

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060072.D
 Acq On : 18 Dec 2023 18:54
 Operator : MA/JU
 Sample : 05466-01DL2 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB21144DL2

Quant Time: Dec 19 04:40:39 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)

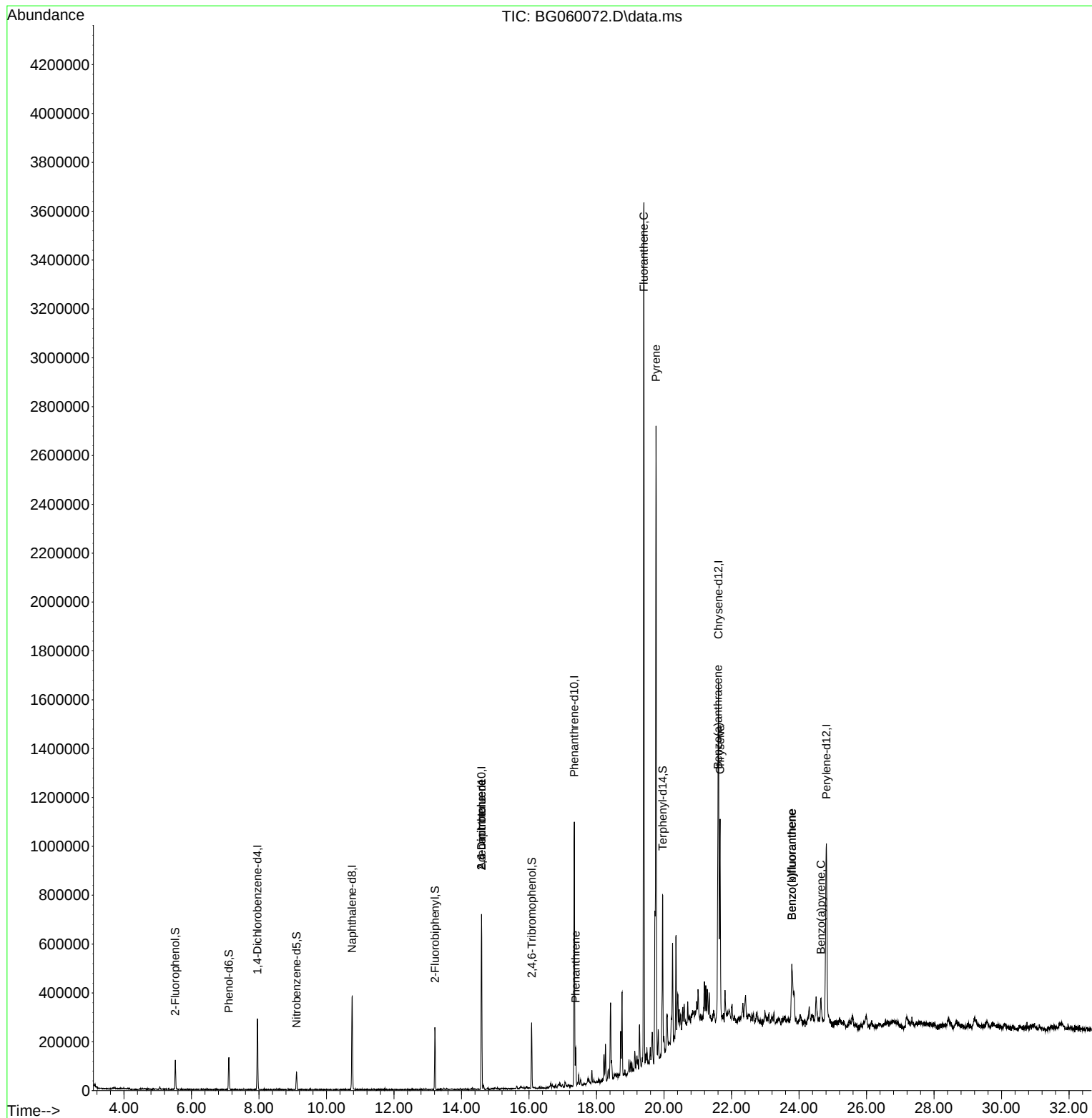
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	77419	20.000	ng	0.00
21) Naphthalene-d8	10.756	136	298125	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	257223	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	757229	20.000	ng	# 0.00
76) Chrysene-d12	21.614	240	809671	20.000	ng	# 0.00
86) Perylene-d12	24.810	264	904573	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	39714	8.781	ng	0.00
7) Phenol-d6	7.107	99	60586	9.524	ng	0.00
23) Nitrobenzene-d5	9.111	82	42096	6.412	ng	-0.01
42) 2,4,6-Tribromophenol	16.079	330	63044	10.517	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	144089	6.856	ng	0.00
79) Terphenyl-d14	19.963	244	368579	8.311	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.592	165	35232	8.518	ng	# 24
57) 2,4-Dinitrotoluene	14.592	165	35232	6.060	ng	# 27
69) Atrazine	16.637	200	84	Below Cal		70
71) Phenanthrene	17.383	178	108126	2.948	ng	# 94
75) Fluoranthene	19.404	202	2523178	47.142	ng	94
78) Pyrene	19.763	202	1912462	38.965	ng	99
81) Benzo(a)anthracene	21.596	228	437833	8.050	ng	99
83) Chrysene	21.661	228	643769	12.494	ng	95
88) Benzo(b)fluoranthene	23.788	252	341065	6.105	ng	# 94
89) Benzo(k)fluoranthene	23.788	252	341065	6.294	ng	# 95
90) Benzo(a)pyrene	24.645	252	139565	2.820	ng	# 90

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

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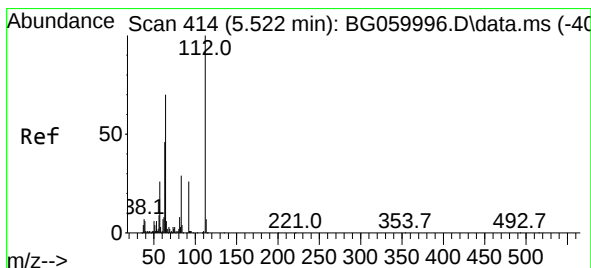
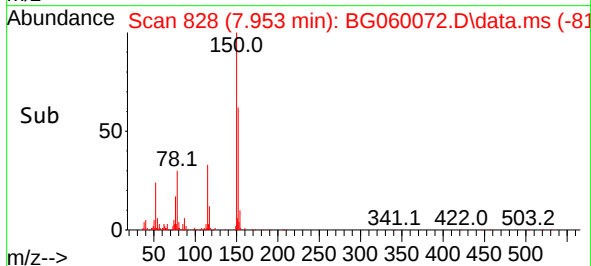
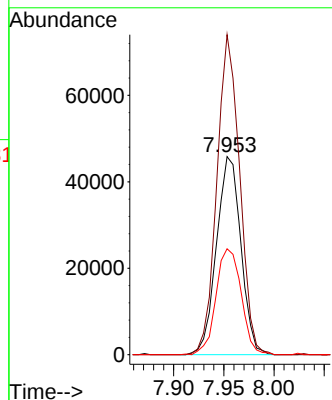
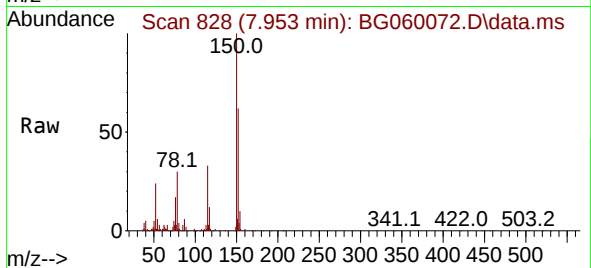




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.953 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BG060072.D
 Acq: 18 Dec 2023 18:54

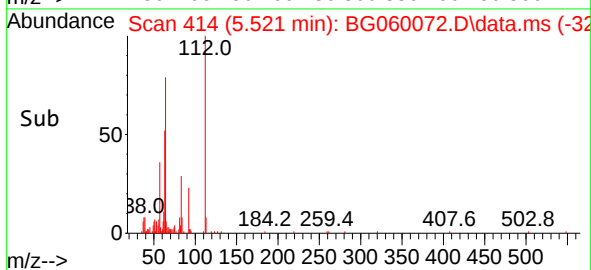
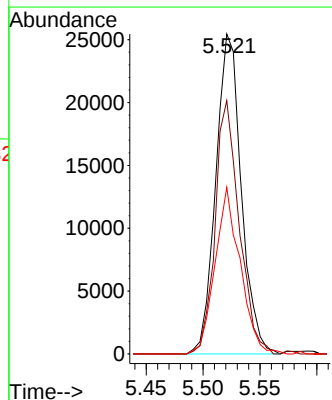
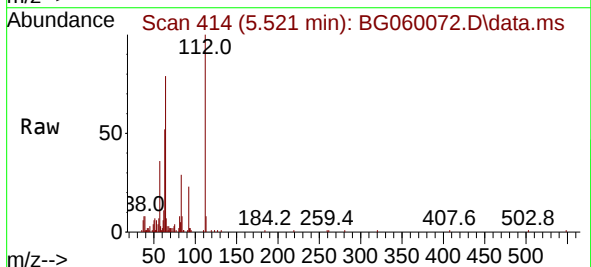
Instrument :
 BNA_G
 ClientSampleId :
 RB21144DL2

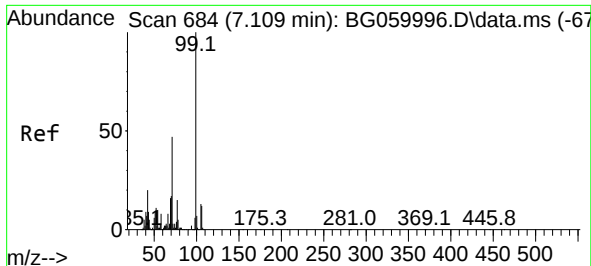
Tgt Ion:152 Resp: 77419
 Ion Ratio Lower Upper
 152 100
 150 161.6 127.0 190.6
 115 53.5 45.7 68.5



#5
 2-Fluorophenol
 Concen: 8.781 ng
 RT: 5.521 min Scan# 414
 Delta R.T. -0.005 min
 Lab File: BG060072.D
 Acq: 18 Dec 2023 18:54

Tgt Ion:112 Resp: 39714
 Ion Ratio Lower Upper
 112 100
 64 79.1 55.9 83.9
 63 52.1 36.5 54.7

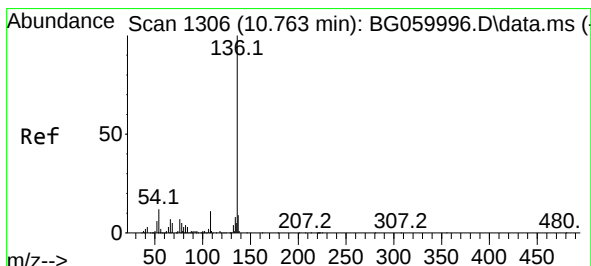
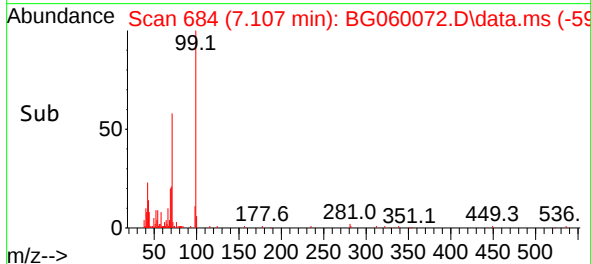
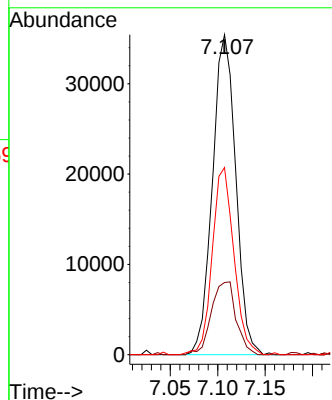
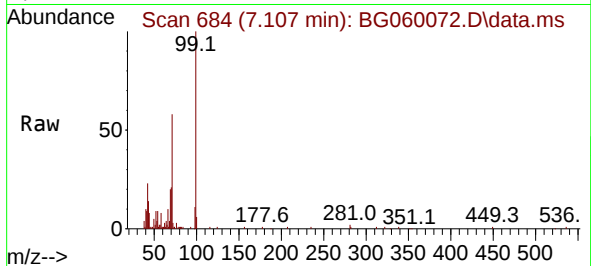




#7
Phenol-d6
Concen: 9.524 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

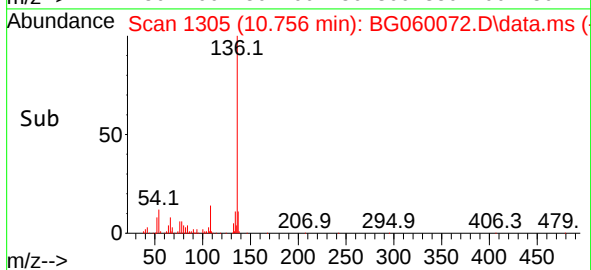
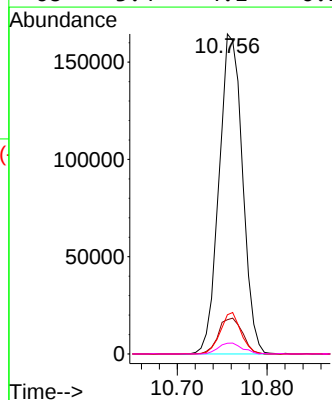
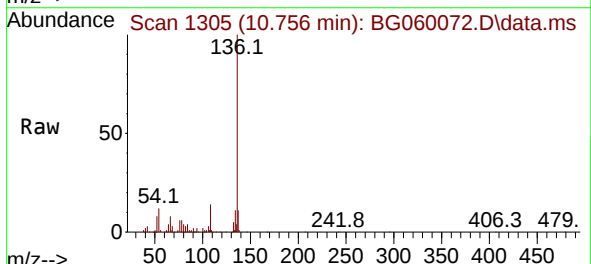
Instrument :
BNA_G
ClientSampleId :
RB21144DL2

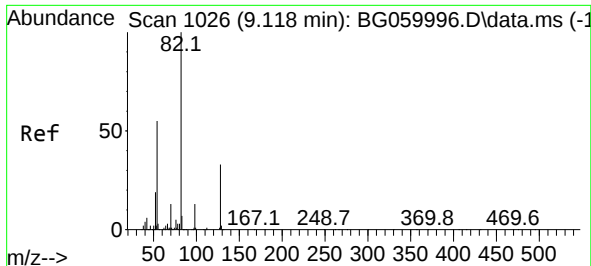
Tgt Ion: 99 Resp: 60586
Ion Ratio Lower Upper
99 100
42 22.5 16.2 24.4
71 58.5 37.6 56.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 1305
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:136 Resp: 298125
Ion Ratio Lower Upper
136 100
137 10.7 7.3 10.9
54 12.2 9.6 14.4
68 3.4 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 6.412 ng

RT: 9.111 min Scan# 1026

Delta R.T. -0.011 min

Lab File: BG060072.D

Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

ClientSampleId :

RB21144DL2

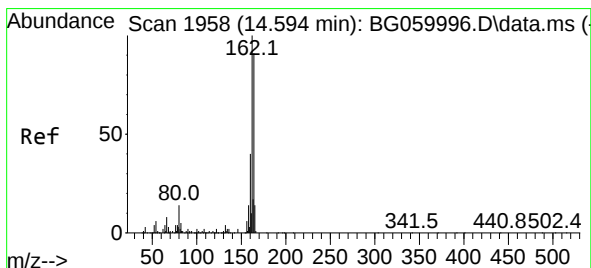
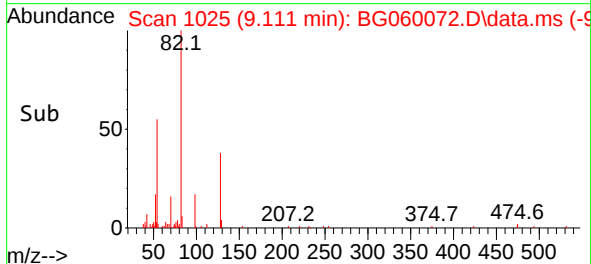
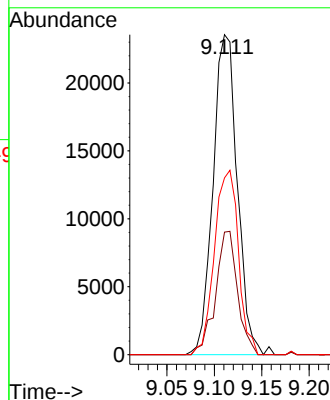
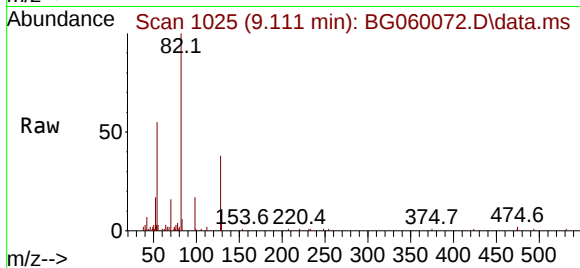
Tgt Ion: 82 Resp: 42096

Ion Ratio Lower Upper

82 100

128 38.3 26.3 39.5

54 55.2 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.005 min

Lab File: BG060072.D

Acq: 18 Dec 2023 18:54

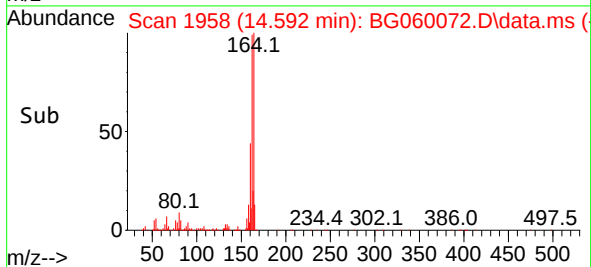
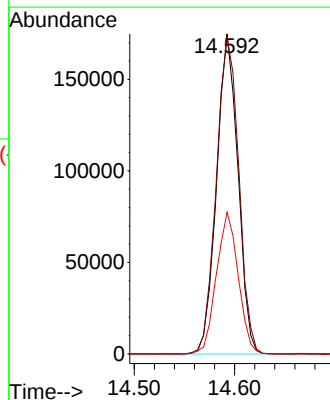
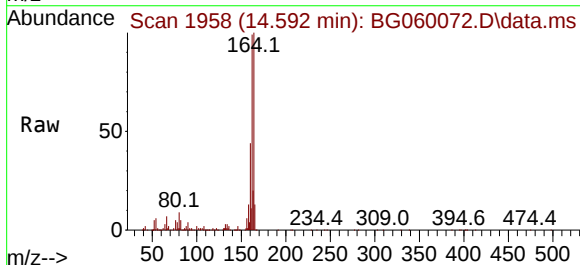
Tgt Ion:164 Resp: 257223

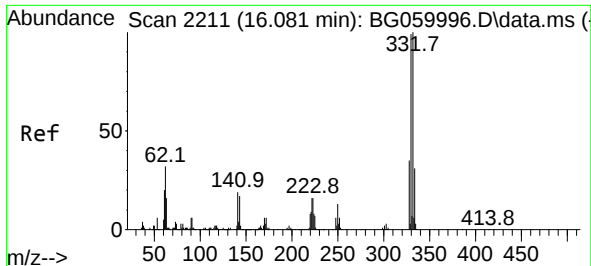
Ion Ratio Lower Upper

164 100

162 99.2 88.1 132.1

160 44.3 35.4 53.0

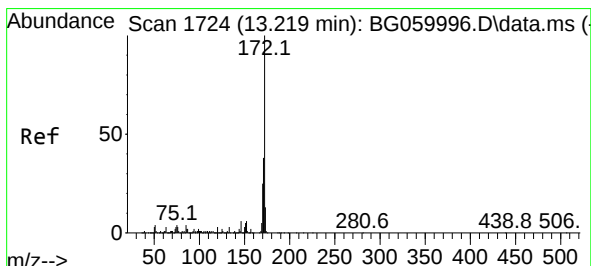
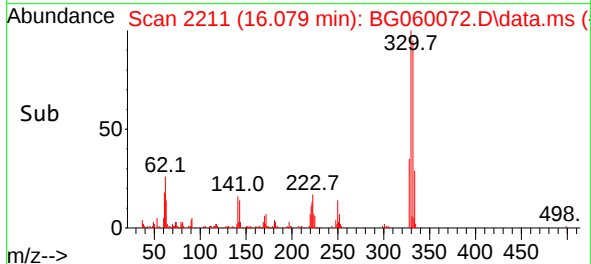
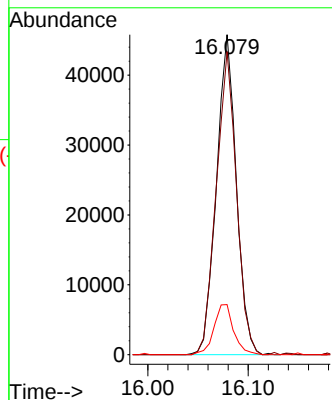
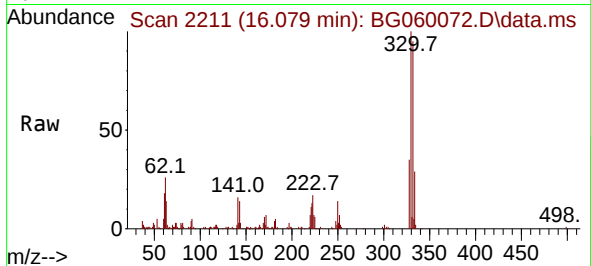




#42
2,4,6-Tribromophenol
Concen: 10.517 ng
RT: 16.079 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

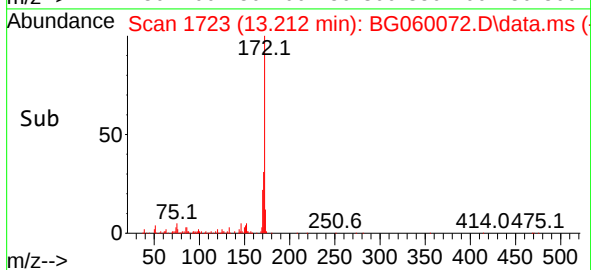
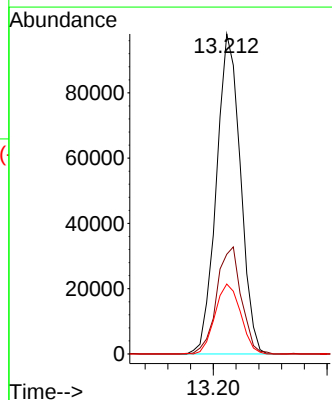
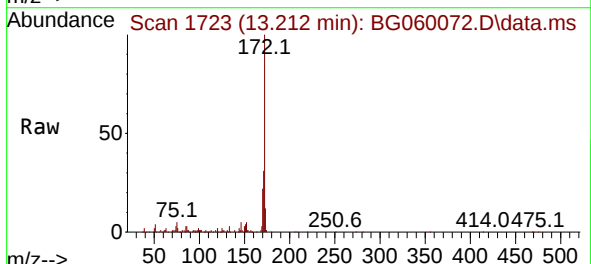
Instrument :
BNA_G
ClientSampleId :
RB21144DL2

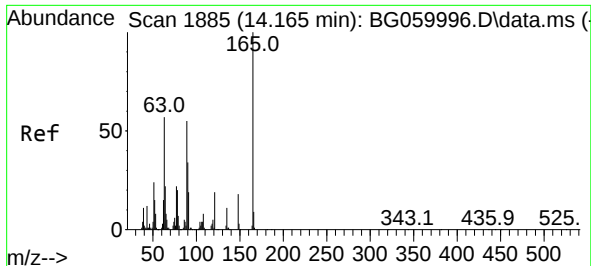
Tgt Ion:330 Resp: 63044
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 15.5 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 6.856 ng
RT: 13.212 min Scan# 1723
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:172 Resp: 144089
Ion Ratio Lower Upper
172 100
171 31.2 30.1 45.1
170 21.9 20.0 30.0

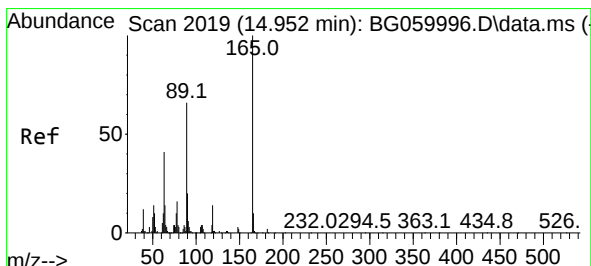
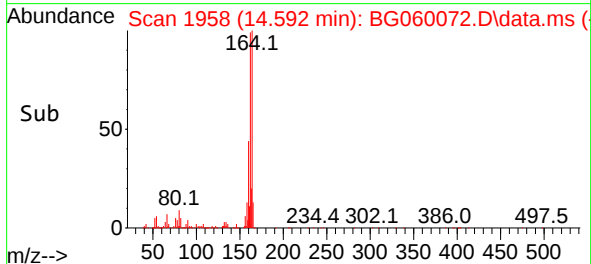
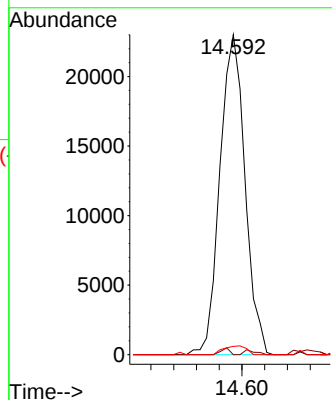
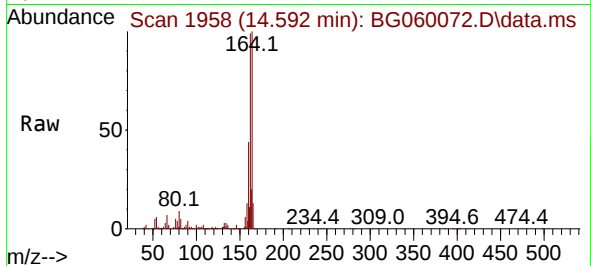




#51
2,6-Dinitrotoluene
Concen: 8.518 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.423 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

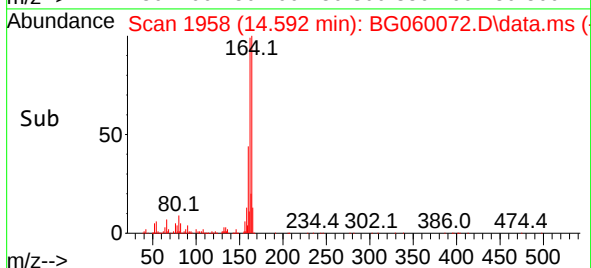
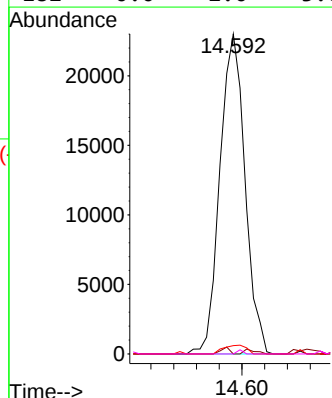
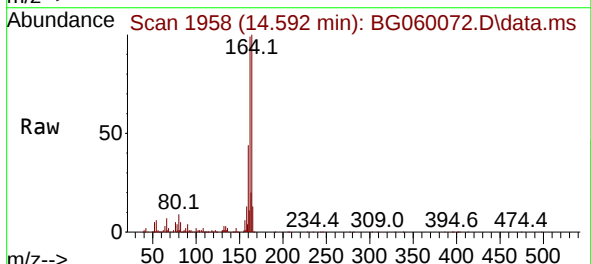
Instrument :
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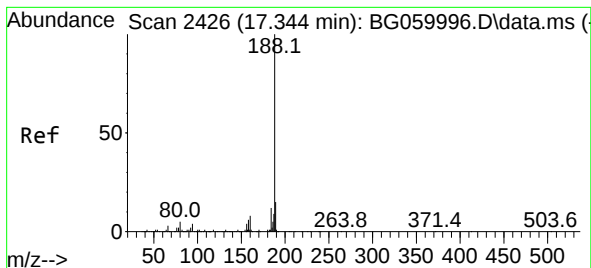
Tgt Ion:165 Resp: 35232
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 2.6 44.4 66.6#



#57
2,4-Dinitrotoluene
Concen: 6.060 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.358 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:165 Resp: 35232
Ion Ratio Lower Upper
165 100
63 0.0 32.8 49.2#
89 2.6 53.0 79.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2426

Delta R.T. -0.005 min

Lab File: BG060072.D

Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

ClientSampleId :

RB21144DL2

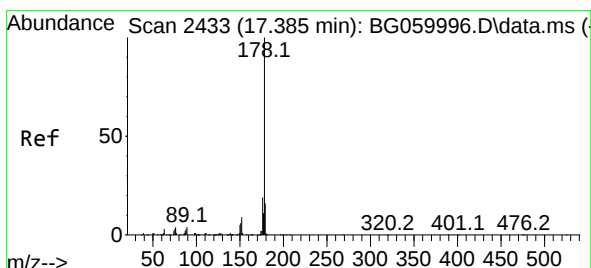
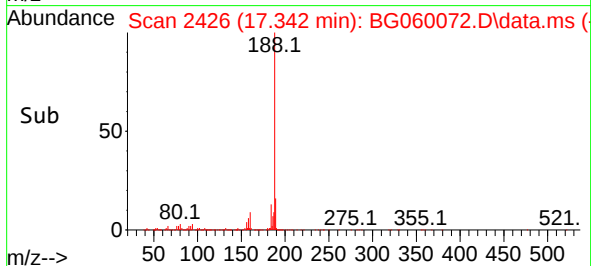
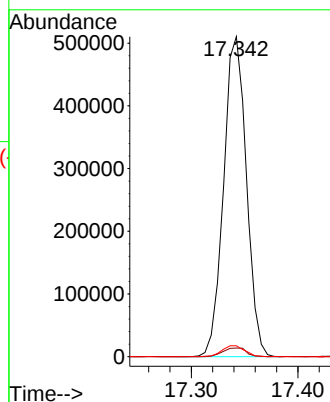
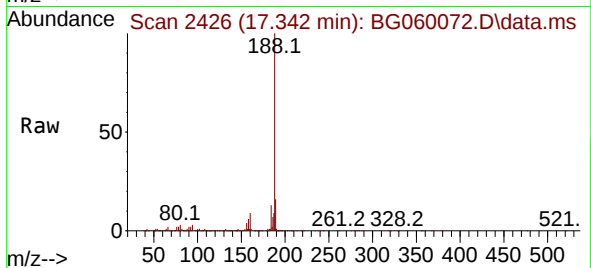
Tgt Ion:188 Resp: 757229

Ion Ratio Lower Upper

188 100

94 2.7 3.0 4.6#

80 3.4 4.0 6.0#



#71

Phenanthrene

Concen: 2.948 ng

RT: 17.383 min Scan# 2433

Delta R.T. -0.005 min

Lab File: BG060072.D

Acq: 18 Dec 2023 18:54

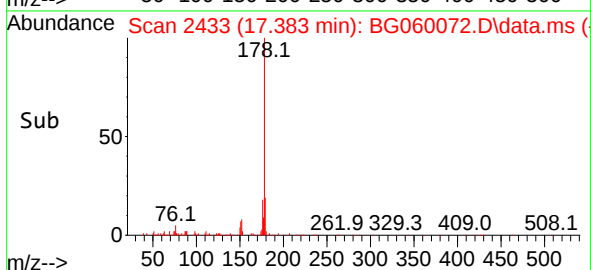
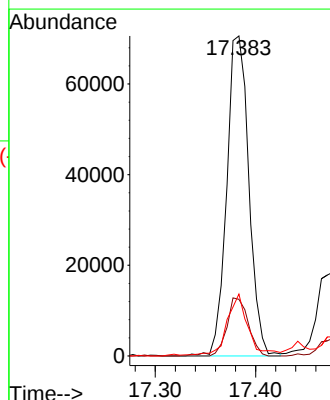
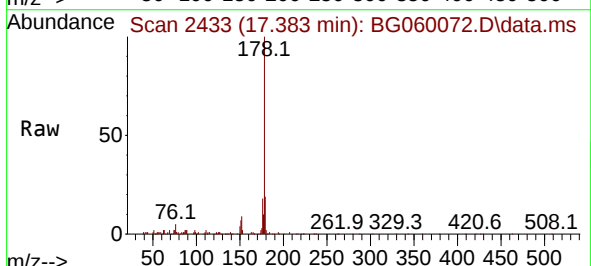
Tgt Ion:178 Resp: 108126

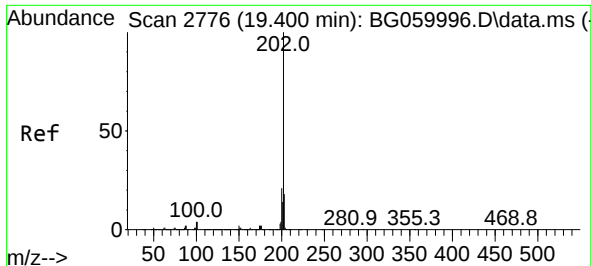
Ion Ratio Lower Upper

178 100

176 17.7 15.6 23.4

179 19.4 12.6 19.0#

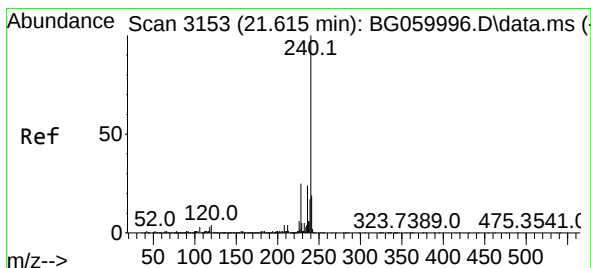
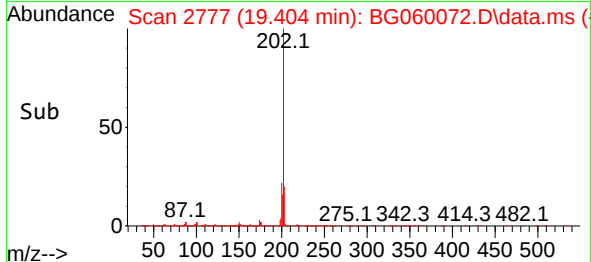
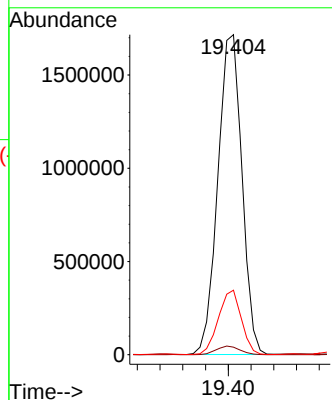
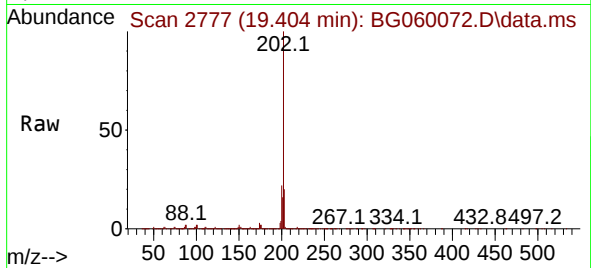




#75
Fluoranthene
Concen: 47.142 ng
RT: 19.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

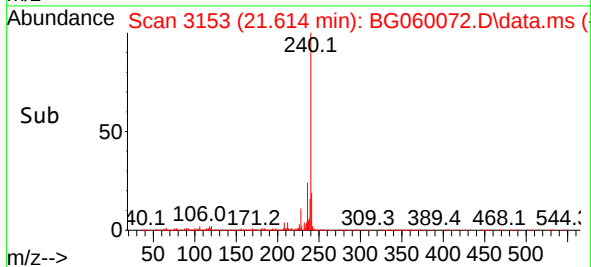
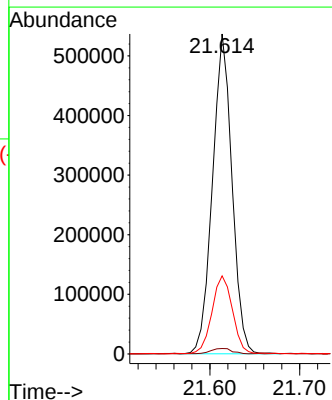
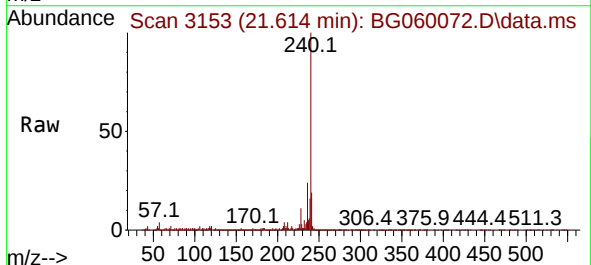
Instrument :
BNA_G
ClientSampleId :
RB21144DL2

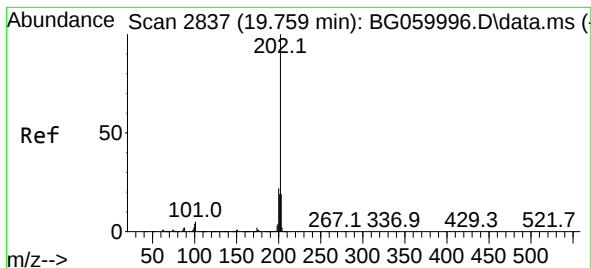
Tgt Ion:202 Resp: 2523178
Ion Ratio Lower Upper
202 100
101 2.3 0.0 24.2
203 20.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.614 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:240 Resp: 809671
Ion Ratio Lower Upper
240 100
120 1.7 2.9 4.3#
236 24.4 19.4 29.2





#78

Pyrene

Concen: 38.965 ng

RT: 19.763 min Scan# 2837

Delta R.T. 0.000 min

Lab File: BG060072.D

Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

ClientSampleId :

RB21144DL2

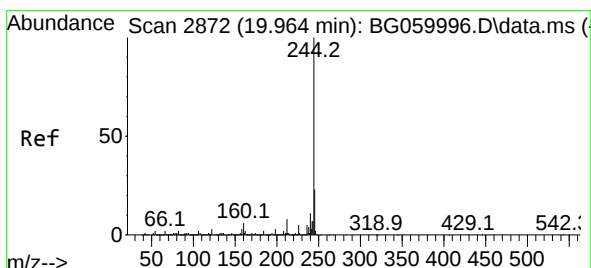
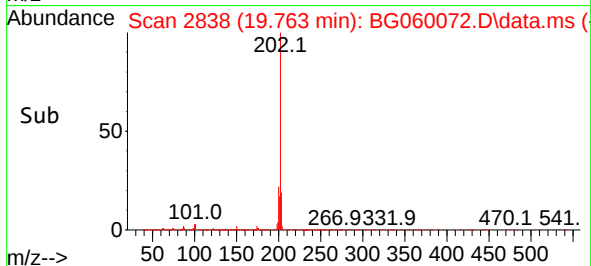
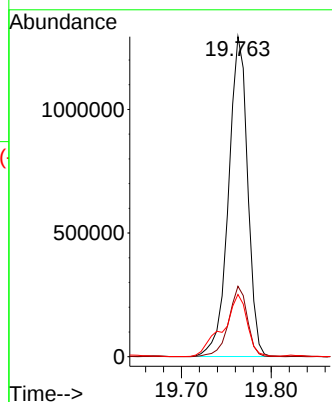
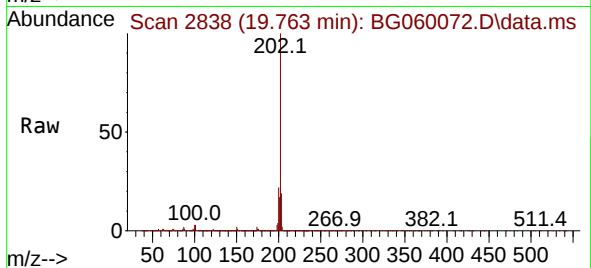
Tgt Ion:202 Resp: 1912462

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

203 19.4 14.9 22.3



#79

Terphenyl-d14

Concen: 8.311 ng

RT: 19.963 min Scan# 2872

Delta R.T. -0.005 min

Lab File: BG060072.D

Acq: 18 Dec 2023 18:54

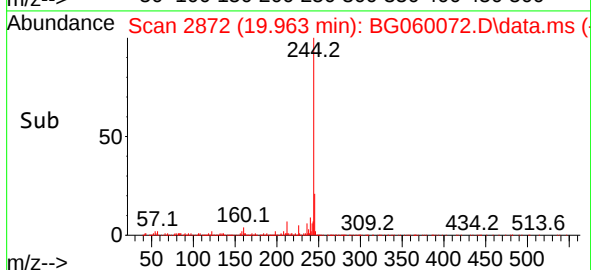
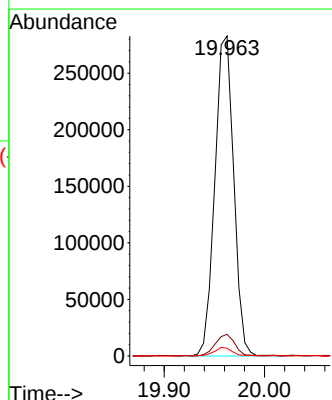
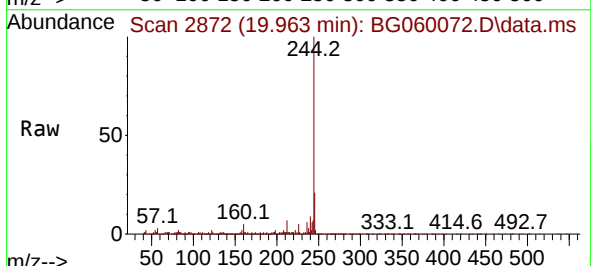
Tgt Ion:244 Resp: 368579

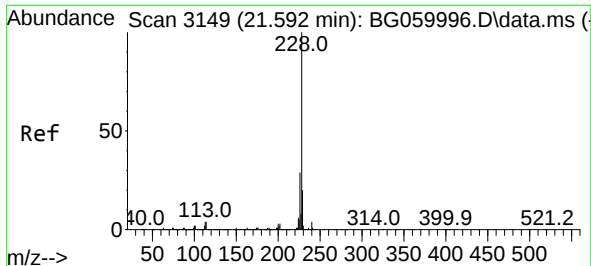
Ion Ratio Lower Upper

244 100

212 6.8 6.8 10.2#

122 2.4 2.6 3.8#

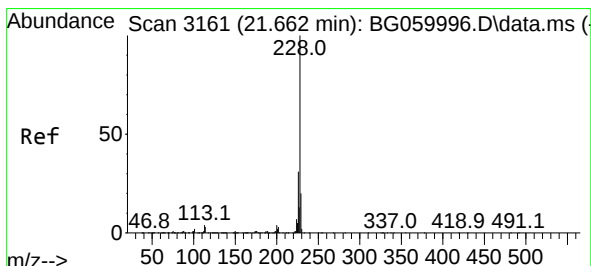
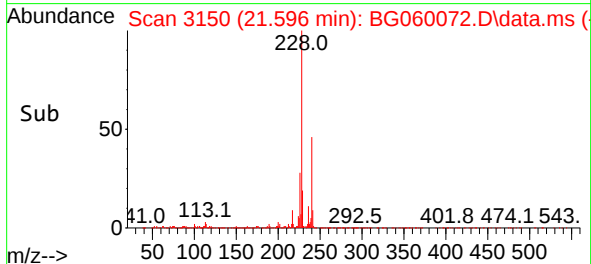
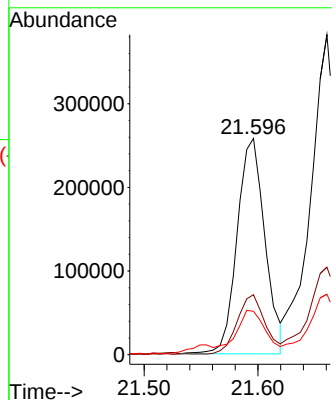
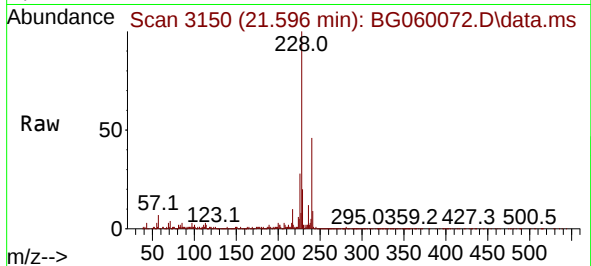




#81
Benzo(a)anthracene
Concen: 8.050 ng
RT: 21.596 min Scan# 3149
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

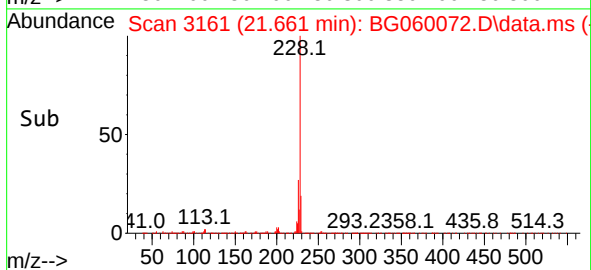
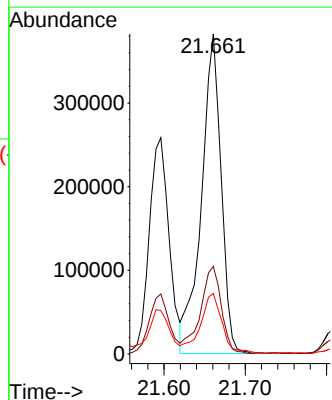
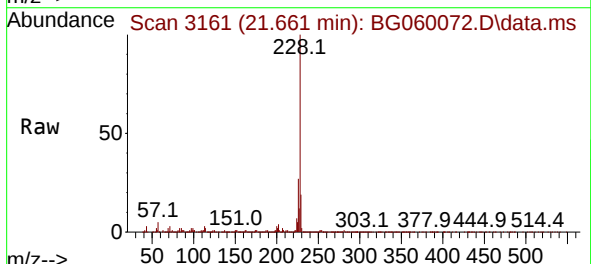
Instrument :
BNA_G
ClientSampleId :
RB21144DL2

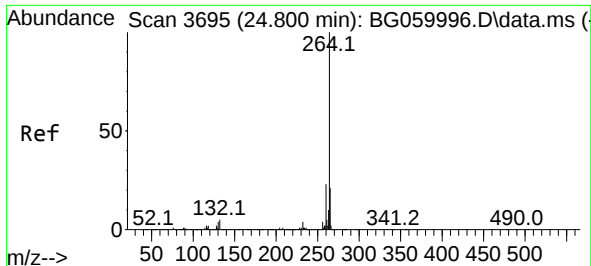
Tgt Ion:228 Resp: 437833
Ion Ratio Lower Upper
228 100
226 27.7 22.9 34.3
229 20.1 16.2 24.2



#83
Chrysene
Concen: 12.494 ng
RT: 21.661 min Scan# 3161
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:228 Resp: 643769
Ion Ratio Lower Upper
228 100
226 27.4 25.0 37.6
229 18.9 16.2 24.2



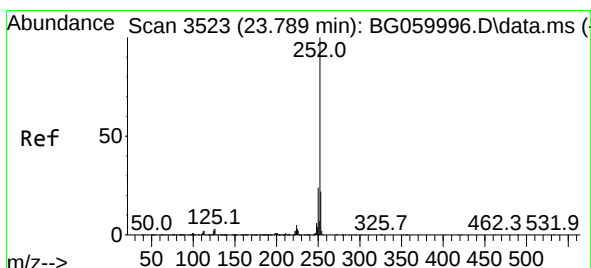
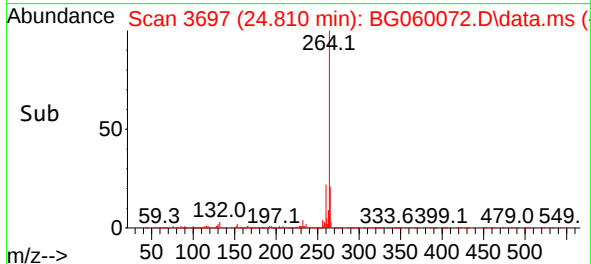
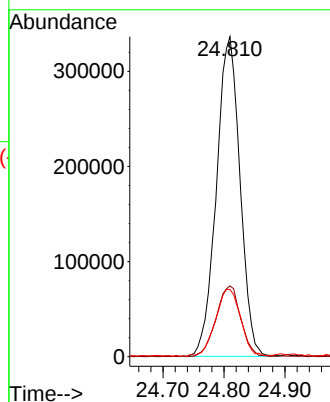
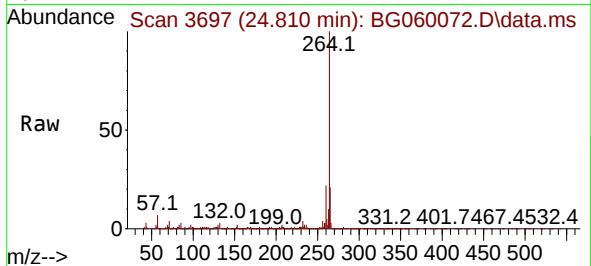


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.810 min Scan# 3697
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :
BNA_G
ClientSampleId :
RB21144DL2

Tgt Ion:264 Resp: 904573

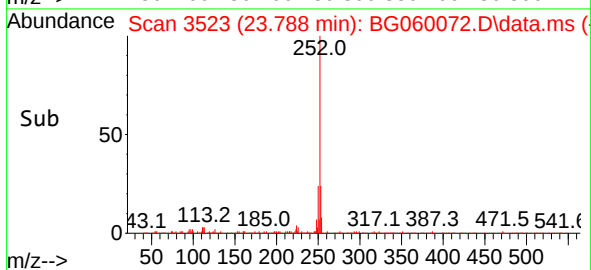
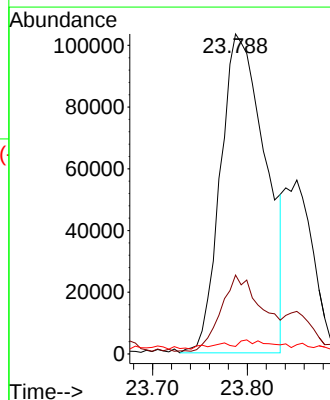
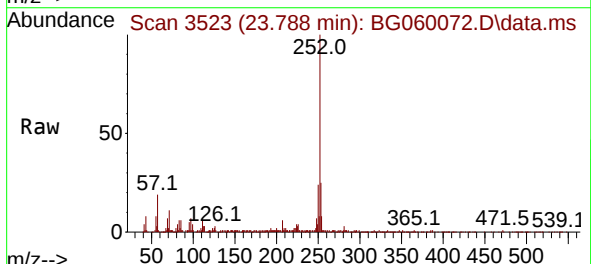
Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.5	27.7
265	21.0	17.3	25.9

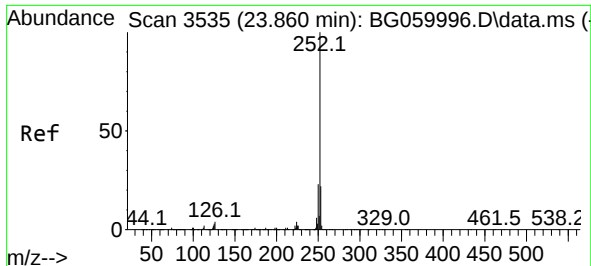


#88
Benzo(b)fluoranthene
Concen: 6.105 ng
RT: 23.788 min Scan# 3523
Delta R.T. -0.011 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:252 Resp: 341065

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.2
125	2.3	2.6	4.0

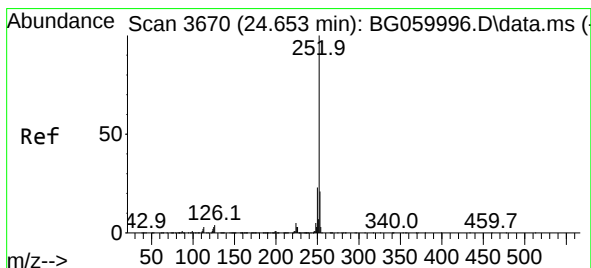
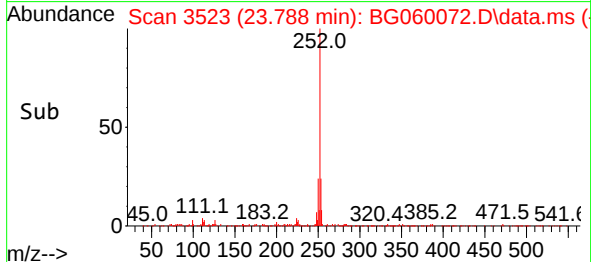
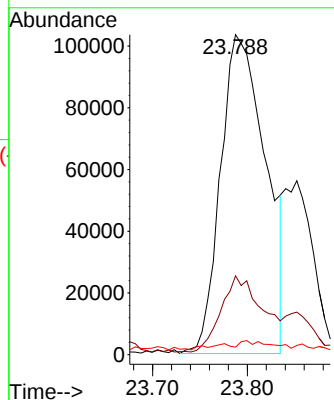
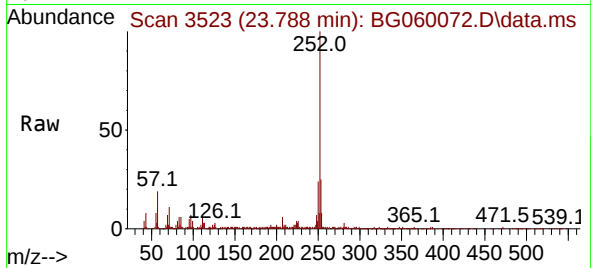




#89
Benzo(k)fluoranthene
Concen: 6.294 ng
RT: 23.788 min Scan# 31
Delta R.T. -0.082 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :
BNA_G
ClientSampleId :
RB21144DL2

Tgt Ion:252 Resp: 341065
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 2.3 2.5 3.7#



#90
Benzo(a)pyrene
Concen: 2.820 ng
RT: 24.645 min Scan# 3669
Delta R.T. -0.017 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:252 Resp: 139565
Ion Ratio Lower Upper
252 100
253 26.0 17.1 25.7#
125 6.0 2.6 4.0#

