

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054470.D
 Acq On : 1 Aug 2022 18:44
 Operator : CG/JU
 Sample : N3896-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-59

Quant Time: Aug 02 05:46:27 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)

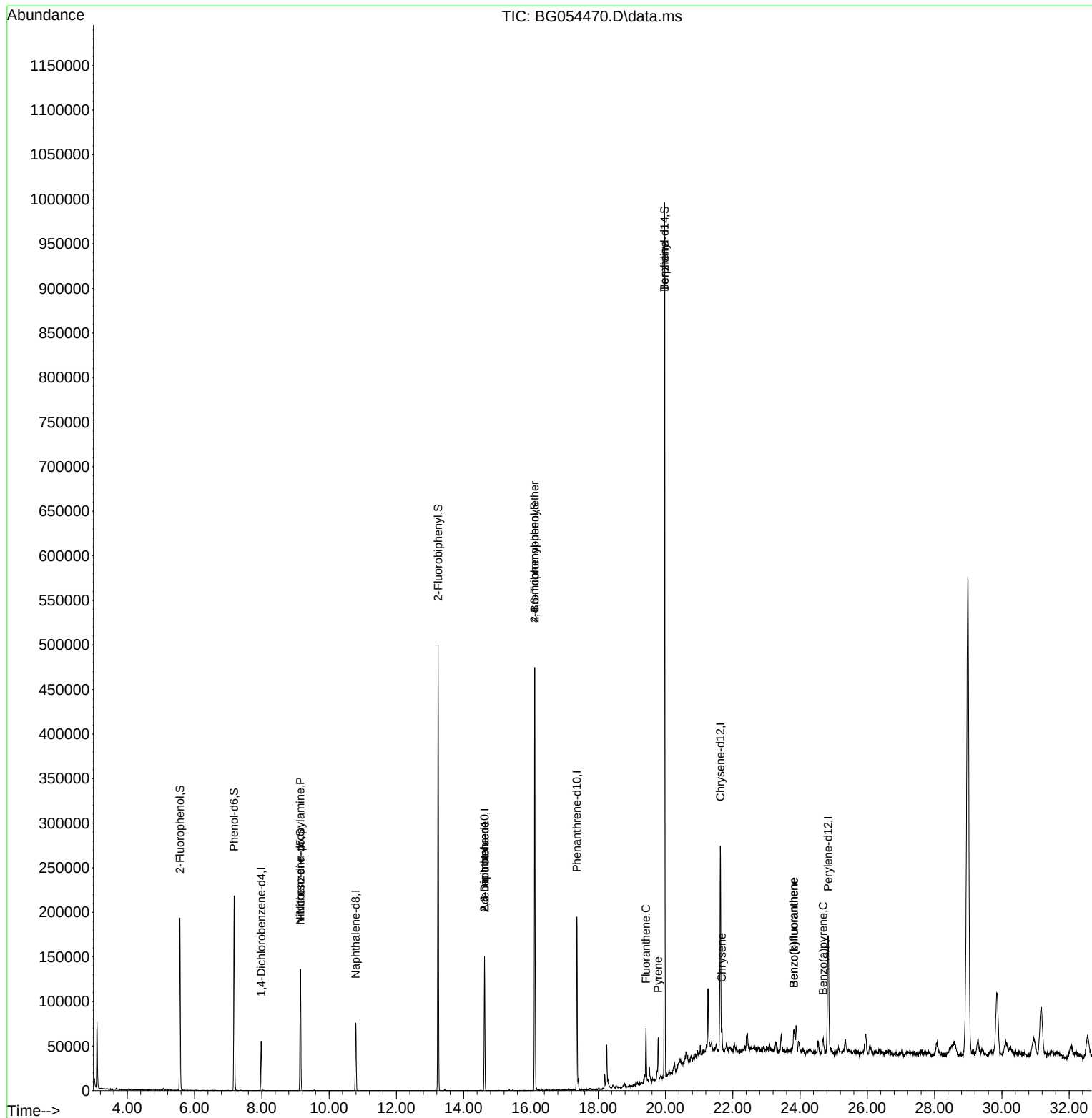
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	17975	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	70879	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	59032	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	139267	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	153454	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	163139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	88955	103.326	ng	0.00
7) Phenol-d6	7.177	99	122890	104.173	ng	0.00
23) Nitrobenzene-d5	9.145	82	84812	65.162	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	123950	100.004	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	279714	66.844	ng	0.00
79) Terphenyl-d14	19.973	244	554918	71.738	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.183	77	80	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.145	70	12123	15.389	ng	# 77
51) 2,6-Dinitrotoluene	14.621	165	7934	7.845	ng	# 18
57) 2,4-Dinitrotoluene	14.621	165	7934	5.472	ng	# 23
67) 4-Bromophenyl-phenylether	16.113	248	7286	3.725	ng	# 1
75) Fluoranthene	19.421	202	38046	4.024	ng	96
77) Benzidine	19.973	184	7286	2.622	ng	# 95
78) Pyrene	19.785	202	33766	3.835	ng	99
83) Chrysene	21.677	228	21462	2.332	ng	# 91
88) Benzo(b)fluoranthene	23.816	252	29834	3.092	ng	# 97
89) Benzo(k)fluoranthene	23.816	252	29834	3.107	ng	98
90) Benzo(a)pyrene	24.686	252	18453	2.240	ng	# 87

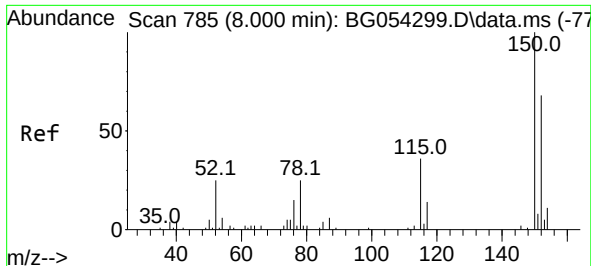
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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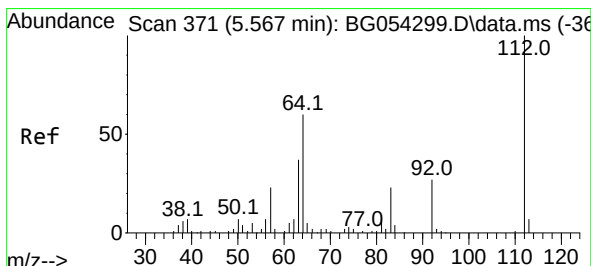
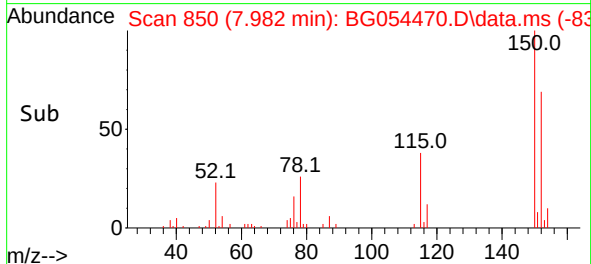
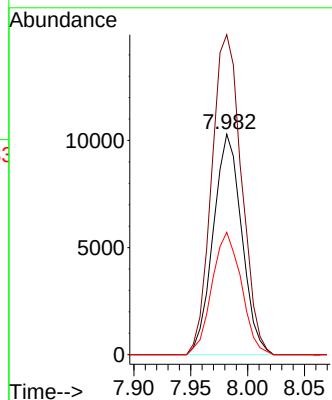
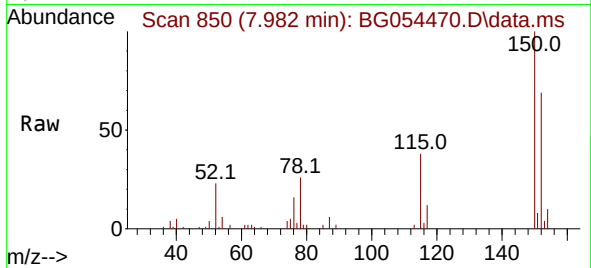




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.982 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

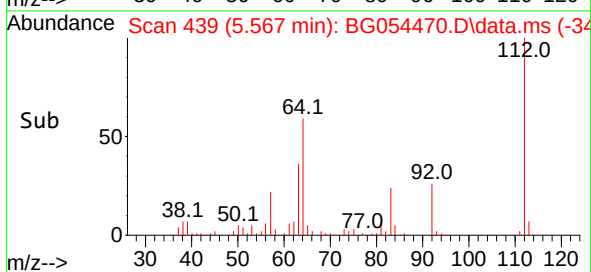
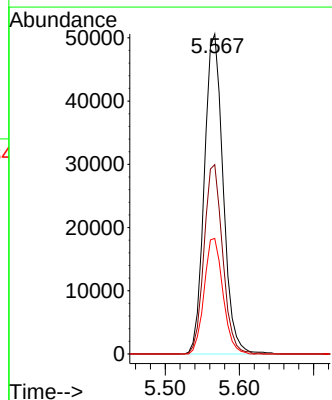
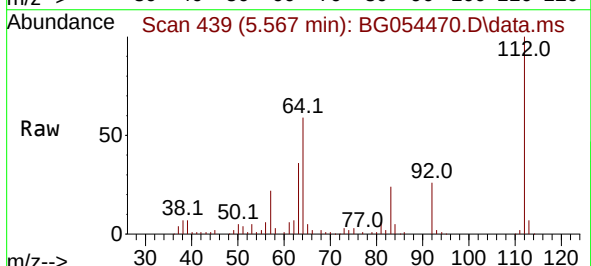
Instrument :
BNA_G
ClientSampleId :
RVE-59

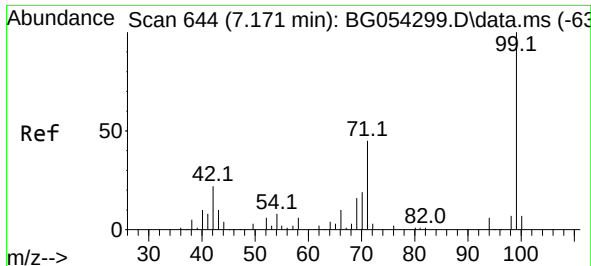
Tgt Ion:152 Resp: 17975
Ion Ratio Lower Upper
152 100
150 145.2 131.6 197.4
115 55.6 50.9 76.3



#5
2-Fluorophenol
Concen: 103.326 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

Tgt Ion:112 Resp: 88955
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 36.1 30.4 45.6





#7
Phenol-d6
Concen: 104.173 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

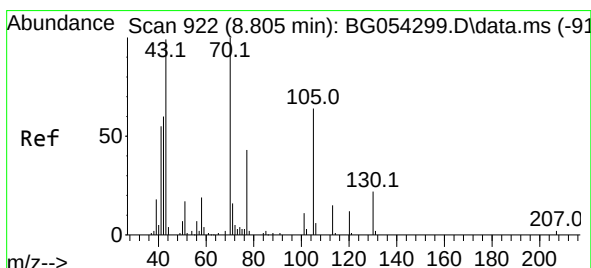
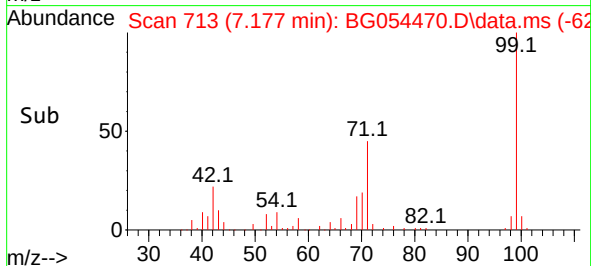
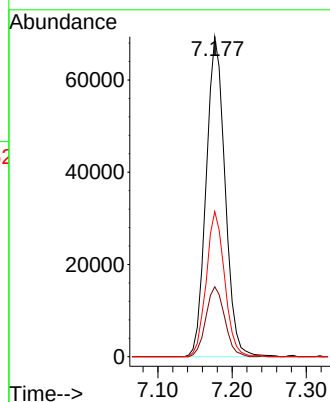
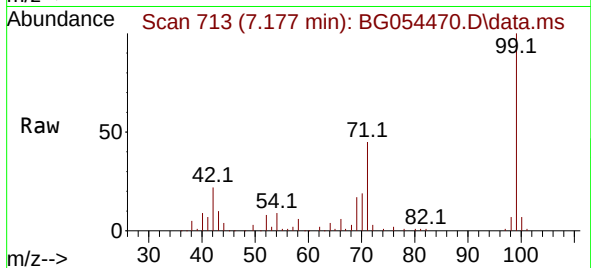
Instrument :

BNA_G

ClientSampleId :

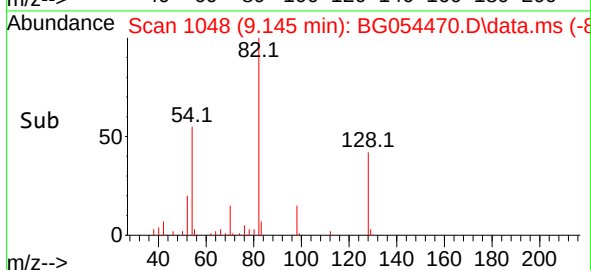
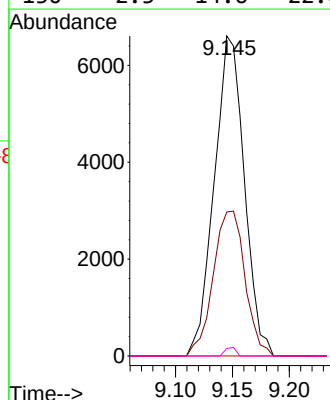
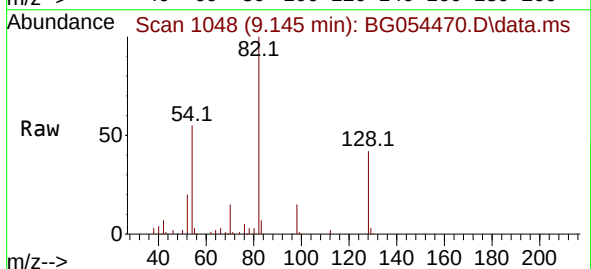
RVE-59

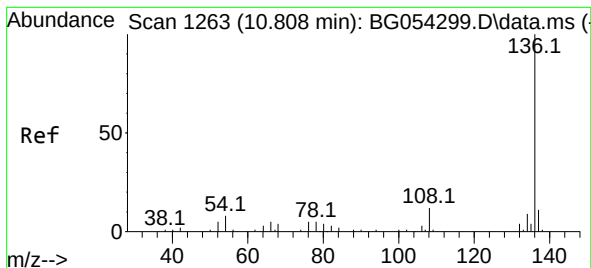
Tgt Ion: 99 Resp: 122890
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 45.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.389 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.352 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

Tgt Ion: 70 Resp: 12123
Ion Ratio Lower Upper
70 100
42 45.0 47.3 70.9#
101 0.0 7.0 10.4#
130 2.3 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.790 min Scan# 11

Delta R.T. -0.007 min

Lab File: BG054470.D

Acq: 1 Aug 2022 18:44

Instrument :

BNA_G

ClientSampleId :

RVE-59

Tgt Ion:136 Resp: 70879

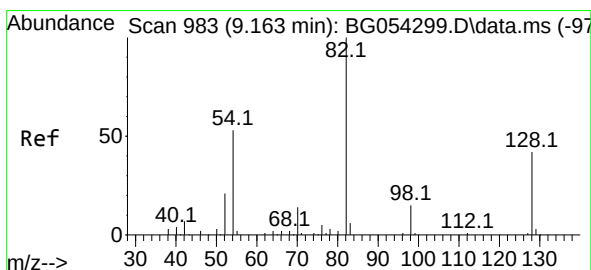
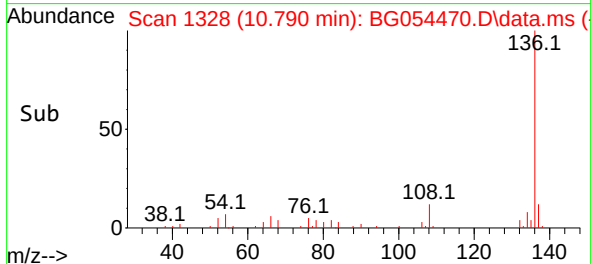
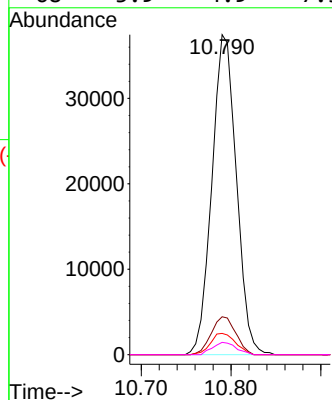
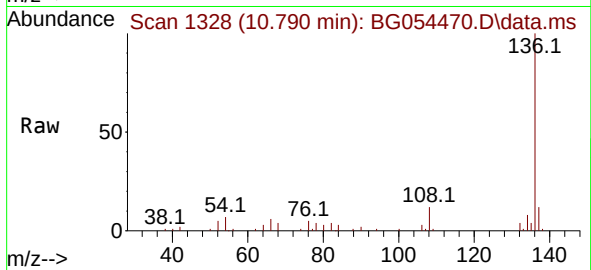
Ion Ratio Lower Upper

136 100

137 11.8 8.5 12.7

54 6.7 7.4 11.2#

68 3.9 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 65.162 ng

RT: 9.145 min Scan# 1048

Delta R.T. -0.007 min

Lab File: BG054470.D

Acq: 1 Aug 2022 18:44

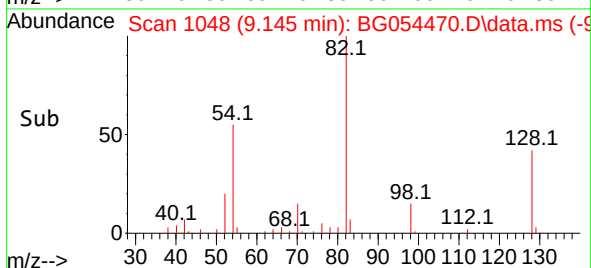
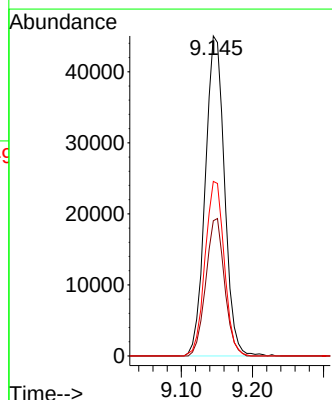
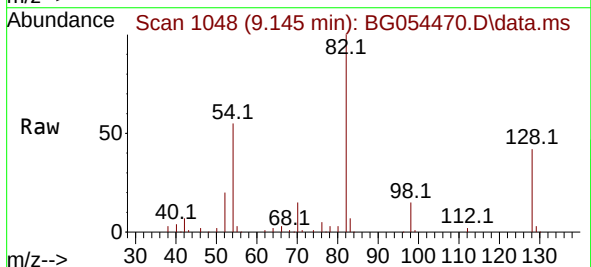
Tgt Ion: 82 Resp: 84812

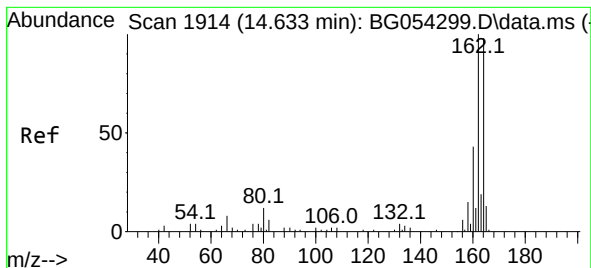
Ion Ratio Lower Upper

82 100

128 42.3 27.9 41.9#

54 54.5 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.621 min Scan# 1914

Delta R.T. -0.001 min

Lab File: BG054470.D

Acq: 1 Aug 2022 18:44

Instrument :

BNA_G

ClientSampleId :

RVE-59

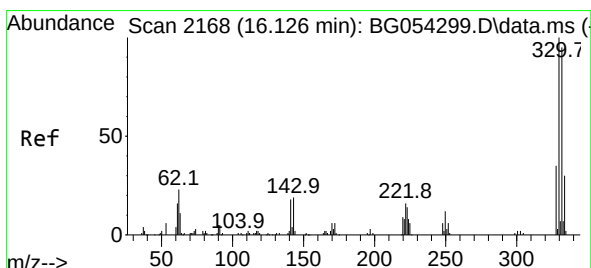
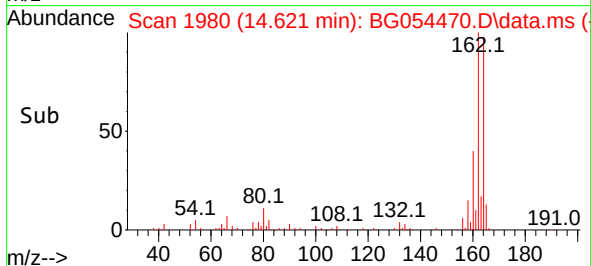
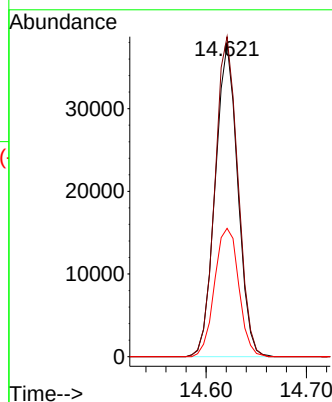
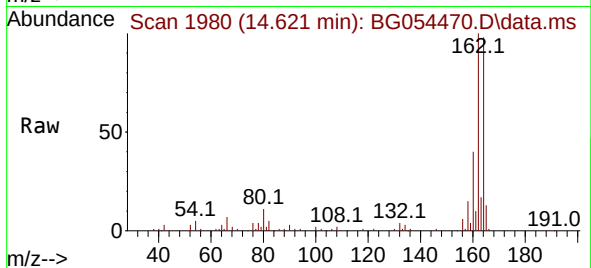
Tgt Ion:164 Resp: 59032

Ion Ratio Lower Upper

164 100

162 102.4 82.3 123.5

160 41.1 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 100.004 ng

RT: 16.113 min Scan# 2234

Delta R.T. -0.001 min

Lab File: BG054470.D

Acq: 1 Aug 2022 18:44

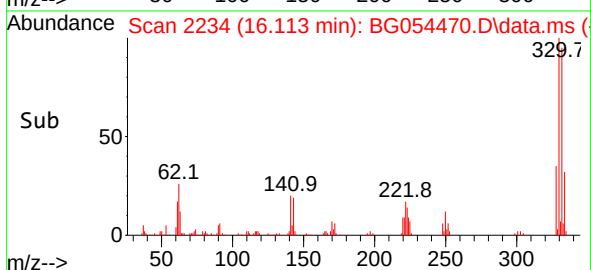
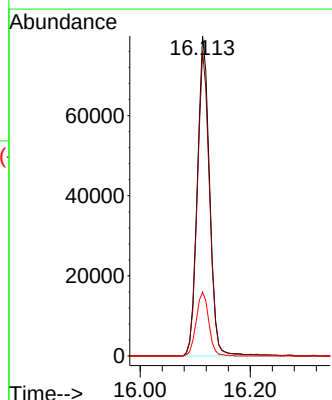
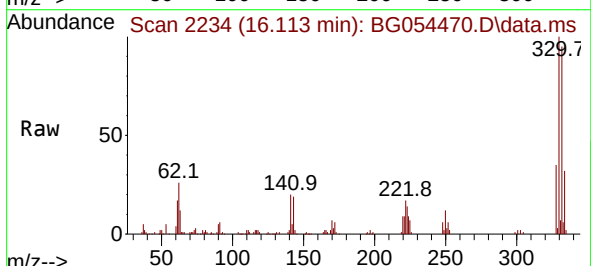
Tgt Ion:330 Resp: 123950

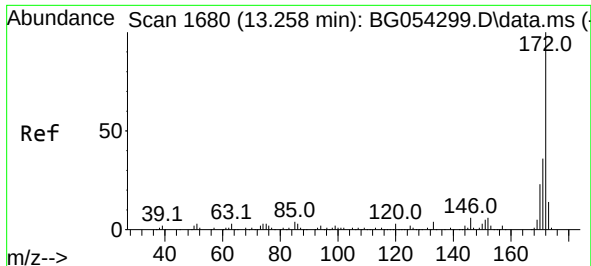
Ion Ratio Lower Upper

330 100

332 95.3 76.0 114.0

141 20.3 27.1 40.7#

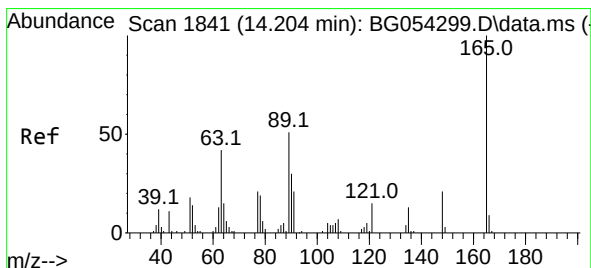
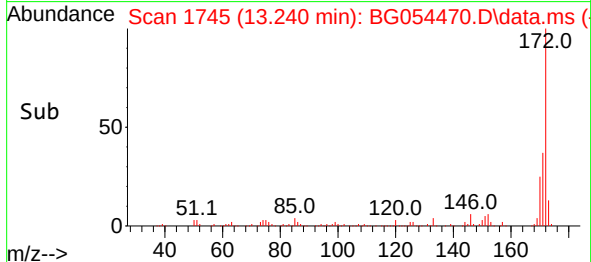
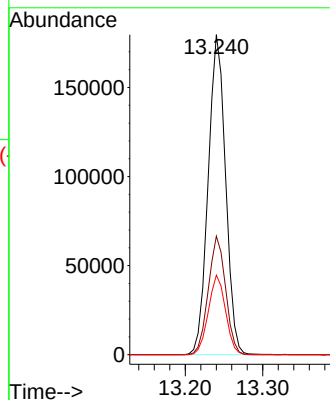
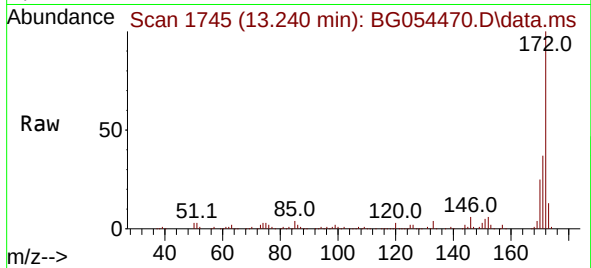




#45
2-Fluorobiphenyl
Concen: 66.844 ng
RT: 13.240 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

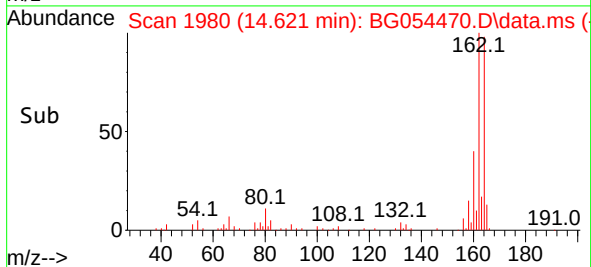
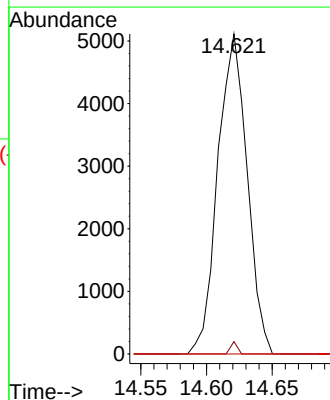
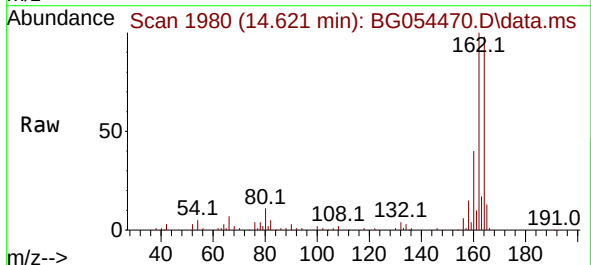
Instrument :
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ClientSampleId :
RVE-59

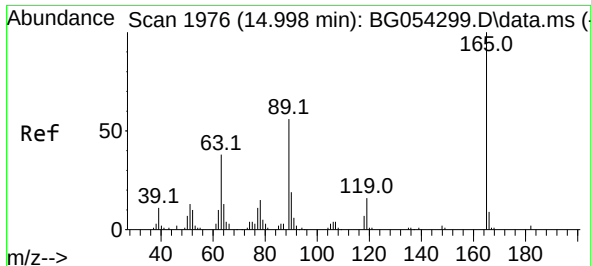
Tgt Ion:172 Resp: 279714
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.845 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

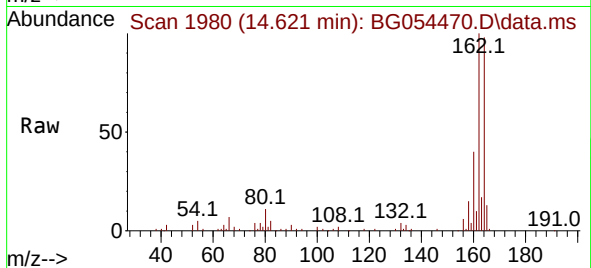
Tgt Ion:165 Resp: 7934
Ion Ratio Lower Upper
165 100
63 3.9 54.1 81.1#
89 0.0 54.8 82.2#



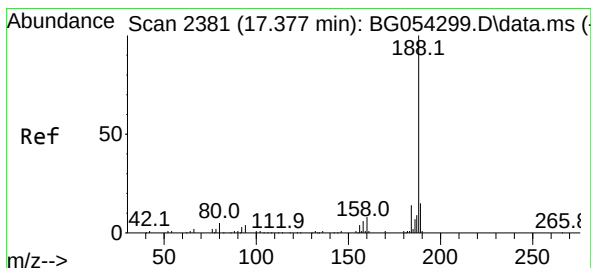
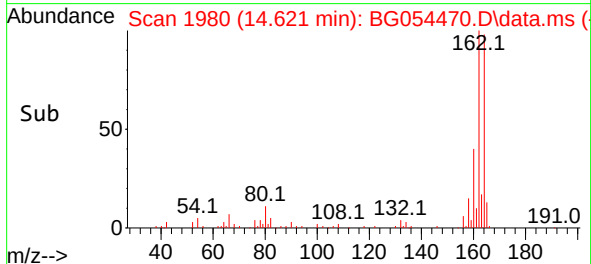
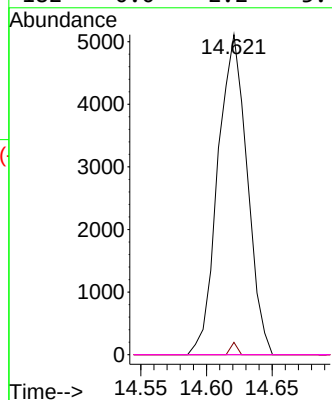


#57
2,4-Dinitrotoluene
Concen: 5.472 ng
RT: 14.621 min Scan# 14
Delta R.T. -0.371 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

Instrument :
BNA_G
ClientSampleId :
RVE-59

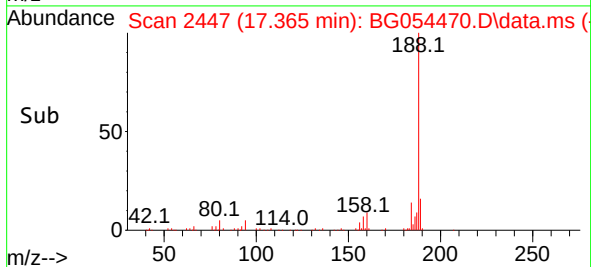
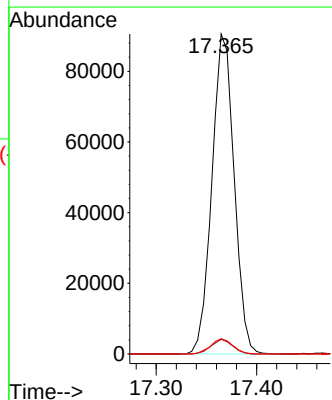
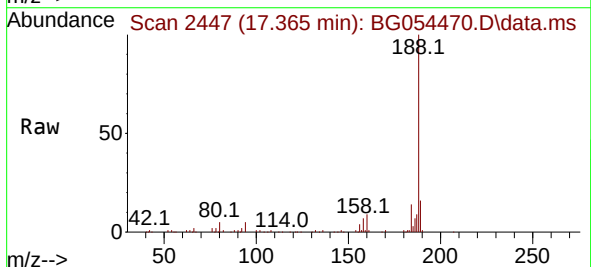


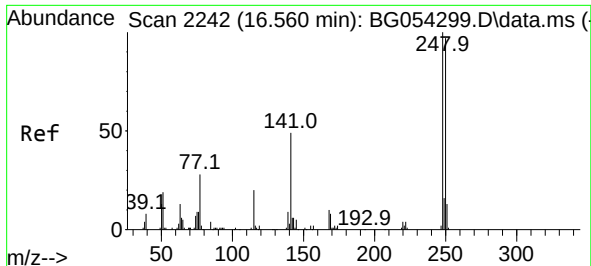
Tgt Ion:165 Resp: 7934
Ion Ratio Lower Upper
165 100
63 3.9 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

Tgt Ion:188 Resp: 139267
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 4.7 6.8 10.2#

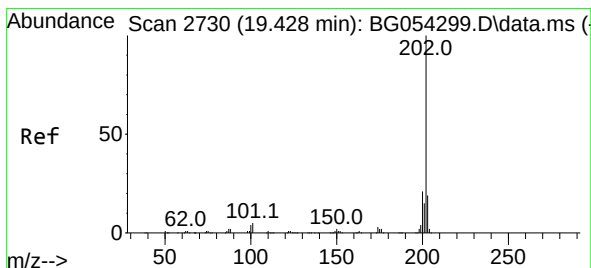
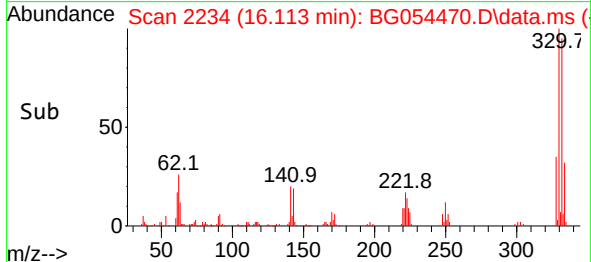
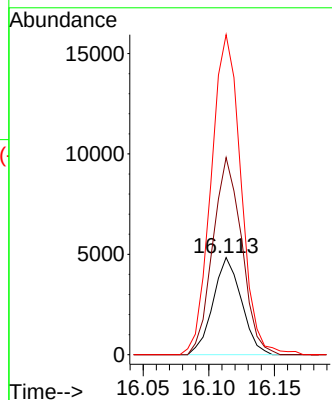
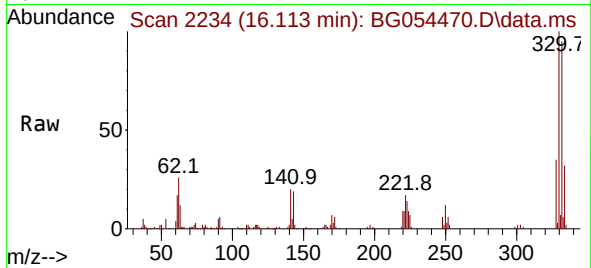




#67
4-Bromophenyl-phenylether
Concen: 3.725 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

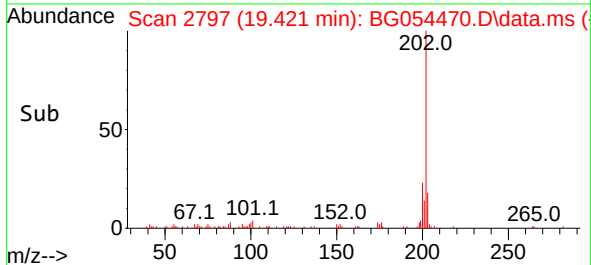
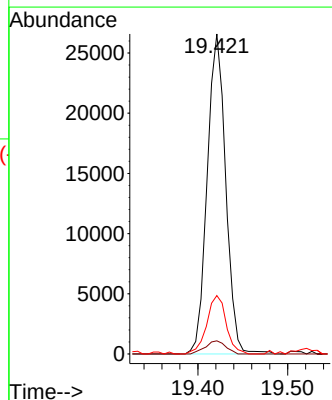
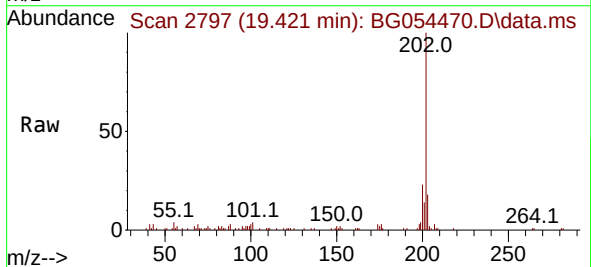
Instrument :
BNA_G
ClientSampleId :
RVE-59

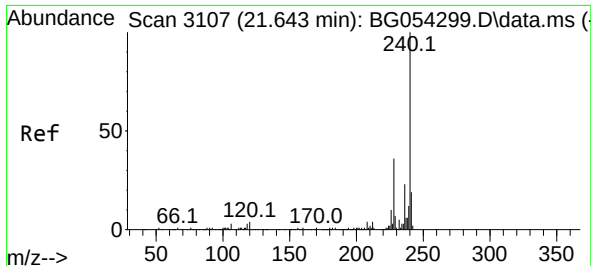
Tgt Ion:248 Resp: 7286
Ion Ratio Lower Upper
248 100
250 202.9 75.2 112.8#
141 329.4 50.0 75.0#



#75
Fluoranthene
Concen: 4.024 ng
RT: 19.421 min Scan# 2797
Delta R.T. -0.001 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

Tgt Ion:202 Resp: 38046
Ion Ratio Lower Upper
202 100
101 4.1 0.0 26.9
203 18.3 0.0 37.2

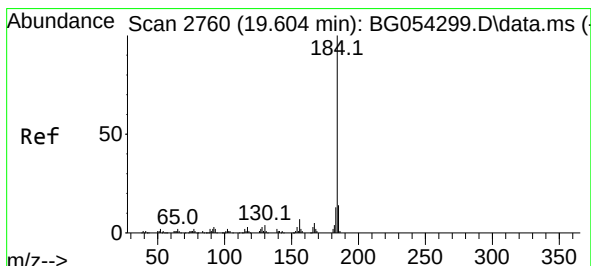
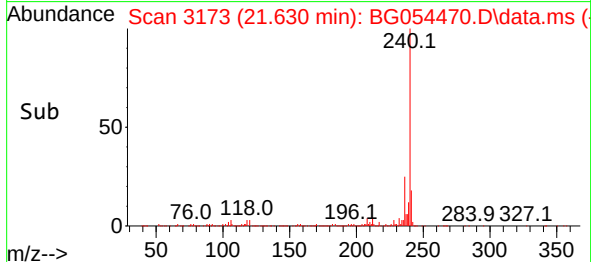
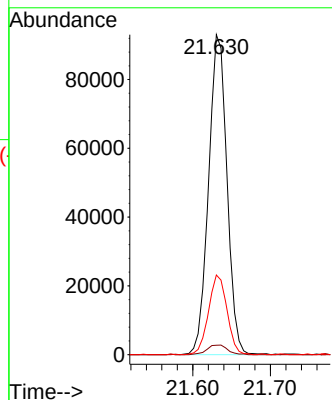
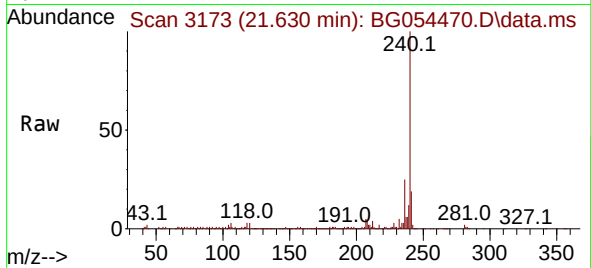




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

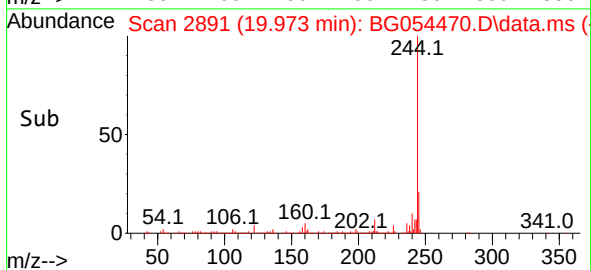
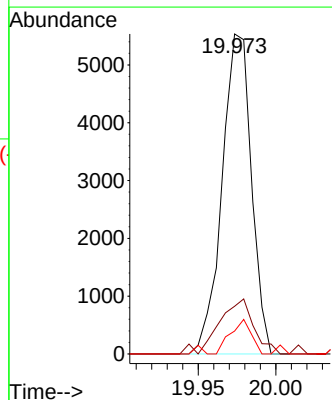
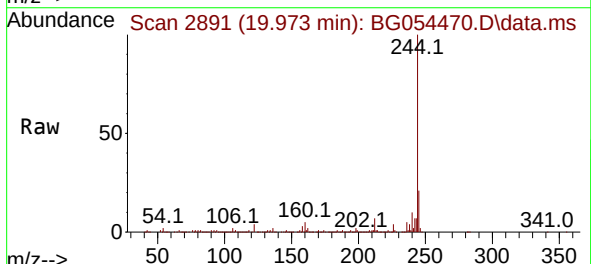
Instrument :
BNA_G
ClientSampleId :
RVE-59

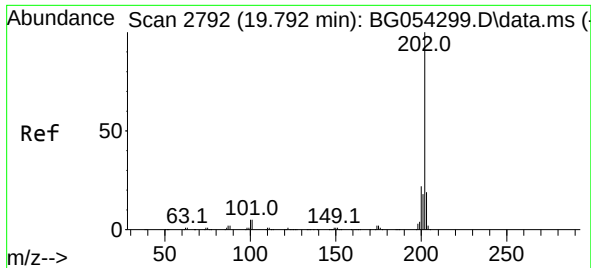
Tgt Ion:240 Resp: 153454
Ion Ratio Lower Upper
240 100
120 3.0 4.6 7.0#
236 24.9 20.2 30.4



#77
Benzidine
Concen: 2.622 ng
RT: 19.973 min Scan# 2891
Delta R.T. 0.375 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

Tgt Ion:184 Resp: 7286
Ion Ratio Lower Upper
184 100
185 14.9 11.8 17.6
183 7.1 8.9 13.3#

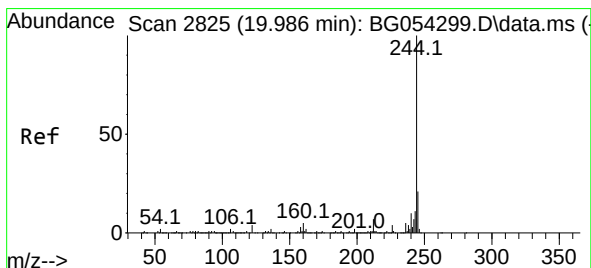
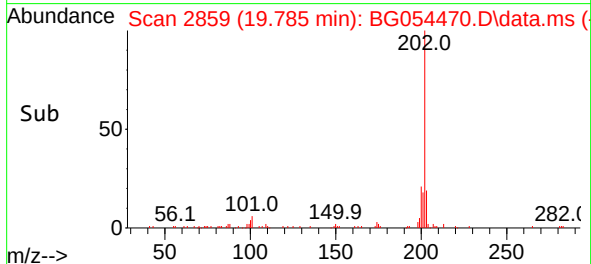
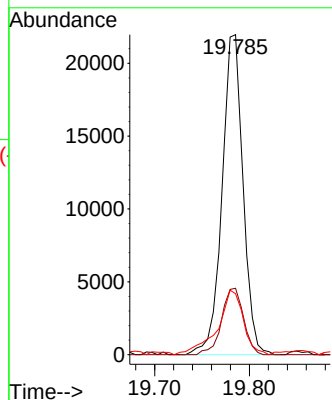
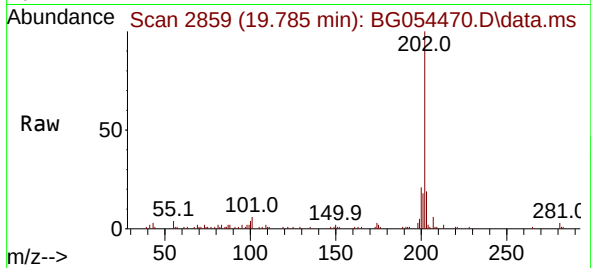




#78
Pyrene
Concen: 3.835 ng
RT: 19.785 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

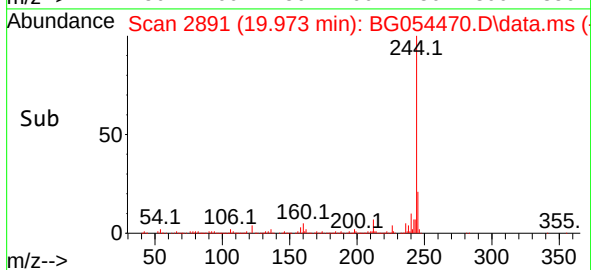
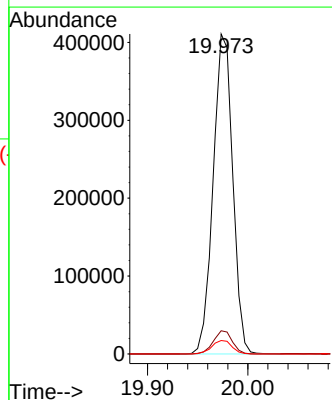
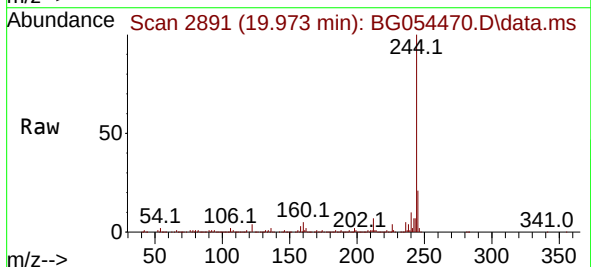
Instrument :
BNA_G
ClientSampleId :
RVE-59

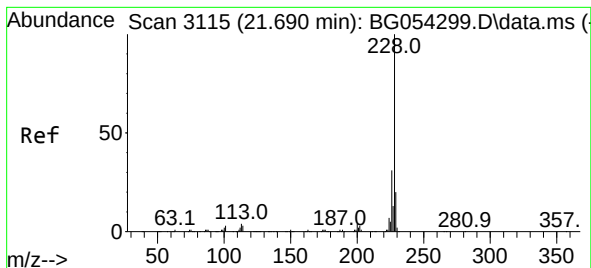
Tgt Ion:202 Resp: 33766
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 19.1 14.6 21.8



#79
Terphenyl-d14
Concen: 71.738 ng
RT: 19.973 min Scan# 2891
Delta R.T. -0.007 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

Tgt Ion:244 Resp: 554918
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 4.2 5.0 7.4#





#83

Chrysene

Concen: 2.332 ng

RT: 21.677 min Scan# 3115

Delta R.T. -0.007 min

Lab File: BG054470.D

Acq: 1 Aug 2022 18:44

Instrument :

BNA_G

ClientSampleId :

RVE-59

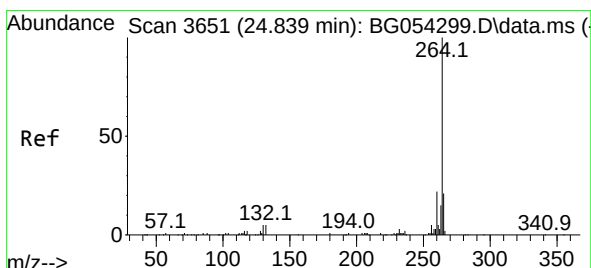
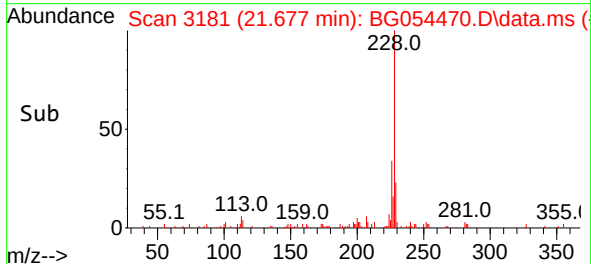
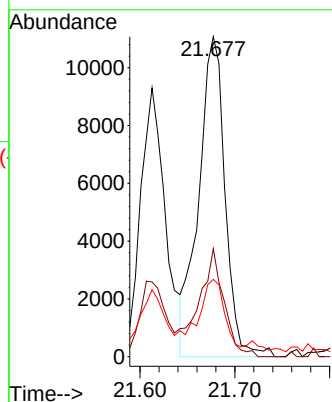
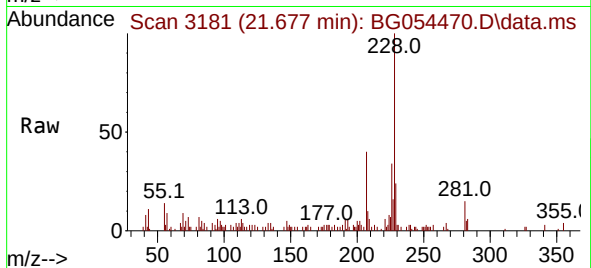
Tgt Ion:228 Resp: 21462

Ion Ratio Lower Upper

228 100

226 33.8 23.4 35.2

229 24.1 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.832 min Scan# 3718

Delta R.T. -0.001 min

Lab File: BG054470.D

Acq: 1 Aug 2022 18:44

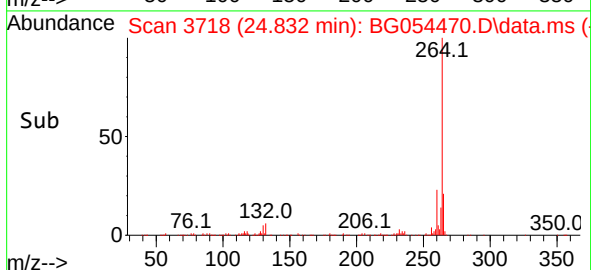
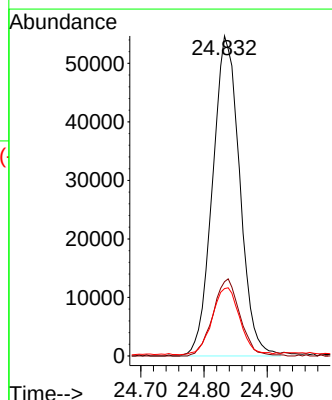
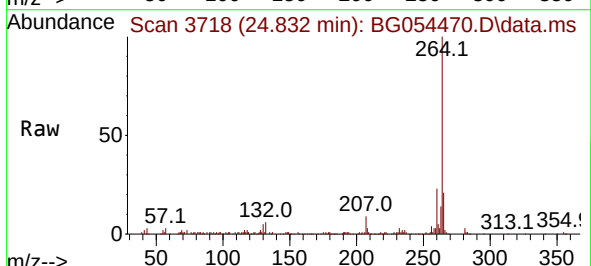
Tgt Ion:264 Resp: 163139

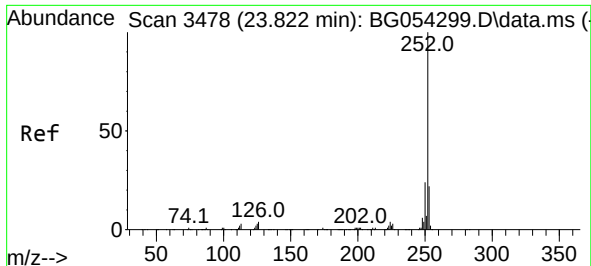
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.0 17.4 26.2

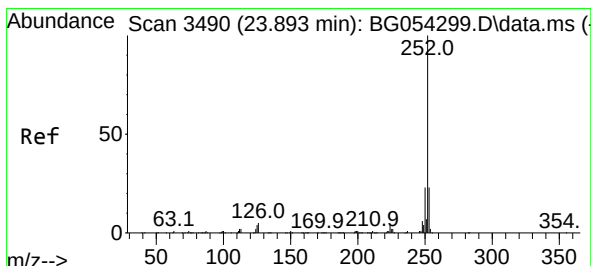
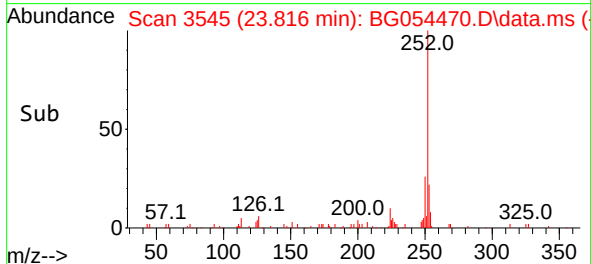
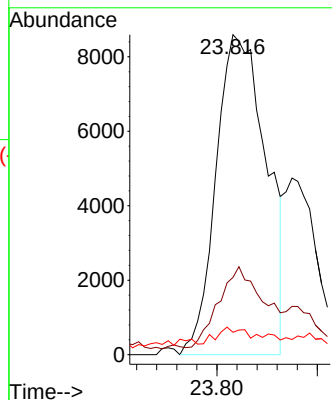
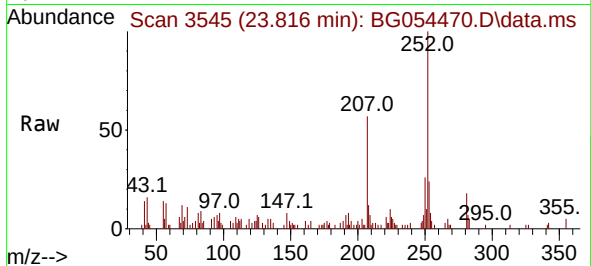




#88
Benzo(b)fluoranthene
Concen: 3.092 ng
RT: 23.816 min Scan# 3545
Delta R.T. -0.007 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

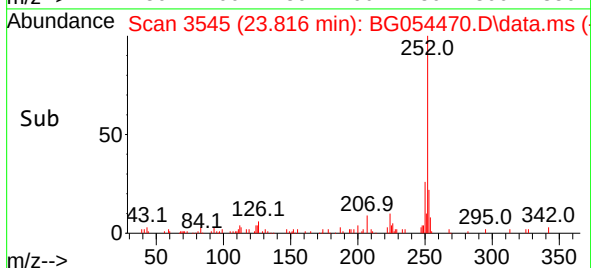
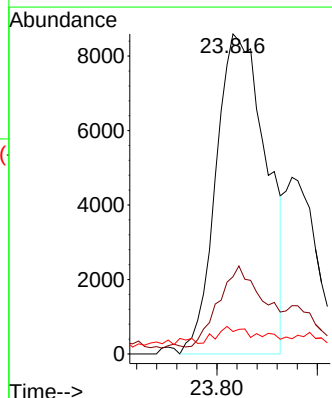
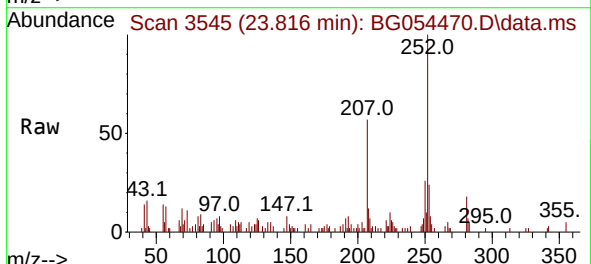
Instrument :
BNA_G
ClientSampleId :
RVE-59

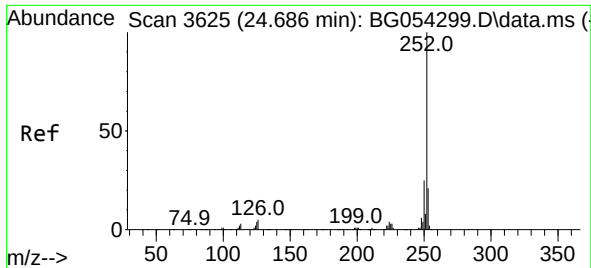
Tgt Ion:252 Resp: 29834
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 7.0 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 3.107 ng
RT: 23.816 min Scan# 3545
Delta R.T. -0.071 min
Lab File: BG054470.D
Acq: 1 Aug 2022 18:44

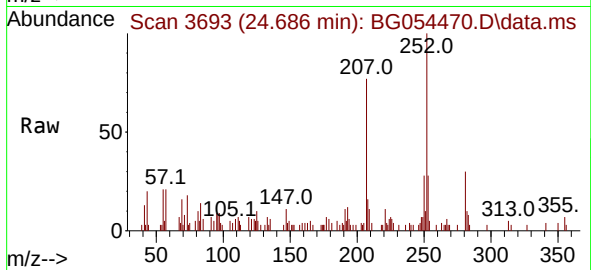
Tgt Ion:252 Resp: 29834
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 7.0 4.8 7.2





#90
 Benzo(a)pyrene
 Concen: 2.240 ng
 RT: 24.686 min Scan# 30
 Delta R.T. -0.001 min
 Lab File: BG054470.D
 Acq: 1 Aug 2022 18:44

Instrument :
 BNA_G
 ClientSampleId :
 RVE-59



Tgt Ion:252 Resp: 18453
 Ion Ratio Lower Upper
 252 100
 253 28.1 17.8 26.8#
 125 10.1 4.3 6.5#

