

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054468.D
 Acq On : 1 Aug 2022 17:21
 Operator : CG/JU
 Sample : N3894-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-38

Quant Time: Aug 02 05:46:12 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)

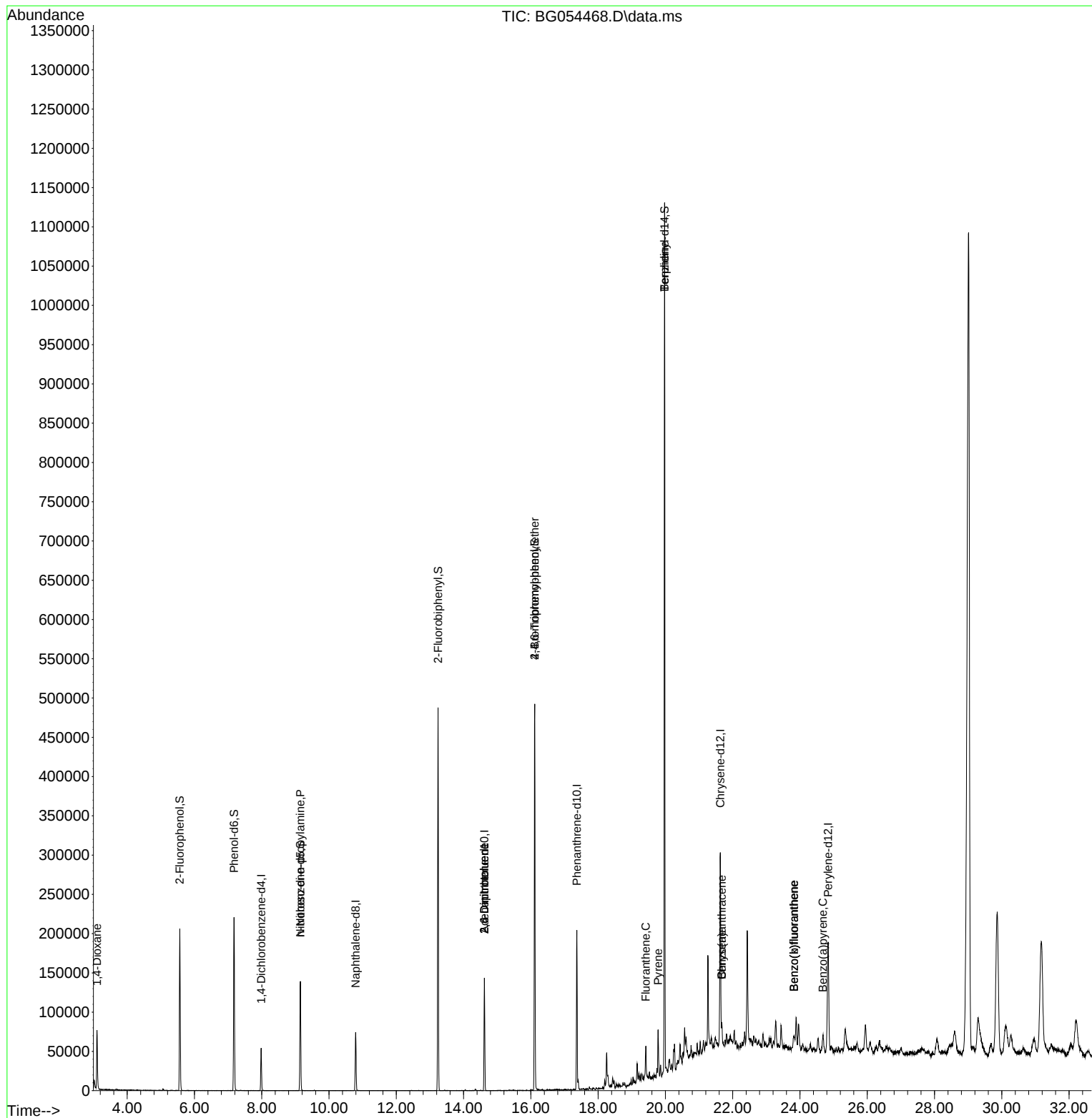
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	17323	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	67694	20.000	ng	# 0.00
39) Acenaphthene-d10	14.617	164	56096	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	142050	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	157580	20.000	ng	# 0.00
86) Perylene-d12	24.835	264	167867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	93258	112.401	ng	0.00
7) Phenol-d6	7.173	99	129601	113.997	ng	0.00
23) Nitrobenzene-d5	9.147	82	86263	69.395	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	134284	114.012	ng	0.00
45) 2-Fluorobiphenyl	13.242	172	282124	70.948	ng	0.00
79) Terphenyl-d14	19.976	244	600806	75.637	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.101	88	768	2.327	ng	# 1
9) Benzaldehyde	7.179	77	173	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.147	70	12144	15.996	ng	# 81
51) 2,6-Dinitrotoluene	14.617	165	8118	8.447	ng	# 16
57) 2,4-Dinitrotoluene	14.617	165	8118	5.892	ng	# 21
67) 4-Bromophenyl-phenylether	16.115	248	8012	4.016	ng	# 1
75) Fluoranthene	19.417	202	21992	2.281	ng	95
77) Benzidine	19.976	184	8019	2.810	ng	# 91
78) Pyrene	19.782	202	38517	4.260	ng	97
81) Benzo(a)anthracene	21.680	228	24007	2.400	ng	92
83) Chrysene	21.680	228	24007	2.540	ng	94
88) Benzo(b)fluoranthene	23.824	252	24149	2.433	ng	# 97
89) Benzo(k)fluoranthene	23.824	252	24149	2.444	ng	# 96
90) Benzo(a)pyrene	24.682	252	20013	2.361	ng	# 94

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

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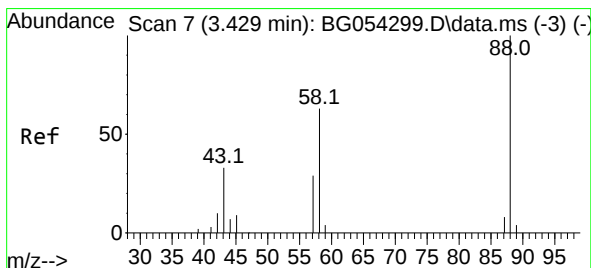
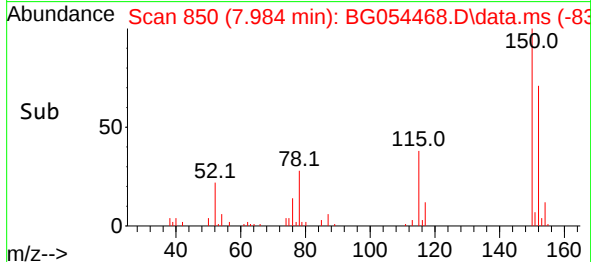
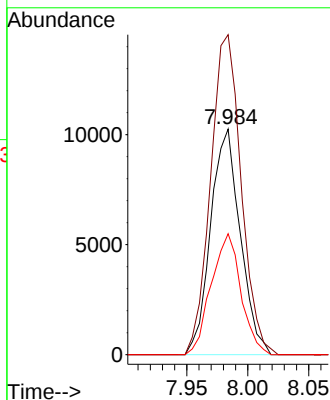
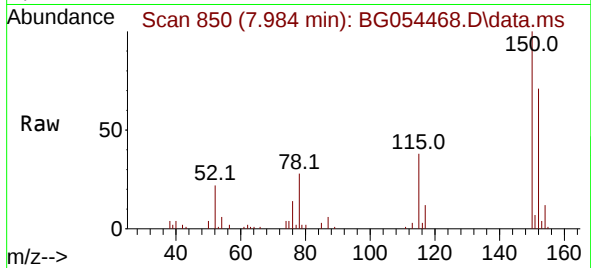




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.984 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG054468.D
 Acq: 1 Aug 2022 17:21

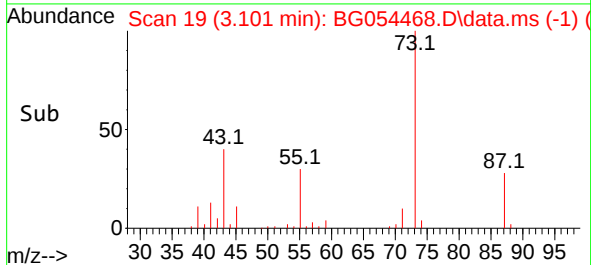
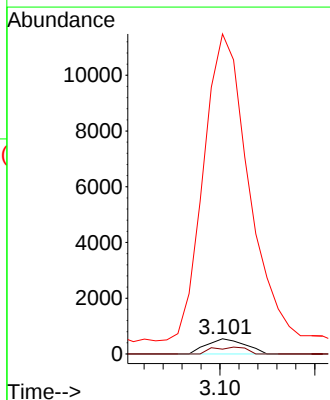
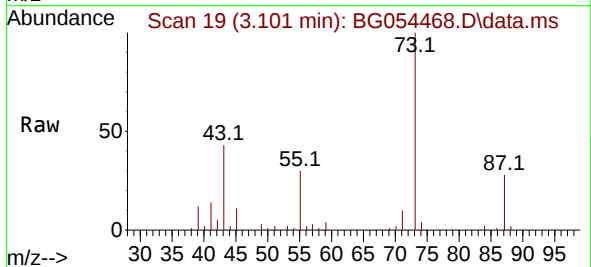
Instrument :
 BNA_G
 ClientSampleId :
 RVE-38

Tgt Ion:152 Resp: 17323
 Ion Ratio Lower Upper
 152 100
 150 141.8 131.6 197.4
 115 53.6 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.327 ng
 RT: 3.101 min Scan# 19
 Delta R.T. -0.316 min
 Lab File: BG054468.D
 Acq: 1 Aug 2022 17:21

Tgt Ion: 88 Resp: 768
 Ion Ratio Lower Upper
 88 100
 58 39.5 59.2 88.8#
 43 2523.8 24.3 36.5#

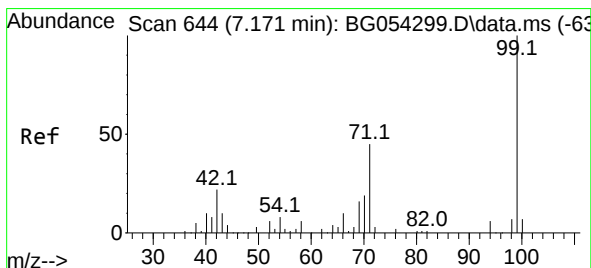
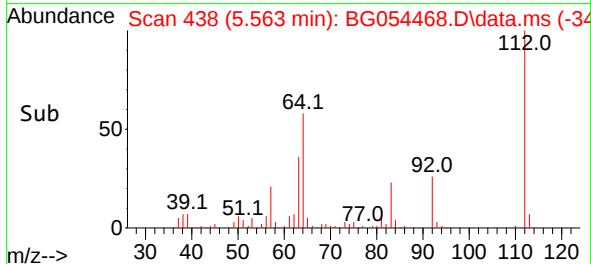
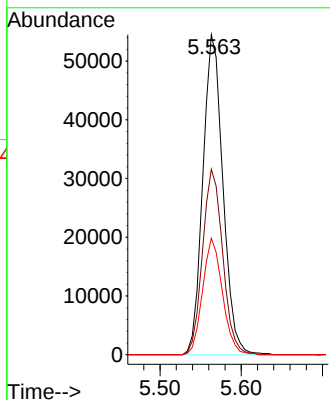
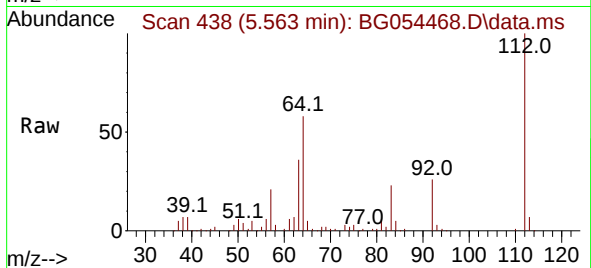




#5
2-Fluorophenol
Concen: 112.401 ng
RT: 5.563 min Scan# 41
Delta R.T. 0.001 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

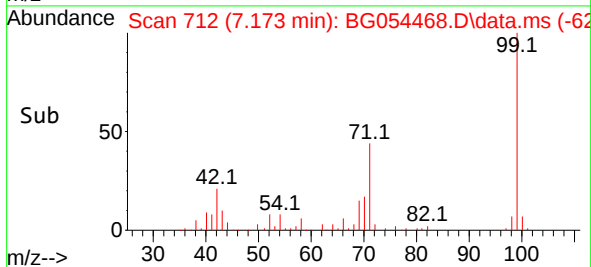
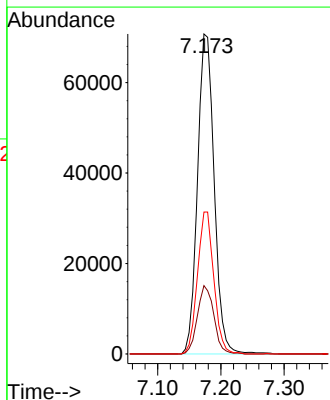
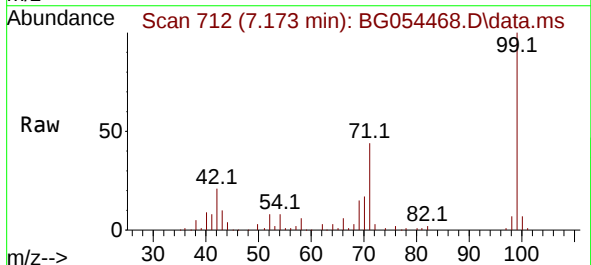
Instrument :
BNA_G
ClientSampleId :
RVE-38

Tgt Ion:112 Resp: 93258
Ion Ratio Lower Upper
112 100
64 58.0 55.1 82.7
63 36.4 30.4 45.6



#7
Phenol-d6
Concen: 113.997 ng
RT: 7.173 min Scan# 712
Delta R.T. 0.001 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

Tgt Ion: 99 Resp: 129601
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.3 33.8 50.8





#19

n-Nitroso-di-n-propylamine

Concen: 15.996 ng

RT: 9.147 min Scan# 1

Delta R.T. 0.354 min

Lab File: BG054468.D

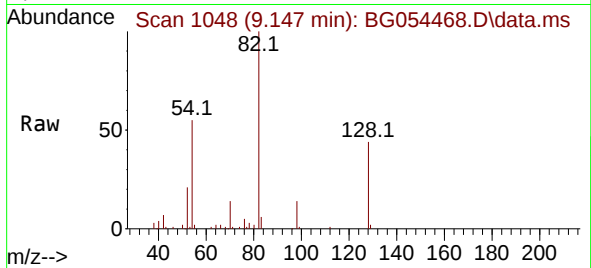
Acq: 1 Aug 2022 17:21

Instrument :

BNA_G

ClientSampleId :

RVE-38



Tgt Ion: 70 Resp: 12144

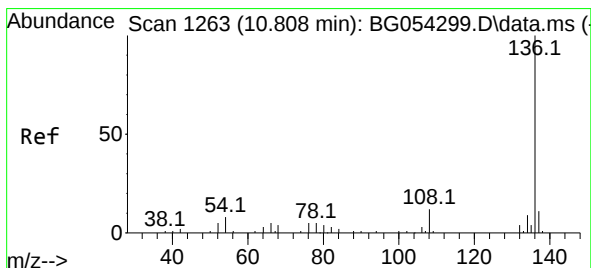
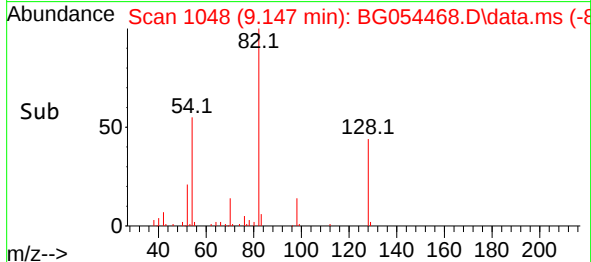
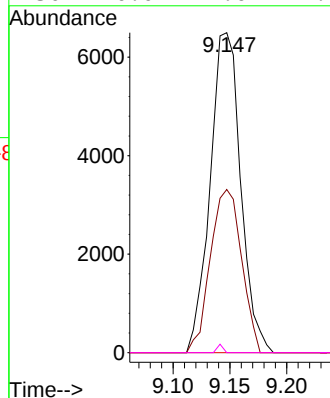
Ion Ratio Lower Upper

70 100

42 51.0 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: BG054468.D

Acq: 1 Aug 2022 17:21

Tgt Ion: 136 Resp: 67694

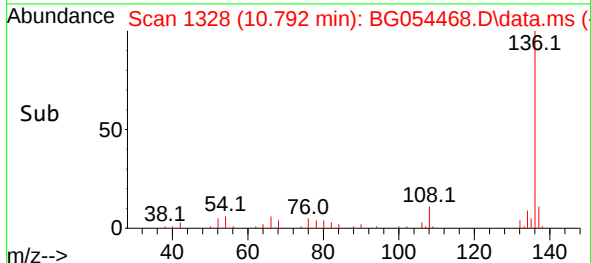
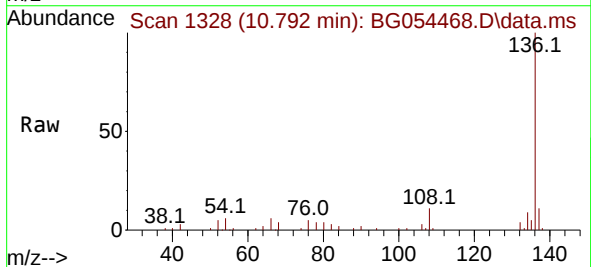
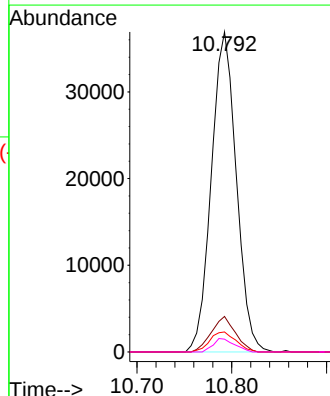
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.3 7.4 11.2#

68 4.0 4.9 7.3#

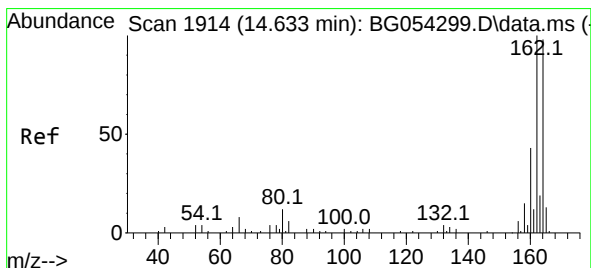
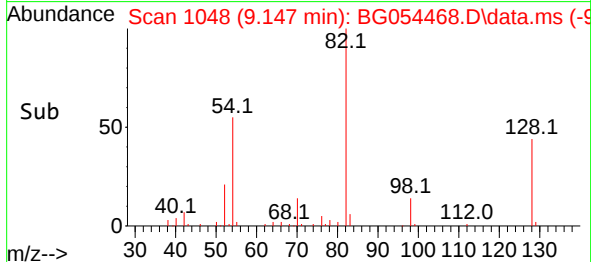
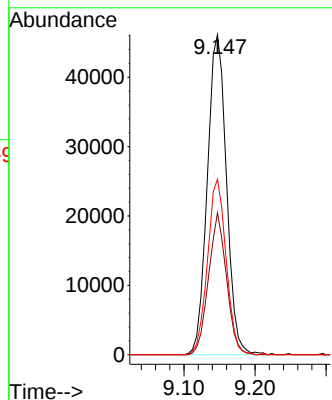
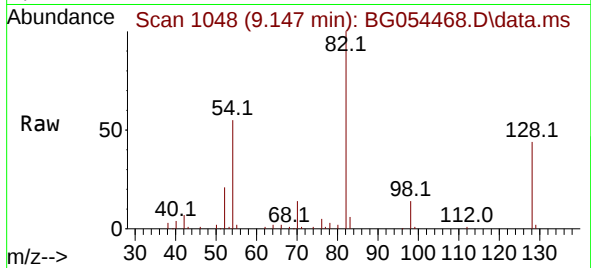




#23
Nitrobenzene-d5
Concen: 69.395 ng
RT: 9.147 min Scan# 1048
Delta R.T. -0.005 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

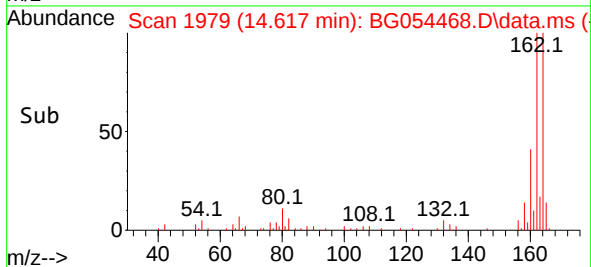
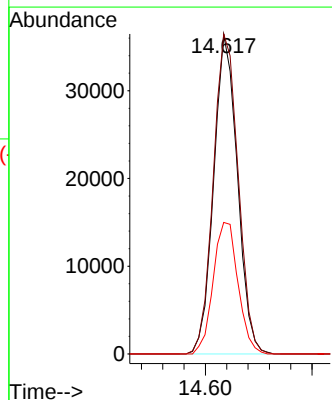
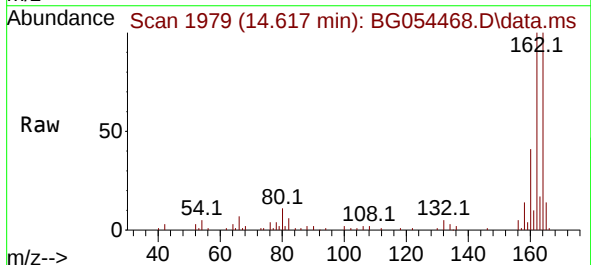
Instrument :
BNA_G
ClientSampleId :
RVE-38

Tgt Ion: 82 Resp: 86263
Ion Ratio Lower Upper
82 100
128 44.3 27.9 41.9#
54 54.9 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.617 min Scan# 1979
Delta R.T. -0.005 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

Tgt Ion:164 Resp: 56096
Ion Ratio Lower Upper
164 100
162 100.1 82.3 123.5
160 41.1 34.2 51.2

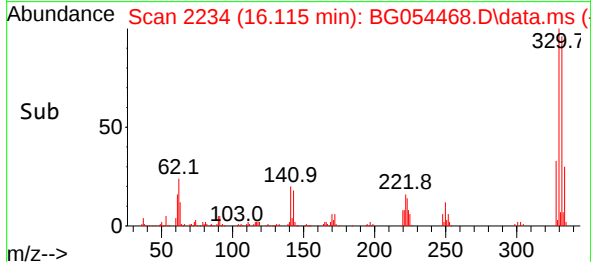
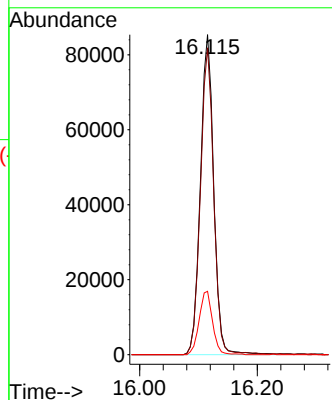
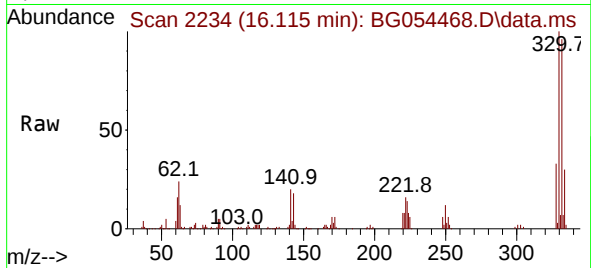




#42
2,4,6-Tribromophenol
Concen: 114.012 ng
RT: 16.115 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

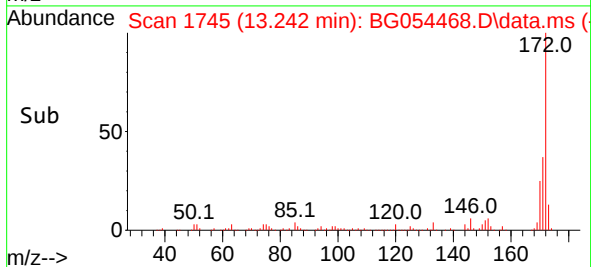
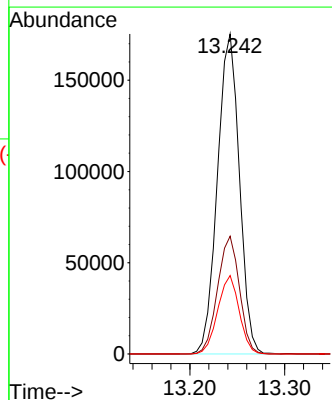
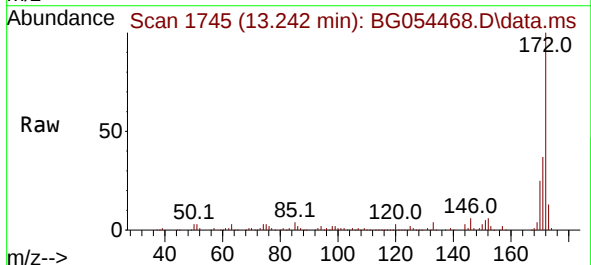
Instrument :
BNA_G
ClientSampleId :
RVE-38

Tgt Ion:330 Resp: 134284
Ion Ratio Lower Upper
330 100
332 95.7 76.0 114.0
141 19.9 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 70.948 ng
RT: 13.242 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

Tgt Ion:172 Resp: 282124
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 24.5 18.9 28.3

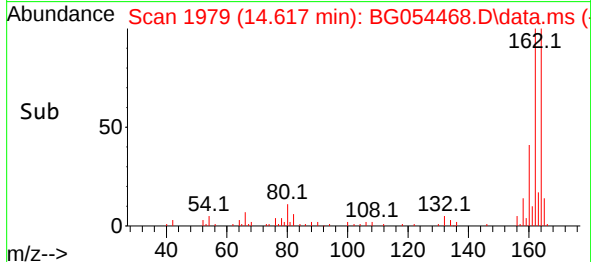
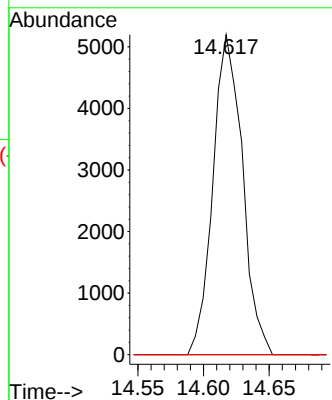
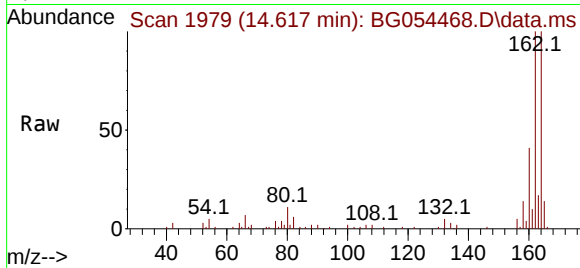




#51
2,6-Dinitrotoluene
Concen: 8.447 ng
RT: 14.617 min Scan# 1979
Delta R.T. 0.418 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

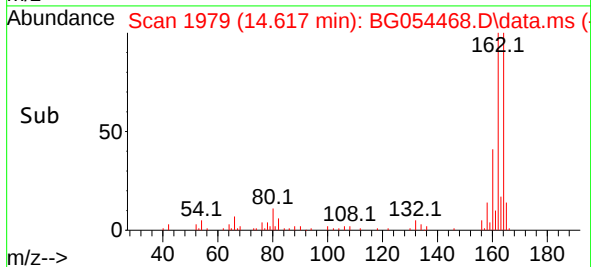
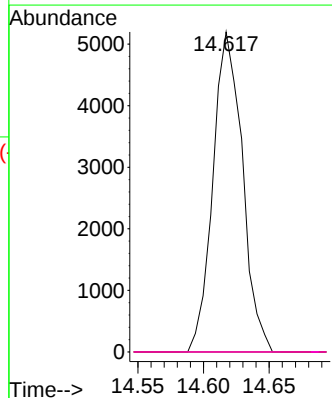
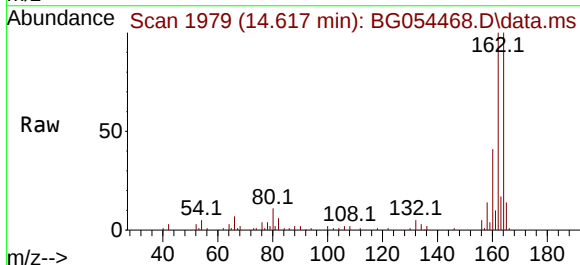
Instrument :
BNA_G
ClientSampleId :
RVE-38

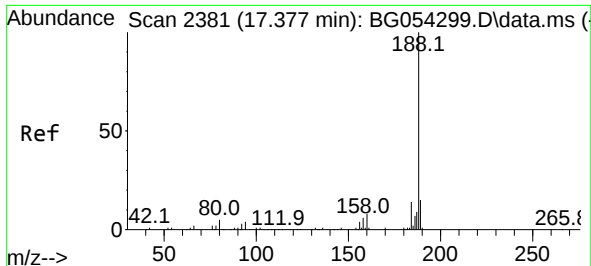
Tgt Ion:165 Resp: 8118
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.892 ng
RT: 14.617 min Scan# 1979
Delta R.T. -0.375 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

Tgt Ion:165 Resp: 8118
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#

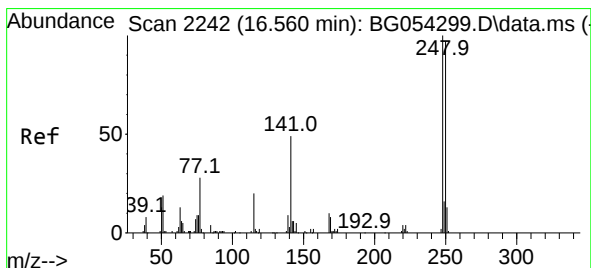
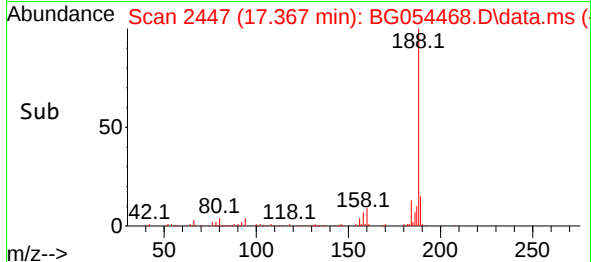
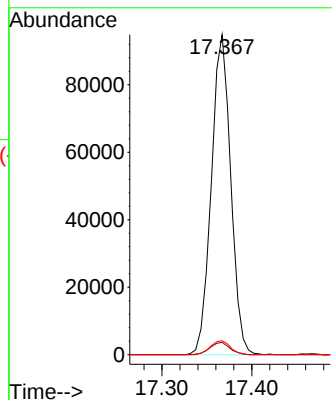
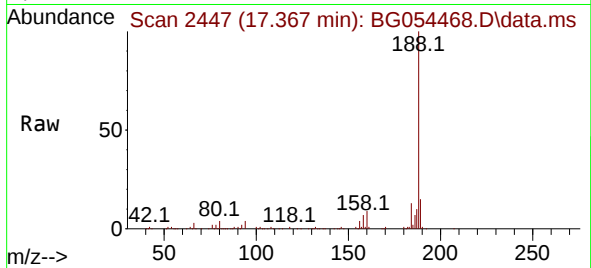




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

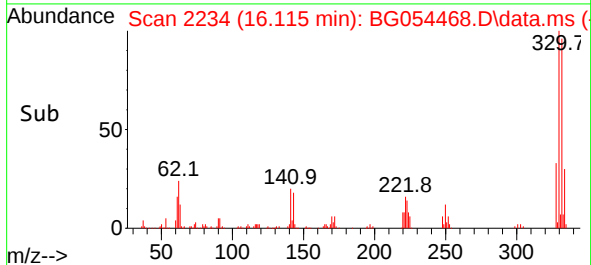
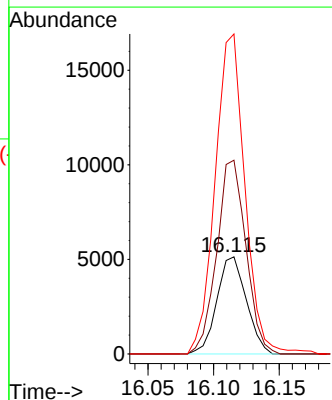
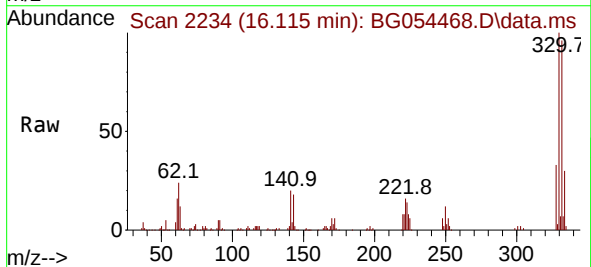
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BNA_G
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RVE-38

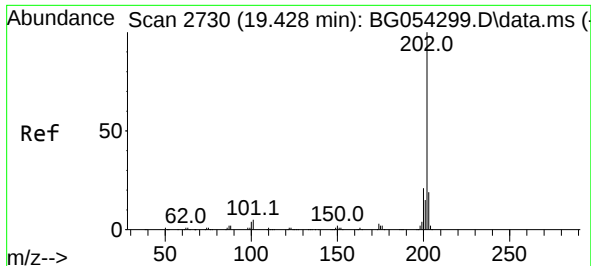
Tgt Ion:188 Resp: 142050
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0#
80 4.4 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 4.016 ng
RT: 16.115 min Scan# 2234
Delta R.T. -0.439 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

Tgt Ion:248 Resp: 8012
Ion Ratio Lower Upper
248 100
250 191.8 75.2 112.8#
141 252.7 50.0 75.0#

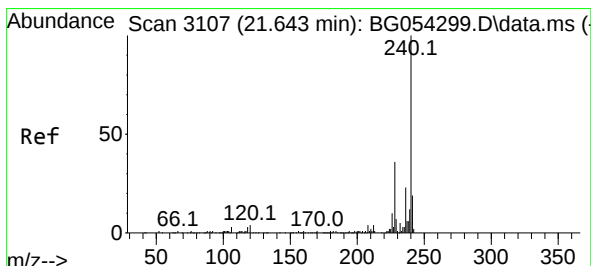
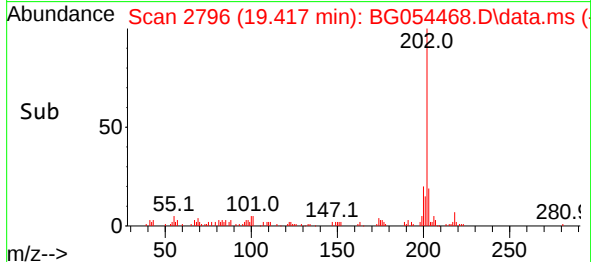
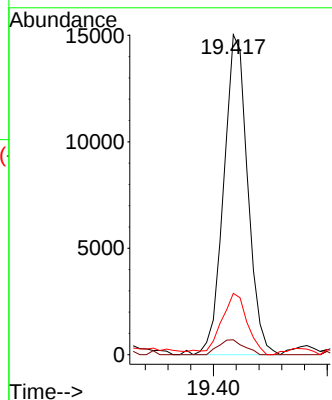
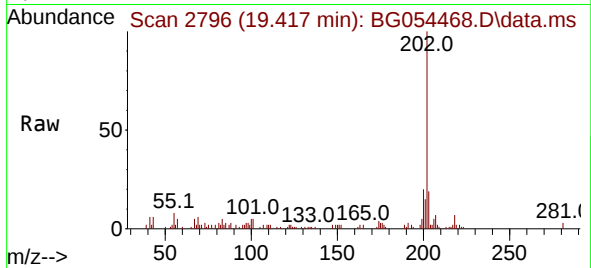




#75
Fluoranthene
Concen: 2.281 ng
RT: 19.417 min Scan# 21992
Delta R.T. -0.005 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

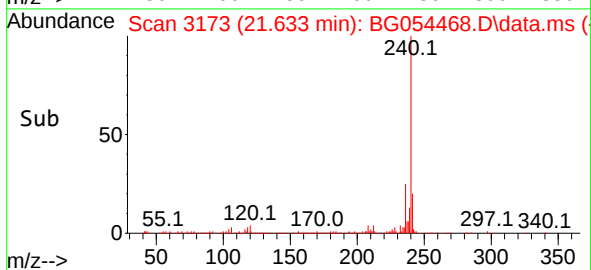
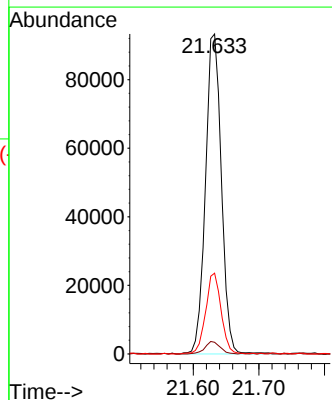
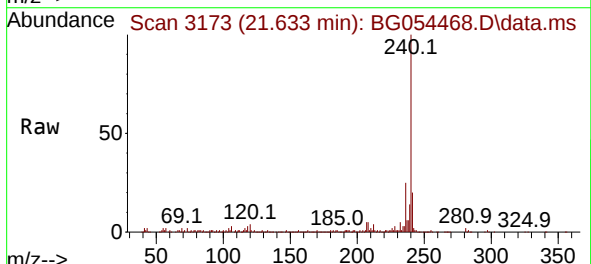
Instrument :
BNA_G
ClientSampleId :
RVE-38

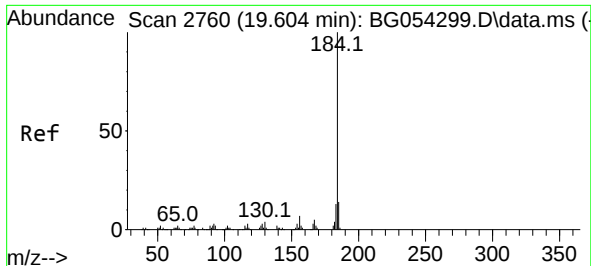
Tgt Ion:202 Resp: 21992
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 19.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3173
Delta R.T. -0.005 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

Tgt Ion:240 Resp: 157580
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 25.2 20.2 30.4

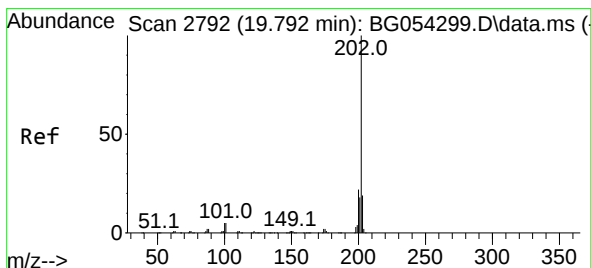
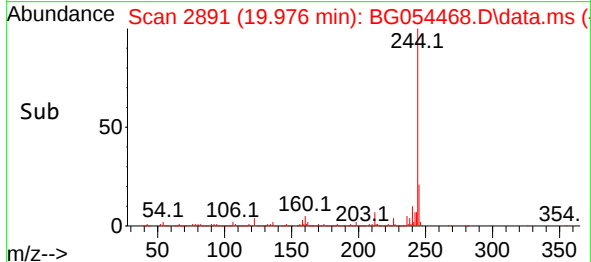
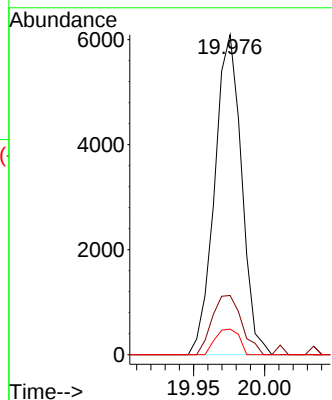
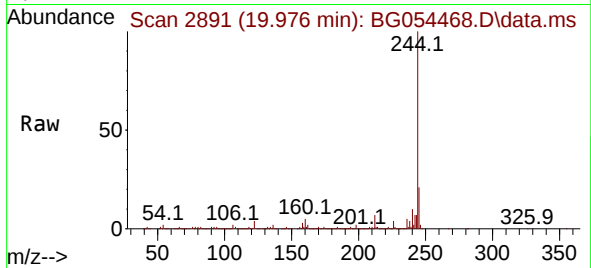




#77
Benzidine
Concen: 2.810 ng
RT: 19.976 min Scan# 2891
Delta R.T. 0.377 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

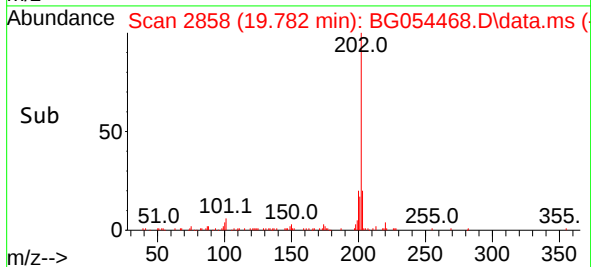
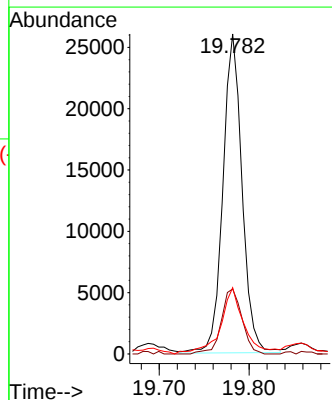
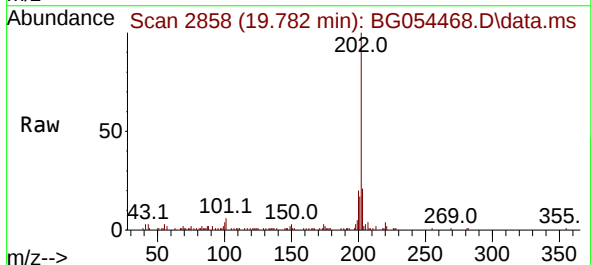
Instrument :
BNA_G
ClientSampleId :
RVE-38

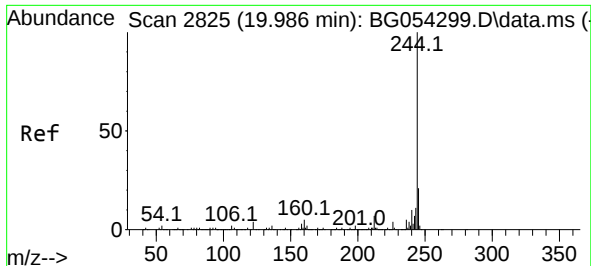
Tgt Ion:184 Resp: 8019
Ion Ratio Lower Upper
184 100
185 18.5 11.8 17.6#
183 8.0 8.9 13.3#



#78
Pyrene
Concen: 4.260 ng
RT: 19.782 min Scan# 2858
Delta R.T. -0.005 min
Lab File: BG054468.D
Acq: 1 Aug 2022 17:21

Tgt Ion:202 Resp: 38517
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 20.7 14.6 21.8

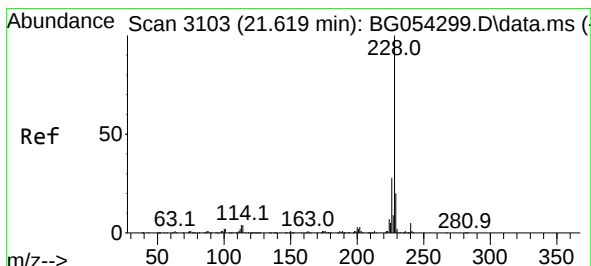
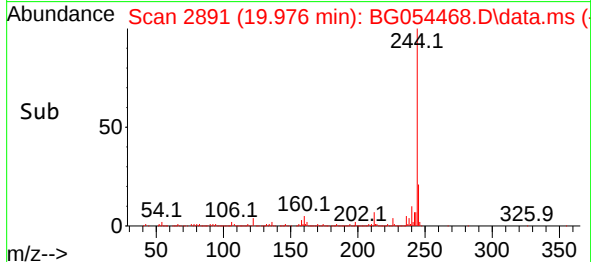
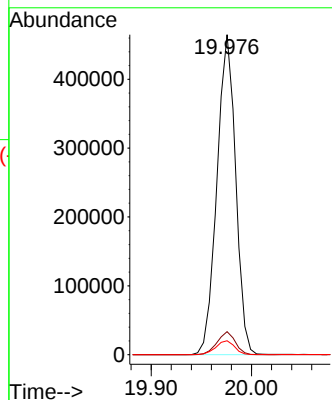
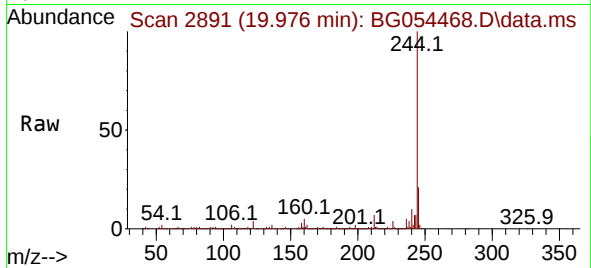




#79
 Terphenyl-d14
 Concen: 75.637 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054468.D
 Acq: 1 Aug 2022 17:21

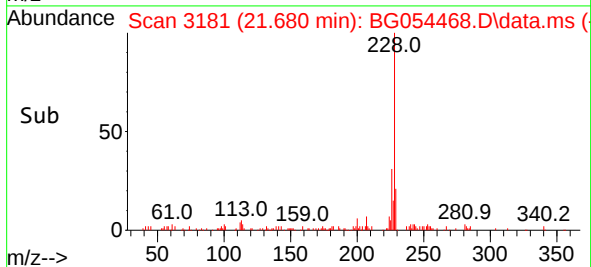
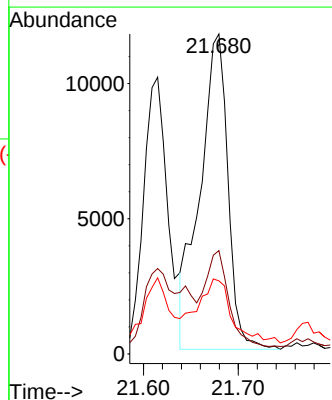
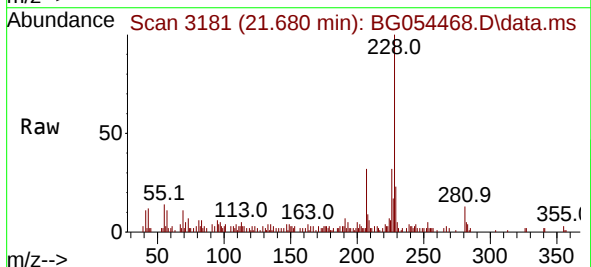
Instrument :
 BNA_G
 ClientSampleId :
 RVE-38

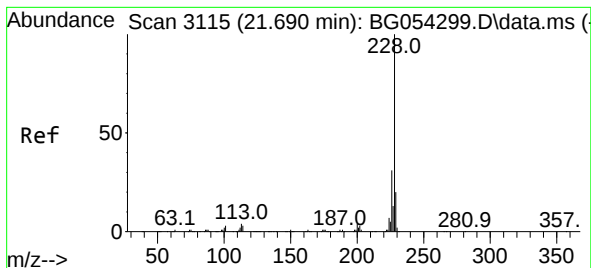
Tgt Ion:244 Resp: 600806
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.3 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.400 ng
 RT: 21.680 min Scan# 3181
 Delta R.T. 0.066 min
 Lab File: BG054468.D
 Acq: 1 Aug 2022 17:21

Tgt Ion:228 Resp: 24007
 Ion Ratio Lower Upper
 228 100
 226 32.3 21.6 32.4
 229 22.8 16.2 24.2





#83

Chrysene

Concen: 2.540 ng

RT: 21.680 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BG054468.D

Acq: 1 Aug 2022 17:21

Instrument :

BNA_G

ClientSampleId :

RVE-38

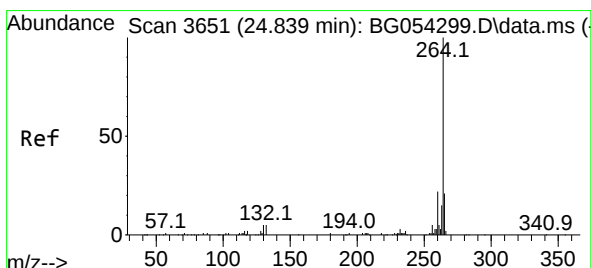
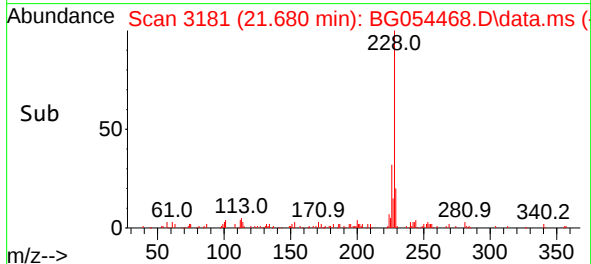
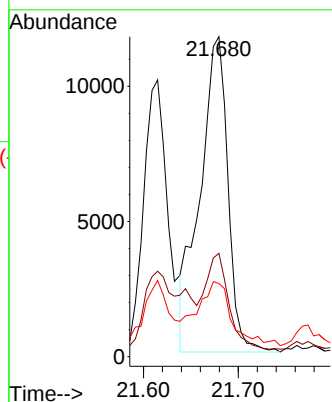
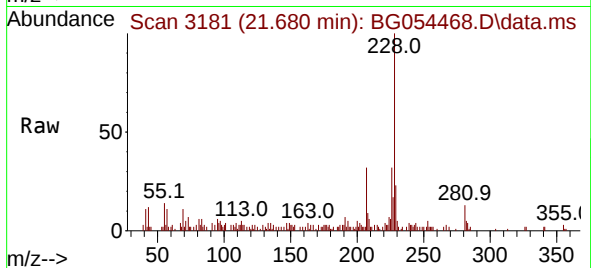
Tgt Ion:228 Resp: 24007

Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.2

229 22.8 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.835 min Scan# 3718

Delta R.T. 0.001 min

Lab File: BG054468.D

Acq: 1 Aug 2022 17:21

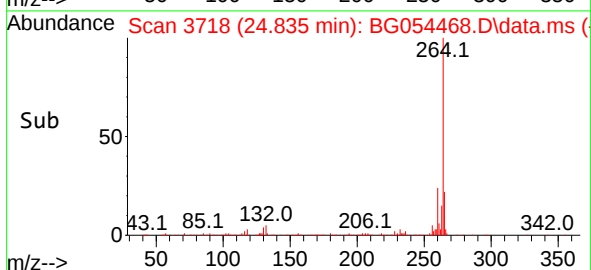
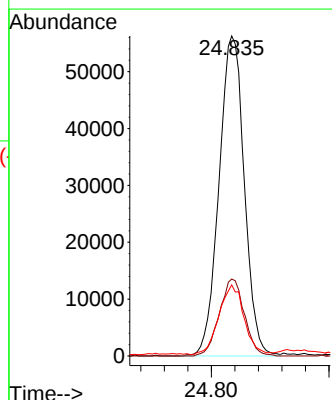
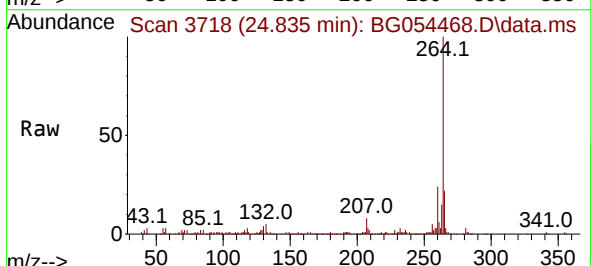
Tgt Ion:264 Resp: 167867

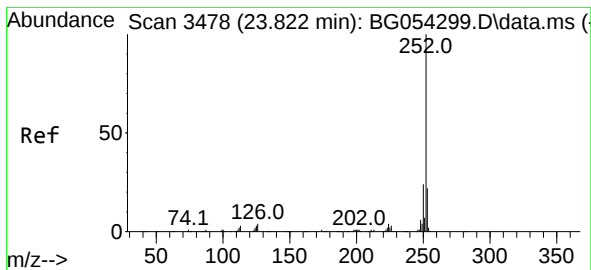
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.2 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.433 ng

RT: 23.824 min Scan# 3

Delta R.T. 0.001 min

Lab File: BG054468.D

Acq: 1 Aug 2022 17:21

Instrument :

BNA_G

ClientSampleId :

RVE-38

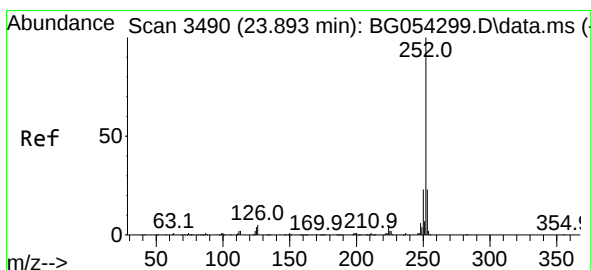
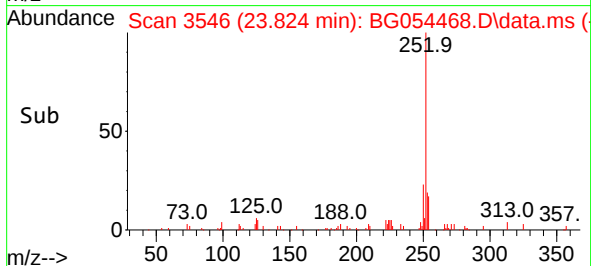
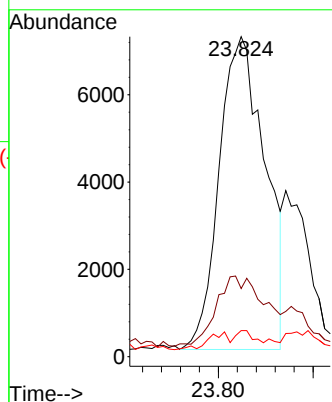
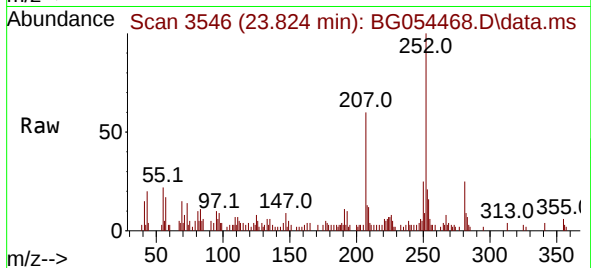
Tgt Ion:252 Resp: 24149

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

125 8.2 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 2.444 ng

RT: 23.824 min Scan# 3546

Delta R.T. -0.063 min

Lab File: BG054468.D

Acq: 1 Aug 2022 17:21

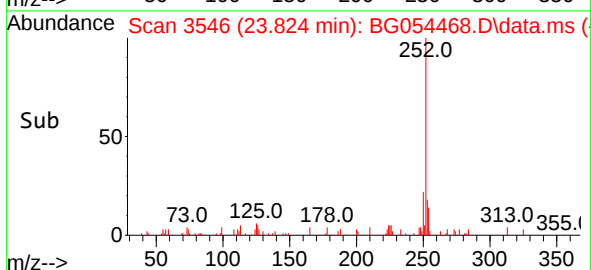
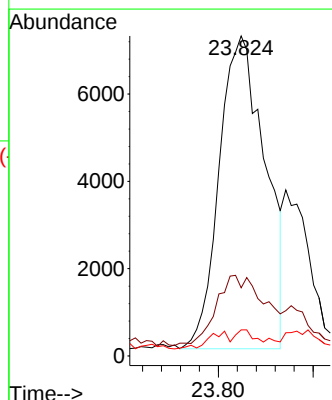
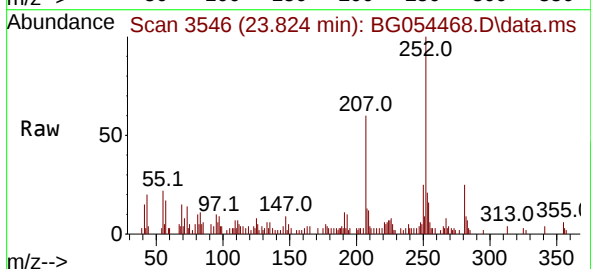
Tgt Ion:252 Resp: 24149

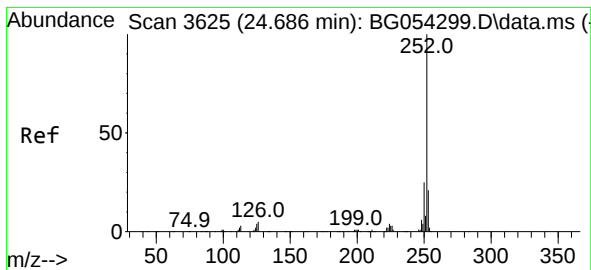
Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

125 8.2 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 2.361 ng

RT: 24.682 min Scan# 3

Delta R.T. -0.005 min

Lab File: BG054468.D

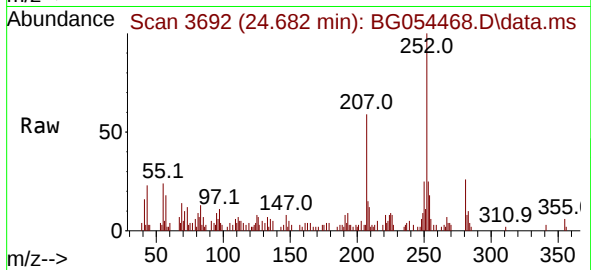
Acq: 1 Aug 2022 17:21

Instrument :

BNA_G

ClientSampleId :

RVE-38



Tgt Ion:252 Resp: 20013

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 8.1 4.3 6.5#

