

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111022\
 Data File : BG055556.D
 Acq On : 11 Nov 2022 2:28
 Operator : CG/JU
 Sample : N5494-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-18

Quant Time: Nov 11 03:07:50 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)

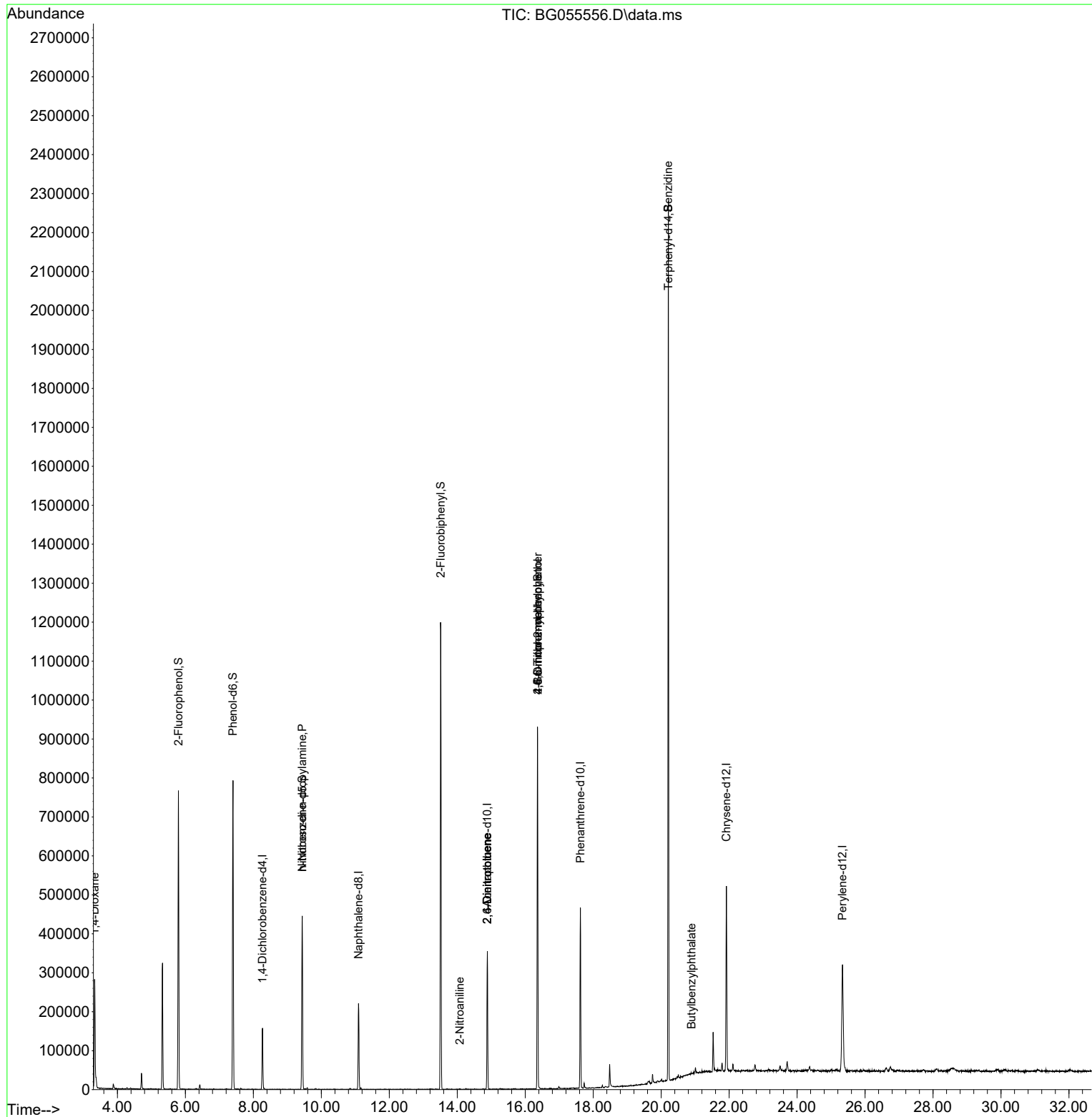
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	44175	20.000	ng	0.00
21) Naphthalene-d8	11.096	136	184385	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	126444	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	297178	20.000	ng	0.00
76) Chrysene-d12	21.919	240	299532	20.000	ng	#-0.01
86) Perylene-d12	25.338	264	308420	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	319680	137.839	ng	0.00
7) Phenol-d6	7.400	99	427618	133.479	ng	0.00
23) Nitrobenzene-d5	9.439	82	257380	94.629	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	180929	146.653	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	639807	76.325	ng	0.00
79) Terphenyl-d14	20.215	244	1097605	73.602	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.329	88	2745	2.330	ng	# 1
19) n-Nitroso-di-n-propyla...	9.439	70	35275	13.323	ng	# 76
48) 2-Nitroaniline	14.075	65	57	3.815	ng	# 8
51) 2,6-Dinitrotoluene	14.880	165	16419	12.235	ng	# 22
57) 2,4-Dinitrotoluene	14.880	165	16419	10.427	ng	# 22
65) 4,6-Dinitro-2-methylph...	16.366	198	567	2.685	ng	# 1
67) 4-Bromophenyl-phenylether	16.366	248	11378	3.753	ng	# 1
77) Benzidine	20.209	184	17530	2.163	ng	# 90
80) Butylbenzylphthalate	20.890	149	394	3.412	ng	# 83

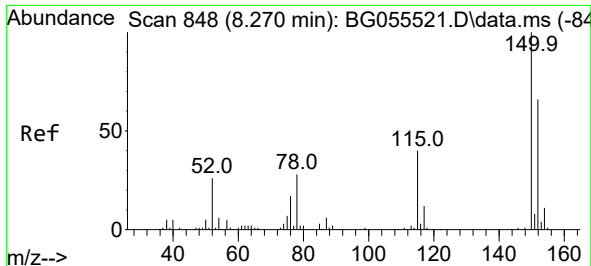
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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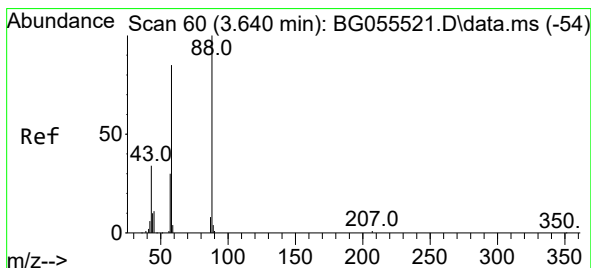
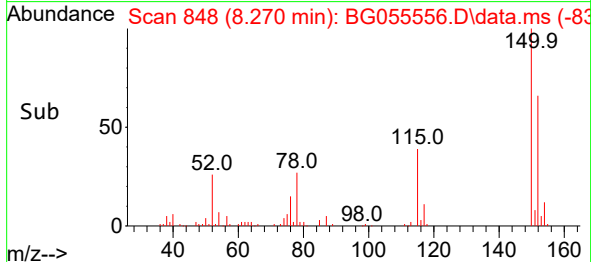
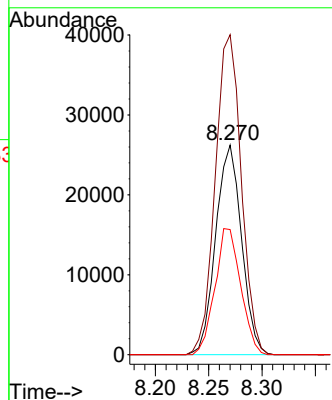
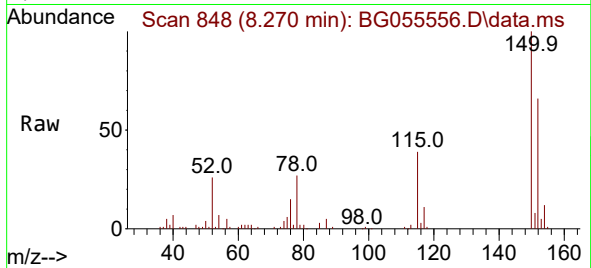




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.270 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: BG055556.D
 Acq: 11 Nov 2022 2:28

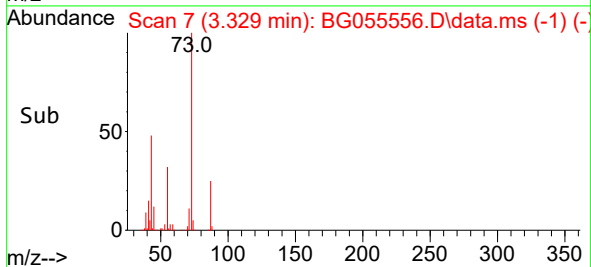
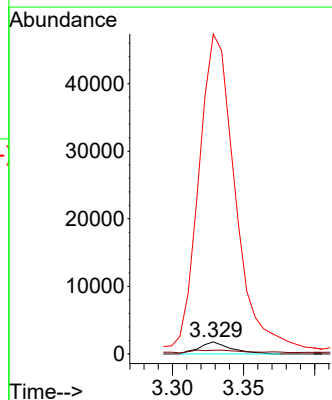
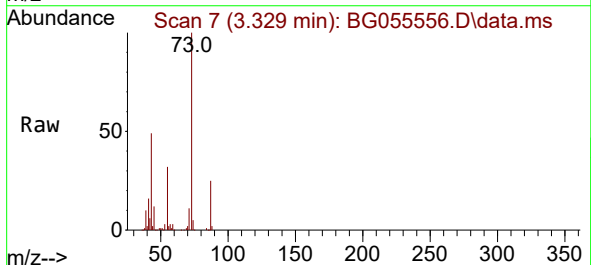
Instrument :
 BNA_G
 ClientSampleId :
 SB-18

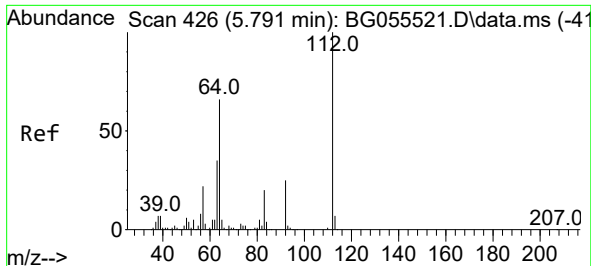
Tgt Ion:152 Resp: 44175
 Ion Ratio Lower Upper
 152 100
 150 152.6 121.0 181.4
 115 59.7 47.8 71.8



#2
 1,4-Dioxane
 Concen: 2.330 ng
 RT: 3.329 min Scan# 7
 Delta R.T. -0.311 min
 Lab File: BG055556.D
 Acq: 11 Nov 2022 2:28

Tgt Ion: 88 Resp: 2745
 Ion Ratio Lower Upper
 88 100
 58 39.2 68.9 103.3#
 43 2966.1 27.1 40.7#

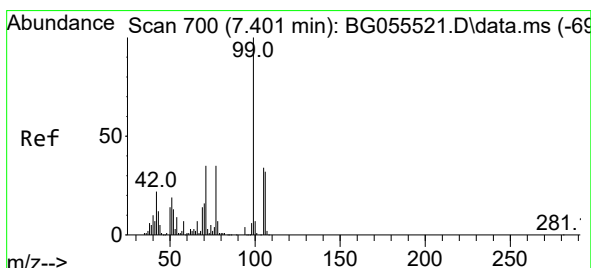
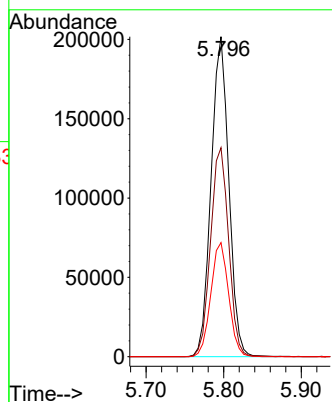
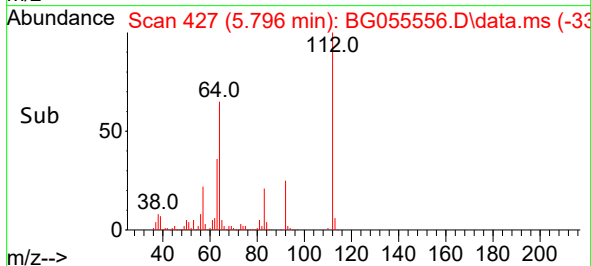
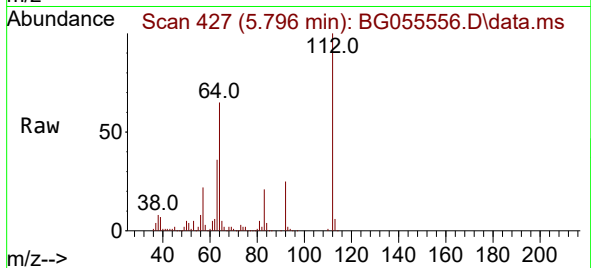




#5
2-Fluorophenol
Concen: 137.839 ng
RT: 5.796 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

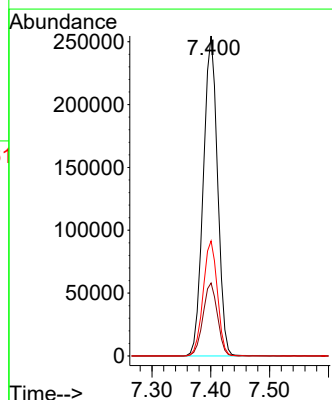
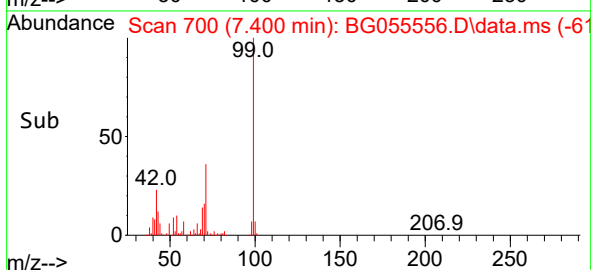
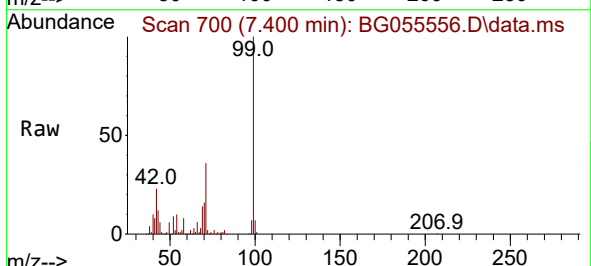
Instrument :
BNA_G
ClientSampleId :
SB-18

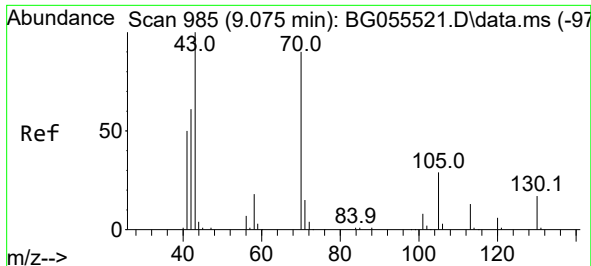
Tgt Ion:112 Resp: 319680
Ion Ratio Lower Upper
112 100
64 65.3 52.6 78.8
63 35.7 28.3 42.5



#7
Phenol-d6
Concen: 133.479 ng
RT: 7.400 min Scan# 700
Delta R.T. -0.001 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

Tgt Ion: 99 Resp: 427618
Ion Ratio Lower Upper
99 100
42 22.8 17.5 26.3
71 35.9 28.3 42.5





#19

n-Nitroso-di-n-propylamine

Concen: 13.323 ng

RT: 9.439 min Scan# 1047

Delta R.T. 0.364 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

Instrument :

BNA_G

ClientSampleId :

SB-18

Tgt Ion: 70 Resp: 35275

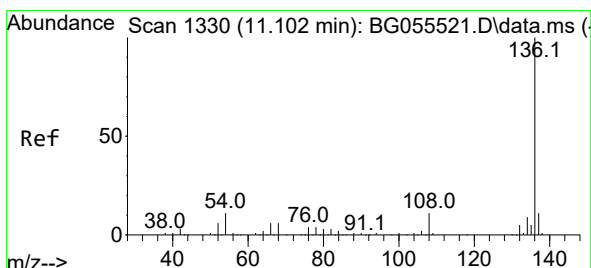
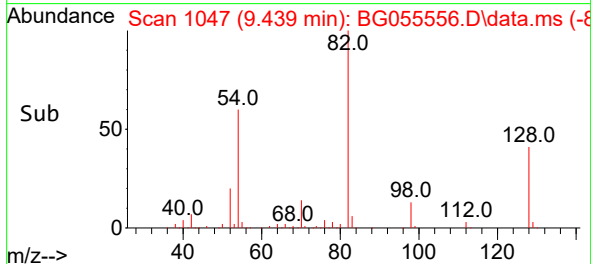
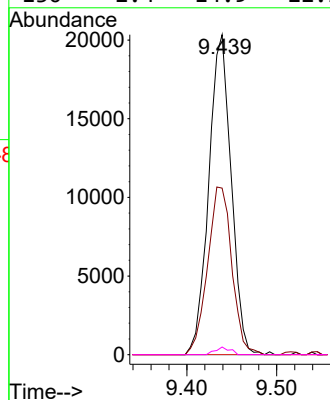
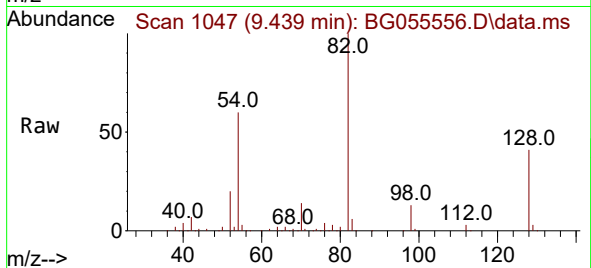
Ion Ratio Lower Upper

70 100

42 52.0 54.8 82.2#

101 0.0 6.8 10.2#

130 2.4 14.9 22.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.096 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

Tgt Ion: 136 Resp: 184385

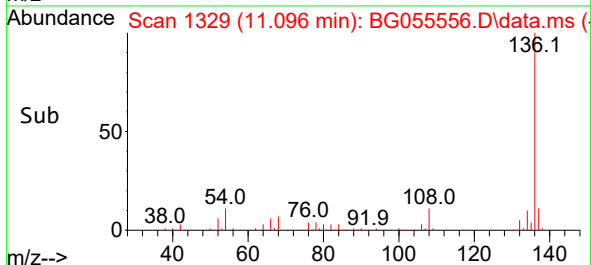
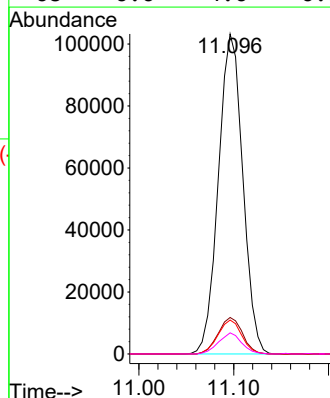
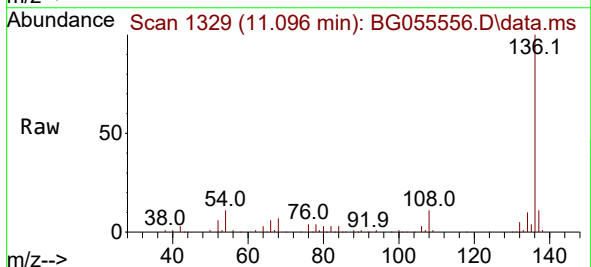
Ion Ratio Lower Upper

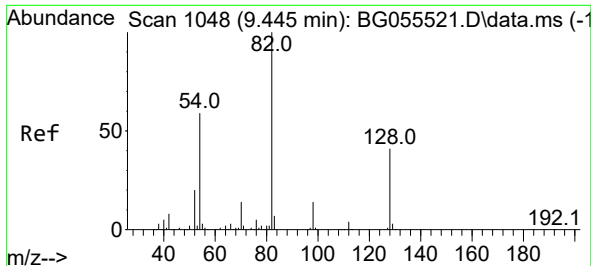
136 100

137 11.4 8.6 12.8

54 10.6 8.6 12.8

68 6.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 94.629 ng

RT: 9.439 min Scan# 1047

Delta R.T. -0.006 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

Instrument :

BNA_G

ClientSampleId :

SB-18

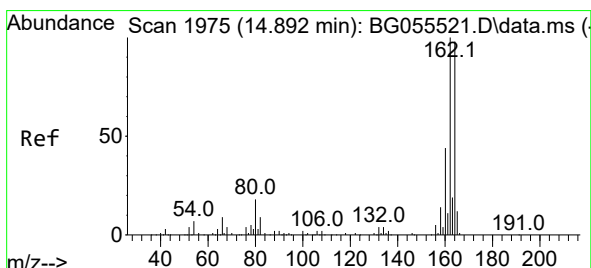
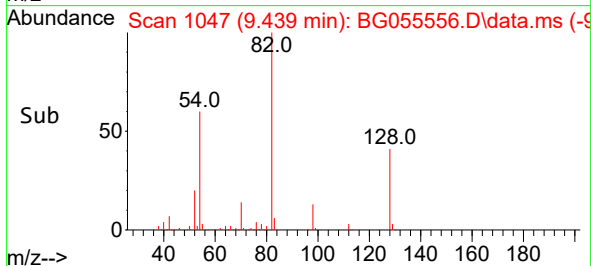
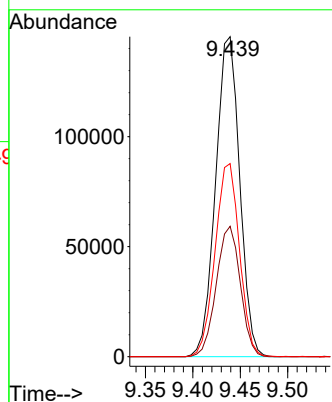
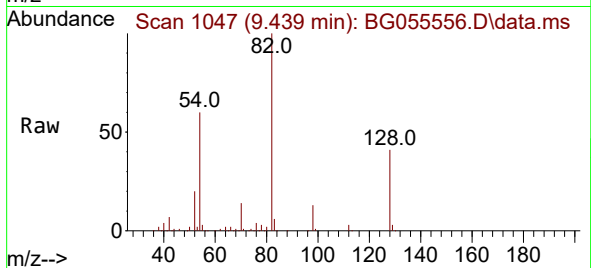
Tgt Ion: 82 Resp: 257380

Ion Ratio Lower Upper

82 100

128 40.8 32.6 49.0

54 60.3 47.3 70.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.886 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

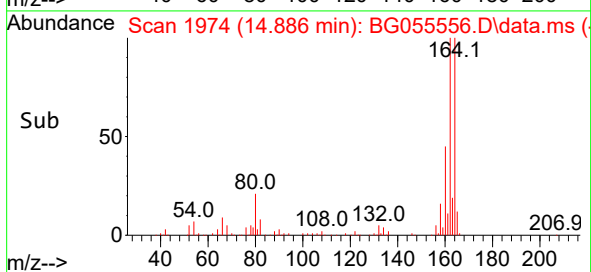
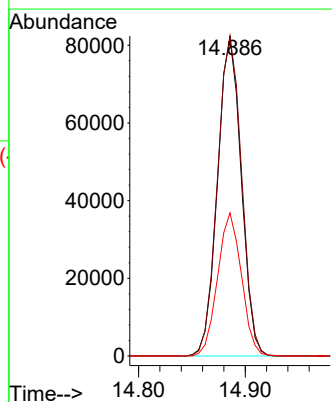
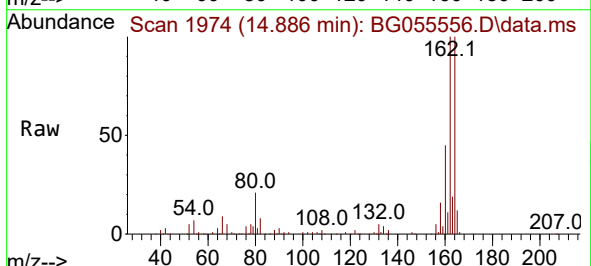
Tgt Ion:164 Resp: 126444

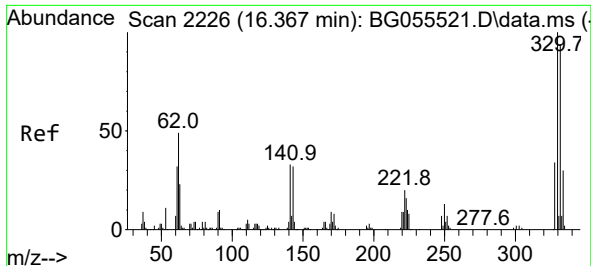
Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

160 44.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 146.653 ng

RT: 16.366 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

Instrument :

BNA_G

ClientSampleId :

SB-18

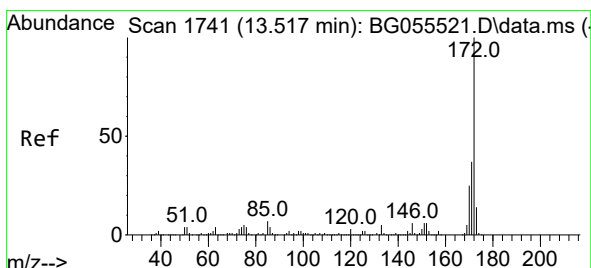
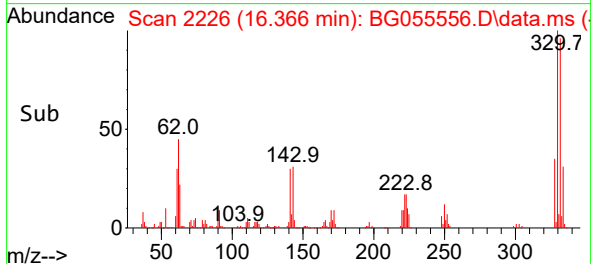
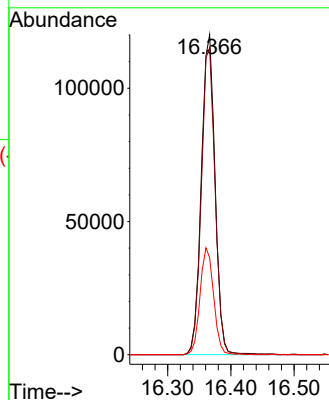
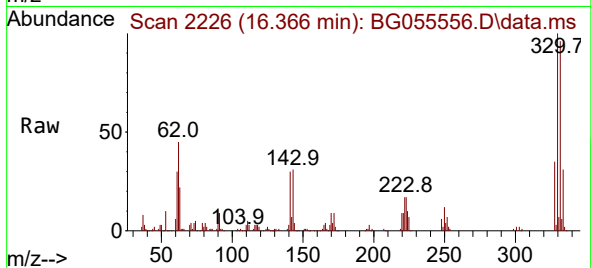
Tgt Ion:330 Resp: 180929

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

141 33.1 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 76.325 ng

RT: 13.511 min Scan# 1740

Delta R.T. -0.006 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

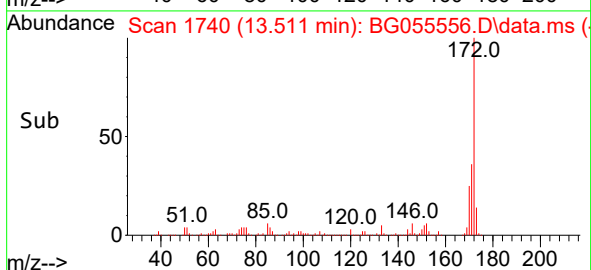
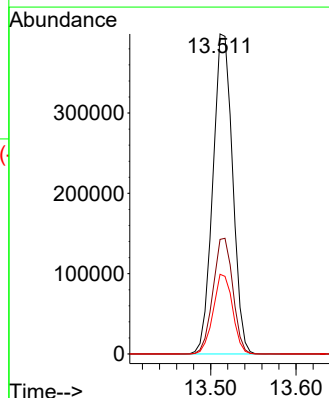
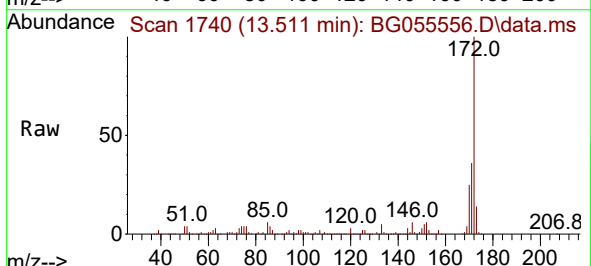
Tgt Ion:172 Resp: 639807

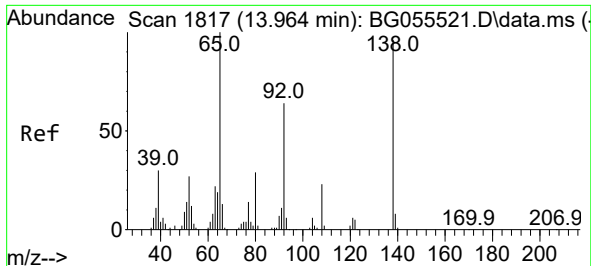
Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

170 24.9 19.8 29.6

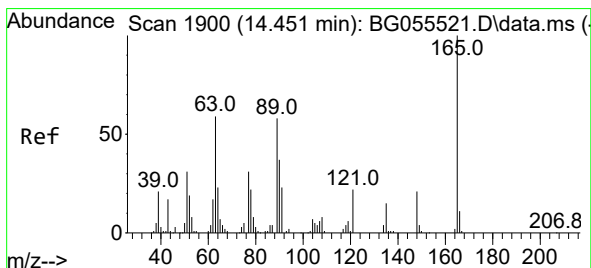
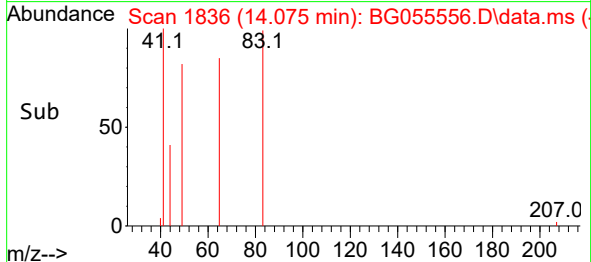
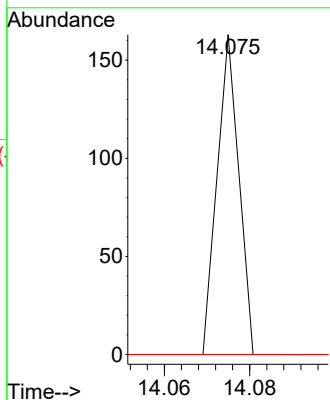
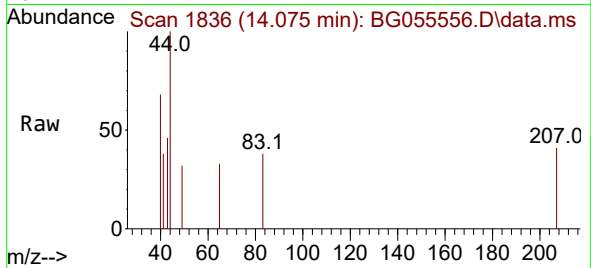




#48
2-Nitroaniline
Concen: 3.815 ng
RT: 14.075 min Scan# 11
Delta R.T. 0.111 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

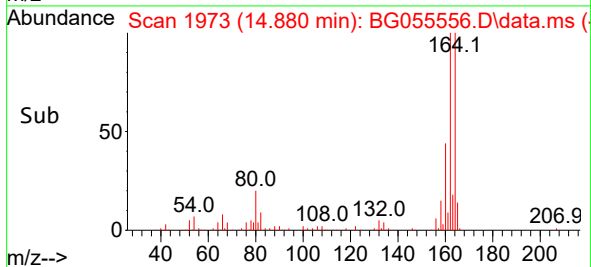
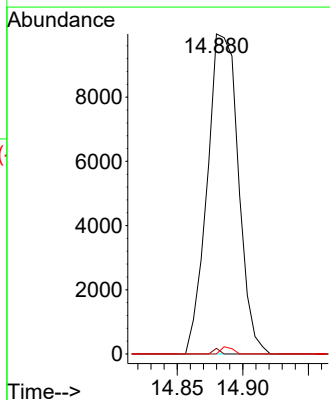
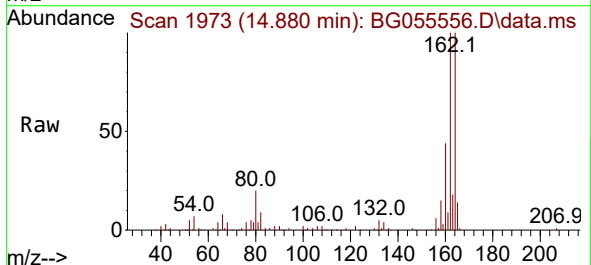
Instrument :
BNA_G
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SB-18

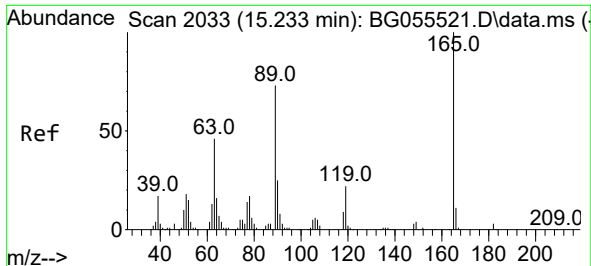
Tgt Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 51.6 77.4#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.235 ng
RT: 14.880 min Scan# 1973
Delta R.T. 0.429 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

Tgt Ion: 165 Resp: 16419
Ion Ratio Lower Upper
165 100
63 1.8 50.1 75.1#
89 0.0 46.5 69.7#





#57

2,4-Dinitrotoluene

Concen: 10.427 ng

RT: 14.880 min Scan# 14

Delta R.T. -0.353 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

Instrument :

BNA_G

ClientSampleId :

SB-18

Tgt Ion:165 Resp: 16419

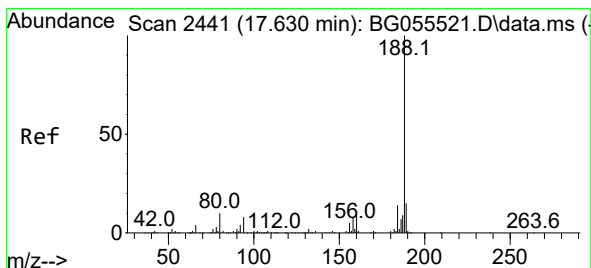
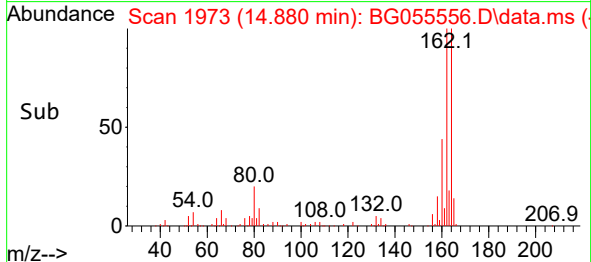
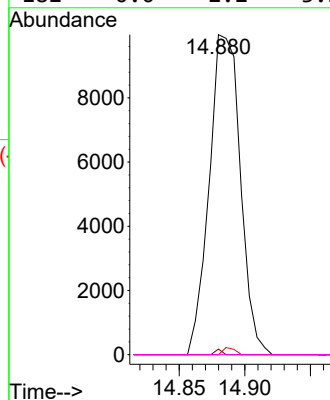
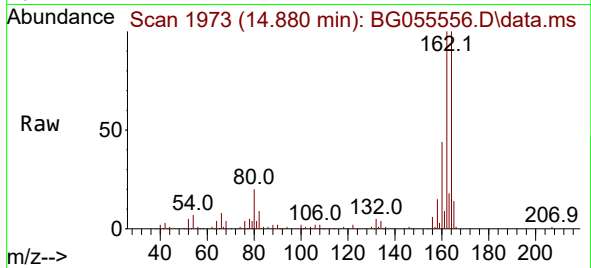
Ion Ratio Lower Upper

165 100

63 1.8 37.0 55.4#

89 0.0 58.6 87.8#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.624 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BG055556.D

Acq: 11 Nov 2022 2:28

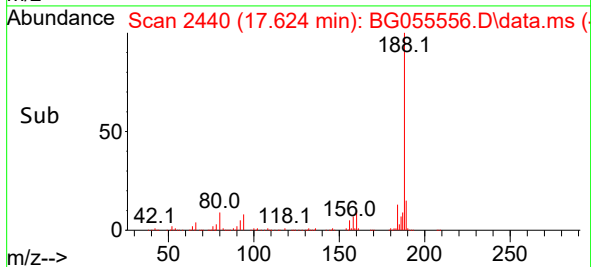
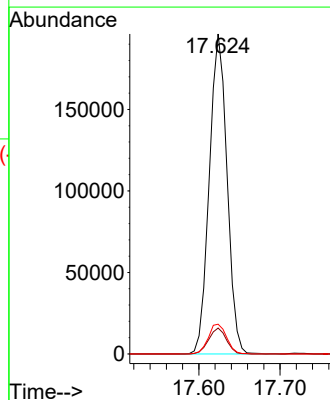
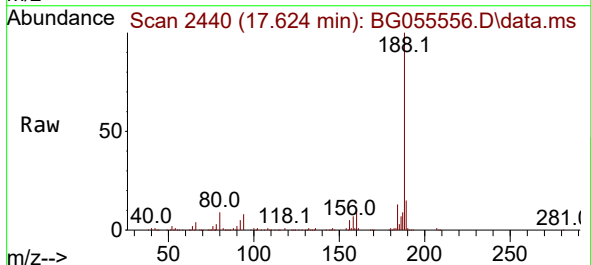
Tgt Ion:188 Resp: 297178

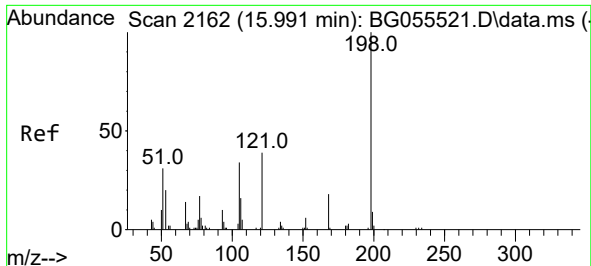
Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 9.3 7.6 11.4

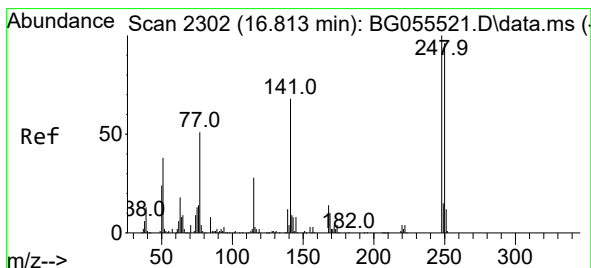
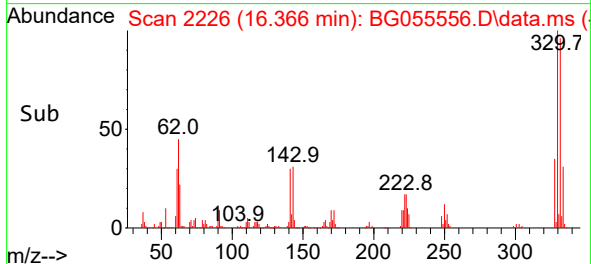
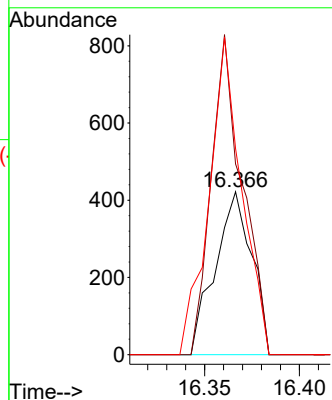
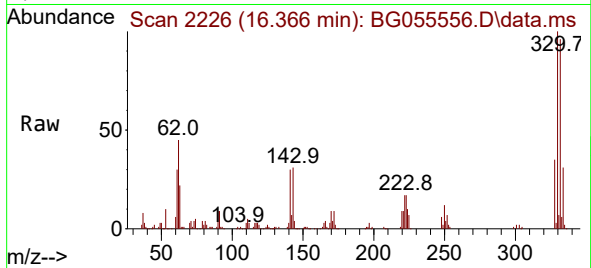




#65
4,6-Dinitro-2-methylphenol
Concen: 2.685 ng
RT: 16.366 min Scan# 2162
Delta R.T. 0.375 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

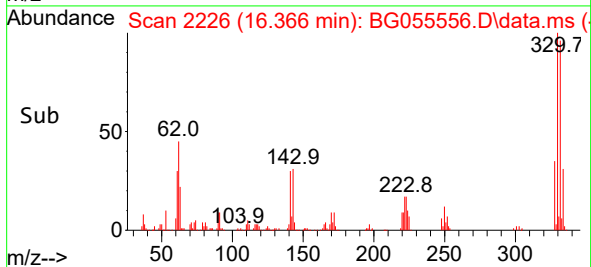
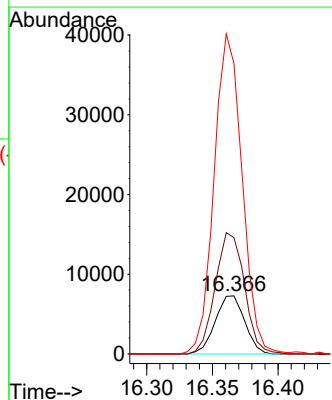
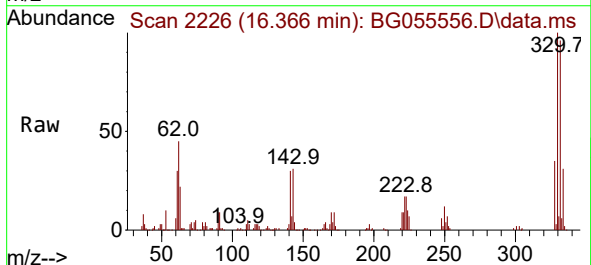
Instrument :
BNA_G
ClientSampleId :
SB-18

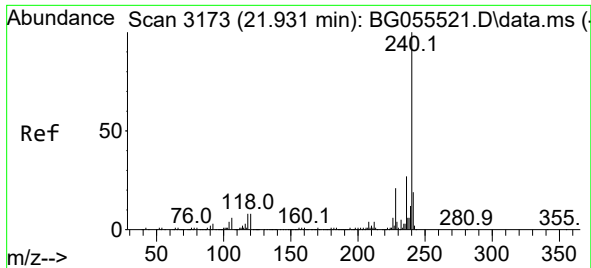
Tgt Ion:198 Resp: 567
Ion Ratio Lower Upper
198 100
51 117.1 24.7 64.7#
105 126.5 17.6 57.6#



#67
4-Bromophenyl-phenylether
Concen: 3.753 ng
RT: 16.366 min Scan# 2226
Delta R.T. -0.447 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

Tgt Ion:248 Resp: 11378
Ion Ratio Lower Upper
248 100
250 200.4 76.9 115.3#
141 500.1 54.3 81.5#

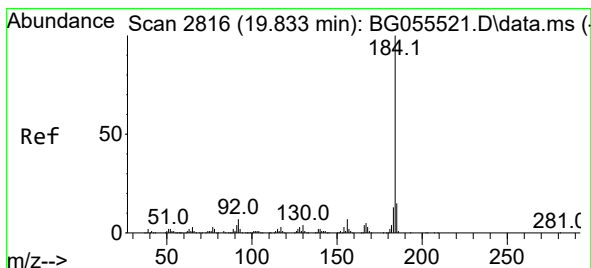
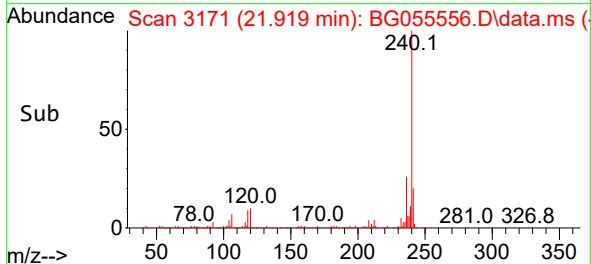
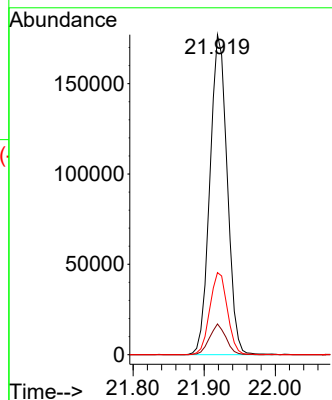
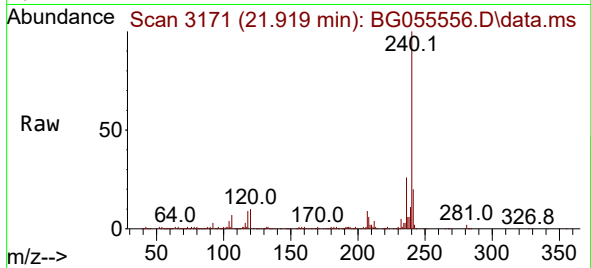




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3173
Delta R.T. -0.012 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

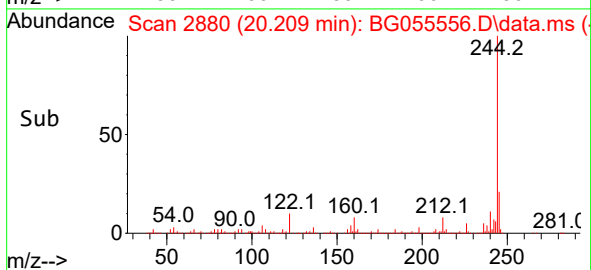
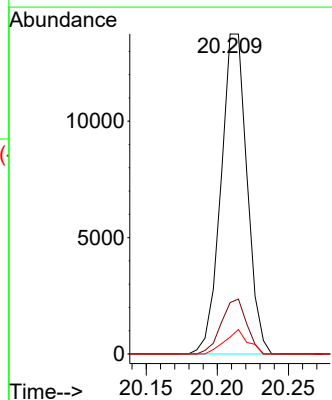
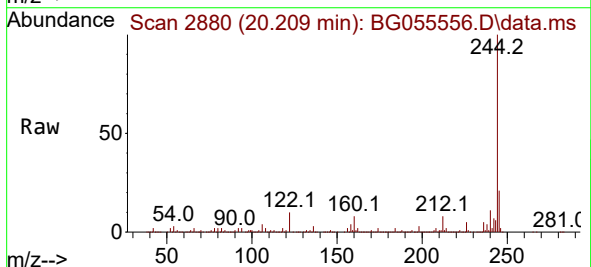
Instrument :
BNA_G
ClientSampleId :
SB-18

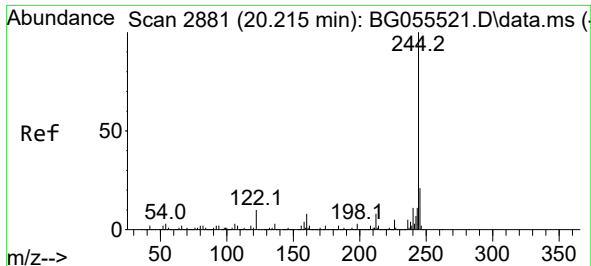
Tgt Ion:240 Resp: 299532
Ion Ratio Lower Upper
240 100
120 9.6 6.1 9.1#
236 25.7 21.4 32.0



#77
Benzidine
Concen: 2.163 ng
RT: 20.209 min Scan# 2880
Delta R.T. 0.376 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

Tgt Ion:184 Resp: 17530
Ion Ratio Lower Upper
184 100
185 16.0 12.0 18.0
183 5.3 10.2 15.2#

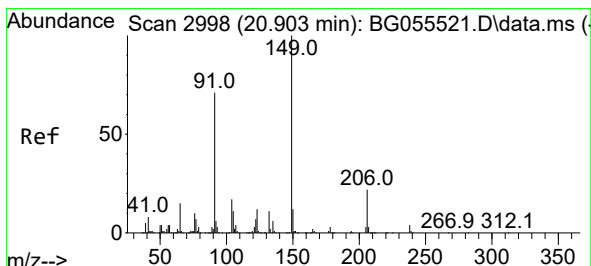
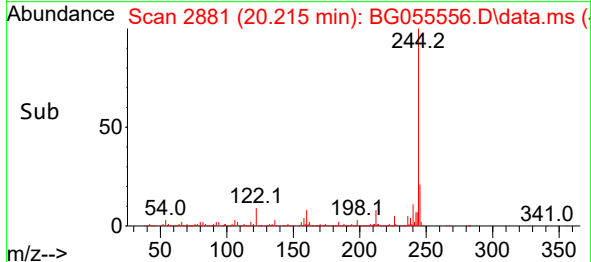
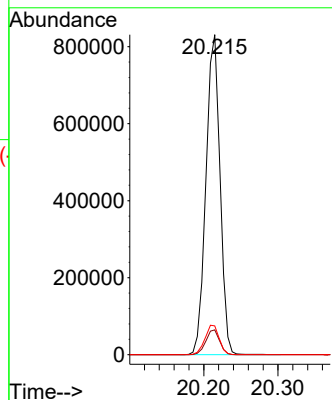
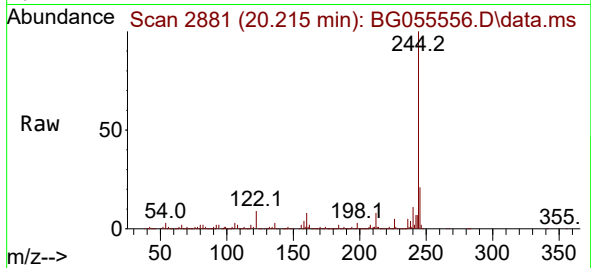




#79
 Terphenyl-d14
 Concen: 73.602 ng
 RT: 20.215 min Scan# 2881
 Delta R.T. -0.000 min
 Lab File: BG055556.D
 Acq: 11 Nov 2022 2:28

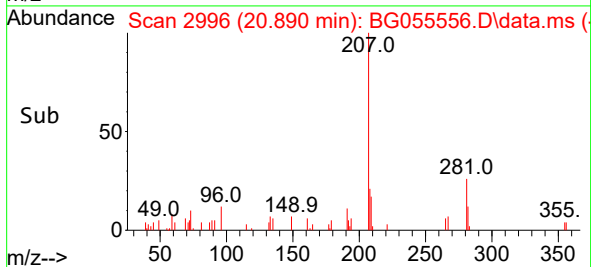
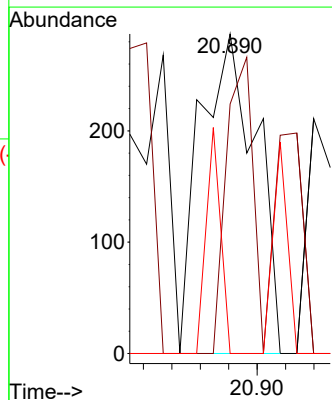
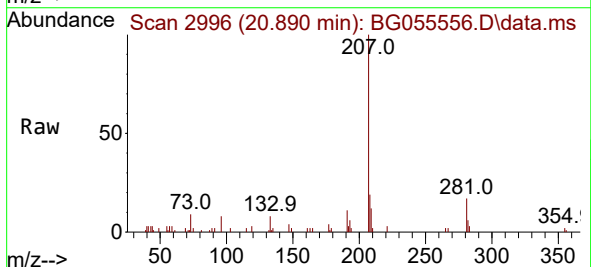
Instrument :
 BNA_G
 ClientSampleId :
 SB-18

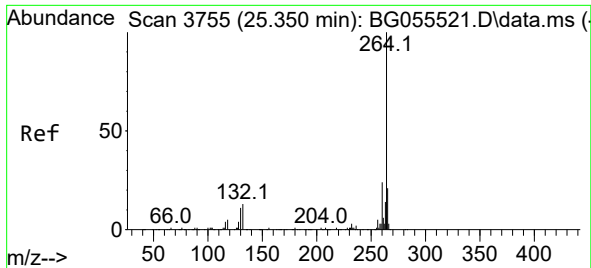
Tgt Ion:244 Resp: 1097605
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 9.0 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 3.412 ng
 RT: 20.890 min Scan# 2996
 Delta R.T. -0.013 min
 Lab File: BG055556.D
 Acq: 11 Nov 2022 2:28

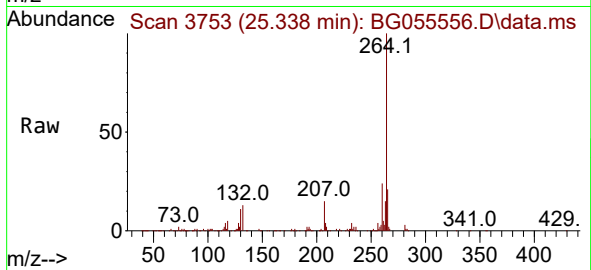
Tgt Ion:149 Resp: 394
 Ion Ratio Lower Upper
 149 100
 91 78.0 56.8 85.2
 206 0.0 17.3 25.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.338 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG055556.D
Acq: 11 Nov 2022 2:28

Instrument :
BNA_G
ClientSampleId :
SB-18



Tgt Ion:264 Resp: 308420
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.3 17.1 25.7

