

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055583.D
 Acq On : 12 Nov 2022 2:34
 Operator : CG/JU
 Sample : N5509-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Quant Time: Nov 12 03:25:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

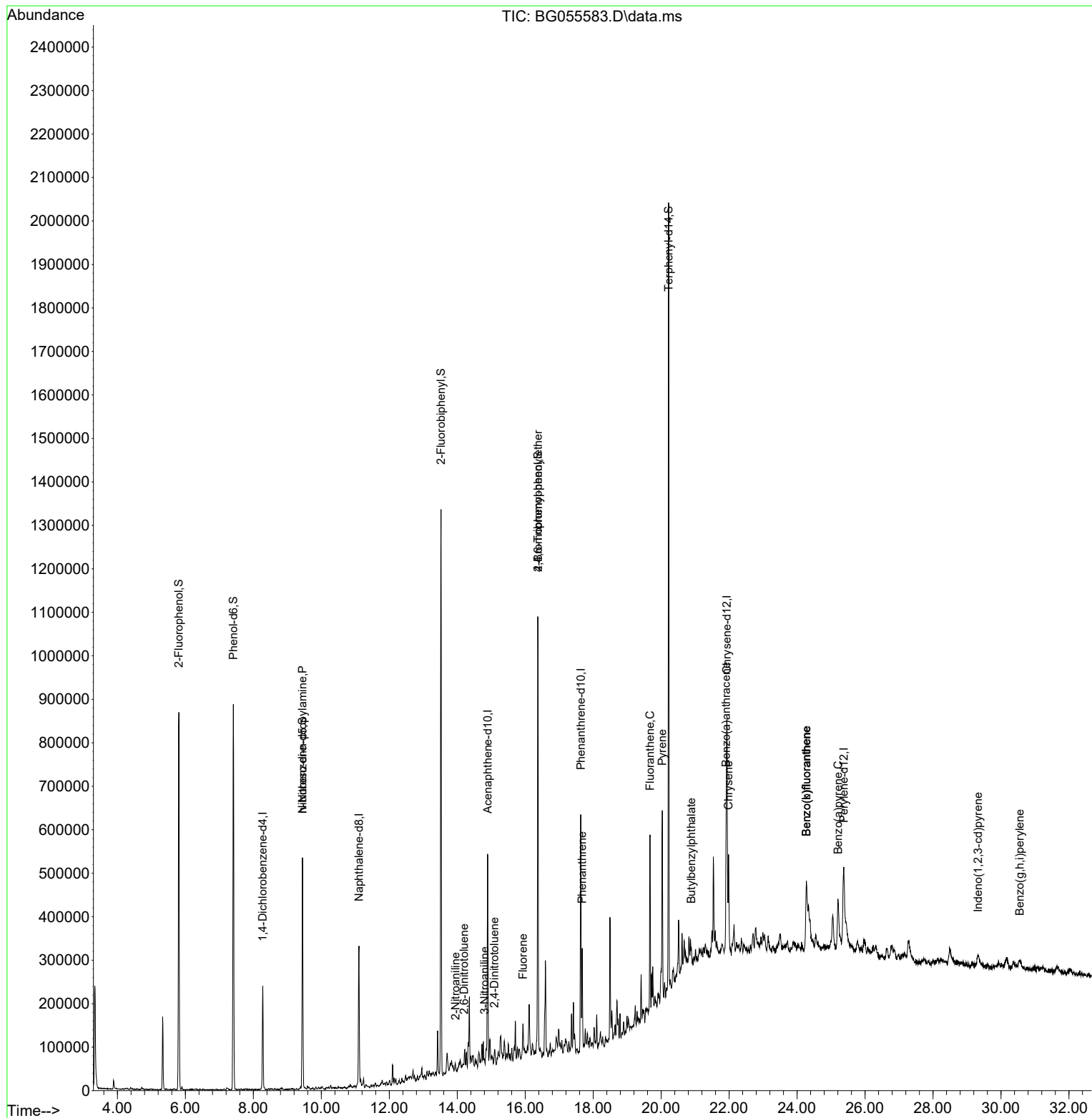
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	67302	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	266810	20.000	ng	0.00
39) Acenaphthene-d10	14.897	164	169633	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	348768	20.000	ng	0.00
76) Chrysene-d12	21.936	240	319360	20.000	ng	0.00
86) Perylene-d12	25.373	264	296159	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.808	112	376949	106.681	ng	0.02
7) Phenol-d6	7.412	99	484517	99.269	ng	0.01
23) Nitrobenzene-d5	9.445	82	310439	78.877	ng	0.00
42) 2,4,6-Tribromophenol	16.372	330	201914	121.994	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	662747	58.932	ng	0.00
79) Terphenyl-d14	20.220	244	899474	56.571	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.445	70	42717	10.590	ng	# 77
48) 2-Nitroaniline	13.951	65	153	3.844	ng	# 32
51) 2,6-Dinitrotoluene	14.204	165	1245	3.666	ng	# 68
53) 3-Nitroaniline	14.803	138	599	3.981	ng	# 33
57) 2,4-Dinitrotoluene	15.091	165	790	3.867	ng	# 60
58) Fluorene	15.937	166	32692	2.596	ng	96
67) 4-Bromophenyl-phenylether	16.372	248	12955	3.641	ng	# 1
71) Phenanthrene	17.676	178	143338	7.647	ng	99
75) Fluoranthene	19.674	202	271203	12.133	ng	99
78) Pyrene	20.032	202	280586	12.982	ng	98
80) Butylbenzylphthalate	20.884	149	1355	3.517	ng	# 21
81) Benzo(a)anthracene	21.913	228	183832	8.404	ng	97
83) Chrysene	21.983	228	171922	8.265	ng	98
87) Indeno(1,2,3-cd)pyrene	29.322	276	67324	2.985	ng	# 72
88) Benzo(b)fluoranthene	24.275	252	251179	13.386	ng	96
89) Benzo(k)fluoranthene	24.275	252	251179	13.093	ng	96
90) Benzo(a)pyrene	25.203	252	170790	10.566	ng	# 93
92) Benzo(g,h,i)perylene	30.555	276	59016	3.233	ng	# 85

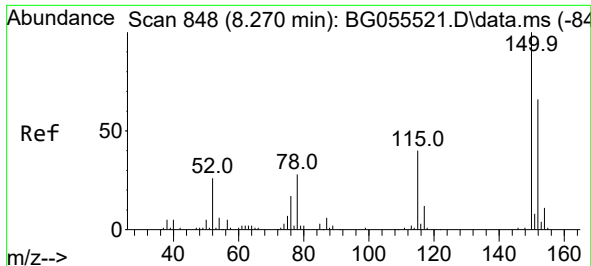
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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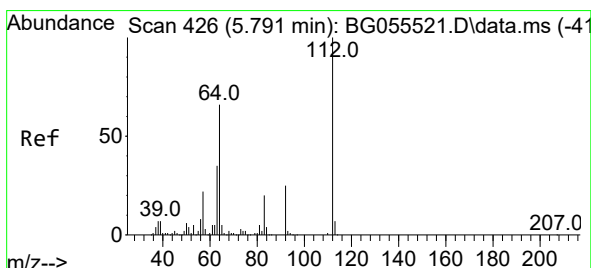
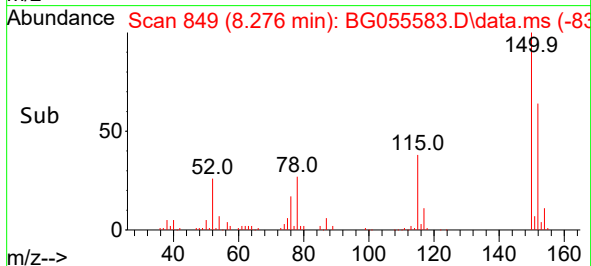
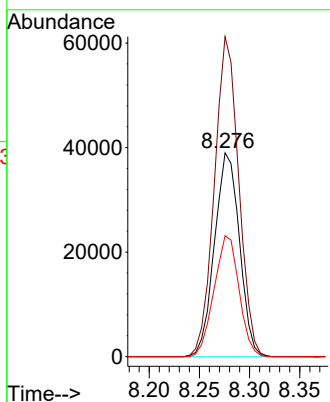
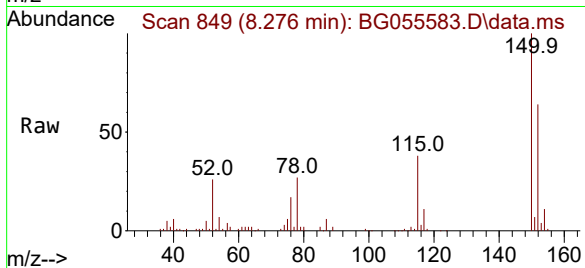




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.006 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

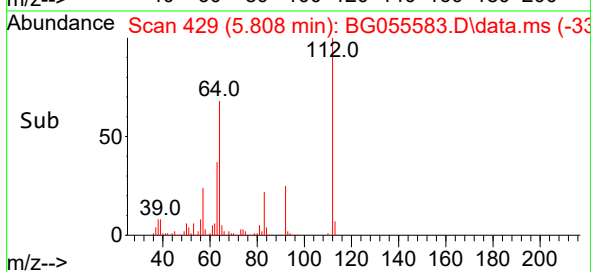
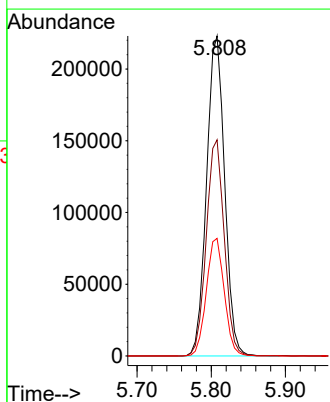
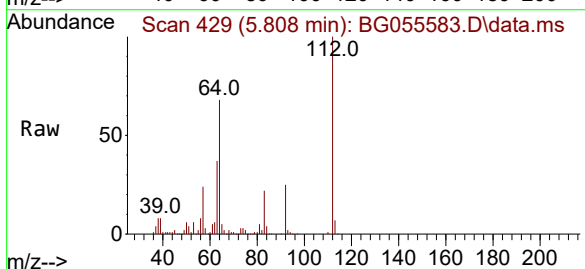
Instrument :
BNA_G
ClientSampleId :
TP-12

Tgt Ion:152 Resp: 67302
Ion Ratio Lower Upper
152 100
150 157.0 121.0 181.4
115 59.4 47.8 71.8



#5
2-Fluorophenol
Concen: 106.681 ng
RT: 5.808 min Scan# 429
Delta R.T. 0.017 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:112 Resp: 376949
Ion Ratio Lower Upper
112 100
64 67.5 52.6 78.8
63 36.8 28.3 42.5

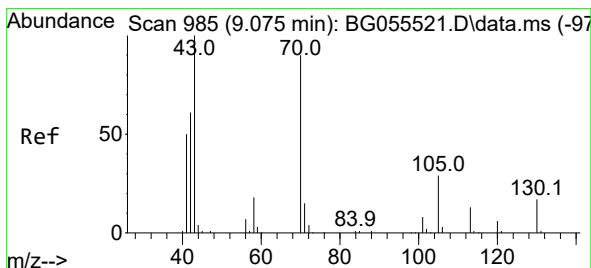
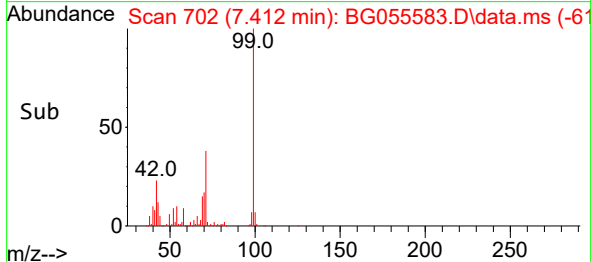
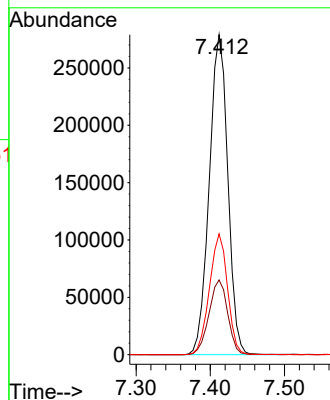
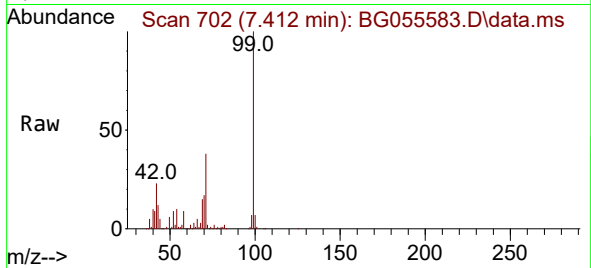




#7
Phenol-d6
Concen: 99.269 ng
RT: 7.412 min Scan# 700
Delta R.T. 0.011 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

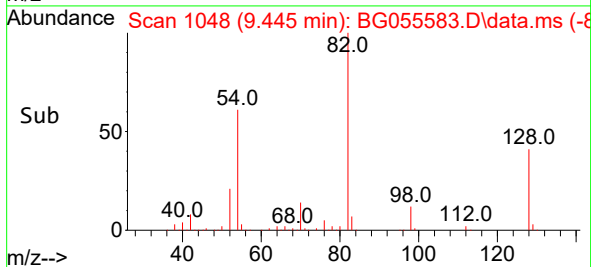
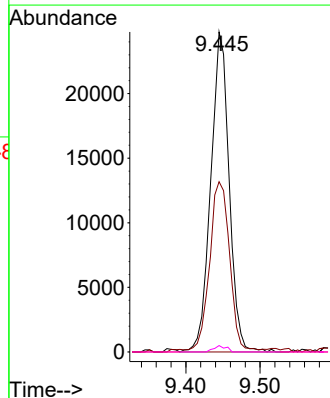
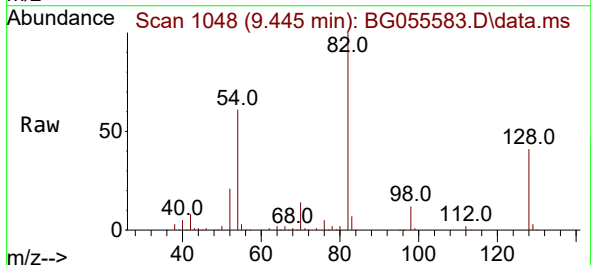
Instrument :
BNA_G
ClientSampleId :
TP-12

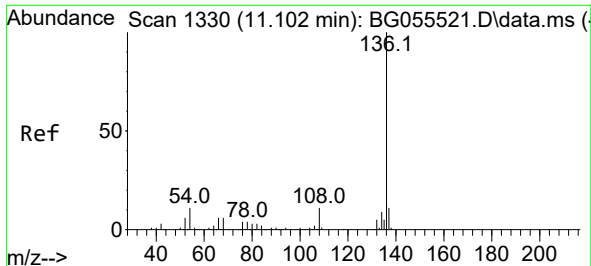
Tgt Ion: 99 Resp: 484517
Ion Ratio Lower Upper
99 100
42 23.4 17.5 26.3
71 37.8 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.590 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.370 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion: 70 Resp: 42717
Ion Ratio Lower Upper
70 100
42 53.2 54.8 82.2#
101 0.0 6.8 10.2#
130 2.0 14.9 22.3#

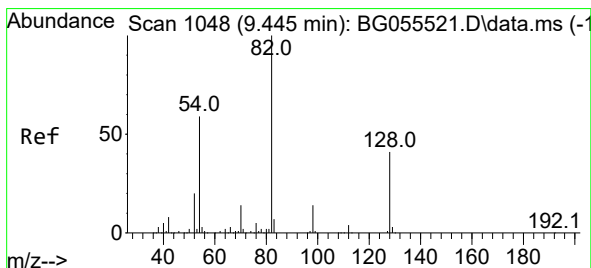
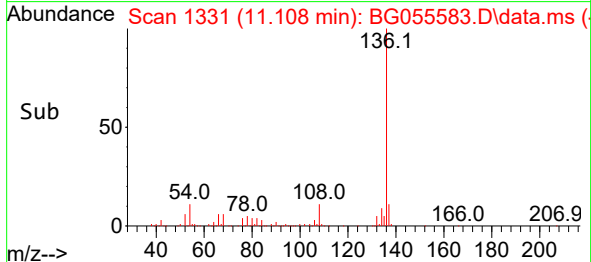
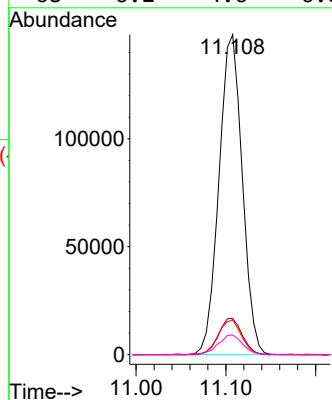
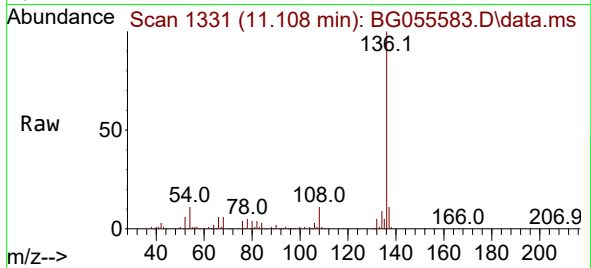




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

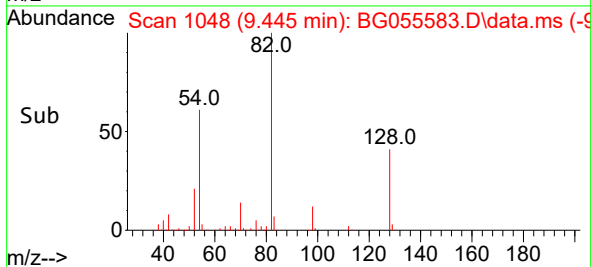
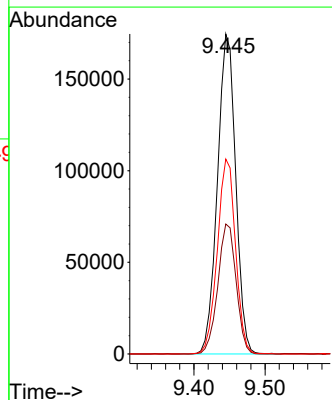
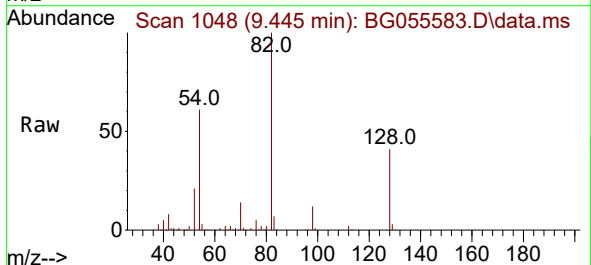
Instrument :
BNA_G
ClientSampleId :
TP-12

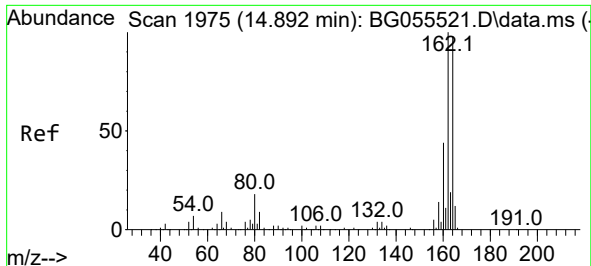
Tgt Ion:136 Resp: 266810
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.9 8.6 12.8
68 6.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 78.877 ng
RT: 9.445 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion: 82 Resp: 310439
Ion Ratio Lower Upper
82 100
128 40.6 32.6 49.0
54 60.9 47.3 70.9

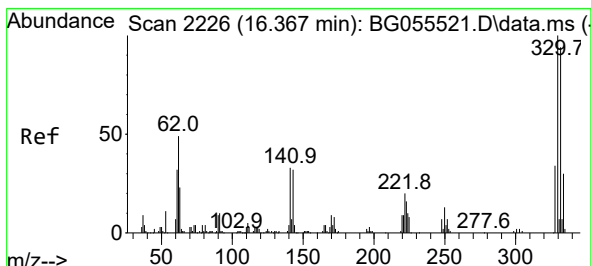
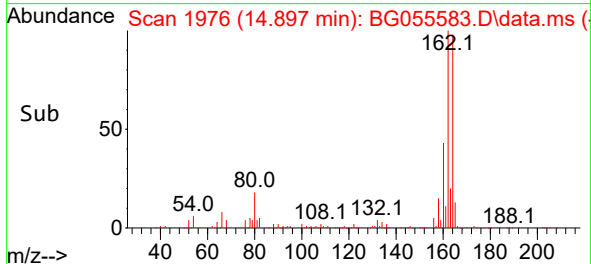
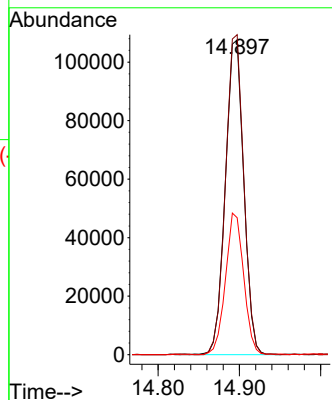
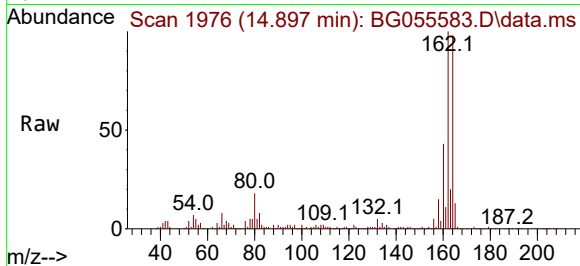




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.897 min Scan# 1975
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

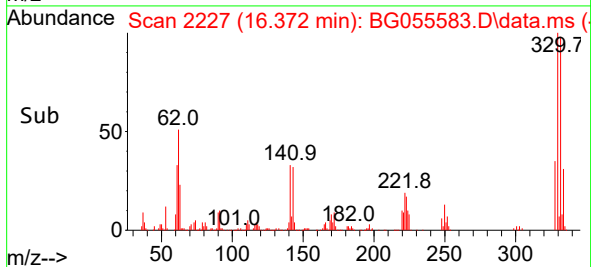
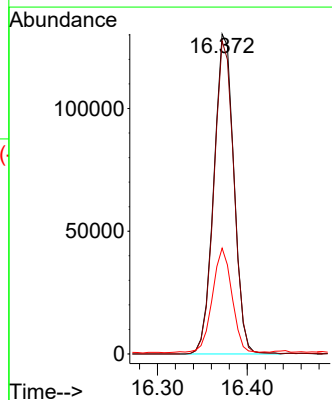
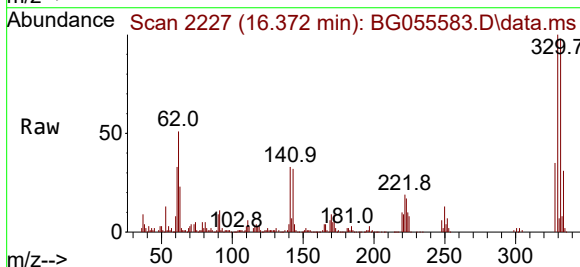
Instrument :
BNA_G
ClientSampleId :
TP-12

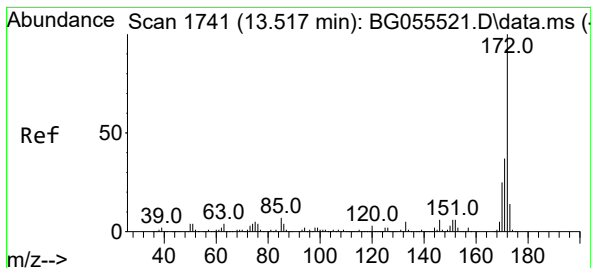
Tgt Ion:164 Resp: 169633
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 43.5 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 121.994 ng
RT: 16.372 min Scan# 2227
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:330 Resp: 201914
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.2
141 31.9 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 58.932 ng

RT: 13.522 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

Instrument :

BNA_G

ClientSampleId :

TP-12

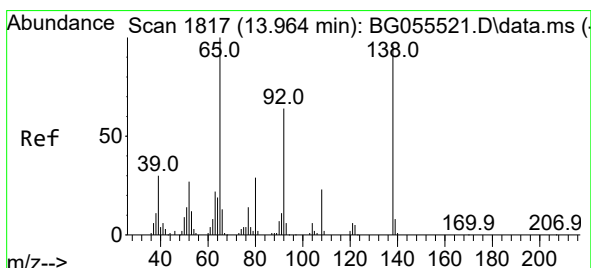
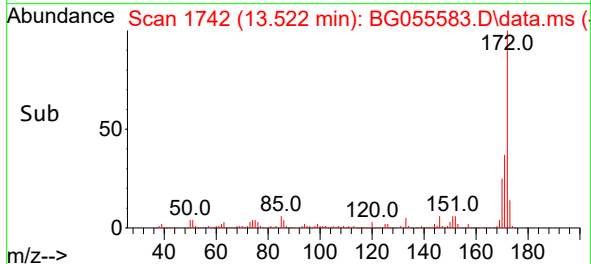
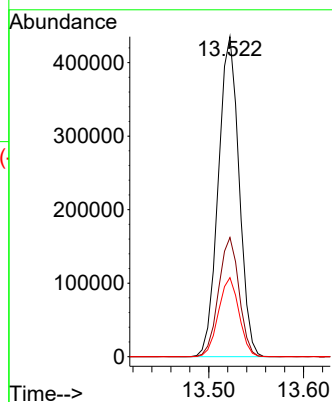
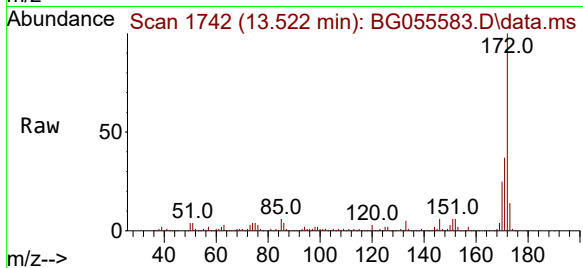
Tgt Ion:172 Resp: 662747

Ion Ratio Lower Upper

172 100

171 37.3 29.7 44.5

170 24.7 19.8 29.6



#48

2-Nitroaniline

Concen: 3.844 ng

RT: 13.951 min Scan# 1815

Delta R.T. -0.013 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

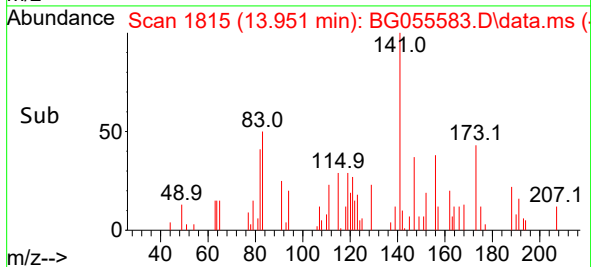
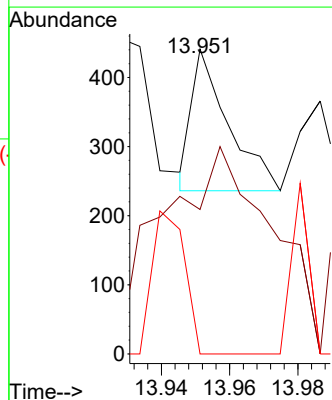
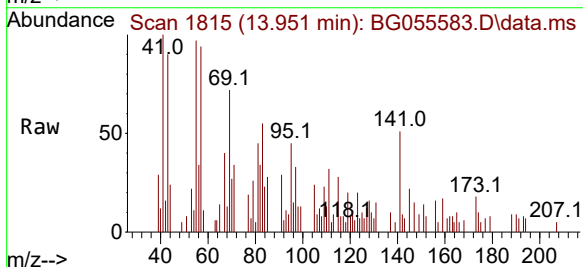
Tgt Ion: 65 Resp: 153

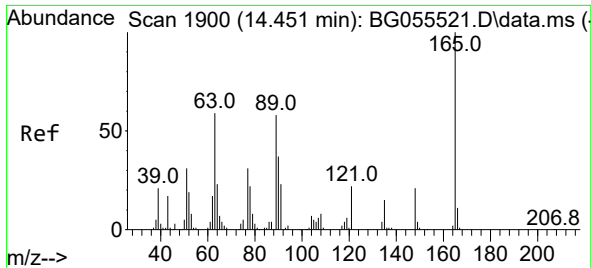
Ion Ratio Lower Upper

65 100

92 47.4 51.6 77.4#

138 0.0 77.0 115.4#

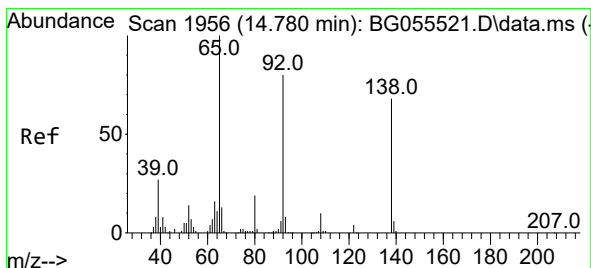
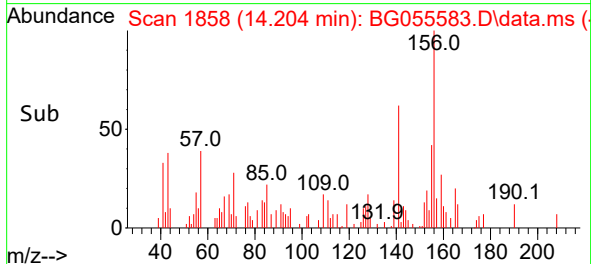
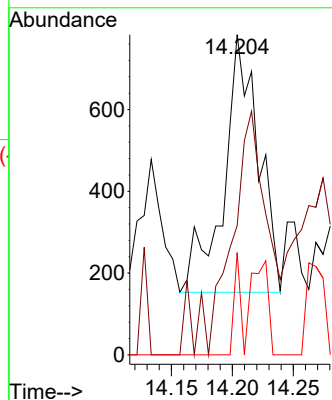
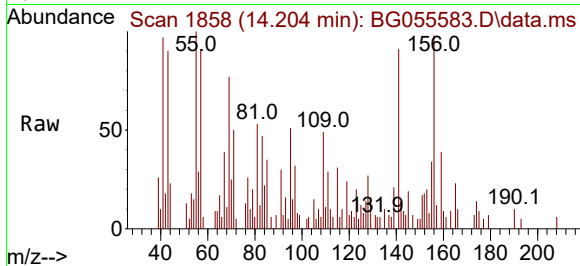




#51
2,6-Dinitrotoluene
Concen: 3.666 ng
RT: 14.204 min Scan# 11
Delta R.T. -0.247 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

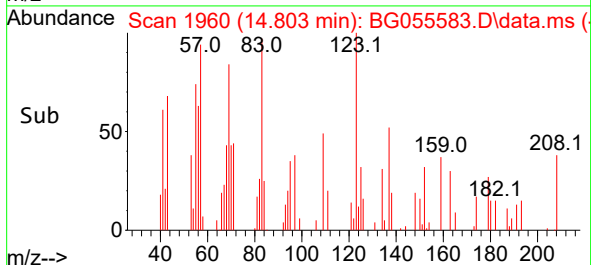
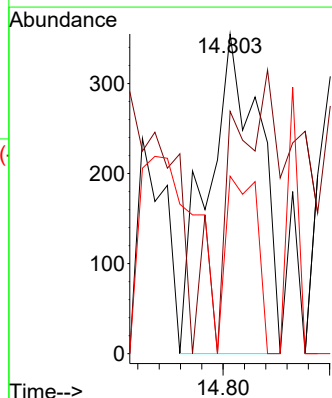
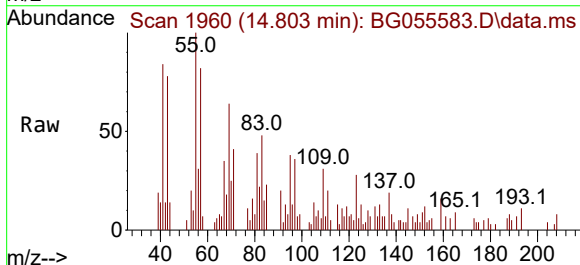
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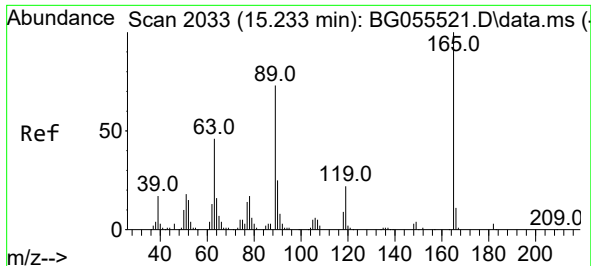
Tgt Ion:165 Resp: 1245
Ion Ratio Lower Upper
165 100
63 40.4 50.1 75.1#
89 31.9 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.981 ng
RT: 14.803 min Scan# 1960
Delta R.T. 0.023 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:138 Resp: 599
Ion Ratio Lower Upper
138 100
108 75.8 11.7 17.5#
92 55.5 94.3 141.5#

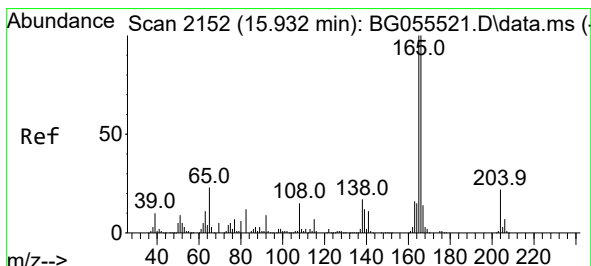
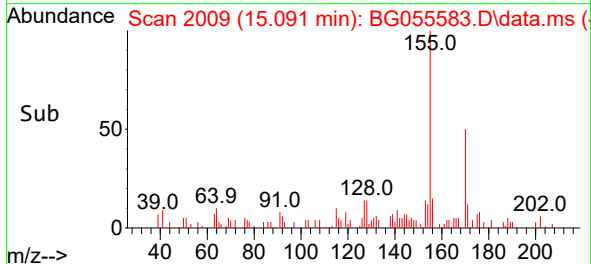
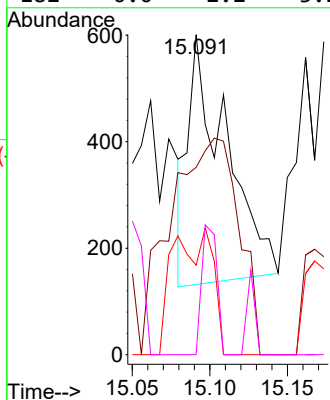
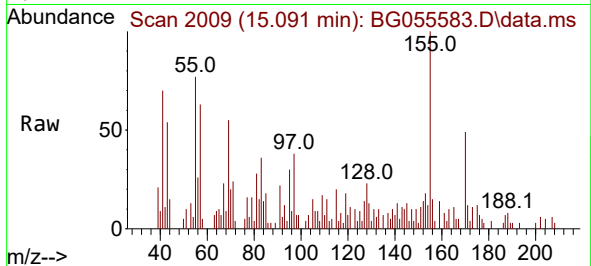




#57
2,4-Dinitrotoluene
Concen: 3.867 ng
RT: 15.091 min Scan# 2033
Delta R.T. -0.142 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

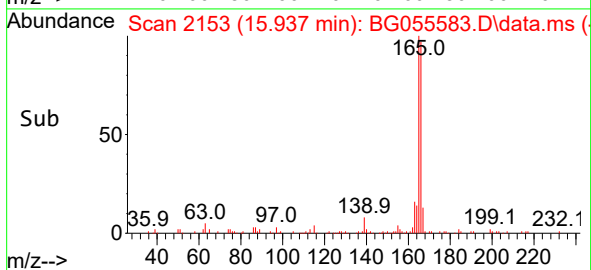
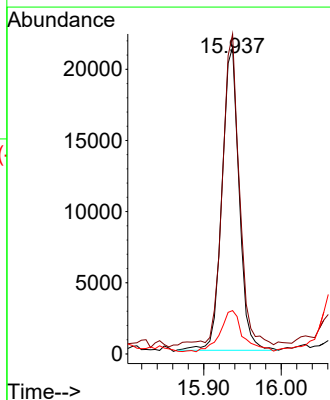
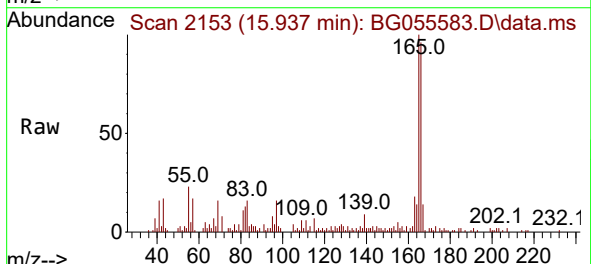
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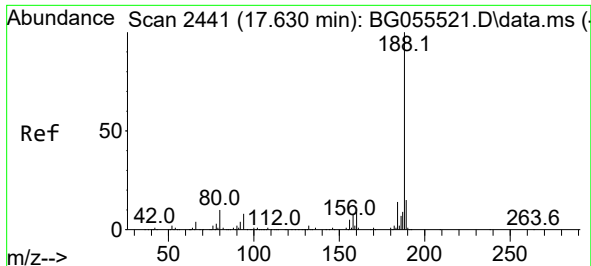
Tgt Ion:165 Resp: 790
Ion Ratio Lower Upper
165 100
63 58.6 37.0 55.4#
89 28.0 58.6 87.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.596 ng
RT: 15.937 min Scan# 2153
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:166 Resp: 32692
Ion Ratio Lower Upper
166 100
165 104.3 80.2 120.2
167 14.1 11.2 16.8

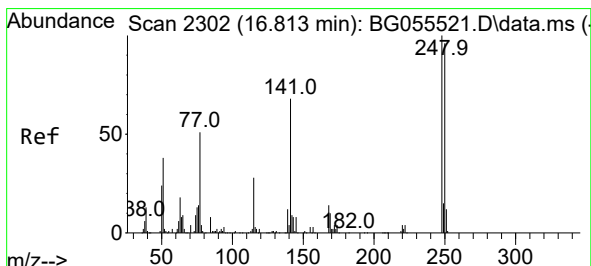
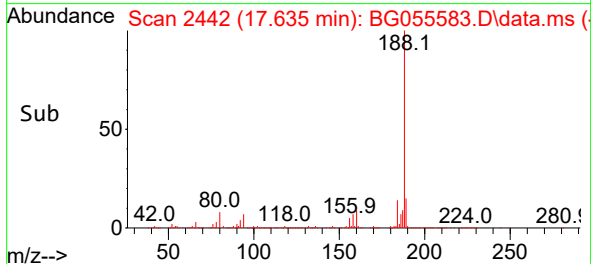
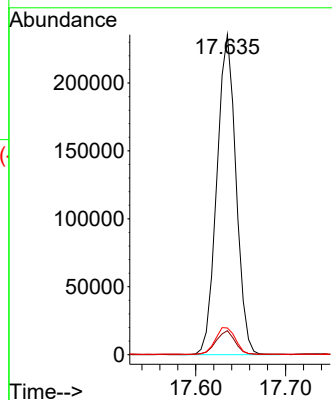
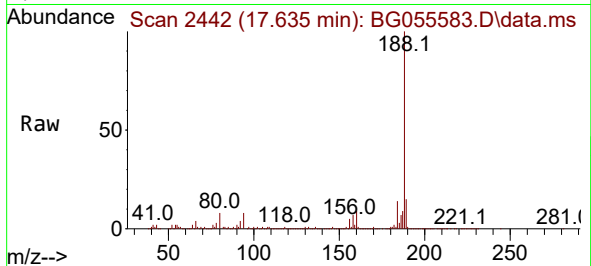




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.635 min Scan# 2441
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

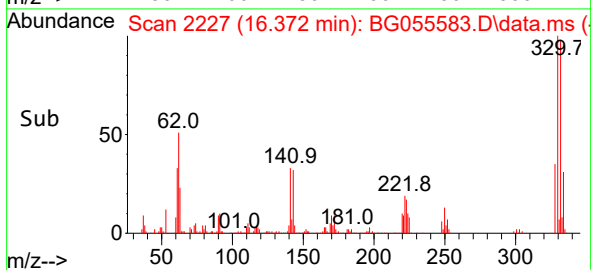
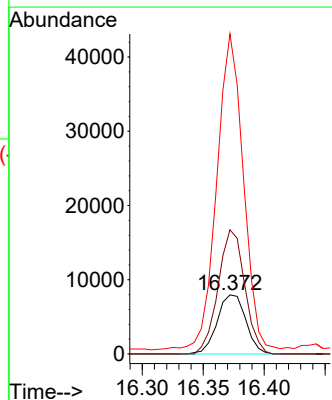
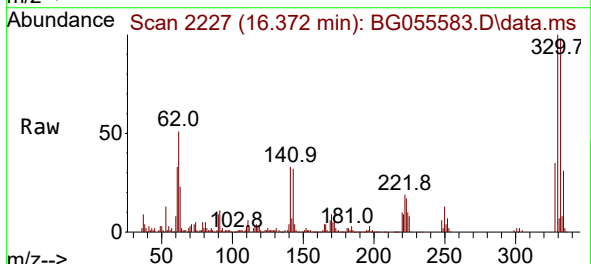
Instrument :
BNA_G
ClientSampleId :
TP-12

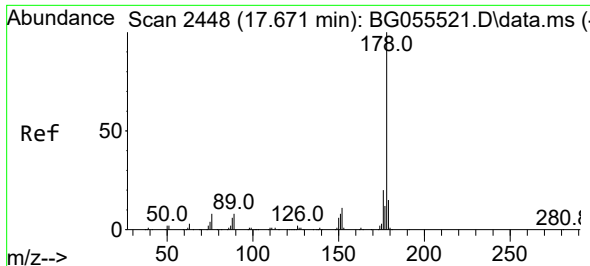
Tgt Ion:188 Resp: 348768
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.641 ng
RT: 16.372 min Scan# 2227
Delta R.T. -0.441 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:248 Resp: 12955
Ion Ratio Lower Upper
248 100
250 210.5 76.9 115.3#
141 542.2 54.3 81.5#

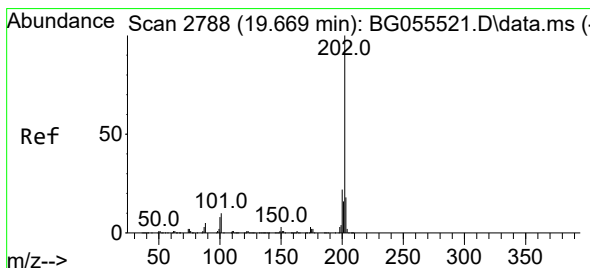
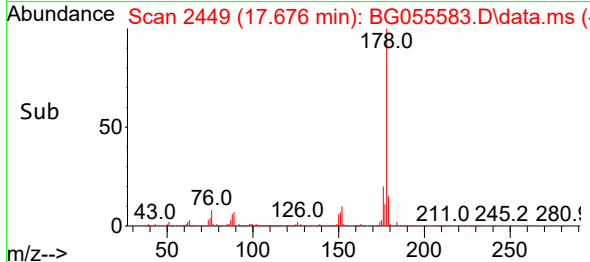
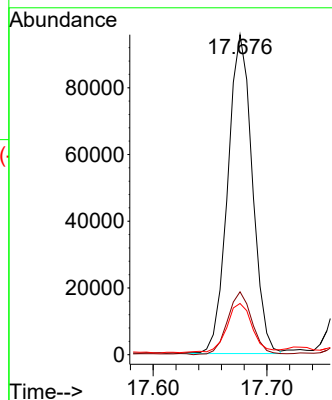
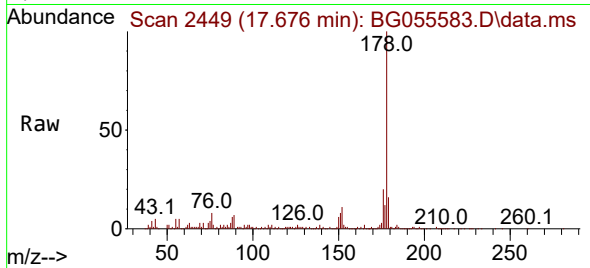




#71
Phenanthrene
Concen: 7.647 ng
RT: 17.676 min Scan# 2448
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

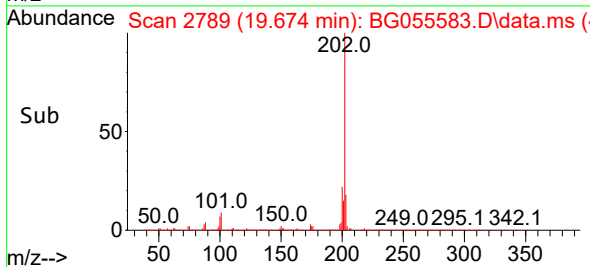
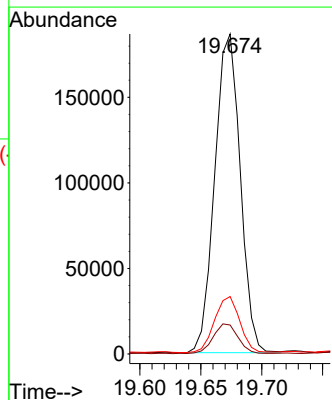
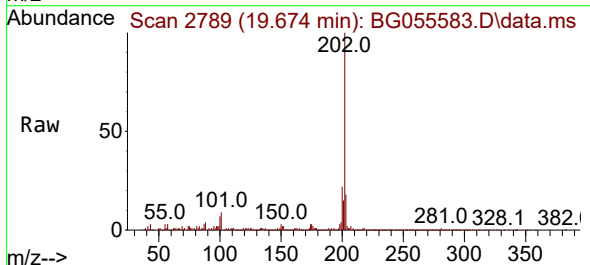
Instrument :
BNA_G
ClientSampleId :
TP-12

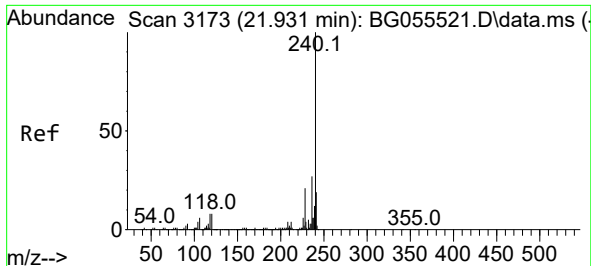
Tgt Ion:178 Resp: 143338
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 16.0 12.2 18.4



#75
Fluoranthene
Concen: 12.133 ng
RT: 19.674 min Scan# 2789
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:202 Resp: 271203
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.8
203 18.0 0.0 38.2

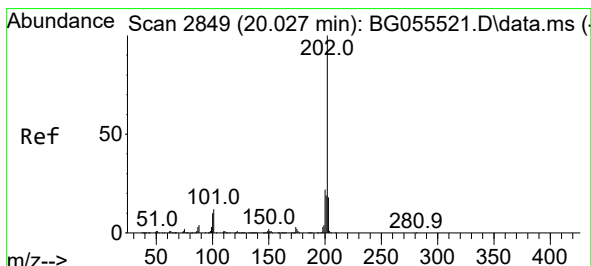
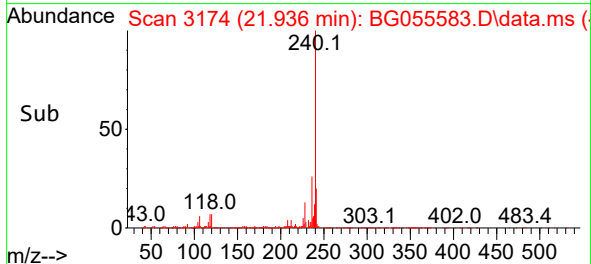
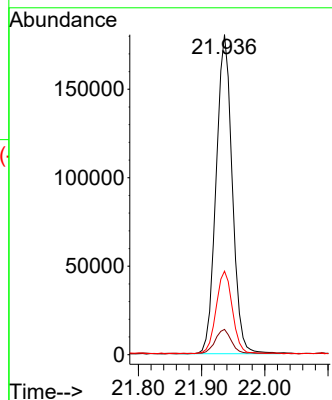
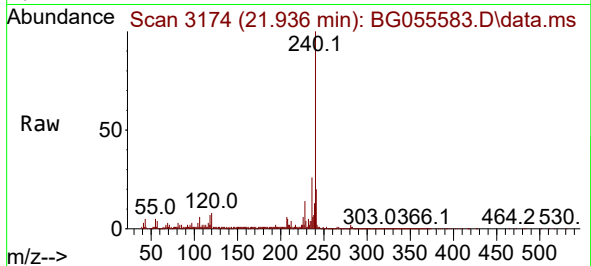




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

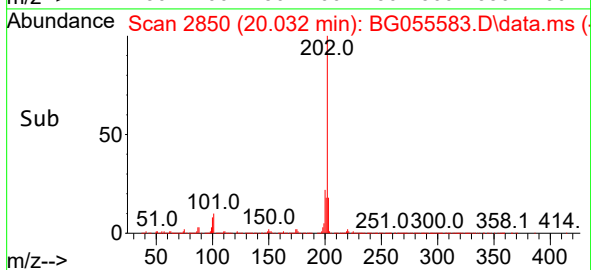
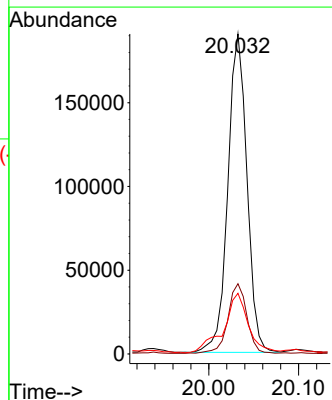
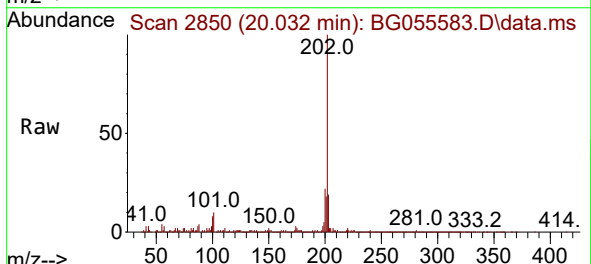
Instrument :
BNA_G
ClientSampleId :
TP-12

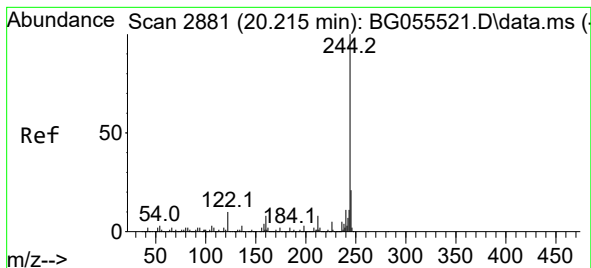
Tgt Ion:240 Resp: 319360
Ion Ratio Lower Upper
240 100
120 7.9 6.1 9.1
236 26.1 21.4 32.0



#78
Pyrene
Concen: 12.982 ng
RT: 20.032 min Scan# 2850
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:202 Resp: 280586
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 18.9 14.2 21.2





#79

Terphenyl-d14

Concen: 56.571 ng

RT: 20.220 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

Instrument :

BNA_G

ClientSampleId :

TP-12

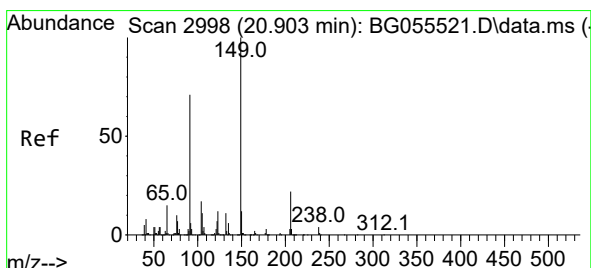
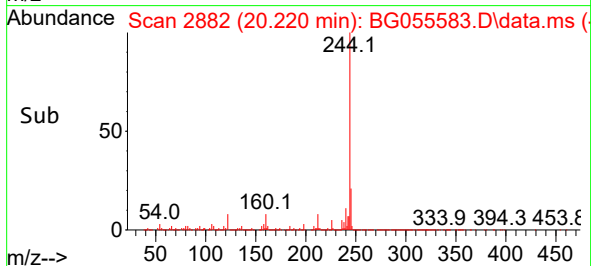
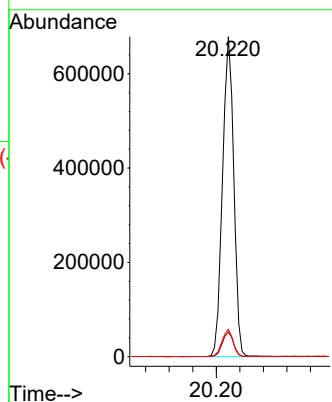
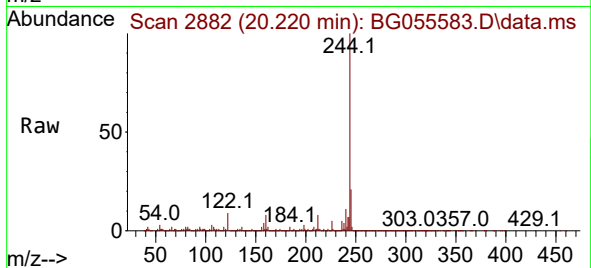
Tgt Ion:244 Resp: 899474

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 8.6 7.7 11.5



#80

Butylbenzylphthalate

Concen: 3.517 ng

RT: 20.884 min Scan# 2995

Delta R.T. -0.019 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

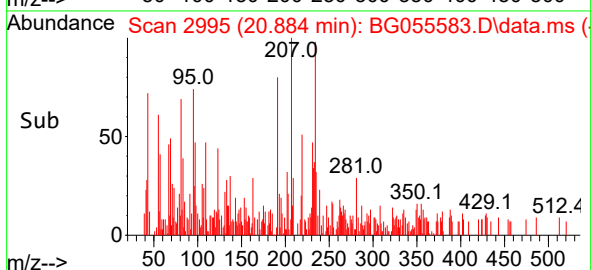
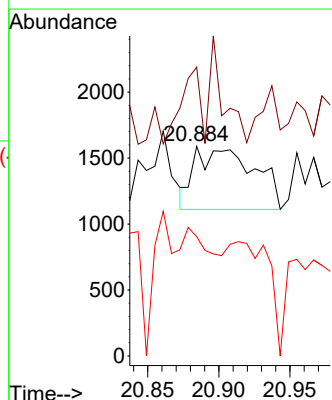
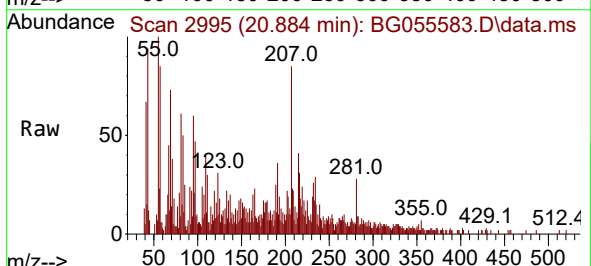
Tgt Ion:149 Resp: 1355

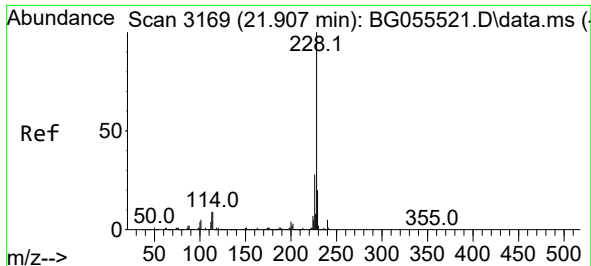
Ion Ratio Lower Upper

149 100

91 137.8 56.8 85.2#

206 57.0 17.3 25.9#

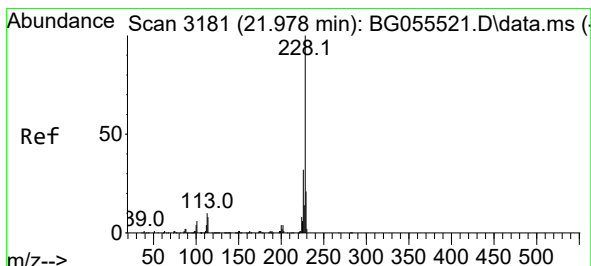
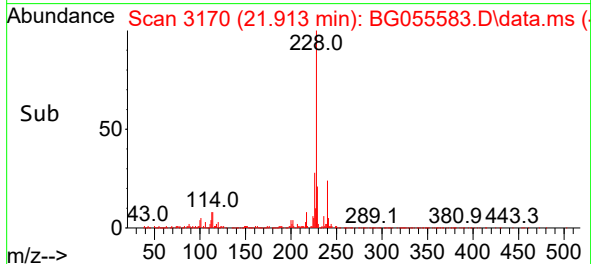
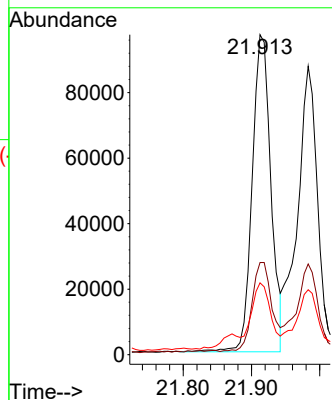
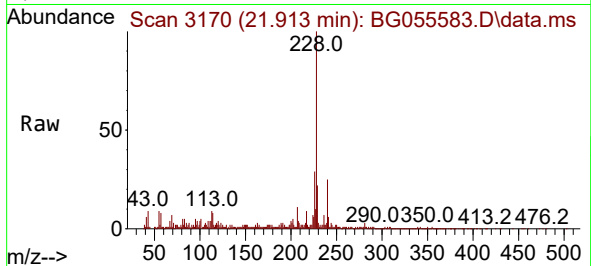




#81
Benzo(a)anthracene
Concen: 8.404 ng
RT: 21.913 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

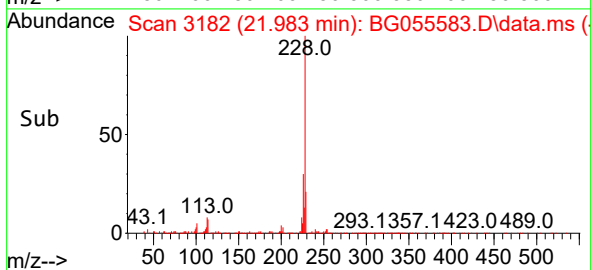
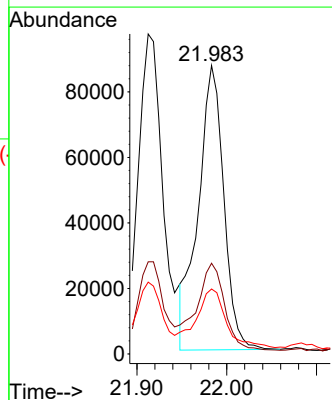
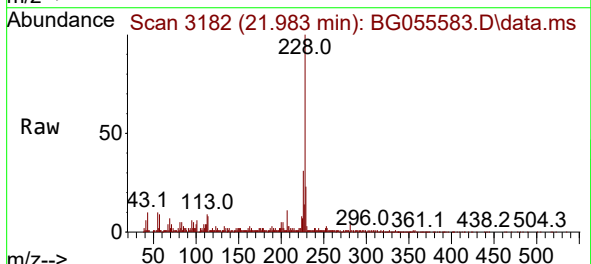
Instrument :
BNA_G
ClientSampleId :
TP-12

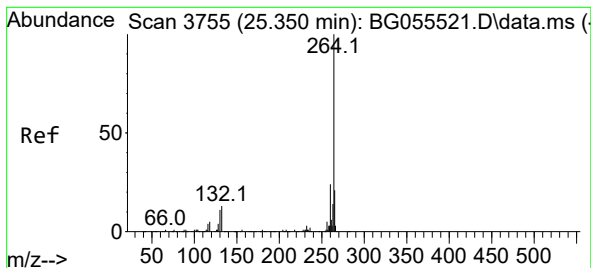
Tgt Ion:228 Resp: 183832
Ion Ratio Lower Upper
228 100
226 28.8 22.6 34.0
229 22.4 16.1 24.1



#83
Chrysene
Concen: 8.265 ng
RT: 21.983 min Scan# 3182
Delta R.T. 0.005 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:228 Resp: 171922
Ion Ratio Lower Upper
228 100
226 31.4 25.7 38.5
229 22.5 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.373 min Scan# 31

Delta R.T. 0.023 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

Instrument :

BNA_G

ClientSampleId :

TP-12

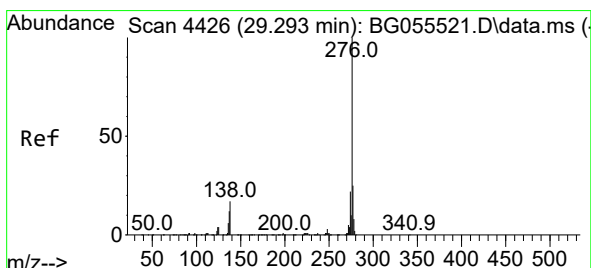
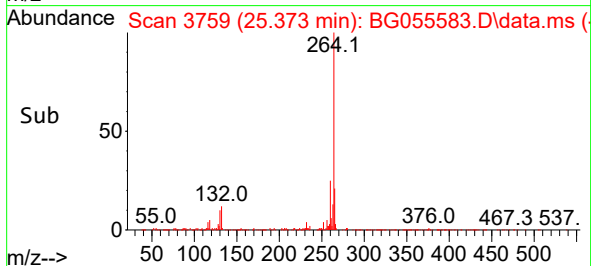
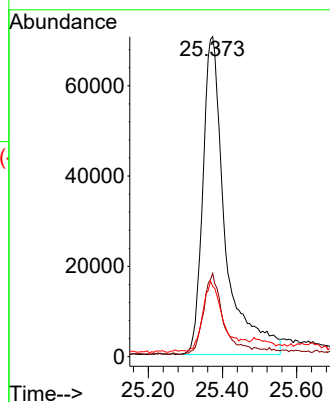
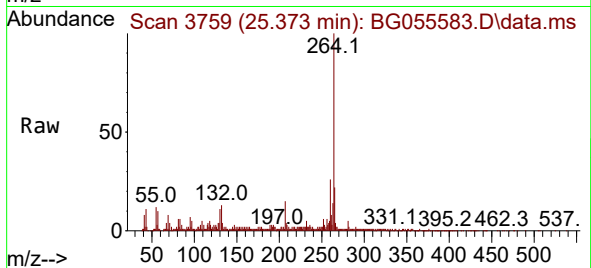
Tgt Ion:264 Resp: 296159

Ion Ratio Lower Upper

264 100

260 26.1 19.4 29.2

265 22.0 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.985 ng

RT: 29.322 min Scan# 4431

Delta R.T. 0.029 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

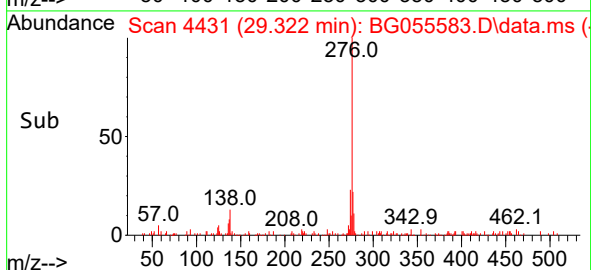
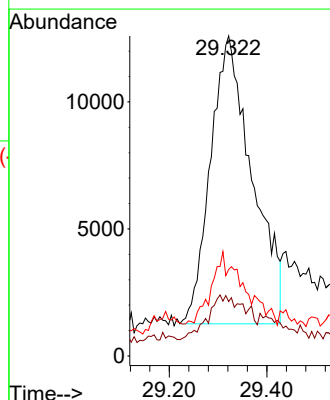
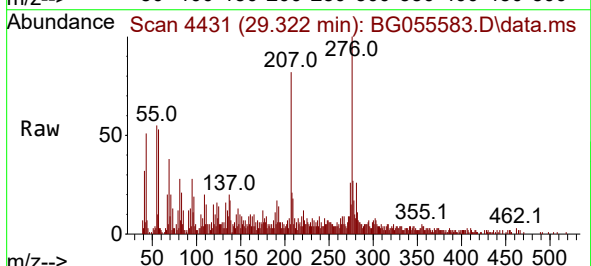
Tgt Ion:276 Resp: 67324

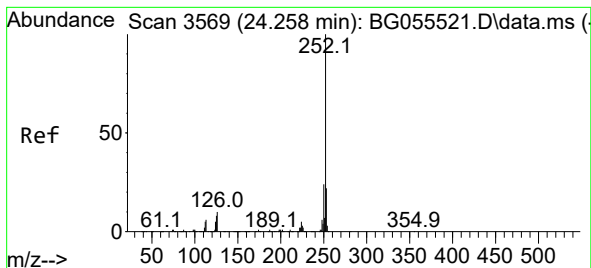
Ion Ratio Lower Upper

276 100

138 6.1 11.5 17.3#

277 9.3 20.4 30.6#





#88

Benzo(b)fluoranthene

Concen: 13.386 ng

RT: 24.275 min Scan# 3572

Delta R.T. 0.017 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

Instrument :

BNA_G

ClientSampleId :

TP-12

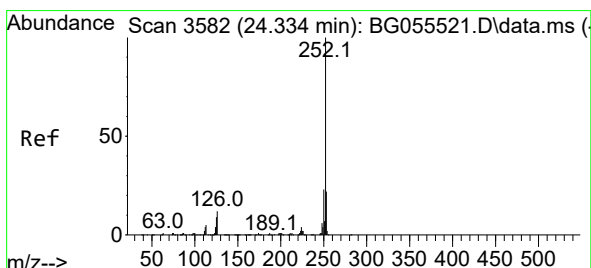
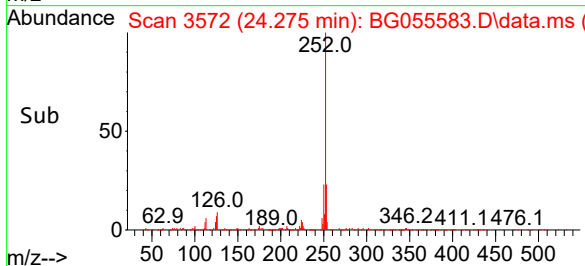
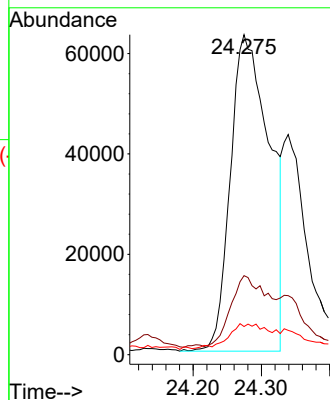
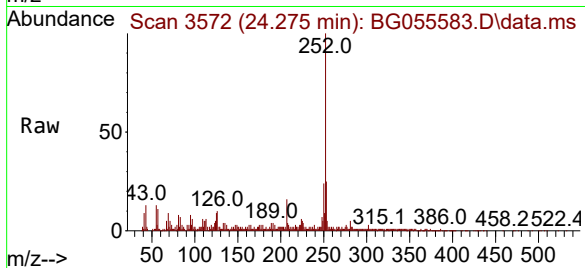
Tgt Ion:252 Resp: 251179

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

125 8.8 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 13.093 ng

RT: 24.275 min Scan# 3572

Delta R.T. -0.059 min

Lab File: BG055583.D

Acq: 12 Nov 2022 2:34

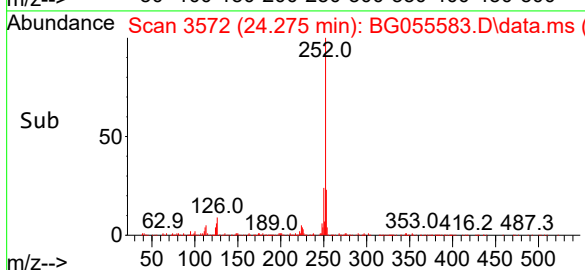
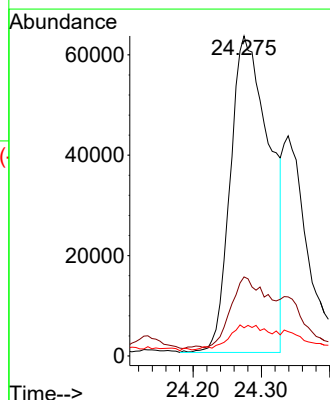
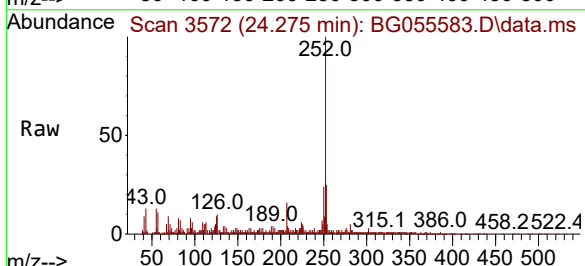
Tgt Ion:252 Resp: 251179

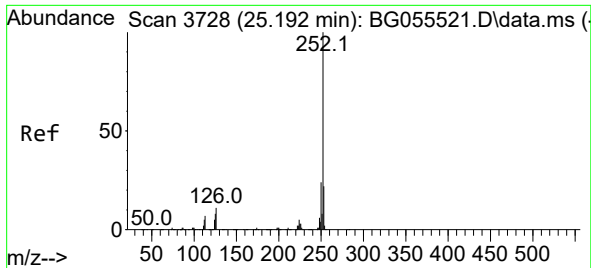
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 8.8 6.9 10.3

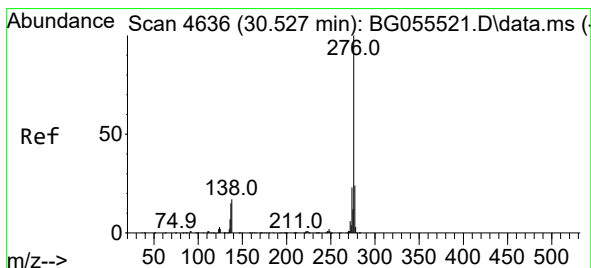
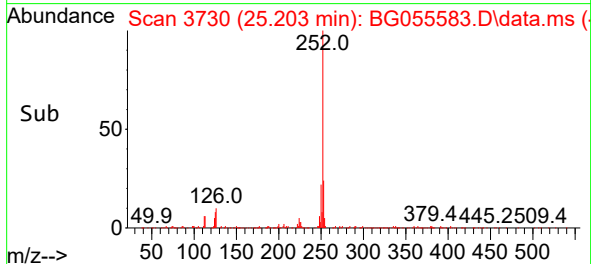
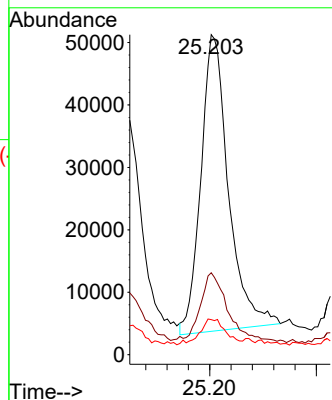
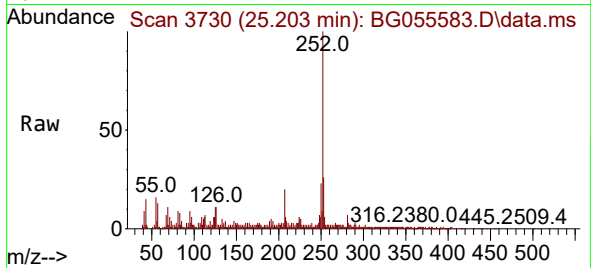




#90
Benzo(a)pyrene
Concen: 10.566 ng
RT: 25.203 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Instrument :
BNA_G
ClientSampleId :
TP-12

Tgt Ion:252 Resp: 170790
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.6
125 10.9 6.7 10.1#



#92
Benzo(g,h,i)perylene
Concen: 3.233 ng
RT: 30.555 min Scan# 4641
Delta R.T. 0.028 min
Lab File: BG055583.D
Acq: 12 Nov 2022 2:34

Tgt Ion:276 Resp: 59016
Ion Ratio Lower Upper
276 100
277 33.5 19.3 28.9#
138 21.4 13.9 20.9#

