

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056376.D
 Acq On : 20 Jan 2023 20:51
 Operator : CG/JU
 Sample : 01240-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-011923

Quant Time: Jan 23 00:02:17 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)

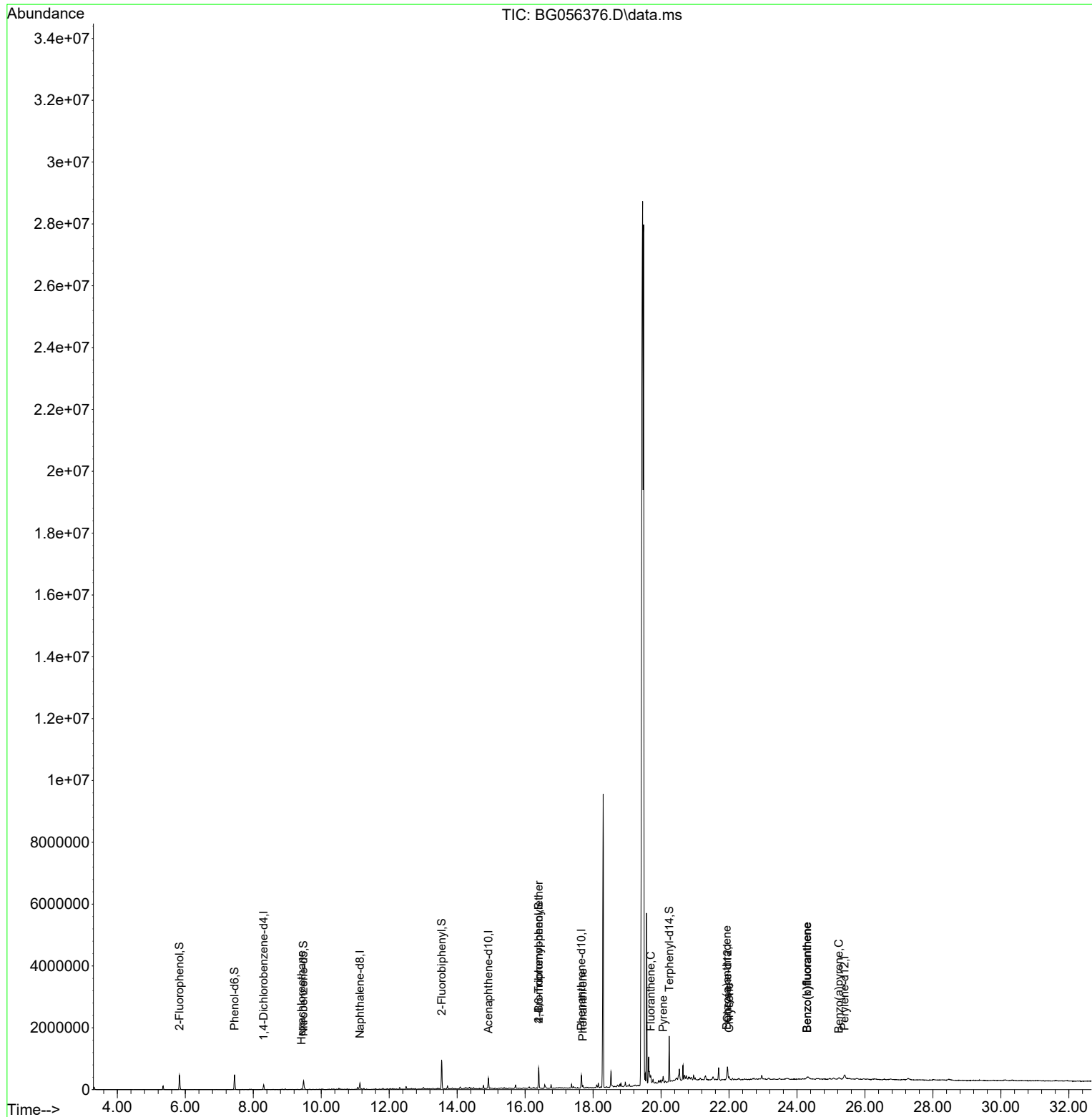
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.307	152	52612	20.000	ng	0.00
21) Naphthalene-d8	11.139	136	189073	20.000	ng	# 0.00
39) Acenaphthene-d10	14.917	164	127524	20.000	ng	0.00
64) Phenanthrene-d10	17.655	188	292565	20.000	ng	0.00
76) Chrysene-d12	21.956	240	283360	20.000	ng	0.00
86) Perylene-d12	25.399	264	253790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	277585	94.204	ng	0.00
7) Phenol-d6	7.449	99	381878	84.389	ng	0.00
23) Nitrobenzene-d5	9.476	82	205761	55.666	ng	-0.01
42) 2,4,6-Tribromophenol	16.397	330	145710	90.219	ng	0.00
45) 2-Fluorobiphenyl	13.542	172	545106	59.027	ng	0.00
79) Terphenyl-d14	20.240	244	770097	48.676	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.417	117	2693	2.474	ng	# 1
67) 4-Bromophenyl-phenylether	16.397	248	11685	3.136	ng	# 1
71) Phenanthrene	17.696	178	55539	3.663	ng	99
75) Fluoranthene	19.694	202	127641	6.454	ng	97
78) Pyrene	20.058	202	150246	7.523	ng	99
81) Benzo(a)anthracene	21.932	228	84645	4.253	ng	95
83) Chrysene	22.003	228	90718	4.866	ng	# 92
88) Benzo(b)fluoranthene	24.300	252	96127	5.961	ng	# 77
89) Benzo(k)fluoranthene	24.300	252	96127	5.987	ng	# 78
90) Benzo(a)pyrene	25.234	252	77722	4.942	ng	# 85

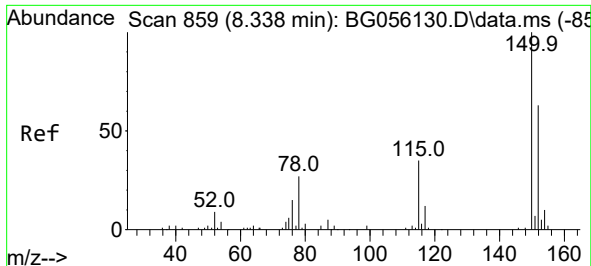
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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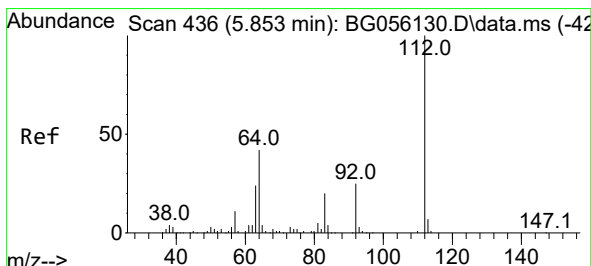
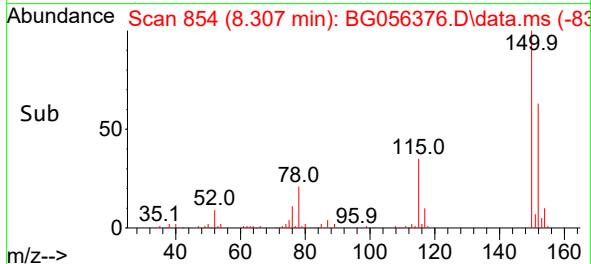
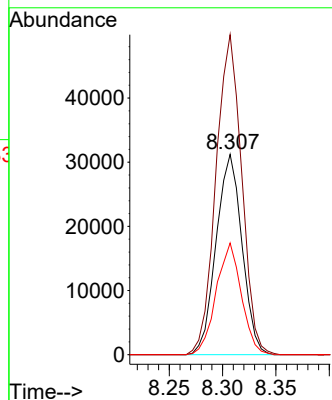
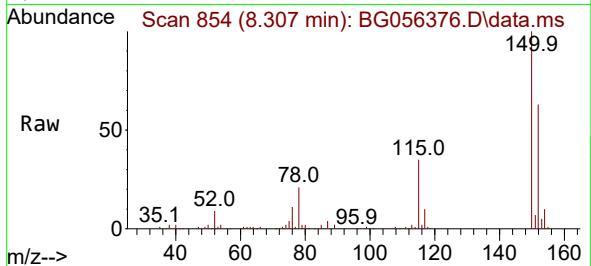




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.307 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

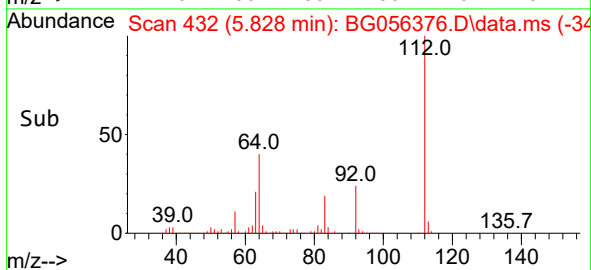
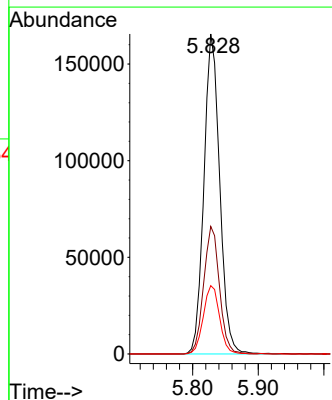
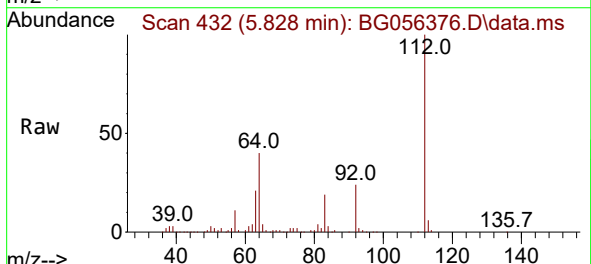
Instrument :
BNA_G
ClientSampleId :
TR-05-011923

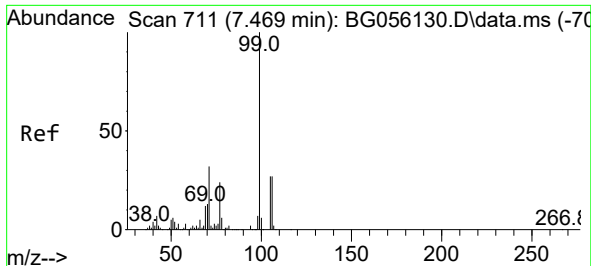
Tgt Ion:152 Resp: 52612
Ion Ratio Lower Upper
152 100
150 159.7 127.9 191.9
115 55.8 44.2 66.2



#5
2-Fluorophenol
Concen: 94.204 ng
RT: 5.828 min Scan# 432
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion:112 Resp: 277585
Ion Ratio Lower Upper
112 100
64 39.9 33.3 49.9
63 21.4 19.0 28.4

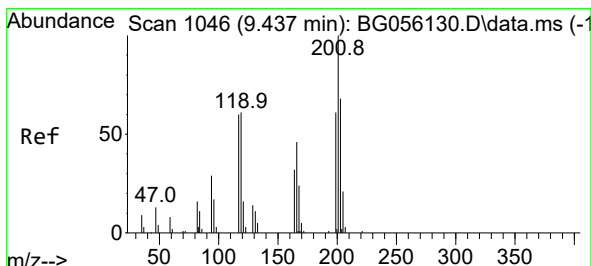
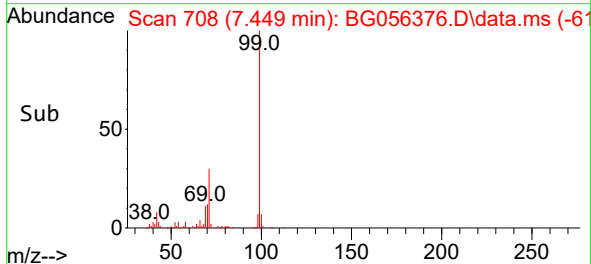
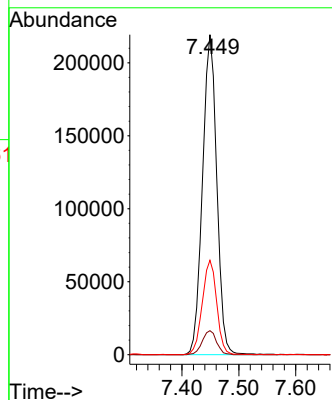
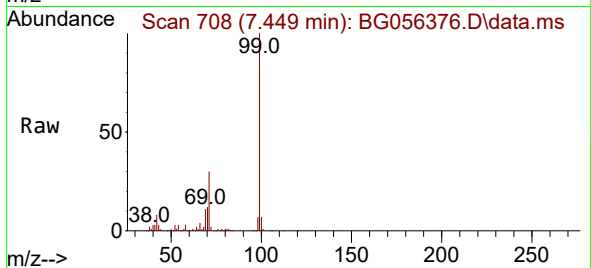




#7
Phenol-d6
Concen: 84.389 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

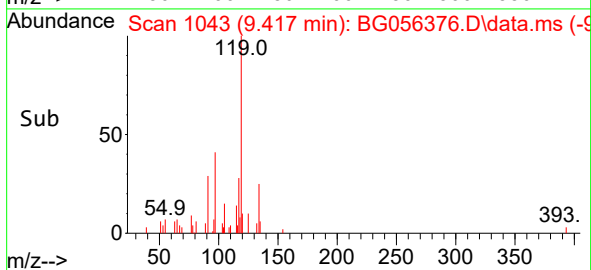
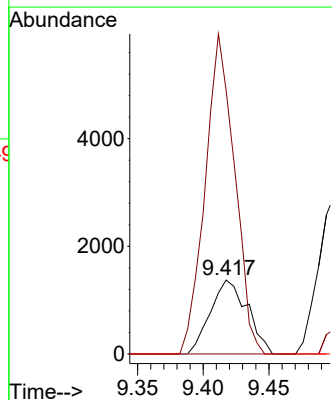
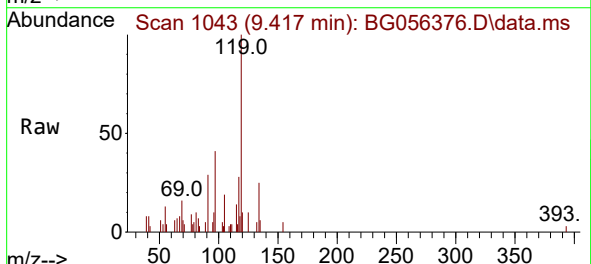
Instrument :
BNA_G
ClientSampleId :
TR-05-011923

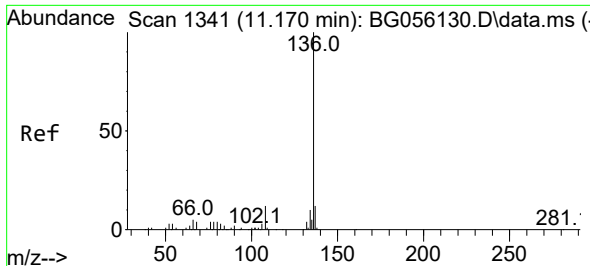
Tgt Ion: 99 Resp: 381878
Ion Ratio Lower Upper
99 100
42 7.5 5.9 8.9
71 29.5 25.4 38.2



#18
Hexachloroethane
Concen: 2.474 ng
RT: 9.417 min Scan# 1043
Delta R.T. 0.013 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion: 117 Resp: 2693
Ion Ratio Lower Upper
117 100
119 356.7 81.8 122.6#
201 0.0 134.2 201.2#

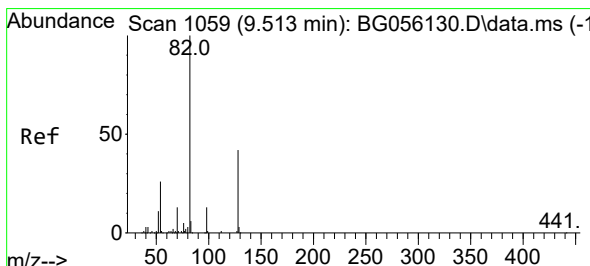
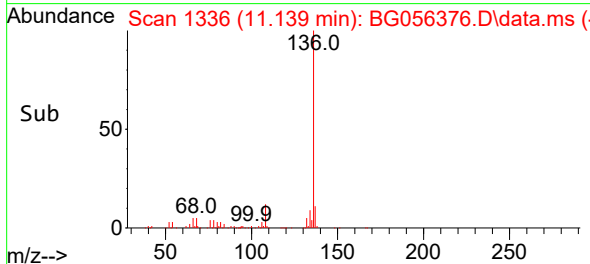
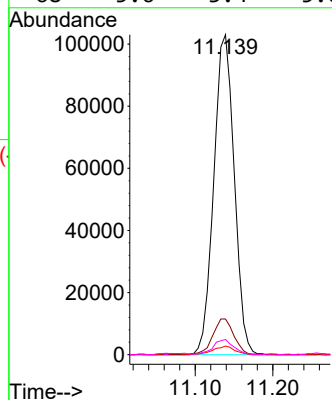
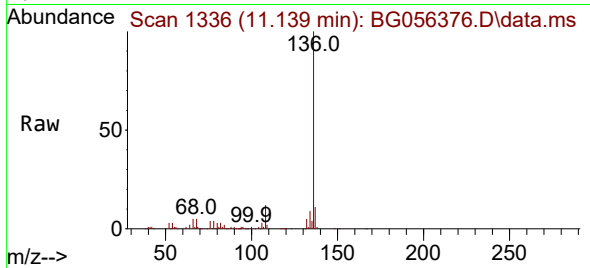




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.139 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

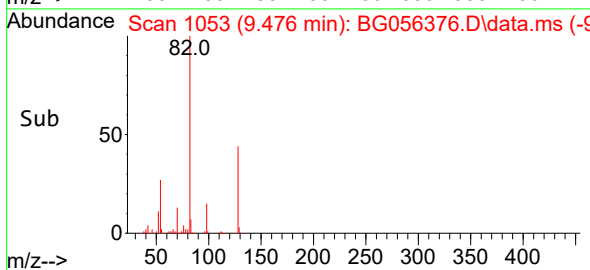
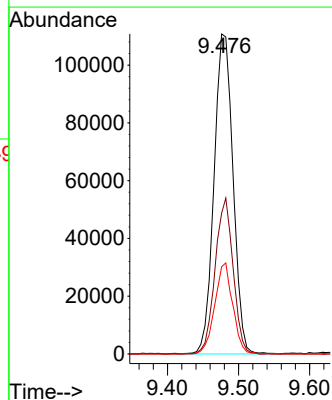
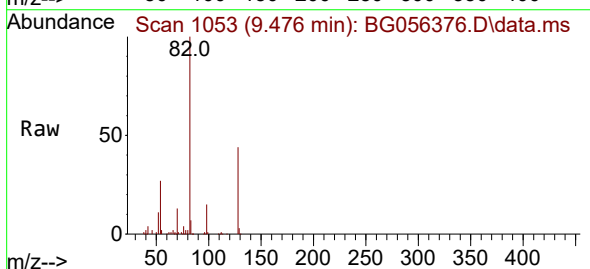
Instrument :
BNA_G
ClientSampleId :
TR-05-011923

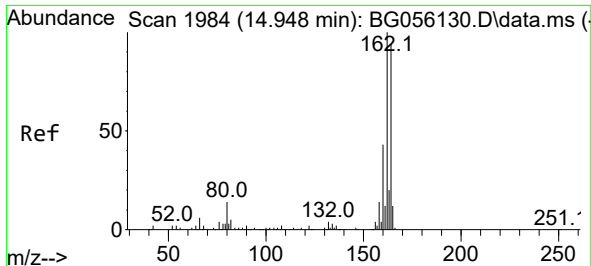
Tgt Ion:136 Resp: 189073
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 2.7 2.2 3.2
68 5.6 3.4 5.0#



#23
Nitrobenzene-d5
Concen: 55.666 ng
RT: 9.476 min Scan# 1053
Delta R.T. -0.011 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion: 82 Resp: 205761
Ion Ratio Lower Upper
82 100
128 44.0 33.4 50.2
54 27.3 20.3 30.5

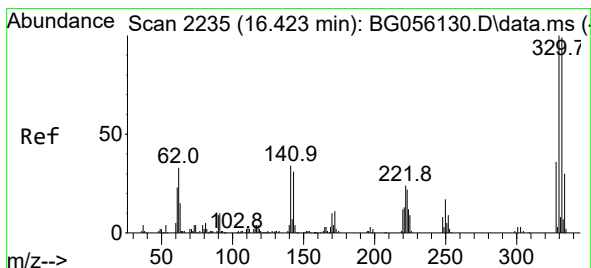
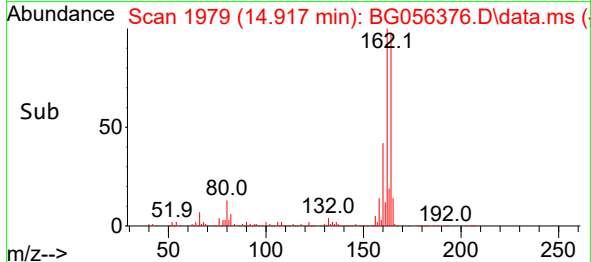
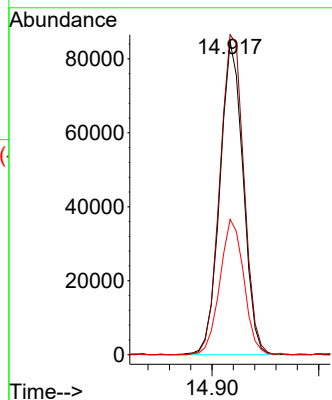
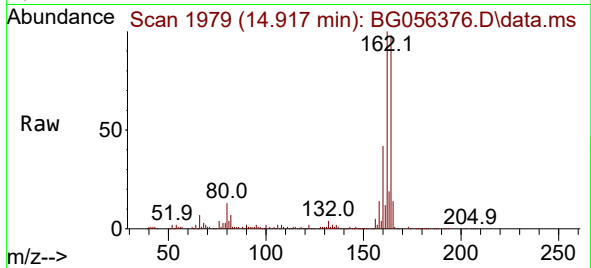




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.917 min Scan# 1979
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

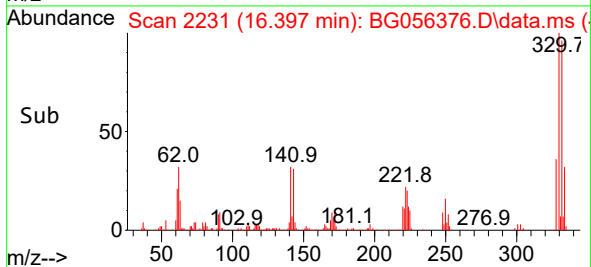
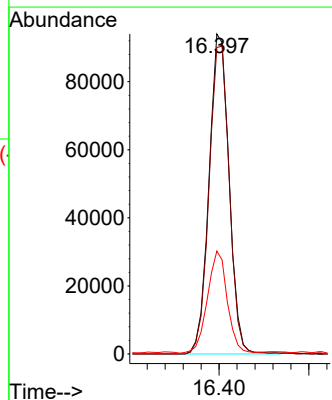
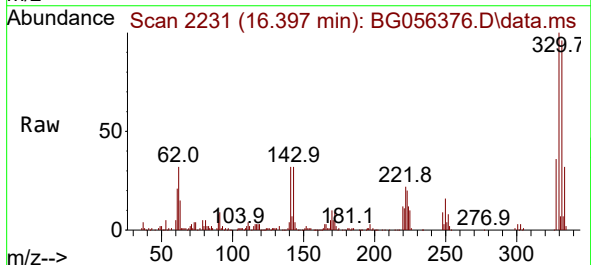
Instrument :
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ClientSampleId :
TR-05-011923

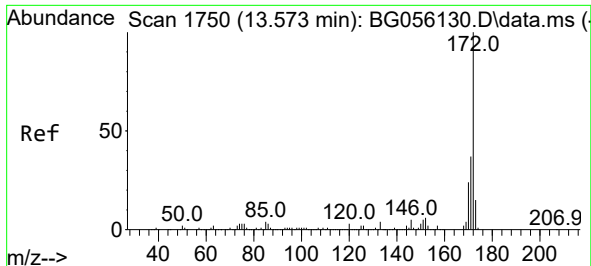
Tgt Ion:164 Resp: 127524
Ion Ratio Lower Upper
164 100
162 102.3 84.7 127.1
160 43.2 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 90.219 ng
RT: 16.397 min Scan# 2231
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion:330 Resp: 145710
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 31.4 27.9 41.9

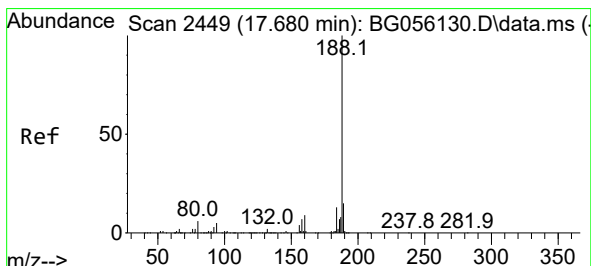
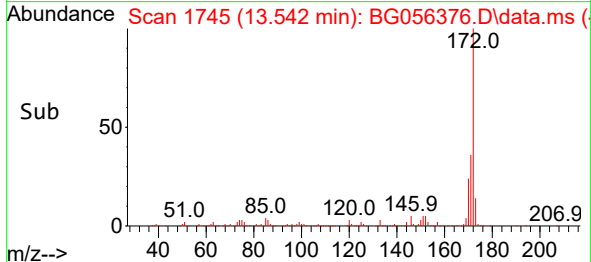
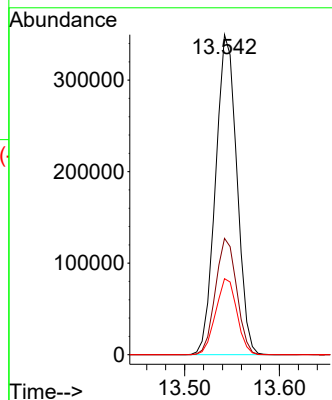
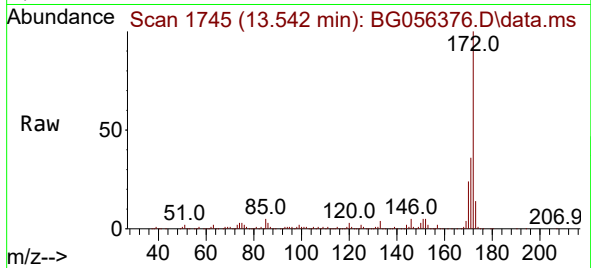




#45
2-Fluorobiphenyl
Concen: 59.027 ng
RT: 13.542 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

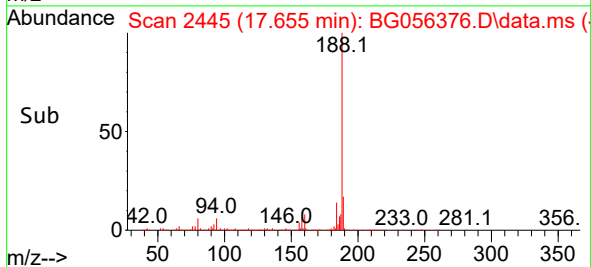
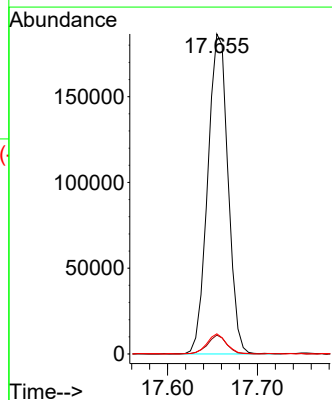
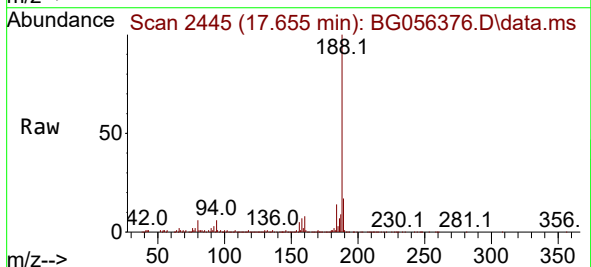
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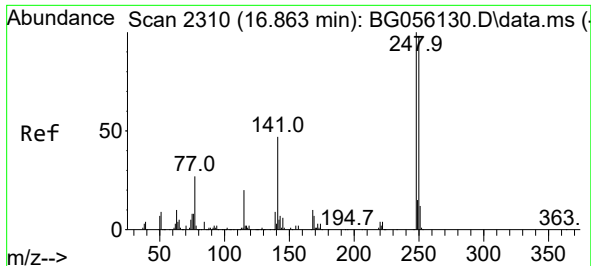
Tgt Ion:172 Resp: 545106
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.4 29.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.655 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion:188 Resp: 292565
Ion Ratio Lower Upper
188 100
94 5.9 4.2 6.2
80 6.3 5.0 7.4

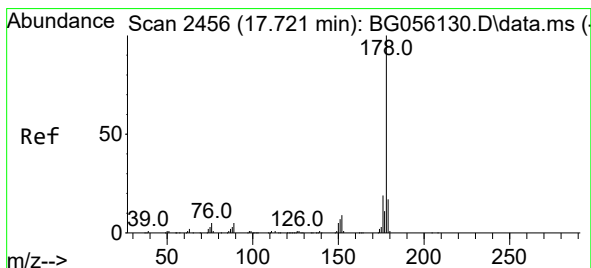
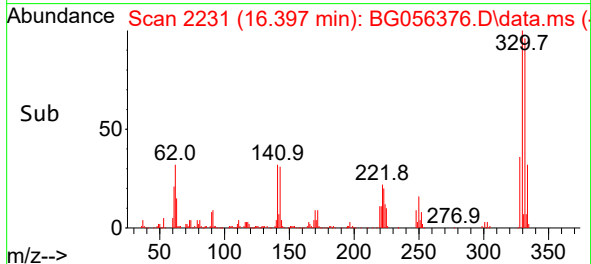
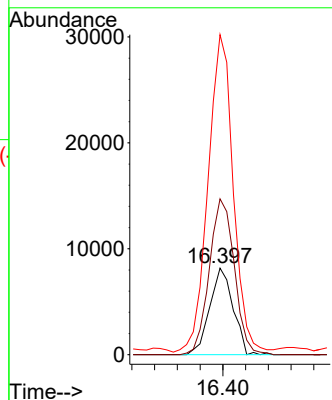
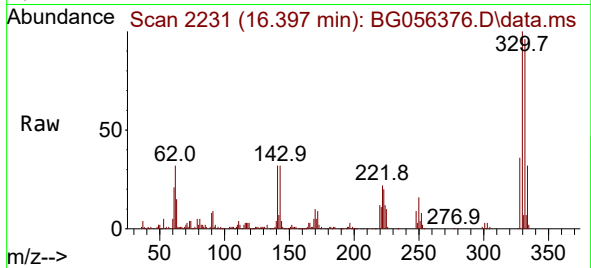




#67
4-Bromophenyl-phenylether
Concen: 3.136 ng
RT: 16.397 min Scan# 211
Delta R.T. -0.440 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

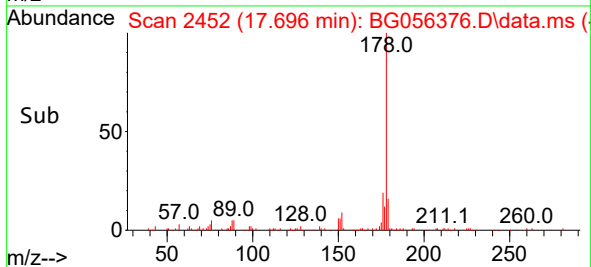
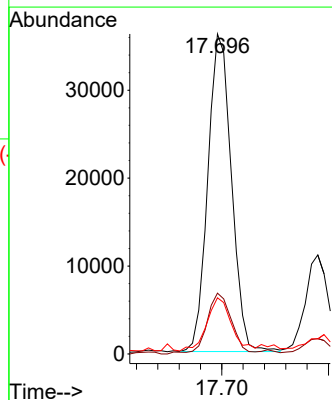
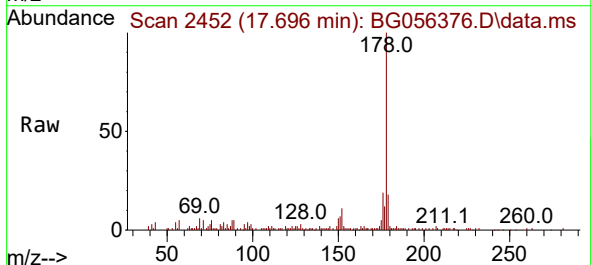
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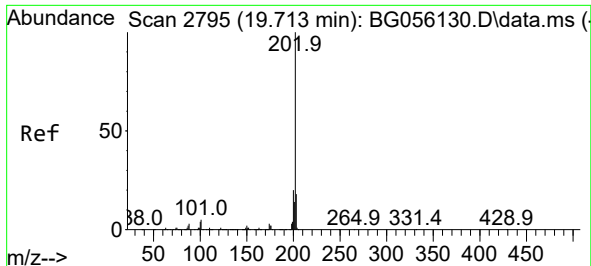
Tgt Ion:248 Resp: 11685
Ion Ratio Lower Upper
248 100
250 179.9 78.2 117.4#
141 369.5 37.6 56.4#



#71
Phenanthrene
Concen: 3.663 ng
RT: 17.696 min Scan# 2452
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion:178 Resp: 55539
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 17.6 13.6 20.4

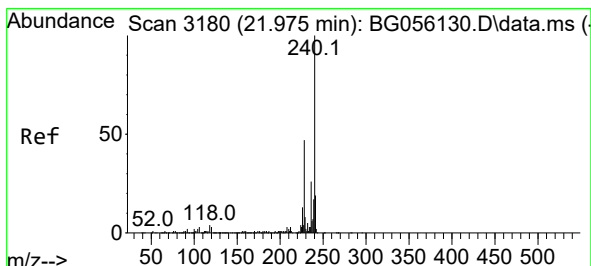
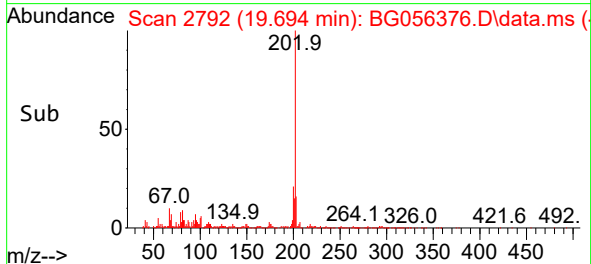
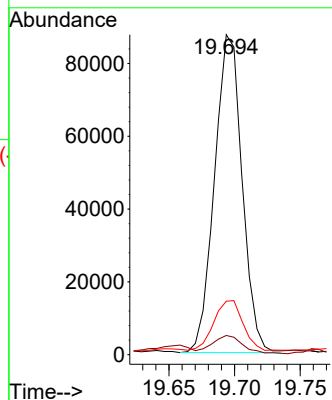
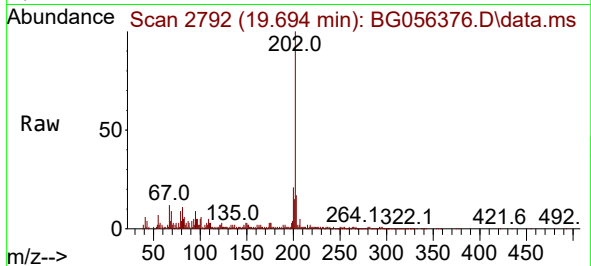




#75
Fluoranthene
Concen: 6.454 ng
RT: 19.694 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

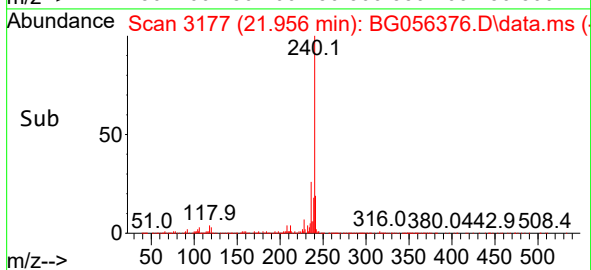
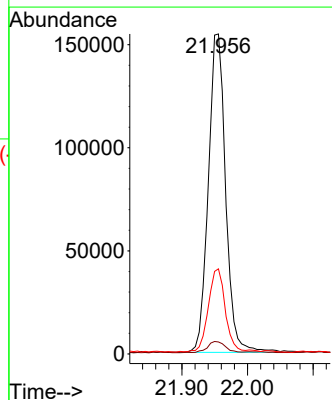
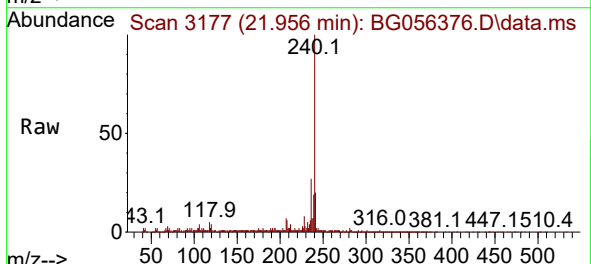
Instrument :
BNA_G
ClientSampleId :
TR-05-011923

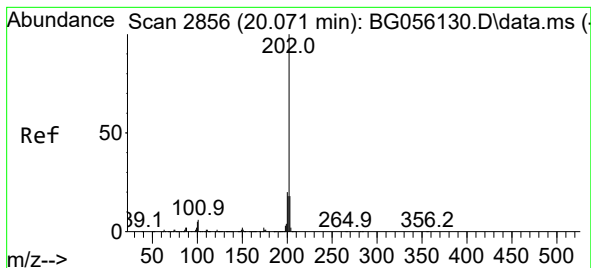
Tgt Ion:202 Resp: 127641
Ion Ratio Lower Upper
202 100
101 6.0 0.0 25.0
203 16.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.956 min Scan# 3177
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion:240 Resp: 283360
Ion Ratio Lower Upper
240 100
120 3.8 2.6 4.0
236 26.6 20.8 31.2





#78

Pyrene

Concen: 7.523 ng

RT: 20.058 min Scan# 2854

Delta R.T. 0.007 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

Instrument :

BNA_G

ClientSampleId :

TR-05-011923

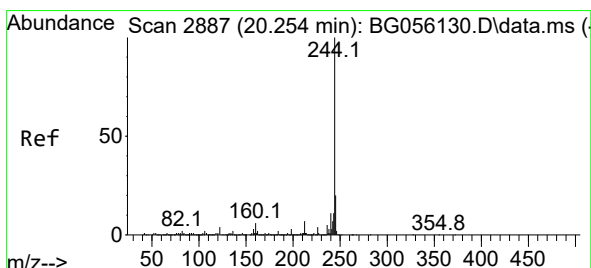
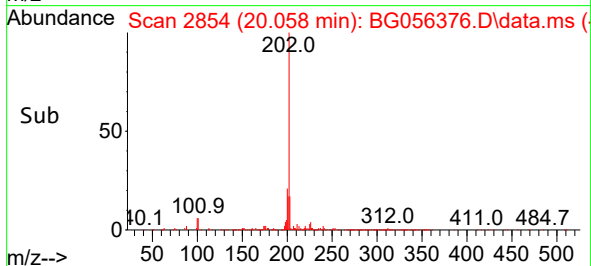
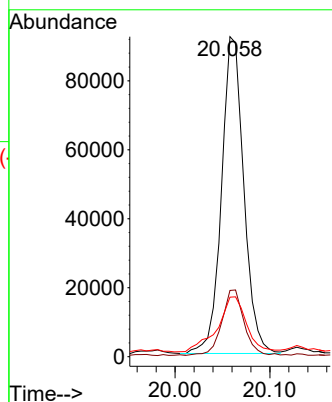
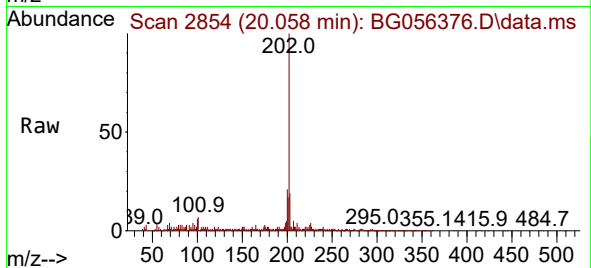
Tgt Ion:202 Resp: 150246

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

203 18.6 14.3 21.5



#79

Terphenyl-d14

Concen: 48.676 ng

RT: 20.240 min Scan# 2885

Delta R.T. 0.007 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

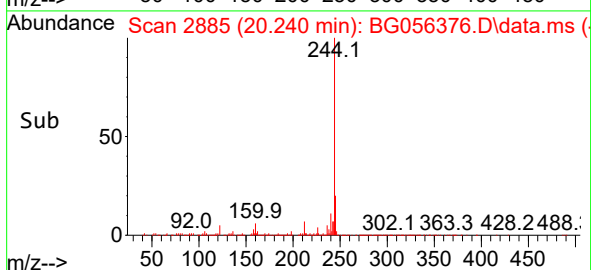
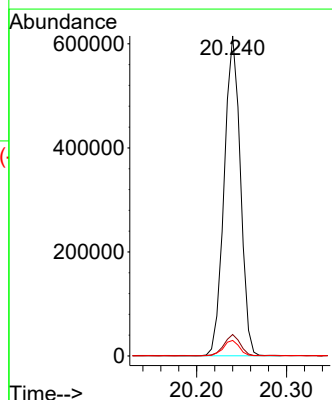
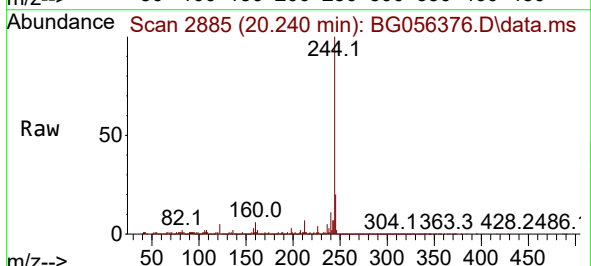
Tgt Ion:244 Resp: 770097

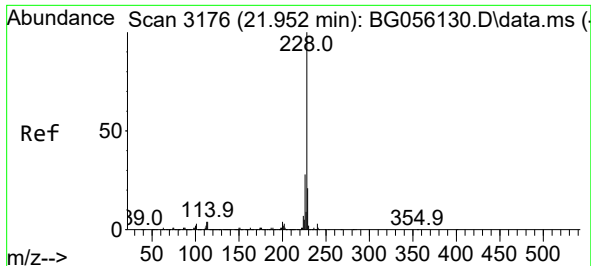
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 4.9 3.5 5.3

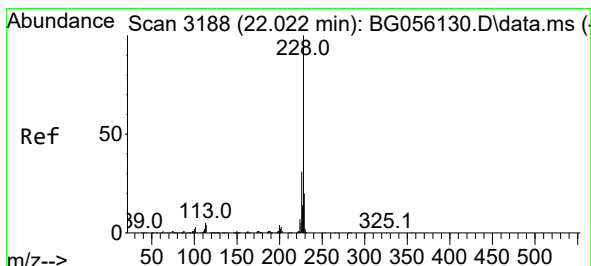
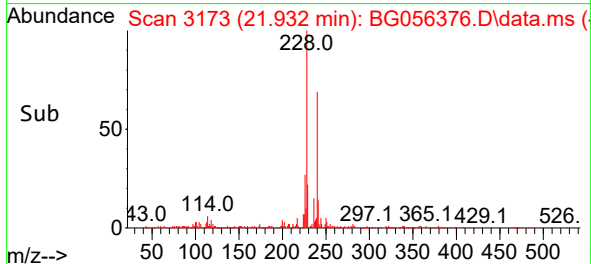
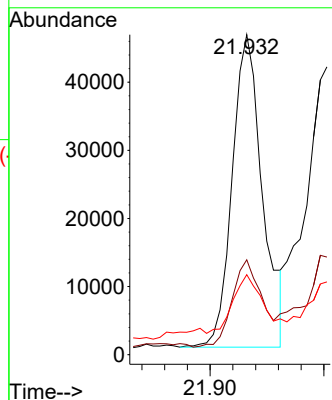
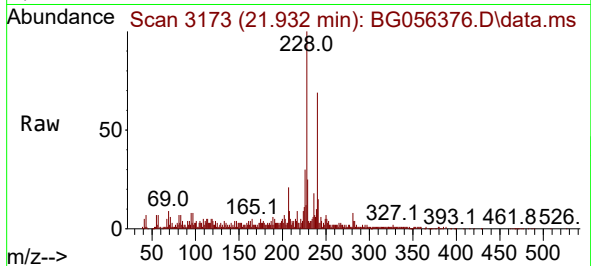




#81
Benzo(a)anthracene
Concen: 4.253 ng
RT: 21.932 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

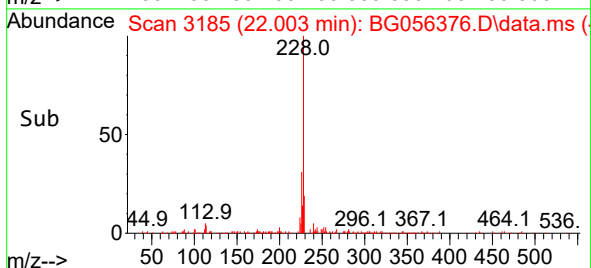
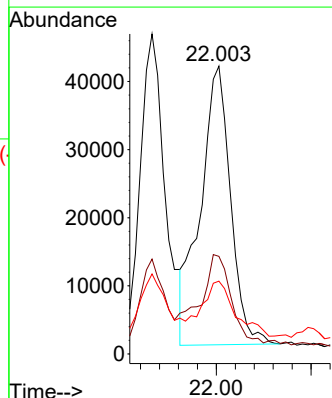
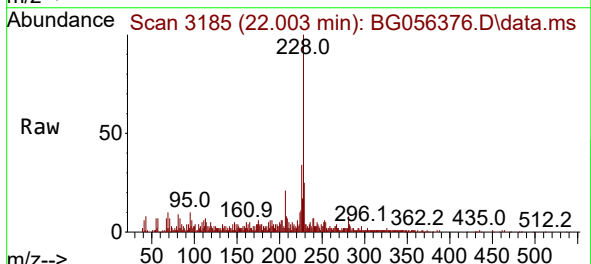
Instrument :
BNA_G
ClientSampleId :
TR-05-011923

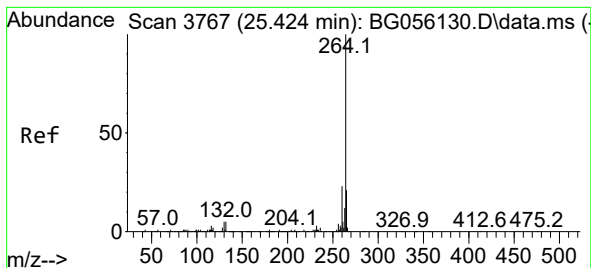
Tgt Ion:228 Resp: 84645
Ion Ratio Lower Upper
228 100
226 29.6 22.6 34.0
229 25.0 16.9 25.3



#83
Chrysene
Concen: 4.866 ng
RT: 22.003 min Scan# 3185
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion:228 Resp: 90718
Ion Ratio Lower Upper
228 100
226 33.9 24.6 36.8
229 25.3 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.399 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

Instrument :

BNA_G

ClientSampleId :

TR-05-011923

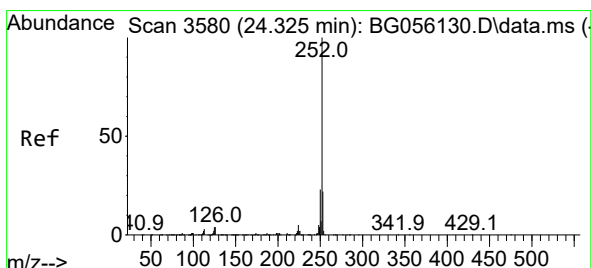
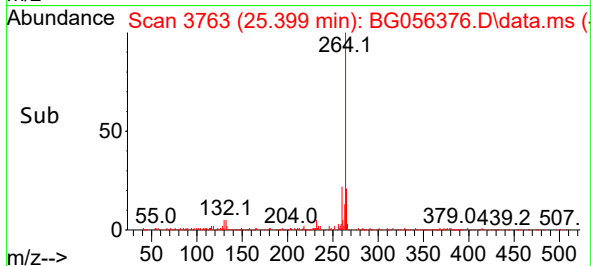
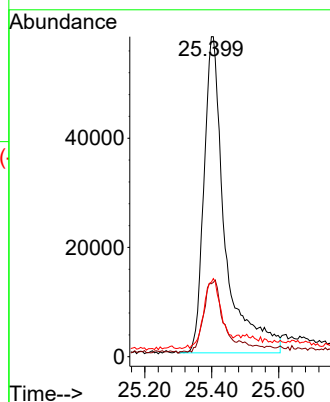
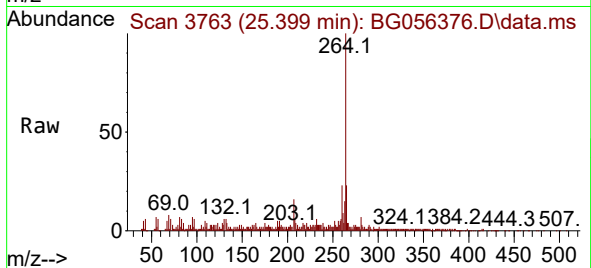
Tgt Ion:264 Resp: 253790

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 23.3 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 5.961 ng

RT: 24.300 min Scan# 3576

Delta R.T. 0.007 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

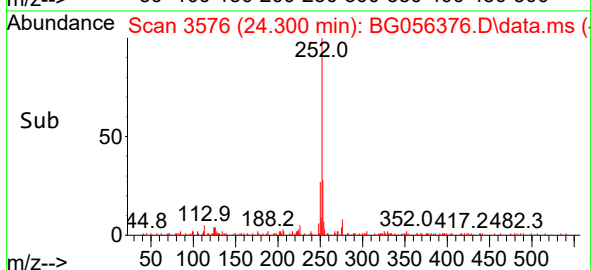
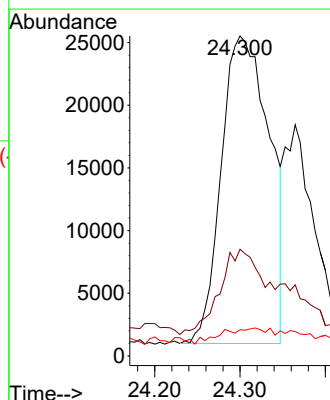
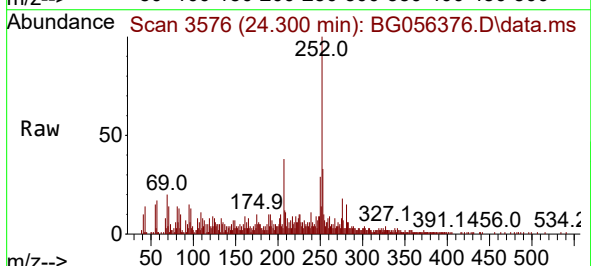
Tgt Ion:252 Resp: 96127

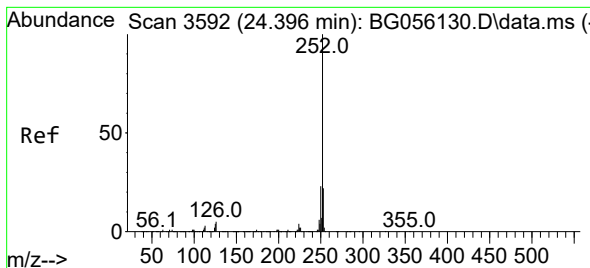
Ion Ratio Lower Upper

252 100

253 33.3 17.4 26.2#

125 8.2 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 5.987 ng

RT: 24.300 min Scan# 31

Delta R.T. -0.069 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

Instrument :

BNA_G

ClientSampleId :

TR-05-011923

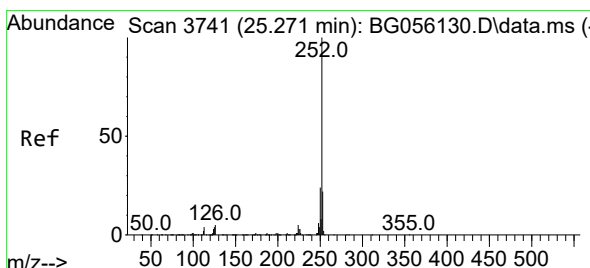
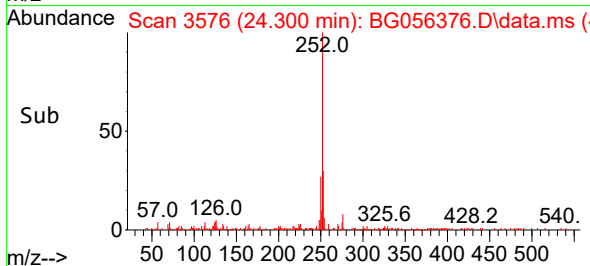
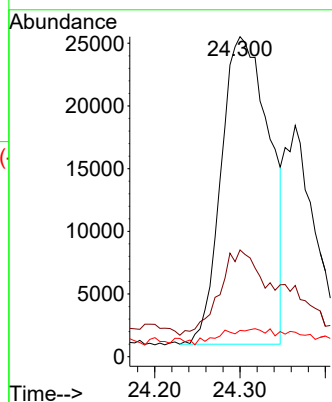
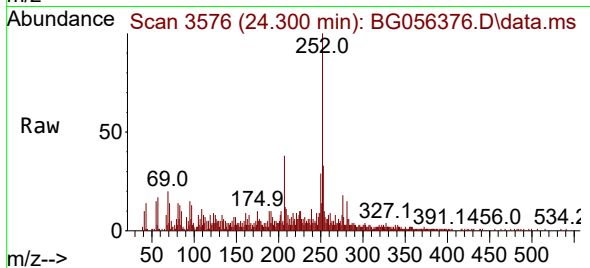
Tgt Ion:252 Resp: 96127

Ion Ratio Lower Upper

252 100

253 33.3 17.5 26.3#

125 8.2 3.4 5.0#



#90

Benzo(a)pyrene

Concen: 4.942 ng

RT: 25.234 min Scan# 3735

Delta R.T. 0.007 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

Tgt Ion:252 Resp: 77722

Ion Ratio Lower Upper

252 100

253 28.6 17.4 26.2#

125 9.5 3.2 4.8#

