

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058389.D
 Acq On : 21 Jul 2023 15:57
 Operator : CG/JU
 Sample : 03504-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 21 22:17:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

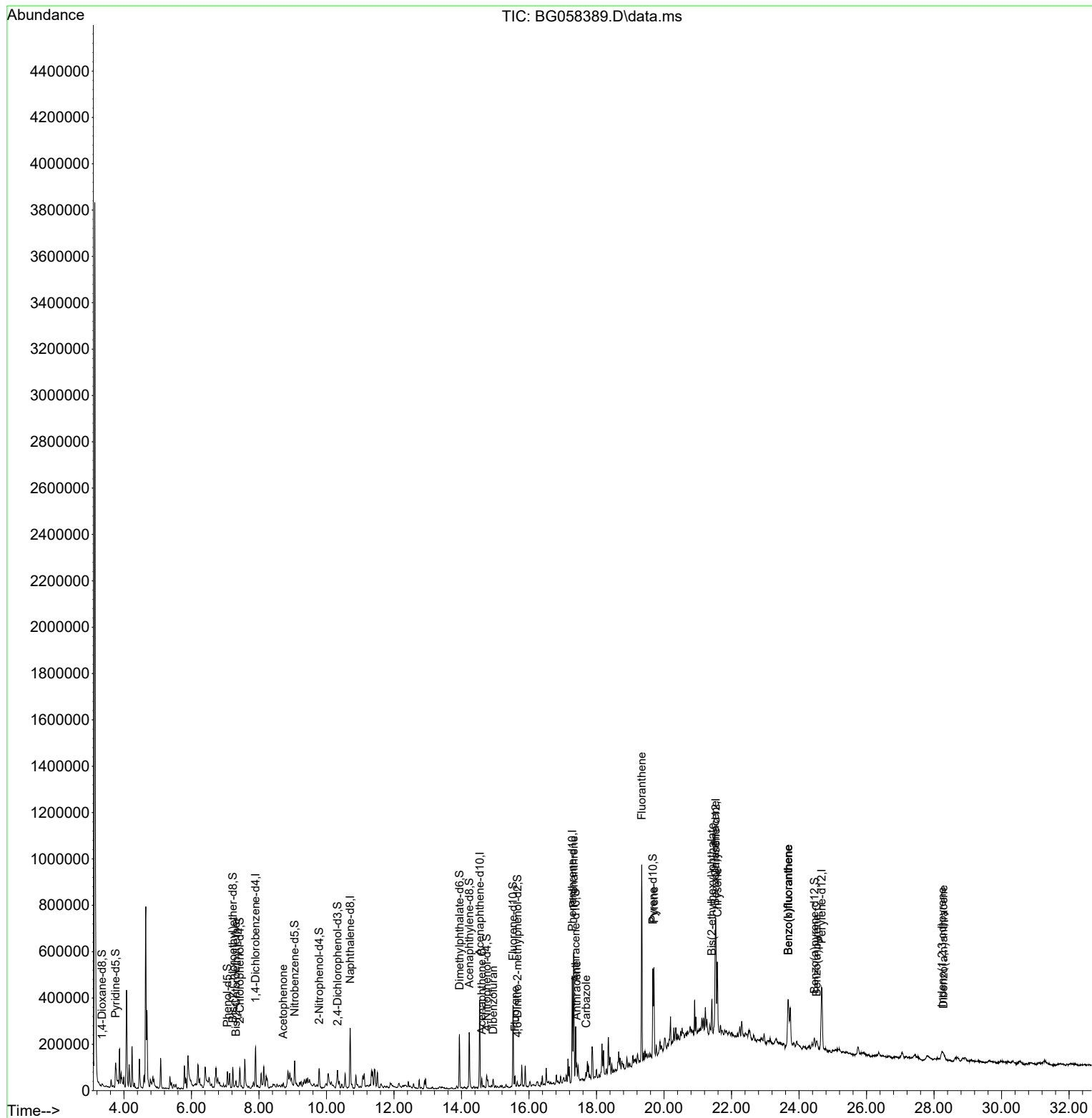
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.900	152	50425	20.000	ng/ul	0.00
20) Naphthalene-d8	10.702	136	210857	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.539	164	136514	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.283	188	284623	20.000	ng/ul	0.00
79) Chrysene-d12	21.537	240	228225	20.000	ng/ul	0.00
88) Perylene-d12	24.674	264	280063	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	3563	2.601	ng/uL	0.00
4) Pyridine-d5	3.752	84	51234	12.599	ng/ul	0.00
7) Phenol-d5	7.065	99	44620	9.328	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	45451	15.202	ng/ul	0.00
11) 2-Chlorophenol-d4	7.430	132	38370	11.459	ng/ul	0.00
15) 4-Methylphenol-d8	8.611	113	2562	0.702	ng/ul	0.00
21) Nitrobenzene-d5	9.057	128	25082	15.870	ng/ul	0.00
24) 2-Nitrophenol-d4	9.780	143	26091	15.121	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.326	165	25600	7.740	ng/ul	0.00
31) 4-Chloroaniline-d4	10.843	131	382	0.080	ng/ul	0.00
46) Dimethylphthalate-d6	13.940	166	158800	15.085	ng/ul	0.00
49) Acenaphthylene-d8	14.228	160	169251	15.342	ng/ul	0.00
54) 4-Nitrophenol-d4	14.745	143	17218	10.830	ng/ul	0.00
60) Fluorene-d10	15.526	176	145198	16.660	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	5179	3.571	ng/ul	0.00
73) Anthracene-d10	17.383	188	141699	11.522	ng/ul	0.00
81) Pyrene-d10	19.668	212	147175	10.918	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.457	264	54099	3.997	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.318	93	12180	3.201	ng/ul	96
16) Acetophenone	8.716	105	9320	1.500	ng/ul	87
52) Acenaphthene	14.598	153	16689	2.019	ng/ul	95
56) Dibenzofuran	14.938	168	16806	1.428	ng/ul	92
61) Fluorene	15.585	166	19346	2.004	ng/ul#	95
72) Phenanthrene	17.324	178	354372	26.199	ng/ul	99
74) Anthracene	17.412	178	47402	3.491	ng/ul	97
77) Carbazole	17.688	167	16700	1.419	ng/ul	94
80) Fluoranthene	19.339	202	535737	34.693	ng/ul	99
82) Pyrene	19.703	202	250667	16.020	ng/ul	99
85) Benzo(a)anthracene	21.513	228	214705	13.996	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.413	149	23359	2.665	ng/ul#	86
87) Chrysene	21.584	228	217028	14.915	ng/ul	98
90) Benzo(b)fluoranthene	23.681	252	248442	15.332	ng/ul#	97
91) Benzo(k)fluoranthene	23.681	252	248442	15.373	ng/ul#	98
93) Benzo(a)pyrene	24.521	252	35118	2.437	ng/ul#	80
94) Indeno(1,2,3-cd)pyrene	28.241	276	56619	2.982	ng/ul	97
95) Dibenzo(a,h)anthracene	28.276	278	15688	1.007	ng/ul#	93

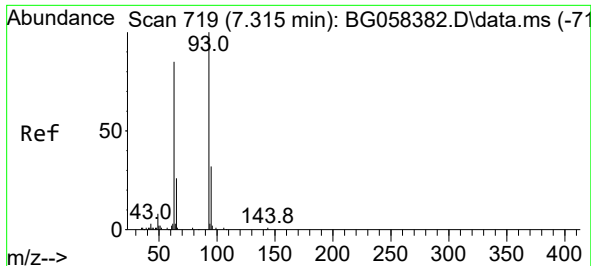
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

Bis(2-Chloroethyl)ether

Concen: 3.201 ng/ul

RT: 7.318 min Scan# 719

Delta R.T. 0.001 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

Instrument :

BNA_G

ClientSampleId :

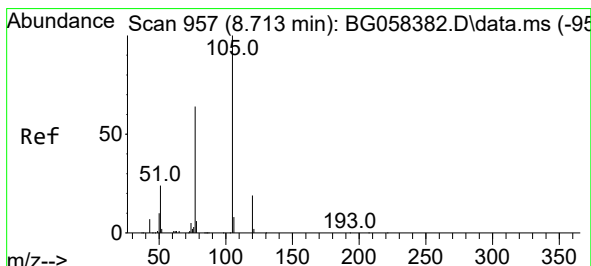
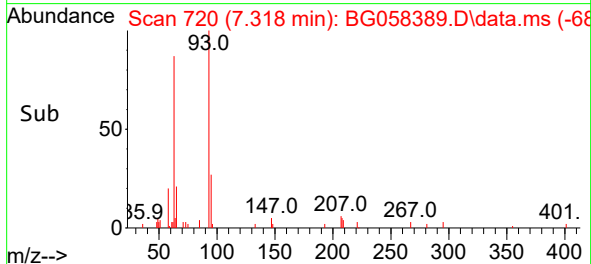
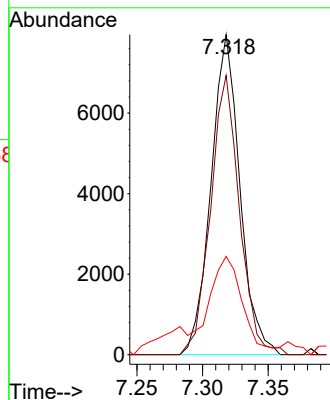
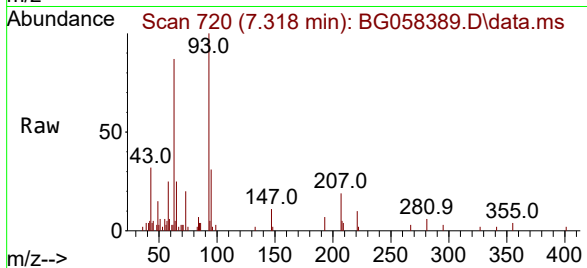
Tgt Ion: 93 Resp: 12180

Ion Ratio Lower Upper

93 100

63 87.3 67.7 101.5

95 30.7 27.0 40.6



#16

Acetophenone

Concen: 1.500 ng/ul

RT: 8.716 min Scan# 958

Delta R.T. -0.005 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

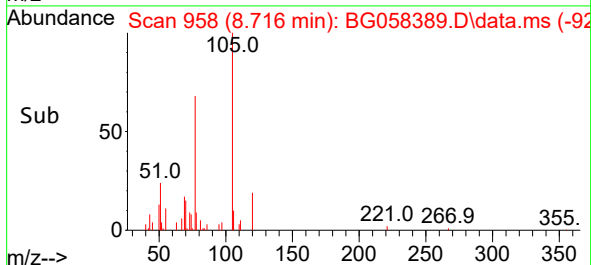
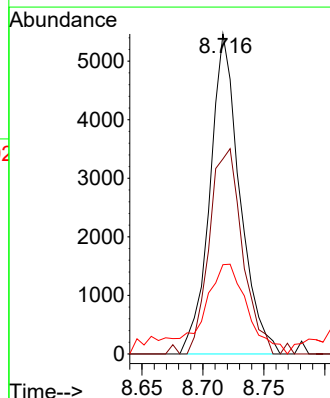
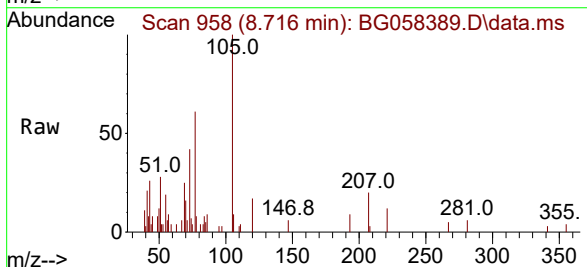
Tgt Ion:105 Resp: 9320

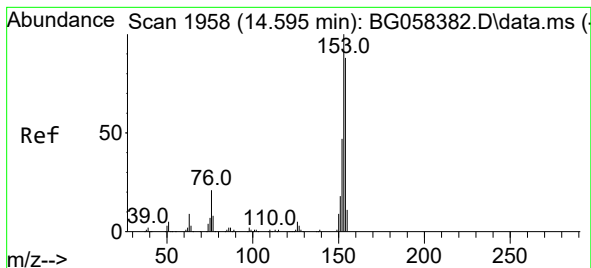
Ion Ratio Lower Upper

105 100

77 61.0 60.7 91.1

51 27.9 23.5 35.3





#52

Acenaphthene

Concen: 2.019 ng/ul

RT: 14.598 min Scan# 1958

Delta R.T. -0.005 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

Instrument :

BNA_G

ClientSampleId :

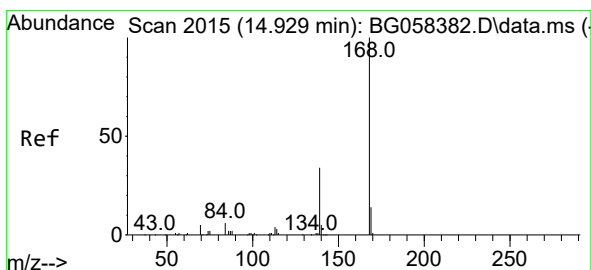
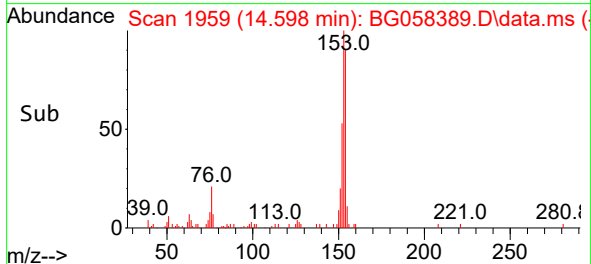
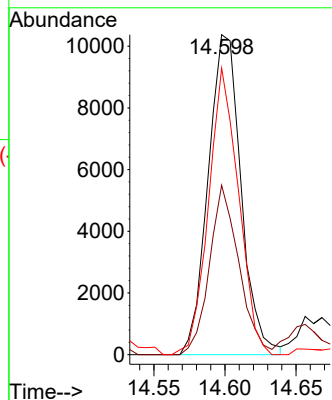
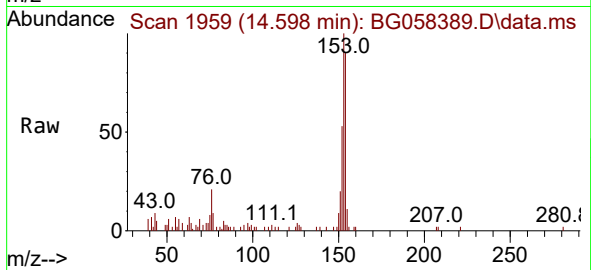
Tgt Ion:153 Resp: 16689

Ion Ratio Lower Upper

153 100

152 53.0 39.1 58.7

154 89.6 68.7 103.1



#56

Dibenzofuran

Concen: 1.428 ng/ul

RT: 14.938 min Scan# 2017

Delta R.T. 0.001 min

Lab File: BG058389.D

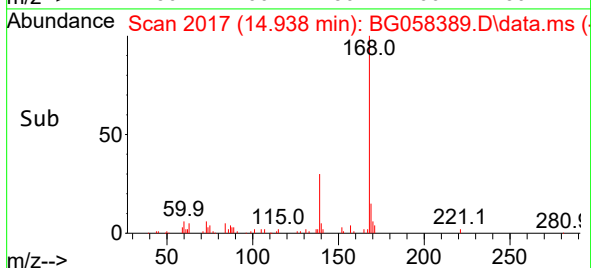
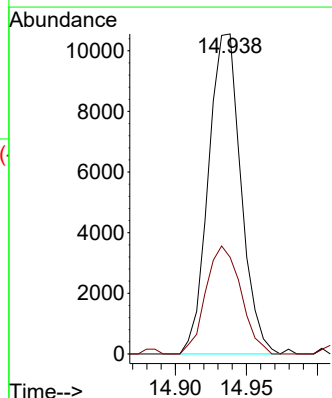
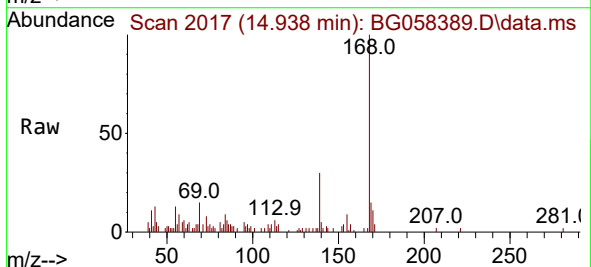
Acq: 21 Jul 2023 15:57

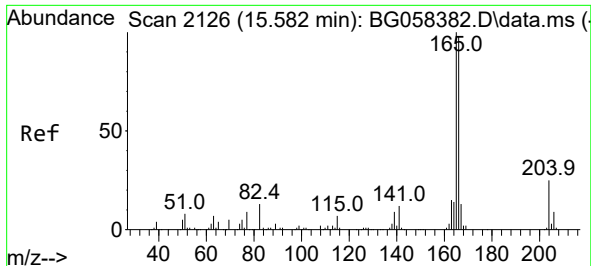
Tgt Ion:168 Resp: 16806

Ion Ratio Lower Upper

168 100

139 30.2 27.8 41.8

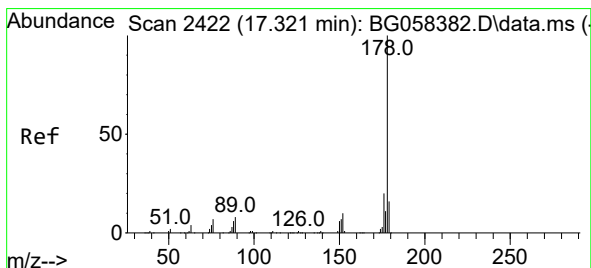
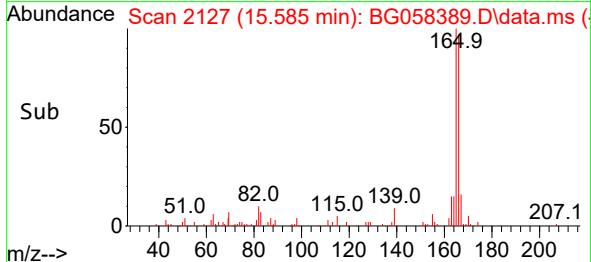
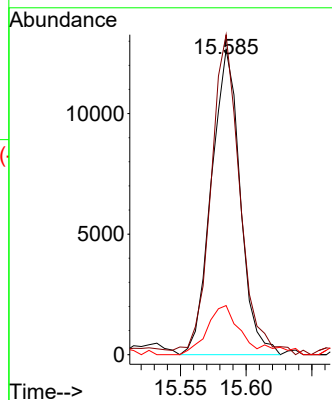
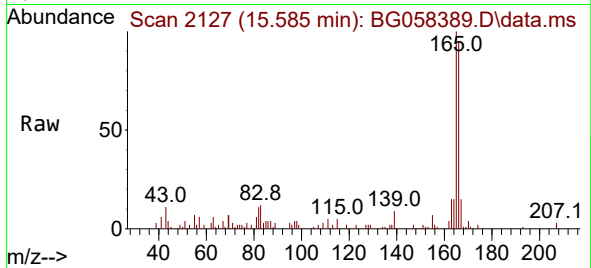




#61
Fluorene
Concen: 2.004 ng/ul
RT: 15.585 min Scan# 2126
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

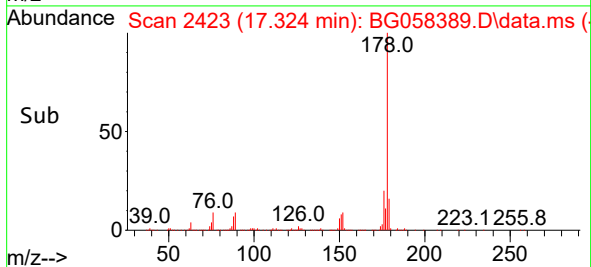
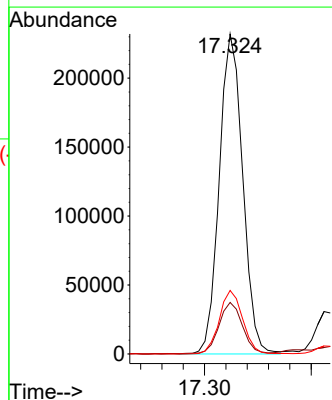
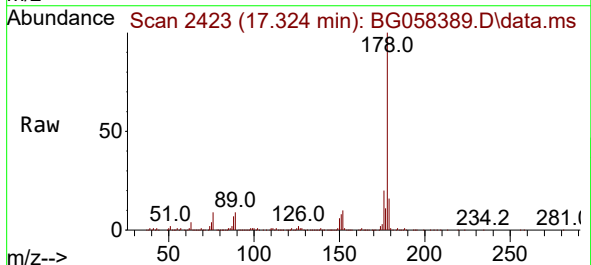
Instrument :
BNA_G
ClientSampleId :

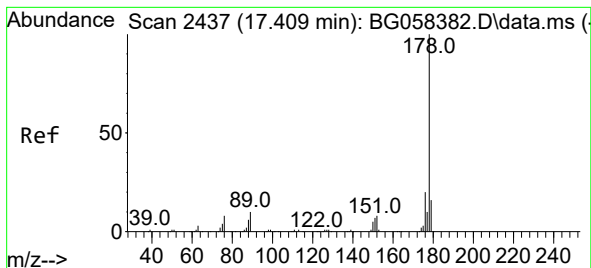
Tgt Ion:166 Resp: 19346
Ion Ratio Lower Upper
166 100
165 104.8 80.2 120.2
167 16.1 10.5 15.7#



#72
Phenanthrene
Concen: 26.199 ng/ul
RT: 17.324 min Scan# 2423
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

Tgt Ion:178 Resp: 354372
Ion Ratio Lower Upper
178 100
179 16.1 11.9 17.9
176 19.9 15.8 23.8





#74

Anthracene

Concen: 3.491 ng/ul

RT: 17.412 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BG058389.D

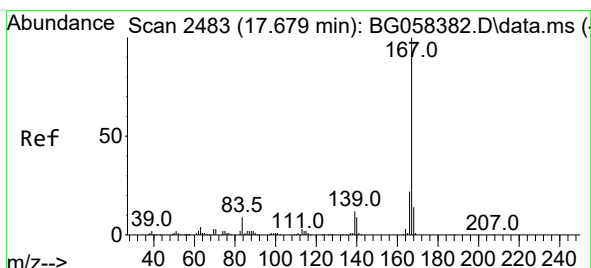
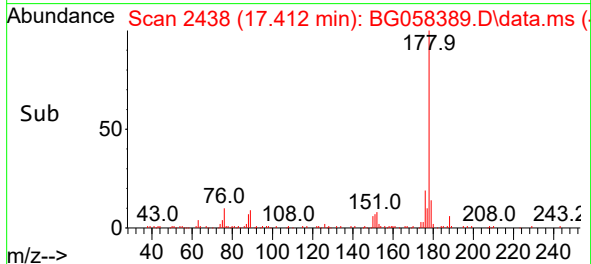
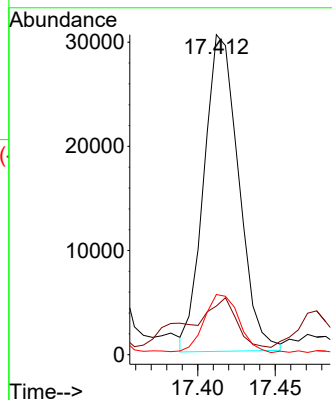
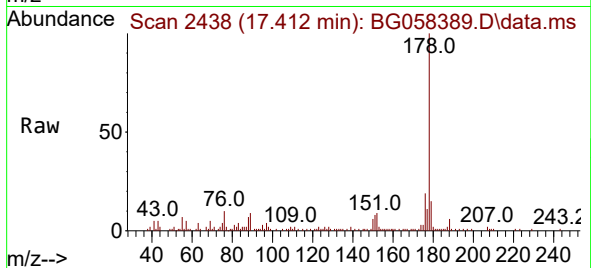
Acq: 21 Jul 2023 15:57

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:178	Resp:	47402
Ion Ratio	Lower	Upper
178	100	
179	15.2	13.4 20.2
176	18.8	16.2 24.2



#77

Carbazole

Concen: 1.419 ng/ul

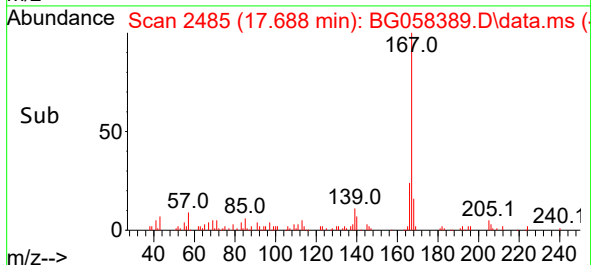
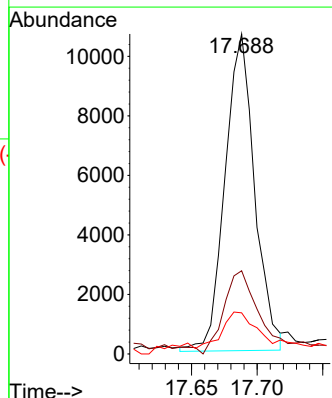
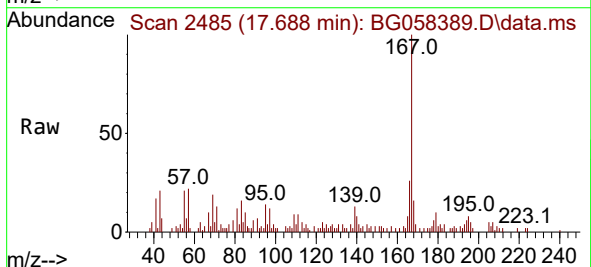
RT: 17.688 min Scan# 2485

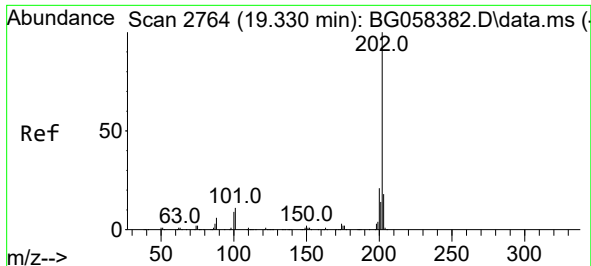
Delta R.T. 0.007 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

Tgt Ion:167	Resp:	16700
Ion Ratio	Lower	Upper
167	100	
166	26.0	17.8 26.8
139	12.9	9.4 14.0

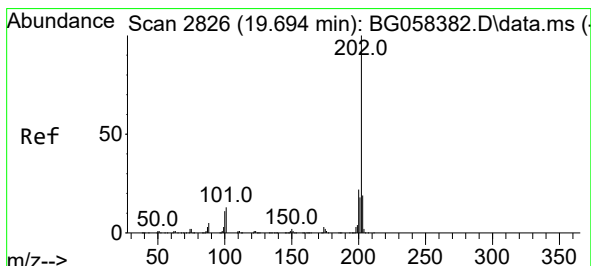
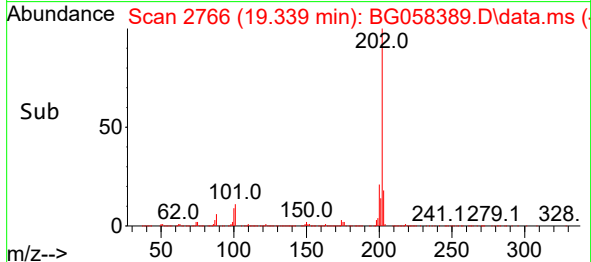
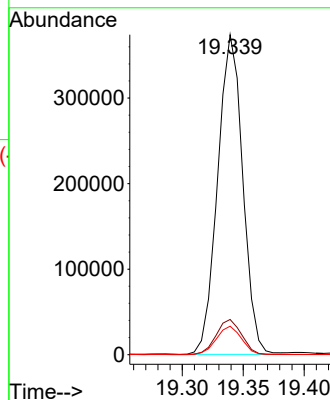
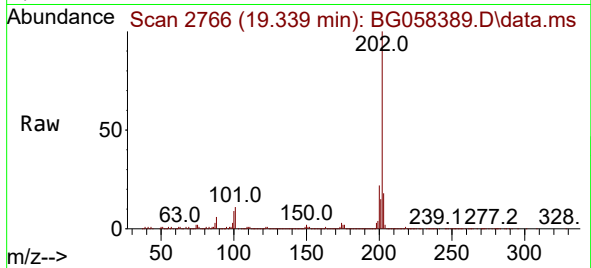




#80
Fluoranthene
Concen: 34.693 ng/ul
RT: 19.339 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

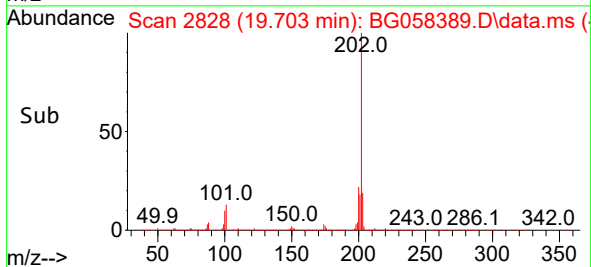
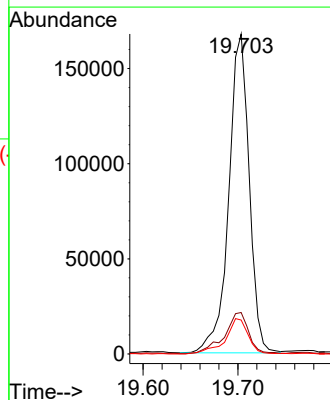
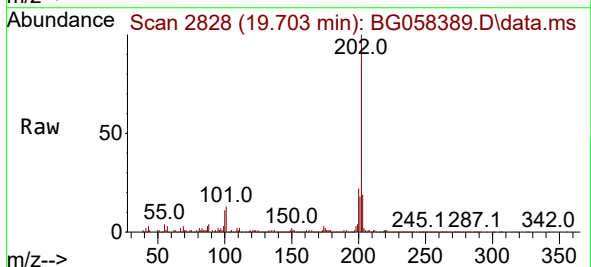
Instrument :
BNA_G
ClientSampleId :

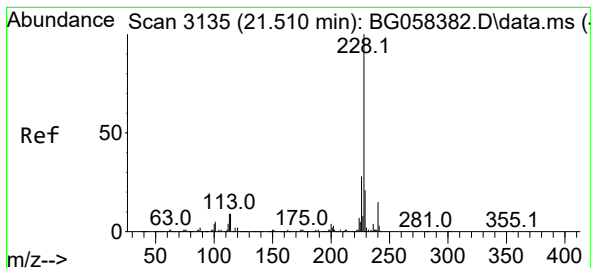
Tgt Ion:202 Resp: 535737
Ion Ratio Lower Upper
202 100
101 11.0 8.6 12.8
100 8.9 7.2 10.8



#82
Pyrene
Concen: 16.020 ng/ul
RT: 19.703 min Scan# 2828
Delta R.T. 0.007 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

Tgt Ion:202 Resp: 250667
Ion Ratio Lower Upper
202 100
101 13.0 10.2 15.2
100 10.6 8.9 13.3





#85

Benzo(a)anthracene

Concen: 13.996 ng/ul

RT: 21.513 min Scan# 3135

Delta R.T. 0.001 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

Instrument :

BNA_G

ClientSampleId :

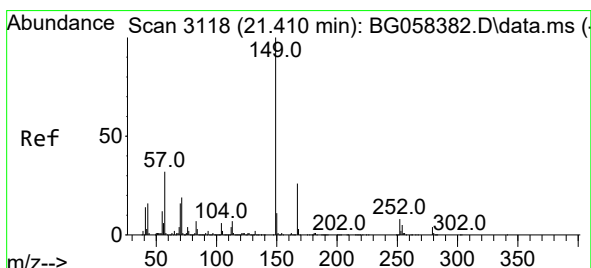
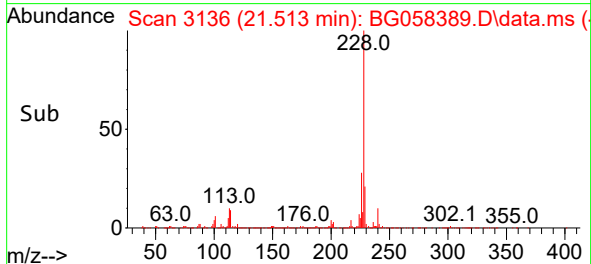
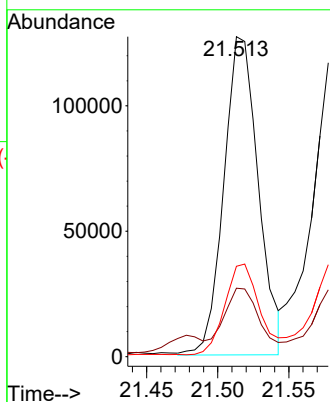
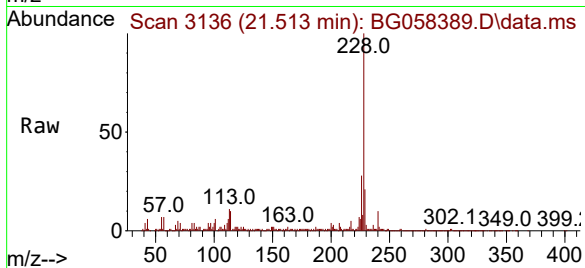
Tgt Ion:228 Resp: 214705

Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

226 28.3 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.665 ng/ul

RT: 21.413 min Scan# 3119

Delta R.T. 0.001 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

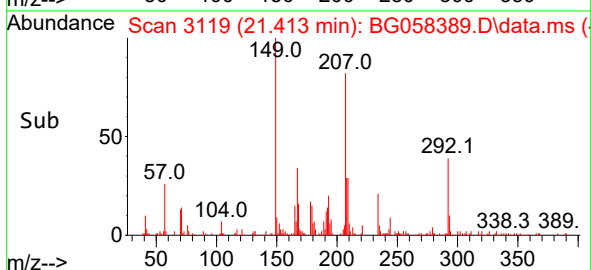
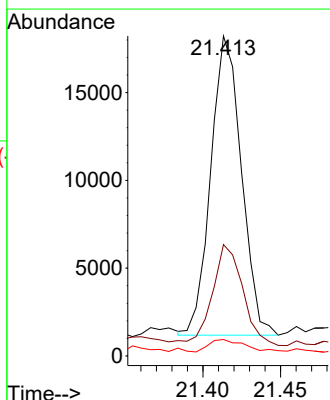
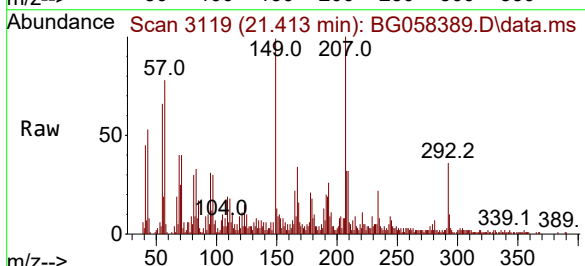
Tgt Ion:149 Resp: 23359

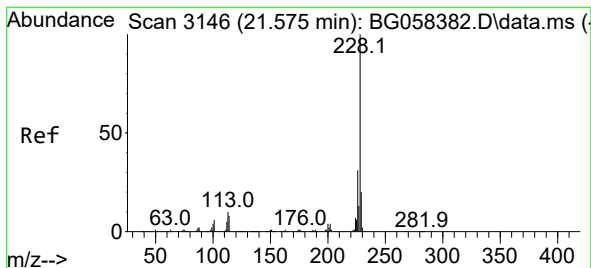
Ion Ratio Lower Upper

149 100

167 34.8 21.6 32.4#

279 5.1 3.0 4.4#





#87

Chrysene

Concen: 14.915 ng/ul

RT: 21.584 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

Instrument :

BNA_G

ClientSampleId :

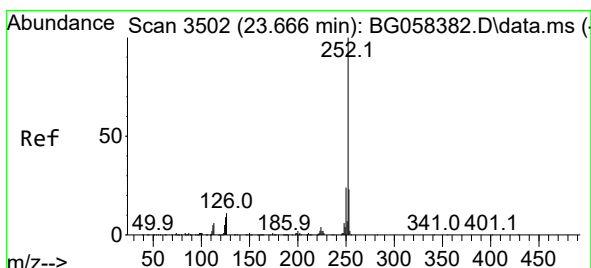
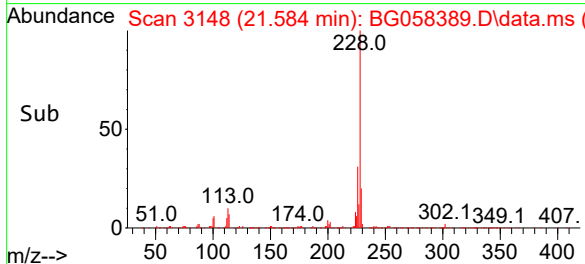
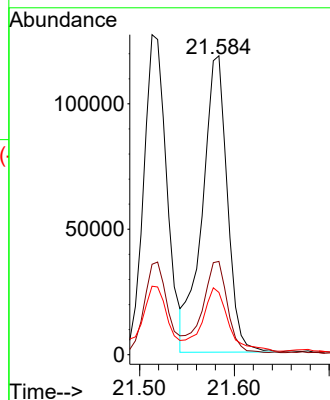
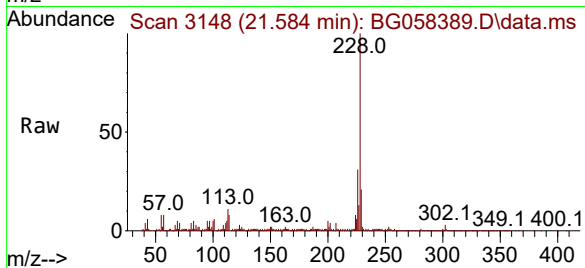
Tgt Ion:228 Resp: 217028

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

229 20.8 15.8 23.8



#90

Benzo(b)fluoranthene

Concen: 15.332 ng/ul

RT: 23.681 min Scan# 3505

Delta R.T. 0.013 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

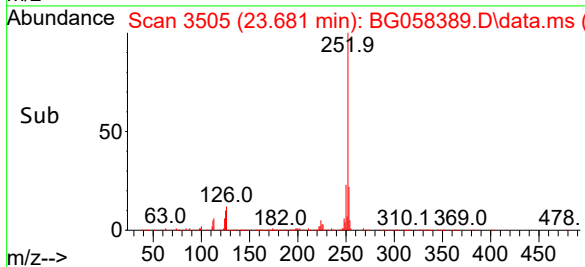
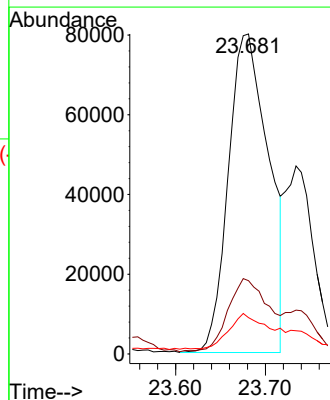
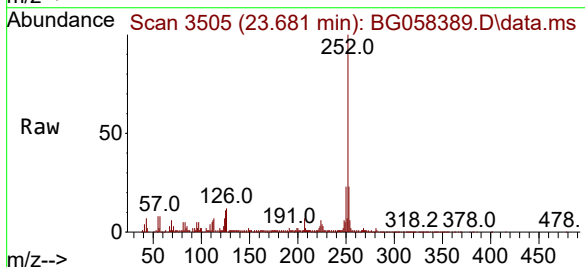
Tgt Ion:252 Resp: 248442

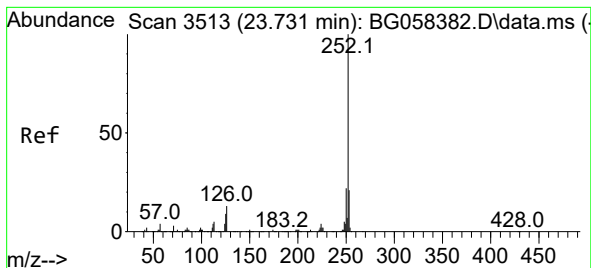
Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 11.4 6.7 10.1#





#91

Benzo(k)fluoranthene

Concen: 15.373 ng/ul

RT: 23.681 min Scan# 3

Delta R.T. -0.052 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

Instrument :

BNA_G

ClientSampleId :

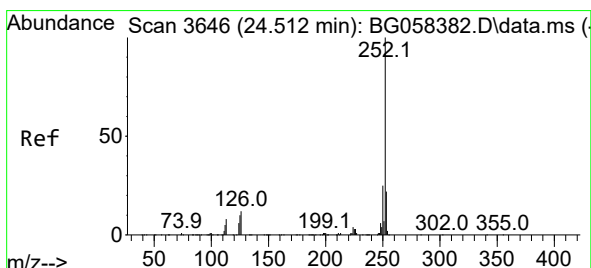
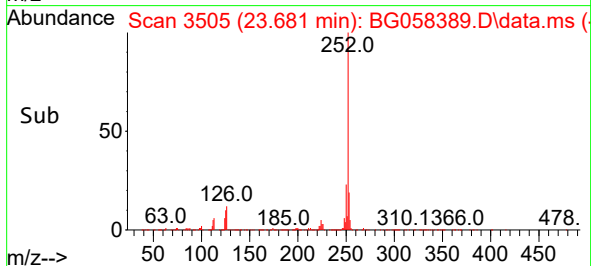
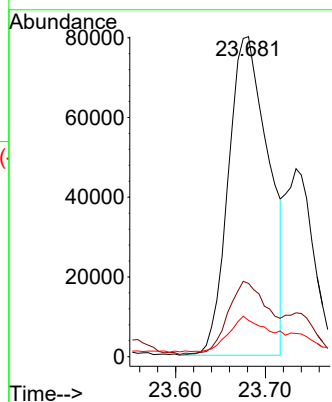
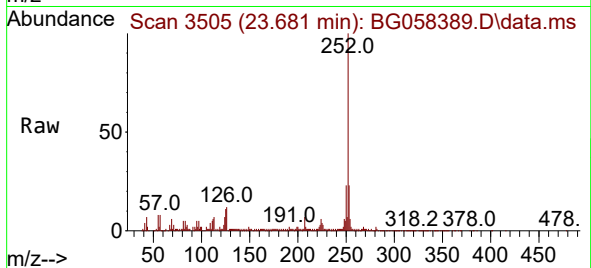
Tgt Ion:252 Resp: 248442

Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

125 11.4 7.4 11.0#



#93

Benzo(a)pyrene

Concen: 2.437 ng/ul

RT: 24.521 min Scan# 3648

Delta R.T. 0.001 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

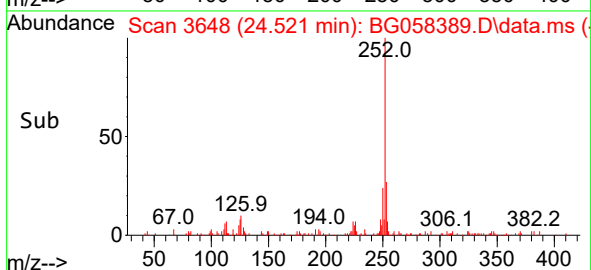
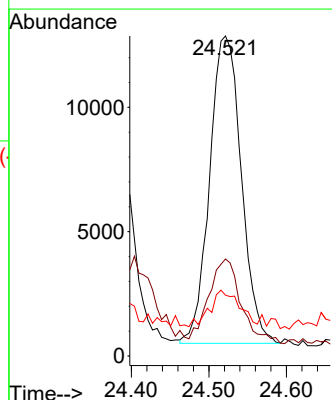
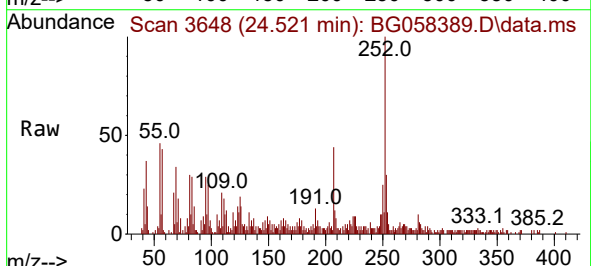
Tgt Ion:252 Resp: 35118

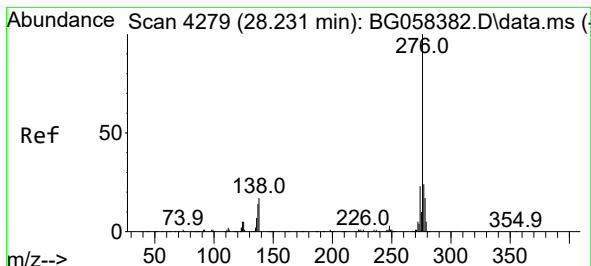
Ion Ratio Lower Upper

252 100

253 30.3 17.4 26.0#

125 19.0 7.7 11.5#





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.982 ng/ul

RT: 28.241 min Scan# 4281

Delta R.T. 0.013 min

Lab File: BG058389.D

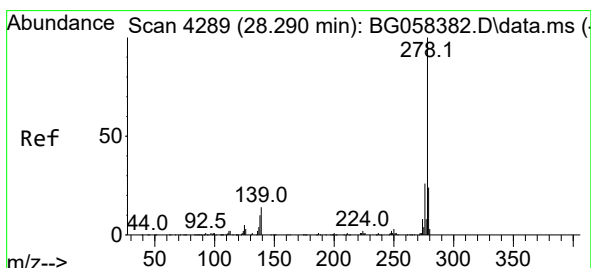
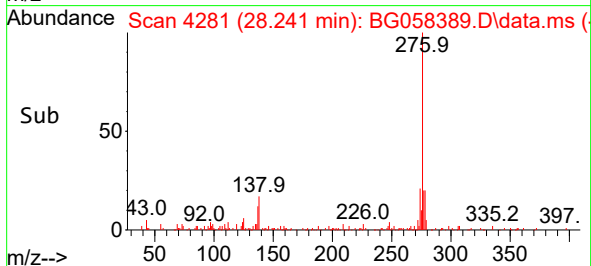
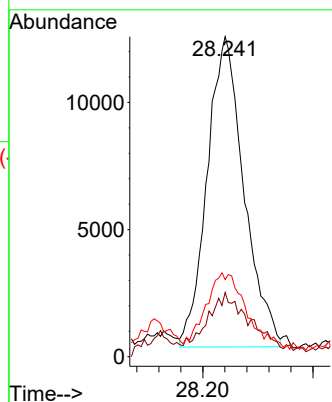
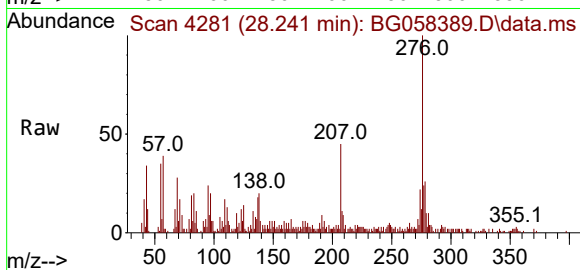
Acq: 21 Jul 2023 15:57

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	276	Resp:	56619
Ion Ratio	Lower	Upper	
276	100		
138	20.1	13.8	20.6
277	24.1	19.2	28.8



#95

Dibenzo(a,h)anthracene

Concen: 1.007 ng/ul

RT: 28.276 min Scan# 4287

Delta R.T. -0.017 min

Lab File: BG058389.D

Acq: 21 Jul 2023 15:57

Tgt Ion:	278	Resp:	15688
Ion Ratio	Lower	Upper	
278	100		
139	17.2	10.4	15.6#
279	25.1	18.4	27.6

