

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051322\
 Data File : BG053537.D
 Acq On : 13 May 2022 11:05
 Operator : CG/JU
 Sample : N2749-19
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-7

Quant Time: May 14 03:12:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 11 06:00:46 2022
 Response via : Initial Calibration

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

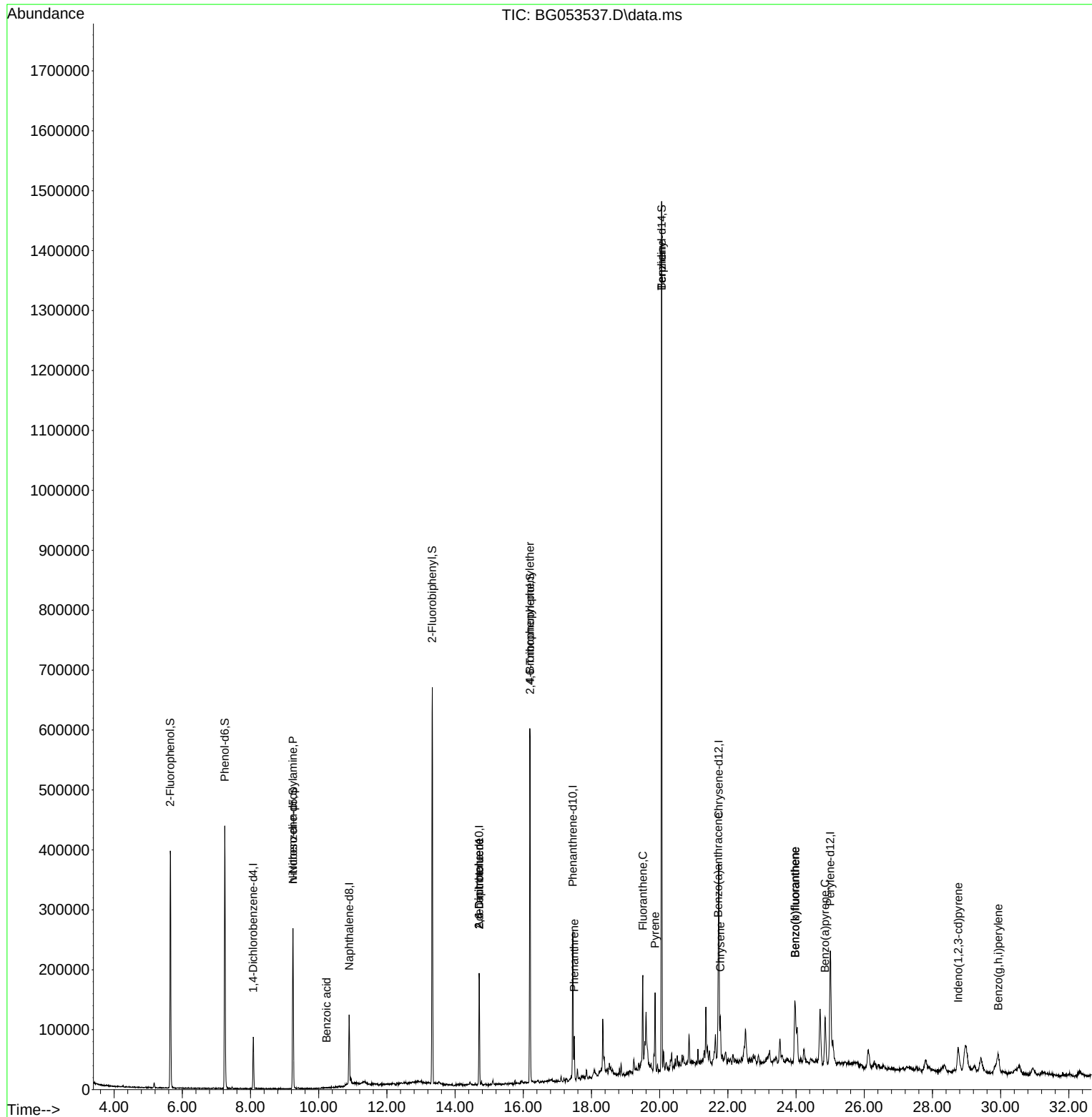
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	23380	20.000	ng	0.00
21) Naphthalene-d8	10.895	136	88509	20.000	ng	0.00
39) Acenaphthene-d10	14.707	164	64779	20.000	ng	0.00
64) Phenanthrene-d10	17.456	188	157687	20.000	ng	0.00
76) Chrysene-d12	21.733	240	188867	20.000	ng	0.00
86) Perylene-d12	25.005	264	203377	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	161919	117.536	ng	0.00
7) Phenol-d6	7.247	99	241358	115.441	ng	0.00
23) Nitrobenzene-d5	9.244	82	167039	80.337	ng	0.00
42) 2,4,6-Tribromophenol	16.199	330	115434	120.821	ng	0.00
45) 2-Fluorobiphenyl	13.333	172	346822	78.236	ng	0.00
79) Terphenyl-d14	20.059	244	719517	70.954	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.244	70	24507	16.337	ng	# 80
32) Benzoic acid	10.231	122	74	8.565	ng	# 1
51) 2,6-Dinitrotoluene	14.707	165	8361	8.337	ng	# 16
57) 2,4-Dinitrotoluene	14.707	165	8361	5.752	ng	# 21
67) 4-Bromophenyl-phenylether	16.193	248	7180	3.899	ng	# 1
71) Phenanthrene	17.497	178	46561	5.807	ng	99
75) Fluoranthene	19.507	202	92631	8.922	ng	99
77) Benzidine	20.059	184	12994	3.192	ng	# 95
78) Pyrene	19.865	202	88179	7.212	ng	98
81) Benzo(a)anthracene	21.715	228	63377	5.261	ng	97
83) Chrysene	21.780	228	62613	5.565	ng	97
87) Indeno(1,2,3-cd)pyrene	28.753	276	65764	4.643	ng	# 93
88) Benzo(b)fluoranthene	23.971	252	141249	11.733	ng	# 96
89) Benzo(k)fluoranthene	23.971	252	141249	11.940	ng	96
90) Benzo(a)pyrene	24.852	252	85811	8.375	ng	# 94
92) Benzo(g,h,i)perylene	29.928	276	65596	5.670	ng	98

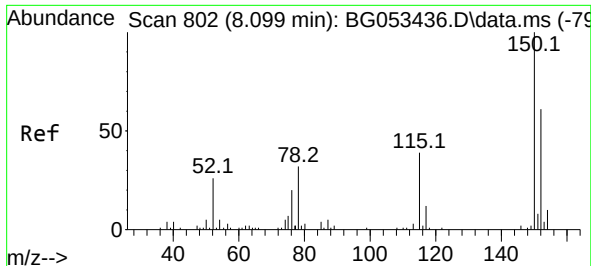
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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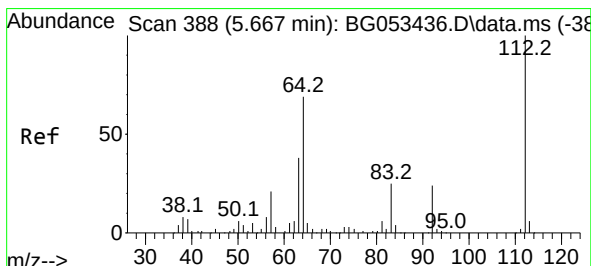
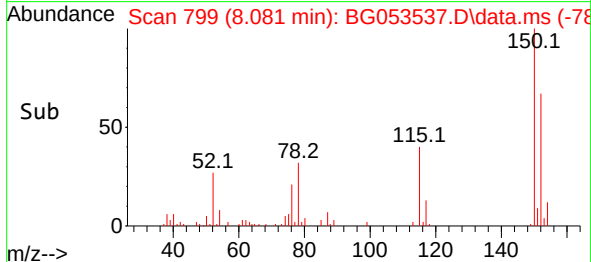
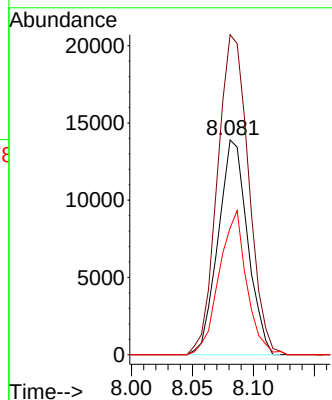
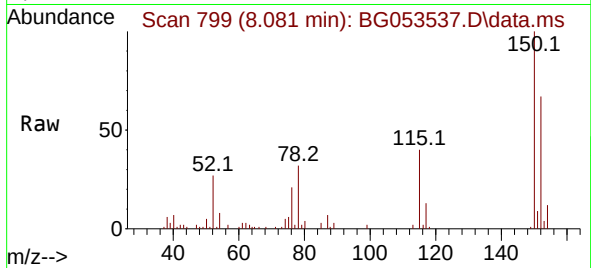




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.081 min Scan# 79
Delta R.T. -0.008 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

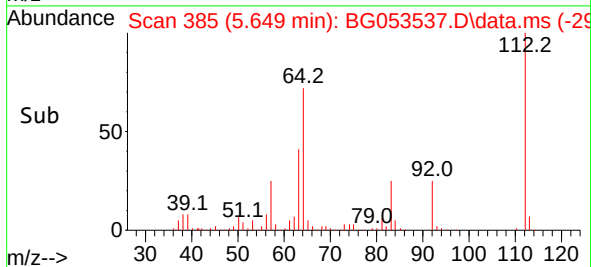
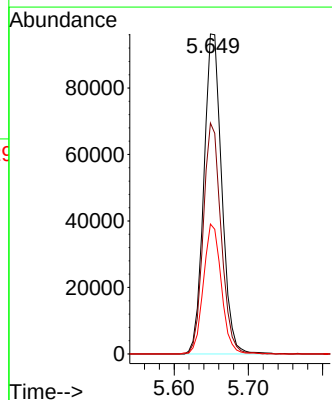
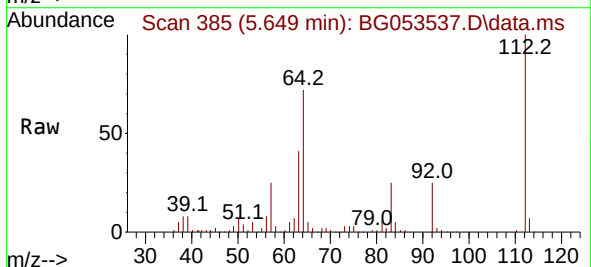
Instrument :
BNA_G
ClientSampleId :
TP-7

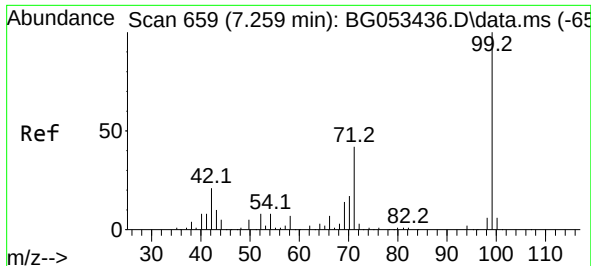
Tgt Ion:152 Resp: 23380
Ion Ratio Lower Upper
152 100
150 149.0 131.6 197.4
115 59.0 50.9 76.3



#5
2-Fluorophenol
Concen: 117.536 ng
RT: 5.649 min Scan# 385
Delta R.T. -0.003 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion:112 Resp: 161919
Ion Ratio Lower Upper
112 100
64 72.1 55.1 82.7
63 40.6 30.4 45.6

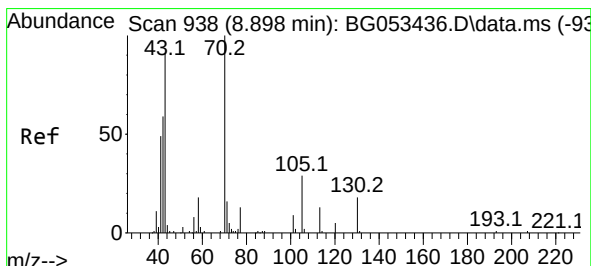
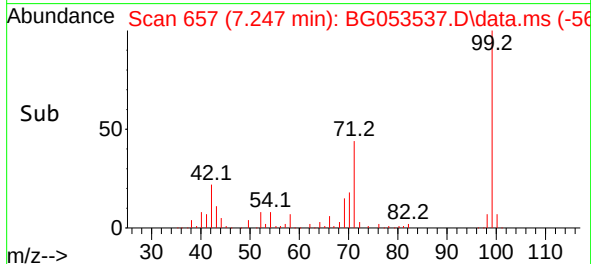
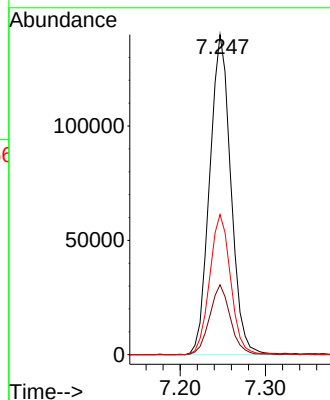
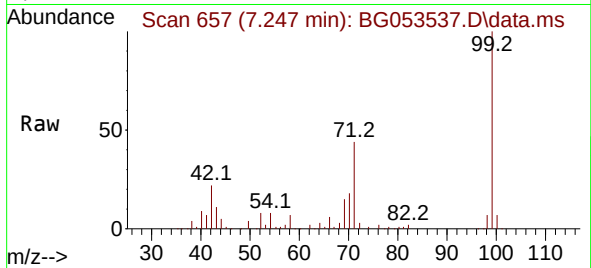




#7
Phenol-d6
Concen: 115.441 ng
RT: 7.247 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

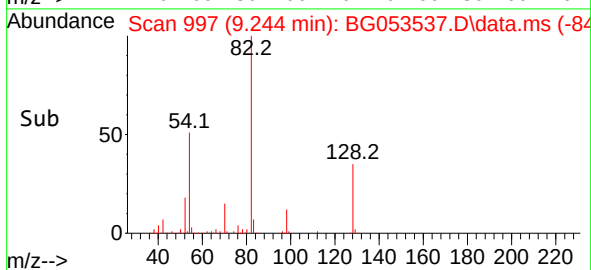
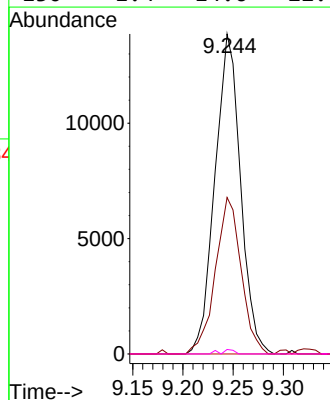
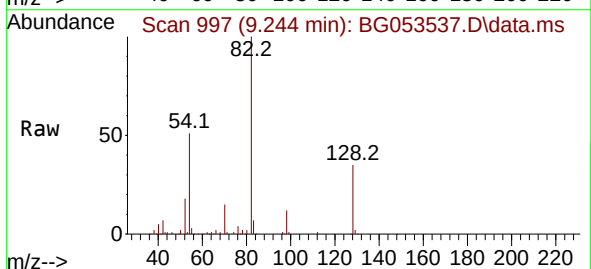
Instrument :
BNA_G
ClientSampleId :
TP-7

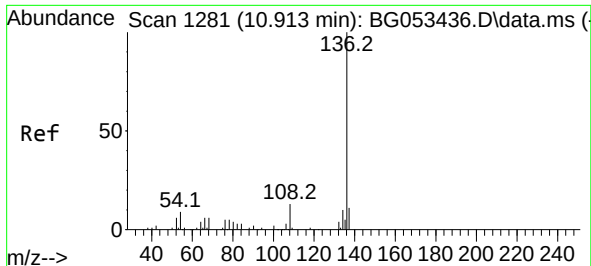
Tgt Ion: 99 Resp: 241358
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 43.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.337 ng
RT: 9.244 min Scan# 997
Delta R.T. 0.356 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion: 70 Resp: 24507
Ion Ratio Lower Upper
70 100
42 48.9 47.3 70.9
101 0.0 7.0 10.4#
130 1.4 14.6 22.0#

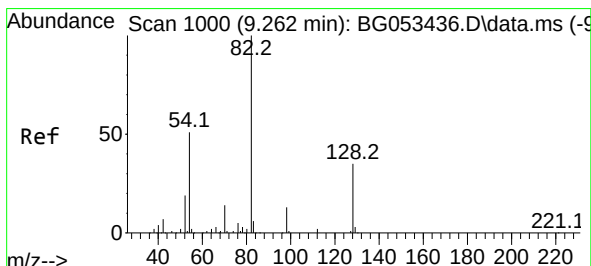
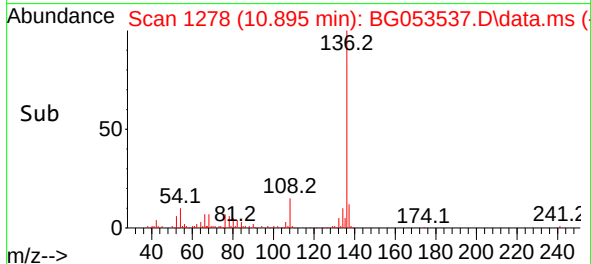
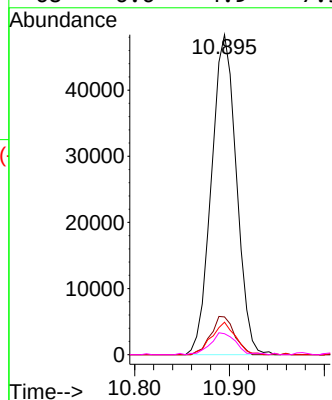
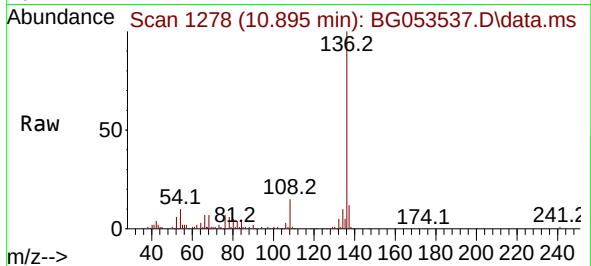




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.895 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

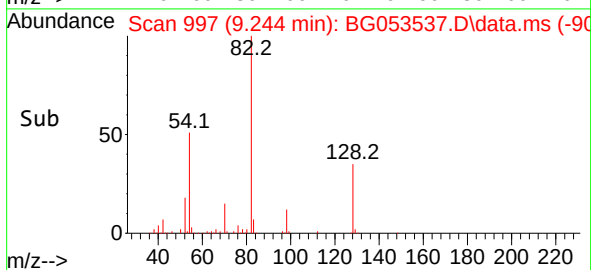
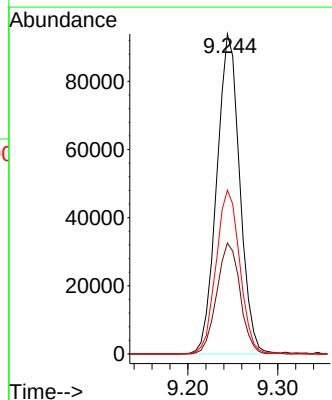
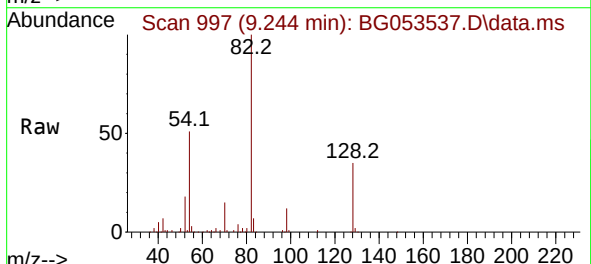
Instrument :
BNA_G
ClientSampleId :
TP-7

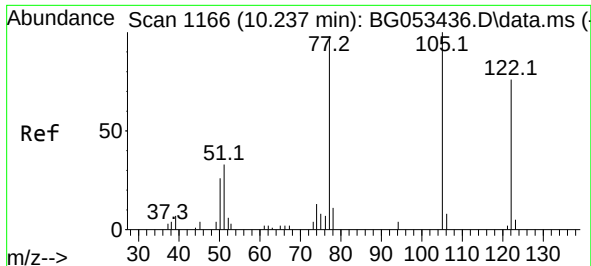
Tgt Ion:	136	Resp:	88509
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.5	12.7
54	10.2	7.4	11.2
68	6.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 80.337 ng
RT: 9.244 min Scan# 997
Delta R.T. -0.009 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion:	82	Resp:	167039
Ion	Ratio	Lower	Upper
82	100		
128	34.6	27.9	41.9
54	51.2	41.2	61.8

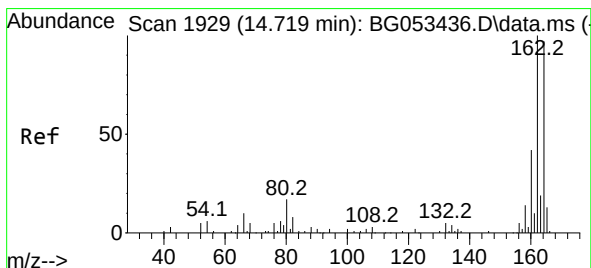
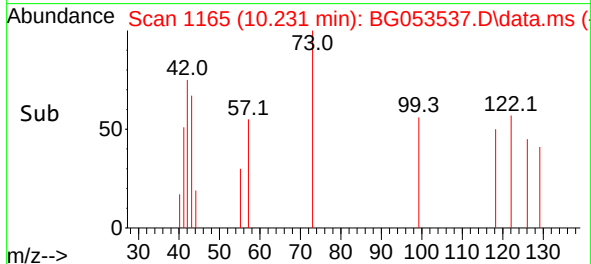
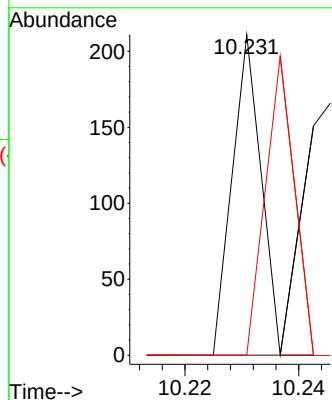
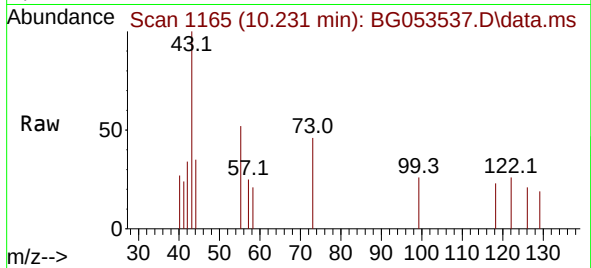




#32
Benzoic acid
Concen: 8.565 ng
RT: 10.231 min Scan# 1165
Delta R.T. -0.009 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

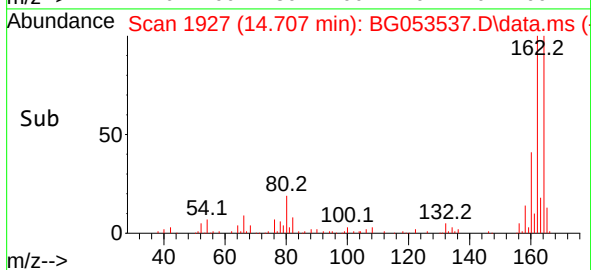
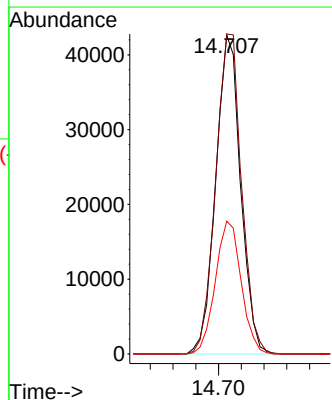
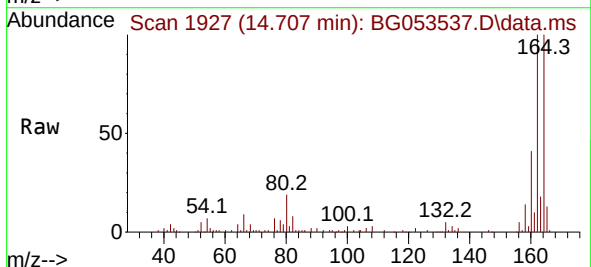
Instrument :
BNA_G
ClientSampleId :
TP-7

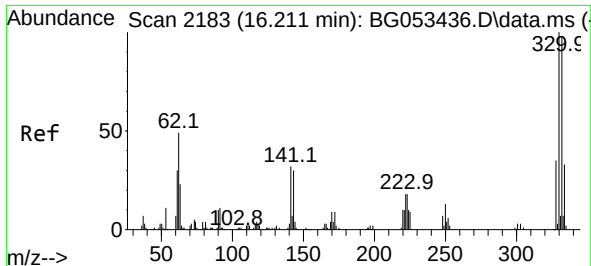
Tgt Ion:122 Resp: 74
Ion Ratio Lower Upper
122 100
105 0.0 111.8 151.8#
77 0.0 109.4 149.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.707 min Scan# 1927
Delta R.T. -0.009 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion:164 Resp: 64779
Ion Ratio Lower Upper
164 100
162 100.4 82.3 123.5
160 41.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 120.821 ng

RT: 16.199 min Scan# 2183

Delta R.T. -0.003 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

Instrument :

BNA_G

ClientSampleId :

TP-7

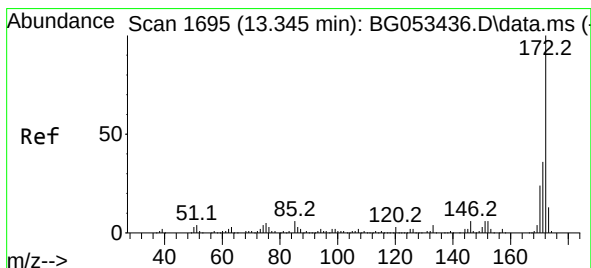
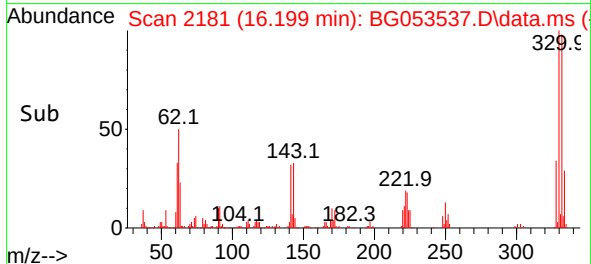
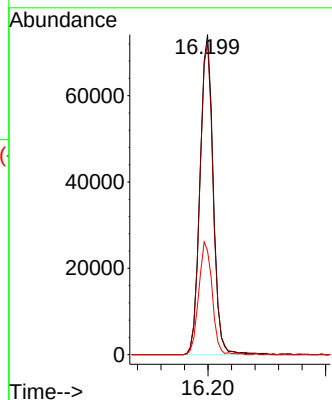
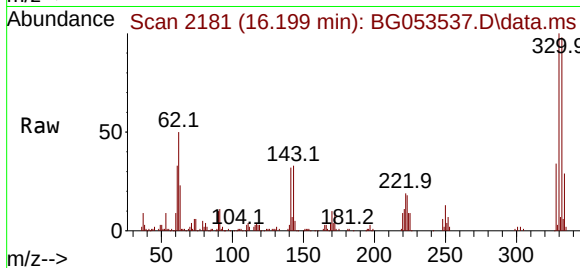
Tgt Ion:330 Resp: 115434

Ion Ratio Lower Upper

330 100

332 97.8 76.0 114.0

141 35.7 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 78.236 ng

RT: 13.333 min Scan# 1693

Delta R.T. -0.003 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

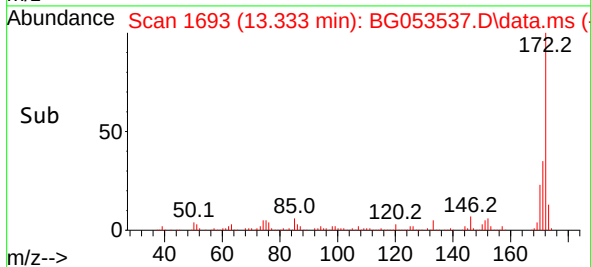
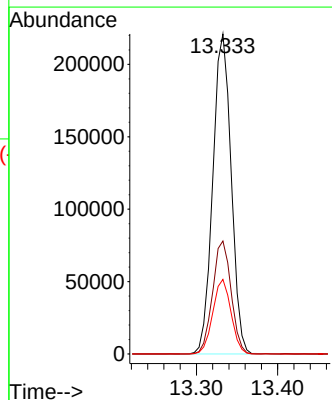
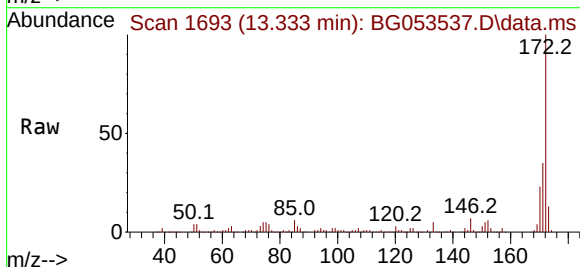
Tgt Ion:172 Resp: 346822

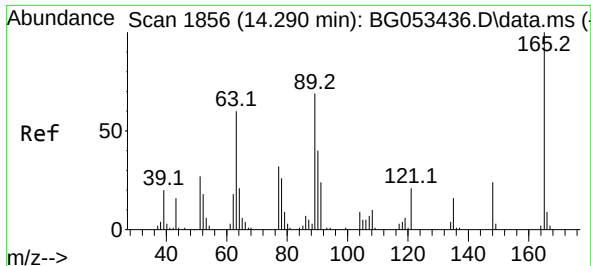
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.3 18.9 28.3

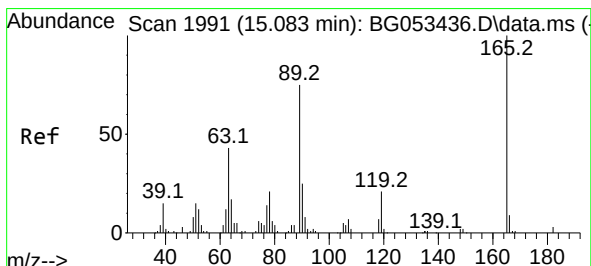
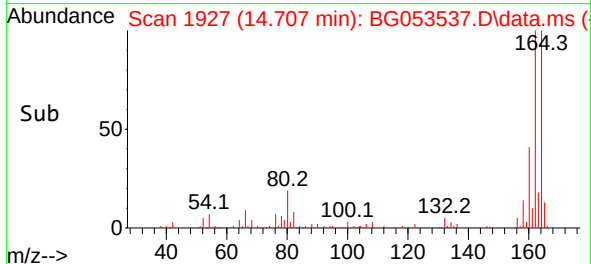
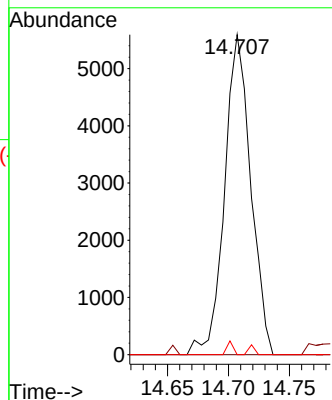
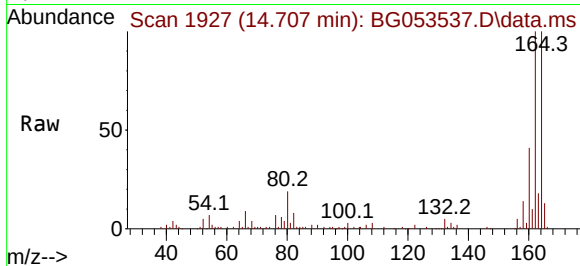




#51
2,6-Dinitrotoluene
Concen: 8.337 ng
RT: 14.707 min Scan# 1927
Delta R.T. 0.426 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

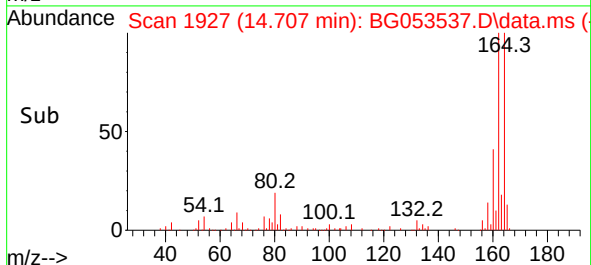
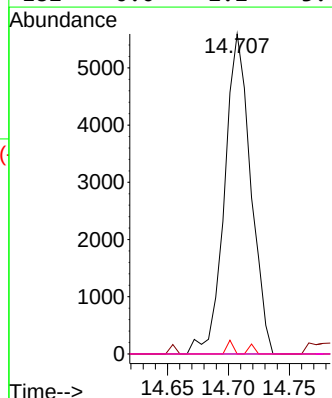
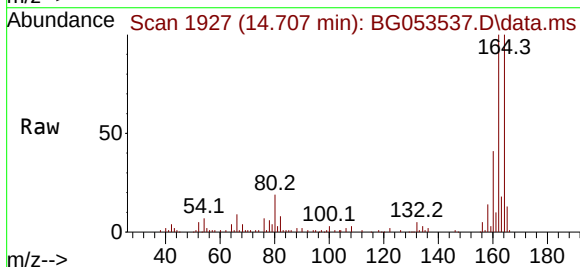
Instrument :
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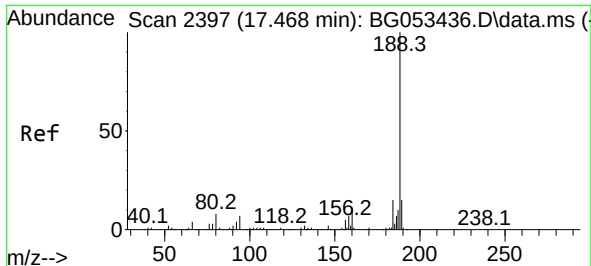
Tgt Ion:165 Resp: 8361
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.752 ng
RT: 14.707 min Scan# 1927
Delta R.T. -0.367 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion:165 Resp: 8361
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#

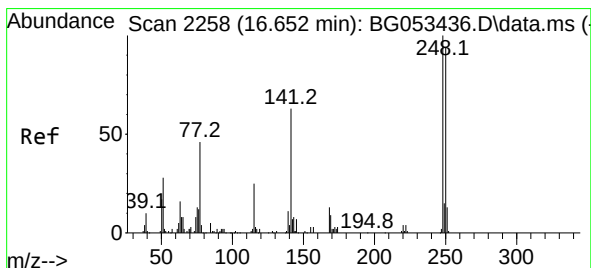
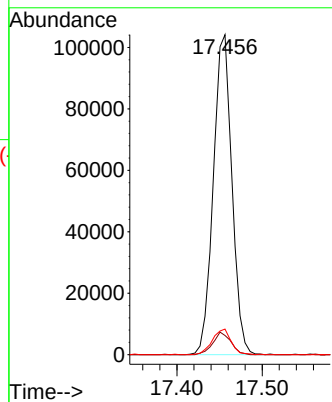
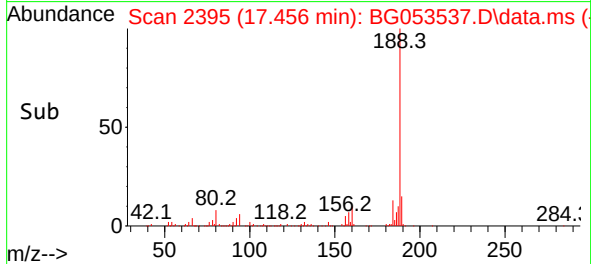
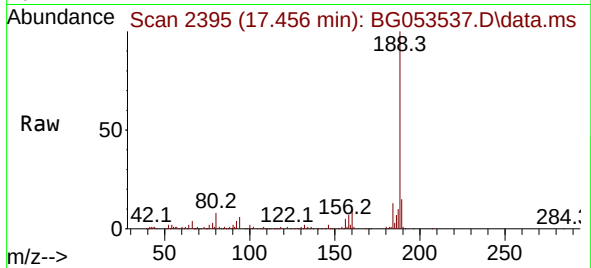




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.456 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

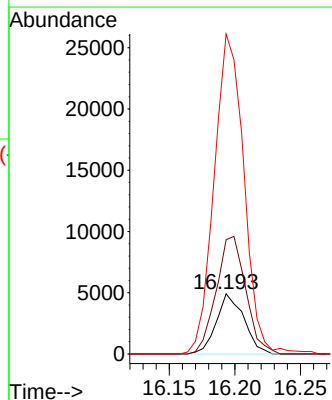
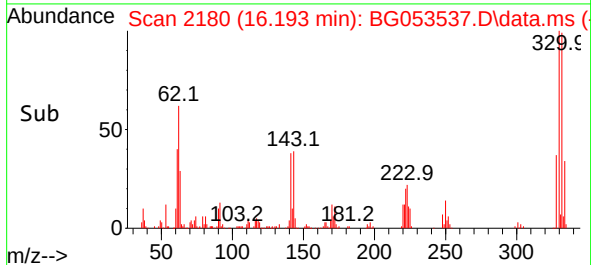
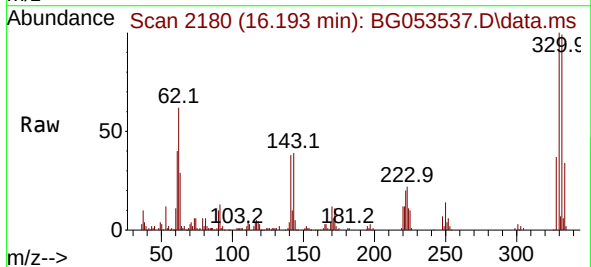
Instrument :
BNA_G
ClientSampleId :
TP-7

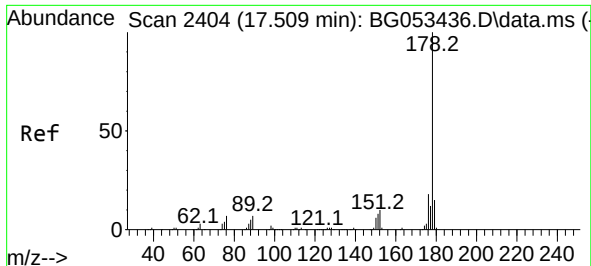
Tgt Ion:188 Resp: 157687
Ion Ratio Lower Upper
188 100
94 6.0 5.4 8.0
80 8.0 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.899 ng
RT: 16.193 min Scan# 2180
Delta R.T. -0.449 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion:248 Resp: 7180
Ion Ratio Lower Upper
248 100
250 190.1 75.2 112.8#
141 532.1 50.0 75.0#

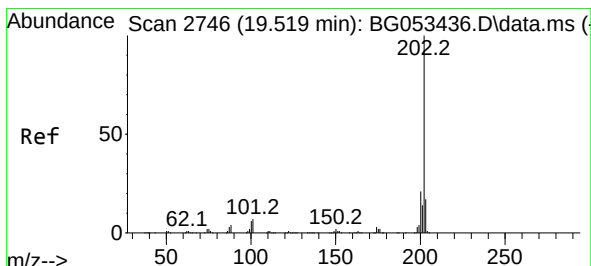
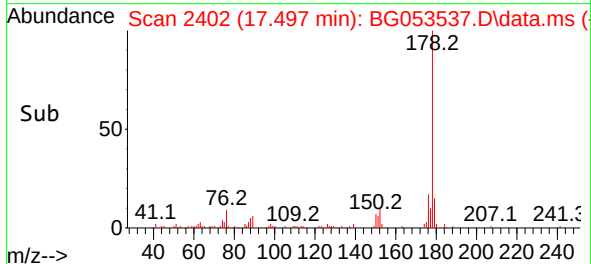
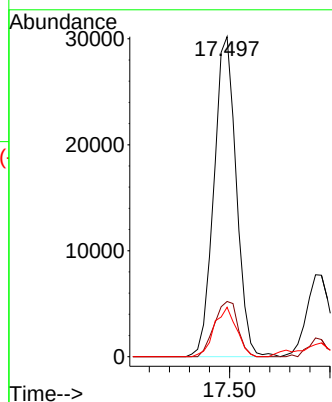
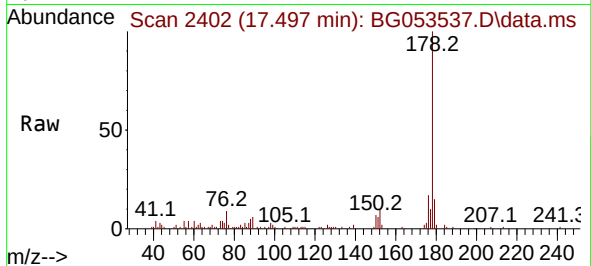




#71
Phenanthrene
Concen: 5.807 ng
RT: 17.497 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

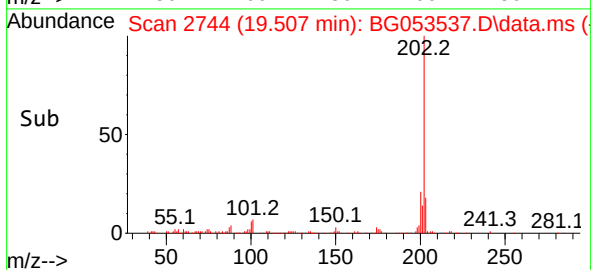
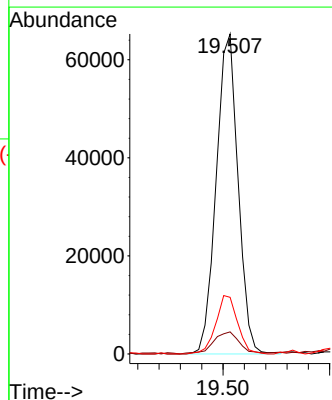
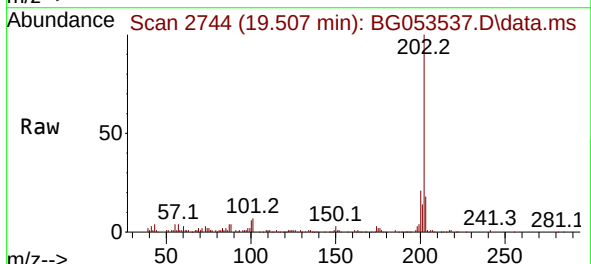
Instrument :
BNA_G
ClientSampleId :
TP-7

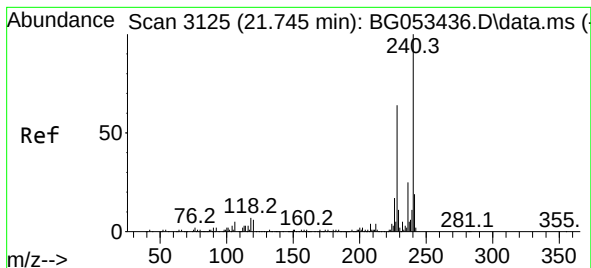
Tgt Ion:178 Resp: 46561
Ion Ratio Lower Upper
178 100
176 17.2 14.1 21.1
179 15.4 12.1 18.1



#75
Fluoranthene
Concen: 8.922 ng
RT: 19.507 min Scan# 2744
Delta R.T. -0.003 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion:202 Resp: 92631
Ion Ratio Lower Upper
202 100
101 6.9 0.0 26.9
203 17.7 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.733 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

Instrument :

BNA_G

ClientSampleId :

TP-7

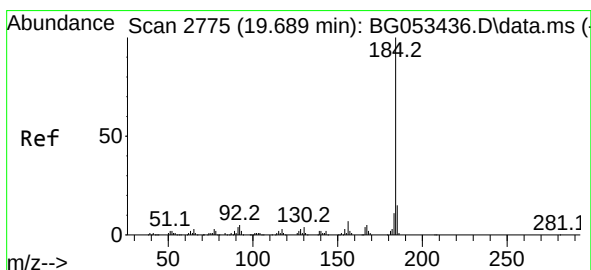
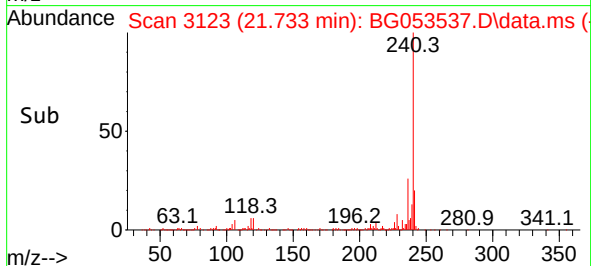
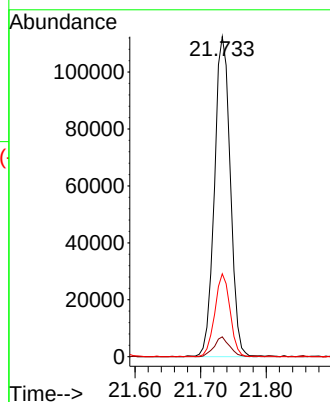
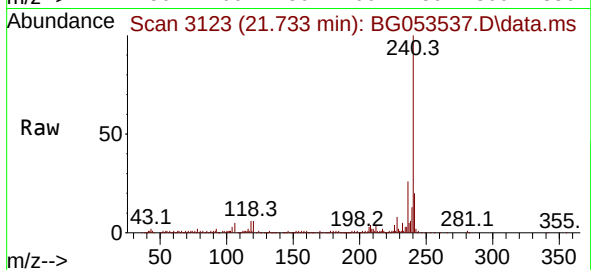
Tgt Ion:240 Resp: 188867

Ion Ratio Lower Upper

240 100

120 6.2 4.6 7.0

236 25.9 20.2 30.4



#77

Benzidine

Concen: 3.192 ng

RT: 20.059 min Scan# 2838

Delta R.T. 0.379 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

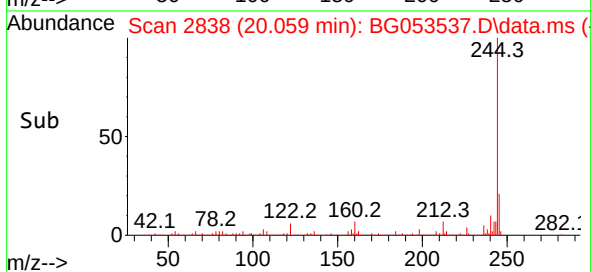
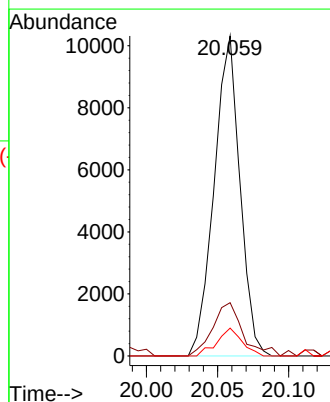
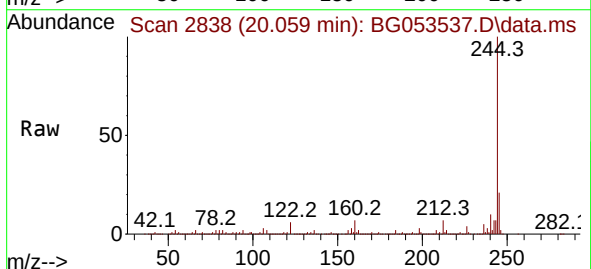
Tgt Ion:184 Resp: 12994

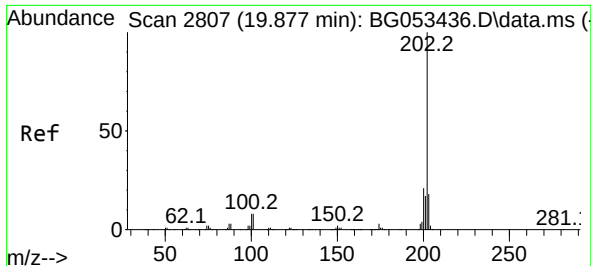
Ion Ratio Lower Upper

184 100

185 16.6 11.8 17.6

183 8.7 8.9 13.3#

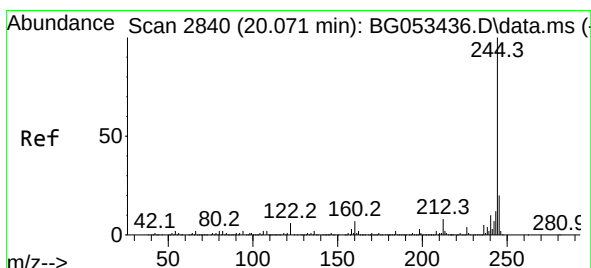
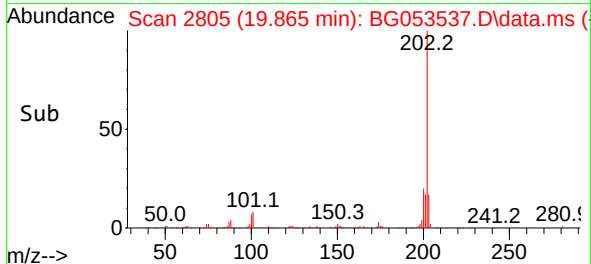
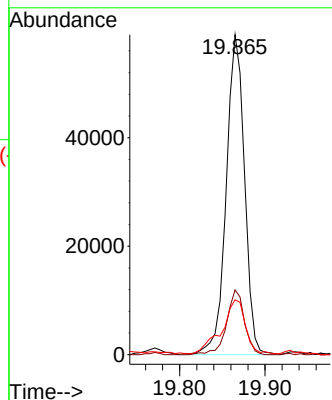
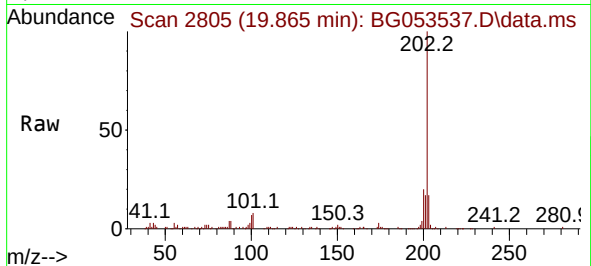




#78
 Pyrene
 Concen: 7.212 ng
 RT: 19.865 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG053537.D
 Acq: 13 May 2022 11:05

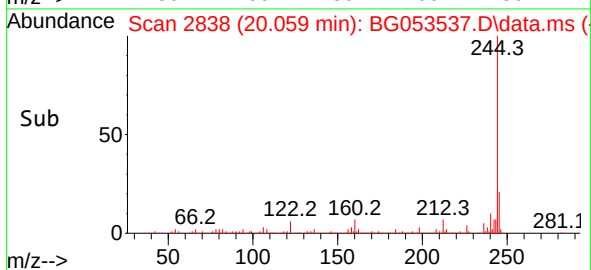
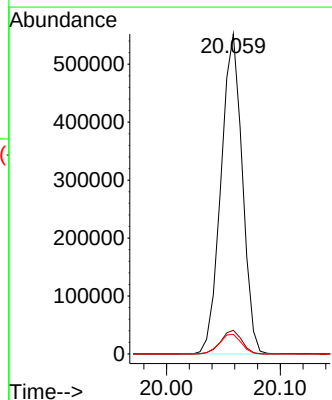
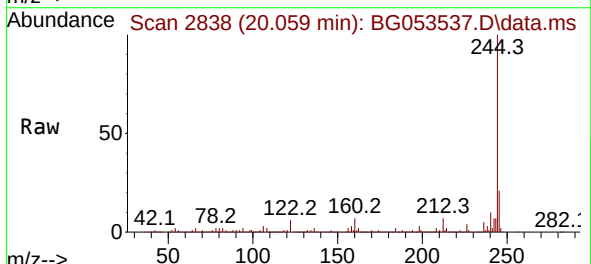
Instrument :
 BNA_G
 ClientSampleId :
 TP-7

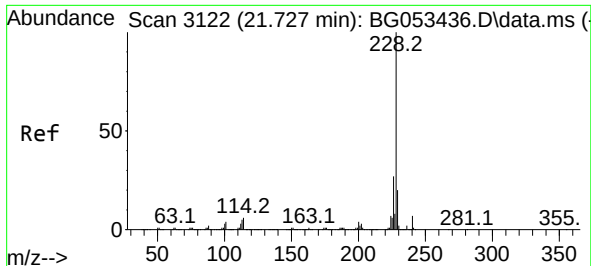
Tgt Ion:202 Resp: 88179
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.6 24.8
 203 17.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 70.954 ng
 RT: 20.059 min Scan# 2838
 Delta R.T. -0.003 min
 Lab File: BG053537.D
 Acq: 13 May 2022 11:05

Tgt Ion:244 Resp: 719517
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.1 5.0 7.4

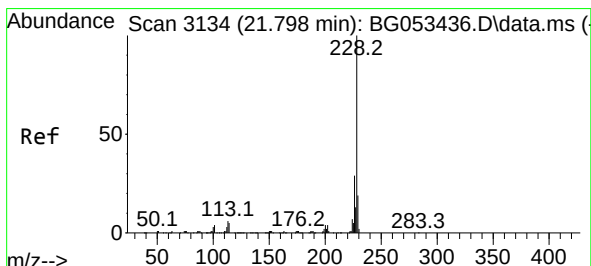
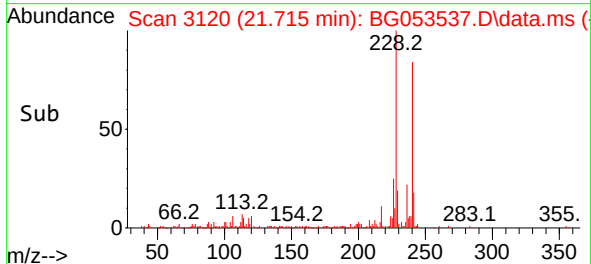
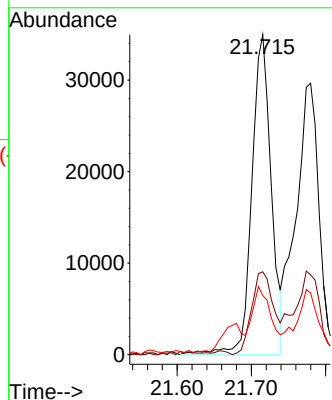
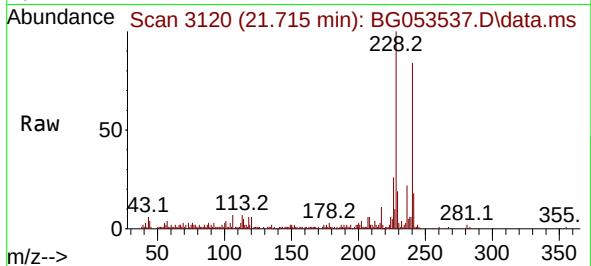




#81
Benzo(a)anthracene
Concen: 5.261 ng
RT: 21.715 min Scan# 3120
Delta R.T. -0.003 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

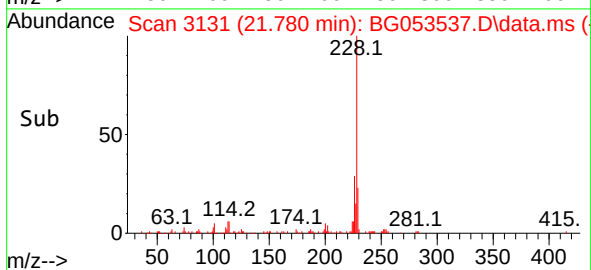
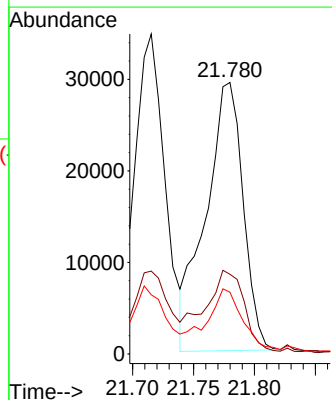
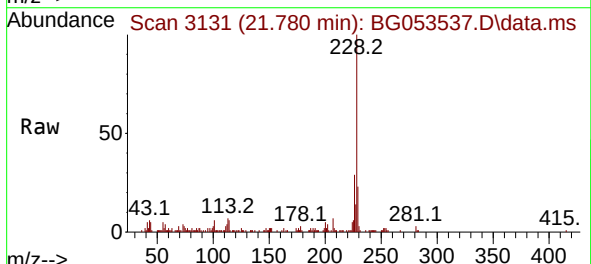
Instrument :
BNA_G
ClientSampleId :
TP-7

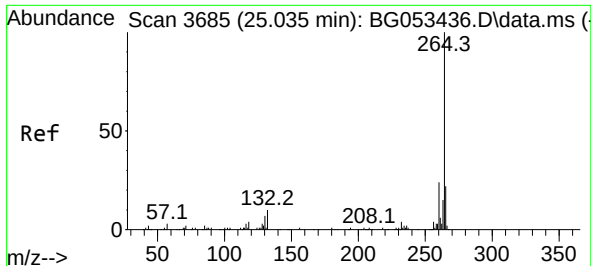
Tgt Ion:228 Resp: 63377
Ion Ratio Lower Upper
228 100
226 25.9 21.6 32.4
229 18.5 16.2 24.2



#83
Chrysene
Concen: 5.565 ng
RT: 21.780 min Scan# 3131
Delta R.T. -0.009 min
Lab File: BG053537.D
Acq: 13 May 2022 11:05

Tgt Ion:228 Resp: 62613
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.2
229 22.8 15.5 23.3

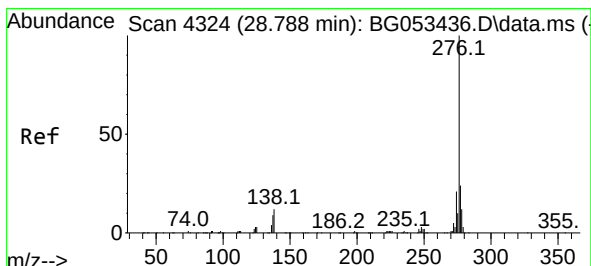
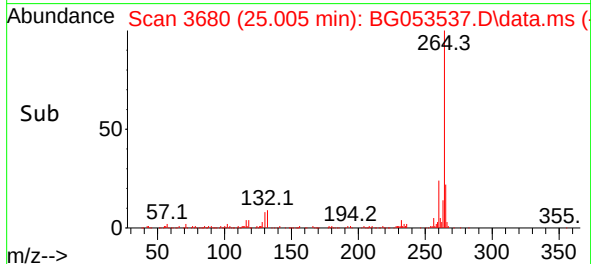
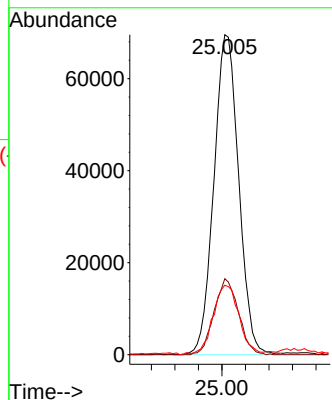
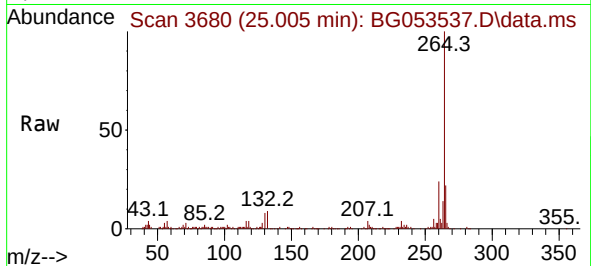




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.005 min Scan# 30
 Delta R.T. -0.014 min
 Lab File: BG053537.D
 Acq: 13 May 2022 11:05

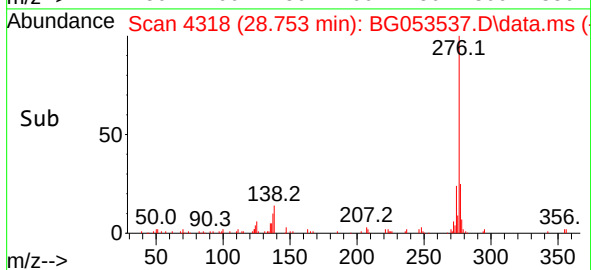
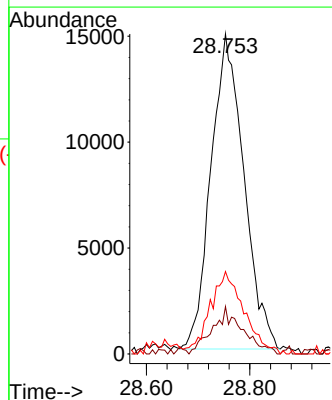
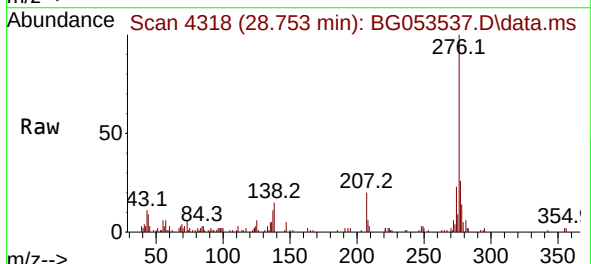
Instrument :
 BNA_G
 ClientSampleId :
 TP-7

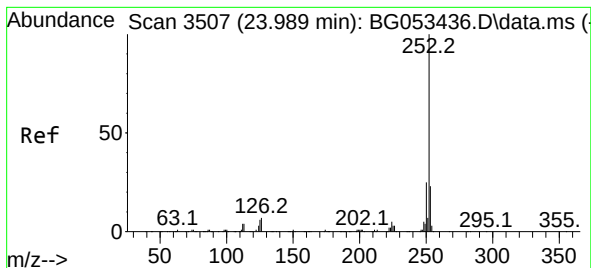
Tgt Ion:264 Resp: 203377
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.6
 265 21.7 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.643 ng
 RT: 28.753 min Scan# 4318
 Delta R.T. -0.026 min
 Lab File: BG053537.D
 Acq: 13 May 2022 11:05

Tgt Ion:276 Resp: 65764
 Ion Ratio Lower Upper
 276 100
 138 13.7 5.0 7.4#
 277 27.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 11.733 ng

RT: 23.971 min Scan# 3504

Delta R.T. -0.009 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

Instrument :

BNA_G

ClientSampleId :

TP-7

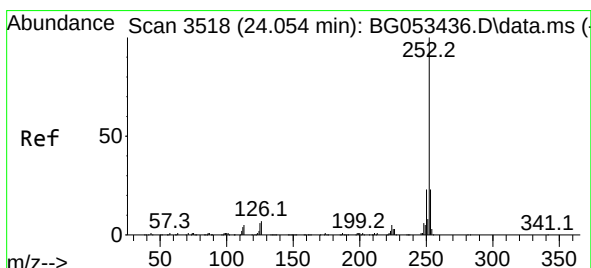
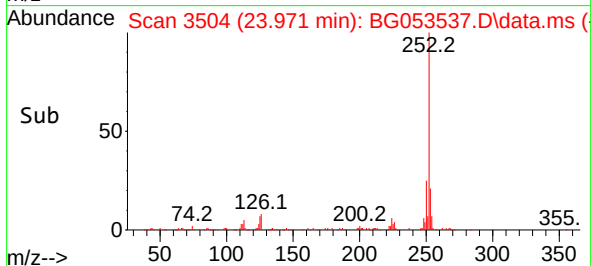
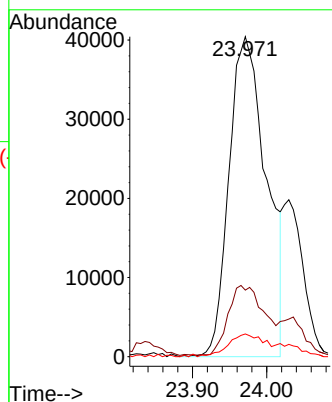
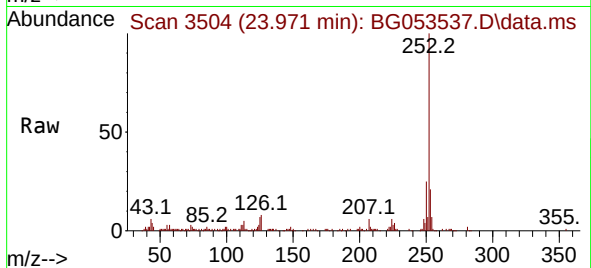
Tgt Ion:252 Resp: 141249

Ion Ratio Lower Upper

252 100

253 20.8 18.0 27.0

125 7.1 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 11.940 ng

RT: 23.971 min Scan# 3504

Delta R.T. -0.073 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

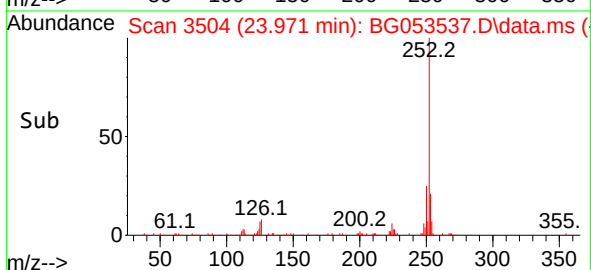
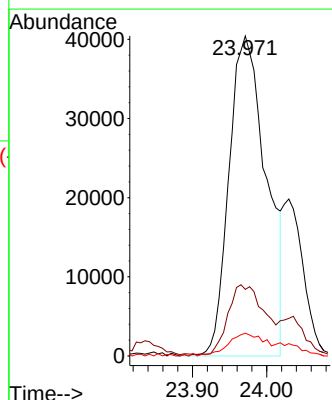
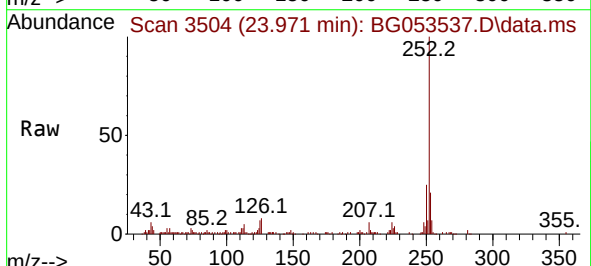
Tgt Ion:252 Resp: 141249

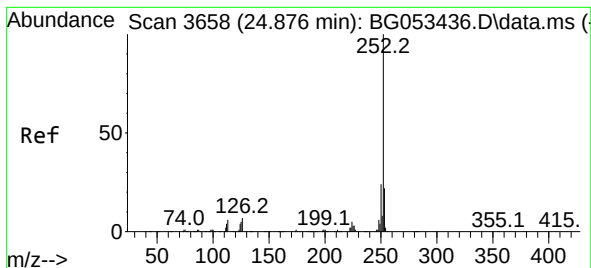
Ion Ratio Lower Upper

252 100

253 20.8 18.4 27.6

125 7.1 4.8 7.2





#90

Benzo(a)pyrene

Concen: 8.375 ng

RT: 24.852 min Scan# 30

Delta R.T. -0.014 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

Instrument :

BNA_G

ClientSampleId :

TP-7

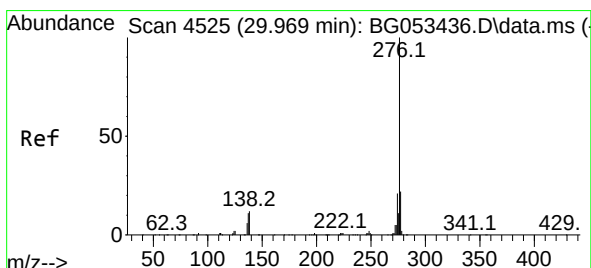
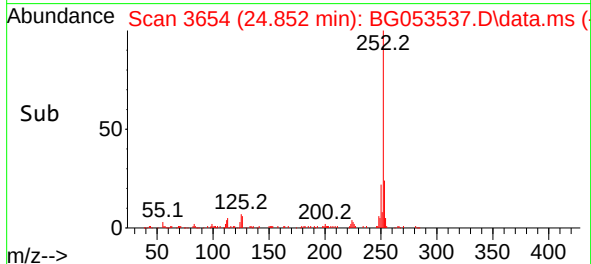
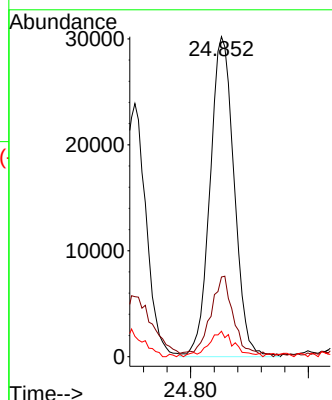
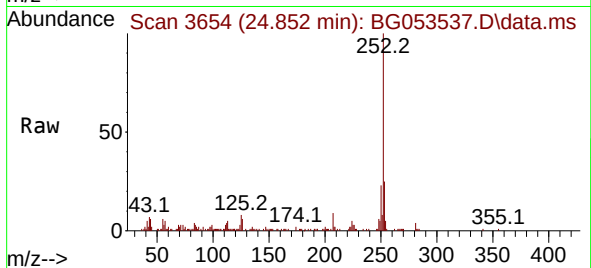
Tgt Ion:252 Resp: 85811

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

125 8.0 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 5.670 ng

RT: 29.928 min Scan# 4518

Delta R.T. -0.026 min

Lab File: BG053537.D

Acq: 13 May 2022 11:05

Tgt Ion:276 Resp: 65596

Ion Ratio Lower Upper

276 100

277 22.7 17.3 25.9

138 12.8 9.6 14.4

