

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057980.D
 Acq On : 4 Jul 2023 9:08
 Operator : CG/JU
 Sample : 03247-11
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCGL7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :mohammad ahmed 07/05/2023

Quant Time: Jul 05 00:19:15 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	7.940	152	54765	20.000	ng/u1	0.00
20) Naphthalene-d8	10.742	136	250542	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.573	164	167196	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.317	188	356687	20.000	ng/u1	0.00
79) Chrysene-d12	21.571	240	291011	20.000	ng/u1	0.00
88) Perylene-d12	24.744	264	355834	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	4132	2.642	ng/uL	0.00
4) Pyridine-d5	3.792	84	4033	0.849	ng/u1	0.00
7) Phenol-d5	7.105	99	91116	16.291	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.264	67	59203	17.565	ng/u1	0.00
11) 2-Chlorophenol-d4	7.470	132	70814	18.358	ng/u1	0.00
15) 4-Methylphenol-d8	8.645	113	41271	9.780	ng/u1	0.00
21) Nitrobenzene-d5	9.097	128	37694	18.459	ng/u1	0.00
24) 2-Nitrophenol-d4	9.820	143	40730	18.978	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.366	165	74199	18.022	ng/u1	0.00
31) 4-Chloroaniline-d4	10.878	131	21329	3.417	ng/u1	0.00
46) Dimethylphthalate-d6	13.974	166	232866	17.652	ng/u1	0.00
49) Acenaphthylene-d8	14.268	160	269389	18.713	ng/u1	0.00
54) 4-Nitrophenol-d4	14.773	143	31272	13.417	ng/u1	0.00
60) Fluorene-d10	15.560	176	205892	18.378	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.678	200	24947	12.880	ng/u1	0.00
73) Anthracene-d10	17.411	188	293445	17.730	ng/u1	0.00
81) Pyrene-d10	19.702	212	366916	20.019	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.520	264	363128	20.030	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.358	178	121928	6.720	ng/u1	100
80) Fluoranthene	19.368	202	336018	15.822	ng/u1	99
82) Pyrene	19.732	202	280455	13.119	ng/u1	99
85) Benzo(a)anthracene	21.553	228	161728	7.740	ng/u1	97
87) Chrysene	21.612	228	184756	9.432	ng/u1	97
90) Benzo(b)fluoranthene	23.739	252	293658	13.328	ng/u1	99
91) Benzo(k)fluoranthene	23.786	252	100483m	4.653	ng/u1	
93) Benzo(a)pyrene	24.591	252	179224	9.191	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.345	276	143617	5.546	ng/u1	99
95) Dibenzo(a,h)anthracene	28.381	278	38326m	1.795	ng/u1	
96) Benzo(g,h,i)perylene	29.485	276	145620m	6.885	ng/u1	

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

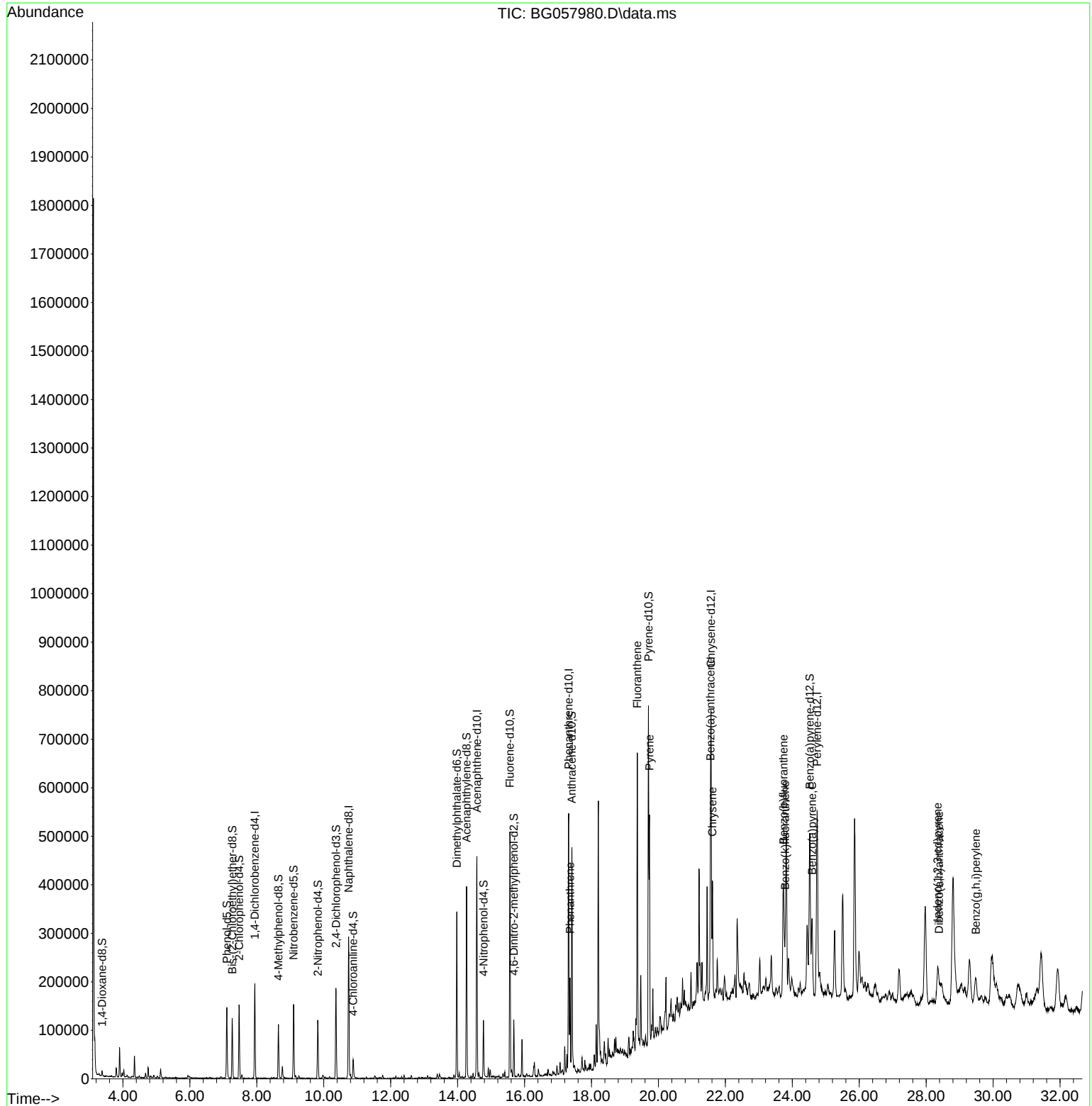
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
Data File : BG057980.D
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ALS Vial : 37 Sample Multiplier: 1

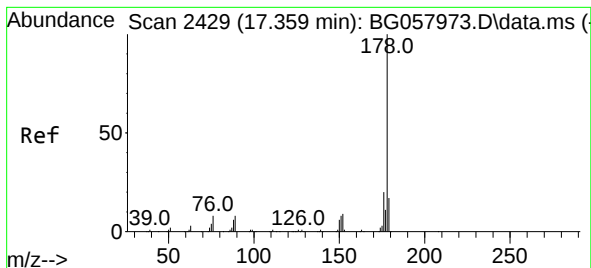
Instrument :
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ClientSampleId :
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QLast Update : Tue Jul 04 05:09:13 2023
Response via : Initial Calibration





#72

Phenanthrene

Concen: 6.720 ng/ul

RT: 17.358 min Scan# 2429

Delta R.T. -0.001 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

Instrument :

BNA_G

ClientSampleId :

DCGL7

Tgt Ion:178 Resp: 121928

Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

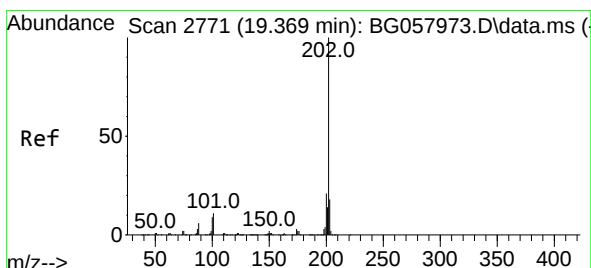
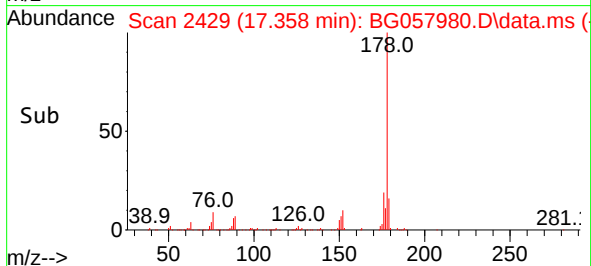
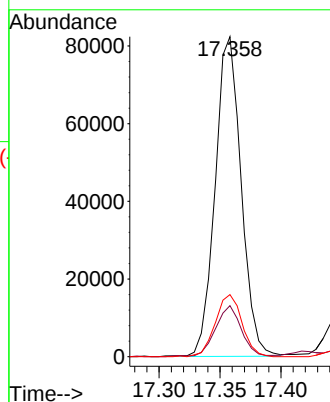
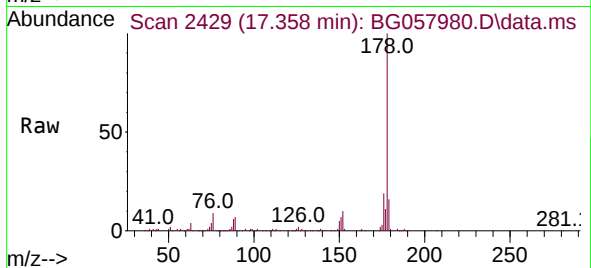
176 19.4 15.7 23.5

Manual Integrations

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#80

Fluoranthene

Concen: 15.822 ng/ul

RT: 19.368 min Scan# 2771

Delta R.T. -0.001 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

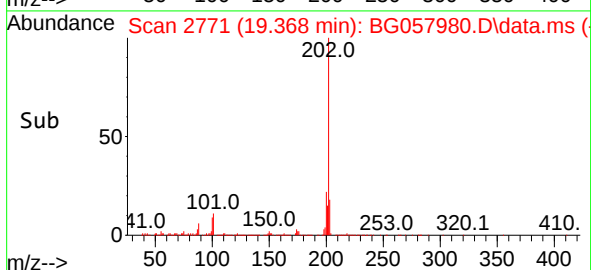
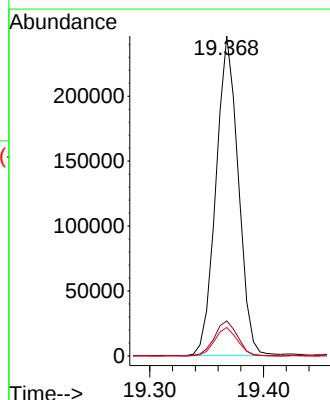
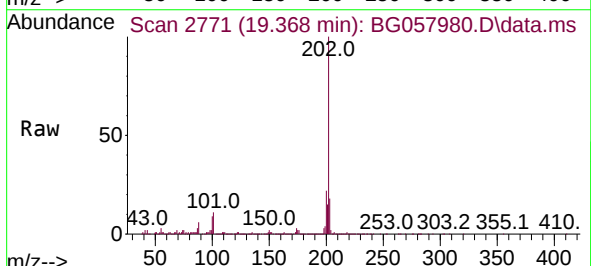
Tgt Ion:202 Resp: 336018

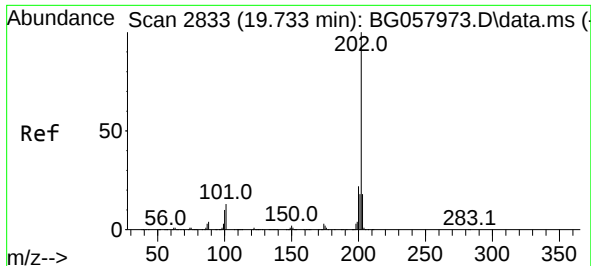
Ion Ratio Lower Upper

202 100

101 11.0 9.1 13.7

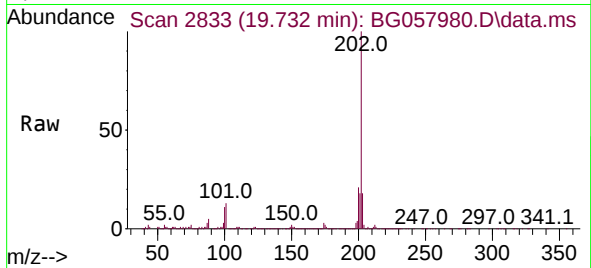
100 8.9 7.1 10.7





#82
Pyrene
Concen: 13.119 ng/ul
RT: 19.732 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057980.D
Acq: 4 Jul 2023 9:08

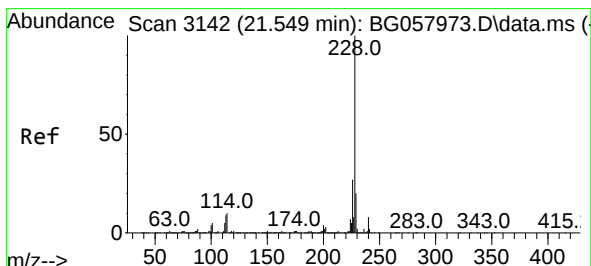
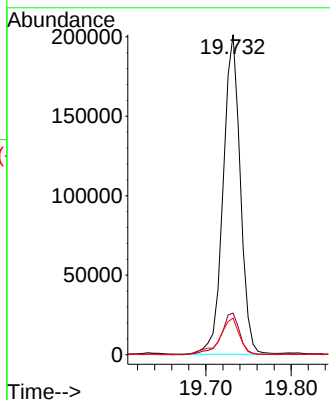
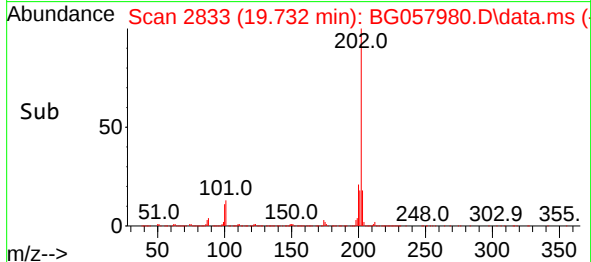
Instrument :
BNA_G
ClientSampleId :
DCGL7



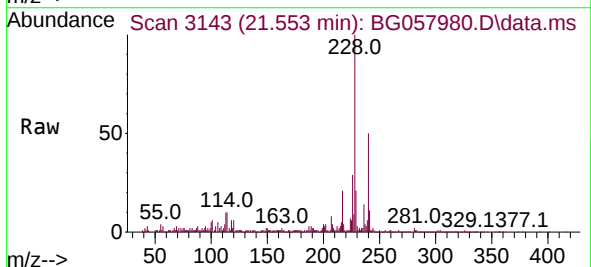
Tgt Ion:202 Resp: 28045
Ion Ratio Lower Upper
202 100
101 13.0 10.2 15.2
100 11.4 8.9 13.3

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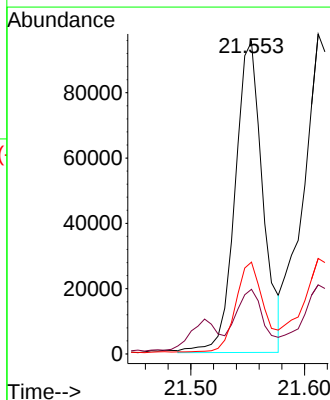
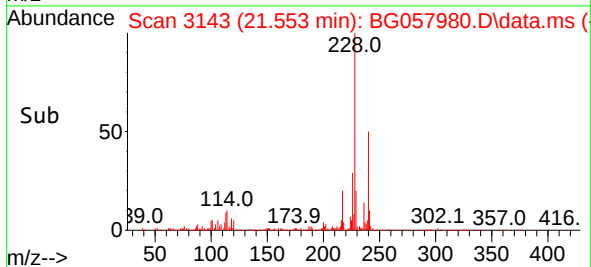
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

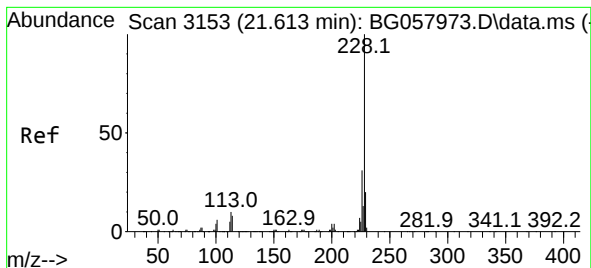


#85
Benzo(a)anthracene
Concen: 7.740 ng/ul
RT: 21.553 min Scan# 3143
Delta R.T. 0.005 min
Lab File: BG057980.D
Acq: 4 Jul 2023 9:08



Tgt Ion:228 Resp: 161728
Ion Ratio Lower Upper
228 100
229 20.7 16.0 24.0
226 29.5 22.0 33.0





#87

Chrysene

Concen: 9.432 ng/ul

RT: 21.612 min Scan# 3153

Delta R.T. -0.001 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

Instrument :

BNA_G

ClientSampleId :

DCGL7

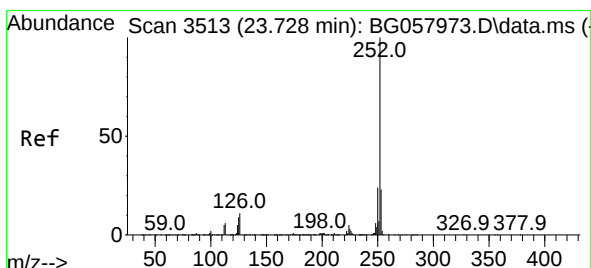
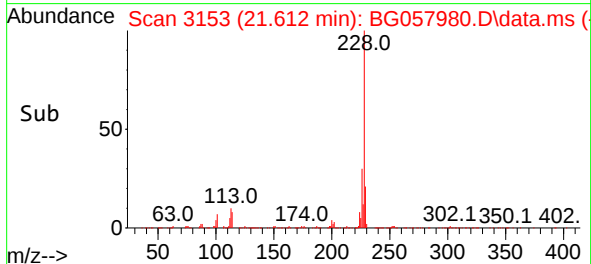
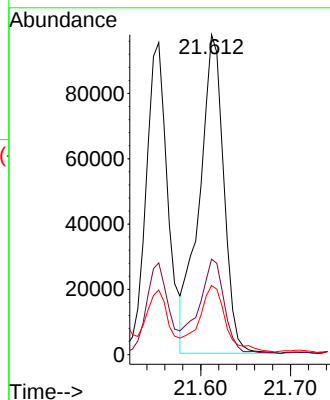
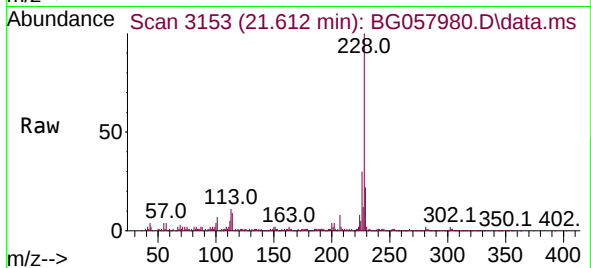
Tgt Ion:228 Resp: 184750
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.4 36.6
 229 21.6 15.5 23.3

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#90

Benzo(b)fluoranthene

Concen: 13.328 ng/ul

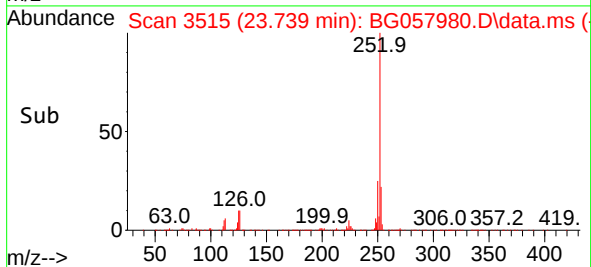
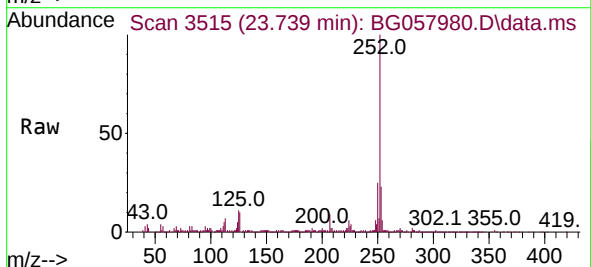
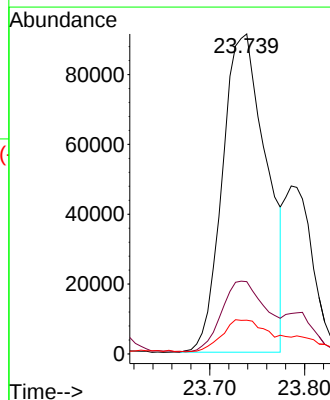
RT: 23.739 min Scan# 3515

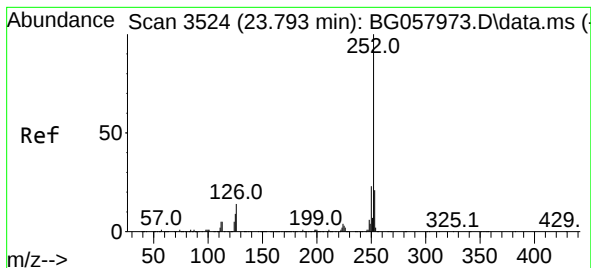
Delta R.T. 0.011 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

Tgt Ion:252 Resp: 293658
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.1 27.1
 125 10.6 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 4.653 ng/ul m

RT: 23.786 min Scan# 3

Delta R.T. -0.007 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

Instrument :

BNA_G

ClientSampleId :

DCGL7

Tgt Ion:252 Resp: 10048

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

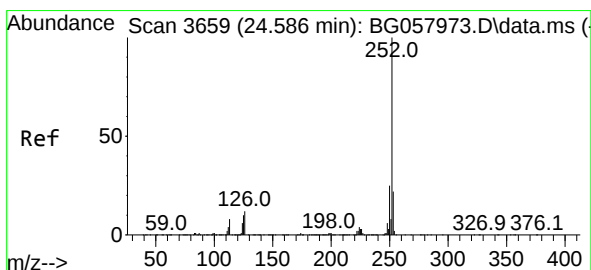
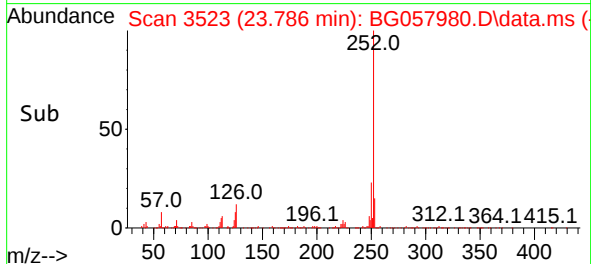
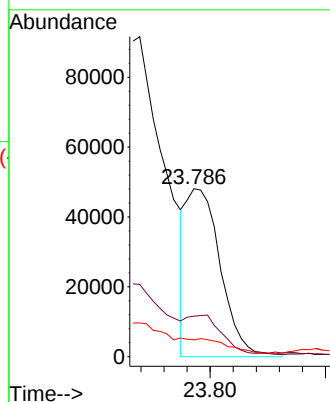
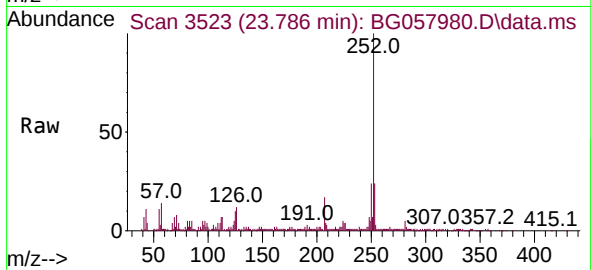
125 10.0 7.4 11.2

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#93

Benzo(a)pyrene

Concen: 9.191 ng/ul

RT: 24.591 min Scan# 3660

Delta R.T. 0.005 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

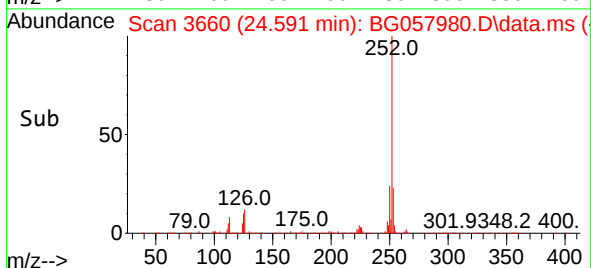
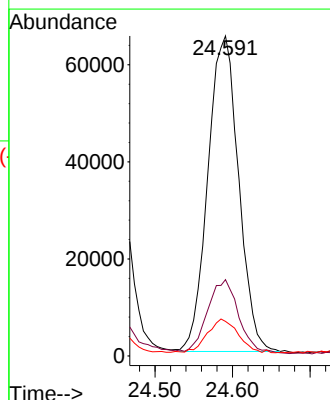
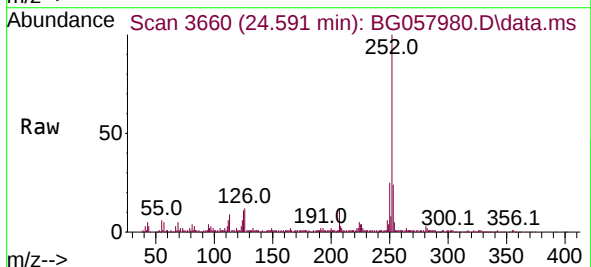
Tgt Ion:252 Resp: 179224

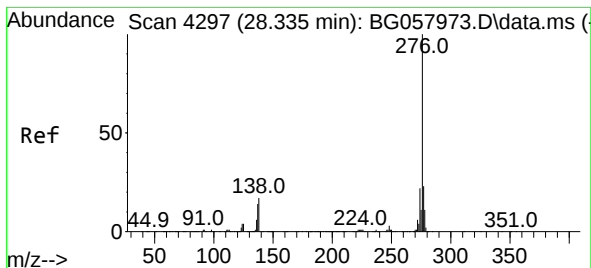
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 10.8 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.546 ng/ul

RT: 28.345 min Scan# 4305

Delta R.T. 0.011 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

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ClientSampleId :

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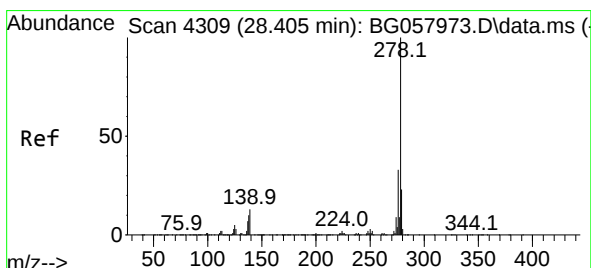
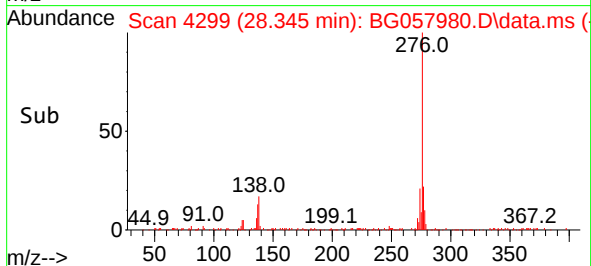
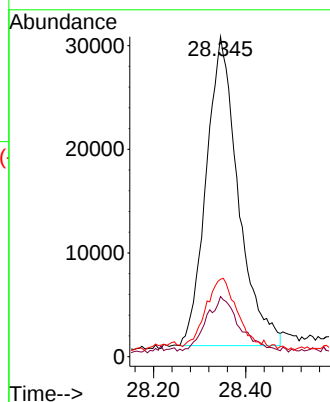
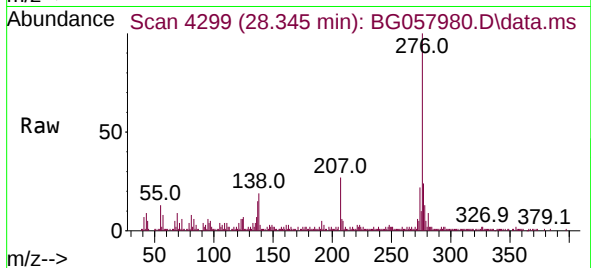
Tgt Ion:	276	Resp:	14361
Ion Ratio	Lower	Upper	
276	100		
138	18.8	14.0	21.0
277	24.2	19.4	29.2

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#95

Dibenzo(a,h)anthracene

Concen: 1.795 ng/ul m

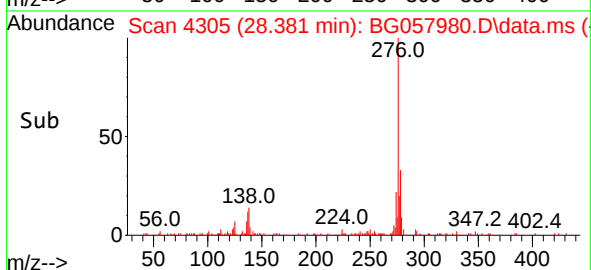
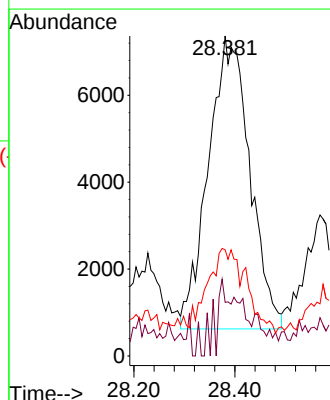
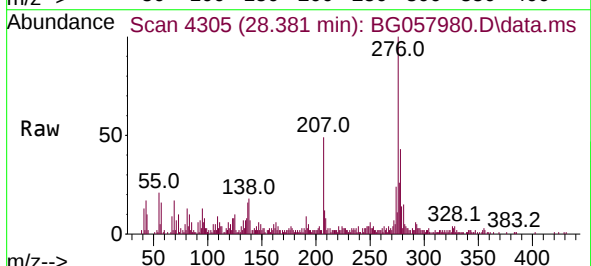
RT: 28.381 min Scan# 4305

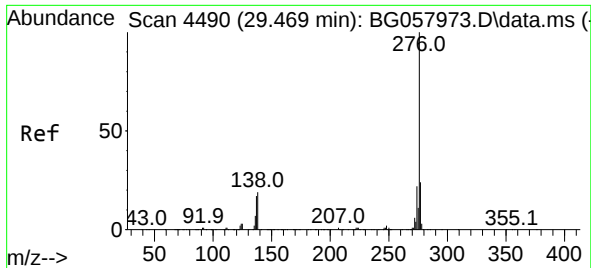
Delta R.T. -0.025 min

Lab File: BG057980.D

Acq: 4 Jul 2023 9:08

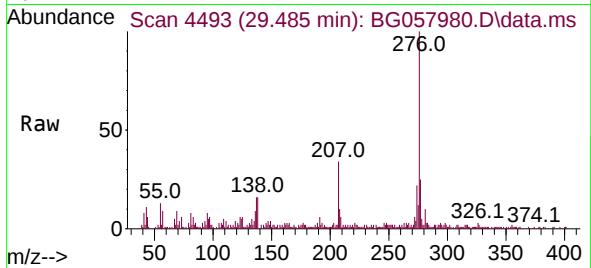
Tgt Ion:	278	Resp:	38326
Ion Ratio	Lower	Upper	
278	100		
139	16.8	11.3	16.9
279	33.1	18.9	28.3#





#96
 Benzo(g,h,i)perylene
 Concen: 6.885 ng/ul m
 RT: 29.485 min Scan# 44
 Delta R.T. 0.017 min
 Lab File: BG057980.D
 Acq: 4 Jul 2023 9:08

Instrument :
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Tgt Ion:276 Resp: 145620
 Ion Ratio Lower Upper
 276 100
 138 16.4 14.2 21.2
 277 25.2 18.6 27.8

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