

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042722\
 Data File : BG053356.D
 Acq On : 28 Apr 2022 1:57
 Operator : CG/JU
 Sample : N2482-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COP-1R

Quant Time: Apr 28 06:41:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

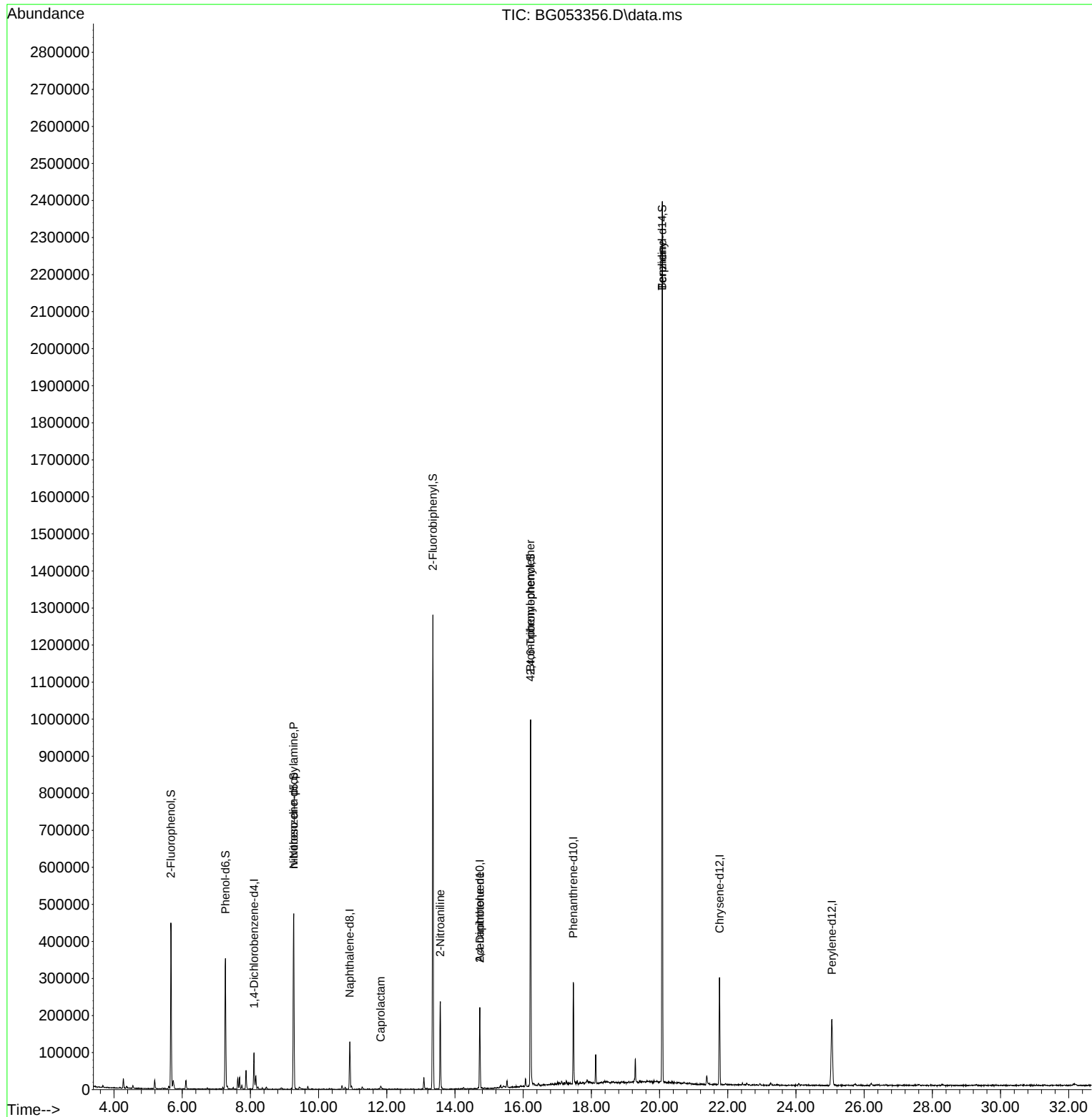
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.106	152	26232	20.000	ng	# 0.00
21) Naphthalene-d8	10.914	136	105820	20.000	ng	# 0.00
39) Acenaphthene-d10	14.726	164	78250	20.000	ng	0.00
64) Phenanthrene-d10	17.469	188	175673	20.000	ng	-0.01
76) Chrysene-d12	21.758	240	195529	20.000	ng	0.00
86) Perylene-d12	25.053	264	211474	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.668	112	184554	120.601	ng	0.00
7) Phenol-d6	7.266	99	198990	84.322	ng	0.00
23) Nitrobenzene-d5	9.269	82	307166	117.860	ng	0.00
42) 2,4,6-Tribromophenol	16.218	330	206414	165.804	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	660848	116.453	ng	0.00
79) Terphenyl-d14	20.078	244	1167182	100.817	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.269	70	44369	25.681	ng	# 75
35) Caprolactam	11.818	113	1408	2.093	ng	# 87
48) 2-Nitroaniline	13.569	65	7895	4.627	ng	# 16
57) 2,4-Dinitrotoluene	14.726	165	10275	5.527	ng	# 22
67) 4-Bromophenyl-phenylether	16.212	248	13236	5.880	ng	# 1
77) Benzidine	20.078	184	20242	3.628	ng	# 93

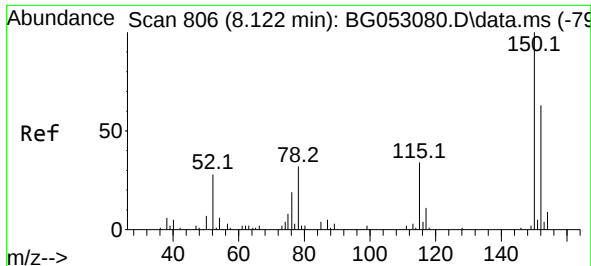
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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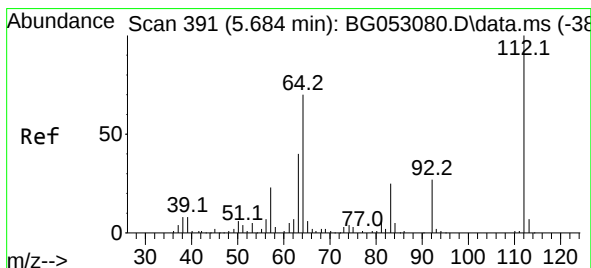
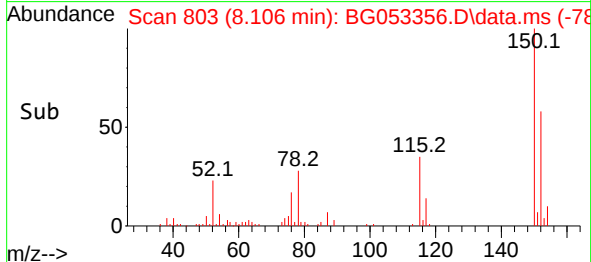
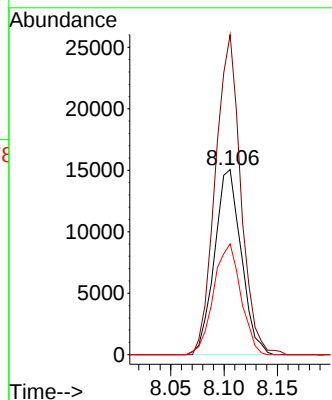
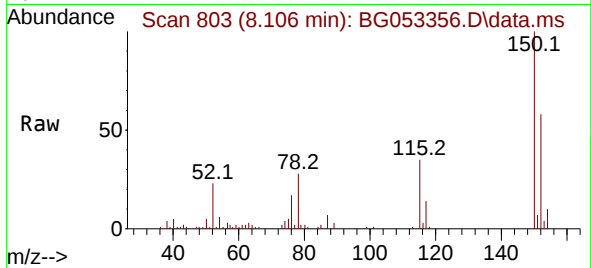




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.106 min Scan# 806
Delta R.T. -0.007 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

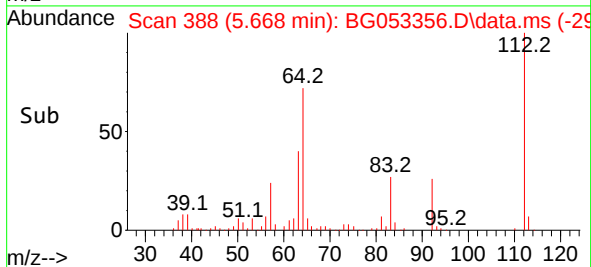
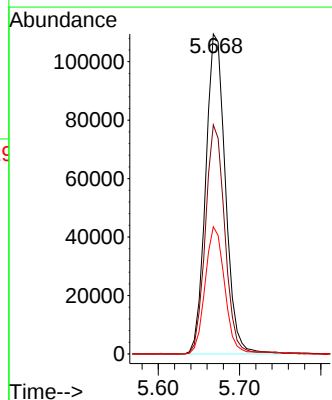
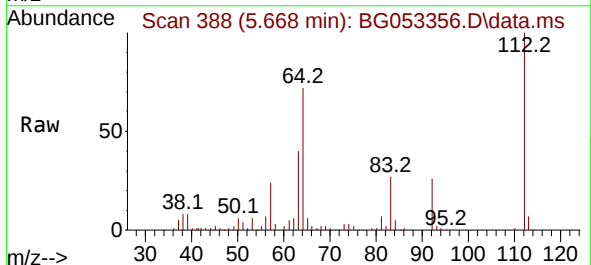
Instrument :
BNA_G
ClientSampleId :
COP-1R

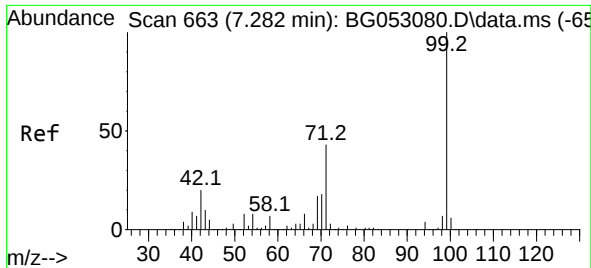
Tgt Ion:152 Resp: 26232
Ion Ratio Lower Upper
152 100
150 172.9 114.6 172.0#
115 59.9 45.9 68.9



#5
2-Fluorophenol
Concen: 120.601 ng
RT: 5.668 min Scan# 388
Delta R.T. -0.008 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

Tgt Ion:112 Resp: 184554
Ion Ratio Lower Upper
112 100
64 71.6 48.0 72.0
63 39.8 26.5 39.7#

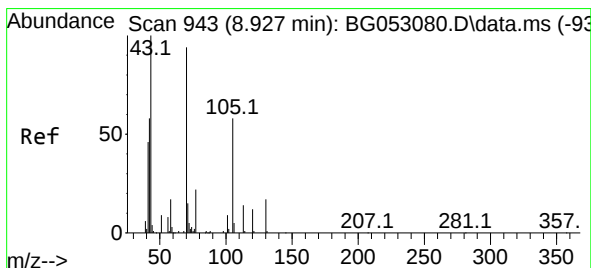
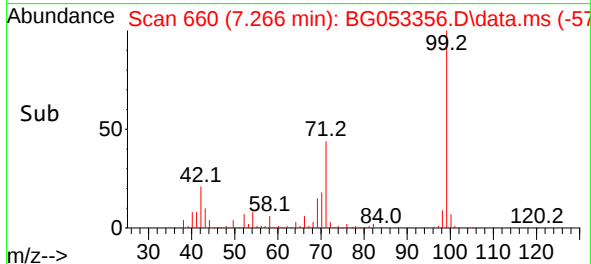
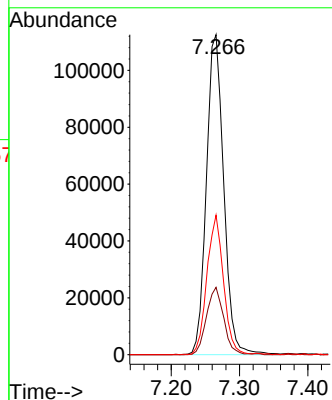
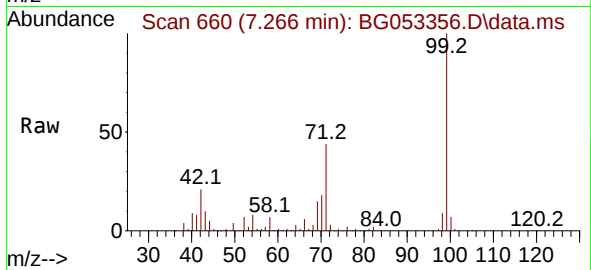




#7
Phenol-d6
Concen: 84.322 ng
RT: 7.266 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

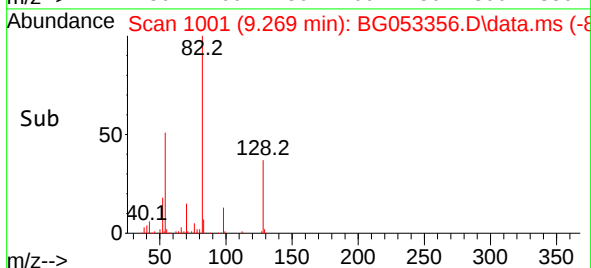
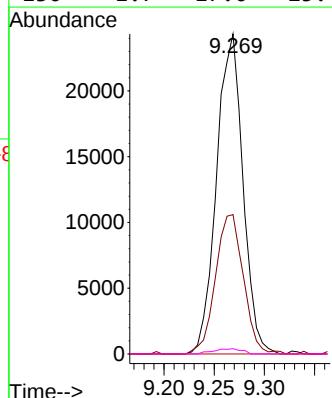
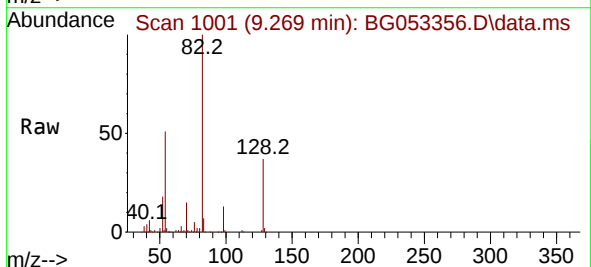
Instrument :
BNA_G
ClientSampleId :
COP-1R

Tgt Ion: 99 Resp: 198990
Ion Ratio Lower Upper
99 100
42 21.0 14.7 22.1
71 43.6 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 25.681 ng
RT: 9.269 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

Tgt Ion: 70 Resp: 44369
Ion Ratio Lower Upper
70 100
42 43.6 46.0 69.0#
101 0.0 6.2 9.4#
130 1.7 17.0 25.4#

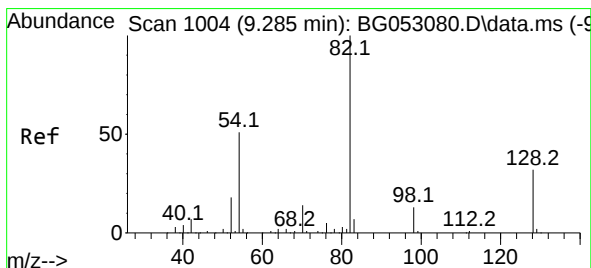
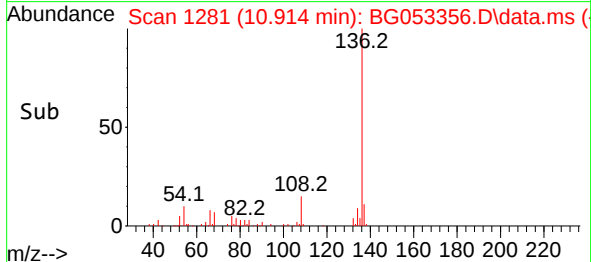
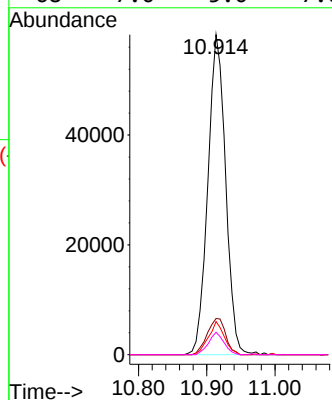
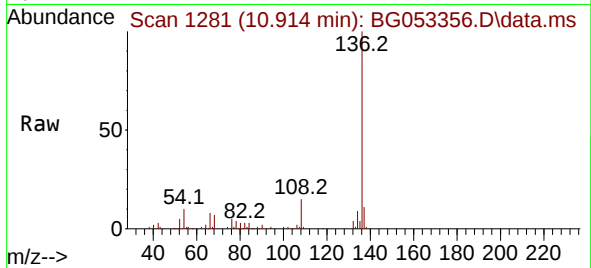




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.914 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

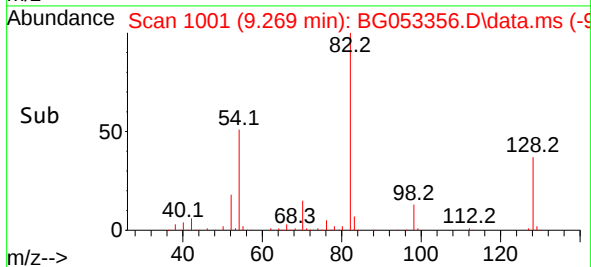
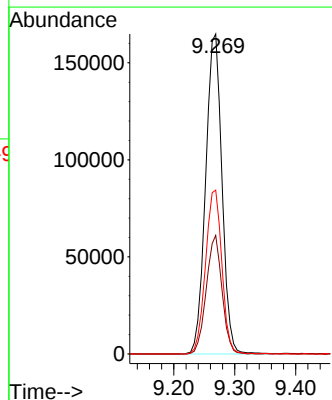
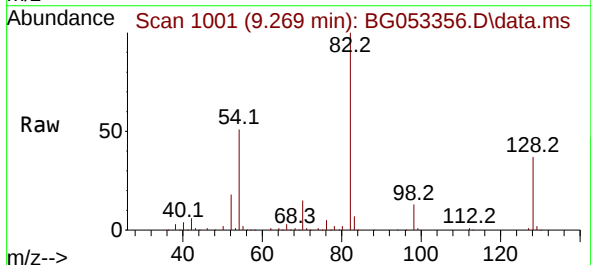
Instrument :
BNA_G
ClientSampleId :
COP-1R

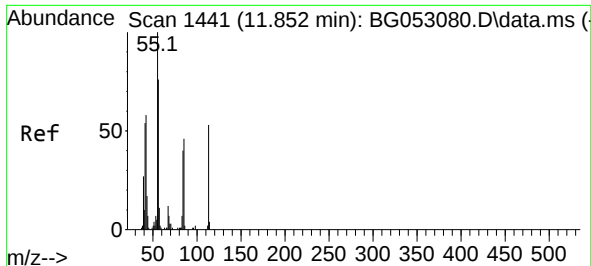
Tgt Ion:136 Resp: 105820
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 10.4 6.4 9.6#
68 7.0 5.0 7.6



#23
Nitrobenzene-d5
Concen: 117.860 ng
RT: 9.269 min Scan# 1001
Delta R.T. -0.008 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

Tgt Ion: 82 Resp: 307166
Ion Ratio Lower Upper
82 100
128 37.1 31.3 46.9
54 51.2 37.8 56.8

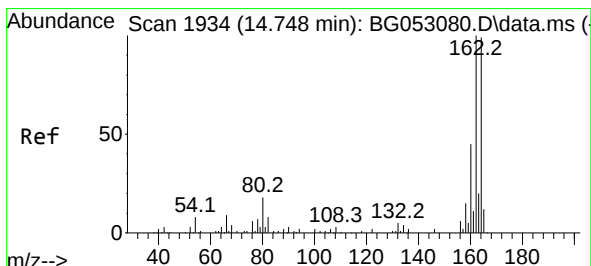
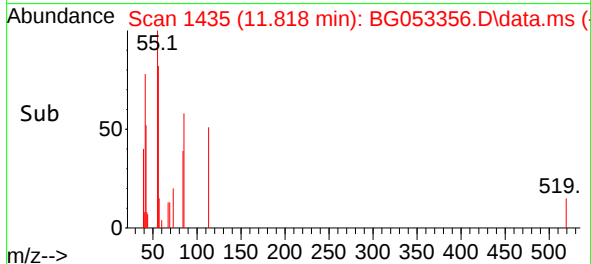
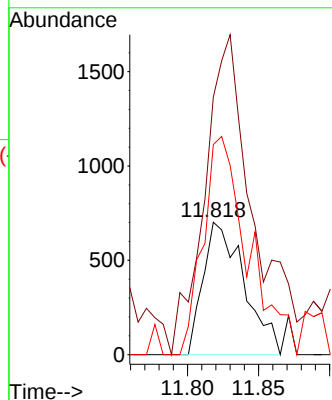
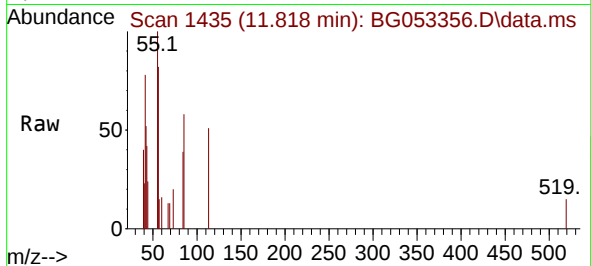




#35
Caprolactam
Concen: 2.093 ng
RT: 11.818 min Scan# 1441
Delta R.T. -0.031 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

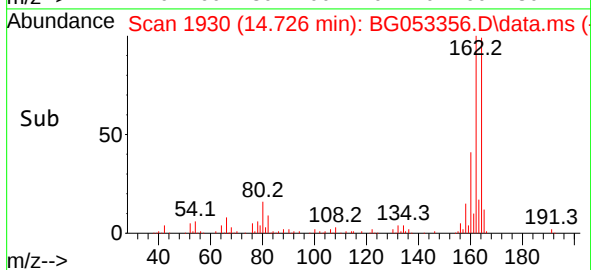
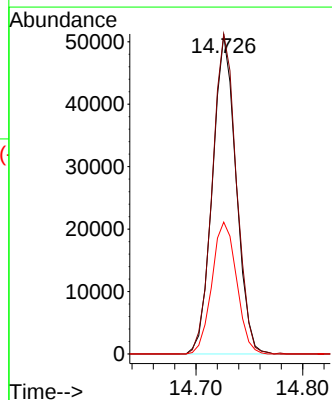
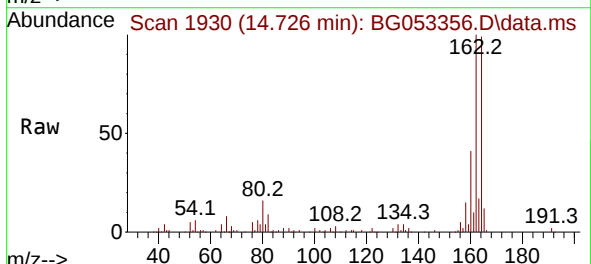
Instrument :
BNA_G
ClientSampleId :
COP-1R

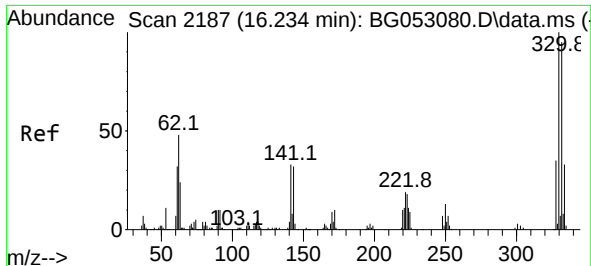
Tgt Ion:113 Resp: 1408
Ion Ratio Lower Upper
113 100
55 194.4 151.3 191.3#
56 158.5 128.5 168.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.726 min Scan# 1930
Delta R.T. -0.008 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

Tgt Ion:164 Resp: 78250
Ion Ratio Lower Upper
164 100
162 100.5 80.0 120.0
160 41.4 38.8 58.2

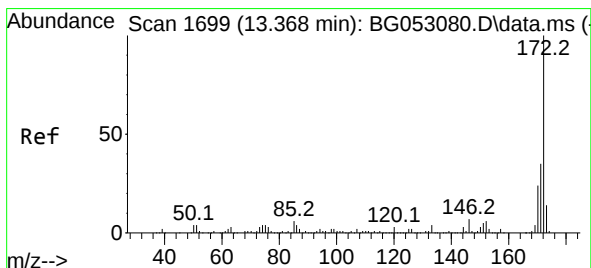
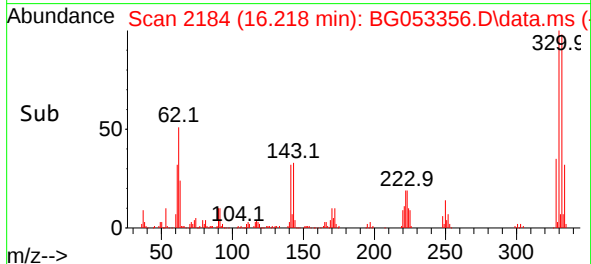
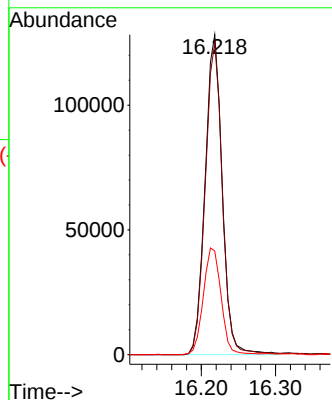
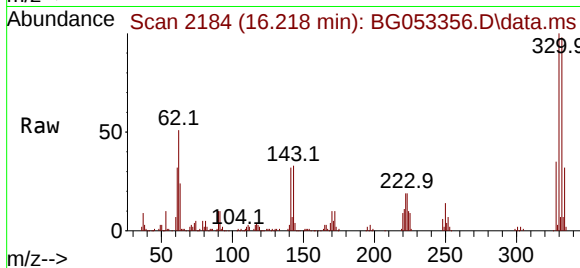




#42
2,4,6-Tribromophenol
Concen: 165.804 ng
RT: 16.218 min Scan# 2187
Delta R.T. -0.008 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

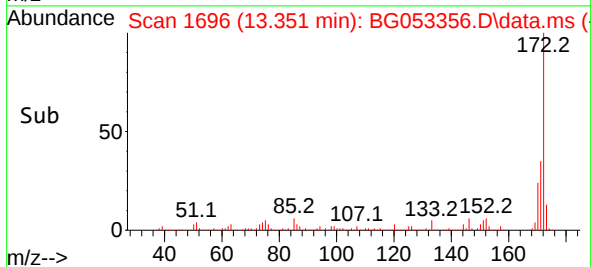
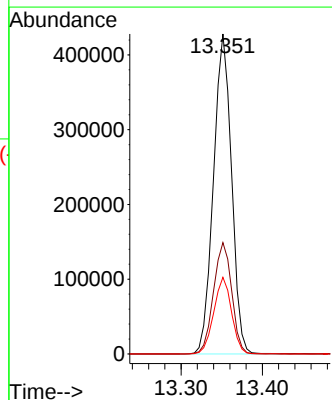
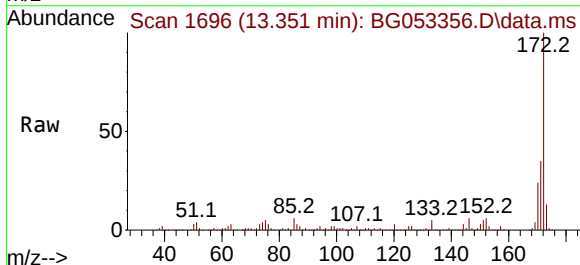
Instrument :
BNA_G
ClientSampleId :
COP-1R

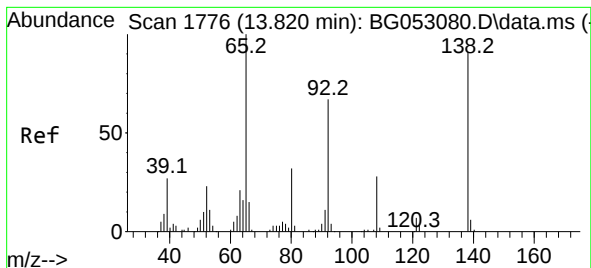
Tgt Ion:330 Resp: 206414
Ion Ratio Lower Upper
330 100
332 96.8 75.8 113.6
141 34.5 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 116.453 ng
RT: 13.351 min Scan# 1696
Delta R.T. -0.008 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

Tgt Ion:172 Resp: 660848
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.9 18.0 27.0





#48

2-Nitroaniline

Concen: 4.627 ng

RT: 13.569 min Scan# 1

Delta R.T. -0.243 min

Lab File: BG053356.D

Acq: 28 Apr 2022 1:57

Instrument :

BNA_G

ClientSampleId :

COP-1R

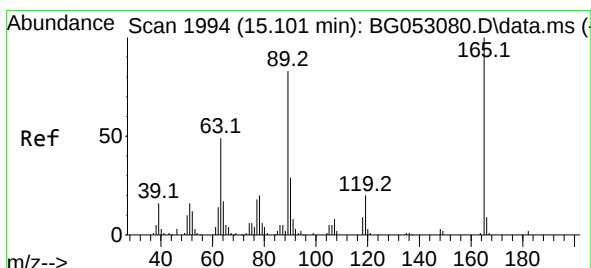
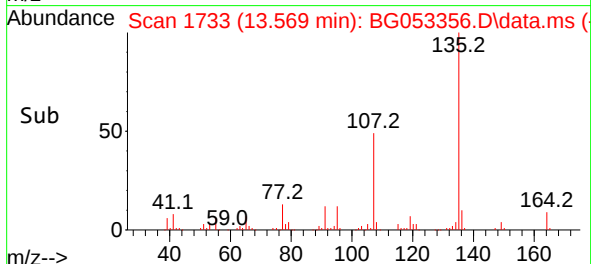
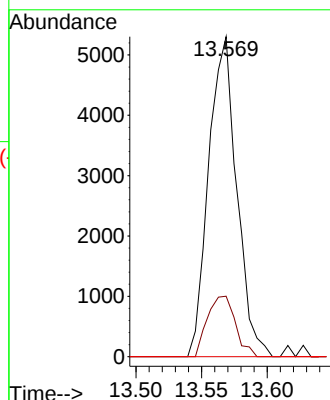
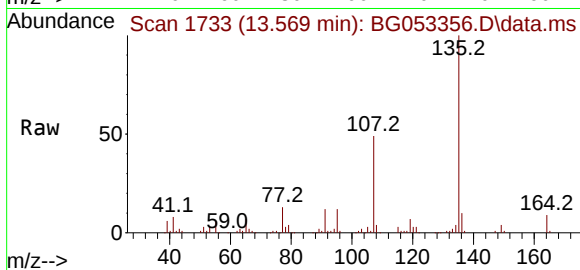
Tgt Ion: 65 Resp: 7895

Ion Ratio Lower Upper

65 100

92 18.9 52.1 78.1#

138 0.0 80.1 120.1#



#57

2,4-Dinitrotoluene

Concen: 5.527 ng

RT: 14.726 min Scan# 1930

Delta R.T. -0.366 min

Lab File: BG053356.D

Acq: 28 Apr 2022 1:57

Tgt Ion:165 Resp: 10275

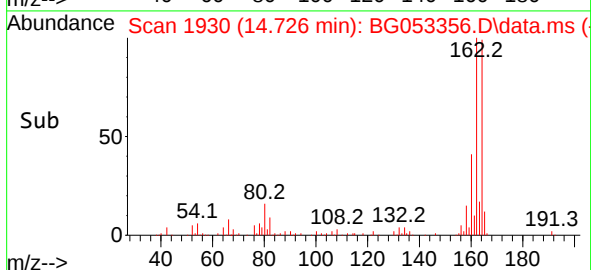
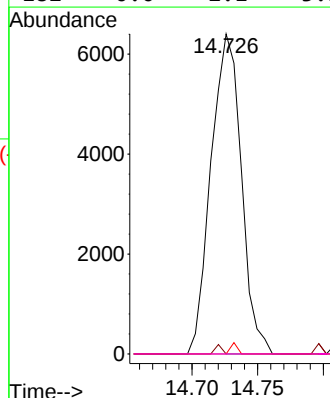
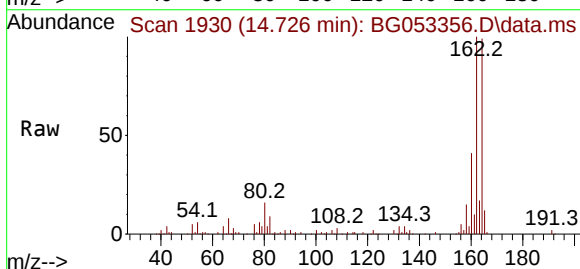
Ion Ratio Lower Upper

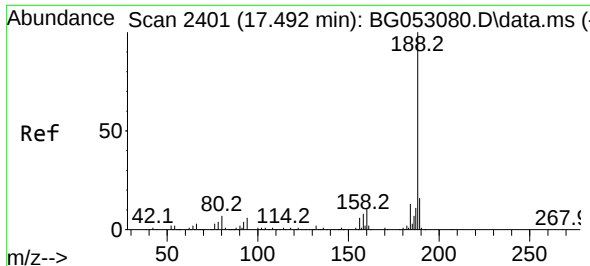
165 100

63 0.0 34.8 52.2#

89 0.0 57.4 86.0#

182 0.0 2.1 3.1#

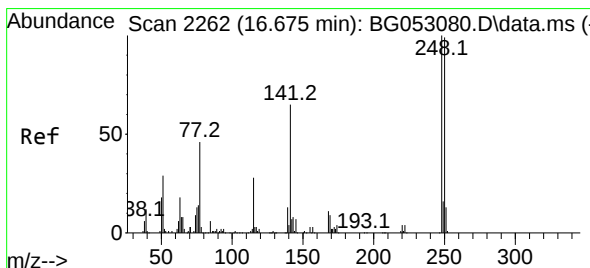
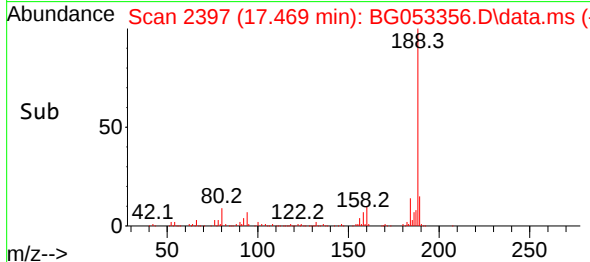
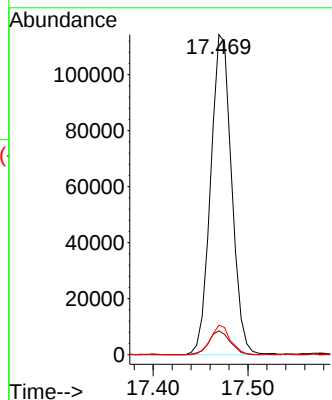
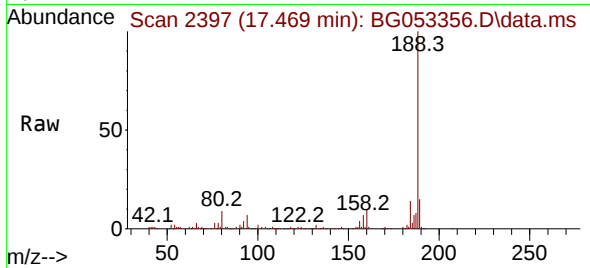




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.469 min Scan# 2183
Delta R.T. -0.014 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

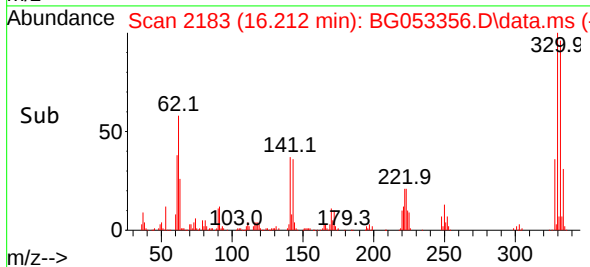
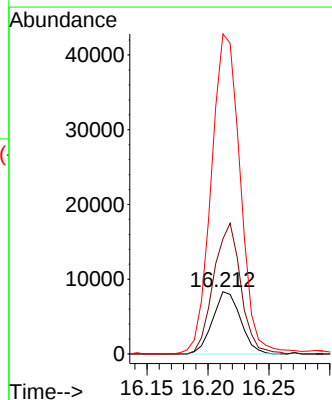
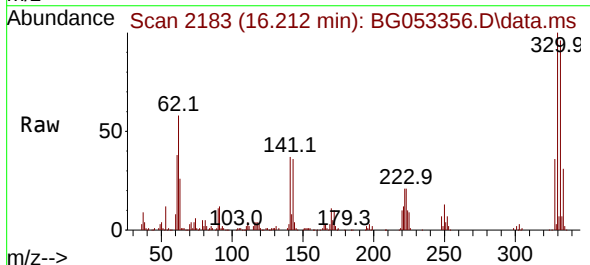
Instrument :
BNA_G
ClientSampleId :
COP-1R

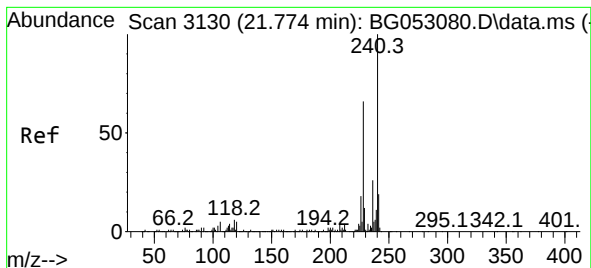
Tgt Ion:188 Resp: 175673
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 9.2 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 5.880 ng
RT: 16.212 min Scan# 2183
Delta R.T. -0.449 min
Lab File: BG053356.D
Acq: 28 Apr 2022 1:57

Tgt Ion:248 Resp: 13236
Ion Ratio Lower Upper
248 100
250 184.9 77.9 116.9#
141 514.5 49.2 73.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.758 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG053356.D

Acq: 28 Apr 2022 1:57

Instrument :

BNA_G

ClientSampleId :

COP-1R

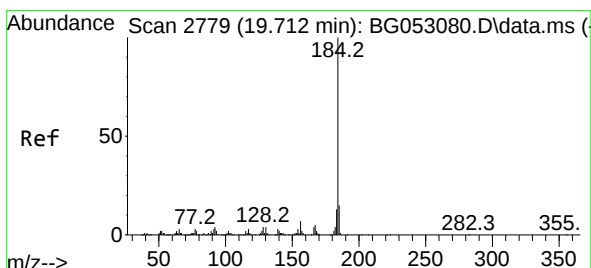
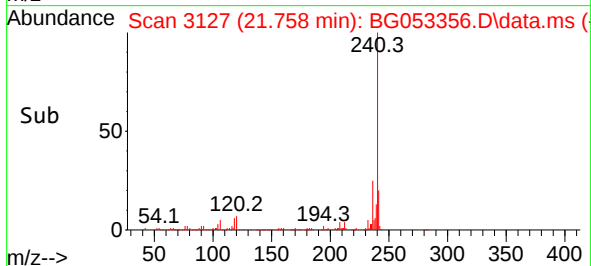
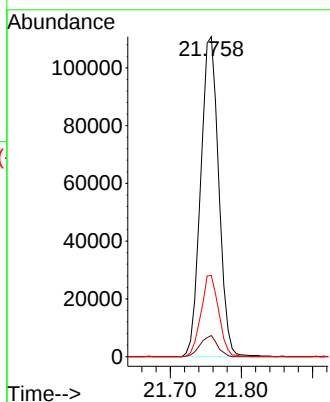
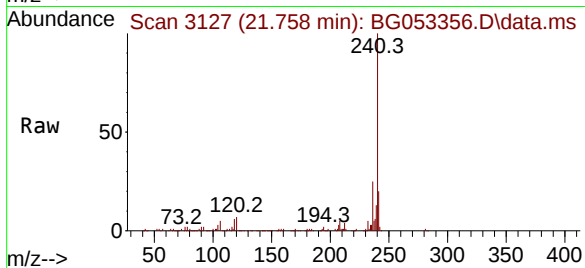
Tgt Ion:240 Resp: 195529

Ion Ratio Lower Upper

240 100

120 6.6 5.4 8.0

236 25.4 19.8 29.6



#77

Benzidine

Concen: 3.628 ng

RT: 20.078 min Scan# 2841

Delta R.T. 0.374 min

Lab File: BG053356.D

Acq: 28 Apr 2022 1:57

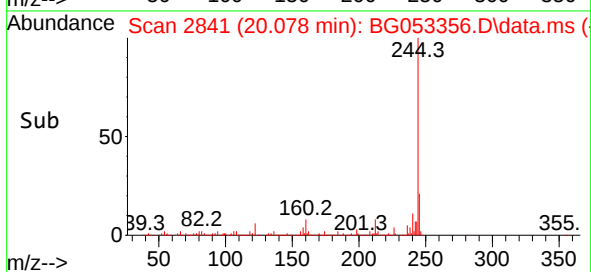
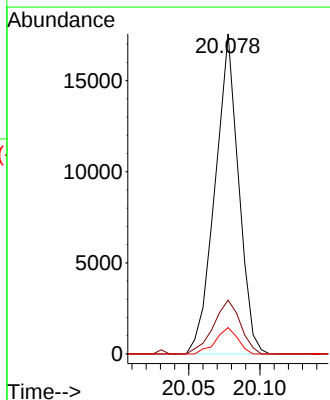
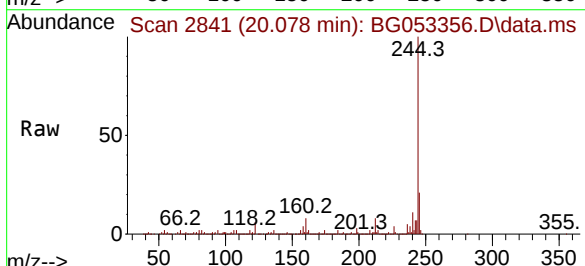
Tgt Ion:184 Resp: 20242

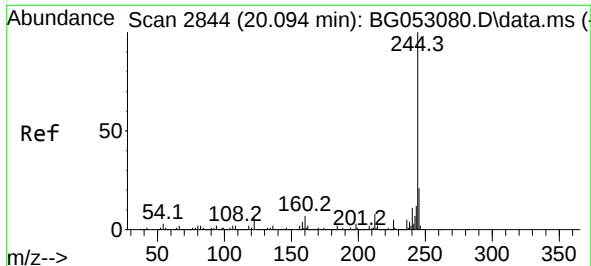
Ion Ratio Lower Upper

184 100

185 16.8 11.5 17.3

183 8.2 9.4 14.2#

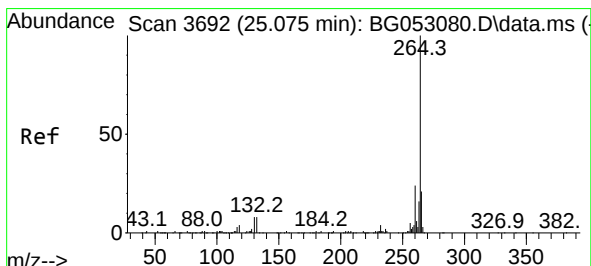
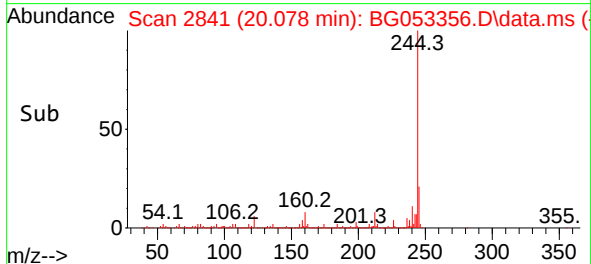
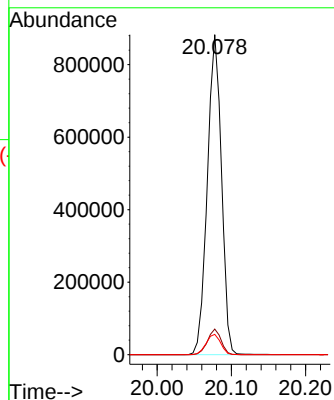
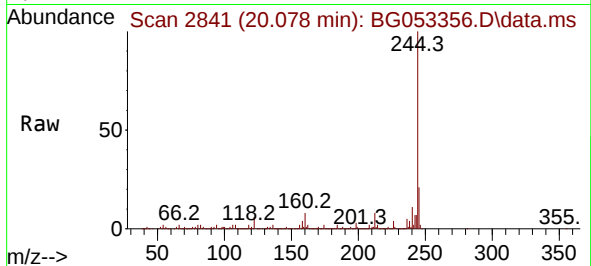




#79
 Terphenyl-d14
 Concen: 100.817 ng
 RT: 20.078 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG053356.D
 Acq: 28 Apr 2022 1:57

Instrument :
 BNA_G
 ClientSampleId :
 COP-1R

Tgt Ion:244 Resp: 1167182
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 6.4 5.8 8.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.053 min Scan# 3688
 Delta R.T. -0.008 min
 Lab File: BG053356.D
 Acq: 28 Apr 2022 1:57

Tgt Ion:264 Resp: 211474
 Ion Ratio Lower Upper
 264 100
 260 21.6 18.2 27.2
 265 21.4 15.1 22.7

