

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110722\
 Data File : BG055499.D
 Acq On : 8 Nov 2022 5:50
 Operator : CG/JU
 Sample : N5478-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 06:25:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 03:46:08 2022
 Response via : Initial Calibration

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

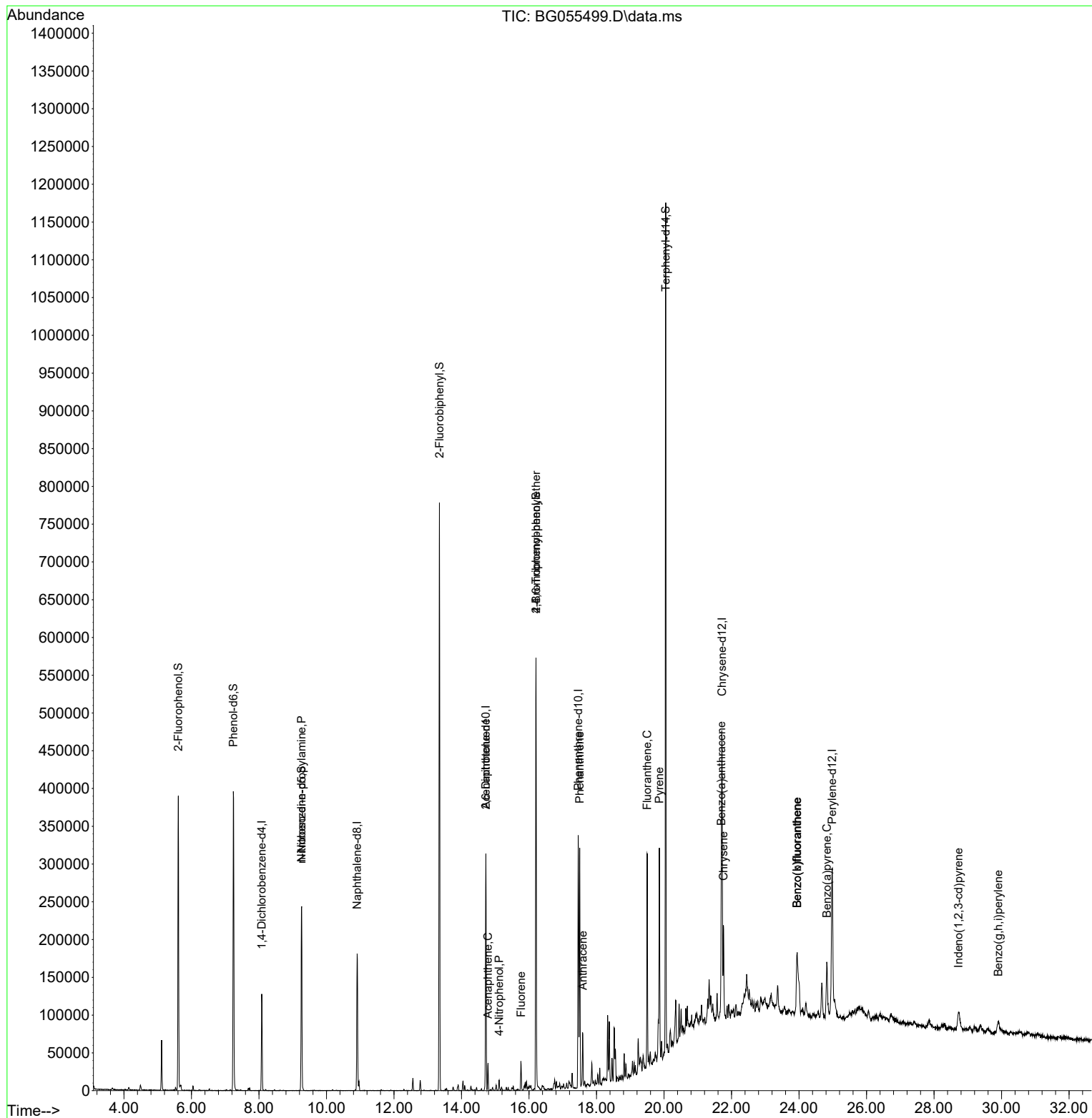
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.082	152	39623	20.000	ng	0.00
21) Naphthalene-d8	10.908	136	170563	20.000	ng	# 0.00
39) Acenaphthene-d10	14.721	164	111067	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	227089	20.000	ng	# 0.00
76) Chrysene-d12	21.719	240	214057	20.000	ng	0.00
86) Perylene-d12	24.980	264	242120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.608	112	199537	90.437	ng	0.00
7) Phenol-d6	7.242	99	266694	87.164	ng	0.00
23) Nitrobenzene-d5	9.263	82	153019	47.813	ng	0.00
42) 2,4,6-Tribromophenol	16.208	330	138205	91.226	ng	0.00
45) 2-Fluorobiphenyl	13.346	172	432648	57.755	ng	0.00
79) Terphenyl-d14	20.050	244	603848	54.855	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.257	70	19891	8.320	ng	# 74
51) 2,6-Dinitrotoluene	14.721	165	14961	7.708	ng	# 27
52) Acenaphthene	14.786	154	13966	2.176	ng	99
56) 4-Nitrophenol	15.115	139	3211	2.147	ng	# 7
58) Fluorene	15.761	166	18160	2.104	ng	99
67) 4-Bromophenyl-phenylether	16.208	248	8117	3.024	ng	# 1
71) Phenanthrene	17.500	178	202296	15.837	ng	99
72) Anthracene	17.594	178	50038	3.997	ng	98
75) Fluoranthene	19.504	202	180596	11.754	ng	98
78) Pyrene	19.862	202	178004	11.788	ng	99
81) Benzo(a)anthracene	21.695	228	94616	6.439	ng	99
83) Chrysene	21.760	228	89914	6.414	ng	98
87) Indeno(1,2,3-cd)pyrene	28.722	276	47527	2.445	ng	# 91
88) Benzo(b)fluoranthene	23.946	252	118751	7.721	ng	97
89) Benzo(k)fluoranthene	23.946	252	118751	7.684	ng	97
90) Benzo(a)pyrene	24.821	252	81442	6.124	ng	99
92) Benzo(g,h,i)perylene	29.903	276	41103	2.577	ng	97

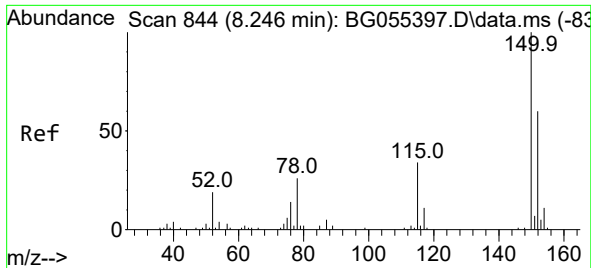
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110722\
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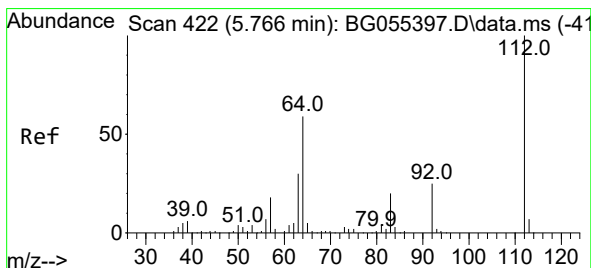
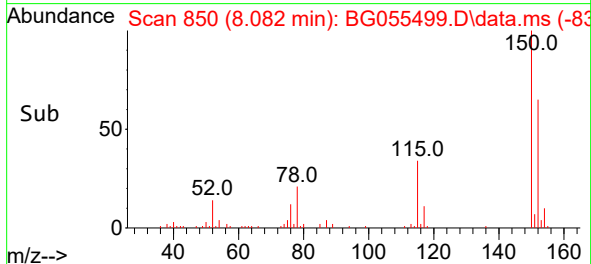
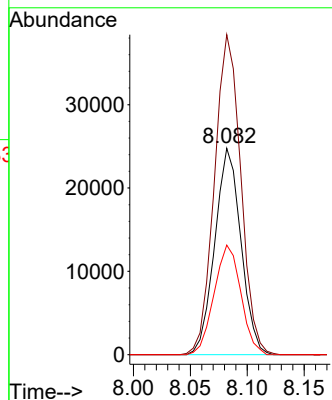
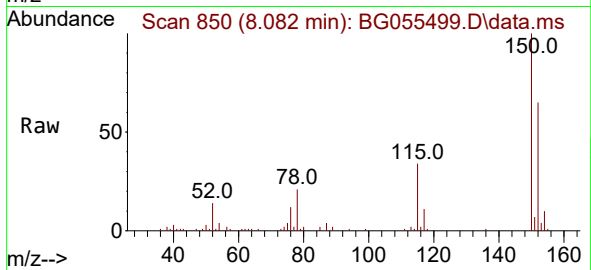




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.082 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

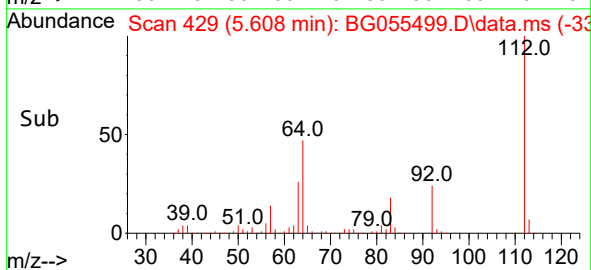
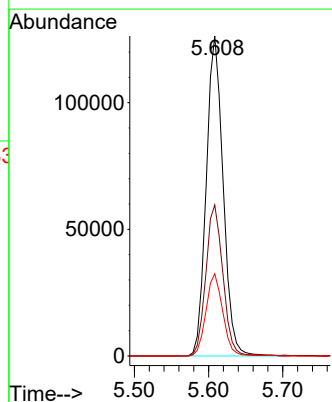
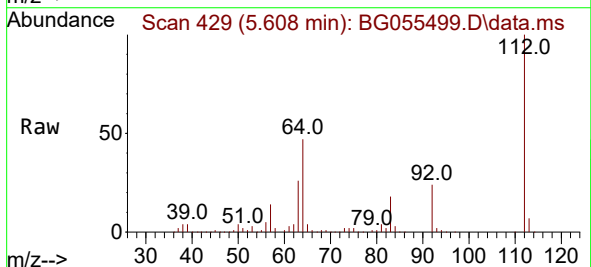
Instrument :
BNA_G
ClientSampleId :

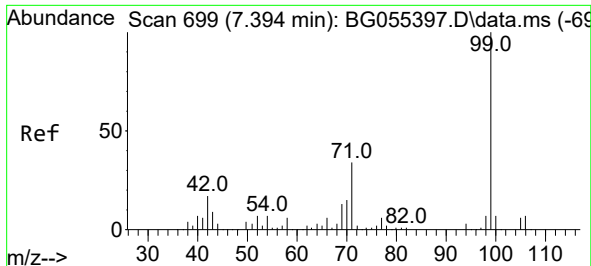
Tgt Ion:152 Resp: 39623
Ion Ratio Lower Upper
152 100
150 155.0 132.8 199.2
115 53.1 45.1 67.7



#5
2-Fluorophenol
Concen: 90.437 ng
RT: 5.608 min Scan# 429
Delta R.T. -0.001 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

Tgt Ion:112 Resp: 199537
Ion Ratio Lower Upper
112 100
64 47.2 47.2 70.8
63 25.7 24.3 36.5

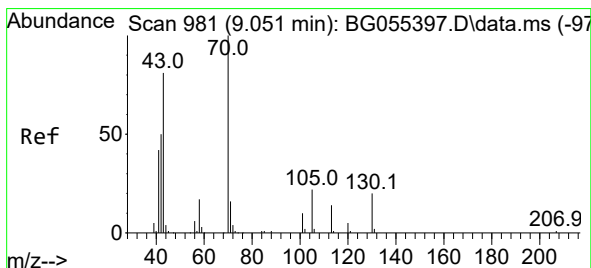
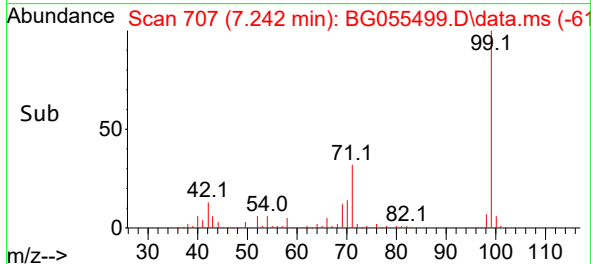
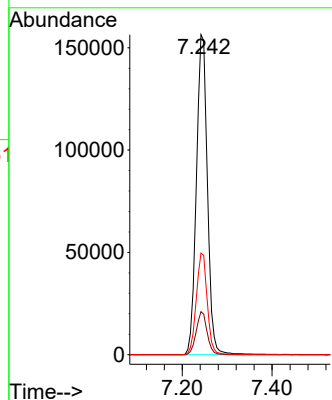
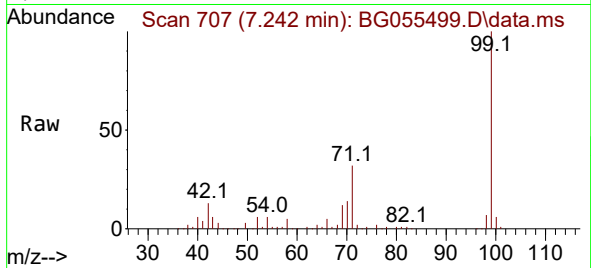




#7
Phenol-d6
Concen: 87.164 ng
RT: 7.242 min Scan# 70
Delta R.T. -0.001 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

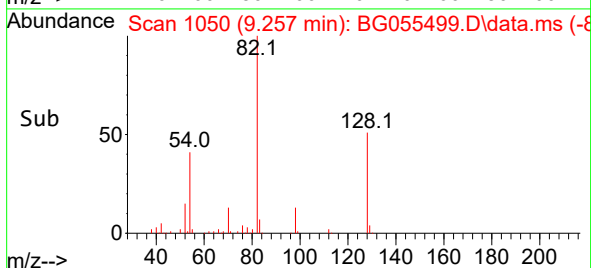
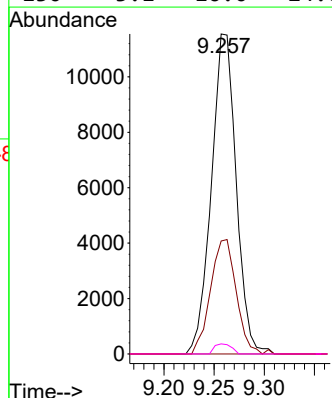
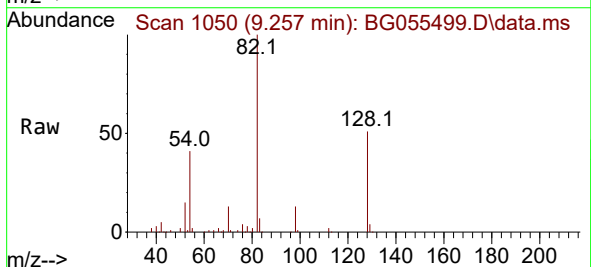
Instrument :
BNA_G
ClientSampleId :

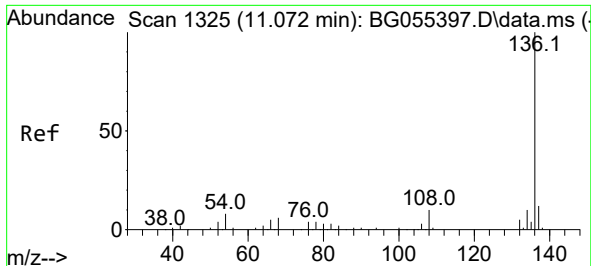
Tgt Ion: 99 Resp: 266694
Ion Ratio Lower Upper
99 100
42 13.5 13.5 20.3#
71 31.7 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 8.320 ng
RT: 9.257 min Scan# 1050
Delta R.T. 0.358 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

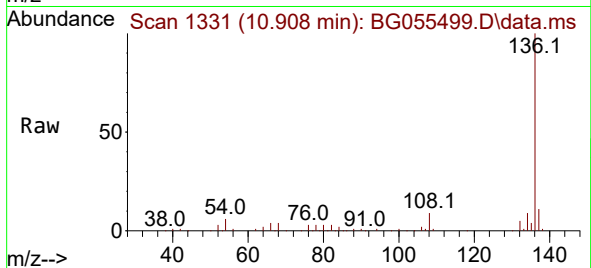
Tgt Ion: 70 Resp: 19891
Ion Ratio Lower Upper
70 100
42 35.3 40.6 61.0#
101 0.0 7.8 11.6#
130 3.1 16.0 24.0#



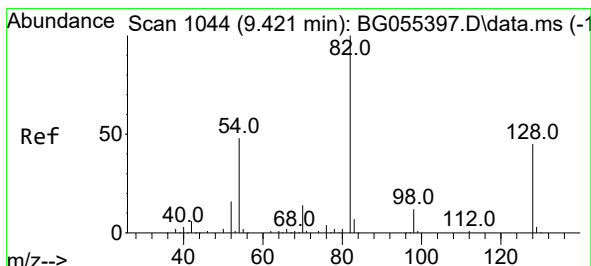
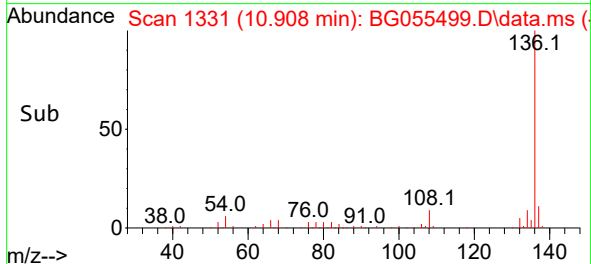
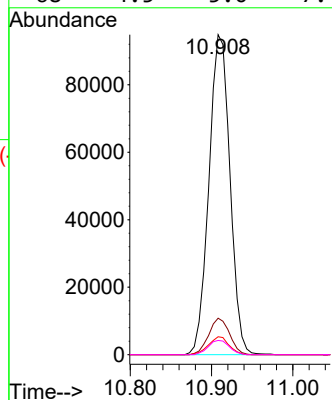


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.908 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

Instrument :
BNA_G
ClientSampleId :

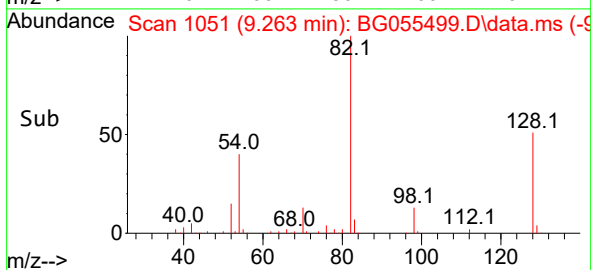
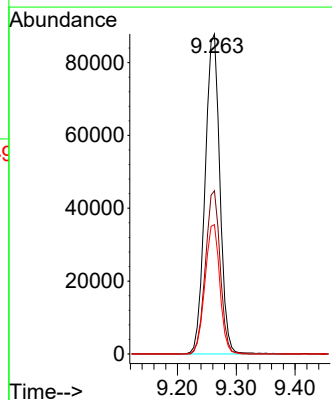
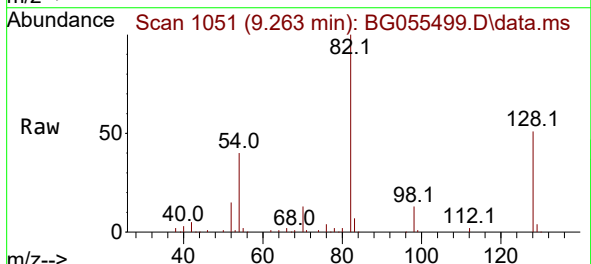


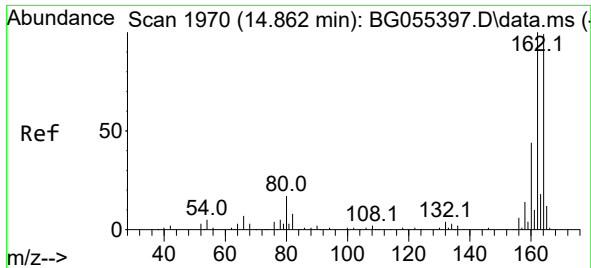
Tgt Ion:136 Resp: 170563
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 5.6 6.1 9.1#
68 4.5 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 47.813 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.001 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

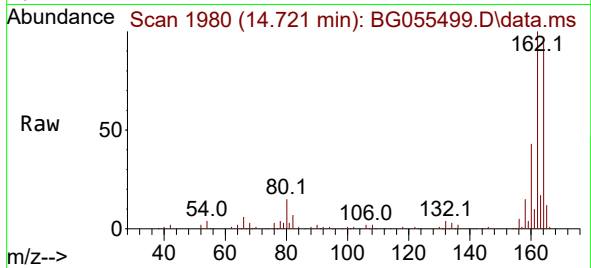
Tgt Ion: 82 Resp: 153019
Ion Ratio Lower Upper
82 100
128 51.0 35.8 53.8
54 40.4 38.1 57.1



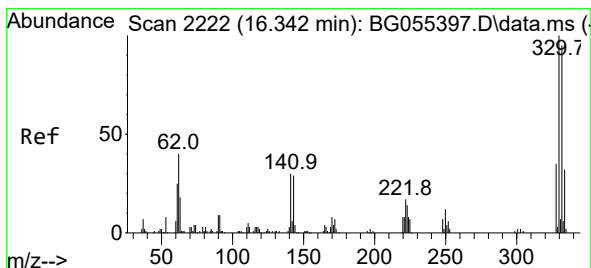
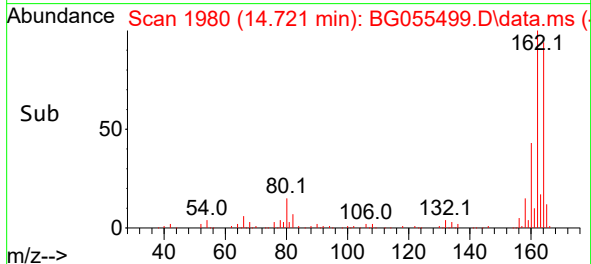
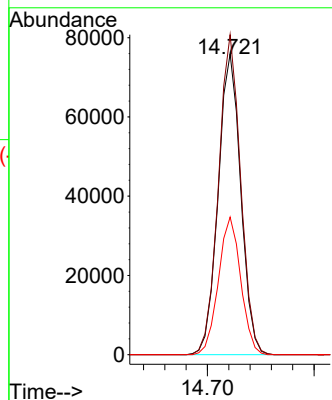


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.721 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

Instrument :
BNA_G
ClientSampleId :

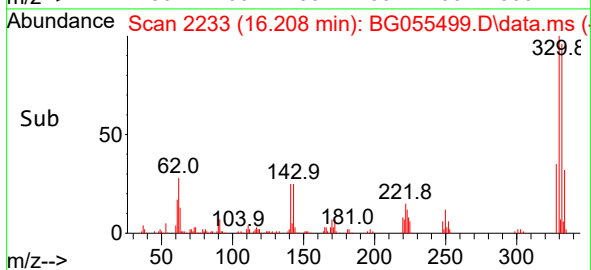
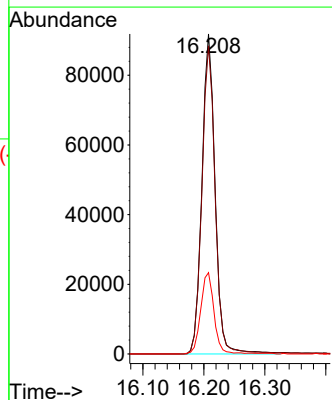
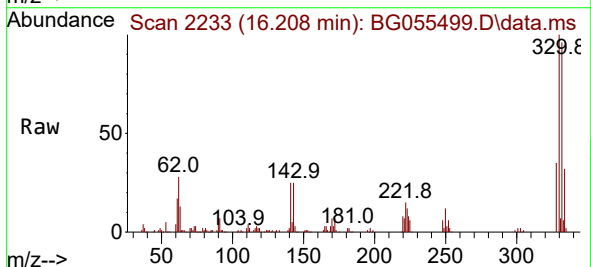


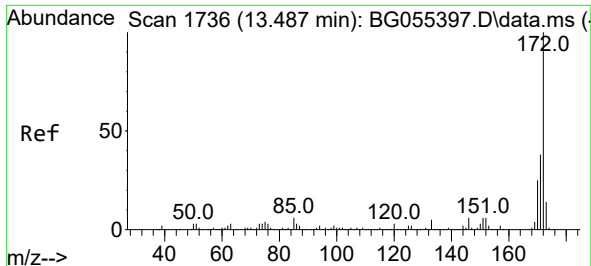
Tgt Ion:164 Resp: 111067
Ion Ratio Lower Upper
164 100
162 106.4 81.1 121.7
160 45.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 91.226 ng
RT: 16.208 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

Tgt Ion:330 Resp: 138205
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.6
141 25.8 24.2 36.2

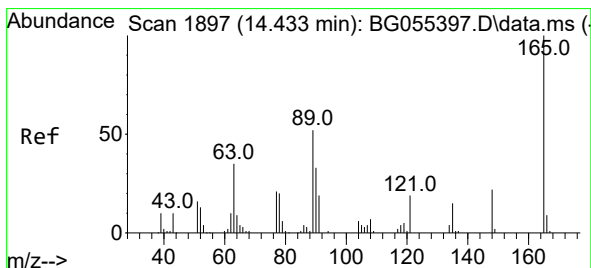
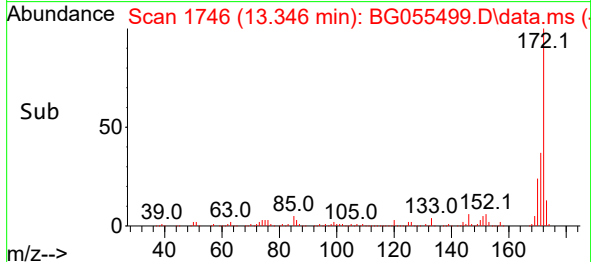
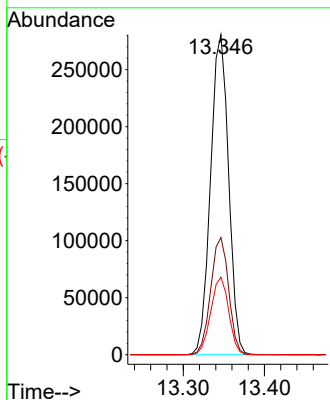
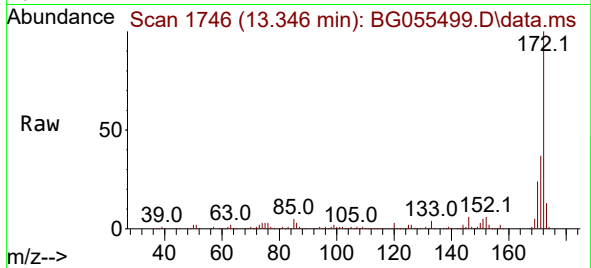




#45
2-Fluorobiphenyl
Concen: 57.755 ng
RT: 13.346 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

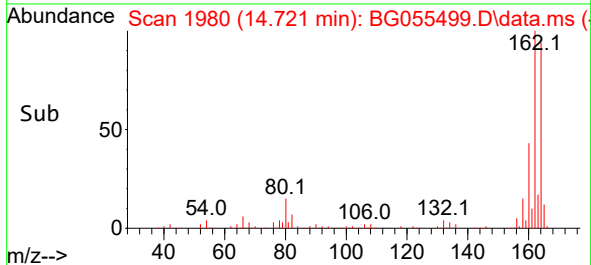
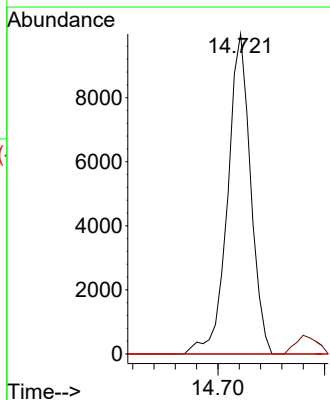
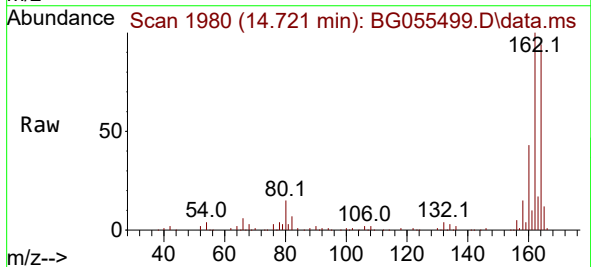
Instrument :
BNA_G
ClientSampleId :

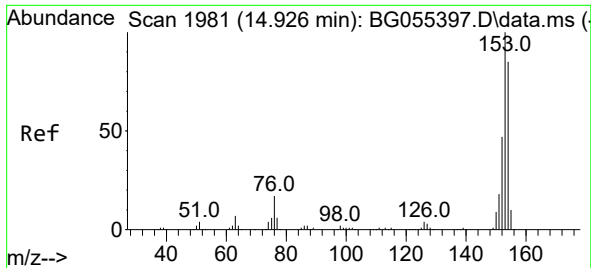
Tgt Ion:172 Resp: 432648
Ion Ratio Lower Upper
172 100
171 36.6 30.2 45.2
170 24.2 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 7.708 ng
RT: 14.721 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

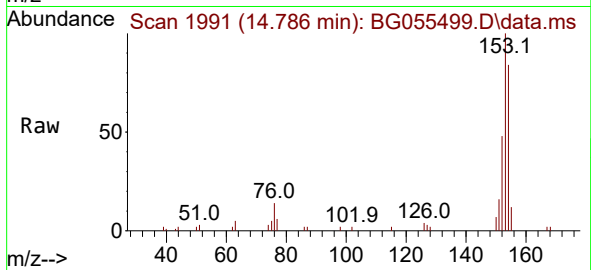
Tgt Ion:165 Resp: 14961
Ion Ratio Lower Upper
165 100
63 0.0 38.2 57.4#
89 0.0 41.8 62.6#



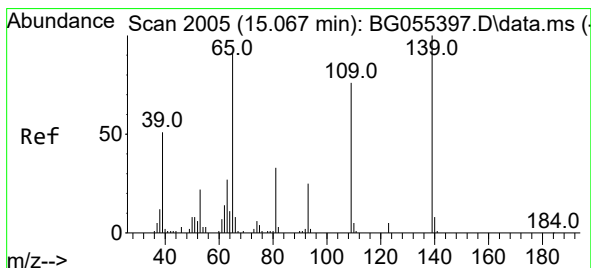
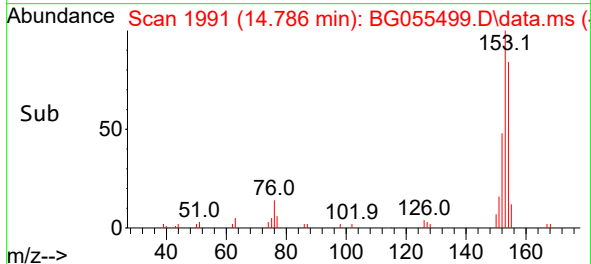
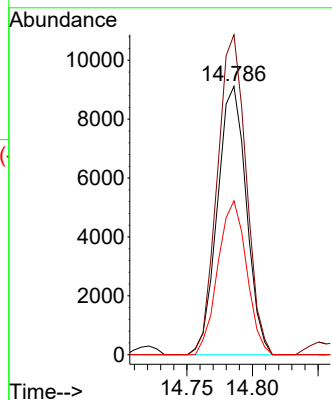


#52
Acenaphthene
Concen: 2.176 ng
RT: 14.786 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

Instrument :
BNA_G
ClientSampleId :

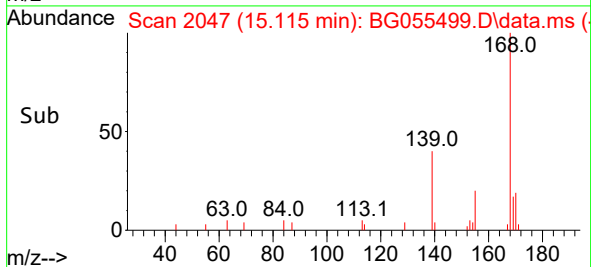
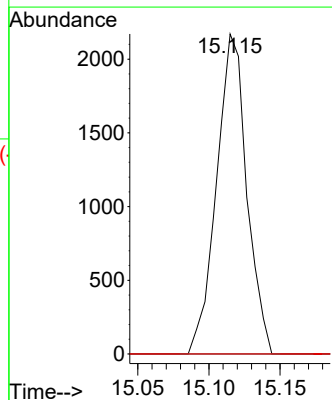
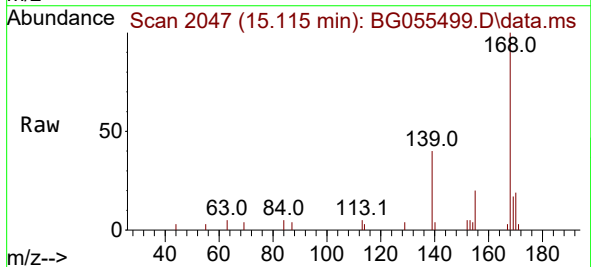


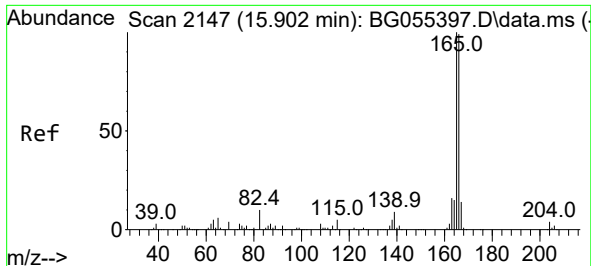
Tgt Ion:154 Resp: 13966
Ion Ratio Lower Upper
154 100
153 119.2 94.6 141.8
152 57.4 44.7 67.1



#56
4-Nitrophenol
Concen: 2.147 ng
RT: 15.115 min Scan# 2047
Delta R.T. 0.158 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

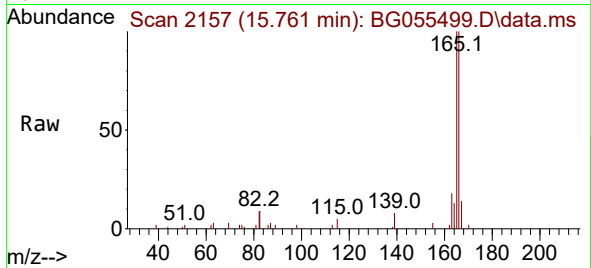
Tgt Ion:139 Resp: 3211
Ion Ratio Lower Upper
139 100
109 0.0 56.1 96.1#
65 0.0 71.2 111.2#



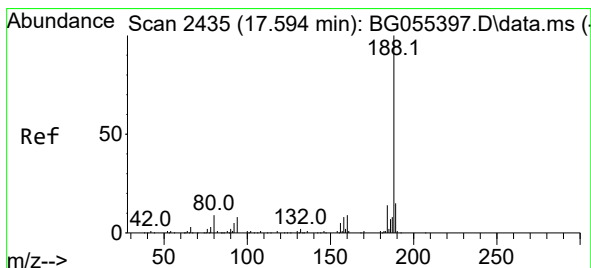
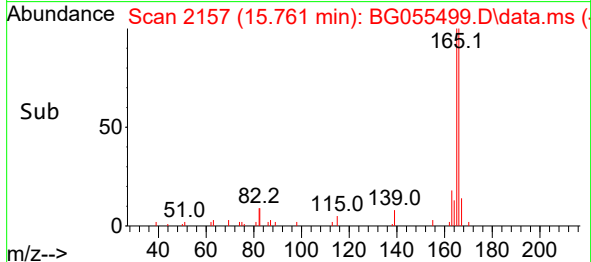
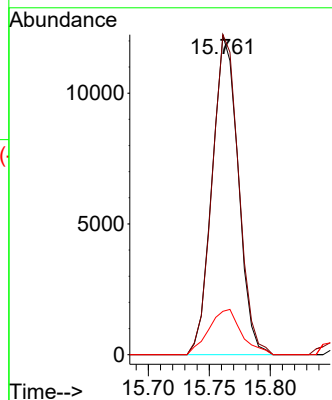


#58
Fluorene
Concen: 2.104 ng
RT: 15.761 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

Instrument :
BNA_G
ClientSampleId :

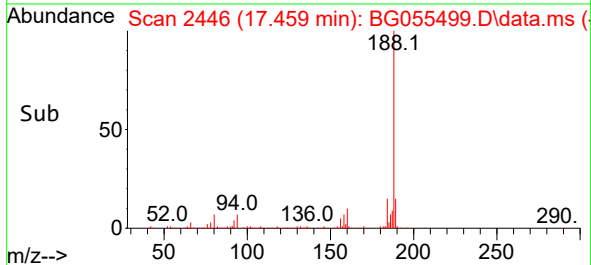
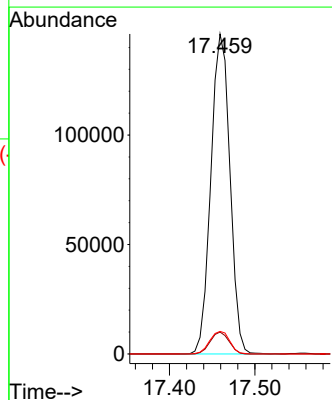
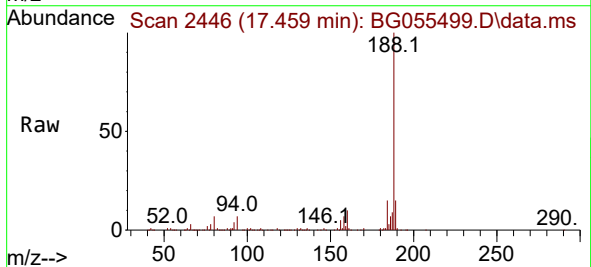


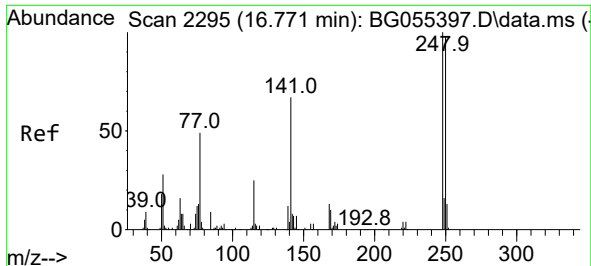
Tgt Ion:166 Resp: 18160
Ion Ratio Lower Upper
166 100
165 100.2 81.0 121.6
167 13.6 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.459 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

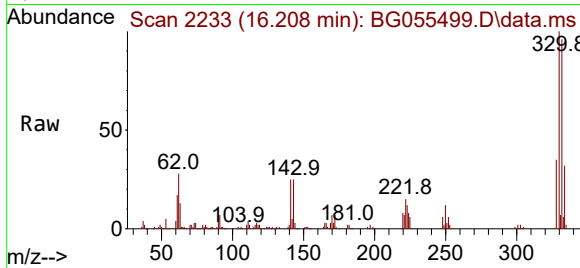
Tgt Ion:188 Resp: 227089
Ion Ratio Lower Upper
188 100
94 6.9 6.5 9.7
80 7.0 7.4 11.0#



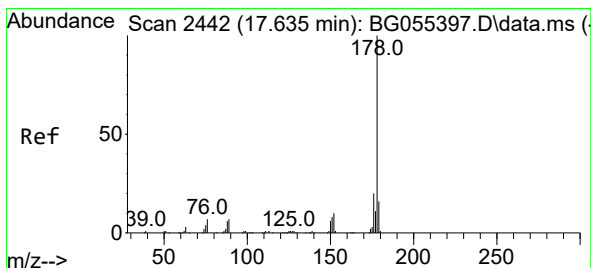
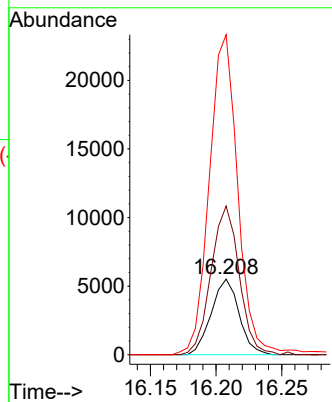
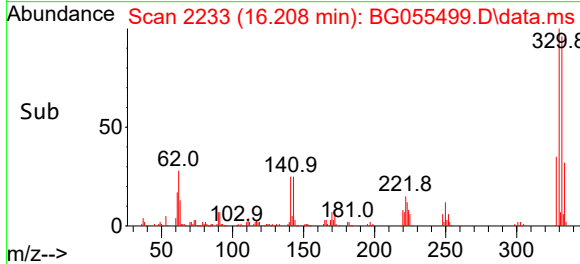


#67
4-Bromophenyl-phenylether
Concen: 3.024 ng
RT: 16.208 min Scan# 211
Delta R.T. -0.435 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

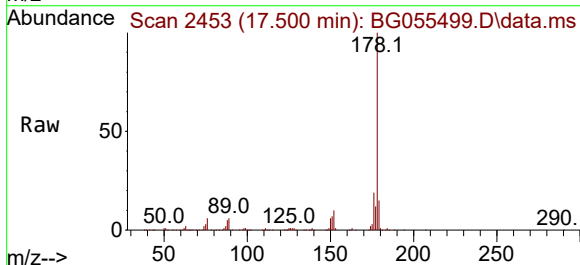
Instrument :
BNA_G
ClientSampleId :



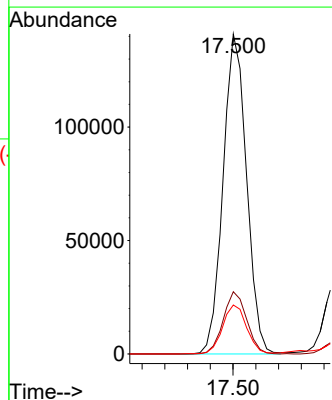
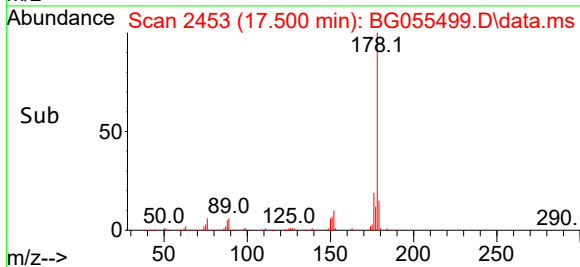
Tgt Ion:248 Resp: 8117
Ion Ratio Lower Upper
248 100
250 196.8 78.3 117.5#
141 423.5 53.7 80.5#

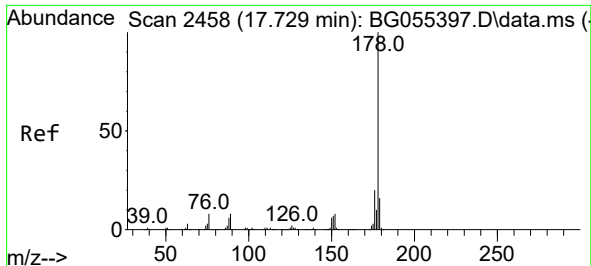


#71
Phenanthrene
Concen: 15.837 ng
RT: 17.500 min Scan# 2453
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50



Tgt Ion:178 Resp: 202296
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.3 12.7 19.1

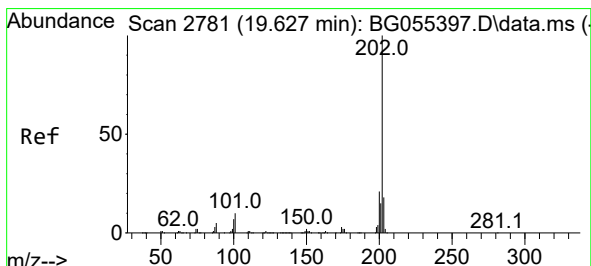
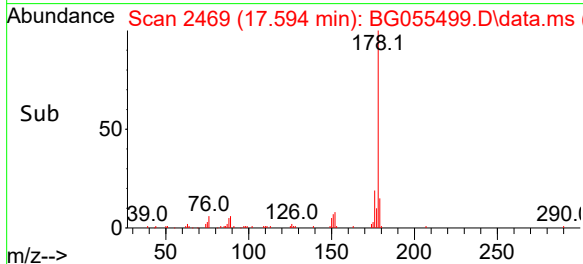
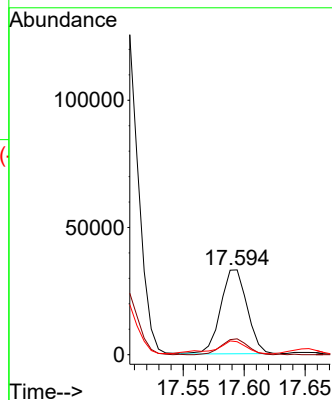
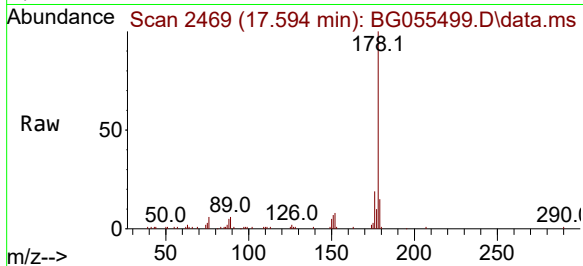




#72
 Anthracene
 Concen: 3.997 ng
 RT: 17.594 min Scan# 2458
 Delta R.T. -0.001 min
 Lab File: BG055499.D
 Acq: 8 Nov 2022 5:50

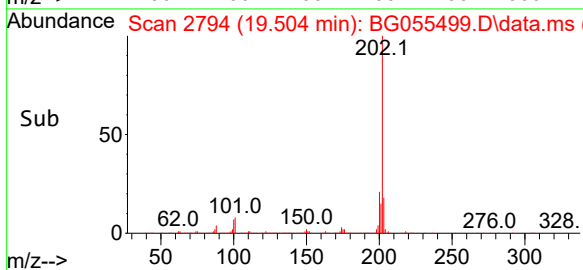
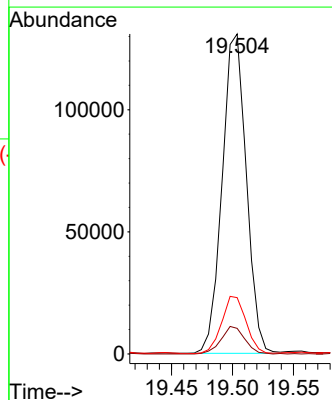
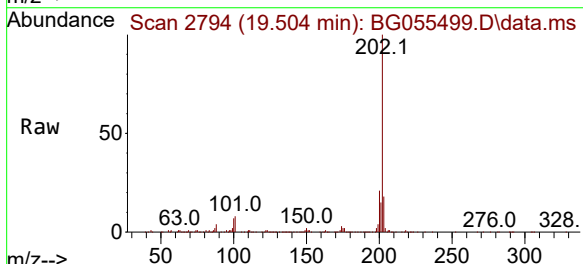
Instrument :
 BNA_G
 ClientSampleId :

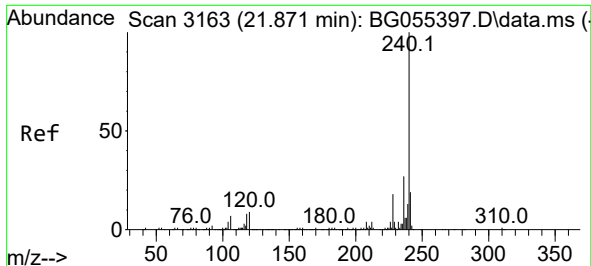
Tgt Ion:178 Resp: 50038
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.7 23.5
 179 15.3 13.0 19.6



#75
 Fluoranthene
 Concen: 11.754 ng
 RT: 19.504 min Scan# 2794
 Delta R.T. -0.001 min
 Lab File: BG055499.D
 Acq: 8 Nov 2022 5:50

Tgt Ion:202 Resp: 180596
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 29.8
 203 17.6 0.0 38.1

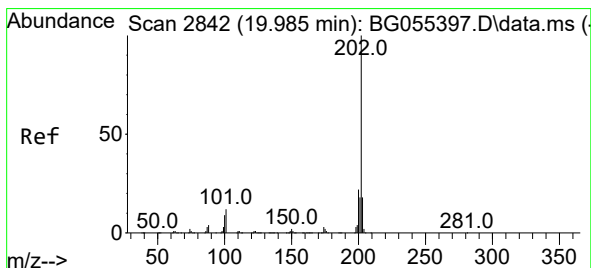
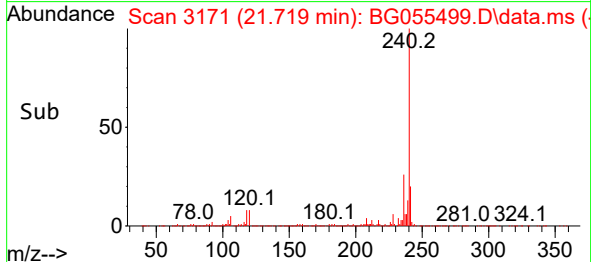
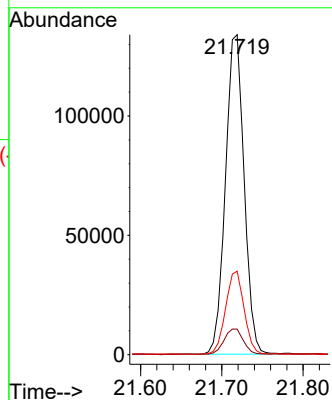
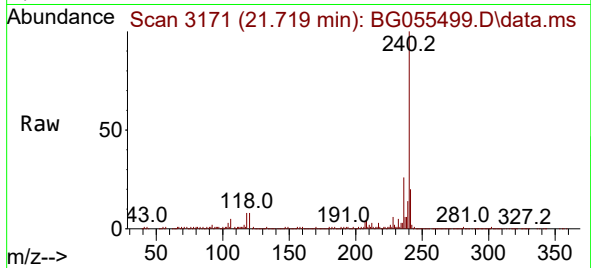




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

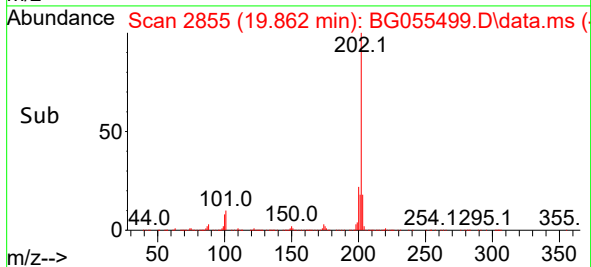
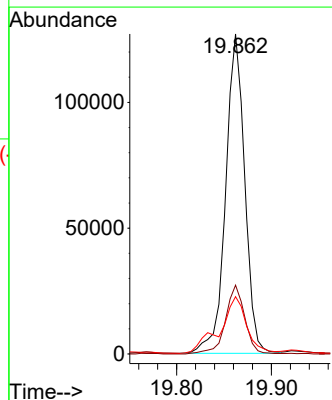
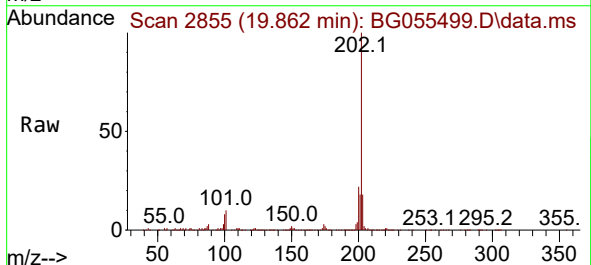
Instrument :
BNA_G
ClientSampleId :

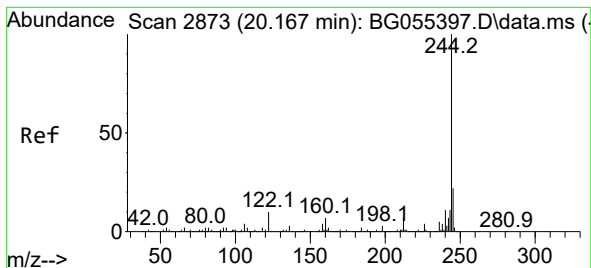
Tgt Ion:240 Resp: 214057
Ion Ratio Lower Upper
240 100
120 8.0 6.9 10.3
236 26.1 21.5 32.3



#78
Pyrene
Concen: 11.788 ng
RT: 19.862 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BG055499.D
Acq: 8 Nov 2022 5:50

Tgt Ion:202 Resp: 178004
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.9 14.7 22.1





#79

Terphenyl-d14

Concen: 54.855 ng

RT: 20.050 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

Instrument :

BNA_G

ClientSampleId :

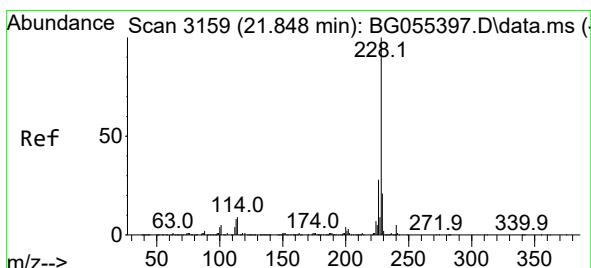
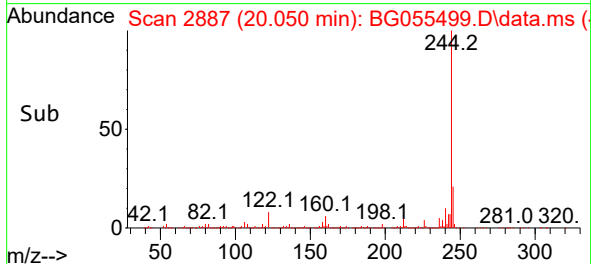
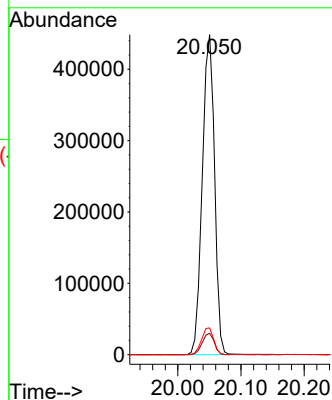
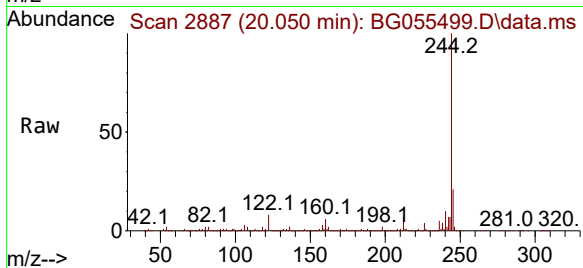
Tgt Ion:244 Resp: 603848

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 8.4 7.8 11.6



#81

Benzo(a)anthracene

Concen: 6.439 ng

RT: 21.695 min Scan# 3167

Delta R.T. -0.006 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

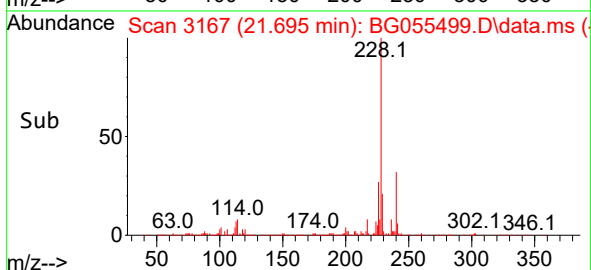
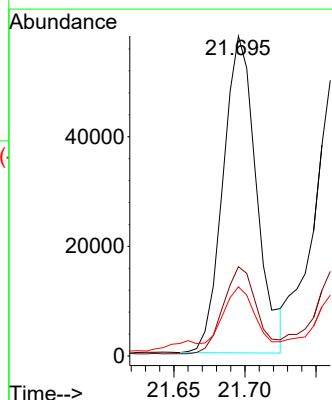
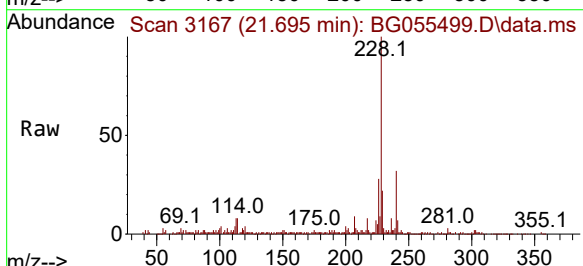
Tgt Ion:228 Resp: 94616

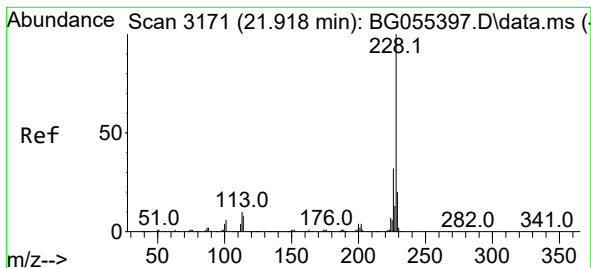
Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

229 21.6 16.5 24.7





#83

Chrysene

Concen: 6.414 ng

RT: 21.760 min Scan# 3171

Delta R.T. -0.012 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

Instrument :

BNA_G

ClientSampleId :

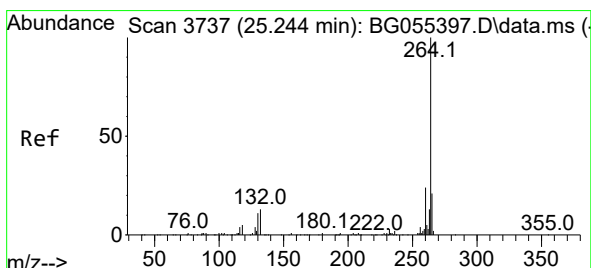
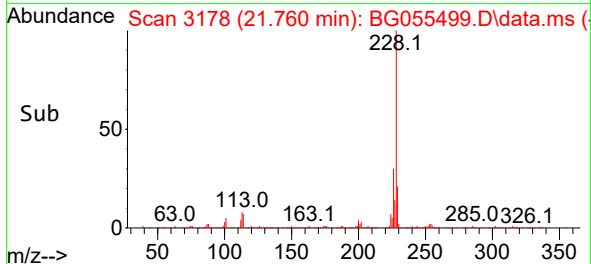
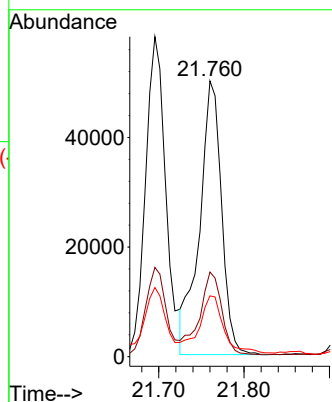
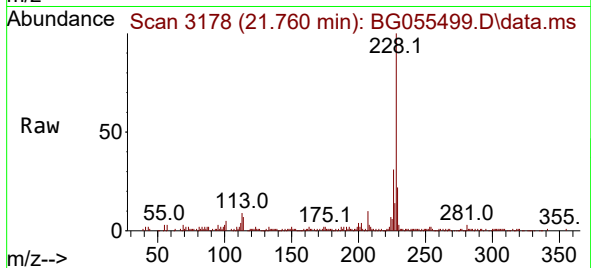
Tgt Ion:228 Resp: 89914

Ion Ratio Lower Upper

228 100

226 30.7 25.2 37.8

229 22.0 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.980 min Scan# 3726

Delta R.T. -0.006 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

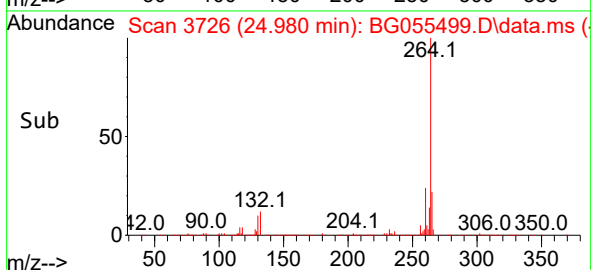
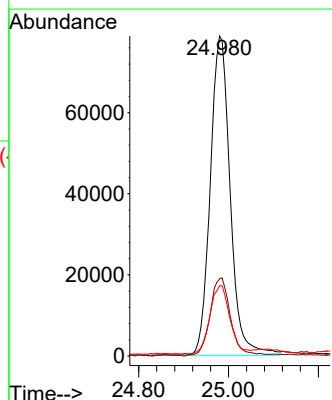
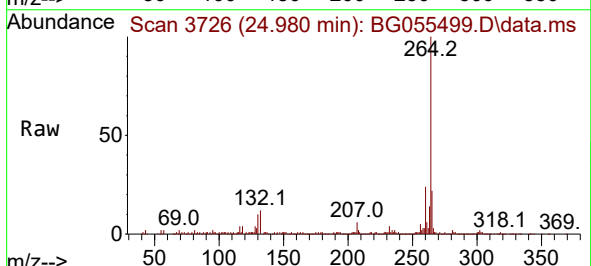
Tgt Ion:264 Resp: 242120

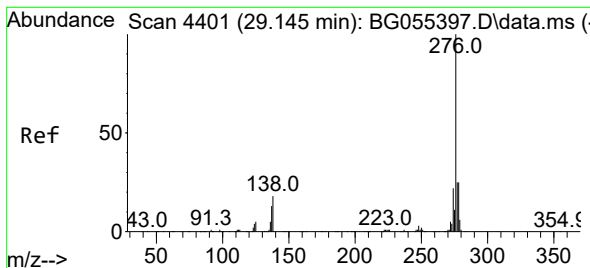
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 22.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.445 ng

RT: 28.722 min Scan# 41

Delta R.T. -0.024 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

Instrument :

BNA_G

ClientSampleId :

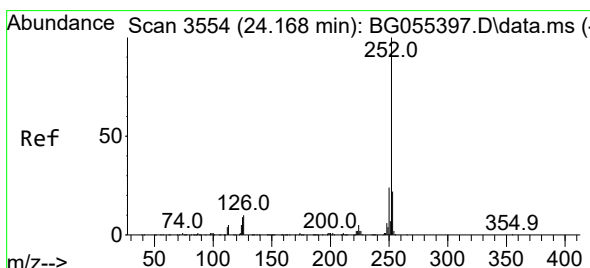
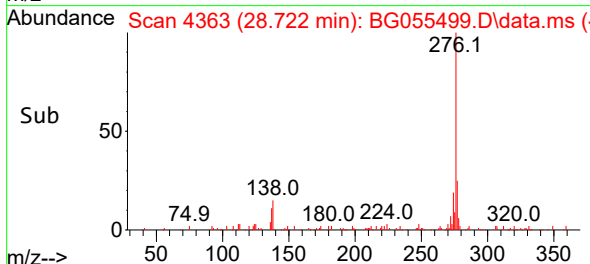
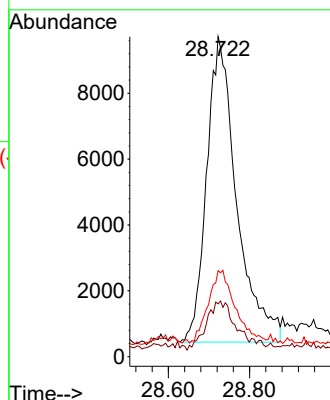
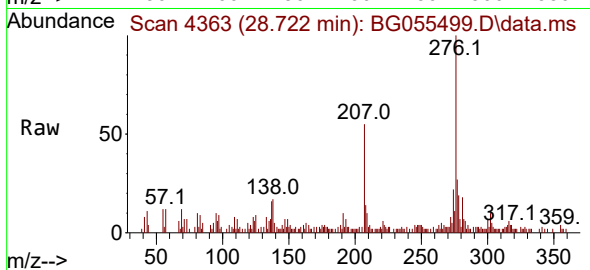
Tgt Ion:276 Resp: 47527

Ion Ratio Lower Upper

276 100

138 15.1 16.2 24.2#

277 21.5 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 7.721 ng

RT: 23.946 min Scan# 3550

Delta R.T. -0.001 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

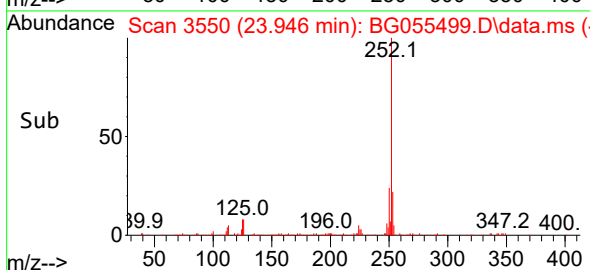
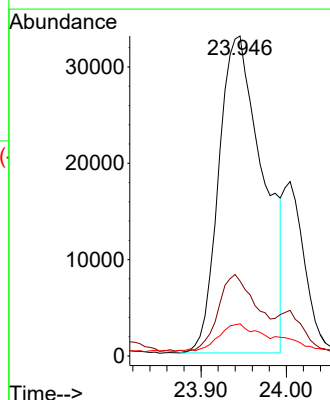
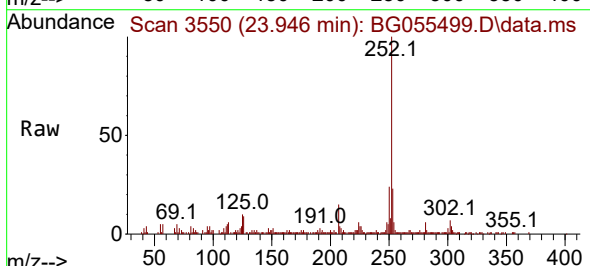
Tgt Ion:252 Resp: 118751

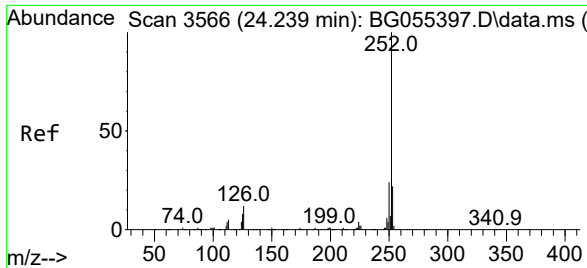
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 10.0 6.8 10.2





#89

Benzo(k)fluoranthene

Concen: 7.684 ng

RT: 23.946 min Scan# 3

Delta R.T. -0.071 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

Instrument :

BNA_G

ClientSampleId :

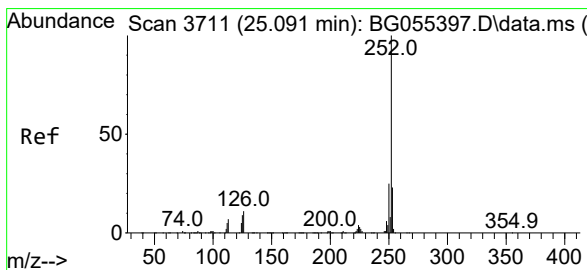
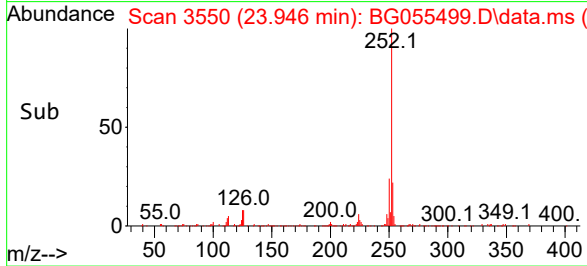
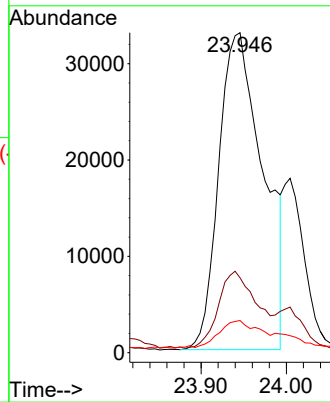
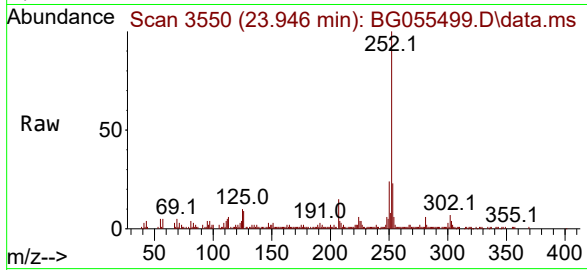
Tgt Ion:252 Resp: 118751

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 10.0 6.9 10.3



#90

Benzo(a)pyrene

Concen: 6.124 ng

RT: 24.821 min Scan# 3699

Delta R.T. -0.018 min

Lab File: BG055499.D

Acq: 8 Nov 2022 5:50

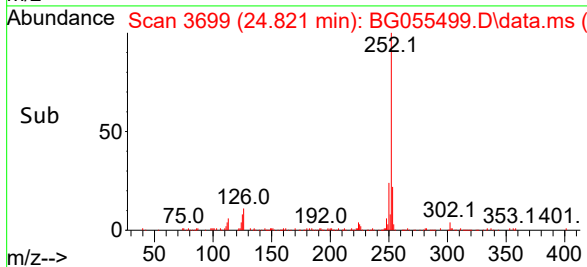
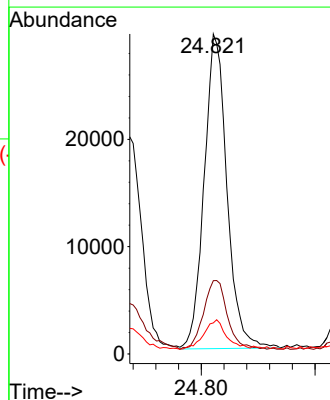
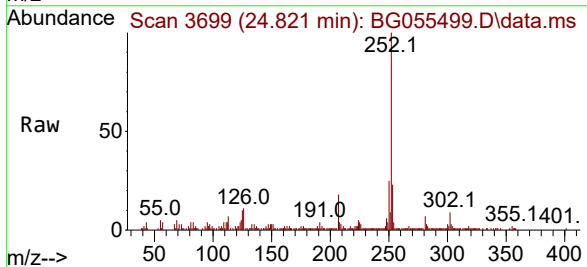
Tgt Ion:252 Resp: 81442

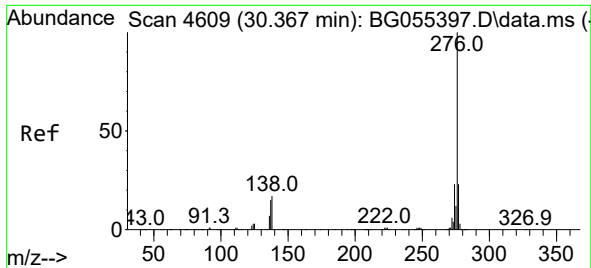
Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

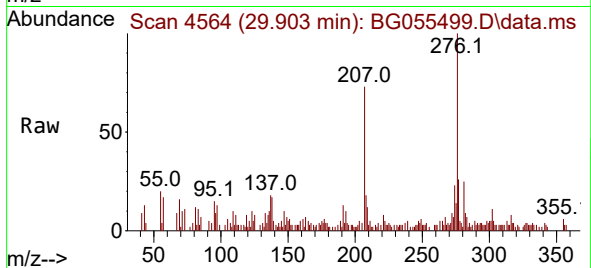
125 9.7 7.1 10.7





#92
 Benzo(g,h,i)perylene
 Concen: 2.577 ng
 RT: 29.903 min Scan# 41
 Delta R.T. -0.024 min
 Lab File: BG055499.D
 Acq: 8 Nov 2022 5:50

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:	276	Resp:	41103
Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	17.0	13.4	20.0

