

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054438.D
 Acq On : 28 Jul 2022 19:16
 Operator : CG/JU
 Sample : N3893-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-10

Quant Time: Jul 29 04:09:31 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)

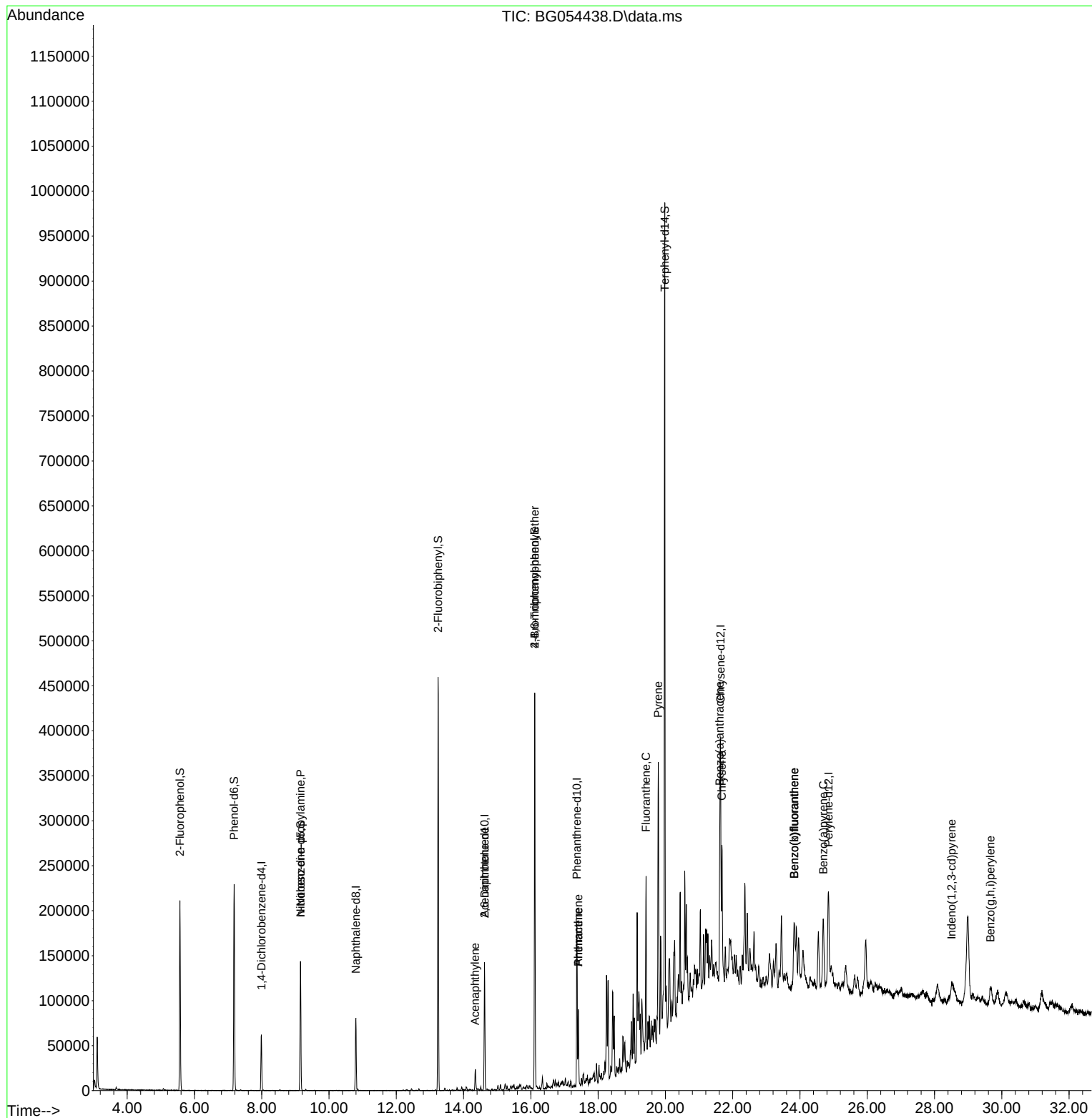
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	19083	20.000	ng	0.00
21) Naphthalene-d8	10.798	136	74107	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	54679	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	130481	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	145354	20.000	ng	# 0.00
86) Perylene-d12	24.846	264	143553	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	98250	107.496	ng	0.00
7) Phenol-d6	7.178	99	132731	105.982	ng	0.00
23) Nitrobenzene-d5	9.152	82	88686	65.170	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	113018	98.443	ng	0.00
45) 2-Fluorobiphenyl	13.242	172	270096	69.684	ng	0.00
79) Terphenyl-d14	19.981	244	511465	69.805	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.178	77	167	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.152	70	12998	15.542	ng	# 80
49) Acenaphthylene	14.346	152	24505	5.268	ng	99
51) 2,6-Dinitrotoluene	14.622	165	7457	7.960	ng	# 16
67) 4-Bromophenyl-phenylether	16.115	248	6855	3.741	ng	# 1
71) Phenanthrene	17.413	178	62736	9.655	ng	98
72) Anthracene	17.413	178	62736	9.839	ng	99
75) Fluoranthene	19.423	202	115445	13.033	ng	94
78) Pyrene	19.787	202	209253	25.089	ng	98
81) Benzo(a)anthracene	21.614	228	107807	11.684	ng	# 92
83) Chrysene	21.679	228	127000	14.569	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.506	276	44331	4.059	ng	# 96
88) Benzo(b)fluoranthene	23.829	252	141650	16.685	ng	93
89) Benzo(k)fluoranthene	23.829	252	141650	16.765	ng	# 94
90) Benzo(a)pyrene	24.693	252	94631	13.052	ng	97
92) Benzo(g,h,i)perylene	29.664	276	57684	6.508	ng	95

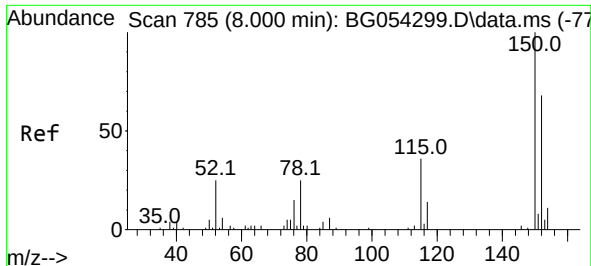
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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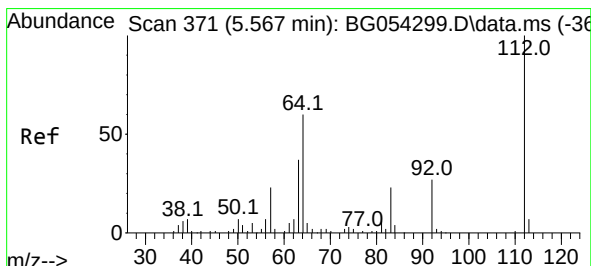
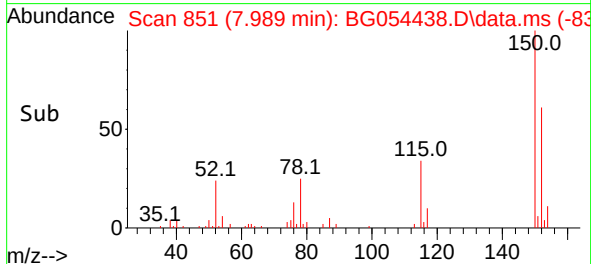
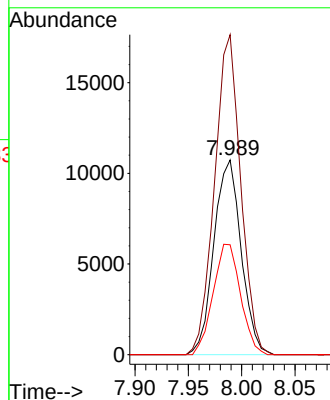
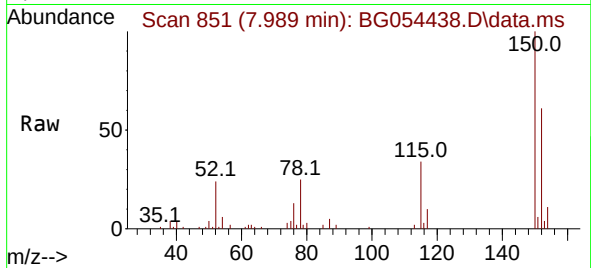




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

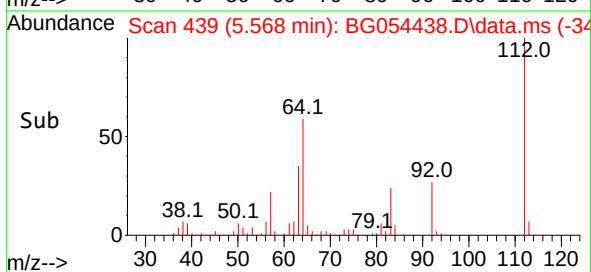
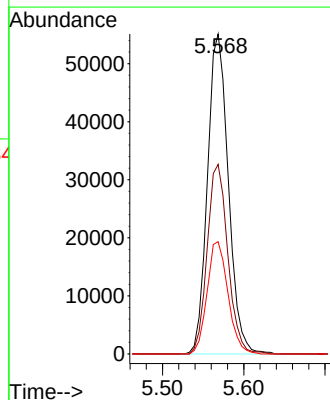
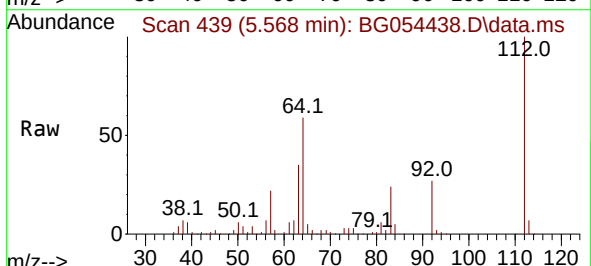
Instrument :
BNA_G
ClientSampleId :
RVE-10

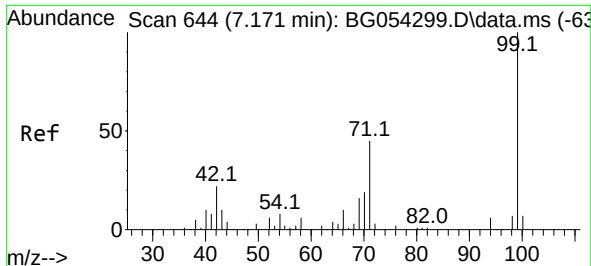
Tgt Ion:152 Resp: 19083
Ion Ratio Lower Upper
152 100
150 164.4 131.6 197.4
115 56.5 50.9 76.3



#5
2-Fluorophenol
Concen: 107.496 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.007 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion:112 Resp: 98250
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 35.1 30.4 45.6

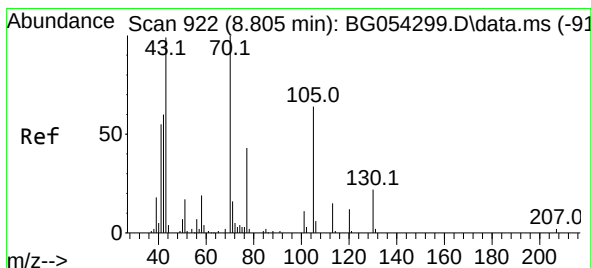
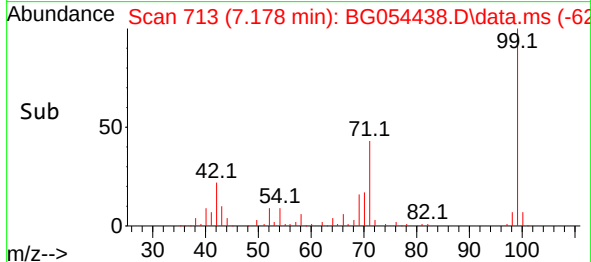
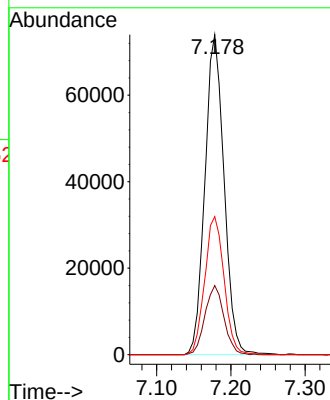
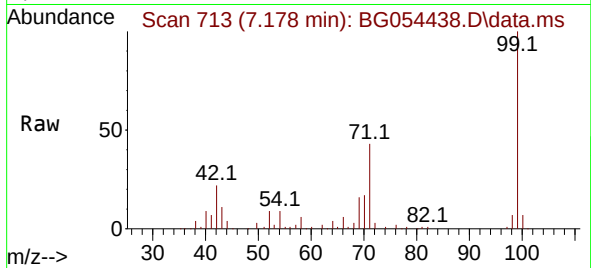




#7
Phenol-d6
Concen: 105.982 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

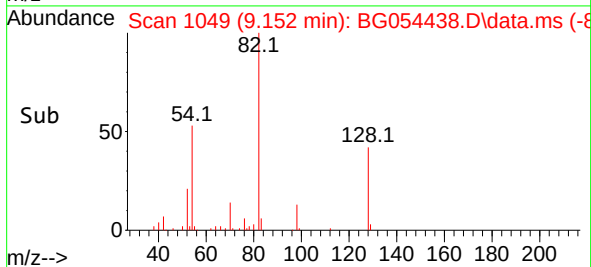
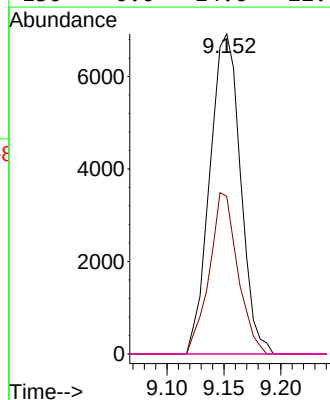
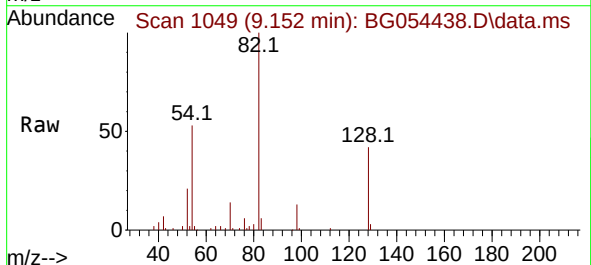
Instrument :
BNA_G
ClientSampleId :
RVE-10

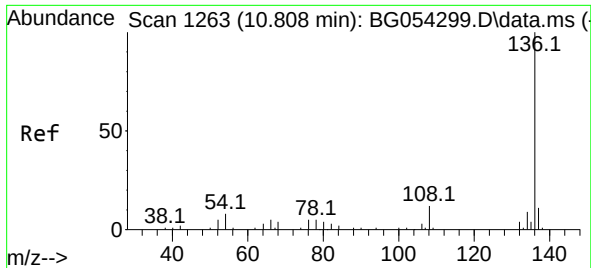
Tgt Ion: 99 Resp: 132731
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 43.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.542 ng
RT: 9.152 min Scan# 1049
Delta R.T. 0.359 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion: 70 Resp: 12998
Ion Ratio Lower Upper
70 100
42 49.3 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

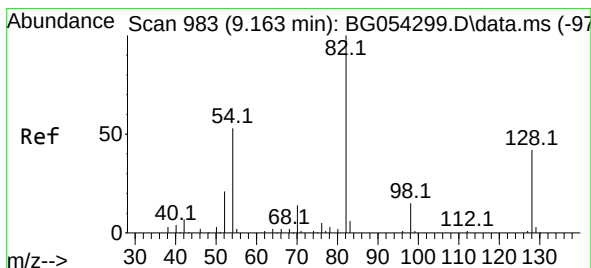
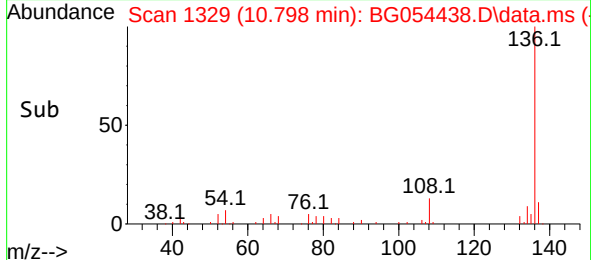
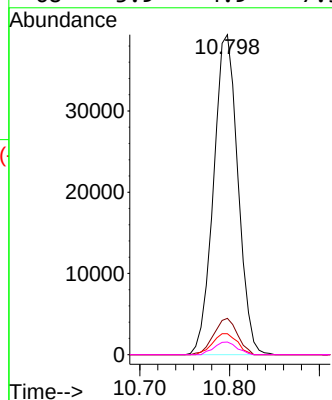
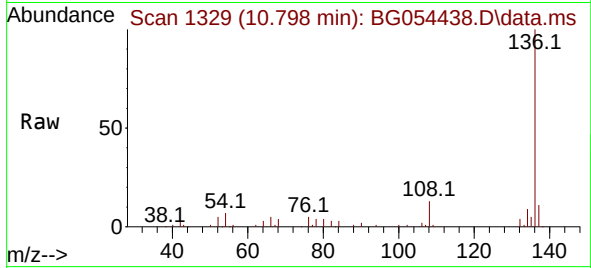




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

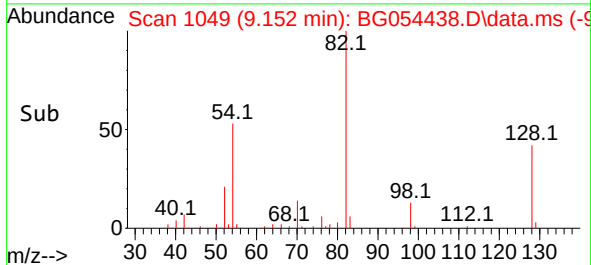
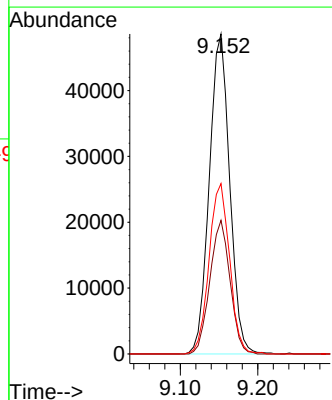
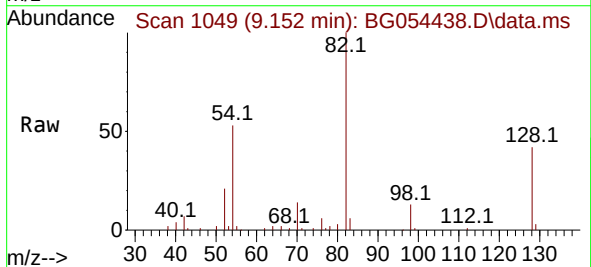
Instrument :
BNA_G
ClientSampleId :
RVE-10

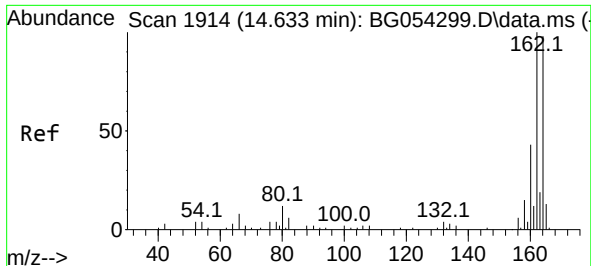
Tgt Ion:	136	Resp:	74107
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	6.6	7.4	11.2#
68	3.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 65.170 ng
RT: 9.152 min Scan# 1049
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion:	82	Resp:	88686
Ion Ratio	Lower	Upper	
82	100		
128	41.8	27.9	41.9
54	53.3	41.2	61.8

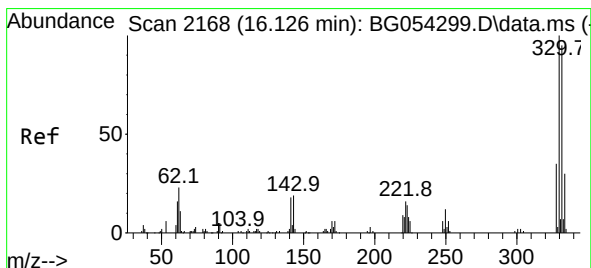
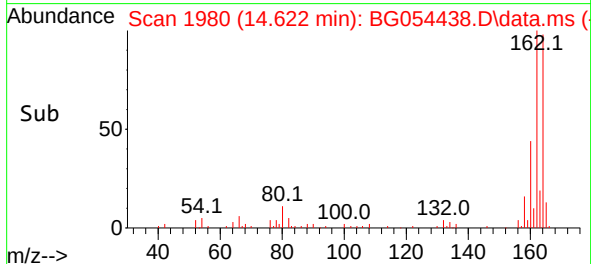
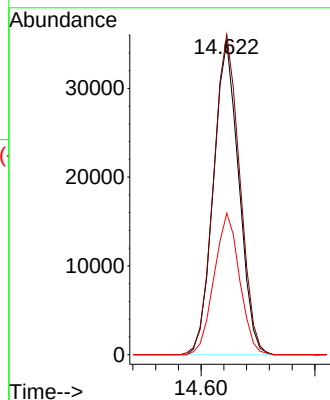
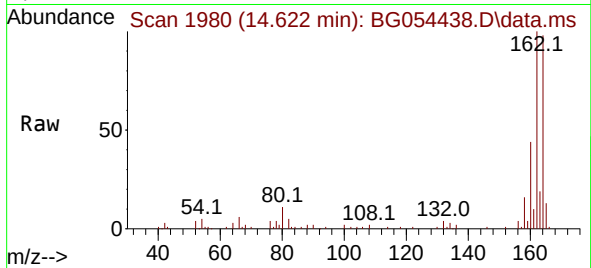




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

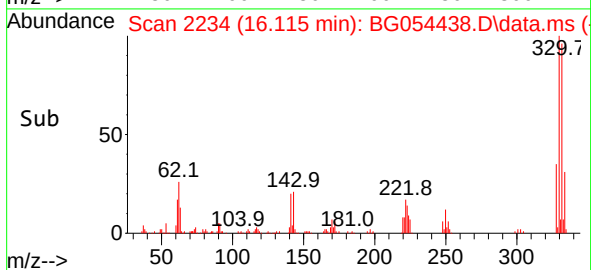
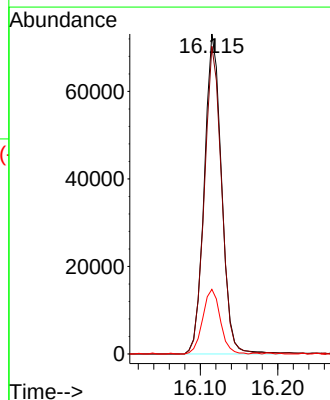
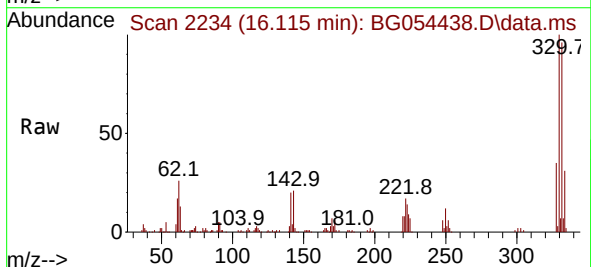
Instrument :
BNA_G
ClientSampleId :
RVE-10

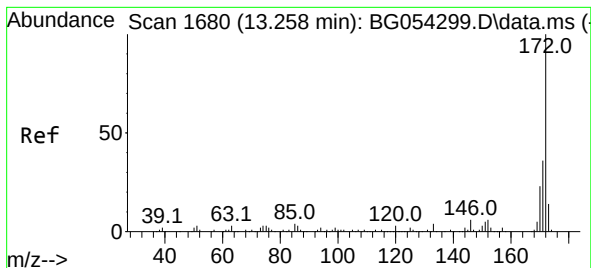
Tgt Ion:164 Resp: 54679
Ion Ratio Lower Upper
164 100
162 102.2 82.3 123.5
160 45.2 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 98.443 ng
RT: 16.115 min Scan# 2234
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion:330 Resp: 113018
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 20.6 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 69.684 ng

RT: 13.242 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

Instrument :

BNA_G

ClientSampleId :

RVE-10

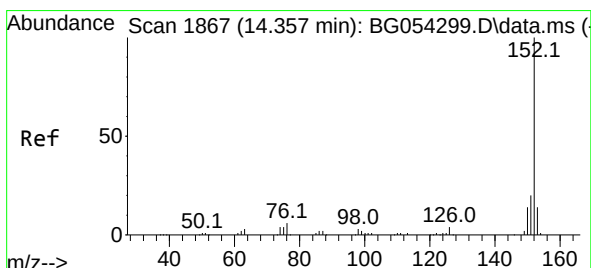
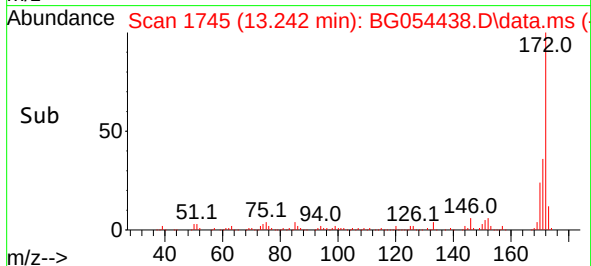
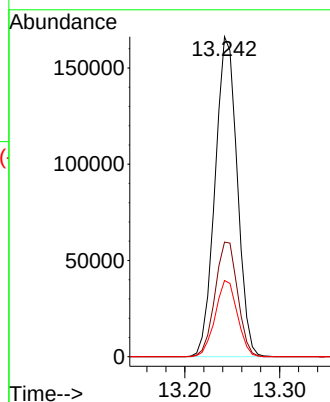
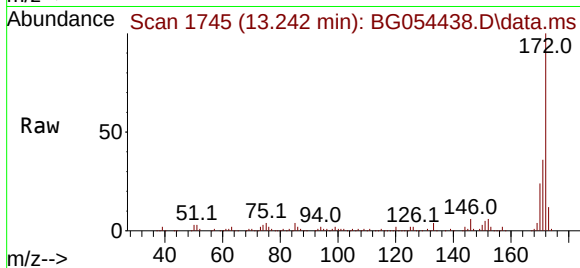
Tgt Ion:172 Resp: 270096

Ion Ratio Lower Upper

172 100

171 35.8 28.5 42.7

170 23.8 18.9 28.3



#49

Acenaphthylene

Concen: 5.268 ng

RT: 14.346 min Scan# 1933

Delta R.T. 0.001 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

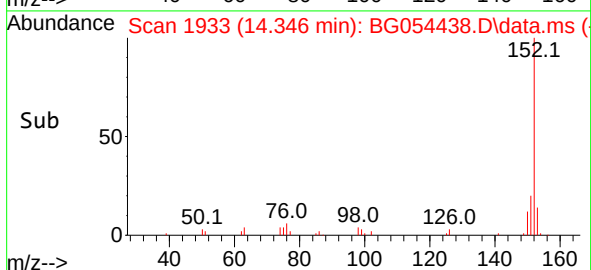
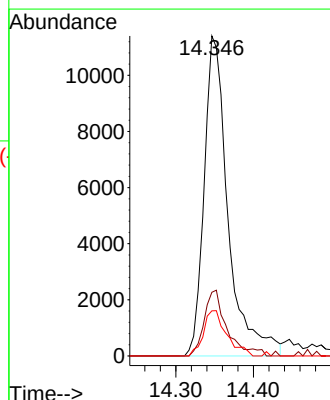
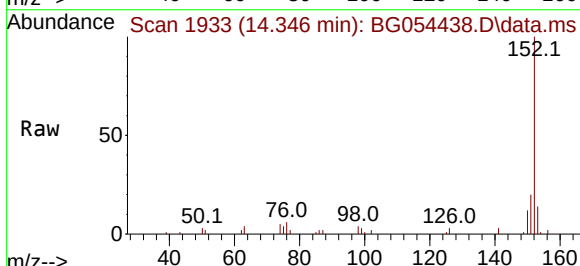
Tgt Ion:152 Resp: 24505

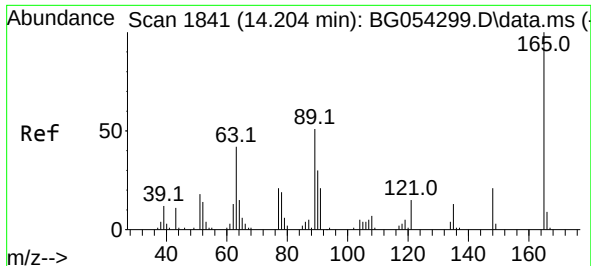
Ion Ratio Lower Upper

152 100

151 19.9 16.4 24.6

153 14.1 10.8 16.2

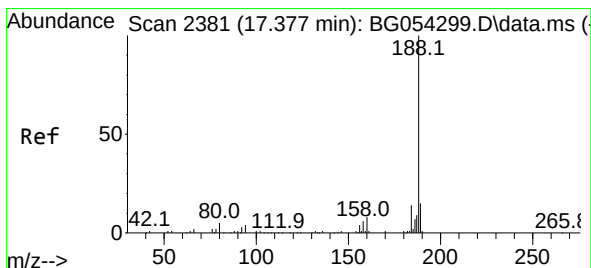
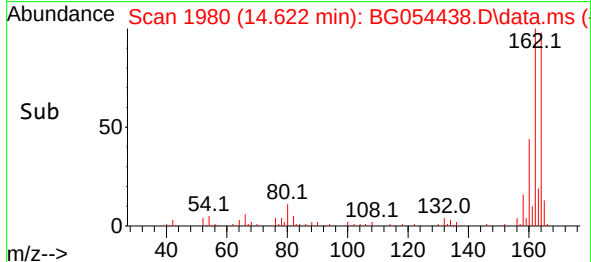
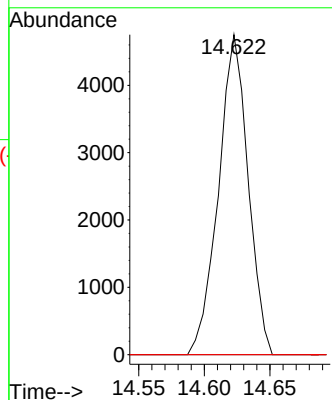
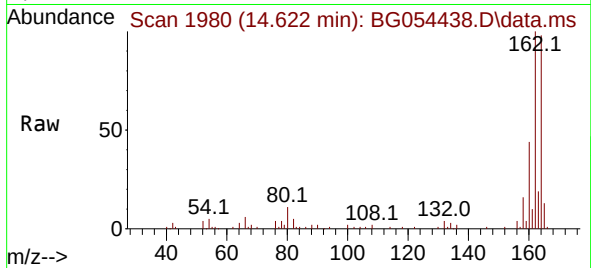




#51
2,6-Dinitrotoluene
Concen: 7.960 ng
RT: 14.622 min Scan# 14
Delta R.T. 0.424 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

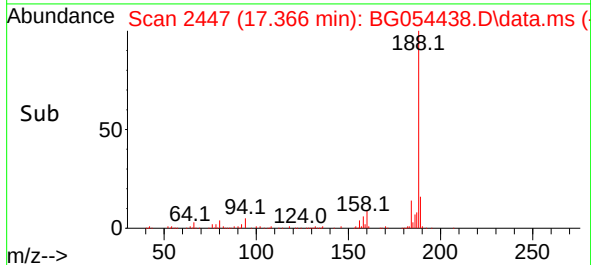
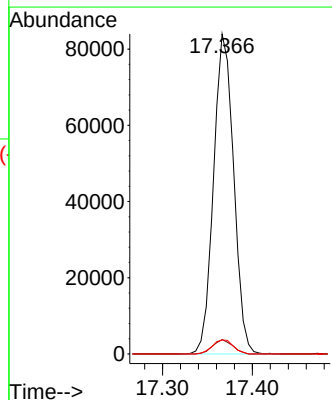
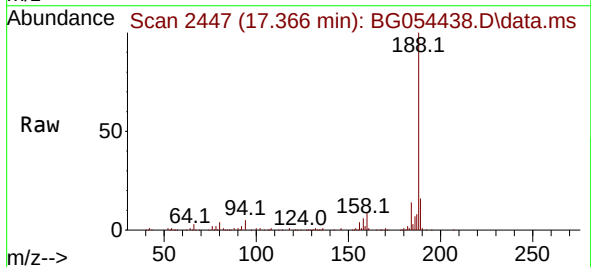
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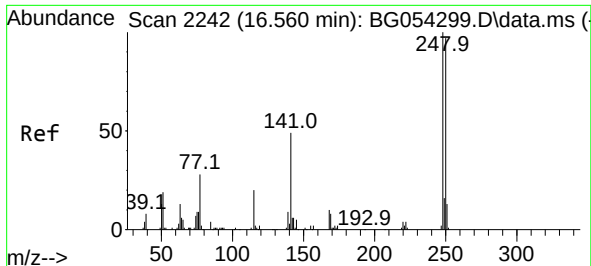
Tgt Ion:165 Resp: 7457
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion:188 Resp: 130481
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 4.4 6.8 10.2#

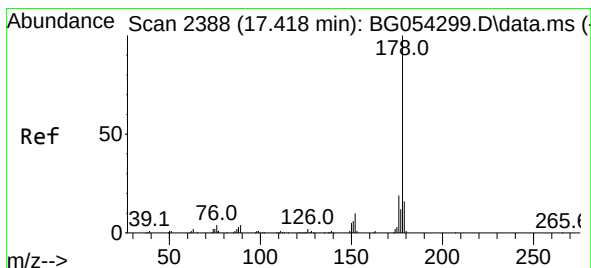
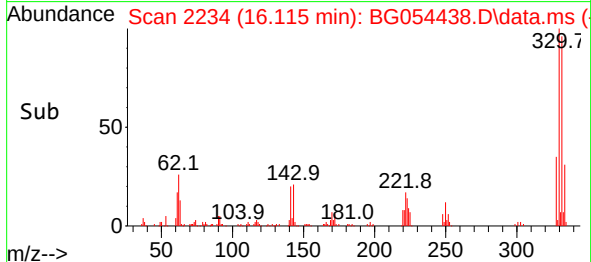
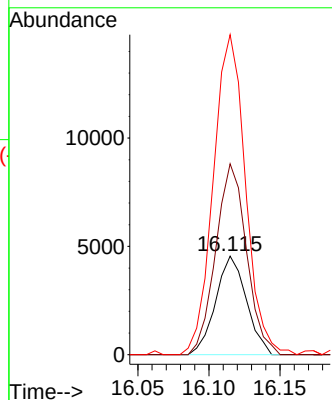
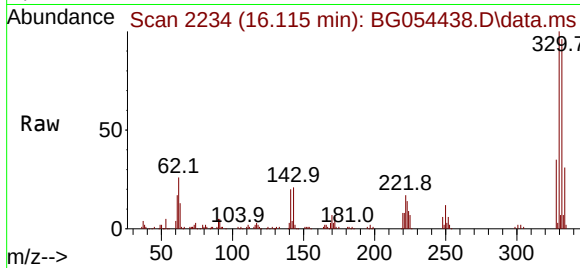




#67
4-Bromophenyl-phenylether
Concen: 3.741 ng
RT: 16.115 min Scan# 21
Delta R.T. -0.440 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

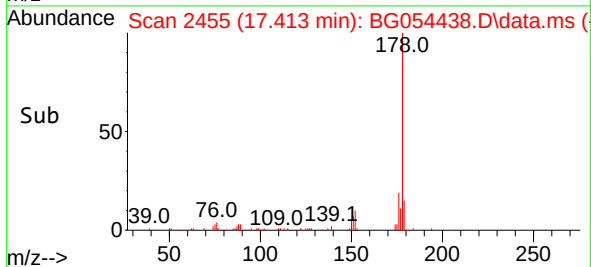
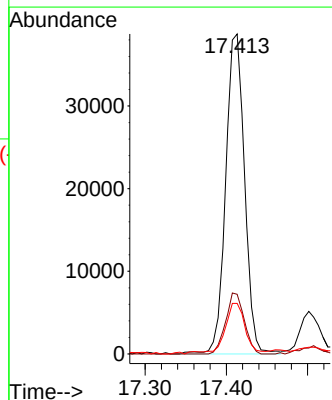
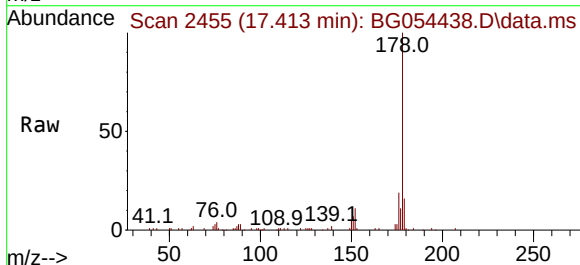
Instrument :
BNA_G
ClientSampleId :
RVE-10

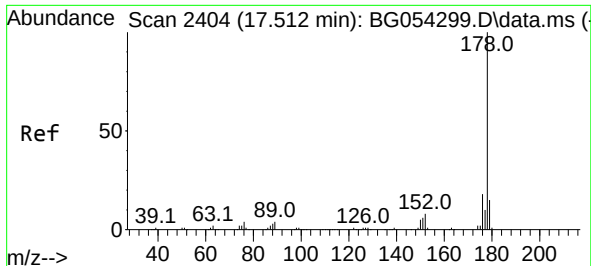
Tgt Ion:248 Resp: 6855
Ion Ratio Lower Upper
248 100
250 247.0 75.2 112.8#
141 324.4 50.0 75.0#



#71
Phenanthrene
Concen: 9.655 ng
RT: 17.413 min Scan# 2455
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion:178 Resp: 62736
Ion Ratio Lower Upper
178 100
176 18.7 14.1 21.1
179 15.8 12.1 18.1

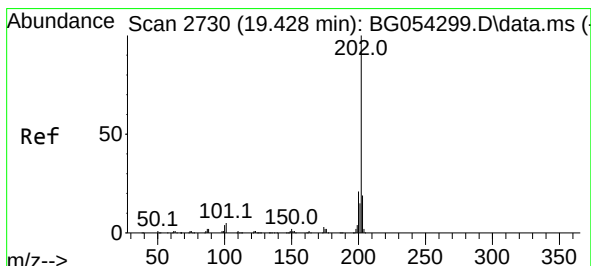
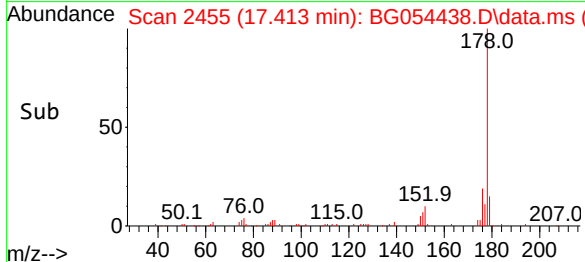
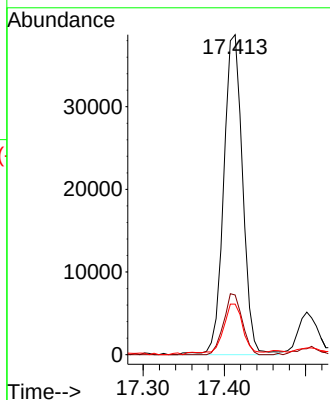
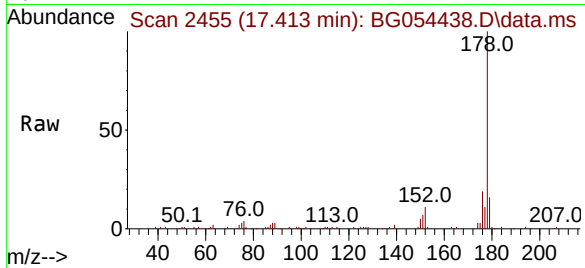




#72
 Anthracene
 Concen: 9.839 ng
 RT: 17.413 min Scan# 2404
 Delta R.T. -0.087 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

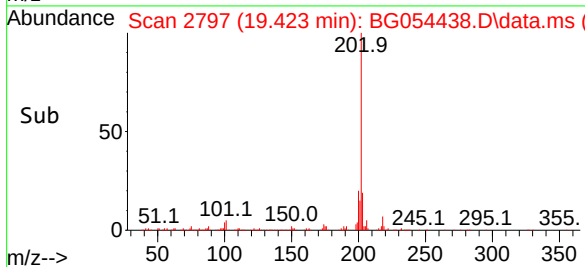
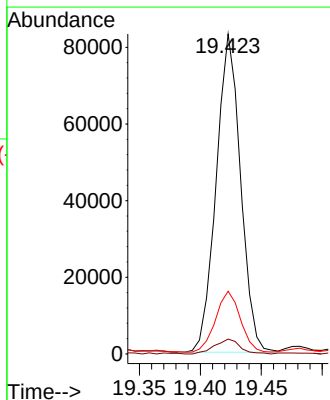
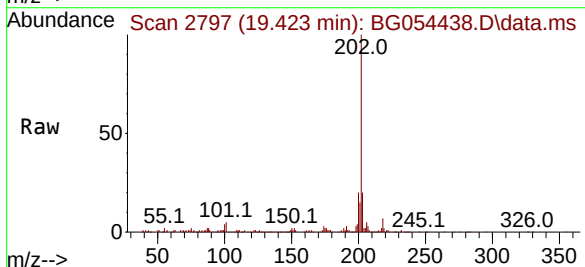
Instrument :
 BNA_G
 ClientSampleId :
 RVE-10

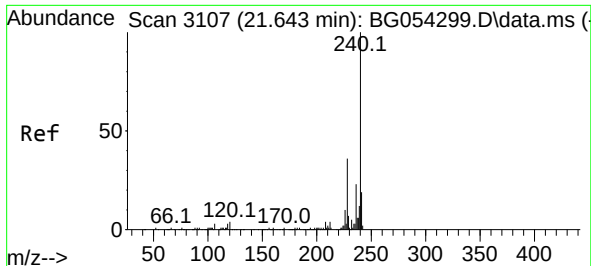
Tgt Ion:178 Resp: 62736
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.2 22.8
 179 15.8 13.0 19.4



#75
 Fluoranthene
 Concen: 13.033 ng
 RT: 19.423 min Scan# 2797
 Delta R.T. 0.001 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

Tgt Ion:202 Resp: 115445
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 26.9
 203 19.6 0.0 37.2

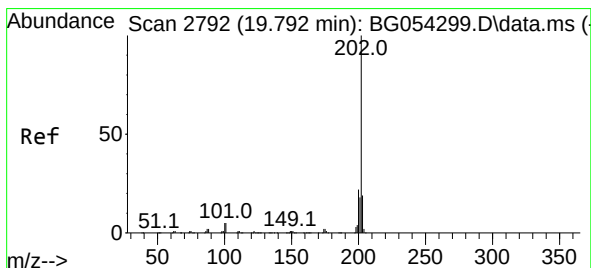
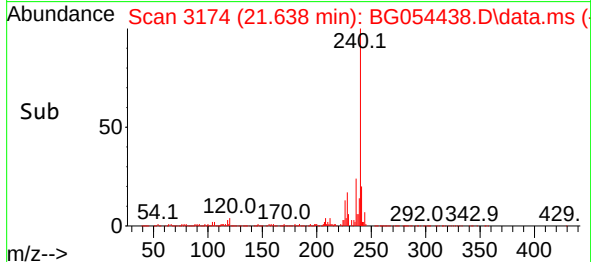
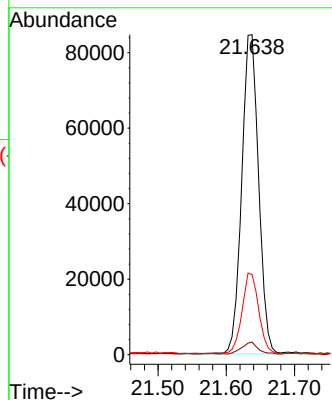
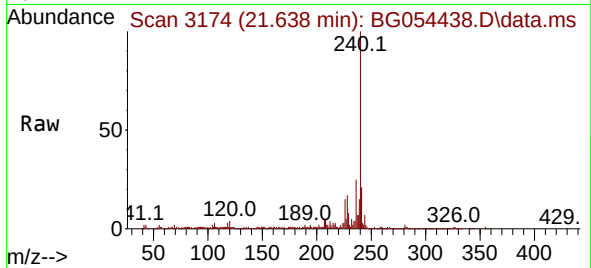




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

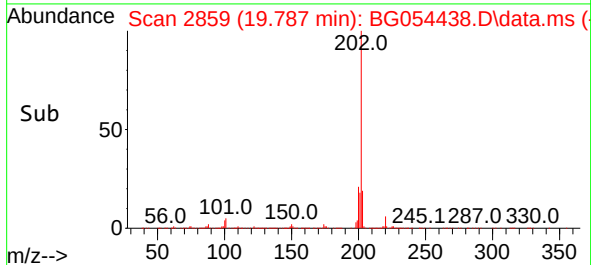
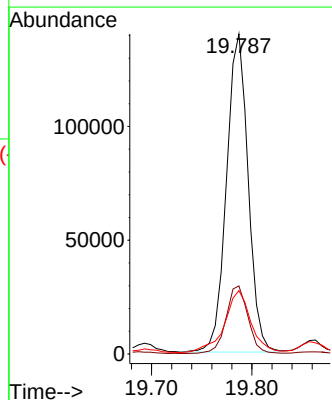
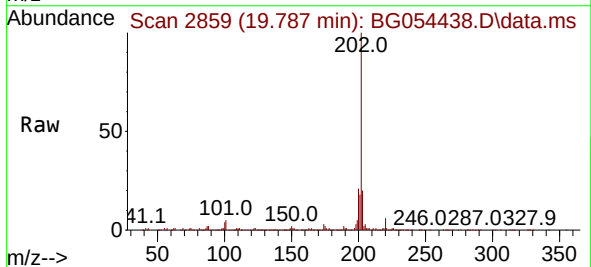
Instrument :
BNA_G
ClientSampleId :
RVE-10

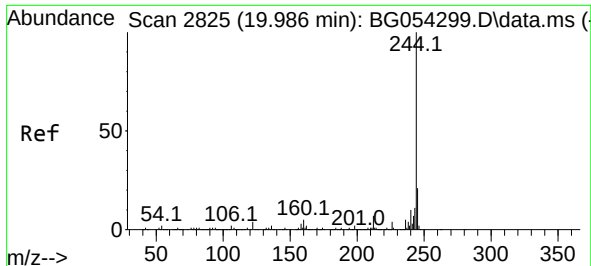
Tgt Ion:240 Resp: 145354
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 25.1 20.2 30.4



#78
Pyrene
Concen: 25.089 ng
RT: 19.787 min Scan# 2859
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion:202 Resp: 209253
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 19.8 14.6 21.8

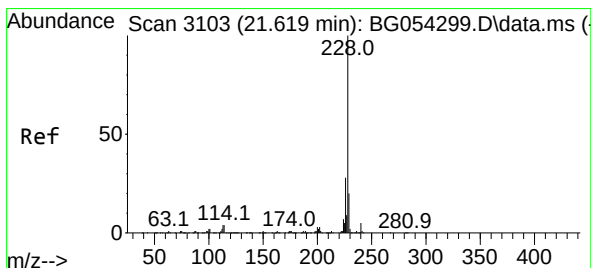
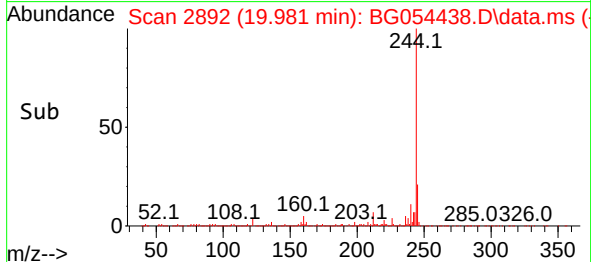
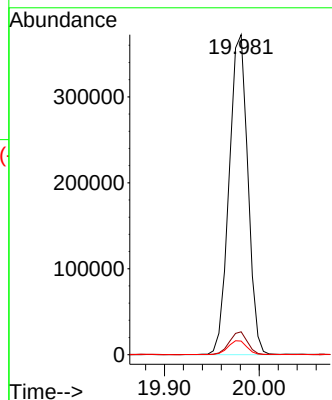
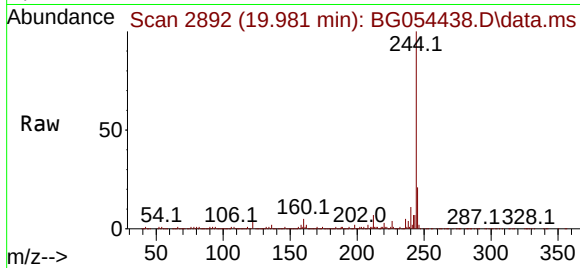




#79
 Terphenyl-d14
 Concen: 69.805 ng
 RT: 19.981 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

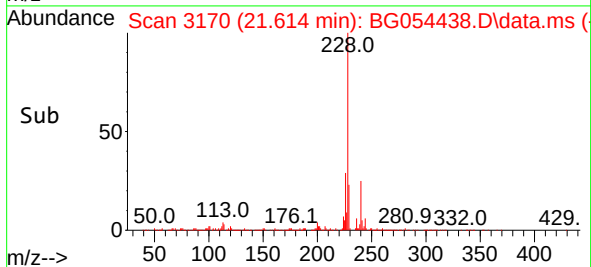
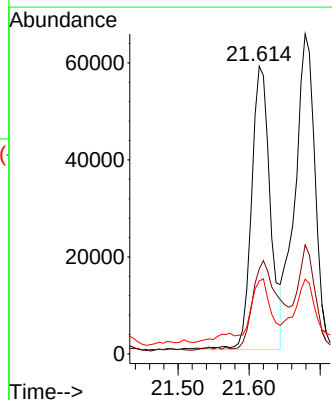
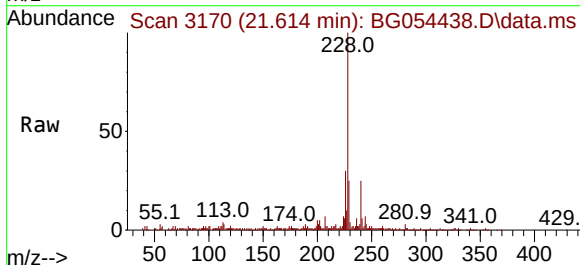
Instrument :
 BNA_G
 ClientSampleId :
 RVE-10

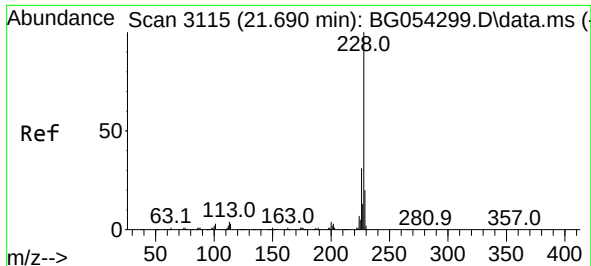
Tgt Ion:244 Resp: 511465
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 11.684 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. 0.001 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

Tgt Ion:228 Resp: 107807
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.6 32.4
 229 25.4 16.2 24.2#

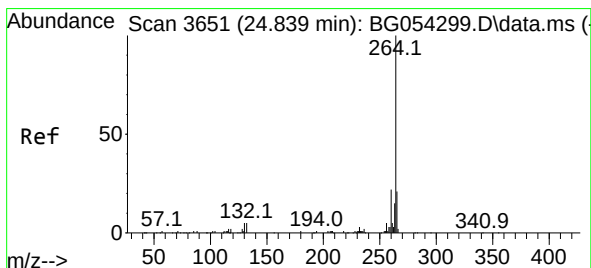
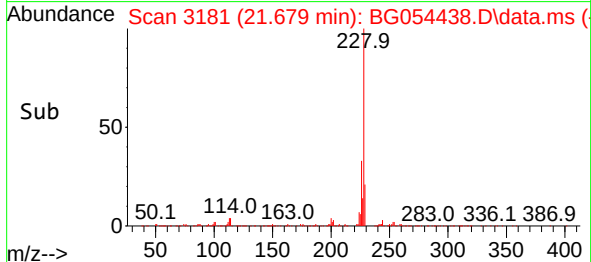
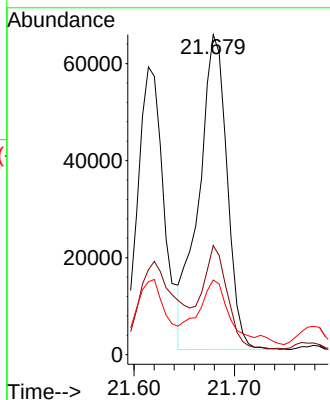
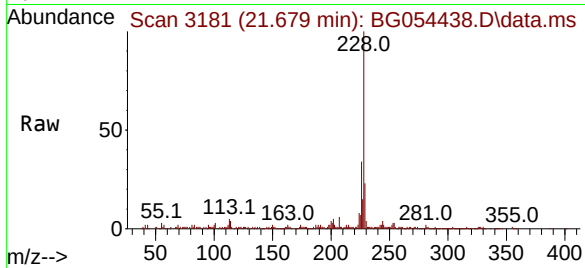




#83
Chrysene
Concen: 14.569 ng
RT: 21.679 min Scan# 3115
Delta R.T. -0.005 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

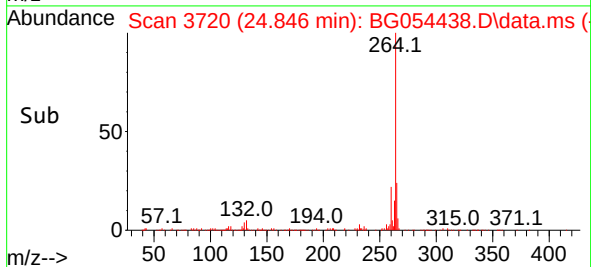
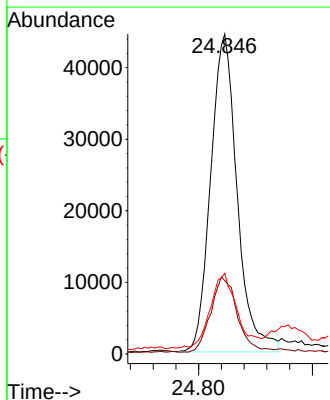
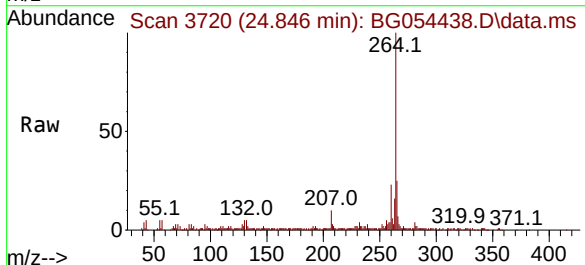
Instrument :
BNA_G
ClientSampleId :
RVE-10

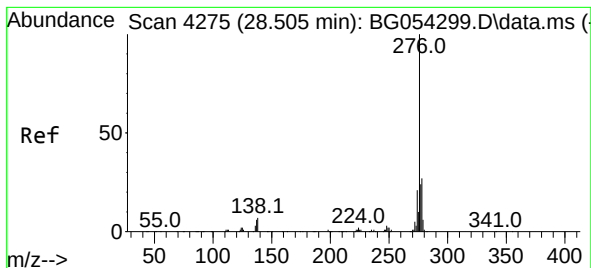
Tgt Ion:228 Resp: 127000
Ion Ratio Lower Upper
228 100
226 34.1 23.4 35.2
229 23.4 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.846 min Scan# 3720
Delta R.T. 0.012 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Tgt Ion:264 Resp: 143553
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 25.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.059 ng

RT: 28.506 min Scan# 41

Delta R.T. -0.011 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

Instrument :

BNA_G

ClientSampleId :

RVE-10

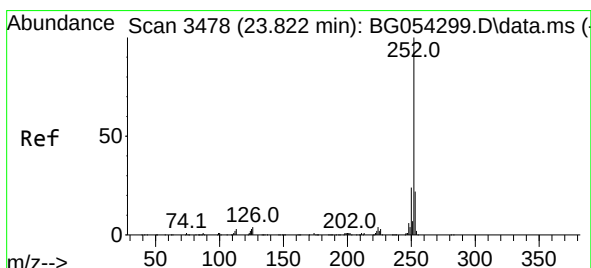
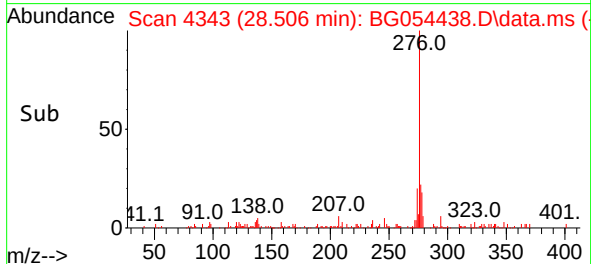
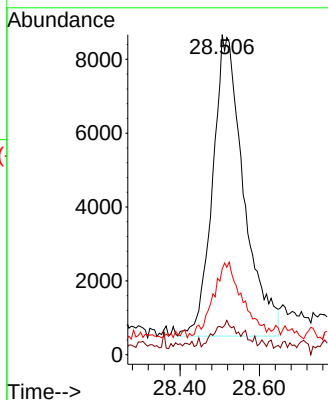
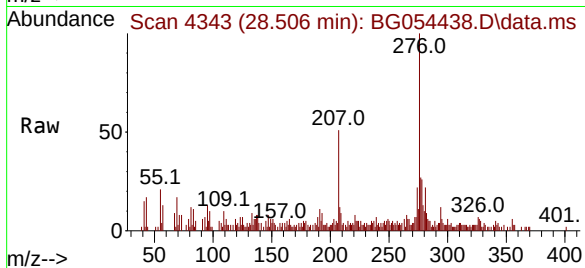
Tgt Ion:276 Resp: 44331

Ion Ratio Lower Upper

276 100

138 4.8 5.0 7.4#

277 23.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 16.685 ng

RT: 23.829 min Scan# 3547

Delta R.T. 0.007 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

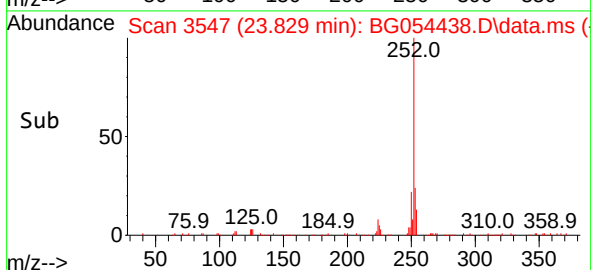
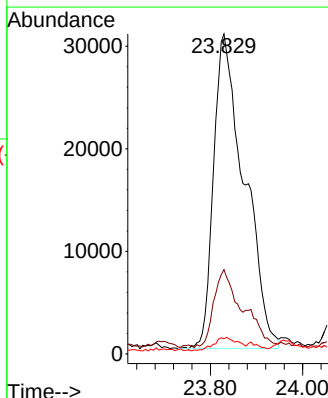
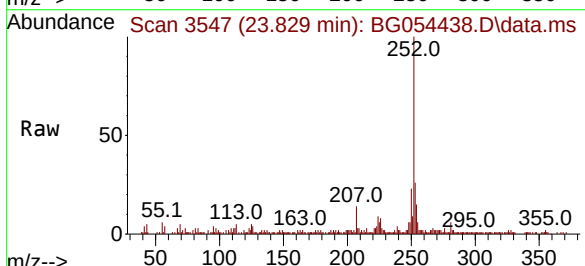
Tgt Ion:252 Resp: 141650

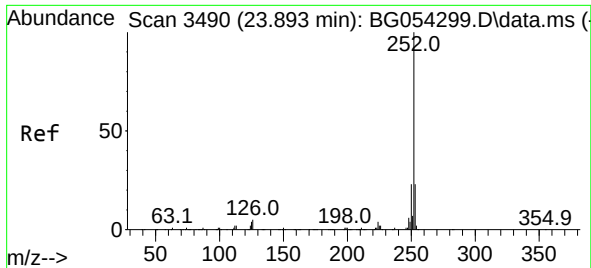
Ion Ratio Lower Upper

252 100

253 26.4 18.0 27.0

125 4.8 4.6 6.8

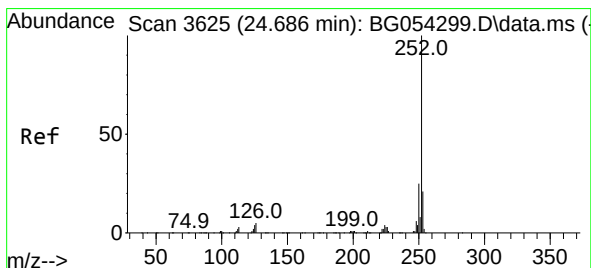
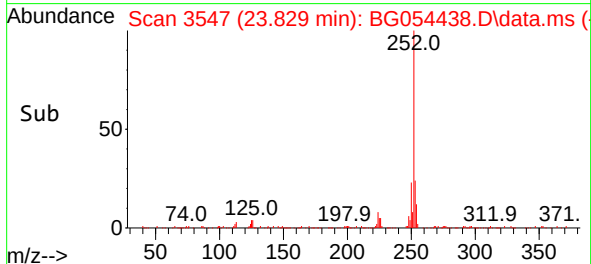
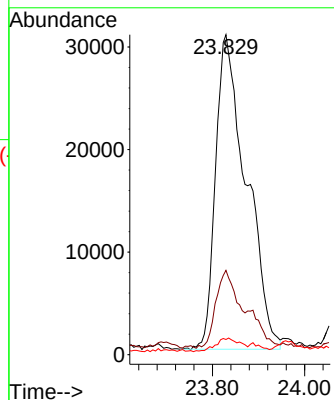
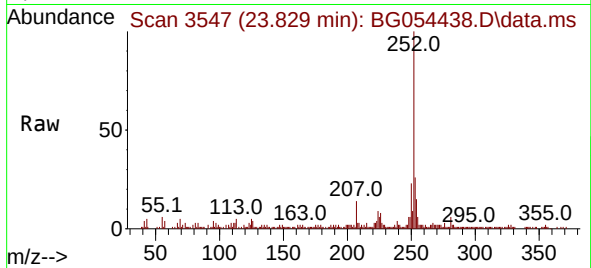




#89
Benzo(k)fluoranthene
Concen: 16.765 ng
RT: 23.829 min Scan# 311
Delta R.T. -0.058 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

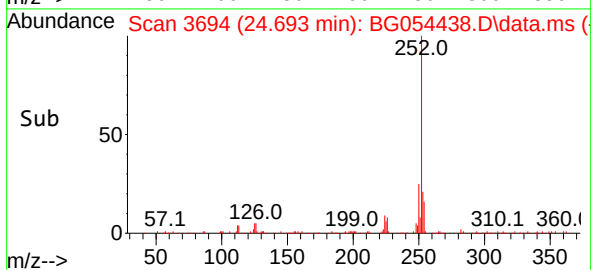
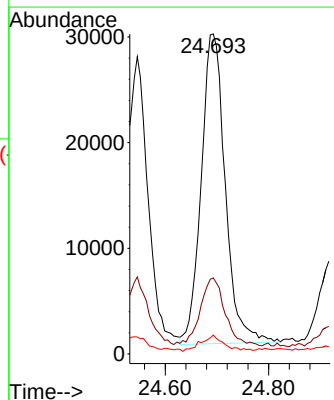
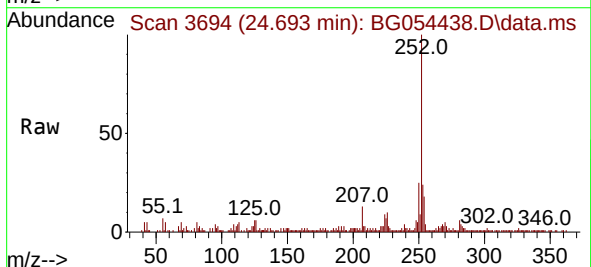
Instrument :
BNA_G
ClientSampleId :
RVE-10

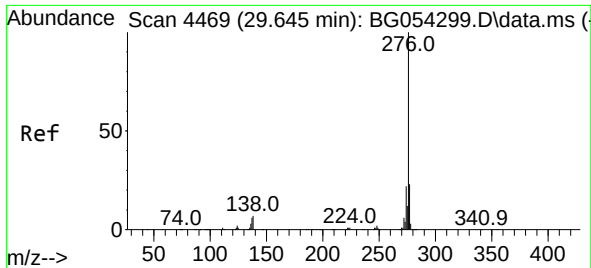
Tgt Ion:252 Resp: 141650
Ion Ratio Lower Upper
252 100
253 26.4 18.4 27.6
125 4.8 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 13.052 ng
RT: 24.693 min Scan# 3694
Delta R.T. 0.007 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

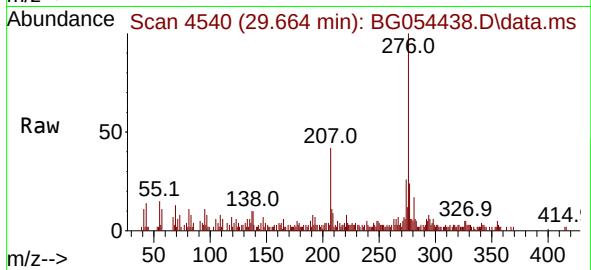
Tgt Ion:252 Resp: 94631
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 5.9 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 6.508 ng
 RT: 29.664 min Scan# 4
 Delta R.T. 0.001 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

Instrument :
 BNA_G
 ClientSampleId :
 RVE-10



Tgt Ion:	276	Resp:	57684
Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.3	25.9
138	13.1	9.6	14.4

