

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057259.D
 Acq On : 1 May 2023 21:13
 Operator : CG/JU
 Sample : 02417-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y4

Quant Time: May 01 22:31:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

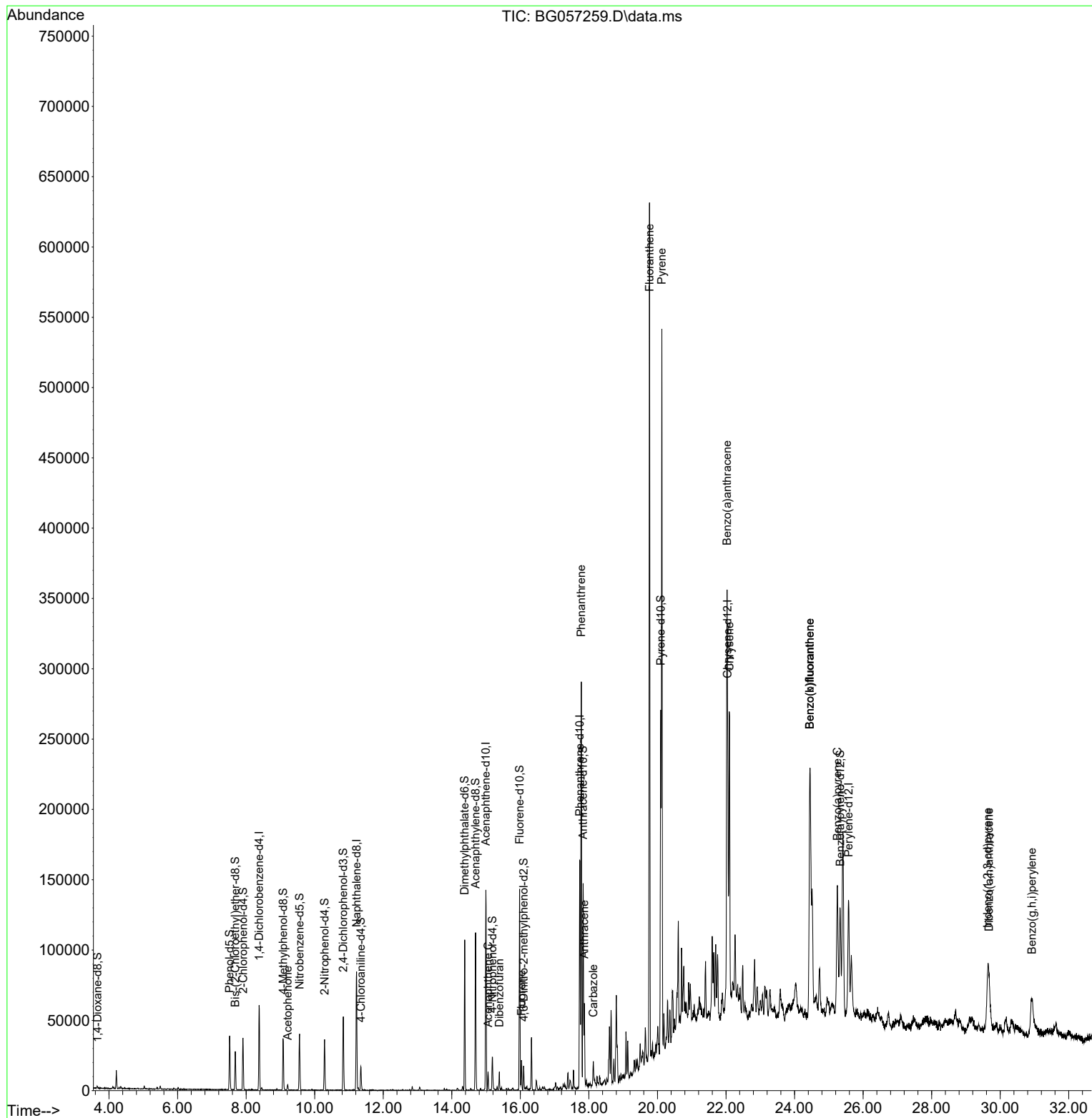
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.379	152	16910	20.000	ng/ul	0.00
20) Naphthalene-d8	11.222	136	71236	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.994	164	52044	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.731	188	109477	20.000	ng/ul	0.00
79) Chrysene-d12	22.049	240	91878	20.000	ng/ul	# 0.00
88) Perylene-d12	25.579	264	97868	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.662	96	690	1.796	ng/uL	0.00
4) Pyridine-d5	4.144	84	538	0.444	ng/ul	0.04
7) Phenol-d5	7.516	99	23238	14.531	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.686	67	13688	14.552	ng/ul	0.00
11) 2-Chlorophenol-d4	7.909	132	16731	15.876	ng/ul	0.00
15) 4-Methylphenol-d8	9.078	113	13910	11.444	ng/ul	0.00
21) Nitrobenzene-d5	9.560	128	9170	16.164	ng/ul	0.00
24) 2-Nitrophenol-d4	10.288	143	10982	16.588	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.835	165	21171	16.575	ng/ul	0.00
31) 4-Chloroaniline-d4	11.346	131	10443	6.169	ng/ul	0.00
46) Dimethylphthalate-d6	14.377	166	67115	16.275	ng/ul	0.00
49) Acenaphthylene-d8	14.694	160	79285	17.106	ng/ul	0.00
54) 4-Nitrophenol-d4	15.188	143	6732	11.215	ng/ul	0.00
60) Fluorene-d10	15.981	176	61325	15.963	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.098	200	4853	7.482	ng/ul	0.00
73) Anthracene-d10	17.831	188	90211	18.053	ng/ul	0.00
81) Pyrene-d10	20.099	212	100253	18.383	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.333	264	90278	18.106	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	9.213	105	2584	1.235	ng/ul#	92
52) Acenaphthene	15.058	153	6011	1.791	ng/ul	96
56) Dibenzofuran	15.387	168	6755	1.394	ng/ul	92
61) Fluorene	16.033	166	10313	2.517	ng/ul	100
72) Phenanthrene	17.778	178	190252	33.371	ng/ul	98
74) Anthracene	17.866	178	39541	6.905	ng/ul	99
77) Carbazole	18.131	167	10491	2.192	ng/ul	94
80) Fluoranthene	19.770	202	399946	61.737	ng/ul#	96
82) Pyrene	20.128	202	330057	50.328	ng/ul#	97
85) Benzo(a)anthracene	22.031	228	185670	28.573	ng/ul	99
87) Chrysene	22.102	228	175515	28.629	ng/ul	95
90) Benzo(b)fluoranthene	24.446	252	234526	34.605	ng/ul#	98
91) Benzo(k)fluoranthene	24.446	252	234526	35.569	ng/ul	98
93) Benzo(a)pyrene	25.250	252	100459	17.170	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.633	276	39638	5.420	ng/ul	99
95) Dibenzo(a,h)anthracene	29.674	278	12795	2.110	ng/ul#	90
96) Benzo(g,h,i)perylene	30.925	276	72196	12.197	ng/ul	98

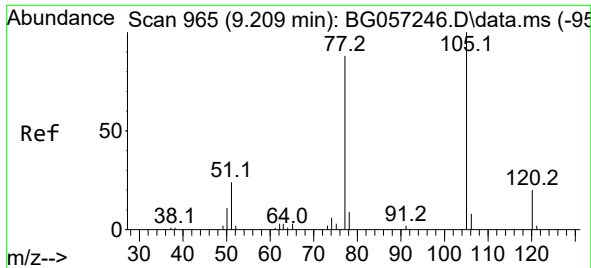
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Acetophenone

Concen: 1.235 ng/ul

RT: 9.213 min Scan# 9

Delta R.T. 0.004 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

Instrument :

BNA_G

ClientSampleId :

EW8Y4

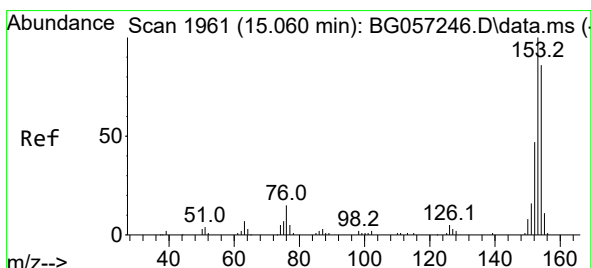
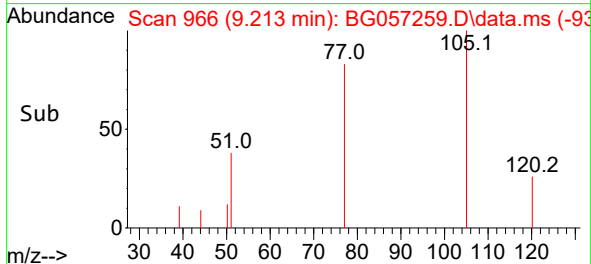
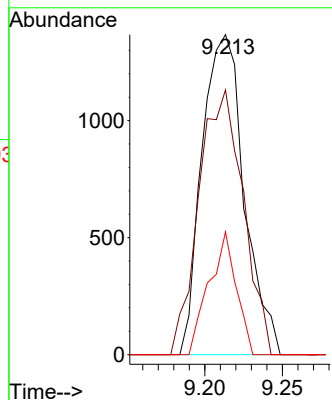
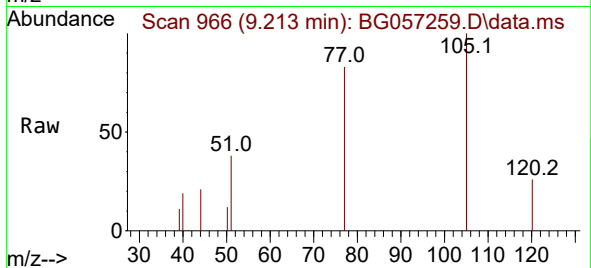
Tgt Ion:105 Resp: 2584

Ion Ratio Lower Upper

105 100

77 82.7 70.6 105.8

51 38.4 24.5 36.7#



#52

Acenaphthene

Concen: 1.791 ng/ul

RT: 15.058 min Scan# 1961

Delta R.T. -0.002 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

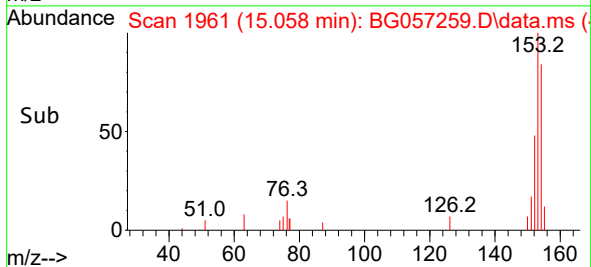
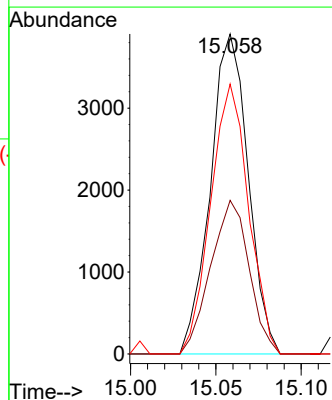
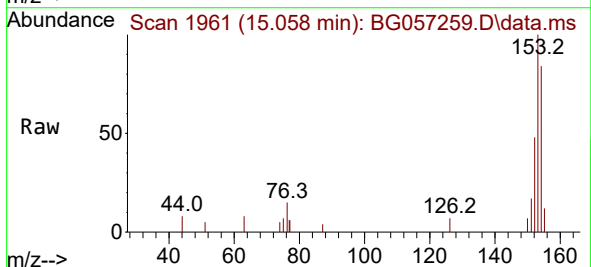
Tgt Ion:153 Resp: 6011

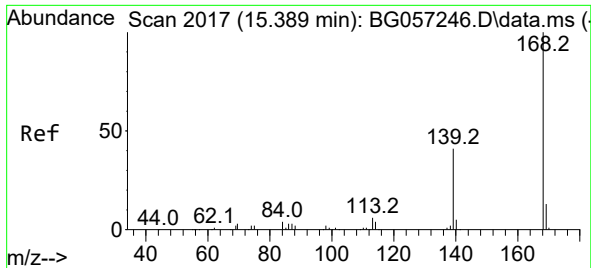
Ion Ratio Lower Upper

153 100

152 48.0 36.5 54.7

154 84.4 70.6 106.0

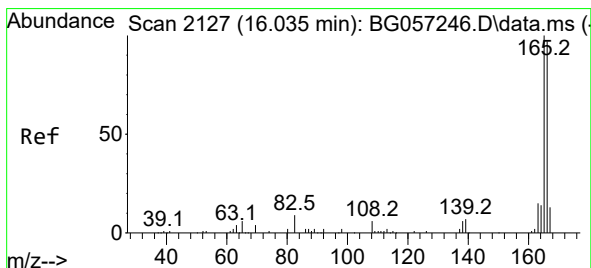
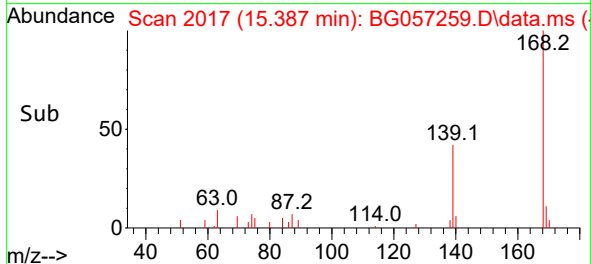
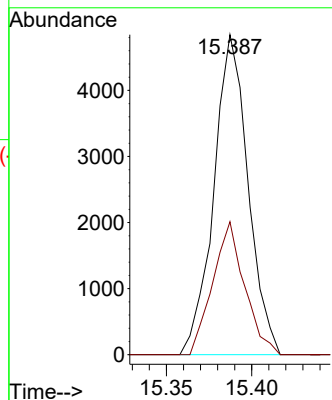
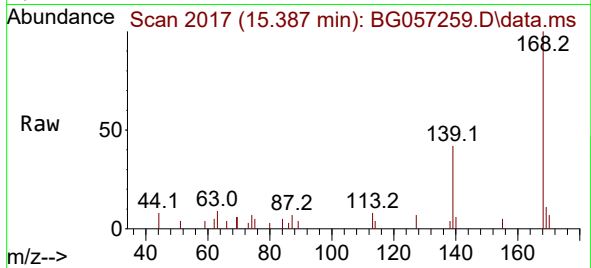




#56
Dibenzenofuran
Concen: 1.394 ng/ul
RT: 15.387 min Scan# 2017
Delta R.T. -0.002 min
Lab File: BG057259.D
Acq: 1 May 2023 21:13

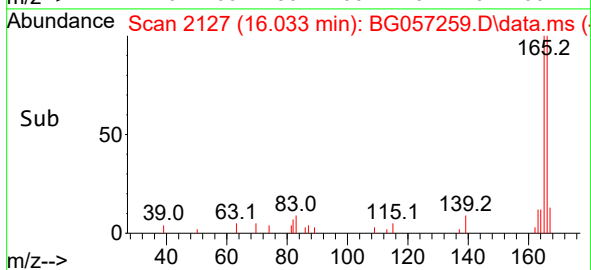
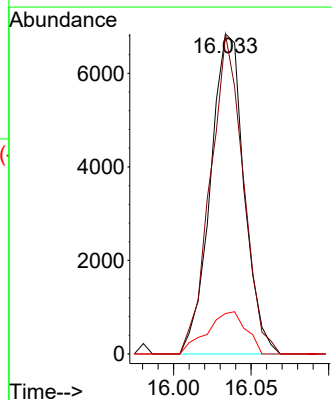
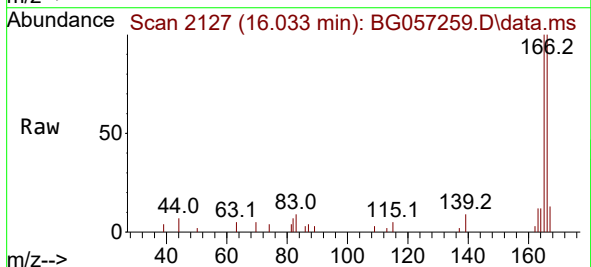
Instrument :
BNA_G
ClientSampleId :
EW8Y4

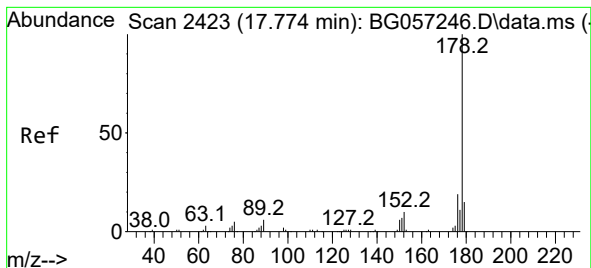
Tgt Ion:168 Resp: 6755
Ion Ratio Lower Upper
168 100
139 41.6 29.6 44.4



#61
Fluorene
Concen: 2.517 ng/ul
RT: 16.033 min Scan# 2127
Delta R.T. -0.002 min
Lab File: BG057259.D
Acq: 1 May 2023 21:13

Tgt Ion:166 Resp: 10313
Ion Ratio Lower Upper
166 100
165 99.9 80.1 120.1
167 12.7 10.2 15.4





#72

Phenanthrene

Concen: 33.371 ng/ul

RT: 17.778 min Scan# 2423

Delta R.T. 0.004 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

Instrument :

BNA_G

ClientSampleId :

EW8Y4

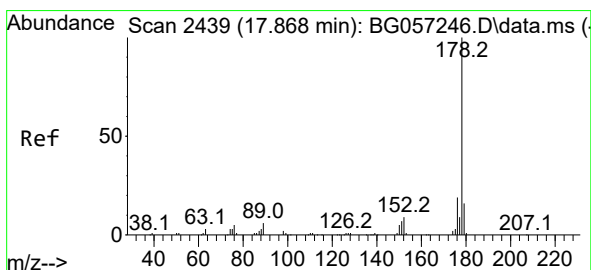
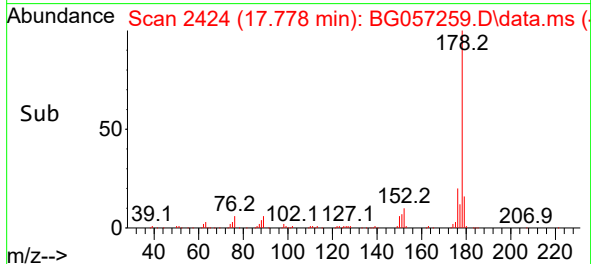
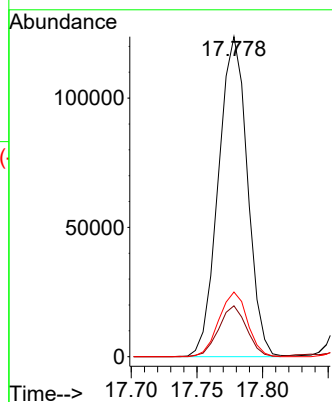
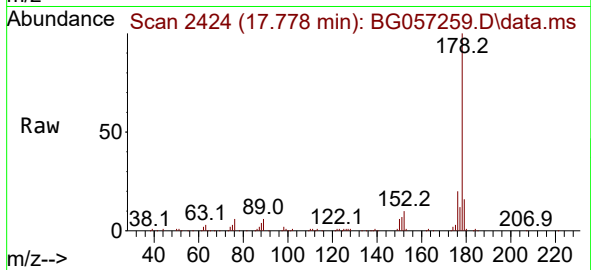
Tgt Ion:178 Resp: 190252

Ion Ratio Lower Upper

178 100

179 15.9 11.8 17.8

176 20.2 15.4 23.0



#74

Anthracene

Concen: 6.905 ng/ul

RT: 17.866 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

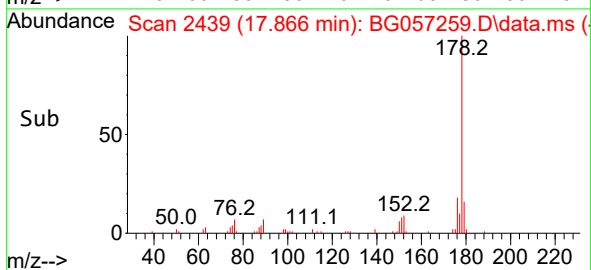
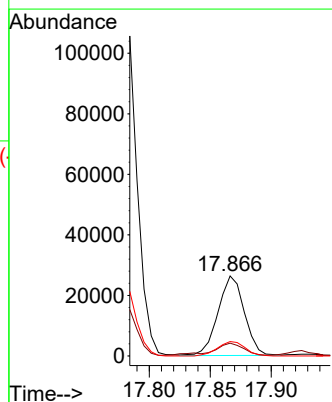
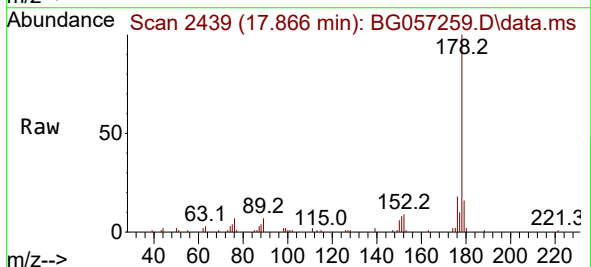
Tgt Ion:178 Resp: 39541

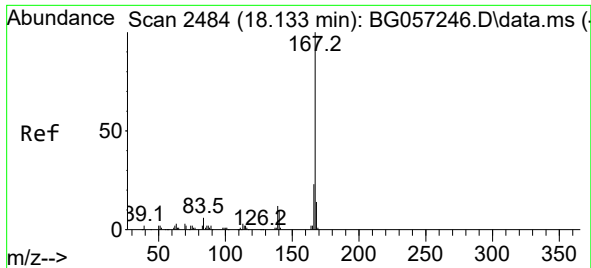
Ion Ratio Lower Upper

178 100

179 16.1 12.5 18.7

176 18.0 14.7 22.1

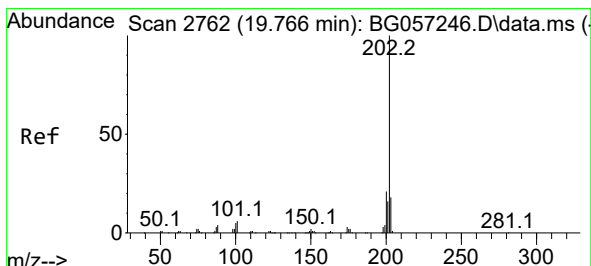
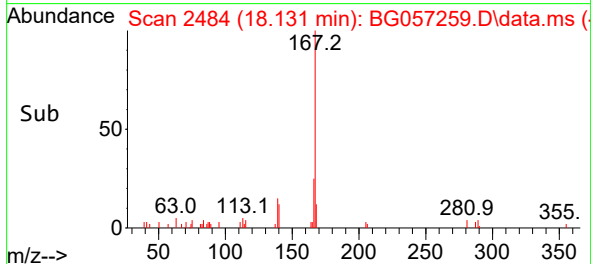
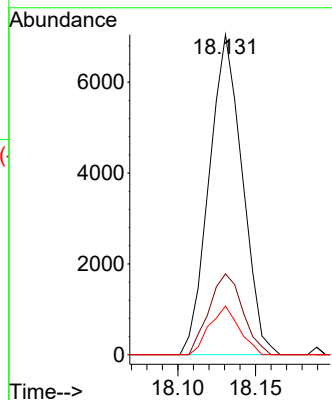
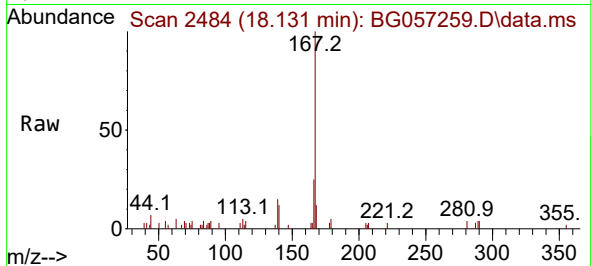




#77
 Carbazole
 Concen: 2.192 ng/ul
 RT: 18.131 min Scan# 2484
 Delta R.T. -0.002 min
 Lab File: BG057259.D
 Acq: 1 May 2023 21:13

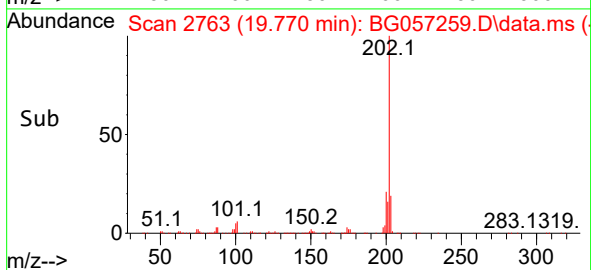
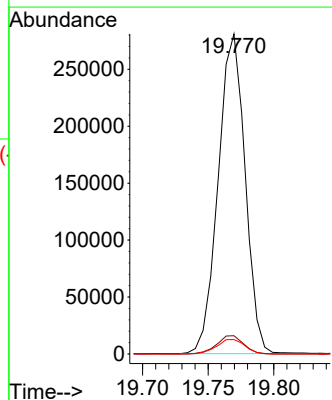
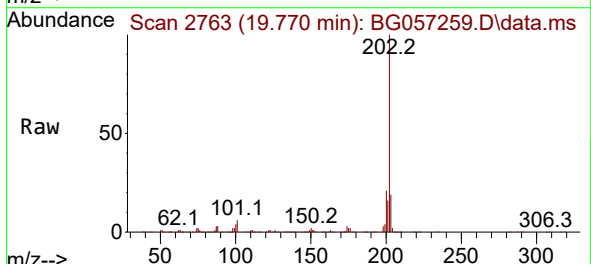
Instrument :
 BNA_G
 ClientSampleId :
 EW8Y4

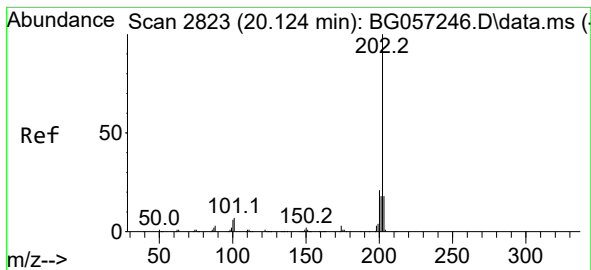
Tgt Ion:167	Resp:	10491
Ion Ratio	Lower	Upper
167	100	
166	25.3	18.0 27.0
139	15.2	10.3 15.5



#80
 Fluoranthene
 Concen: 61.737 ng/ul
 RT: 19.770 min Scan# 2763
 Delta R.T. 0.004 min
 Lab File: BG057259.D
 Acq: 1 May 2023 21:13

Tgt Ion:202	Resp:	399946
Ion Ratio	Lower	Upper
202	100	
101	5.7	5.8 8.6#
100	4.5	4.6 7.0#





#82

Pyrene

Concen: 50.328 ng/ul

RT: 20.128 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

Instrument :

BNA_G

ClientSampleId :

EW8Y4

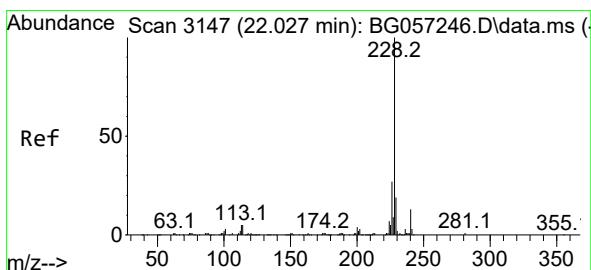
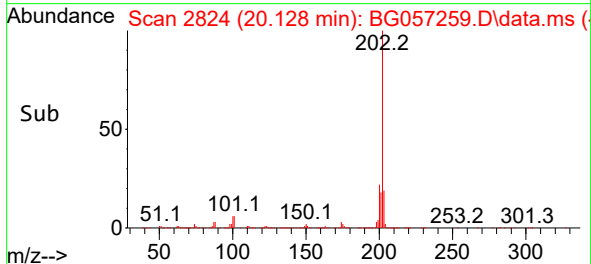
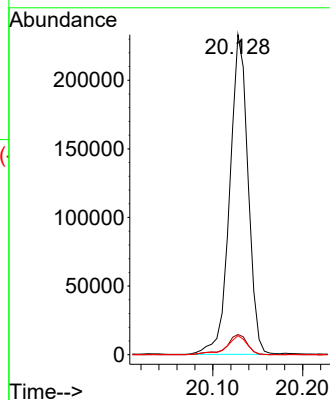
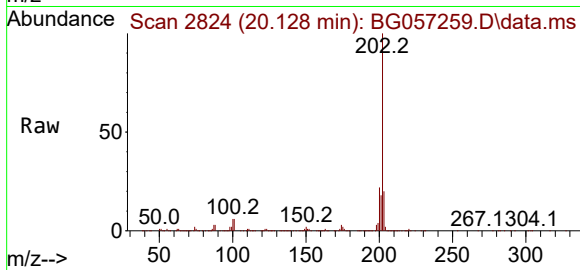
Tgt Ion:202 Resp: 330057

Ion Ratio Lower Upper

202 100

101 6.3 5.7 8.5

100 6.0 6.0 9.0#



#85

Benzo(a)anthracene

Concen: 28.573 ng/ul

RT: 22.031 min Scan# 3148

Delta R.T. 0.004 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

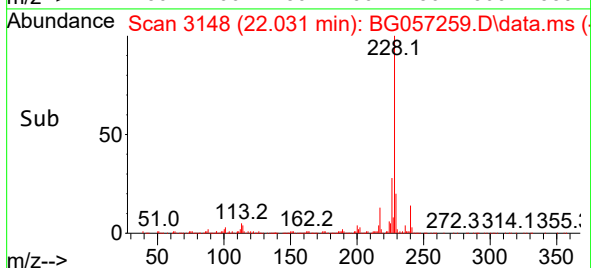
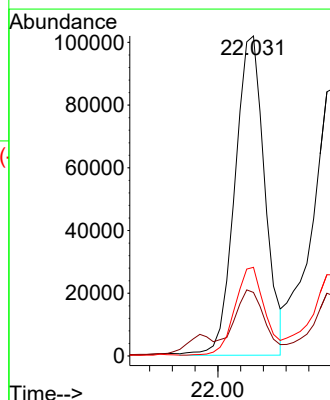
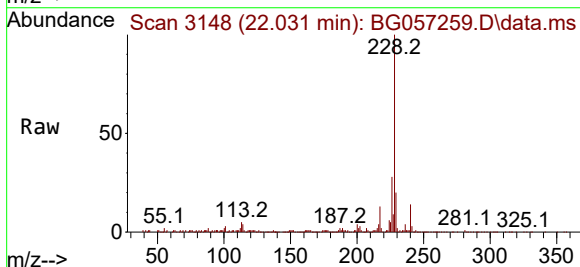
Tgt Ion:228 Resp: 185670

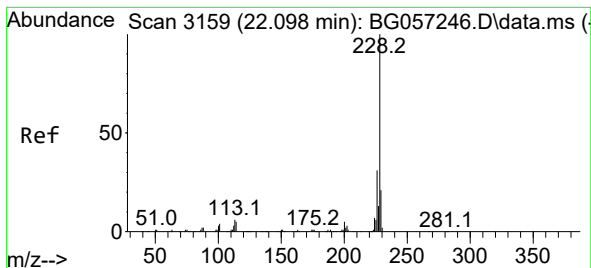
Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.6

226 27.7 21.7 32.5





#87

Chrysene

Concen: 28.629 ng/ul

RT: 22.102 min Scan# 3159

Delta R.T. 0.004 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

Instrument :

BNA_G

ClientSampleId :

EW8Y4

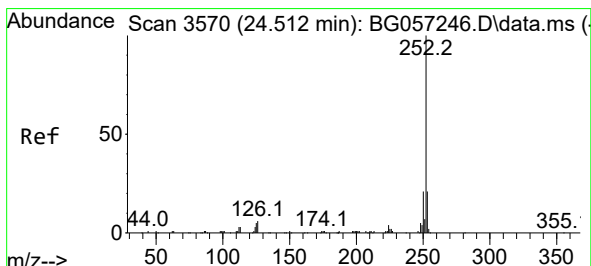
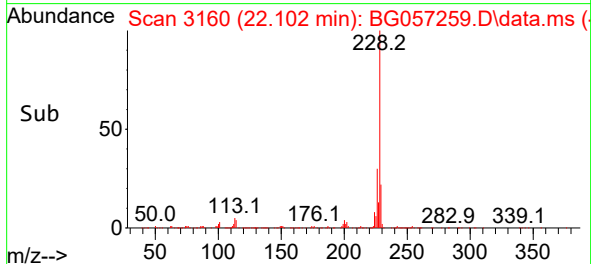
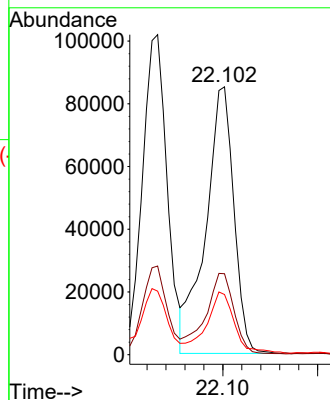
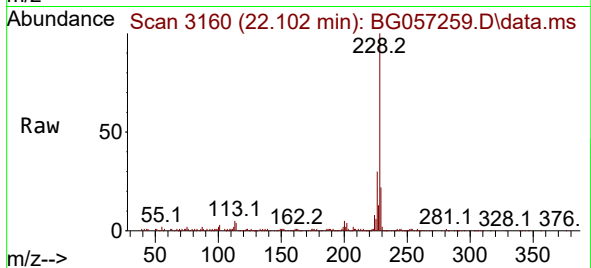
Tgt Ion:228 Resp: 175515

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

229 22.5 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 34.605 ng/ul

RT: 24.446 min Scan# 3559

Delta R.T. 0.010 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

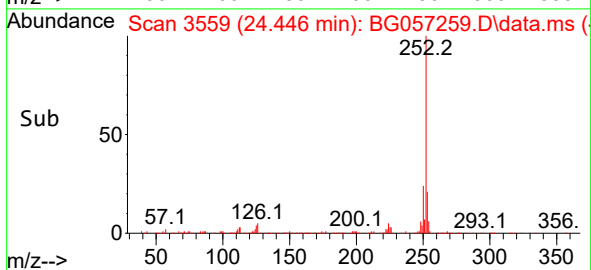
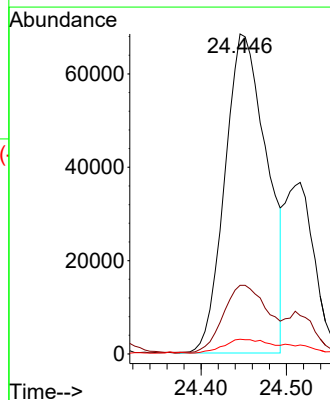
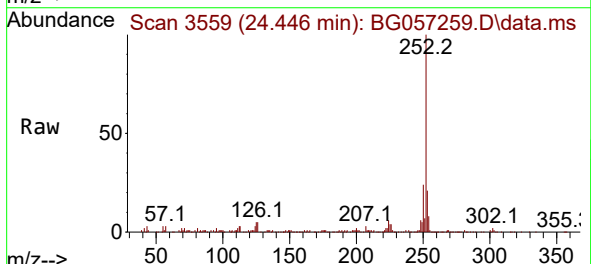
Tgt Ion:252 Resp: 234526

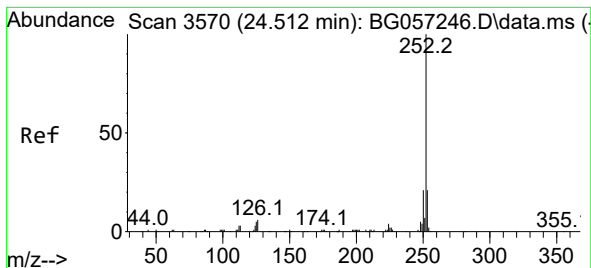
Ion Ratio Lower Upper

252 100

253 21.4 16.7 25.1

125 4.6 4.8 7.2#





#91

Benzo(k)fluoranthene

Concen: 35.569 ng/ul

RT: 24.446 min Scan# 3

Delta R.T. -0.067 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

Instrument :

BNA_G

ClientSampleId :

EW8Y4

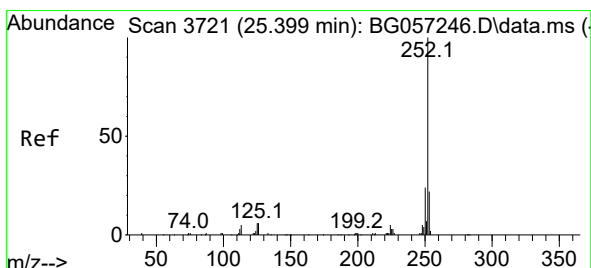
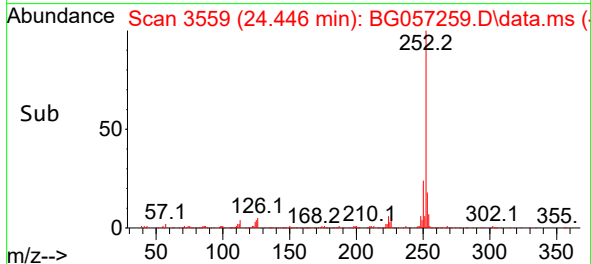
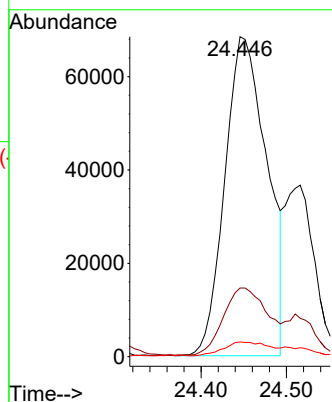
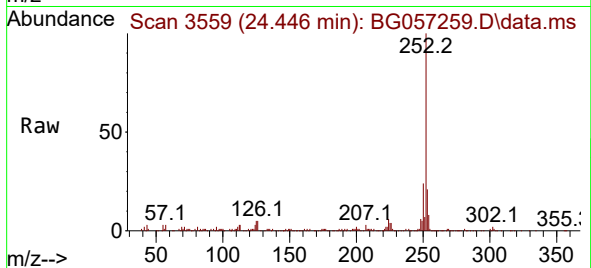
Tgt Ion:252 Resp: 234526

Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 4.6 4.5 6.7



#93

Benzo(a)pyrene

Concen: 17.170 ng/ul

RT: 25.250 min Scan# 3696

Delta R.T. -0.149 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

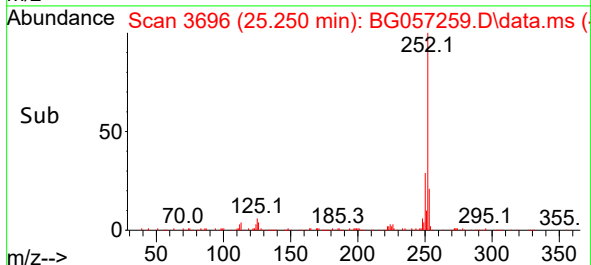
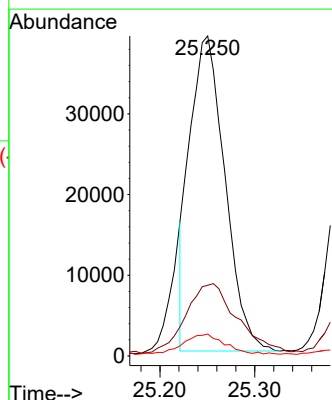
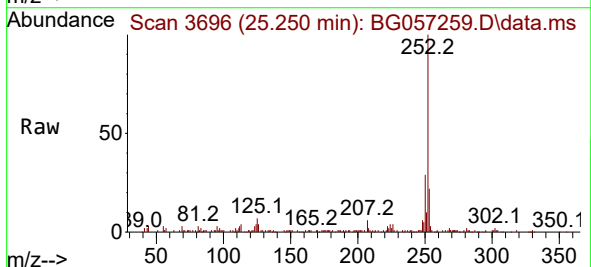
Tgt Ion:252 Resp: 100459

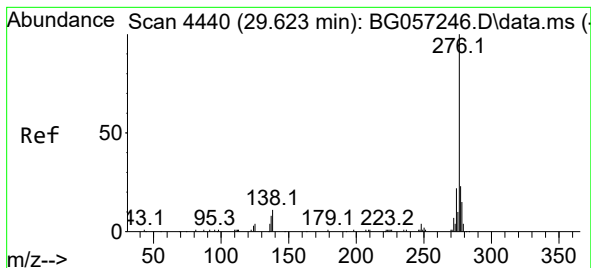
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 6.8 5.1 7.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.420 ng/ul

RT: 29.633 min Scan# 4442

Delta R.T. 0.010 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

Instrument :

BNA_G

ClientSampleId :

EW8Y4

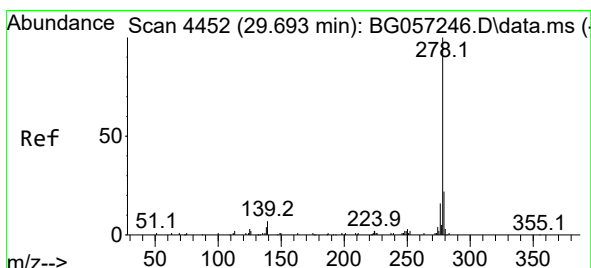
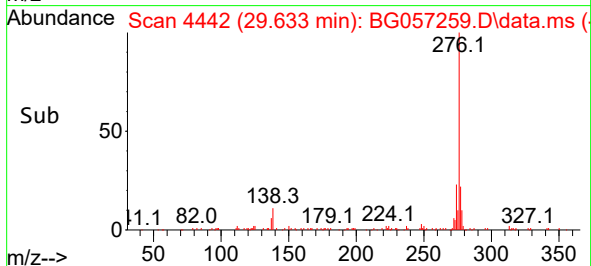
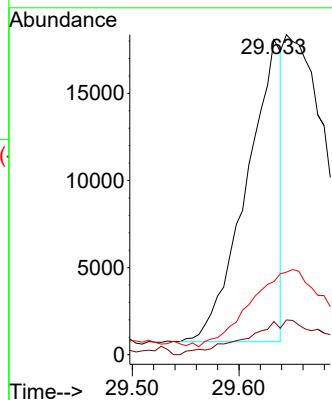
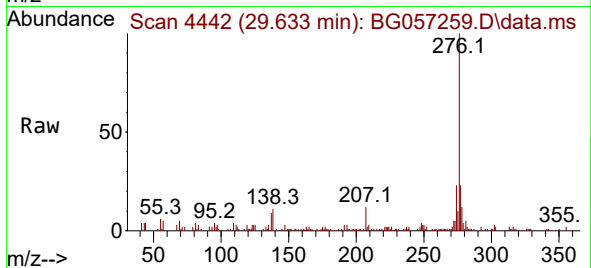
Tgt Ion:276 Resp: 39638

Ion Ratio Lower Upper

276 100

138 10.5 9.4 14.2

277 23.2 18.6 28.0



#95

Dibenzo(a,h)anthracene

Concen: 2.110 ng/ul

RT: 29.674 min Scan# 4449

Delta R.T. -0.020 min

Lab File: BG057259.D

Acq: 1 May 2023 21:13

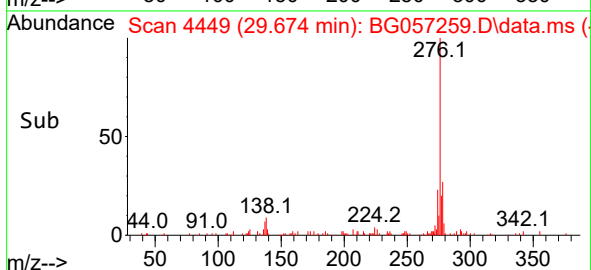
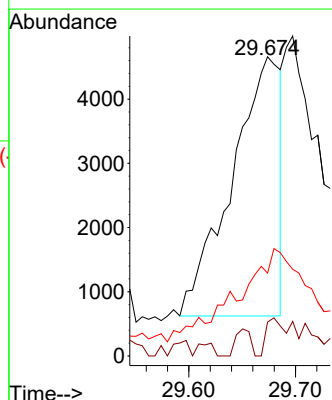
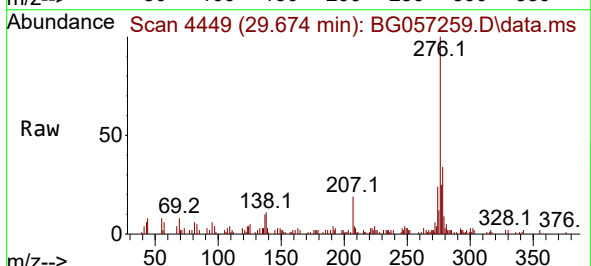
Tgt Ion:278 Resp: 12795

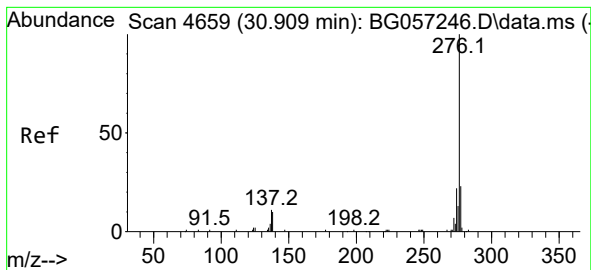
Ion Ratio Lower Upper

278 100

139 11.3 5.8 8.6#

279 27.7 18.3 27.5#





#96

Benzo(g,h,i)perylene

Concen: 12.197 ng/ul

RT: 30.925 min Scan# 4

Delta R.T. 0.016 min

Lab File: BG057259.D

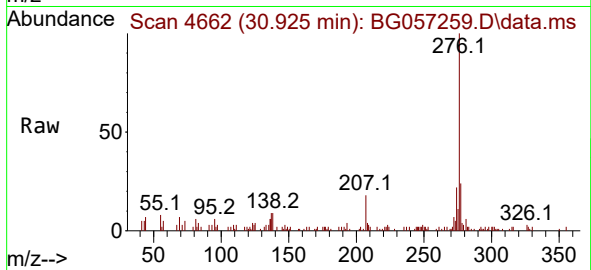
Acq: 1 May 2023 21:13

Instrument :

BNA_G

ClientSampleId :

EW8Y4



Tgt Ion:276 Resp: 72196

Ion Ratio Lower Upper

276 100

138 9.4 8.7 13.1

277 23.7 18.4 27.6

