

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051822\
 Data File : BG053602.D
 Acq On : 18 May 2022 13:04
 Operator : CG/JU
 Sample : N2836-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20220512

Quant Time: May 18 14:05:29 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)

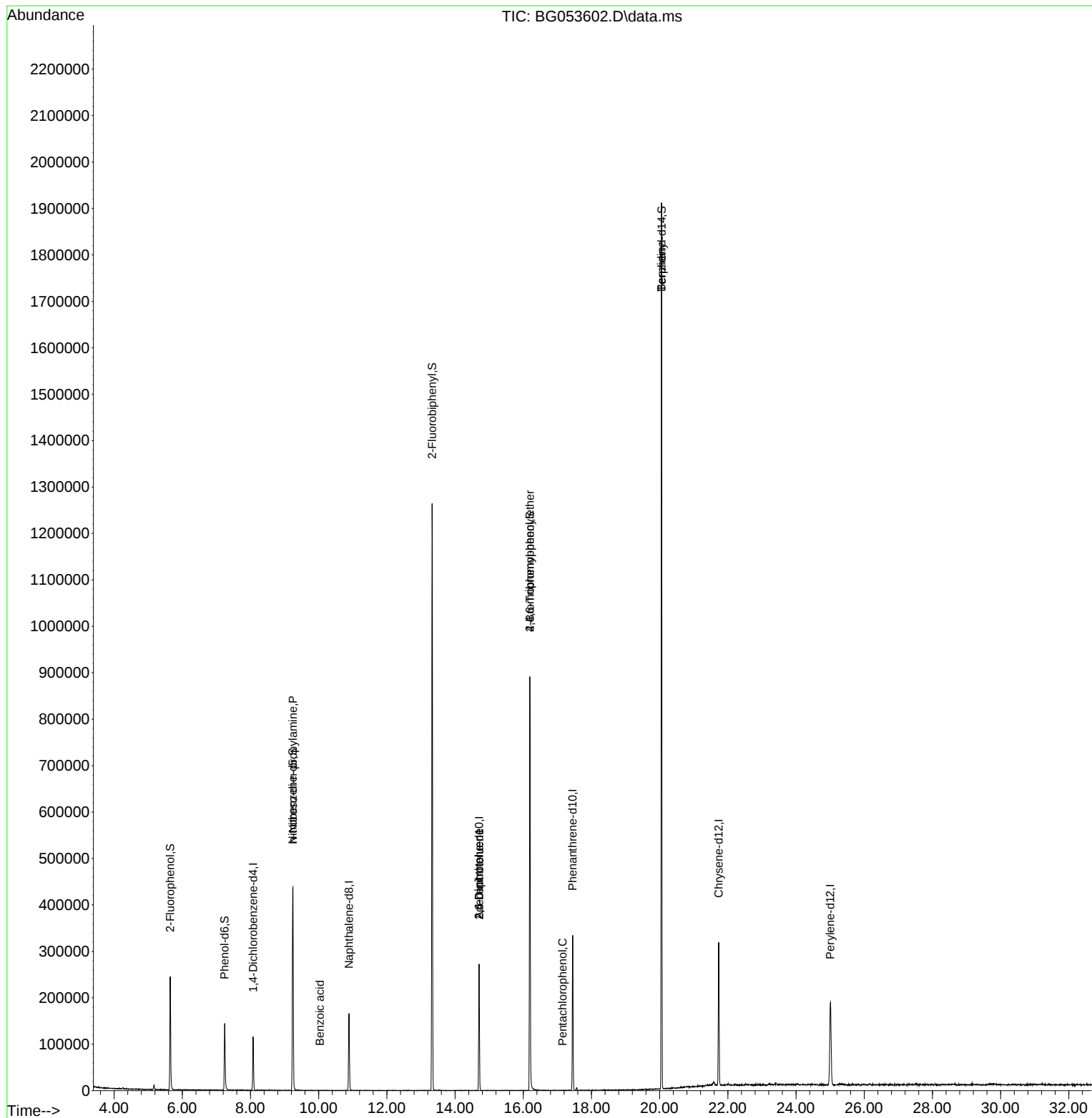
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	31063	20.000	ng	-0.01
21) Naphthalene-d8	10.890	136	133742	20.000	ng	# 0.00
39) Acenaphthene-d10	14.708	164	101864	20.000	ng	0.00
64) Phenanthrene-d10	17.451	188	219734	20.000	ng	0.00
76) Chrysene-d12	21.734	240	204674	20.000	ng	0.00
86) Perylene-d12	25.006	264	206110	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.650	112	106088	57.961	ng	0.00
7) Phenol-d6	7.242	99	90141	32.451	ng	0.00
23) Nitrobenzene-d5	9.239	82	295044	93.909	ng	-0.01
42) 2,4,6-Tribromophenol	16.194	330	182005	121.145	ng	0.00
45) 2-Fluorobiphenyl	13.327	172	663376	95.164	ng	0.00
79) Terphenyl-d14	20.059	244	980211	89.196	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.245	70	42601	21.375	ng	# 79
32) Benzoic acid	10.038	122	59	8.528	ng	# 1
51) 2,6-Dinitrotoluene	14.708	165	13179	8.357	ng	# 16
57) 2,4-Dinitrotoluene	14.708	165	13179	5.765	ng	# 21
67) 4-Bromophenyl-phenylether	16.194	248	11883	4.630	ng	# 1
70) Pentachlorophenol	17.152	266	56	4.685	ng	# 16
77) Benzidine	20.054	184	16302	3.695	ng	# 93

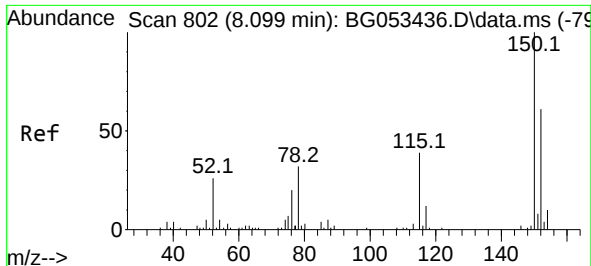
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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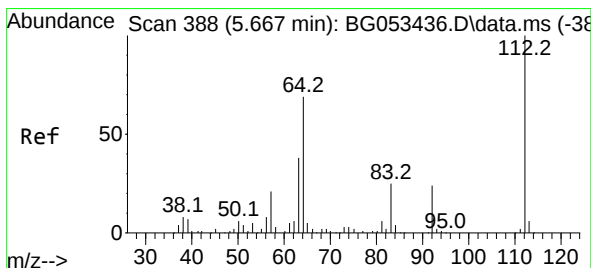
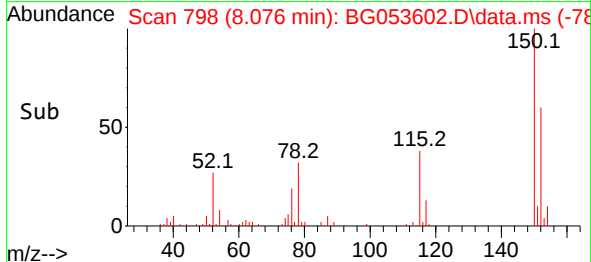
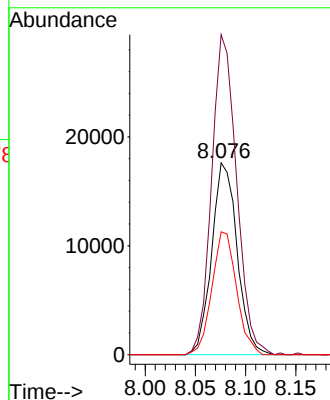
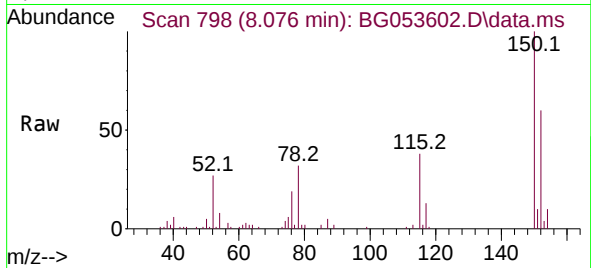




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. -0.013 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

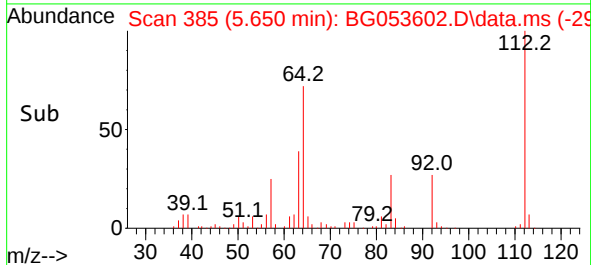
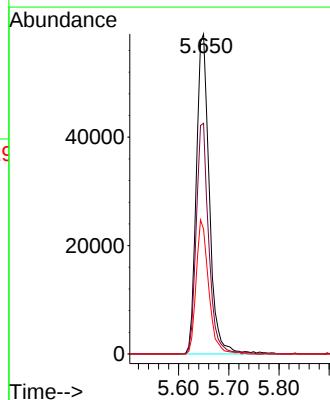
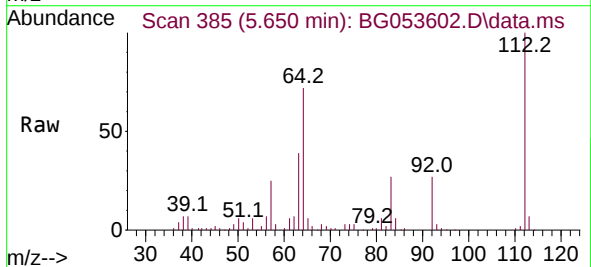
Instrument :
BNA_G
ClientSampleId :
SP-303-20220512

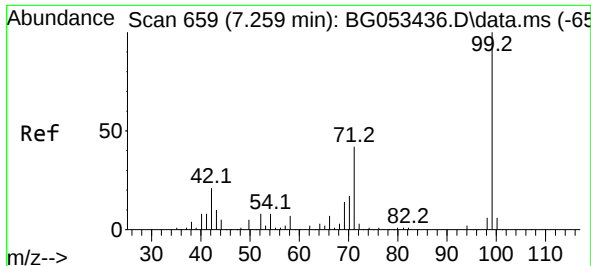
Tgt Ion:152 Resp: 31063
Ion Ratio Lower Upper
152 100
150 166.8 131.6 197.4
115 64.1 50.9 76.3



#5
2-Fluorophenol
Concen: 57.961 ng
RT: 5.650 min Scan# 385
Delta R.T. -0.002 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

Tgt Ion:112 Resp: 106088
Ion Ratio Lower Upper
112 100
64 72.1 55.1 82.7
63 39.0 30.4 45.6

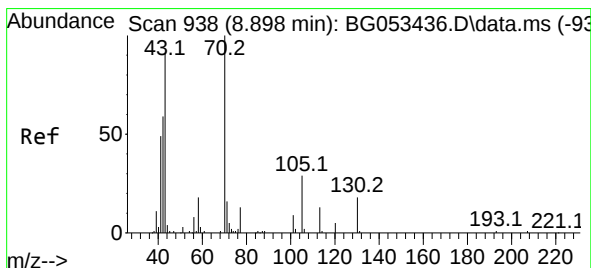
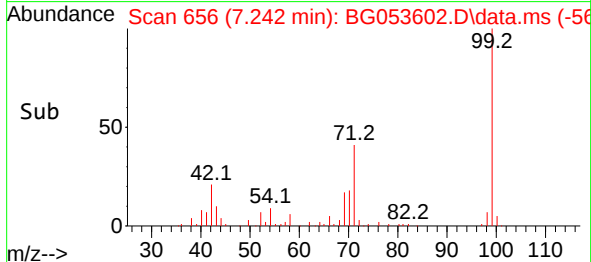
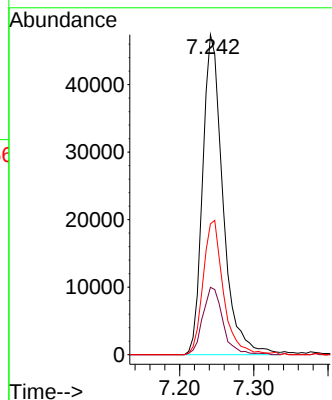
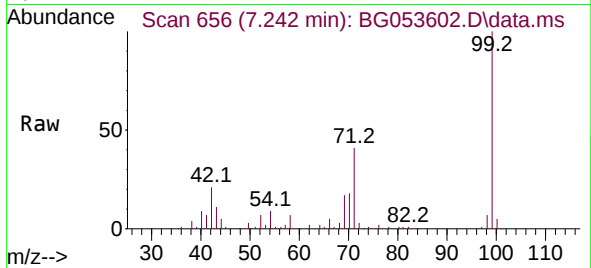




#7
Phenol-d6
Concen: 32.451 ng
RT: 7.242 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

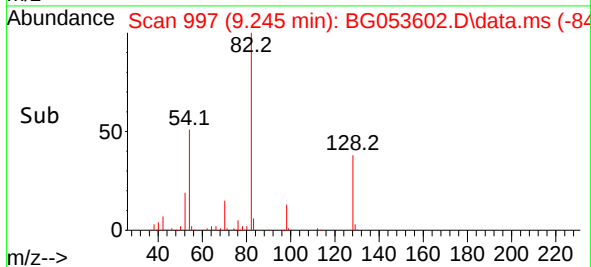
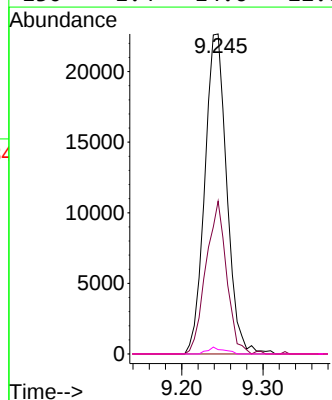
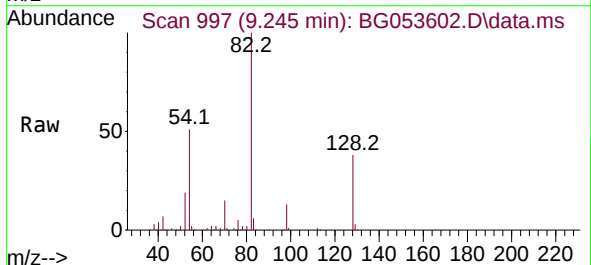
Instrument :
BNA_G
ClientSampleId :
SP-303-20220512

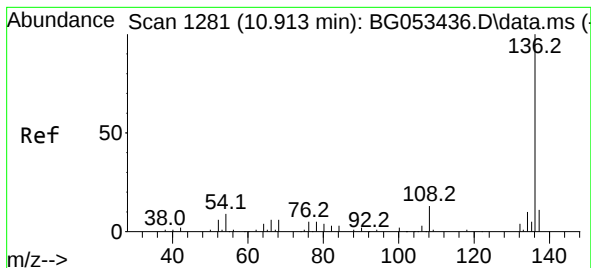
Tgt Ion: 99 Resp: 90141
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 40.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.375 ng
RT: 9.245 min Scan# 997
Delta R.T. 0.356 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

Tgt Ion: 70 Resp: 42601
Ion Ratio Lower Upper
70 100
42 47.7 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: 10.890 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG053602.D

Acq: 18 May 2022 13:04

Instrument :

BNA_G

ClientSampleId :

SP-303-20220512

Tgt Ion:136 Resp: 133742

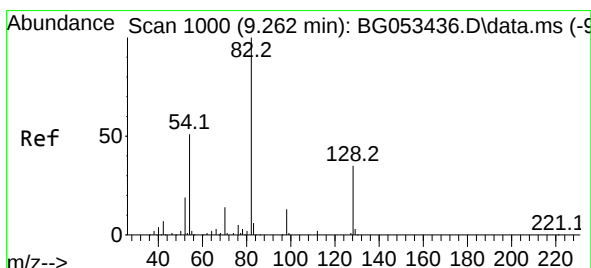
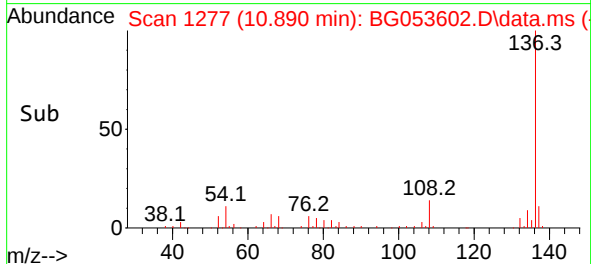
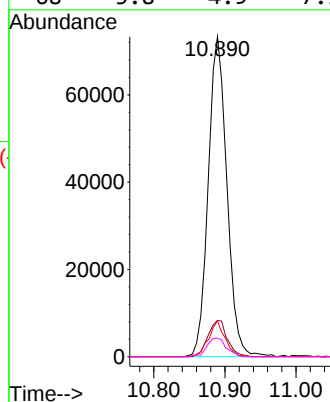
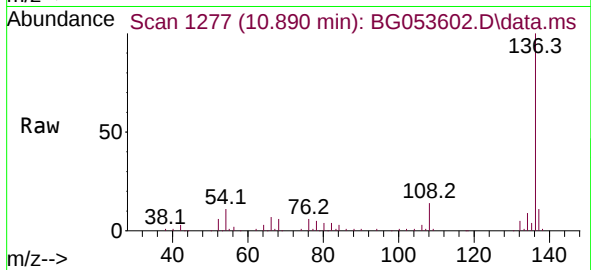
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 11.2 7.4 11.2#

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 93.909 ng

RT: 9.239 min Scan# 996

Delta R.T. -0.014 min

Lab File: BG053602.D

Acq: 18 May 2022 13:04

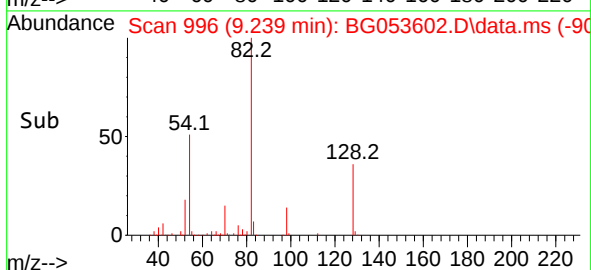
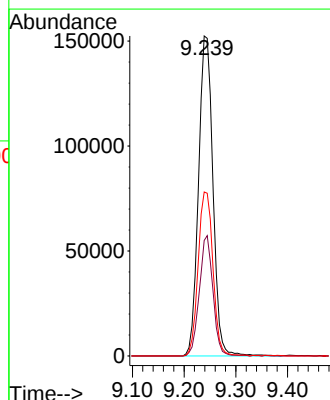
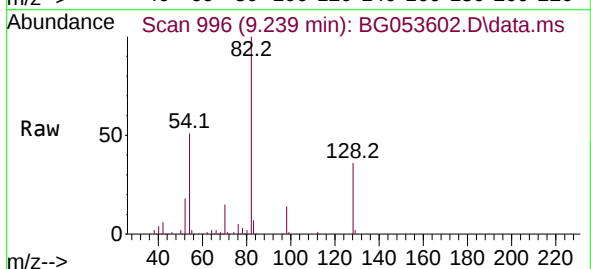
Tgt Ion: 82 Resp: 295044

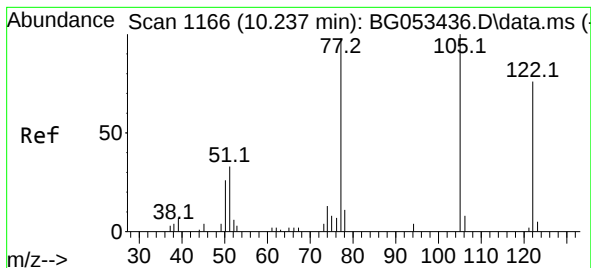
Ion Ratio Lower Upper

82 100

128 36.1 27.9 41.9

54 51.3 41.2 61.8





#32

Benzoic acid

Concen: 8.528 ng

RT: 10.038 min Scan# 1166

Delta R.T. -0.202 min

Lab File: BG053602.D

Acq: 18 May 2022 13:04

Instrument :

BNA_G

ClientSampleId :

SP-303-20220512

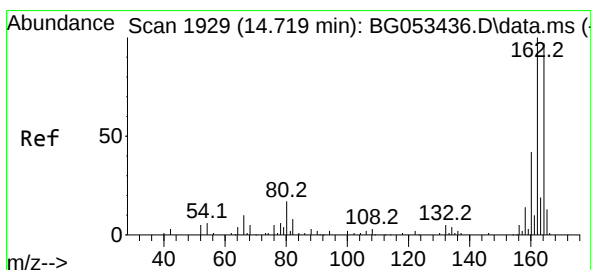
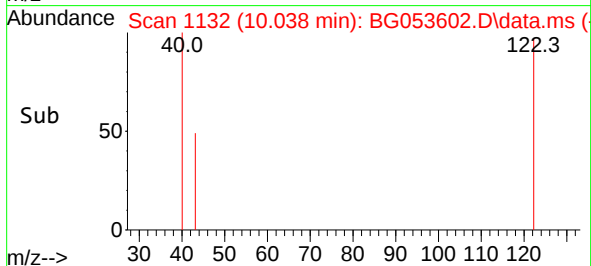
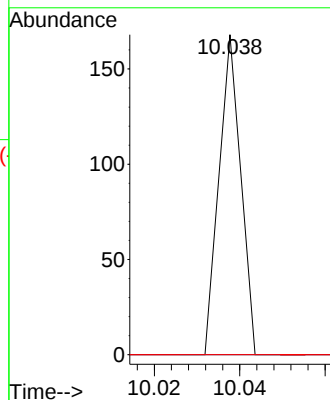
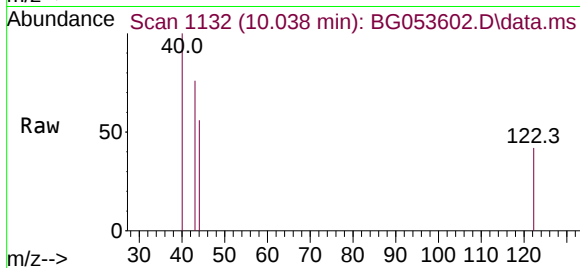
Tgt Ion:122 Resp: 59

Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.708 min Scan# 1927

Delta R.T. -0.008 min

Lab File: BG053602.D

Acq: 18 May 2022 13:04

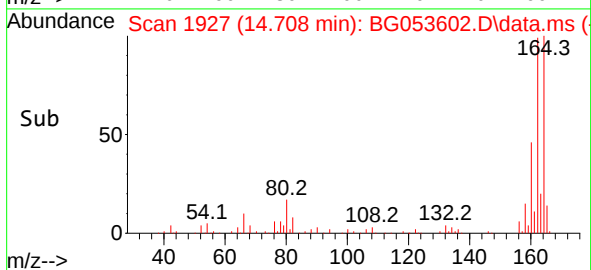
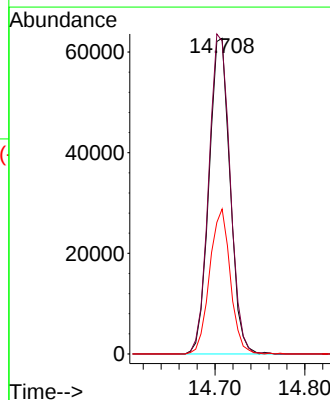
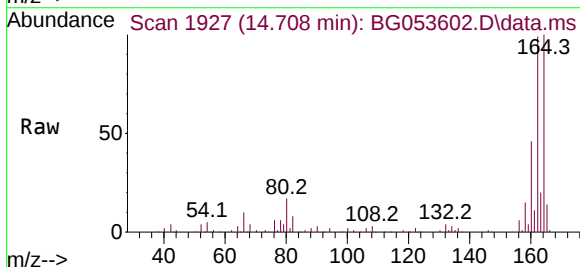
Tgt Ion:164 Resp: 101864

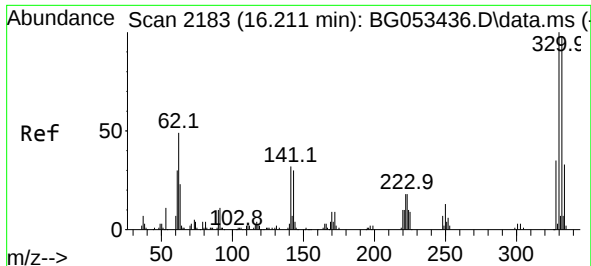
Ion Ratio Lower Upper

164 100

162 99.2 82.3 123.5

160 45.9 34.2 51.2

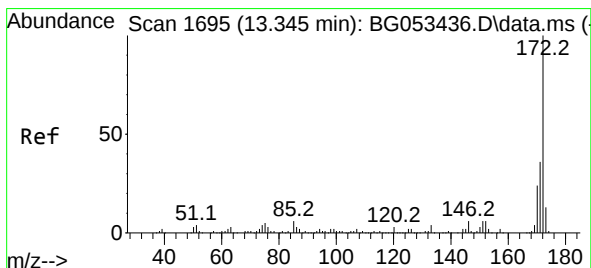
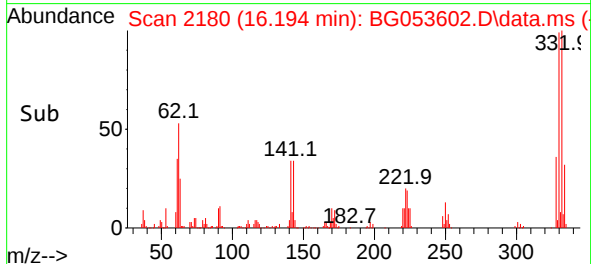
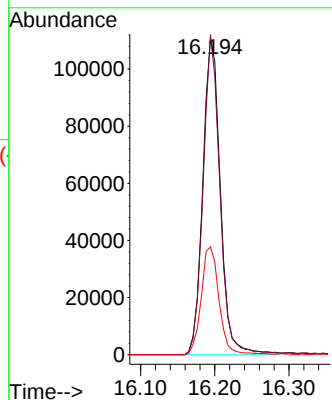
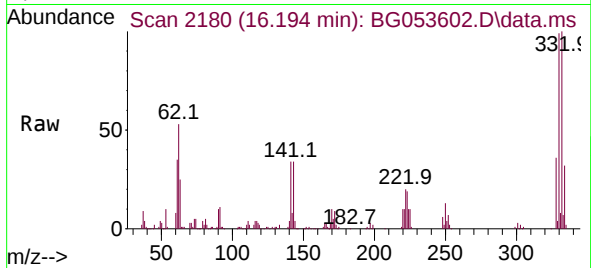




#42
2,4,6-Tribromophenol
Concen: 121.145 ng
RT: 16.194 min Scan# 2183
Delta R.T. -0.008 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

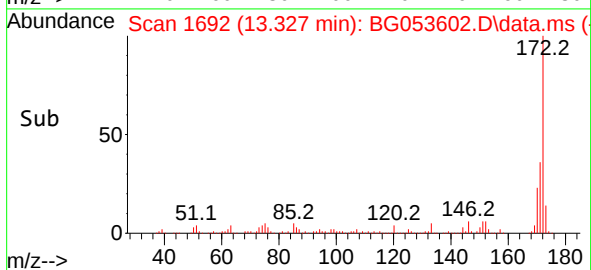
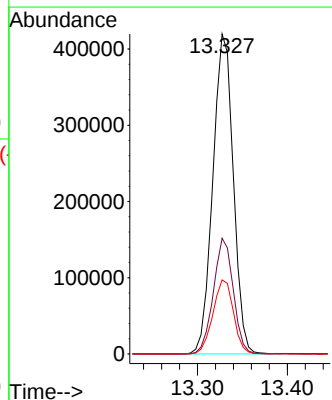
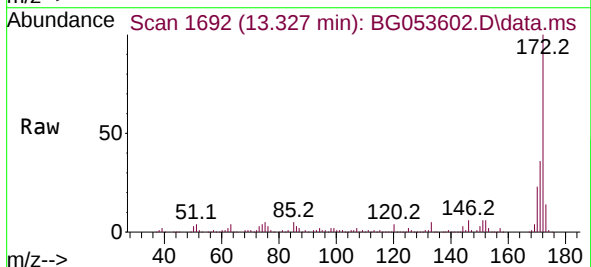
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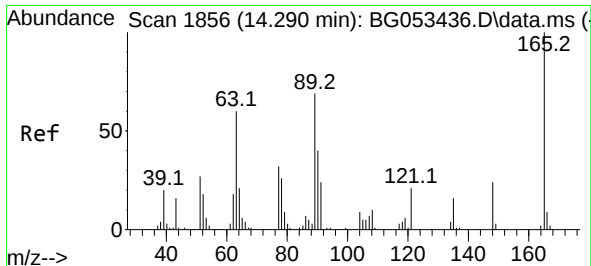
Tgt Ion:330 Resp: 182005
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 34.5 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 95.164 ng
RT: 13.327 min Scan# 1692
Delta R.T. -0.008 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

Tgt Ion:172 Resp: 663376
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.1 18.9 28.3

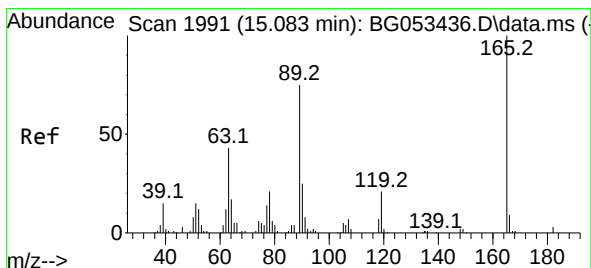
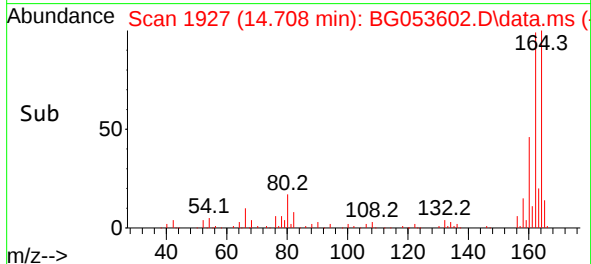
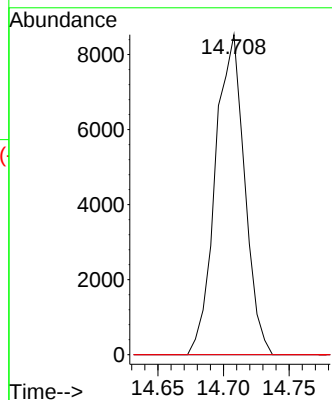
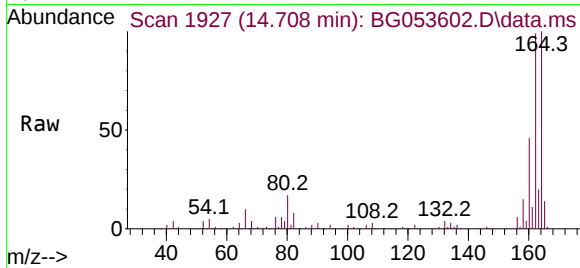




#51
2,6-Dinitrotoluene
Concen: 8.357 ng
RT: 14.708 min Scan# 1927
Delta R.T. 0.427 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

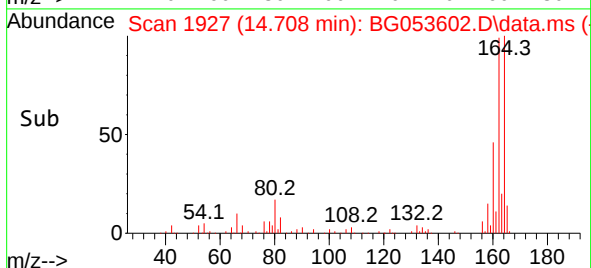
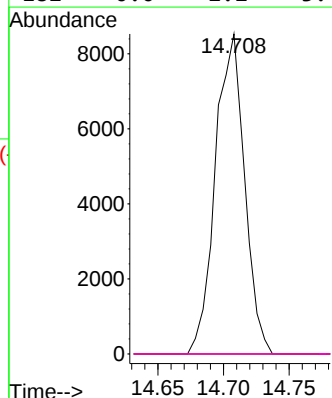
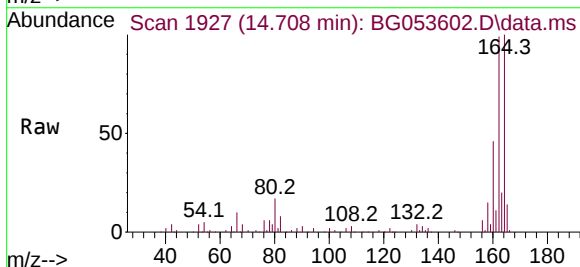
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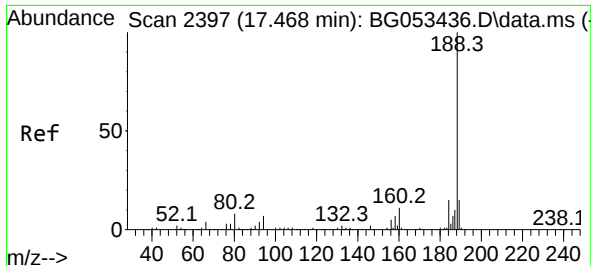
Tgt Ion:165 Resp: 13179
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.765 ng
RT: 14.708 min Scan# 1927
Delta R.T. -0.366 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

Tgt Ion:165 Resp: 13179
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#

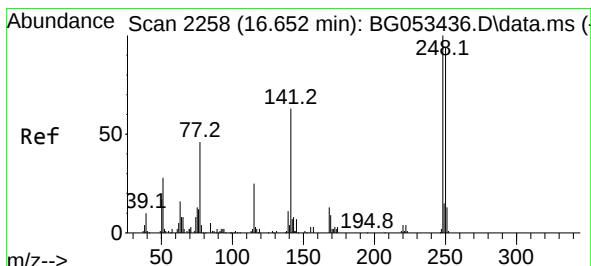
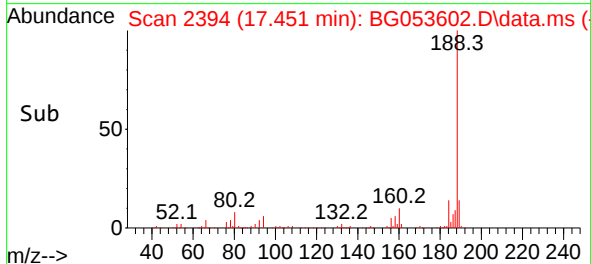
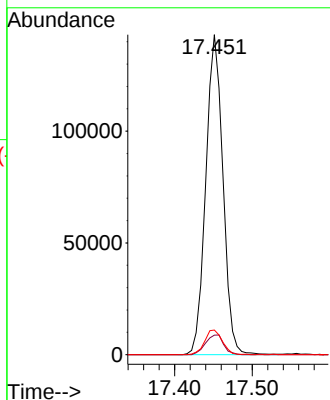
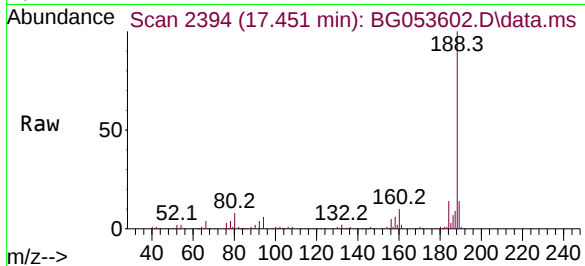




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.451 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

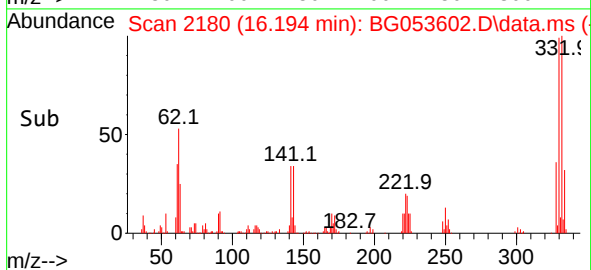
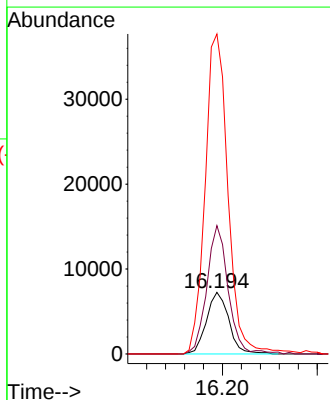
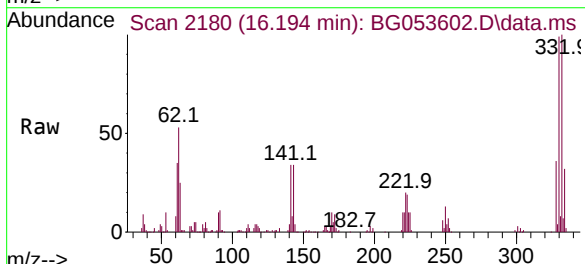
Instrument :
BNA_G
ClientSampleId :
SP-303-20220512

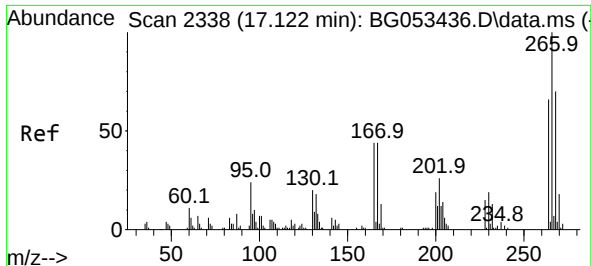
Tgt Ion:188 Resp: 219734
Ion Ratio Lower Upper
188 100
94 6.1 5.4 8.0
80 7.7 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 4.630 ng
RT: 16.194 min Scan# 2180
Delta R.T. -0.448 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

Tgt Ion:248 Resp: 11883
Ion Ratio Lower Upper
248 100
250 208.4 75.2 112.8#
141 519.8 50.0 75.0#

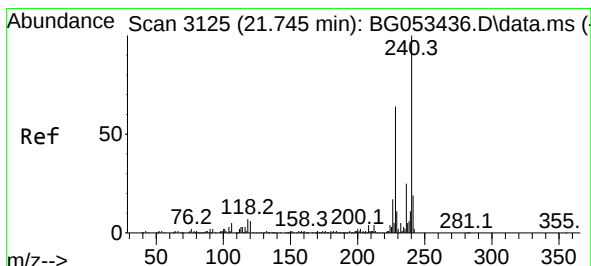
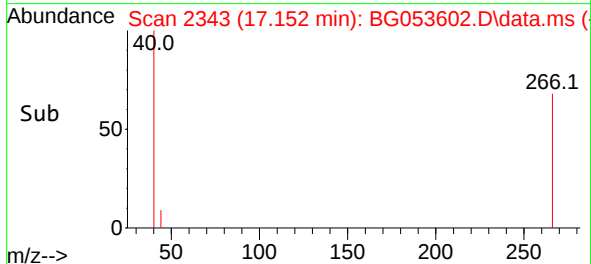
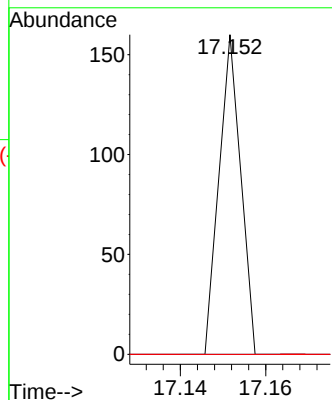
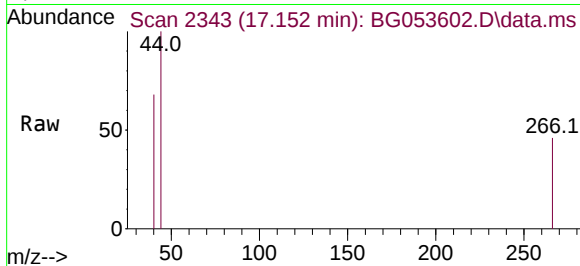




#70
 Pentachlorophenol
 Concen: 4.685 ng
 RT: 17.152 min Scan# 21
 Delta R.T. 0.033 min
 Lab File: BG053602.D
 Acq: 18 May 2022 13:04

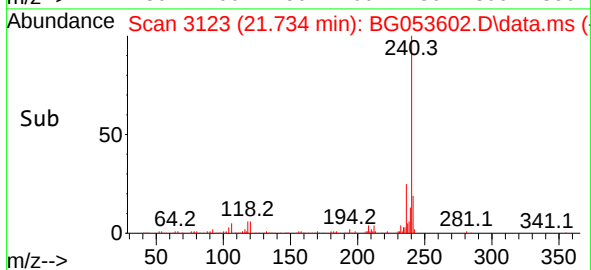
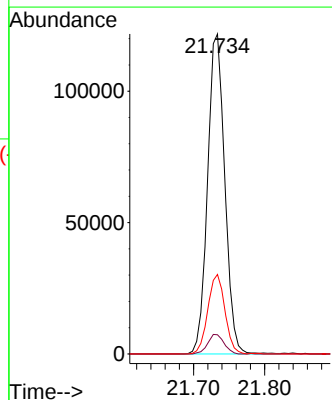
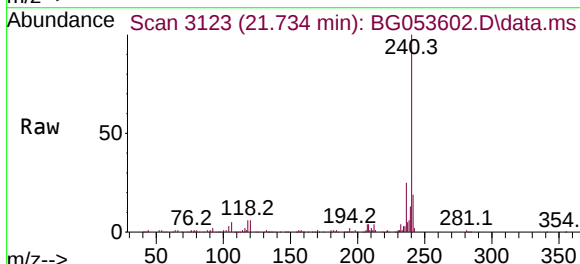
Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20220512

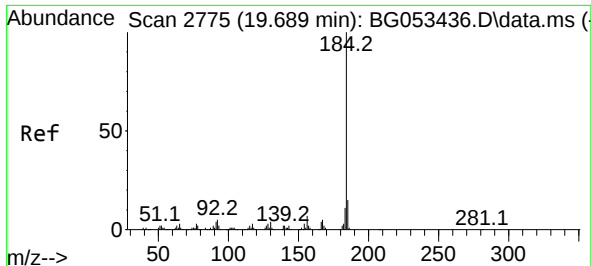
Tgt Ion:266 Resp: 56
 Ion Ratio Lower Upper
 266 100
 268 0.0 56.2 84.2#
 264 0.0 53.0 79.4#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.734 min Scan# 3123
 Delta R.T. -0.008 min
 Lab File: BG053602.D
 Acq: 18 May 2022 13:04

Tgt Ion:240 Resp: 204674
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.6 7.0
 236 24.9 20.2 30.4

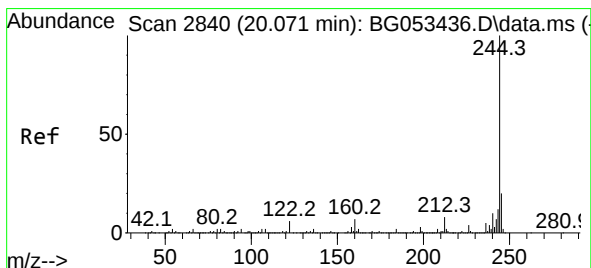
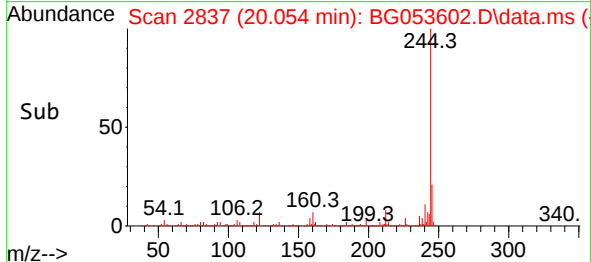
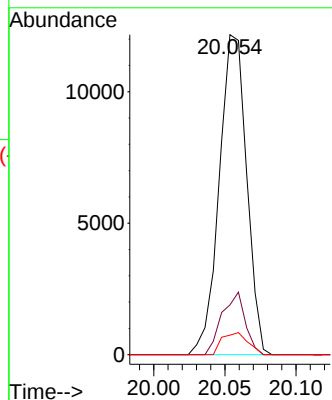
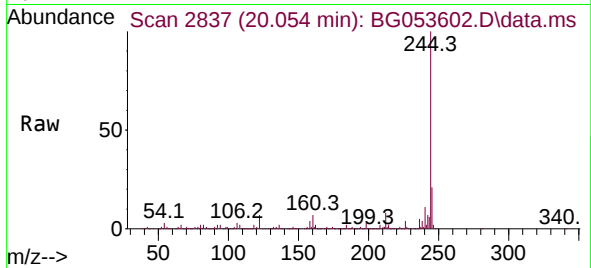




#77
Benzidine
Concen: 3.695 ng
RT: 20.054 min Scan# 21
Delta R.T. 0.374 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

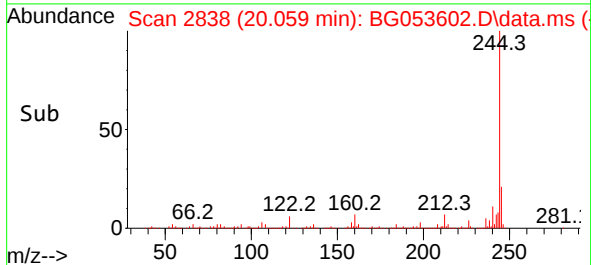
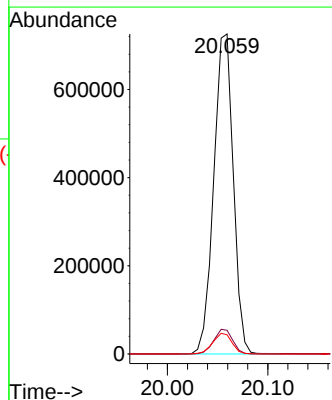
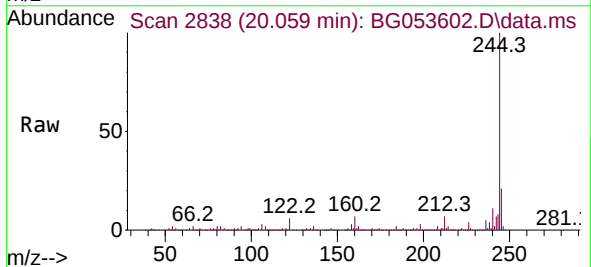
Instrument :
BNA_G
ClientSampleId :
SP-303-20220512

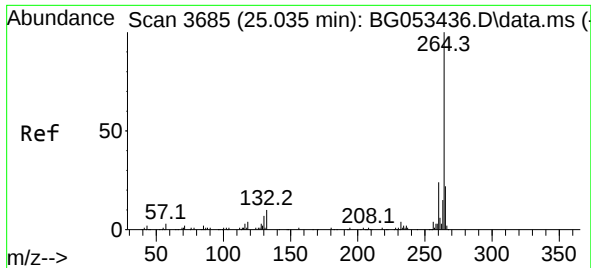
Tgt Ion:184 Resp: 16302
Ion Ratio Lower Upper
184 100
185 15.5 11.8 17.6
183 6.1 8.9 13.3#



#79
Terphenyl-d14
Concen: 89.196 ng
RT: 20.059 min Scan# 2838
Delta R.T. -0.002 min
Lab File: BG053602.D
Acq: 18 May 2022 13:04

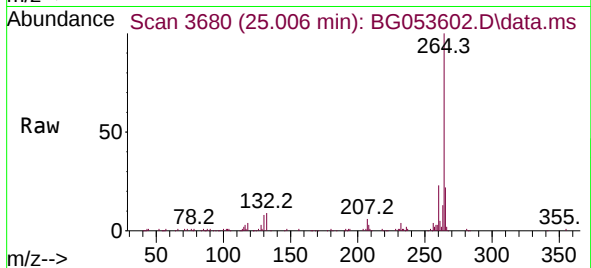
Tgt Ion:244 Resp: 980211
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 6.0 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.006 min Scan# 30
 Delta R.T. -0.014 min
 Lab File: BG053602.D
 Acq: 18 May 2022 13:04

Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20220512



Tgt Ion:264 Resp: 206110
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 22.5 17.4 26.2

