

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051022\
 Data File : BG053510.D
 Acq On : 10 May 2022 16:21
 Operator : CG/JU
 Sample : N2749-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-7

Quant Time: May 11 06:03:12 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)

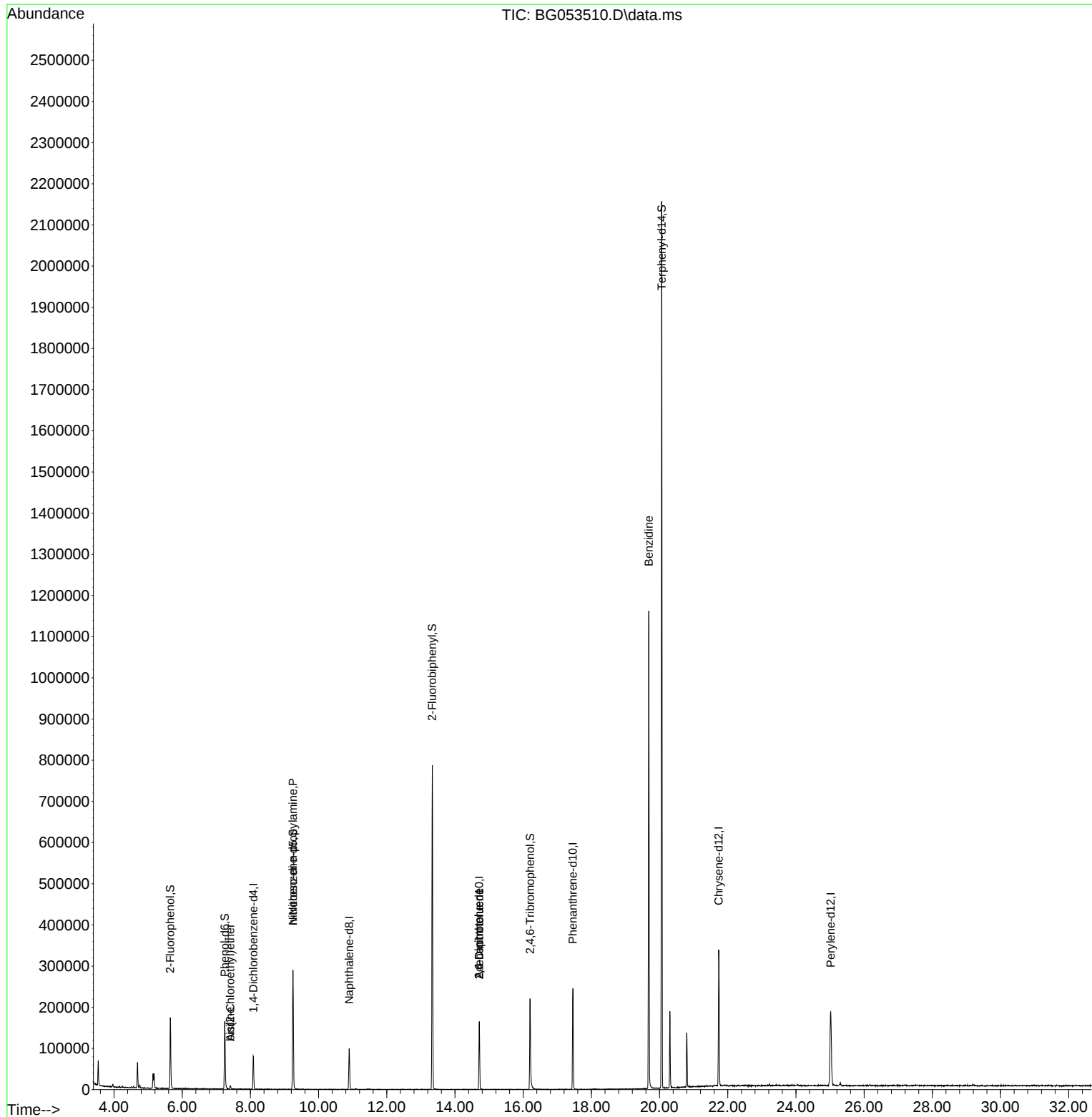
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.089	152	22293	20.000	ng	0.00
21) Naphthalene-d8	10.897	136	83141	20.000	ng	0.00
39) Acenaphthene-d10	14.710	164	63445	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	164123	20.000	ng	0.00
76) Chrysene-d12	21.735	240	219900	20.000	ng	0.00
86) Perylene-d12	25.019	264	217003	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	72058	54.857	ng	0.00
7) Phenol-d6	7.249	99	99741	50.032	ng	0.00
23) Nitrobenzene-d5	9.246	82	189379	96.963	ng	0.00
42) 2,4,6-Tribromophenol	16.202	330	52972	56.610	ng	0.00
45) 2-Fluorobiphenyl	13.335	172	418293	96.342	ng	0.00
79) Terphenyl-d14	20.061	244	1069136	90.552	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.408	93	6129	2.776	ng	91
11) bis(2-Chloroethyl)ether	7.408	93	6129	4.215	ng	# 27
19) n-Nitroso-di-n-propyla...	9.246	70	26818	18.749	ng	# 83
51) 2,6-Dinitrotoluene	14.710	165	8470	8.623	ng	# 16
57) 2,4-Dinitrotoluene	14.710	165	8470	5.949	ng	# 21
77) Benzidine	19.685	184	673246	142.045	ng	98

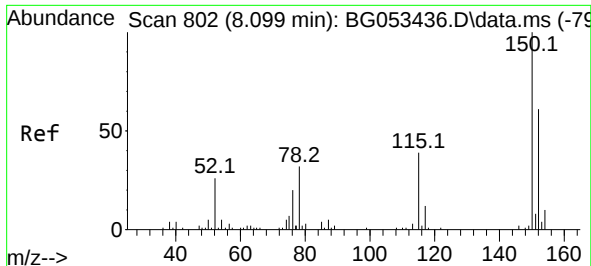
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG053510.D
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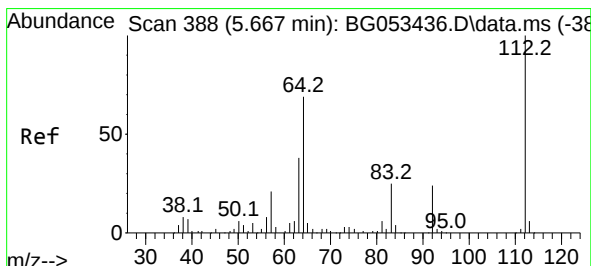
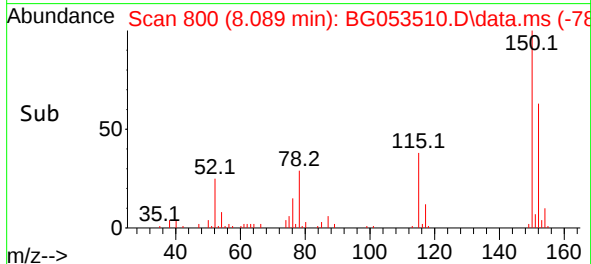
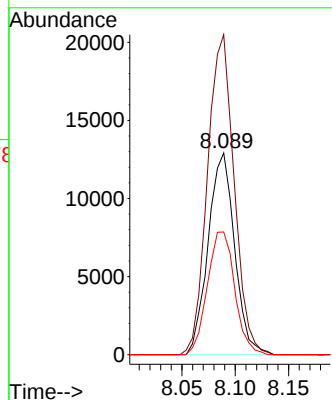
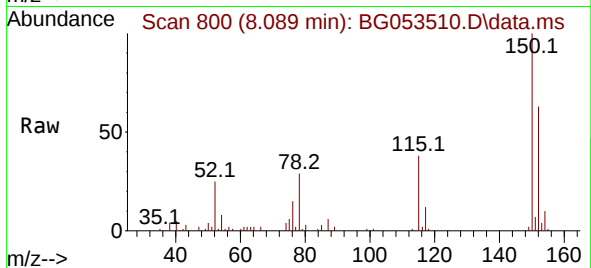




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.089 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

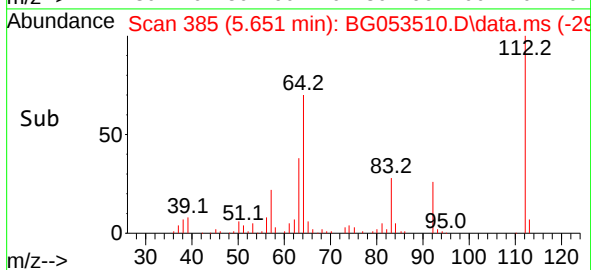
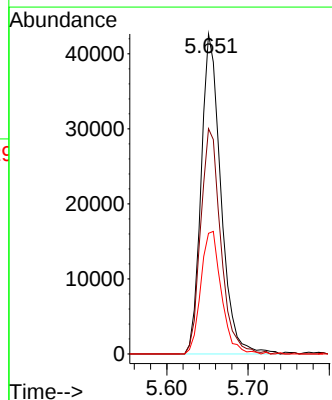
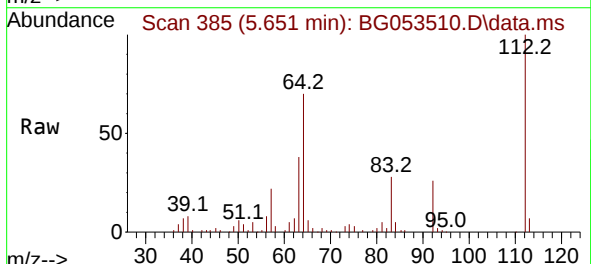
Instrument :
BNA_G
ClientSampleId :
TP-7

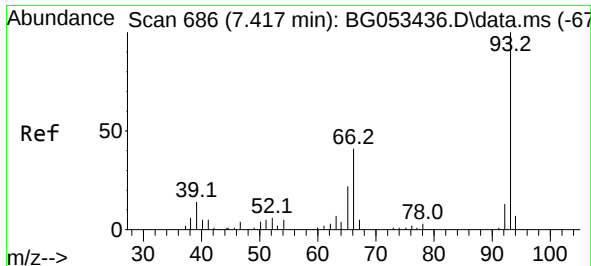
Tgt Ion:152 Resp: 22293
Ion Ratio Lower Upper
152 100
150 158.6 131.6 197.4
115 60.8 50.9 76.3



#5
2-Fluorophenol
Concen: 54.857 ng
RT: 5.651 min Scan# 385
Delta R.T. -0.000 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

Tgt Ion:112 Resp: 72058
Ion Ratio Lower Upper
112 100
64 70.4 55.1 82.7
63 37.7 30.4 45.6

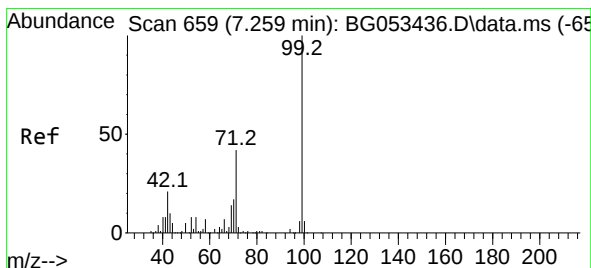
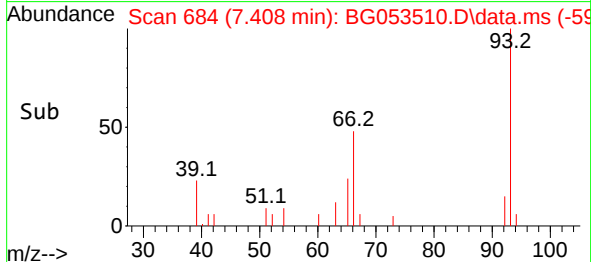
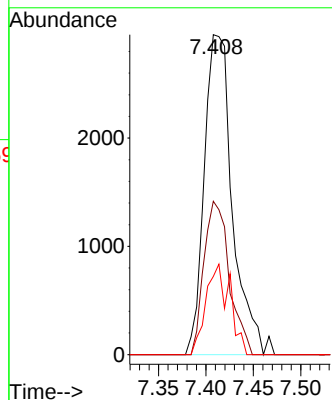
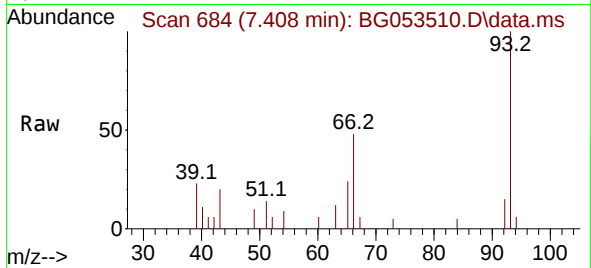




#6
Aniline
Concen: 2.776 ng
RT: 7.408 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

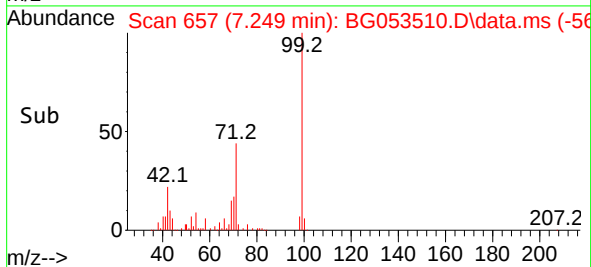
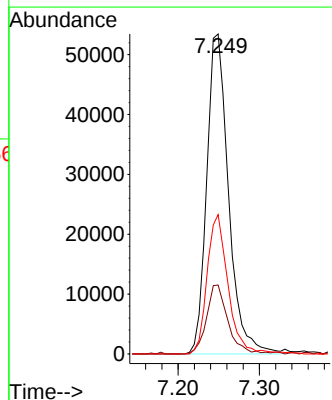
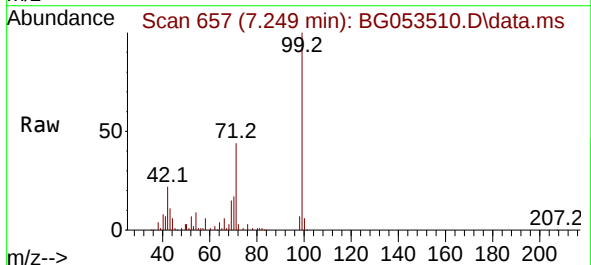
Instrument :
BNA_G
ClientSampleId :
TP-7

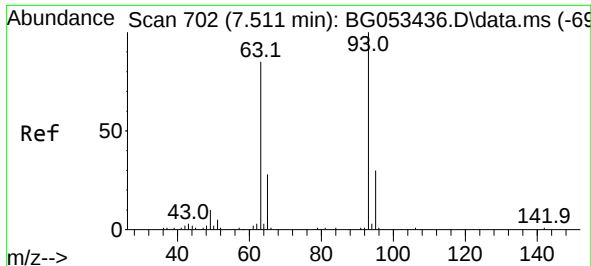
Tgt Ion: 93 Resp: 6129
Ion Ratio Lower Upper
93 100
66 48.0 32.9 49.3
65 24.4 17.8 26.8



#7
Phenol-d6
Concen: 50.032 ng
RT: 7.249 min Scan# 657
Delta R.T. -0.000 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

Tgt Ion: 99 Resp: 99741
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 43.6 33.8 50.8

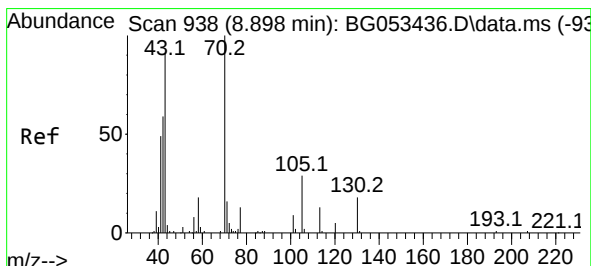
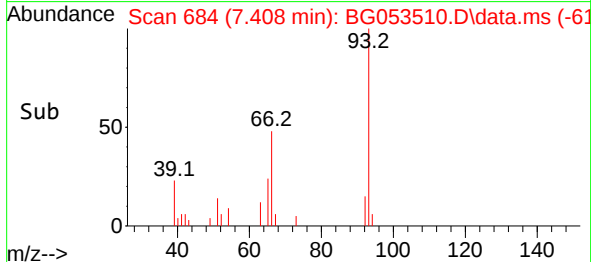
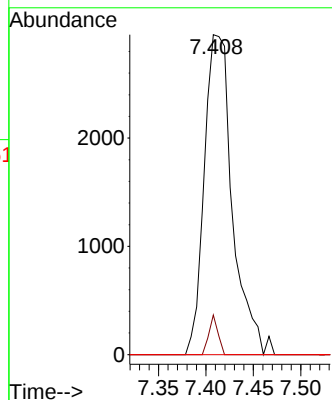
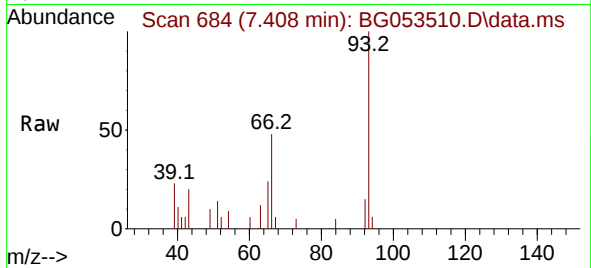




#11
bis(2-Chloroethyl)ether
Concen: 4.215 ng
RT: 7.408 min Scan# 61
Delta R.T. -0.094 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

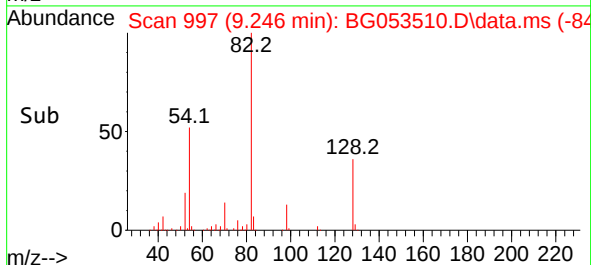
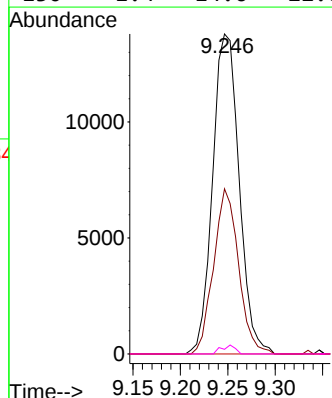
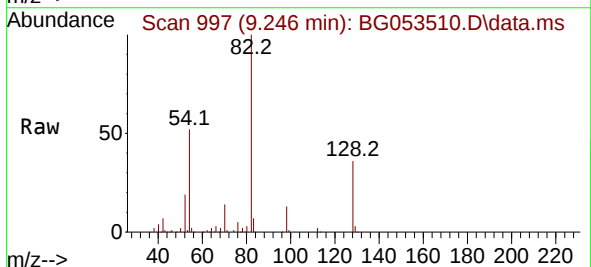
Instrument :
BNA_G
ClientSampleId :
TP-7

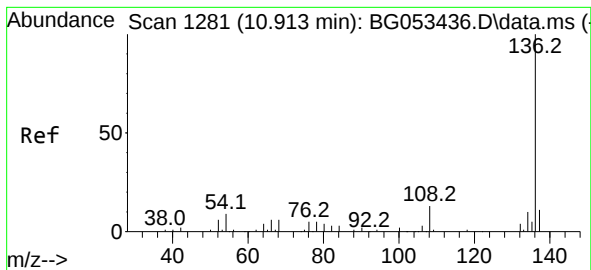
Tgt Ion: 93 Resp: 6129
Ion Ratio Lower Upper
93 100
63 12.4 63.6 103.6#
95 0.0 10.1 50.1#



#19
n-Nitroso-di-n-propylamine
Concen: 18.749 ng
RT: 9.246 min Scan# 997
Delta R.T. 0.358 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

Tgt Ion: 70 Resp: 26818
Ion Ratio Lower Upper
70 100
42 51.6 47.3 70.9
101 0.0 7.0 10.4#
130 1.4 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.897 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG053510.D

Acq: 10 May 2022 16:21

Instrument :

BNA_G

ClientSampleId :

TP-7

Tgt Ion:136 Resp: 83141

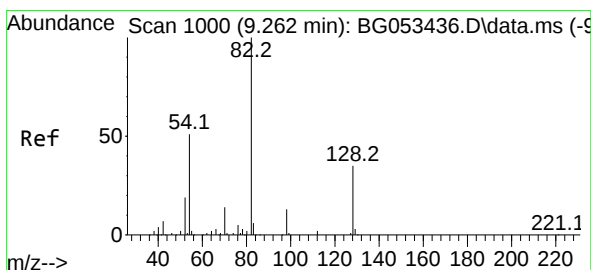
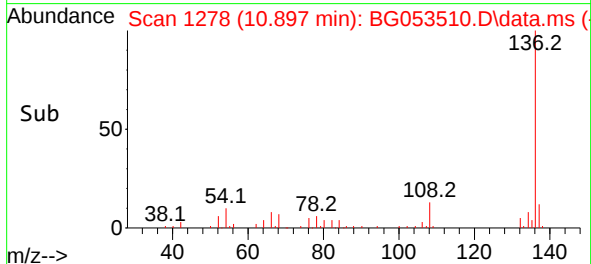
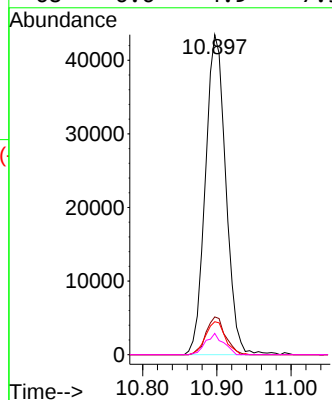
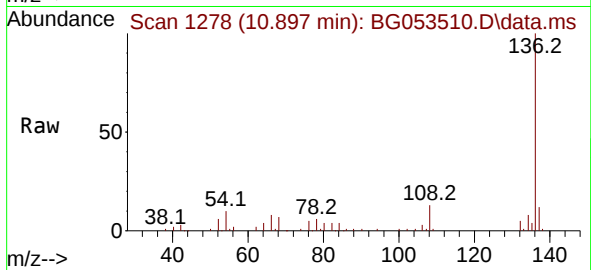
Ion Ratio Lower Upper

136 100

137 11.8 8.5 12.7

54 10.3 7.4 11.2

68 6.6 4.9 7.3



#23

Nitrobenzene-d5

Concen: 96.963 ng

RT: 9.246 min Scan# 997

Delta R.T. -0.006 min

Lab File: BG053510.D

Acq: 10 May 2022 16:21

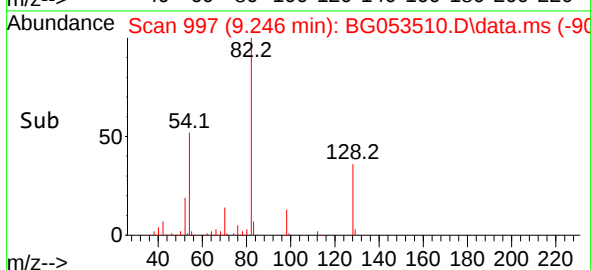
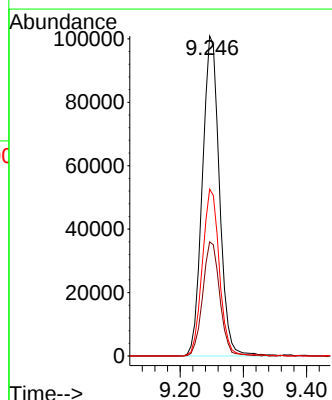
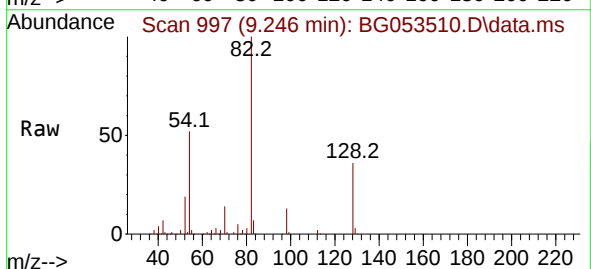
Tgt Ion: 82 Resp: 189379

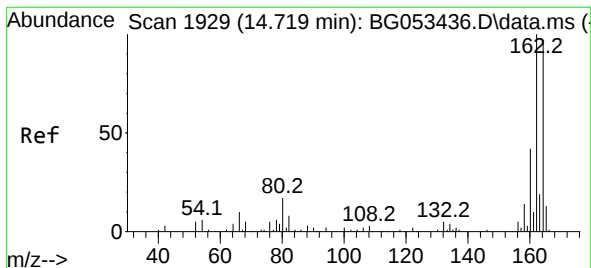
Ion Ratio Lower Upper

82 100

128 35.6 27.9 41.9

54 52.2 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.710 min Scan# 1927

Delta R.T. -0.006 min

Lab File: BG053510.D

Acq: 10 May 2022 16:21

Instrument :

BNA_G

ClientSampleId :

TP-7

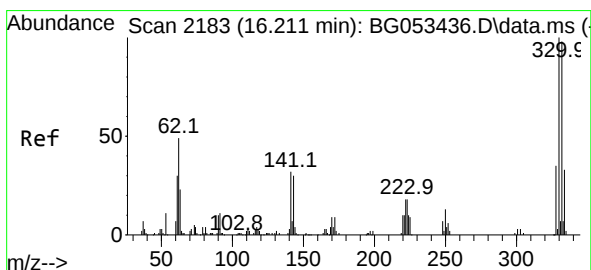
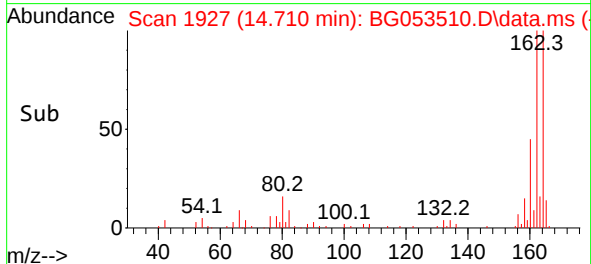
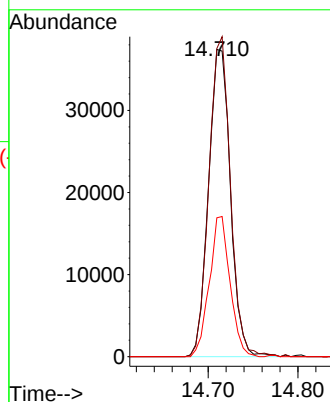
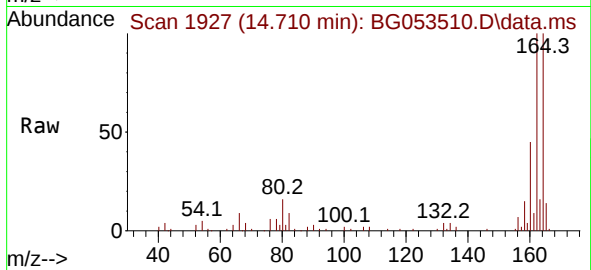
Tgt Ion:164 Resp: 63445

Ion Ratio Lower Upper

164 100

162 100.3 82.3 123.5

160 45.2 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 56.610 ng

RT: 16.202 min Scan# 2181

Delta R.T. -0.000 min

Lab File: BG053510.D

Acq: 10 May 2022 16:21

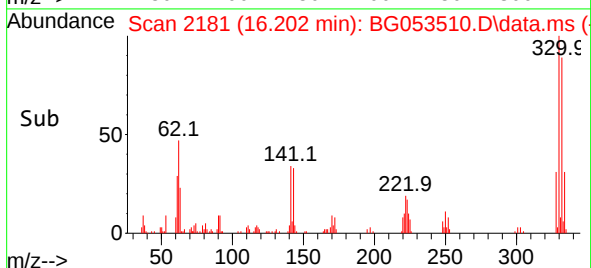
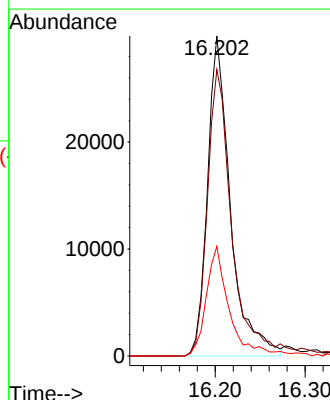
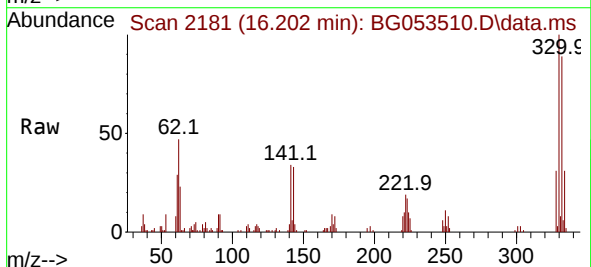
Tgt Ion:330 Resp: 52972

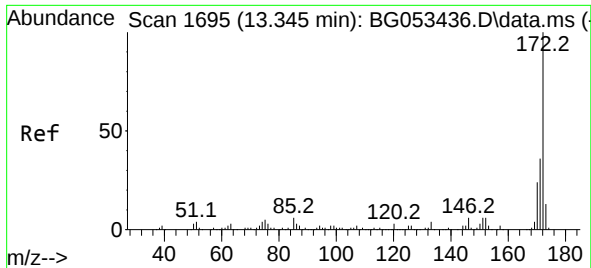
Ion Ratio Lower Upper

330 100

332 95.4 76.0 114.0

141 34.2 27.1 40.7

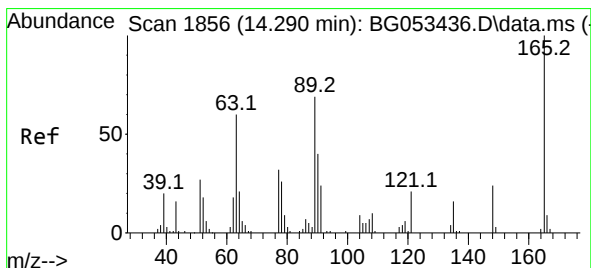
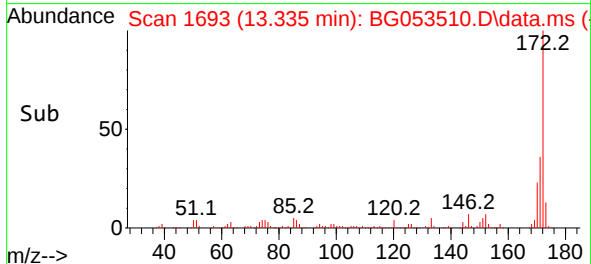
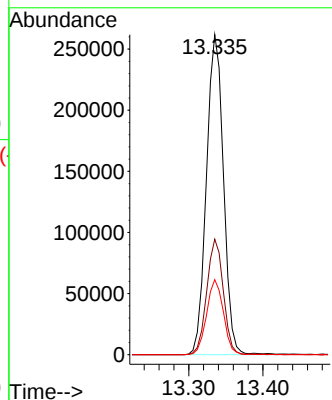
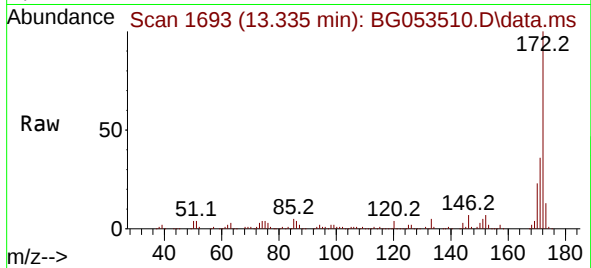




#45
2-Fluorobiphenyl
Concen: 96.342 ng
RT: 13.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

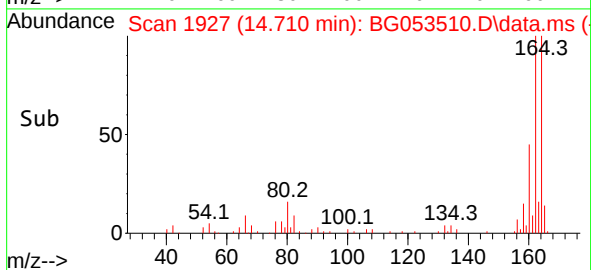
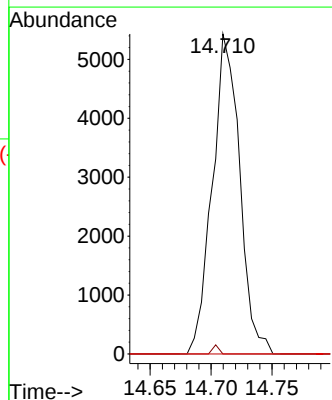
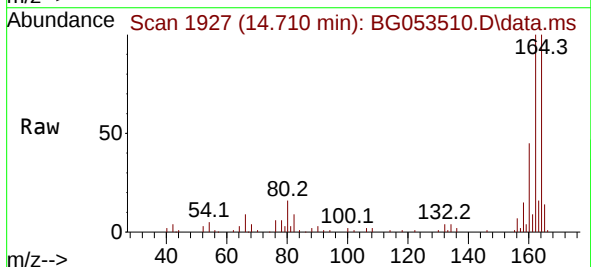
Instrument :
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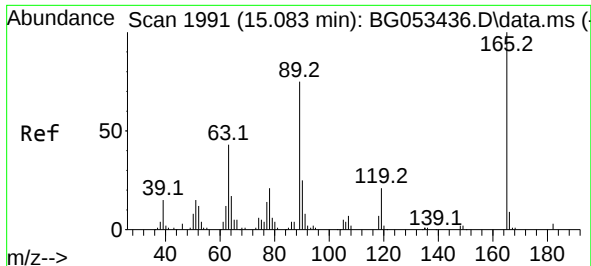
Tgt Ion:172 Resp: 418293
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.623 ng
RT: 14.710 min Scan# 1927
Delta R.T. 0.429 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

Tgt Ion:165 Resp: 8470
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

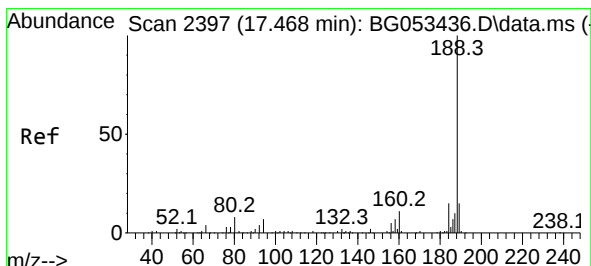
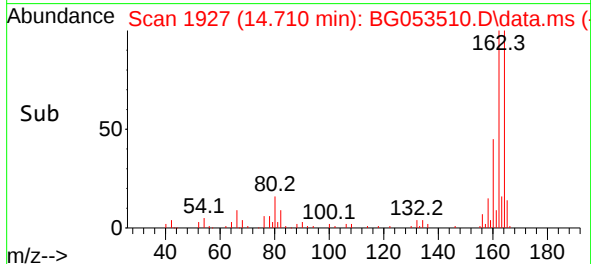
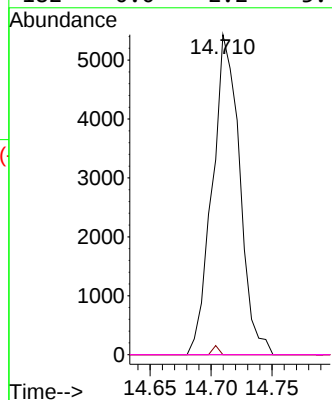
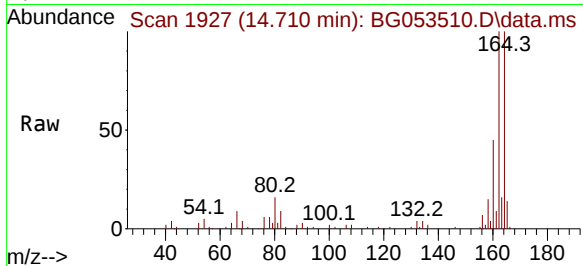




#57
2,4-Dinitrotoluene
Concen: 5.949 ng
RT: 14.710 min Scan# 1991
Delta R.T. -0.364 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

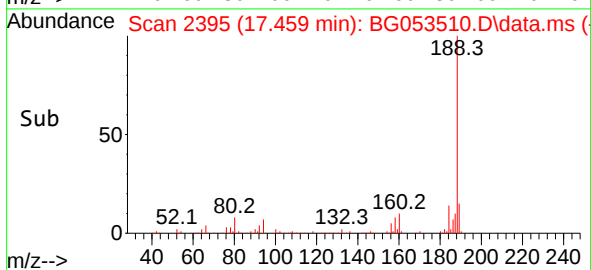
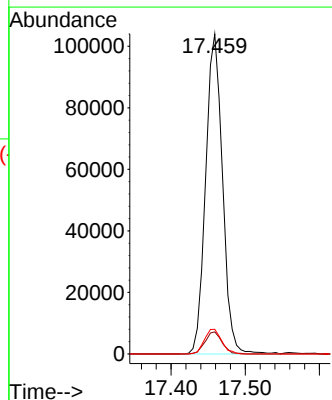
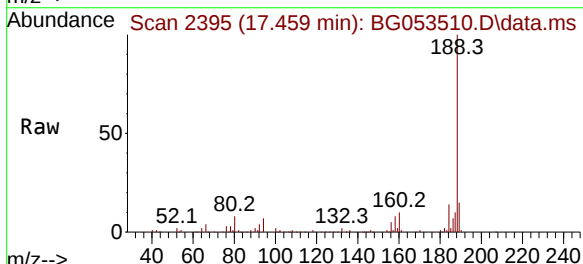
Instrument :
BNA_G
ClientSampleId :
TP-7

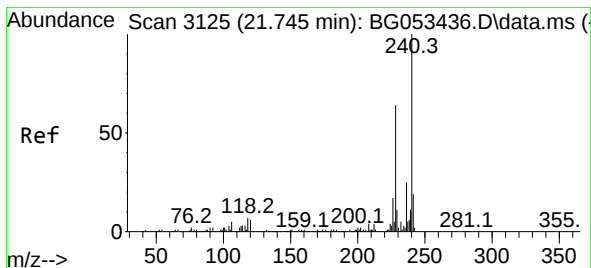
Tgt Ion:165	Resp:	8470
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	0.0	60.3
182	0.0	2.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.459 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BG053510.D
Acq: 10 May 2022 16:21

Tgt Ion:188	Resp:	164123
Ion Ratio	Lower	Upper
188	100	
94	6.9	5.4
80	7.7	6.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.735 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG053510.D

Acq: 10 May 2022 16:21

Instrument :

BNA_G

ClientSampleId :

TP-7

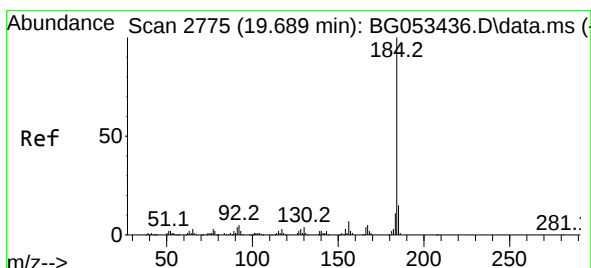
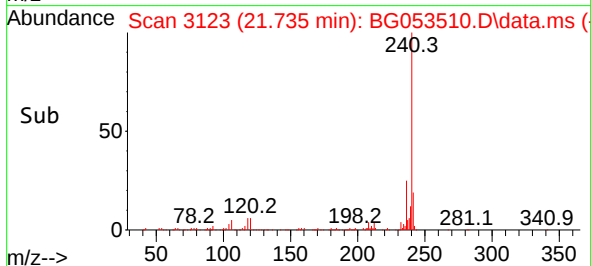
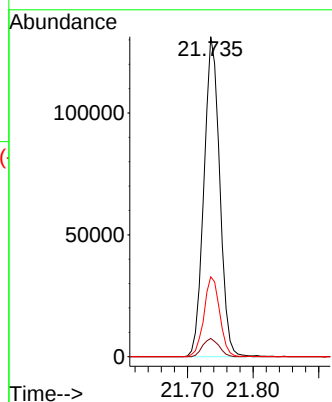
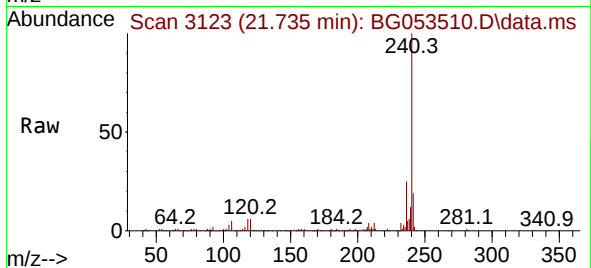
Tgt Ion:240 Resp: 219900

Ion Ratio Lower Upper

240 100

120 5.7 4.6 7.0

236 24.9 20.2 30.4



#77

Benzidine

Concen: 142.045 ng

RT: 19.685 min Scan# 2774

Delta R.T. 0.006 min

Lab File: BG053510.D

Acq: 10 May 2022 16:21

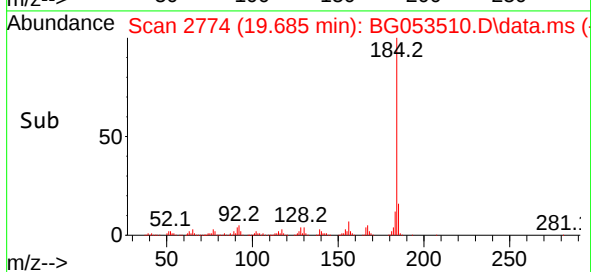
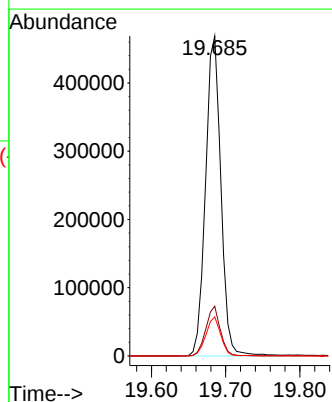
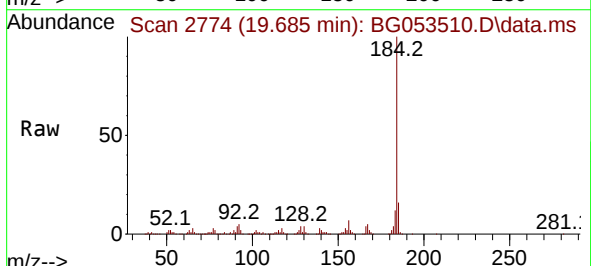
Tgt Ion:184 Resp: 673246

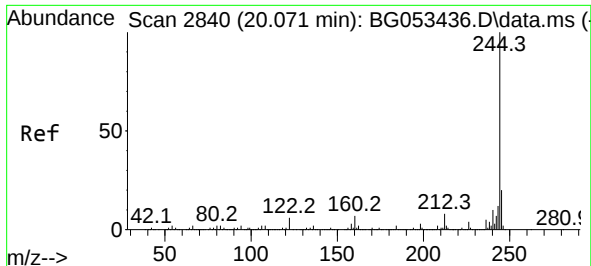
Ion Ratio Lower Upper

184 100

185 15.6 11.8 17.6

183 12.2 8.9 13.3

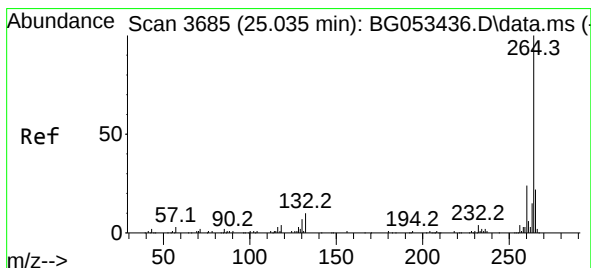
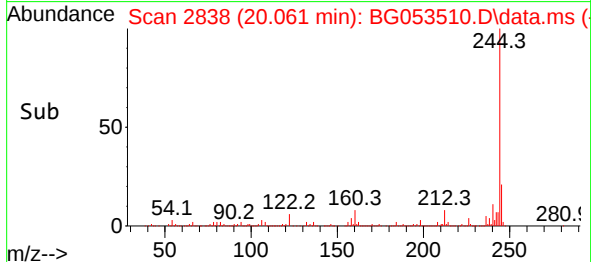
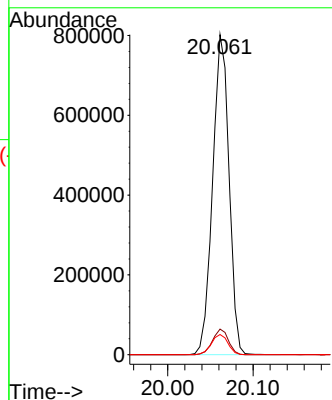
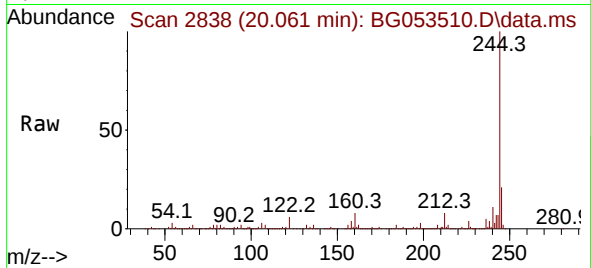




#79
 Terphenyl-d14
 Concen: 90.552 ng
 RT: 20.061 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG053510.D
 Acq: 10 May 2022 16:21

Instrument :
 BNA_G
 ClientSampleId :
 TP-7

Tgt Ion:244 Resp: 1069136
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 6.3 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.019 min Scan# 3682
 Delta R.T. -0.000 min
 Lab File: BG053510.D
 Acq: 10 May 2022 16:21

Tgt Ion:264 Resp: 217003
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.0 28.6
 265 22.4 17.4 26.2

