

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092622\
 Data File : BG055024.D
 Acq On : 26 Sep 2022 11:26
 Operator : CG/JU
 Sample : PB147850BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB147850BL

Quant Time: Sep 27 05:34:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 17:41:40 2022
 Response via : Initial Calibration

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

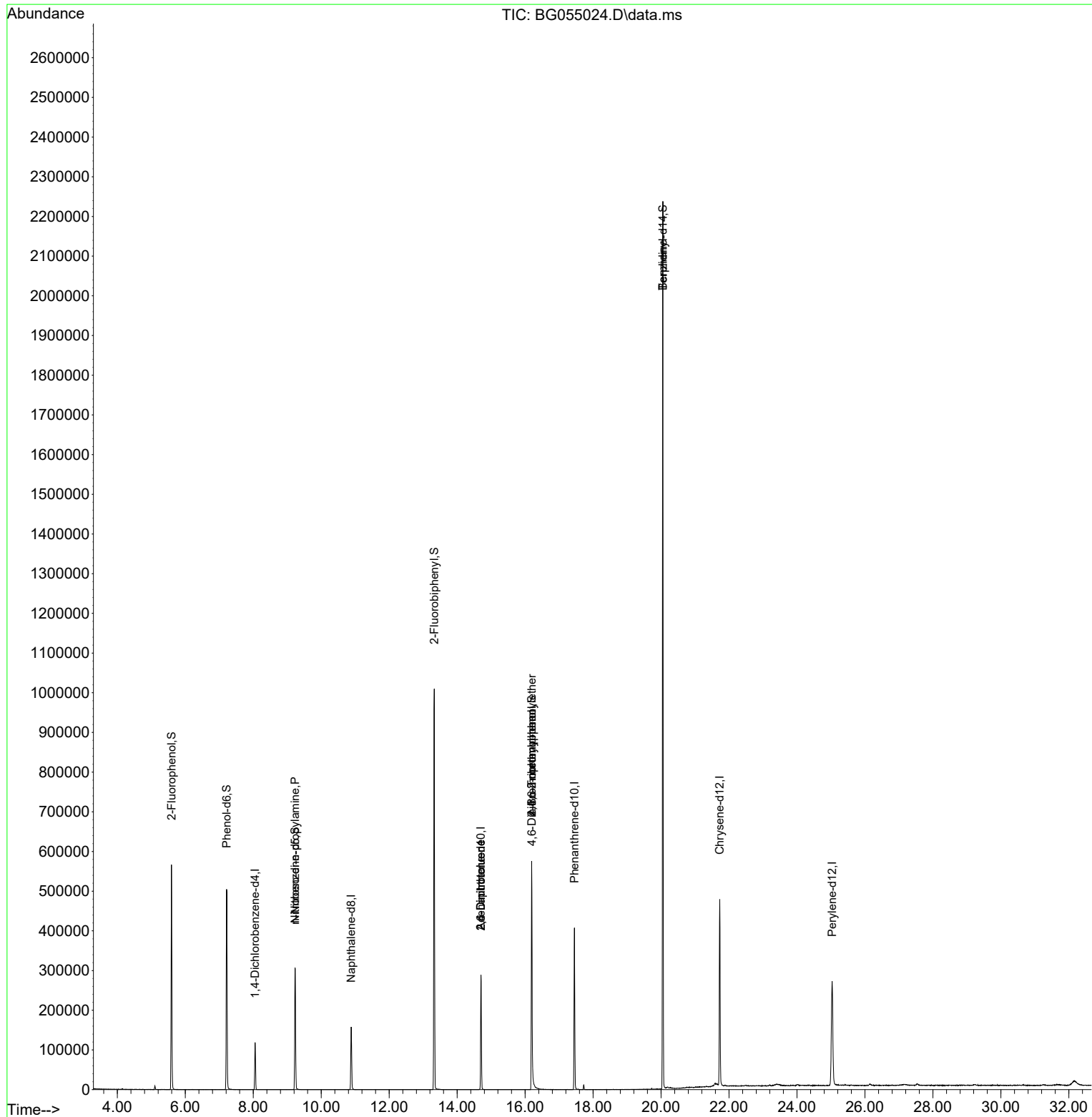
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.054	152	38899	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	155700	20.000	ng	# 0.00
39) Acenaphthene-d10	14.700	164	112223	20.000	ng	0.00
64) Phenanthrene-d10	17.449	188	280809	20.000	ng	0.00
76) Chrysene-d12	21.727	240	309192	20.000	ng	0.00
86) Perylene-d12	25.034	264	319117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	275402	138.532	ng	0.00
7) Phenol-d6	7.220	99	355615	133.455	ng	0.00
23) Nitrobenzene-d5	9.229	82	203470	75.745	ng	-0.01
42) 2,4,6-Tribromophenol	16.192	330	155463	118.251	ng	0.00
45) 2-Fluorobiphenyl	13.325	172	571974	80.324	ng	0.00
79) Terphenyl-d14	20.052	244	1155344	78.164	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.235	70	24587	13.406	ng	# 73
51) 2,6-Dinitrotoluene	14.700	165	14542	8.049	ng	# 20
57) 2,4-Dinitrotoluene	14.700	165	14542	5.658	ng	# 18
65) 4,6-Dinitro-2-methylph...	16.198	198	140	5.077	ng	# 1
67) 4-Bromophenyl-phenylether	16.192	248	9364	3.024	ng	# 1
77) Benzidine	20.052	184	15649	2.043	ng	# 92

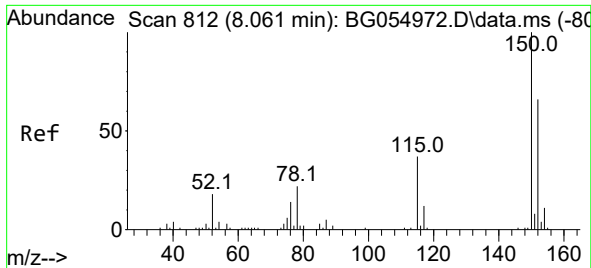
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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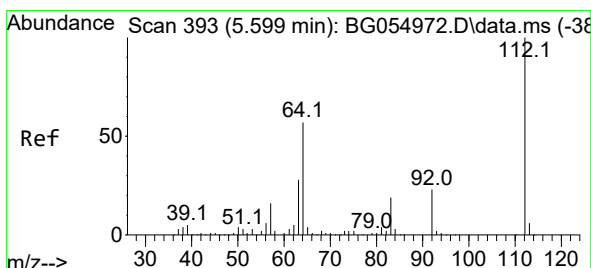
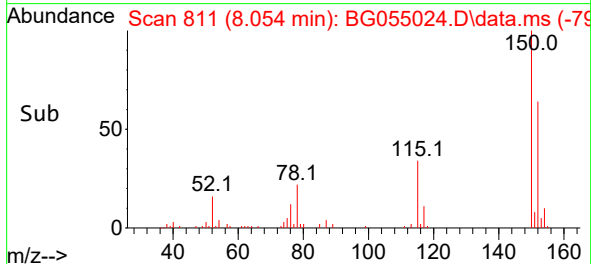
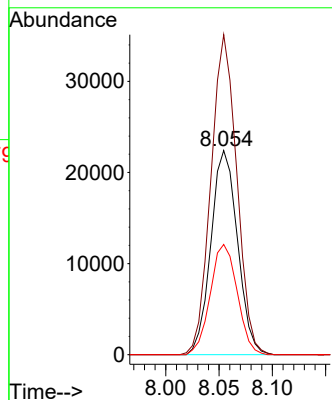
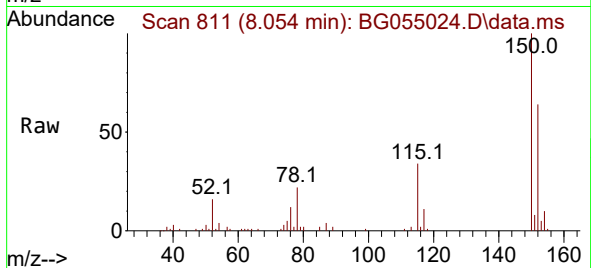




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.054 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

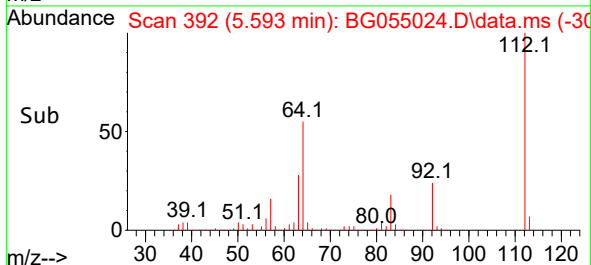
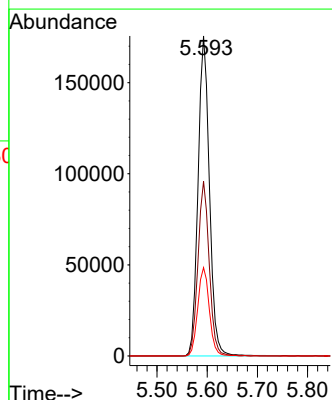
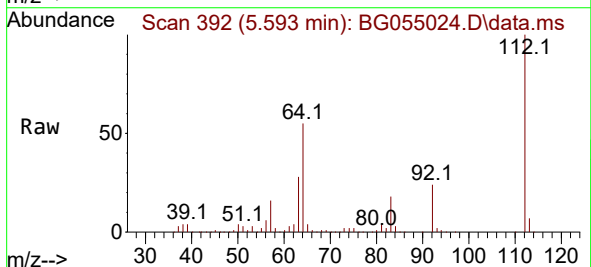
Instrument :
BNA_G
ClientSampleId :
PB147850BL

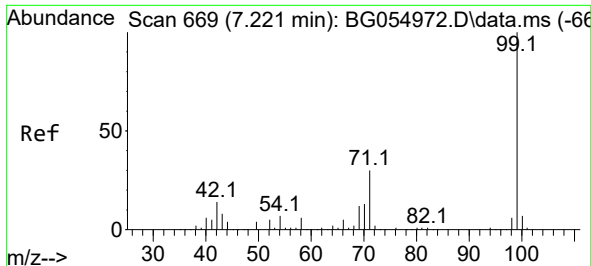
Tgt Ion:152 Resp: 38899
Ion Ratio Lower Upper
152 100
150 156.7 125.2 187.8
115 54.0 47.9 71.9



#5
2-Fluorophenol
Concen: 138.532 ng
RT: 5.593 min Scan# 392
Delta R.T. -0.006 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

Tgt Ion:112 Resp: 275402
Ion Ratio Lower Upper
112 100
64 54.6 49.3 73.9
63 27.6 26.3 39.5

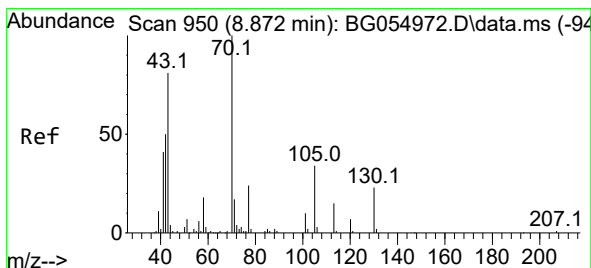
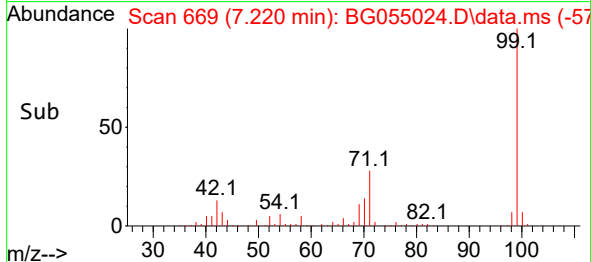
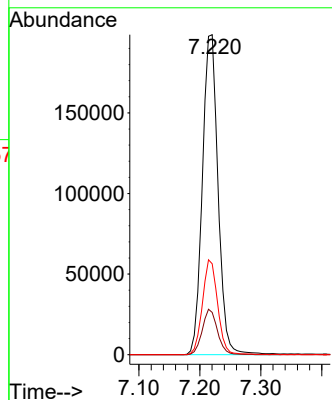
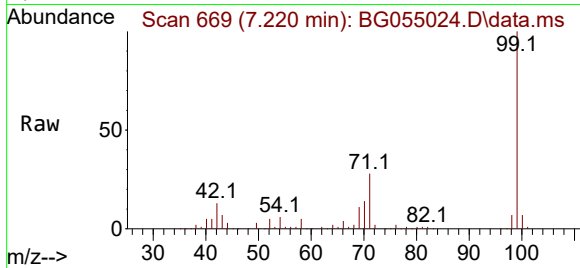




#7
Phenol-d6
Concen: 133.455 ng
RT: 7.220 min Scan# 60
Delta R.T. -0.000 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

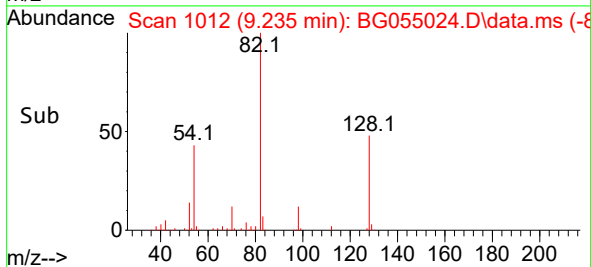
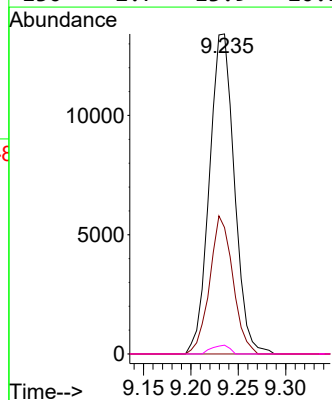
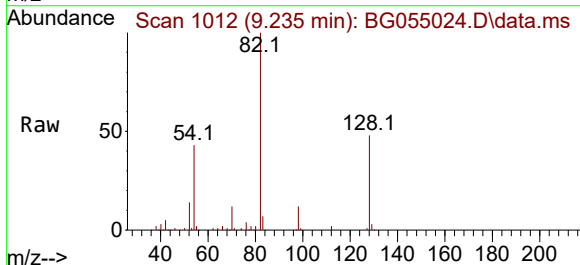
Instrument :
BNA_G
ClientSampleId :
PB147850BL

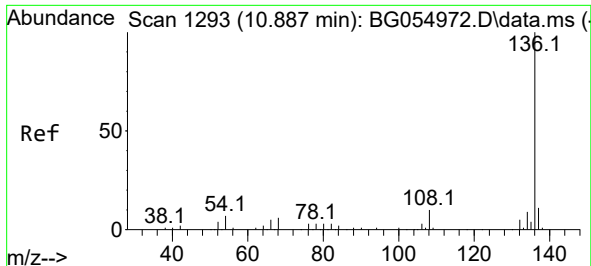
Tgt Ion: 99 Resp: 355615
Ion Ratio Lower Upper
99 100
42 13.2 14.6 22.0#
71 28.4 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.406 ng
RT: 9.235 min Scan# 1012
Delta R.T. 0.364 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

Tgt Ion: 70 Resp: 24587
Ion Ratio Lower Upper
70 100
42 39.5 46.6 69.8#
101 0.0 7.7 11.5#
130 2.7 13.9 20.9#

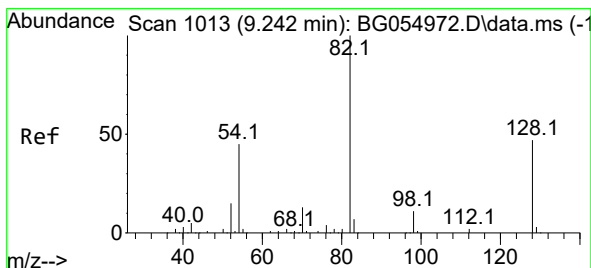
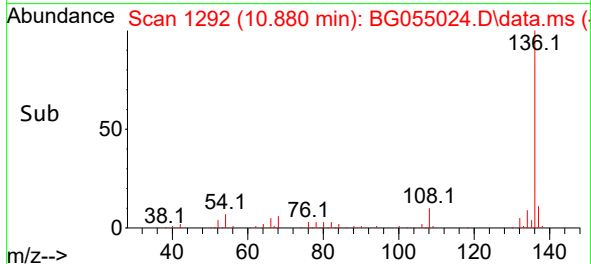
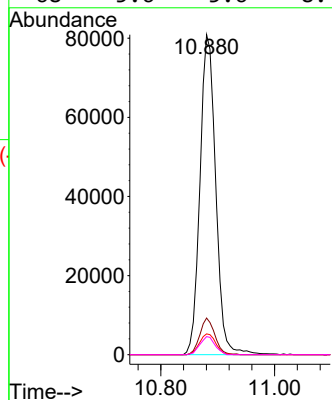
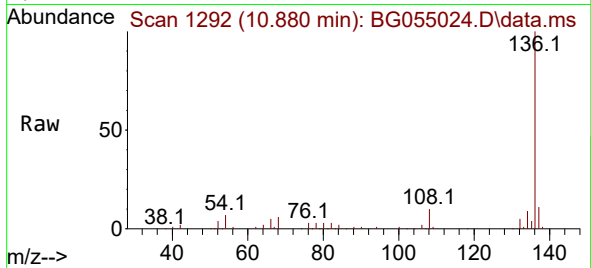




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

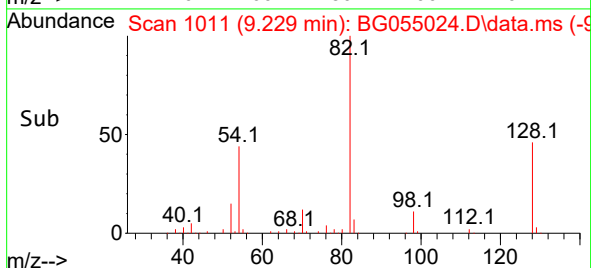
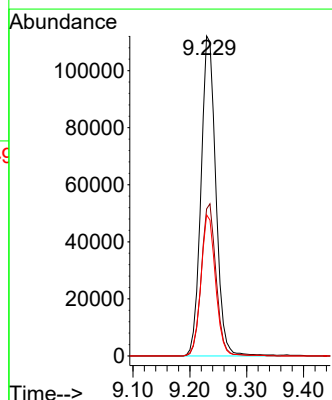
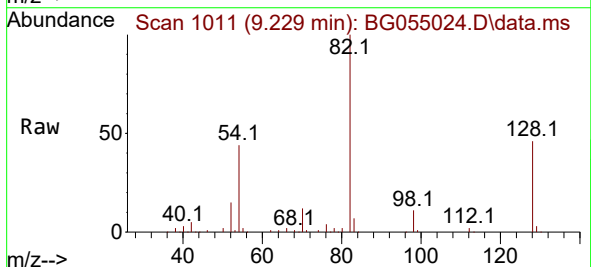
Instrument :
BNA_G
ClientSampleId :
PB147850BL

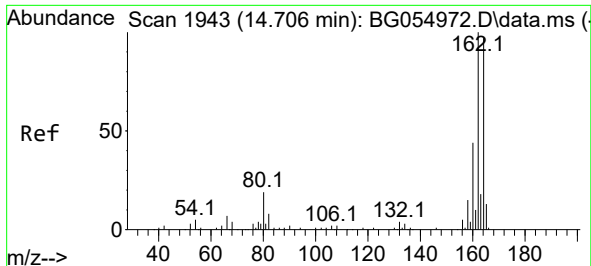
Tgt Ion:136 Resp: 155700
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 6.5 7.7 11.5#
68 5.6 5.6 8.4



#23
Nitrobenzene-d5
Concen: 75.745 ng
RT: 9.229 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

Tgt Ion: 82 Resp: 203470
Ion Ratio Lower Upper
82 100
128 46.0 32.2 48.2
54 44.1 41.4 62.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.700 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

Instrument :

BNA_G

ClientSampleId :

PB147850BL

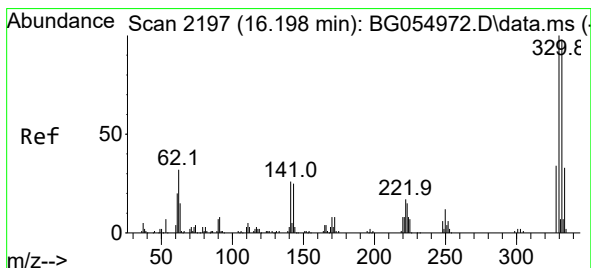
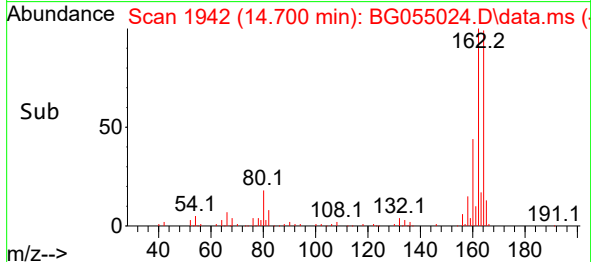
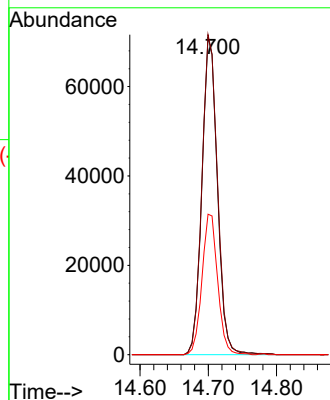
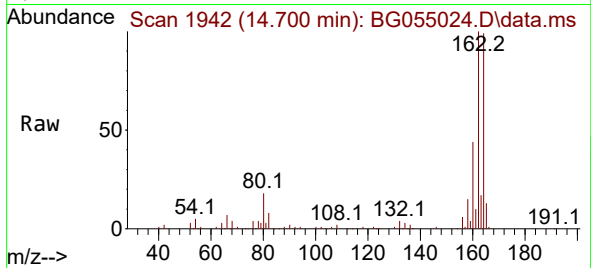
Tgt Ion:164 Resp: 112223

Ion Ratio Lower Upper

164 100

162 100.7 83.0 124.4

160 44.2 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 118.251 ng

RT: 16.192 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

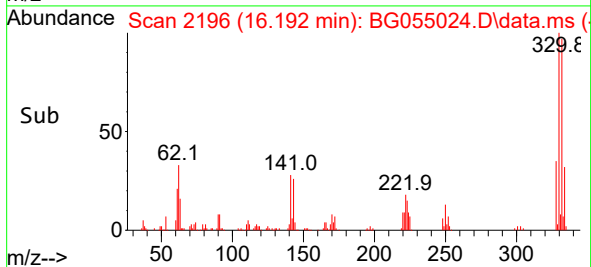
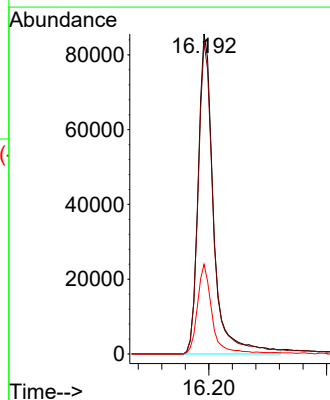
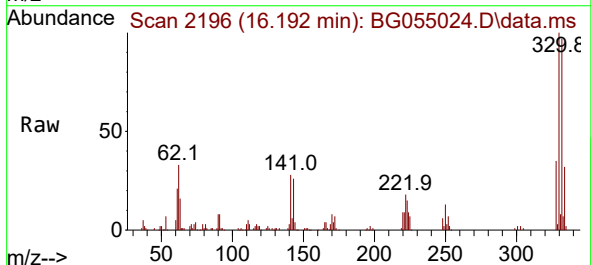
Tgt Ion:330 Resp: 155463

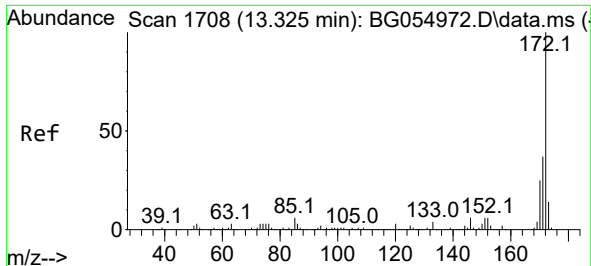
Ion Ratio Lower Upper

330 100

332 97.6 79.8 119.6

141 27.3 26.8 40.2

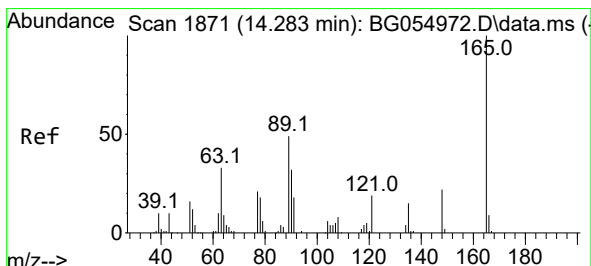
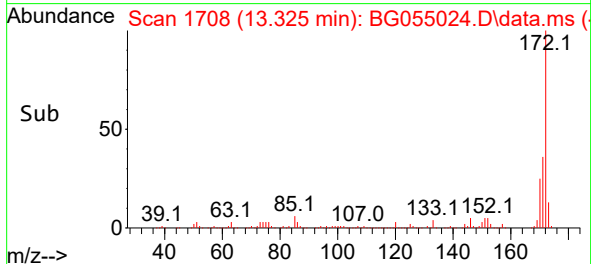
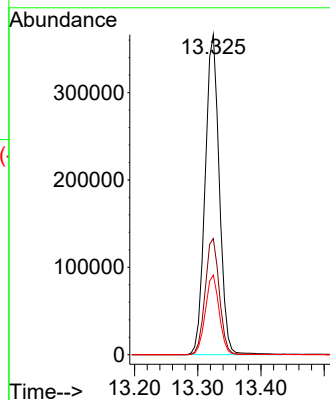
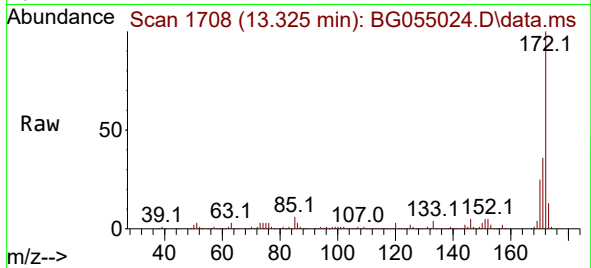




#45
2-Fluorobiphenyl
Concen: 80.324 ng
RT: 13.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

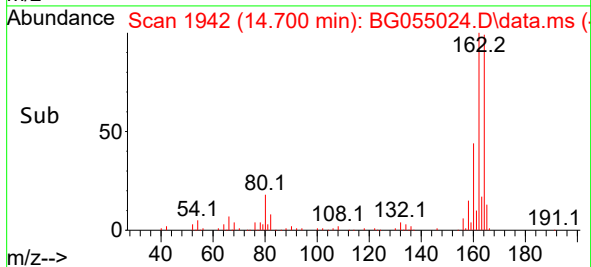
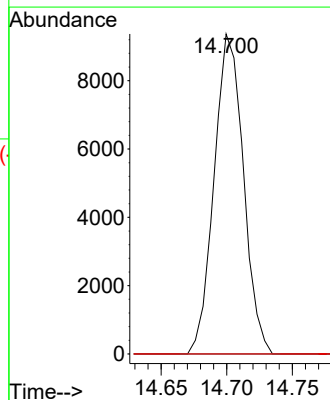
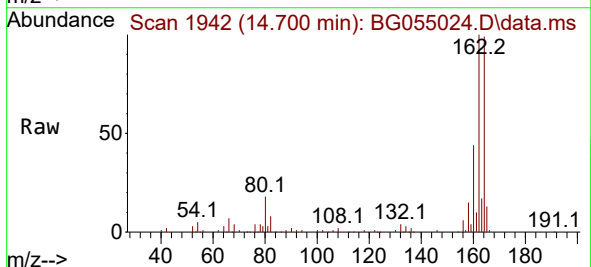
Instrument :
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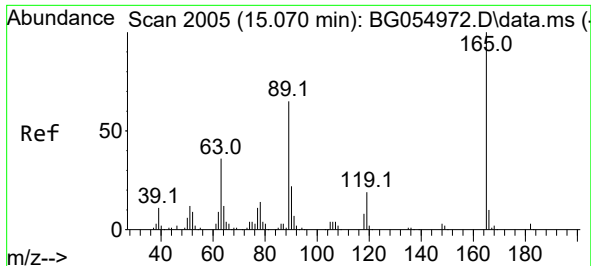
Tgt Ion:172 Resp: 571974
Ion Ratio Lower Upper
172 100
171 36.3 31.2 46.8
170 24.9 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.049 ng
RT: 14.700 min Scan# 1942
Delta R.T. 0.417 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

Tgt Ion:165 Resp: 14542
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#





#57

2,4-Dinitrotoluene

Concen: 5.658 ng

RT: 14.700 min Scan# 1942

Delta R.T. -0.371 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

Instrument :

BNA_G

ClientSampleId :

PB147850BL

Tgt Ion:165 Resp: 14542

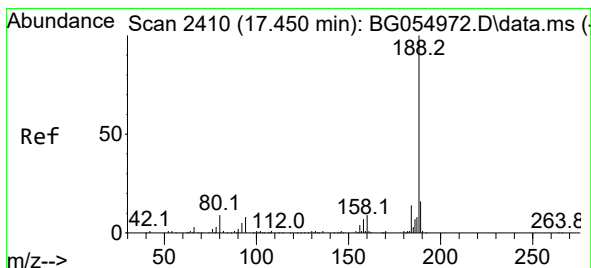
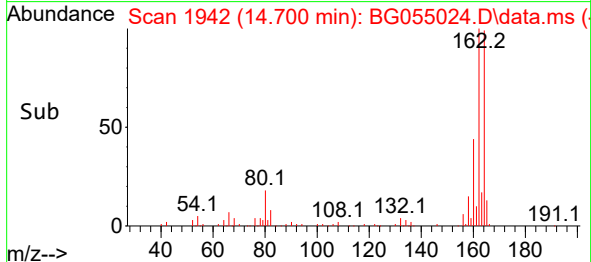
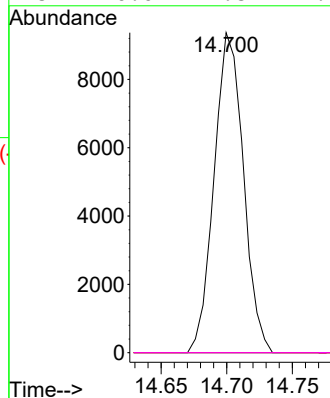
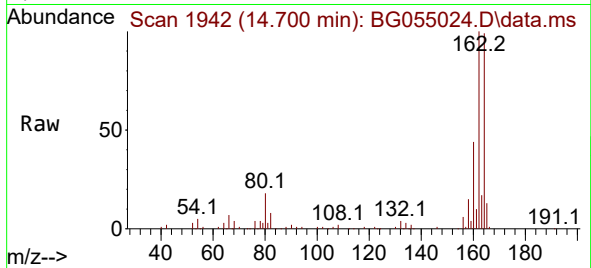
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.449 min Scan# 2410

Delta R.T. -0.001 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

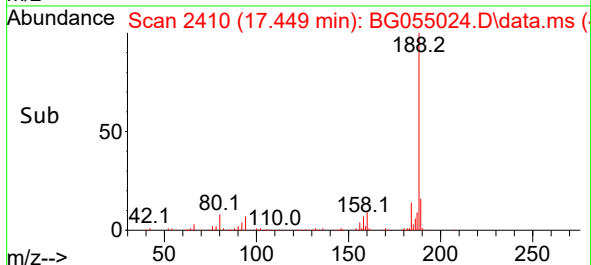
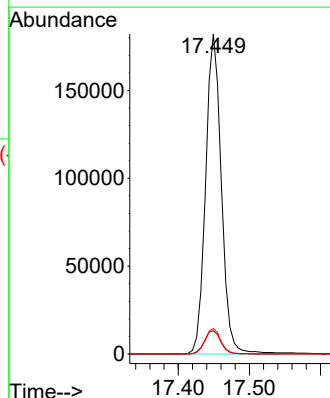
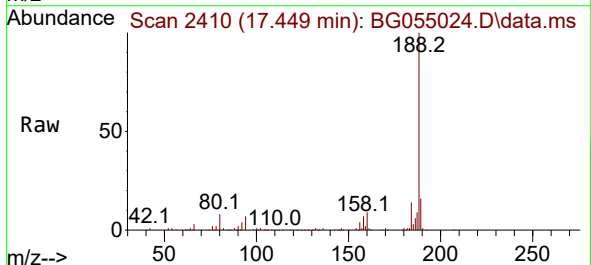
Tgt Ion:188 Resp: 280809

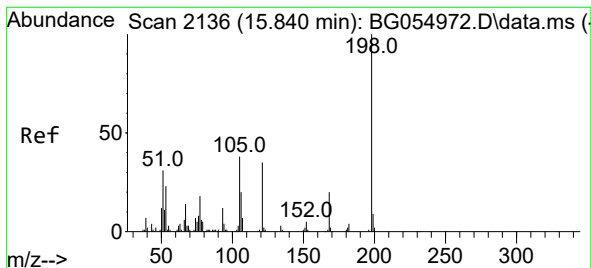
Ion Ratio Lower Upper

188 100

94 7.3 7.0 10.4

80 8.0 7.9 11.9

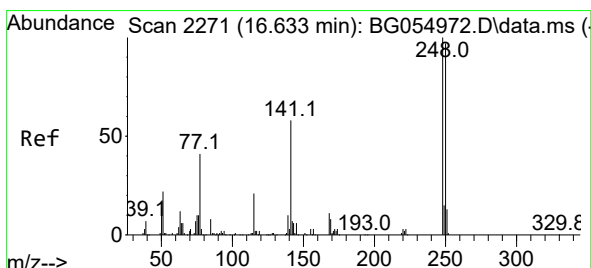
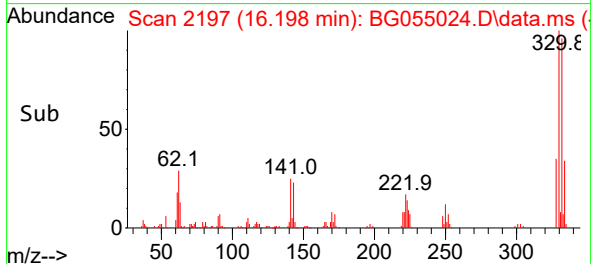
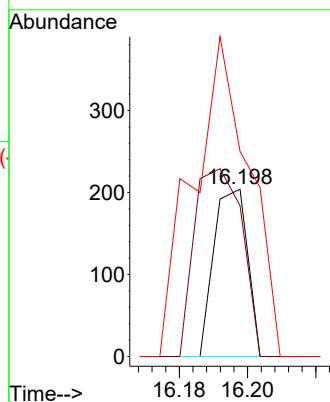
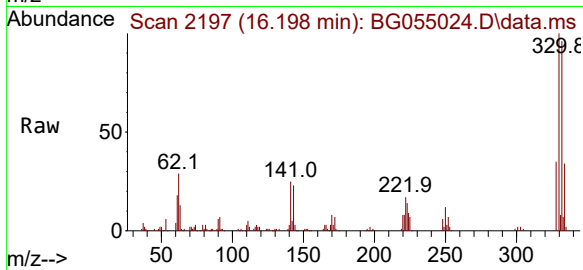




#65
4,6-Dinitro-2-methylphenol
Concen: 5.077 ng
RT: 16.198 min Scan# 2136
Delta R.T. 0.358 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

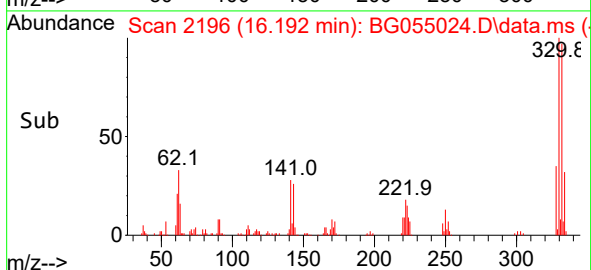
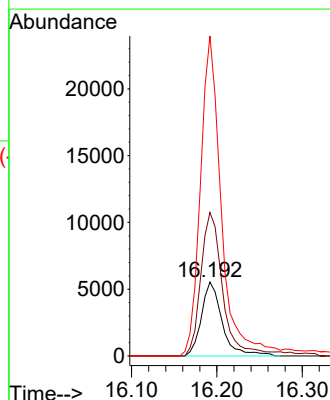
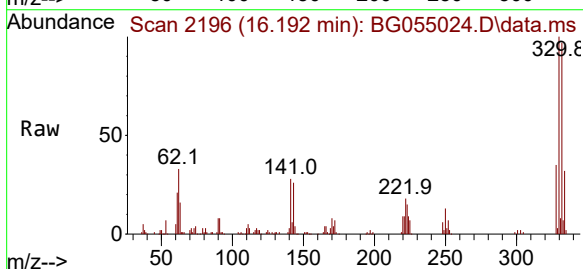
Instrument :
BNA_G
ClientSampleId :
PB147850BL

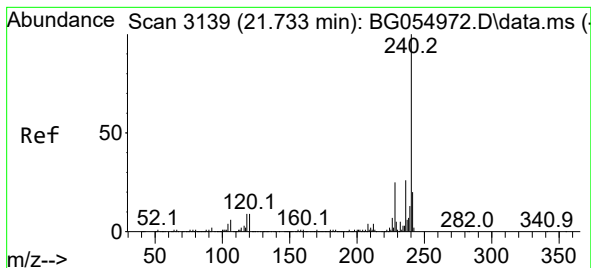
Tgt Ion:198 Resp: 140
Ion Ratio Lower Upper
198 100
51 90.2 19.9 59.9#
105 122.5 20.3 60.3#



#67
4-Bromophenyl-phenylether
Concen: 3.024 ng
RT: 16.192 min Scan# 2196
Delta R.T. -0.441 min
Lab File: BG055024.D
Acq: 26 Sep 2022 11:26

Tgt Ion:248 Resp: 9364
Ion Ratio Lower Upper
248 100
250 194.0 78.8 118.2#
141 432.6 51.9 77.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.727 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

Instrument :

BNA_G

ClientSampleId :

PB147850BL

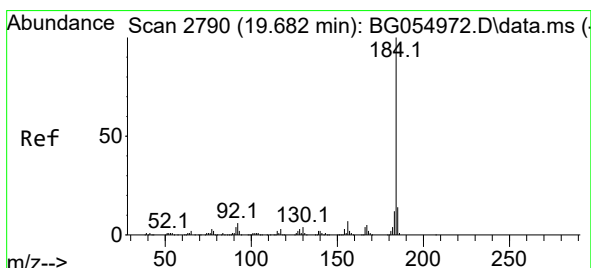
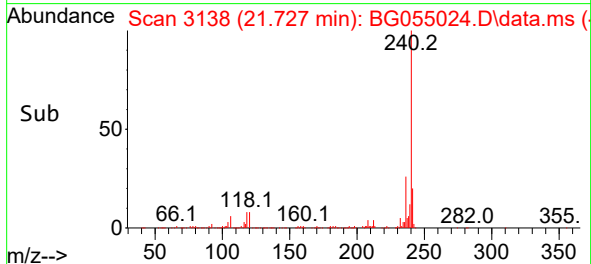
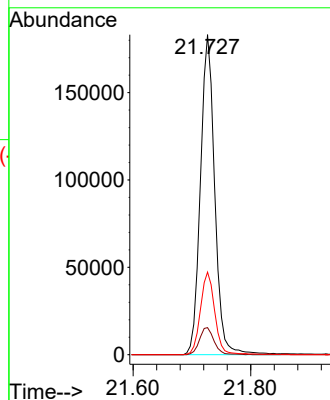
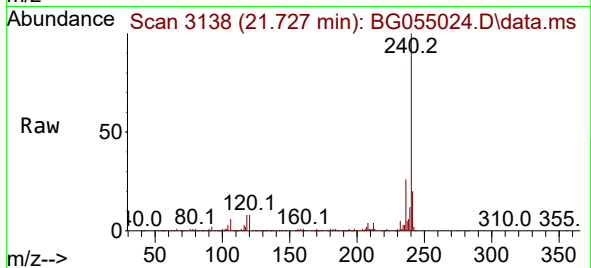
Tgt Ion:240 Resp: 309192

Ion Ratio Lower Upper

240 100

120 8.4 8.2 12.4

236 25.8 21.2 31.8



#77

Benzidine

Concen: 2.043 ng

RT: 20.052 min Scan# 2853

Delta R.T. 0.370 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

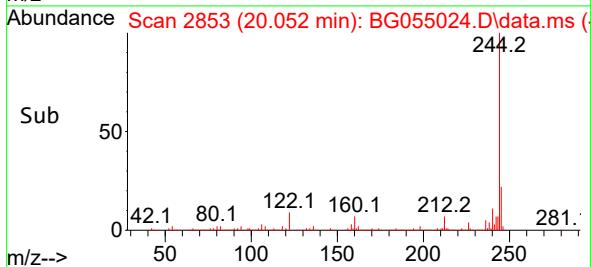
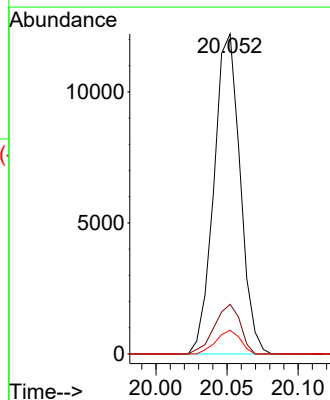
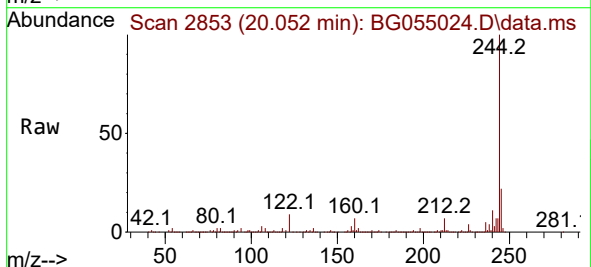
Tgt Ion:184 Resp: 15649

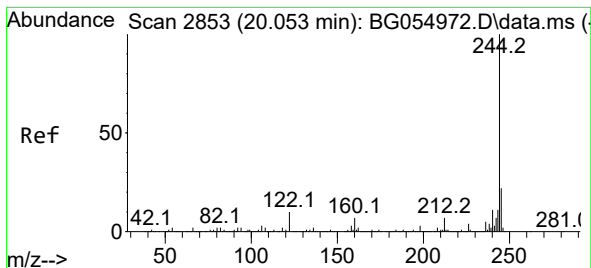
Ion Ratio Lower Upper

184 100

185 15.5 11.4 17.0

183 7.4 9.8 14.8#





#79

Terphenyl-d14

Concen: 78.164 ng

RT: 20.052 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

Instrument :

BNA_G

ClientSampleId :

PB147850BL

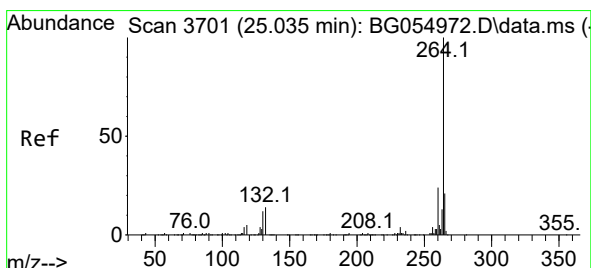
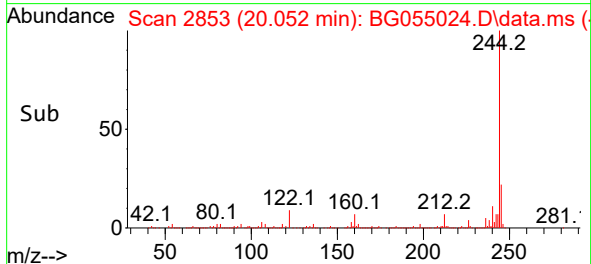
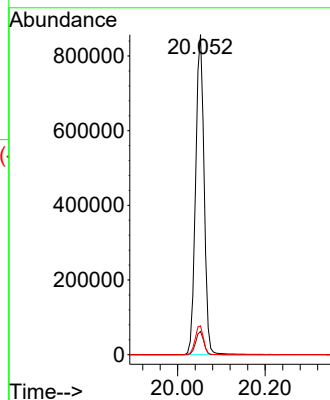
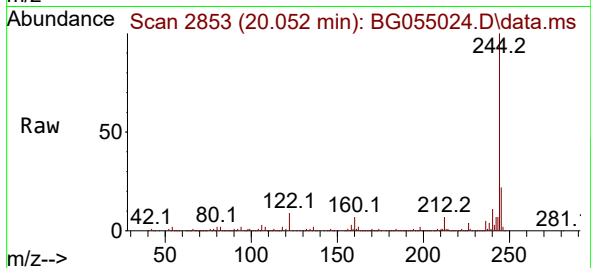
Tgt Ion:244 Resp: 1155344

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 9.0 9.0 13.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.034 min Scan# 3701

Delta R.T. -0.000 min

Lab File: BG055024.D

Acq: 26 Sep 2022 11:26

Tgt Ion:264 Resp: 319117

Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

265 21.4 16.9 25.3

