

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011823\
 Data File : BG056343.D
 Acq On : 19 Jan 2023 00:57
 Operator : CG/JU
 Sample : 01172-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-F

Quant Time: Jan 19 03:47:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

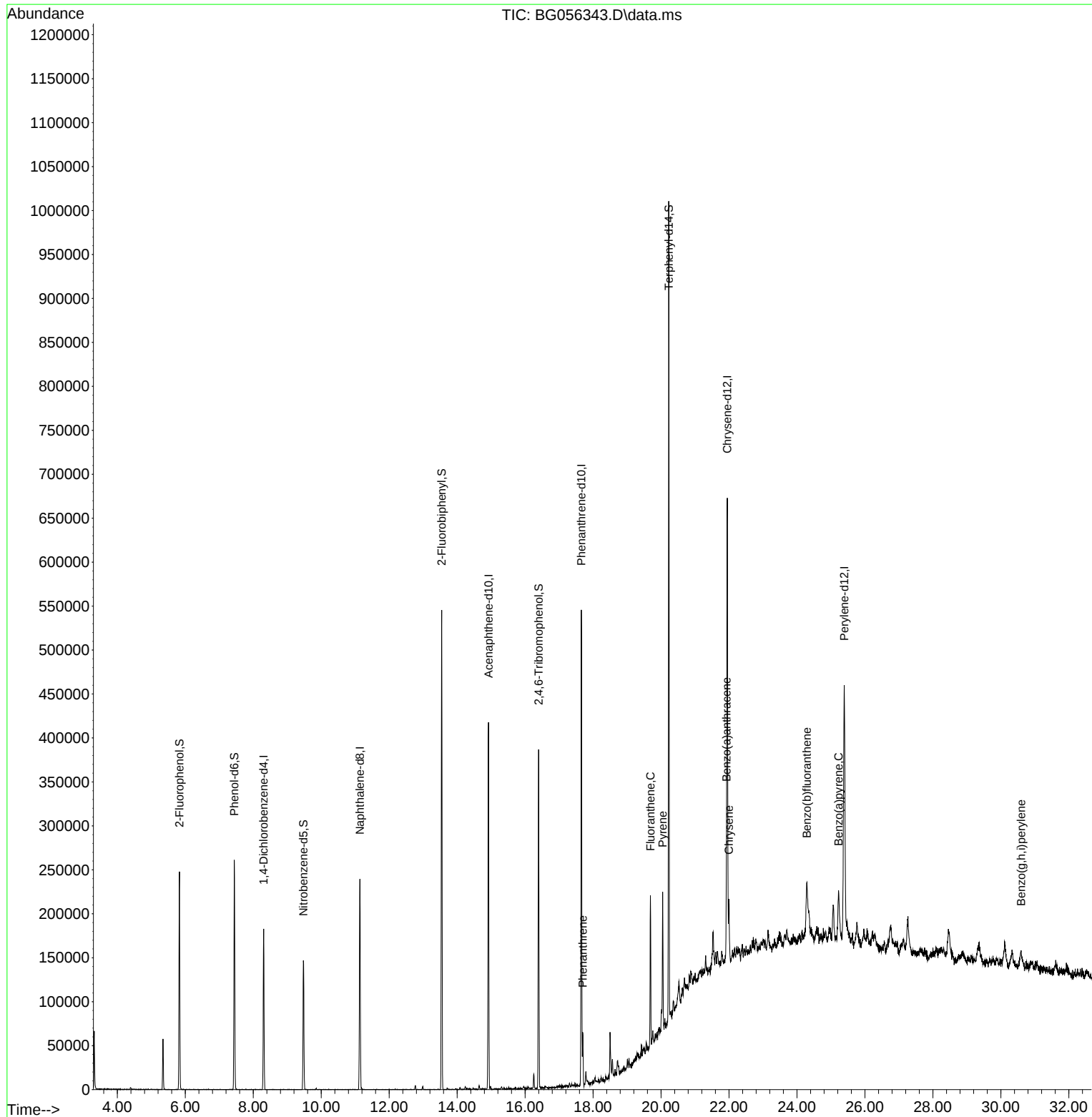
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	57817	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	219930	20.000	ng	0.00
39) Acenaphthene-d10	14.922	164	162282	20.000	ng	0.00
64) Phenanthrene-d10	17.654	188	368907	20.000	ng	0.00
76) Chrysene-d12	21.949	240	335927	20.000	ng	# 0.00
86) Perylene-d12	25.392	264	362281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	139457	43.067	ng	0.00
7) Phenol-d6	7.442	99	198891	39.995	ng	0.00
23) Nitrobenzene-d5	9.475	82	109103	25.375	ng	-0.01
42) 2,4,6-Tribromophenol	16.396	330	77711	37.811	ng	0.00
45) 2-Fluorobiphenyl	13.547	172	323293	27.510	ng	0.00
79) Terphenyl-d14	20.227	244	501409	26.733	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.695	178	42029	2.198	ng	97
75) Fluoranthene	19.687	202	118533	4.753	ng	99
78) Pyrene	20.045	202	107679	4.548	ng	98
81) Benzo(a)anthracene	21.925	228	65421	2.773	ng	98
83) Chrysene	21.996	228	63908	2.892	ng	97
88) Benzo(b)fluoranthene	24.287	252	96306	4.184	ng	# 92
90) Benzo(a)pyrene	25.221	252	66672	2.970	ng	# 86
92) Benzo(g,h,i)perylene	30.597	276	44586	2.081	ng	96

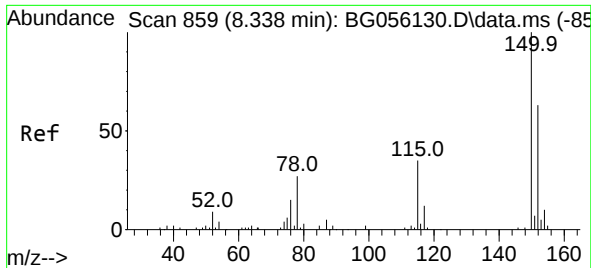
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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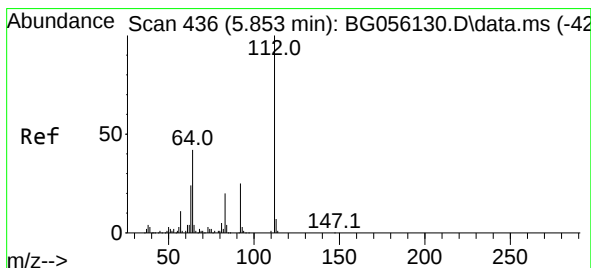
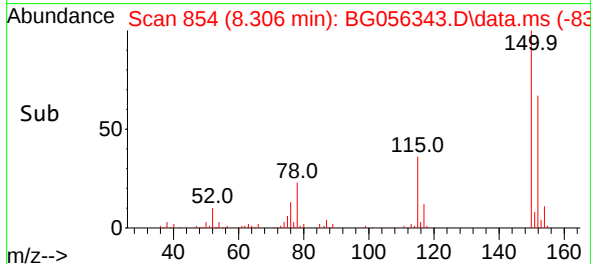
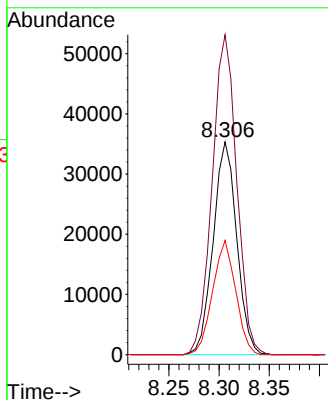
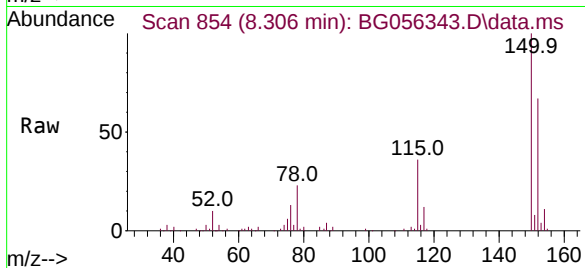




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

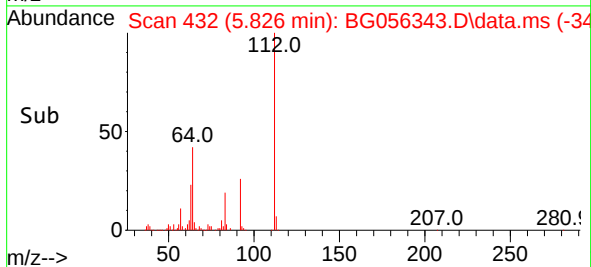
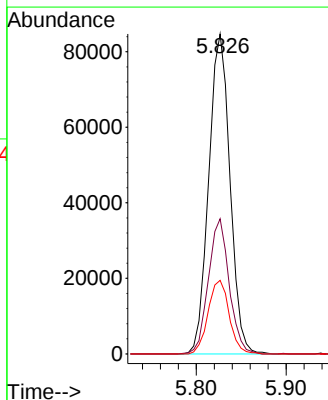
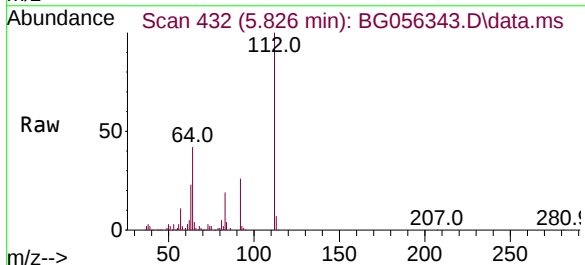
Instrument :
BNA_G
ClientSampleId :
TP-F

Tgt Ion:152 Resp: 57817
Ion Ratio Lower Upper
152 100
150 150.4 127.9 191.9
115 53.6 44.2 66.2



#5
2-Fluorophenol
Concen: 43.067 ng
RT: 5.826 min Scan# 432
Delta R.T. -0.000 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion:112 Resp: 139457
Ion Ratio Lower Upper
112 100
64 42.2 33.3 49.9
63 23.0 19.0 28.4

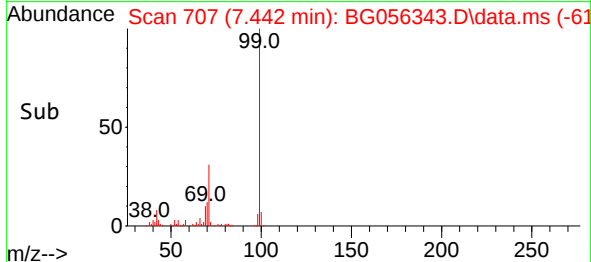
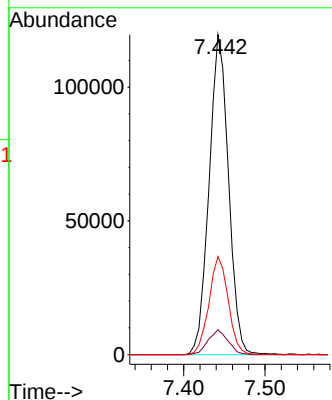
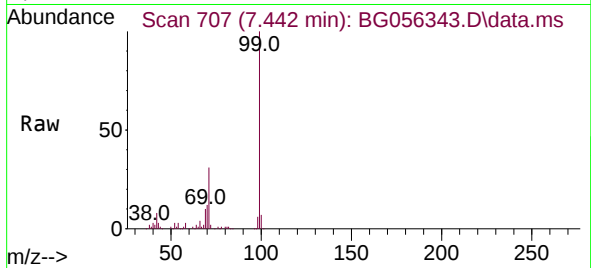




#7
Phenol-d6
Concen: 39.995 ng
RT: 7.442 min Scan# 70
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

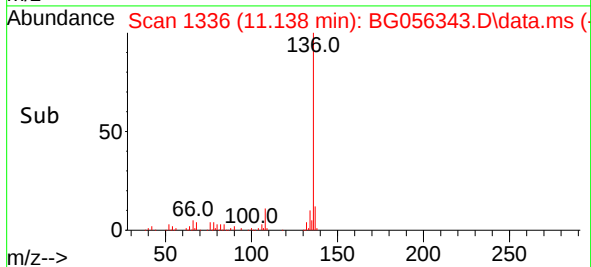
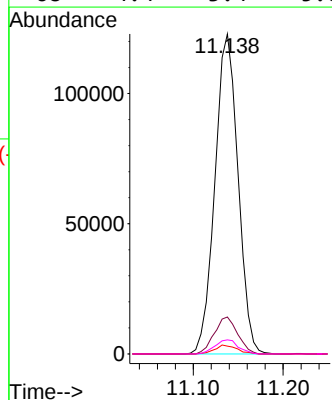
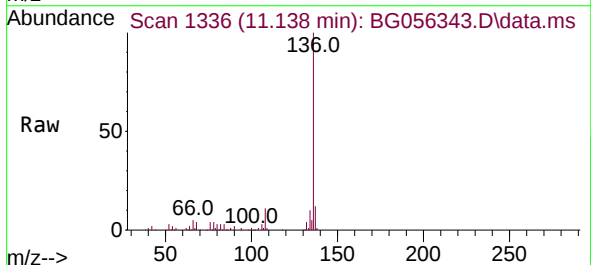
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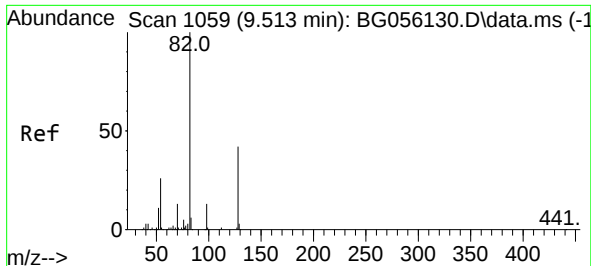
Tgt Ion: 99 Resp: 198891
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 30.6 25.4 38.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.138 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion: 136 Resp: 219930
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.4 2.2 3.2
68 4.4 3.4 5.0





#23

Nitrobenzene-d5

Concen: 25.375 ng

RT: 9.475 min Scan# 1053

Delta R.T. -0.012 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

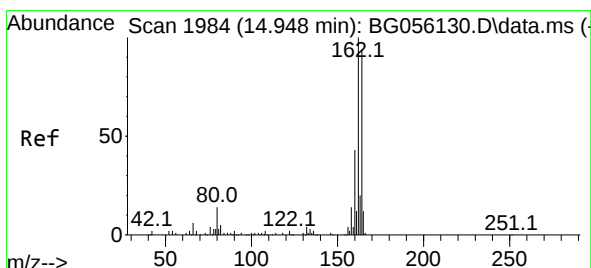
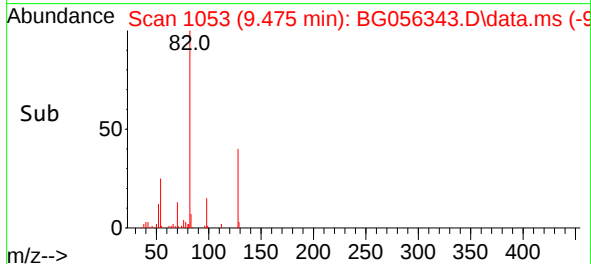
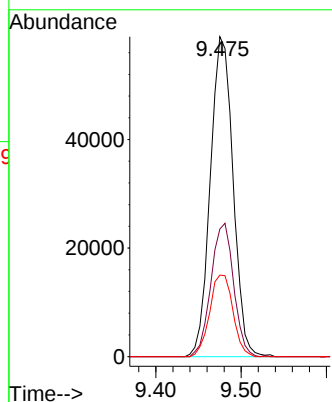
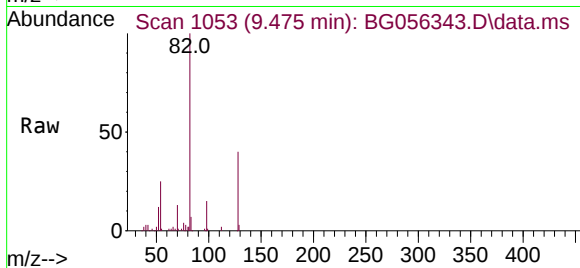
Tgt Ion: 82 Resp: 109103

Ion Ratio Lower Upper

82 100

128 39.9 33.4 50.2

54 25.5 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.922 min Scan# 1980

Delta R.T. -0.000 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

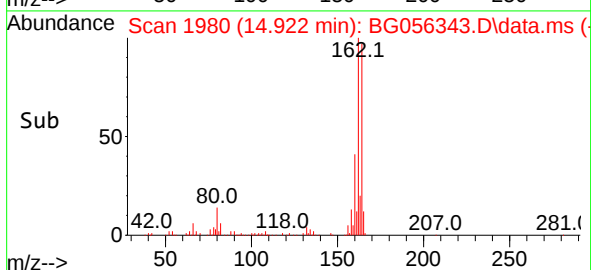
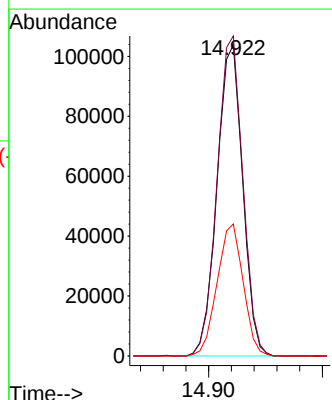
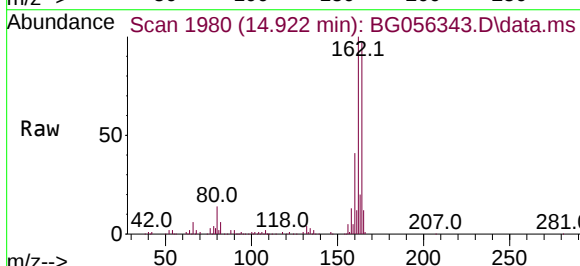
Tgt Ion:164 Resp: 162282

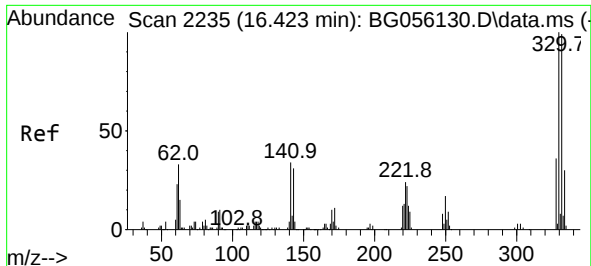
Ion Ratio Lower Upper

164 100

162 102.9 84.7 127.1

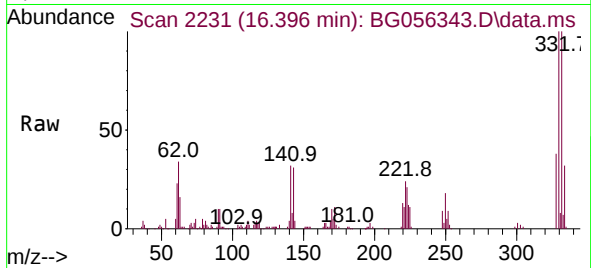
160 42.4 36.3 54.5



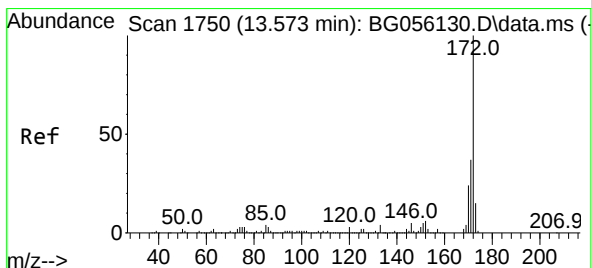
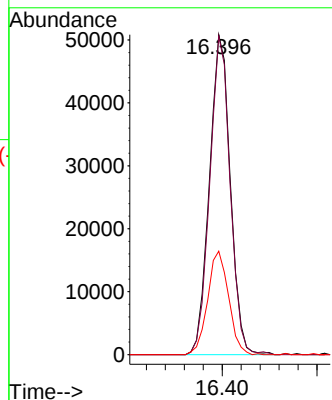
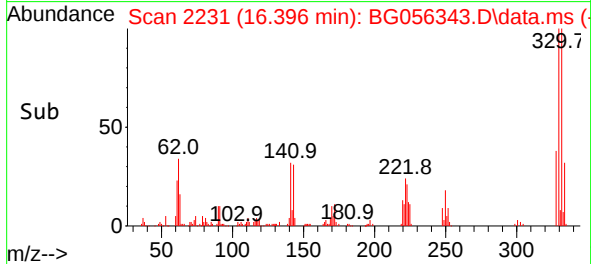


#42
2,4,6-Tribromophenol
Concen: 37.811 ng
RT: 16.396 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

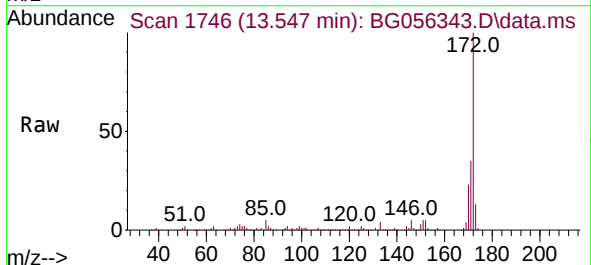
Instrument :
BNA_G
ClientSampleId :
TP-F



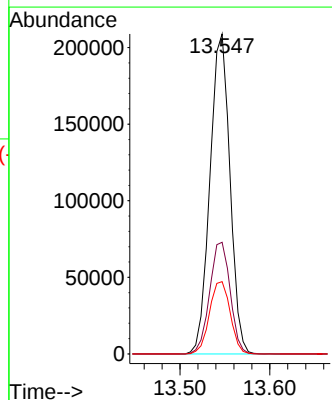
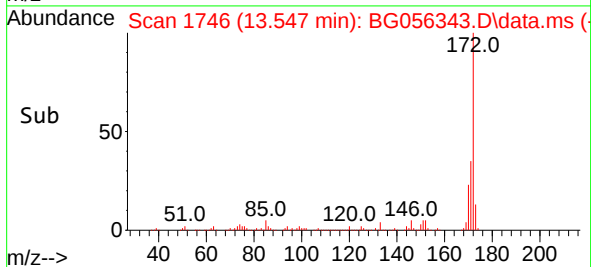
Tgt Ion:330 Resp: 77711
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 32.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 27.510 ng
RT: 13.547 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57



Tgt Ion:172 Resp: 323293
Ion Ratio Lower Upper
172 100
171 34.9 29.6 44.4
170 22.6 19.4 29.2

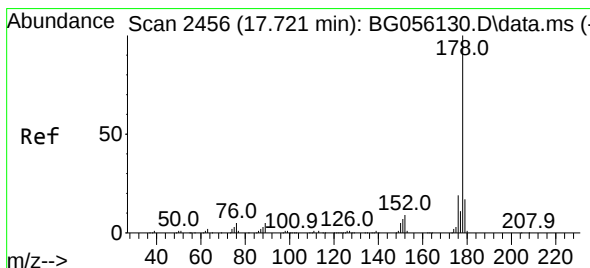
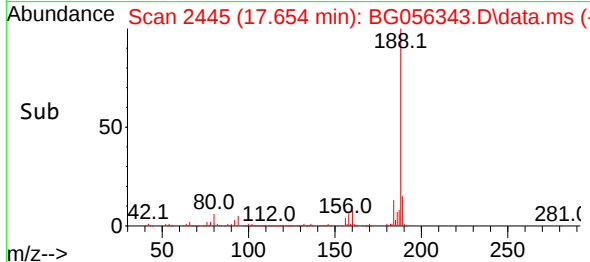
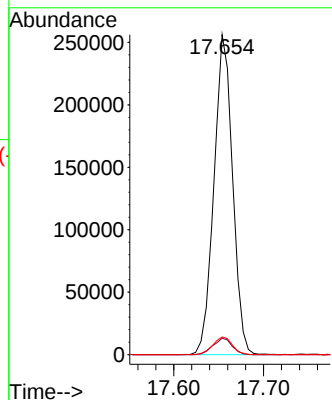
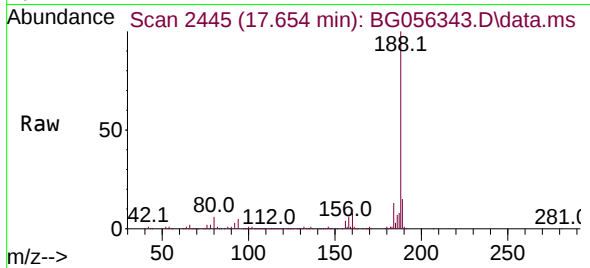




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.654 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

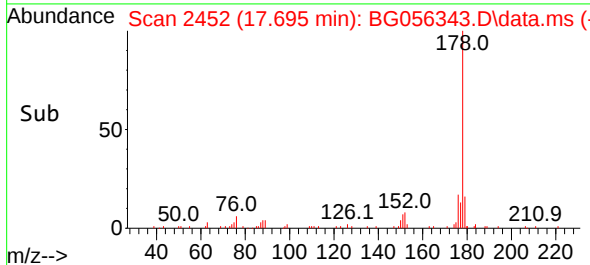
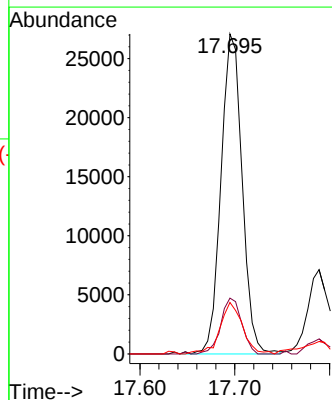
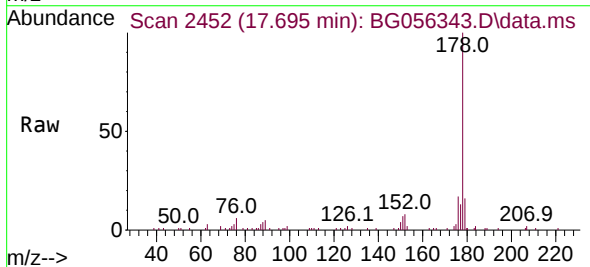
Instrument :
BNA_G
ClientSampleId :
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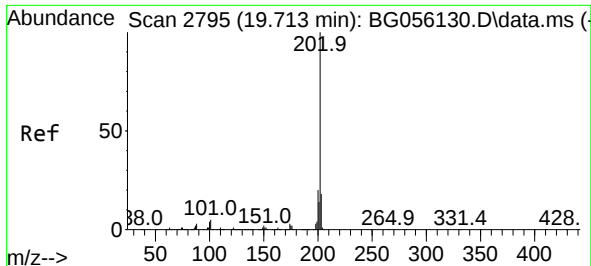
Tgt Ion:188 Resp: 368907
Ion Ratio Lower Upper
188 100
94 5.1 4.2 6.2
80 5.5 5.0 7.4



#71
Phenanthrene
Concen: 2.198 ng
RT: 17.695 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion:178 Resp: 42029
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.0
179 16.1 13.6 20.4

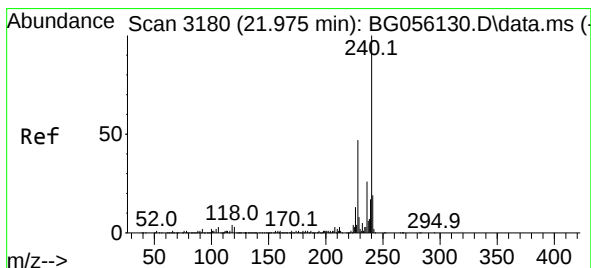
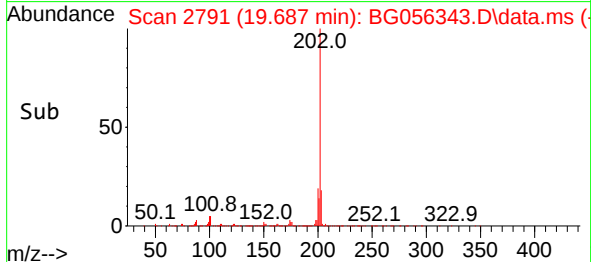
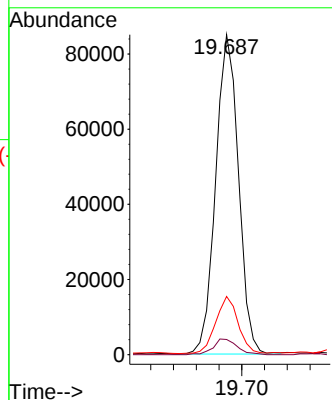
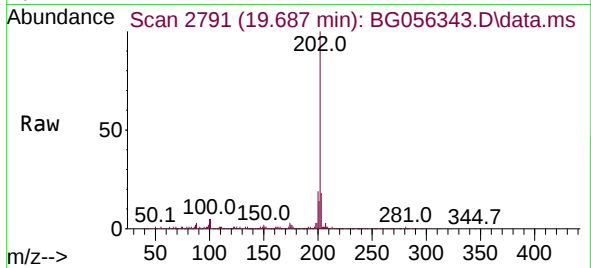




#75
Fluoranthene
Concen: 4.753 ng
RT: 19.687 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

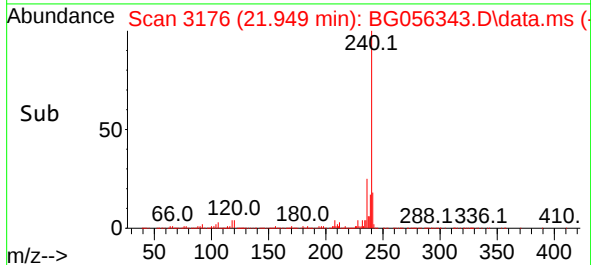
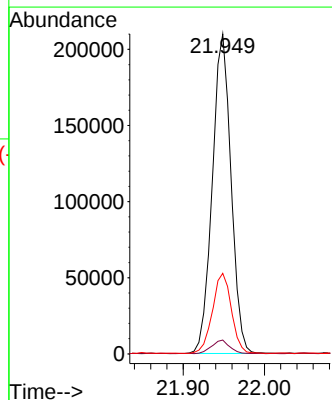
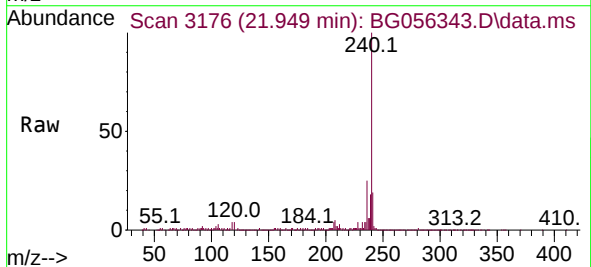
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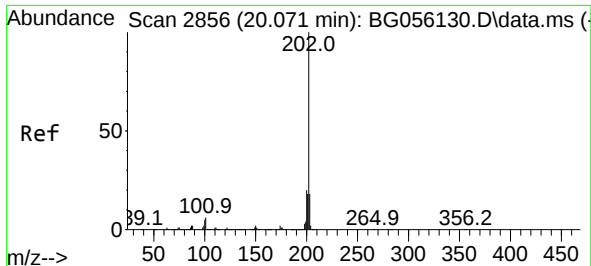
Tgt Ion:202 Resp: 118533
Ion Ratio Lower Upper
202 100
101 4.7 0.0 25.0
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.949 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion:240 Resp: 335927
Ion Ratio Lower Upper
240 100
120 4.3 2.6 4.0#
236 25.2 20.8 31.2

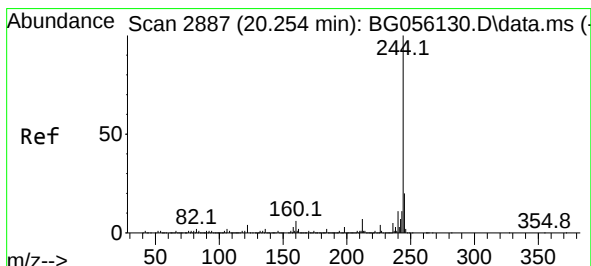
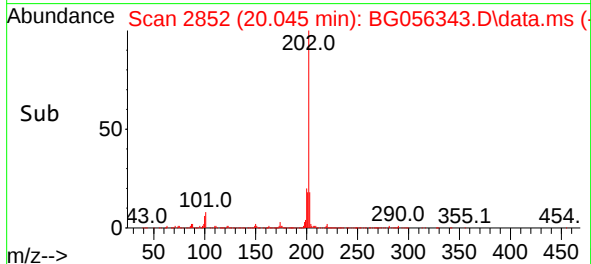
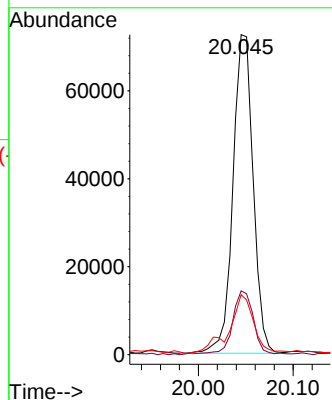
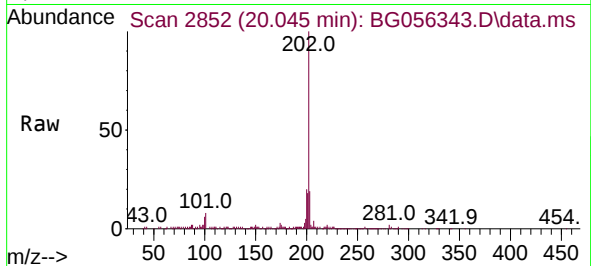




#78
Pyrene
Concen: 4.548 ng
RT: 20.045 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

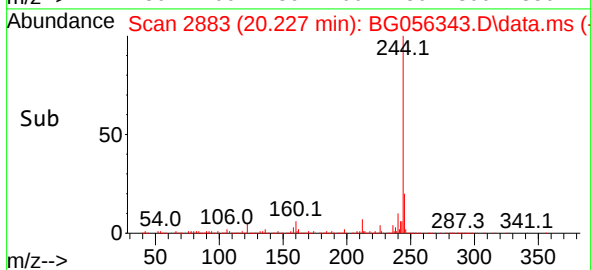
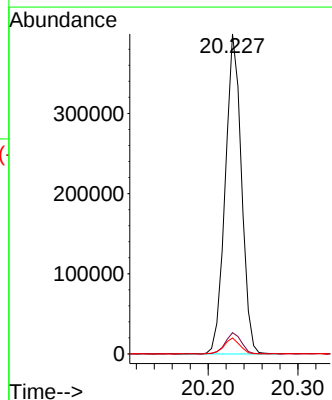
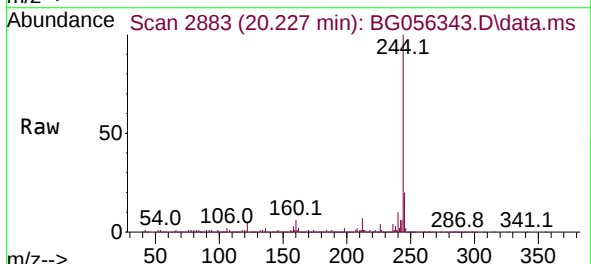
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BNA_G
ClientSampleId :
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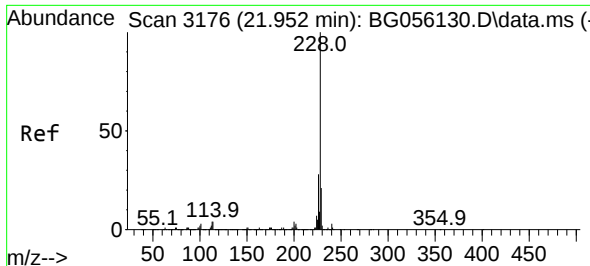
Tgt Ion:202 Resp: 107679
Ion Ratio Lower Upper
202 100
200 19.9 16.4 24.6
203 18.7 14.3 21.5



#79
Terphenyl-d14
Concen: 26.733 ng
RT: 20.227 min Scan# 2883
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion:244 Resp: 501409
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 5.0 3.5 5.3

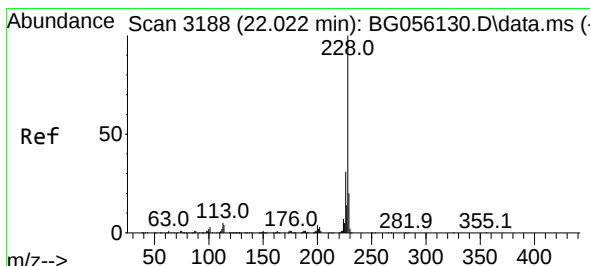
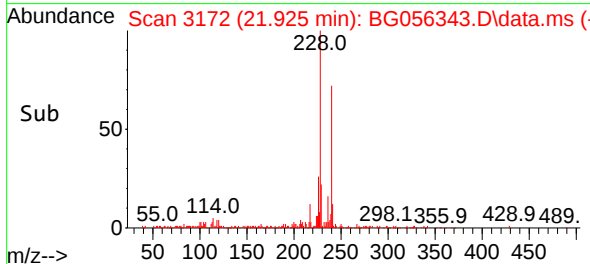
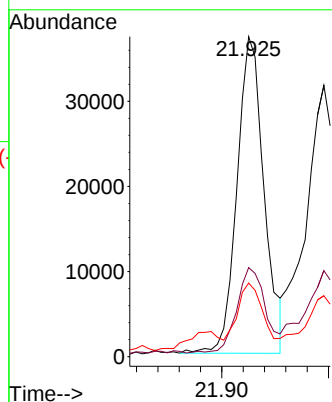
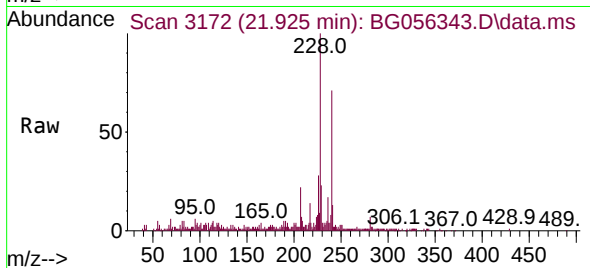




#81
Benzo(a)anthracene
Concen: 2.773 ng
RT: 21.925 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

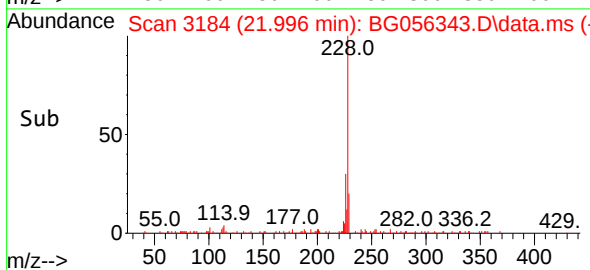
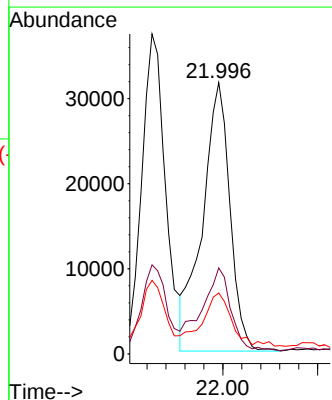
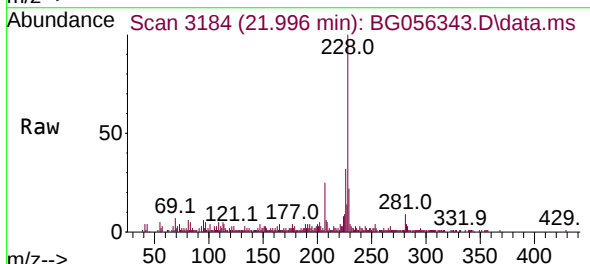
Instrument :
BNA_G
ClientSampleId :
TP-F

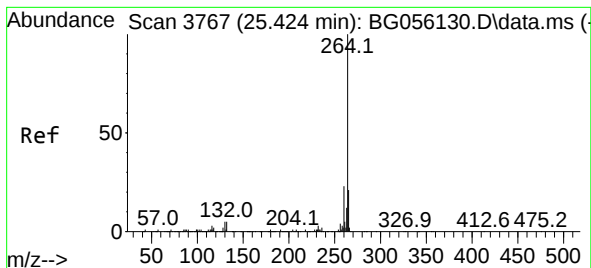
Tgt Ion:228 Resp: 65421
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 23.0 16.9 25.3



#83
Chrysene
Concen: 2.892 ng
RT: 21.996 min Scan# 3184
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion:228 Resp: 63908
Ion Ratio Lower Upper
228 100
226 31.7 24.6 36.8
229 22.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.392 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

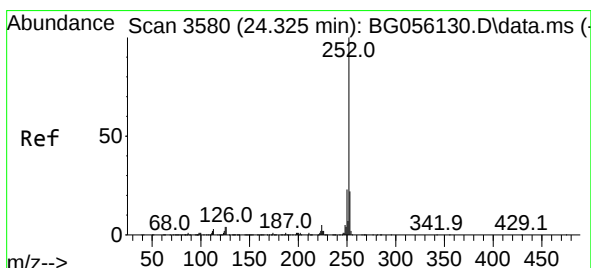
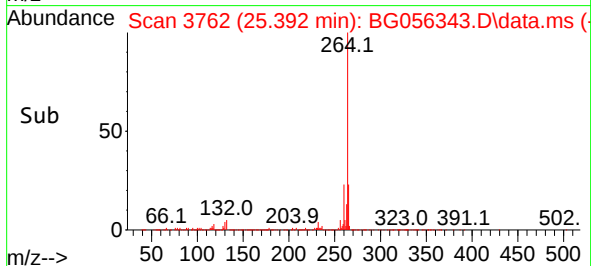
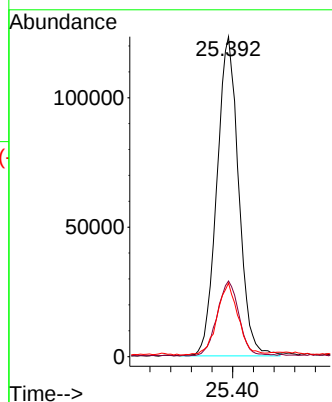
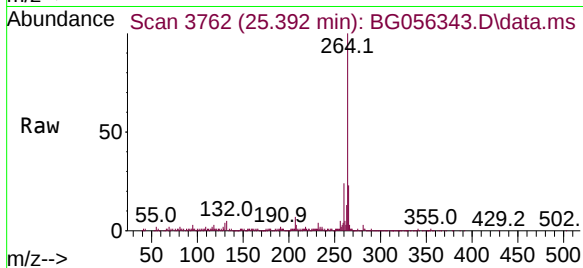
Tgt Ion:264 Resp: 362281

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 23.0 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.184 ng

RT: 24.287 min Scan# 3574

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

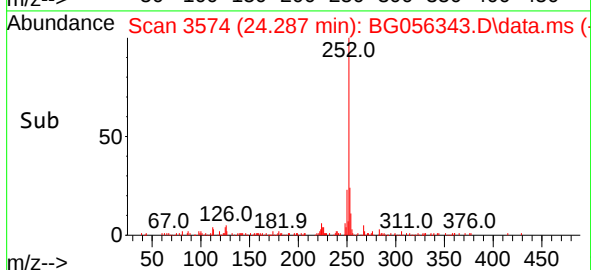
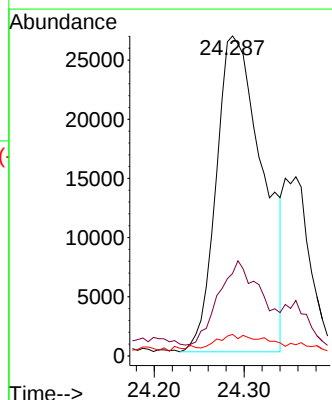
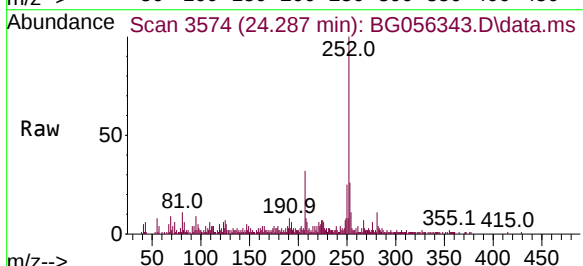
Tgt Ion:252 Resp: 96306

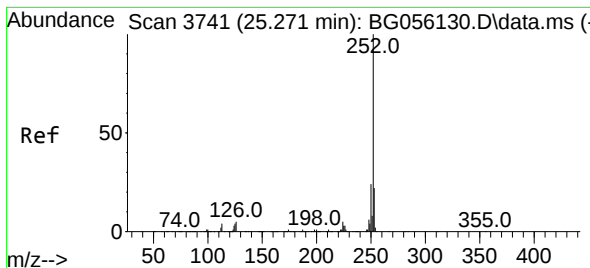
Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.2

125 6.7 3.0 4.4#





#90

Benzo(a)pyrene

Concen: 2.970 ng

RT: 25.221 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

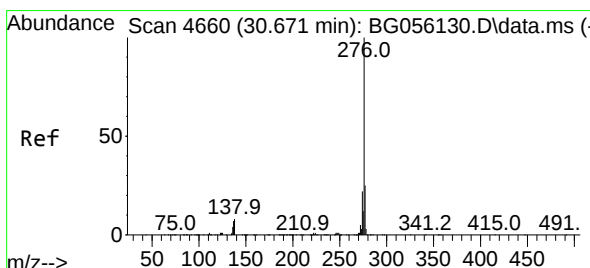
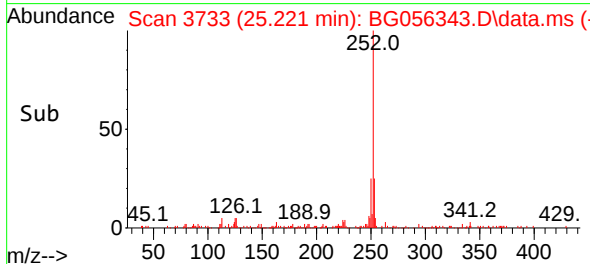
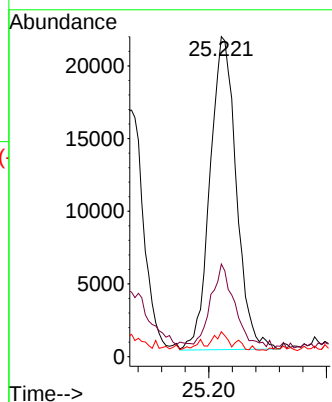
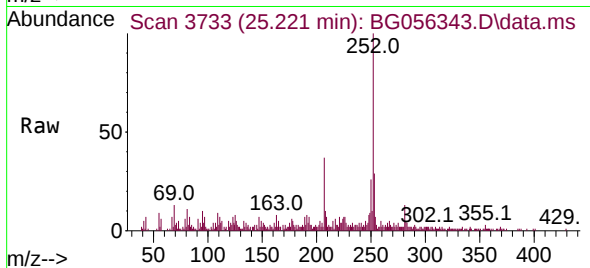
Tgt Ion:252 Resp: 66672

Ion Ratio Lower Upper

252 100

253 28.9 17.4 26.2#

125 7.8 3.2 4.8#



#92

Benzo(g,h,i)perylene

Concen: 2.081 ng

RT: 30.597 min Scan# 4648

Delta R.T. -0.000 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Tgt Ion:276 Resp: 44586

Ion Ratio Lower Upper

276 100

277 26.8 19.7 29.5

138 7.0 6.7 10.1

