

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051622\
 Data File : BG053566.D
 Acq On : 16 May 2022 14:19
 Operator : CG/JU
 Sample : N2809-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14A-TP-5R

Quant Time: May 17 05:20:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 11 06:00:46 2022
 Response via : Initial Calibration

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

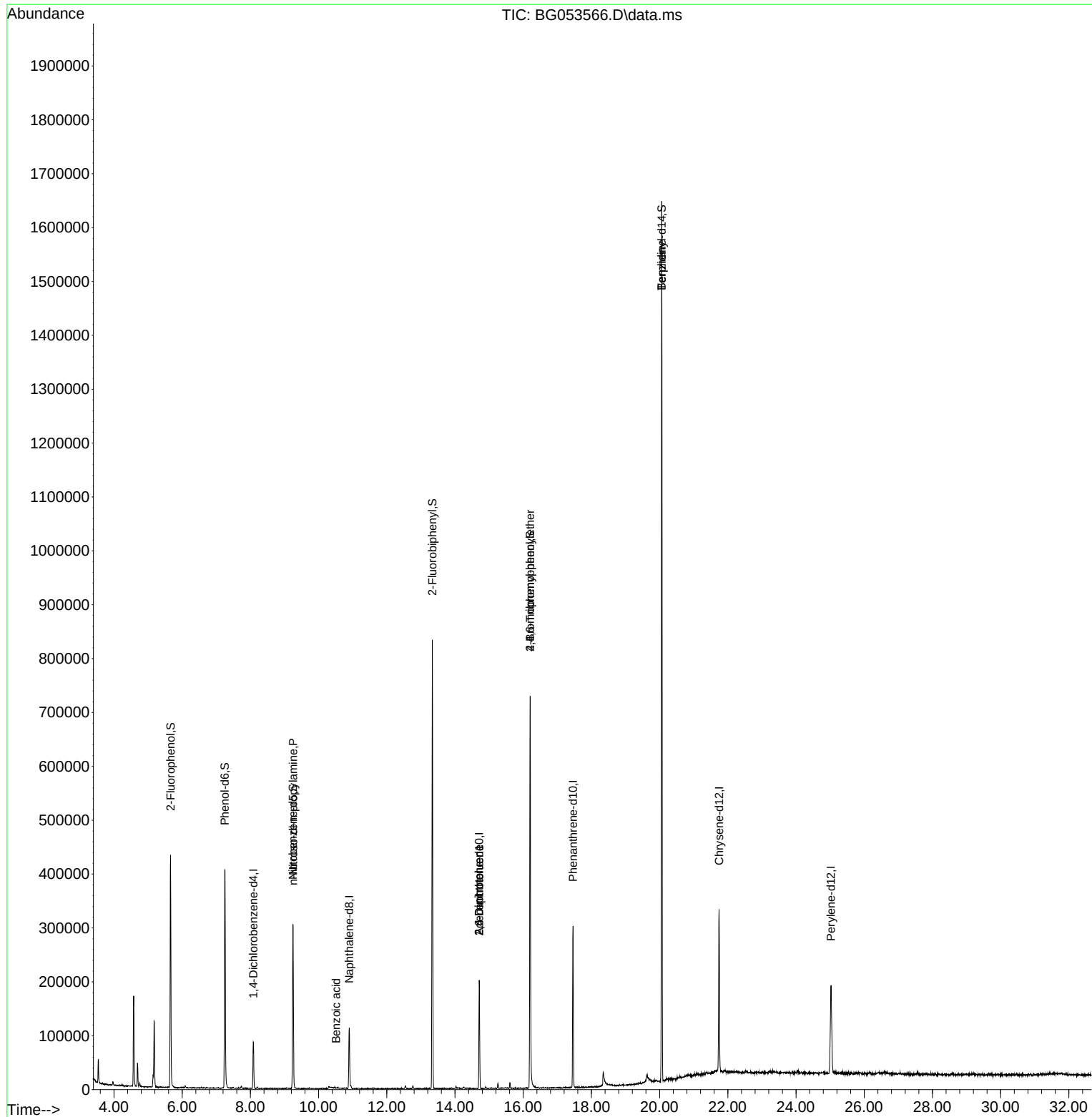
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.090	152	24686	20.000	ng	0.00
21) Naphthalene-d8	10.898	136	94142	20.000	ng	0.00
39) Acenaphthene-d10	14.711	164	72464	20.000	ng	0.00
64) Phenanthrene-d10	17.460	188	190161	20.000	ng	0.00
76) Chrysene-d12	21.742	240	191093	20.000	ng	0.00
86) Perylene-d12	25.026	264	178474	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.658	112	170416	117.159	ng	0.00
7) Phenol-d6	7.250	99	235875	106.850	ng	0.00
23) Nitrobenzene-d5	9.247	82	196864	89.016	ng	0.00
42) 2,4,6-Tribromophenol	16.203	330	156165	146.118	ng	0.00
45) 2-Fluorobiphenyl	13.336	172	430417	86.796	ng	0.00
79) Terphenyl-d14	20.062	244	803522	78.314	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.253	70	28365	17.909	ng	# 74
32) Benzoic acid	10.516	122	217	8.705	ng	# 84
51) 2,6-Dinitrotoluene	14.711	165	8962	7.988	ng	# 17
57) 2,4-Dinitrotoluene	14.711	165	8962	5.511	ng	# 23
67) 4-Bromophenyl-phenylether	16.203	248	10095	4.546	ng	# 1
77) Benzidine	20.062	184	13309	3.231	ng	# 96

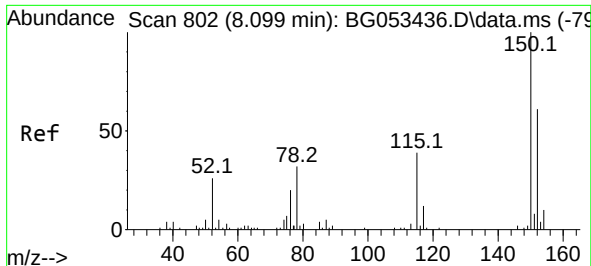
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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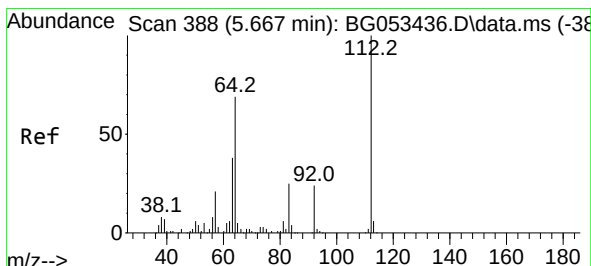
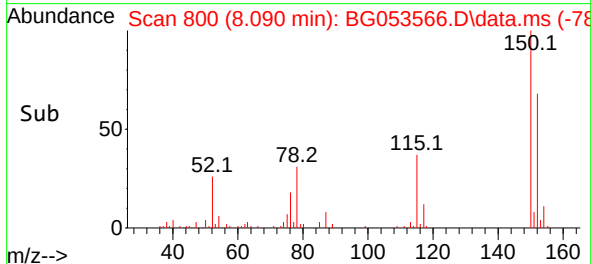
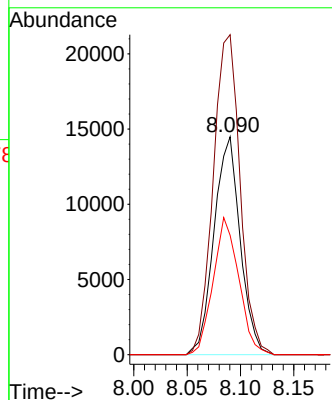
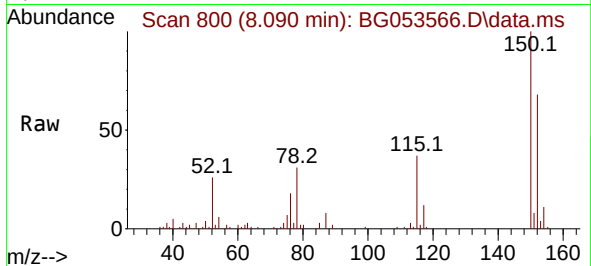




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.090 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: BG053566.D
 Acq: 16 May 2022 14:19

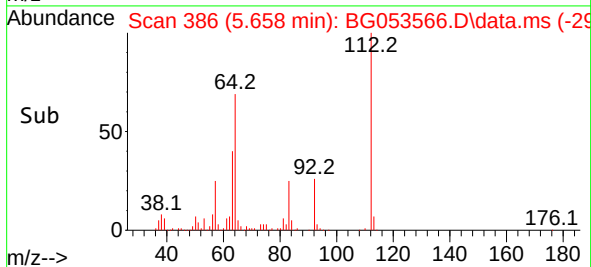
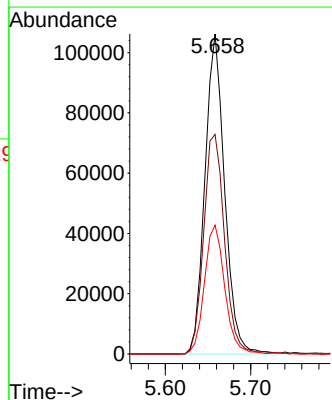
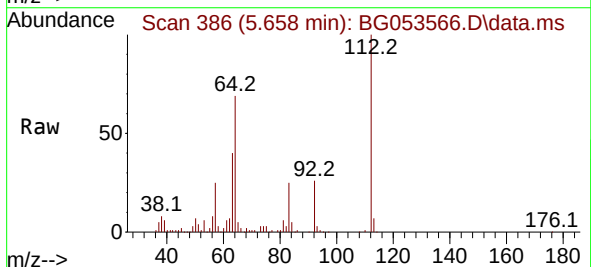
Instrument :
 BNA_G
 ClientSampleId :
 WC-14A-TP-5R

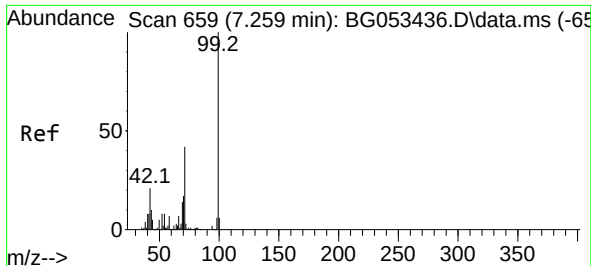
Tgt Ion:152 Resp: 24686
 Ion Ratio Lower Upper
 152 100
 150 146.8 131.6 197.4
 115 54.8 50.9 76.3



#5
 2-Fluorophenol
 Concen: 117.159 ng
 RT: 5.658 min Scan# 386
 Delta R.T. 0.007 min
 Lab File: BG053566.D
 Acq: 16 May 2022 14:19

Tgt Ion:112 Resp: 170416
 Ion Ratio Lower Upper
 112 100
 64 68.6 55.1 82.7
 63 40.2 30.4 45.6

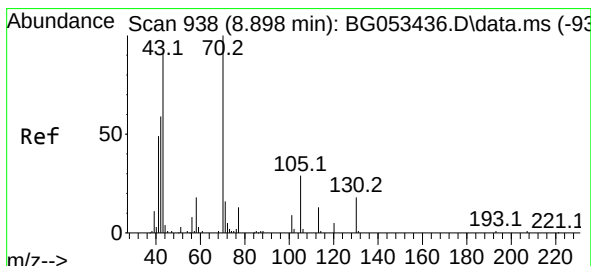
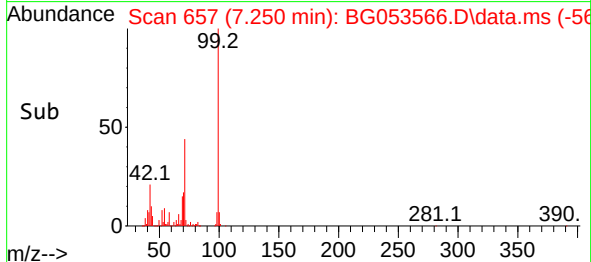
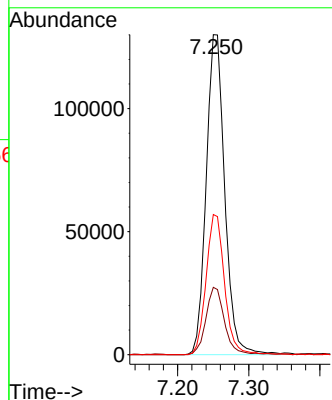
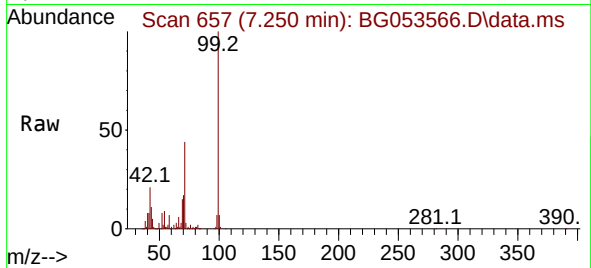




#7
Phenol-d6
Concen: 106.850 ng
RT: 7.250 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG053566.D
Acq: 16 May 2022 14:19

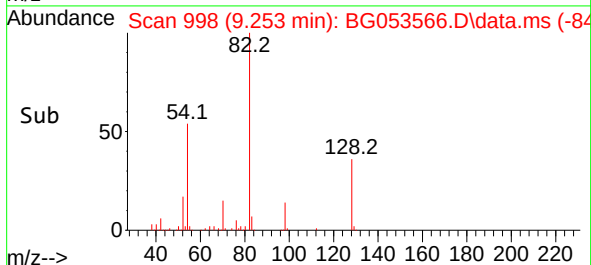
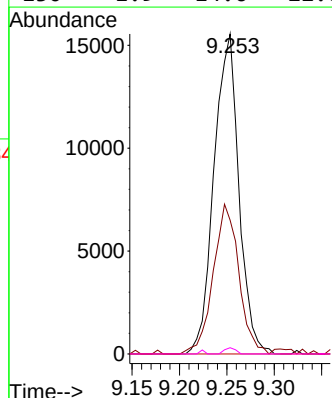
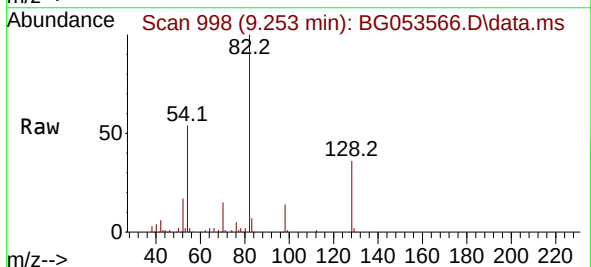
Instrument :
BNA_G
ClientSampleId :
WC-14A-TP-5R

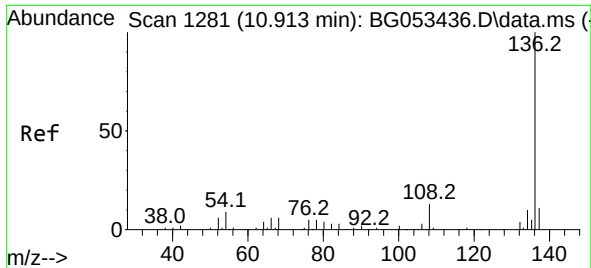
Tgt Ion: 99 Resp: 235875
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 43.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.909 ng
RT: 9.253 min Scan# 998
Delta R.T. 0.365 min
Lab File: BG053566.D
Acq: 16 May 2022 14:19

Tgt Ion: 70 Resp: 28365
Ion Ratio Lower Upper
70 100
42 41.8 47.3 70.9#
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#

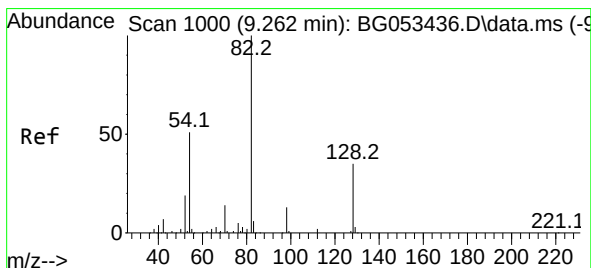
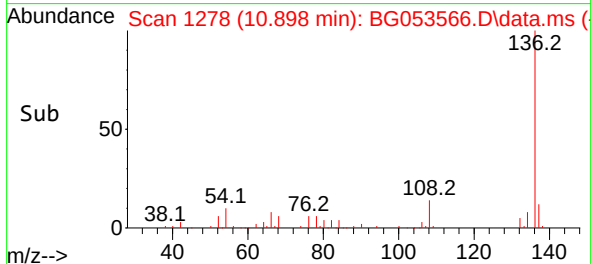
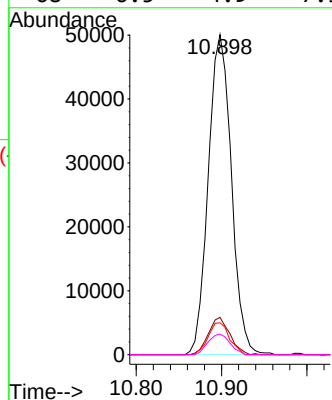
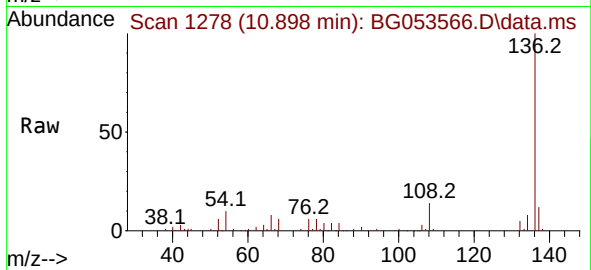




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.898 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG053566.D
Acq: 16 May 2022 14:19

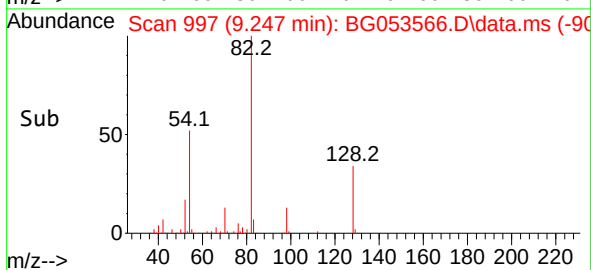
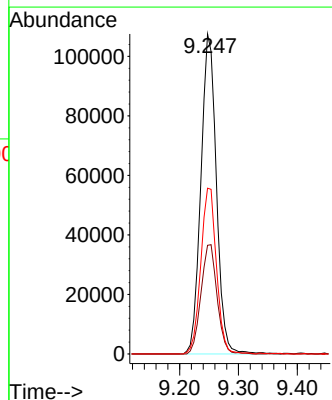
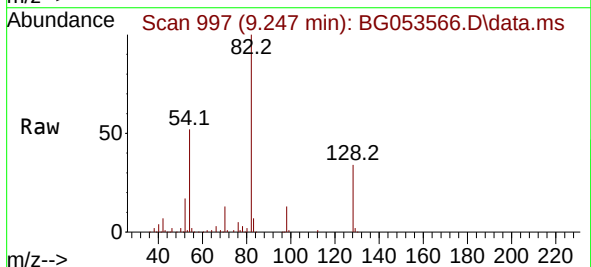
Instrument :
BNA_G
ClientSampleId :
WC-14A-TP-5R

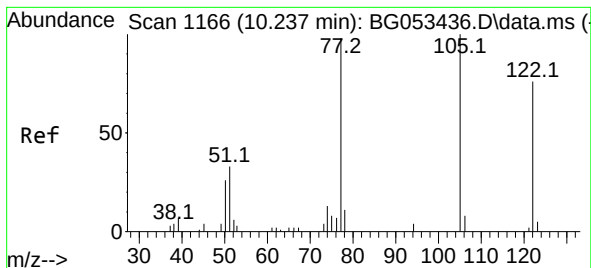
Tgt Ion:	136	Resp:	94142
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.5	12.7
54	10.0	7.4	11.2
68	6.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 89.016 ng
RT: 9.247 min Scan# 997
Delta R.T. -0.005 min
Lab File: BG053566.D
Acq: 16 May 2022 14:19

Tgt Ion:	82	Resp:	196864
Ion Ratio	Lower	Upper	
82	100		
128	34.0	27.9	41.9
54	51.8	41.2	61.8





#32

Benzoic acid

Concen: 8.705 ng

RT: 10.516 min Scan# 1166

Delta R.T. 0.277 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

Instrument :

BNA_G

ClientSampleId :

WC-14A-TP-5R

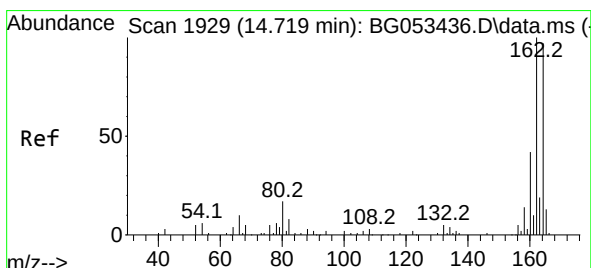
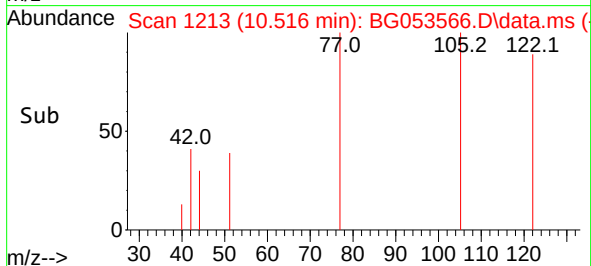
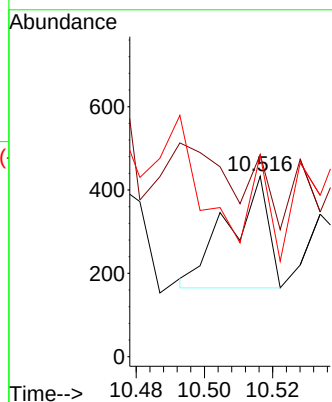
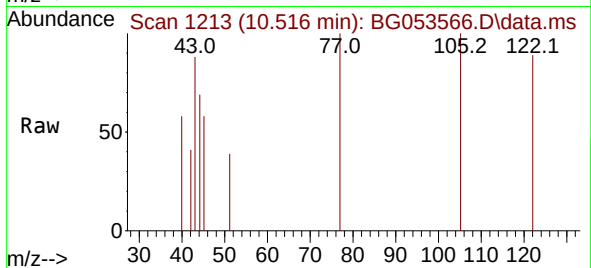
Tgt Ion:122 Resp: 217

Ion Ratio Lower Upper

122 100

105 112.0 111.8 151.8

77 111.8 109.4 149.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.711 min Scan# 1927

Delta R.T. -0.005 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

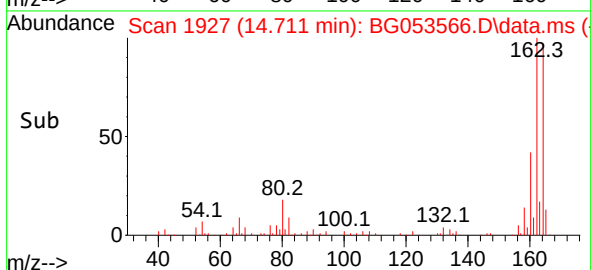
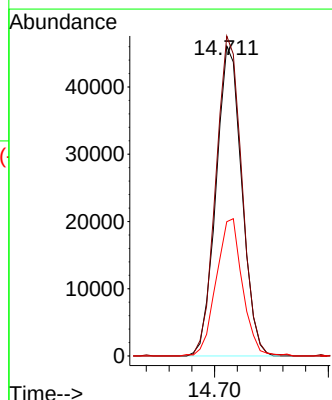
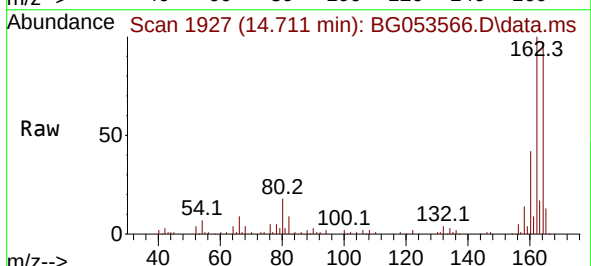
Tgt Ion:164 Resp: 72464

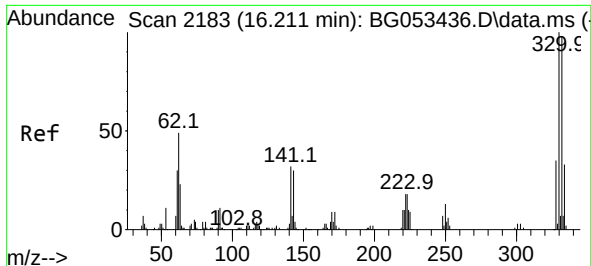
Ion Ratio Lower Upper

164 100

162 103.2 82.3 123.5

160 43.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 146.118 ng

RT: 16.203 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

Instrument :

BNA_G

ClientSampleId :

WC-14A-TP-5R

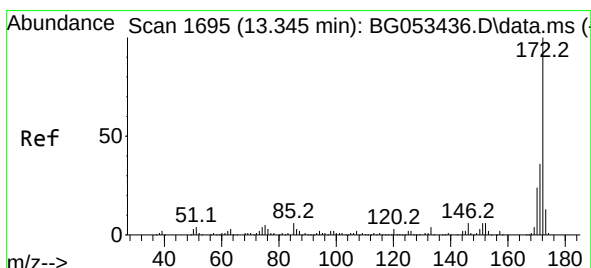
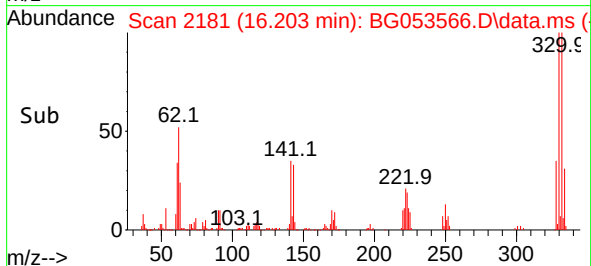
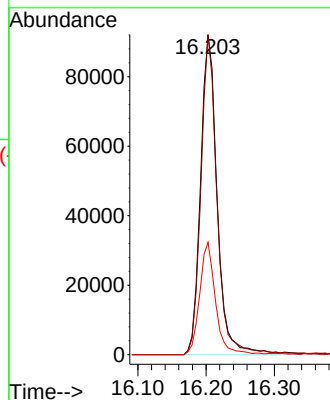
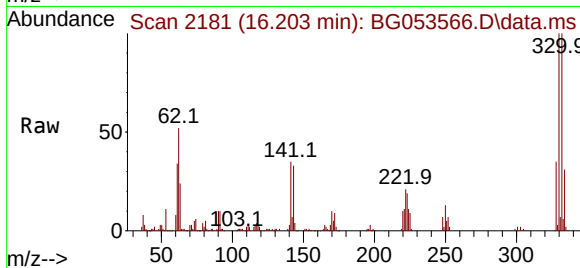
Tgt Ion:330 Resp: 156165

Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

141 33.6 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 86.796 ng

RT: 13.336 min Scan# 1693

Delta R.T. 0.001 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

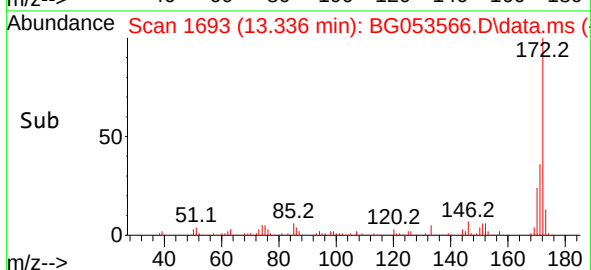
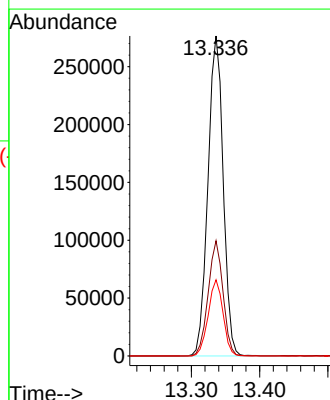
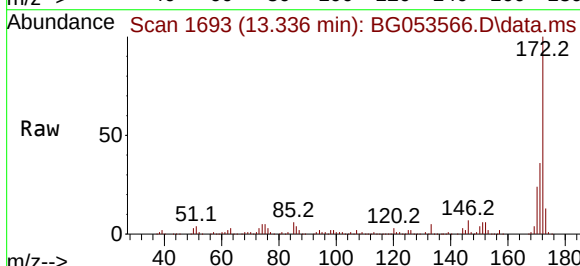
Tgt Ion:172 Resp: 430417

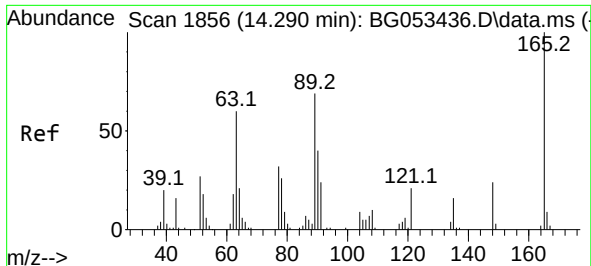
Ion Ratio Lower Upper

172 100

171 36.0 28.5 42.7

170 23.8 18.9 28.3

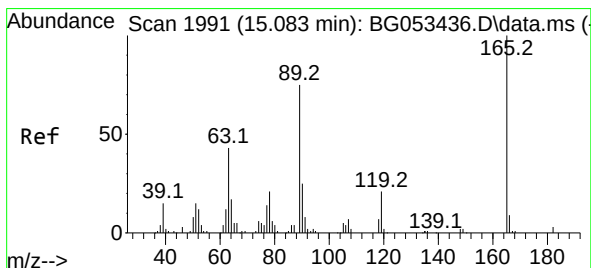
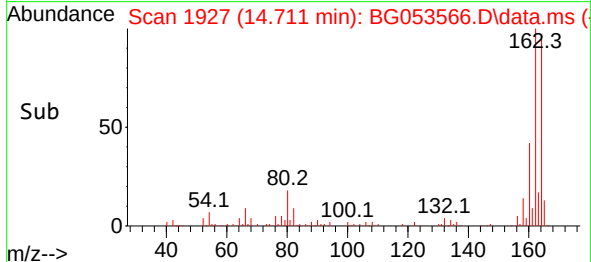
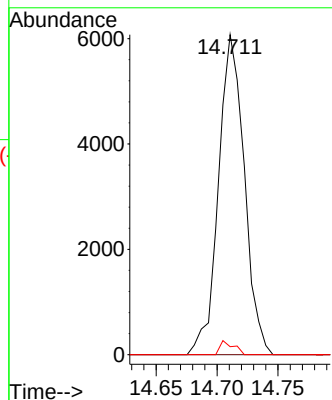
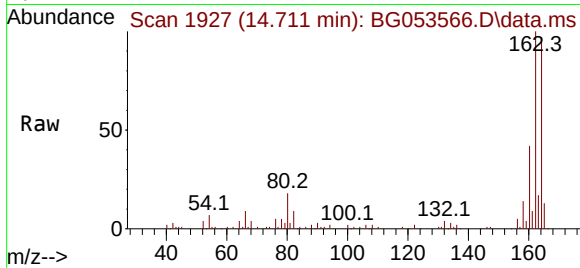




#51
2,6-Dinitrotoluene
Concen: 7.988 ng
RT: 14.711 min Scan# 1927
Delta R.T. 0.430 min
Lab File: BG053566.D
Acq: 16 May 2022 14:19

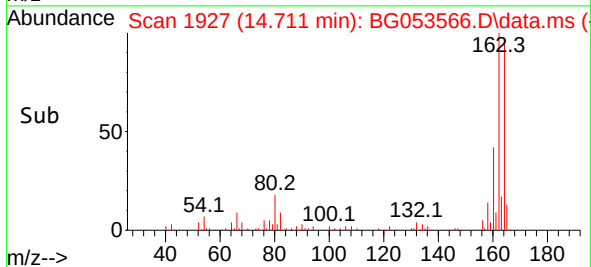
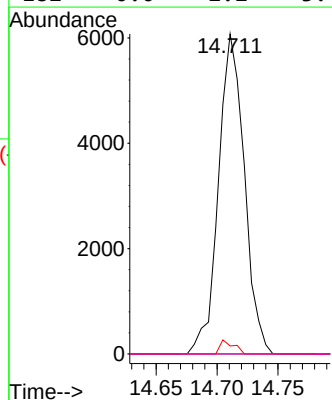
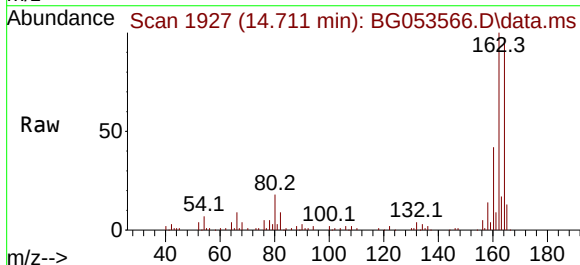
Instrument :
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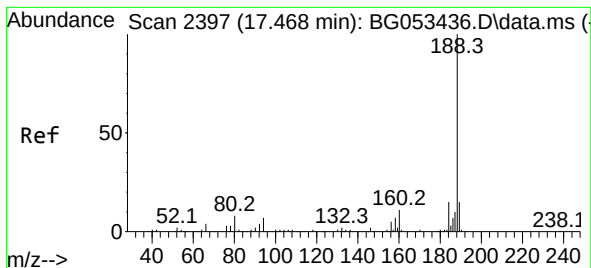
Tgt Ion:165 Resp: 8962
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.5 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.511 ng
RT: 14.711 min Scan# 1927
Delta R.T. -0.363 min
Lab File: BG053566.D
Acq: 16 May 2022 14:19

Tgt Ion:165 Resp: 8962
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.5 60.3 90.5#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.460 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

Instrument :

BNA_G

ClientSampleId :

WC-14A-TP-5R

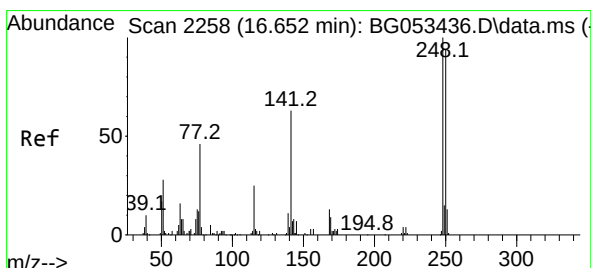
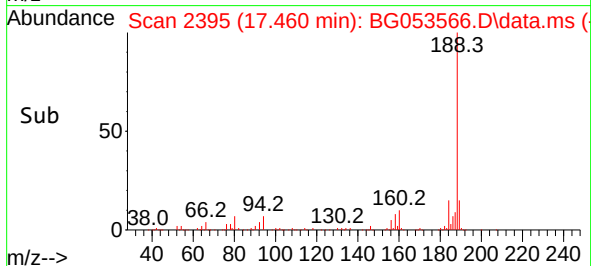
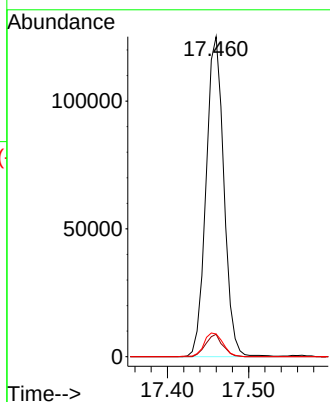
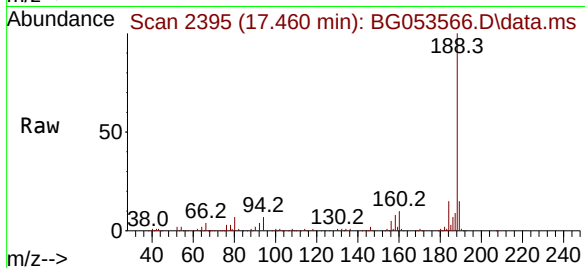
Tgt Ion:188 Resp: 190161

Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.0

80 7.1 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 4.546 ng

RT: 16.203 min Scan# 2181

Delta R.T. -0.440 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

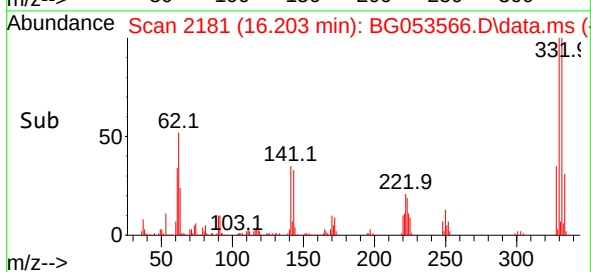
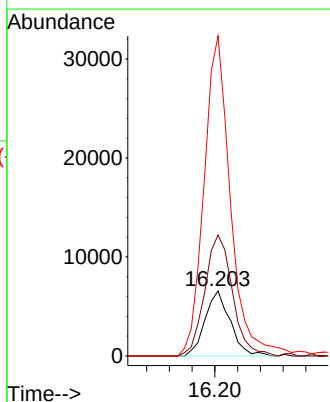
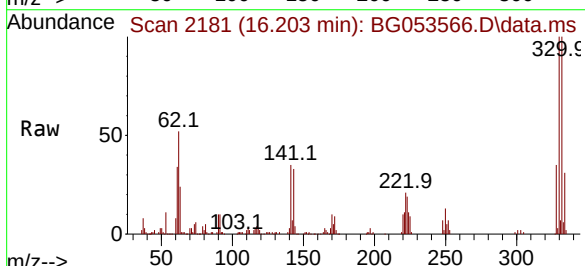
Tgt Ion:248 Resp: 10095

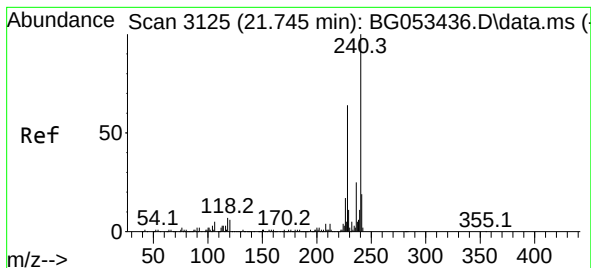
Ion Ratio Lower Upper

248 100

250 185.7 75.2 112.8#

141 490.9 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.742 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

Instrument :

BNA_G

ClientSampleId :

WC-14A-TP-5R

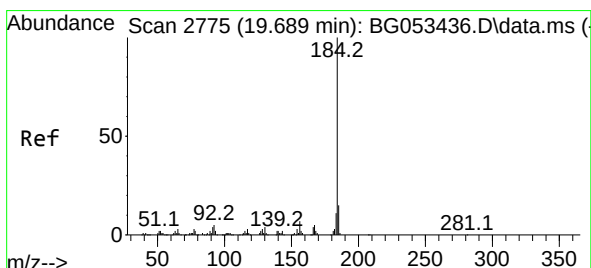
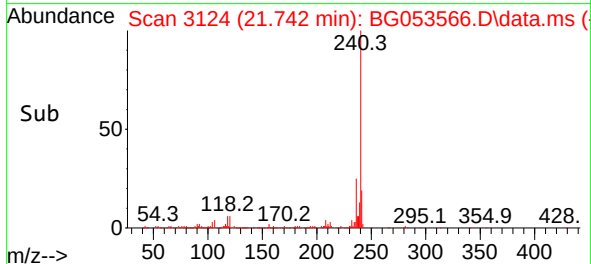
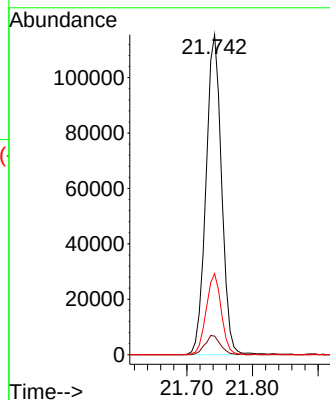
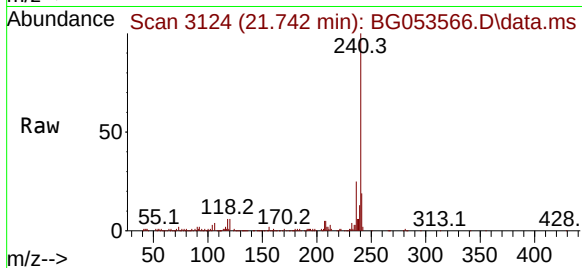
Tgt Ion:240 Resp: 191093

Ion Ratio Lower Upper

240 100

120 5.8 4.6 7.0

236 25.3 20.2 30.4



#77

Benzidine

Concen: 3.231 ng

RT: 20.062 min Scan# 2838

Delta R.T. 0.383 min

Lab File: BG053566.D

Acq: 16 May 2022 14:19

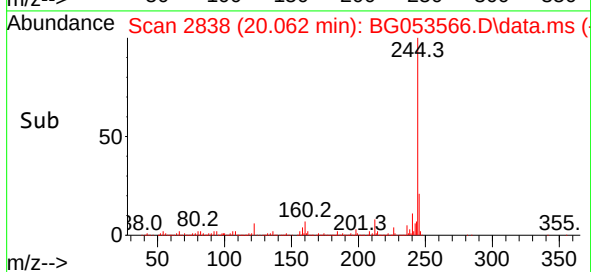
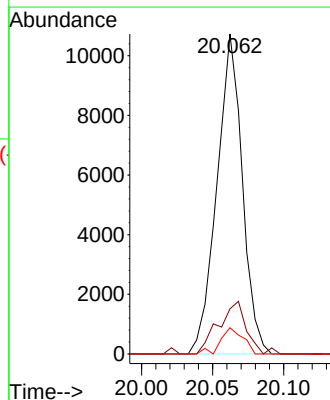
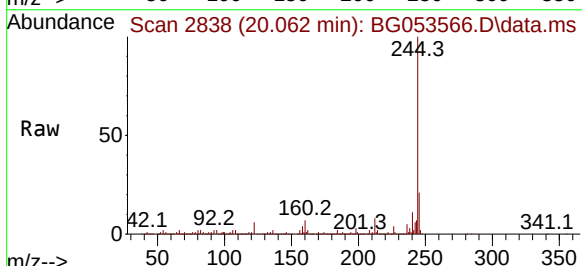
Tgt Ion:184 Resp: 13309

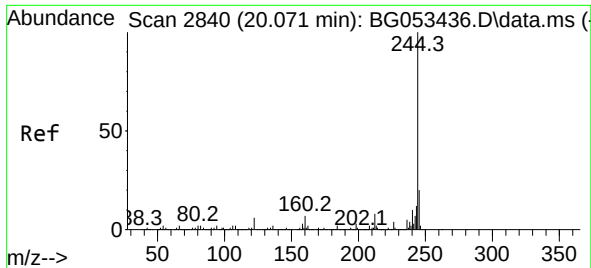
Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.6

183 8.2 8.9 13.3#

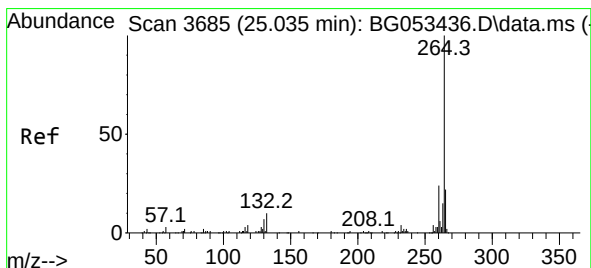
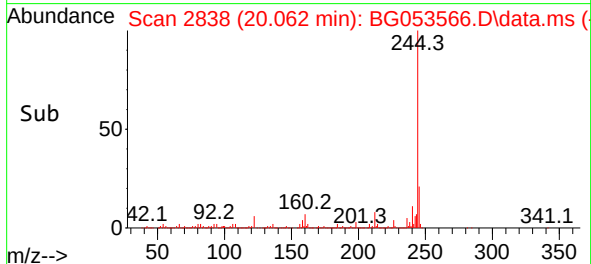
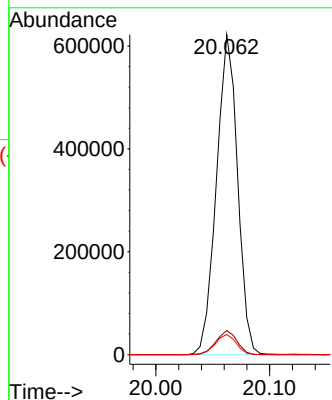
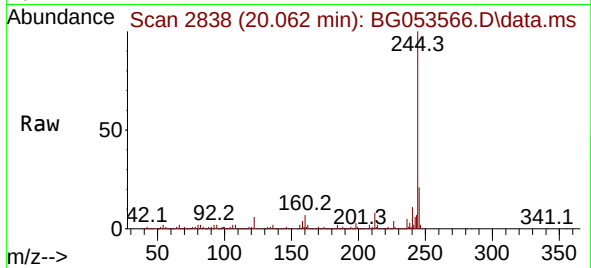




#79
 Terphenyl-d14
 Concen: 78.314 ng
 RT: 20.062 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053566.D
 Acq: 16 May 2022 14:19

Instrument :
 BNA_G
 ClientSampleId :
 WC-14A-TP-5R

Tgt Ion:244 Resp: 803522
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 6.3 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.026 min Scan# 3683
 Delta R.T. 0.007 min
 Lab File: BG053566.D
 Acq: 16 May 2022 14:19

Tgt Ion:264 Resp: 178474
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 20.4 17.4 26.2

