

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051722\
 Data File : BG053595.D
 Acq On : 17 May 2022 22:21
 Operator : CG/JU
 Sample : N2823-08DL2 50X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SC-8DL2

Quant Time: May 18 03:15:04 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)

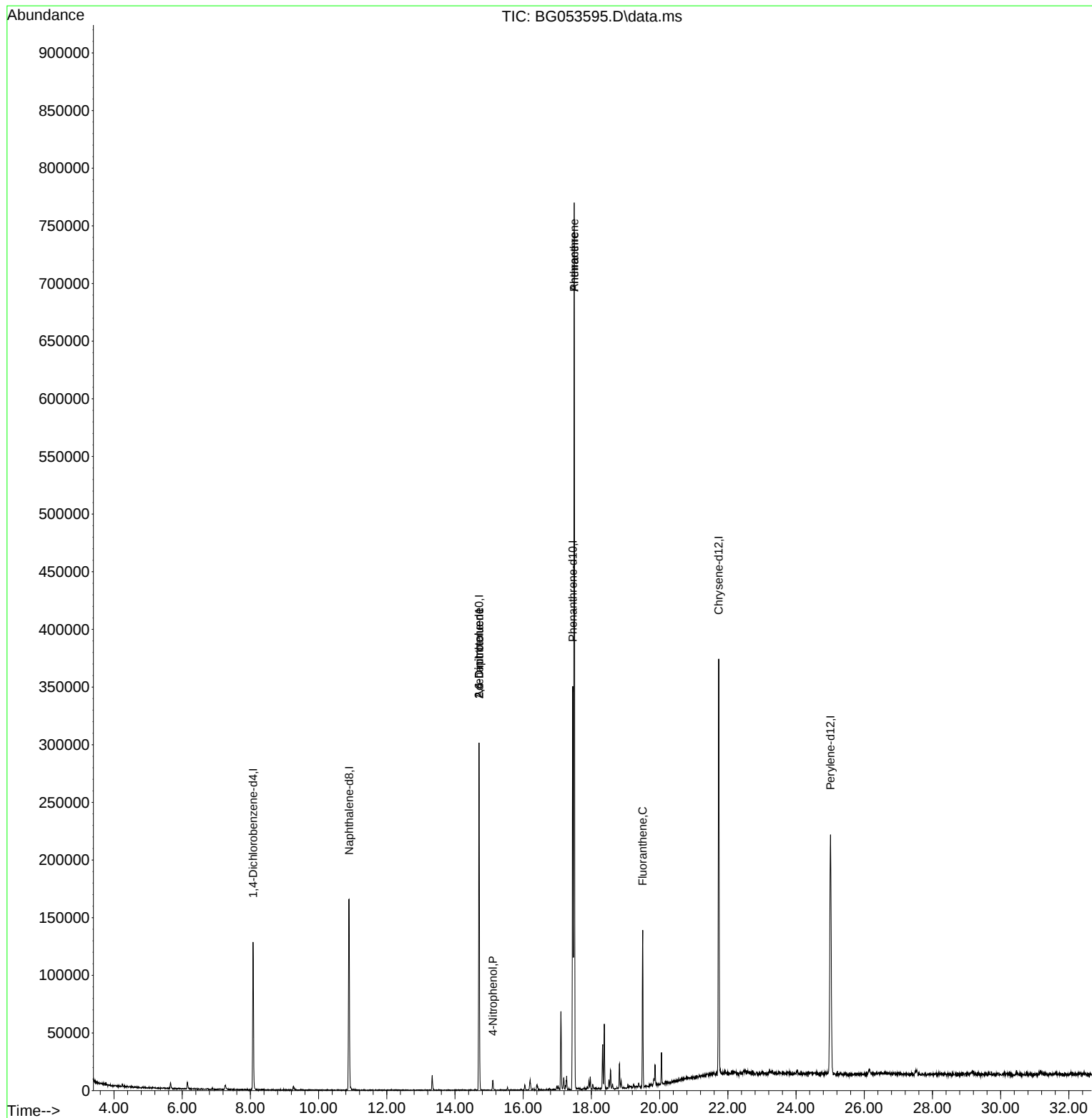
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.079	152	36343	20.000	ng	-0.01
21) Naphthalene-d8	10.893	136	144807	20.000	ng	0.00
39) Acenaphthene-d10	14.705	164	104630	20.000	ng	-0.01
64) Phenanthrene-d10	17.454	188	229719	20.000	ng	0.00
76) Chrysene-d12	21.731	240	230145	20.000	ng	-0.01
86) Perylene-d12	25.009	264	235290	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.658	112	2563	1.197	ng	0.00
7) Phenol-d6	7.262	99	4120	1.268	ng	0.01
23) Nitrobenzene-d5	9.254	82	3273	0.962	ng	0.00
42) 2,4,6-Tribromophenol	16.209	330	1306	0.846	ng	0.00
45) 2-Fluorobiphenyl	13.336	172	9004	1.258	ng	0.00
79) Terphenyl-d14	20.051	244	15396	1.246	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.705	165	13232	8.169	ng	# 16
56) 4-Nitrophenol	15.110	139	2692	2.153	ng	# 1
57) 2,4-Dinitrotoluene	14.705	165	13232	5.635	ng	# 21
71) Phenanthrene	17.495	178	503078	43.069	ng	97
72) Anthracene	17.495	178	503078	43.818	ng	100
75) Fluoranthene	19.504	202	88790	5.871	ng	99

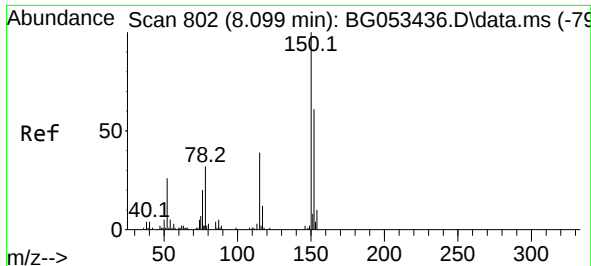
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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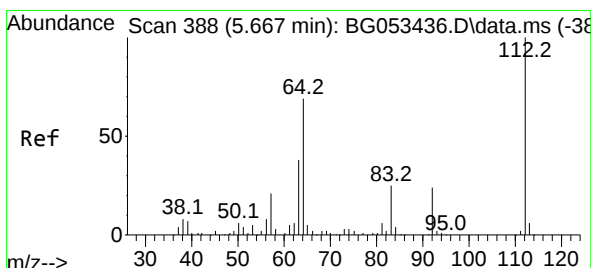
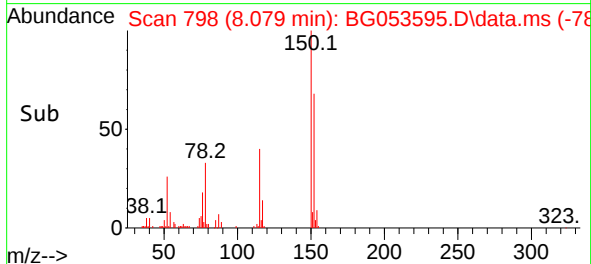
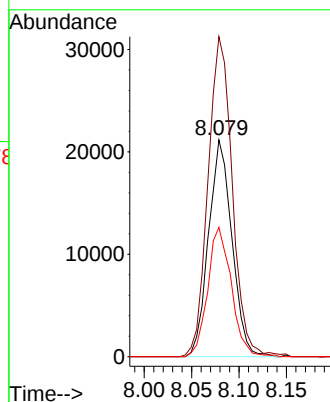
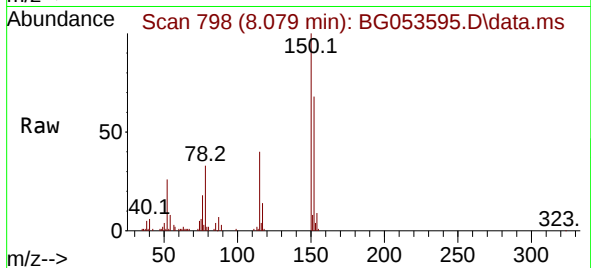




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.079 min Scan# 79
Delta R.T. -0.010 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

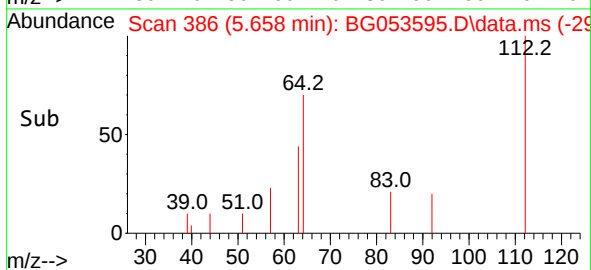
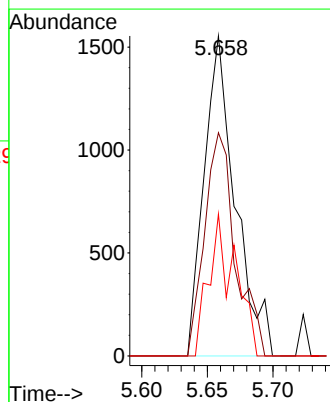
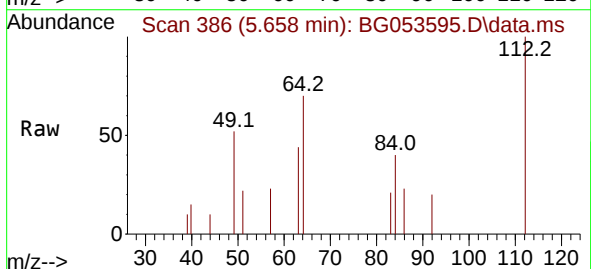
Instrument :
BNA_G
ClientSampleId :
SC-8DL2

Tgt Ion:152 Resp: 36343
Ion Ratio Lower Upper
152 100
150 147.6 131.6 197.4
115 59.6 50.9 76.3



#5
2-Fluorophenol
Concen: 1.197 ng
RT: 5.658 min Scan# 386
Delta R.T. 0.007 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

Tgt Ion:112 Resp: 2563
Ion Ratio Lower Upper
112 100
64 69.8 55.1 82.7
63 44.3 30.4 45.6

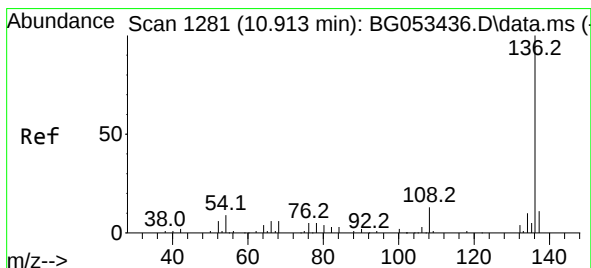
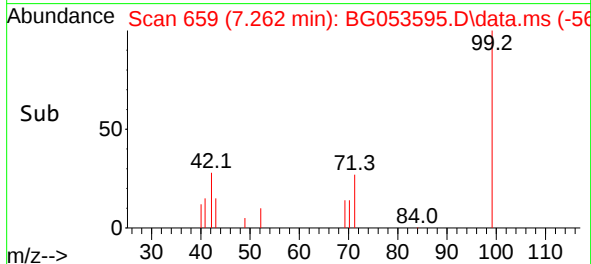
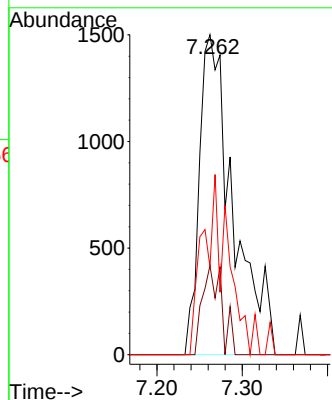
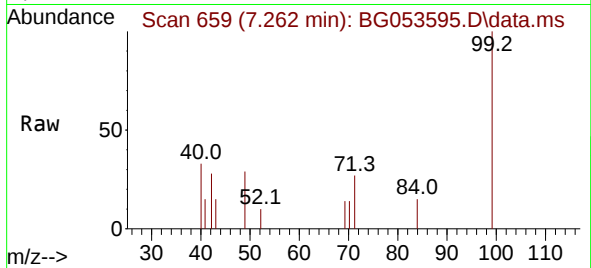




#7
Phenol-d6
Concen: 1.268 ng
RT: 7.262 min Scan# 61
Delta R.T. 0.013 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

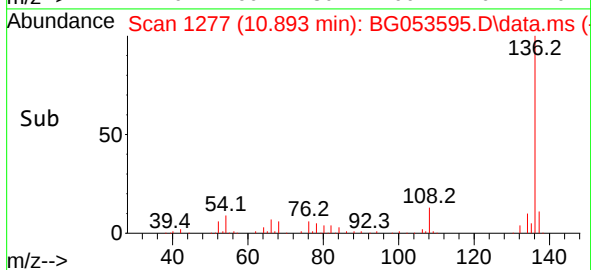
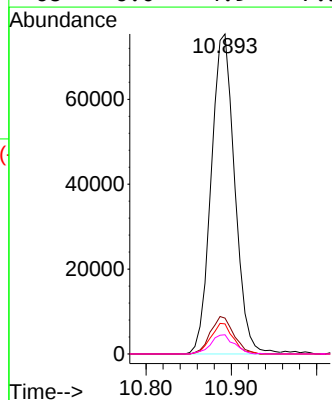
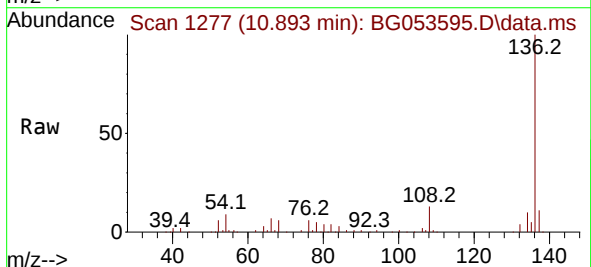
Instrument :
BNA_G
ClientSampleId :
SC-8DL2

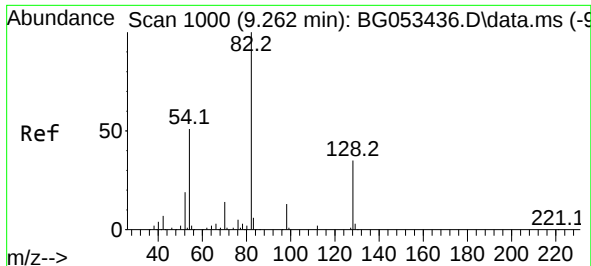
Tgt Ion: 99 Resp: 4120
Ion Ratio Lower Upper
99 100
42 27.8 17.0 25.6#
71 27.4 33.8 50.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.893 min Scan# 1277
Delta R.T. -0.005 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

Tgt Ion: 136 Resp: 144807
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 9.4 7.4 11.2
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 0.962 ng

RT: 9.254 min Scan# 91

Delta R.T. 0.001 min

Lab File: BG053595.D

Acq: 17 May 2022 22:21

Instrument :

BNA_G

ClientSampleId :

SC-8DL2

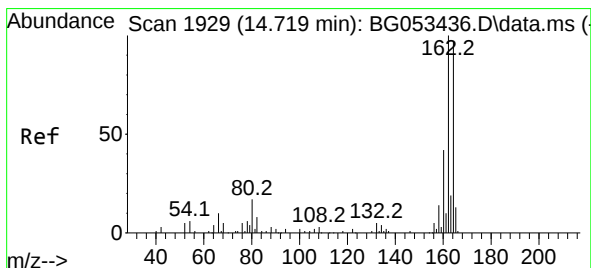
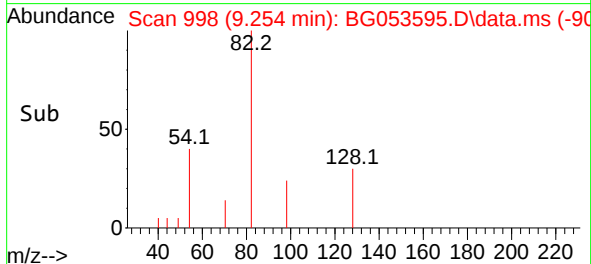
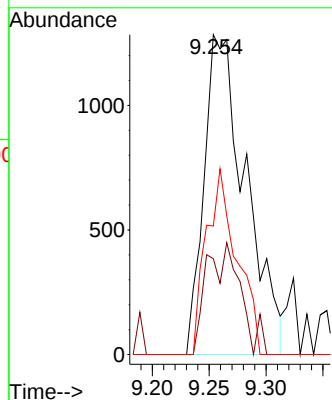
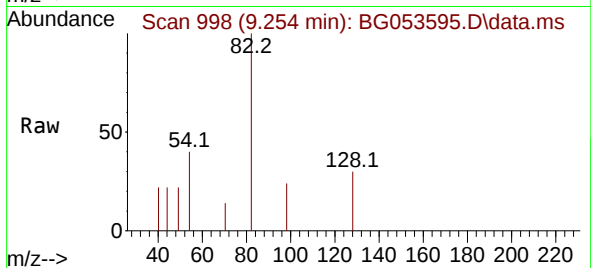
Tgt Ion: 82 Resp: 3273

Ion Ratio Lower Upper

82 100

128 30.0 27.9 41.9

54 40.2 41.2 61.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.705 min Scan# 1926

Delta R.T. -0.011 min

Lab File: BG053595.D

Acq: 17 May 2022 22:21

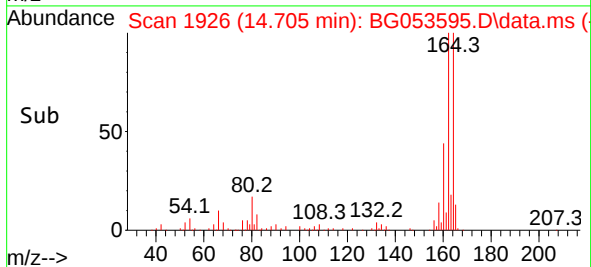
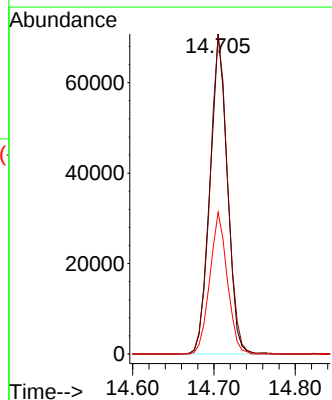
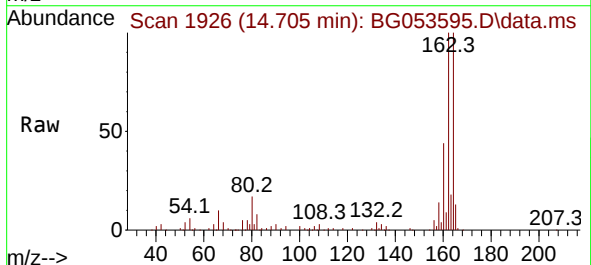
Tgt Ion: 164 Resp: 104630

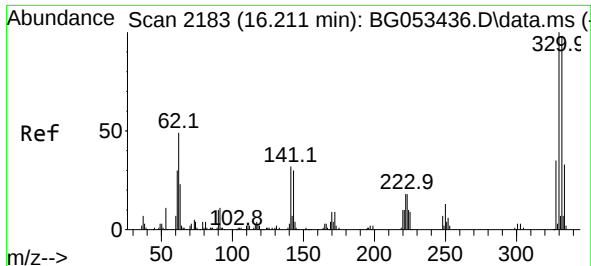
Ion Ratio Lower Upper

164 100

162 99.5 82.3 123.5

160 44.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 0.846 ng

RT: 16.209 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG053595.D

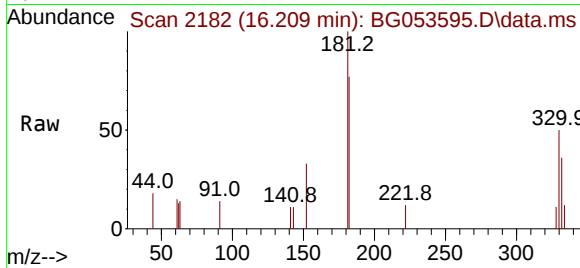
Acq: 17 May 2022 22:21

Instrument :

BNA_G

ClientSampleId :

SC-8DL2



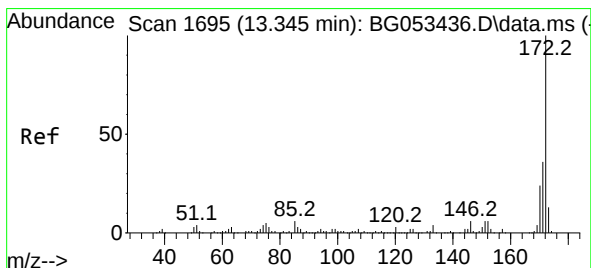
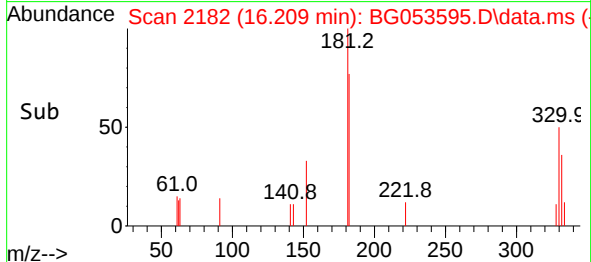
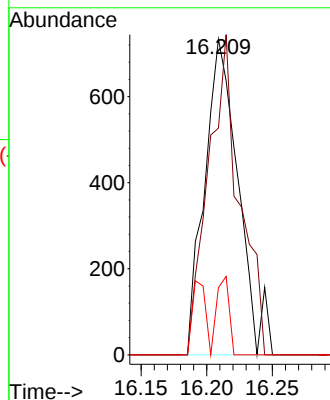
Tgt Ion:330 Resp: 1306

Ion Ratio Lower Upper

330 100

332 94.1 76.0 114.0

141 9.1 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 1.258 ng

RT: 13.336 min Scan# 1693

Delta R.T. 0.001 min

Lab File: BG053595.D

Acq: 17 May 2022 22:21

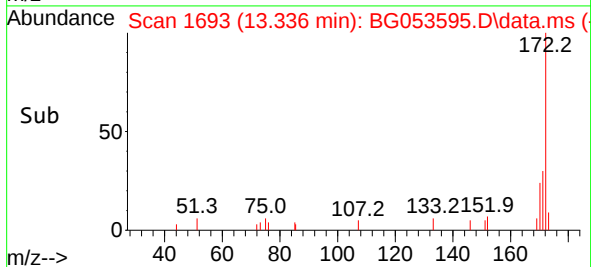
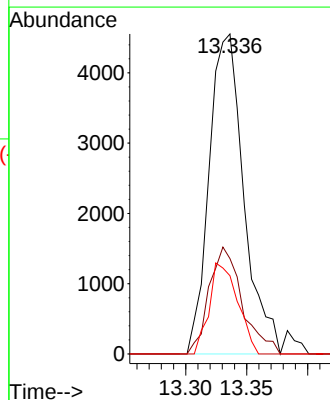
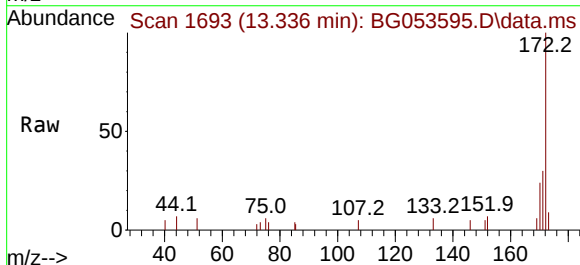
Tgt Ion:172 Resp: 9004

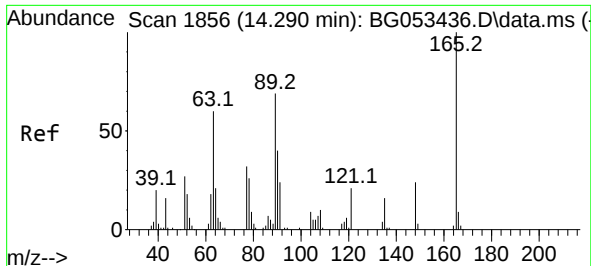
Ion Ratio Lower Upper

172 100

171 29.8 28.5 42.7

170 24.4 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.169 ng

RT: 14.705 min Scan# 1926

Delta R.T. 0.424 min

Lab File: BG053595.D

Acq: 17 May 2022 22:21

Instrument :

BNA_G

ClientSampleId :

SC-8DL2

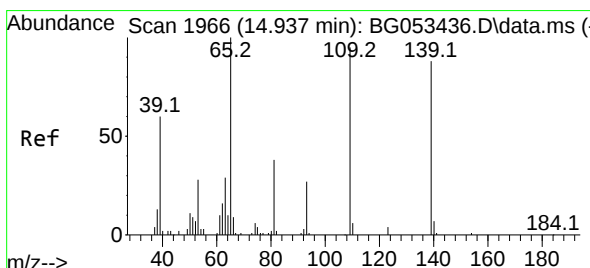
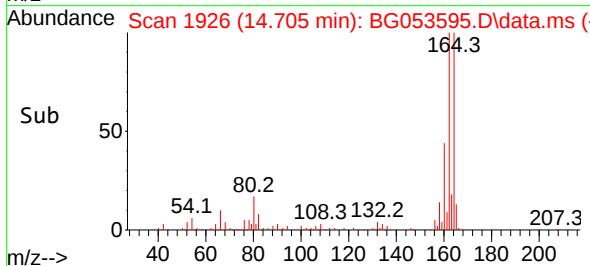
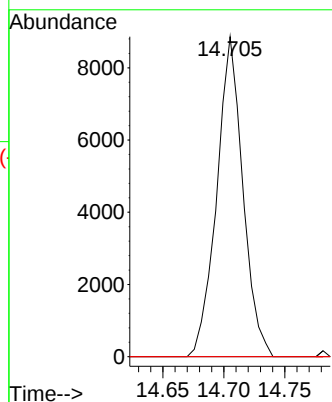
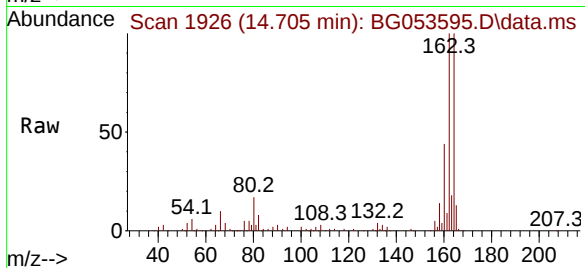
Tgt Ion:165 Resp: 13232

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#56

4-Nitrophenol

Concen: 2.153 ng

RT: 15.110 min Scan# 1995

Delta R.T. 0.177 min

Lab File: BG053595.D

Acq: 17 May 2022 22:21

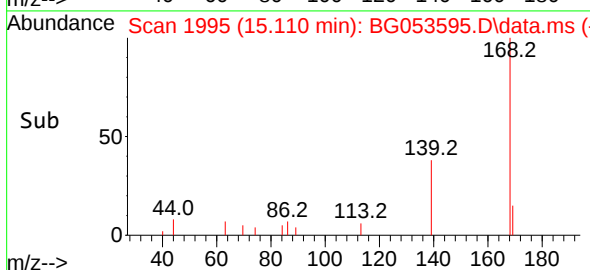
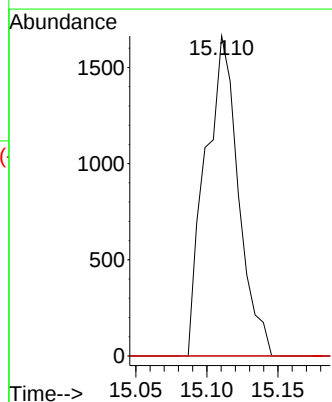
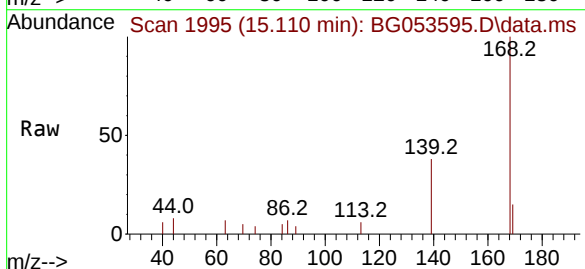
Tgt Ion:139 Resp: 2692

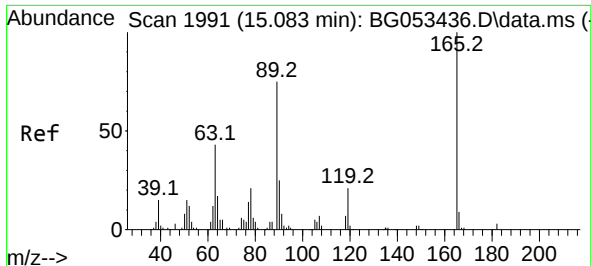
Ion Ratio Lower Upper

139 100

109 0.0 88.5 128.5#

65 0.0 93.9 133.9#

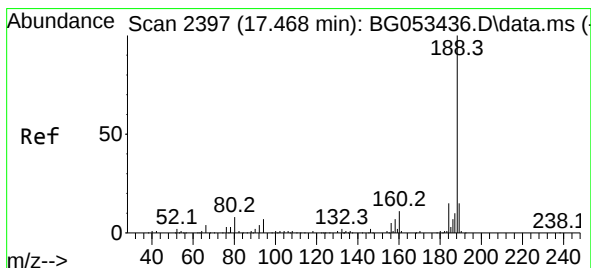
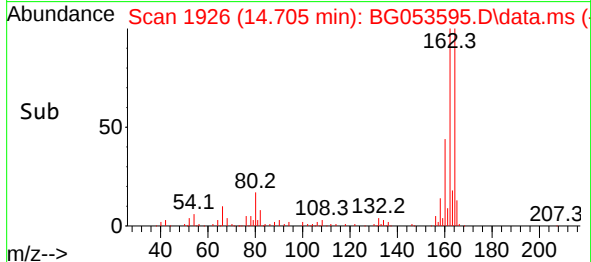
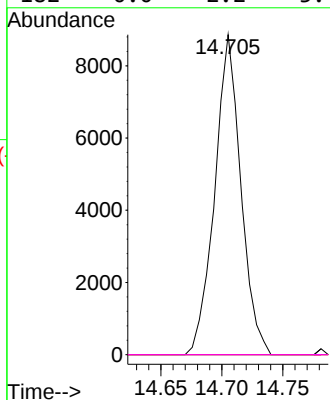
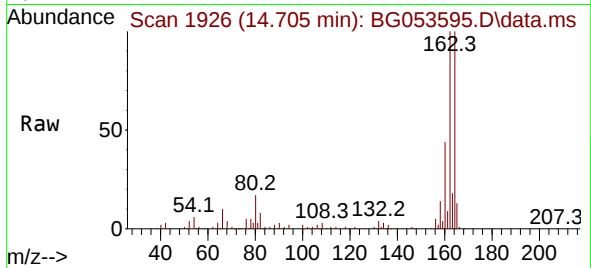




#57
2,4-Dinitrotoluene
Concen: 5.635 ng
RT: 14.705 min Scan# 1991
Delta R.T. -0.369 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

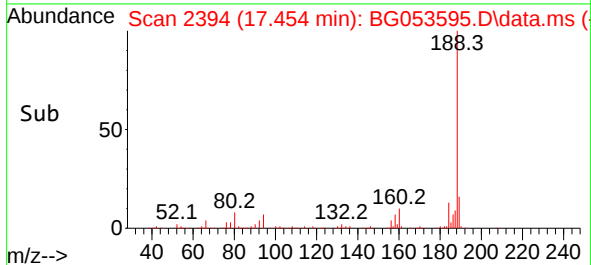
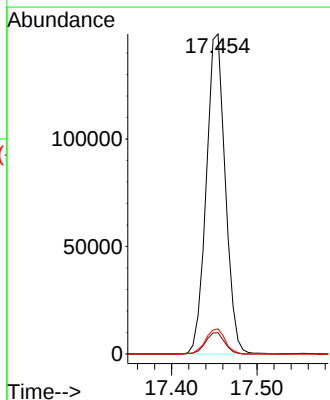
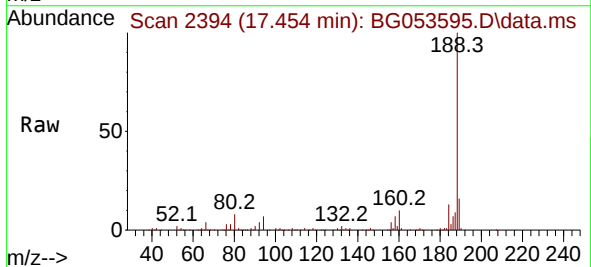
Instrument :
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SC-8DL2

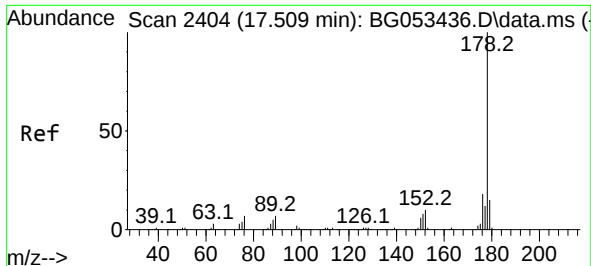
Tgt Ion:165 Resp: 13232
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.454 min Scan# 2394
Delta R.T. -0.005 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

Tgt Ion:188 Resp: 229719
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 7.9 6.8 10.2

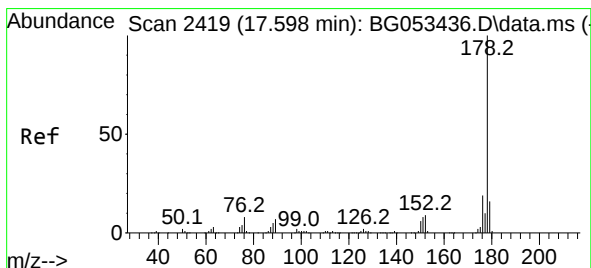
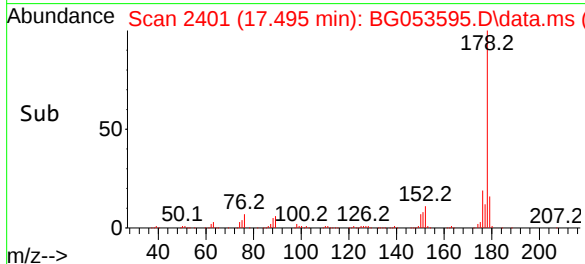
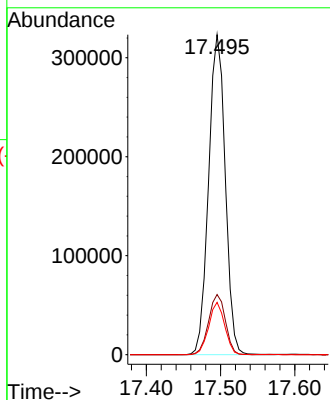
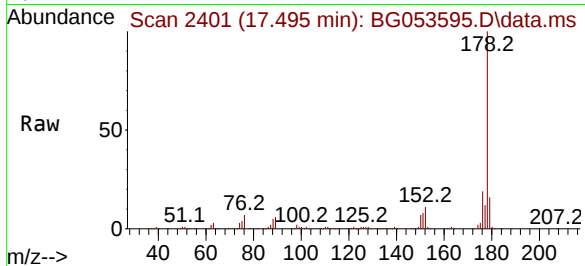




#71
Phenanthrene
Concen: 43.069 ng
RT: 17.495 min Scan# 2401
Delta R.T. -0.005 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

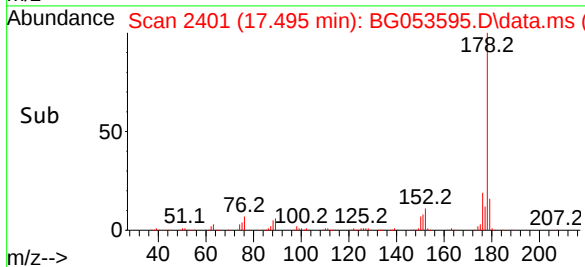
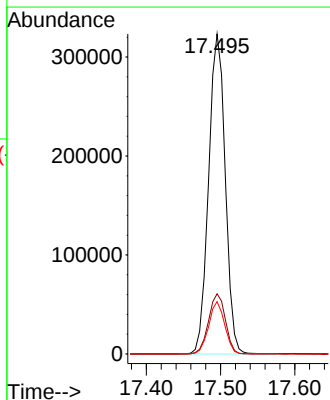
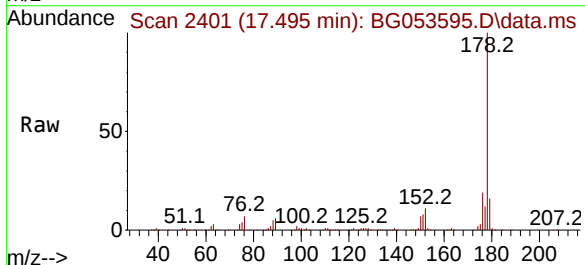
Instrument :
BNA_G
ClientSampleId :
SC-8DL2

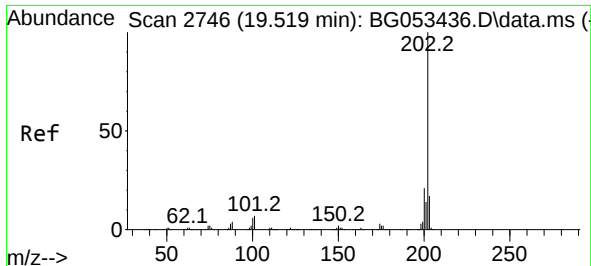
Tgt Ion:178 Resp: 503078
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 16.3 12.1 18.1



#72
Anthracene
Concen: 43.818 ng
RT: 17.495 min Scan# 2401
Delta R.T. -0.099 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

Tgt Ion:178 Resp: 503078
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 16.3 13.0 19.4

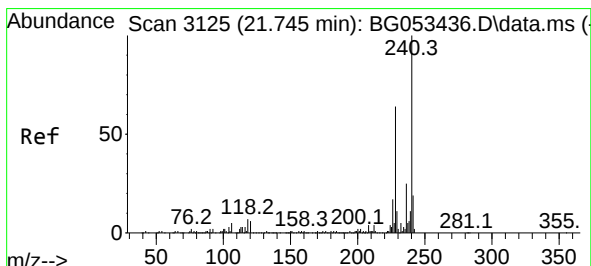
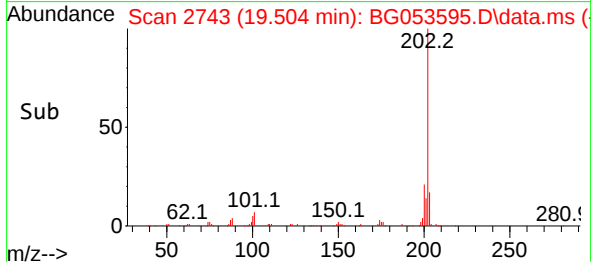
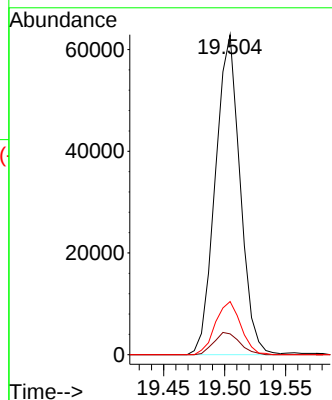
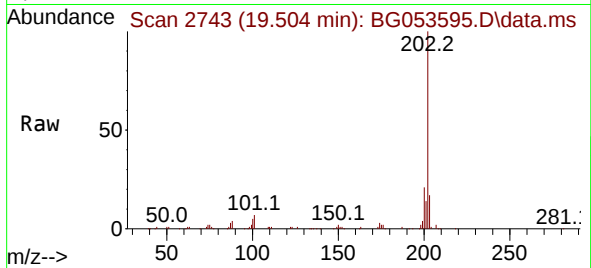




#75
Fluoranthene
Concen: 5.871 ng
RT: 19.504 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

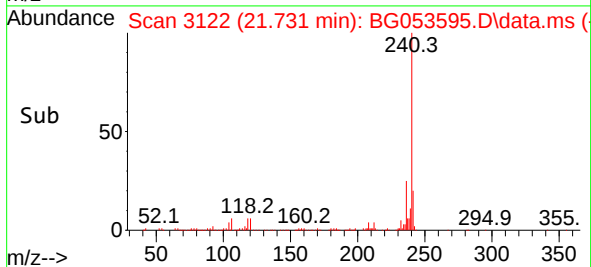
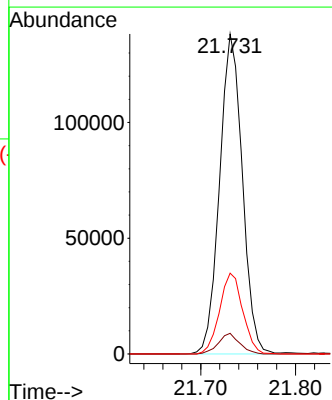
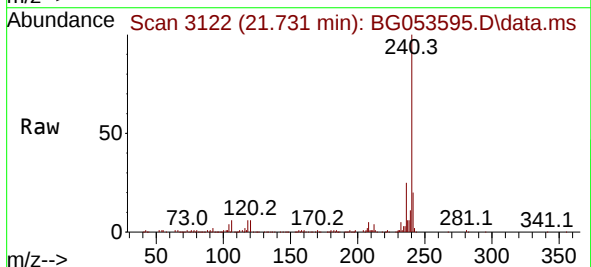
Instrument :
BNA_G
ClientSampleId :
SC-8DL2

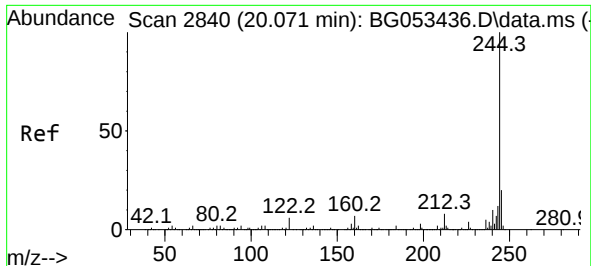
Tgt Ion:202 Resp: 88790
Ion Ratio Lower Upper
202 100
101 6.5 0.0 26.9
203 16.6 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.731 min Scan# 3122
Delta R.T. -0.011 min
Lab File: BG053595.D
Acq: 17 May 2022 22:21

Tgt Ion:240 Resp: 230145
Ion Ratio Lower Upper
240 100
120 6.5 4.6 7.0
236 25.3 20.2 30.4

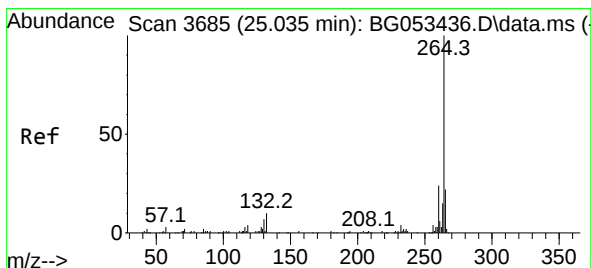
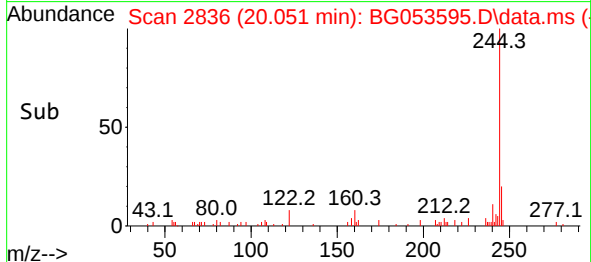
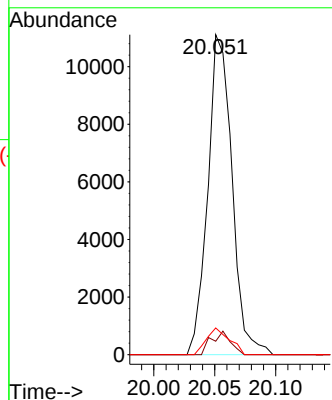
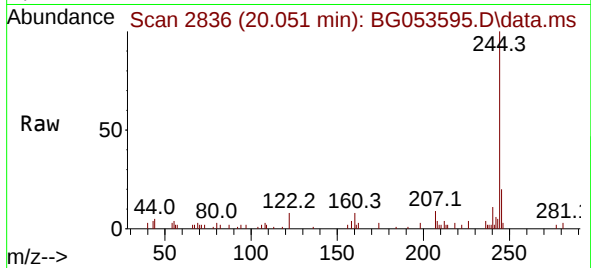




#79
 Terphenyl-d14
 Concen: 1.246 ng
 RT: 20.051 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG053595.D
 Acq: 17 May 2022 22:21

Instrument :
 BNA_G
 ClientSampleId :
 SC-8DL2

Tgt Ion:244 Resp: 15396
 Ion Ratio Lower Upper
 244 100
 212 4.2 6.5 9.7#
 122 8.3 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.009 min Scan# 3680
 Delta R.T. -0.011 min
 Lab File: BG053595.D
 Acq: 17 May 2022 22:21

Tgt Ion:264 Resp: 235290
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.0 28.6
 265 20.4 17.4 26.2

