

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054448.D
 Acq On : 29 Jul 2022 14:06
 Operator : CG/JU
 Sample : N3893-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-2

Quant Time: Jul 30 03:18:01 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)

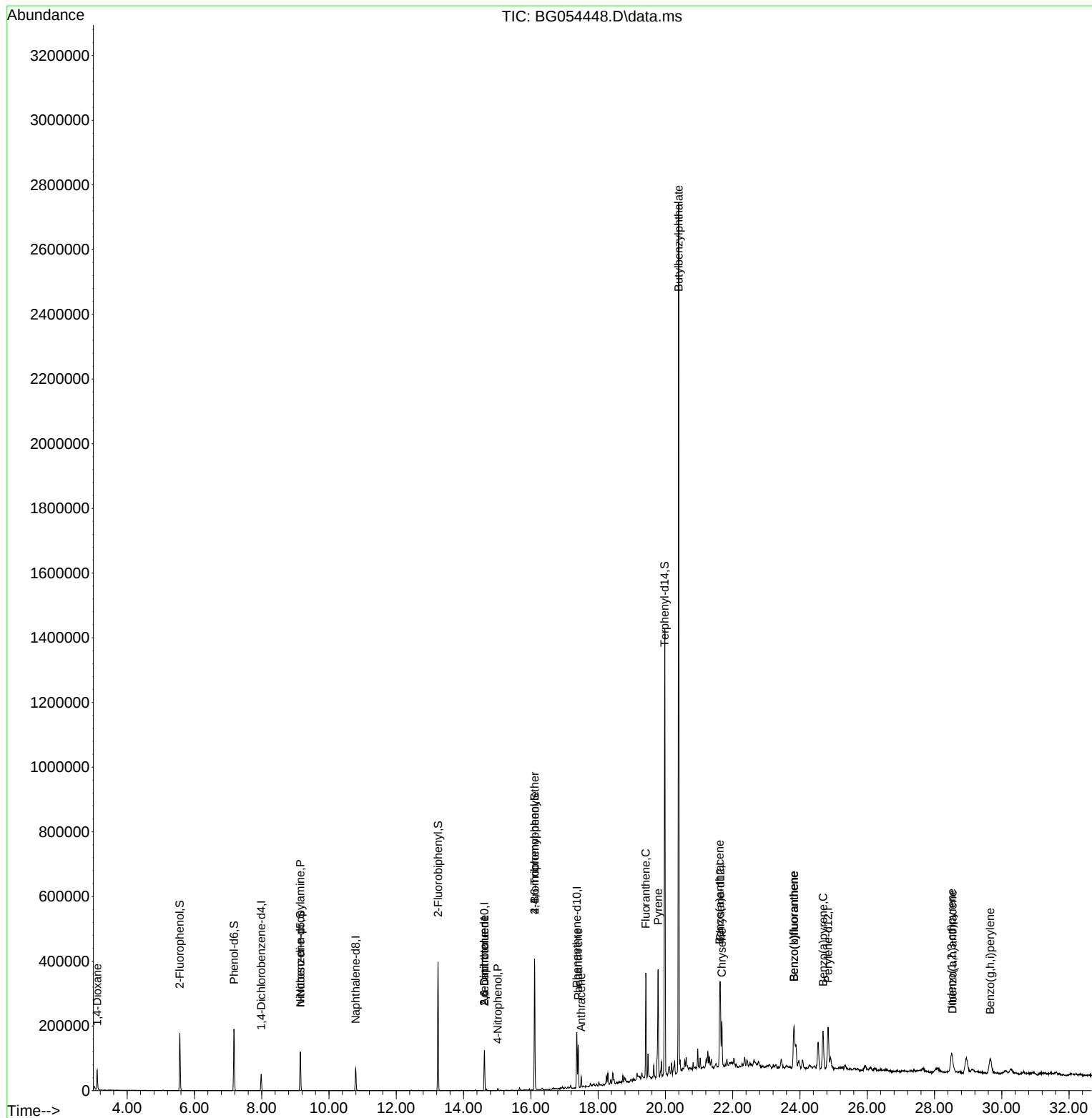
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	16197	20.000	ng	0.00
21) Naphthalene-d8	10.794	136	63855	20.000	ng	# 0.00
39) Acenaphthene-d10	14.619	164	50913	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	123570	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	142204	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	151566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	80852	104.223	ng	0.00
7) Phenol-d6	7.175	99	108884	102.432	ng	0.00
23) Nitrobenzene-d5	9.149	82	71702	61.149	ng	0.00
42) 2,4,6-Tribromophenol	16.111	330	106497	99.625	ng	0.00
45) 2-Fluorobiphenyl	13.244	172	232330	64.374	ng	0.00
79) Terphenyl-d14	19.977	244	482727	67.342	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.109	88	658	2.132	ng	# 1
9) Benzaldehyde	7.169	77	114	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.149	70	10270	14.468	ng	# 79
51) 2,6-Dinitrotoluene	14.619	165	7236	8.296	ng	# 16
56) 4-Nitrophenol	15.018	139	1604	3.296	ng	# 1
57) 2,4-Dinitrotoluene	14.619	165	7236	5.787	ng	# 21
67) 4-Bromophenyl-phenylether	16.111	248	6524	3.759	ng	# 1
71) Phenanthrene	17.410	178	94552	15.365	ng	97
72) Anthracene	17.498	178	25353	4.198	ng	99
75) Fluoranthene	19.419	202	228203	27.204	ng	95
78) Pyrene	19.783	202	214459	26.283	ng	98
80) Butylbenzylphthalate	20.394	149	10181	4.004	ng	# 32
81) Benzo(a)anthracene	21.616	228	130039	14.406	ng	99
83) Chrysene	21.681	228	112067	13.140	ng	97
87) Indeno(1,2,3-cd)pyrene	28.508	276	121620	10.548	ng	# 96
88) Benzo(b)fluoranthene	23.826	252	181253	20.221	ng	# 98
89) Benzo(k)fluoranthene	23.826	252	181586	20.356	ng	# 99
90) Benzo(a)pyrene	24.689	252	147641	19.287	ng	100
91) Dibenzo(a,h)anthracene	28.538	278	26657	2.812	ng	96
92) Benzo(g,h,i)perylene	29.660	276	124058	13.257	ng	# 92

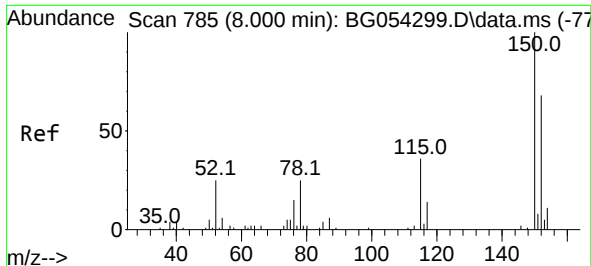
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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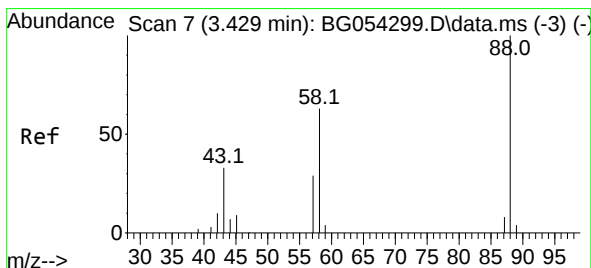
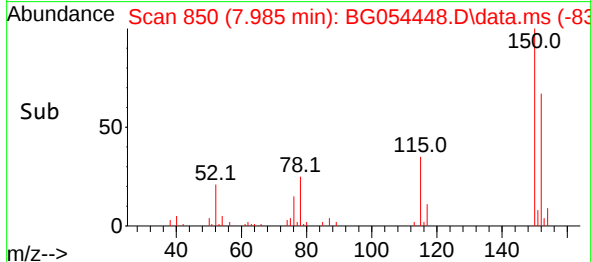
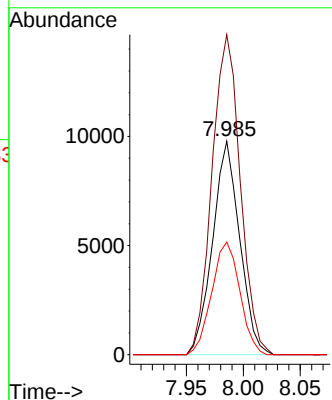
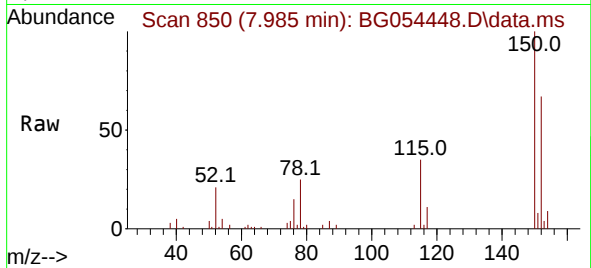




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.985 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: BG054448.D
 Acq: 29 Jul 2022 14:06

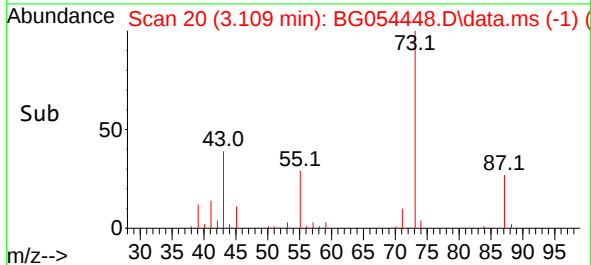
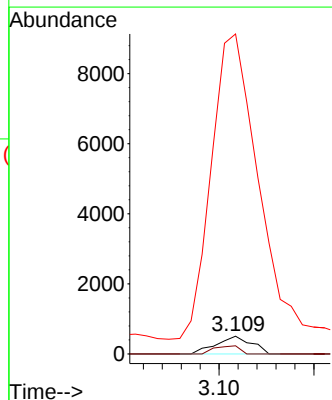
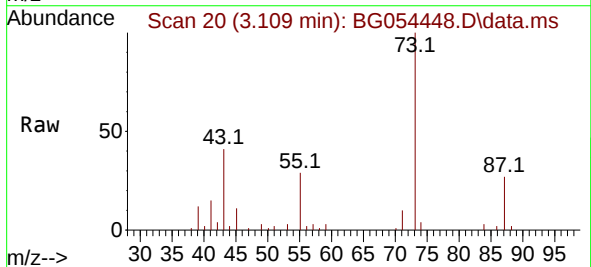
Instrument :
 BNA_G
 ClientSampleId :
 RVE-2

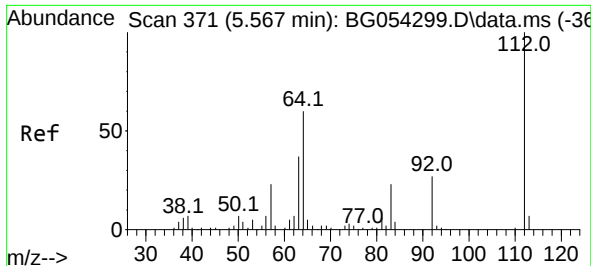
Tgt Ion:152 Resp: 16197
 Ion Ratio Lower Upper
 152 100
 150 149.9 131.6 197.4
 115 52.7 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.132 ng
 RT: 3.109 min Scan# 20
 Delta R.T. -0.309 min
 Lab File: BG054448.D
 Acq: 29 Jul 2022 14:06

Tgt Ion: 88 Resp: 658
 Ion Ratio Lower Upper
 88 100
 58 32.5 59.2 88.8#
 43 2521.7 24.3 36.5#

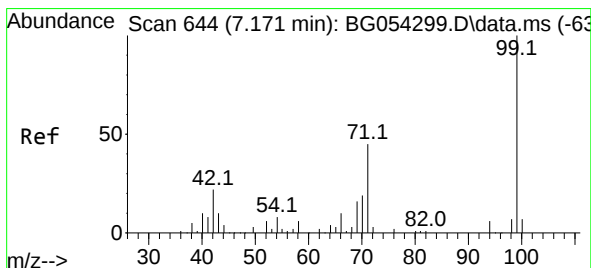
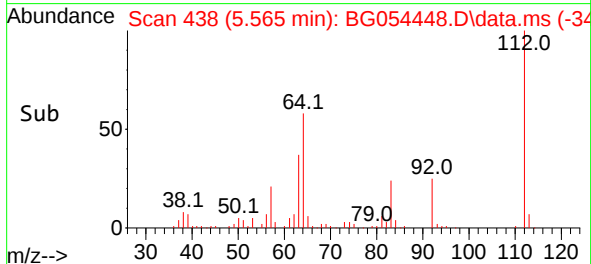
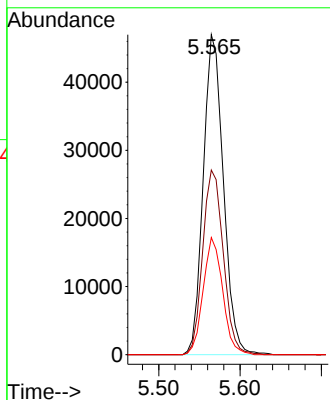
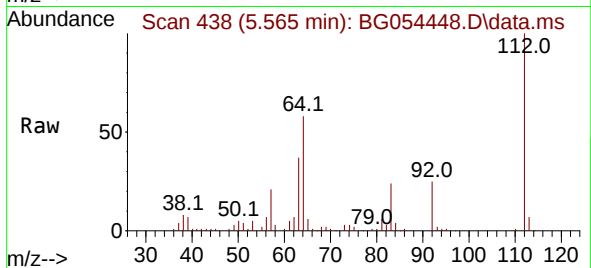




#5
2-Fluorophenol
Concen: 104.223 ng
RT: 5.565 min Scan# 41
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

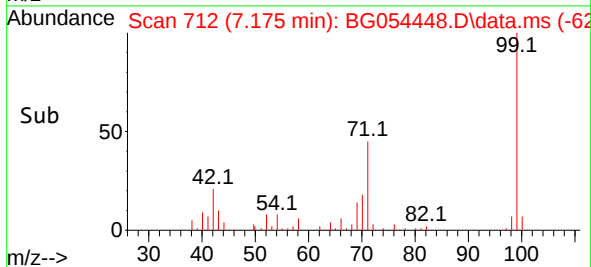
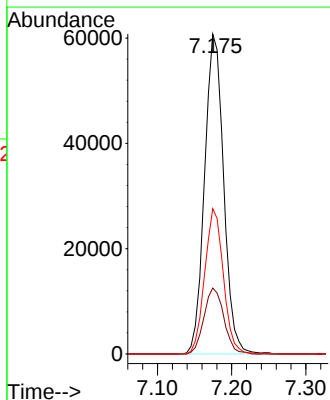
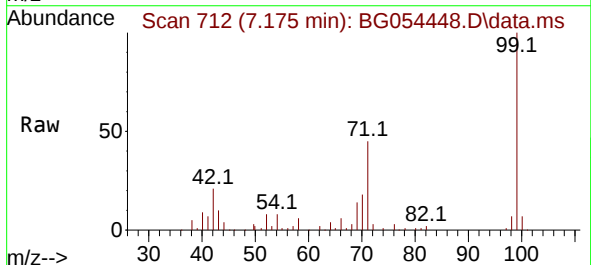
Instrument :
BNA_G
ClientSampleId :
RVE-2

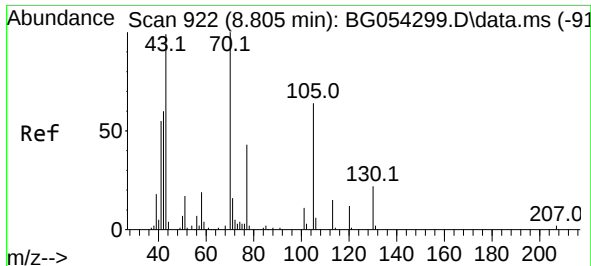
Tgt Ion:112 Resp: 80852
Ion Ratio Lower Upper
112 100
64 57.7 55.1 82.7
63 36.6 30.4 45.6



#7
Phenol-d6
Concen: 102.432 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion: 99 Resp: 108884
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 45.4 33.8 50.8

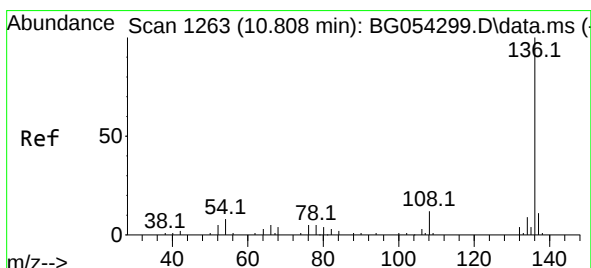
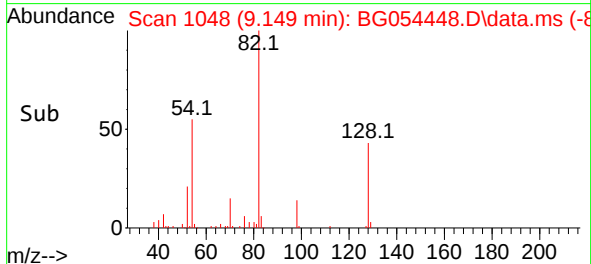
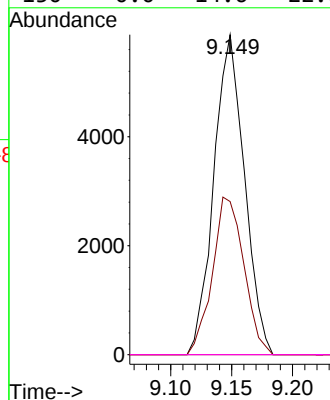
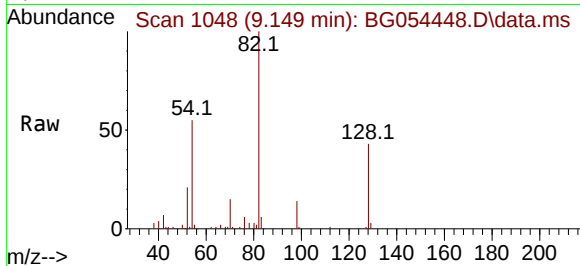




#19
n-Nitroso-di-n-propylamine
Concen: 14.468 ng
RT: 9.149 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

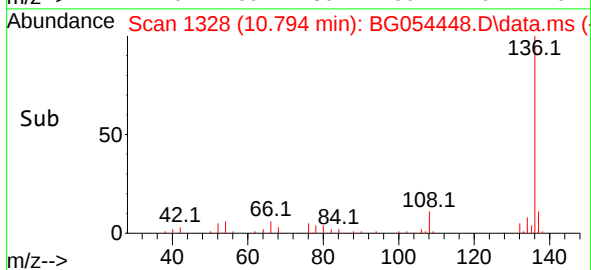
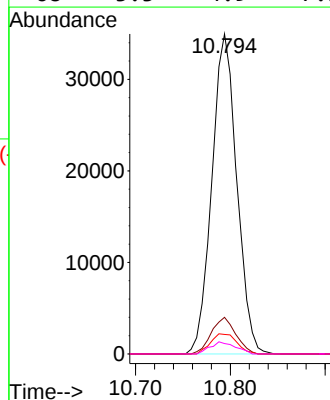
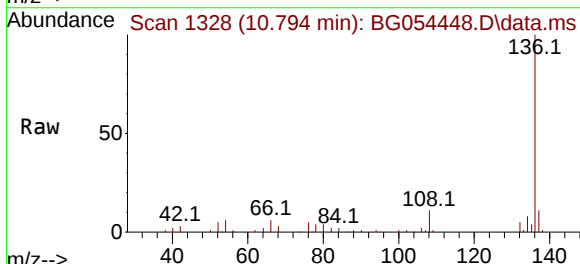
Instrument :
BNA_G
ClientSampleId :
RVE-2

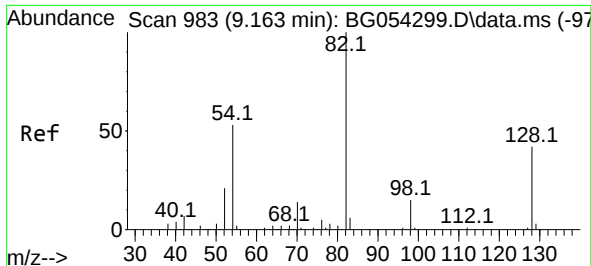
Tgt Ion:	70	Resp:	10270
Ion	Ratio	Lower	Upper
70	100		
42	47.8	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.794 min Scan# 1328
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion:	136	Resp:	63855
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	6.1	7.4	11.2#
68	3.3	4.9	7.3#

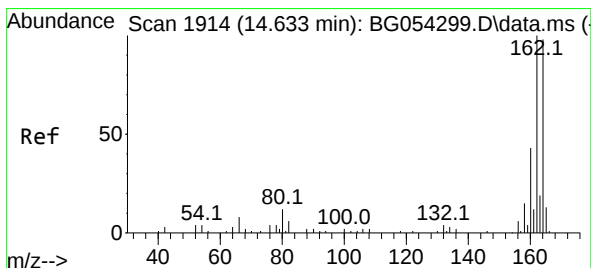
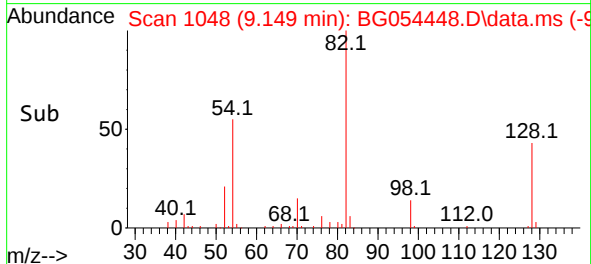
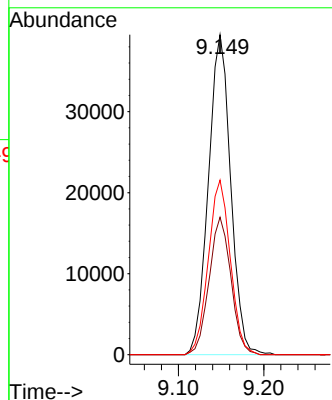
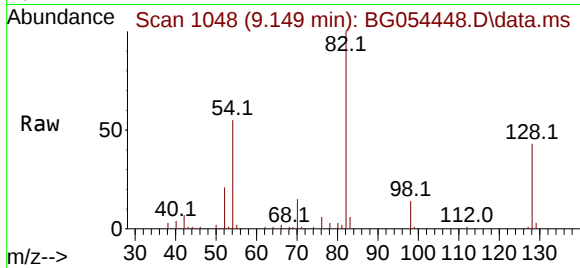




#23
Nitrobenzene-d5
Concen: 61.149 ng
RT: 9.149 min Scan# 1048
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

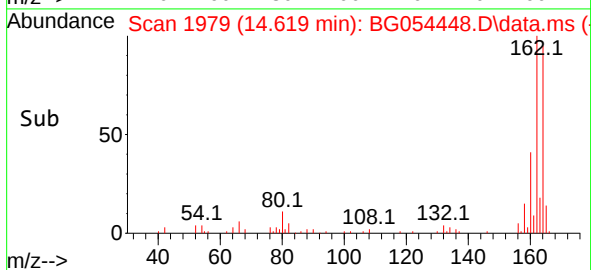
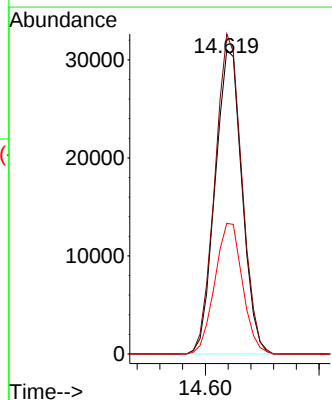
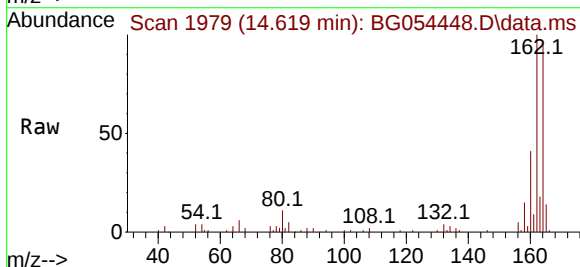
Instrument :
BNA_G
ClientSampleId :
RVE-2

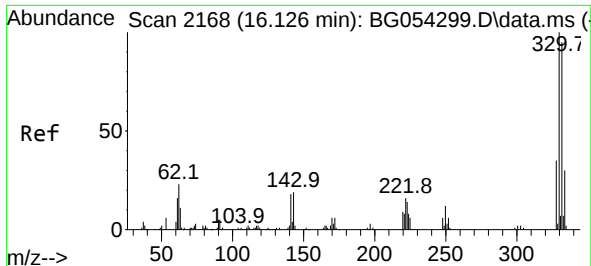
Tgt Ion: 82 Resp: 71702
Ion Ratio Lower Upper
82 100
128 43.0 27.9 41.9#
54 54.6 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.619 min Scan# 1979
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion: 164 Resp: 50913
Ion Ratio Lower Upper
164 100
162 105.2 82.3 123.5
160 42.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 99.625 ng

RT: 16.111 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

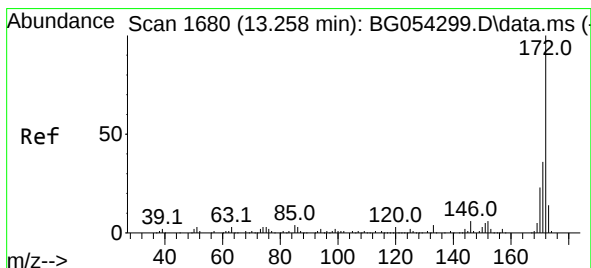
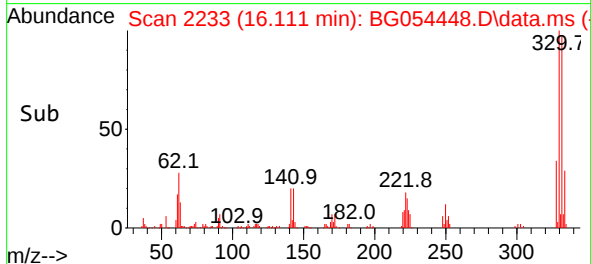
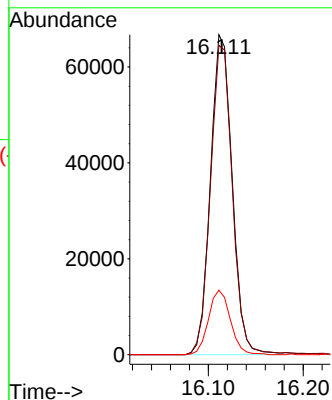
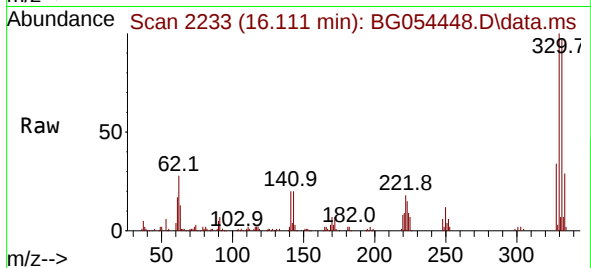
Tgt Ion:330 Resp: 106497

Ion Ratio Lower Upper

330 100

332 97.9 76.0 114.0

141 20.3 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 64.374 ng

RT: 13.244 min Scan# 1745

Delta R.T. -0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

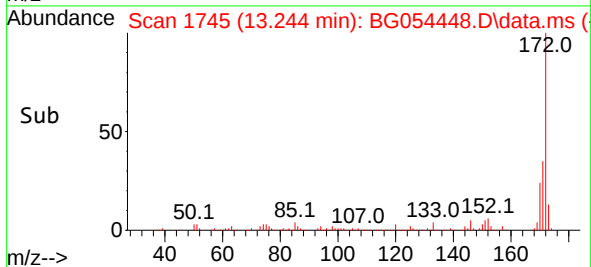
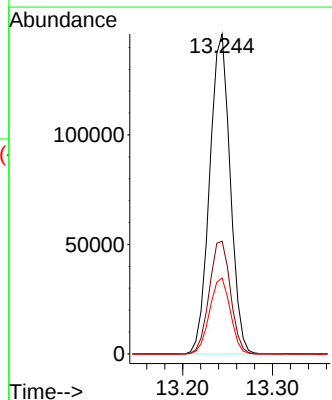
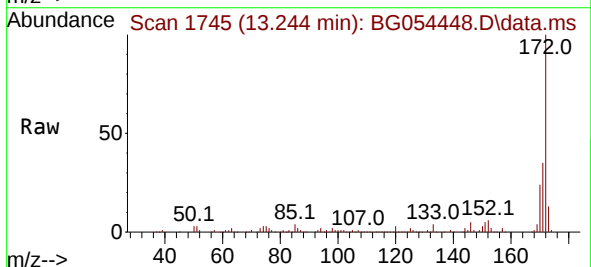
Tgt Ion:172 Resp: 232330

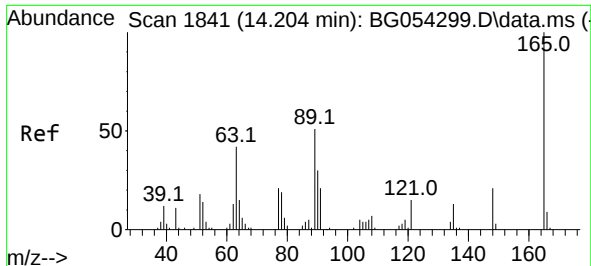
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.7 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.296 ng

RT: 14.619 min Scan# 1979

Delta R.T. 0.420 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

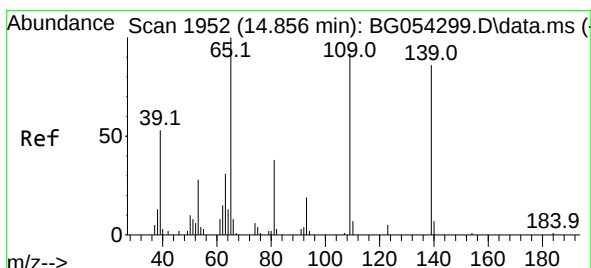
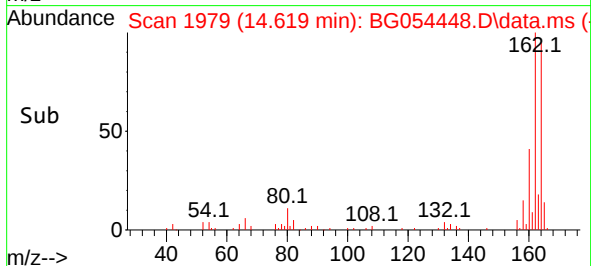
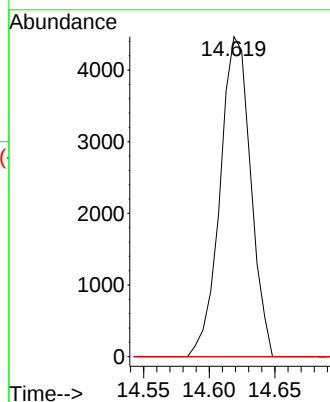
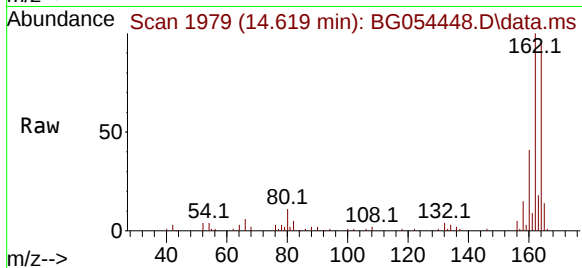
Tgt Ion:165 Resp: 7236

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#56

4-Nitrophenol

Concen: 3.296 ng

RT: 15.018 min Scan# 2047

Delta R.T. 0.138 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

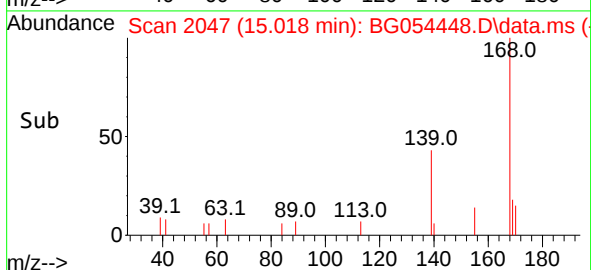
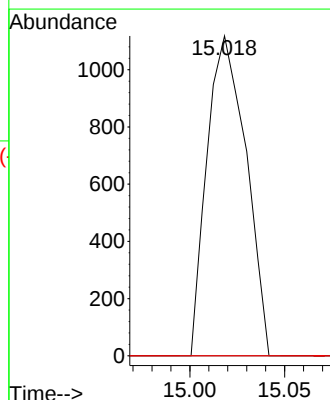
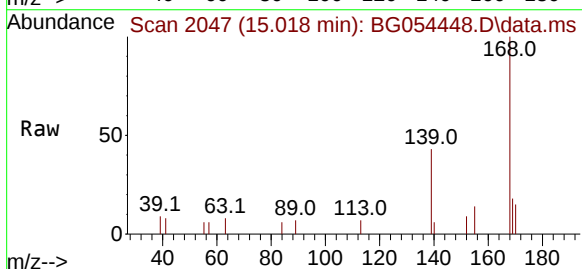
Tgt Ion:139 Resp: 1604

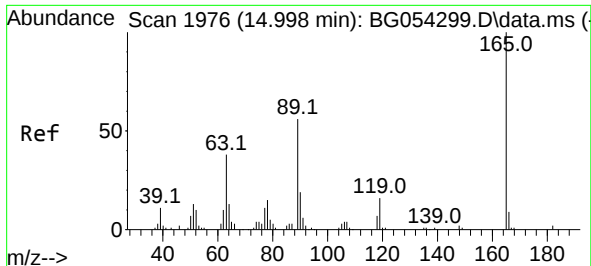
Ion Ratio Lower Upper

139 100

109 0.0 88.5 128.5#

65 0.0 93.9 133.9#





#57

2,4-Dinitrotoluene

Concen: 5.787 ng

RT: 14.619 min Scan# 14

Delta R.T. -0.373 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

Tgt Ion:165 Resp: 7236

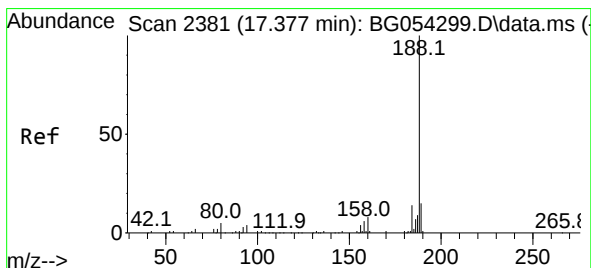
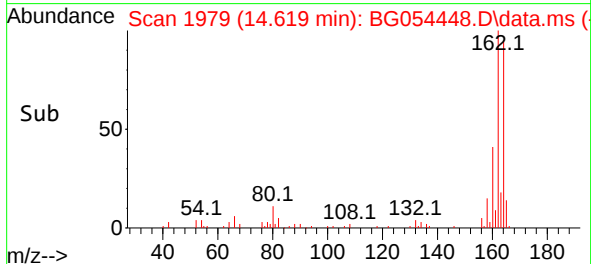
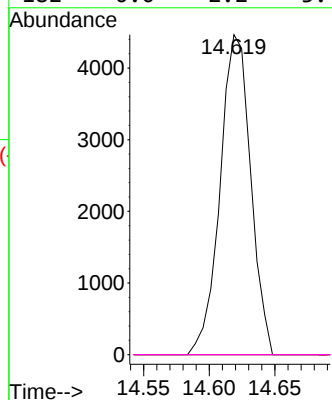
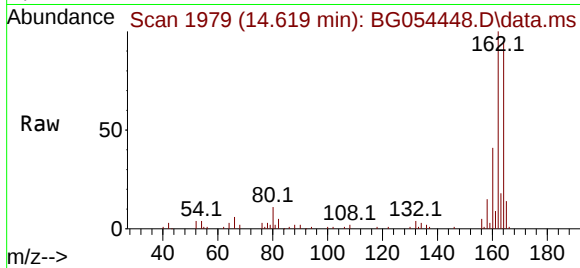
Ion Ratio Lower Upper

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: 17.368 min Scan# 2447

Delta R.T. -0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

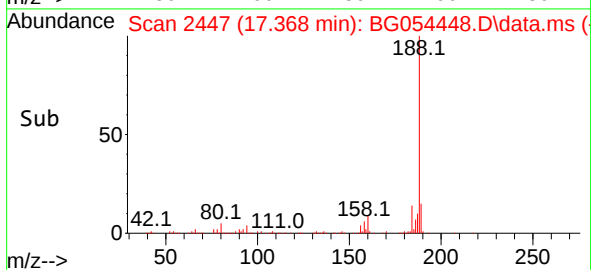
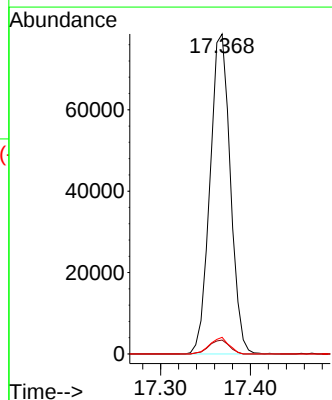
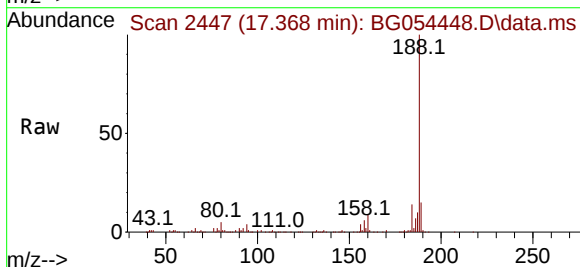
Tgt Ion:188 Resp: 123570

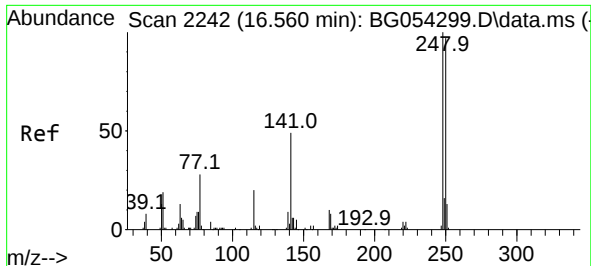
Ion Ratio Lower Upper

188 100

94 4.3 5.4 8.0#

80 5.2 6.8 10.2#

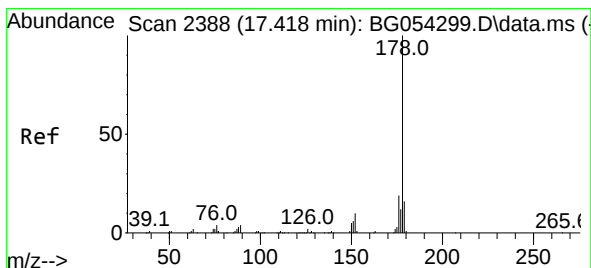
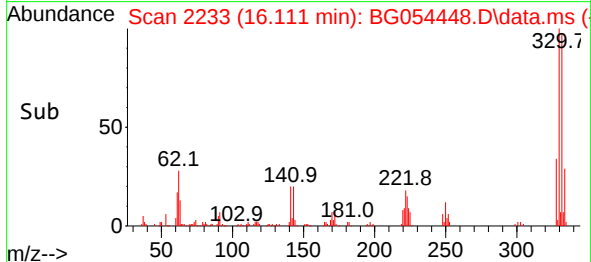
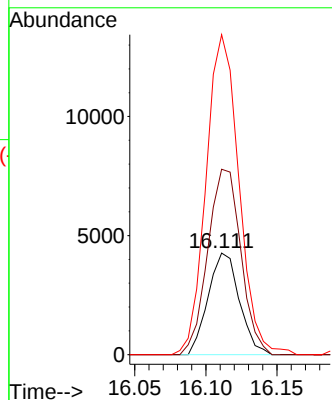
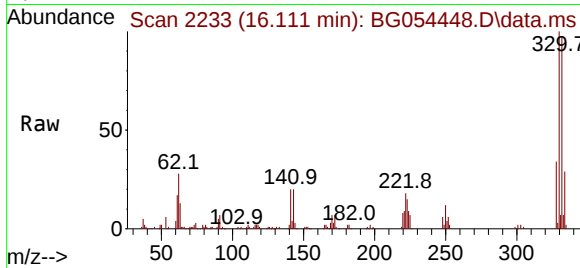




#67
4-Bromophenyl-phenylether
Concen: 3.759 ng
RT: 16.111 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

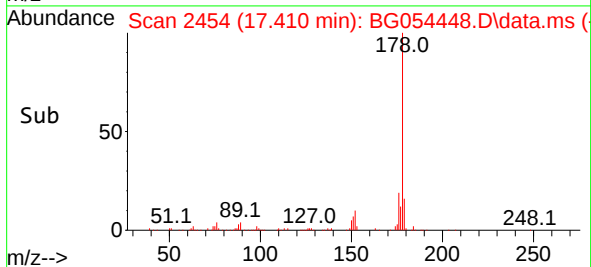
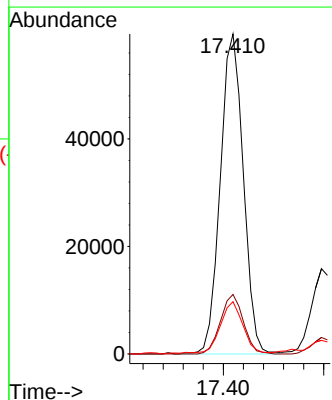
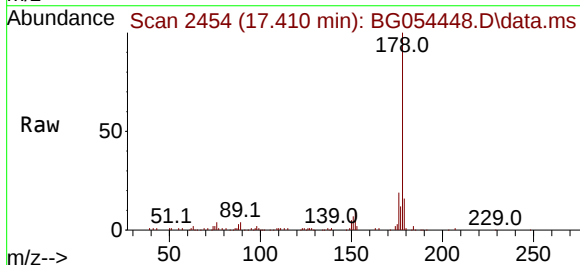
Instrument :
BNA_G
ClientSampleId :
RVE-2

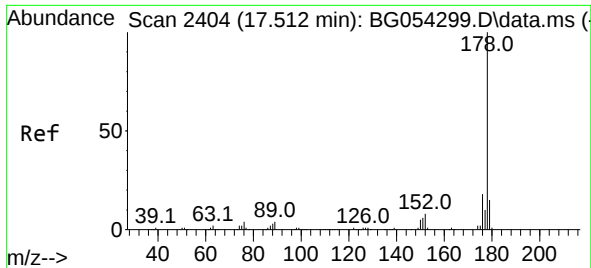
Tgt Ion:248 Resp: 6524
Ion Ratio Lower Upper
248 100
250 182.6 75.2 112.8#
141 315.2 50.0 75.0#



#71
Phenanthrene
Concen: 15.365 ng
RT: 17.410 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion:178 Resp: 94552
Ion Ratio Lower Upper
178 100
176 18.6 14.1 21.1
179 16.3 12.1 18.1

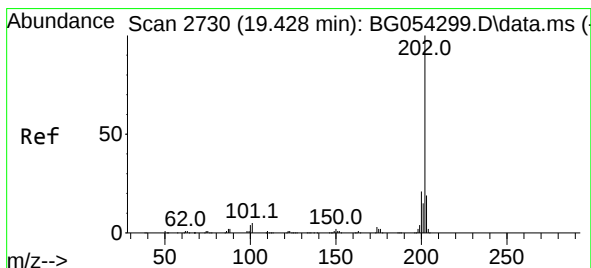
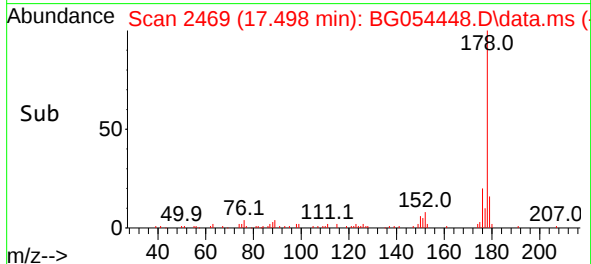
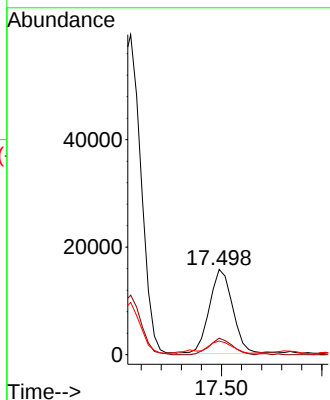
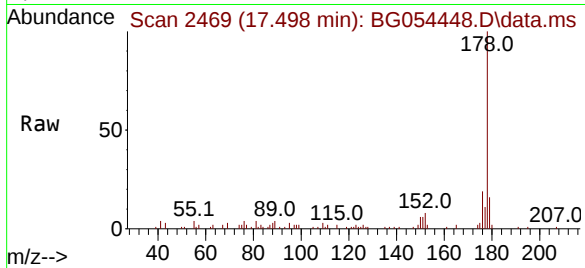




#72
 Anthracene
 Concen: 4.198 ng
 RT: 17.498 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: BG054448.D
 Acq: 29 Jul 2022 14:06

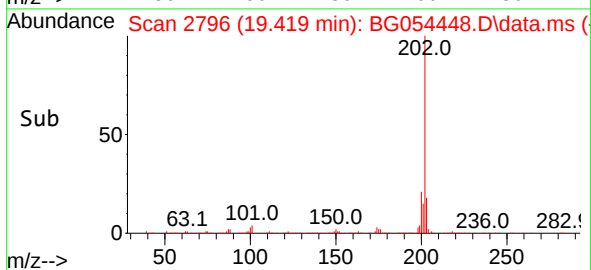
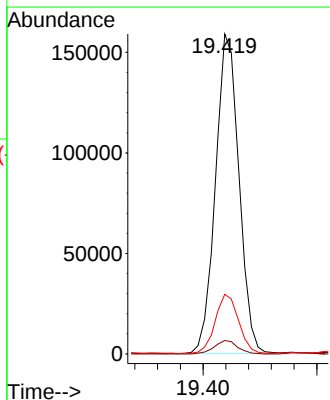
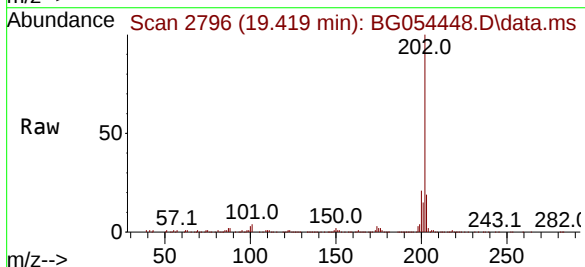
Instrument :
 BNA_G
 ClientSampleId :
 RVE-2

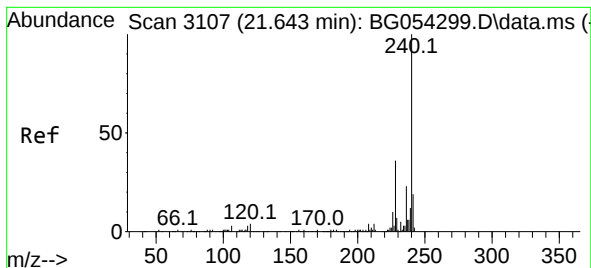
Tgt Ion:178 Resp: 25353
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.2 22.8
 179 15.9 13.0 19.4



#75
 Fluoranthene
 Concen: 27.204 ng
 RT: 19.419 min Scan# 2796
 Delta R.T. -0.003 min
 Lab File: BG054448.D
 Acq: 29 Jul 2022 14:06

Tgt Ion:202 Resp: 228203
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 18.6 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.634 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

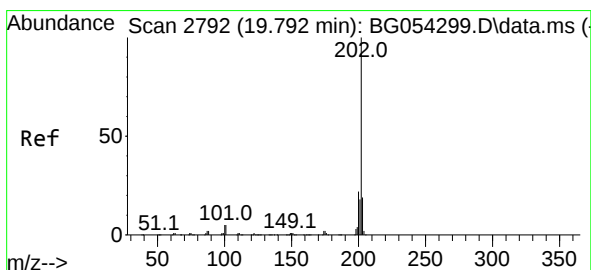
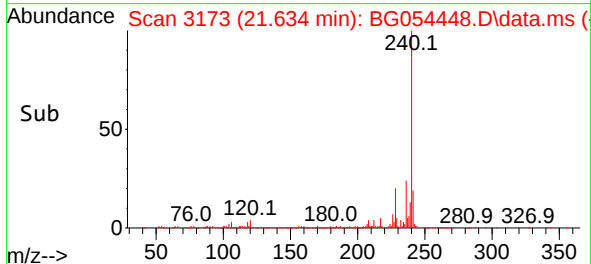
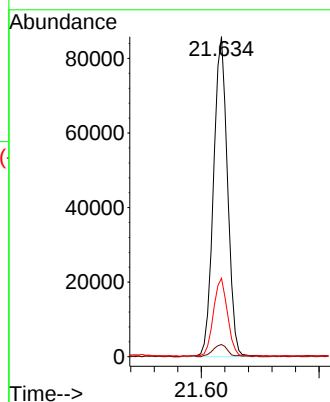
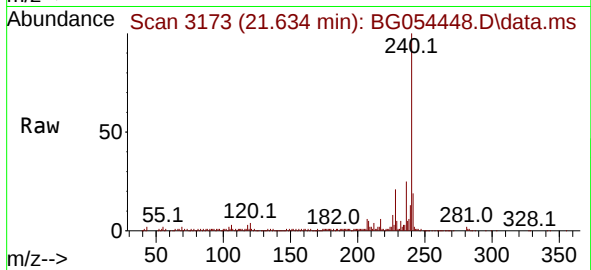
Tgt Ion:240 Resp: 142204

Ion Ratio Lower Upper

240 100

120 3.8 4.6 7.0#

236 24.5 20.2 30.4



#78

Pyrene

Concen: 26.283 ng

RT: 19.783 min Scan# 2858

Delta R.T. -0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

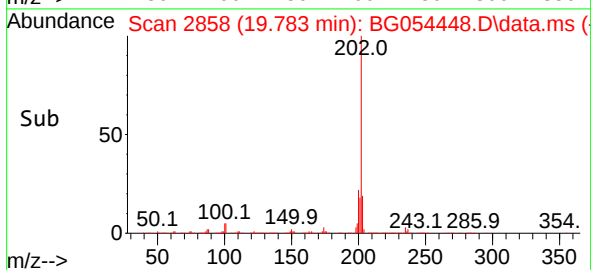
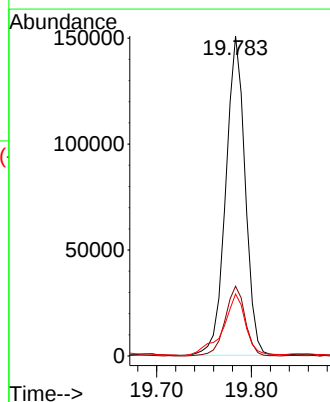
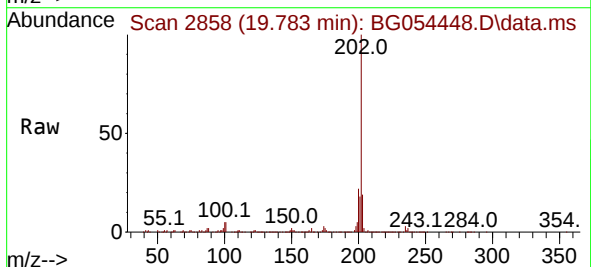
Tgt Ion:202 Resp: 214459

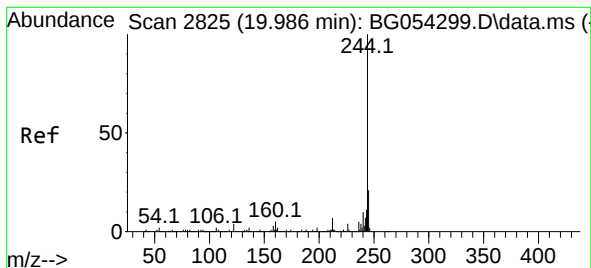
Ion Ratio Lower Upper

202 100

200 21.8 16.6 24.8

203 19.3 14.6 21.8





#79

Terphenyl-d14

Concen: 67.342 ng

RT: 19.977 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

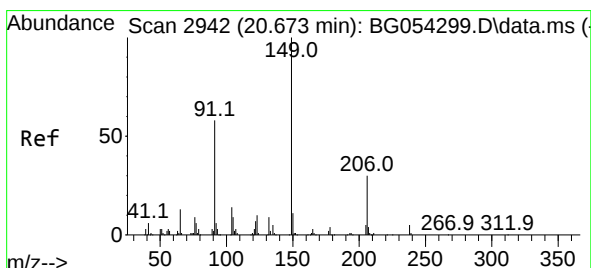
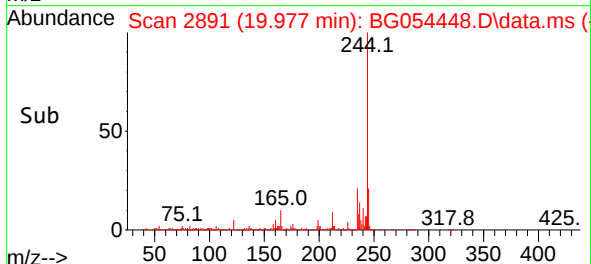
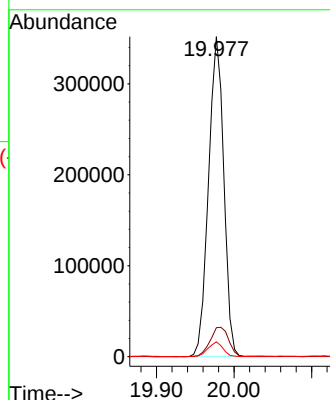
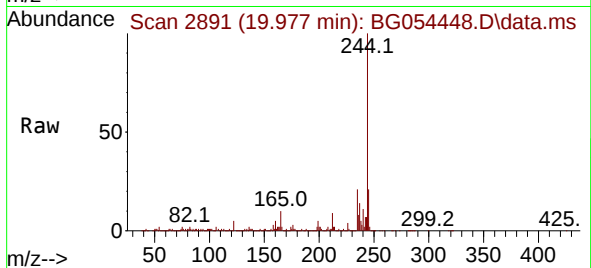
Tgt Ion:244 Resp: 482727

Ion Ratio Lower Upper

244 100

212 9.1 6.5 9.7

122 4.7 5.0 7.4#



#80

Butylbenzylphthalate

Concen: 4.004 ng

RT: 20.394 min Scan# 2962

Delta R.T. -0.267 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

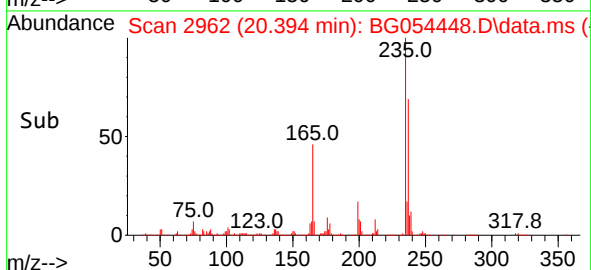
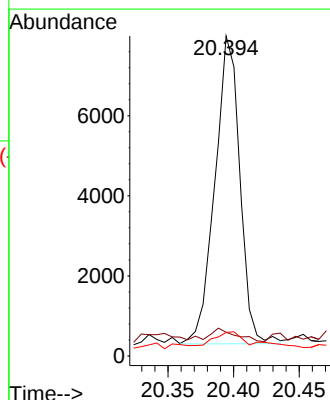
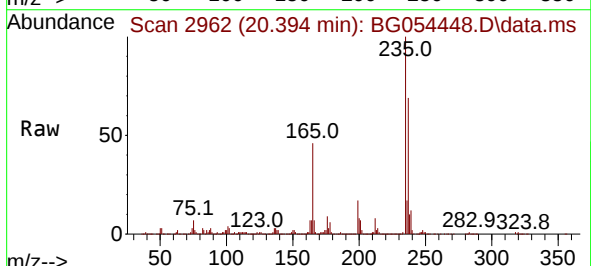
Tgt Ion:149 Resp: 10181

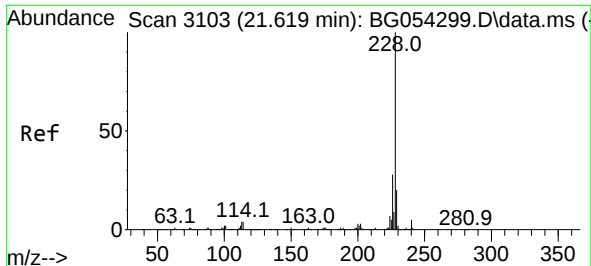
Ion Ratio Lower Upper

149 100

91 7.4 59.6 89.4#

206 7.3 18.6 28.0#

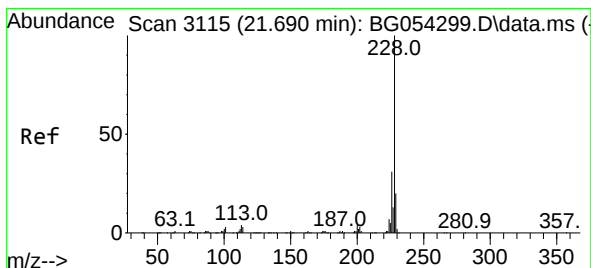
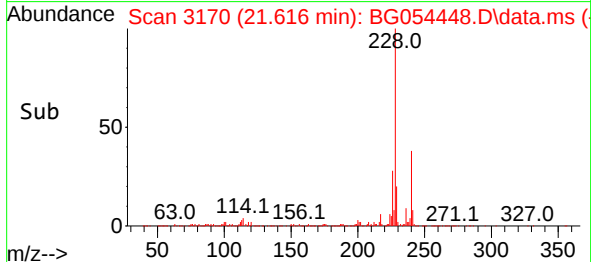
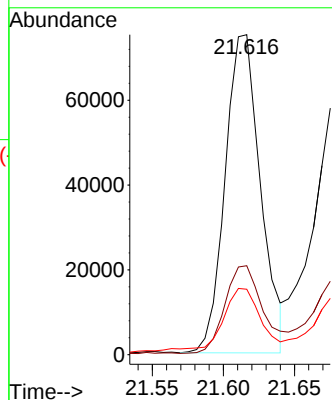
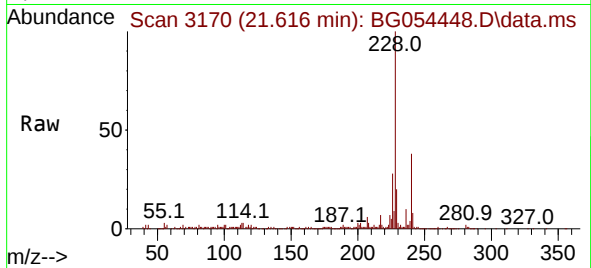




#81
Benzo(a)anthracene
Concen: 14.406 ng
RT: 21.616 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

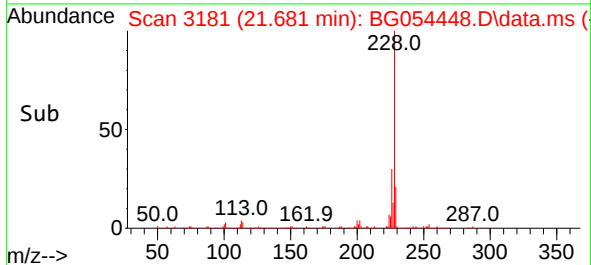
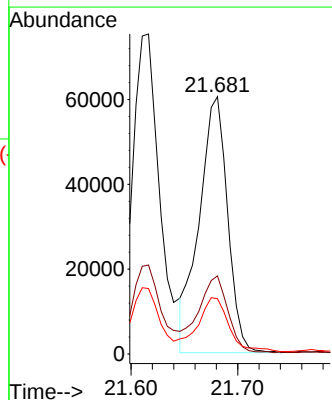
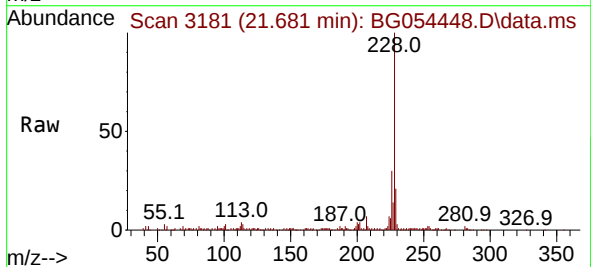
Instrument :
BNA_G
ClientSampleId :
RVE-2

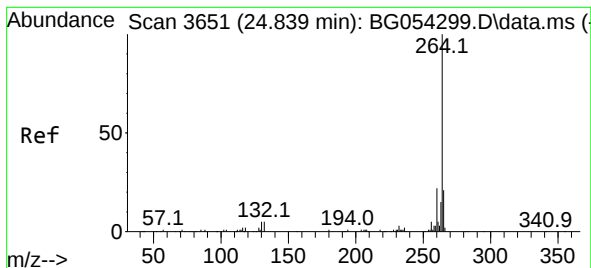
Tgt Ion:228 Resp: 130039
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 20.5 16.2 24.2



#83
Chrysene
Concen: 13.140 ng
RT: 21.681 min Scan# 3181
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion:228 Resp: 112067
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 21.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.836 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

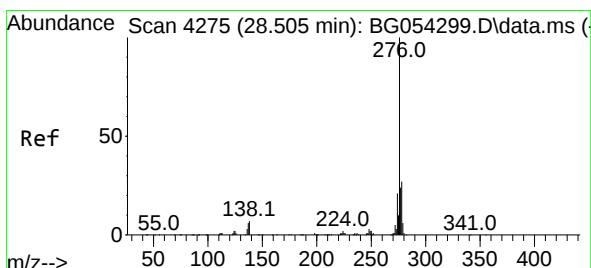
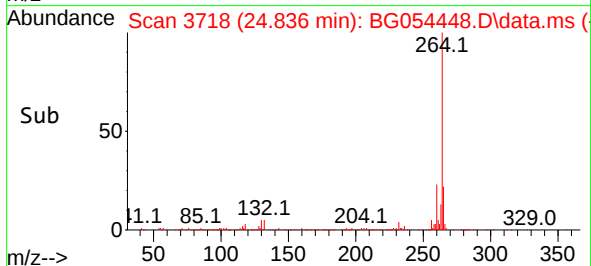
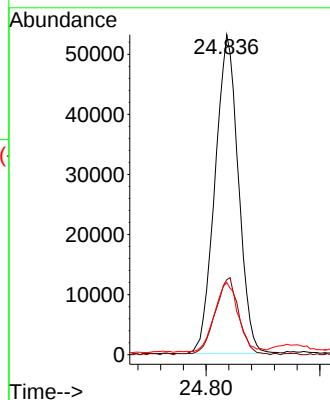
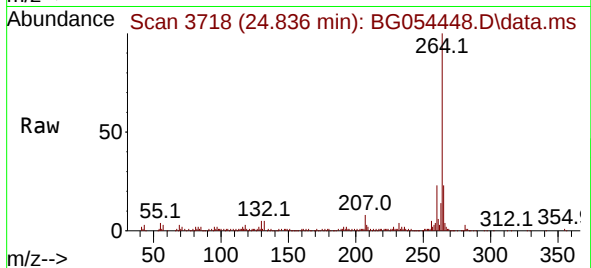
Tgt Ion:264 Resp: 151566

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 22.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.548 ng

RT: 28.508 min Scan# 4343

Delta R.T. -0.009 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

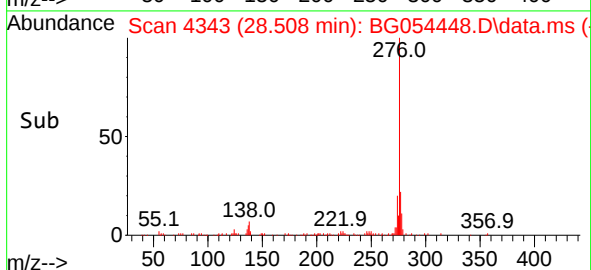
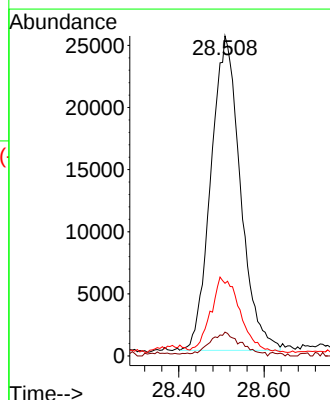
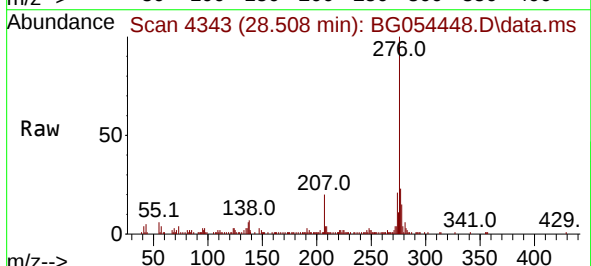
Tgt Ion:276 Resp: 121620

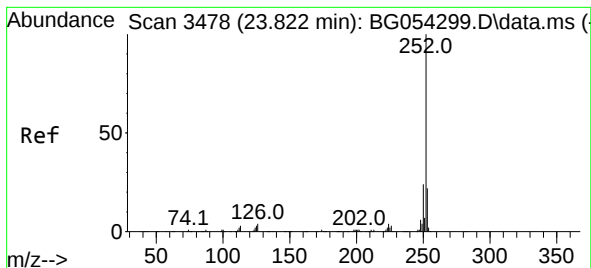
Ion Ratio Lower Upper

276 100

138 8.3 5.0 7.4#

277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 20.221 ng

RT: 23.826 min Scan# 3546

Delta R.T. 0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

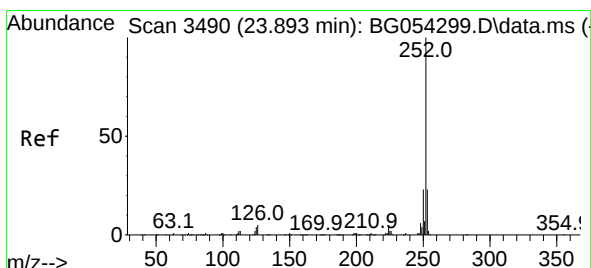
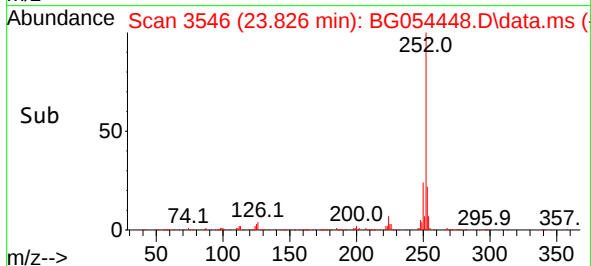
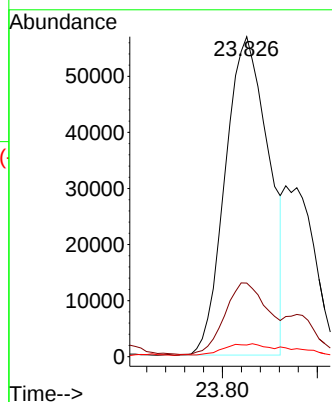
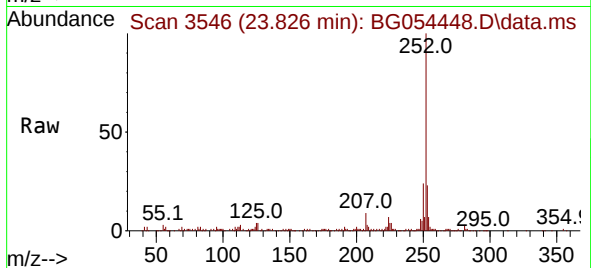
Tgt Ion:252 Resp: 181253

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 3.6 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 20.356 ng

RT: 23.826 min Scan# 3546

Delta R.T. -0.062 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

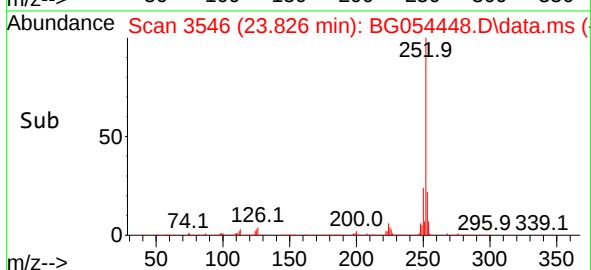
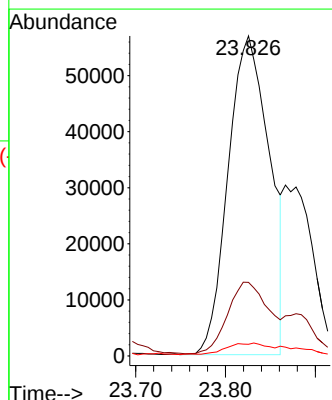
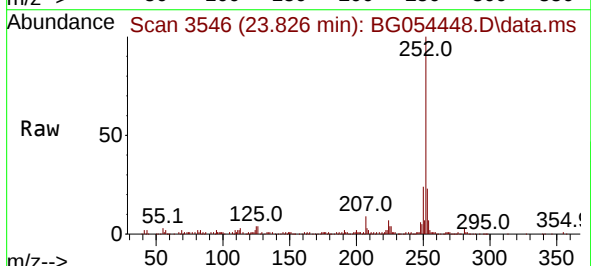
Tgt Ion:252 Resp: 181586

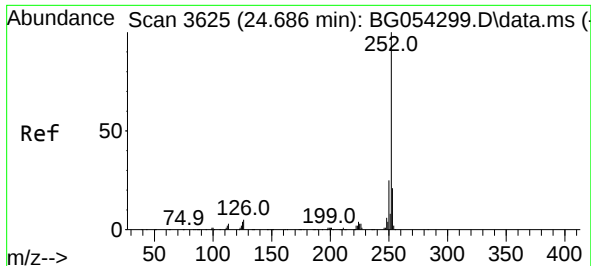
Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

125 3.6 4.8 7.2#

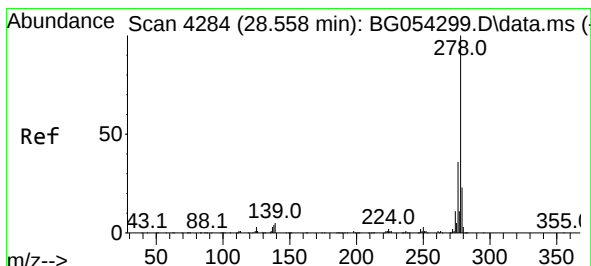
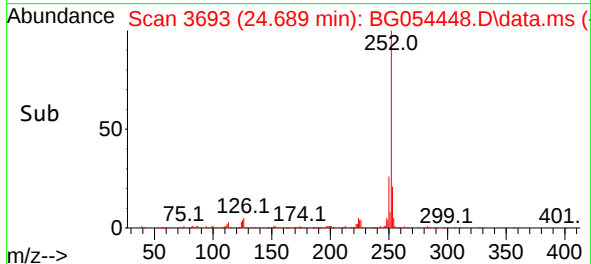
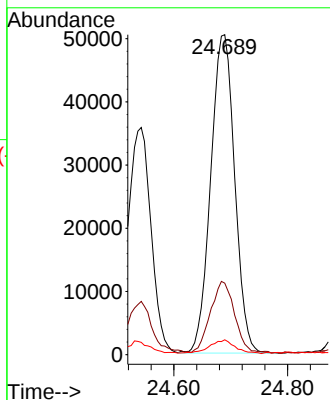
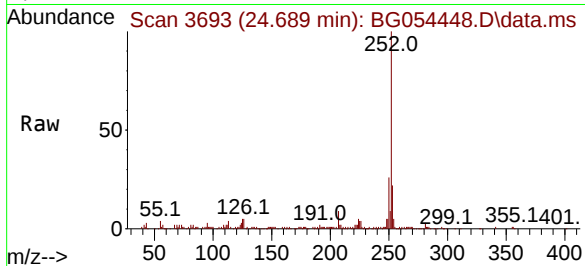




#90
Benzo(a)pyrene
Concen: 19.287 ng
RT: 24.689 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

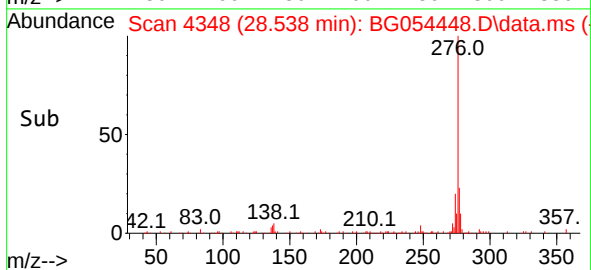
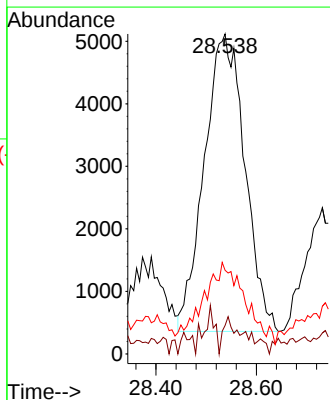
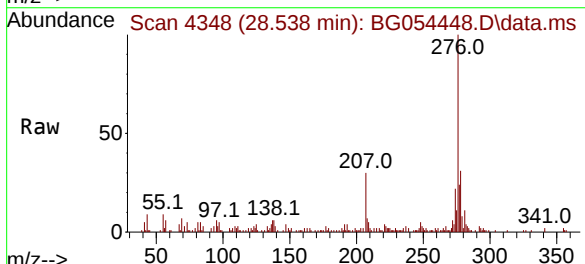
Instrument :
BNA_G
ClientSampleId :
RVE-2

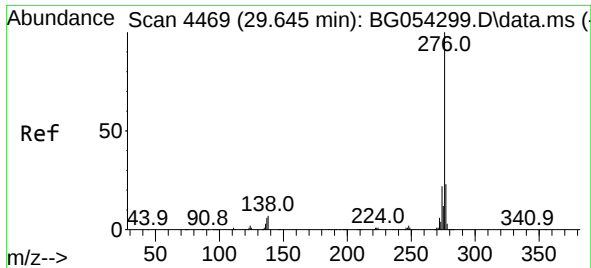
Tgt Ion:252 Resp: 147641
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 4.6 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.812 ng
RT: 28.538 min Scan# 4348
Delta R.T. -0.027 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion:278 Resp: 26657
Ion Ratio Lower Upper
278 100
139 8.9 7.2 10.8
279 26.2 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 13.257 ng
 RT: 29.660 min Scan# 4
 Delta R.T. -0.003 min
 Lab File: BG054448.D
 Acq: 29 Jul 2022 14:06

Instrument :
 BNA_G
 ClientSampleId :
 RVE-2

Tgt Ion:276 Resp: 124058
 Ion Ratio Lower Upper
 276 100
 277 25.1 17.3 25.9
 138 9.0 9.6 14.4#

