

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057981.D
 Acq On : 4 Jul 2023 9:50
 Operator : CG/JU
 Sample : 03247-14
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCGM0

Quant Time: Jul 05 00:11:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 04 05:09:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	51444	20.000	ng/ul	0.00
20) Naphthalene-d8	10.744	136	233638	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.574	164	152088	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.318	188	322503	20.000	ng/ul	0.00
79) Chrysene-d12	21.572	240	256692	20.000	ng/ul	0.00
88) Perylene-d12	24.739	264	317617	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	4407	3.000	ng/uL	0.00
4) Pyridine-d5	3.793	84	3265	0.732	ng/ul	0.00
7) Phenol-d5	7.107	99	103175	19.638	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.265	67	63227	19.970	ng/ul	0.00
11) 2-Chlorophenol-d4	7.471	132	79274	21.878	ng/ul	0.00
15) 4-Methylphenol-d8	8.646	113	68242	17.215	ng/ul	0.00
21) Nitrobenzene-d5	9.104	128	40139	21.079	ng/ul	0.00
24) 2-Nitrophenol-d4	9.827	143	44122	22.046	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.362	165	79745	20.771	ng/ul	0.00
31) 4-Chloroaniline-d4	10.879	131	50665	8.704	ng/ul	0.00
46) Dimethylphthalate-d6	13.975	166	252177	21.015	ng/ul	0.00
49) Acenaphthylene-d8	14.269	160	294611	22.498	ng/ul	0.00
54) 4-Nitrophenol-d4	14.774	143	29608	13.965	ng/ul	0.00
60) Fluorene-d10	15.561	176	220629	21.649	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.685	200	25172	14.374	ng/ul	0.00
73) Anthracene-d10	17.412	188	325295	21.737	ng/ul	0.00
81) Pyrene-d10	19.704	212	370119	22.894	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.527	264	373510	23.082	ng/ul	0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.763	105	9925	1.509	ng/ul	98
30) Naphthalene	10.796	128	35159	2.678	ng/ul#	92
36) 2-Methylnaphthalene	12.400	142	13193	1.491	ng/ul	98
37) 1-Methylnaphthalene	12.618	142	12507	1.409	ng/ul	97
52) Acenaphthene	14.639	153	10496	1.082	ng/ul	96
61) Fluorene	15.620	166	17246	1.524	ng/ul	99
72) Phenanthrene	17.359	178	347112	21.159	ng/ul	99
74) Anthracene	17.447	178	46569	2.805	ng/ul	96
77) Carbazole	17.718	167	24000	1.599	ng/ul#	96
80) Fluoranthene	19.369	202	601976	32.135	ng/ul	99
82) Pyrene	19.733	202	584095	30.976	ng/ul	99
83) Butylbenzylphthalate	20.614	149	8646	1.131	ng/ul	93
85) Benzo(a)anthracene	21.554	228	323633	17.559	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.454	149	45409	4.144	ng/ul	98
87) Chrysene	21.619	228	340656	19.717	ng/ul	95
90) Benzo(b)fluoranthene	23.734	252	484637	24.643	ng/ul	98
91) Benzo(k)fluoranthene	23.734	252	484637	25.142	ng/ul	97
93) Benzo(a)pyrene	24.598	252	325201	18.683	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.352	276	224362	9.707	ng/ul	98
95) Dibenzo(a,h)anthracene	28.399	278	53369	2.800	ng/ul#	89
96) Benzo(g,h,i)perylene	29.486	276	192429	10.192	ng/ul	98

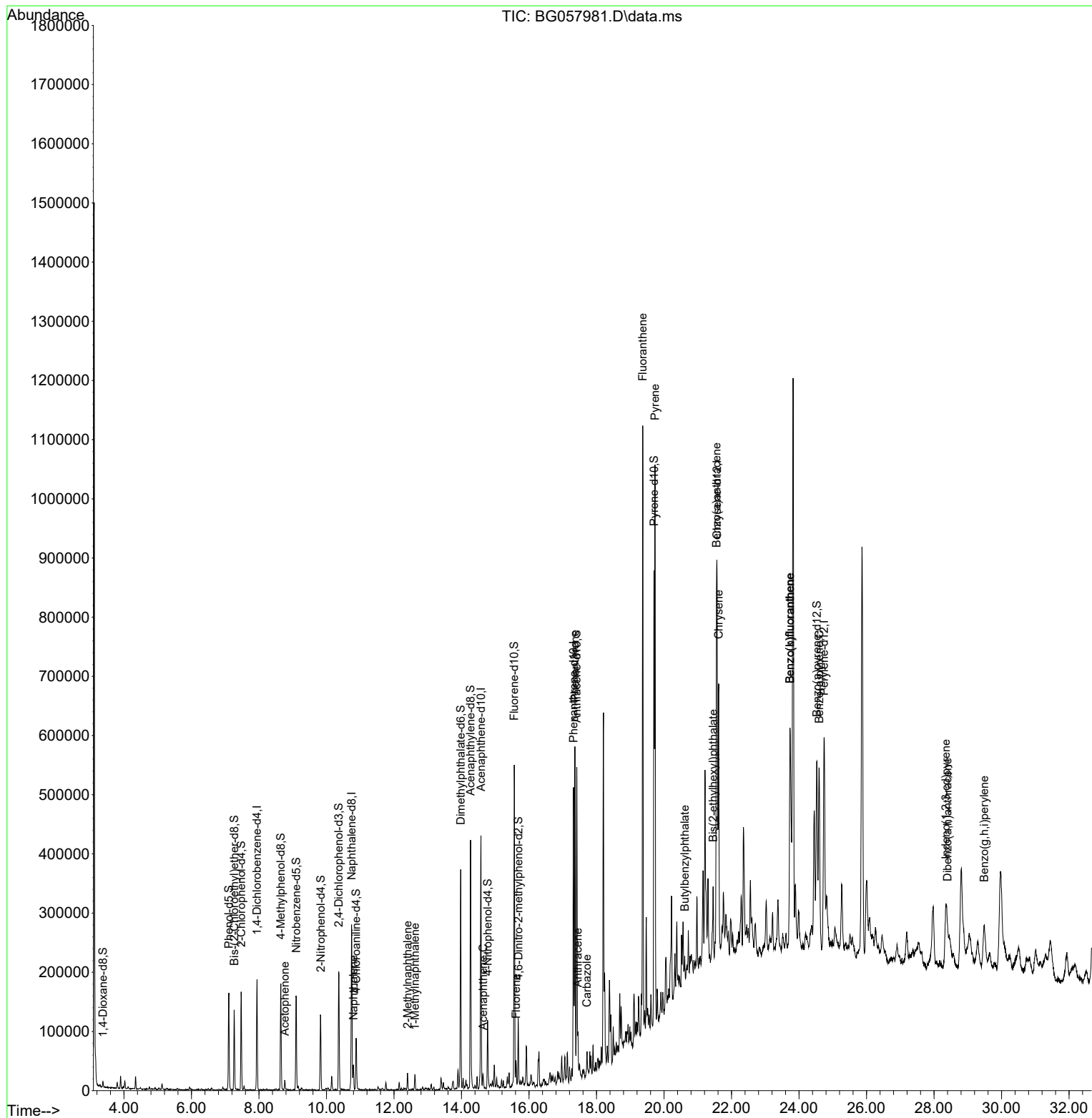
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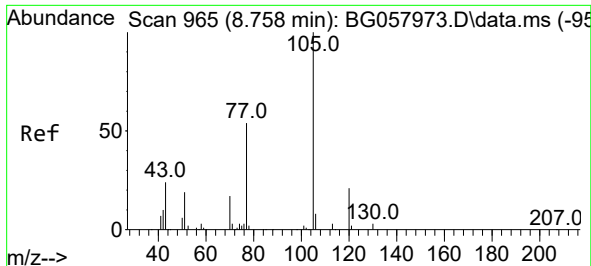
Instrument :
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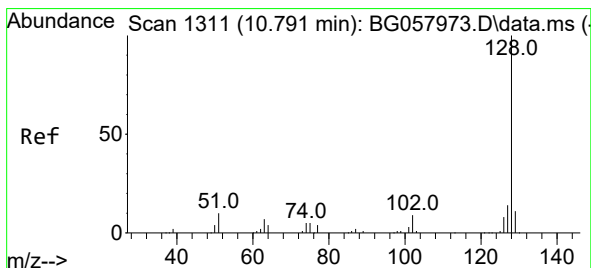
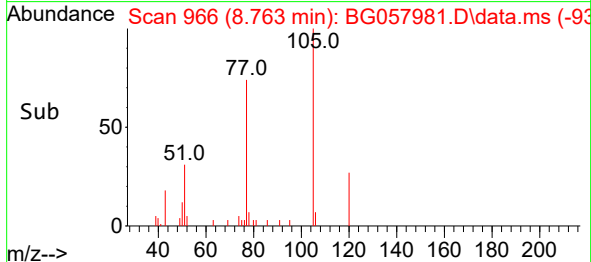
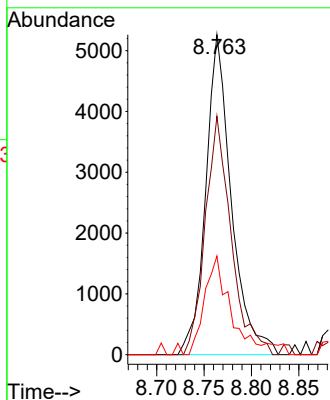
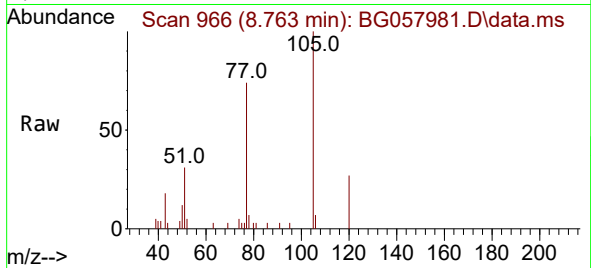




#16
Acetophenone
Concen: 1.509 ng/ul
RT: 8.763 min Scan# 90
Delta R.T. 0.006 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

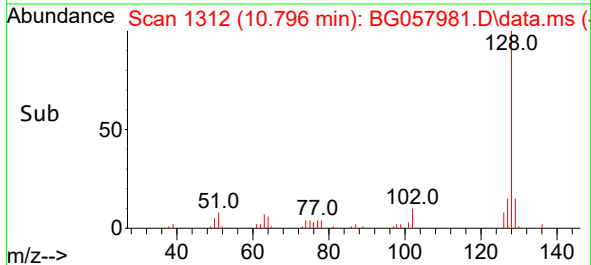
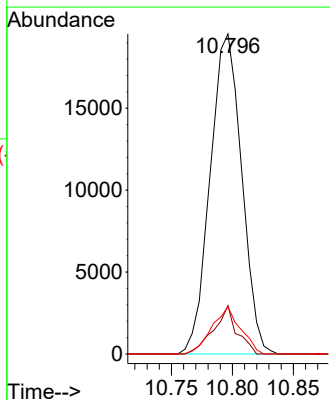
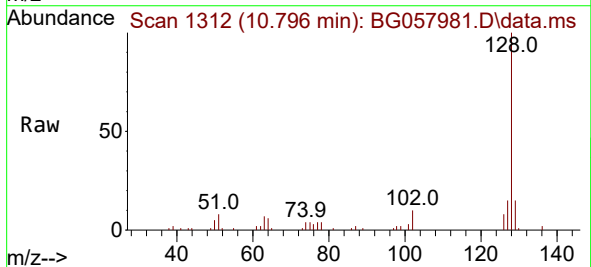
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BNA_G
ClientSampleId :
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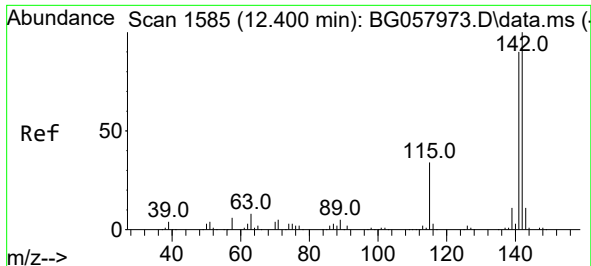
Tgt Ion	Ratio	Lower	Upper
105	100		
77	74.5	61.2	91.8
51	30.8	23.5	35.3



#30
Naphthalene
Concen: 2.678 ng/ul
RT: 10.796 min Scan# 1312
Delta R.T. 0.006 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.1	8.6	12.8#
127	14.9	10.2	15.2

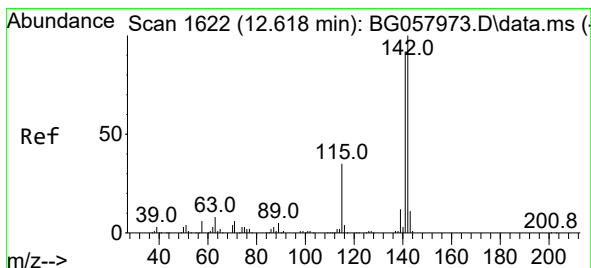
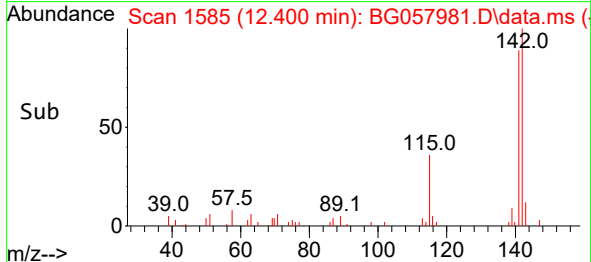
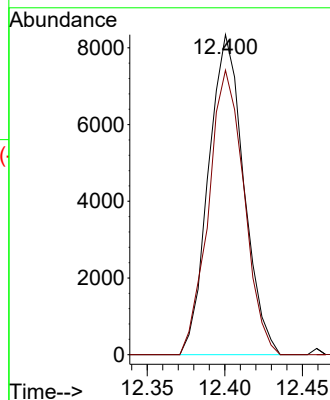
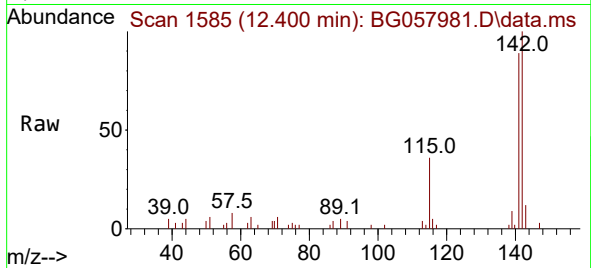




#36
2-Methylnaphthalene
Concen: 1.491 ng/ul
RT: 12.400 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

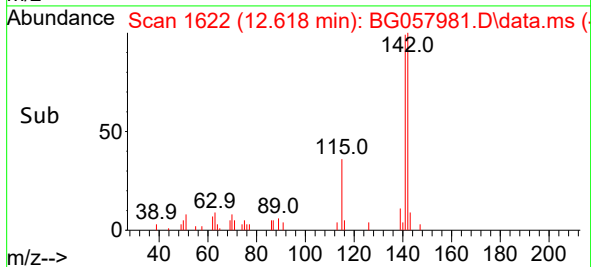
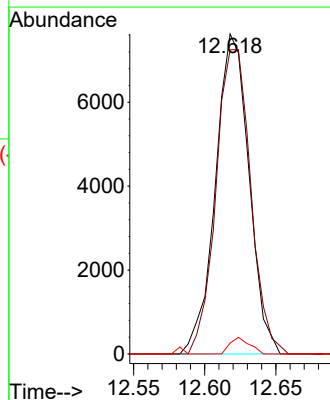
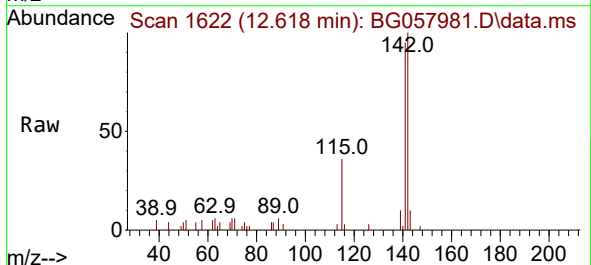
Instrument :
BNA_G
ClientSampleId :
DCGM0

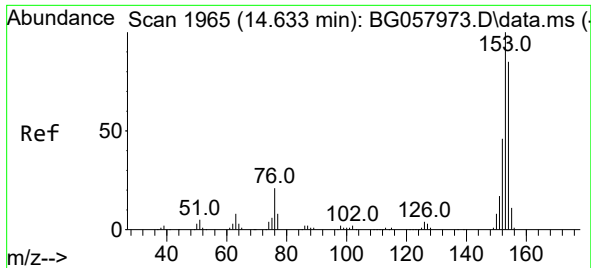
Tgt Ion:142 Resp: 13193
Ion Ratio Lower Upper
142 100
141 88.9 69.4 104.2



#37
1-Methylnaphthalene
Concen: 1.409 ng/ul
RT: 12.618 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

Tgt Ion:142 Resp: 12507
Ion Ratio Lower Upper
142 100
141 95.1 73.8 110.8
116 3.4 3.0 4.4

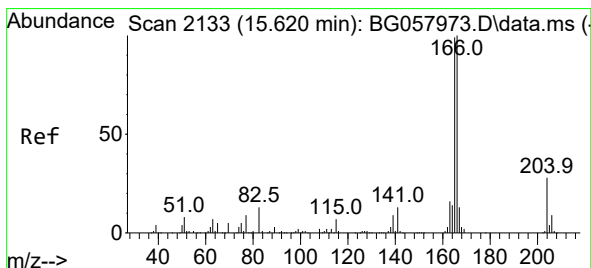
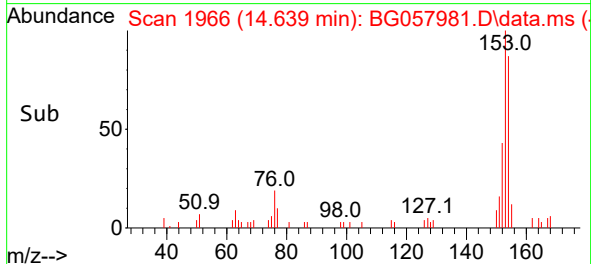
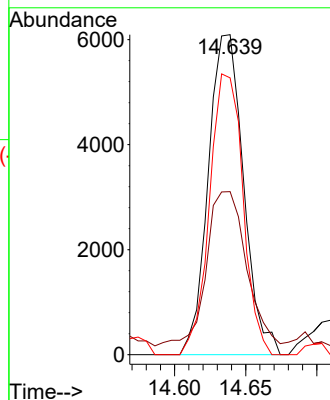
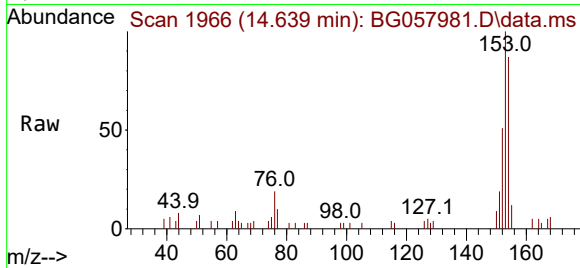




#52
Acenaphthene
Concen: 1.082 ng/ul
RT: 14.639 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

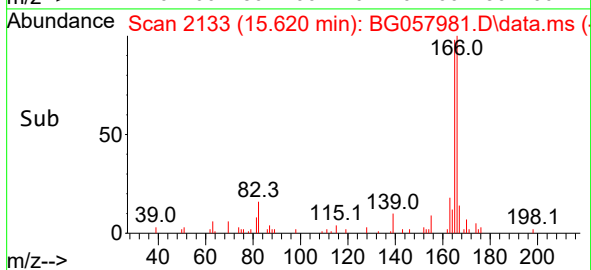
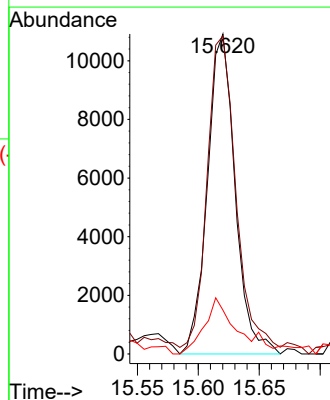
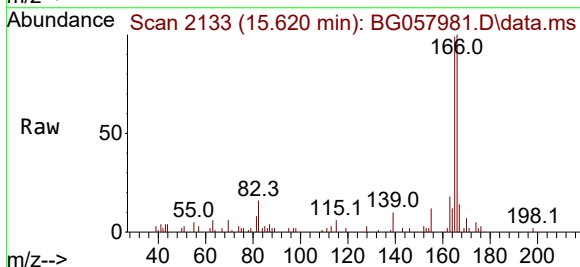
Instrument :
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ClientSampleId :
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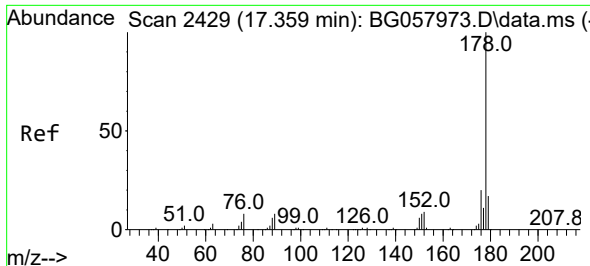
Tgt Ion:153 Resp: 10496
Ion Ratio Lower Upper
153 100
152 50.9 36.5 54.7
154 86.5 70.5 105.7



#61
Fluorene
Concen: 1.524 ng/ul
RT: 15.620 min Scan# 2133
Delta R.T. -0.000 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

Tgt Ion:166 Resp: 17246
Ion Ratio Lower Upper
166 100
165 99.4 79.1 118.7
167 13.7 10.7 16.1

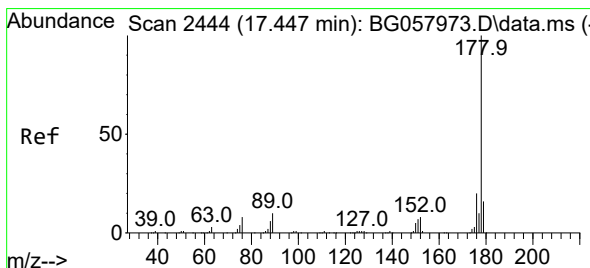
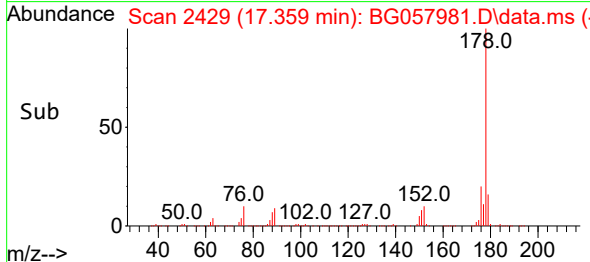
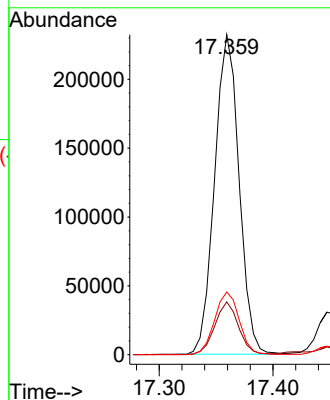
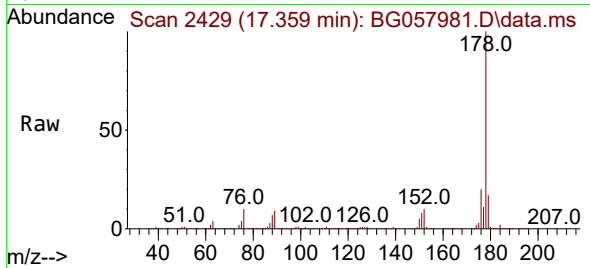




#72
Phenanthrene
Concen: 21.159 ng/ul
RT: 17.359 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

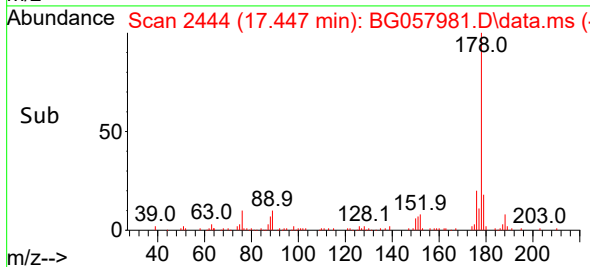
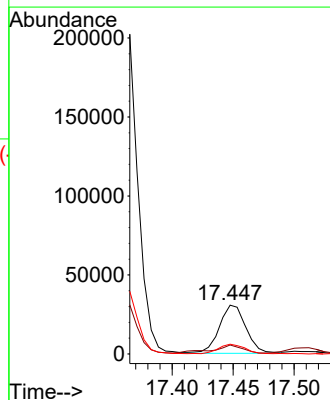
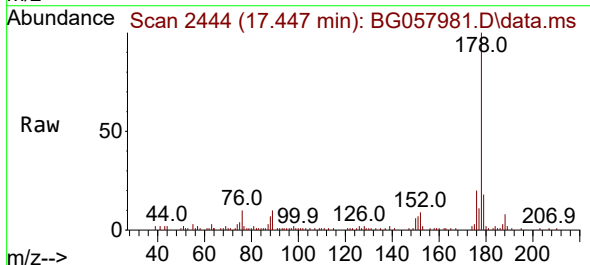
Instrument :
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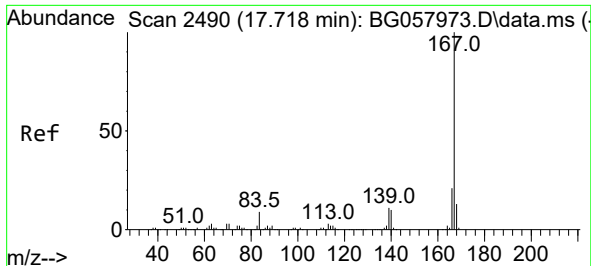
Tgt Ion:178 Resp: 347112
Ion Ratio Lower Upper
178 100
179 16.5 12.8 19.2
176 19.6 15.7 23.5



#74
Anthracene
Concen: 2.805 ng/ul
RT: 17.447 min Scan# 2444
Delta R.T. -0.000 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

Tgt Ion:178 Resp: 46569
Ion Ratio Lower Upper
178 100
179 18.4 12.6 18.8
176 19.9 15.4 23.2

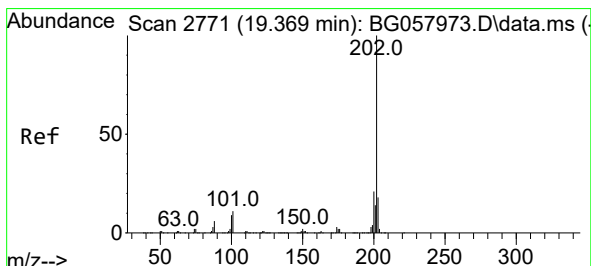
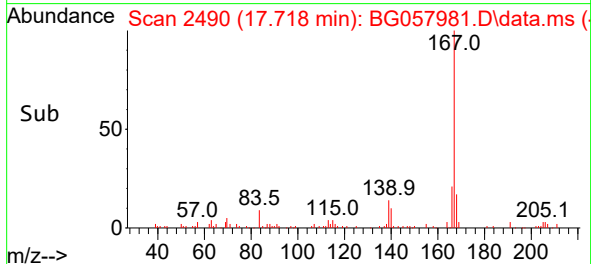
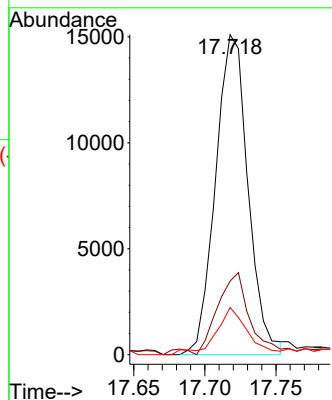
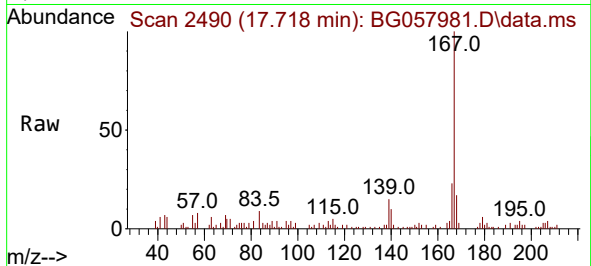




#77
 Carbazole
 Concen: 1.599 ng/ul
 RT: 17.718 min Scan# 2490
 Delta R.T. -0.000 min
 Lab File: BG057981.D
 Acq: 4 Jul 2023 9:50

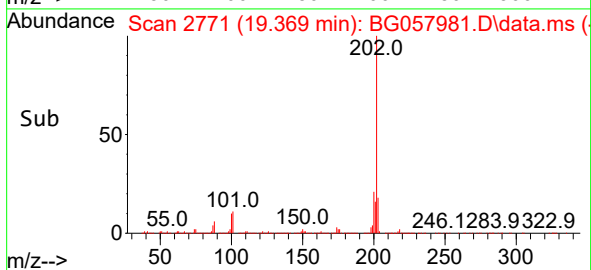
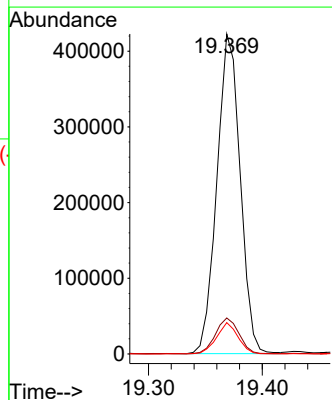
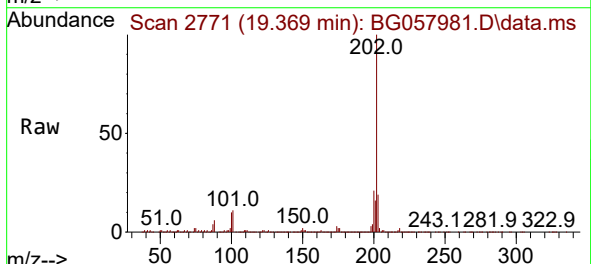
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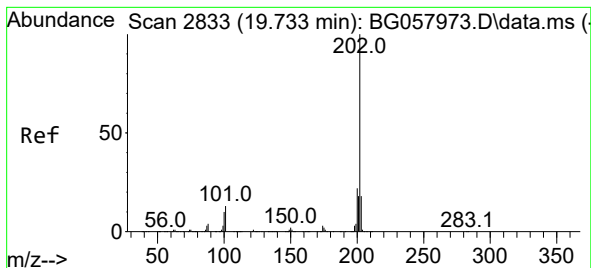
Tgt Ion:167 Resp: 24000
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.5 26.3
 139 14.7 9.5 14.3#



#80
 Fluoranthene
 Concen: 32.135 ng/ul
 RT: 19.369 min Scan# 2771
 Delta R.T. -0.000 min
 Lab File: BG057981.D
 Acq: 4 Jul 2023 9:50

Tgt Ion:202 Resp: 601976
 Ion Ratio Lower Upper
 202 100
 101 11.3 9.1 13.7
 100 9.8 7.1 10.7





#82

Pyrene

Concen: 30.976 ng/ul

RT: 19.733 min Scan# 2

Delta R.T. -0.000 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

Instrument :

BNA_G

ClientSampleId :

DCGM0

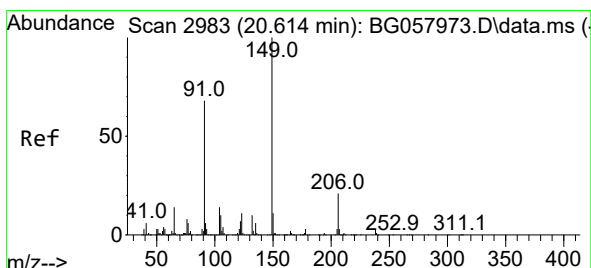
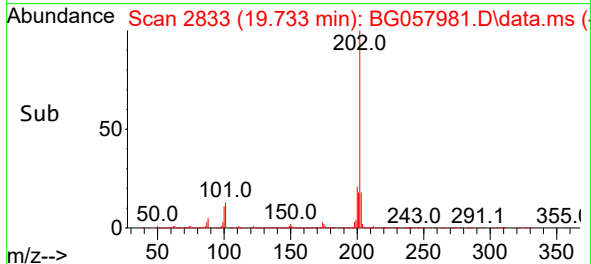
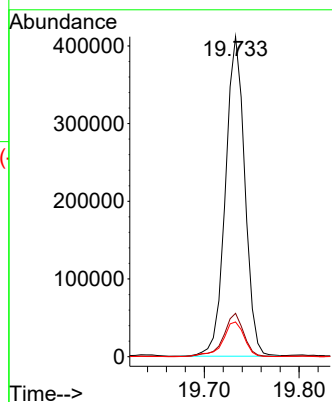
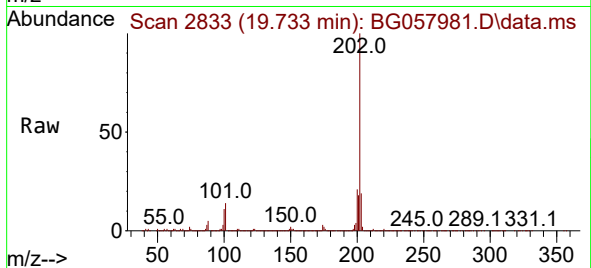
Tgt Ion:202 Resp: 584095

Ion Ratio Lower Upper

202 100

101 13.5 10.2 15.2

100 10.9 8.9 13.3



#83

Butylbenzylphthalate

Concen: 1.131 ng/ul

RT: 20.614 min Scan# 2983

Delta R.T. -0.000 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

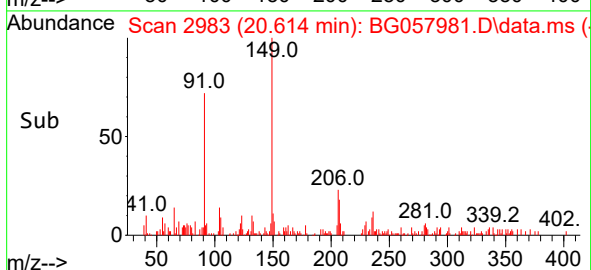
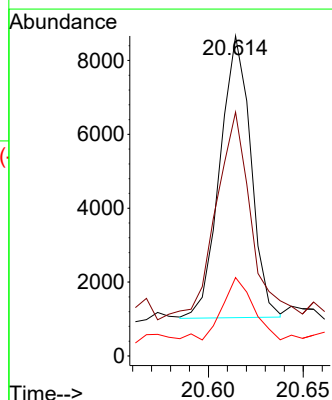
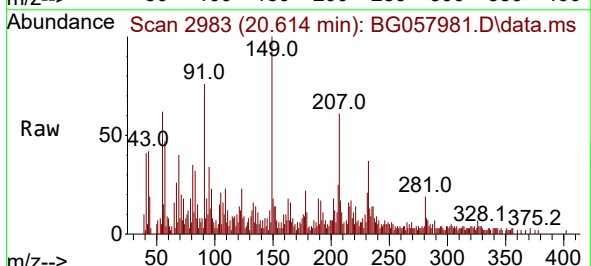
Tgt Ion:149 Resp: 8646

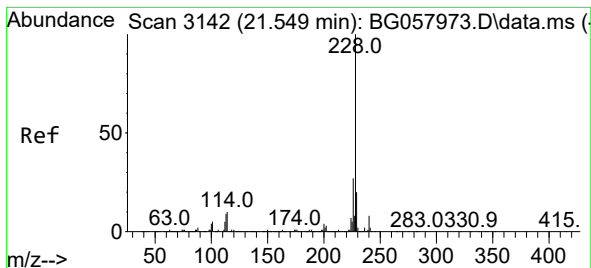
Ion Ratio Lower Upper

149 100

91 76.2 56.5 84.7

206 24.5 17.4 26.0





#85

Benzo(a)anthracene

Concen: 17.559 ng/ul

RT: 21.554 min Scan# 3142

Delta R.T. 0.006 min

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ClientSampleId :

DCGM0

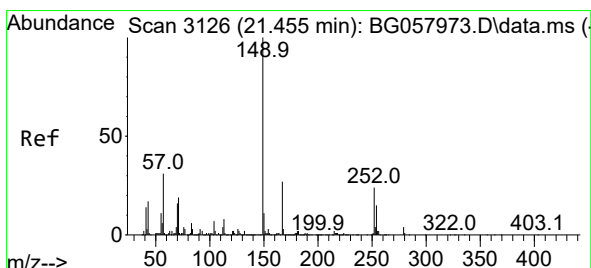
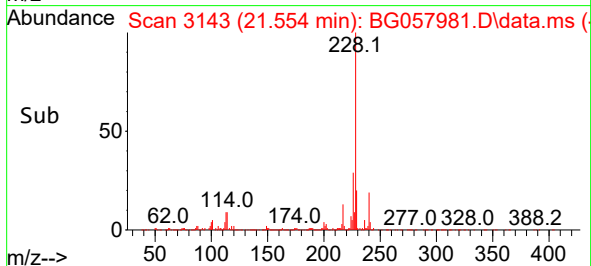
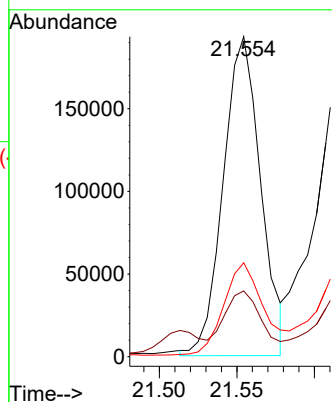
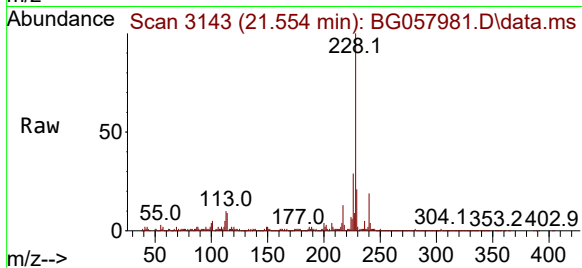
Tgt Ion:228 Resp: 323633

Ion Ratio Lower Upper

228 100

229 20.6 16.0 24.0

226 29.3 22.0 33.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.144 ng/ul

RT: 21.454 min Scan# 3126

Delta R.T. -0.000 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

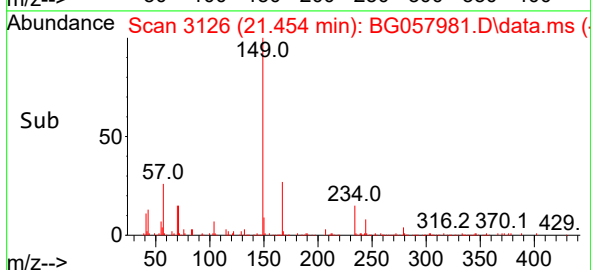
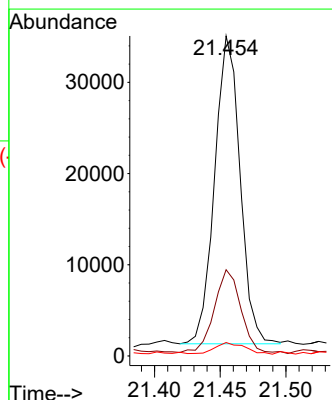
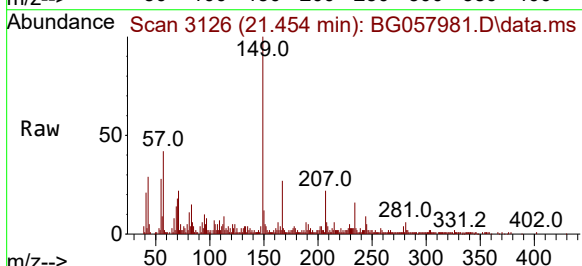
Tgt Ion:149 Resp: 45409

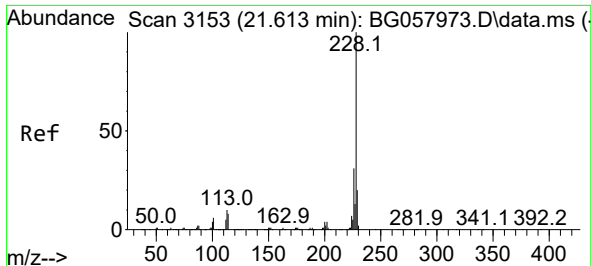
Ion Ratio Lower Upper

149 100

167 26.9 20.9 31.3

279 4.2 3.1 4.7

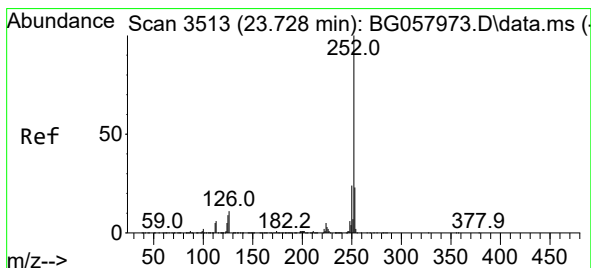
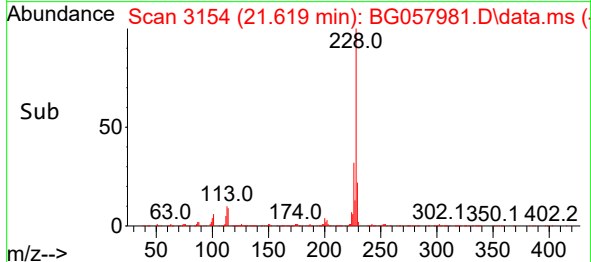
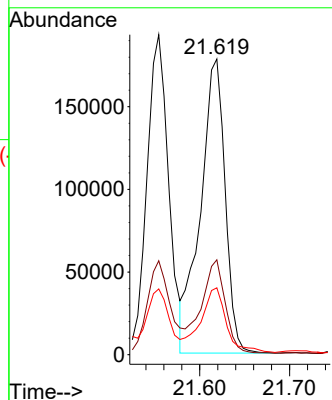
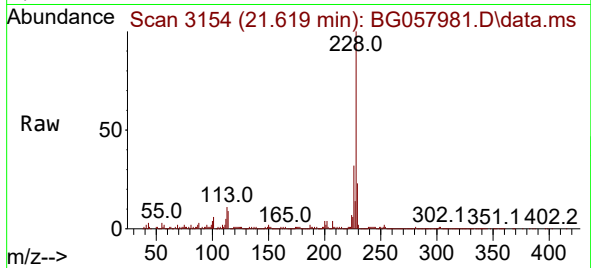




#87
Chrysene
Concen: 19.717 ng/ul
RT: 21.619 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

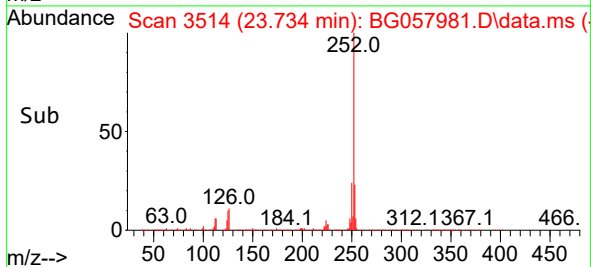
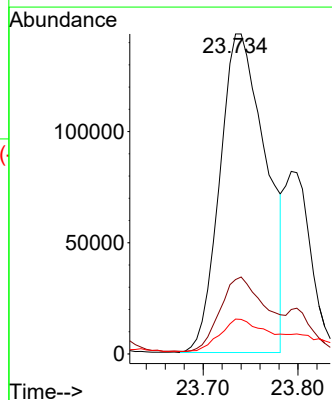
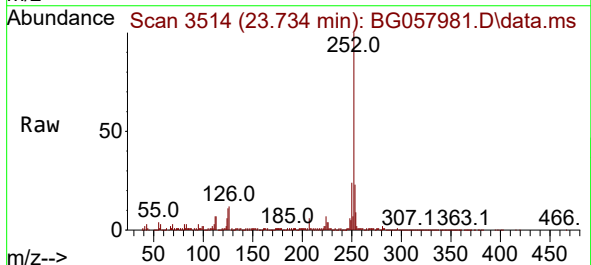
Instrument :
BNA_G
ClientSampleId :
DCGM0

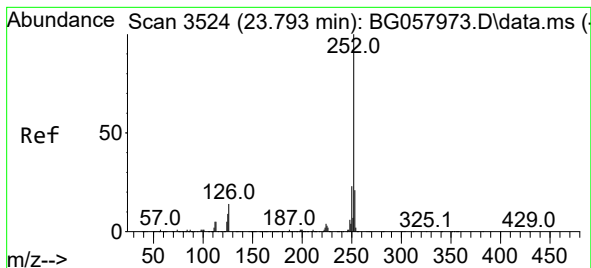
Tgt Ion:228 Resp: 340656
Ion Ratio Lower Upper
228 100
226 32.1 24.4 36.6
229 22.6 15.5 23.3



#90
Benzo(b)fluoranthene
Concen: 24.643 ng/ul
RT: 23.734 min Scan# 3514
Delta R.T. 0.006 min
Lab File: BG057981.D
Acq: 4 Jul 2023 9:50

Tgt Ion:252 Resp: 484637
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 10.9 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 25.142 ng/ul

RT: 23.734 min Scan# 3

Delta R.T. -0.059 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

Instrument :

BNA_G

ClientSampleId :

DCGM0

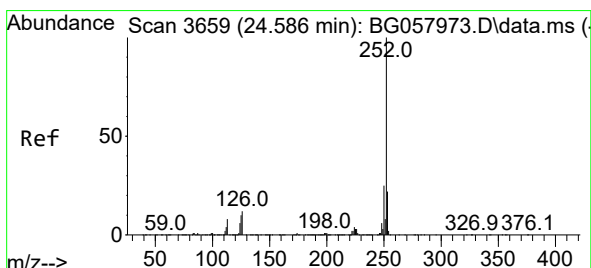
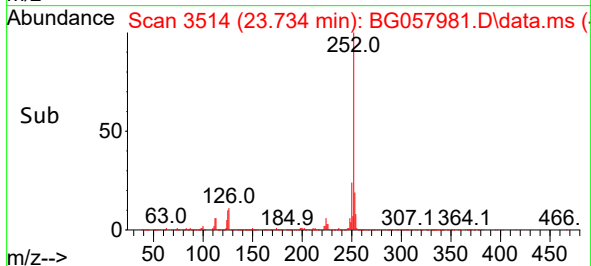
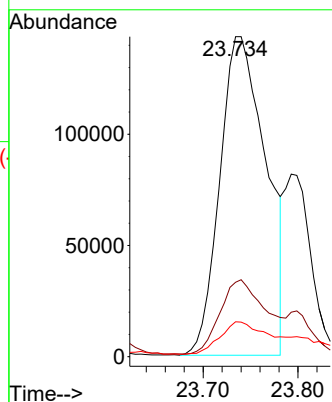
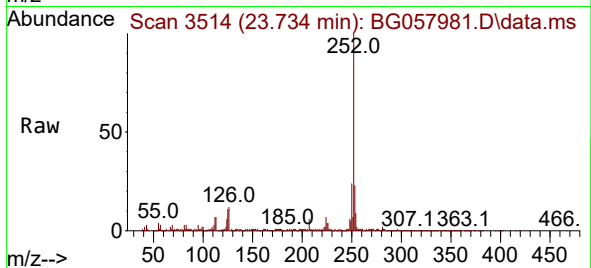
Tgt Ion:252 Resp: 484637

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 10.9 7.4 11.2



#93

Benzo(a)pyrene

Concen: 18.683 ng/ul

RT: 24.598 min Scan# 3661

Delta R.T. 0.012 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

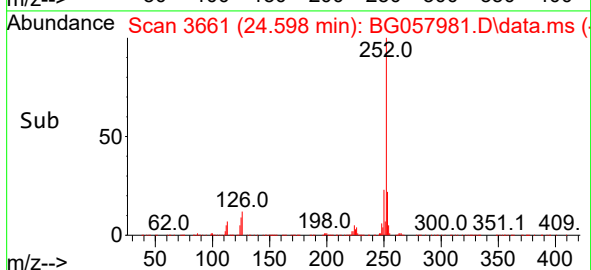
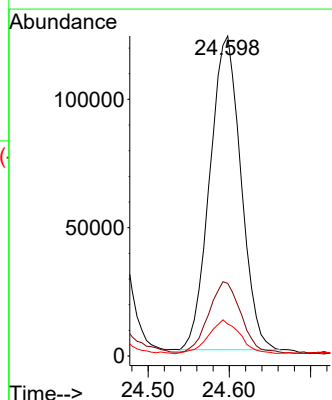
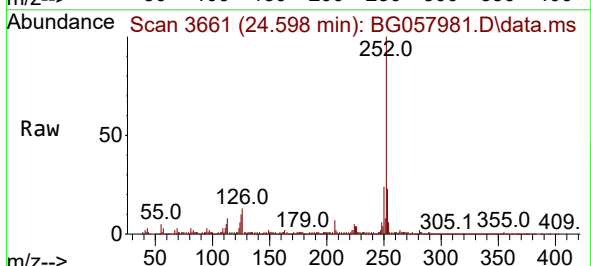
Tgt Ion:252 Resp: 325201

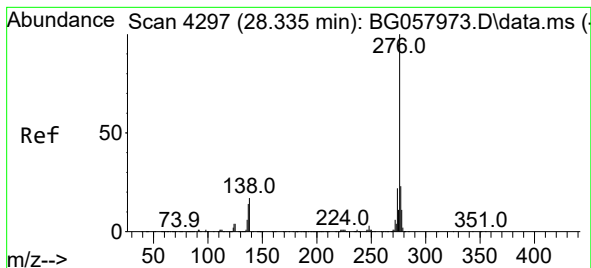
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 10.0 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.707 ng/ul

RT: 28.352 min Scan# 41

Delta R.T. 0.018 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

Instrument :

BNA_G

ClientSampleId :

DCGM0

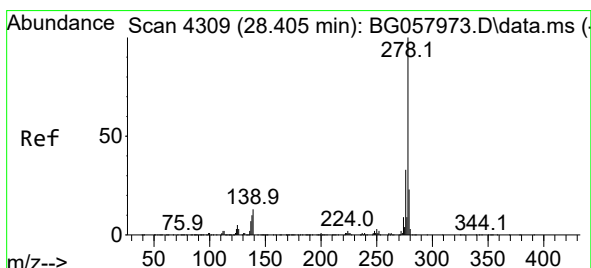
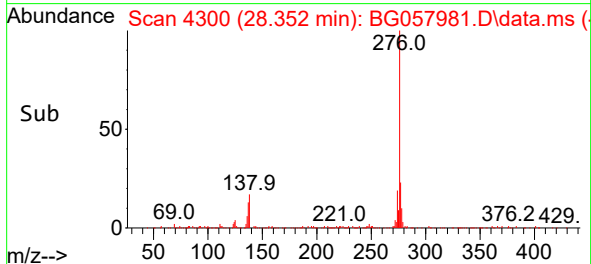
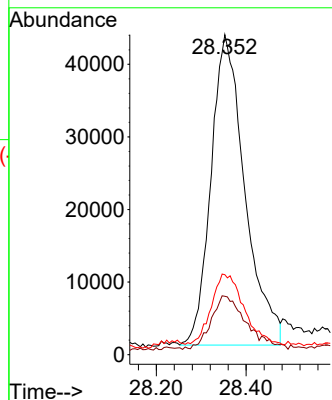
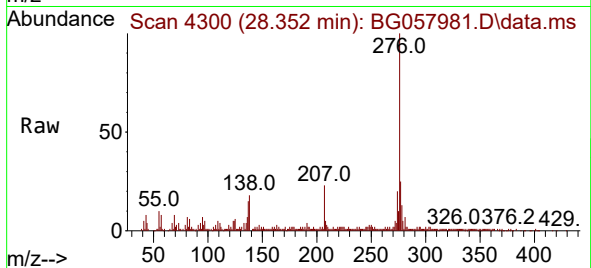
Tgt Ion:276 Resp: 224362

Ion Ratio Lower Upper

276 100

138 18.2 14.0 21.0

277 25.0 19.4 29.2



#95

Dibenzo(a,h)anthracene

Concen: 2.800 ng/ul

RT: 28.399 min Scan# 4308

Delta R.T. -0.006 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

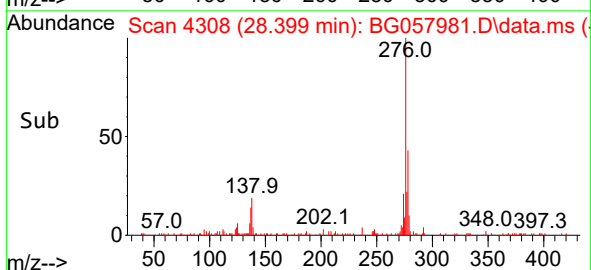
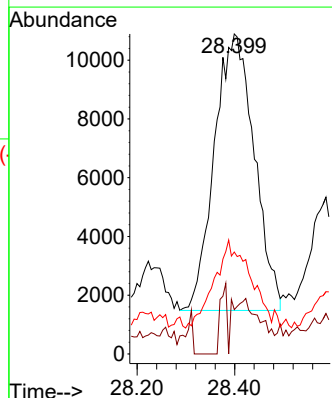
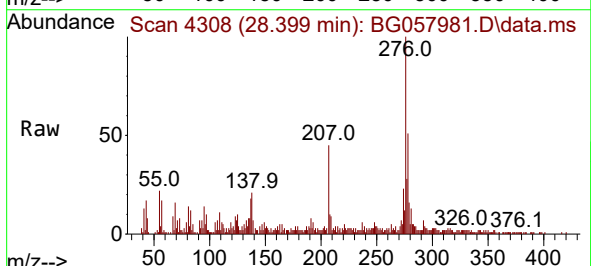
Tgt Ion:278 Resp: 53369

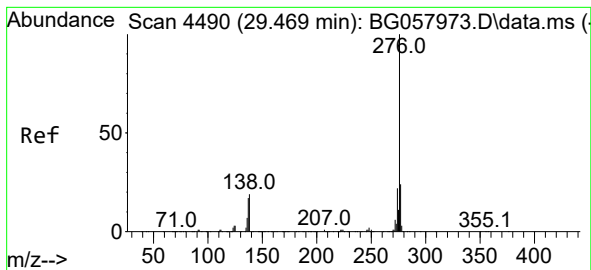
Ion Ratio Lower Upper

278 100

139 13.9 11.3 16.9

279 31.9 18.9 28.3#





#96

Benzo(g,h,i)perylene

Concen: 10.192 ng/ul

RT: 29.486 min Scan# 44

Delta R.T. 0.018 min

Lab File: BG057981.D

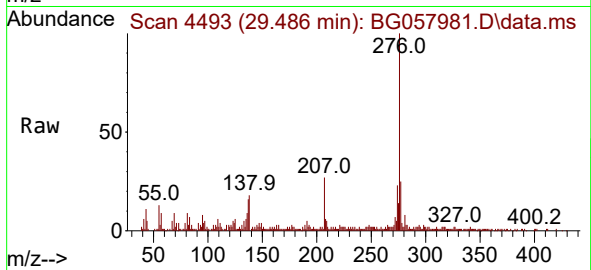
Acq: 4 Jul 2023 9:50

Instrument :

BNA_G

ClientSampleId :

DCGM0



Tgt Ion:276 Resp: 192429

Ion Ratio Lower Upper

276 100

138 17.8 14.2 21.2

277 25.2 18.6 27.8

