

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060117.D
 Acq On : 21 Dec 2023 3:17
 Operator : MA/JU
 Sample : 05791-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 597-P-2

Quant Time: Dec 21 04:23:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

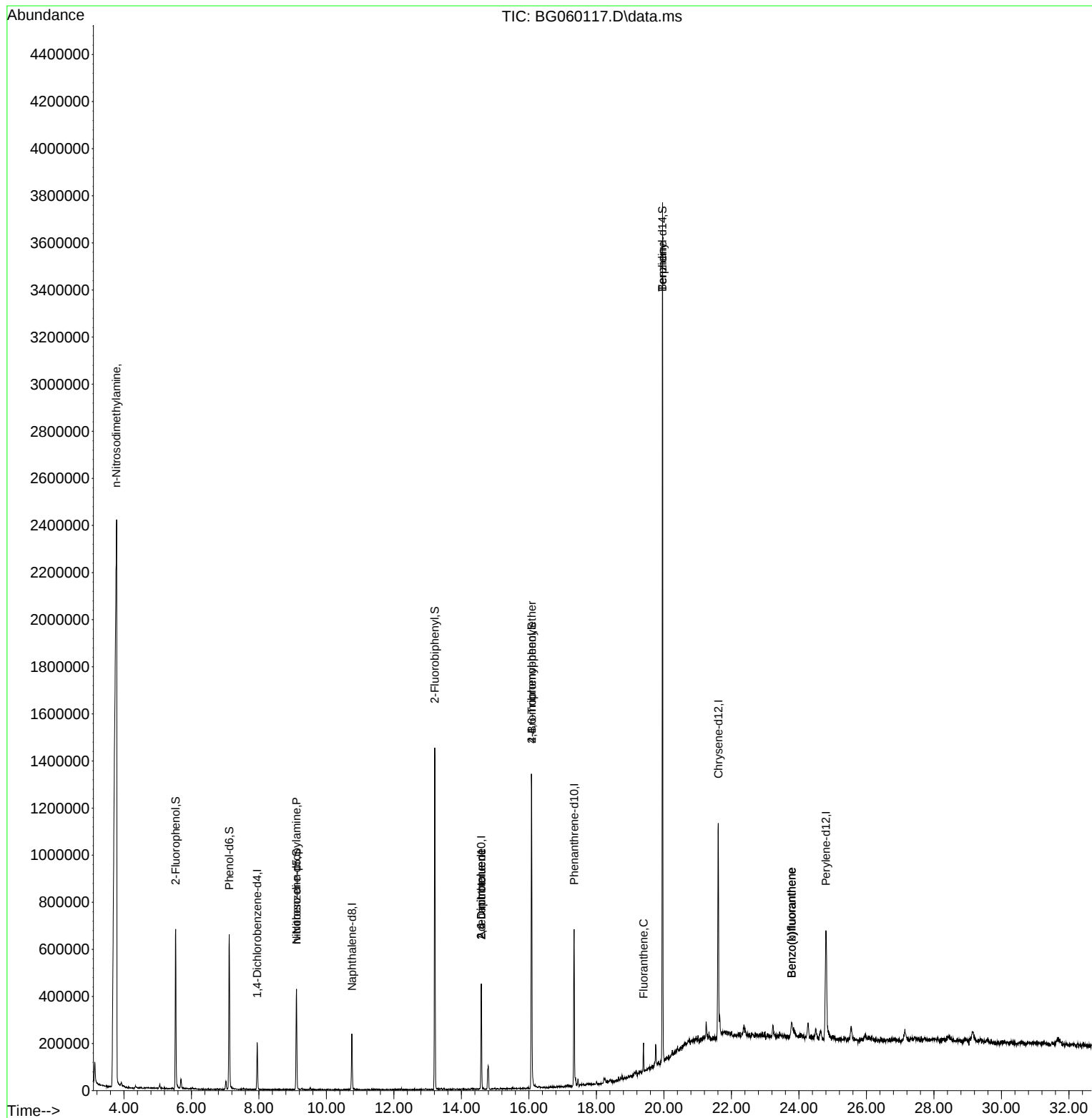
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	47689	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	167979	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	156161	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	473464	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	597528	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	672909	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	208086	74.695	ng	0.00
7) Phenol-d6	7.121	99	289836	73.962	ng	0.00
23) Nitrobenzene-d5	9.113	82	233091	63.009	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	362885	99.714	ng	0.00
45) 2-Fluorobiphenyl	13.208	172	793683	62.204	ng	0.00
79) Terphenyl-d14	19.959	244	2041909	62.389	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.778	42	355862	195.970	ng	# 1
19) n-Nitroso-di-n-propyla...	9.113	70	38598	15.267	ng	# 80
51) 2,6-Dinitrotoluene	14.589	165	22314	8.887	ng	# 25
57) 2,4-Dinitrotoluene	14.589	165	22314	6.322	ng	# 28
67) 4-Bromophenyl-phenylether	16.081	248	23327	3.492	ng	# 1
69) Atrazine	16.780	200	205	Below Cal		# 16
75) Fluoranthene	19.395	202	80682	2.411	ng	94
77) Benzidine	19.959	184	36090	4.702	ng	# 91
88) Benzo(b)fluoranthene	23.784	252	92388	2.223	ng	96
89) Benzo(k)fluoranthene	23.784	252	92388	2.292	ng	97

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

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597-P-2

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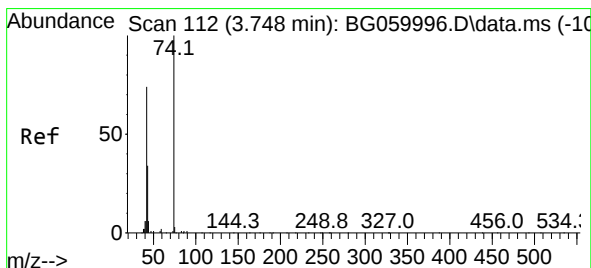
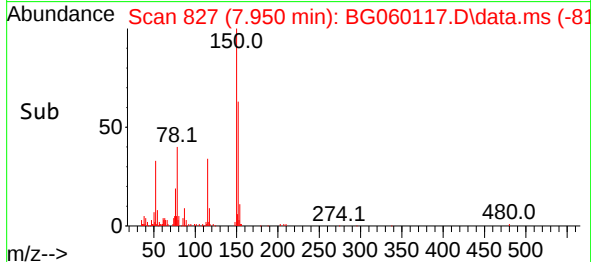
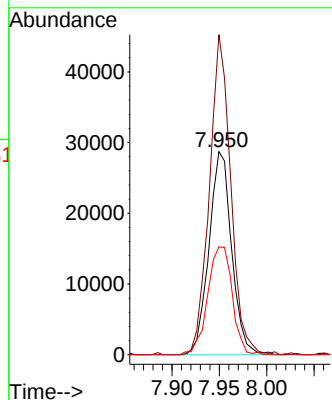
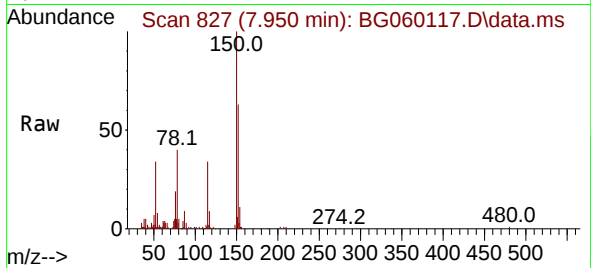




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

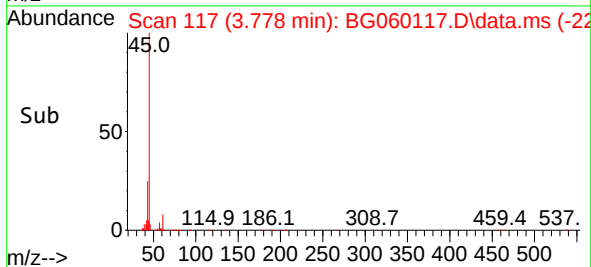
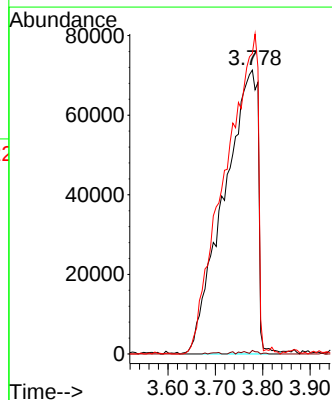
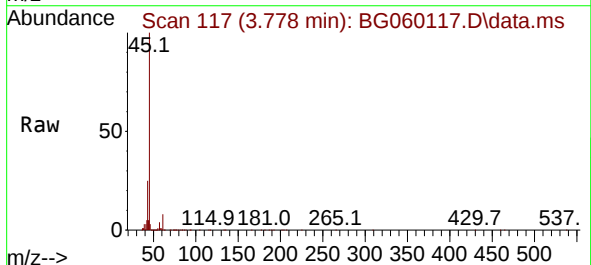
Instrument :
BNA_G
ClientSampleId :
597-P-2

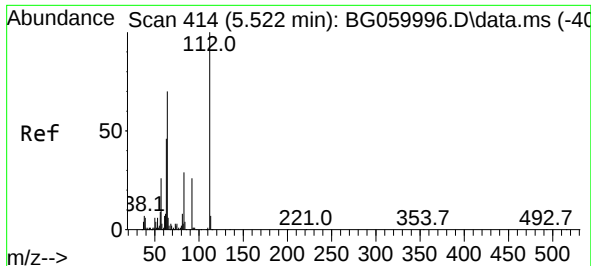
Tgt Ion:152 Resp: 47689
Ion Ratio Lower Upper
152 100
150 157.6 127.0 190.6
115 53.1 45.7 68.5



#4
n-Nitrosodimethylamine
Concen: 195.970 ng
RT: 3.778 min Scan# 117
Delta R.T. 0.026 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

Tgt Ion: 42 Resp: 355862
Ion Ratio Lower Upper
42 100
74 1.2 107.4 161.2#
44 105.9 6.0 9.0#

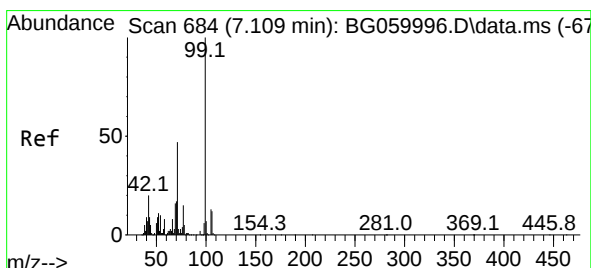
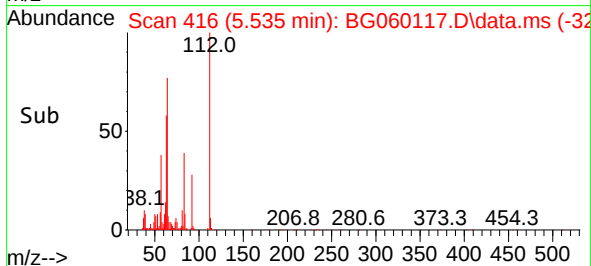
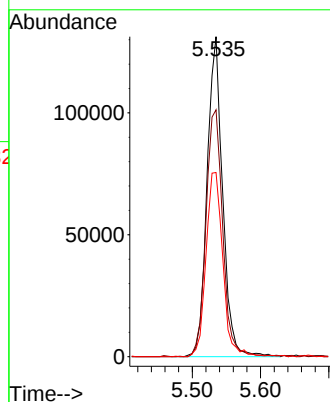
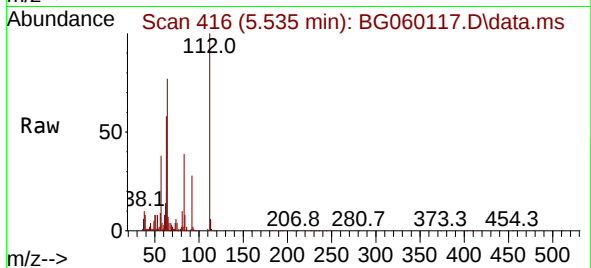




#5
2-Fluorophenol
Concen: 74.695 ng
RT: 5.535 min Scan# 414
Delta R.T. 0.009 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

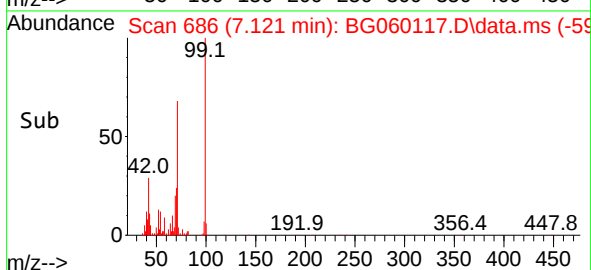
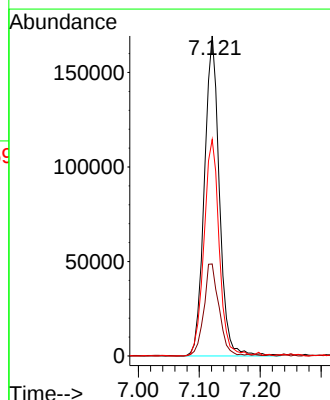
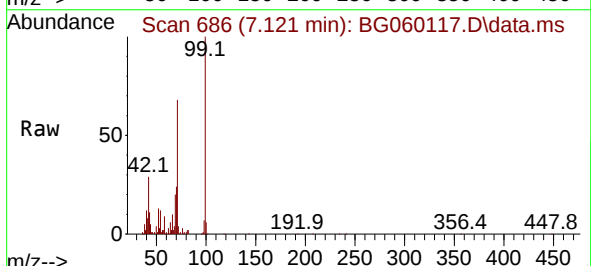
Instrument :
BNA_G
ClientSampleId :
597-P-2

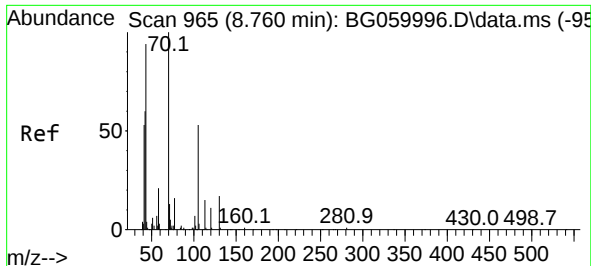
Tgt Ion:112 Resp: 208086
Ion Ratio Lower Upper
112 100
64 77.1 55.9 83.9
63 57.5 36.5 54.7#



#7
Phenol-d6
Concen: 73.962 ng
RT: 7.121 min Scan# 686
Delta R.T. 0.008 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

Tgt Ion: 99 Resp: 289836
Ion Ratio Lower Upper
99 100
42 28.7 16.2 24.4#
71 67.7 37.6 56.4#

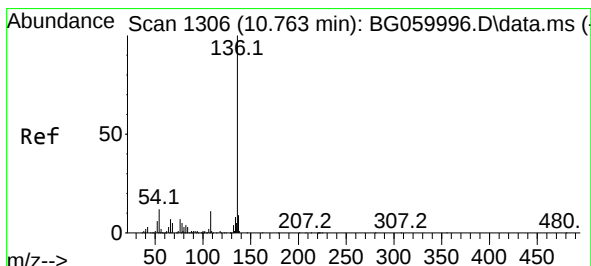
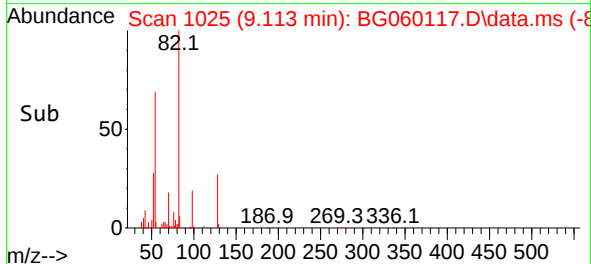
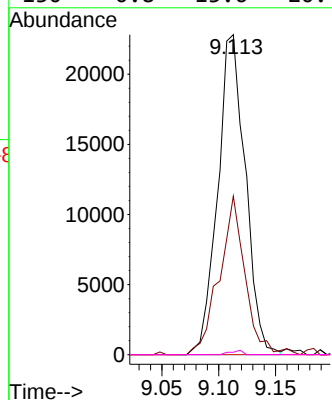
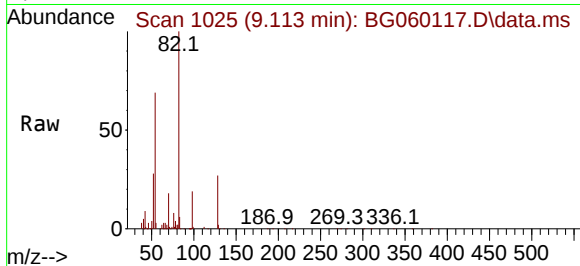




#19
n-Nitroso-di-n-propylamine
Concen: 15.267 ng
RT: 9.113 min Scan# 1025
Delta R.T. 0.349 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

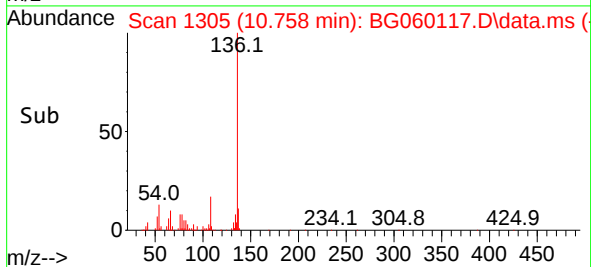
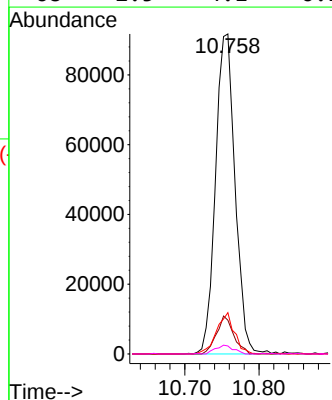
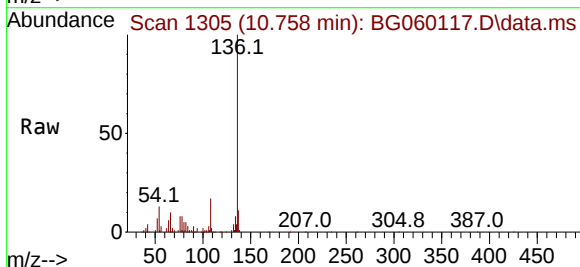
Instrument :
BNA_G
ClientSampleId :
597-P-2

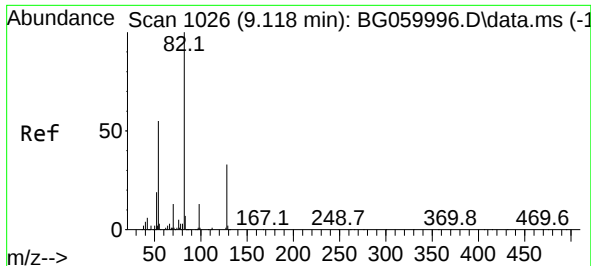
Tgt Ion: 70 Resp: 38598
Ion Ratio Lower Upper
70 100
42 49.6 48.6 73.0
101 0.0 5.7 8.5#
130 0.8 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.003 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

Tgt Ion:136 Resp: 167979
Ion Ratio Lower Upper
136 100
137 10.5 7.3 10.9
54 12.9 9.6 14.4
68 2.5 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 63.009 ng

RT: 9.113 min Scan# 1026

Delta R.T. -0.009 min

Lab File: BG060117.D

Acq: 21 Dec 2023 3:17

Instrument :

BNA_G

ClientSampleId :

597-P-2

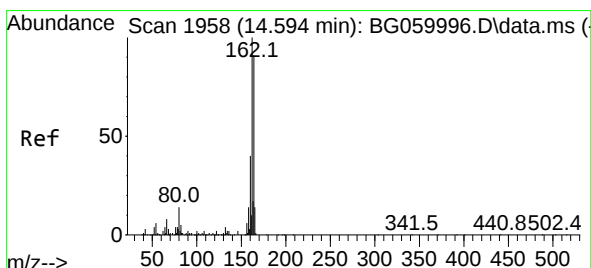
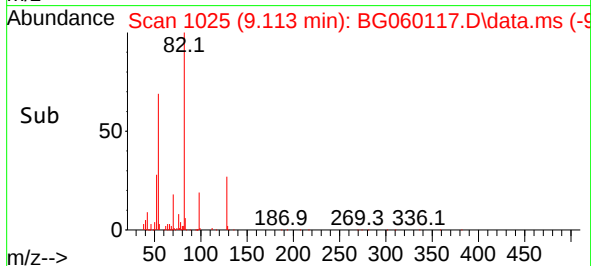
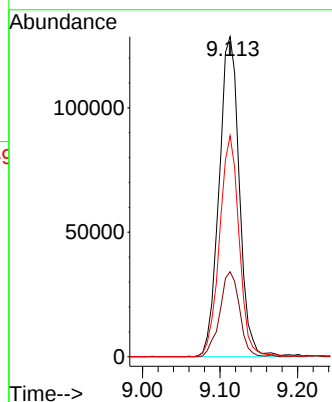
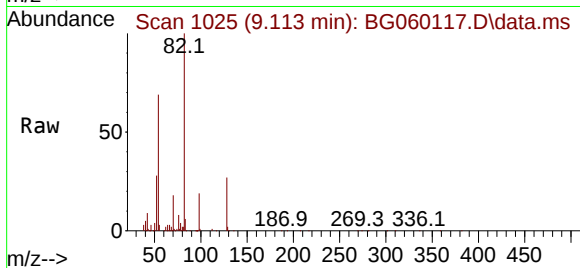
Tgt Ion: 82 Resp: 233091

Ion Ratio Lower Upper

82 100

128 26.5 26.3 39.5

54 69.1 44.3 66.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.589 min Scan# 1957

Delta R.T. -0.009 min

Lab File: BG060117.D

Acq: 21 Dec 2023 3:17

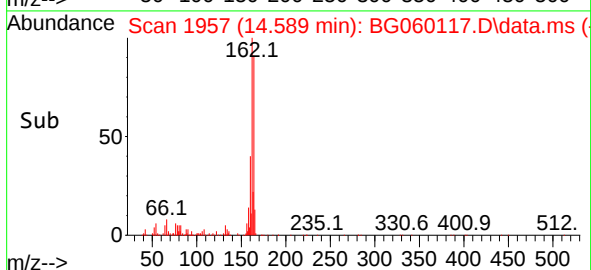
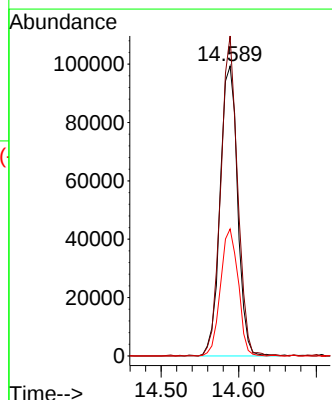
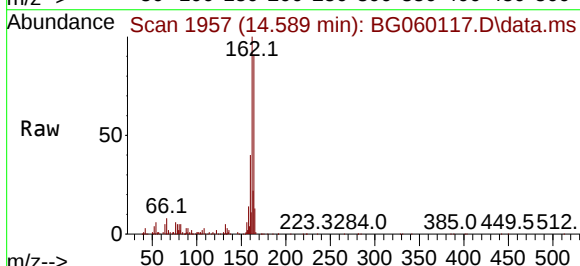
Tgt Ion:164 Resp: 156161

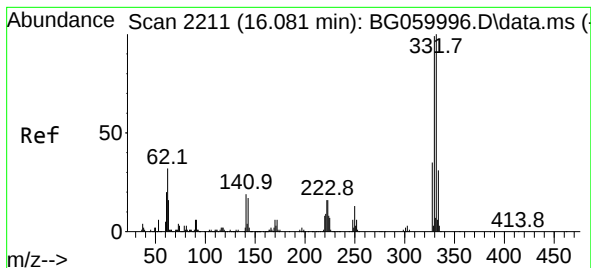
Ion Ratio Lower Upper

164 100

162 110.4 88.1 132.1

160 43.8 35.4 53.0

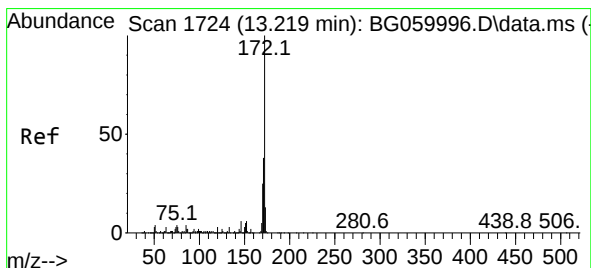
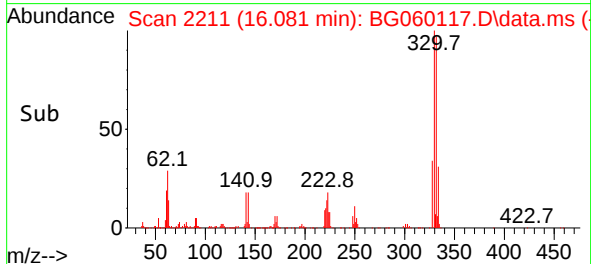
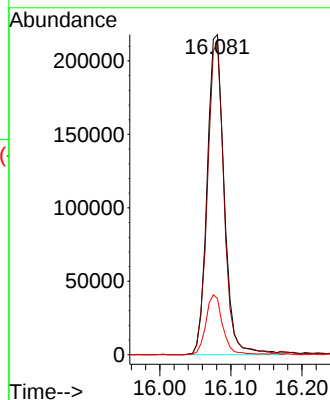
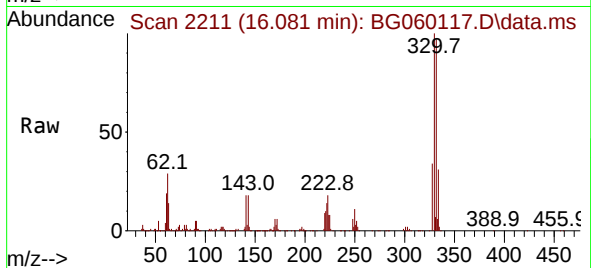




#42
2,4,6-Tribromophenol
Concen: 99.714 ng
RT: 16.081 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

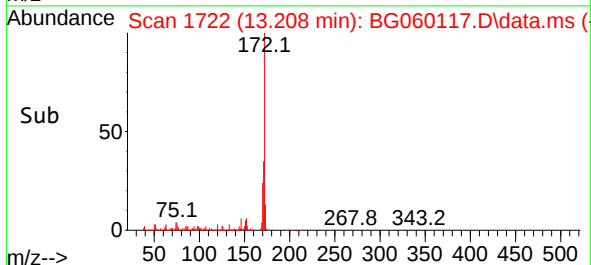
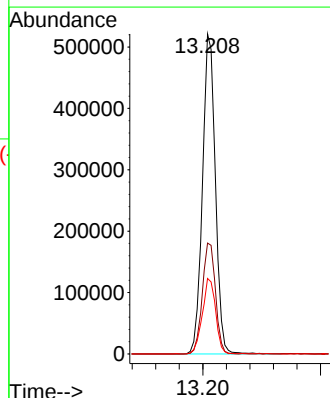
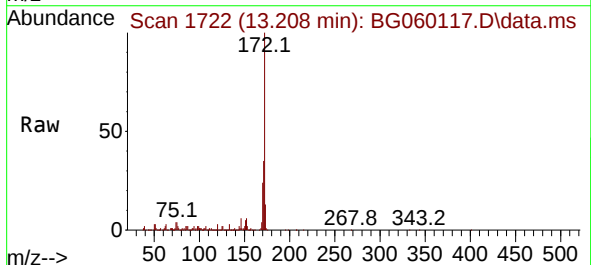
Instrument :
BNA_G
ClientSampleId :
597-P-2

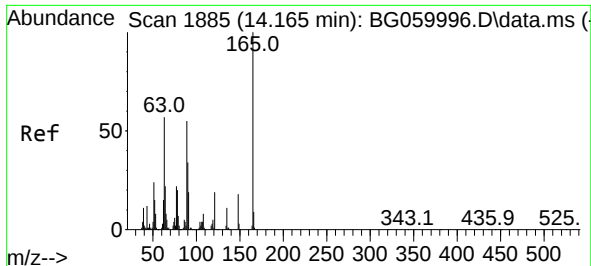
Tgt Ion:330 Resp: 362885
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 18.4 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 62.204 ng
RT: 13.208 min Scan# 1722
Delta R.T. -0.009 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

Tgt Ion:172 Resp: 793683
Ion Ratio Lower Upper
172 100
171 34.7 30.1 45.1
170 23.6 20.0 30.0

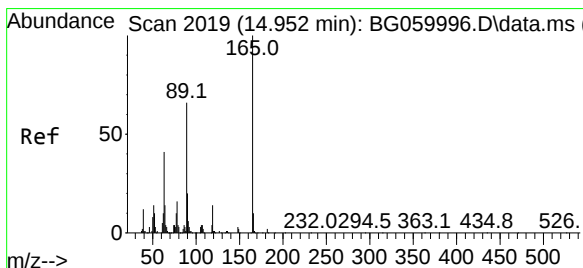
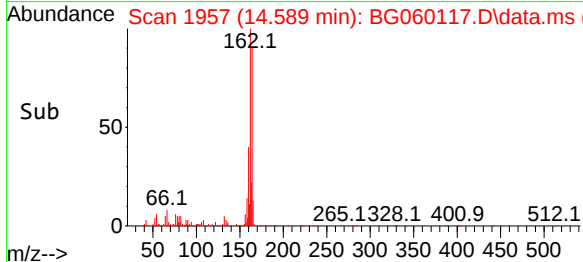
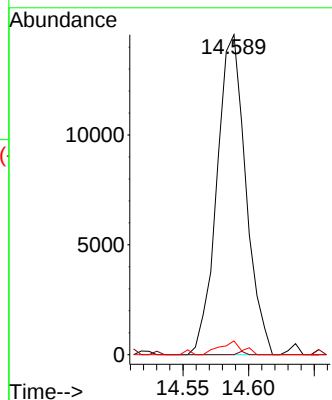
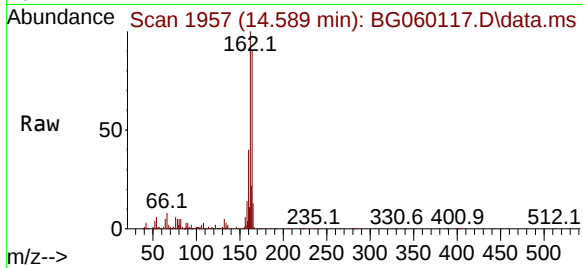




#51
2,6-Dinitrotoluene
Concen: 8.887 ng
RT: 14.589 min Scan# 1957
Delta R.T. 0.420 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

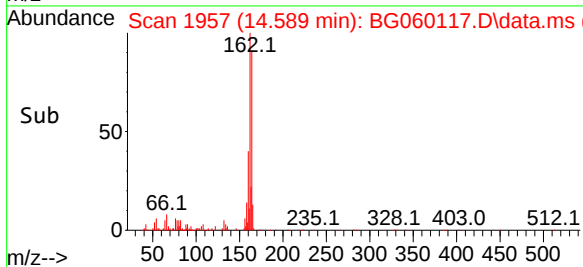
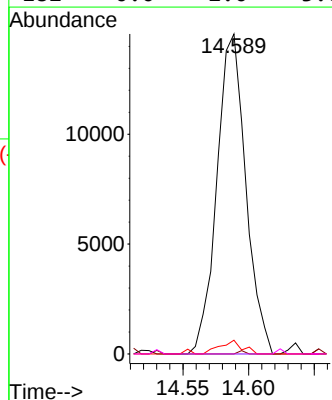
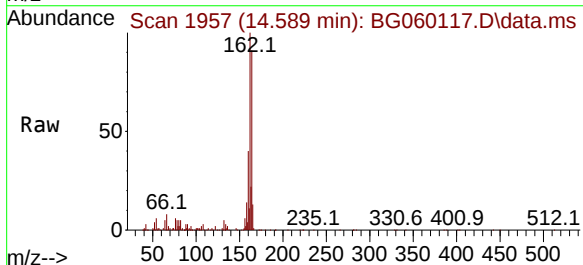
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ClientSampleId :
597-P-2

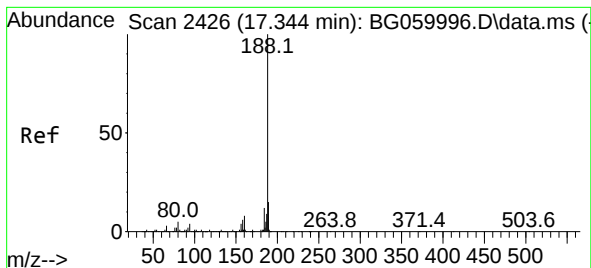
Tgt Ion:165 Resp: 22314
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 4.3 44.4 66.6#



#57
2,4-Dinitrotoluene
Concen: 6.322 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.362 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

Tgt Ion:165 Resp: 22314
Ion Ratio Lower Upper
165 100
63 0.0 32.8 49.2#
89 4.3 53.0 79.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 24

Delta R.T. -0.009 min

Lab File: BG060117.D

Acq: 21 Dec 2023 3:17

Instrument :

BNA_G

ClientSampleId :

597-P-2

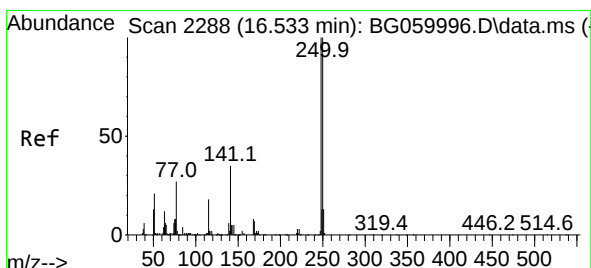
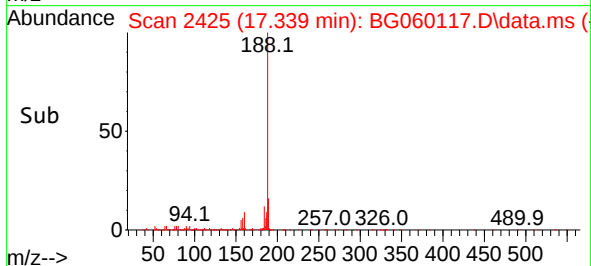
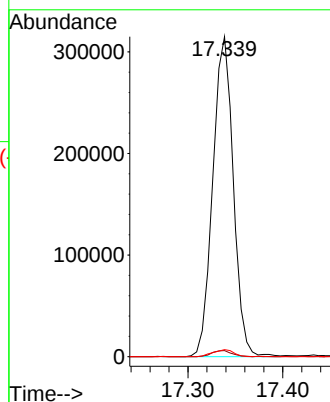
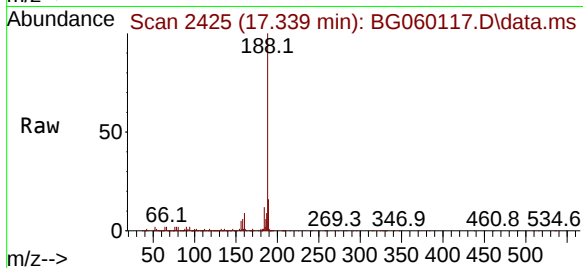
Tgt Ion:188 Resp: 473464

Ion Ratio Lower Upper

188 100

94 1.9 3.0 4.6#

80 2.2 4.0 6.0#



#67

4-Bromophenyl-phenylether

Concen: 3.492 ng

RT: 16.081 min Scan# 2211

Delta R.T. -0.456 min

Lab File: BG060117.D

Acq: 21 Dec 2023 3:17

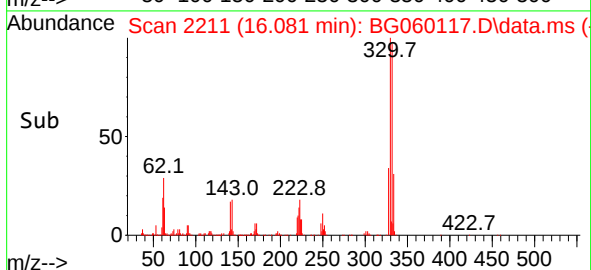
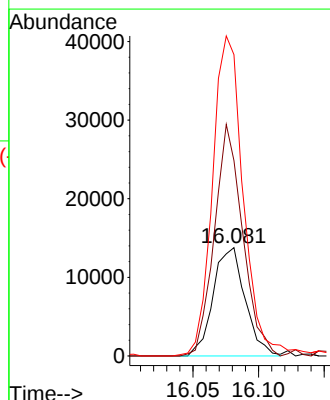
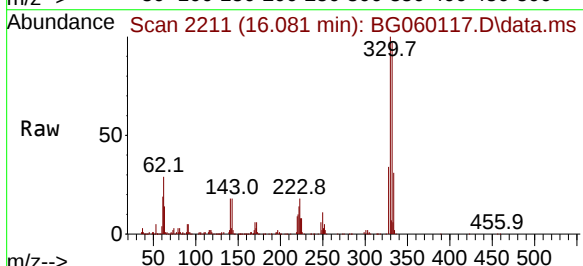
Tgt Ion:248 Resp: 23327

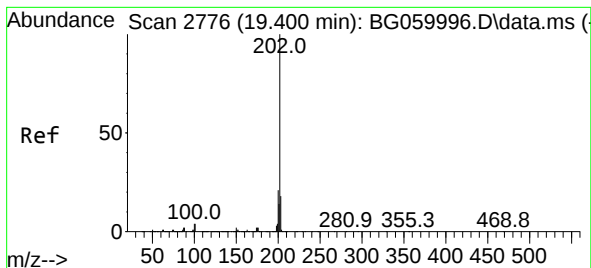
Ion Ratio Lower Upper

248 100

250 230.1 79.9 119.9#

141 278.2 28.3 42.5#

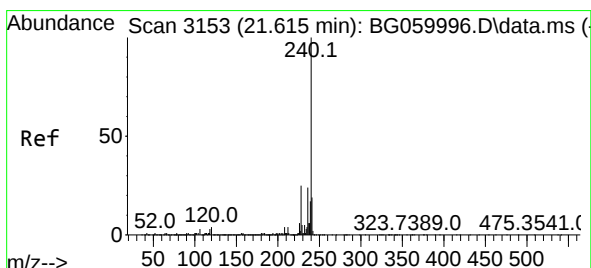
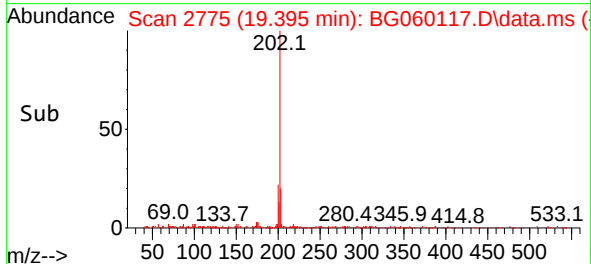
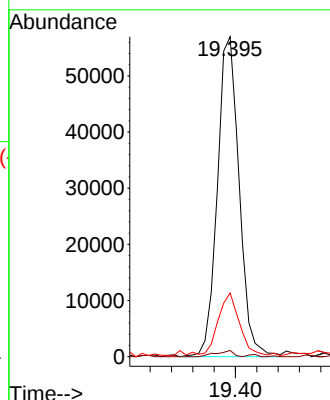
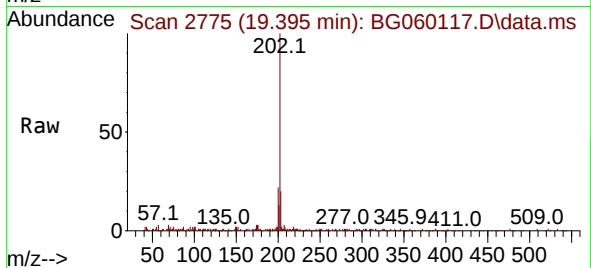




#75
Fluoranthene
Concen: 2.411 ng
RT: 19.395 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

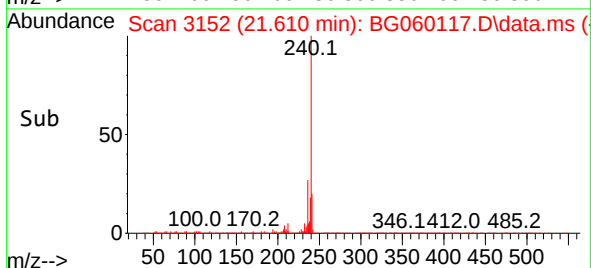
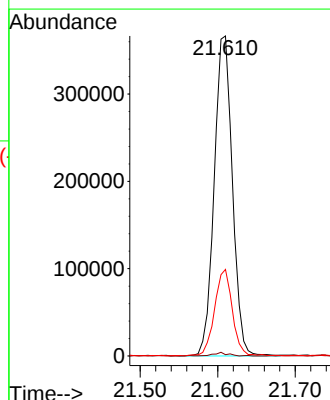
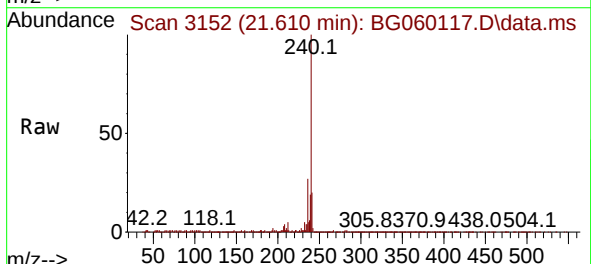
Instrument :
BNA_G
ClientSampleId :
597-P-2

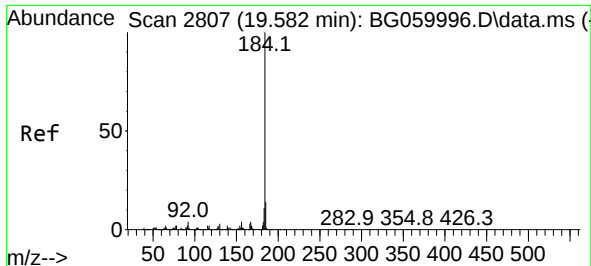
Tgt Ion:202 Resp: 80682
Ion Ratio Lower Upper
202 100
101 1.9 0.0 24.2
203 19.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.009 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

Tgt Ion:240 Resp: 597528
Ion Ratio Lower Upper
240 100
120 0.4 2.9 4.3#
236 27.1 19.4 29.2

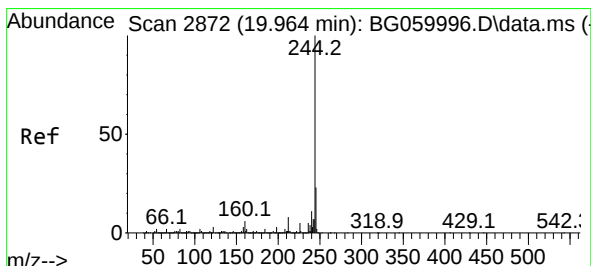
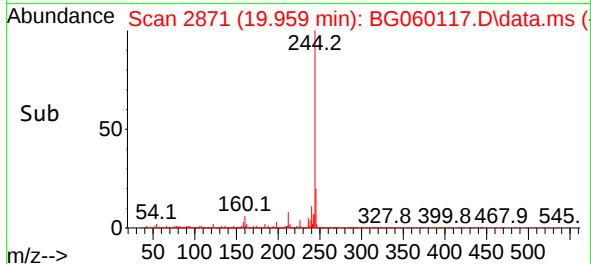
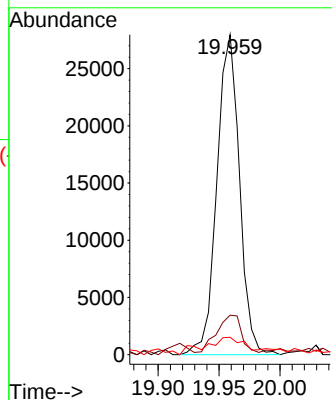
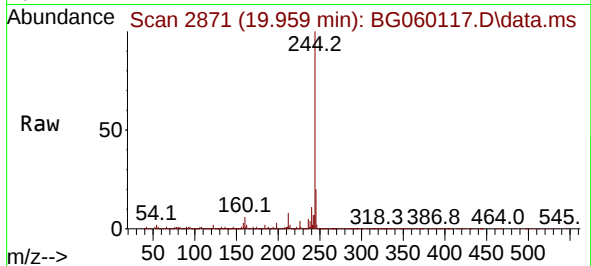




#77
Benzidine
Concen: 4.702 ng
RT: 19.959 min Scan# 2871
Delta R.T. 0.373 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

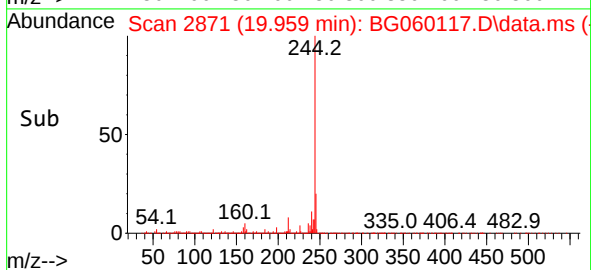
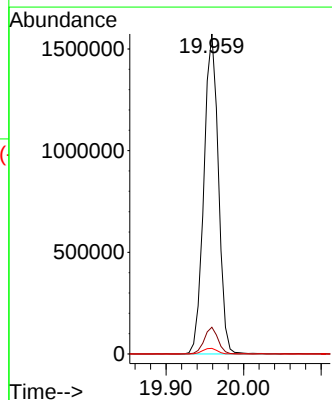
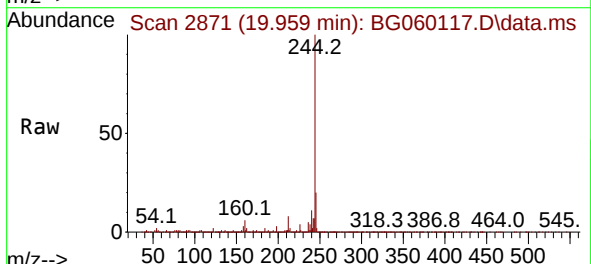
Instrument :
BNA_G
ClientSampleId :
597-P-2

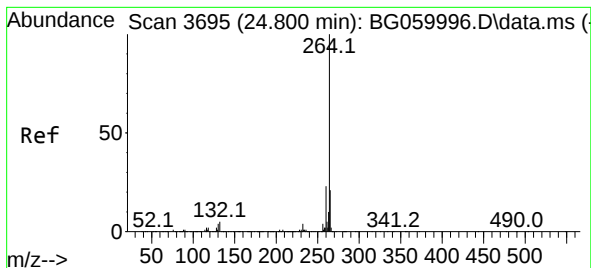
Tgt Ion:184 Resp: 36090
Ion Ratio Lower Upper
184 100
185 12.3 11.1 16.7
183 5.5 9.0 13.4#



#79
Terphenyl-d14
Concen: 62.389 ng
RT: 19.959 min Scan# 2871
Delta R.T. -0.009 min
Lab File: BG060117.D
Acq: 21 Dec 2023 3:17

Tgt Ion:244 Resp: 2041909
Ion Ratio Lower Upper
244 100
212 8.3 6.8 10.2
122 1.8 2.6 3.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.800 min Scan# 3

Delta R.T. -0.015 min

Lab File: BG060117.D

Acq: 21 Dec 2023 3:17

Instrument :

BNA_G

ClientSampleId :

597-P-2

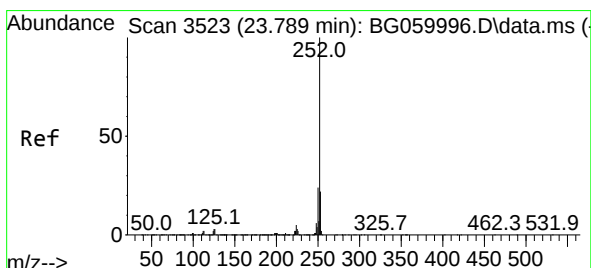
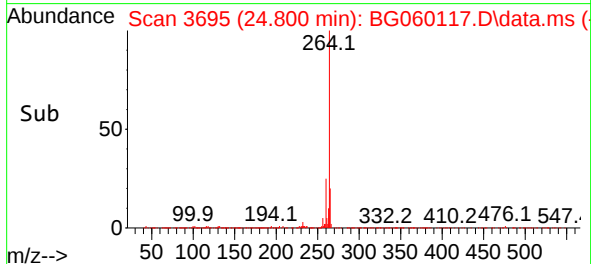
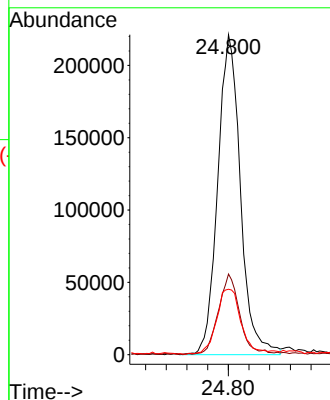
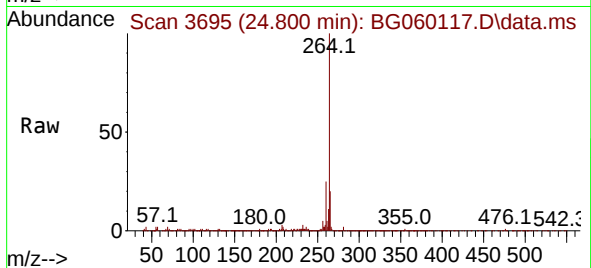
Tgt Ion:264 Resp: 672909

Ion Ratio Lower Upper

264 100

260 25.2 18.5 27.7

265 20.5 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 2.223 ng

RT: 23.784 min Scan# 3522

Delta R.T. -0.015 min

Lab File: BG060117.D

Acq: 21 Dec 2023 3:17

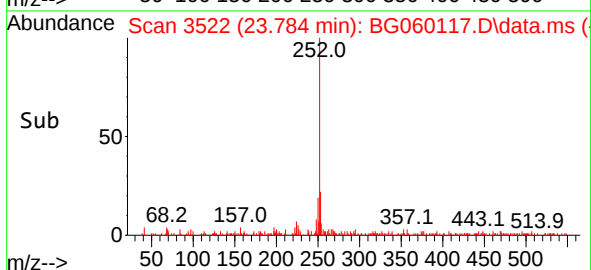
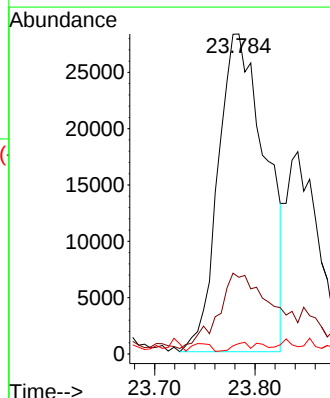
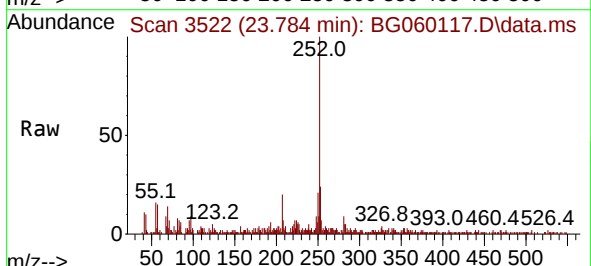
Tgt Ion:252 Resp: 92388

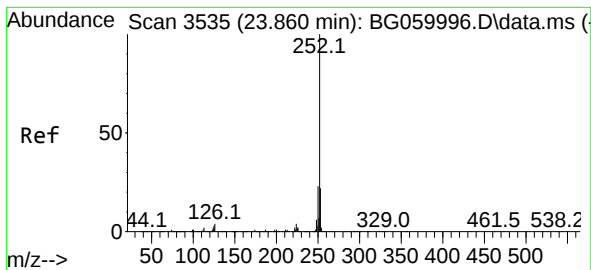
Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 3.2 2.6 4.0





#89

Benzo(k)fluoranthene

Concen: 2.292 ng

RT: 23.784 min Scan# 3

Delta R.T. -0.085 min

Lab File: BG060117.D

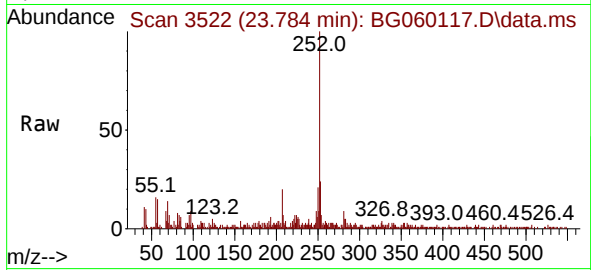
Acq: 21 Dec 2023 3:17

Instrument :

BNA_G

ClientSampleId :

597-P-2



Tgt Ion:252 Resp: 92388

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 3.2 2.5 3.7

