

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011723\
 Data File : BG056318.D
 Acq On : 17 Jan 2023 18:06
 Operator : CG/JU
 Sample : 01157-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-4-011323

Quant Time: Jan 18 02:41:05 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 12 03:38:40 2023
 Response via : Initial Calibration

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

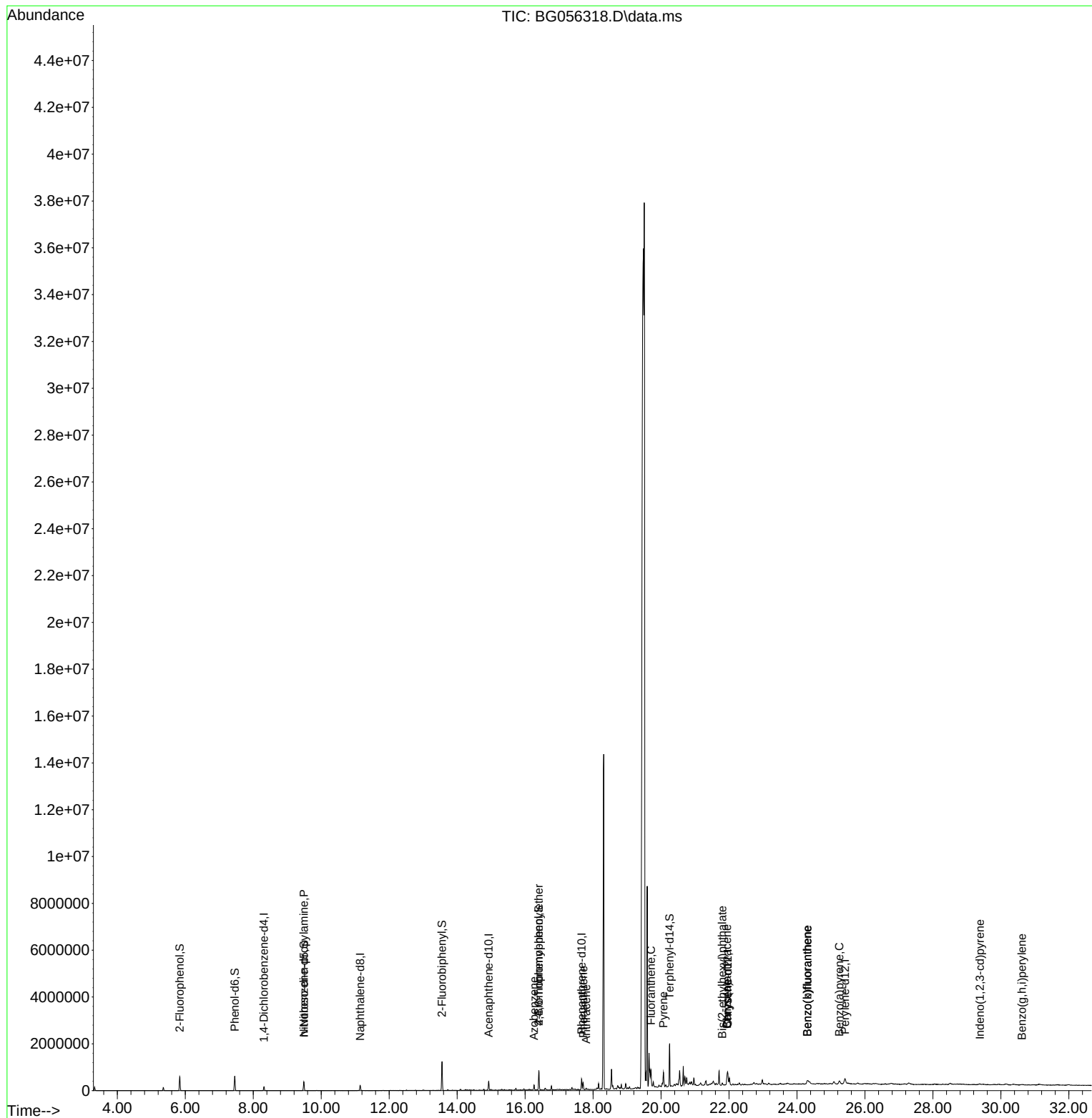
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.313	152	55841	20.000	ng	0.00
21) Naphthalene-d8	11.145	136	203569	20.000	ng	# 0.00
39) Acenaphthene-d10	14.929	164	144427	20.000	ng	0.00
64) Phenanthrene-d10	17.661	188	320462	20.000	ng	0.00
76) Chrysene-d12	21.962	240	308327	20.000	ng	0.00
86) Perylene-d12	25.411	264	318115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.834	112	345653	110.521	ng	0.00
7) Phenol-d6	7.456	99	479338	99.801	ng	0.00
23) Nitrobenzene-d5	9.489	82	263463	66.201	ng	0.00
42) 2,4,6-Tribromophenol	16.404	330	165378	90.413	ng	0.00
45) 2-Fluorobiphenyl	13.554	172	695844	66.531	ng	0.00
79) Terphenyl-d14	20.252	244	986443	57.302	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.489	70	32907	11.267	ng	# 76
63) Azobenzene	16.263	77	56730	6.724	ng	# 1
67) 4-Bromophenyl-phenylether	16.404	248	13663	3.348	ng	# 1
71) Phenanthrene	17.708	178	224601	13.524	ng	98
72) Anthracene	17.796	178	46320	2.704	ng	100
75) Fluoranthene	19.700	202	435055	20.083	ng	98
78) Pyrene	20.070	202	500119	23.013	ng	100
81) Benzo(a)anthracene	21.945	228	280536	12.954	ng	100
83) Chrysene	21.945	228	280536	13.830	ng	96
84) Bis(2-ethylhexyl)phtha...	21.804	149	41881	4.663	ng	99
87) Indeno(1,2,3-cd)pyrene	29.383	276	74033	3.200	ng	# 56
88) Benzo(b)fluoranthene	24.306	252	238034	11.777	ng	# 92
89) Benzo(k)fluoranthene	24.306	252	238034	11.827	ng	# 93
90) Benzo(a)pyrene	25.247	252	179582	9.109	ng	# 92
92) Benzo(g,h,i)perylene	30.617	276	67109	3.568	ng	# 90

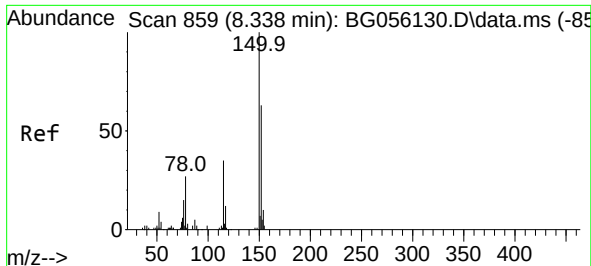
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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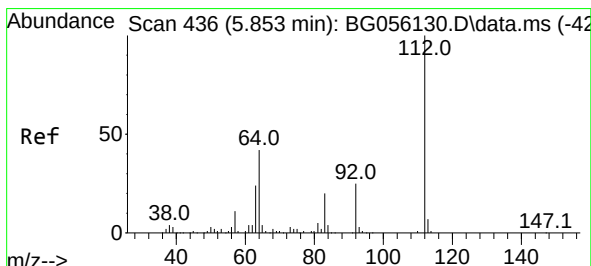
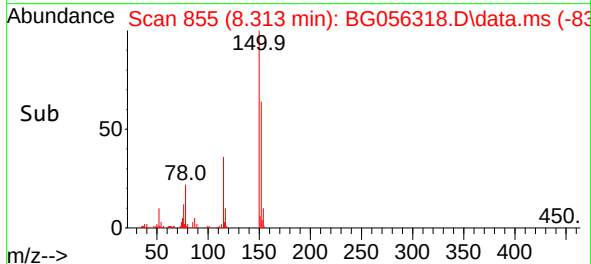
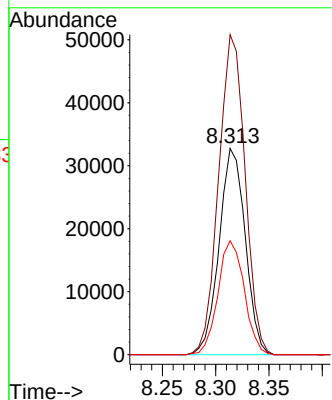
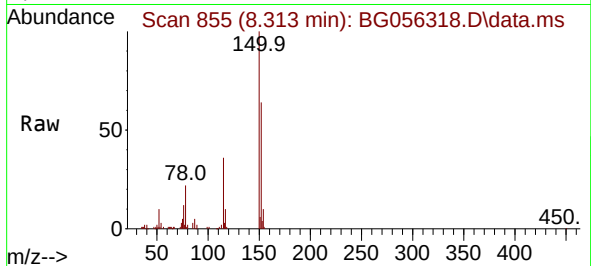




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.313 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06

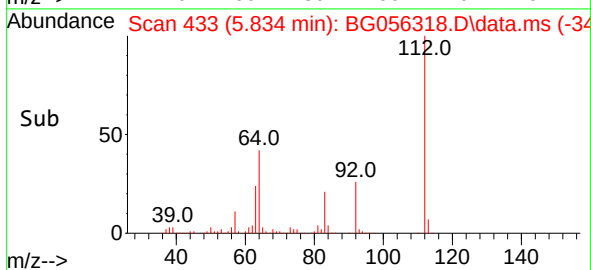
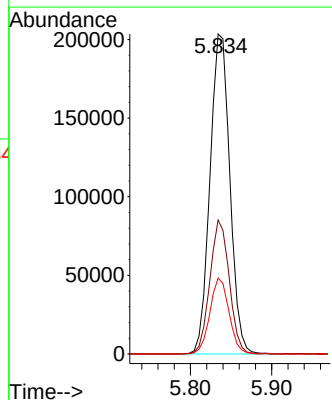
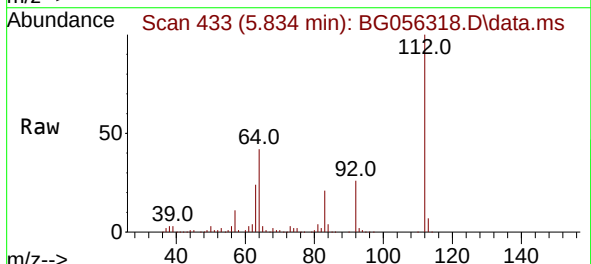
Instrument :
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 TR-4-011323

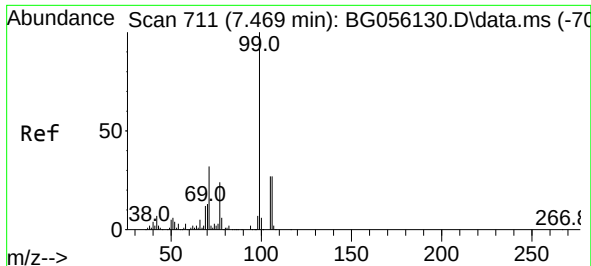
Tgt Ion:152 Resp: 55841
 Ion Ratio Lower Upper
 152 100
 150 155.2 127.9 191.9
 115 55.2 44.2 66.2



#5
 2-Fluorophenol
 Concen: 110.521 ng
 RT: 5.834 min Scan# 433
 Delta R.T. 0.008 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06

Tgt Ion:112 Resp: 345653
 Ion Ratio Lower Upper
 112 100
 64 41.8 33.3 49.9
 63 23.7 19.0 28.4

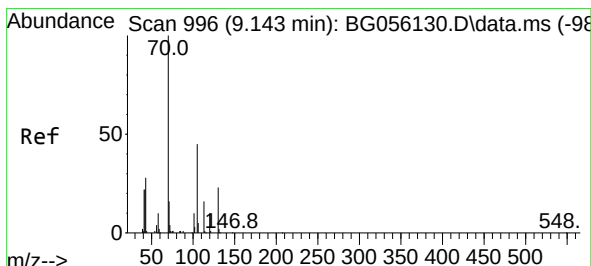
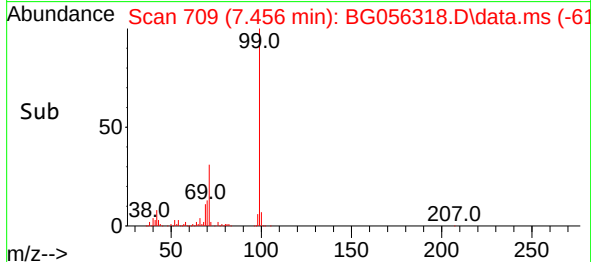
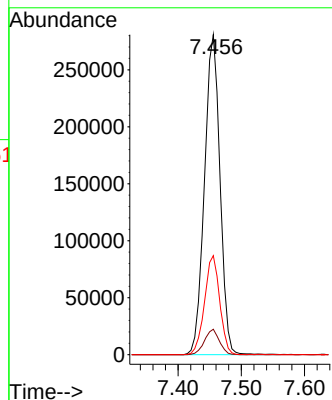
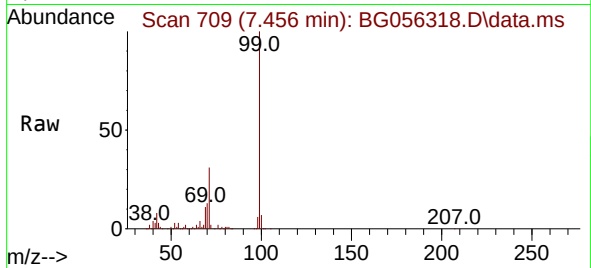




#7
Phenol-d6
Concen: 99.801 ng
RT: 7.456 min Scan# 70
Delta R.T. 0.008 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

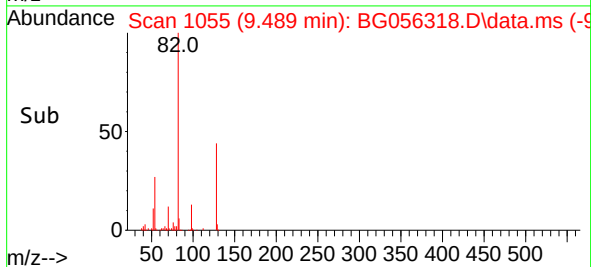
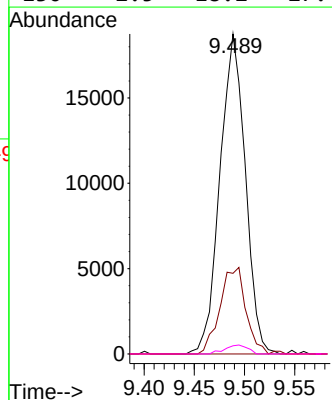
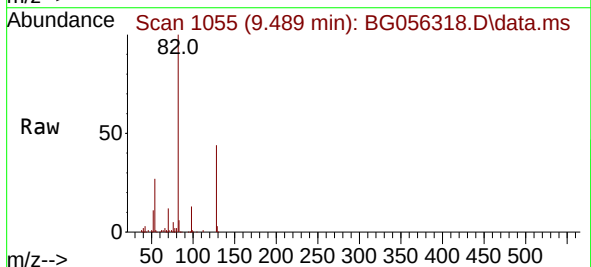
Instrument :
BNA_G
ClientSampleId :
TR-4-011323

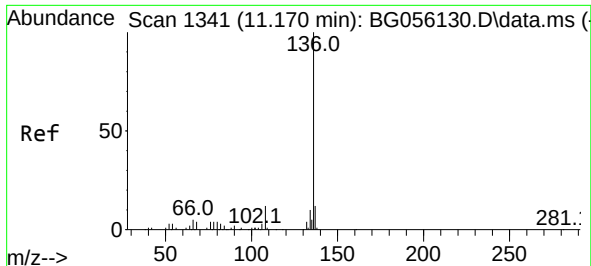
Tgt Ion: 99 Resp: 479338
Ion Ratio Lower Upper
99 100
42 7.9 5.9 8.9
71 31.0 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.267 ng
RT: 9.489 min Scan# 1055
Delta R.T. 0.373 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion: 70 Resp: 32907
Ion Ratio Lower Upper
70 100
42 25.2 18.2 27.2
101 0.0 8.3 12.5#
130 2.5 18.2 27.4#

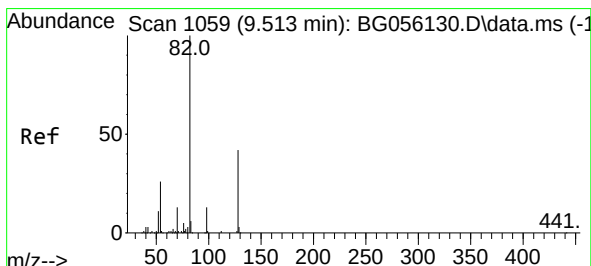
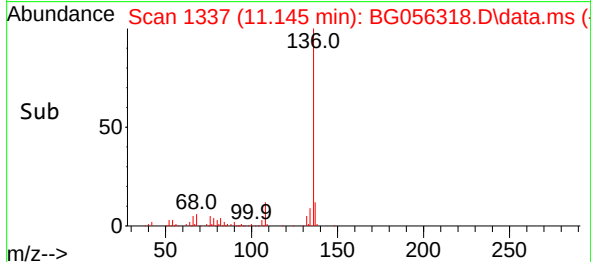
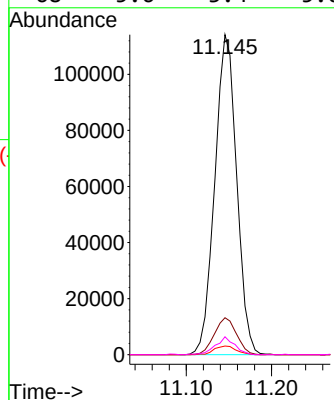
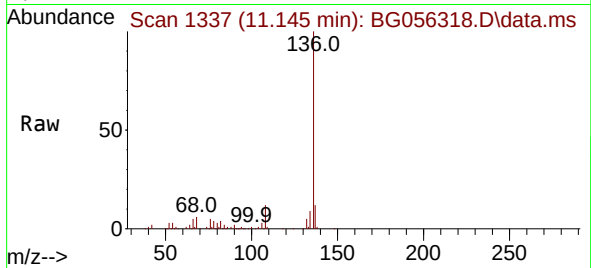




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.145 min Scan# 111
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

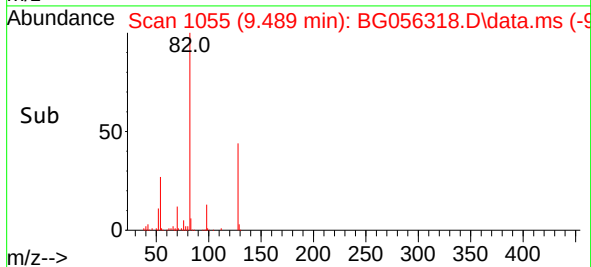
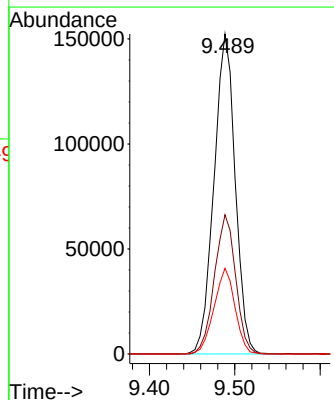
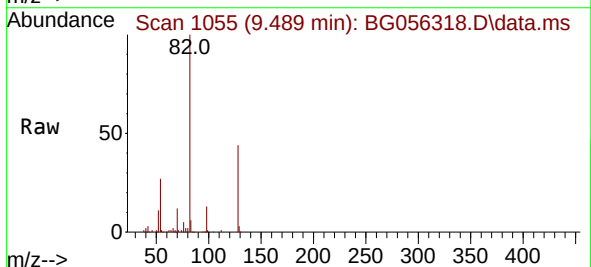
Instrument :
BNA_G
ClientSampleId :
TR-4-011323

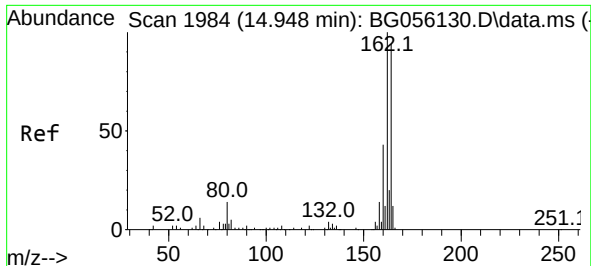
Tgt Ion:136 Resp: 203569
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.7 2.2 3.2
68 5.6 3.4 5.0#



#23
Nitrobenzene-d5
Concen: 66.201 ng
RT: 9.489 min Scan# 1055
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion: 82 Resp: 263463
Ion Ratio Lower Upper
82 100
128 43.5 33.4 50.2
54 26.7 20.3 30.5

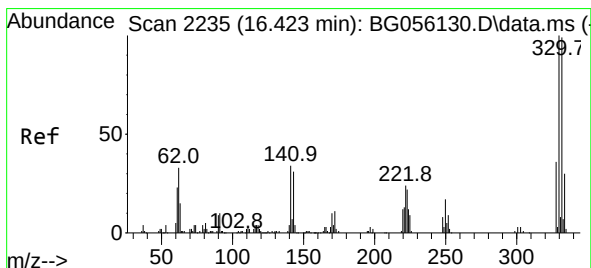
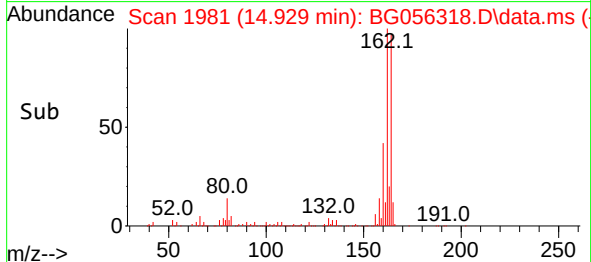
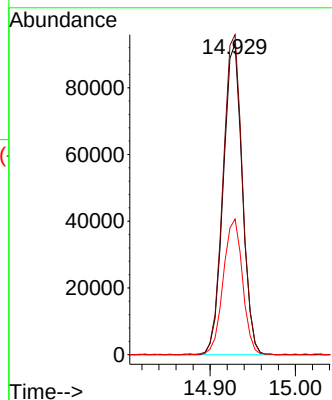
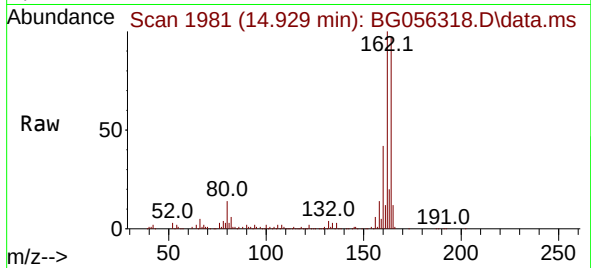




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.929 min Scan# 1981
Delta R.T. 0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

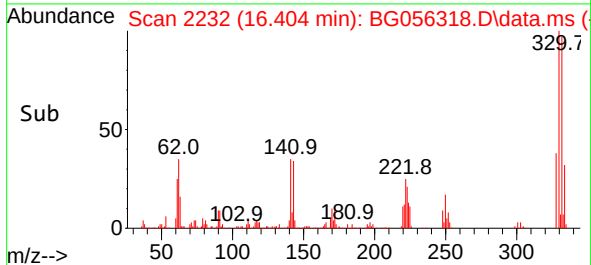
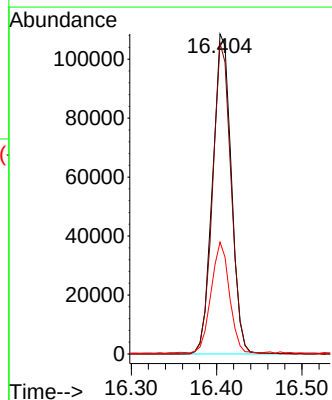
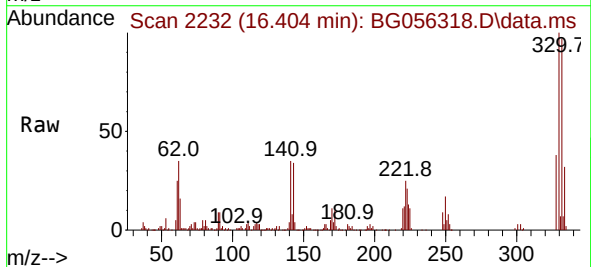
Instrument :
BNA_G
ClientSampleId :
TR-4-011323

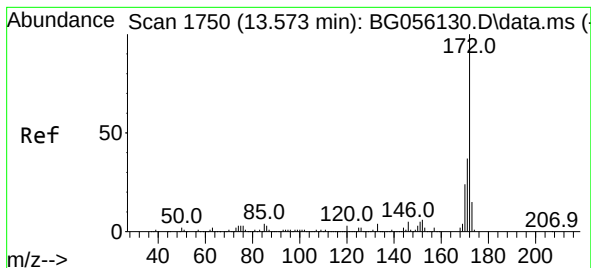
Tgt Ion:164 Resp: 144427
Ion Ratio Lower Upper
164 100
162 102.9 84.7 127.1
160 43.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 90.413 ng
RT: 16.404 min Scan# 2232
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion:330 Resp: 165378
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 34.1 27.9 41.9

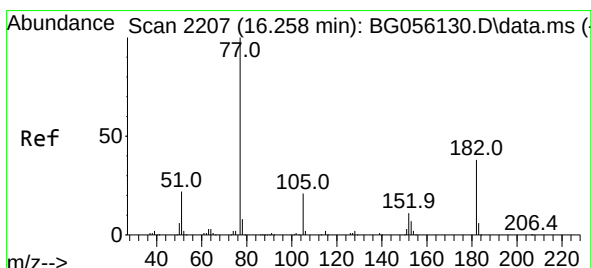
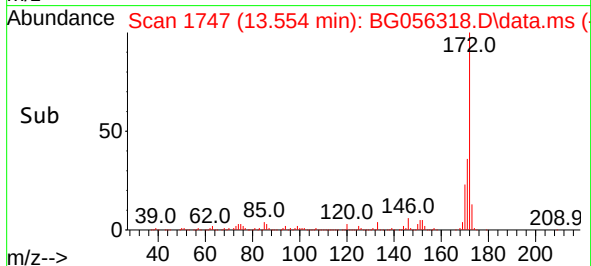
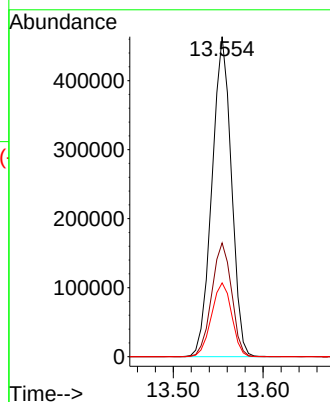
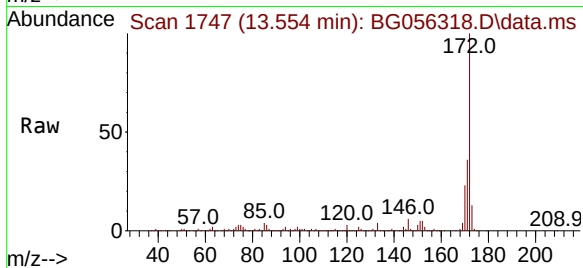




#45
2-Fluorobiphenyl
Concen: 66.531 ng
RT: 13.554 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

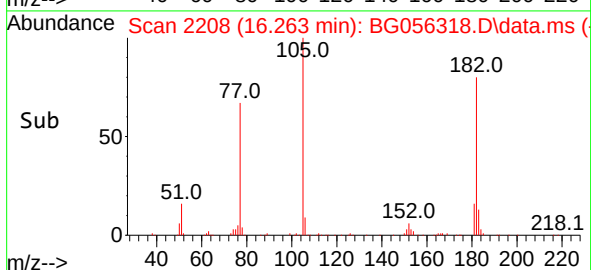
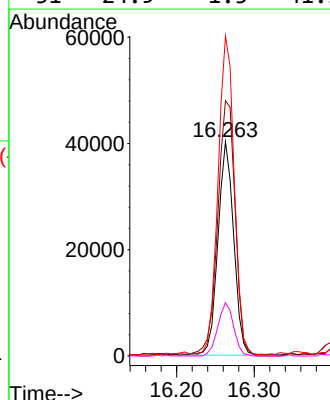
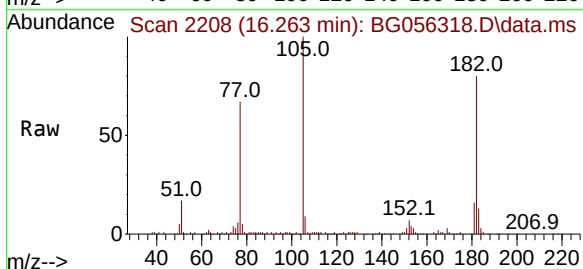
Instrument :
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ClientSampleId :
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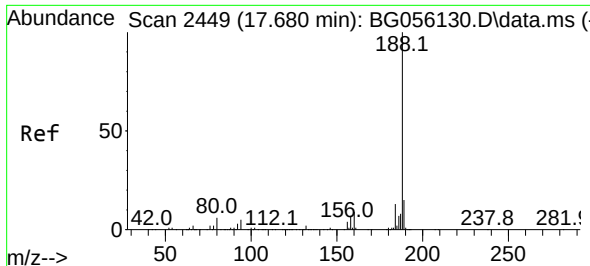
Tgt Ion:172 Resp: 695844
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.1 19.4 29.2



#63
Azobenzene
Concen: 6.724 ng
RT: 16.263 min Scan# 2208
Delta R.T. 0.020 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion: 77 Resp: 56730
Ion Ratio Lower Upper
77 100
182 119.1 18.5 58.5#
105 149.3 1.4 41.4#
51 24.9 1.5 41.5

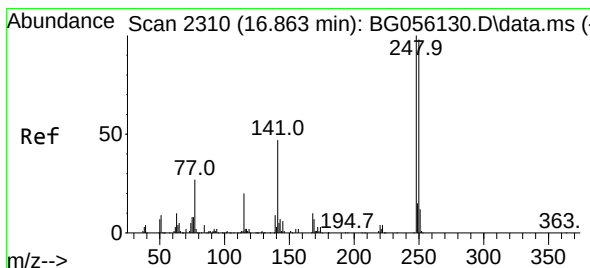
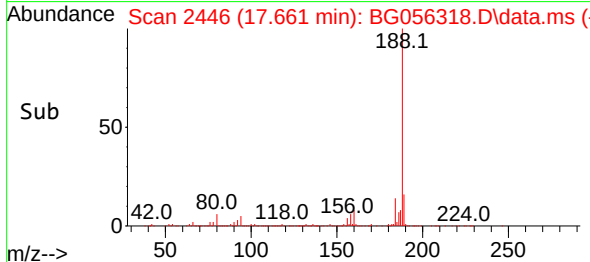
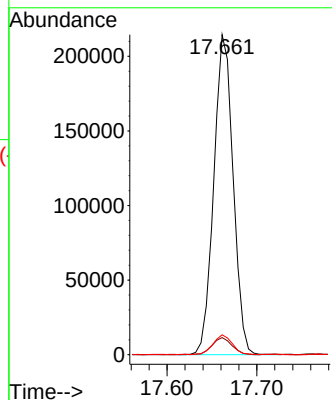
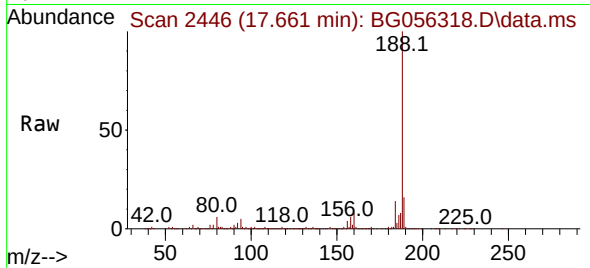




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.661 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

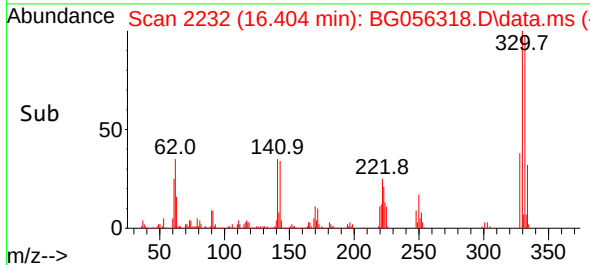
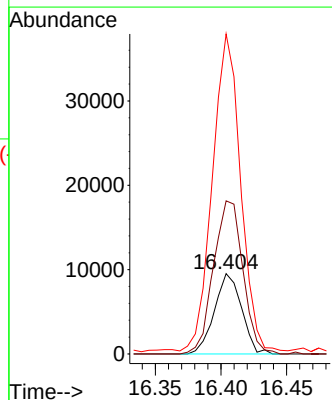
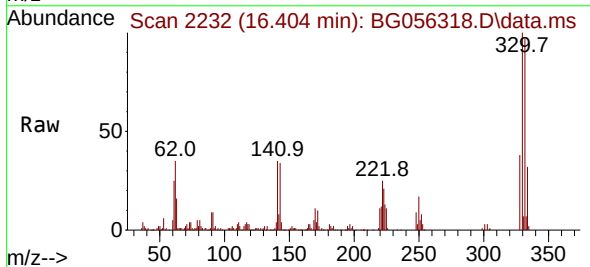
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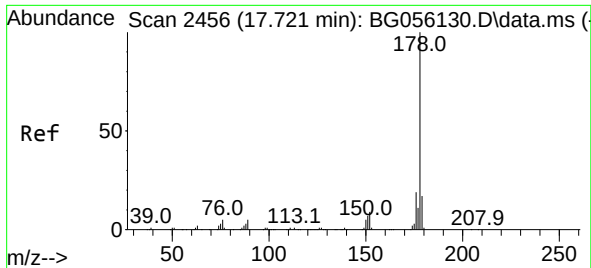
Tgt Ion:188 Resp: 320462
Ion Ratio Lower Upper
188 100
94 5.3 4.2 6.2
80 6.2 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.348 ng
RT: 16.404 min Scan# 2232
Delta R.T. -0.444 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion:248 Resp: 13663
Ion Ratio Lower Upper
248 100
250 148.0 78.2 117.4#
141 309.2 37.6 56.4#

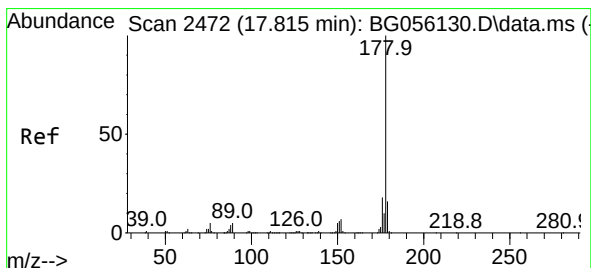
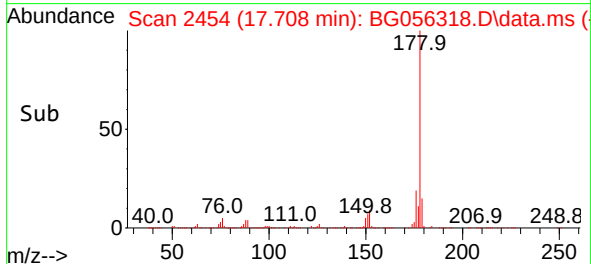
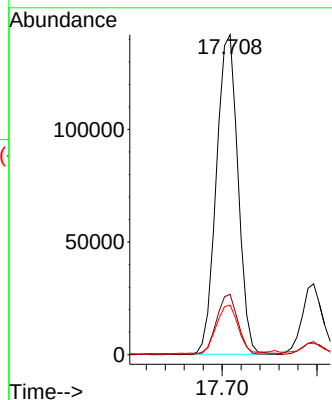
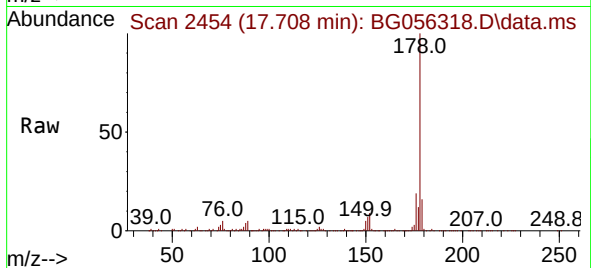




#71
Phenanthrene
Concen: 13.524 ng
RT: 17.708 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

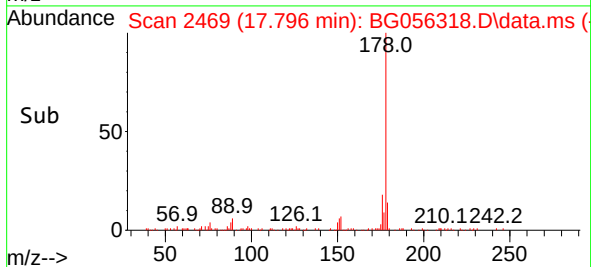
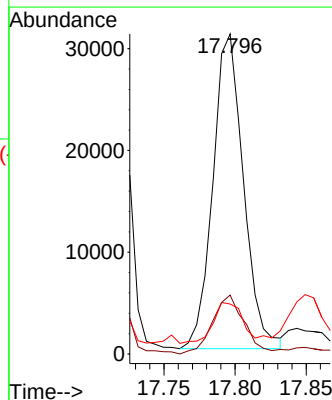
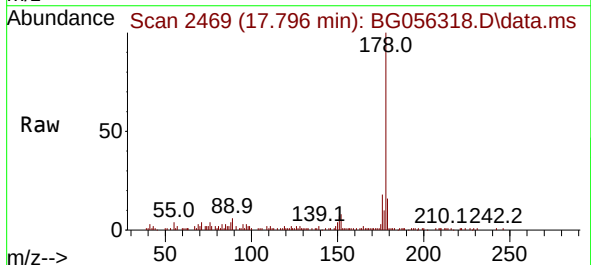
Instrument :
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TR-4-011323

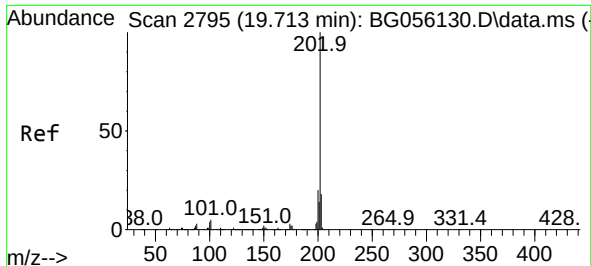
Tgt Ion:178 Resp: 224601
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.5 13.6 20.4



#72
Anthracene
Concen: 2.704 ng
RT: 17.796 min Scan# 2469
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion:178 Resp: 46320
Ion Ratio Lower Upper
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176 18.4 14.6 22.0
179 15.6 12.7 19.1

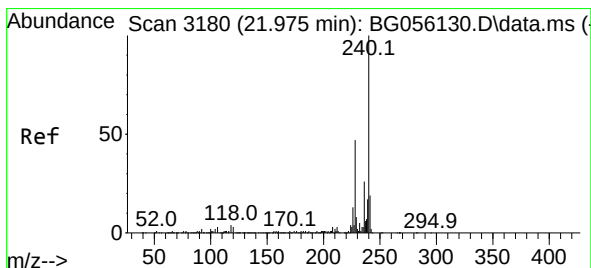
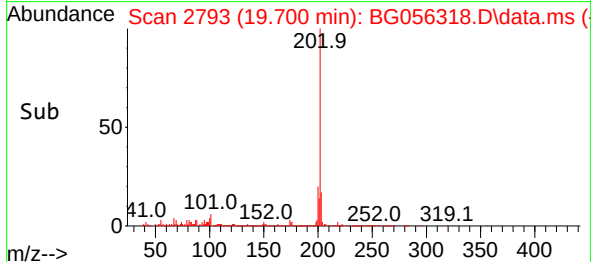
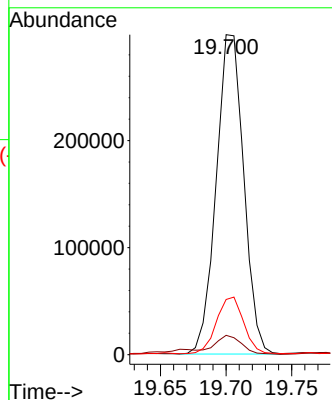
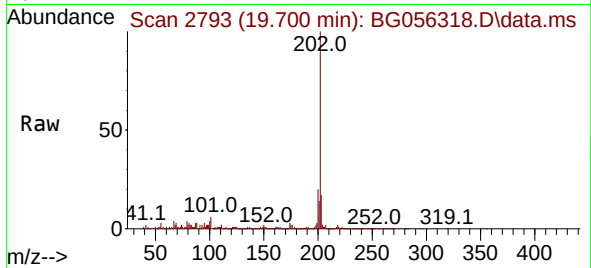




#75
Fluoranthene
Concen: 20.083 ng
RT: 19.700 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

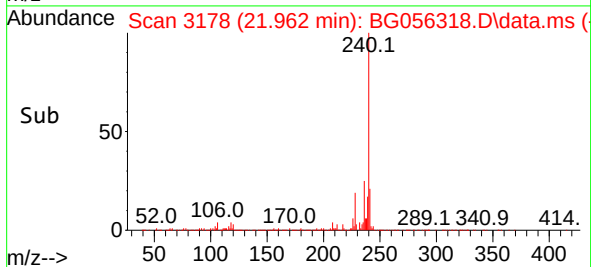
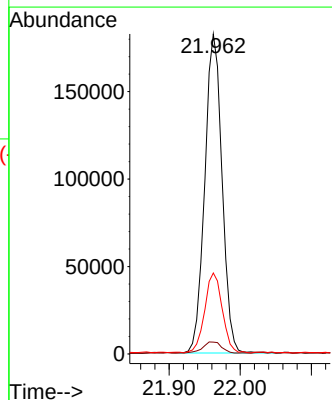
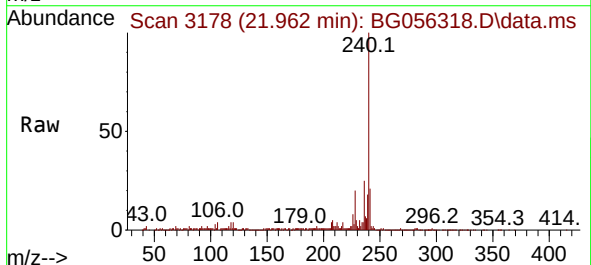
Instrument :
BNA_G
ClientSampleId :
TR-4-011323

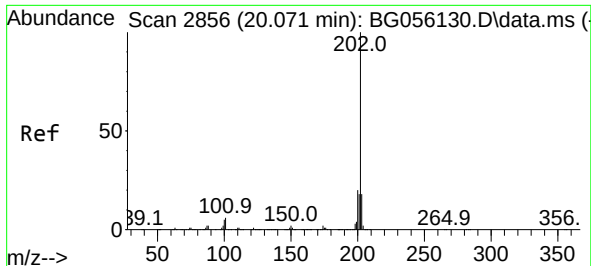
Tgt Ion:202 Resp: 435055
Ion Ratio Lower Upper
202 100
101 6.1 0.0 25.0
203 17.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.962 min Scan# 3178
Delta R.T. 0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion:240 Resp: 308327
Ion Ratio Lower Upper
240 100
120 3.7 2.6 4.0
236 25.3 20.8 31.2

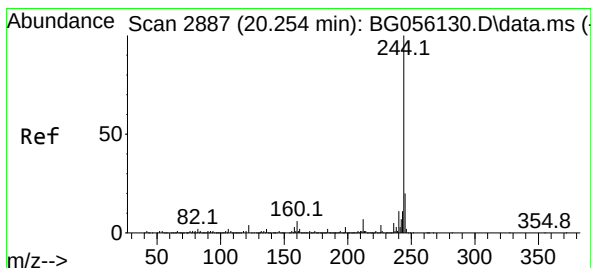
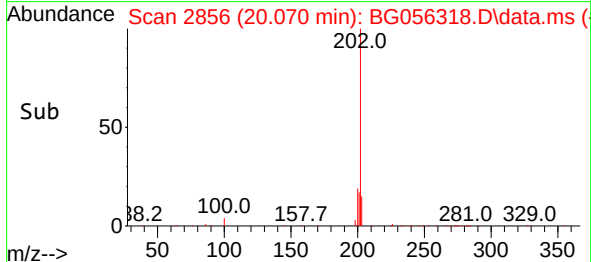
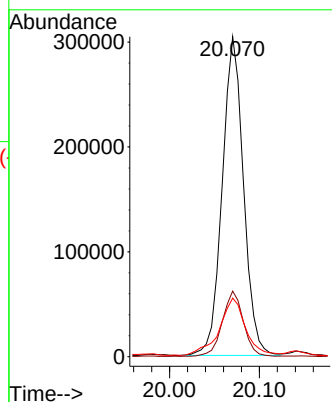
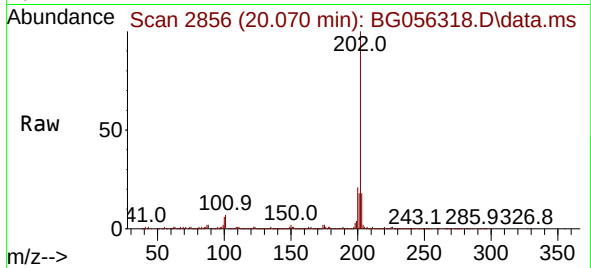




#78
 Pyrene
 Concen: 23.013 ng
 RT: 20.070 min Scan# 2856
 Delta R.T. 0.014 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06

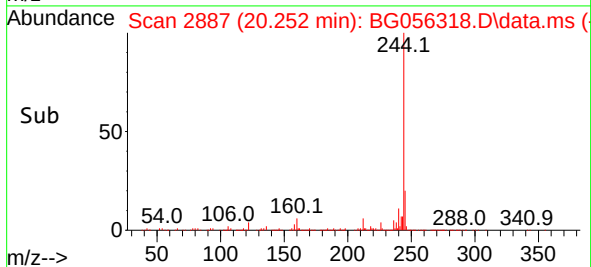
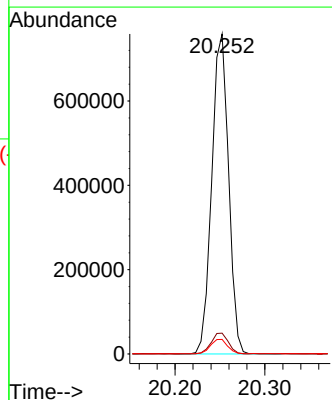
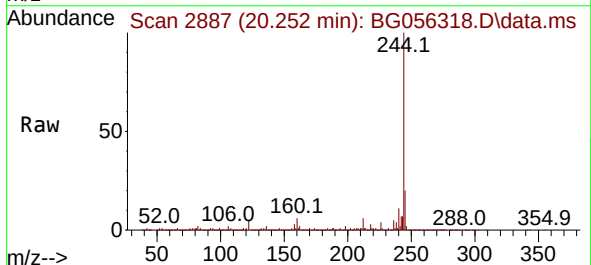
Instrument :
 BNA_G
 ClientSampleId :
 TR-4-011323

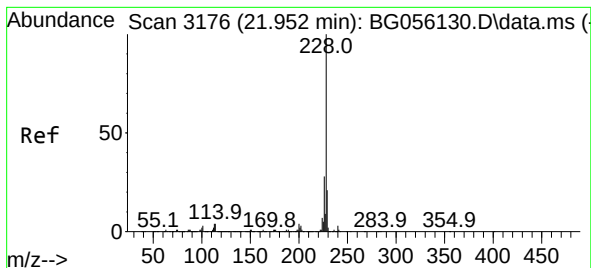
Tgt Ion:202 Resp: 500119
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.4 24.6
 203 18.3 14.3 21.5



#79
 Terphenyl-d14
 Concen: 57.302 ng
 RT: 20.252 min Scan# 2887
 Delta R.T. 0.014 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06

Tgt Ion:244 Resp: 986443
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 4.6 3.5 5.3





#81

Benzo(a)anthracene

Concen: 12.954 ng

RT: 21.945 min Scan# 3175

Delta R.T. 0.003 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

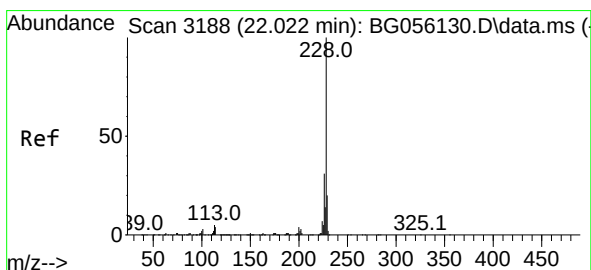
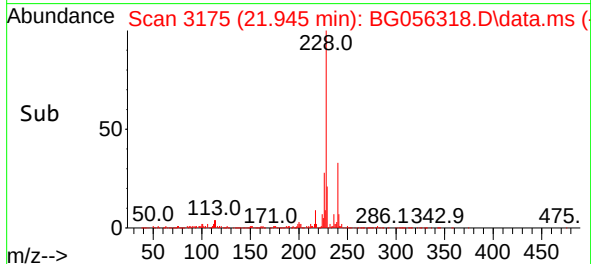
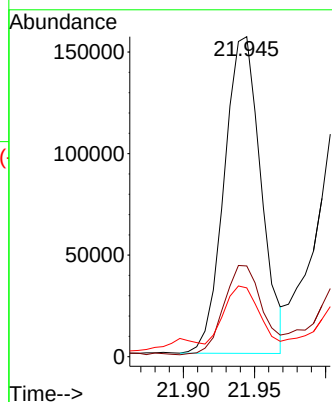
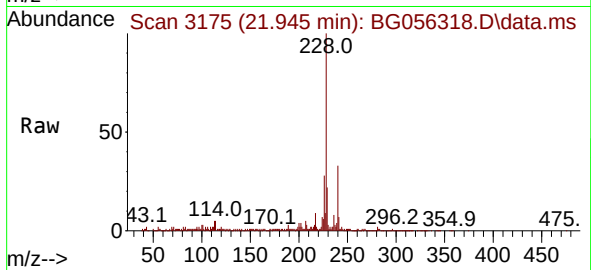
Tgt Ion:228 Resp: 280536

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

229 21.5 16.9 25.3



#83

Chrysene

Concen: 13.830 ng

RT: 21.945 min Scan# 3175

Delta R.T. -0.068 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

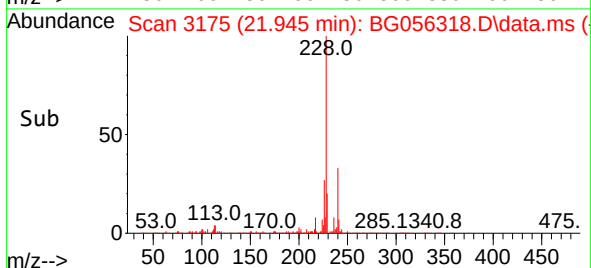
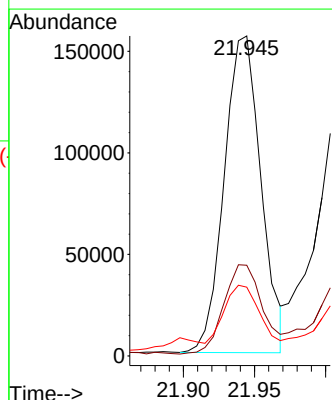
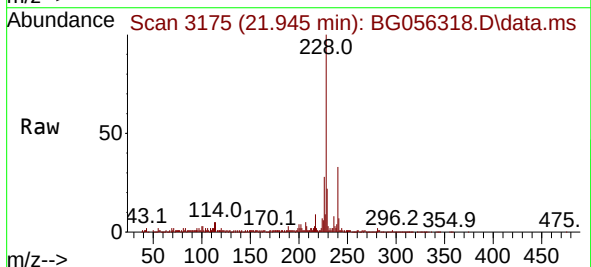
Tgt Ion:228 Resp: 280536

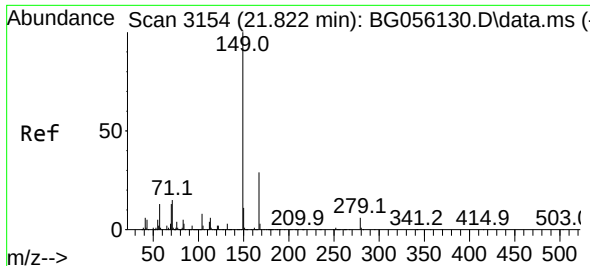
Ion Ratio Lower Upper

228 100

226 28.4 24.6 36.8

229 21.5 15.8 23.6

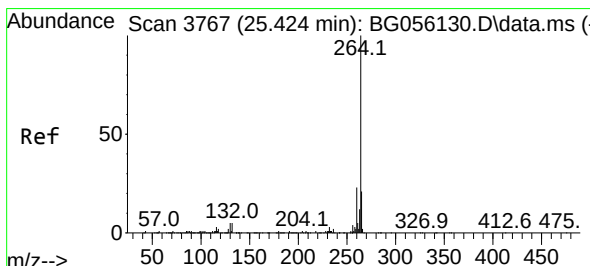
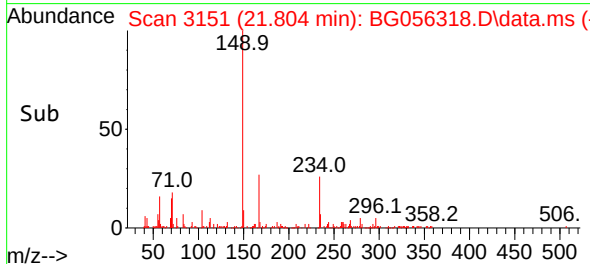
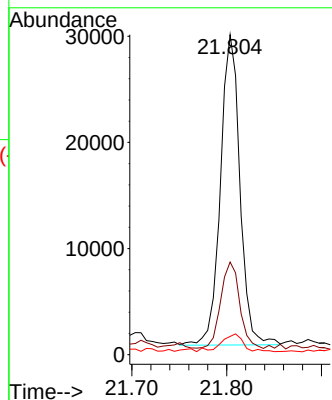
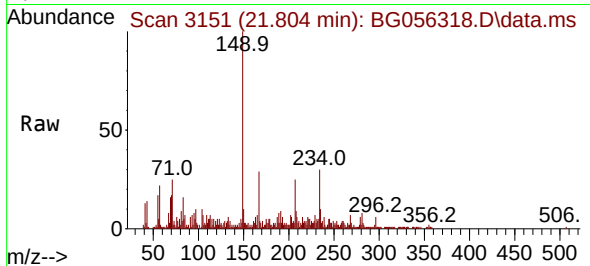




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.663 ng
RT: 21.804 min Scan# 3154
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

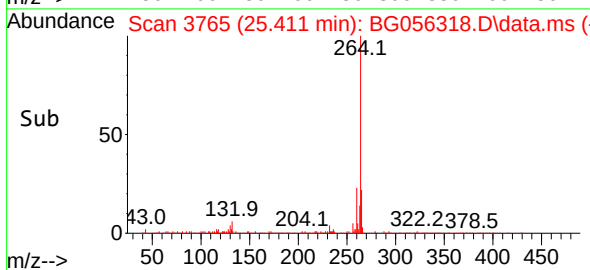
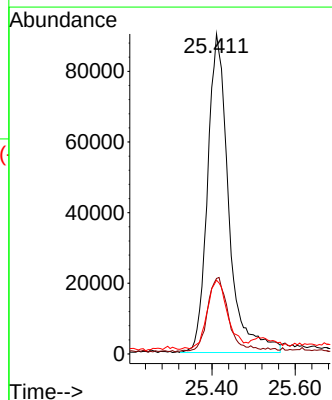
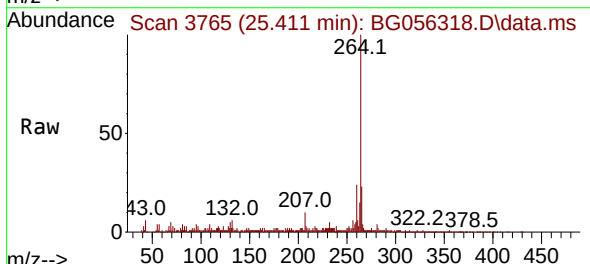
Instrument :
BNA_G
ClientSampleId :
TR-4-011323

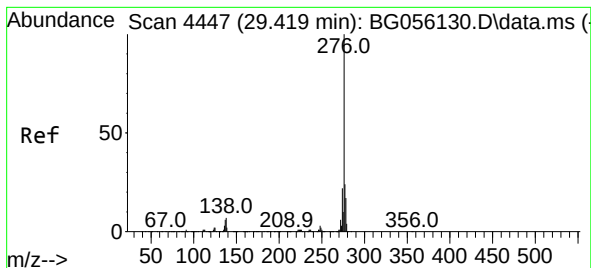
Tgt Ion:149 Resp: 41881
Ion Ratio Lower Upper
149 100
167 29.0 23.4 35.2
279 5.7 4.7 7.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.411 min Scan# 3765
Delta R.T. 0.008 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion:264 Resp: 318115
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 23.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.200 ng

RT: 29.383 min Scan# 4441

Delta R.T. 0.020 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

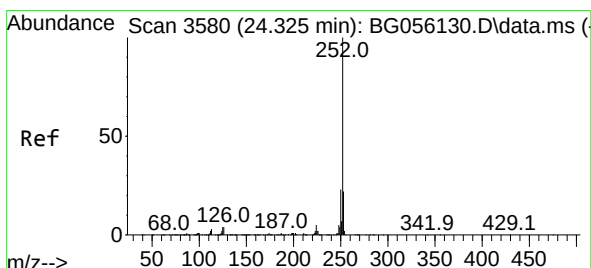
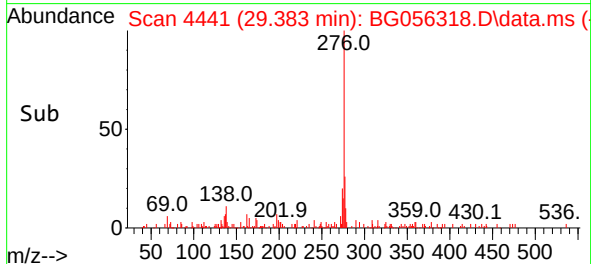
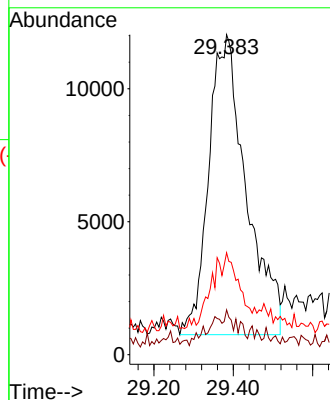
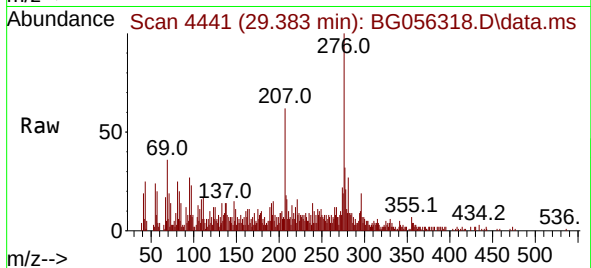
Tgt Ion:276 Resp: 74033

Ion Ratio Lower Upper

276 100

138 1.1 5.0 7.4#

277 0.0 20.5 30.7#



#88

Benzo(b)fluoranthene

Concen: 11.777 ng

RT: 24.306 min Scan# 3577

Delta R.T. 0.008 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

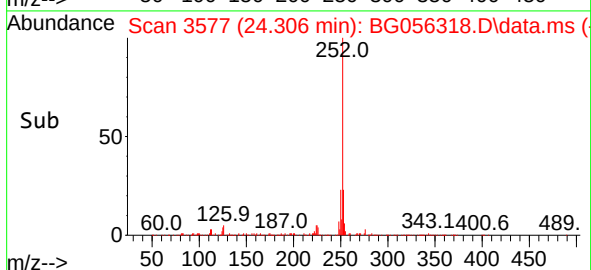
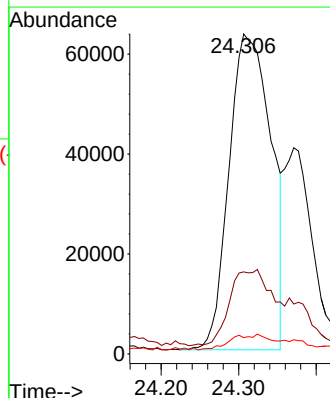
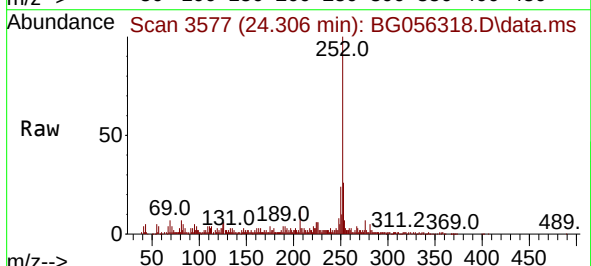
Tgt Ion:252 Resp: 238034

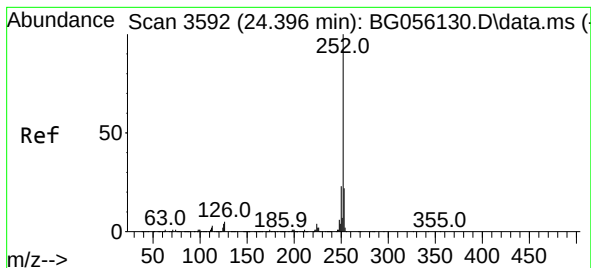
Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.2

125 5.1 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 11.827 ng

RT: 24.306 min Scan# 31

Delta R.T. -0.068 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

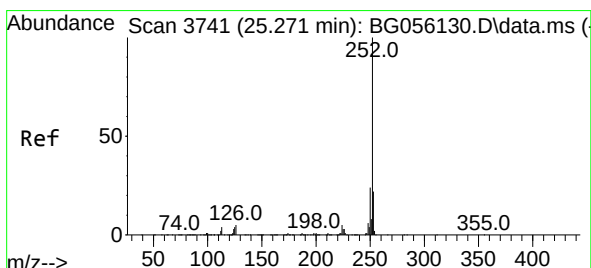
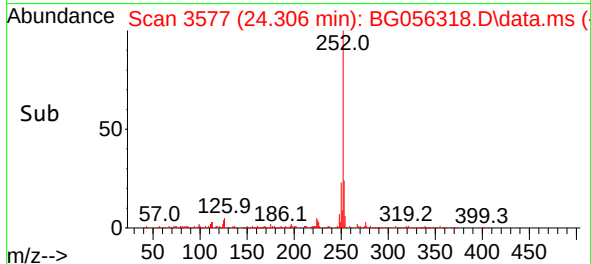
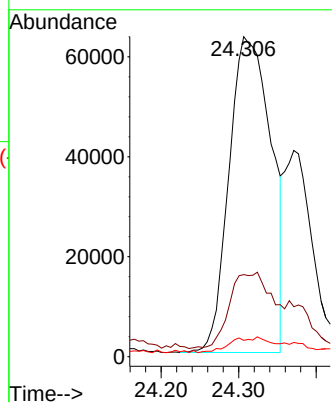
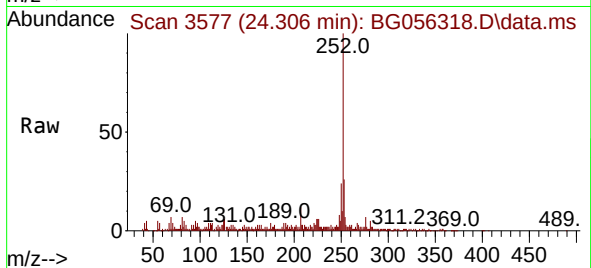
Tgt Ion:252 Resp: 238034

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 5.1 3.4 5.0#



#90

Benzo(a)pyrene

Concen: 9.109 ng

RT: 25.247 min Scan# 3737

Delta R.T. 0.003 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

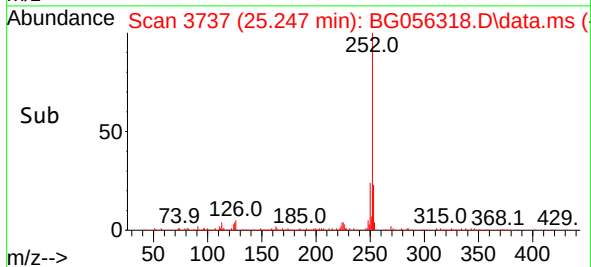
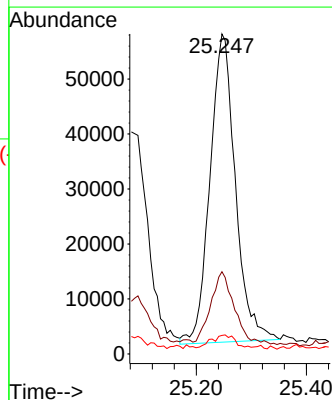
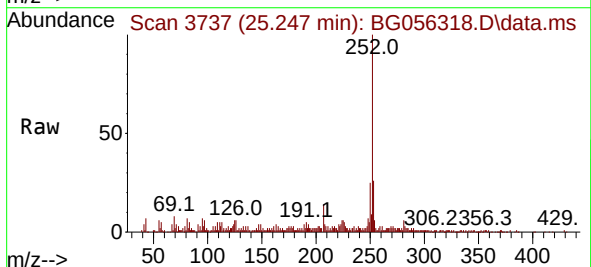
Tgt Ion:252 Resp: 179582

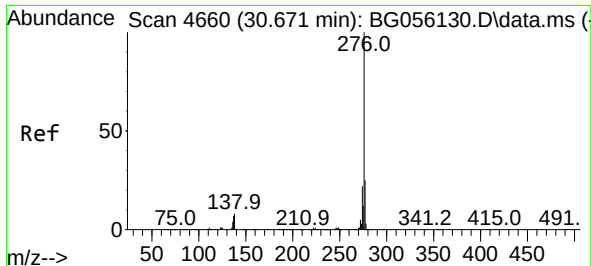
Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.2

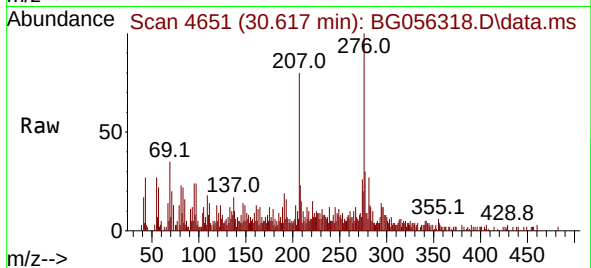
125 5.8 3.2 4.8#





#92
 Benzo(g,h,i)perylene
 Concen: 3.568 ng
 RT: 30.617 min Scan# 4
 Delta R.T. 0.003 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06

Instrument :
 BNA_G
 ClientSampleId :
 TR-4-011323



Tgt Ion:276 Resp: 67109
 Ion Ratio Lower Upper
 276 100
 277 30.1 19.7 29.5#
 138 10.4 6.7 10.1#

