

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
 Data File : BG061658.D
 Acq On : 22 Jun 2024 21:14
 Operator : MA/JU
 Sample : P2776-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CA7

Quant Time: Jun 23 00:17:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

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

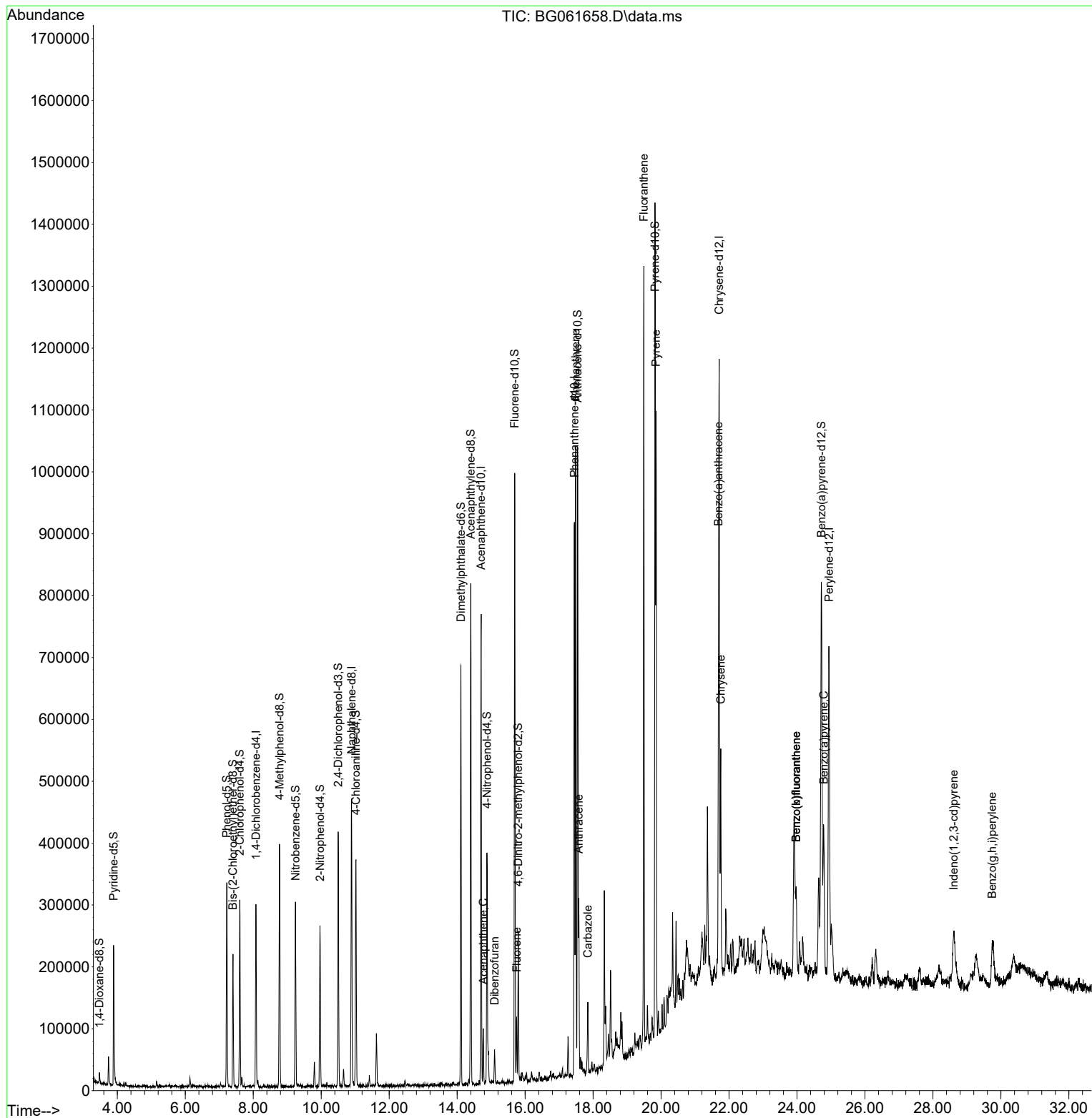
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.077	152	74896	20.000	ng/ul	0.00
20) Naphthalene-d8	10.891	136	363620	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.704	164	254538	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.448	188	565259	20.000	ng/ul	0.00
79) Chrysene-d12	21.708	240	485400	20.000	ng/ul	0.00
88) Perylene-d12	24.939	264	591500	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.470	96	8078	3.896	ng/uL	0.00
4) Pyridine-d5	3.888	84	114265	18.229	ng/ul	0.00
7) Phenol-d5	7.219	99	173075	21.287	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.401	67	99923	19.715	ng/ul	0.00
11) 2-Chlorophenol-d4	7.601	132	118894	21.309	ng/ul	0.00
15) 4-Methylphenol-d8	8.770	113	134055	21.328	ng/ul	0.00
21) Nitrobenzene-d5	9.246	128	62449	25.294	ng/ul	0.01
24) 2-Nitrophenol-d4	9.963	143	68953	27.575	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	135143	22.824	ng/ul	0.00
31) 4-Chloroaniline-d4	11.020	131	179124	19.981	ng/ul	0.00
46) Dimethylphthalate-d6	14.111	166	432474	22.079	ng/ul	0.00
49) Acenaphthylene-d8	14.399	160	511627	23.834	ng/ul	0.00
54) 4-Nitrophenol-d4	14.875	143	71695	21.312	ng/ul	0.00
60) Fluorene-d10	15.691	176	387832	22.617	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.797	200	42506	17.586	ng/ul	0.00
73) Anthracene-d10	17.542	188	596297	23.111	ng/ul	0.00
81) Pyrene-d10	19.822	212	664706	24.516	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.716	264	678067	24.002	ng/ul	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.769	153	36457	2.197	ng/ul	97
56) Dibenzofuran	15.098	168	27249	1.173	ng/ul	89
61) Fluorene	15.750	166	43118	2.244	ng/ul	99
72) Phenanthrene	17.489	178	635339	21.365	ng/ul	98
74) Anthracene	17.577	178	171843	5.651	ng/ul	99
77) Carbazole	17.842	167	69786	2.703	ng/ul	96
80) Fluoranthene	19.493	202	756684	24.053	ng/ul	98
82) Pyrene	19.851	202	622511	18.610	ng/ul	99
85) Benzo(a)anthracene	21.690	228	279696	8.209	ng/ul	100
87) Chrysene	21.755	228	241689	7.496	ng/ul	99
90) Benzo(b)fluoranthene	23.976	252	94592	2.660	ng/ul	97
91) Benzo(k)fluoranthene	23.976	252	93043	2.544	ng/ul#	97
93) Benzo(a)pyrene	24.787	252	262641	7.672	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.612	276	155450	3.644	ng/ul	100
96) Benzo(g,h,i)perylene	29.740	276	57327	1.667	ng/ul	95

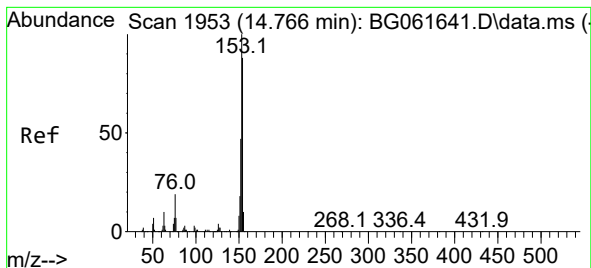
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#52

Acenaphthene

Concen: 2.197 ng/ul

RT: 14.769 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

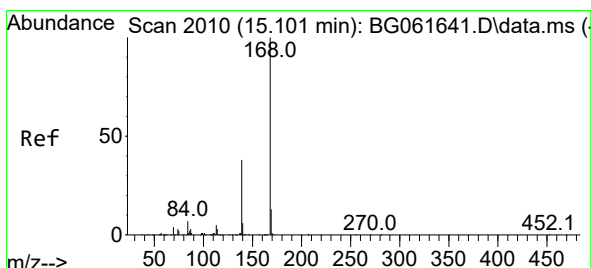
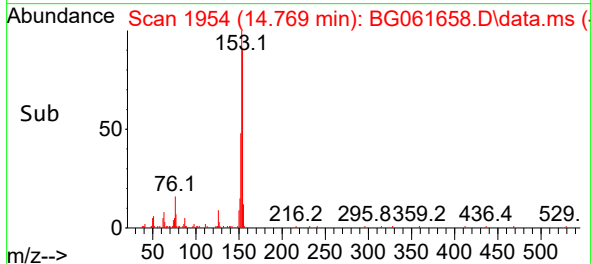
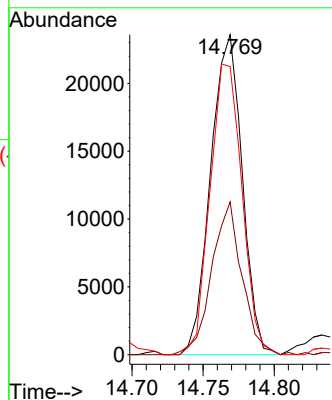
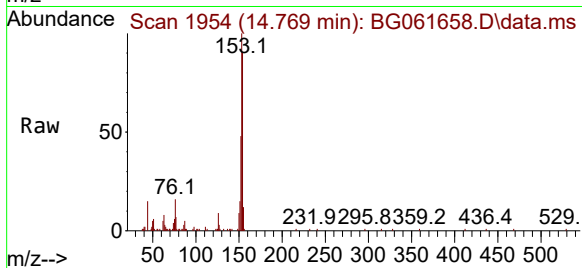
Tgt Ion:153 Resp: 36457

Ion Ratio Lower Upper

153 100

152 47.7 40.0 60.0

154 90.0 74.1 111.1



#56

Dibenzofuran

Concen: 1.173 ng/ul

RT: 15.098 min Scan# 2010

Delta R.T. -0.005 min

Lab File: BG061658.D

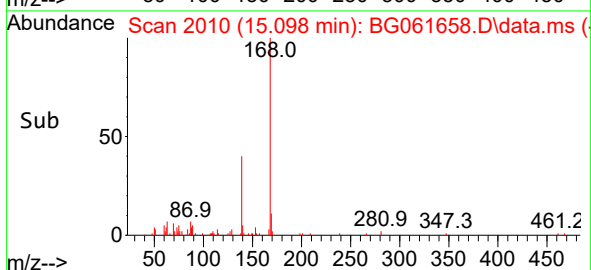
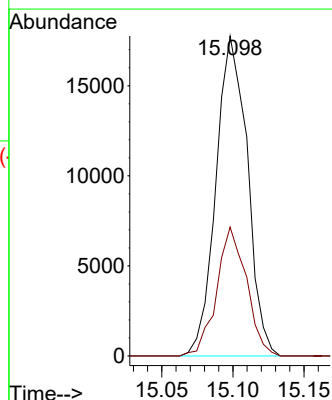
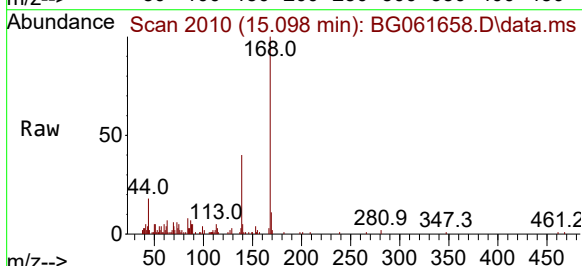
Acq: 22 Jun 2024 21:14

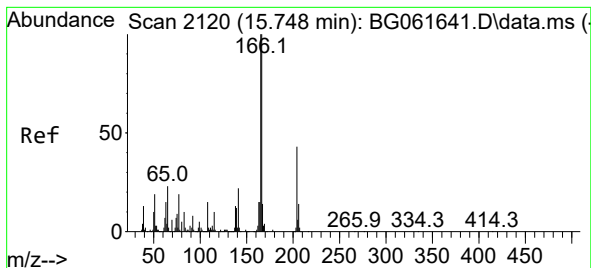
Tgt Ion:168 Resp: 27249

Ion Ratio Lower Upper

168 100

139 40.2 27.0 40.4





#61

Fluorene

Concen: 2.244 ng/ul

RT: 15.750 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

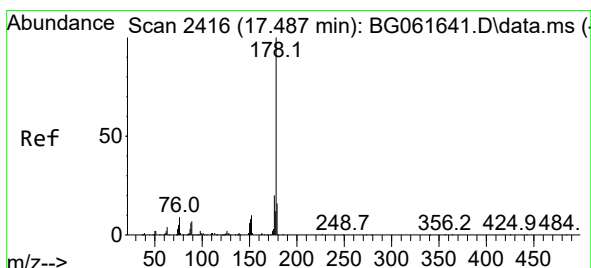
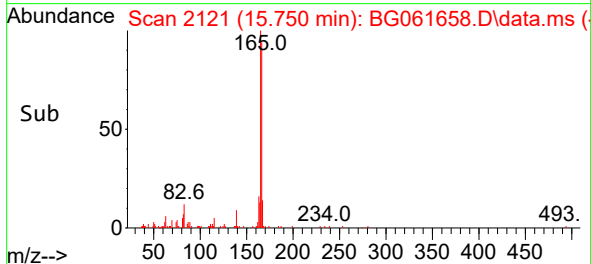
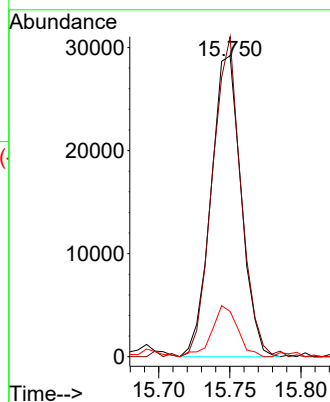
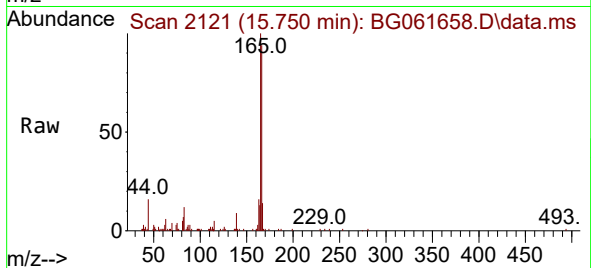
Tgt Ion:166 Resp: 43118

Ion Ratio Lower Upper

166 100

165 106.3 84.9 127.3

167 15.1 10.9 16.3



#72

Phenanthrene

Concen: 21.365 ng/ul

RT: 17.489 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

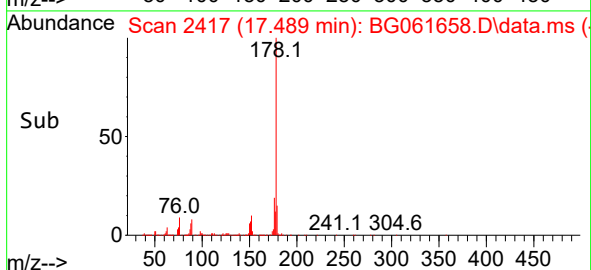
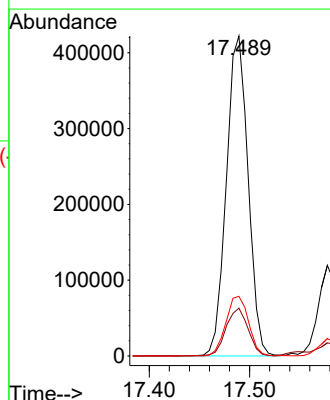
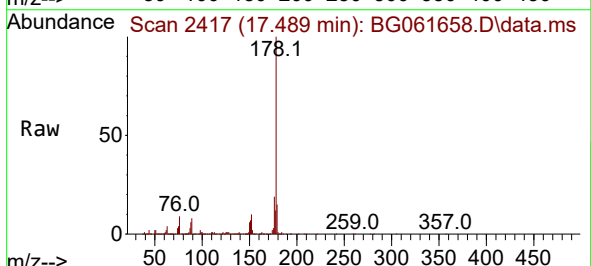
Tgt Ion:178 Resp: 635339

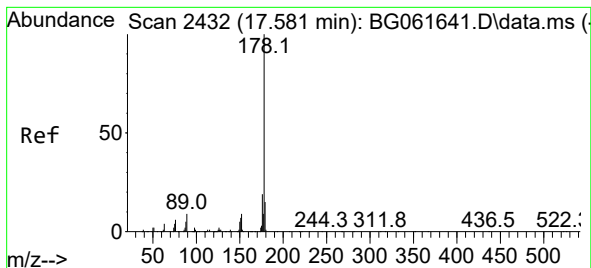
Ion Ratio Lower Upper

178 100

179 15.0 12.0 18.0

176 18.6 16.2 24.2





#74

Anthracene

Concen: 5.651 ng/ul

RT: 17.577 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

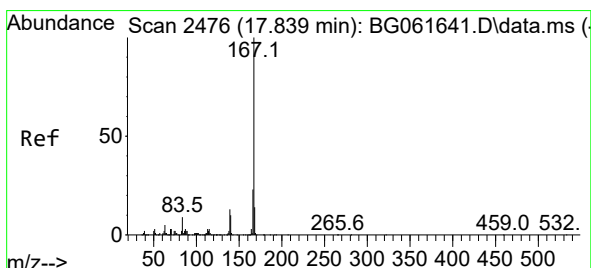
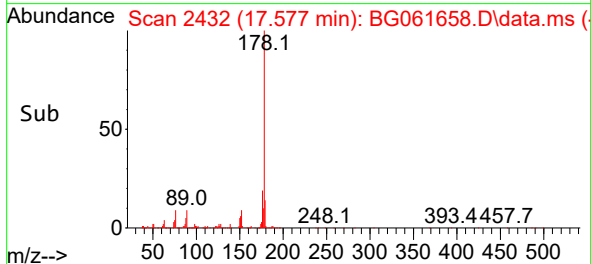
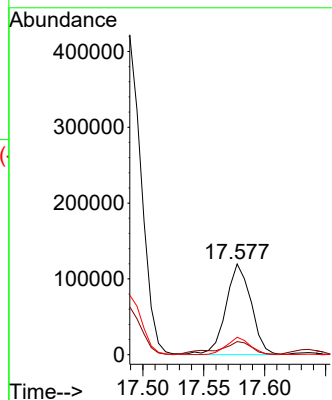
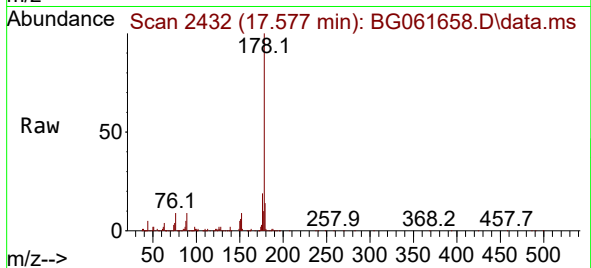
Tgt Ion:178 Resp: 171843

Ion Ratio Lower Upper

178 100

179 14.4 11.4 17.2

176 19.2 14.7 22.1



#77

Carbazole

Concen: 2.703 ng/ul

RT: 17.842 min Scan# 2477

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

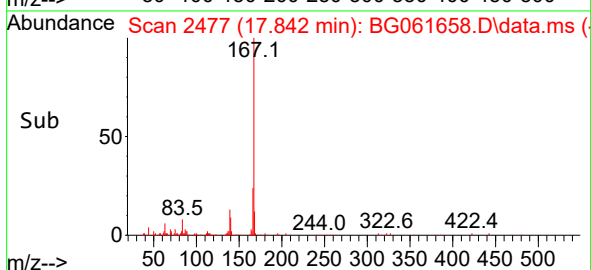
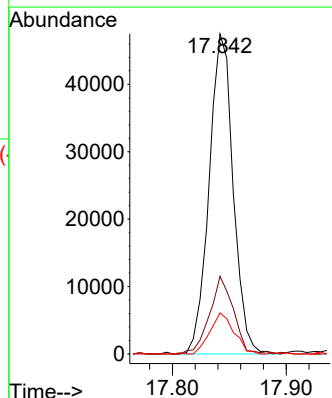
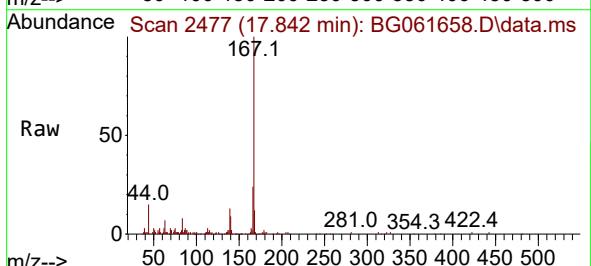
Tgt Ion:167 Resp: 69786

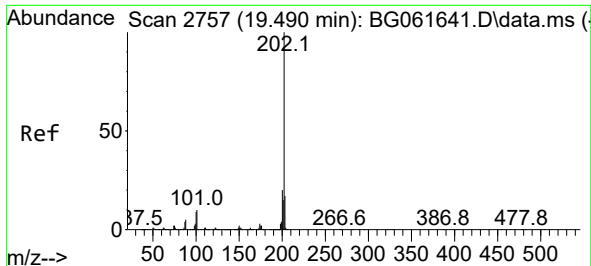
Ion Ratio Lower Upper

167 100

166 24.2 17.5 26.3

139 12.9 9.4 14.2

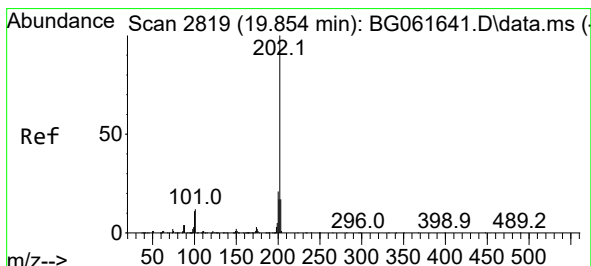
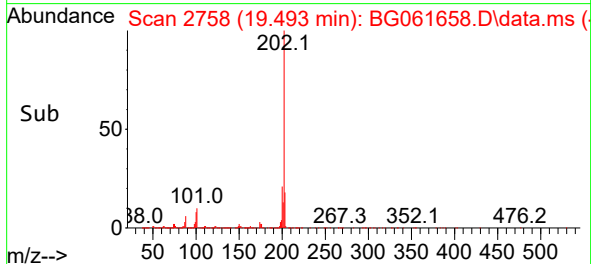
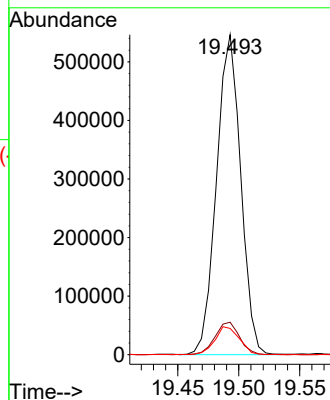
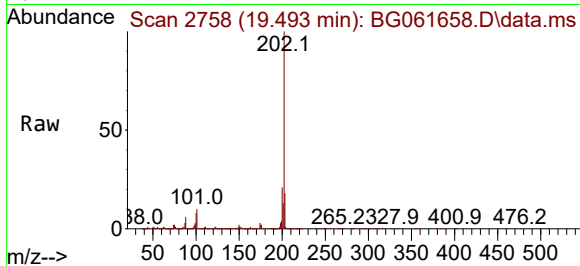




#80
Fluoranthene
Concen: 24.053 ng/ul
RT: 19.493 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

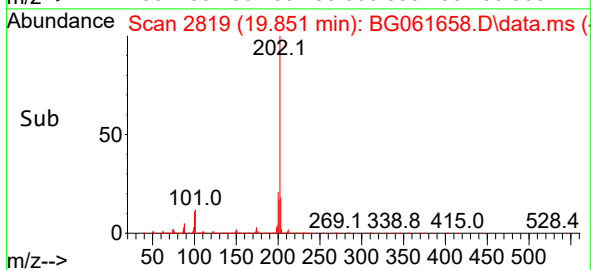
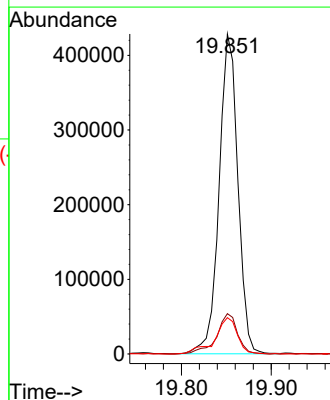
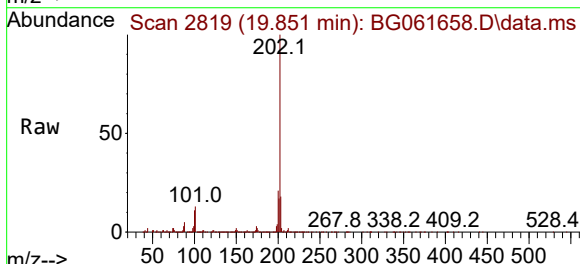
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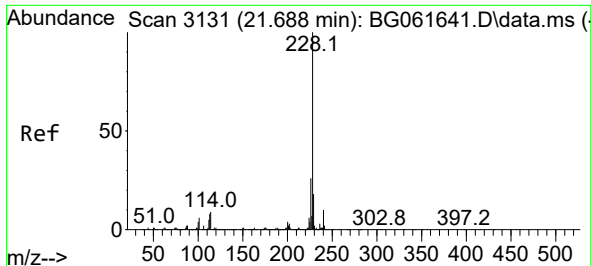
Tgt Ion:202 Resp: 756684
Ion Ratio Lower Upper
202 100
101 10.1 7.8 11.6
100 8.2 7.7 11.5



#82
Pyrene
Concen: 18.610 ng/ul
RT: 19.851 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

Tgt Ion:202 Resp: 622511
Ion Ratio Lower Upper
202 100
101 12.6 10.1 15.1
100 11.4 9.9 14.9

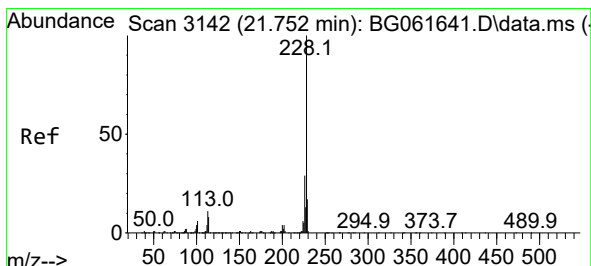
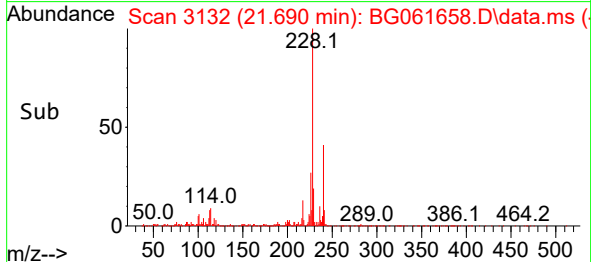
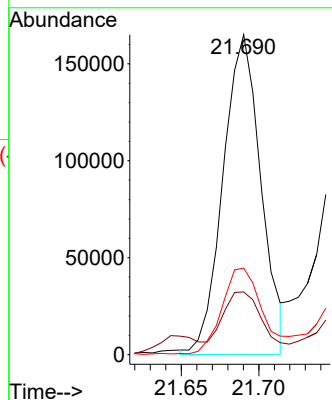
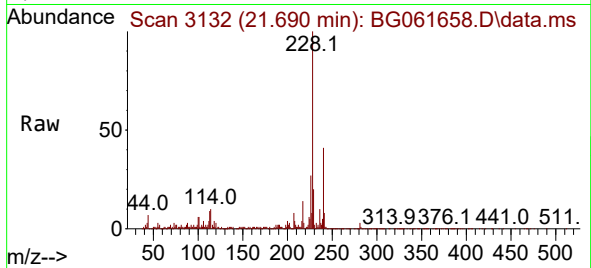




#85
Benzo(a)anthracene
Concen: 8.209 ng/ul
RT: 21.690 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

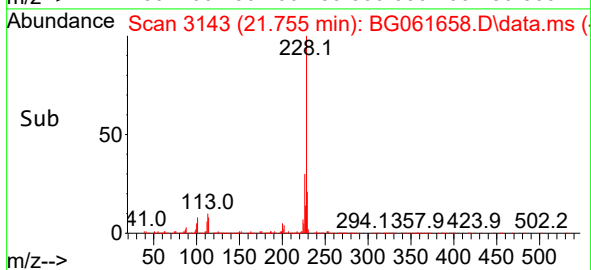
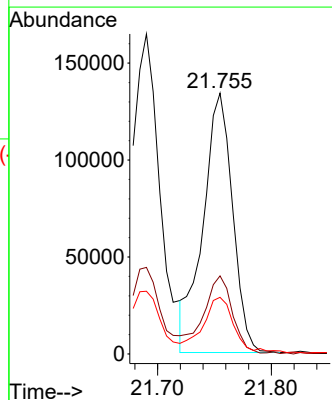
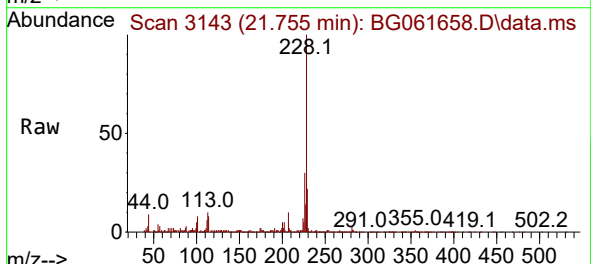
Instrument :
BNA_G
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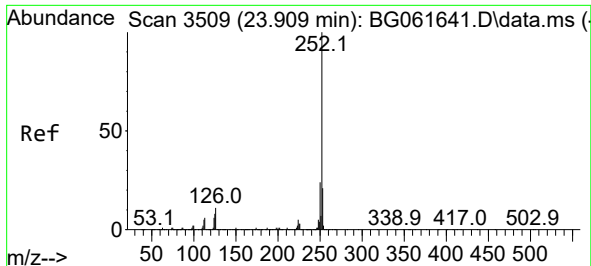
Tgt Ion:228 Resp: 279696
Ion Ratio Lower Upper
228 100
229 19.6 15.8 23.8
226 27.0 21.4 32.2



#87
Chrysene
Concen: 7.496 ng/ul
RT: 21.755 min Scan# 3143
Delta R.T. -0.005 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

Tgt Ion:228 Resp: 241689
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 21.7 16.5 24.7

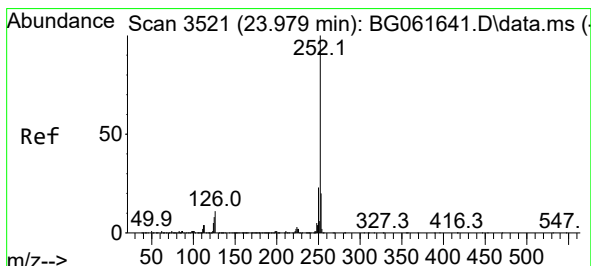
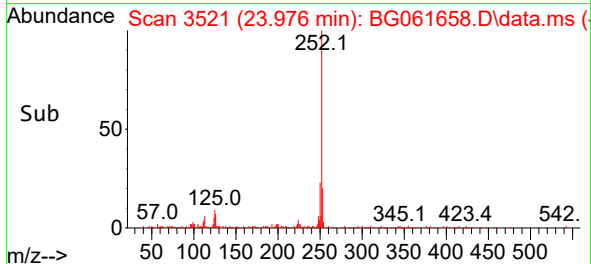
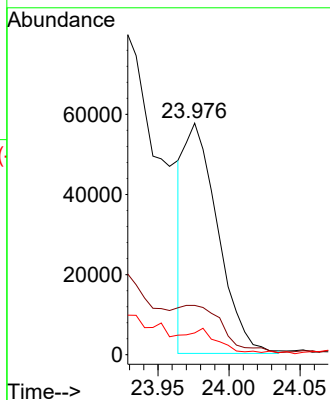
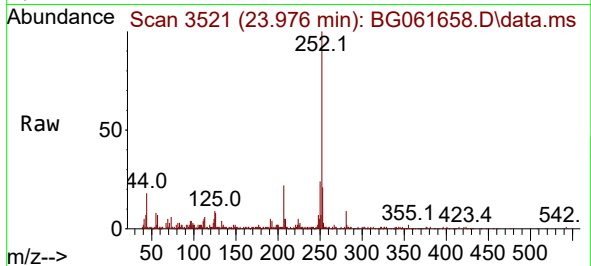




#90
Benzo(b)fluoranthene
Concen: 2.660 ng/ul
RT: 23.976 min Scan# 3521
Delta R.T. 0.059 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

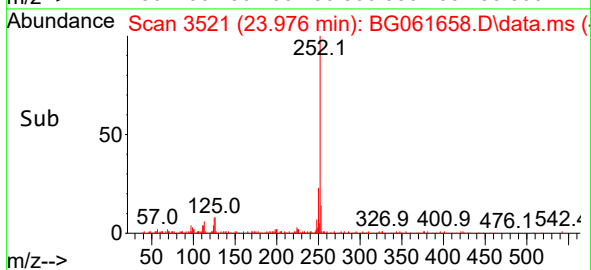
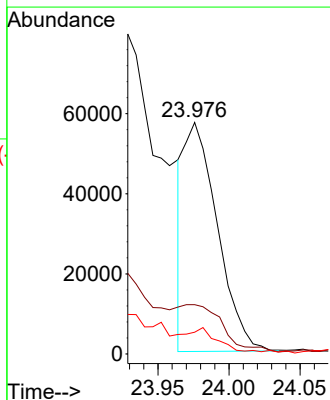
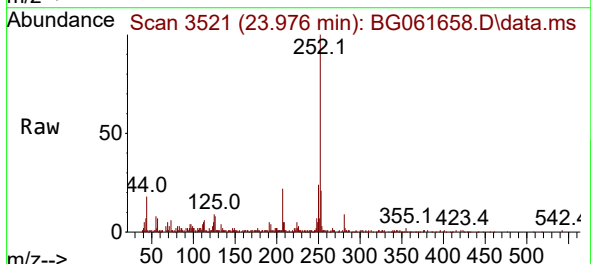
Instrument :
BNA_G
ClientSampleId :
A4CA7

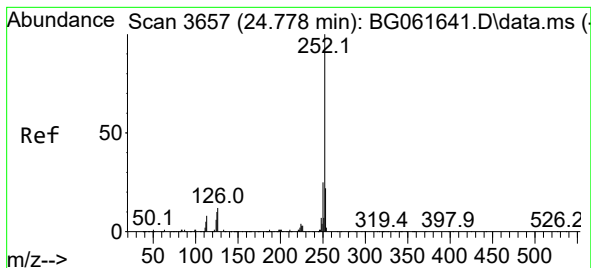
Tgt Ion:252 Resp: 94592
Ion Ratio Lower Upper
252 100
253 21.3 18.6 27.8
125 9.4 7.0 10.6



#91
Benzo(k)fluoranthene
Concen: 2.544 ng/ul
RT: 23.976 min Scan# 3521
Delta R.T. -0.005 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

Tgt Ion:252 Resp: 93043
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 9.4 6.2 9.2#





#93

Benzo(a)pyrene

Concen: 7.672 ng/ul

RT: 24.787 min Scan# 3

Delta R.T. -0.005 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

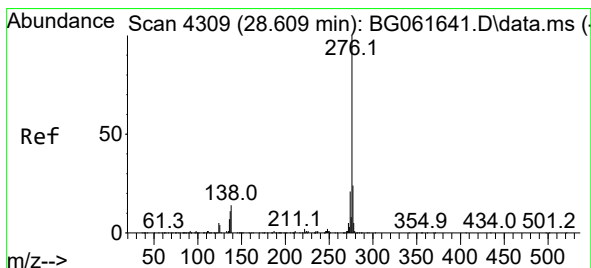
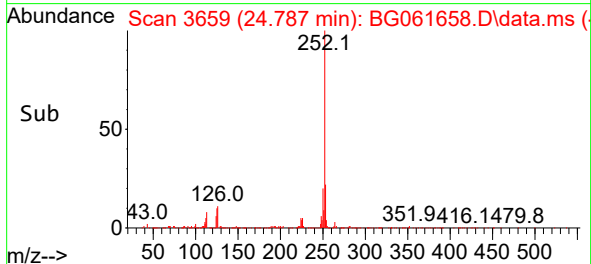
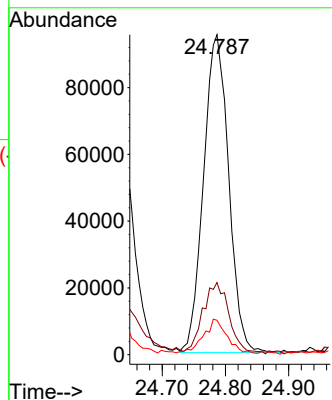
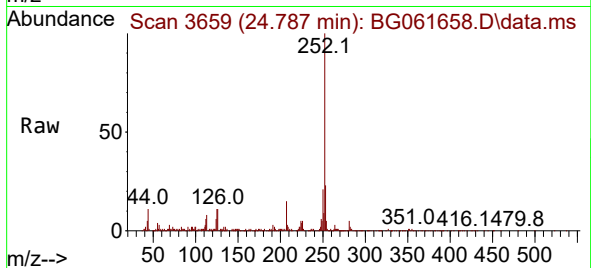
Tgt Ion:252 Resp: 262641

Ion Ratio Lower Upper

252 100

253 22.6 16.8 25.2

125 10.8 6.5 9.7#



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.644 ng/ul

RT: 28.612 min Scan# 4310

Delta R.T. -0.005 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

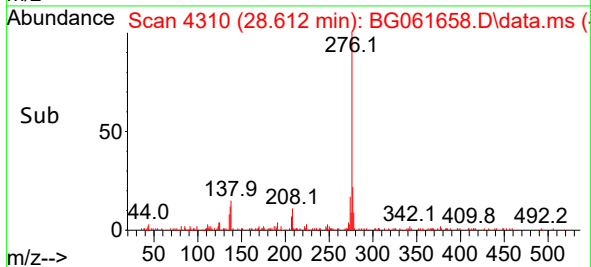
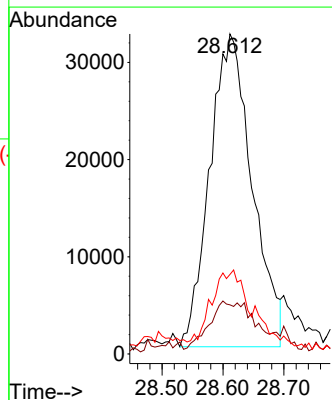
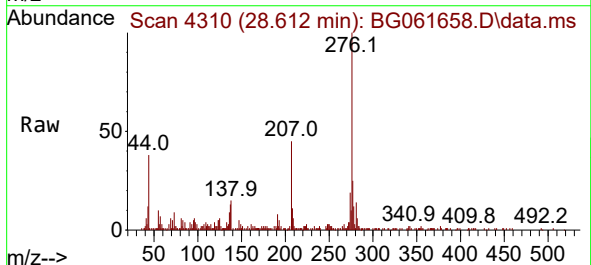
Tgt Ion:276 Resp: 155450

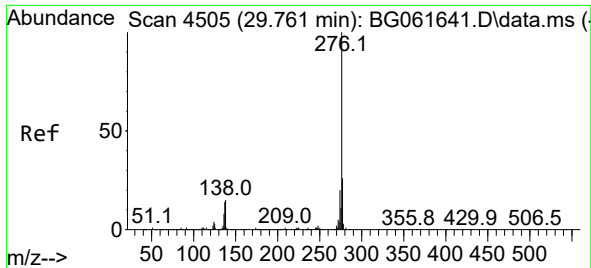
Ion Ratio Lower Upper

276 100

138 15.3 12.2 18.4

277 24.9 19.7 29.5





#96
 Benzo(g,h,i)perylene
 Concen: 1.667 ng/ul
 RT: 29.740 min Scan# 4
 Delta R.T. -0.017 min
 Lab File: BG061658.D
 Acq: 22 Jun 2024 21:14

Instrument :
 BNA_G
 ClientSampleId :
 A4CA7

Tgt Ion:	276	Resp:	57327
Ion	Ratio	Lower	Upper
276	100		
138	17.9	12.2	18.4
277	25.0	18.6	27.8

