

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057315.D
 Acq On : 5 May 2023 12:14
 Operator : CG/JU
 Sample : 02479-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW942

Quant Time: May 05 23:54:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

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

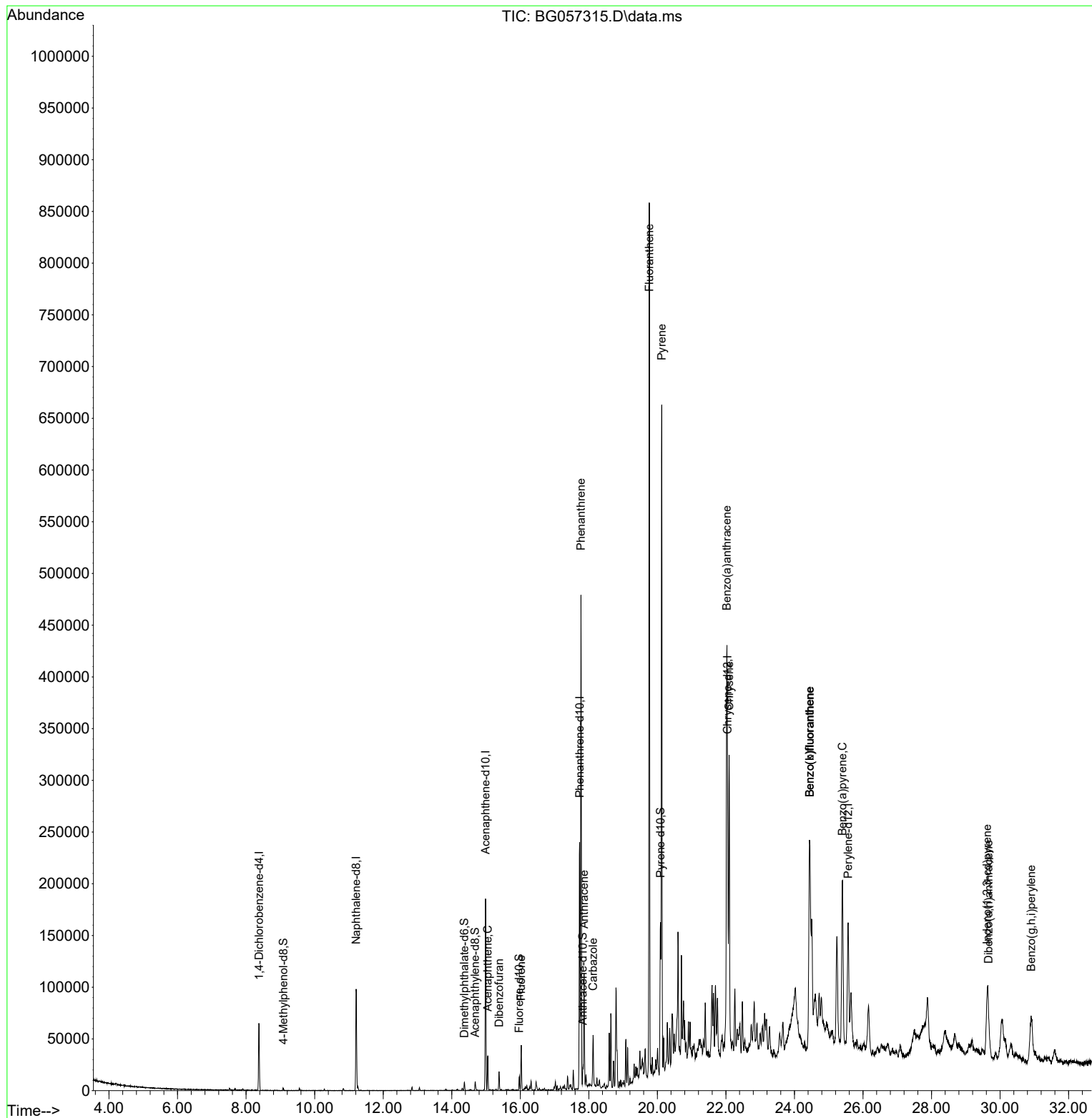
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	19172	20.000	ng/ul	0.00
20) Naphthalene-d8	11.210	136	84652	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.987	164	68881	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.730	188	157986	20.000	ng/ul	0.00
79) Chrysene-d12	22.048	240	131382	20.000	ng/ul	0.00
88) Perylene-d12	25.567	264	138877	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	4.096	84	87	0.063	ng/ul	0.00
7) Phenol-d5	7.515	99	1537	0.848	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	771	0.723	ng/ul	0.00
11) 2-Chlorophenol-d4	7.902	132	1139	0.953	ng/ul	0.00
15) 4-Methylphenol-d8	9.083	113	1440	1.045	ng/ul	0.00
21) Nitrobenzene-d5	9.553	128	492	0.730	ng/ul	0.00
24) 2-Nitrophenol-d4	10.281	143	777	0.988	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.839	165	1465	0.965	ng/ul	0.01
31) 4-Chloroaniline-d4	11.351	131	413	0.205	ng/ul	0.01
46) Dimethylphthalate-d6	14.370	166	6025	1.104	ng/ul	0.00
49) Acenaphthylene-d8	14.681	160	6896	1.124	ng/ul	0.00
54) 4-Nitrophenol-d4	15.204	143	115	0.145	ng/ul	0.03
60) Fluorene-d10	15.968	176	5815	1.144	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.824	188	9392	1.302	ng/ul	0.00
81) Pyrene-d10	20.092	212	10049	1.289	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.314	264	4852	0.686	ng/ul	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.051	153	15011	3.380	ng/ul	99
56) Dibenzofuran	15.380	168	12394	1.932	ng/ul	96
61) Fluorene	16.027	166	20044	3.696	ng/ul	92
72) Phenanthrene	17.771	178	309734	37.648	ng/ul	98
74) Anthracene	17.859	178	77032	9.321	ng/ul	99
77) Carbazole	18.124	167	30864	4.469	ng/ul	97
80) Fluoranthene	19.763	202	554616	59.870	ng/ul	97
82) Pyrene	20.127	202	443216	47.262	ng/ul	98
85) Benzo(a)anthracene	22.024	228	247684	26.656	ng/ul	98
87) Chrysene	22.095	228	222873	25.423	ng/ul	96
90) Benzo(b)fluoranthene	24.445	252	277350	28.839	ng/ul	97
91) Benzo(k)fluoranthene	24.445	252	277350	29.643	ng/ul	99
93) Benzo(a)pyrene	25.402	252	197128	23.743	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.626	276	76714	7.392	ng/ul	96
95) Dibenzo(a,h)anthracene	29.661	278	20563	2.389	ng/ul#	95
96) Benzo(g,h,i)perylene	30.906	276	100082	11.915	ng/ul	96

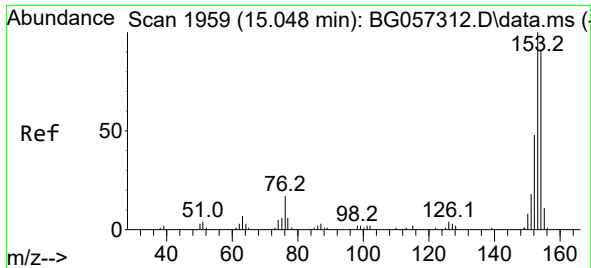
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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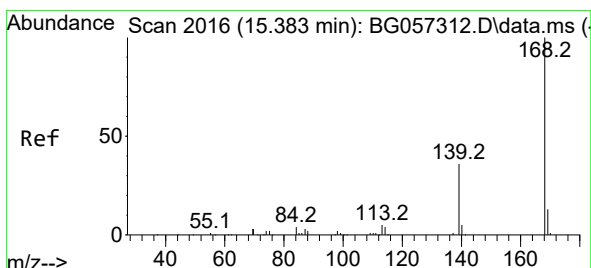
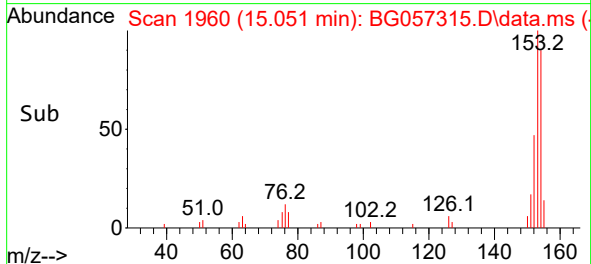
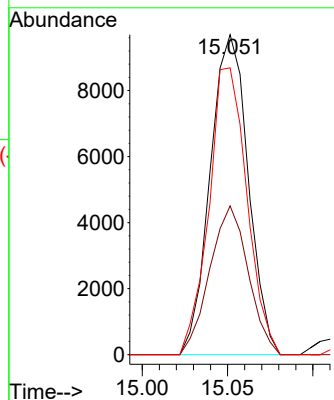
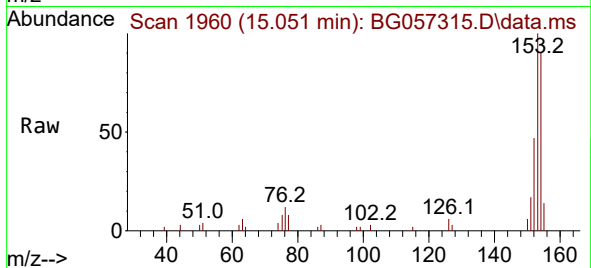




#52
Acenaphthene
Concen: 3.380 ng/ul
RT: 15.051 min Scan# 1959
Delta R.T. 0.003 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

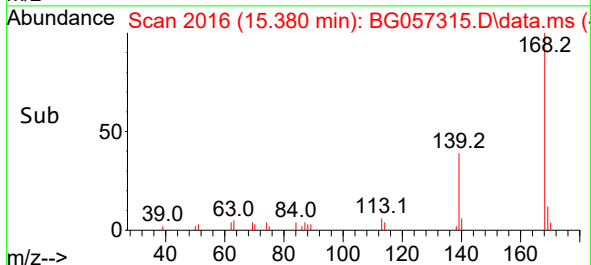
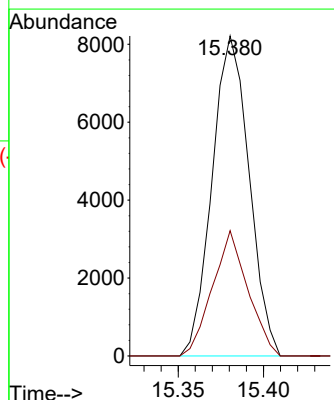
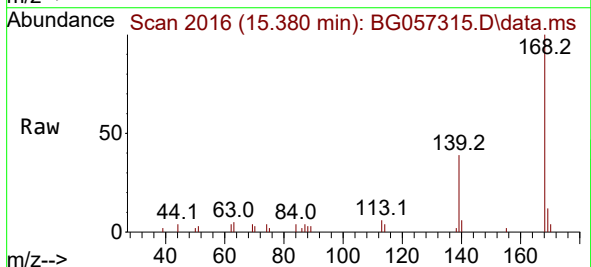
Instrument :
BNA_G
ClientSampleId :
EW942

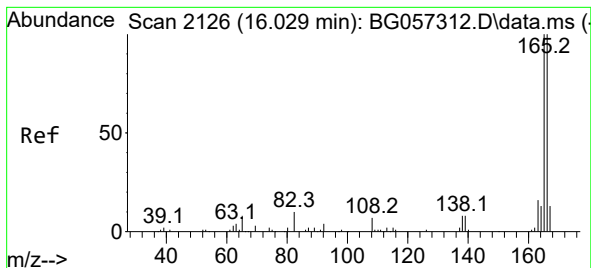
Tgt Ion:153 Resp: 15011
Ion Ratio Lower Upper
153 100
152 46.5 36.5 54.7
154 89.7 70.6 106.0



#56
Dibenzofuran
Concen: 1.932 ng/ul
RT: 15.380 min Scan# 2016
Delta R.T. -0.003 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

Tgt Ion:168 Resp: 12394
Ion Ratio Lower Upper
168 100
139 39.2 29.6 44.4





#61

Fluorene

Concen: 3.696 ng/ul

RT: 16.027 min Scan# 2126

Delta R.T. -0.003 min

Lab File: BG057315.D

Acq: 5 May 2023 12:14

Instrument :

BNA_G

ClientSampleId :

EW942

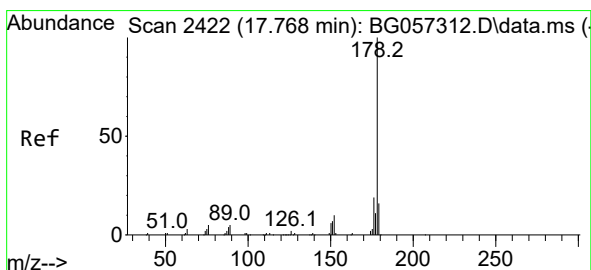
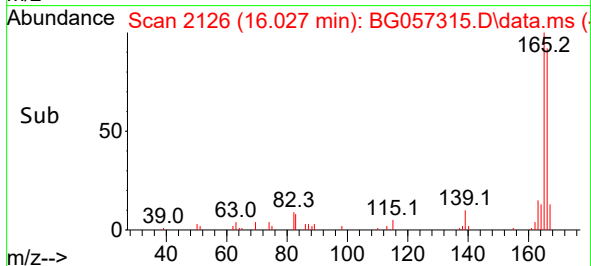
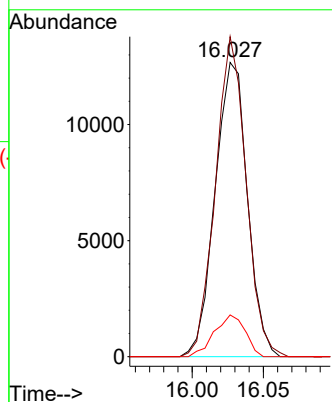
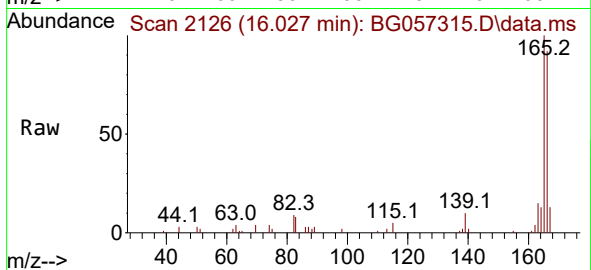
Tgt Ion:166 Resp: 20044

Ion Ratio Lower Upper

166 100

165 108.7 80.1 120.1

167 14.2 10.2 15.4



#72

Phenanthrene

Concen: 37.648 ng/ul

RT: 17.771 min Scan# 2423

Delta R.T. 0.003 min

Lab File: BG057315.D

Acq: 5 May 2023 12:14

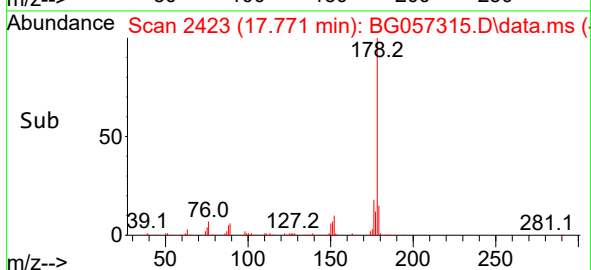
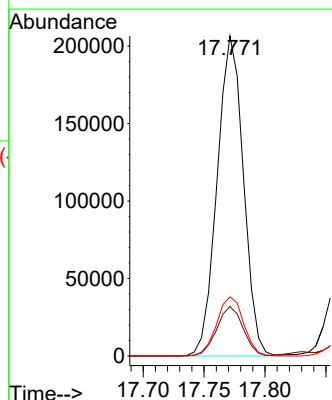
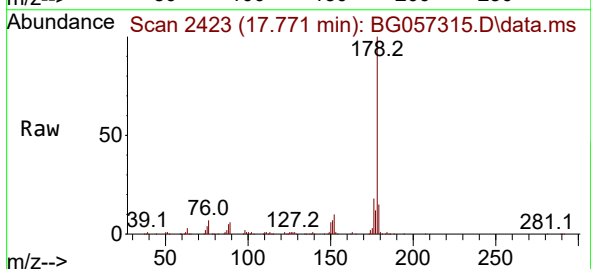
Tgt Ion:178 Resp: 309734

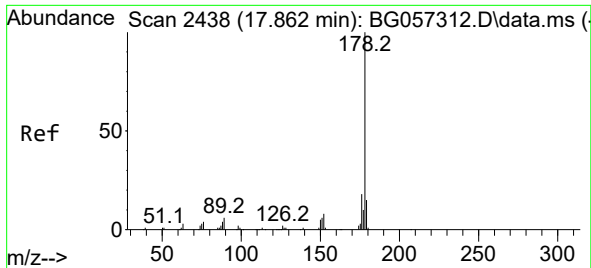
Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

176 18.4 15.4 23.0

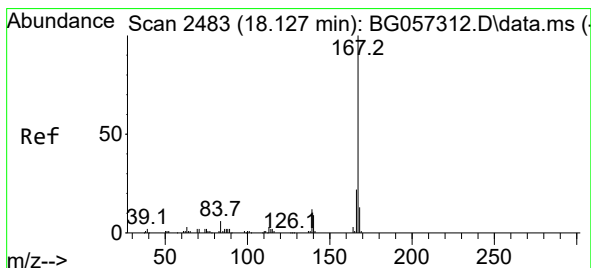
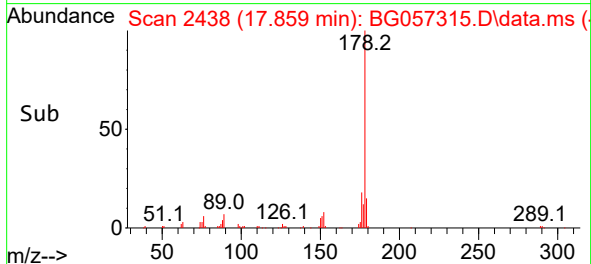
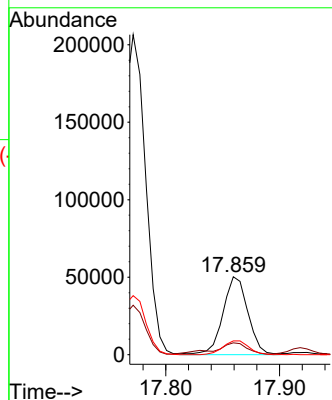
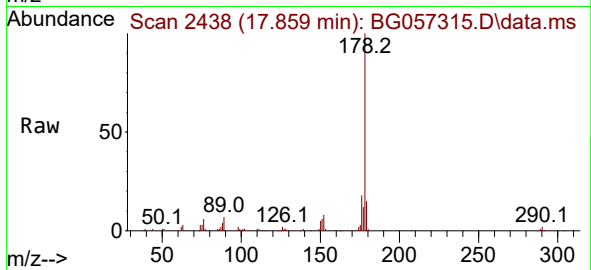




#74
 Anthracene
 Concen: 9.321 ng/ul
 RT: 17.859 min Scan# 2438
 Delta R.T. -0.003 min
 Lab File: BG057315.D
 Acq: 5 May 2023 12:14

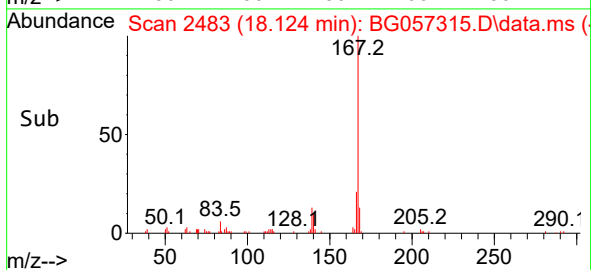
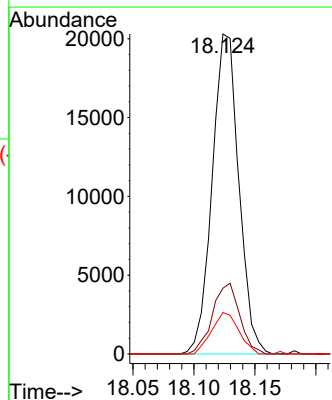
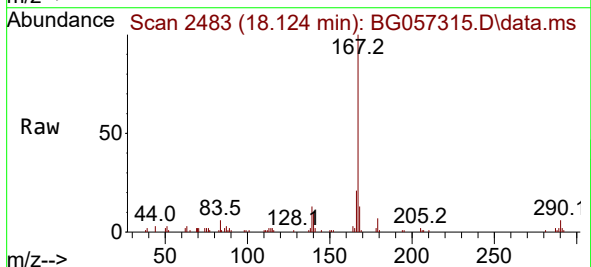
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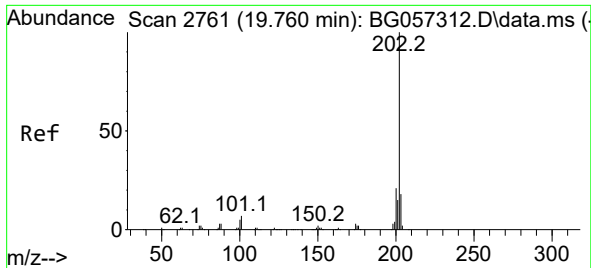
Tgt Ion:178 Resp: 77032
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.5 18.7
 176 17.6 14.7 22.1



#77
 Carbazole
 Concen: 4.469 ng/ul
 RT: 18.124 min Scan# 2483
 Delta R.T. -0.003 min
 Lab File: BG057315.D
 Acq: 5 May 2023 12:14

Tgt Ion:167 Resp: 30864
 Ion Ratio Lower Upper
 167 100
 166 20.6 18.0 27.0
 139 13.0 10.3 15.5

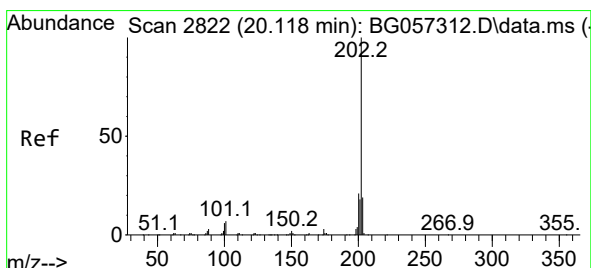
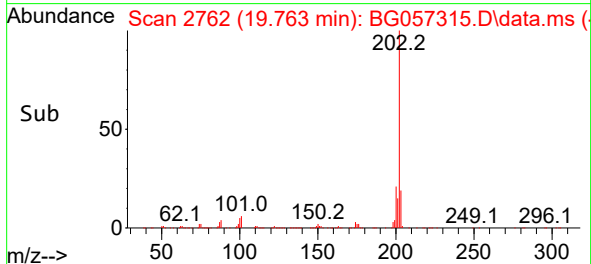
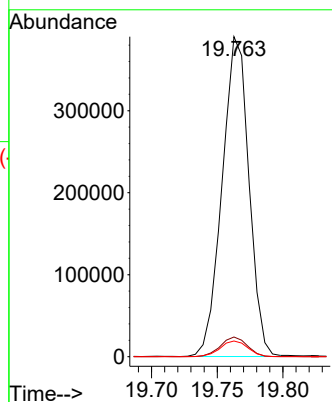
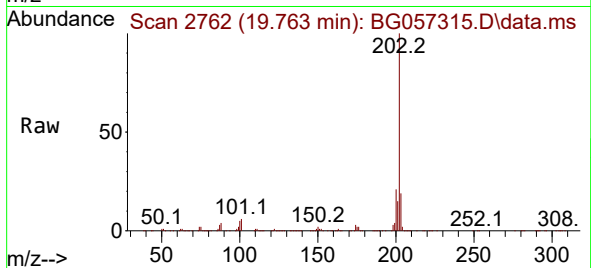




#80
Fluoranthene
Concen: 59.870 ng/ul
RT: 19.763 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

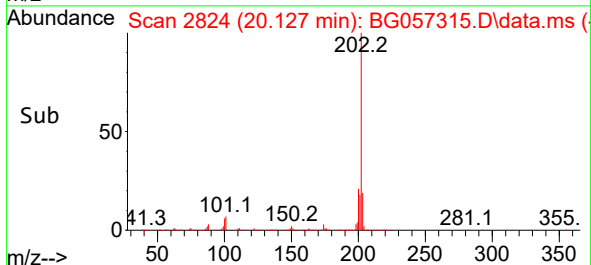
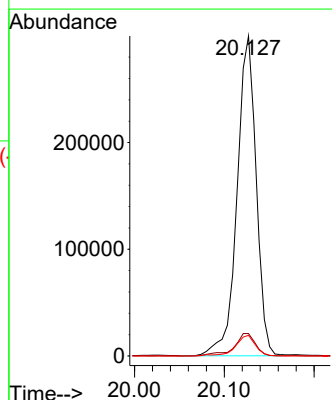
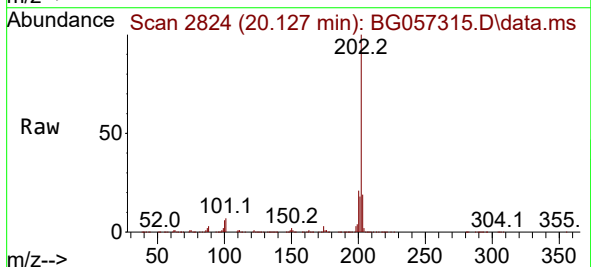
Instrument :
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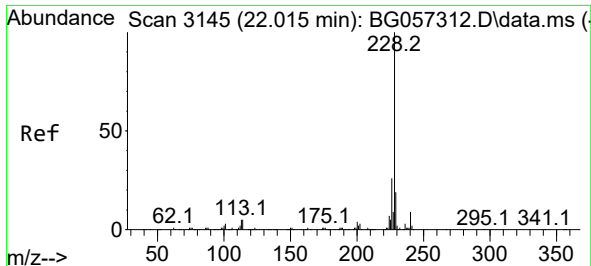
Tgt Ion:202 Resp: 554616
Ion Ratio Lower Upper
202 100
101 6.2 5.8 8.6
100 4.9 4.6 7.0



#82
Pyrene
Concen: 47.262 ng/ul
RT: 20.127 min Scan# 2824
Delta R.T. 0.009 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

Tgt Ion:202 Resp: 443216
Ion Ratio Lower Upper
202 100
101 7.0 5.7 8.5
100 6.5 6.0 9.0

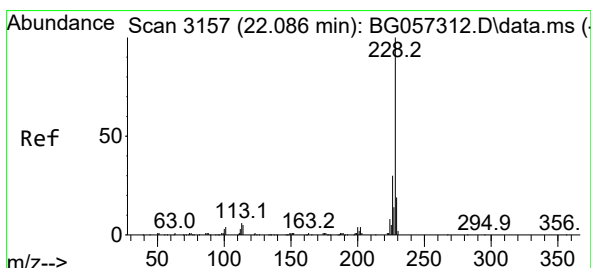
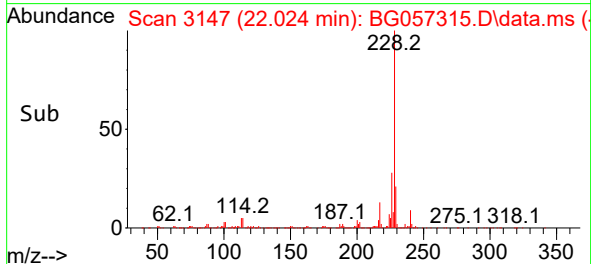
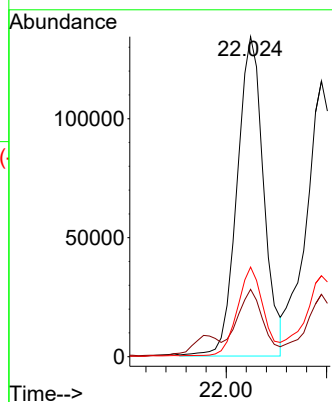
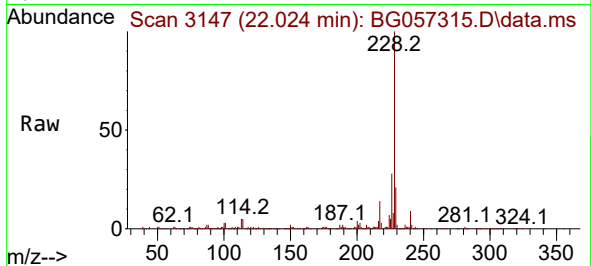




#85
Benzo(a)anthracene
Concen: 26.656 ng/u1
RT: 22.024 min Scan# 3147
Delta R.T. 0.009 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

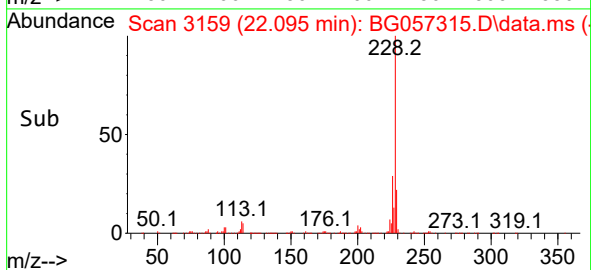
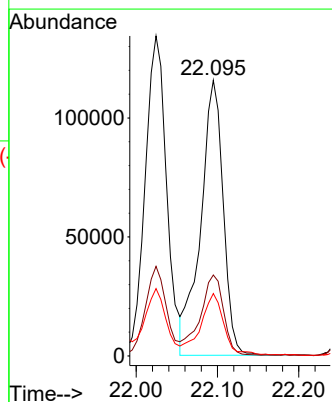
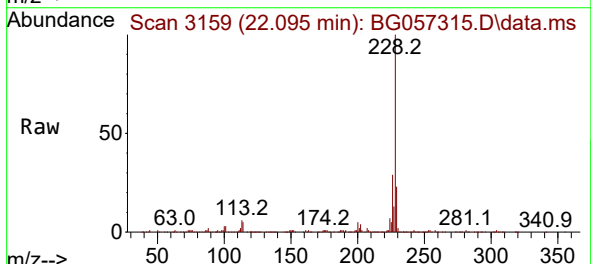
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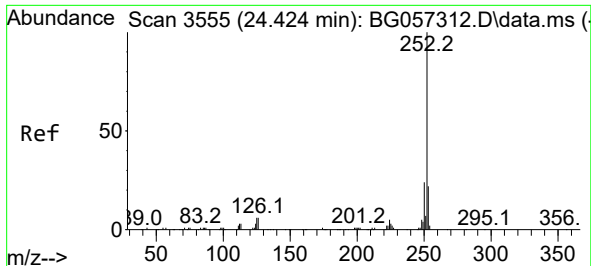
Tgt Ion:228 Resp: 247684
Ion Ratio Lower Upper
228 100
229 21.0 15.8 23.6
226 28.0 21.7 32.5



#87
Chrysene
Concen: 25.423 ng/u1
RT: 22.095 min Scan# 3159
Delta R.T. 0.009 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

Tgt Ion:228 Resp: 222873
Ion Ratio Lower Upper
228 100
226 29.4 22.8 34.2
229 22.6 15.5 23.3

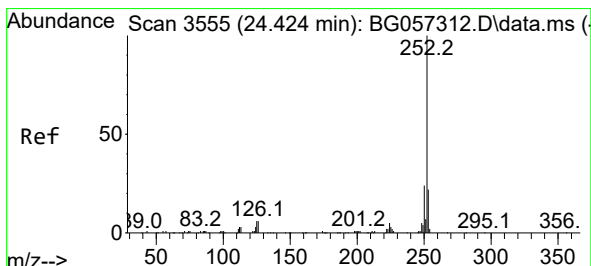
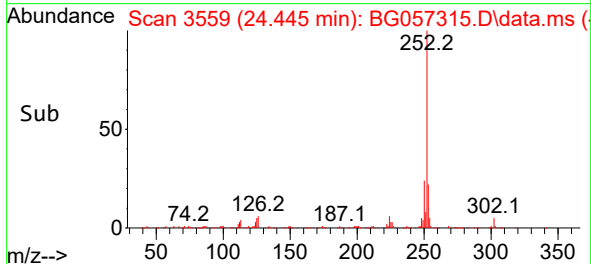
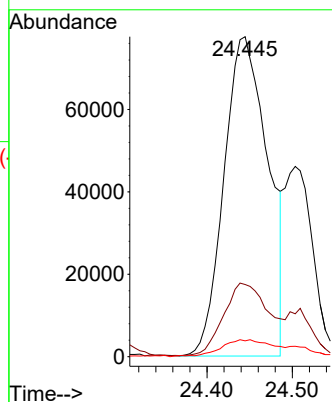
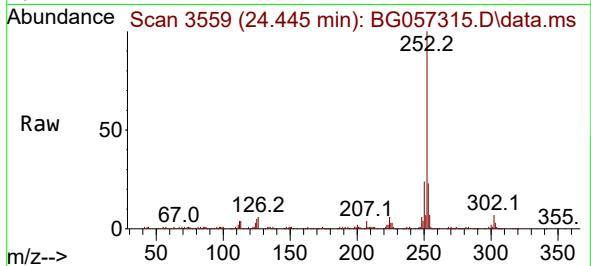




#90
Benzo(b)fluoranthene
Concen: 28.839 ng/ul
RT: 24.445 min Scan# 3559
Delta R.T. 0.021 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

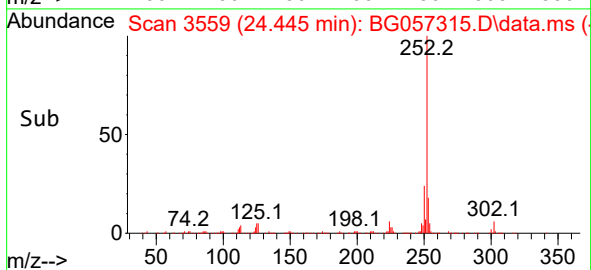
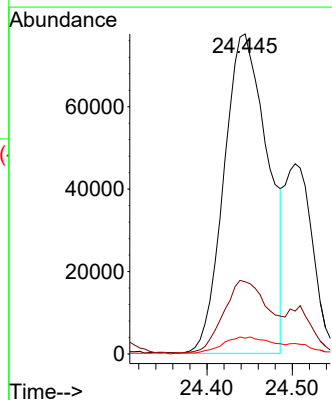
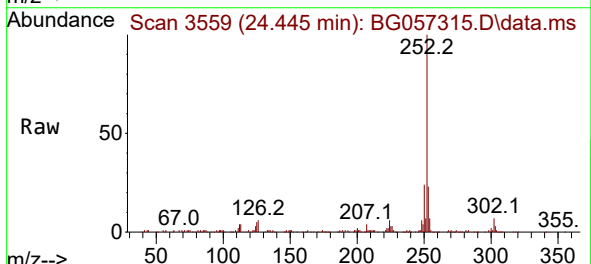
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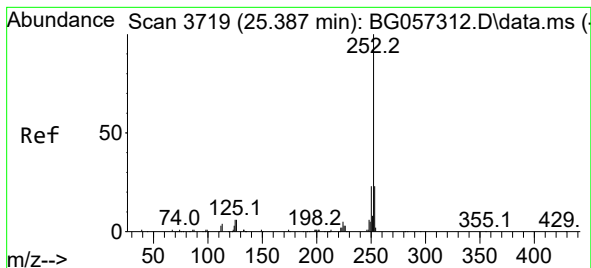
Tgt Ion:252 Resp: 277350
Ion Ratio Lower Upper
252 100
253 22.6 16.7 25.1
125 4.9 4.8 7.2



#91
Benzo(k)fluoranthene
Concen: 29.643 ng/ul
RT: 24.445 min Scan# 3559
Delta R.T. -0.050 min
Lab File: BG057315.D
Acq: 5 May 2023 12:14

Tgt Ion:252 Resp: 277350
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 4.9 4.5 6.7





#93

Benzo(a)pyrene

Concen: 23.743 ng/u1

RT: 25.402 min Scan# 31

Delta R.T. 0.015 min

Lab File: BG057315.D

Acq: 5 May 2023 12:14

Instrument :

BNA_G

ClientSampleId :

EW942

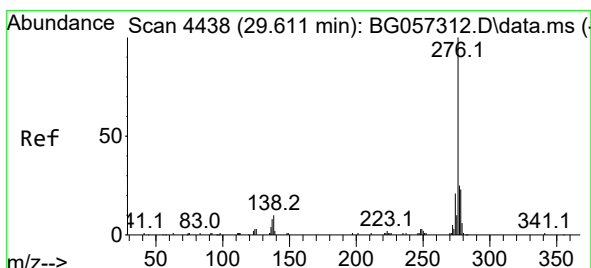
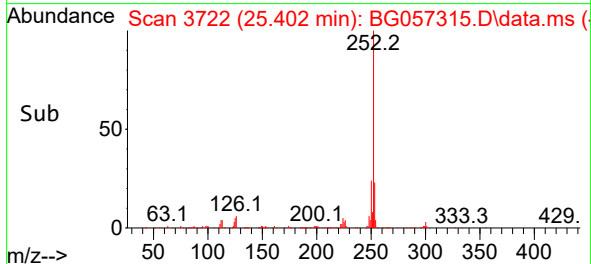
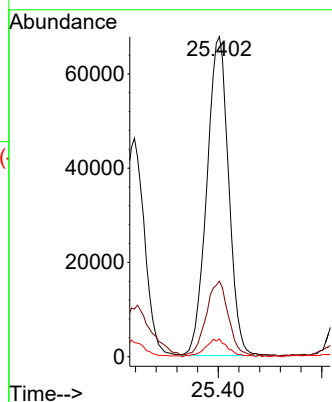
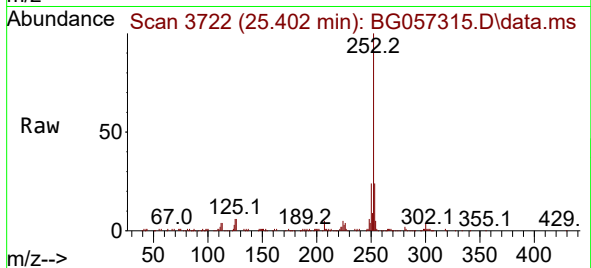
Tgt Ion:252 Resp: 197128

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

125 5.6 5.1 7.7



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.392 ng/u1

RT: 29.626 min Scan# 4441

Delta R.T. 0.015 min

Lab File: BG057315.D

Acq: 5 May 2023 12:14

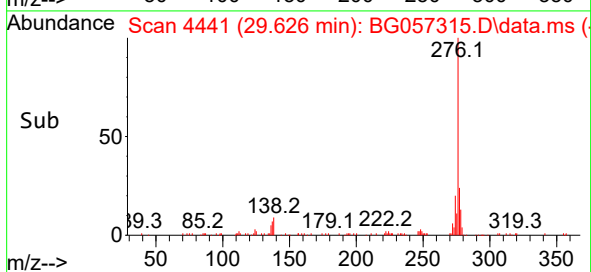
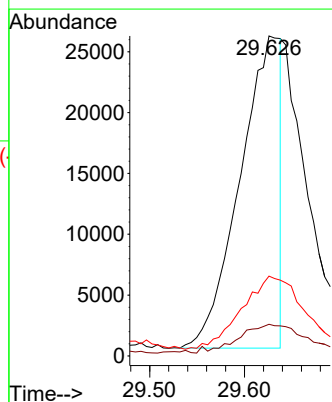
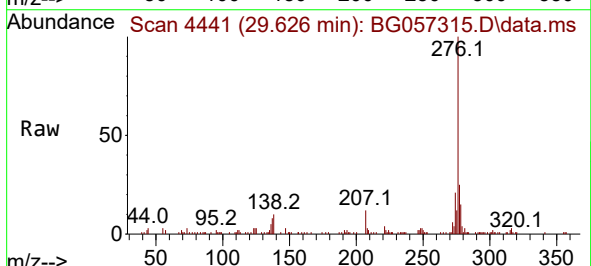
Tgt Ion:276 Resp: 76714

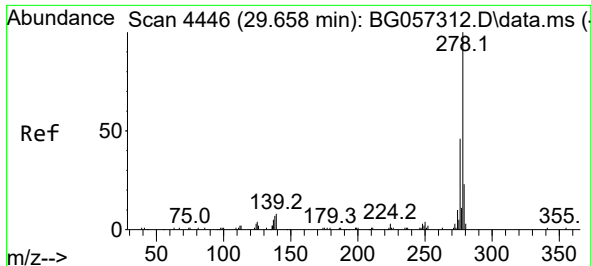
Ion Ratio Lower Upper

276 100

138 9.9 9.4 14.2

277 25.0 18.6 28.0

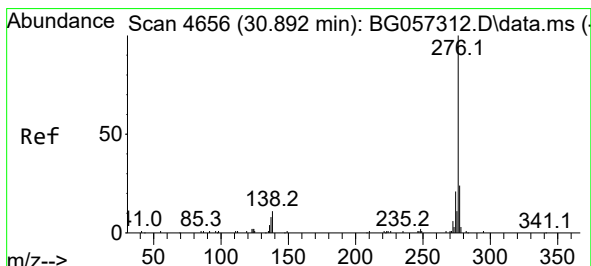
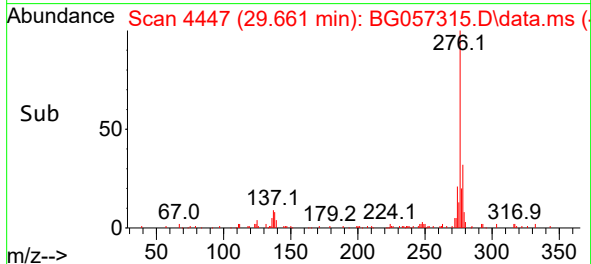
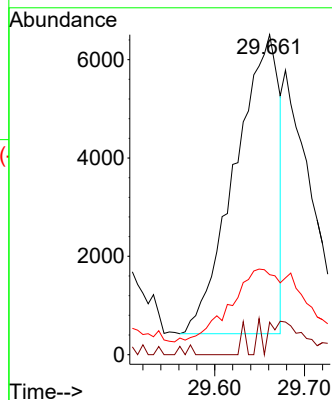
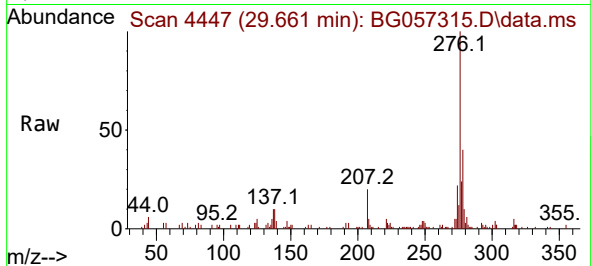




#95
 Dibenzo(a,h)anthracene
 Concen: 2.389 ng/ul
 RT: 29.661 min Scan# 4447
 Delta R.T. 0.003 min
 Lab File: BG057315.D
 Acq: 5 May 2023 12:14

Instrument :
 BNA_G
 ClientSampleId :
 EW942

Tgt Ion:278 Resp: 20563
 Ion Ratio Lower Upper
 278 100
 139 10.1 5.8 8.6#
 279 25.0 18.3 27.5



#96
 Benzo(g,h,i)perylene
 Concen: 11.915 ng/ul
 RT: 30.906 min Scan# 4659
 Delta R.T. 0.015 min
 Lab File: BG057315.D
 Acq: 5 May 2023 12:14

Tgt Ion:276 Resp: 100082
 Ion Ratio Lower Upper
 276 100
 138 10.3 8.7 13.1
 277 25.6 18.4 27.6

