

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042622\
 Data File : BG053333.D
 Acq On : 26 Apr 2022 23:24
 Operator : CG/JU
 Sample : N2548-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Apr 27 03:39:03 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)

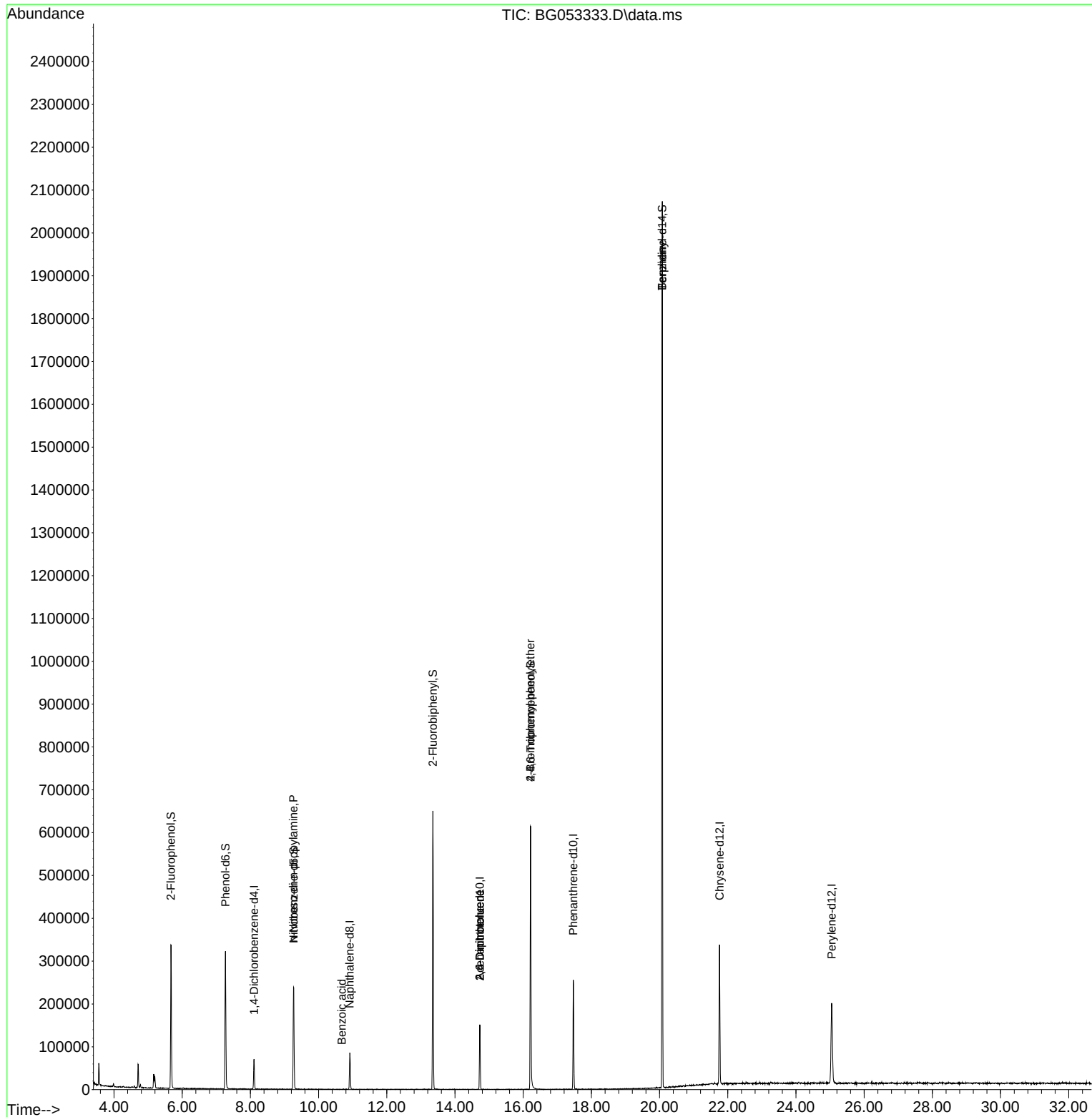
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.106	152	18636	20.000	ng	# 0.00
21) Naphthalene-d8	10.914	136	73575	20.000	ng	0.00
39) Acenaphthene-d10	14.726	164	57011	20.000	ng	0.00
64) Phenanthrene-d10	17.470	188	170789	20.000	ng	-0.01
76) Chrysene-d12	21.758	240	213636	20.000	ng	0.00
86) Perylene-d12	25.048	264	214341	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.668	112	142446	131.025	ng	0.00
7) Phenol-d6	7.266	99	184061	109.787	ng	0.00
23) Nitrobenzene-d5	9.269	82	157504	86.921	ng	0.00
42) 2,4,6-Tribromophenol	16.218	330	135045	148.888	ng	0.00
45) 2-Fluorobiphenyl	13.352	172	345008	83.446	ng	0.00
79) Terphenyl-d14	20.078	244	1051871	83.156	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.263	70	22096	18.002	ng	# 77
32) Benzoic acid	10.679	122	62	3.713	ng	# 1
51) 2,6-Dinitrotoluene	14.726	165	7684	8.077	ng	# 26
57) 2,4-Dinitrotoluene	14.726	165	7684	5.674	ng	# 24
67) 4-Bromophenyl-phenylether	16.213	248	8611	3.935	ng	# 1
77) Benzidine	20.078	184	17740	2.910	ng	# 92

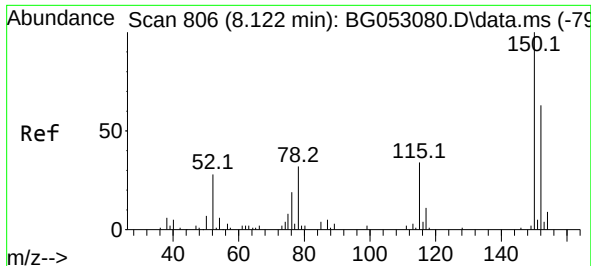
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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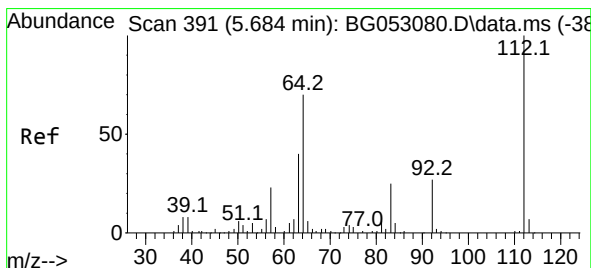
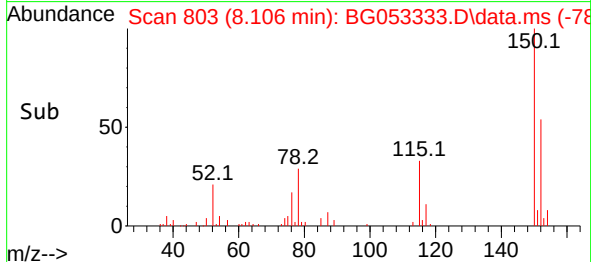
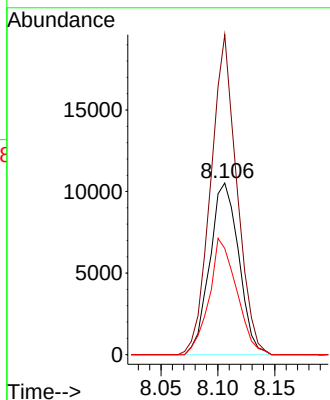
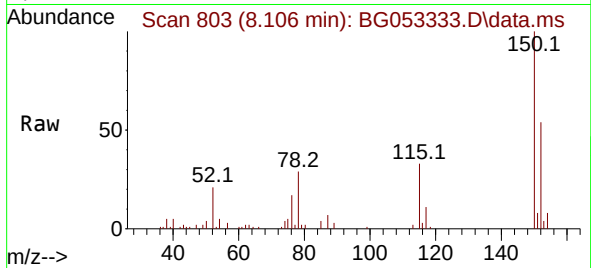




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.106 min Scan# 806
Delta R.T. -0.007 min
Lab File: BG053333.D
Acq: 26 Apr 2022 23:24

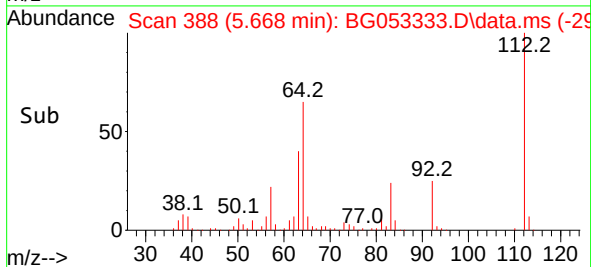
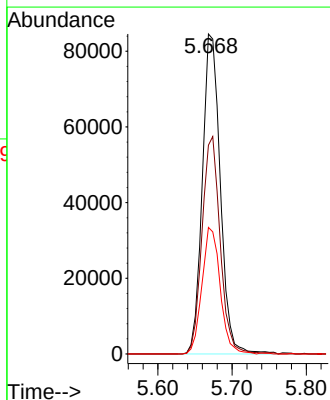
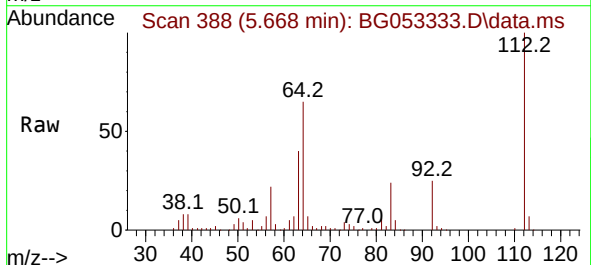
Instrument :
BNA_G
ClientSampleId :
TP-9

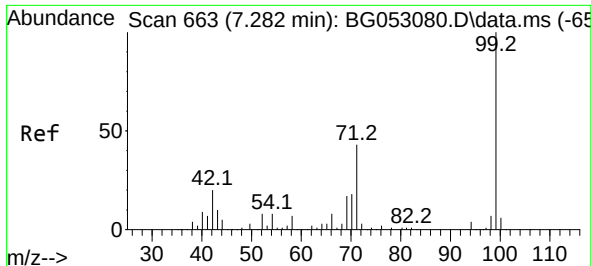
Tgt Ion:152 Resp: 18636
Ion Ratio Lower Upper
152 100
150 186.4 114.6 172.0#
115 61.9 45.9 68.9



#5
2-Fluorophenol
Concen: 131.025 ng
RT: 5.668 min Scan# 388
Delta R.T. -0.008 min
Lab File: BG053333.D
Acq: 26 Apr 2022 23:24

Tgt Ion:112 Resp: 142446
Ion Ratio Lower Upper
112 100
64 65.2 48.0 72.0
63 39.6 26.5 39.7

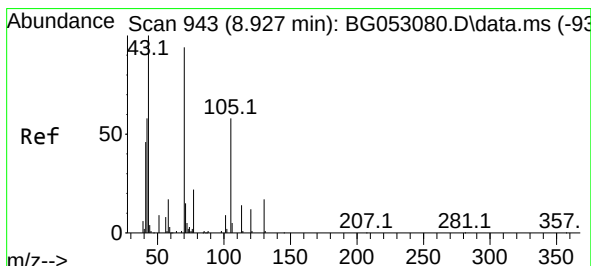
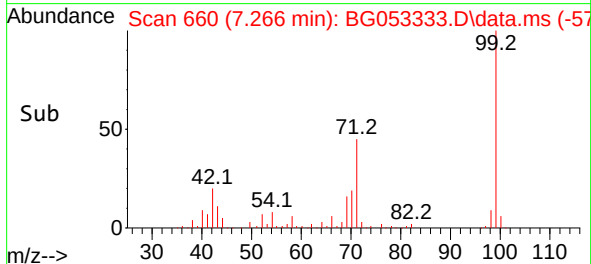
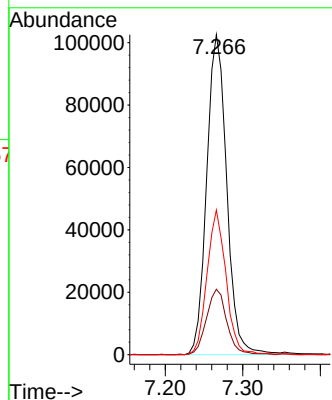
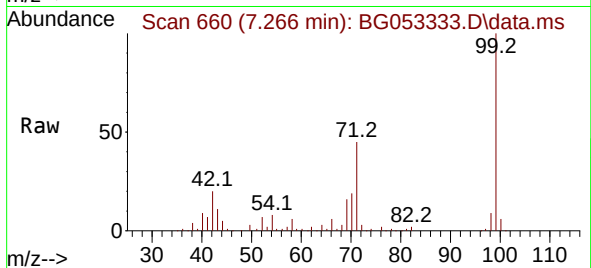




#7
Phenol-d6
Concen: 109.787 ng
RT: 7.266 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG053333.D
Acq: 26 Apr 2022 23:24

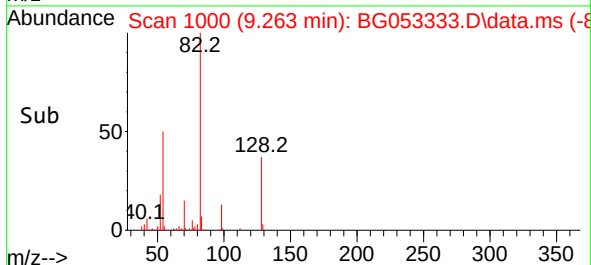
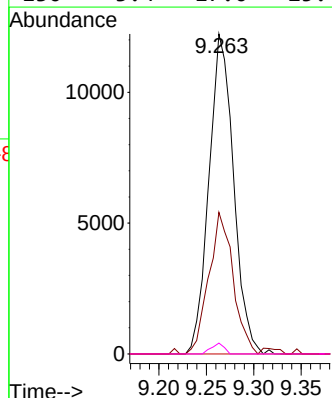
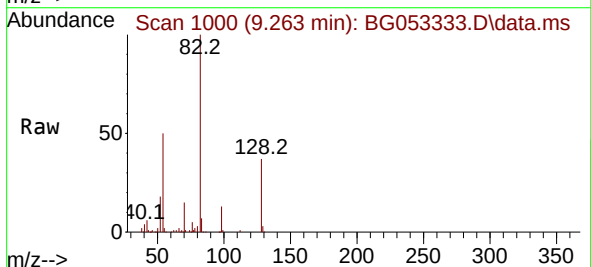
Instrument :
BNA_G
ClientSampleId :
TP-9

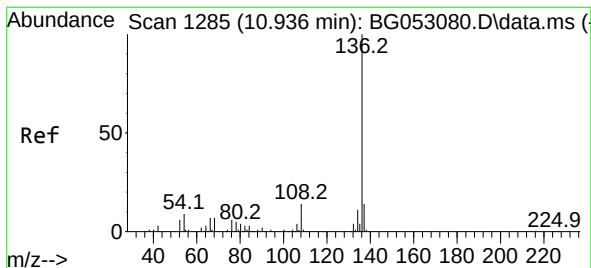
Tgt Ion: 99 Resp: 184061
Ion Ratio Lower Upper
99 100
42 20.5 14.7 22.1
71 45.2 29.2 43.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.002 ng
RT: 9.263 min Scan# 1000
Delta R.T. 0.351 min
Lab File: BG053333.D
Acq: 26 Apr 2022 23:24

Tgt Ion: 70 Resp: 22096
Ion Ratio Lower Upper
70 100
42 44.3 46.0 69.0#
101 0.0 6.2 9.4#
130 3.4 17.0 25.4#

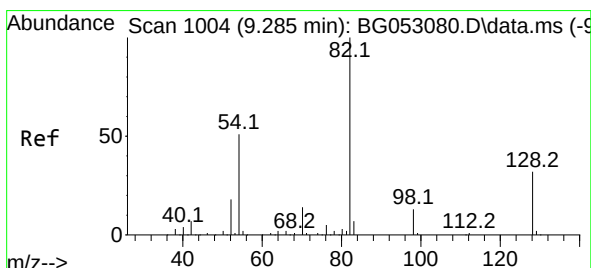
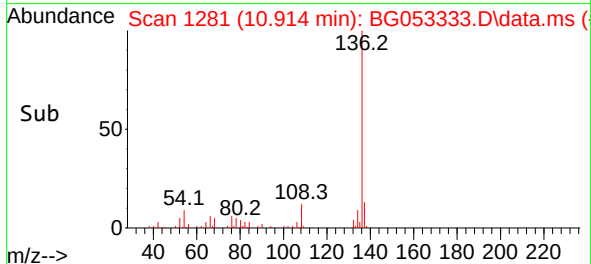
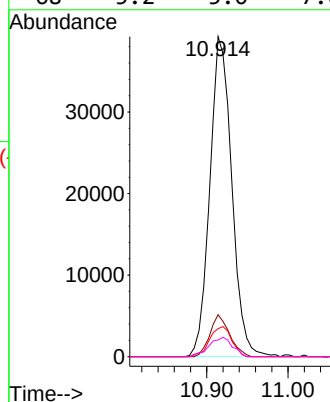
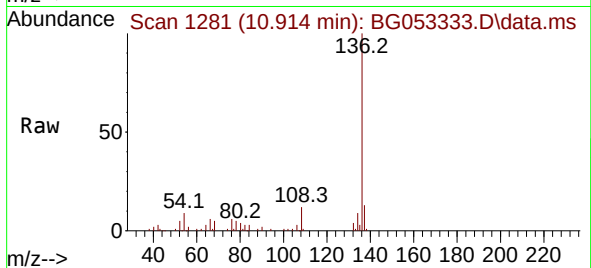




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.914 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG053333.D
Acq: 26 Apr 2022 23:24

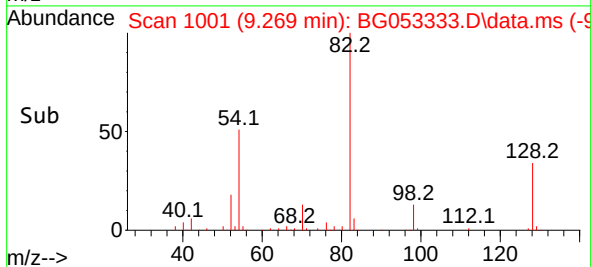
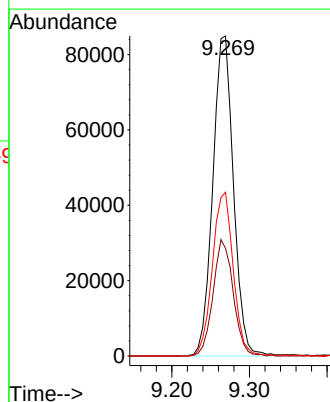
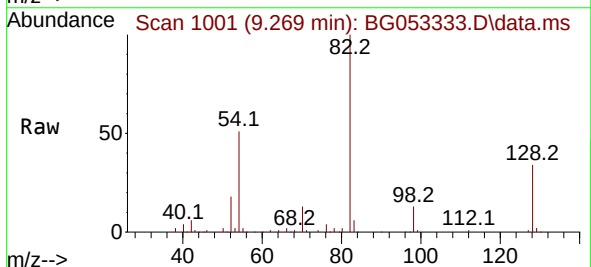
Instrument :
BNA_G
ClientSampleId :
TP-9

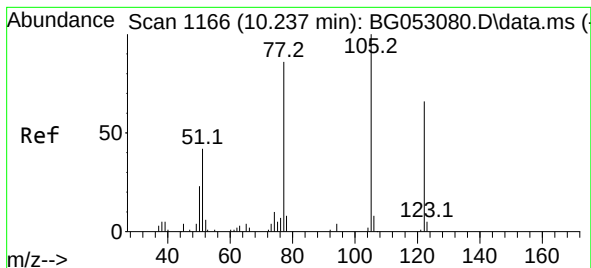
Tgt Ion:	136	Resp:	73575
Ion Ratio	Lower	Upper	
136	100		
137	13.1	9.4	14.2
54	8.8	6.4	9.6
68	5.2	5.0	7.6



#23
Nitrobenzene-d5
Concen: 86.921 ng
RT: 9.269 min Scan# 1001
Delta R.T. -0.008 min
Lab File: BG053333.D
Acq: 26 Apr 2022 23:24

Tgt Ion:	82	Resp:	157504
Ion Ratio	Lower	Upper	
82	100		
128	33.6	31.3	46.9
54	51.2	37.8	56.8





#32

Benzoic acid

Concen: 3.713 ng

RT: 10.679 min Scan# 1166

Delta R.T. 0.445 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

Instrument :

BNA_G

ClientSampleId :

TP-9

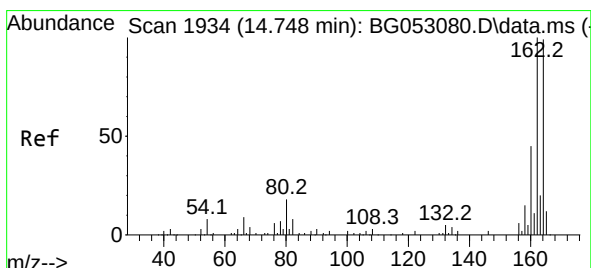
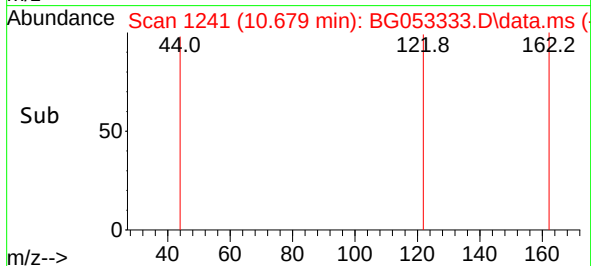
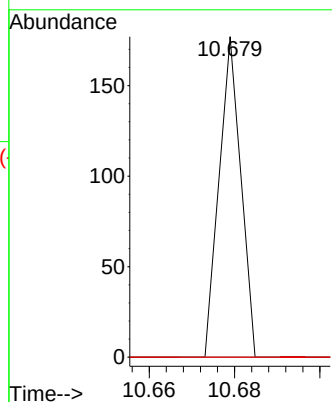
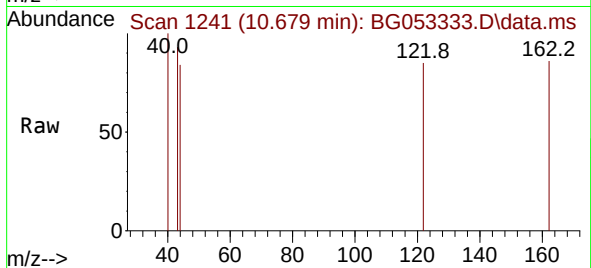
Tgt Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 112.8 152.8#

77 0.0 78.4 118.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.726 min Scan# 1930

Delta R.T. -0.008 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

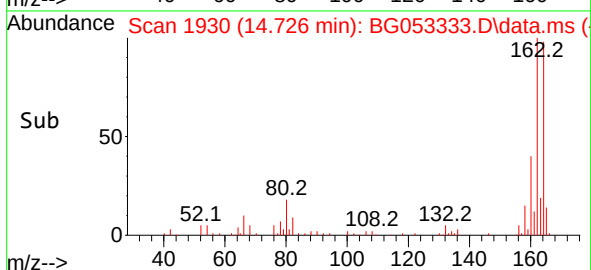
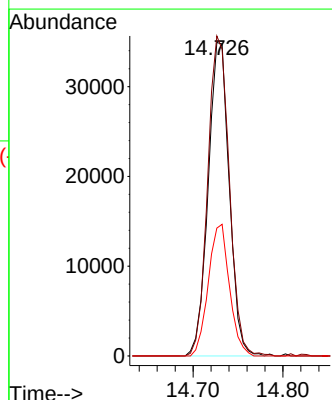
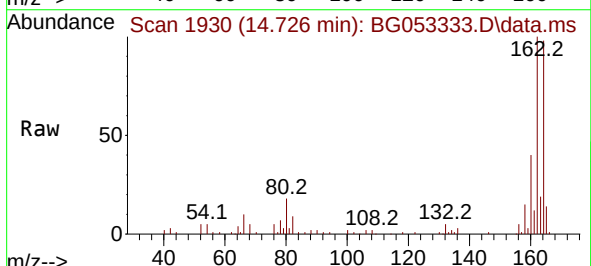
Tgt Ion:164 Resp: 57011

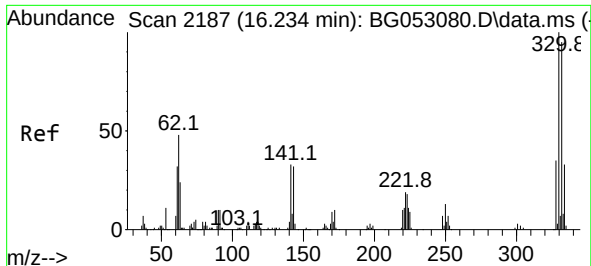
Ion Ratio Lower Upper

164 100

162 102.1 80.0 120.0

160 40.8 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 148.888 ng

RT: 16.218 min Scan# 2187

Delta R.T. -0.008 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

Instrument :

BNA_G

ClientSampleId :

TP-9

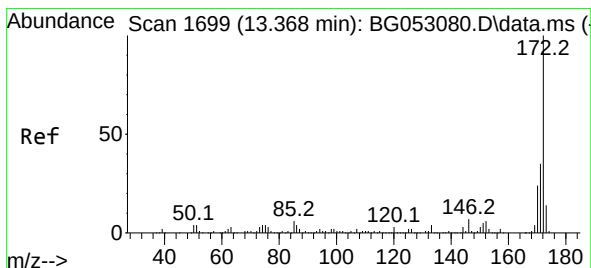
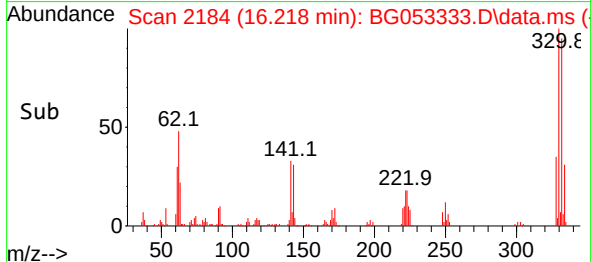
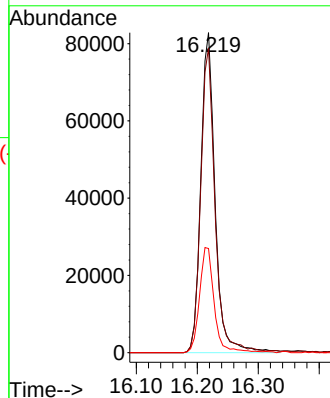
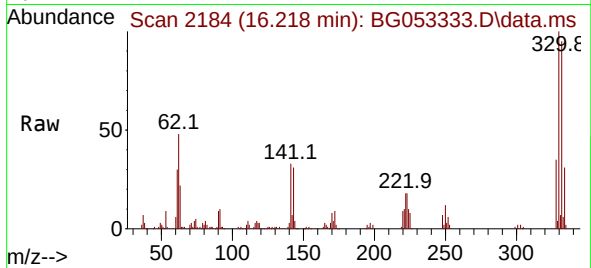
Tgt Ion:330 Resp: 135045

Ion Ratio Lower Upper

330 100

332 95.0 75.8 113.6

141 33.9 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 83.446 ng

RT: 13.352 min Scan# 1696

Delta R.T. -0.008 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

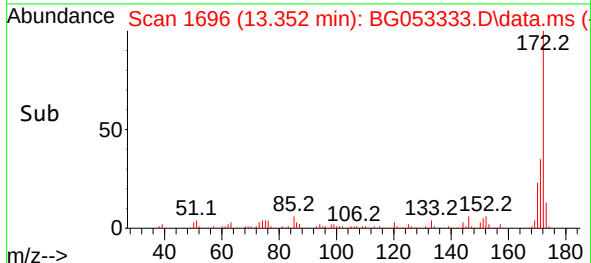
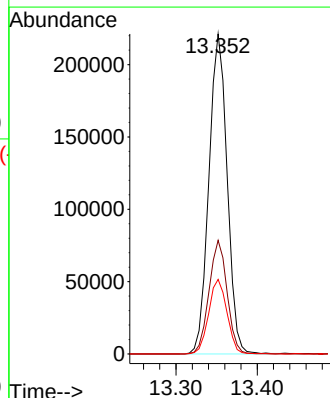
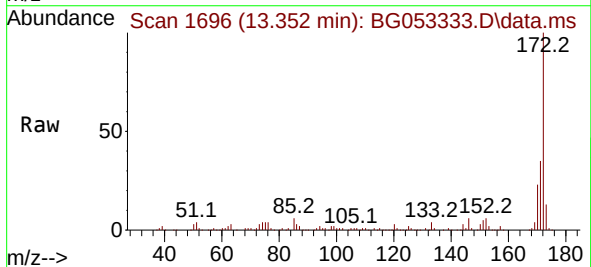
Tgt Ion:172 Resp: 345008

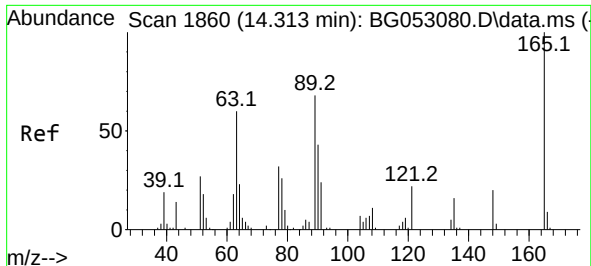
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.3 18.0 27.0





#51

2,6-Dinitrotoluene

Concen: 8.077 ng

RT: 14.726 min Scan# 1930

Delta R.T. 0.421 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

Instrument :

BNA_G

ClientSampleId :

TP-9

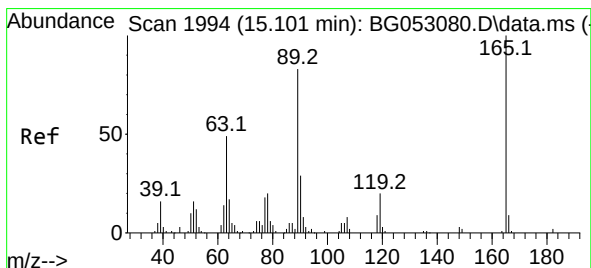
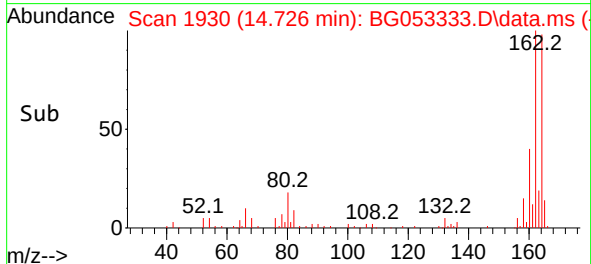
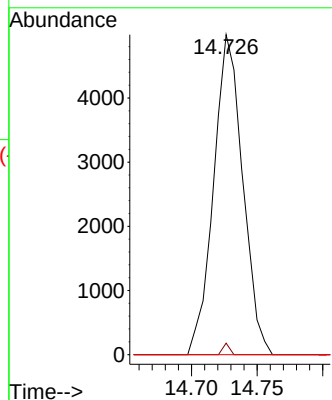
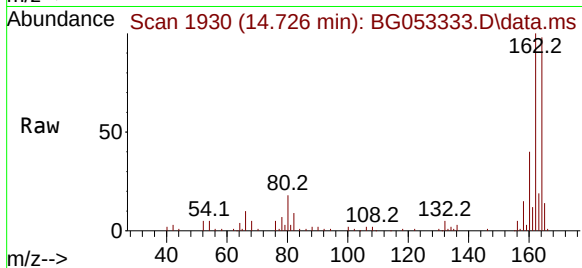
Tgt Ion:165 Resp: 7684

Ion Ratio Lower Upper

165 100

63 3.6 43.7 65.5#

89 0.0 45.0 67.4#



#57

2,4-Dinitrotoluene

Concen: 5.674 ng

RT: 14.726 min Scan# 1930

Delta R.T. -0.366 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

Tgt Ion:165 Resp: 7684

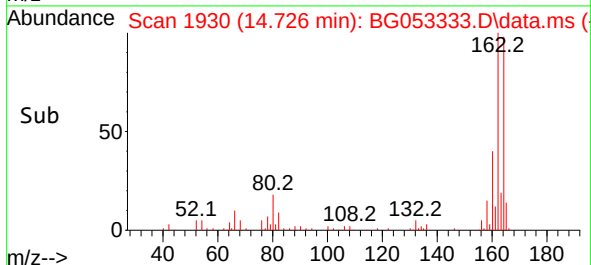
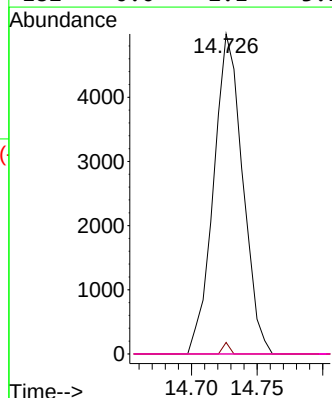
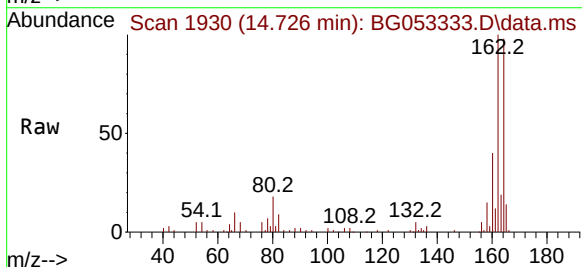
Ion Ratio Lower Upper

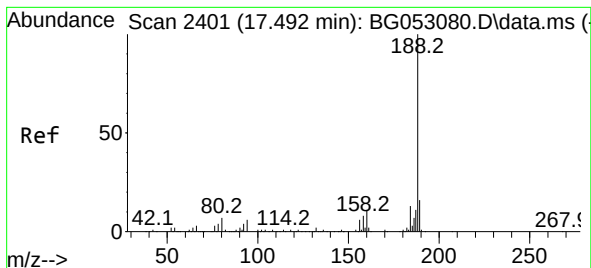
165 100

63 3.6 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: 17.470 min Scan# 21

Delta R.T. -0.013 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

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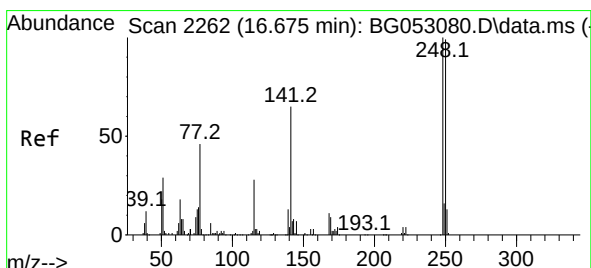
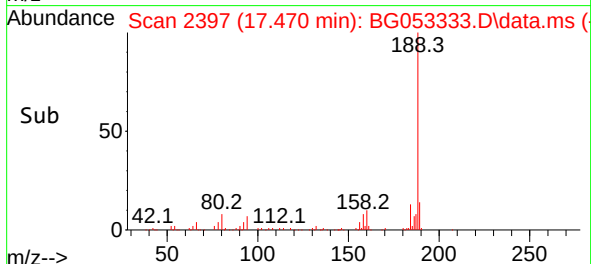
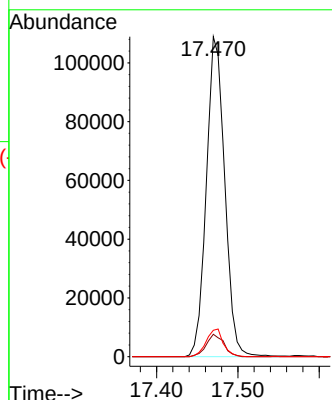
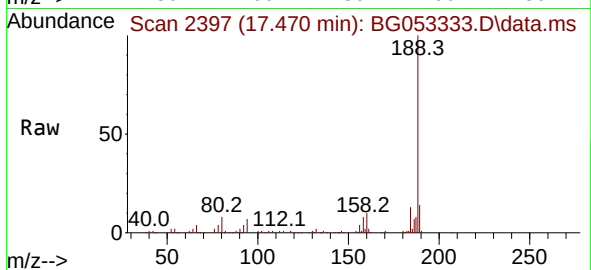
Tgt Ion:188 Resp: 170789

Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 8.2 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.935 ng

RT: 16.213 min Scan# 2183

Delta R.T. -0.448 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

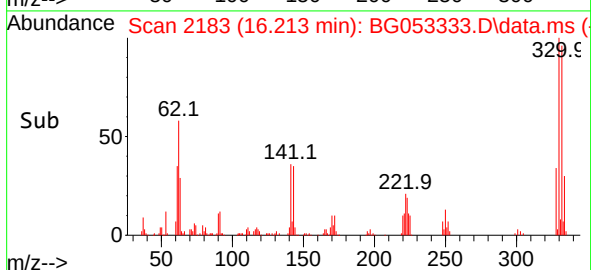
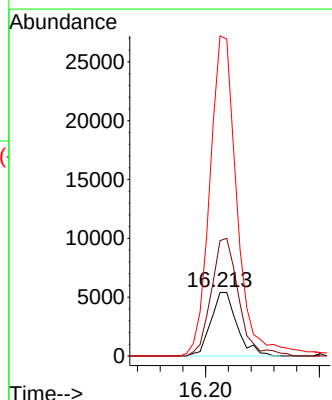
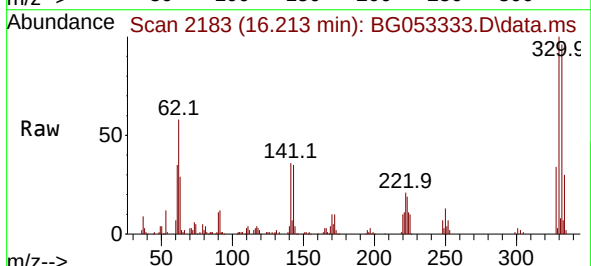
Tgt Ion:248 Resp: 8611

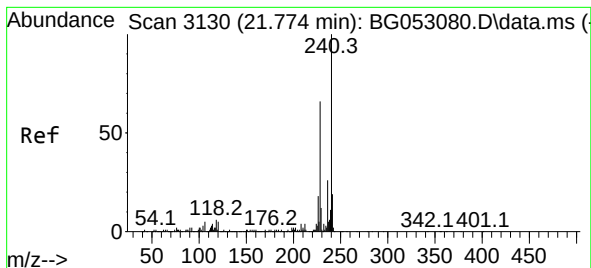
Ion Ratio Lower Upper

248 100

250 181.4 77.9 116.9#

141 503.3 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: BG053333.D

Acq: 26 Apr 2022 23:24

Instrument :

BNA_G

ClientSampleId :

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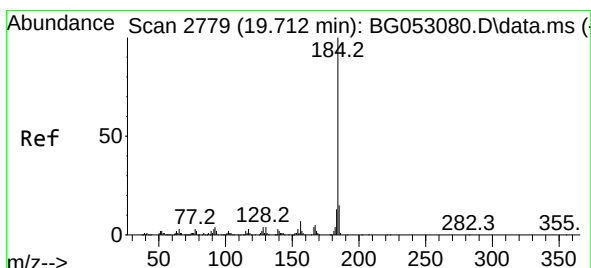
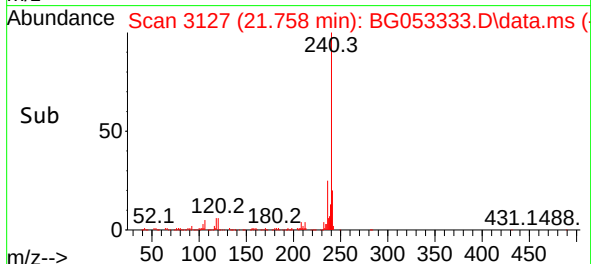
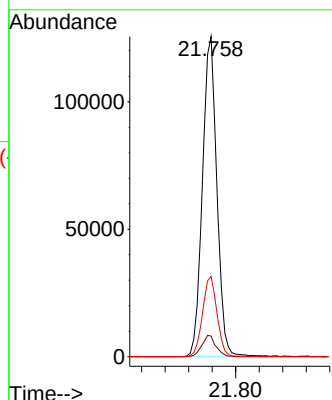
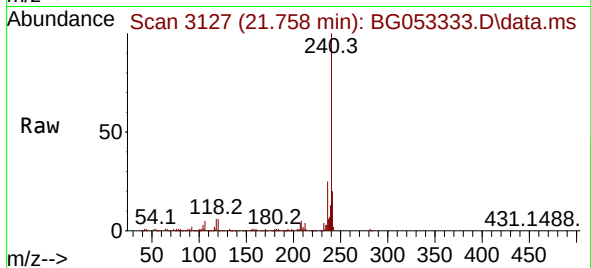
Tgt Ion:240 Resp: 213636

Ion Ratio Lower Upper

240 100

120 6.5 5.4 8.0

236 25.1 19.8 29.6



#77

Benzidine

Concen: 2.910 ng

RT: 20.078 min Scan# 2841

Delta R.T. 0.374 min

Lab File: BG053333.D

Acq: 26 Apr 2022 23:24

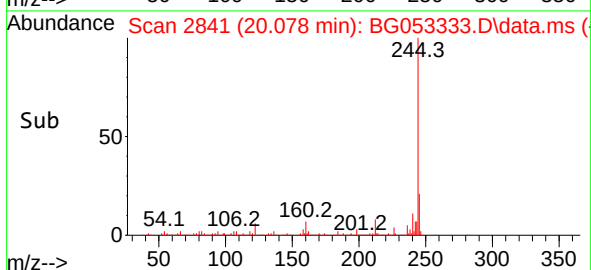
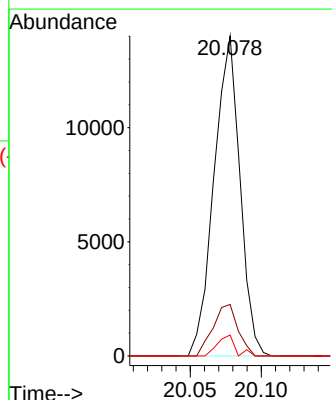
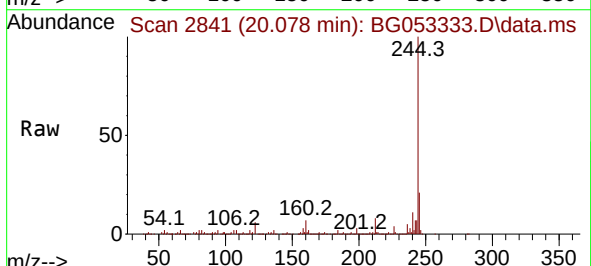
Tgt Ion:184 Resp: 17740

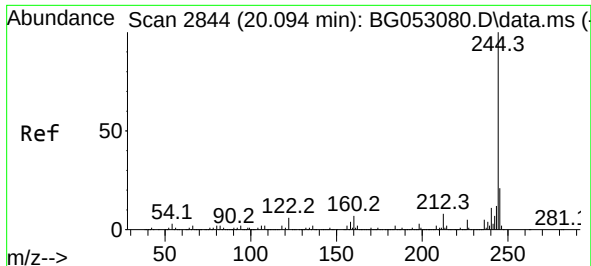
Ion Ratio Lower Upper

184 100

185 16.1 11.5 17.3

183 6.5 9.4 14.2#

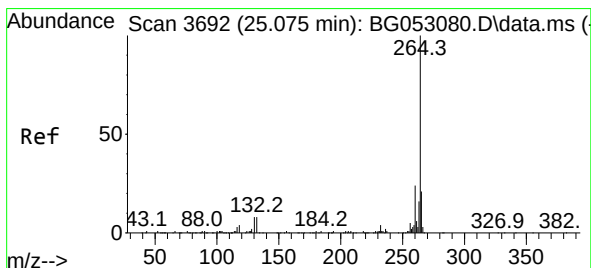
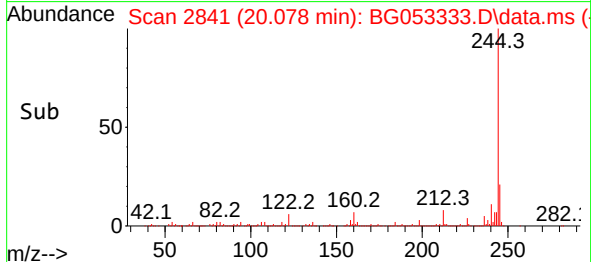
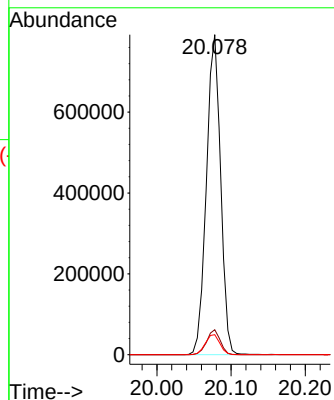
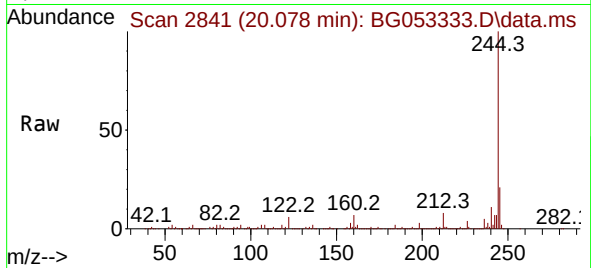




#79
 Terphenyl-d14
 Concen: 83.156 ng
 RT: 20.078 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG053333.D
 Acq: 26 Apr 2022 23:24

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tgt Ion:244 Resp: 1051871
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 6.2 5.8 8.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.048 min Scan# 3687
 Delta R.T. -0.013 min
 Lab File: BG053333.D
 Acq: 26 Apr 2022 23:24

Tgt Ion:264 Resp: 214341
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 21.8 15.1 22.7

