

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050423\
 Data File : BG057302.D
 Acq On : 4 May 2023 13:58
 Operator : CG/JU
 Sample : 02447-16DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW936DL

Quant Time: May 05 01:43:56 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)

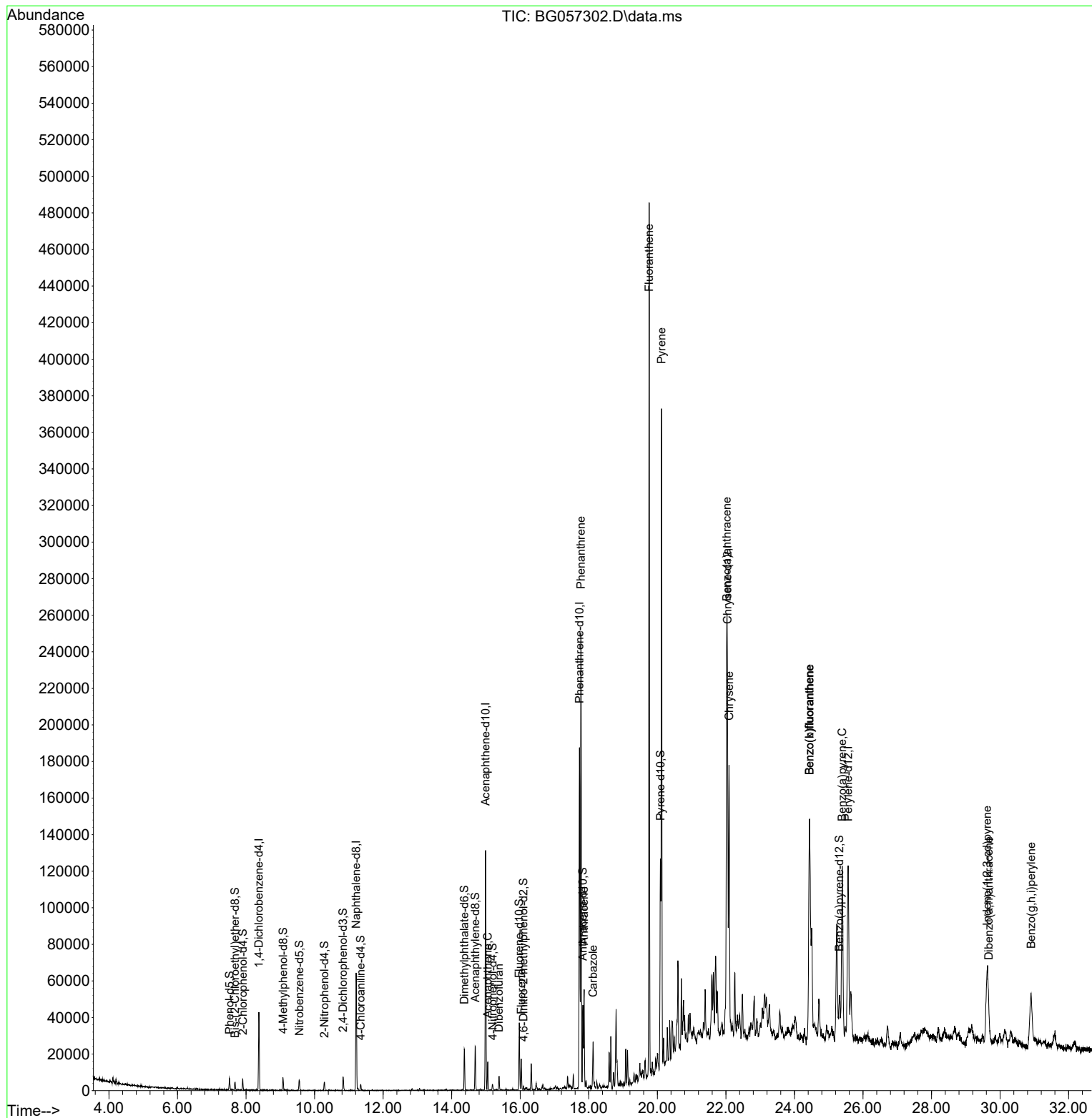
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.376	152	12148	20.000	ng/u1	0.00
20) Naphthalene-d8	11.213	136	53713	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.990	164	49274	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.728	188	126842	20.000	ng/u1	0.00
79) Chrysene-d12	22.045	240	108606	20.000	ng/u1	# 0.00
88) Perylene-d12	25.564	264	115292	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.659	96	61	0.221	ng/uL	0.00
4) Pyridine-d5	4.076	84	49	0.056	ng/u1	-0.02
7) Phenol-d5	7.518	99	4313	3.754	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.677	67	2478	3.667	ng/u1	0.00
11) 2-Chlorophenol-d4	7.906	132	2922	3.860	ng/u1	0.00
15) 4-Methylphenol-d8	9.081	113	3261	3.735	ng/u1	0.00
21) Nitrobenzene-d5	9.556	128	1652	3.862	ng/u1	0.00
24) 2-Nitrophenol-d4	10.285	143	2010	4.026	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.831	165	3795	3.940	ng/u1	0.00
31) 4-Chloroaniline-d4	11.342	131	2779	2.177	ng/u1	0.00
46) Dimethylphthalate-d6	14.368	166	16184	4.145	ng/u1	-0.01
49) Acenaphthylene-d8	14.691	160	18943	4.317	ng/u1	0.00
54) 4-Nitrophenol-d4	15.196	143	1368	2.407	ng/u1	0.02
60) Fluorene-d10	15.971	176	15799	4.344	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	16.095	200	854	1.136	ng/u1	0.00
73) Anthracene-d10	17.828	188	27750	4.793	ng/u1	0.00
81) Pyrene-d10	20.095	212	32334	5.016	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.312	264	28328	4.823	ng/u1	-0.01
Target Compounds						
					Qvalue	
52) Acenaphthene	15.049	153	7035	2.214	ng/u1	96
56) Dibenzofuran	15.378	168	5626	1.226	ng/u1	95
61) Fluorene	16.030	166	8565	2.208	ng/u1	98
72) Phenanthrene	17.769	178	162702	24.632	ng/u1	100
74) Anthracene	17.863	178	37581	5.664	ng/u1	98
77) Carbazole	18.127	167	16635	3.000	ng/u1	94
80) Fluoranthene	19.760	202	301839	39.416	ng/u1	97
82) Pyrene	20.124	202	243996	31.475	ng/u1	98
85) Benzo(a)anthracene	22.022	228	123525	16.082	ng/u1	98
87) Chrysene	22.092	228	111486	15.384	ng/u1	98
90) Benzo(b)fluoranthene	24.436	252	154101	19.302	ng/u1	96
91) Benzo(k)fluoranthene	24.436	252	154101	19.840	ng/u1	98
93) Benzo(a)pyrene	25.394	252	111196	16.133	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	29.623	276	79666	9.246	ng/u1	100
95) Dibenzo(a,h)anthracene	29.670	278	8512	1.191	ng/u1#	82
96) Benzo(g,h,i)perylene	30.904	276	67732	9.713	ng/u1	98

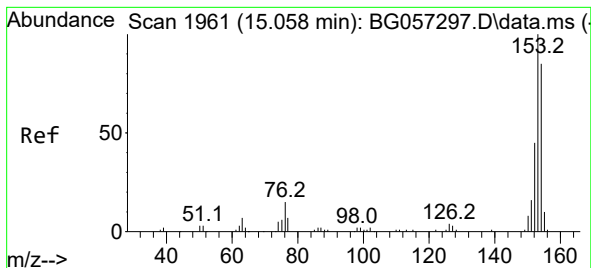
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#52

Acenaphthene

Concen: 2.214 ng/ul

RT: 15.049 min Scan# 1959

Delta R.T. -0.011 min

Lab File: BG057302.D

Acq: 4 May 2023 13:58

Instrument :

BNA_G

ClientSampleId :

EW936DL

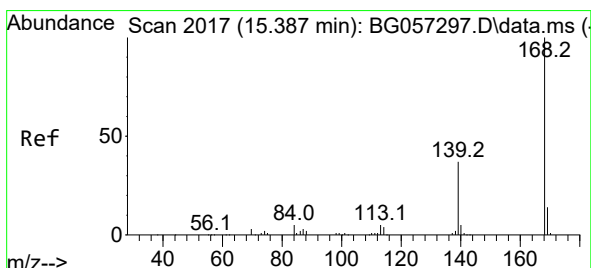
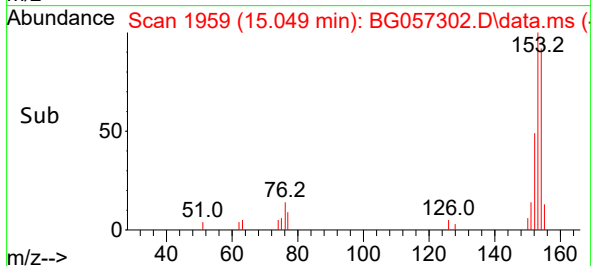
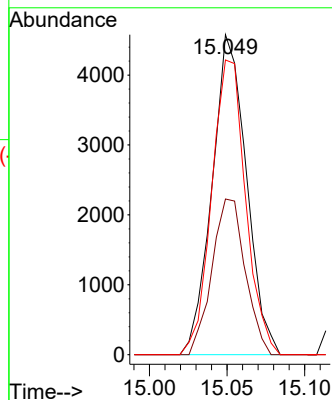
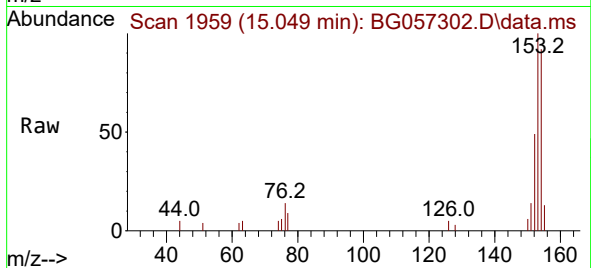
Tgt Ion:153 Resp: 7035

Ion Ratio Lower Upper

153 100

152 48.6 36.5 54.7

154 92.1 70.6 106.0



#56

Dibenzofuran

Concen: 1.226 ng/ul

RT: 15.378 min Scan# 2015

Delta R.T. -0.011 min

Lab File: BG057302.D

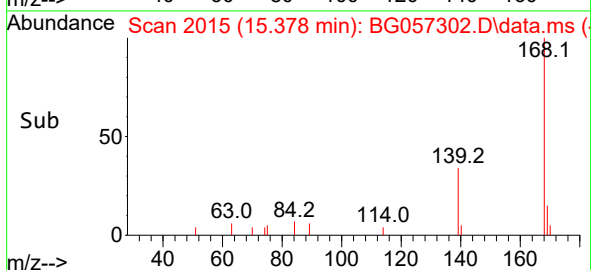
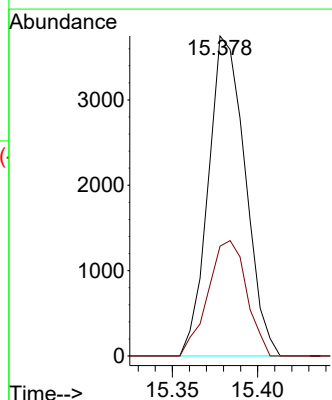
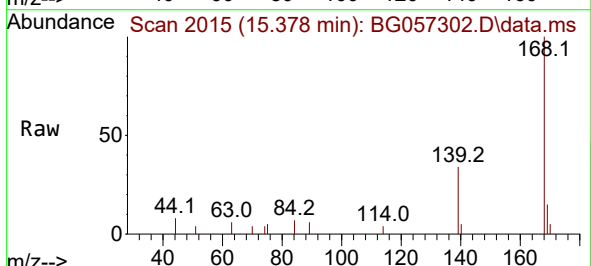
Acq: 4 May 2023 13:58

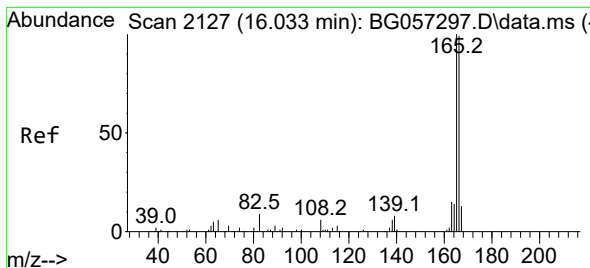
Tgt Ion:168 Resp: 5626

Ion Ratio Lower Upper

168 100

139 34.3 29.6 44.4





#61

Fluorene

Concen: 2.208 ng/ul

RT: 16.030 min Scan# 2127

Delta R.T. -0.005 min

Lab File: BG057302.D

Acq: 4 May 2023 13:58

Instrument :

BNA_G

ClientSampleId :

EW936DL

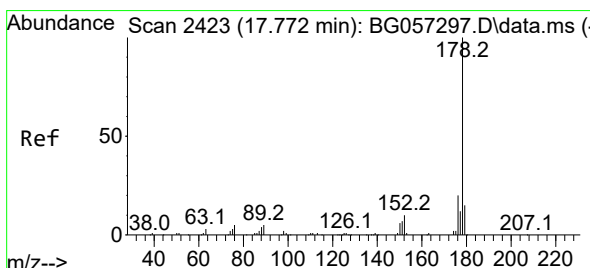
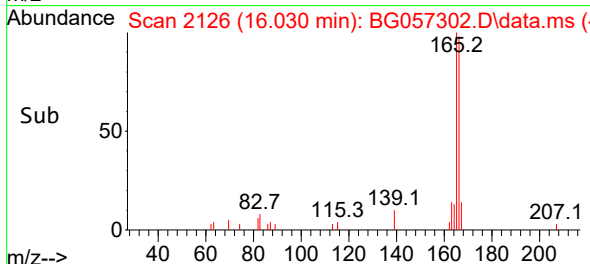
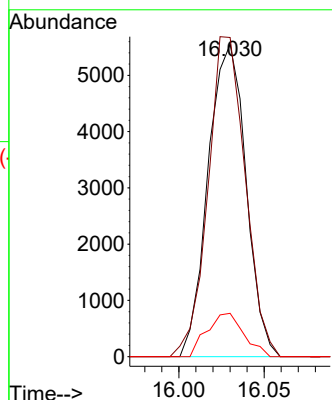
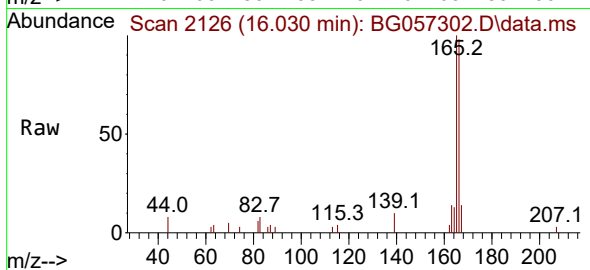
Tgt Ion:166 Resp: 8565

Ion Ratio Lower Upper

166 100

165 102.2 80.1 120.1

167 13.9 10.2 15.4



#72

Phenanthrene

Concen: 24.632 ng/ul

RT: 17.769 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BG057302.D

Acq: 4 May 2023 13:58

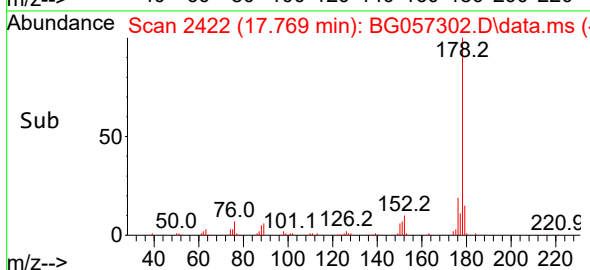
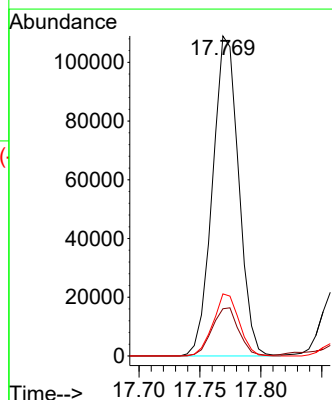
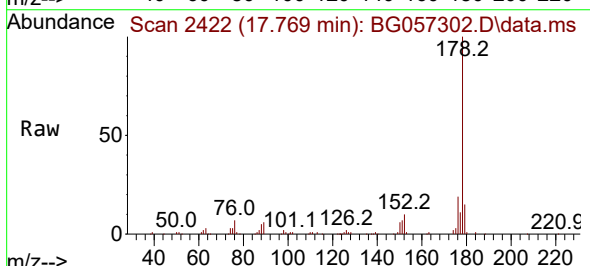
Tgt Ion:178 Resp: 162702

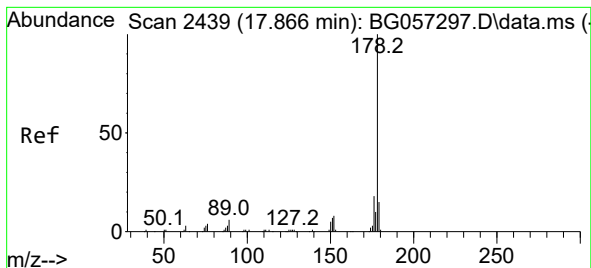
Ion Ratio Lower Upper

178 100

179 14.8 11.8 17.8

176 19.4 15.4 23.0





#74

Anthracene

Concen: 5.664 ng/ul

RT: 17.863 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BG057302.D

Acq: 4 May 2023 13:58

Instrument :

BNA_G

ClientSampleId :

EW936DL

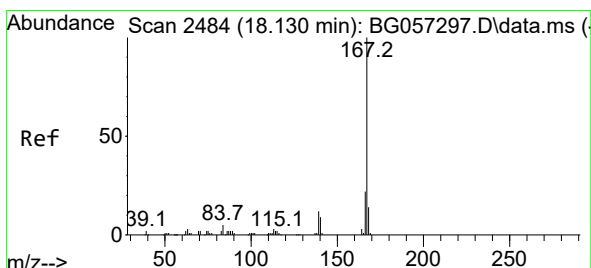
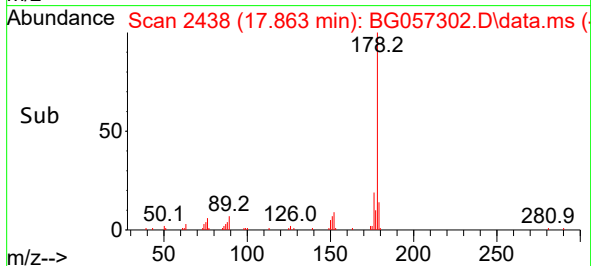
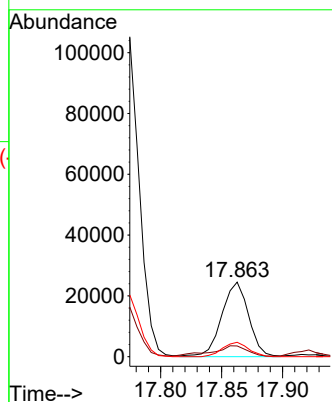
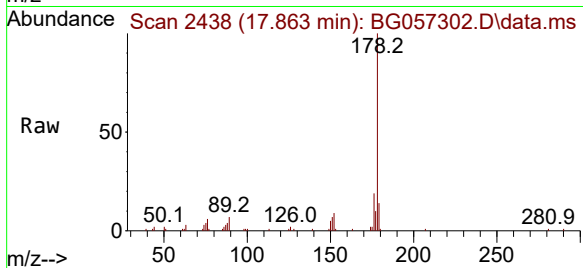
Tgt Ion:178 Resp: 37581

Ion Ratio Lower Upper

178 100

179 14.4 12.5 18.7

176 19.2 14.7 22.1



#77

Carbazole

Concen: 3.000 ng/ul

RT: 18.127 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BG057302.D

Acq: 4 May 2023 13:58

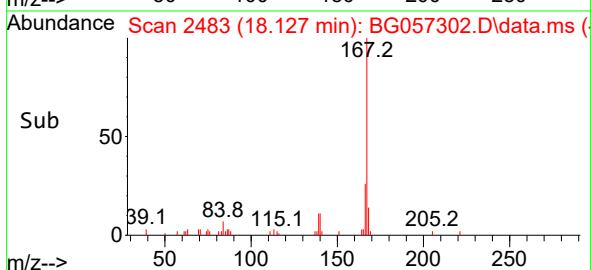
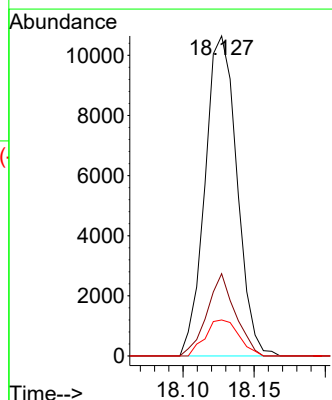
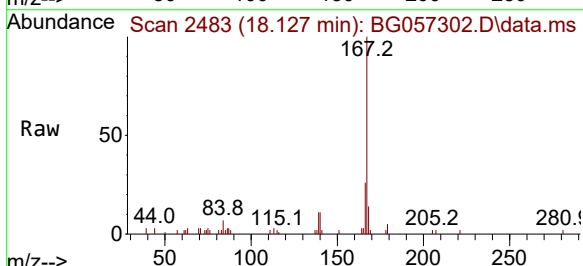
Tgt Ion:167 Resp: 16635

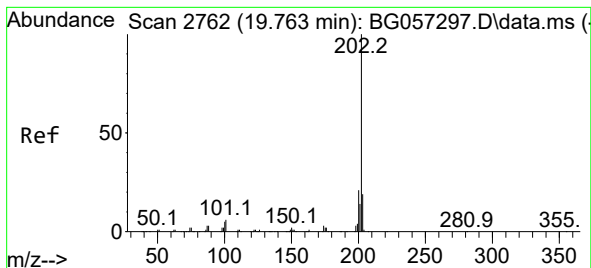
Ion Ratio Lower Upper

167 100

166 25.7 18.0 27.0

139 11.2 10.3 15.5





#80

Fluoranthene

Concen: 39.416 ng/ul

RT: 19.760 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG057302.D

Acq: 4 May 2023 13:58

Instrument :

BNA_G

ClientSampleId :

EW936DL

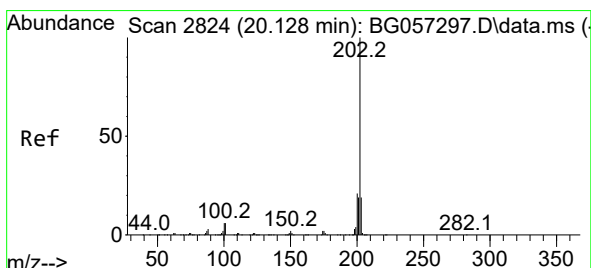
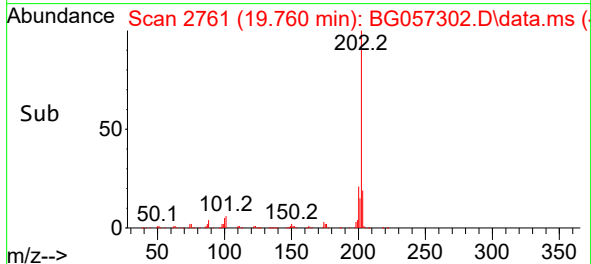
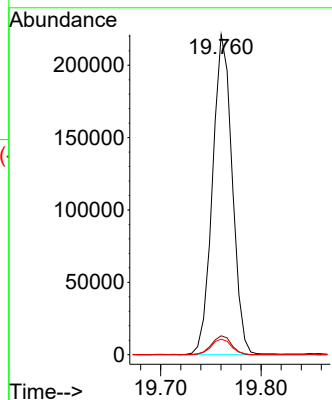
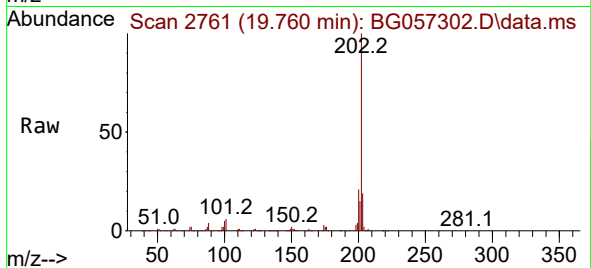
Tgt Ion:202 Resp: 301839

Ion Ratio Lower Upper

202 100

101 5.9 5.8 8.6

100 4.9 4.6 7.0



#82

Pyrene

Concen: 31.475 ng/ul

RT: 20.124 min Scan# 2823

Delta R.T. 0.000 min

Lab File: BG057302.D

Acq: 4 May 2023 13:58

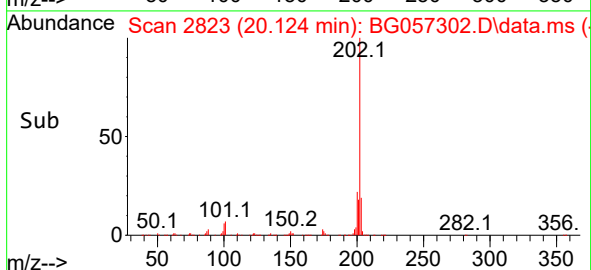
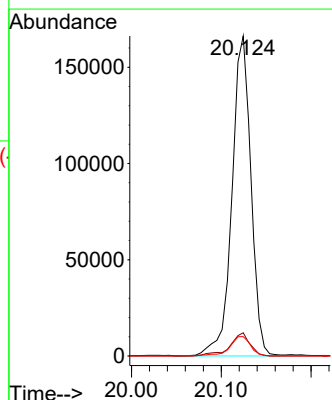
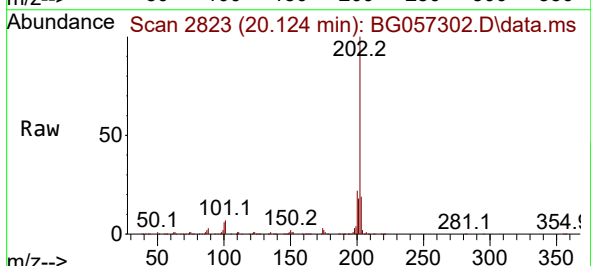
Tgt Ion:202 Resp: 243996

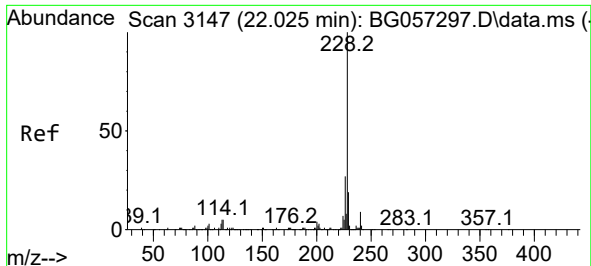
Ion Ratio Lower Upper

202 100

101 7.2 5.7 8.5

100 6.1 6.0 9.0

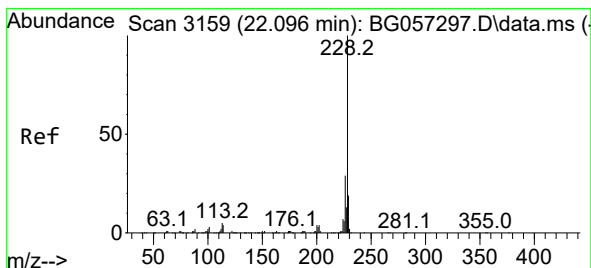
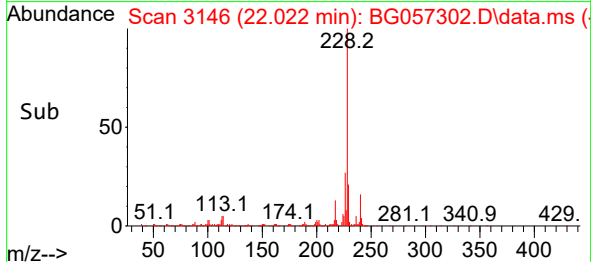
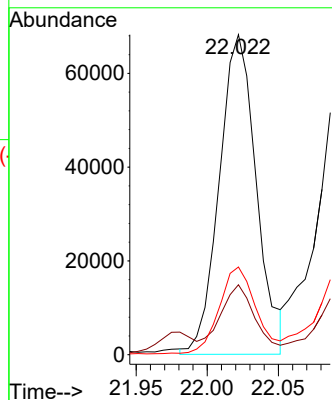
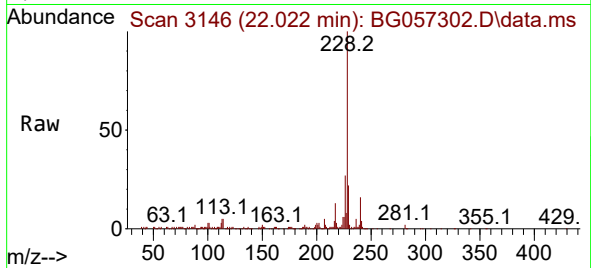




#85
Benzo(a)anthracene
Concen: 16.082 ng/ul
RT: 22.022 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BG057302.D
Acq: 4 May 2023 13:58

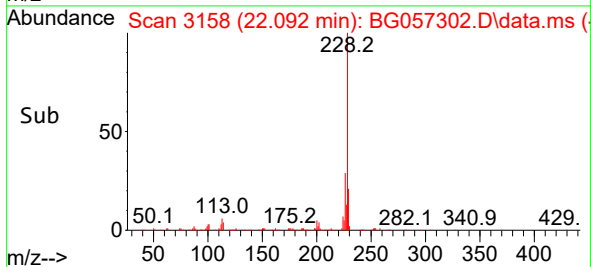
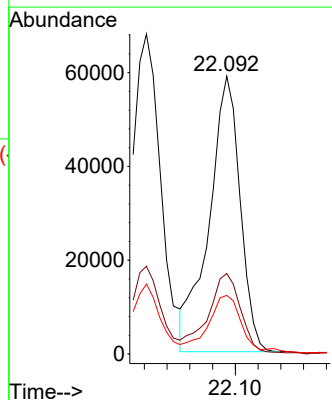
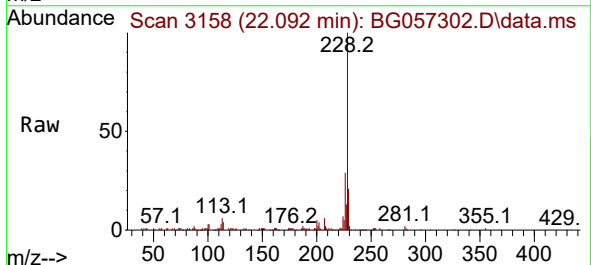
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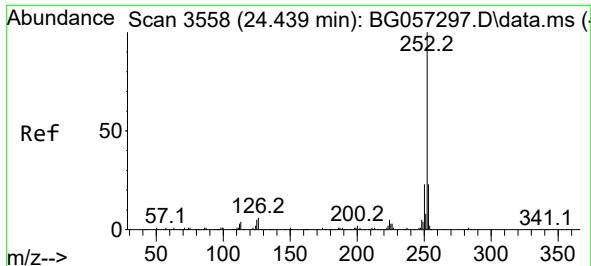
Tgt Ion:228 Resp: 123525
Ion Ratio Lower Upper
228 100
229 21.8 15.8 23.6
226 27.4 21.7 32.5



#87
Chrysene
Concen: 15.384 ng/ul
RT: 22.092 min Scan# 3158
Delta R.T. -0.006 min
Lab File: BG057302.D
Acq: 4 May 2023 13:58

Tgt Ion:228 Resp: 111486
Ion Ratio Lower Upper
228 100
226 29.0 22.8 34.2
229 21.1 15.5 23.3

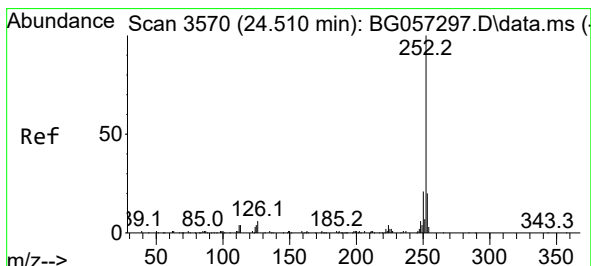
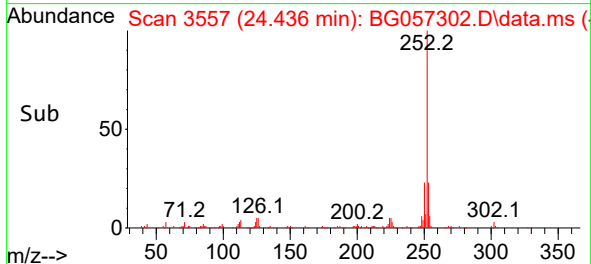
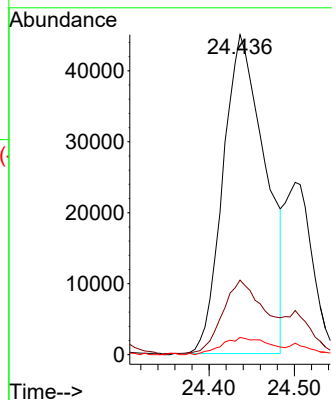
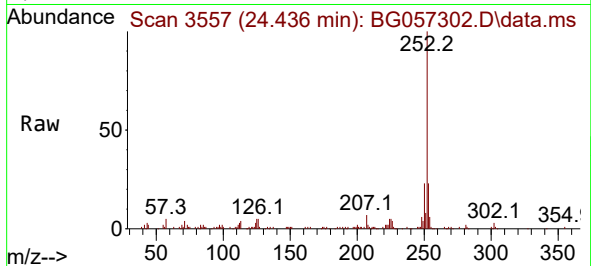




#90
Benzo(b)fluoranthene
Concen: 19.302 ng/ul
RT: 24.436 min Scan# 3557
Delta R.T. 0.000 min
Lab File: BG057302.D
Acq: 4 May 2023 13:58

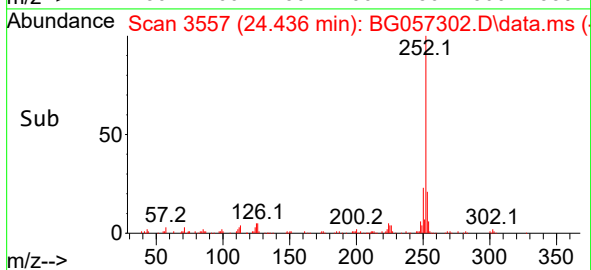
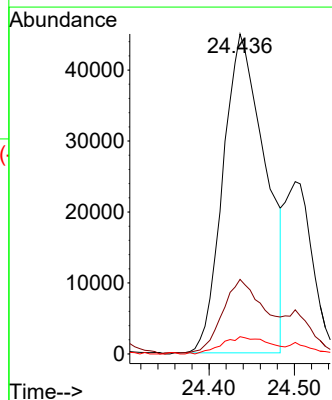
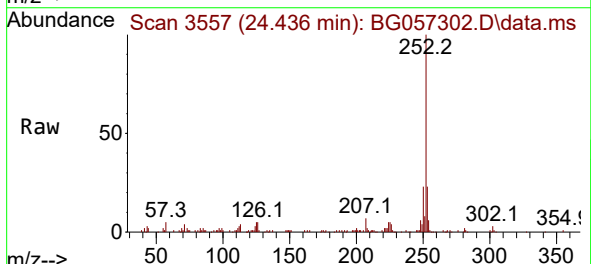
Instrument :
BNA_G
ClientSampleId :
EW936DL

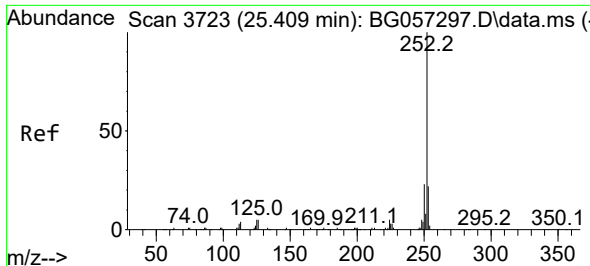
Tgt Ion:252 Resp: 154101
Ion Ratio Lower Upper
252 100
253 23.3 16.7 25.1
125 5.4 4.8 7.2



#91
Benzo(k)fluoranthene
Concen: 19.840 ng/ul
RT: 24.436 min Scan# 3557
Delta R.T. -0.076 min
Lab File: BG057302.D
Acq: 4 May 2023 13:58

Tgt Ion:252 Resp: 154101
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 5.4 4.5 6.7

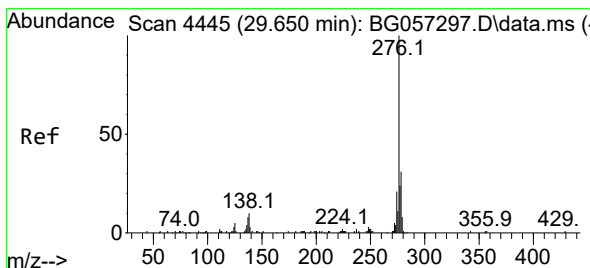
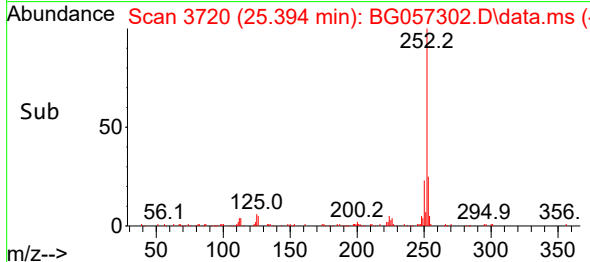
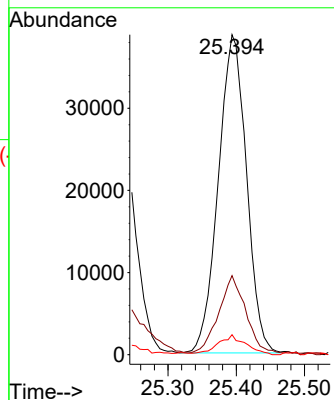
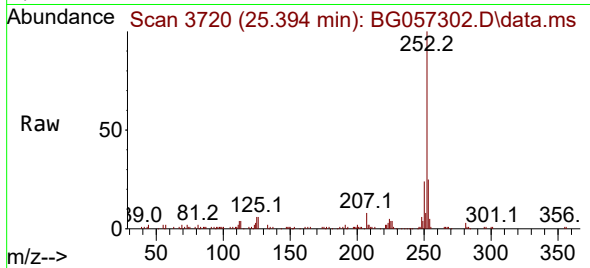




#93
Benzo(a)pyrene
Concen: 16.133 ng/ul
RT: 25.394 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BG057302.D
Acq: 4 May 2023 13:58

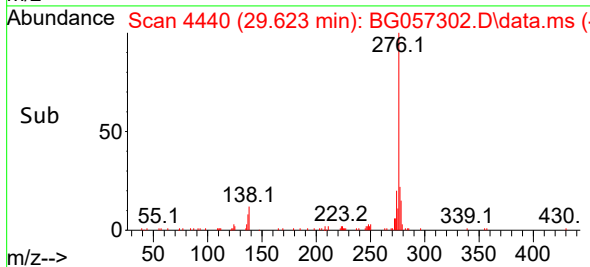
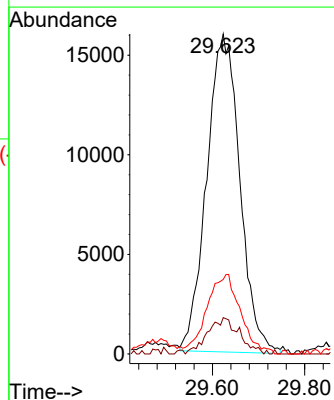
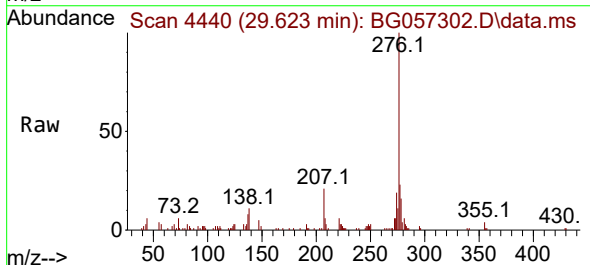
Instrument :
BNA_G
ClientSampleId :
EW936DL

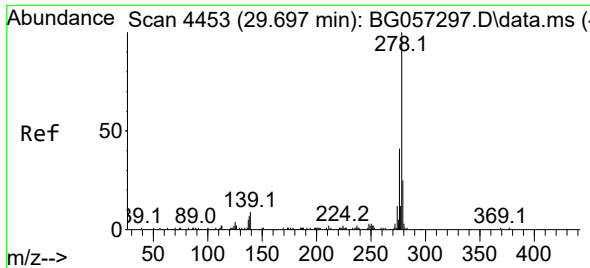
Tgt Ion:252 Resp: 111196
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 6.3 5.1 7.7



#94
Indeno(1,2,3-cd)pyrene
Concen: 9.246 ng/ul
RT: 29.623 min Scan# 4440
Delta R.T. 0.000 min
Lab File: BG057302.D
Acq: 4 May 2023 13:58

Tgt Ion:276 Resp: 79666
Ion Ratio Lower Upper
276 100
138 11.4 9.4 14.2
277 23.3 18.6 28.0

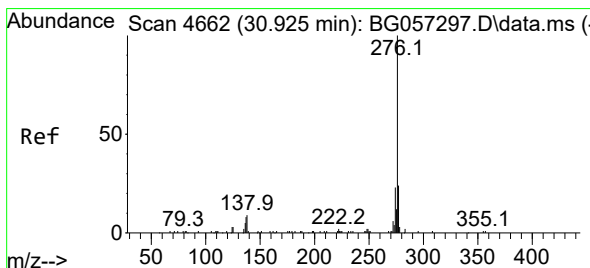
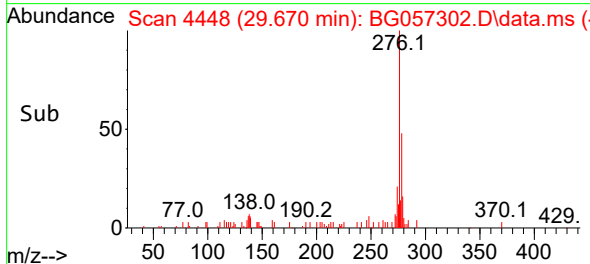
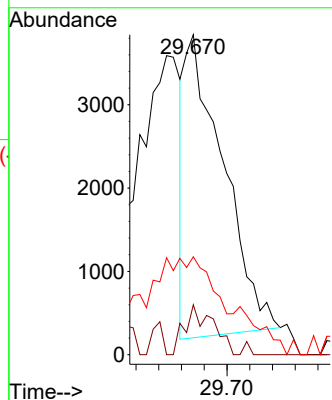
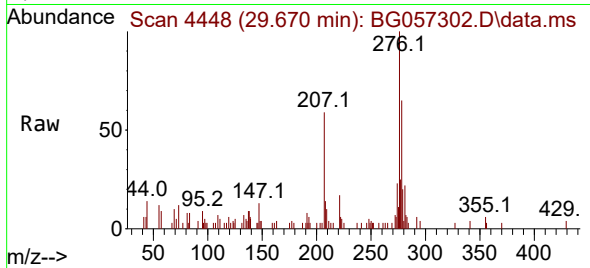




#95
 Dibenzo(a,h)anthracene
 Concen: 1.191 ng/ul
 RT: 29.670 min Scan# 4453
 Delta R.T. -0.023 min
 Lab File: BG057302.D
 Acq: 4 May 2023 13:58

Instrument :
 BNA_G
 ClientSampleId :
 EW936DL

Tgt Ion:278 Resp: 8512
 Ion Ratio Lower Upper
 278 100
 139 15.6 5.8 8.6#
 279 30.6 18.3 27.5#



#96
 Benzo(g,h,i)perylene
 Concen: 9.713 ng/ul
 RT: 30.904 min Scan# 4658
 Delta R.T. -0.006 min
 Lab File: BG057302.D
 Acq: 4 May 2023 13:58

Tgt Ion:276 Resp: 67732
 Ion Ratio Lower Upper
 276 100
 138 10.7 8.7 13.1
 277 24.1 18.4 27.6

