

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051722\
 Data File : BG053593.D
 Acq On : 17 May 2022 21:02
 Operator : CG/JU
 Sample : N2832-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB11

Quant Time: May 18 03:14:51 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)

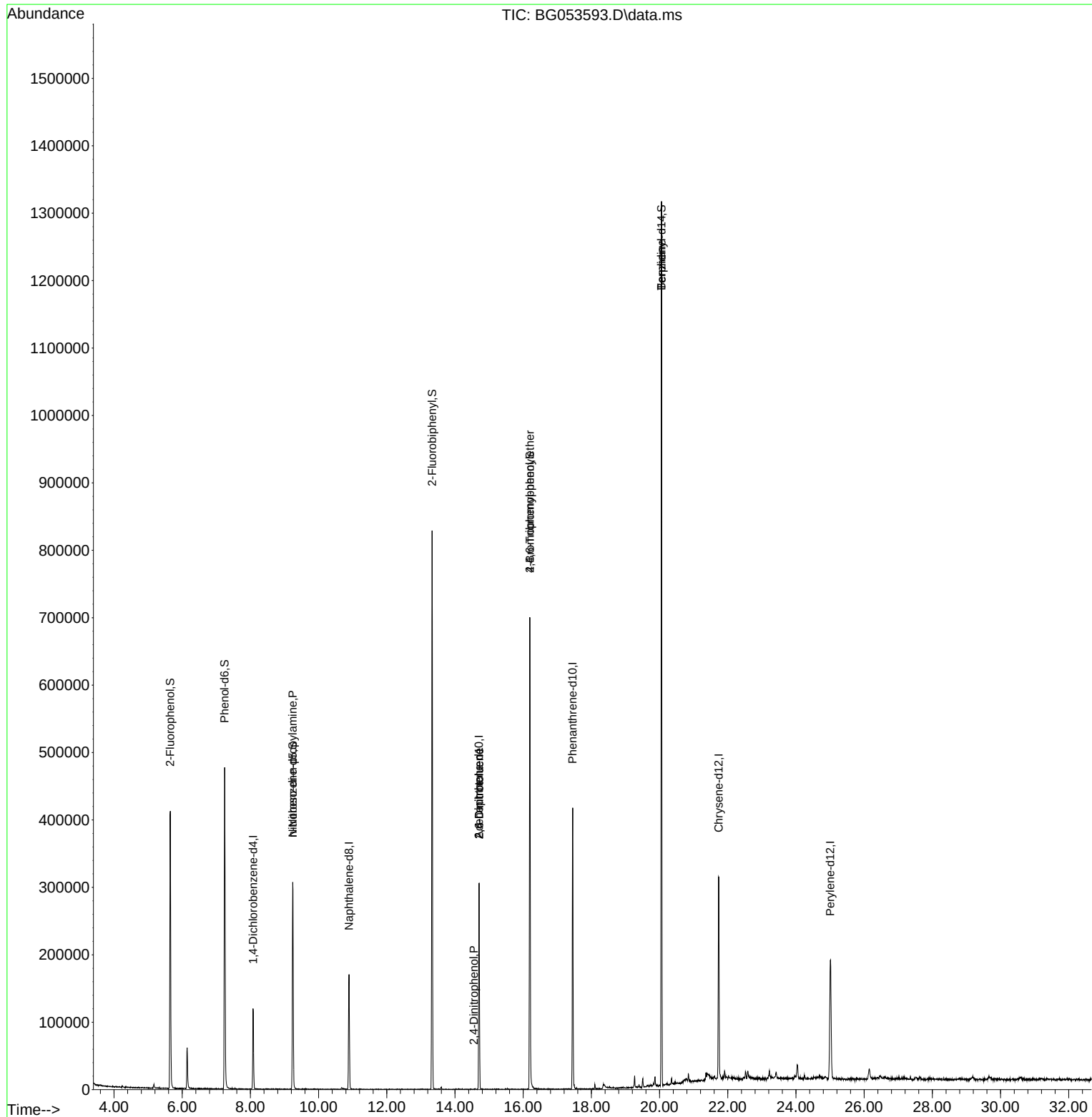
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	33125	20.000	ng	-0.01
21) Naphthalene-d8	10.890	136	142545	20.000	ng	0.00
39) Acenaphthene-d10	14.703	164	115400	20.000	ng	-0.01
64) Phenanthrene-d10	17.452	188	269045	20.000	ng	0.00
76) Chrysene-d12	21.734	240	197957	20.000	ng	0.00
86) Perylene-d12	25.006	264	199567	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.650	112	180049	92.247	ng	0.00
7) Phenol-d6	7.242	99	280058	94.544	ng	0.00
23) Nitrobenzene-d5	9.239	82	199628	59.615	ng	-0.01
42) 2,4,6-Tribromophenol	16.195	330	142949	83.988	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	429288	54.360	ng	0.00
79) Terphenyl-d14	20.054	244	666093	62.669	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.239	70	27822	13.091	ng	# 81
51) 2,6-Dinitrotoluene	14.709	165	14610	8.178	ng	# 17
54) 2,4-Dinitrophenol	14.556	184	97	6.323	ng	# 11
57) 2,4-Dinitrotoluene	14.709	165	14610	5.642	ng	# 22
67) 4-Bromophenyl-phenylether	16.195	248	9342	2.973	ng	# 1
77) Benzidine	20.054	184	10960	2.569	ng	# 92

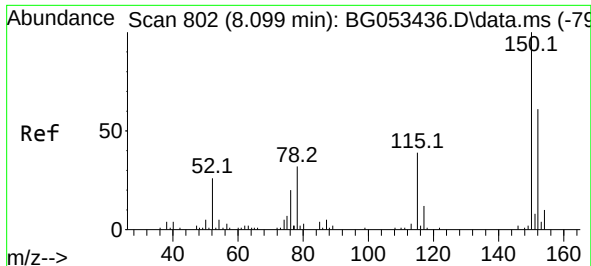
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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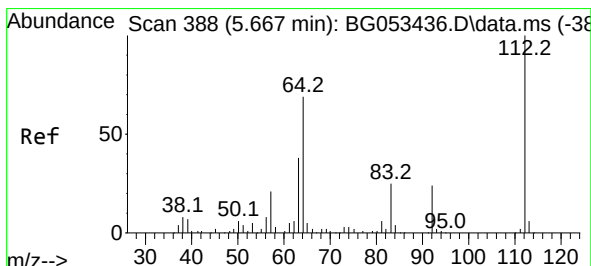
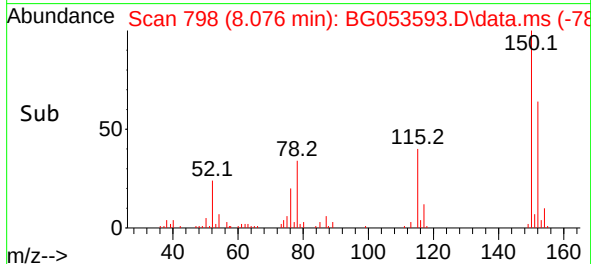
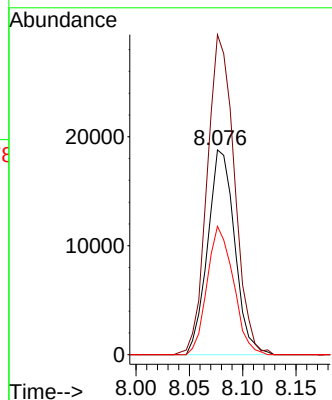
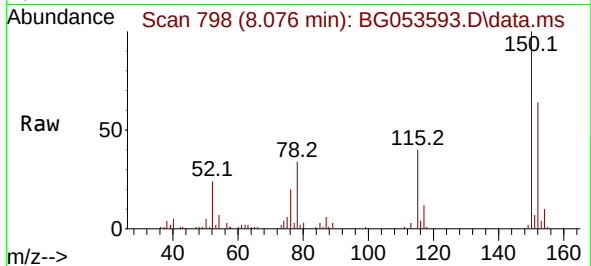




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. -0.013 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

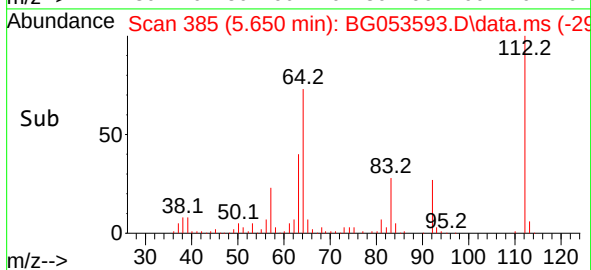
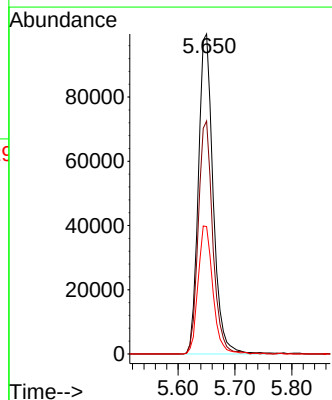
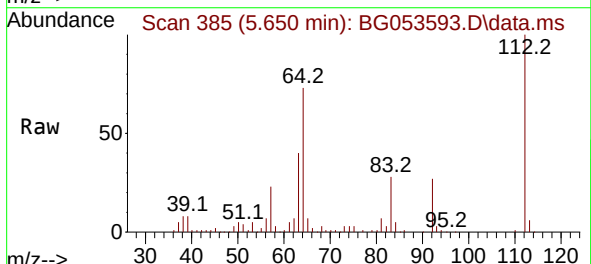
Instrument :
BNA_G
ClientSampleId :
SB11

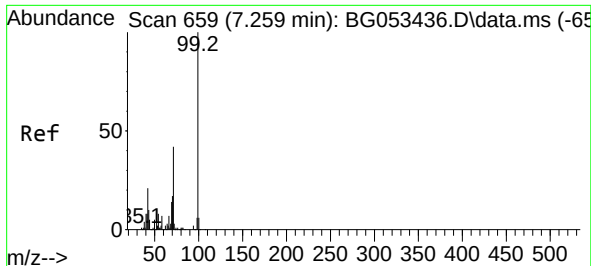
Tgt Ion:152 Resp: 33125
Ion Ratio Lower Upper
152 100
150 156.2 131.6 197.4
115 62.7 50.9 76.3



#5
2-Fluorophenol
Concen: 92.247 ng
RT: 5.650 min Scan# 385
Delta R.T. -0.001 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

Tgt Ion:112 Resp: 180049
Ion Ratio Lower Upper
112 100
64 72.8 55.1 82.7
63 39.8 30.4 45.6

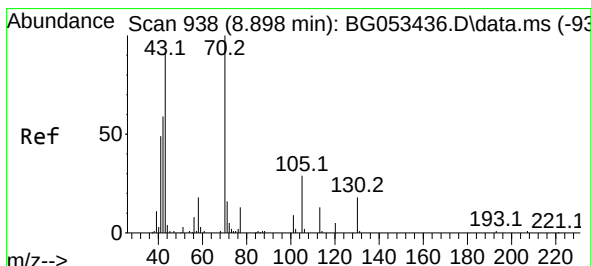
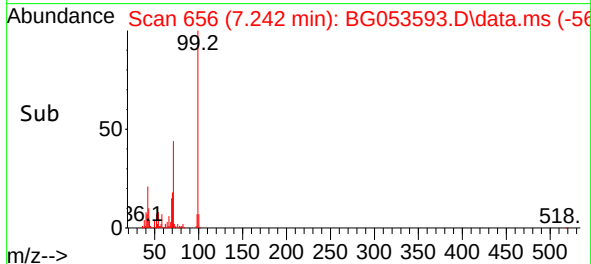
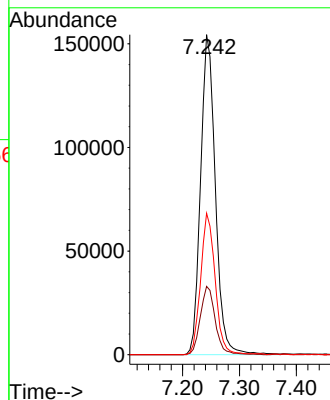
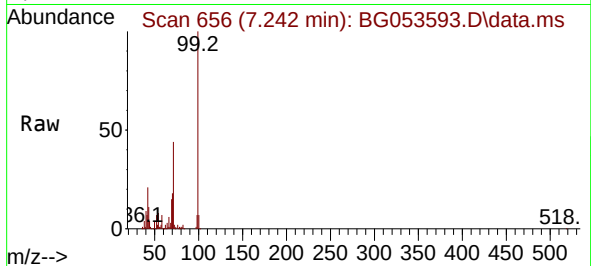




#7
Phenol-d6
Concen: 94.544 ng
RT: 7.242 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

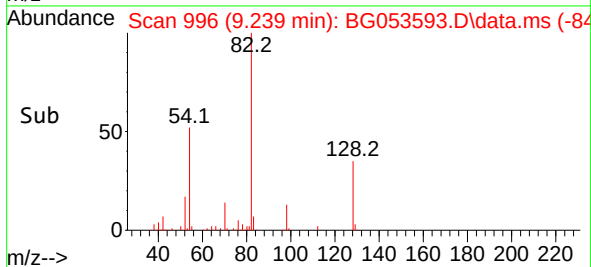
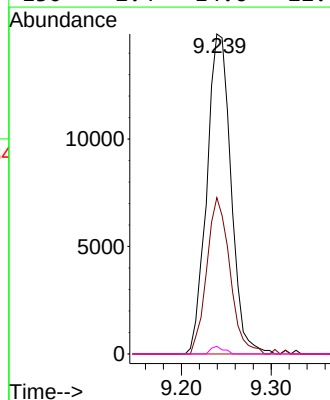
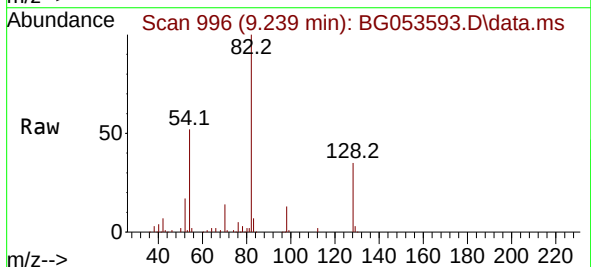
Instrument :
BNA_G
ClientSampleId :
SB11

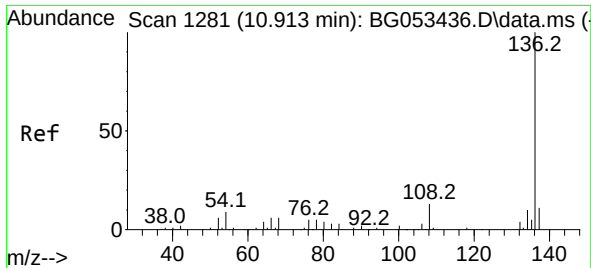
Tgt Ion: 99 Resp: 280058
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.091 ng
RT: 9.239 min Scan# 996
Delta R.T. 0.351 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

Tgt Ion: 70 Resp: 27822
Ion Ratio Lower Upper
70 100
42 48.9 47.3 70.9
101 0.0 7.0 10.4#
130 2.4 14.6 22.0#

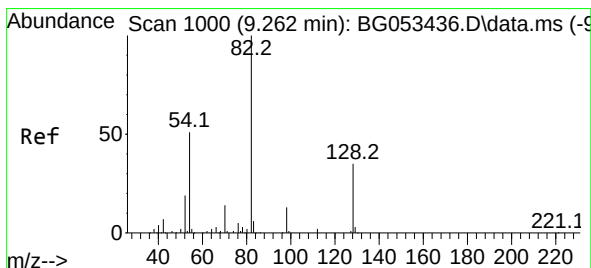
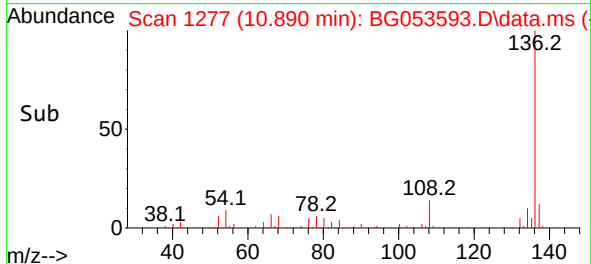
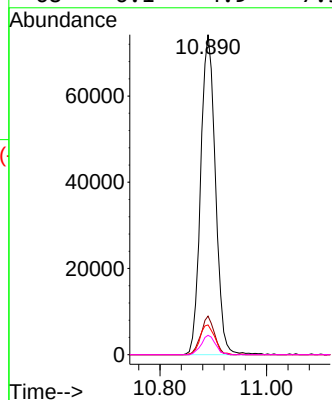
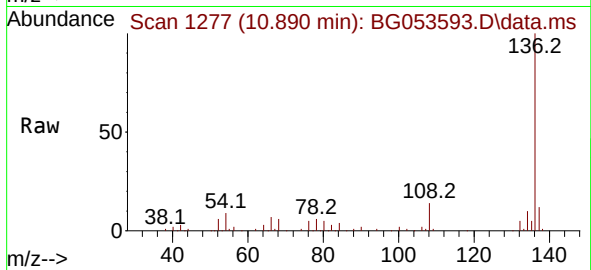




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.890 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

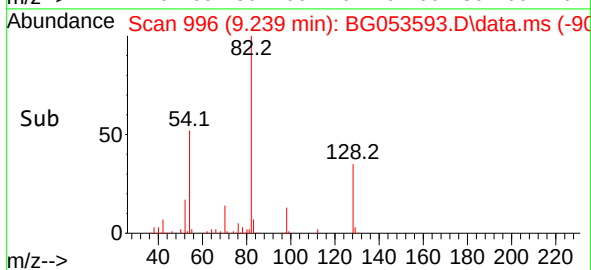
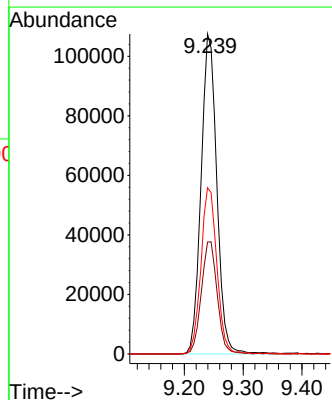
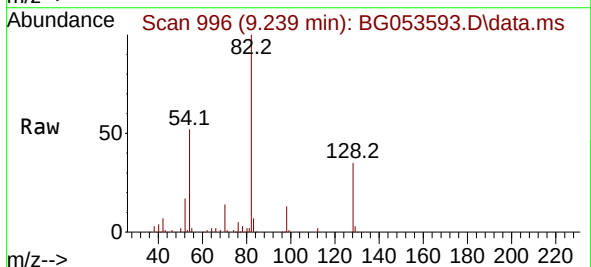
Instrument :
BNA_G
ClientSampleId :
SB11

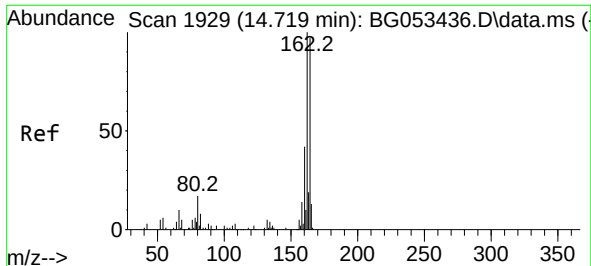
Tgt Ion:	136	Resp:	142545
Ion Ratio	Lower	Upper	
136	100		
137	12.1	8.5	12.7
54	9.3	7.4	11.2
68	6.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 59.615 ng
RT: 9.239 min Scan# 996
Delta R.T. -0.013 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

Tgt Ion:	82	Resp:	199628
Ion Ratio	Lower	Upper	
82	100		
128	34.9	27.9	41.9
54	52.0	41.2	61.8

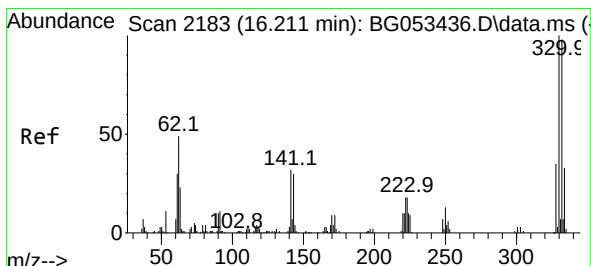
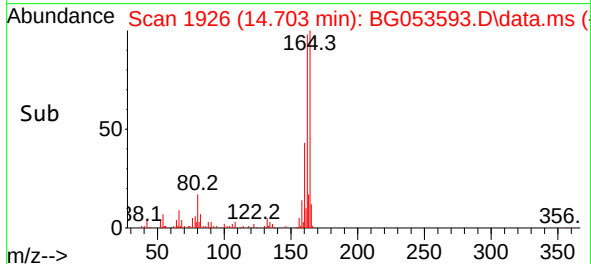
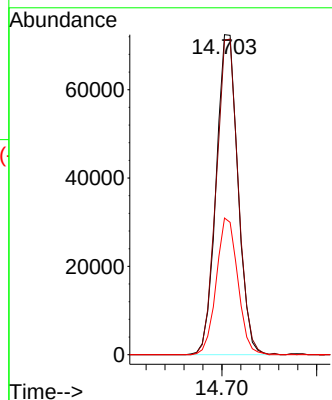
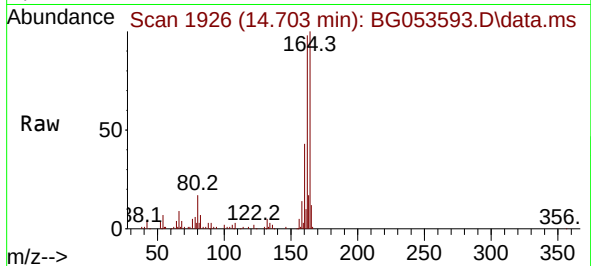




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1926
Delta R.T. -0.013 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

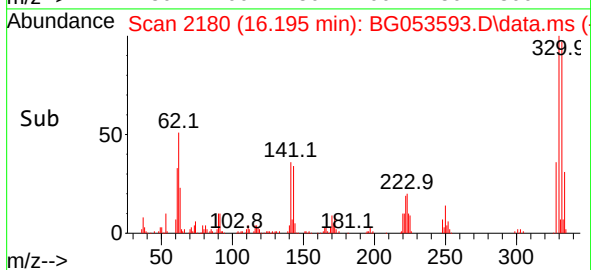
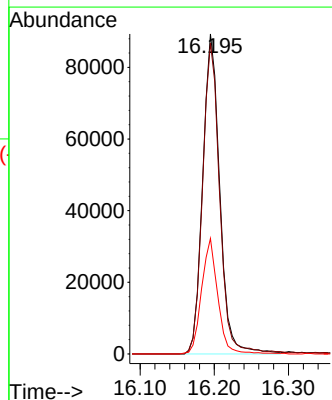
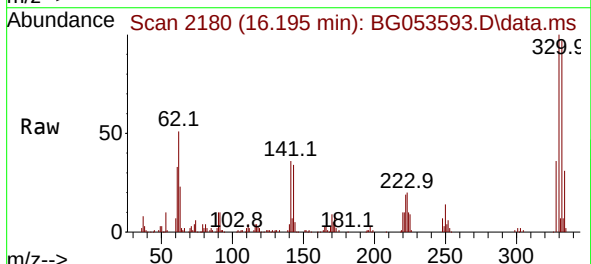
Instrument :
BNA_G
ClientSampleId :
SB11

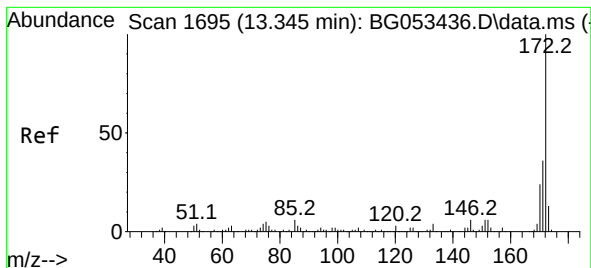
Tgt Ion:164 Resp: 115400
Ion Ratio Lower Upper
164 100
162 98.3 82.3 123.5
160 42.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 83.988 ng
RT: 16.195 min Scan# 2180
Delta R.T. -0.007 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

Tgt Ion:330 Resp: 142949
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 34.3 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 54.360 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG053593.D

Acq: 17 May 2022 21:02

Instrument :

BNA_G

ClientSampleId :

SB11

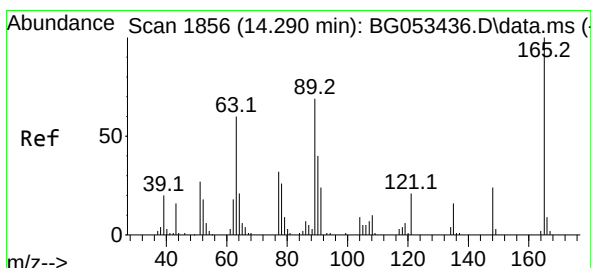
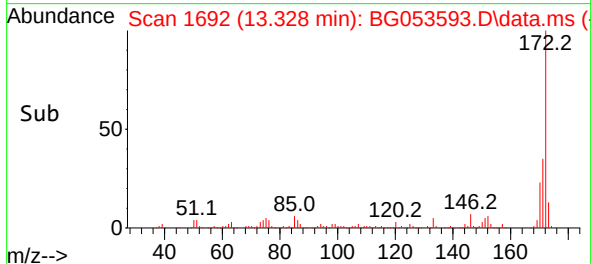
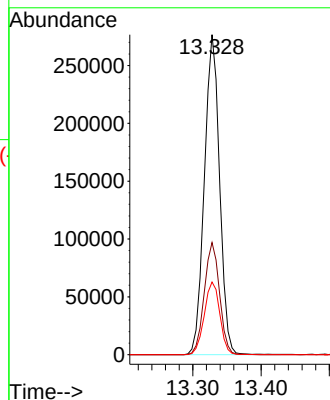
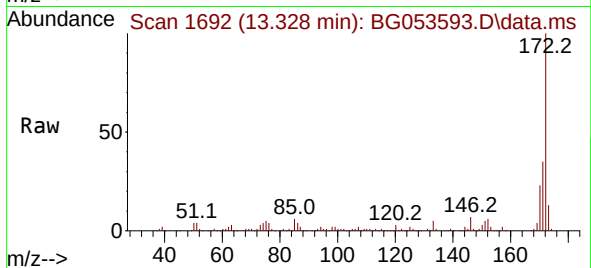
Tgt Ion:172 Resp: 429288

Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

170 22.7 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.178 ng

RT: 14.709 min Scan# 1927

Delta R.T. 0.427 min

Lab File: BG053593.D

Acq: 17 May 2022 21:02

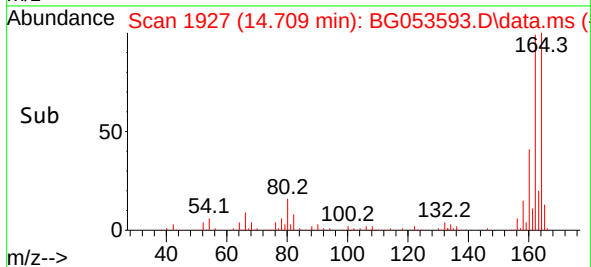
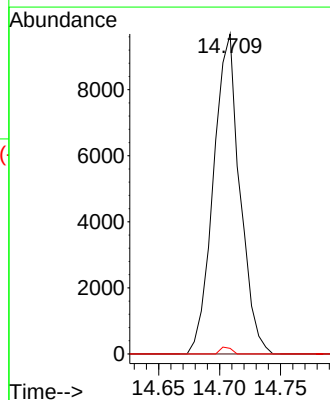
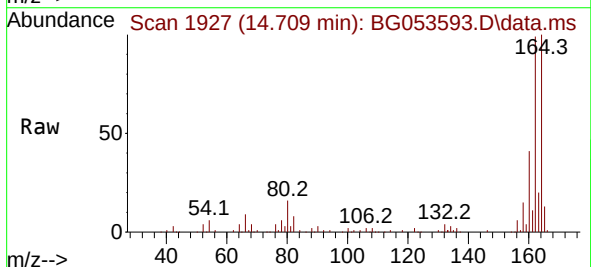
Tgt Ion:165 Resp: 14610

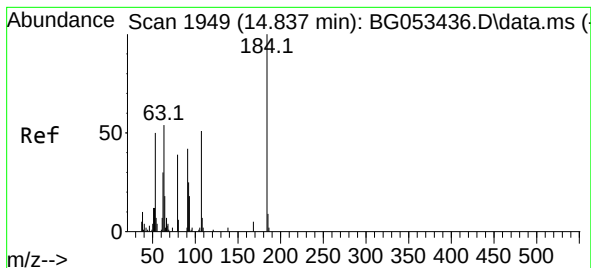
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 1.7 54.8 82.2#

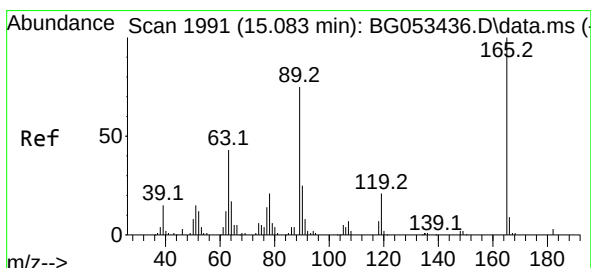
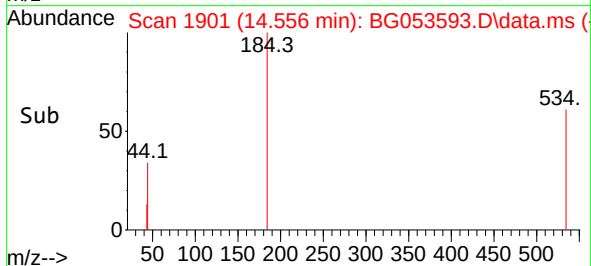
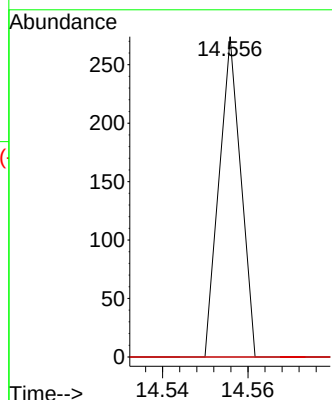
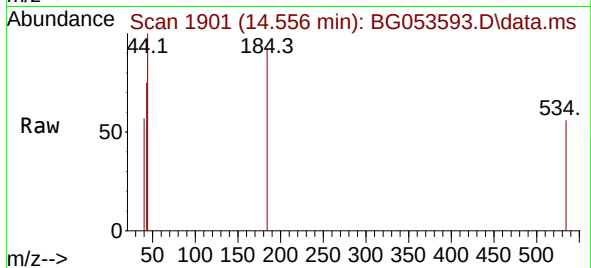




#54
2,4-Dinitrophenol
Concen: 6.323 ng
RT: 14.556 min Scan# 1901
Delta R.T. -0.277 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

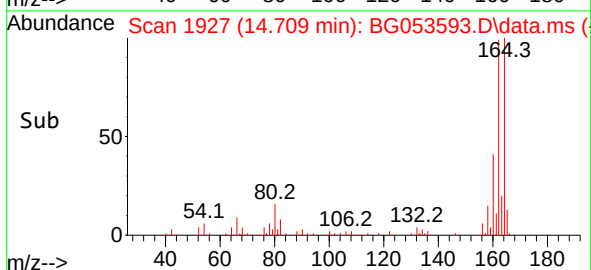
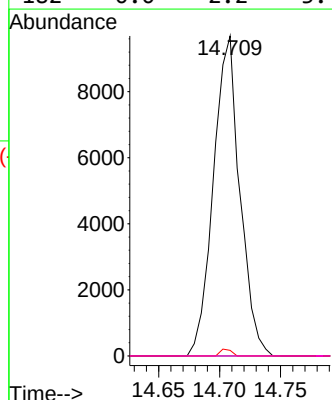
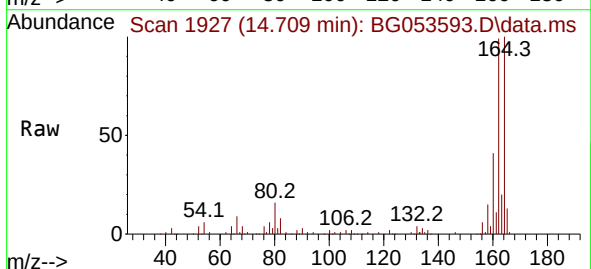
Instrument :
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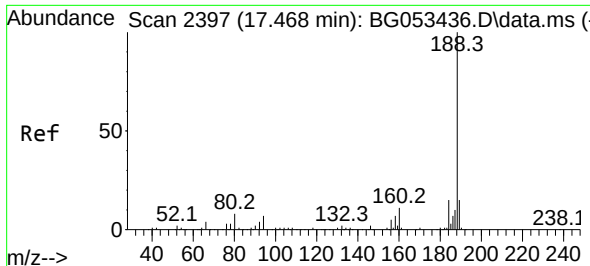
Tgt Ion:184 Resp: 97
Ion Ratio Lower Upper
184 100
63 0.0 61.1 91.7#
154 0.0 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 5.642 ng
RT: 14.709 min Scan# 1927
Delta R.T. -0.366 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

Tgt Ion:165 Resp: 14610
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 1.7 60.3 90.5#
182 0.0 2.2 3.4#

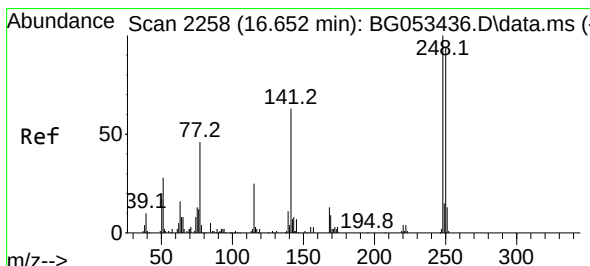
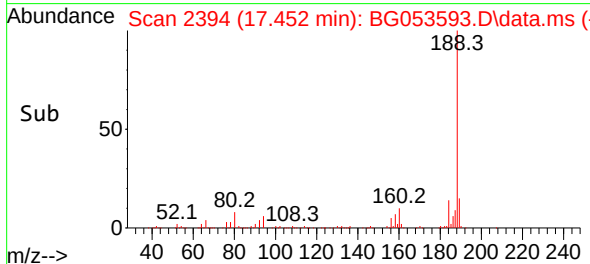
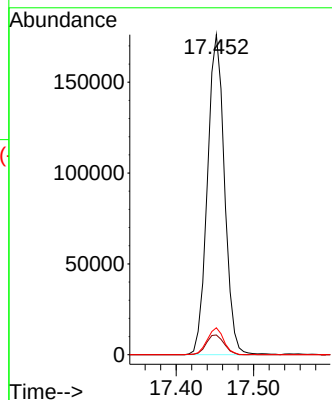
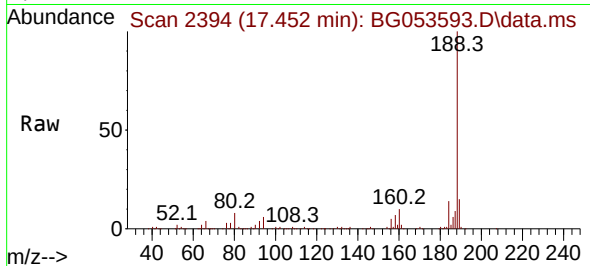




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.452 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

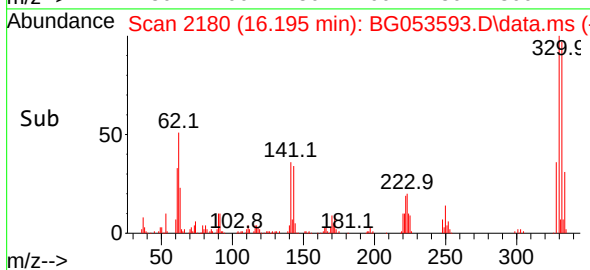
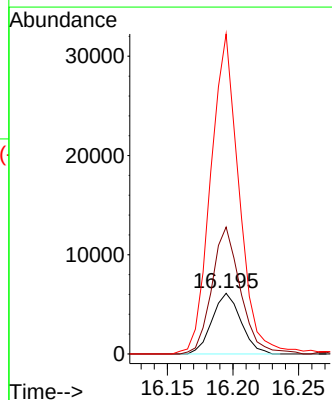
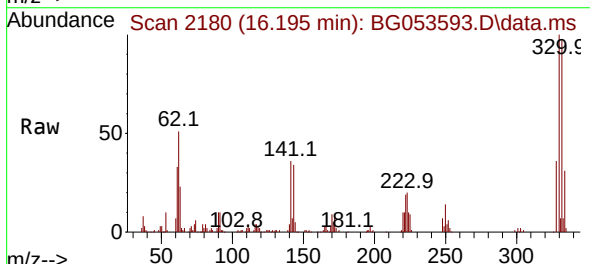
Instrument :
BNA_G
ClientSampleId :
SB11

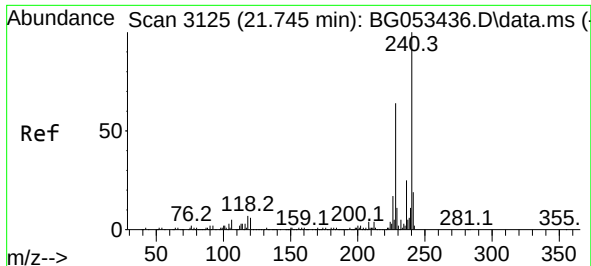
Tgt Ion:188 Resp: 269045
Ion Ratio Lower Upper
188 100
94 6.1 5.4 8.0
80 8.4 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 2.973 ng
RT: 16.195 min Scan# 2180
Delta R.T. -0.448 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

Tgt Ion:248 Resp: 9342
Ion Ratio Lower Upper
248 100
250 209.1 75.2 112.8#
141 527.4 50.0 75.0#

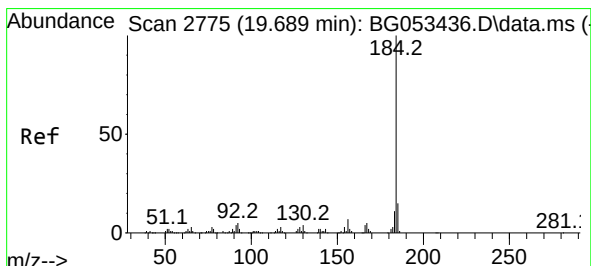
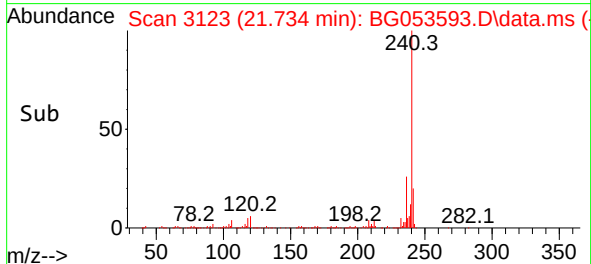
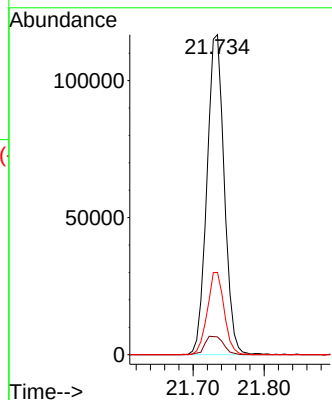
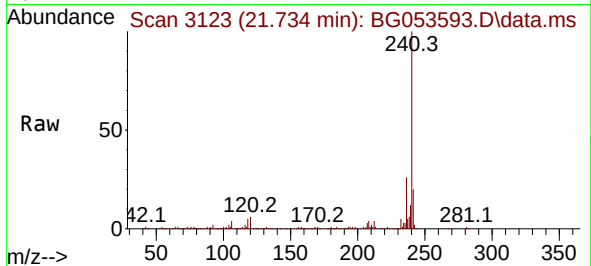




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.734 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

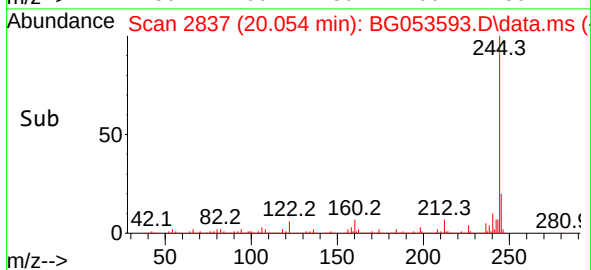
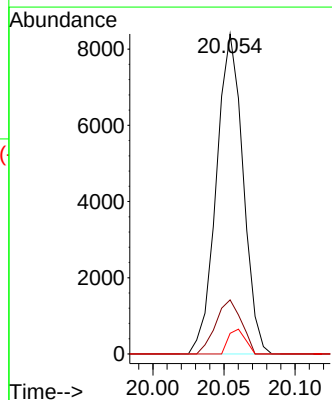
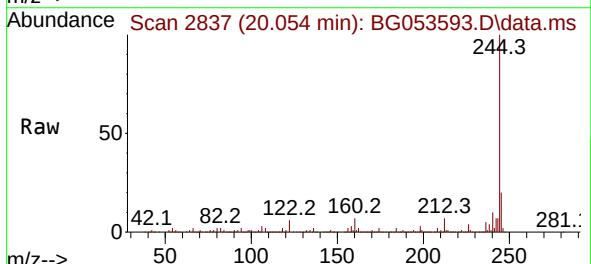
Instrument :
BNA_G
ClientSampleId :
SB11

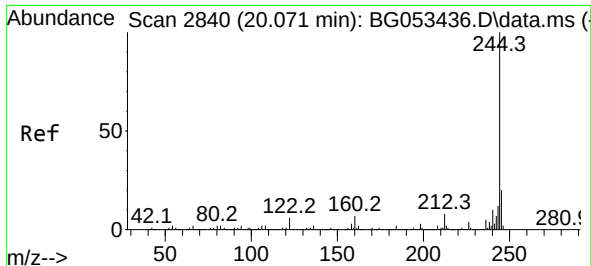
Tgt Ion:240 Resp: 197957
Ion Ratio Lower Upper
240 100
120 5.6 4.6 7.0
236 25.7 20.2 30.4



#77
Benzidine
Concen: 2.569 ng
RT: 20.054 min Scan# 2837
Delta R.T. 0.375 min
Lab File: BG053593.D
Acq: 17 May 2022 21:02

Tgt Ion:184 Resp: 10960
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.6
183 6.4 8.9 13.3#

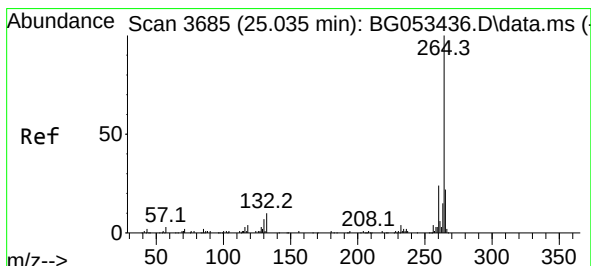
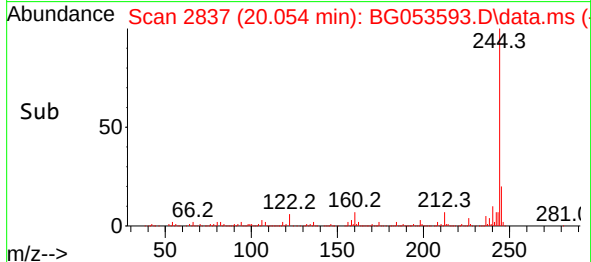
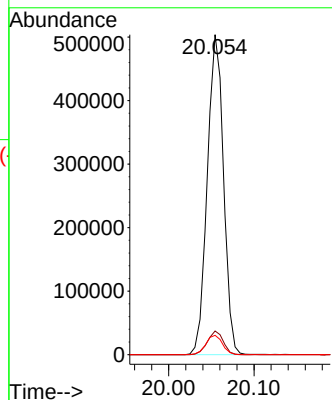
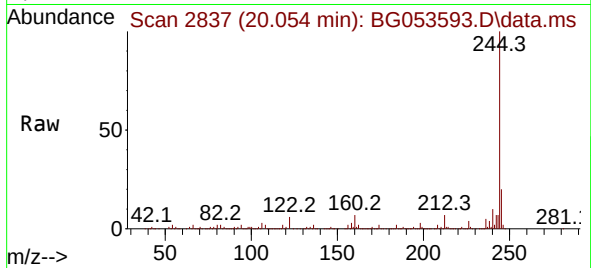




#79
 Terphenyl-d14
 Concen: 62.669 ng
 RT: 20.054 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG053593.D
 Acq: 17 May 2022 21:02

Instrument :
 BNA_G
 ClientSampleId :
 SB11

Tgt Ion:244 Resp: 666093
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.0 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.006 min Scan# 3680
 Delta R.T. -0.013 min
 Lab File: BG053593.D
 Acq: 17 May 2022 21:02

Tgt Ion:264 Resp: 199567
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.0 28.6
 265 20.6 17.4 26.2

