

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057970.D
 Acq On : 4 Jul 2023 1:27
 Operator : CG/JU
 Sample : 03247-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCGL9

Manual Integrations
 APPROVED

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023

Quant Time: Jul 04 04:55:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 07:50:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	41805	20.000	ng/u1	0.01
20) Naphthalene-d8	10.743	136	196779	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.574	164	134491	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.318	188	294329	20.000	ng/u1	0.01
79) Chrysene-d12	21.571	240	240157	20.000	ng/u1	0.01
88) Perylene-d12	24.733	264	297818	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	3380	2.831	ng/uL	0.01
4) Pyridine-d5	3.792	84	3274	0.903	ng/u1	0.02
7) Phenol-d5	7.100	99	75002	17.568	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.265	67	48147	18.714	ng/u1	0.00
11) 2-Chlorophenol-d4	7.470	132	56939	19.337	ng/u1	0.00
15) 4-Methylphenol-d8	8.640	113	37214	11.552	ng/u1	0.00
21) Nitrobenzene-d5	9.098	128	30347	18.922	ng/u1	0.00
24) 2-Nitrophenol-d4	9.821	143	32596	19.338	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.361	165	61696	19.080	ng/u1	0.00
31) 4-Chloroaniline-d4	10.884	131	28126	5.737	ng/u1	0.02
46) Dimethylphthalate-d6	13.975	166	195956	18.466	ng/u1	0.00
49) Acenaphthylene-d8	14.268	160	230784	19.930	ng/u1	0.01
54) 4-Nitrophenol-d4	14.774	143	26462m	14.115	ng/u1	0.01
60) Fluorene-d10	15.561	176	176933	19.633	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.678	200	21340	13.352	ng/u1	0.01
73) Anthracene-d10	17.412	188	255682	18.721	ng/u1	0.00
81) Pyrene-d10	19.703	212	302841	20.022	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.509	264	296722	19.556	ng/u1	0.01
Target Compounds						
					Qvalue	
72) Phenanthrene	17.359	178	59065	3.945	ng/u1	98
80) Fluoranthene	19.368	202	226398	12.918	ng/u1	99
82) Pyrene	19.732	202	182339	10.336	ng/u1	99
85) Benzo(a)anthracene	21.548	228	112796	6.541	ng/u1	99
87) Chrysene	21.613	228	135030	8.353	ng/u1	97
90) Benzo(b)fluoranthene	23.728	252	220105	11.936	ng/u1	99
91) Benzo(k)fluoranthene	23.787	252	62542m	3.460	ng/u1	
93) Benzo(a)pyrene	24.580	252	124492	7.628	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.334	276	101411m	4.679	ng/u1	
95) Dibenzo(a,h)anthracene	28.375	278	30147m	1.687	ng/u1	
96) Benzo(g,h,i)perylene	29.462	276	91484m	5.168	ng/u1	

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

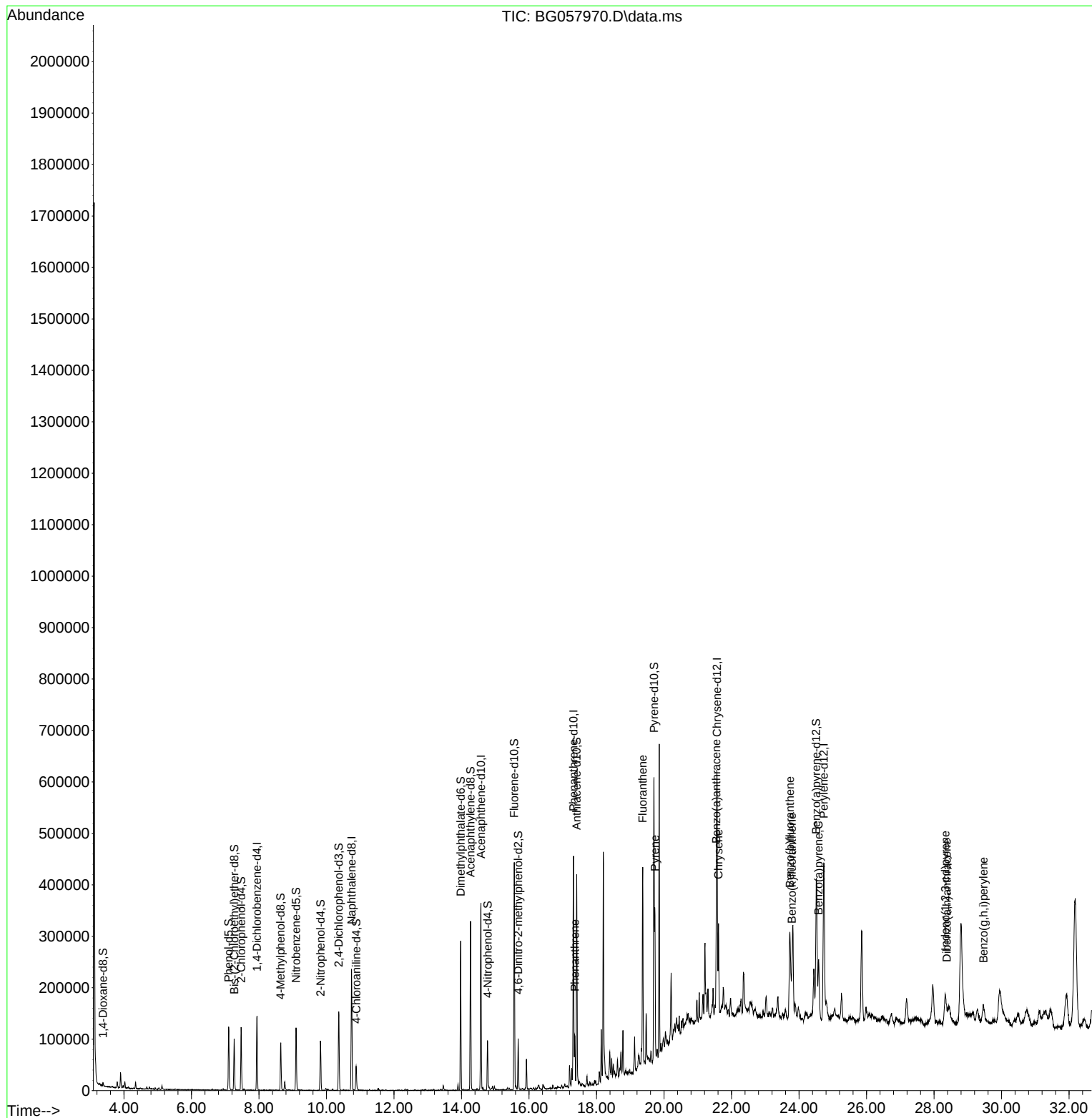
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
Data File : BG057970.D
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ALS Vial : 26 Sample Multiplier: 1

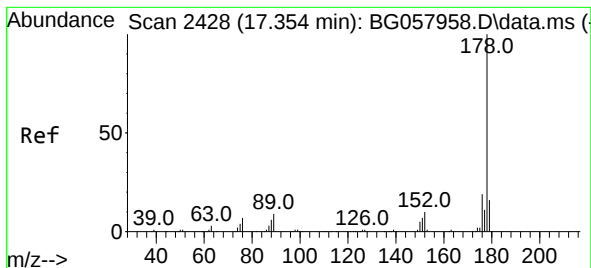
Instrument :
BNA_G
ClientSampleId :
DCGL9

Quant Time: Jul 04 04:55:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
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#72

Phenanthrene

Concen: 3.945 ng/ul

RT: 17.359 min Scan# 2429

Delta R.T. 0.011 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Instrument :

BNA_G

ClientSampleId :

DCGL9

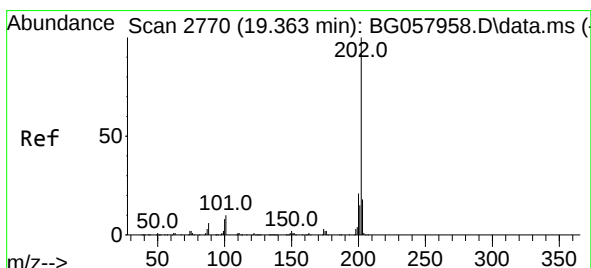
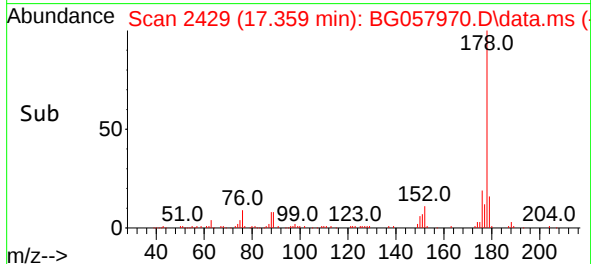
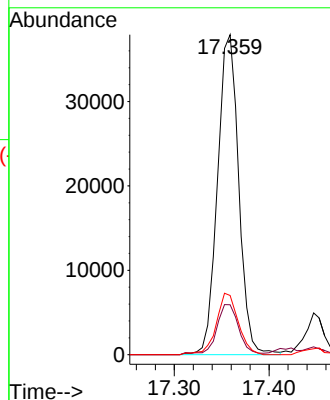
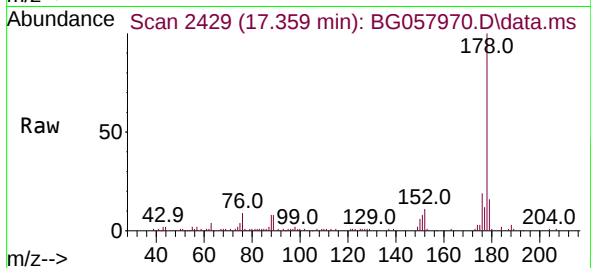
Tgt Ion:178	Resp:	5906
Ion Ratio	Lower	Upper
178	100	
179	15.6	12.8 19.2
176	18.5	15.7 23.5

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#80

Fluoranthene

Concen: 12.918 ng/ul

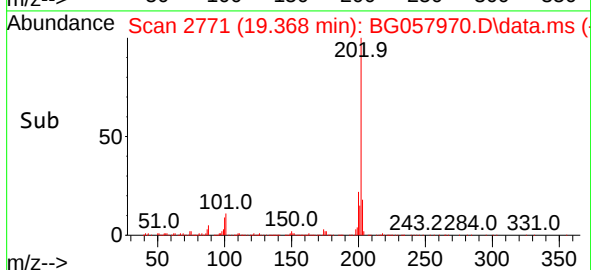
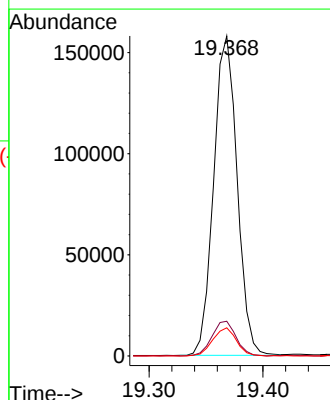
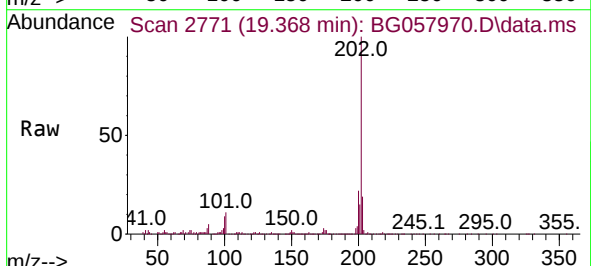
RT: 19.368 min Scan# 2771

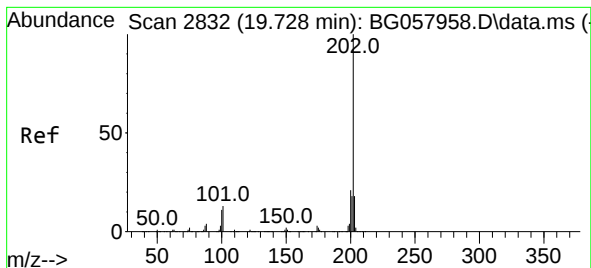
Delta R.T. 0.011 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Tgt Ion:202	Resp:	226398
Ion Ratio	Lower	Upper
202	100	
101	10.8	9.1 13.7
100	8.8	7.1 10.7





#82

Pyrene

Concen: 10.336 ng/ul

RT: 19.732 min Scan# 2833

Delta R.T. 0.011 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Instrument :

BNA_G

ClientSampleId :

DCGL9

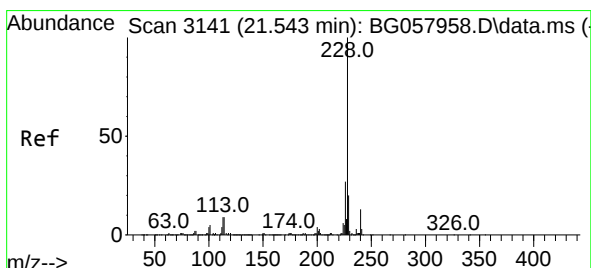
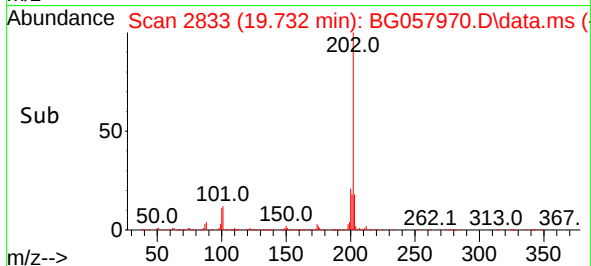
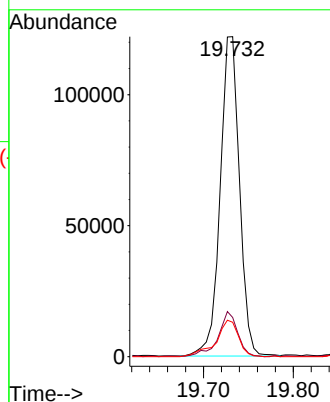
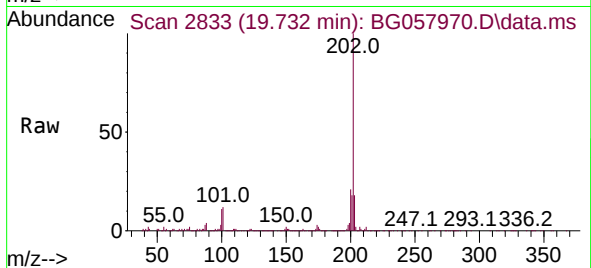
Tgt Ion:202 Resp: 182339
 Ion Ratio Lower Upper
 202 100
 101 12.2 10.2 15.2
 100 10.7 8.9 13.3

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#85

Benzo(a)anthracene

Concen: 6.541 ng/ul

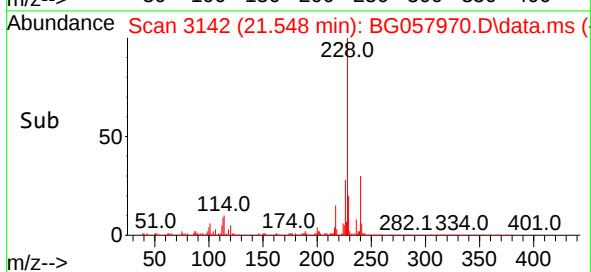
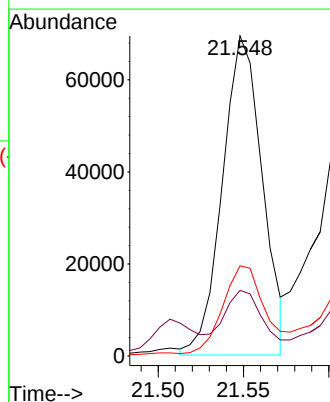
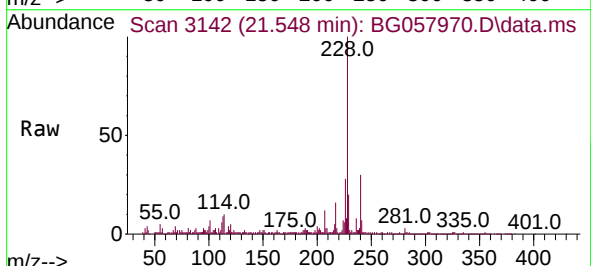
RT: 21.548 min Scan# 3142

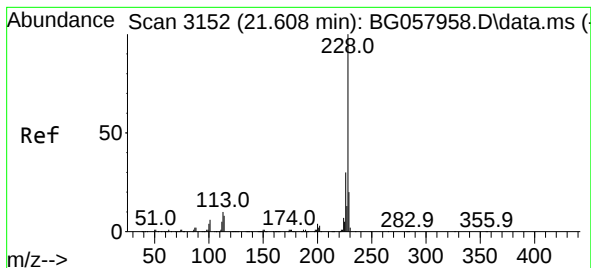
Delta R.T. 0.005 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Tgt Ion:228 Resp: 112796
 Ion Ratio Lower Upper
 228 100
 229 20.5 16.0 24.0
 226 28.2 22.0 33.0





#87

Chrysene

Concen: 8.353 ng/ul

RT: 21.613 min Scan# 3152

Delta R.T. 0.005 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Instrument :

BNA_G

ClientSampleId :

DCGL9

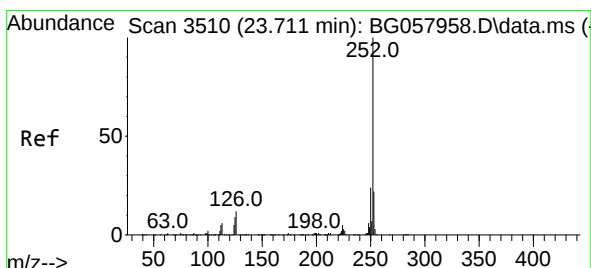
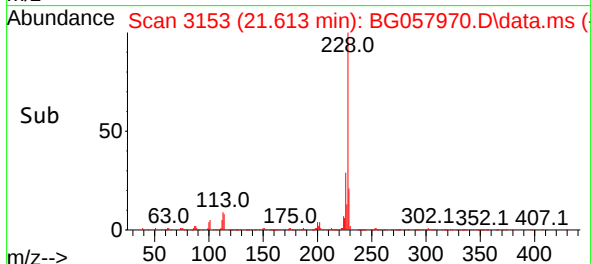
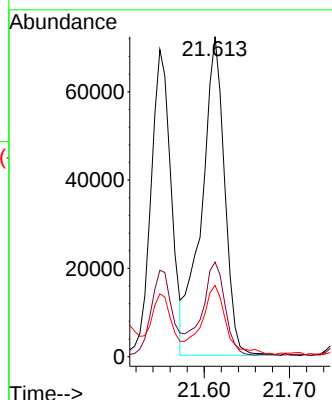
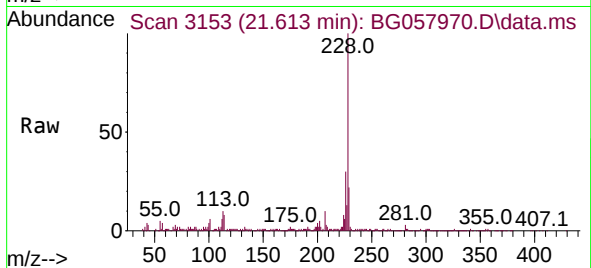
Tgt Ion:228 Resp: 135030
 Ion Ratio Lower Upper
 228 100
 226 29.5 24.4 36.6
 229 22.2 15.5 23.3

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#90

Benzo(b)fluoranthene

Concen: 11.936 ng/ul

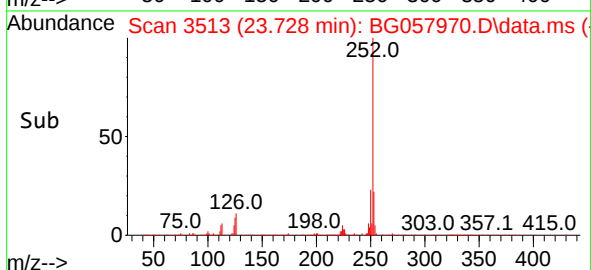
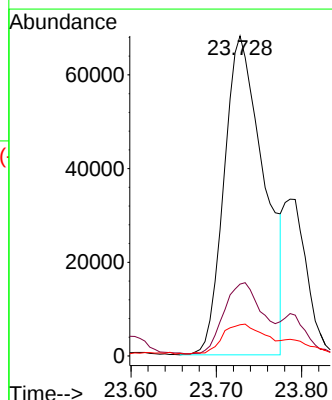
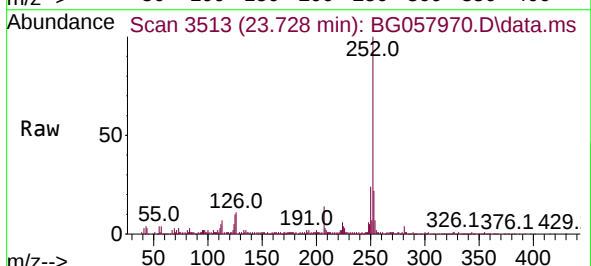
RT: 23.728 min Scan# 3513

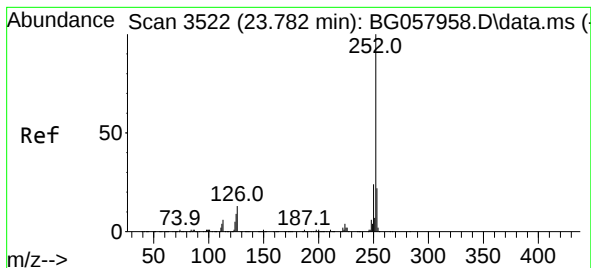
Delta R.T. 0.017 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Tgt Ion:252 Resp: 220105
 Ion Ratio Lower Upper
 252 100
 253 22.4 18.1 27.1
 125 9.7 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 3.460 ng/ul m

RT: 23.787 min Scan# 3522

Delta R.T. 0.011 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Instrument :

BNA_G

ClientSampleId :

DCGL9

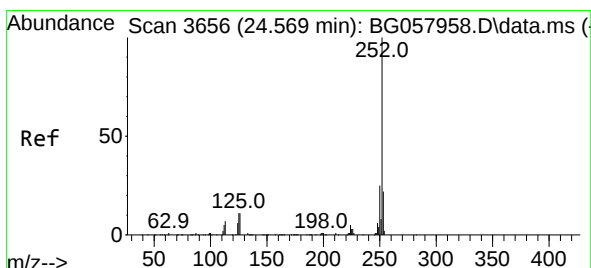
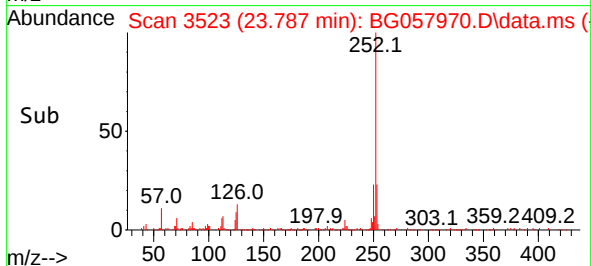
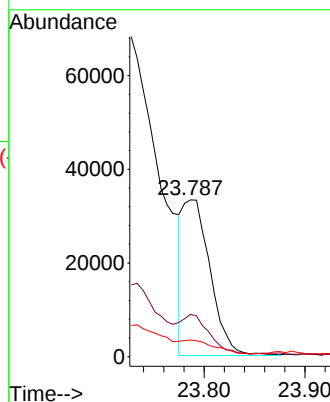
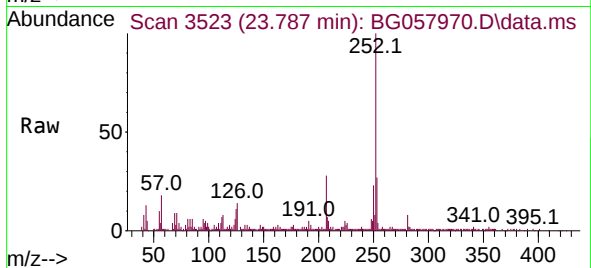
Tgt Ion:252 Resp: 62542
 Ion Ratio Lower Upper
 252 100
 253 27.1 17.7 26.5
 125 10.7 7.4 11.2

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#93

Benzo(a)pyrene

Concen: 7.628 ng/ul

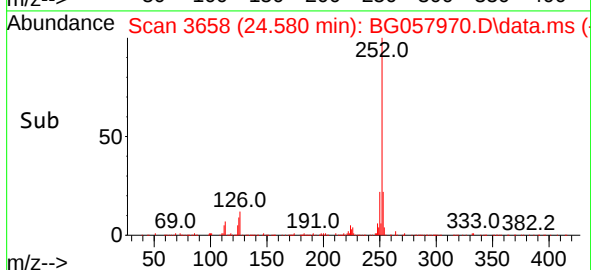
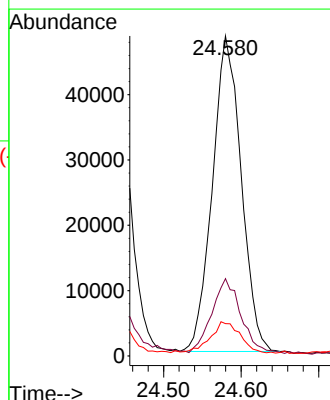
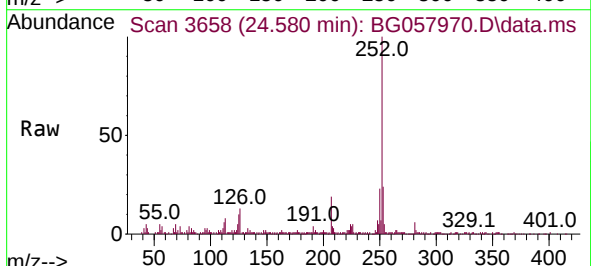
RT: 24.580 min Scan# 3658

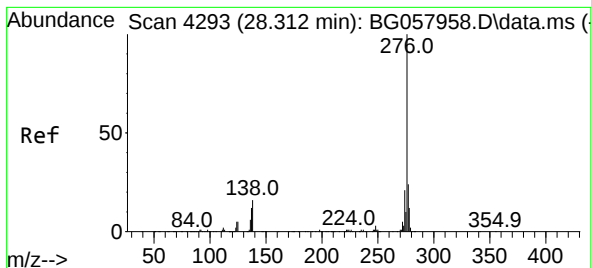
Delta R.T. 0.011 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Tgt Ion:252 Resp: 124492
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.8 26.6
 125 10.1 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.679 ng/ul m

RT: 28.334 min Scan# 4304

Delta R.T. 0.028 min

Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Instrument :

BNA_G

ClientSampleId :

DCGL9

Tgt Ion:276 Resp: 10141

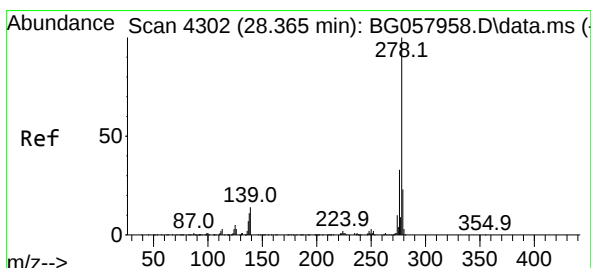
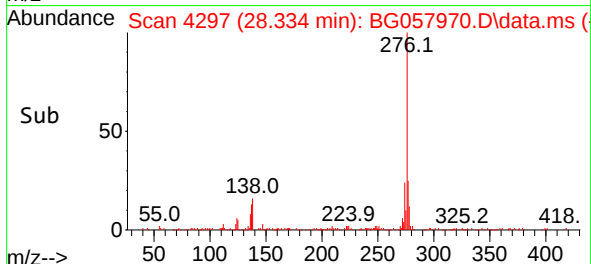
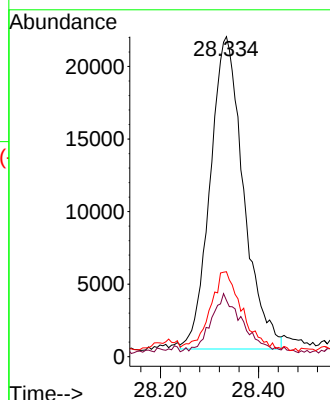
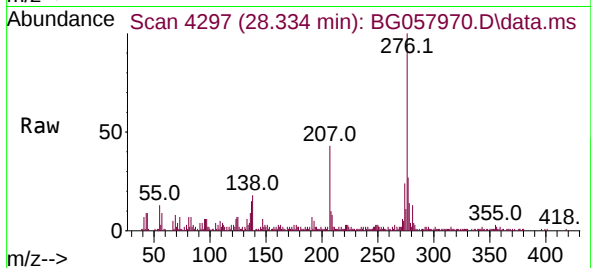
Ion	Ratio	Lower	Upper
276	100		
138	17.6	14.0	21.0
277	26.6	19.4	29.2

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#95

Dibenzo(a,h)anthracene

Concen: 1.687 ng/ul m

RT: 28.375 min Scan# 4304

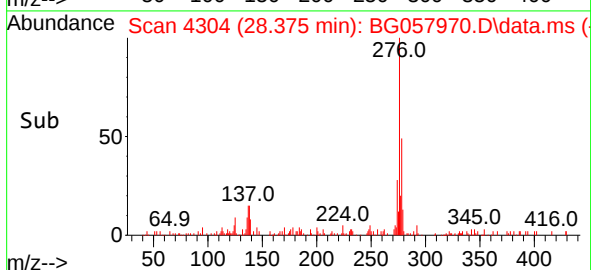
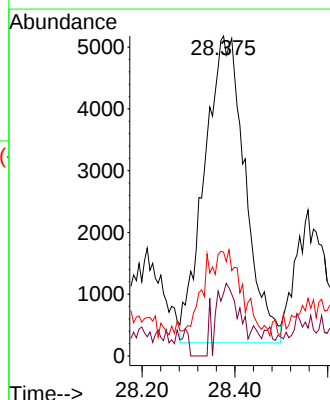
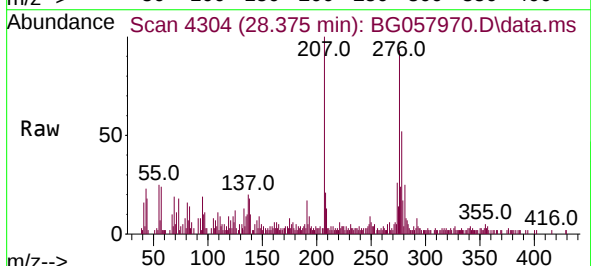
Delta R.T. 0.005 min

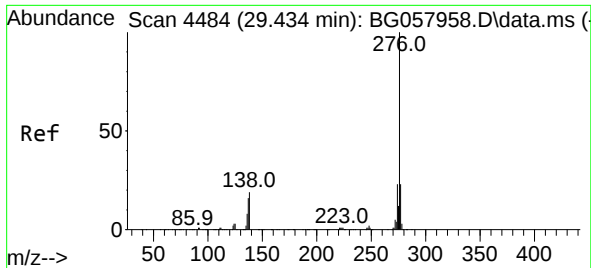
Lab File: BG057970.D

Acq: 4 Jul 2023 1:27

Tgt Ion:278 Resp: 30147

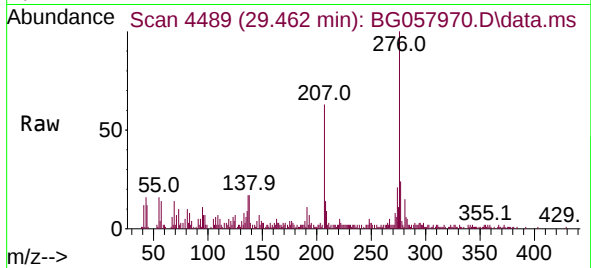
Ion	Ratio	Lower	Upper
278	100		
139	19.6	11.3	16.9#
279	32.5	18.9	28.3#





#96
 Benzo(g,h,i)perylene
 Concen: 5.168 ng/ul m
 RT: 29.462 min Scan# 44
 Delta R.T. 0.034 min
 Lab File: BG057970.D
 Acq: 4 Jul 2023 1:27

Instrument :
 BNA_G
 ClientSampleId :
 DCGL9



Tgt Ion:276 Resp: 91484
 Ion Ratio Lower Upper
 276 100
 138 17.2 14.2 21.2
 277 24.0 18.6 27.8

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