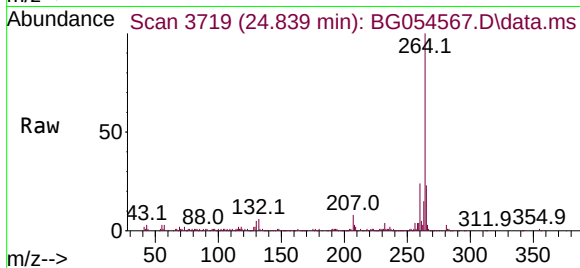
Tgt Ion:264 Resp: 162900

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 22.8 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.031 ng

RT: 23.823 min Scan# 3546

Delta R.T. 0.004 min

Lab File: BG054567.D

Acq: 9 Aug 2022 12:55

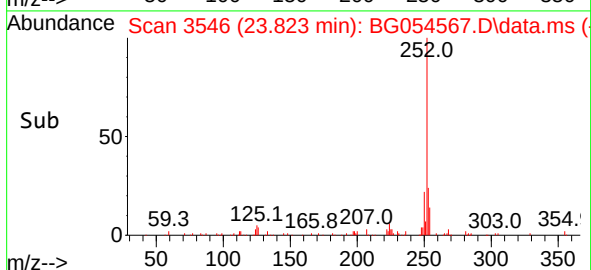
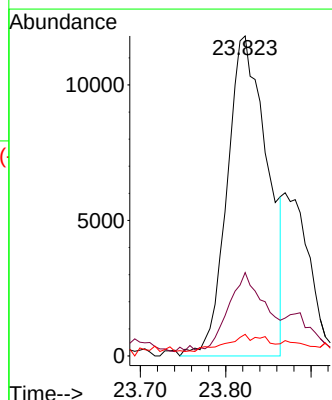
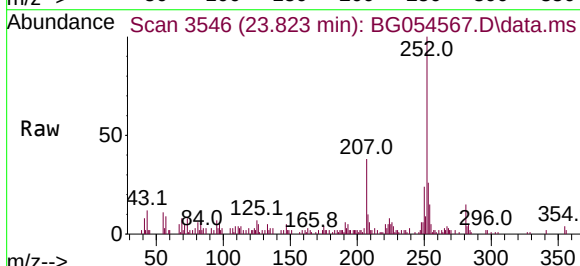
Tgt Ion:252 Resp: 38829

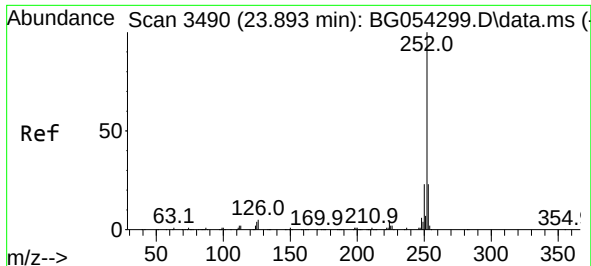
Ion Ratio Lower Upper

252 100

253 26.1 18.0 27.0

125 6.8 4.6 6.8

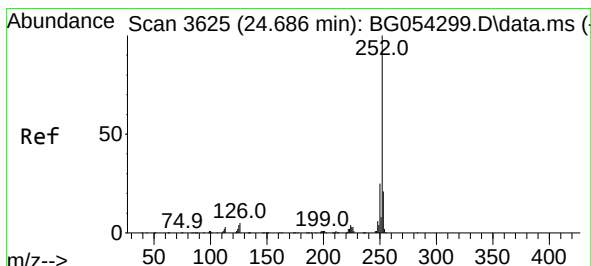
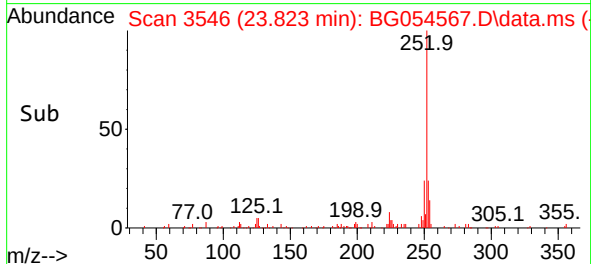
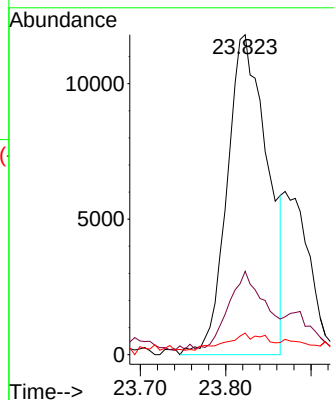
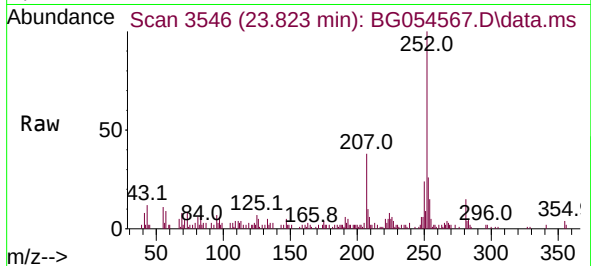




#89
Benzo(k)fluoranthene
Concen: 4.050 ng
RT: 23.823 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

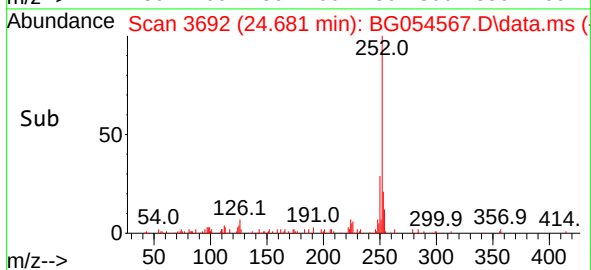
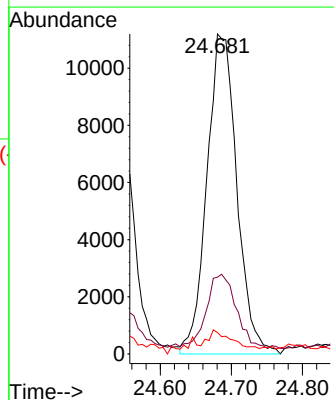
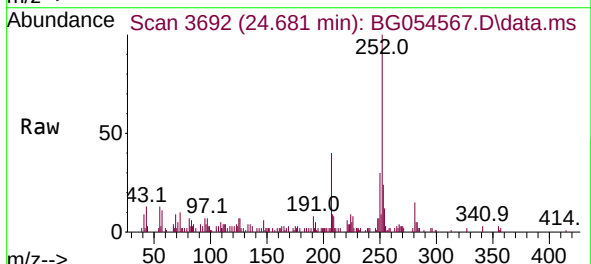
Instrument :
BNA_G
ClientSampleId :
RVE-203

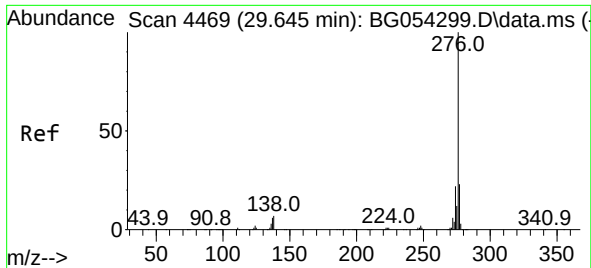
Tgt Ion:252 Resp: 38829
Ion Ratio Lower Upper
252 100
253 26.1 18.4 27.6
125 6.8 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.988 ng
RT: 24.681 min Scan# 3692
Delta R.T. -0.008 min
Lab File: BG054567.D
Acq: 9 Aug 2022 12:55

Tgt Ion:252 Resp: 32807
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 6.7 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 3.077 ng
 RT: 29.675 min Scan# 4
 Delta R.T. -0.002 min
 Lab File: BG054567.D
 Acq: 9 Aug 2022 12:55

Instrument :
 BNA_G
 ClientSampleId :
 RVE-203

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.3	25.9#
138	6.6	9.6	14.4#

