

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050522\
 Data File : BG053464.D
 Acq On : 5 May 2022 23:48
 Operator : CG/JU
 Sample : N2677-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-6,16

Quant Time: May 06 03:48:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 02:13:53 2022
 Response via : Initial Calibration

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

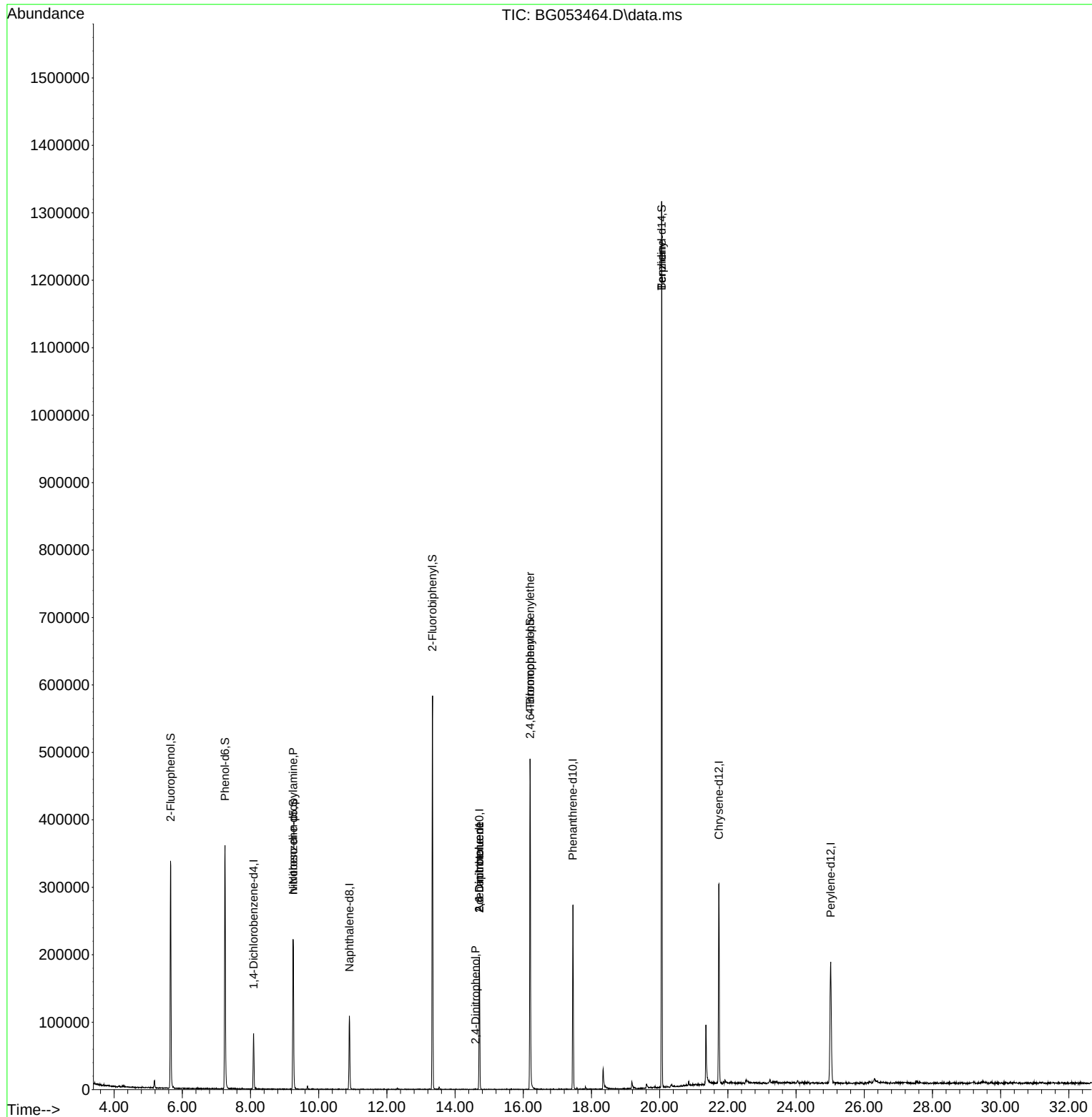
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.092	152	23300	20.000	ng	0.00
21) Naphthalene-d8	10.900	136	90143	20.000	ng	-0.01
39) Acenaphthene-d10	14.713	164	70697	20.000	ng	0.00
64) Phenanthrene-d10	17.456	188	177985	20.000	ng	-0.01
76) Chrysene-d12	21.739	240	201276	20.000	ng	0.00
86) Perylene-d12	25.016	264	203804	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.660	112	141739	103.240	ng	0.00
7) Phenol-d6	7.252	99	207479	99.578	ng	0.00
23) Nitrobenzene-d5	9.250	82	147472	69.641	ng	-0.01
42) 2,4,6-Tribromophenol	16.205	330	102396	98.203	ng	0.00
45) 2-Fluorobiphenyl	13.338	172	305749	63.197	ng	0.00
79) Terphenyl-d14	20.058	244	668393	61.848	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.250	70	19963	13.354	ng	# 78
51) 2,6-Dinitrotoluene	14.713	165	8877	8.110	ng	# 16
54) 2,4-Dinitrophenol	14.601	184	72	6.340	ng	# 11
57) 2,4-Dinitrotoluene	14.713	165	8877	5.595	ng	# 21
67) 4-Bromophenyl-phenylether	16.199	248	7210	3.469	ng	# 1
77) Benzidine	20.058	184	10580	2.439	ng	# 88

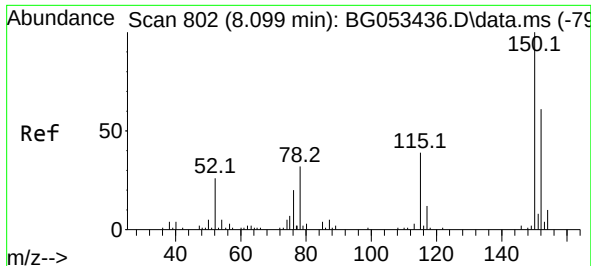
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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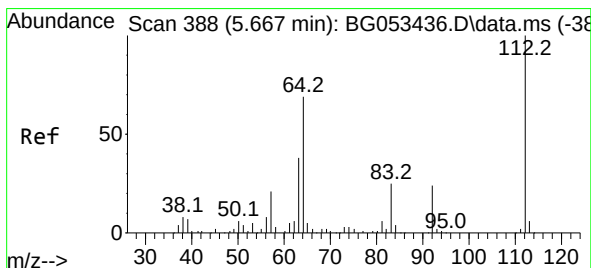
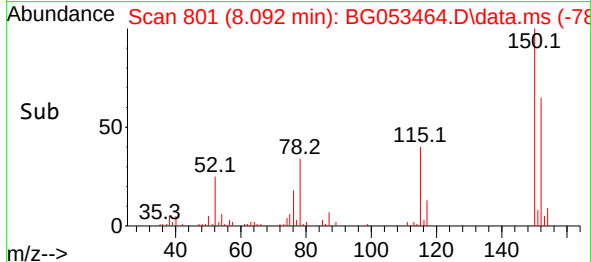
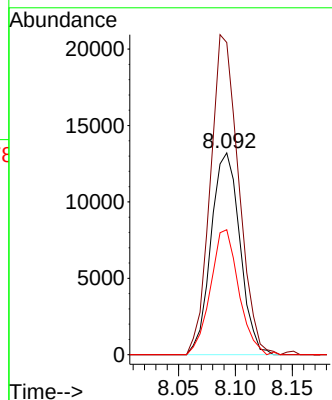
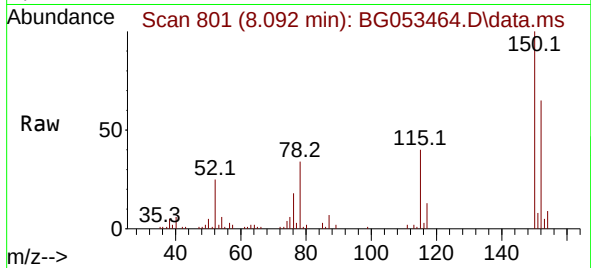




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.092 min Scan# 80
Delta R.T. -0.007 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

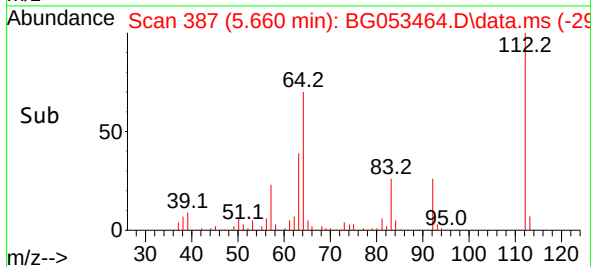
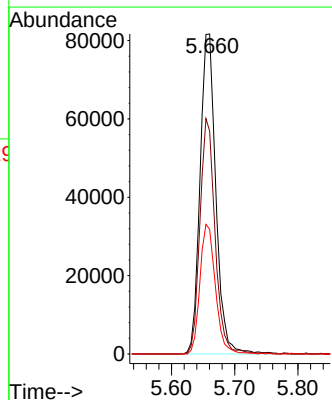
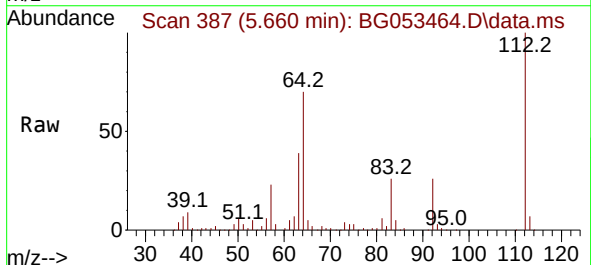
Instrument :
BNA_G
ClientSampleId :
SB-6,16

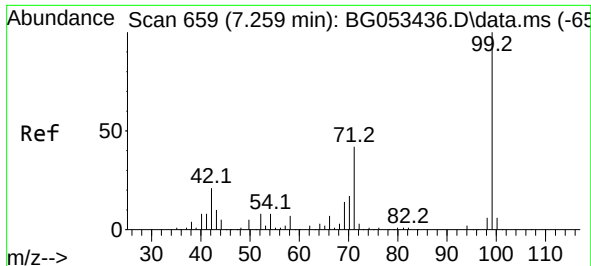
Tgt Ion:152 Resp: 23300
Ion Ratio Lower Upper
152 100
150 154.8 131.6 197.4
115 62.0 50.9 76.3



#5
2-Fluorophenol
Concen: 103.240 ng
RT: 5.660 min Scan# 387
Delta R.T. -0.007 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

Tgt Ion:112 Resp: 141739
Ion Ratio Lower Upper
112 100
64 69.6 55.1 82.7
63 39.0 30.4 45.6

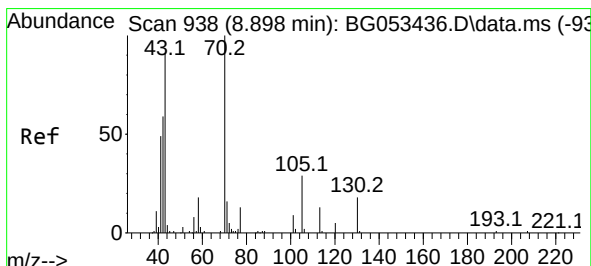
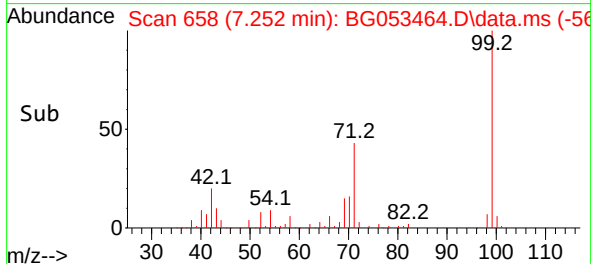
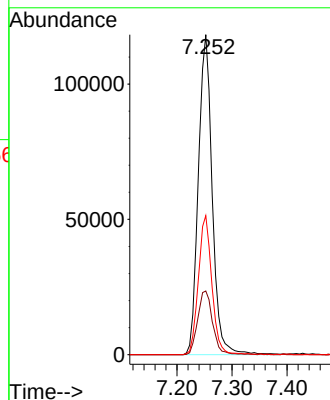
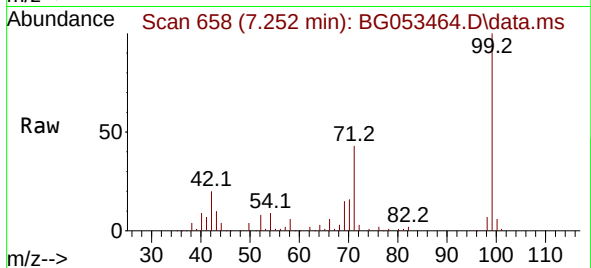




#7
Phenol-d6
Concen: 99.578 ng
RT: 7.252 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

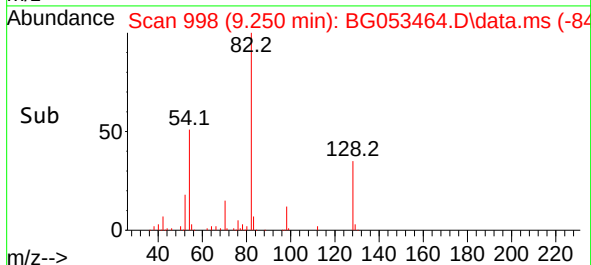
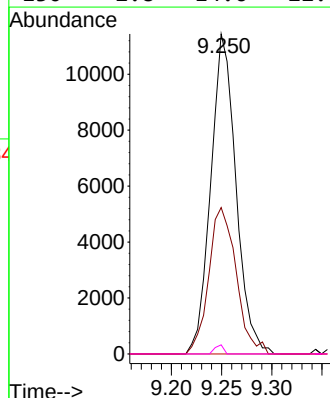
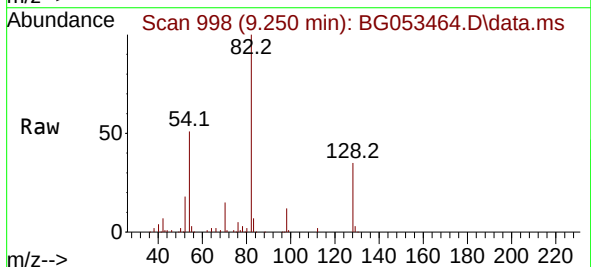
Instrument :
BNA_G
ClientSampleId :
SB-6,16

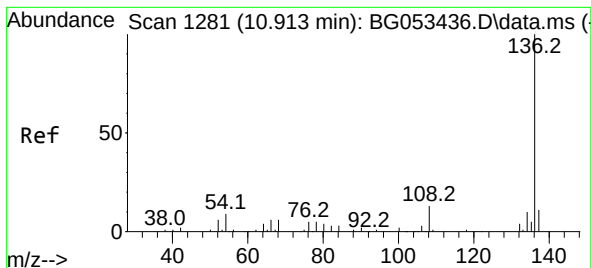
Tgt Ion: 99 Resp: 207479
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.6
71 43.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.354 ng
RT: 9.250 min Scan# 998
Delta R.T. 0.352 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

Tgt Ion: 70 Resp: 19963
Ion Ratio Lower Upper
70 100
42 45.7 47.3 70.9#
101 0.0 7.0 10.4#
130 2.8 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.900 min Scan# 11

Delta R.T. -0.013 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

Instrument :

BNA_G

ClientSampleId :

SB-6,16

Tgt Ion:136 Resp: 90143

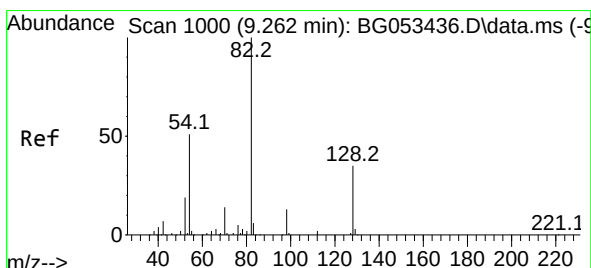
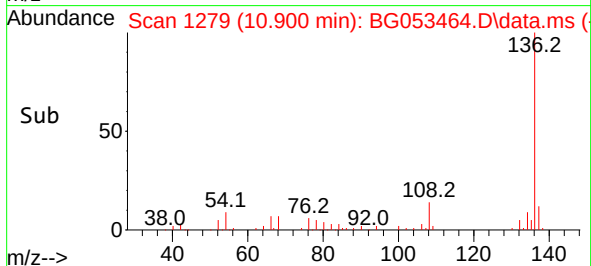
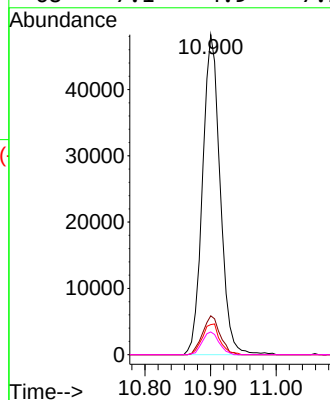
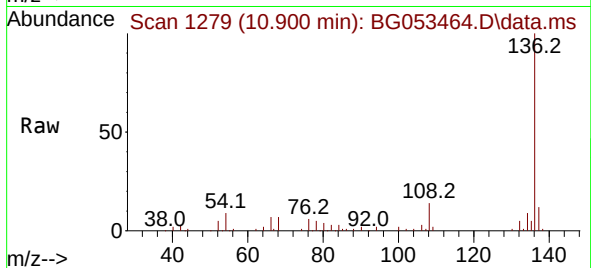
Ion Ratio Lower Upper

136 100

137 12.2 8.5 12.7

54 9.4 7.4 11.2

68 7.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 69.641 ng

RT: 9.250 min Scan# 998

Delta R.T. -0.012 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

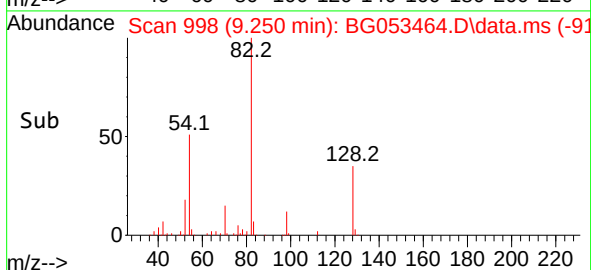
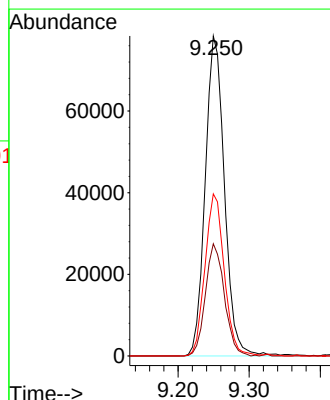
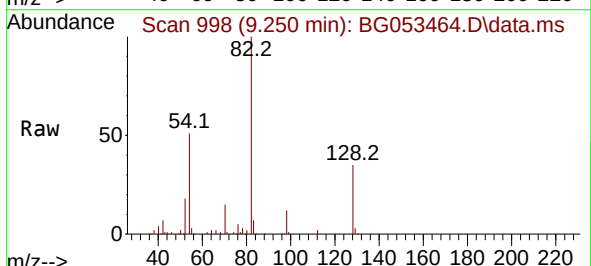
Tgt Ion: 82 Resp: 147472

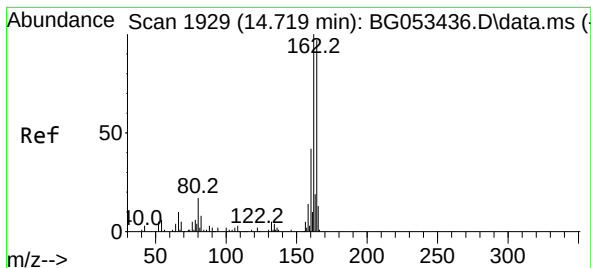
Ion Ratio Lower Upper

82 100

128 35.0 27.9 41.9

54 50.7 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.713 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

Instrument :

BNA_G

ClientSampleId :

SB-6,16

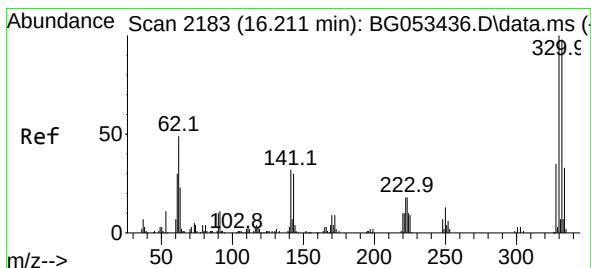
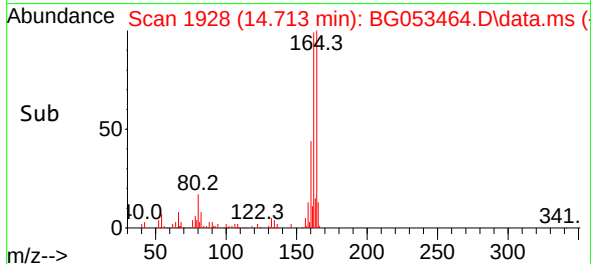
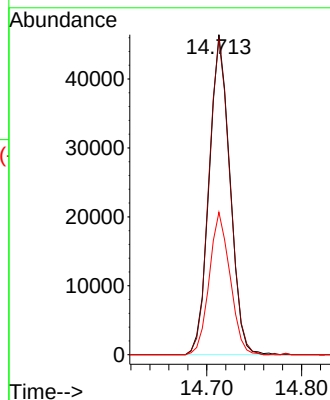
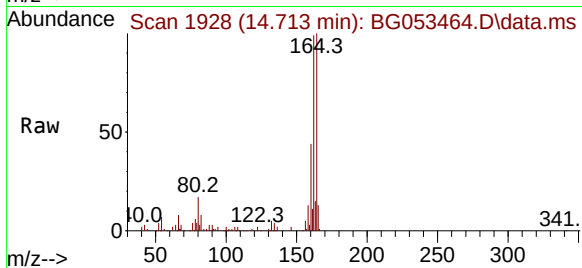
Tgt Ion:164 Resp: 70697

Ion Ratio Lower Upper

164 100

162 98.6 82.3 123.5

160 44.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 98.203 ng

RT: 16.205 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

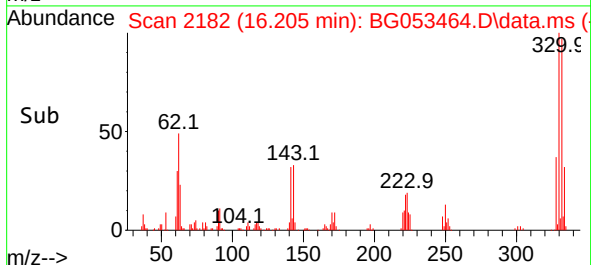
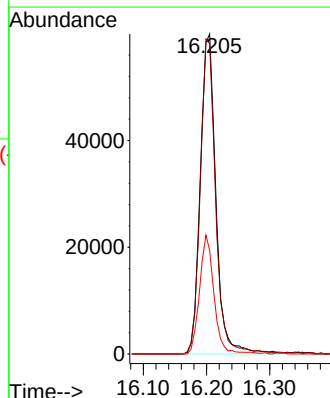
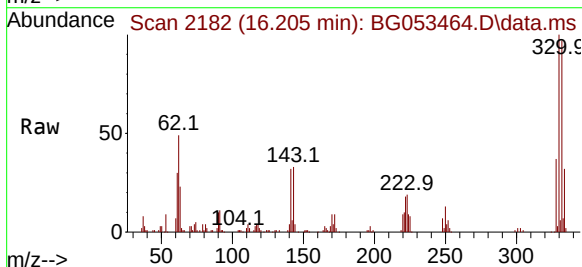
Tgt Ion:330 Resp: 102396

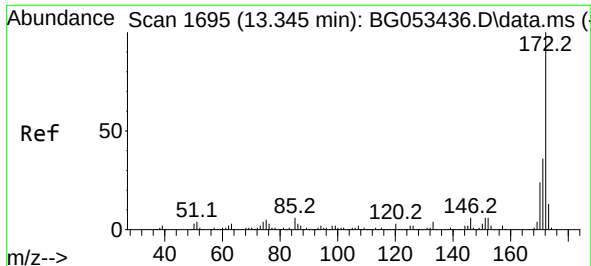
Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

141 34.5 27.1 40.7

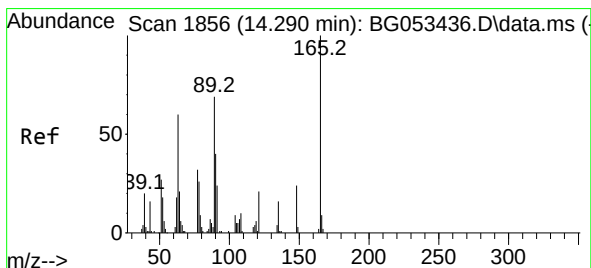
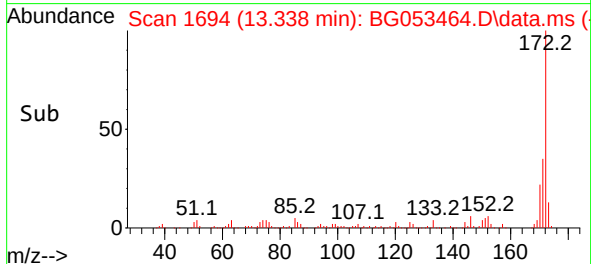
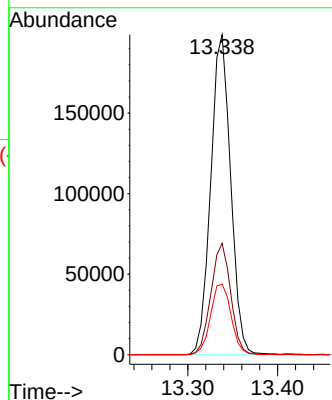
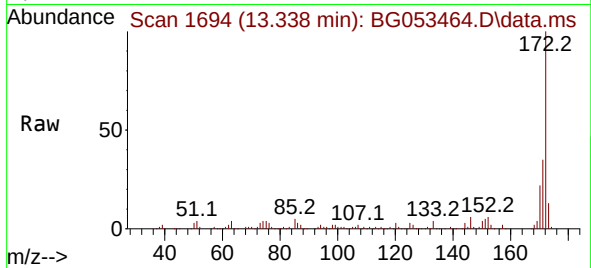




#45
2-Fluorobiphenyl
Concen: 63.197 ng
RT: 13.338 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

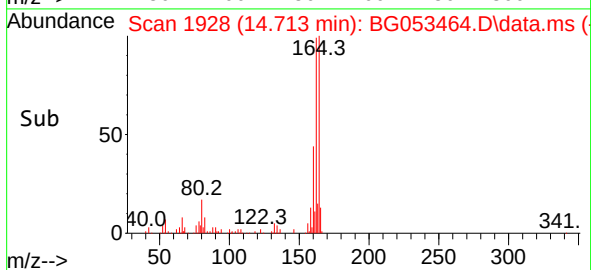
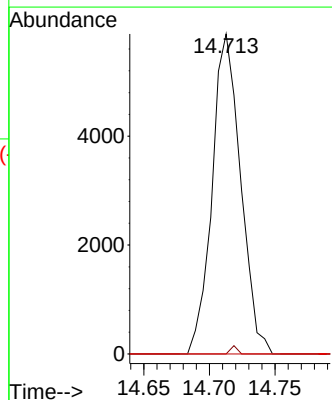
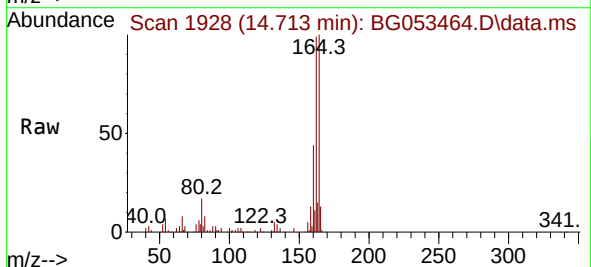
Instrument :
BNA_G
ClientSampleId :
SB-6,16

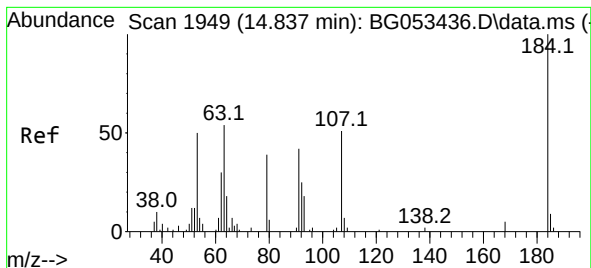
Tgt Ion:172 Resp: 305749
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.110 ng
RT: 14.713 min Scan# 1928
Delta R.T. 0.422 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

Tgt Ion:165 Resp: 8877
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

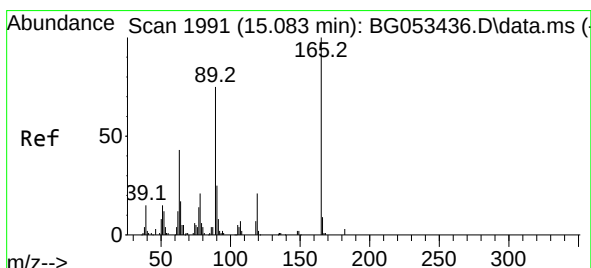
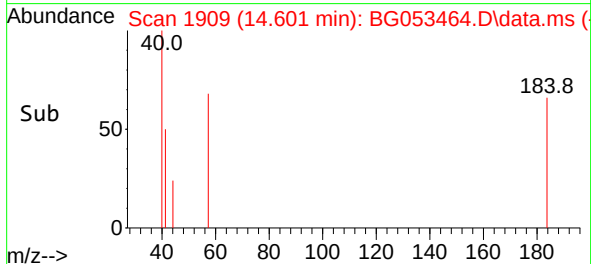
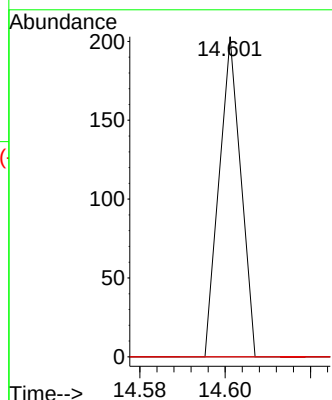
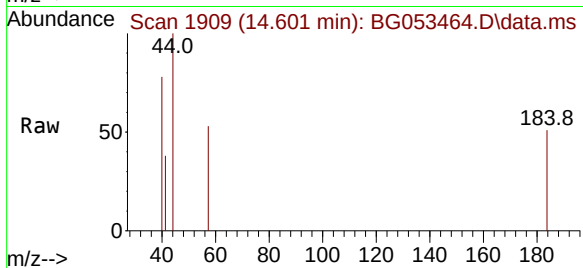




#54
2,4-Dinitrophenol
Concen: 6.340 ng
RT: 14.601 min Scan# 1949
Delta R.T. -0.236 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

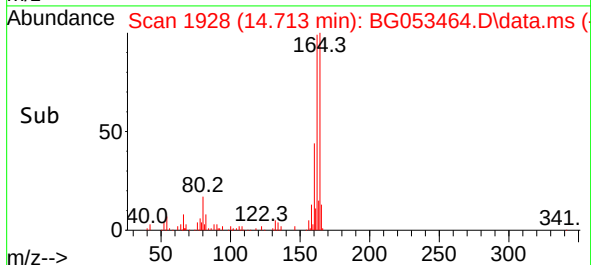
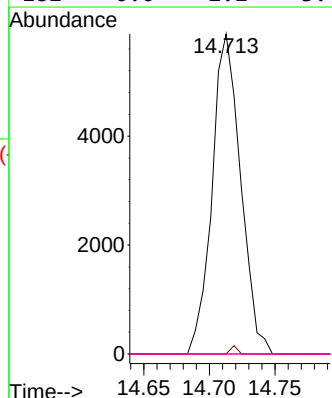
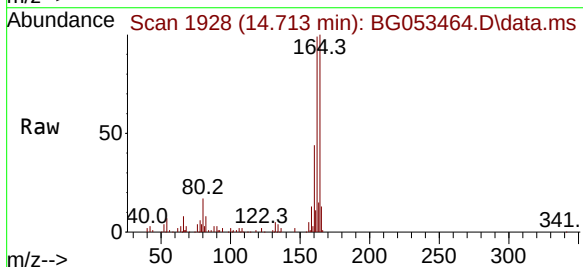
Instrument :
BNA_G
ClientSampleId :
SB-6,16

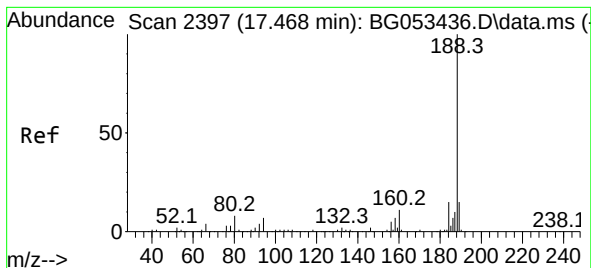
Tgt Ion:184 Resp: 72
Ion Ratio Lower Upper
184 100
63 0.0 61.1 91.7#
154 0.0 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 5.595 ng
RT: 14.713 min Scan# 1928
Delta R.T. -0.371 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

Tgt Ion:165 Resp: 8877
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: 17.456 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

Instrument :

BNA_G

ClientSampleId :

SB-6,16

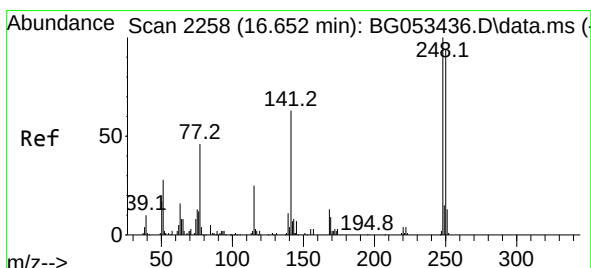
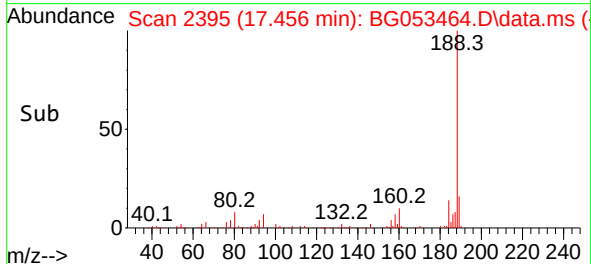
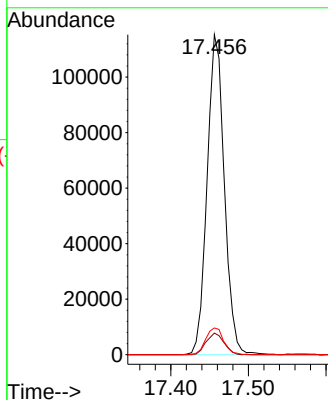
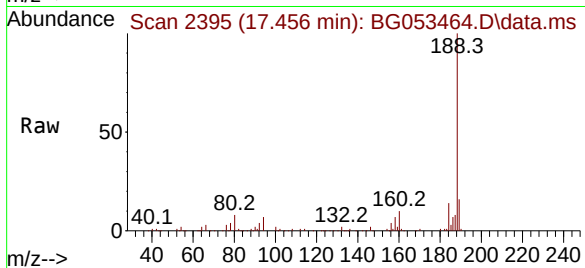
Tgt Ion:188 Resp: 177985

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.0

80 8.4 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 3.469 ng

RT: 16.199 min Scan# 2181

Delta R.T. -0.453 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

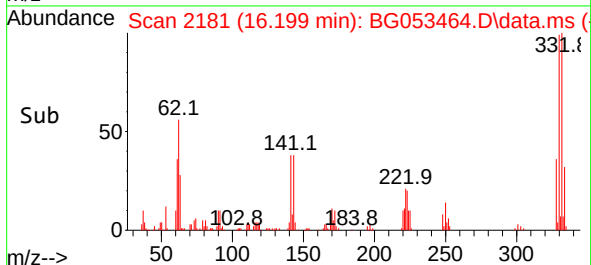
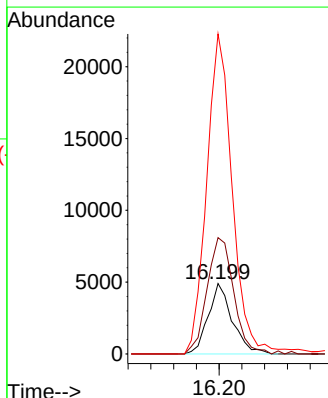
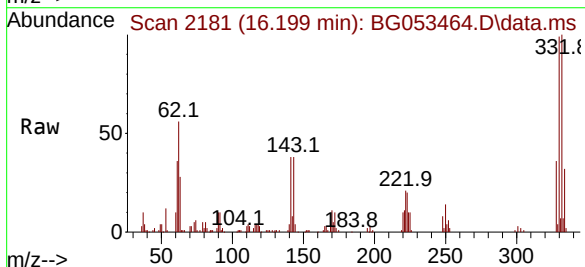
Tgt Ion:248 Resp: 7210

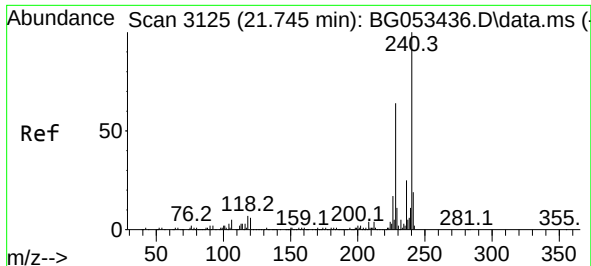
Ion Ratio Lower Upper

248 100

250 165.3 75.2 112.8#

141 454.7 50.0 75.0#

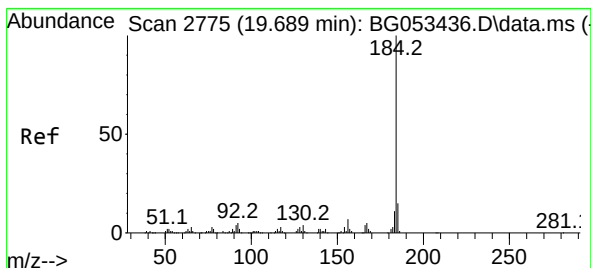
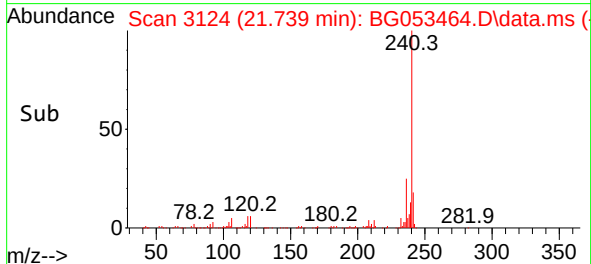
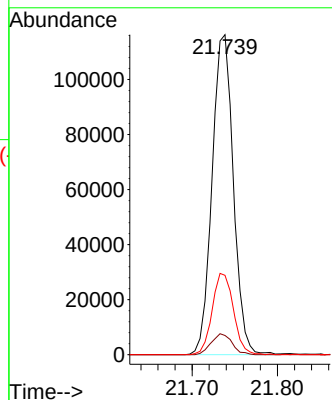
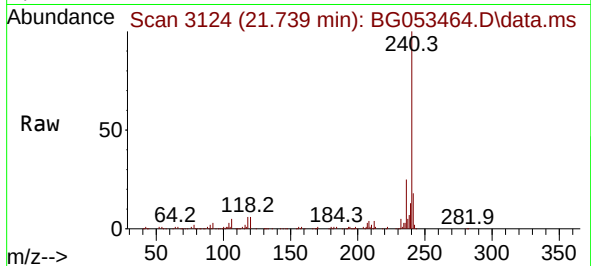




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.739 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

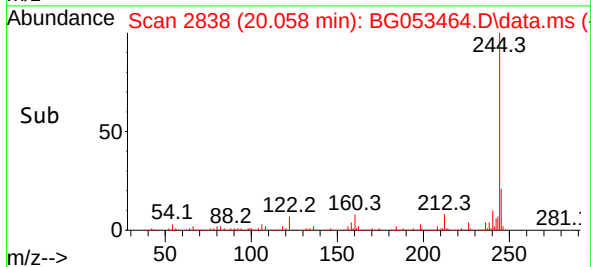
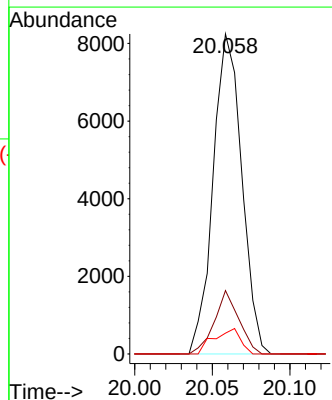
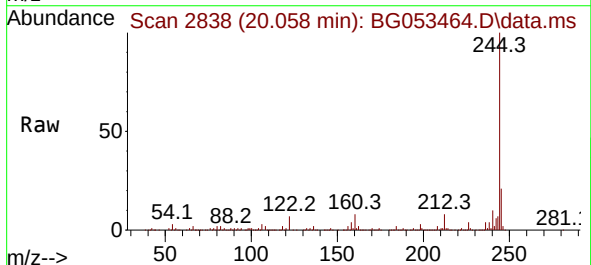
Instrument :
BNA_G
ClientSampleId :
SB-6,16

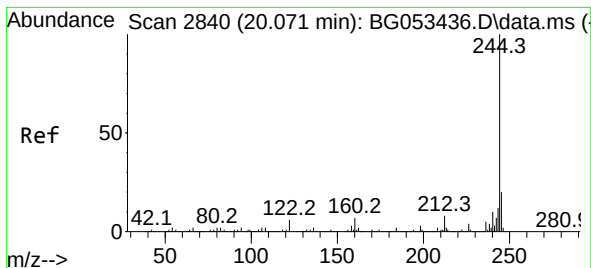
Tgt Ion:240 Resp: 201276
Ion Ratio Lower Upper
240 100
120 6.0 4.6 7.0
236 24.8 20.2 30.4



#77
Benzidine
Concen: 2.439 ng
RT: 20.058 min Scan# 2838
Delta R.T. 0.370 min
Lab File: BG053464.D
Acq: 5 May 2022 23:48

Tgt Ion:184 Resp: 10580
Ion Ratio Lower Upper
184 100
185 19.8 11.8 17.6#
183 6.5 8.9 13.3#





#79

Terphenyl-d14

Concen: 61.848 ng

RT: 20.058 min Scan# 21

Delta R.T. -0.013 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

Instrument :

BNA_G

ClientSampleId :

SB-6,16

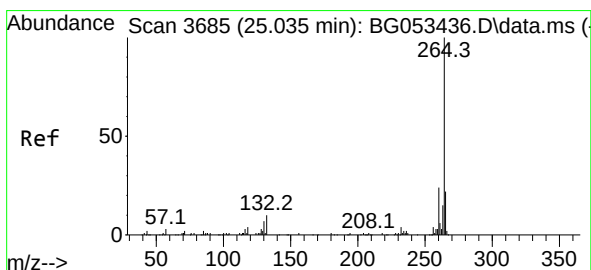
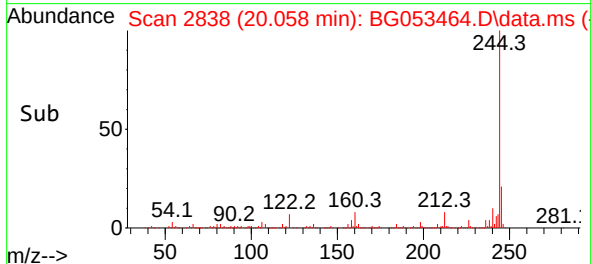
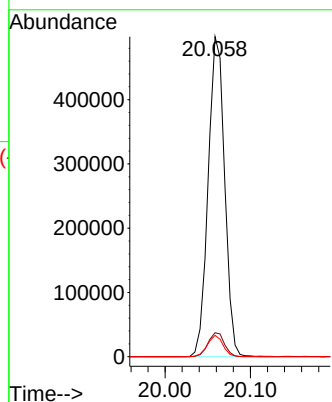
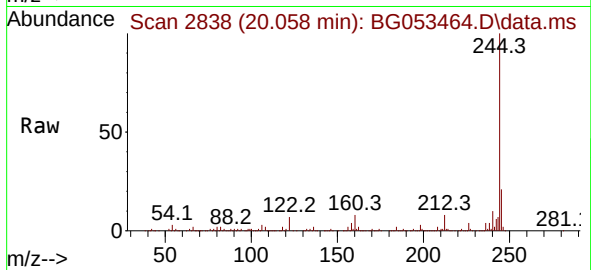
Tgt Ion:244 Resp: 668393

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 6.6 5.0 7.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.016 min Scan# 3682

Delta R.T. -0.018 min

Lab File: BG053464.D

Acq: 5 May 2022 23:48

Tgt Ion:264 Resp: 203804

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.0 17.4 26.2

