

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050522\
 Data File : BG053466.D
 Acq On : 6 May 2022 1:06
 Operator : CG/JU
 Sample : N2677-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-7,12

Quant Time: May 06 03:49:04 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)

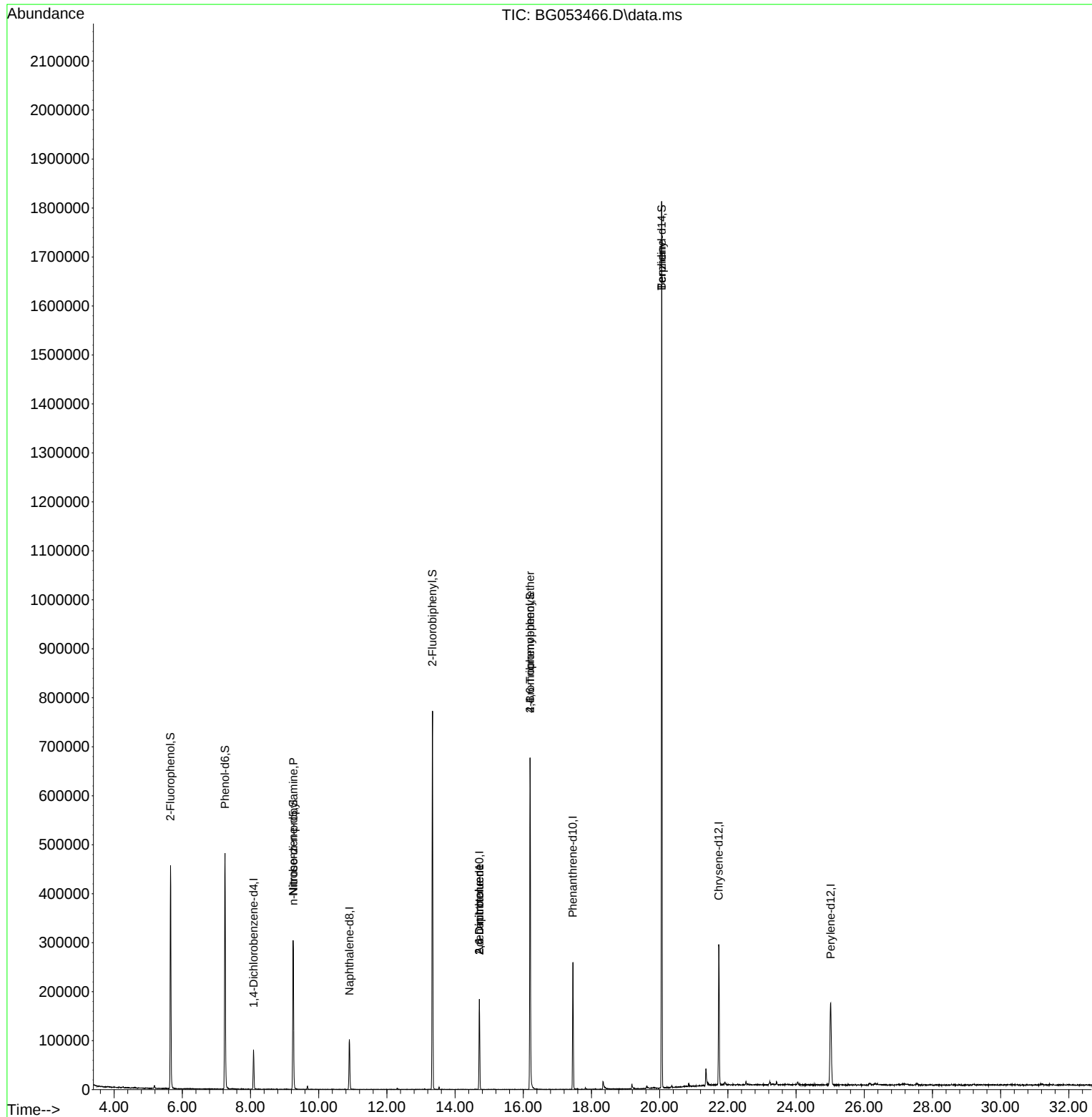
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	22122	20.000	ng	0.00
21) Naphthalene-d8	10.901	136	87659	20.000	ng	-0.01
39) Acenaphthene-d10	14.714	164	64809	20.000	ng	0.00
64) Phenanthrene-d10	17.457	188	166562	20.000	ng	-0.01
76) Chrysene-d12	21.733	240	188203	20.000	ng	-0.01
86) Perylene-d12	25.017	264	191610	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.655	112	183518	140.790	ng	-0.01
7) Phenol-d6	7.253	99	266953	134.944	ng	0.00
23) Nitrobenzene-d5	9.250	82	193644	94.036	ng	-0.01
42) 2,4,6-Tribromophenol	16.200	330	137230	143.567	ng	-0.01
45) 2-Fluorobiphenyl	13.339	172	414829	93.534	ng	0.00
79) Terphenyl-d14	20.059	244	903965	89.457	ng	-0.01
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.256	70	27234	19.187	ng	# 79
51) 2,6-Dinitrotoluene	14.714	165	8762	8.733	ng	# 18
57) 2,4-Dinitrotoluene	14.714	165	8762	6.025	ng	# 23
67) 4-Bromophenyl-phenylether	16.200	248	9313	4.788	ng	# 1
77) Benzidine	20.059	184	15518	3.825	ng	# 90

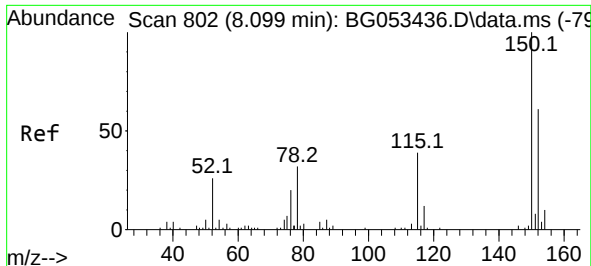
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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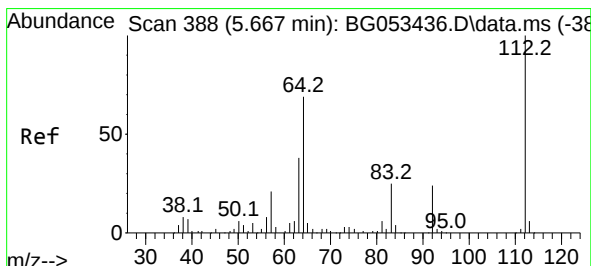
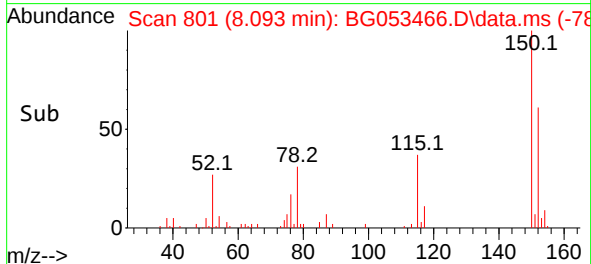
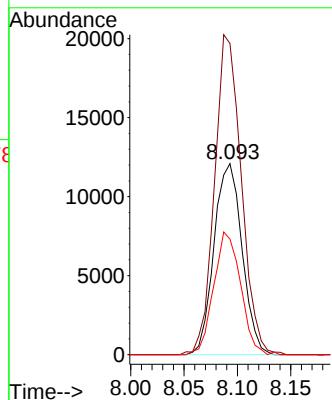
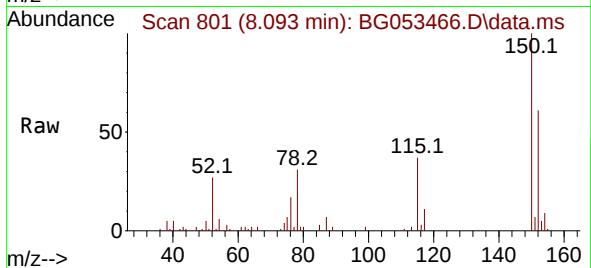




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 801
Delta R.T. -0.006 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

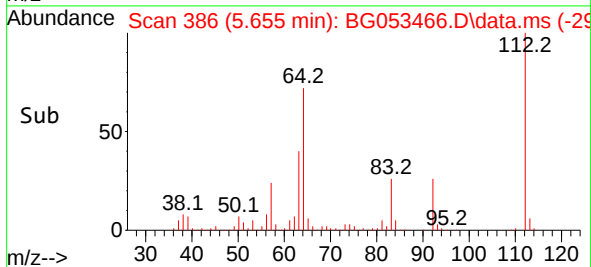
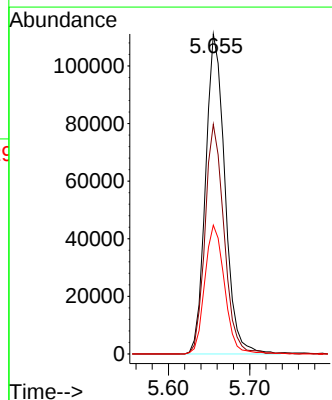
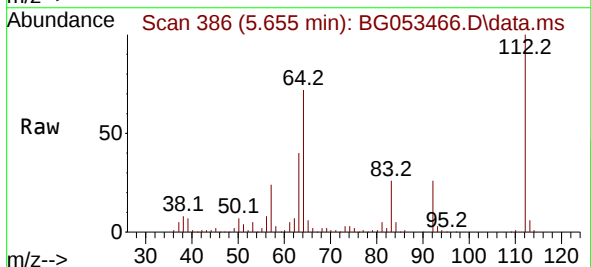
Instrument :
BNA_G
ClientSampleId :
SB-7,12

Tgt Ion:152 Resp: 22122
Ion Ratio Lower Upper
152 100
150 162.9 131.6 197.4
115 60.4 50.9 76.3



#5
2-Fluorophenol
Concen: 140.790 ng
RT: 5.655 min Scan# 386
Delta R.T. -0.012 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

Tgt Ion:112 Resp: 183518
Ion Ratio Lower Upper
112 100
64 71.8 55.1 82.7
63 40.2 30.4 45.6

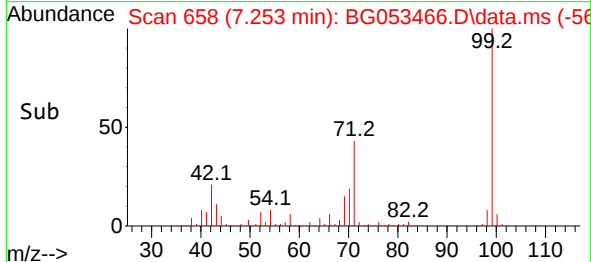
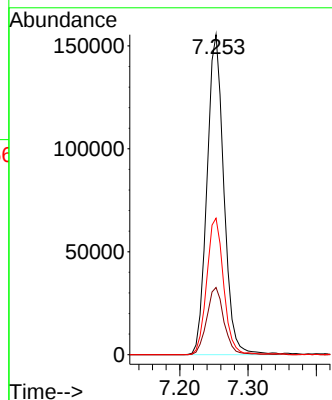
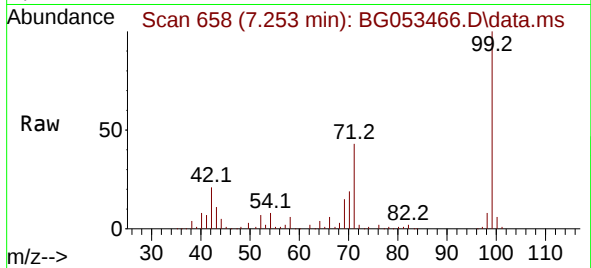




#7
Phenol-d6
Concen: 134.944 ng
RT: 7.253 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

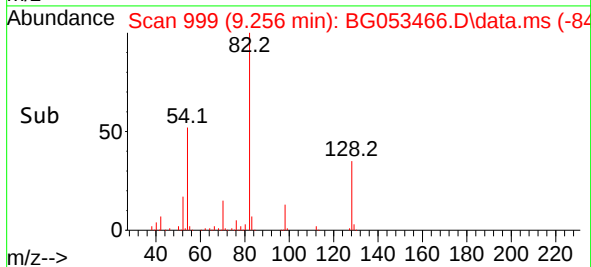
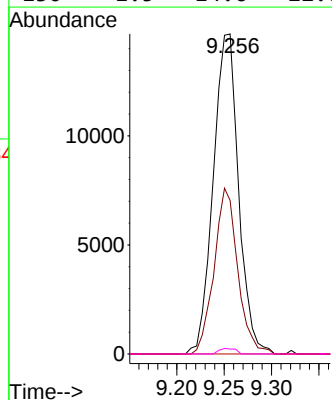
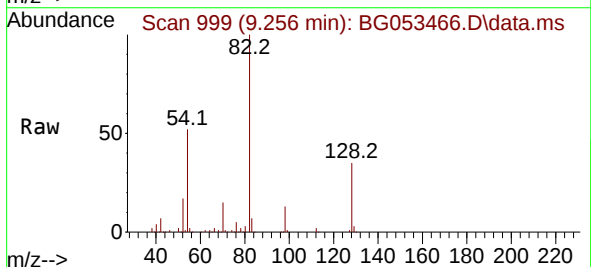
Instrument :
BNA_G
ClientSampleId :
SB-7,12

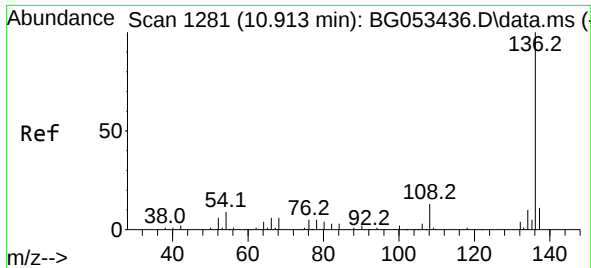
Tgt Ion: 99 Resp: 266953
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 42.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.187 ng
RT: 9.256 min Scan# 999
Delta R.T. 0.359 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

Tgt Ion: 70 Resp: 27234
Ion Ratio Lower Upper
70 100
42 47.9 47.3 70.9
101 0.0 7.0 10.4#
130 1.5 14.6 22.0#

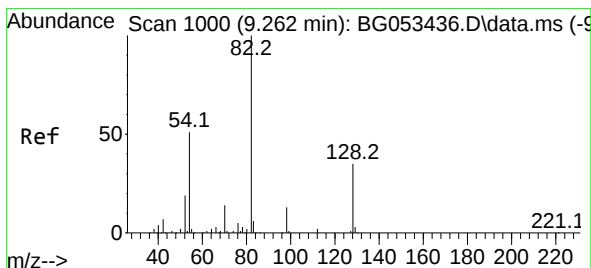
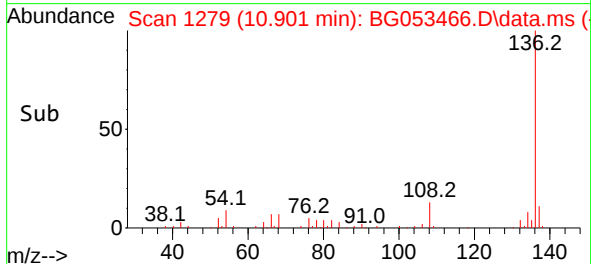
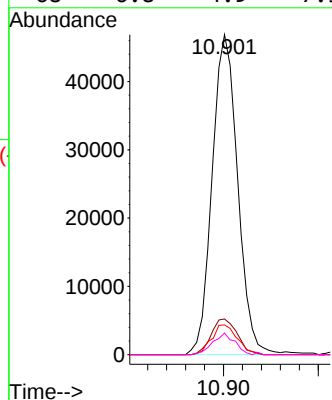
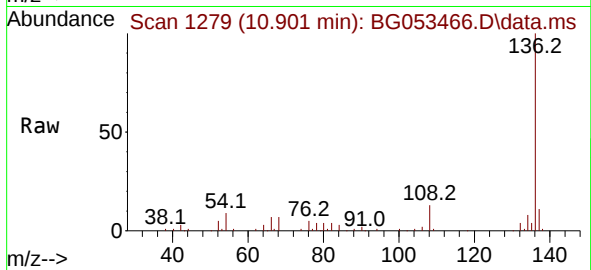




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.901 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

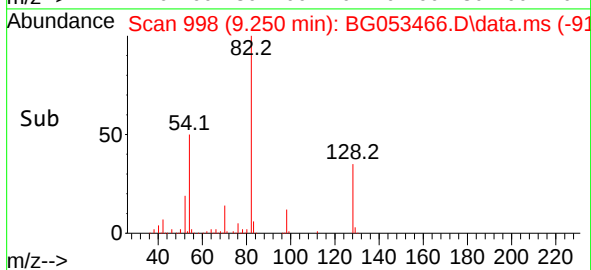
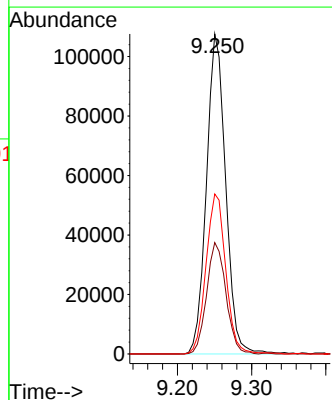
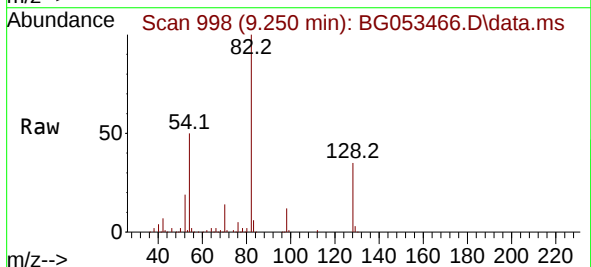
Instrument :
BNA_G
ClientSampleId :
SB-7,12

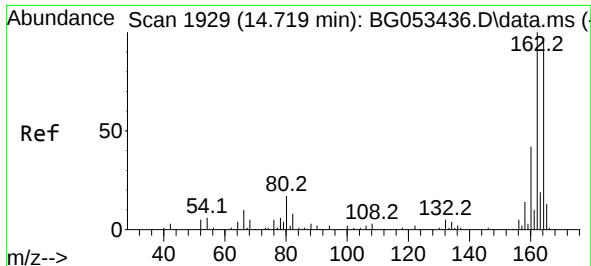
Tgt Ion:136	Resp:	87659
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.5 12.7
54	9.3	7.4 11.2
68	6.8	4.9 7.3



#23
Nitrobenzene-d5
Concen: 94.036 ng
RT: 9.250 min Scan# 998
Delta R.T. -0.012 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

Tgt Ion: 82	Resp:	193644
Ion Ratio	Lower	Upper
82	100	
128	34.8	27.9 41.9
54	50.0	41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.714 min Scan# 1928

Delta R.T. -0.005 min

Lab File: BG053466.D

Acq: 6 May 2022 1:06

Instrument :

BNA_G

ClientSampleId :

SB-7,12

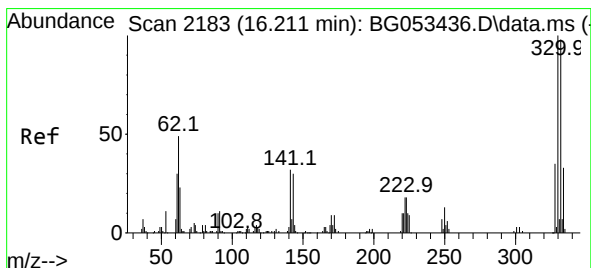
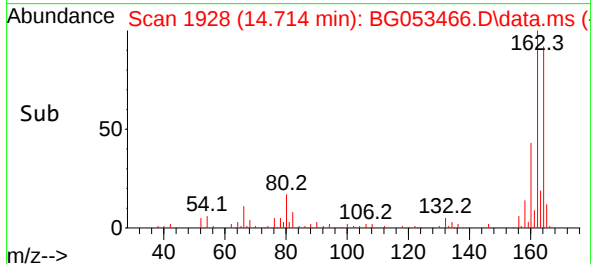
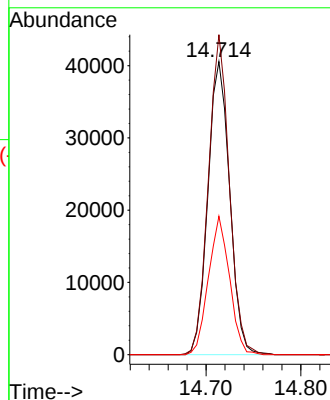
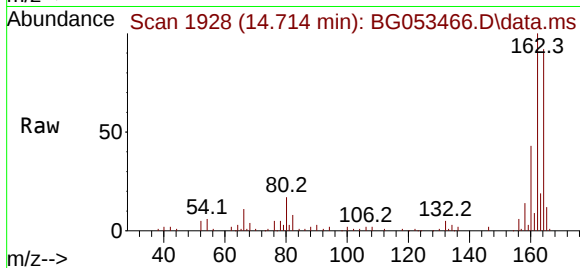
Tgt Ion:164 Resp: 64809

Ion Ratio Lower Upper

164 100

162 109.2 82.3 123.5

160 47.2 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 143.567 ng

RT: 16.200 min Scan# 2181

Delta R.T. -0.011 min

Lab File: BG053466.D

Acq: 6 May 2022 1:06

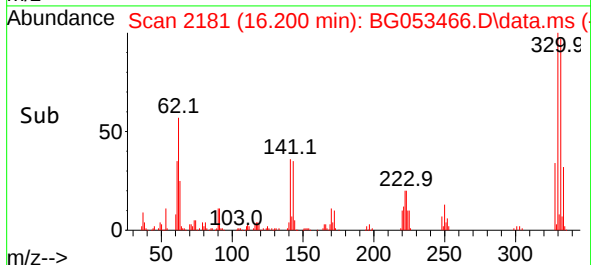
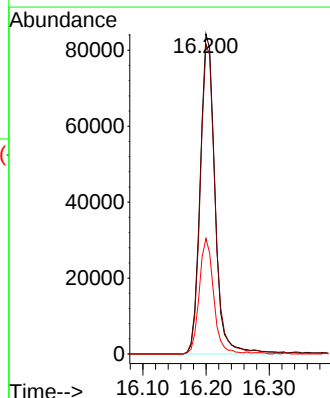
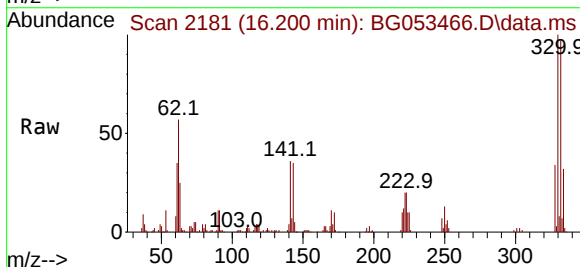
Tgt Ion:330 Resp: 137230

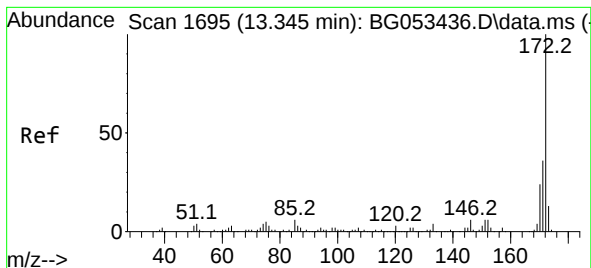
Ion Ratio Lower Upper

330 100

332 96.1 76.0 114.0

141 34.9 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 93.534 ng

RT: 13.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG053466.D

Acq: 6 May 2022 1:06

Instrument :

BNA_G

ClientSampleId :

SB-7,12

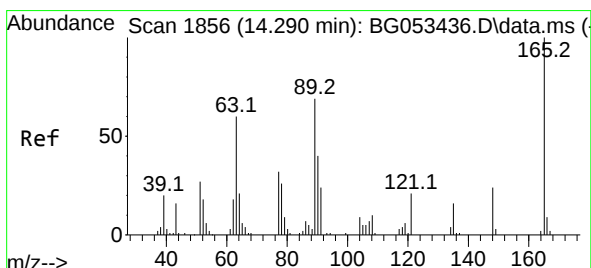
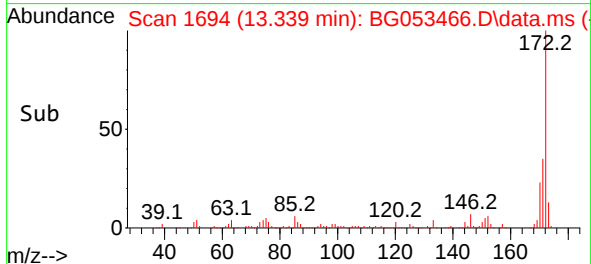
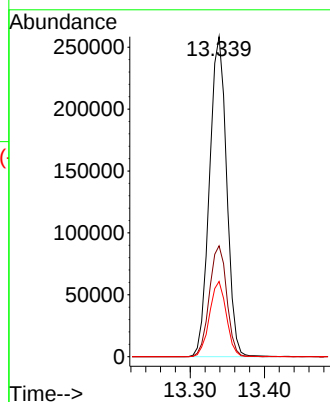
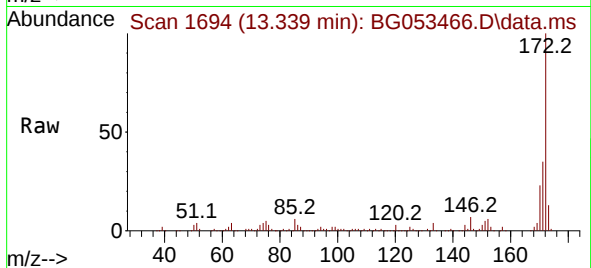
Tgt Ion:172 Resp: 414829

Ion Ratio Lower Upper

172 100

171 34.6 28.5 42.7

170 23.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.733 ng

RT: 14.714 min Scan# 1928

Delta R.T. 0.423 min

Lab File: BG053466.D

Acq: 6 May 2022 1:06

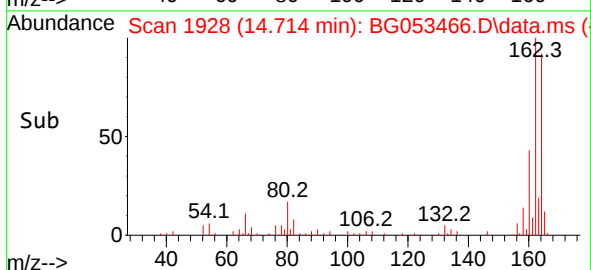
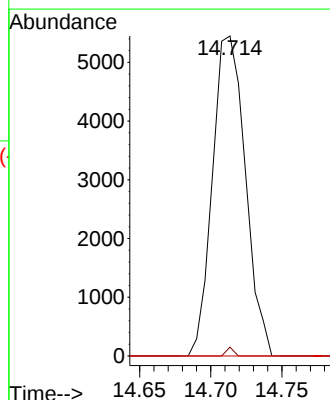
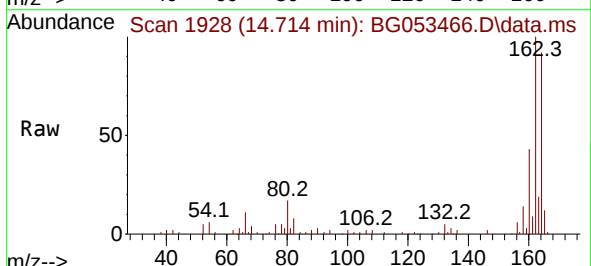
Tgt Ion:165 Resp: 8762

Ion Ratio Lower Upper

165 100

63 2.8 54.1 81.1#

89 0.0 54.8 82.2#

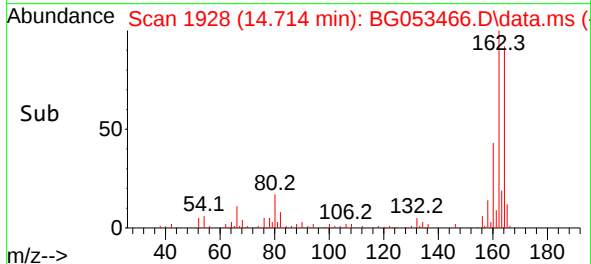
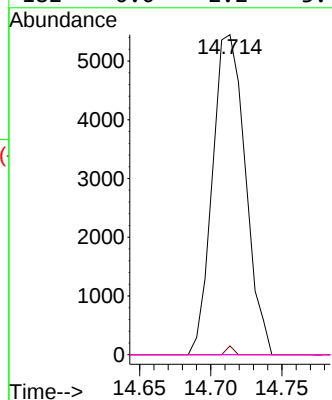
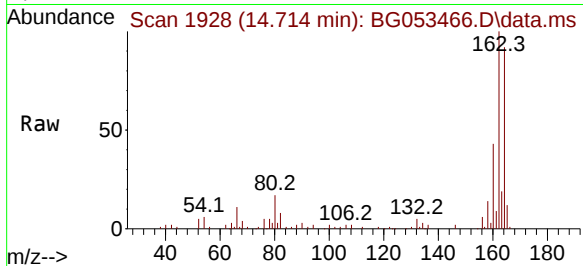




#57
2,4-Dinitrotoluene
Concen: 6.025 ng
RT: 14.714 min Scan# 1928
Delta R.T. -0.370 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

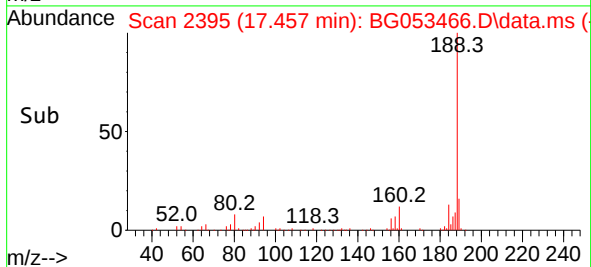
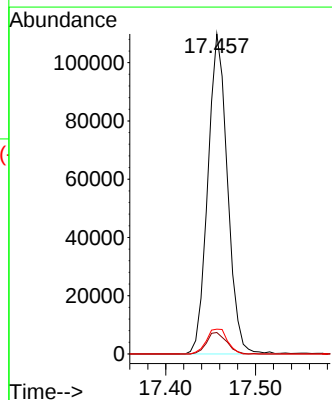
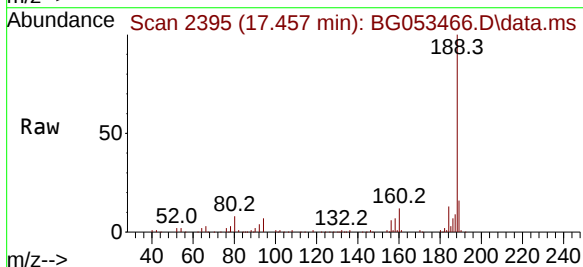
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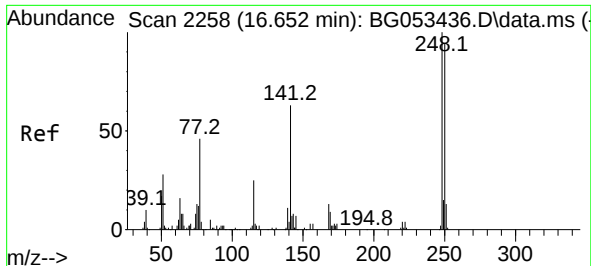
Tgt Ion:165 Resp: 8762
Ion Ratio Lower Upper
165 100
63 2.8 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.457 min Scan# 2395
Delta R.T. -0.012 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

Tgt Ion:188 Resp: 166562
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.0
80 7.8 6.8 10.2

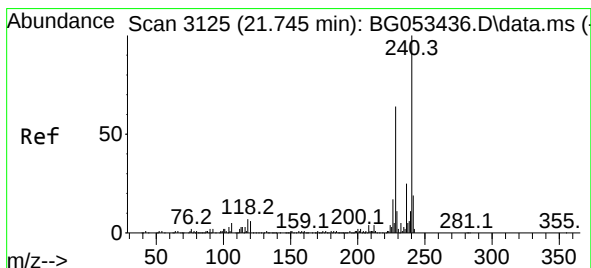
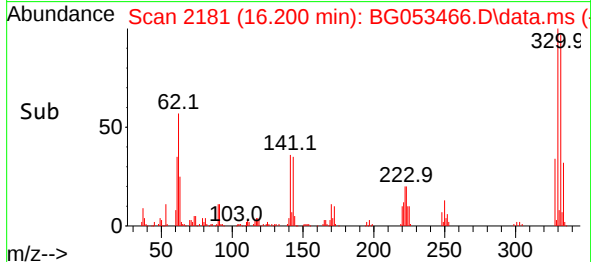
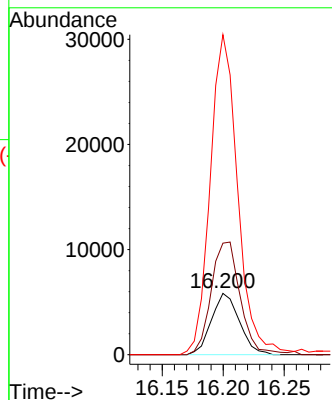
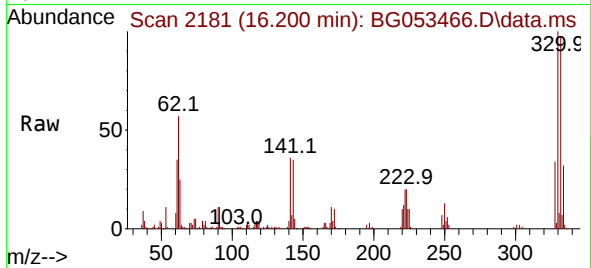




#67
4-Bromophenyl-phenylether
Concen: 4.788 ng
RT: 16.200 min Scan# 2181
Delta R.T. -0.452 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

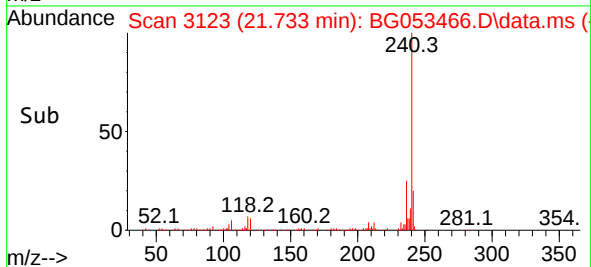
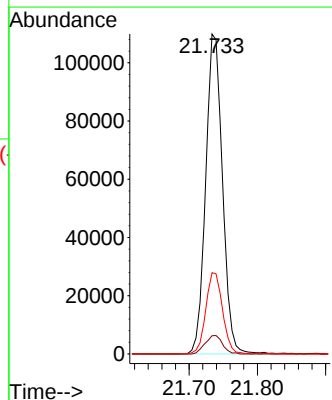
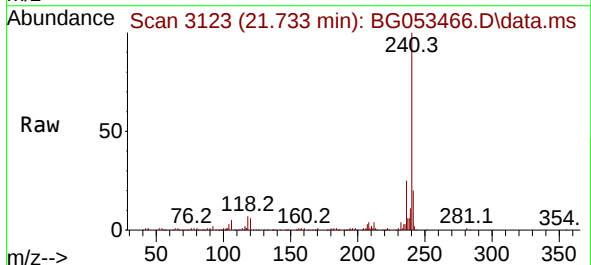
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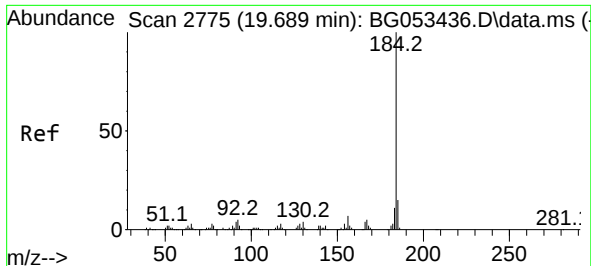
Tgt Ion:248 Resp: 9313
Ion Ratio Lower Upper
248 100
250 181.9 75.2 112.8#
141 521.5 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.733 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

Tgt Ion:240 Resp: 188203
Ion Ratio Lower Upper
240 100
120 5.7 4.6 7.0
236 25.4 20.2 30.4

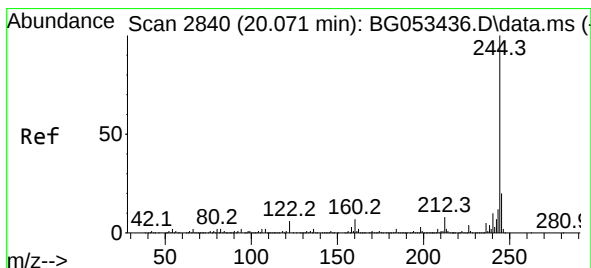
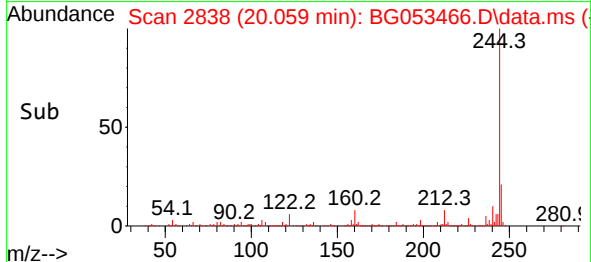
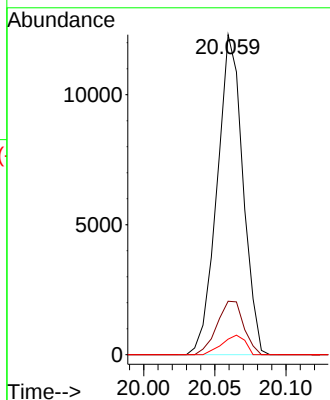
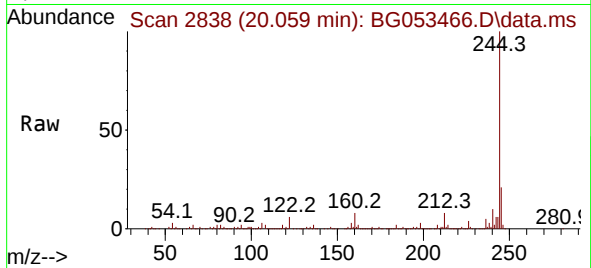




#77
Benzidine
Concen: 3.825 ng
RT: 20.059 min Scan# 21
Delta R.T. 0.370 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

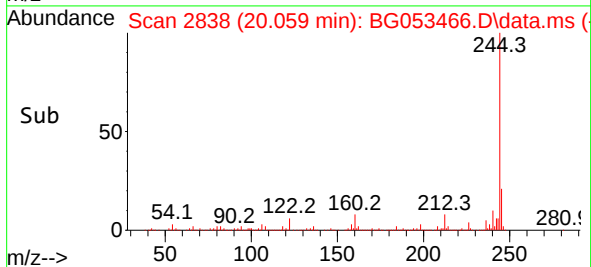
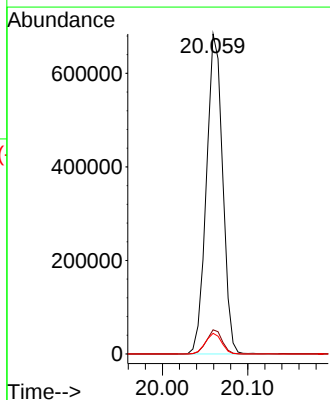
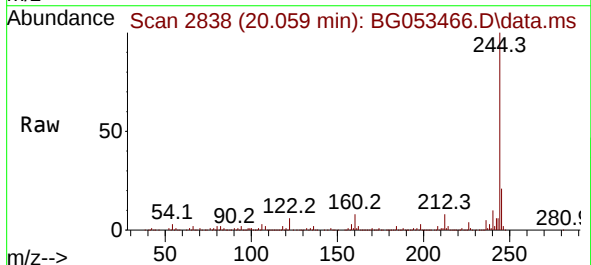
Instrument :
BNA_G
ClientSampleId :
SB-7,12

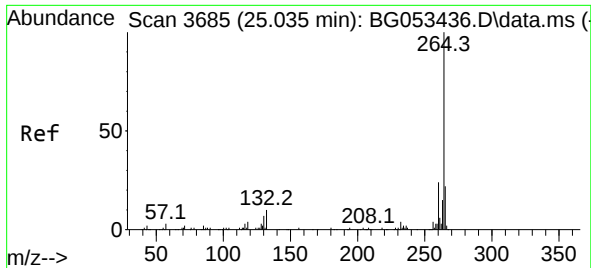
Tgt Ion:184 Resp: 15518
Ion Ratio Lower Upper
184 100
185 16.7 11.8 17.6
183 4.8 8.9 13.3#



#79
Terphenyl-d14
Concen: 89.457 ng
RT: 20.059 min Scan# 2838
Delta R.T. -0.012 min
Lab File: BG053466.D
Acq: 6 May 2022 1:06

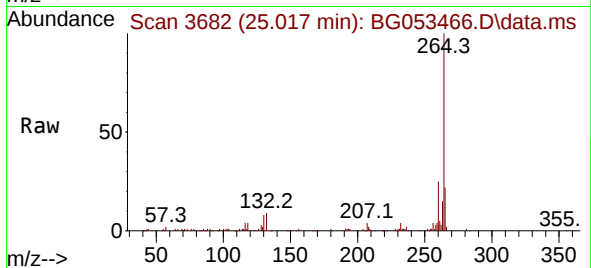
Tgt Ion:244 Resp: 903965
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 6.4 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.017 min Scan# 30
 Delta R.T. -0.017 min
 Lab File: BG053466.D
 Acq: 6 May 2022 1:06

Instrument :
 BNA_G
 ClientSampleId :
 SB-7,12



Tgt Ion:	264	Resp:	191610
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.0	28.6
265	21.6	17.4	26.2

