

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057572.D
 Acq On : 26 May 2023 00:42
 Operator : CG/JU
 Sample : 02920-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-400027

Quant Time: May 26 03:02:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

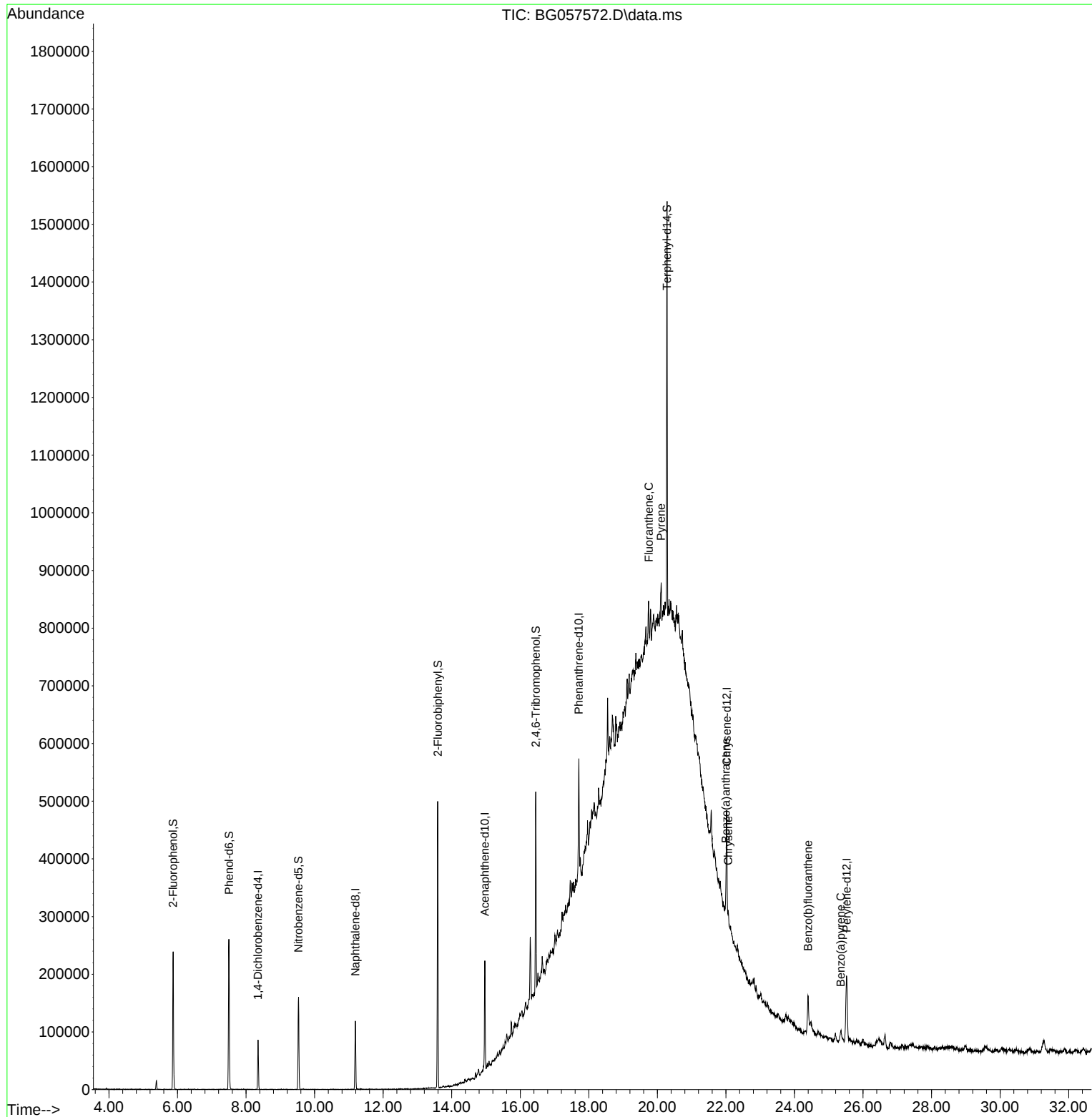
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.345	152	24814	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	100289	20.000	ng	0.00
39) Acenaphthene-d10	14.966	164	67325	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	132483	20.000	ng	# 0.00
76) Chrysene-d12	22.021	240	121784	20.000	ng	0.00
86) Perylene-d12	25.522	264	141252	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	108497	74.795	ng	0.00
7) Phenol-d6	7.500	99	163043	74.017	ng	0.00
23) Nitrobenzene-d5	9.532	82	107196	44.861	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	69206	72.446	ng	0.00
45) 2-Fluorobiphenyl	13.591	172	266284	53.269	ng	0.00
79) Terphenyl-d14	20.282	244	370044	49.586	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.748	202	37818	4.479	ng	86
78) Pyrene	20.106	202	35482	4.009	ng	# 85
81) Benzo(a)anthracene	21.998	228	18946	2.184	ng	# 93
83) Chrysene	22.068	228	18872	2.312	ng	# 93
88) Benzo(b)fluoranthene	24.394	252	28709	3.109	ng	# 87
90) Benzo(a)pyrene	25.352	252	19980	2.215	ng	# 93

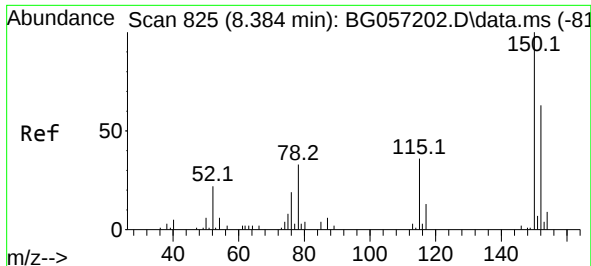
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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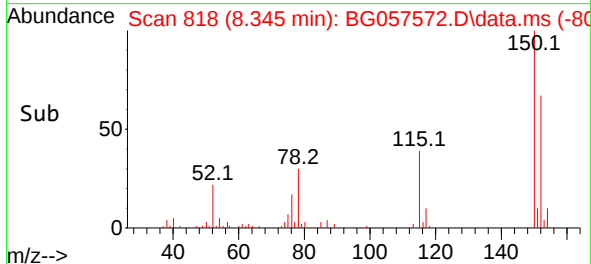
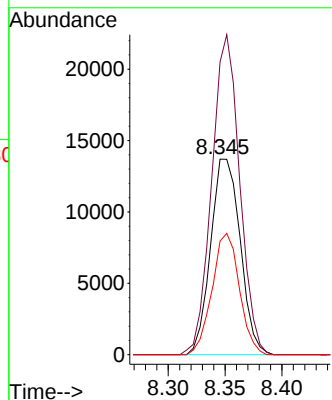
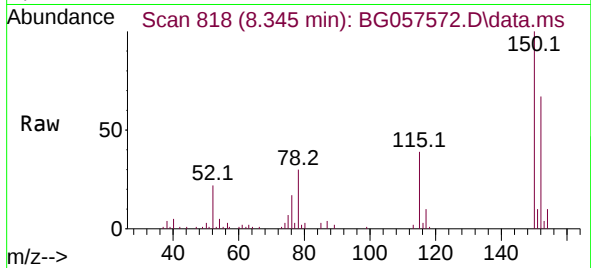




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.345 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

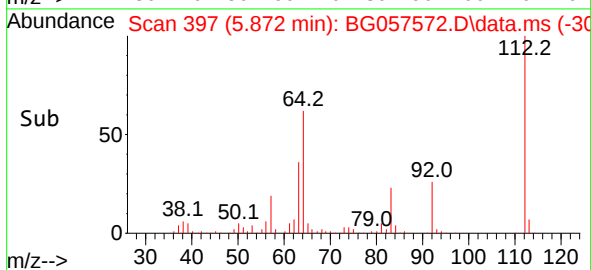
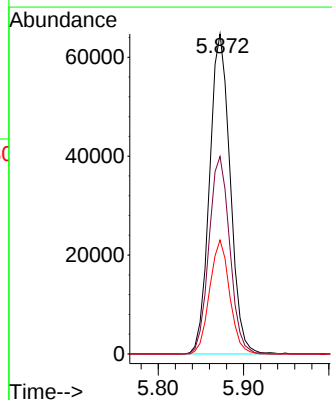
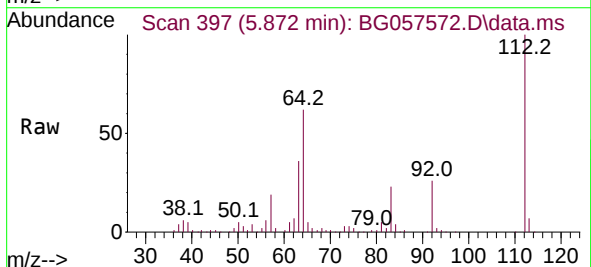
Instrument :
BNA_G
ClientSampleId :
RBR-400027

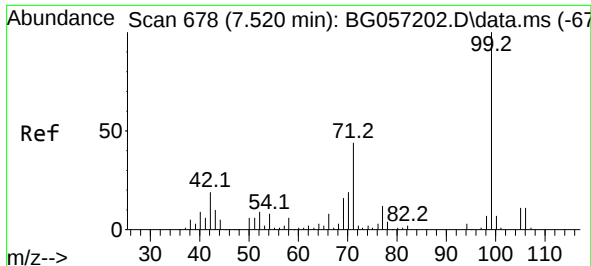
Tgt Ion:152 Resp: 24814
Ion Ratio Lower Upper
152 100
150 149.7 126.2 189.4
115 58.1 45.0 67.4



#5
2-Fluorophenol
Concen: 74.795 ng
RT: 5.872 min Scan# 397
Delta R.T. 0.000 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

Tgt Ion:112 Resp: 108497
Ion Ratio Lower Upper
112 100
64 61.7 49.4 74.2
63 35.6 31.6 47.4

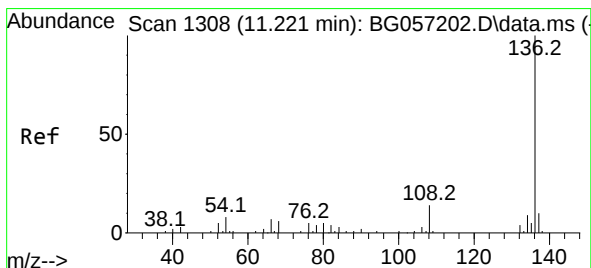
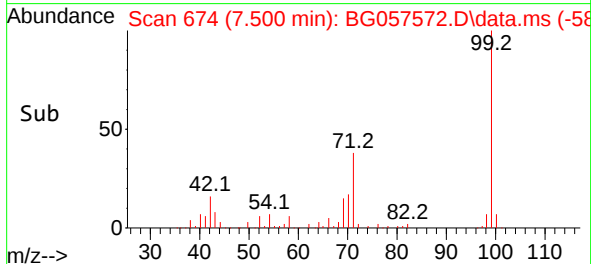
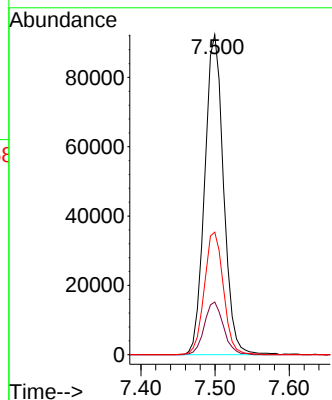
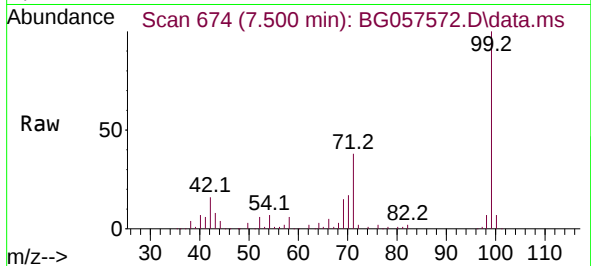




#7
Phenol-d6
Concen: 74.017 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

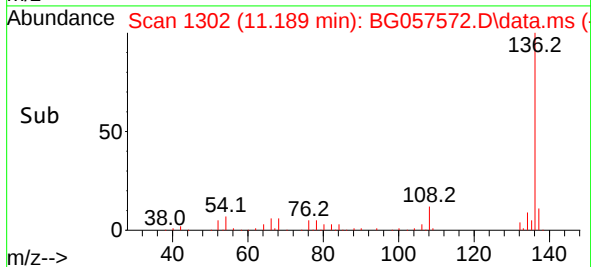
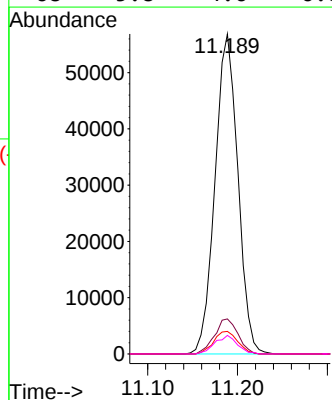
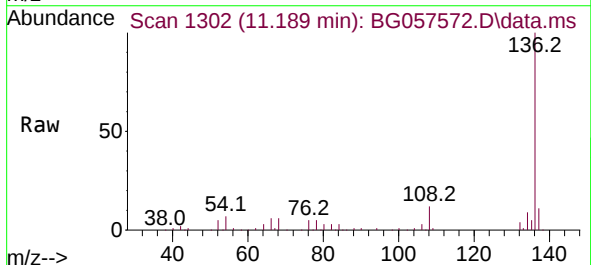
Instrument :
BNA_G
ClientSampleId :
RBR-400027

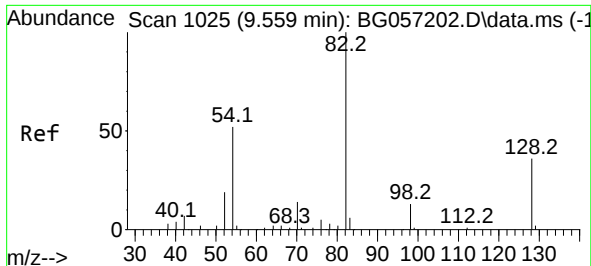
Tgt Ion: 99 Resp: 163043
Ion Ratio Lower Upper
99 100
42 16.5 15.1 22.7
71 38.3 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

Tgt Ion: 136 Resp: 100289
Ion Ratio Lower Upper
136 100
137 11.0 8.3 12.5
54 7.1 6.7 10.1
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 44.861 ng

RT: 9.532 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BG057572.D

Acq: 26 May 2023 00:42

Instrument :

BNA_G

ClientSampleId :

RBR-400027

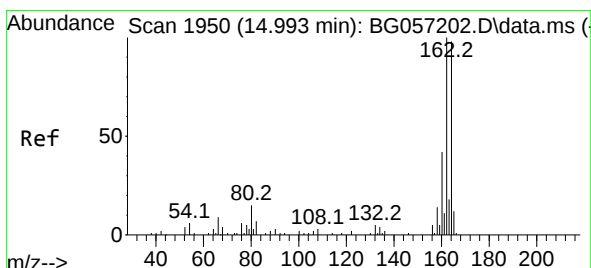
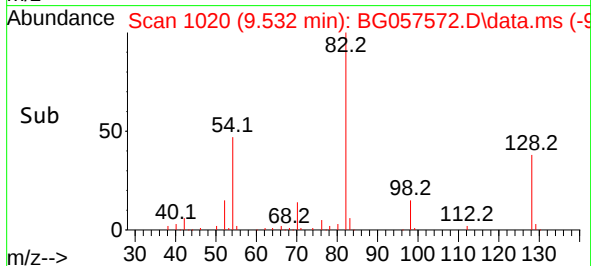
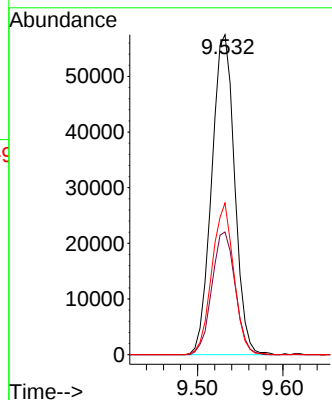
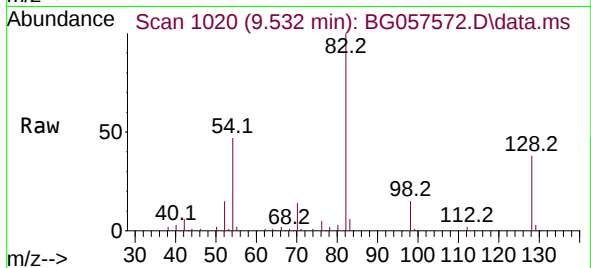
Tgt Ion: 82 Resp: 107196

Ion Ratio Lower Upper

82 100

128 38.4 29.0 43.4

54 47.4 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.966 min Scan# 1945

Delta R.T. -0.006 min

Lab File: BG057572.D

Acq: 26 May 2023 00:42

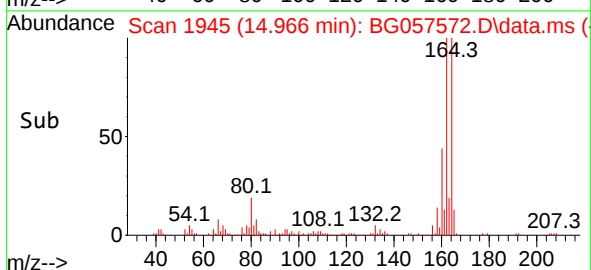
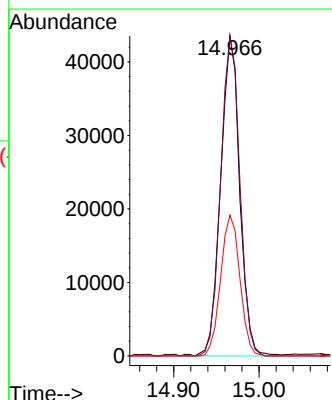
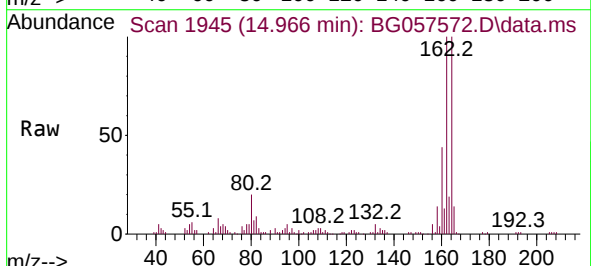
Tgt Ion:164 Resp: 67325

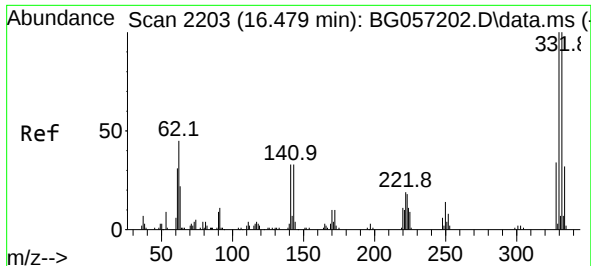
Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.6

160 44.0 34.6 52.0

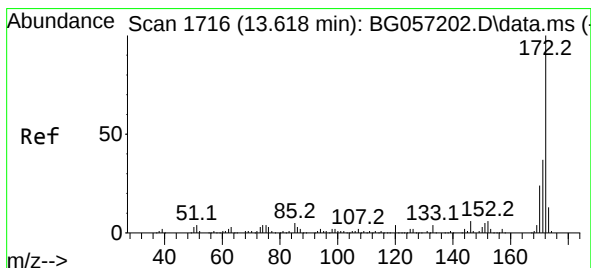
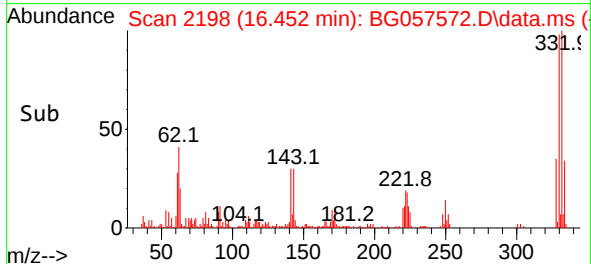
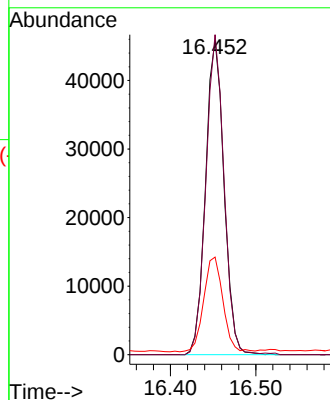
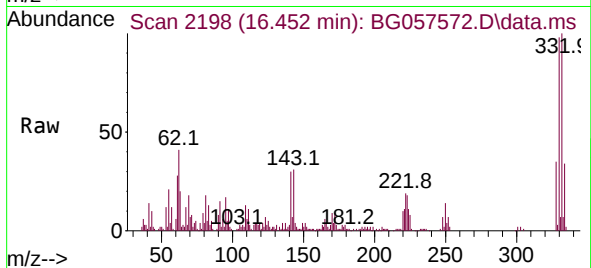




#42
2,4,6-Tribromophenol
Concen: 72.446 ng
RT: 16.452 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

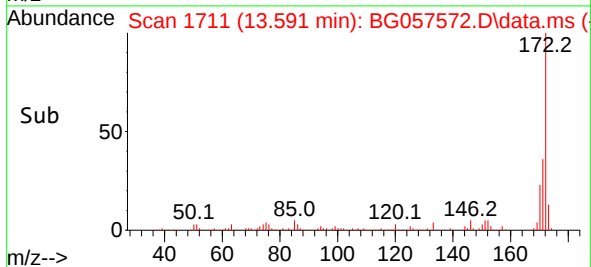
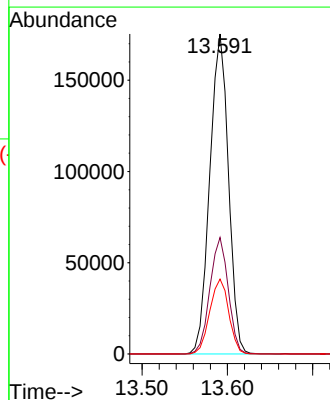
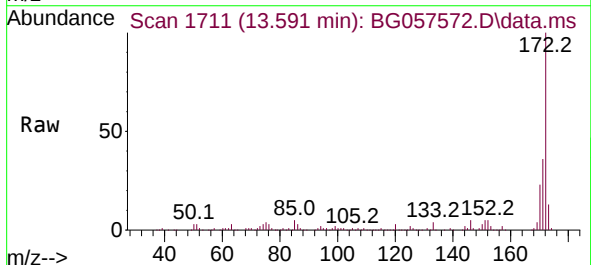
Instrument :
BNA_G
ClientSampleId :
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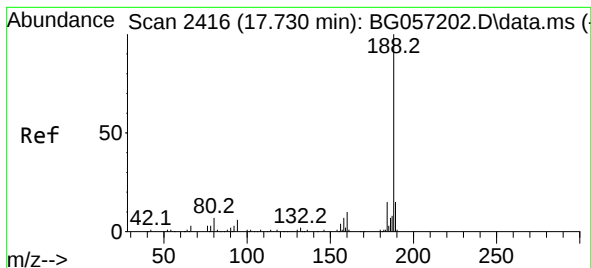
Tgt Ion:330 Resp: 69206
Ion Ratio Lower Upper
330 100
332 99.4 78.2 117.2
141 31.2 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 53.269 ng
RT: 13.591 min Scan# 1711
Delta R.T. -0.006 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

Tgt Ion:172 Resp: 266284
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.709 min Scan# 2416

Delta R.T. 0.000 min

Lab File: BG057572.D

Acq: 26 May 2023 00:42

Instrument :

BNA_G

ClientSampleId :

RBR-400027

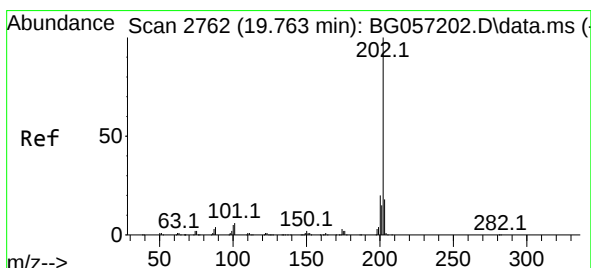
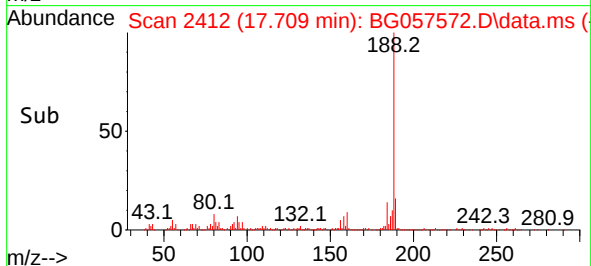
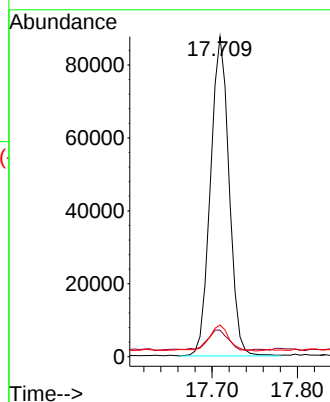
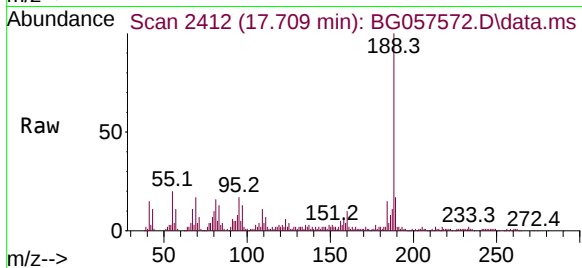
Tgt Ion:188 Resp: 132483

Ion Ratio Lower Upper

188 100

94 8.3 5.1 7.7#

80 9.9 5.7 8.5#



#75

Fluoranthene

Concen: 4.479 ng

RT: 19.748 min Scan# 2759

Delta R.T. 0.006 min

Lab File: BG057572.D

Acq: 26 May 2023 00:42

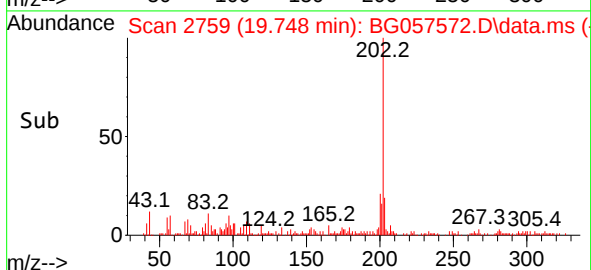
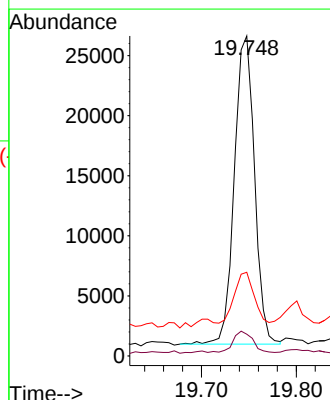
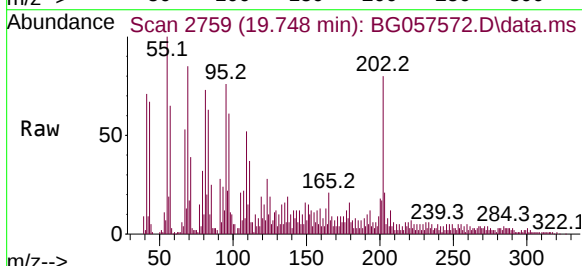
Tgt Ion:202 Resp: 37818

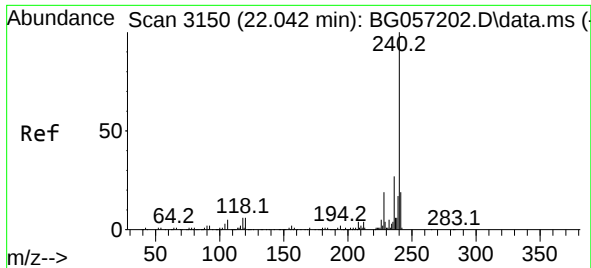
Ion Ratio Lower Upper

202 100

101 6.8 0.0 26.2

203 26.1 0.0 37.9

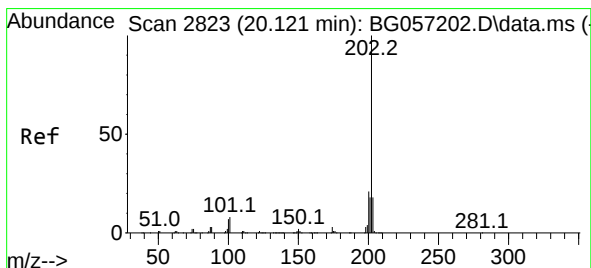
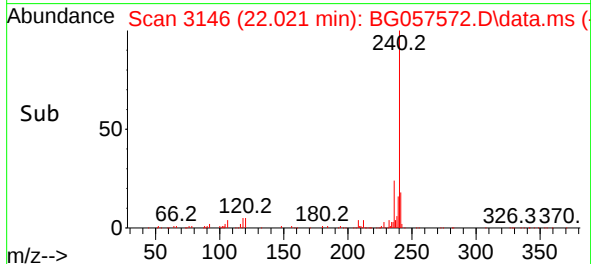
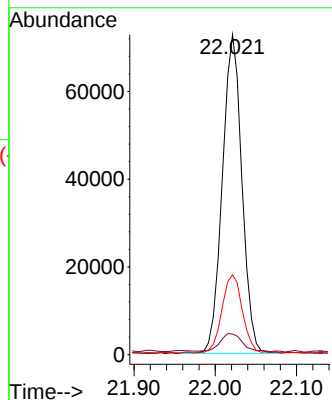
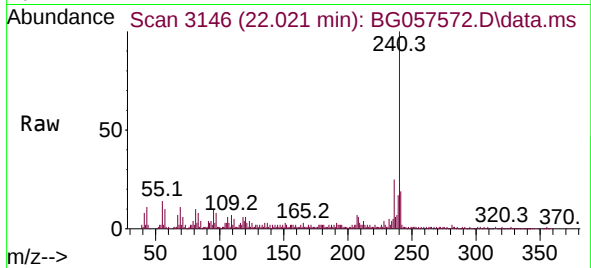




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.021 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

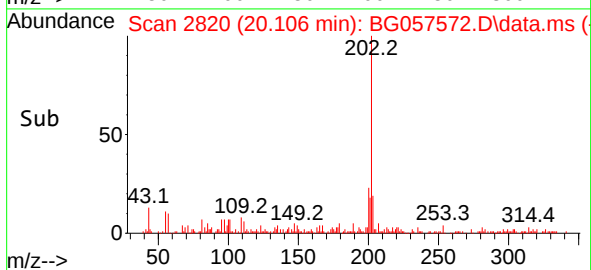
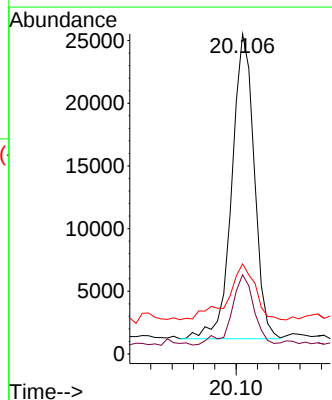
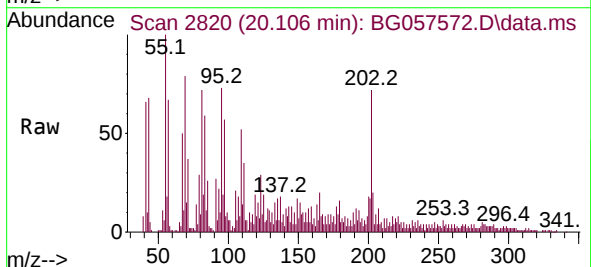
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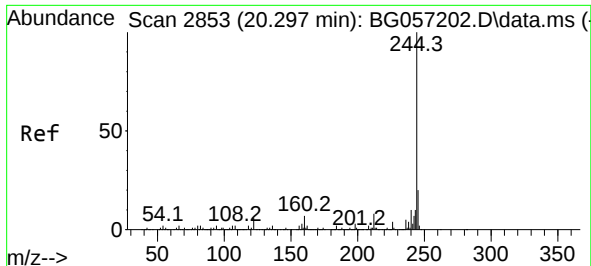
Tgt Ion:240 Resp: 121784
Ion Ratio Lower Upper
240 100
120 6.5 4.9 7.3
236 25.0 21.4 32.2



#78
Pyrene
Concen: 4.009 ng
RT: 20.106 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

Tgt Ion:202 Resp: 35482
Ion Ratio Lower Upper
202 100
200 24.7 17.0 25.4
203 28.1 14.2 21.4#

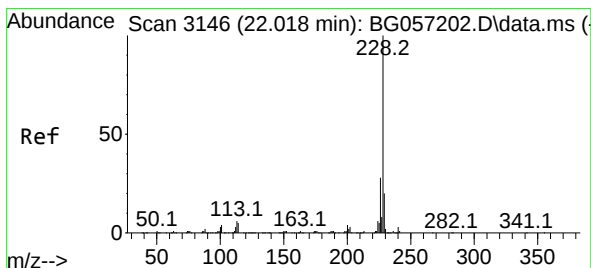
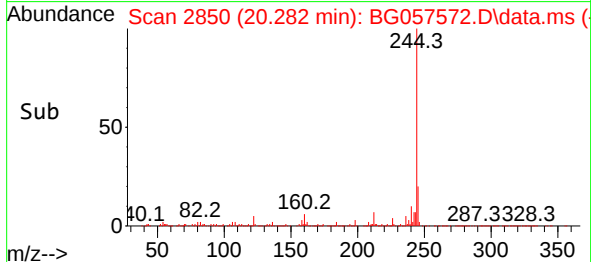
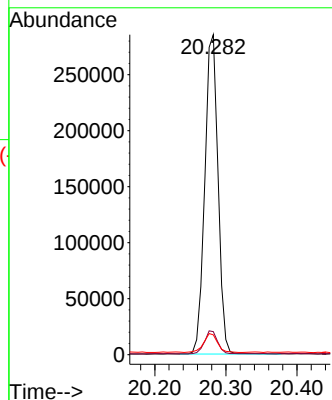
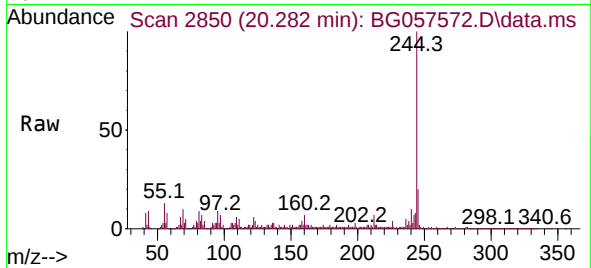




#79
 Terphenyl-d14
 Concen: 49.586 ng
 RT: 20.282 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG057572.D
 Acq: 26 May 2023 00:42

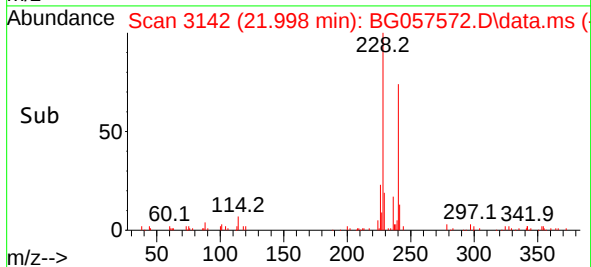
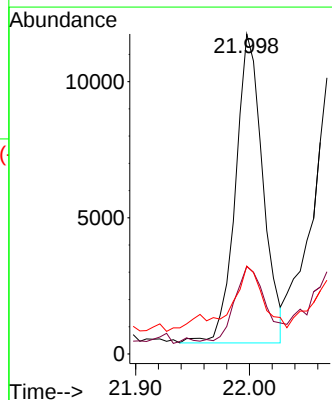
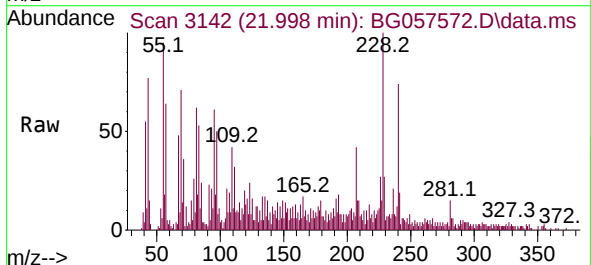
Instrument :
 BNA_G
 ClientSampleId :
 RBR-400027

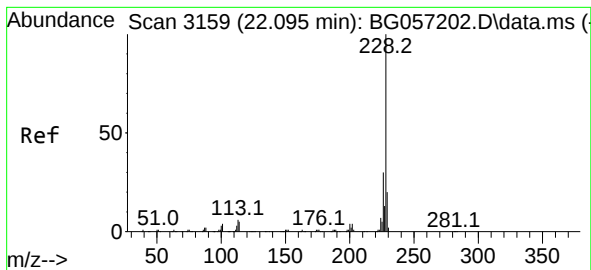
Tgt Ion:244 Resp: 370044
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.2 5.1 7.7



#81
 Benzo(a)anthracene
 Concen: 2.184 ng
 RT: 21.998 min Scan# 3142
 Delta R.T. 0.000 min
 Lab File: BG057572.D
 Acq: 26 May 2023 00:42

Tgt Ion:228 Resp: 18946
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.0 33.0
 229 27.5 15.8 23.8#





#83

Chrysene

Concen: 2.312 ng

RT: 22.068 min Scan# 3159

Delta R.T. 0.000 min

Lab File: BG057572.D

Acq: 26 May 2023 00:42

Instrument :

BNA_G

ClientSampleId :

RBR-400027

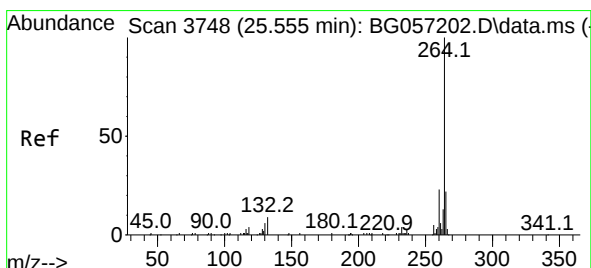
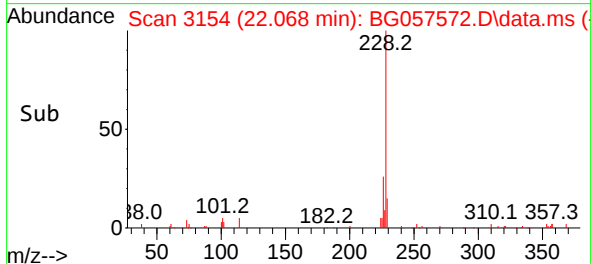
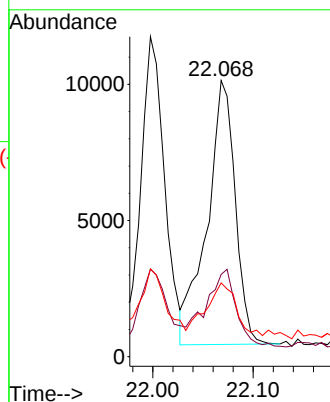
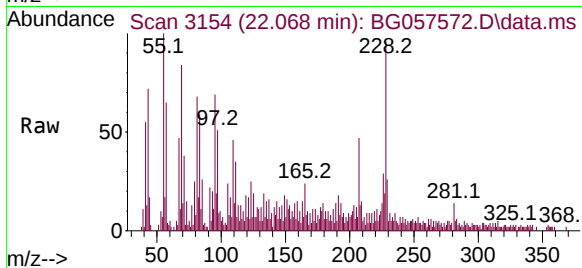
Tgt Ion:228 Resp: 18872

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 26.7 15.9 23.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.522 min Scan# 3742

Delta R.T. 0.000 min

Lab File: BG057572.D

Acq: 26 May 2023 00:42

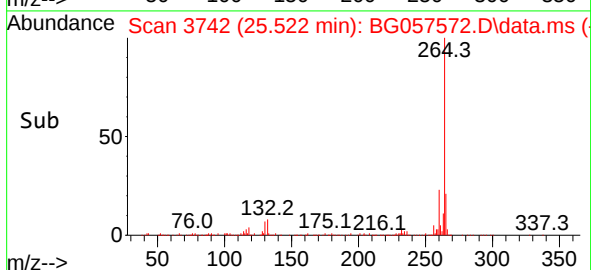
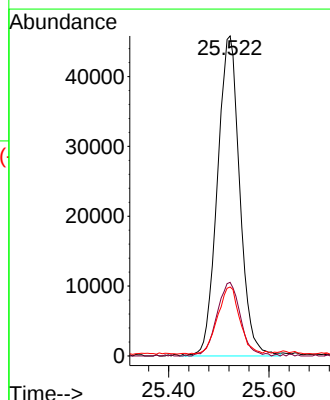
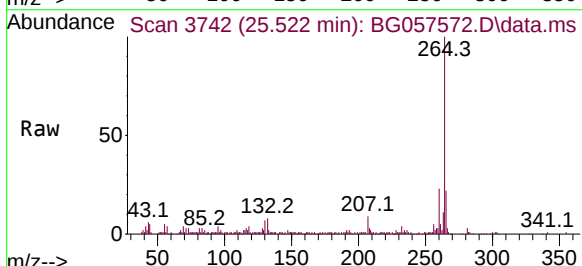
Tgt Ion:264 Resp: 141252

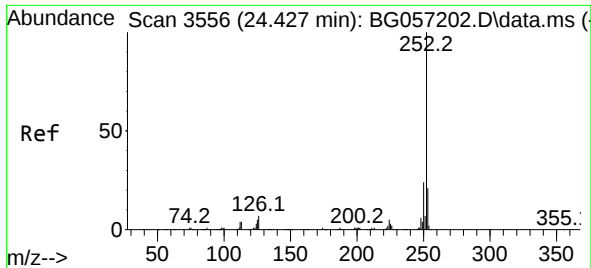
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.6 17.9 26.9

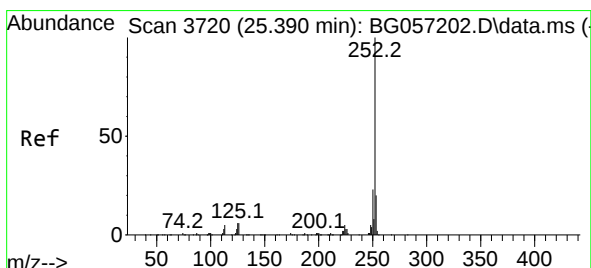
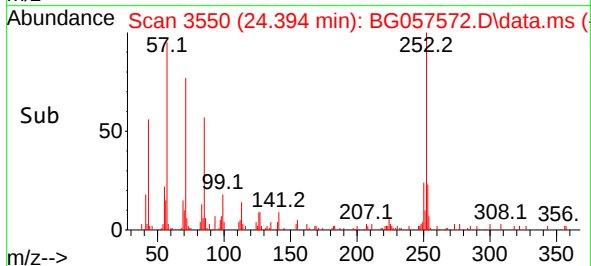
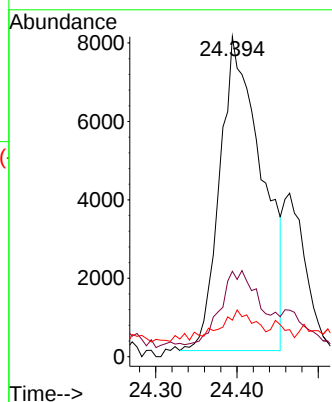
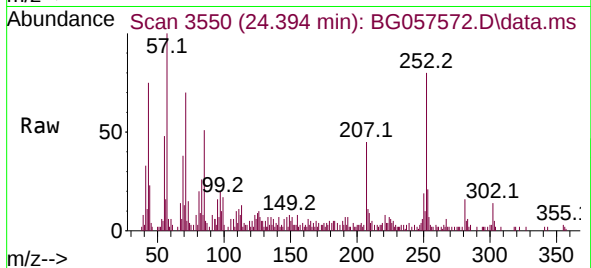




#88
Benzo(b)fluoranthene
Concen: 3.109 ng
RT: 24.394 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

Instrument :
BNA_G
ClientSampleId :
RBR-400027

Tgt Ion:252 Resp: 28709
Ion Ratio Lower Upper
252 100
253 26.7 17.0 25.6#
125 11.4 4.2 6.2#



#90
Benzo(a)pyrene
Concen: 2.215 ng
RT: 25.352 min Scan# 3713
Delta R.T. -0.006 min
Lab File: BG057572.D
Acq: 26 May 2023 00:42

Tgt Ion:252 Resp: 19980
Ion Ratio Lower Upper
252 100
253 23.0 16.3 24.5
125 9.5 5.0 7.4#

