

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054549.D
 Acq On : 8 Aug 2022 11:56
 Operator : CG/JU
 Sample : N3961-20RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-186

Quant Time: Aug 08 14:51:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

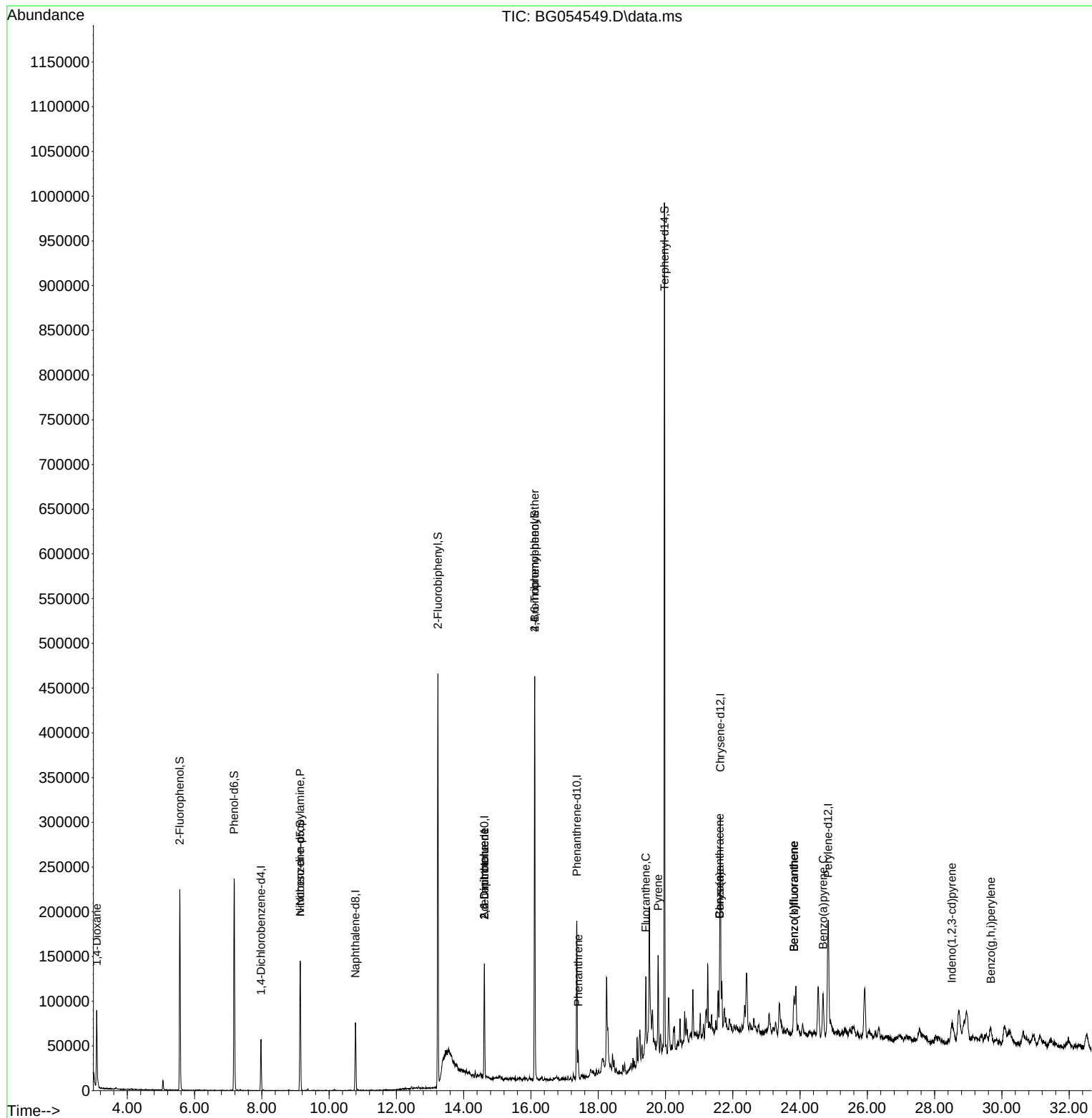
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	17172	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	69543	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	49059	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	127707	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	152095	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	160119	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	102107	124.148	ng	0.00
7) Phenol-d6	7.177	99	137883	122.348	ng	0.00
23) Nitrobenzene-d5	9.140	82	90208	70.639	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	117633	114.201	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	259481	74.614	ng	0.00
79) Terphenyl-d14	19.974	244	541148	70.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.094	88	971	2.968	ng	# 1
9) Benzaldehyde	7.113	77	59	Below Cal		# 40
19) n-Nitroso-di-n-propyla...	9.140	70	13341	17.727	ng	# 77
51) 2,6-Dinitrotoluene	14.616	165	6600	7.852	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	6600	5.478	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6988	3.896	ng	# 1
71) Phenanthrene	17.407	178	22498	3.538	ng	98
75) Fluoranthene	19.416	202	51120	5.897	ng	93
78) Pyrene	19.780	202	75909	8.698	ng	99
81) Benzo(a)anthracene	21.607	228	40566	4.202	ng	99
83) Chrysene	21.607	228	40566	4.447	ng	97
87) Indeno(1,2,3-cd)pyrene	28.511	276	36933	3.032	ng	# 77
88) Benzo(b)fluoranthene	23.823	252	58745	6.204	ng	98
89) Benzo(k)fluoranthene	23.823	252	58745	6.234	ng	98
90) Benzo(a)pyrene	24.686	252	46693	5.774	ng	98
92) Benzo(g,h,i)perylene	29.674	276	43912	4.442	ng	# 93

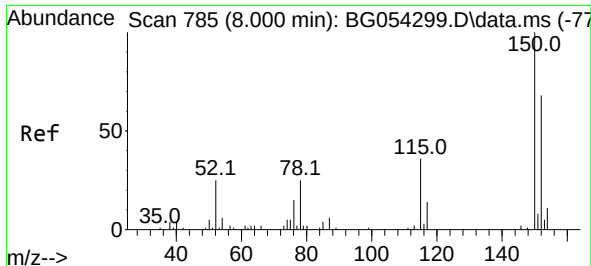
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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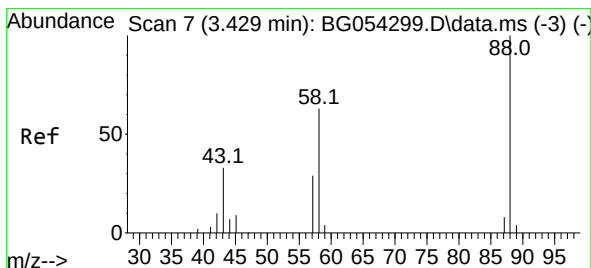
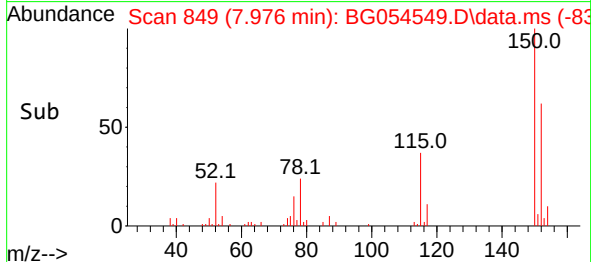
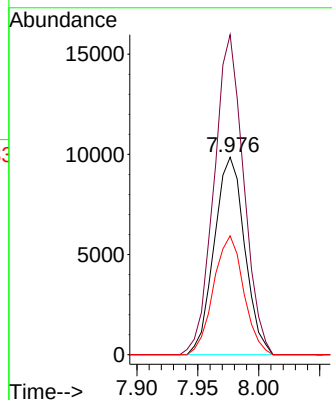
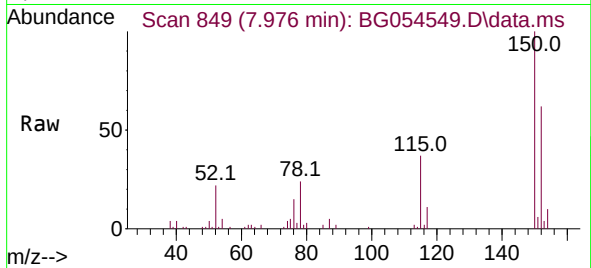




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.976 min Scan# 84
 Delta R.T. 0.004 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

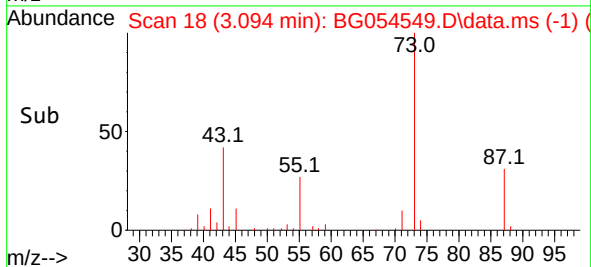
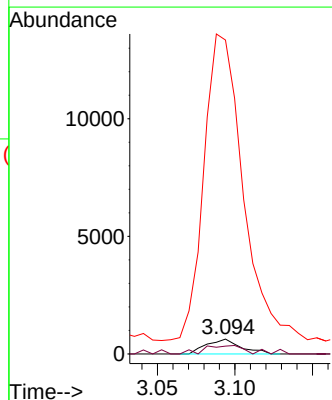
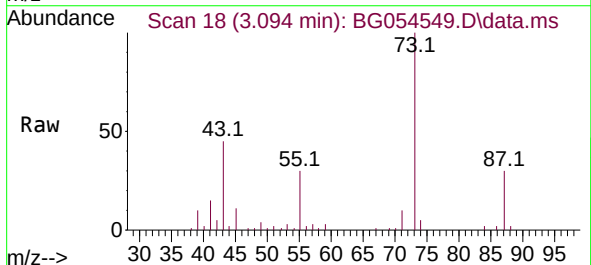
Instrument :
 BNA_G
 ClientSampleId :
 RVE-186

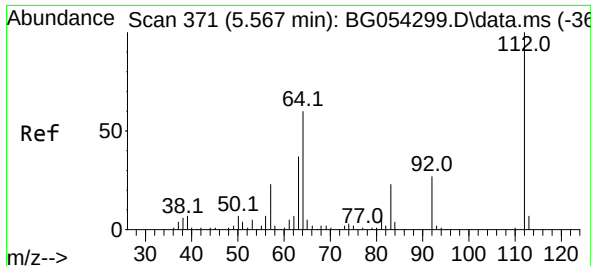
Tgt Ion:152 Resp: 17172
 Ion Ratio Lower Upper
 152 100
 150 162.1 131.6 197.4
 115 60.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.968 ng
 RT: 3.094 min Scan# 18
 Delta R.T. -0.301 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

Tgt Ion: 88 Resp: 971
 Ion Ratio Lower Upper
 88 100
 58 62.0 59.2 88.8
 43 2446.9 24.3 36.5#

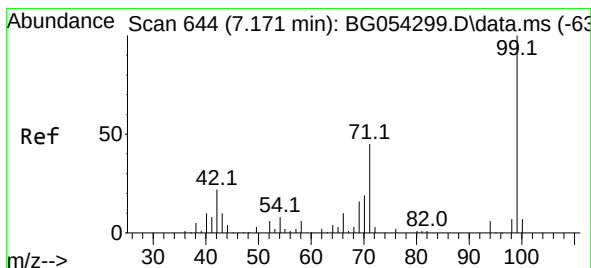
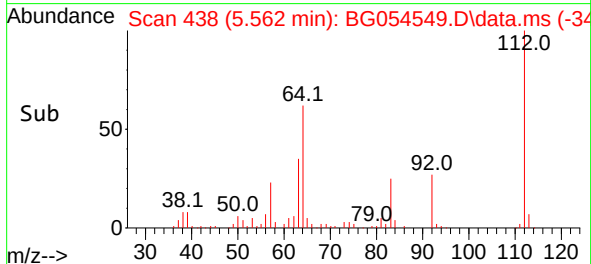
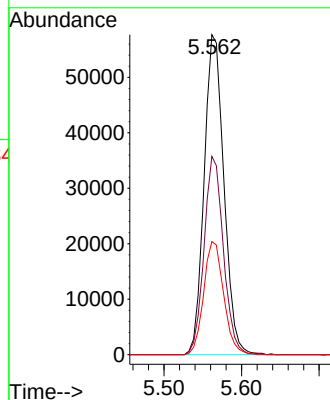
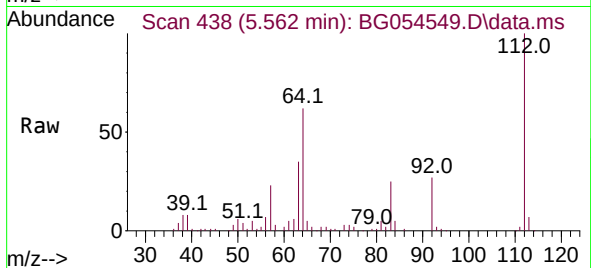




#5
2-Fluorophenol
Concen: 124.148 ng
RT: 5.562 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

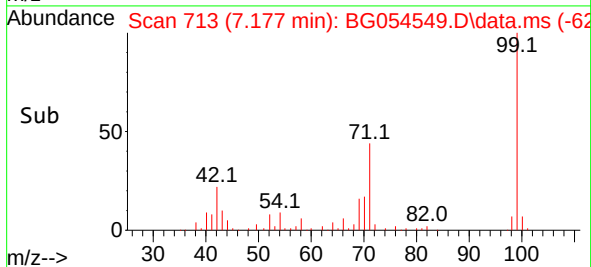
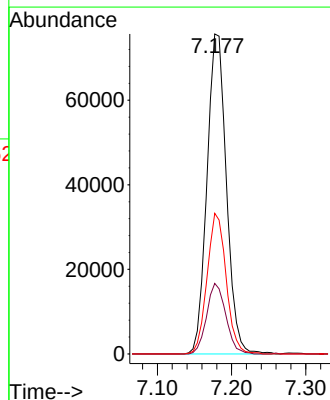
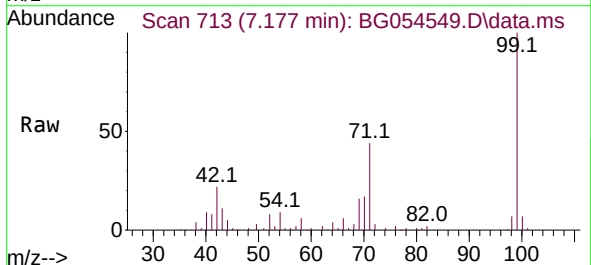
Instrument :
BNA_G
ClientSampleId :
RVE-186

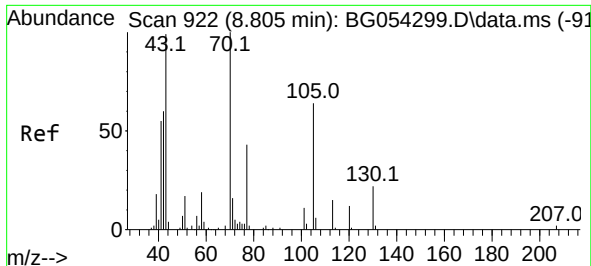
Tgt Ion:112 Resp: 102107
Ion Ratio Lower Upper
112 100
64 62.0 55.1 82.7
63 35.3 30.4 45.6



#7
Phenol-d6
Concen: 122.348 ng
RT: 7.177 min Scan# 713
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Tgt Ion: 99 Resp: 137883
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 44.0 33.8 50.8

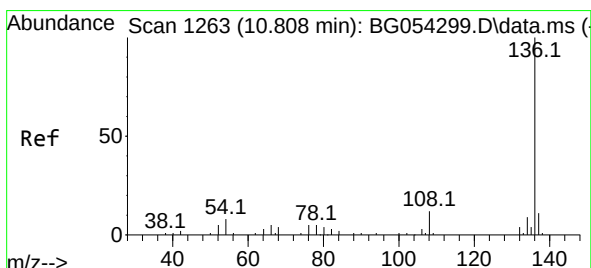
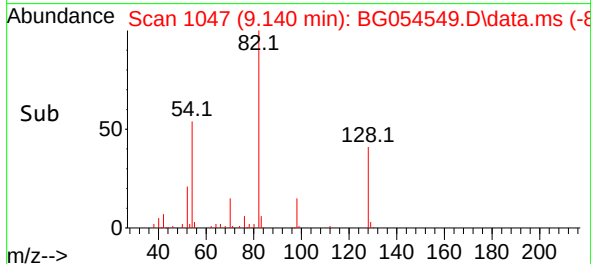
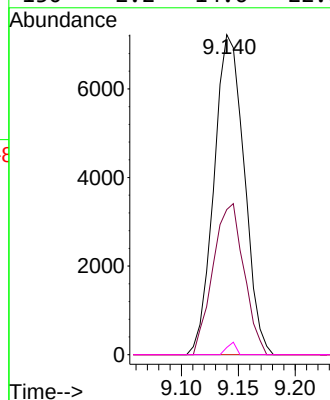
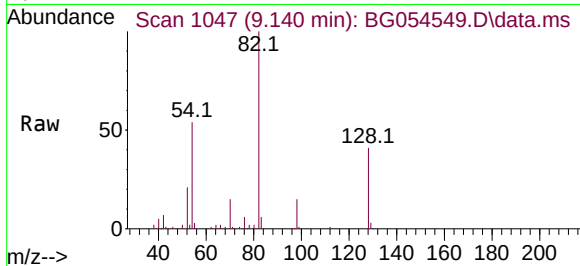




#19
n-Nitroso-di-n-propylamine
Concen: 17.727 ng
RT: 9.140 min Scan# 1047
Delta R.T. 0.357 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

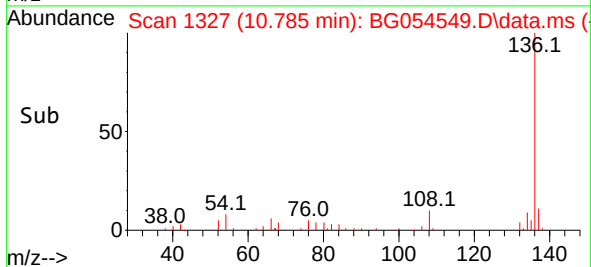
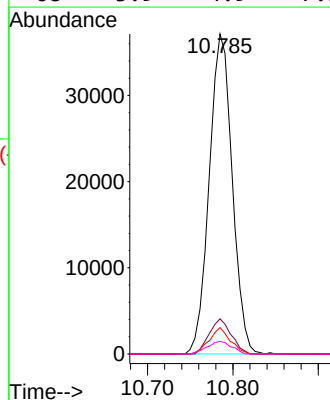
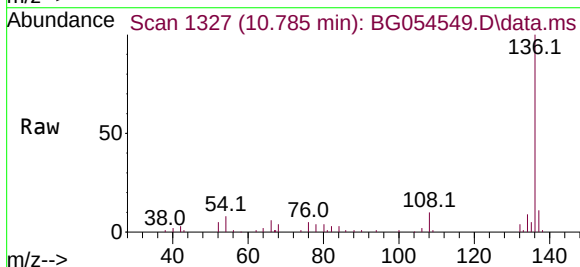
Instrument :
BNA_G
ClientSampleId :
RVE-186

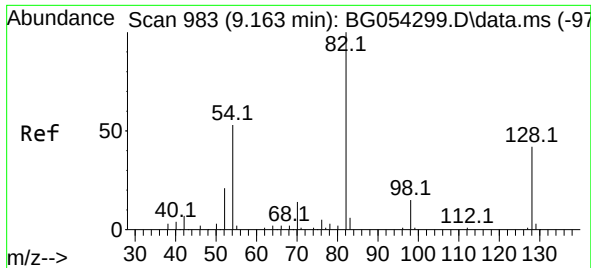
Tgt Ion: 70	Resp: 13341
Ion Ratio	Lower Upper
70 100	
42 45.4	47.3 70.9#
101 0.0	7.0 10.4#
130 2.2	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Tgt Ion: 136	Resp: 69543
Ion Ratio	Lower Upper
136 100	
137 11.0	8.5 12.7
54 8.3	7.4 11.2
68 3.9	4.9 7.3#

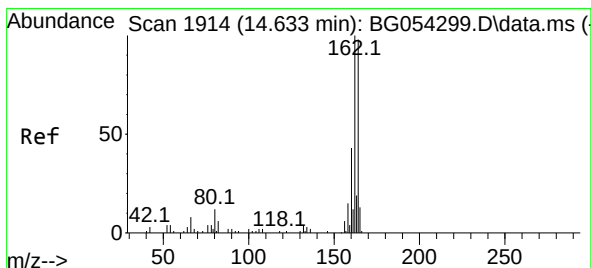
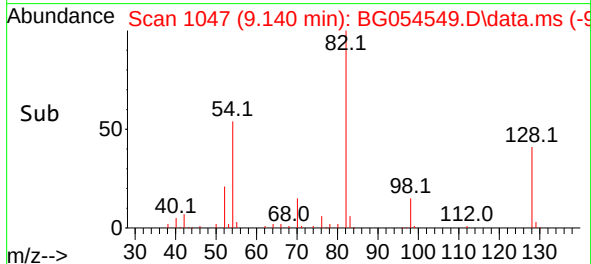
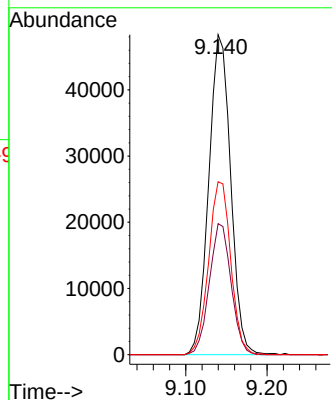
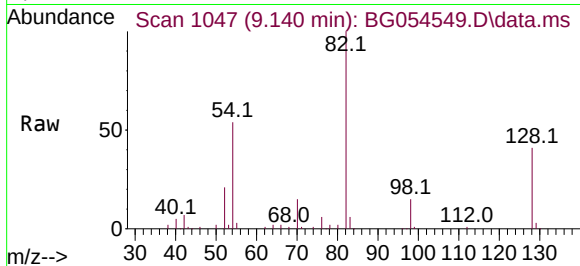




#23
Nitrobenzene-d5
Concen: 70.639 ng
RT: 9.140 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

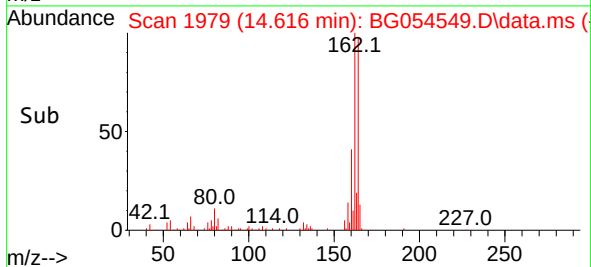
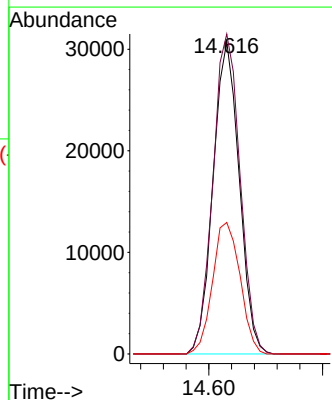
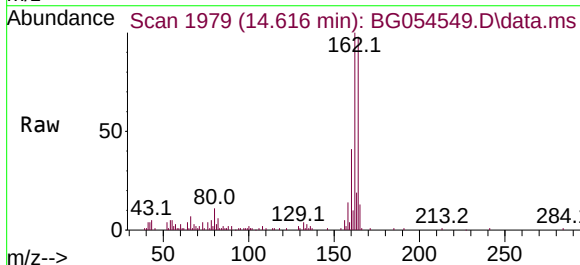
Instrument :
BNA_G
ClientSampleId :
RVE-186

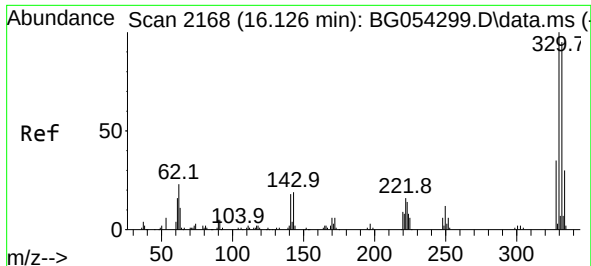
Tgt Ion: 82 Resp: 90208
Ion Ratio Lower Upper
82 100
128 40.9 27.9 41.9
54 54.1 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Tgt Ion:164 Resp: 49059
Ion Ratio Lower Upper
164 100
162 102.5 82.3 123.5
160 42.1 34.2 51.2

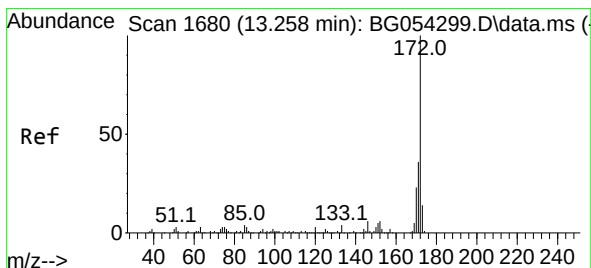
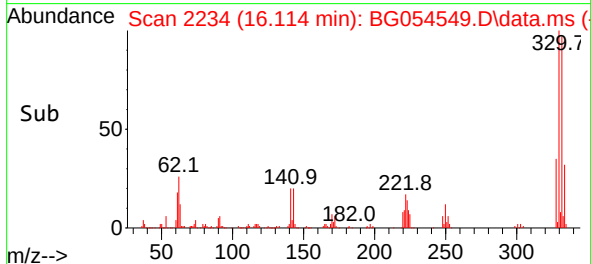
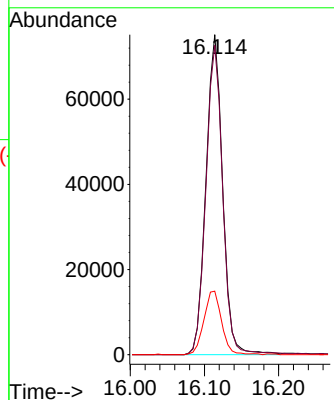
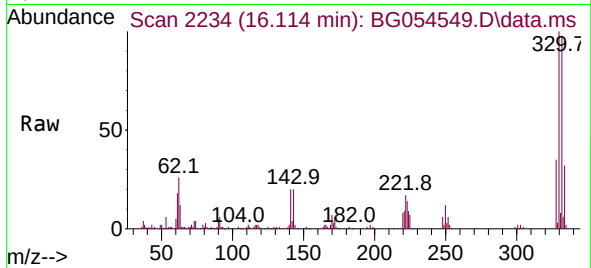




#42
 2,4,6-Tribromophenol
 Concen: 114.201 ng
 RT: 16.114 min Scan# 2168
 Delta R.T. -0.002 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

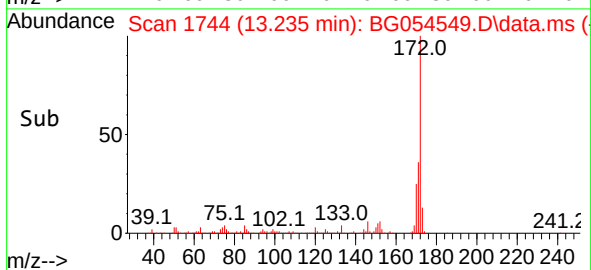
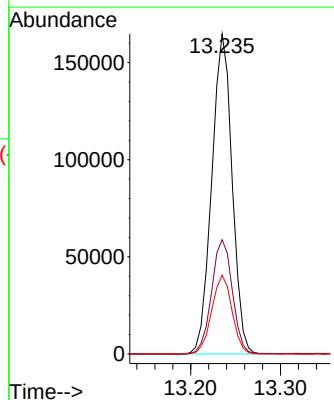
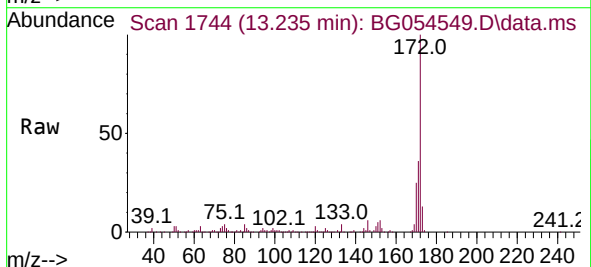
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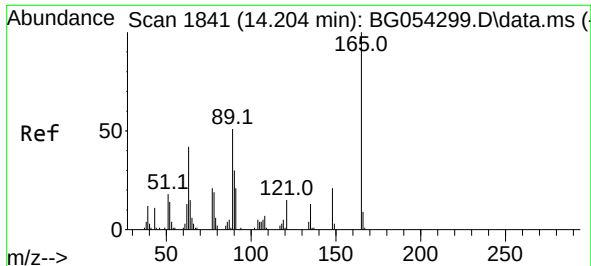
Tgt Ion:330 Resp: 117633
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.0 114.0
 141 21.0 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 74.614 ng
 RT: 13.235 min Scan# 1744
 Delta R.T. -0.002 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

Tgt Ion:172 Resp: 259481
 Ion Ratio Lower Upper
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 171 35.7 28.5 42.7
 170 24.6 18.9 28.3

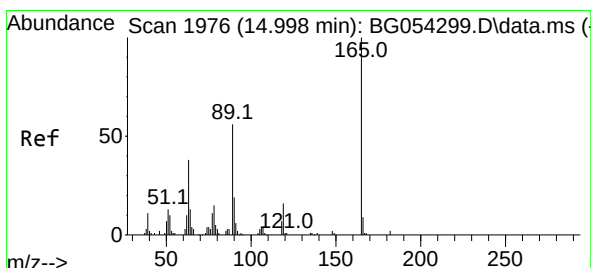
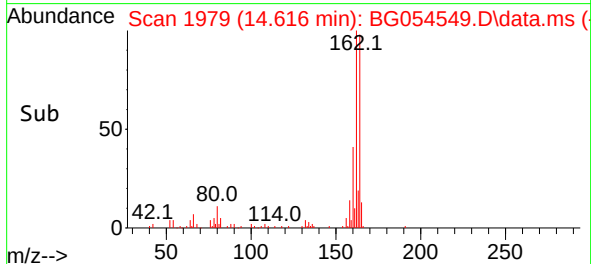
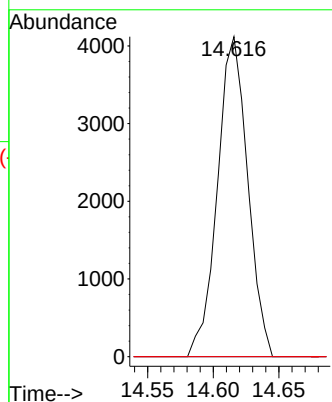
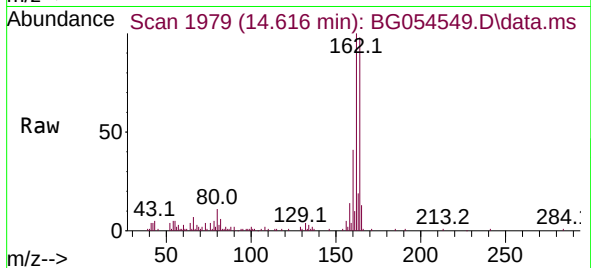




#51
2,6-Dinitrotoluene
Concen: 7.852 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.421 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

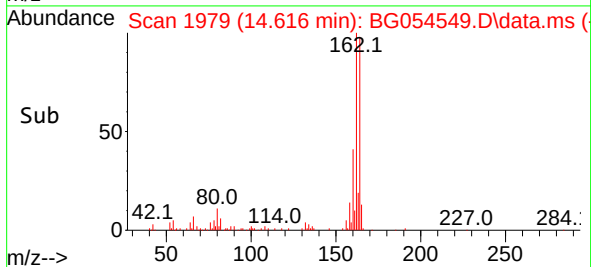
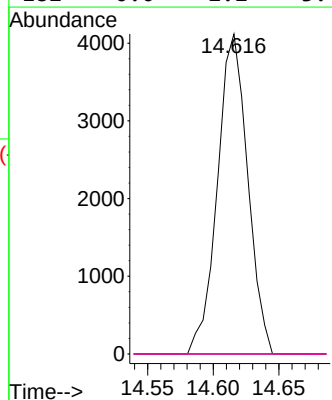
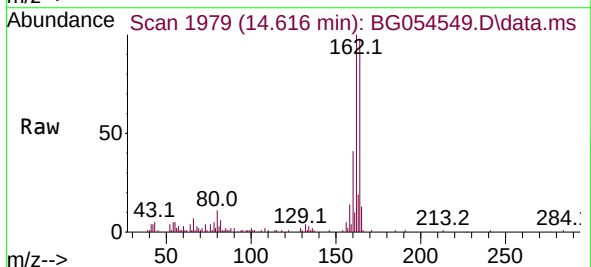
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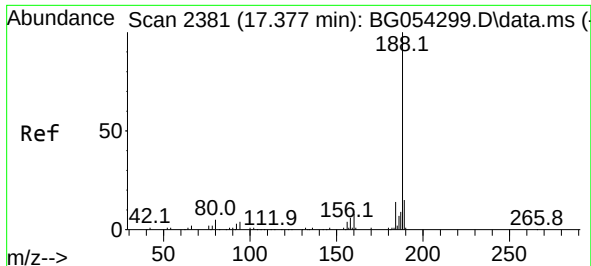
Tgt Ion:165 Resp: 6600
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.478 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.378 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Tgt Ion:165 Resp: 6600
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#

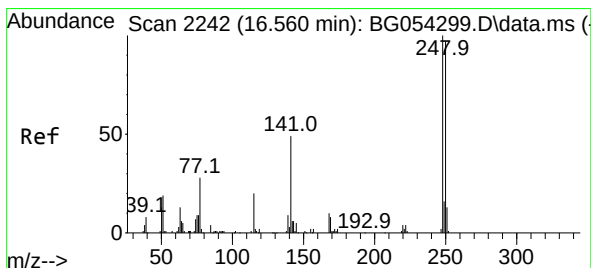
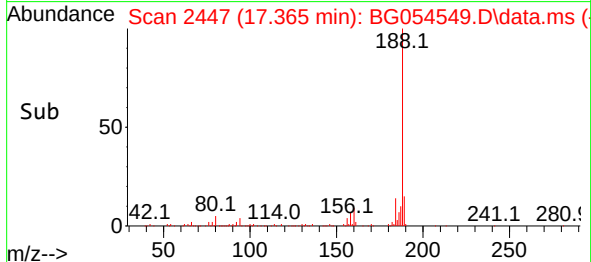
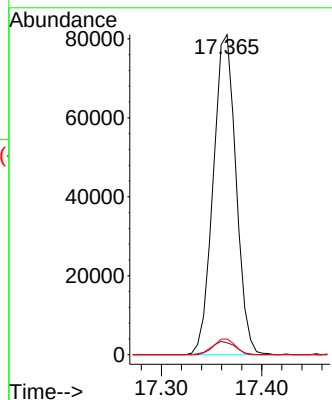
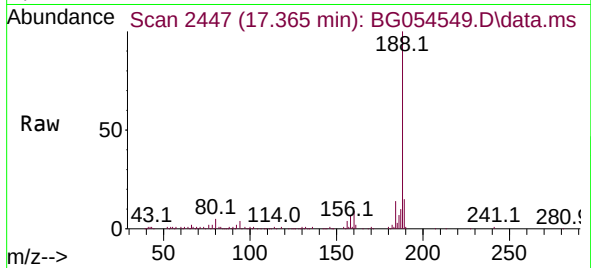




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

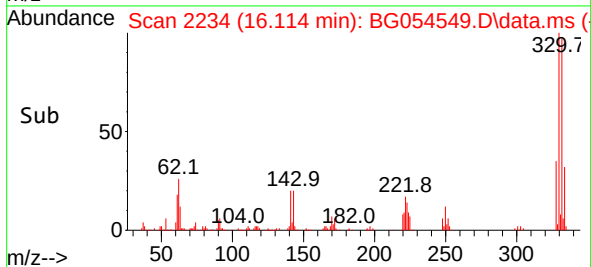
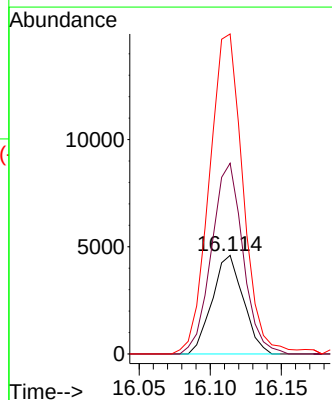
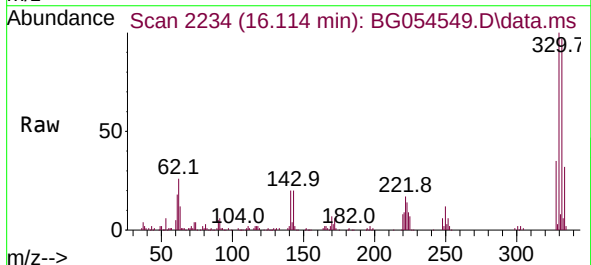
Instrument :
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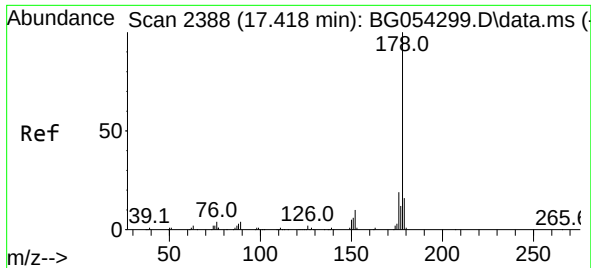
Tgt Ion:188 Resp: 127707
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 4.9 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.896 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.431 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Tgt Ion:248 Resp: 6988
Ion Ratio Lower Upper
248 100
250 193.6 75.2 112.8#
141 324.9 50.0 75.0#

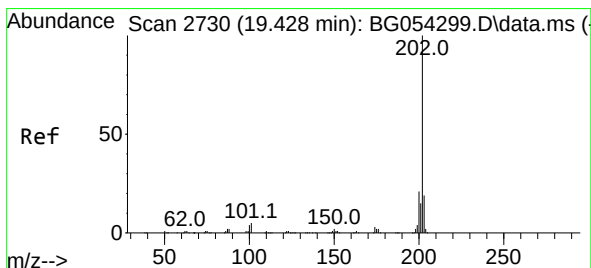
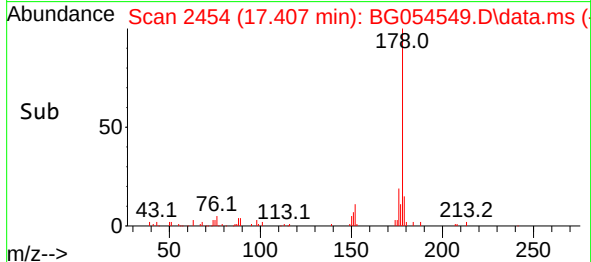
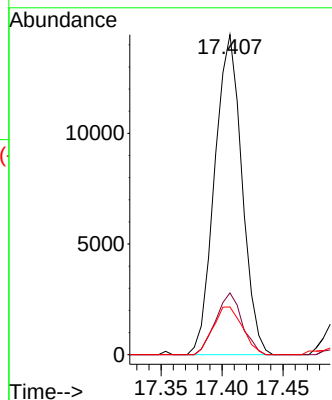
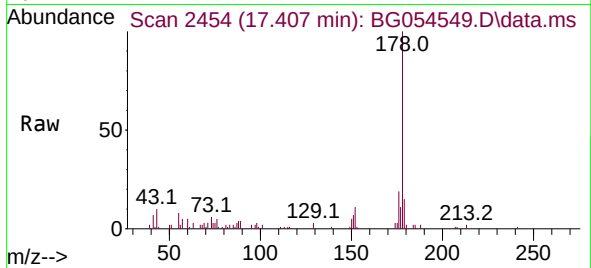




#71
Phenanthrene
Concen: 3.538 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

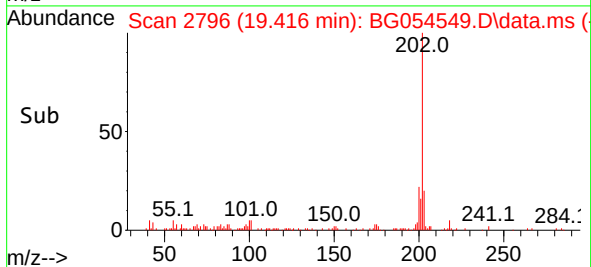
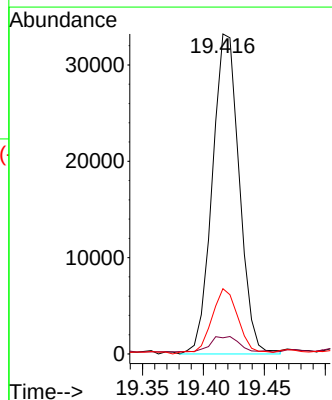
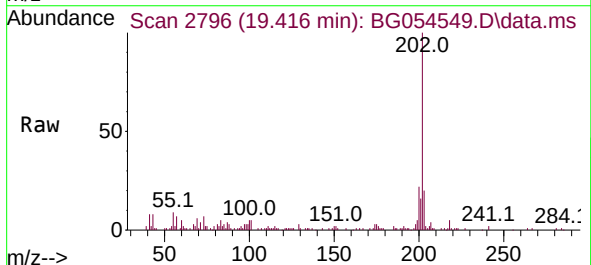
Instrument :
BNA_G
ClientSampleId :
RVE-186

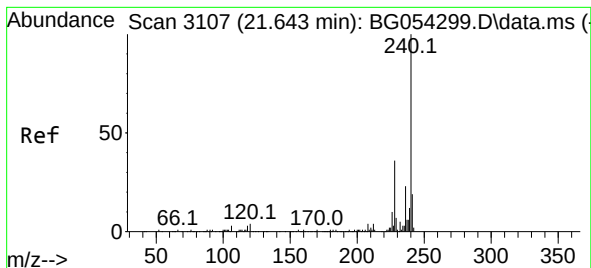
Tgt Ion:178 Resp: 22498
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 14.9 12.1 18.1



#75
Fluoranthene
Concen: 5.897 ng
RT: 19.416 min Scan# 2796
Delta R.T. -0.002 min
Lab File: BG054549.D
Acq: 8 Aug 2022 11:56

Tgt Ion:202 Resp: 51120
Ion Ratio Lower Upper
202 100
101 5.0 0.0 26.9
203 20.4 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.631 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

Instrument :

BNA_G

ClientSampleId :

RVE-186

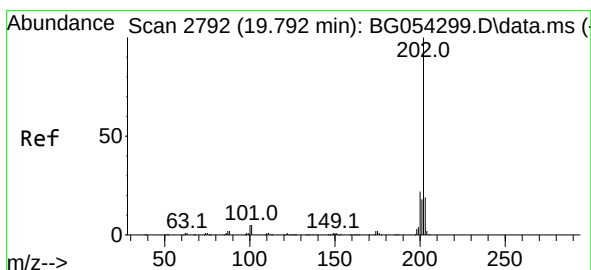
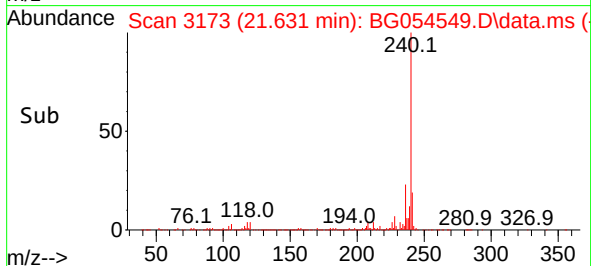
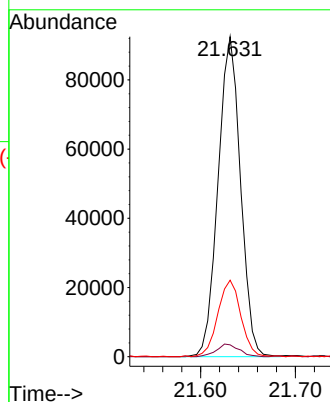
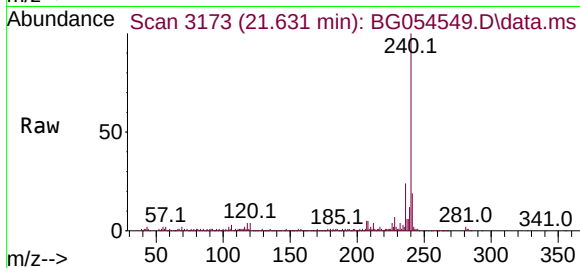
Tgt Ion:240 Resp: 152095

Ion Ratio Lower Upper

240 100

120 3.7 4.6 7.0#

236 23.9 20.2 30.4



#78

Pyrene

Concen: 8.698 ng

RT: 19.780 min Scan# 2858

Delta R.T. -0.002 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

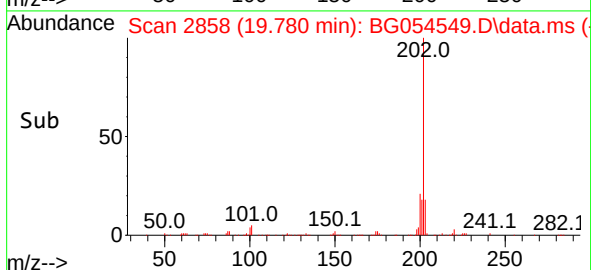
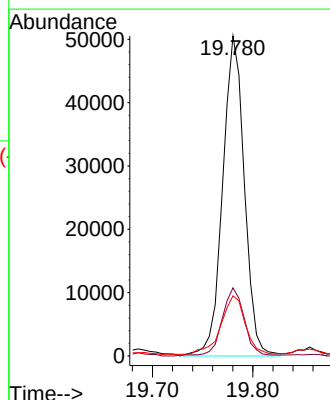
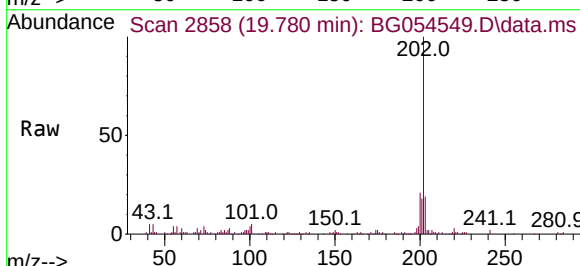
Tgt Ion:202 Resp: 75909

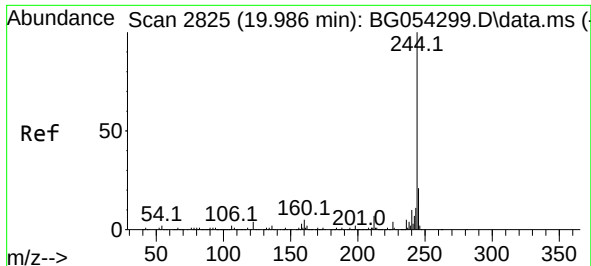
Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

203 18.8 14.6 21.8

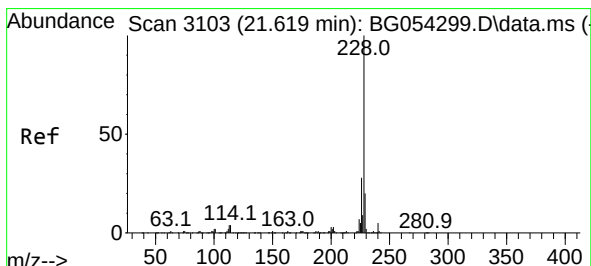
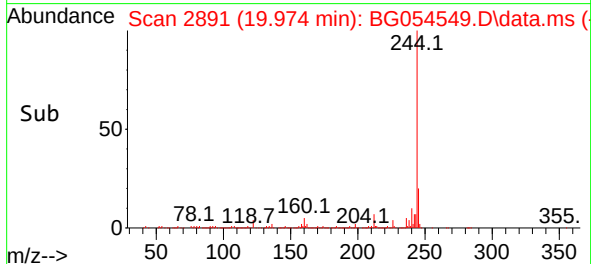
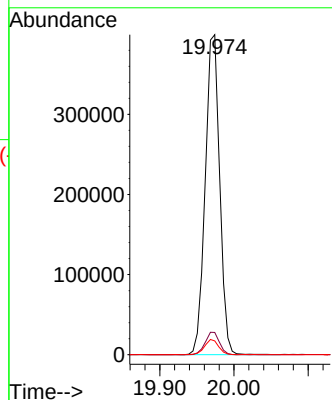
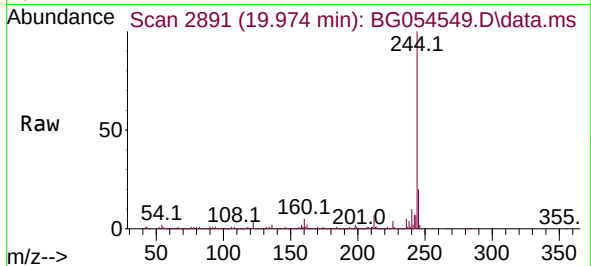




#79
 Terphenyl-d14
 Concen: 70.583 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. 0.004 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

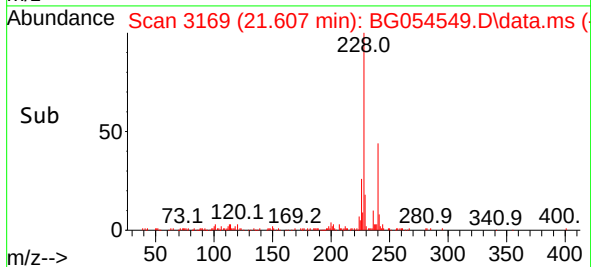
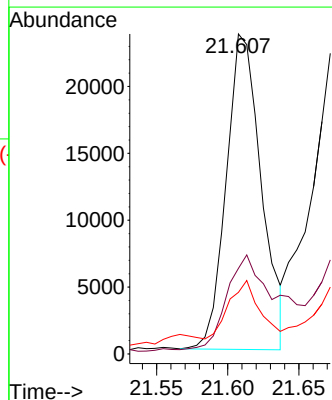
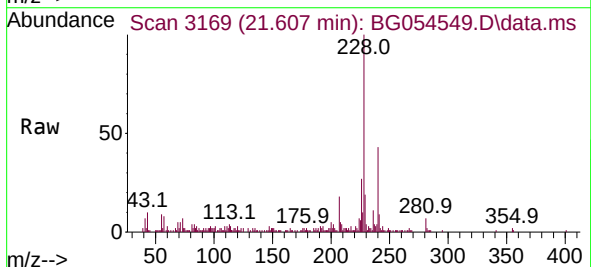
Instrument :
 BNA_G
 ClientSampleId :
 RVE-186

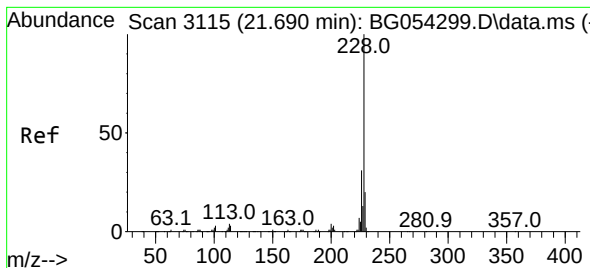
Tgt Ion:244 Resp: 541148
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.3 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 4.202 ng
 RT: 21.607 min Scan# 3169
 Delta R.T. -0.008 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

Tgt Ion:228 Resp: 40566
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.6 32.4
 229 19.2 16.2 24.2





#83

Chrysene

Concen: 4.447 ng

RT: 21.607 min Scan# 3115

Delta R.T. -0.072 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

Instrument :

BNA_G

ClientSampleId :

RVE-186

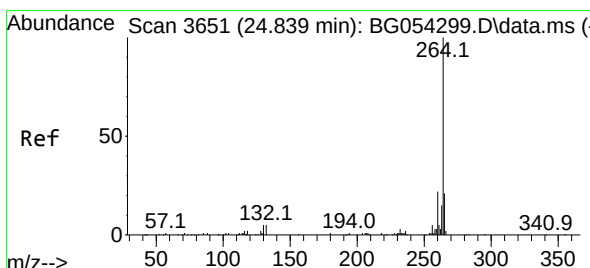
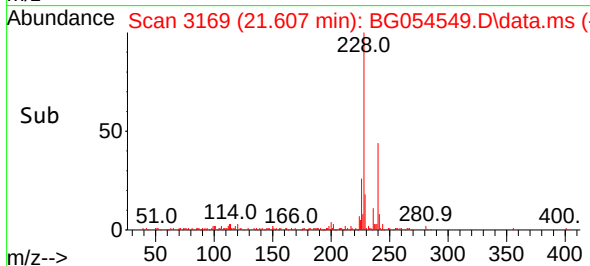
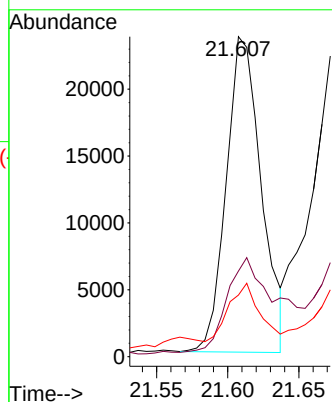
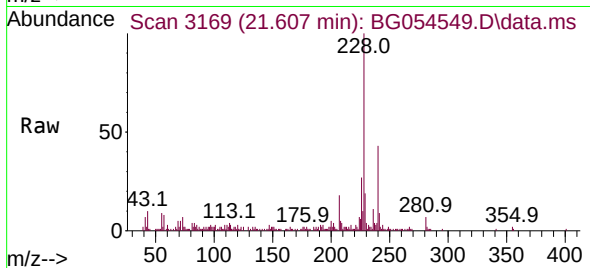
Tgt Ion:228 Resp: 40566

Ion Ratio Lower Upper

228 100

226 26.8 23.4 35.2

229 19.2 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.833 min Scan# 3718

Delta R.T. -0.002 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

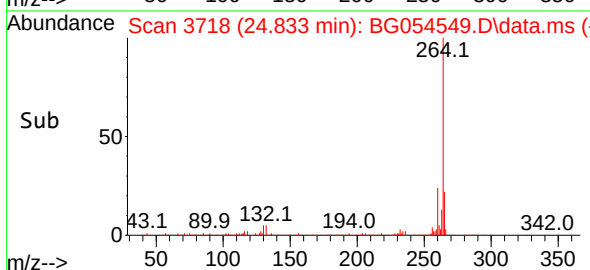
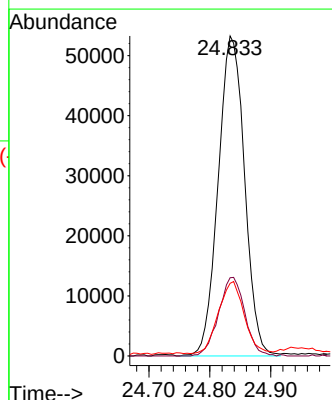
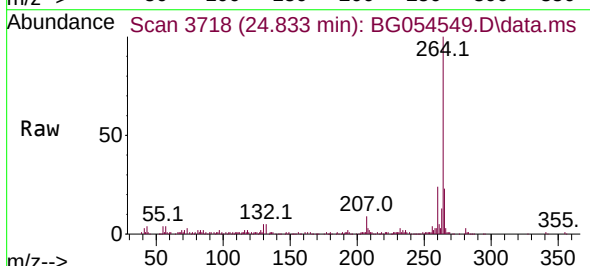
Tgt Ion:264 Resp: 160119

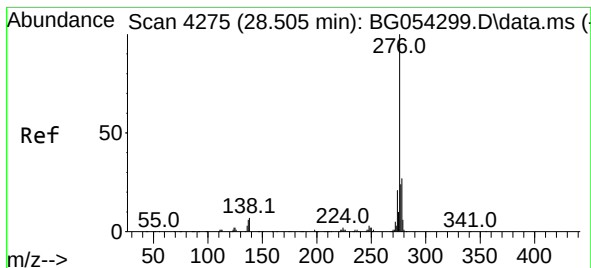
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.032 ng

RT: 28.511 min Scan# 41

Delta R.T. -0.019 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

Instrument :

BNA_G

ClientSampleId :

RVE-186

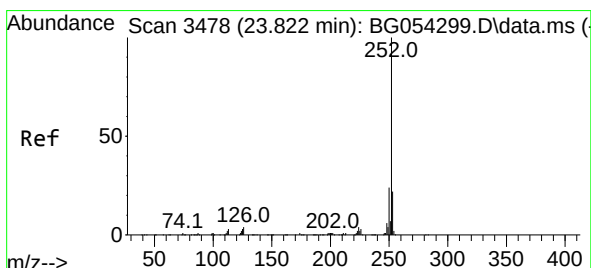
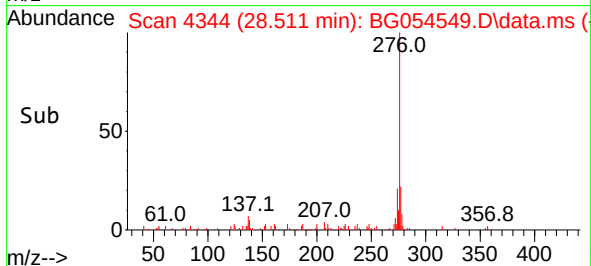
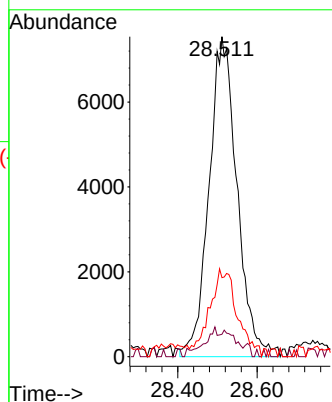
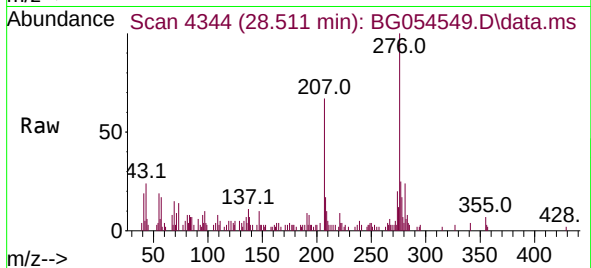
Tgt Ion:276 Resp: 36933

Ion Ratio Lower Upper

276 100

138 2.6 5.0 7.4#

277 12.3 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 6.204 ng

RT: 23.823 min Scan# 3546

Delta R.T. 0.004 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

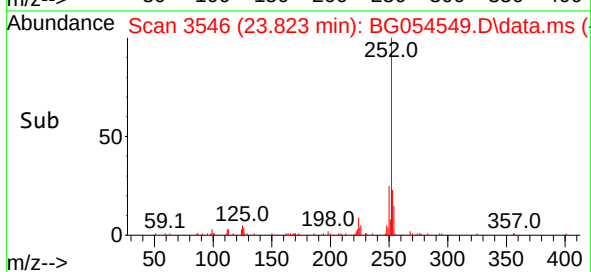
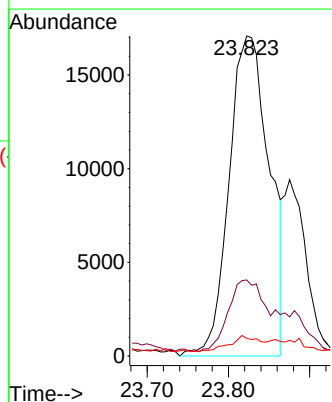
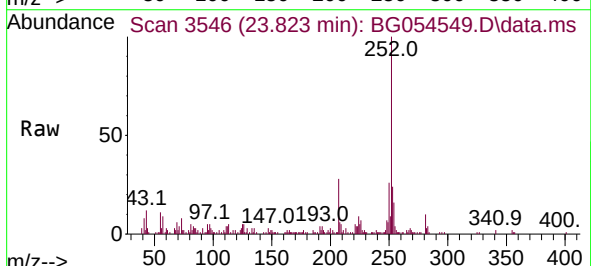
Tgt Ion:252 Resp: 58745

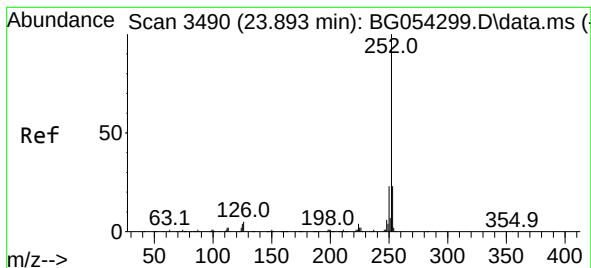
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 5.5 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 6.234 ng

RT: 23.823 min Scan# 3

Delta R.T. -0.061 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

Instrument :

BNA_G

ClientSampleId :

RVE-186

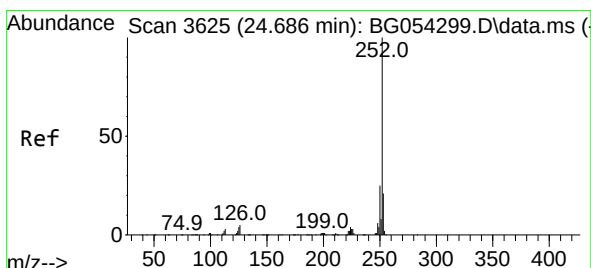
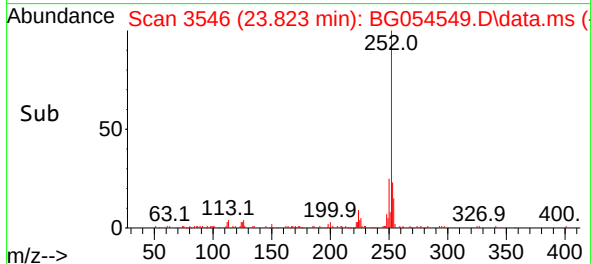
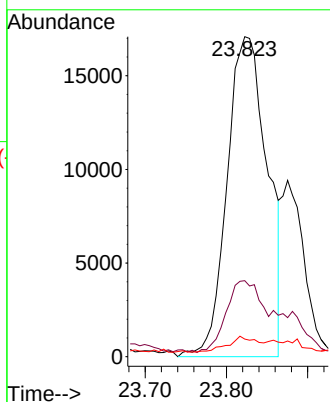
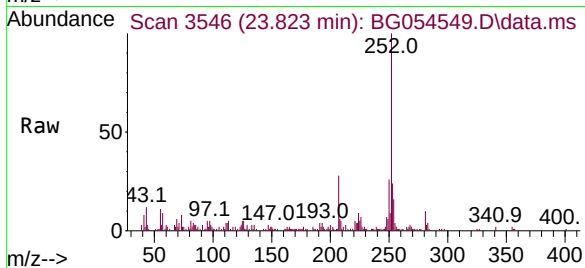
Tgt Ion:252 Resp: 58745

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

125 5.5 4.8 7.2



#90

Benzo(a)pyrene

Concen: 5.774 ng

RT: 24.686 min Scan# 3693

Delta R.T. -0.002 min

Lab File: BG054549.D

Acq: 8 Aug 2022 11:56

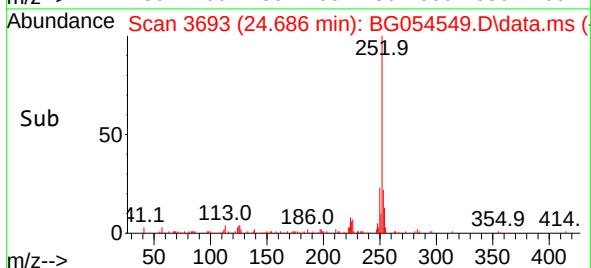
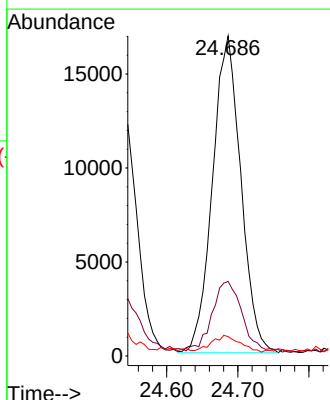
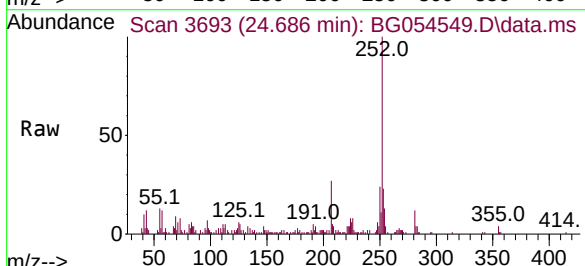
Tgt Ion:252 Resp: 46693

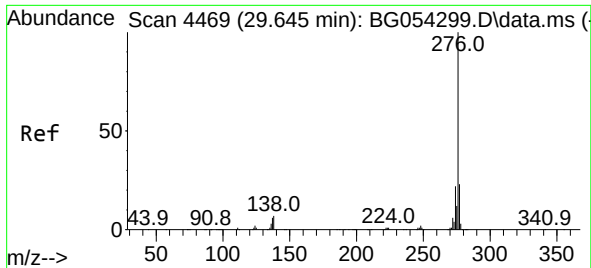
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

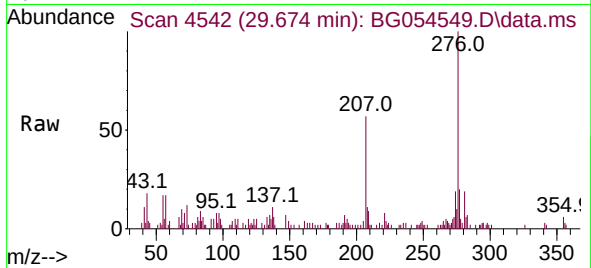
125 6.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.442 ng
 RT: 29.674 min Scan# 4
 Delta R.T. -0.002 min
 Lab File: BG054549.D
 Acq: 8 Aug 2022 11:56

Instrument :
 BNA_G
 ClientSampleId :
 RVE-186



Tgt Ion:276 Resp: 43912
 Ion Ratio Lower Upper
 276 100
 277 20.4 17.3 25.9
 138 6.1 9.6 14.4#

