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 Data File : BG061180.D
 Acq On : 13 May 2024 18:08
 Operator : MA/JU
 Sample : P2454-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

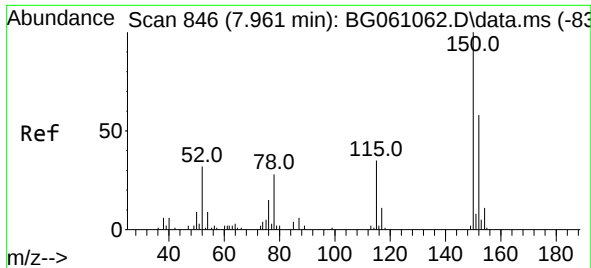
Instrument :
 BNA_G
 ClientSampleId :
 SP25-06-20240510-WC

Quant Time: May 14 01:18:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.933	152	35032	20.000	ng	-0.03
21) Naphthalene-d8	10.724	136	109538	20.000	ng	#-0.03
39) Acenaphthene-d10	14.566	164	78856	20.000	ng	-0.02
64) Phenanthrene-d10	17.345	188	249225	20.000	ng	# 0.01
76) Chrysene-d12	21.629	240	204123	20.000	ng	# 0.04
86) Perylene-d12	24.760	264	189435	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.530	112	118406	68.739	ng	-0.02
7) Phenol-d6	7.110	99	101130	39.687	ng	-0.02
23) Nitrobenzene-d5	9.084	82	204794	92.681	ng	-0.03
42) 2,4,6-Tribromophenol	16.070	330	200929	127.477	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	494176	92.668	ng	-0.02
79) Terphenyl-d14	19.989	244	903528	73.617	ng	0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	3.150	88	7097	10.190	ng	# 1
9) Benzaldehyde	7.087	77	82	Below Cal		# 3
18) Hexachloroethane	9.184	117	4264	4.641	ng	# 1
29) 2,4-Dichlorophenol	10.424	162	5416	2.927	ng	# 40
48) 2-Nitroaniline	13.614	65	9123	6.072	ng	# 30
54) 2,4-Dinitrophenol	14.584	184	57	2.267	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	15.124	232	4436	2.254	ng	# 50
61) 4-Chlorophenyl-phenyle...	15.618	204	45522	13.371	ng	# 59
63) Azobenzene	15.929	77	139939	29.268	ng	# 1
77) Benzidine	19.649	184	395	2.891	ng	# 1
78) Pyrene	19.801	202	97851	7.540	ng	# 1

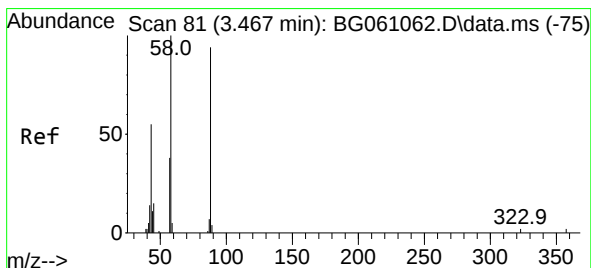
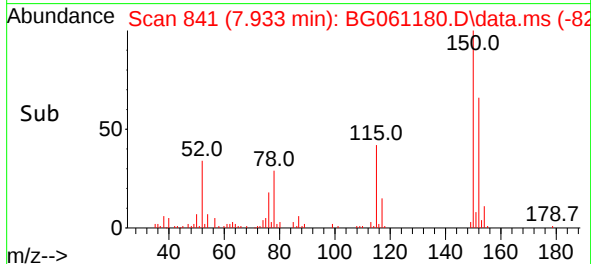
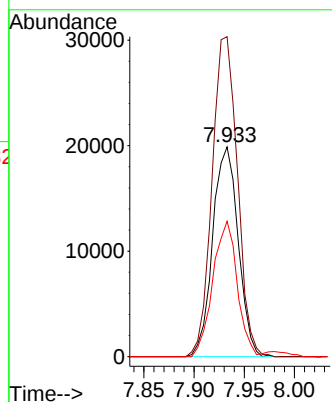
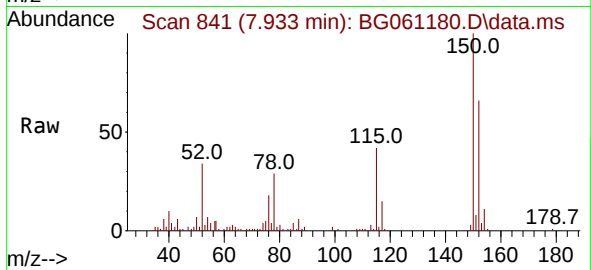
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.933 min Scan# 84
 Delta R.T. -0.028 min
 Lab File: BG061180.D
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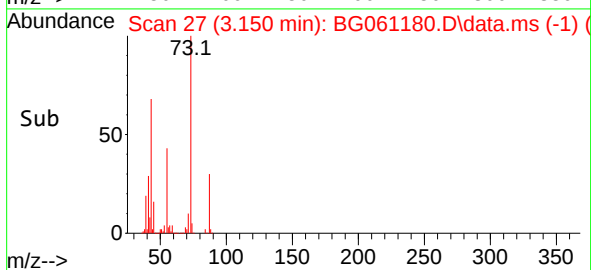
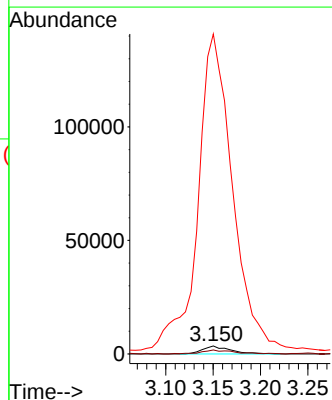
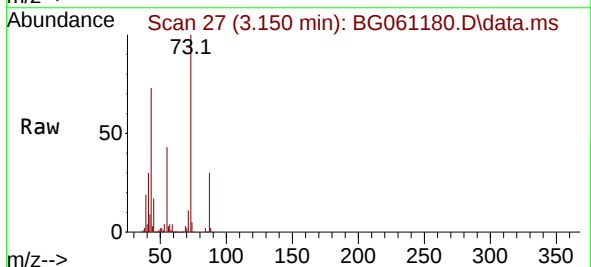
Instrument :
 BNA_G
 ClientSampleId :
 SP25-06-20240510-WC

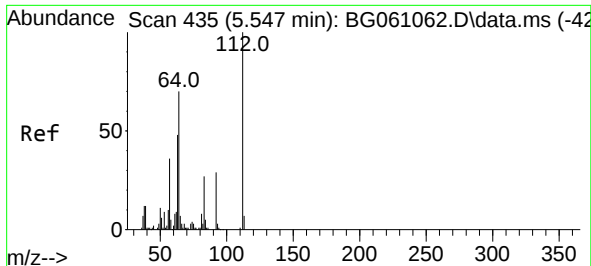
Tgt Ion:152 Resp: 35032
 Ion Ratio Lower Upper
 152 100
 150 152.5 138.3 207.5
 115 64.5 48.0 72.0



#2
 1,4-Dioxane
 Concen: 10.190 ng
 RT: 3.150 min Scan# 27
 Delta R.T. -0.316 min
 Lab File: BG061180.D
 Acq: 13 May 2024 18:08

Tgt Ion: 88 Resp: 7097
 Ion Ratio Lower Upper
 88 100
 58 57.7 81.2 121.8#
 43 5080.0 45.0 67.4#

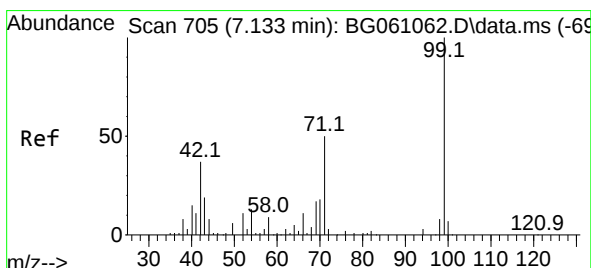
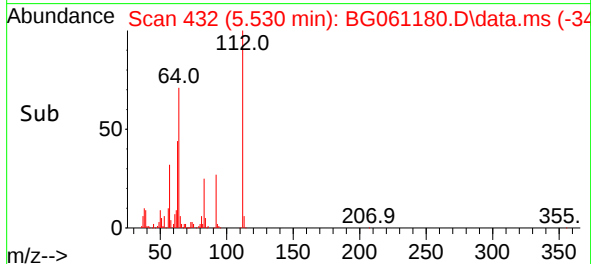
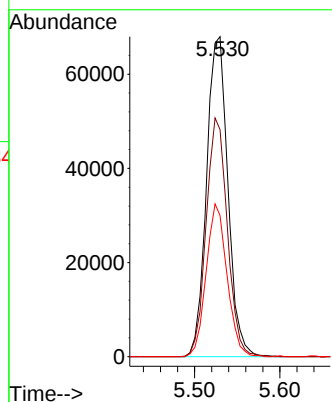
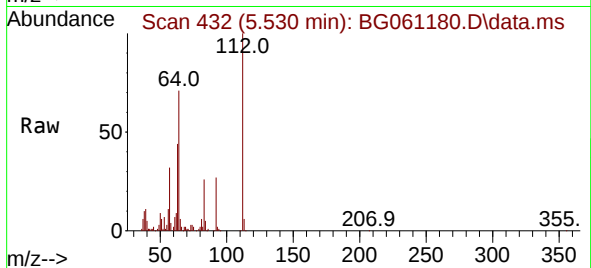




#5
2-Fluorophenol
Concen: 68.739 ng
RT: 5.530 min Scan# 41
Delta R.T. -0.017 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

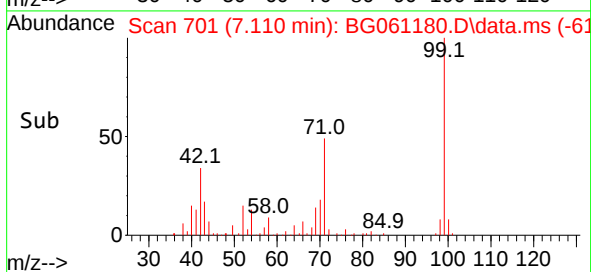
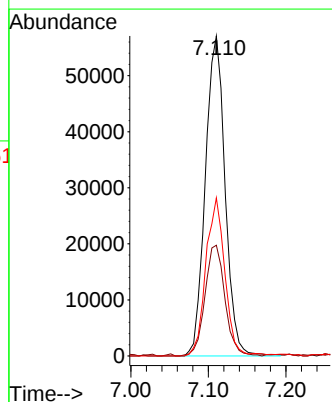
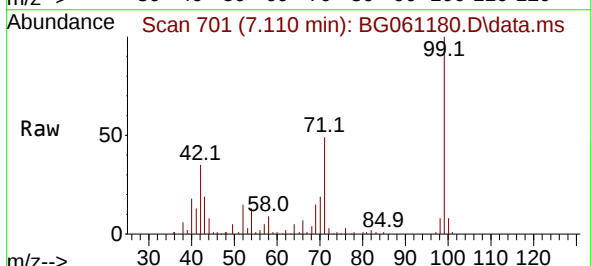
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ClientSampleId :
SP25-06-20240510-WC

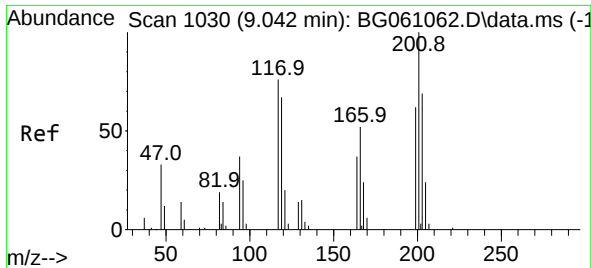
Tgt Ion:112 Resp: 118406
Ion Ratio Lower Upper
112 100
64 70.9 55.7 83.5
63 44.1 38.1 57.1



#7
Phenol-d6
Concen: 39.687 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.023 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

Tgt Ion: 99 Resp: 101130
Ion Ratio Lower Upper
99 100
42 34.6 29.2 43.8
71 49.4 39.7 59.5

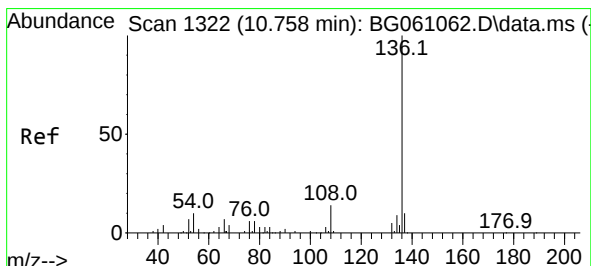
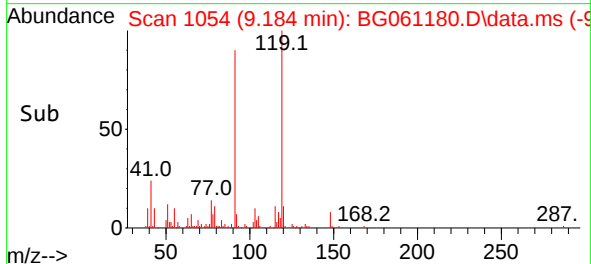
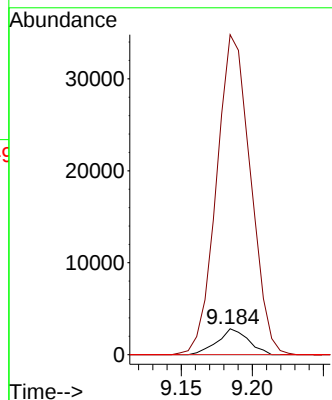
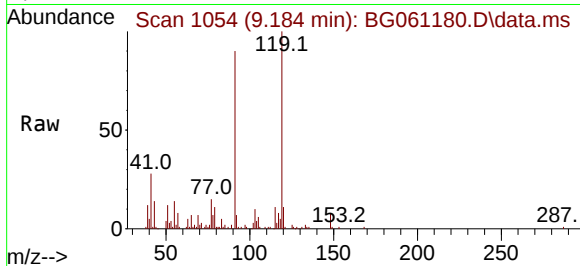




#18
Hexachloroethane
Concen: 4.641 ng
RT: 9.184 min Scan# 1054
Delta R.T. 0.142 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

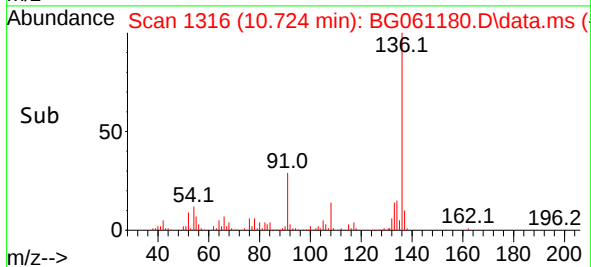
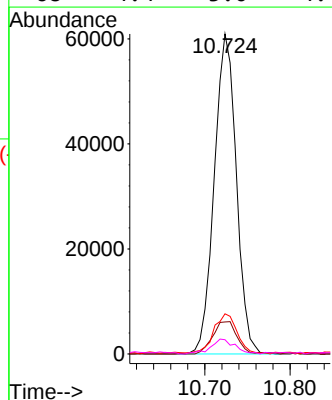
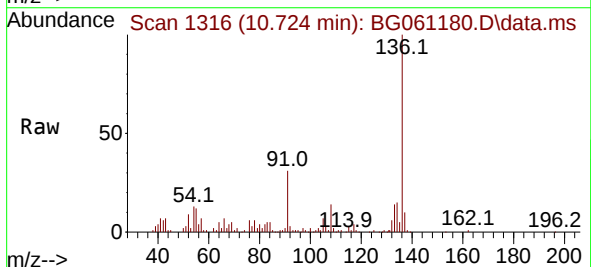
Instrument :
BNA_G
ClientSampleId :
SP25-06-20240510-WC

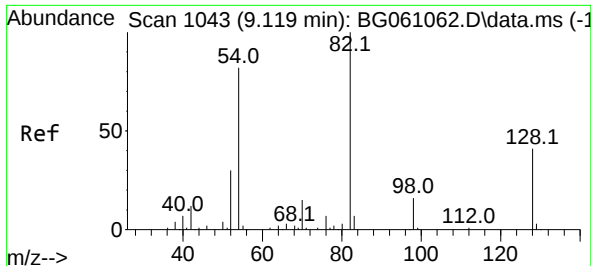
Tgt Ion:117 Resp: 4264
Ion Ratio Lower Upper
117 100
119 1230.8 71.4 107.0#
201 0.0 105.8 158.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.724 min Scan# 1316
Delta R.T. -0.034 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

Tgt Ion:136 Resp: 109538
Ion Ratio Lower Upper
136 100
137 10.0 7.8 11.6
54 12.5 8.1 12.1#
68 4.4 3.0 4.4





#23

Nitrobenzene-d5

Concen: 92.681 ng

RT: 9.084 min Scan# 1037

Delta R.T. -0.034 min

Lab File: BG061180.D

Acq: 13 May 2024 18:08

Instrument :

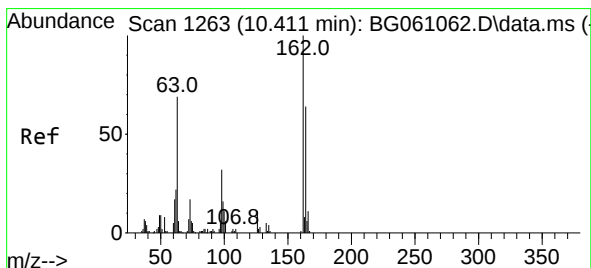
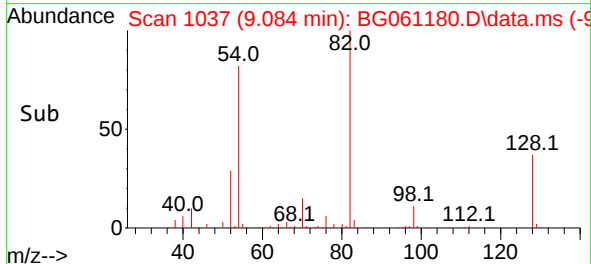
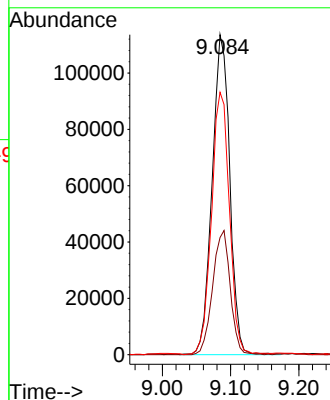
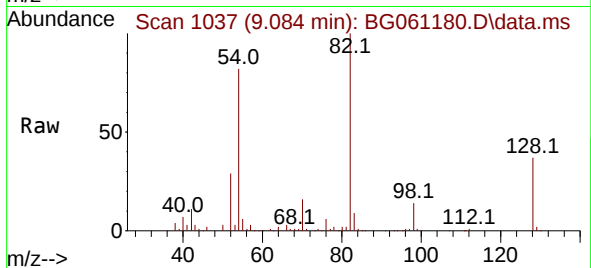
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ClientSampleId :

SP25-06-20240510-WC

Tgt Ion: 82 Resp: 204794

Ion	Ratio	Lower	Upper
82	100		
128	36.6	32.7	49.1
54	82.0	65.6	98.4



#29

2,4-Dichlorophenol

Concen: 2.927 ng

RT: 10.424 min Scan# 1265

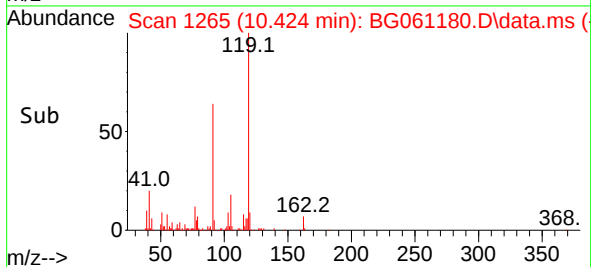
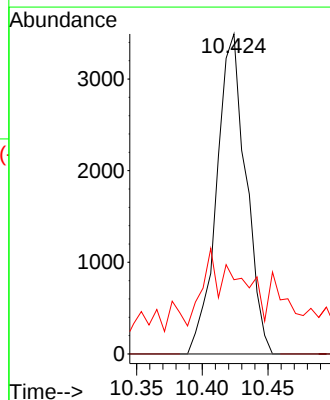
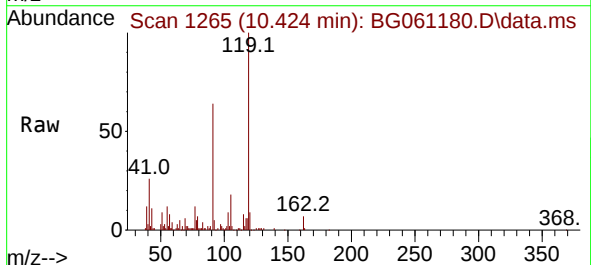
Delta R.T. 0.013 min

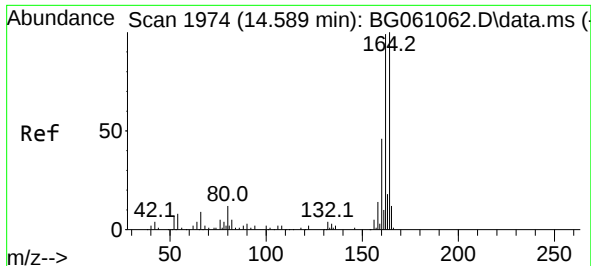
Lab File: BG061180.D

Acq: 13 May 2024 18:08

Tgt Ion: 162 Resp: 5416

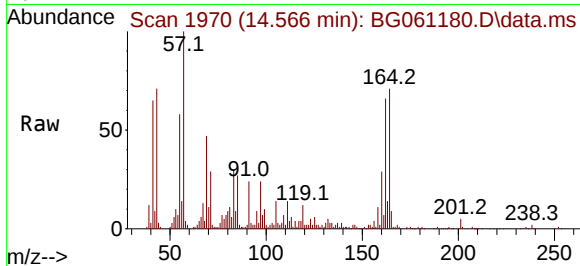
Ion	Ratio	Lower	Upper
162	100		
164	0.0	43.6	83.6#
98	23.2	12.3	52.3



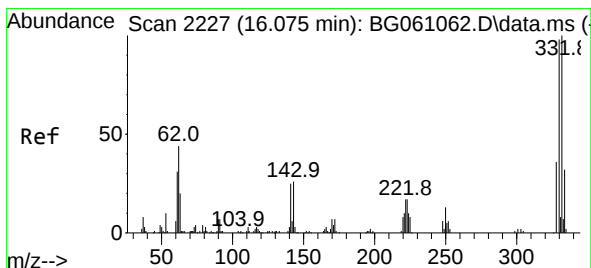
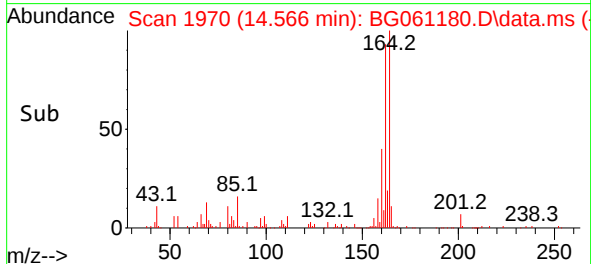
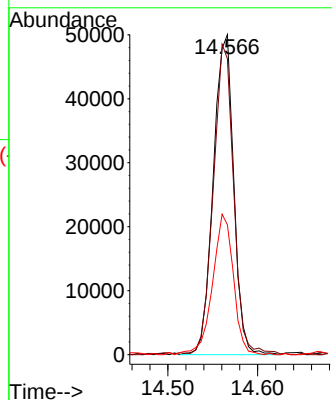


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.566 min Scan# 1970
Delta R.T. -0.023 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

Instrument :
BNA_G
ClientSampleId :
SP25-06-20240510-WC

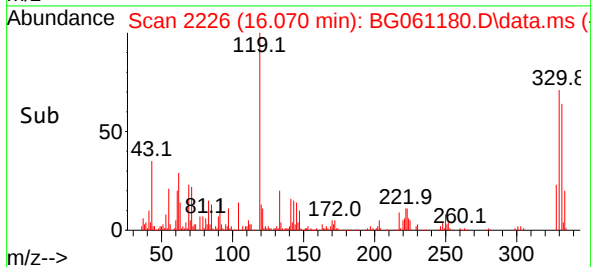
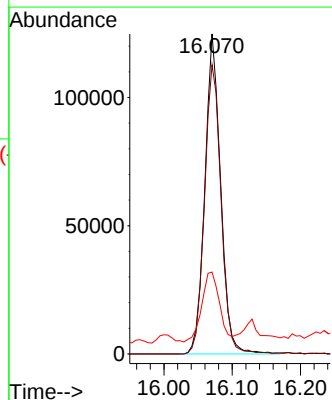
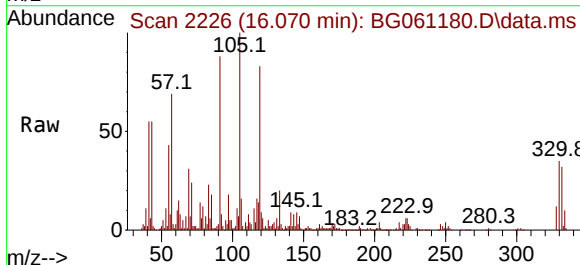


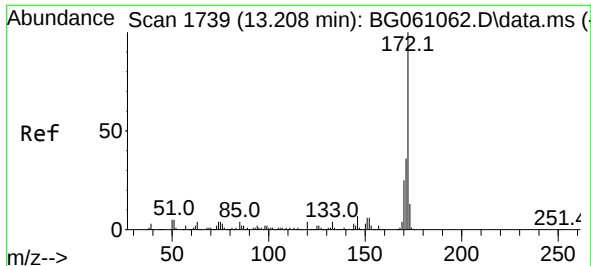
Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.5	79.4	119.2
160	40.6	37.0	55.6



#42
2,4,6-Tribromophenol
Concen: 127.477 ng
RT: 16.070 min Scan# 2226
Delta R.T. -0.005 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.6	117.8
141	25.1	20.5	30.7

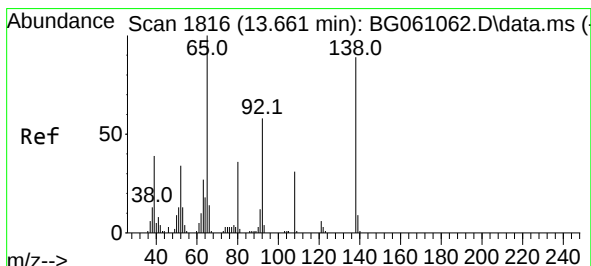
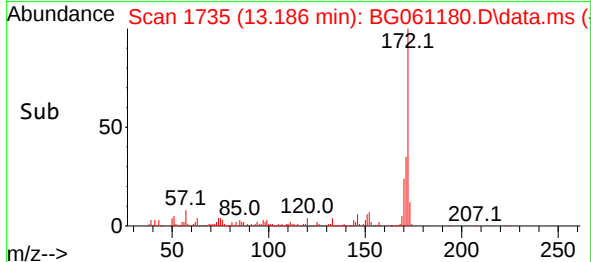
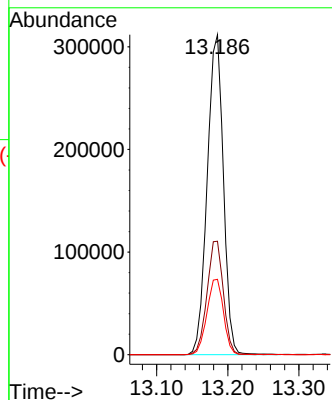
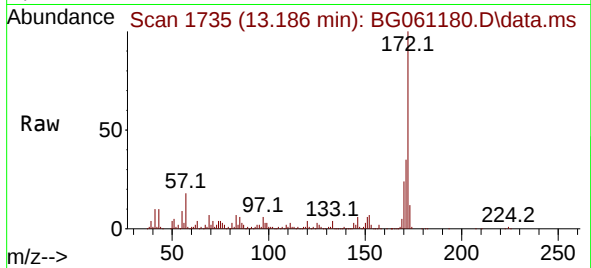




#45
2-Fluorobiphenyl
Concen: 92.668 ng
RT: 13.186 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

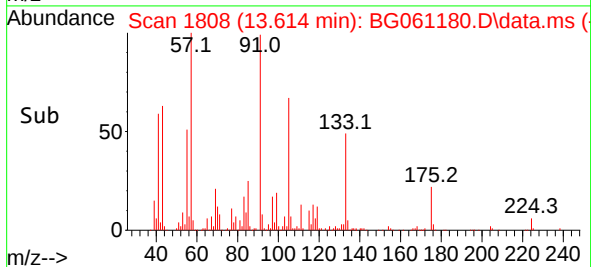
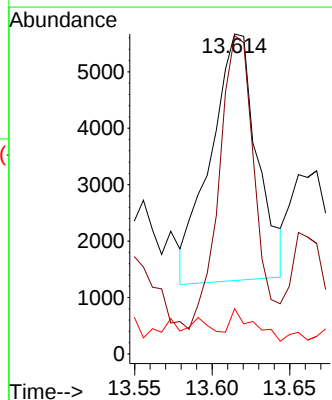
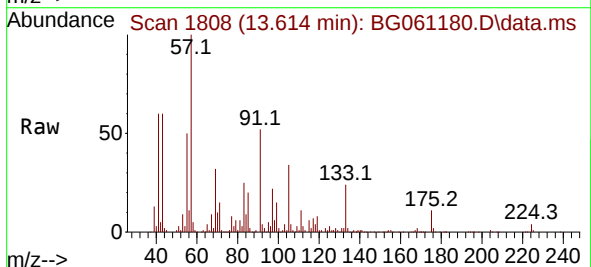
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SP25-06-20240510-WC

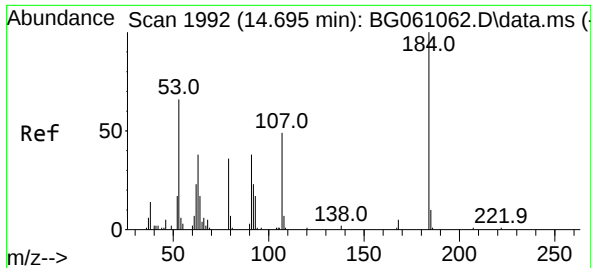
Tgt Ion:172 Resp: 494176
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 23.6 20.2 30.4



#48
2-Nitroaniline
Concen: 6.072 ng
RT: 13.614 min Scan# 1808
Delta R.T. -0.046 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

Tgt Ion: 65 Resp: 9123
Ion Ratio Lower Upper
65 100
92 99.5 46.7 70.1#
138 14.1 71.4 107.2#

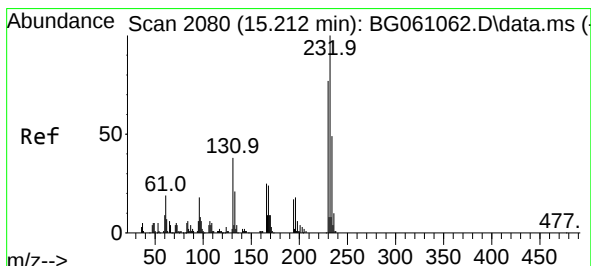
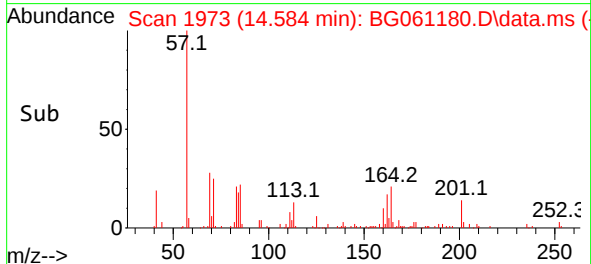
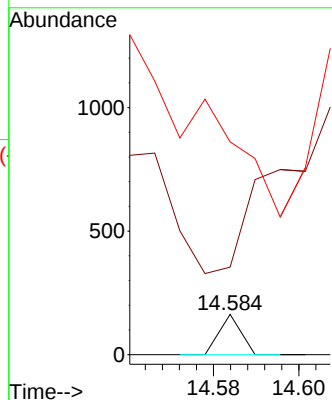
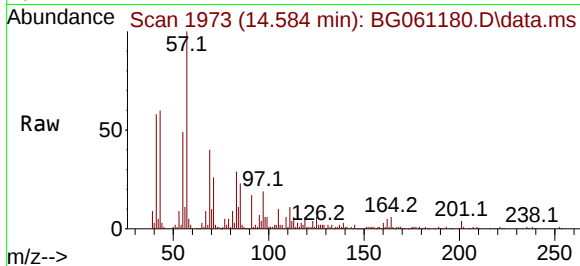




#54
2,4-Dinitrophenol
Concen: 2.267 ng
RT: 14.584 min Scan# 1992
Delta R.T. -0.111 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

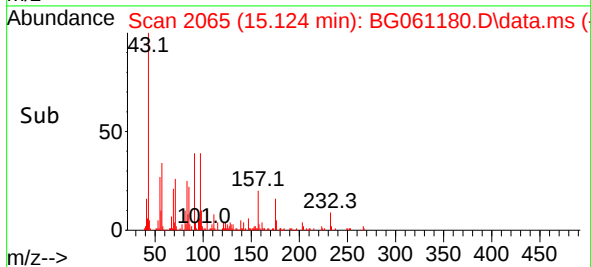
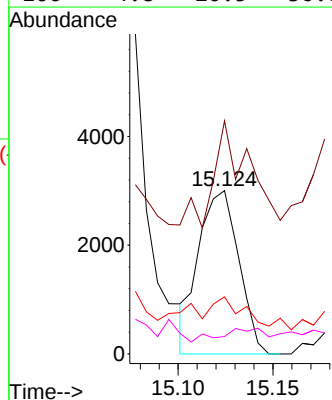
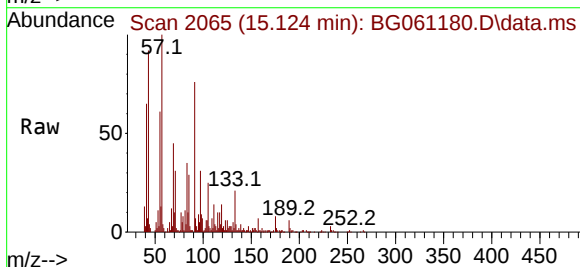
Instrument :
BNA_G
ClientSampleId :
SP25-06-20240510-WC

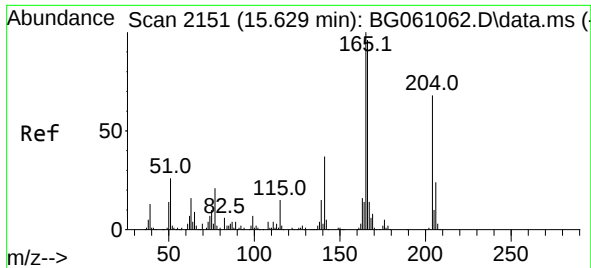
Tgt Ion:	184	Resp:	57
Ion	Ratio	Lower	Upper
184	100		
63	217.2	62.6	93.8#
154	528.2	61.4	92.0#



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.254 ng
RT: 15.124 min Scan# 2065
Delta R.T. -0.087 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

Tgt Ion:	232	Resp:	4436
Ion	Ratio	Lower	Upper
232	100		
131	0.0	27.0	40.4#
130	0.0	1.7	2.5#
166	4.8	20.5	30.7#

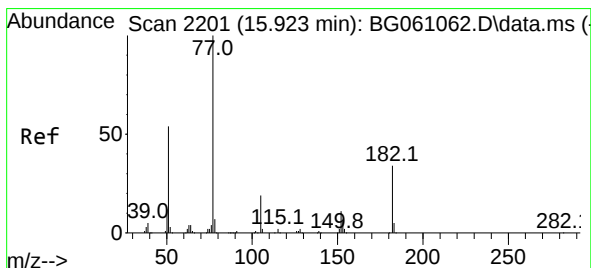
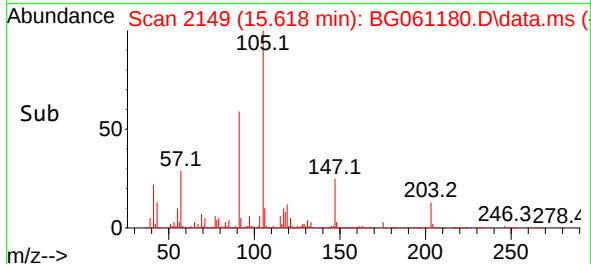
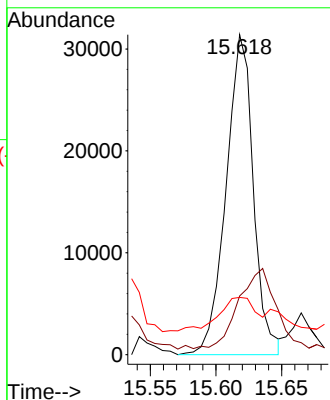
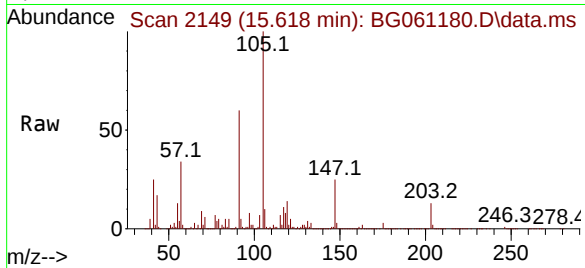




#61
4-Chlorophenyl-phenylether
Concen: 13.371 ng
RT: 15.618 min Scan# 2151
Delta R.T. -0.011 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

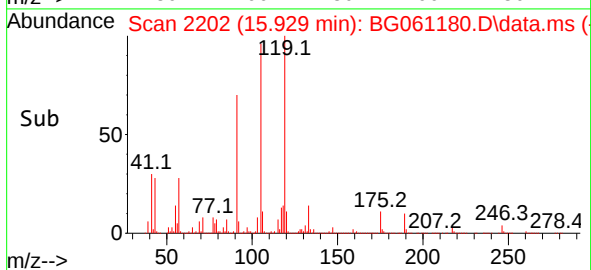
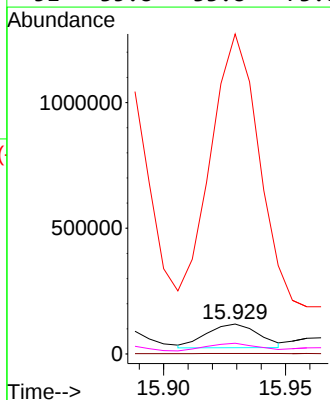
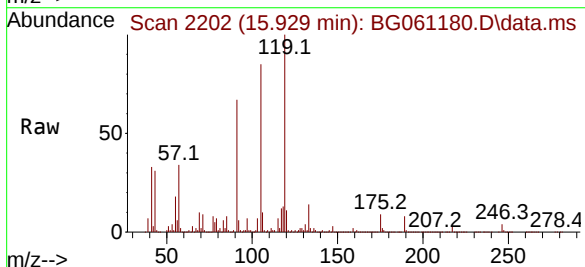
Instrument :
BNA_G
ClientSampleId :
SP25-06-20240510-WC

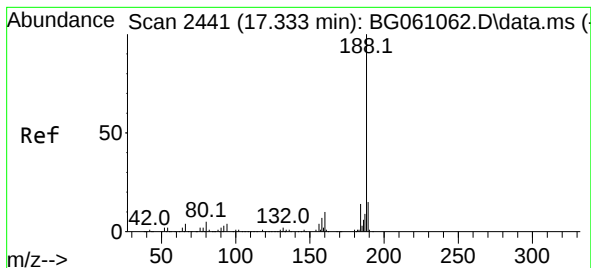
Tgt Ion: 204 Resp: 45522
Ion Ratio Lower Upper
204 100
206 18.3 27.8 41.6#
141 17.9 42.9 64.3#



#63
Azobenzene
Concen: 29.268 ng
RT: 15.929 min Scan# 2202
Delta R.T. 0.007 min
Lab File: BG061180.D
Acq: 13 May 2024 18:08

Tgt Ion: 77 Resp: 139939
Ion Ratio Lower Upper
77 100
182 1.5 13.5 53.5#
105 1069.0 0.0 39.3#
51 35.8 33.8 73.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.345 min Scan# 24

Delta R.T. 0.013 min

Lab File: BG061180.D

Acq: 13 May 2024 18:08

Instrument :

BNA_G

ClientSampleId :

SP25-06-20240510-WC

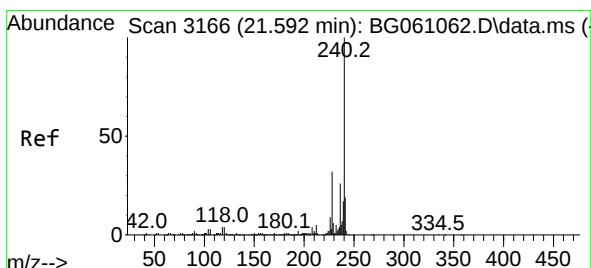
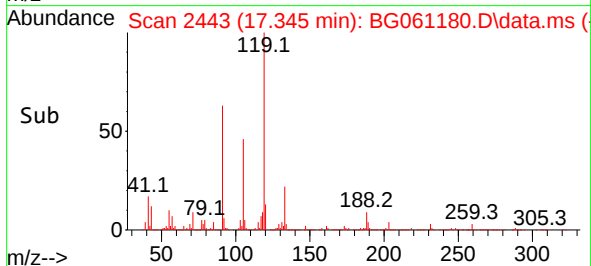
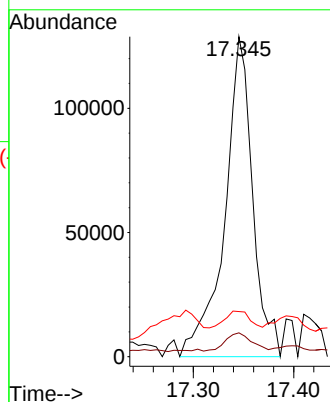
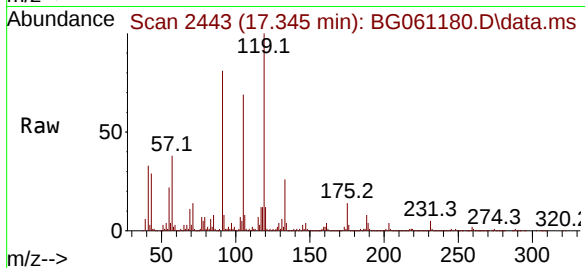
Tgt Ion:188 Resp: 249225

Ion Ratio Lower Upper

188 100

94 7.5 3.6 5.4#

80 14.1 4.2 6.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.629 min Scan# 3172

Delta R.T. 0.036 min

Lab File: BG061180.D

Acq: 13 May 2024 18:08

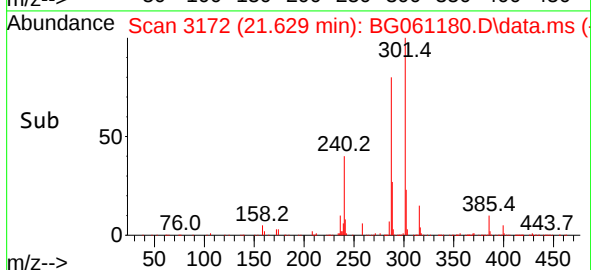
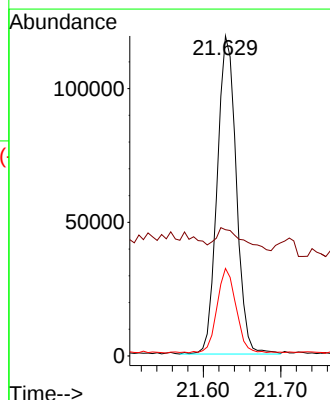
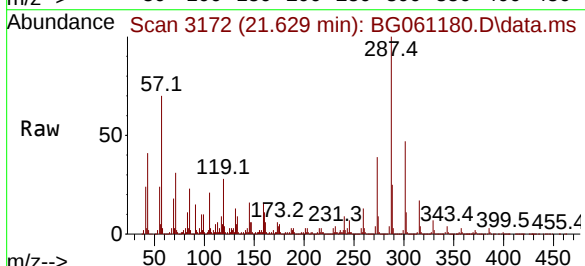
Tgt Ion:240 Resp: 204123

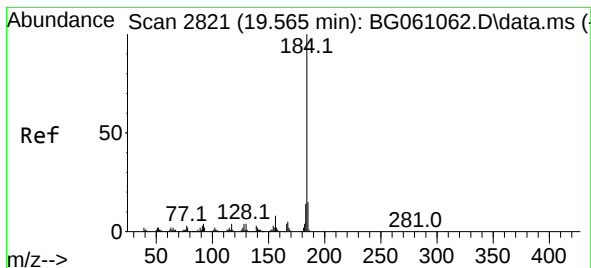
Ion Ratio Lower Upper

240 100

120 39.5 3.2 4.8#

236 27.3 21.0 31.6





#77

Benzidine

Concen: 2.891 ng

RT: 19.649 min Scan# 2

Delta R.T. 0.084 min

Lab File: BG061180.D

Acq: 13 May 2024 18:08

Instrument :

BNA_G

ClientSampleId :

SP25-06-20240510-WC

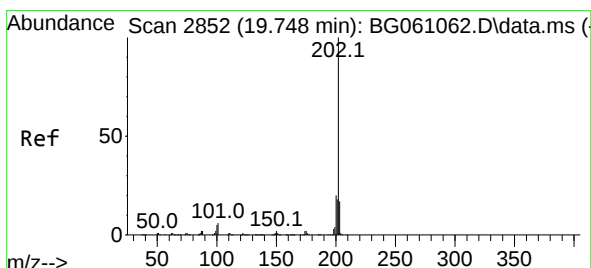
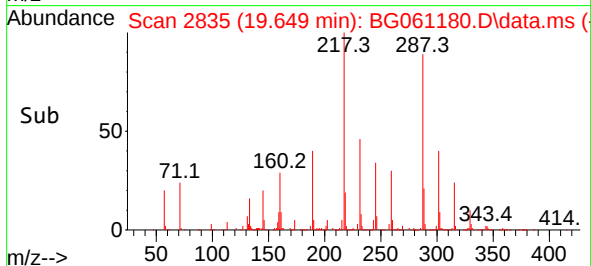
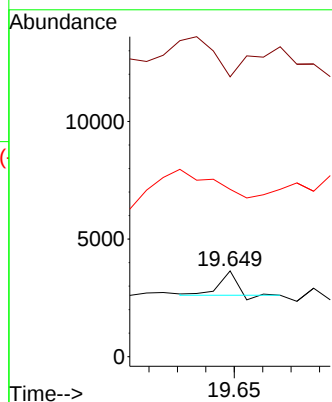
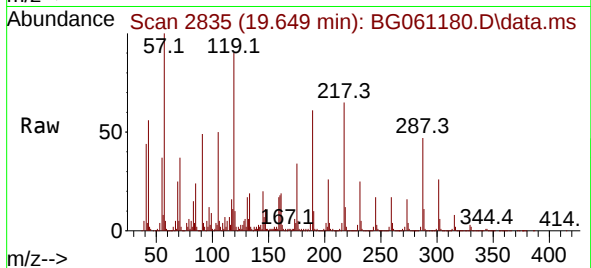
Tgt Ion:184 Resp: 395

Ion Ratio Lower Upper

184 100

185 326.1 12.0 18.0#

183 195.0 10.9 16.3#



#78

Pyrene

Concen: 7.540 ng

RT: 19.801 min Scan# 2861

Delta R.T. 0.054 min

Lab File: BG061180.D

Acq: 13 May 2024 18:08

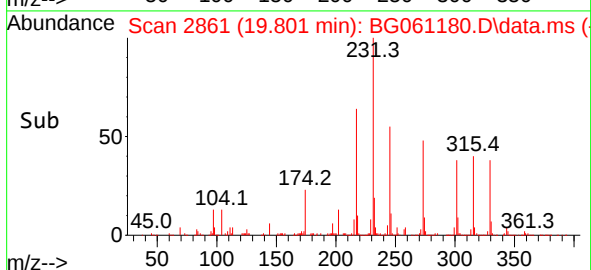
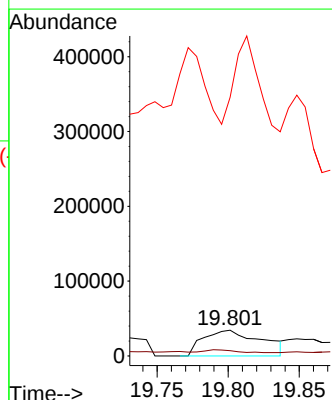
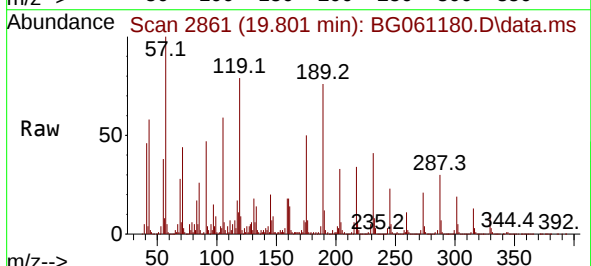
Tgt Ion:202 Resp: 97851

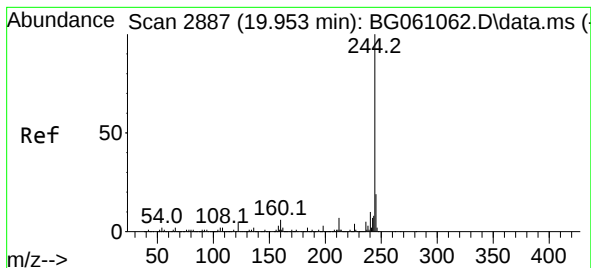
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

203 1006.1 13.3 19.9#





#79

Terphenyl-d14

Concen: 73.617 ng

RT: 19.989 min Scan# 2

Delta R.T. 0.036 min

Lab File: BG061180.D

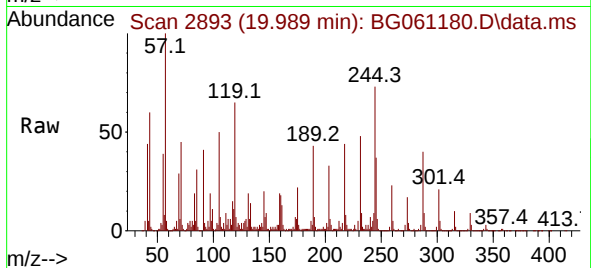
Acq: 13 May 2024 18:08

Instrument :

BNA_G

ClientSampleId :

SP25-06-20240510-WC



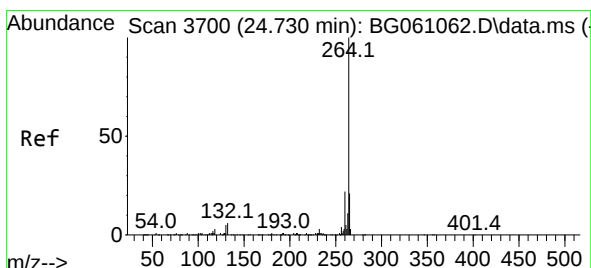
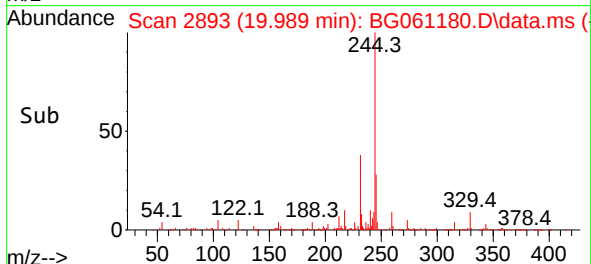
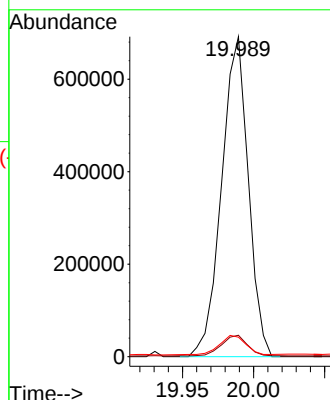
Tgt Ion:244 Resp: 903528

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 6.1 4.2 6.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.760 min Scan# 3705

Delta R.T. 0.030 min

Lab File: BG061180.D

Acq: 13 May 2024 18:08

Tgt Ion:264 Resp: 189435

Ion Ratio Lower Upper

264 100

260 24.3 17.7 26.5

265 23.1 16.4 24.6

