

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
 Data File : BG061288.D
 Acq On : 24 May 2024 15:11
 Operator : MA/JU
 Sample : P2548-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5Y5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/25/2024
 Supervised By :mohammad ahmed 05/27/2024

Quant Time: May 25 00:27:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.884	152	23059	20.000	ng/ul	0.00
20) Naphthalene-d8	10.681	136	98878	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.517	164	84697	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.267	188	205702	20.000	ng/ul	0.00
79) Chrysene-d12	21.521	240	211164	20.000	ng/ul	0.00
88) Perylene-d12	24.605	264	237598	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.342	96	901	2.187	ng/uL	0.00
4) Pyridine-d5	3.753	84	4164	2.841	ng/ul	0.00
7) Phenol-d5	7.067	99	22297	11.775	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.214	67	14858	12.483	ng/ul	0.00
11) 2-Chlorophenol-d4	7.420	132	17700	12.630	ng/ul	0.00
15) 4-Methylphenol-d8	8.601	113	16162	10.009	ng/ul	0.00
21) Nitrobenzene-d5	9.041	128	9859	12.950	ng/ul	0.00
24) 2-Nitrophenol-d4	9.764	143	11824	13.271	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.310	165	22562	12.989	ng/ul	0.00
31) 4-Chloroaniline-d4	10.816	131	23267	10.239	ng/ul	0.00
46) Dimethylphthalate-d6	13.924	166	85991	13.091	ng/ul	0.00
49) Acenaphthylene-d8	14.212	160	92491	13.543	ng/ul	0.00
54) 4-Nitrophenol-d4	14.746	143	7722m	9.508	ng/ul	0.00
60) Fluorene-d10	15.510	176	78326	13.811	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	11781m	9.469	ng/ul	0.00
73) Anthracene-d10	17.367	188	126226	13.919	ng/ul	0.00
81) Pyrene-d10	19.658	212	146272	13.491	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.394	264	155826	13.642	ng/ul	0.00
Target Compounds						Qvalue
72) Phenanthrene	17.308	178	72087	7.220	ng/ul	98
74) Anthracene	17.402	178	10594	1.026	ng/ul	95
80) Fluoranthene	19.323	202	140993	10.840	ng/ul	99
82) Pyrene	19.688	202	123790	9.169	ng/ul	99
85) Benzo(a)anthracene	21.497	228	71560	4.911	ng/ul#	93
86) Bis(2-ethylhexyl)phtha...	21.415	149	7624	1.111	ng/ul	98
87) Chrysene	21.562	228	73900	5.508	ng/ul#	92
90) Benzo(b)fluoranthene	23.630	252	93143	6.584	ng/ul	98
91) Benzo(k)fluoranthene	23.683	252	30199	2.103	ng/ul#	98
93) Benzo(a)pyrene	24.459	252	64594	4.809	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	28.096	276	46697	2.875	ng/ul#	93
95) Dibenzo(a,h)anthracene	28.137	278	13420m	1.002	ng/ul	
96) Benzo(g,h,i)perylene	29.182	276	44370m	3.433	ng/ul	

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

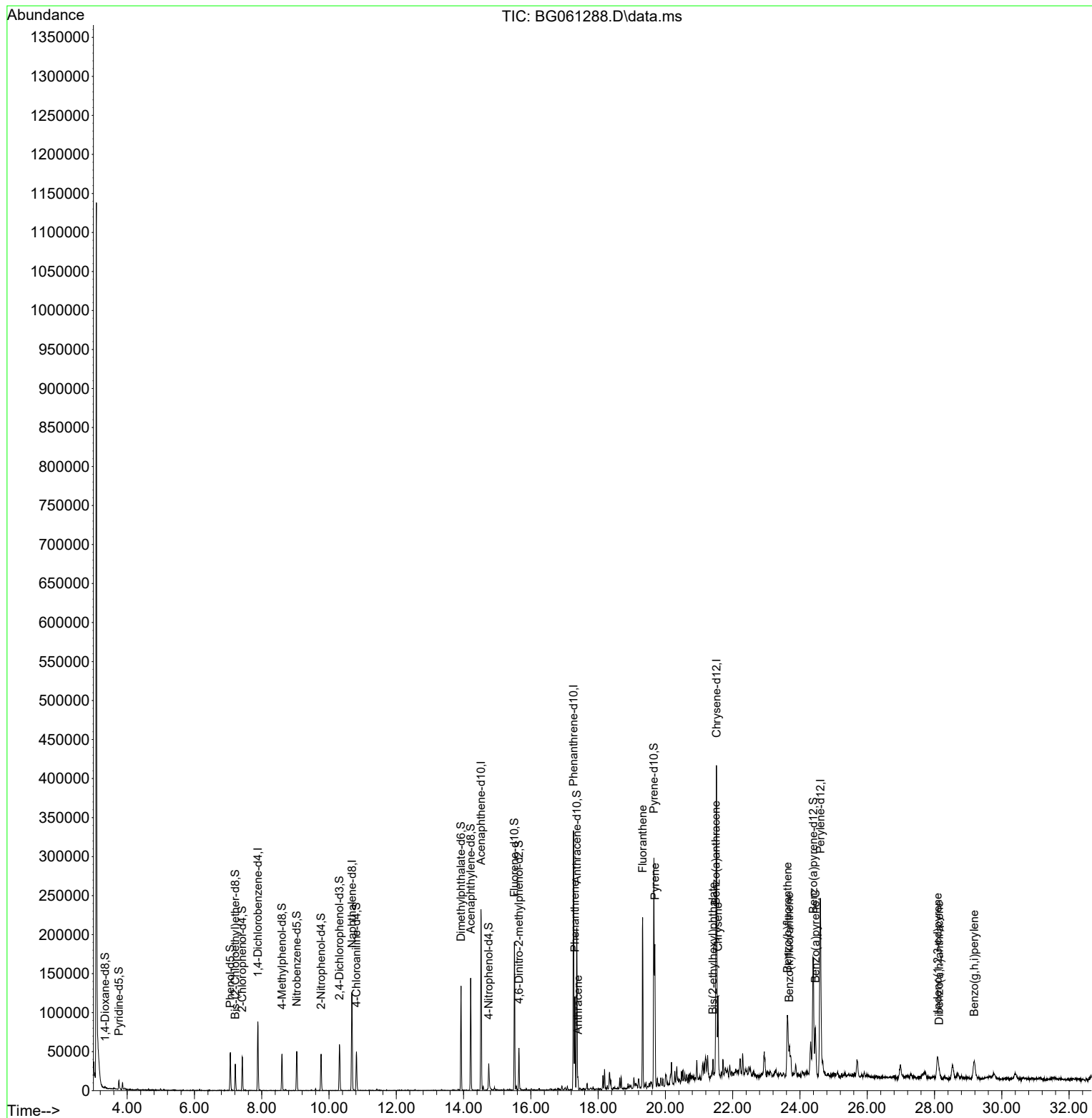
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061288.D
Acq On : 24 May 2024 15:11
Operator : MA/JU
Sample : P2548-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

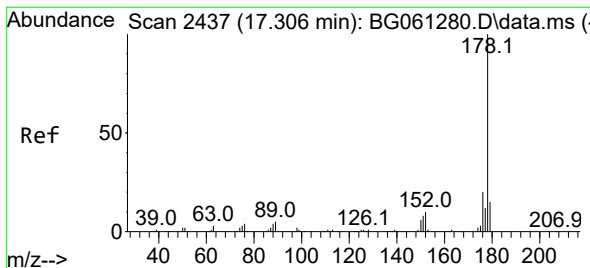
Instrument :
BNA_G
ClientSampleId :
BH5Y5

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Supervised By :mohammad ahmed 05/27/2024

Quant Time: May 25 00:27:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration





#72

Phenanthrene

Concen: 7.220 ng/ul

RT: 17.308 min Scan# 2437

Delta R.T. -0.005 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Instrument :

BNA_G

ClientSampleId :

BH5Y5

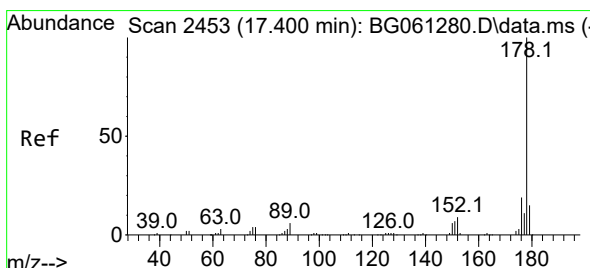
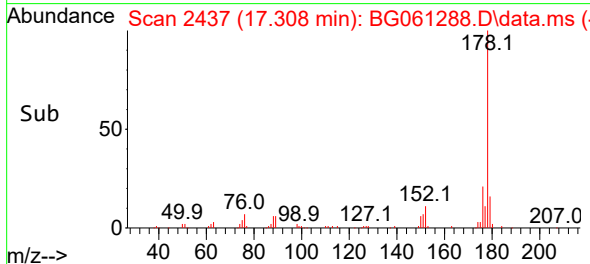
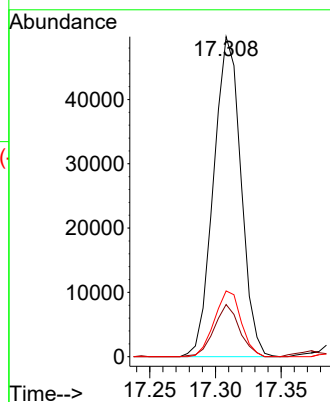
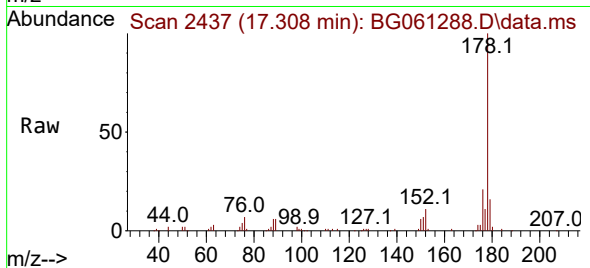
Tgt Ion:178	Resp:	7208
Ion Ratio	Lower	Upper
178	100	
179	16.3	12.7 19.1
176	20.6	15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 1.026 ng/ul

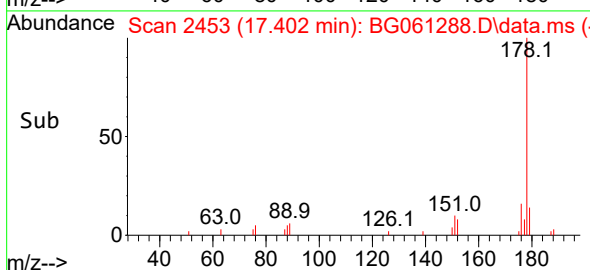
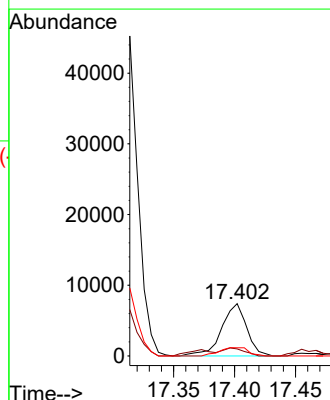
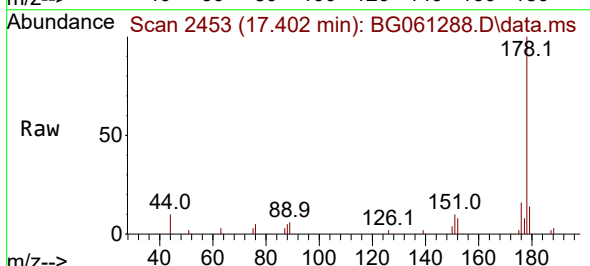
RT: 17.402 min Scan# 2453

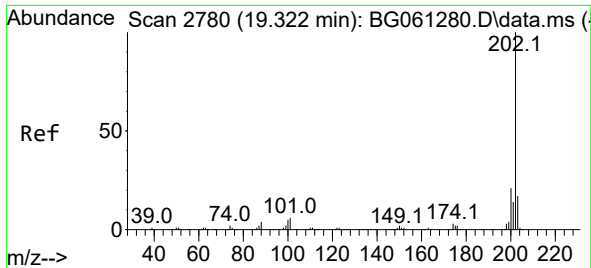
Delta R.T. 0.001 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

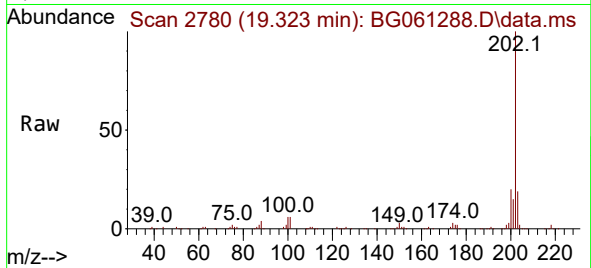
Tgt Ion:178	Resp:	10594
Ion Ratio	Lower	Upper
178	100	
179	13.5	11.8 17.6
176	15.5	14.9 22.3





#80
Fluoranthene
Concen: 10.840 ng/ul
RT: 19.323 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG061288.D
Acq: 24 May 2024 15:11

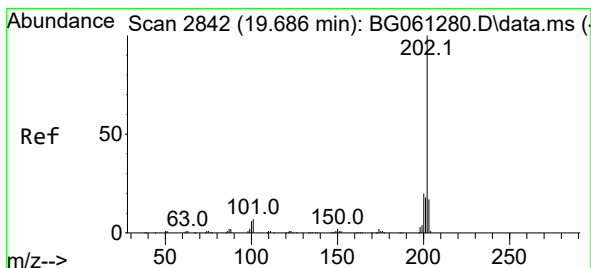
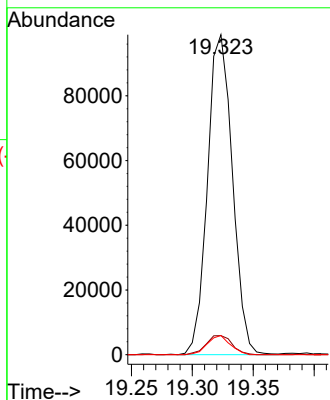
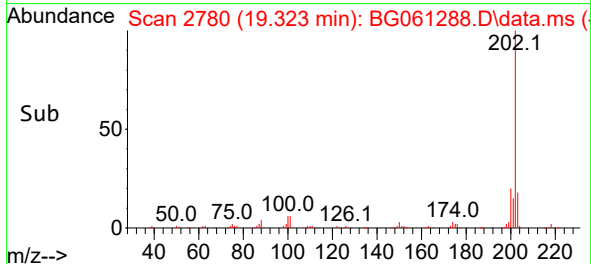
Instrument :
BNA_G
ClientSampleId :
BH5Y5



Tgt Ion:202 Resp: 14099
Ion Ratio Lower Upper
202 100
101 5.9 4.8 7.2
100 6.0 4.1 6.1

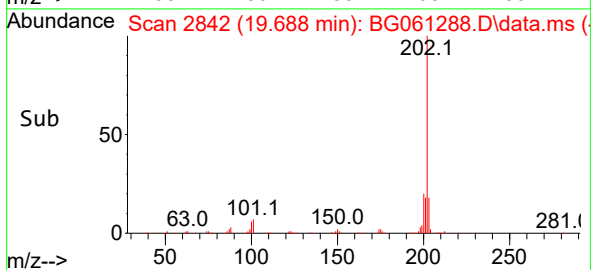
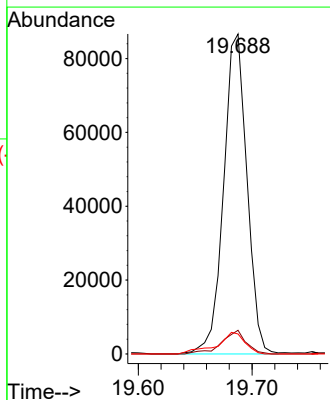
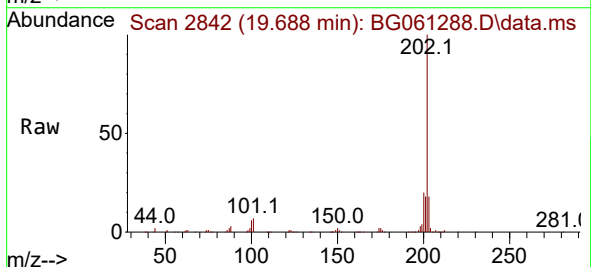
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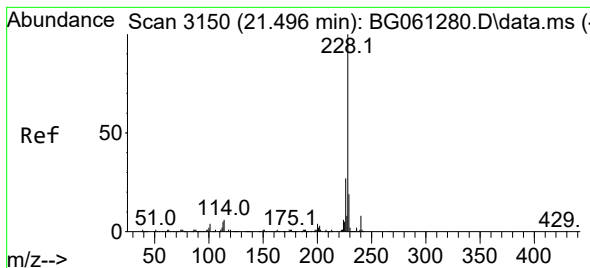
Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024



#82
Pyrene
Concen: 9.169 ng/ul
RT: 19.688 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG061288.D
Acq: 24 May 2024 15:11

Tgt Ion:202 Resp: 123790
Ion Ratio Lower Upper
202 100
101 7.4 5.7 8.5
100 6.3 5.1 7.7





#85

Benzo(a)anthracene

Concen: 4.911 ng/ul

RT: 21.497 min Scan# 3150

Delta R.T. -0.005 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Instrument :

BNA_G

ClientSampleId :

BH5Y5

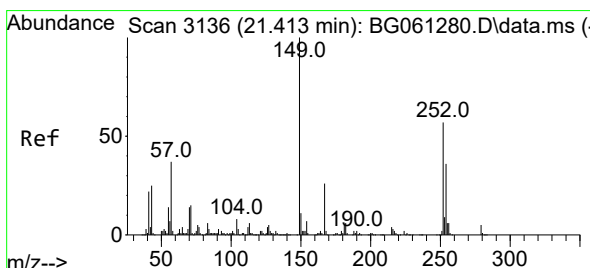
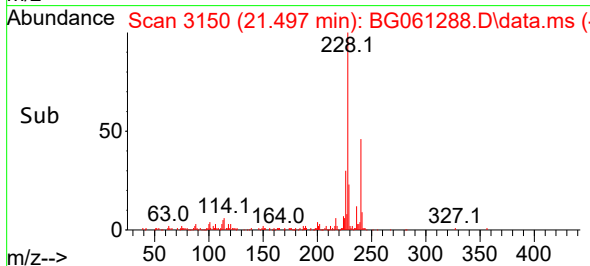
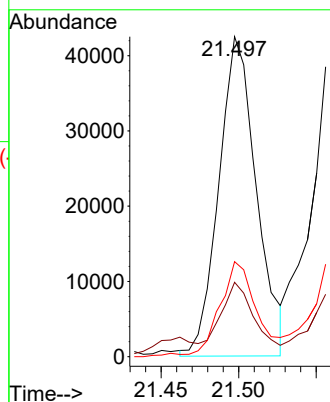
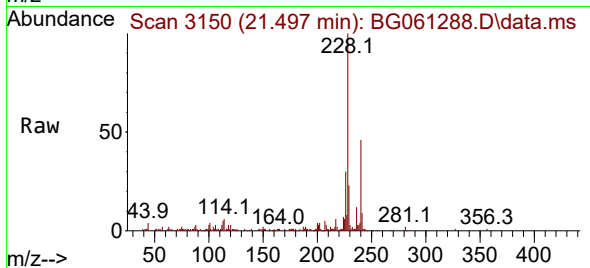
Tgt Ion:	228	Resp:	71560
Ion Ratio	Lower	Upper	
228	100		
229	23.2	15.2	22.8
226	29.7	21.4	32.2

Manual Integrations

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#86

Bis(2-ethylhexyl)phthalate

Concen: 1.111 ng/ul

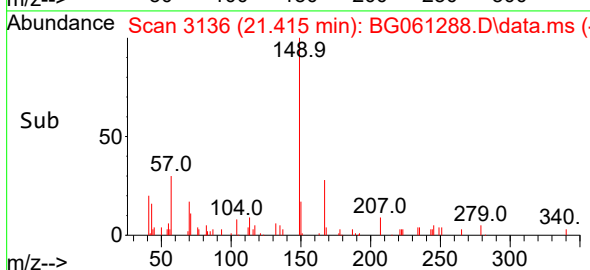
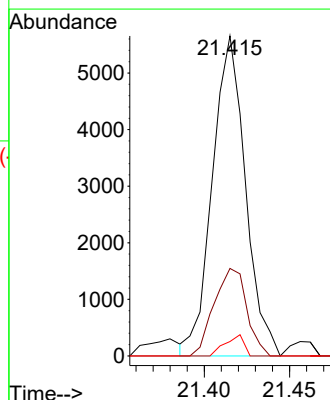
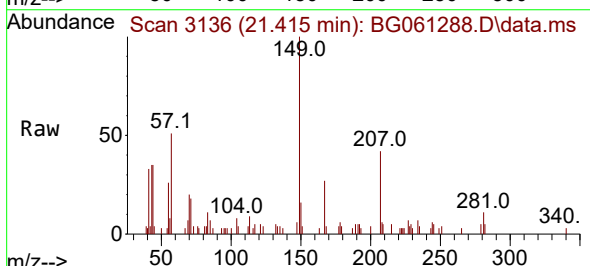
RT: 21.415 min Scan# 3136

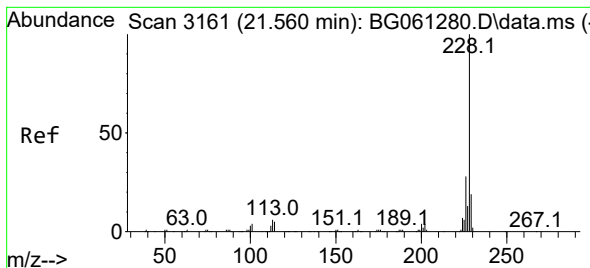
Delta R.T. 0.001 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Tgt Ion:	149	Resp:	7624
Ion Ratio	Lower	Upper	
149	100		
167	27.3	21.1	31.7
279	4.5	3.3	4.9





#87

Chrysene

Concen: 5.508 ng/ul

RT: 21.562 min Scan# 3161

Delta R.T. -0.005 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Instrument :

BNA_G

ClientSampleId :

BH5Y5

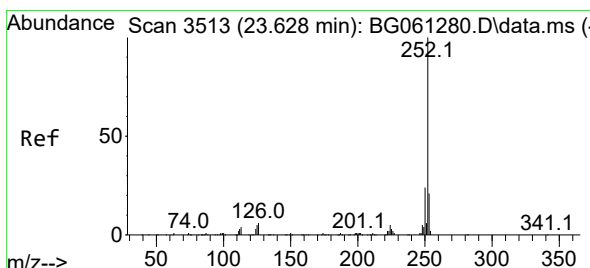
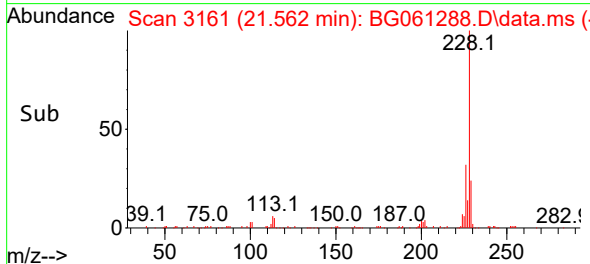
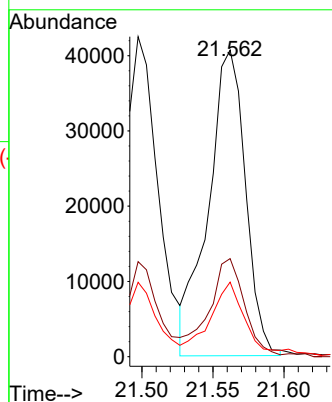
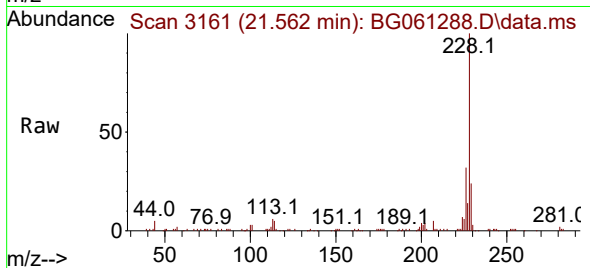
Tgt Ion:228	Resp:	73900
Ion Ratio	Lower	Upper
228	100	
226	32.0	23.4 35.0
229	24.3	15.4 23.2

Manual Integrations

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Supervised By :mohammad ahmed 05/27/2024



#90

Benzo(b)fluoranthene

Concen: 6.584 ng/ul

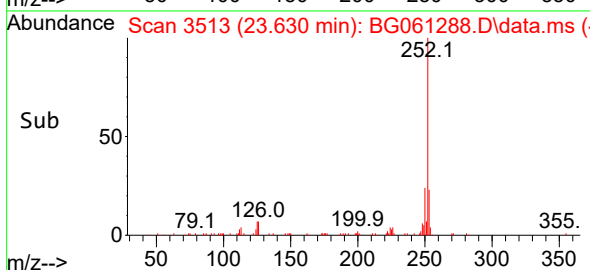
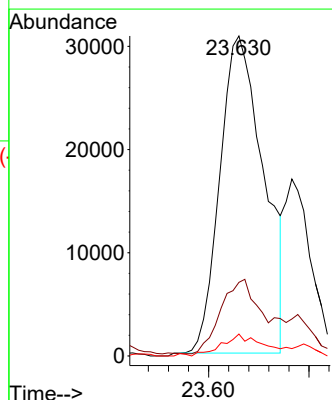
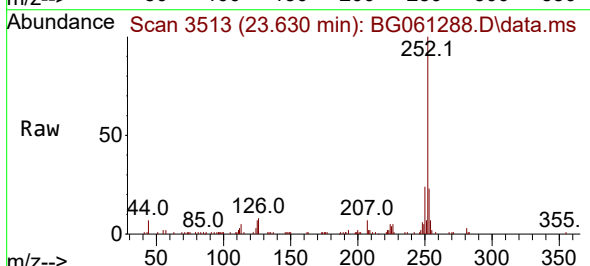
RT: 23.630 min Scan# 3513

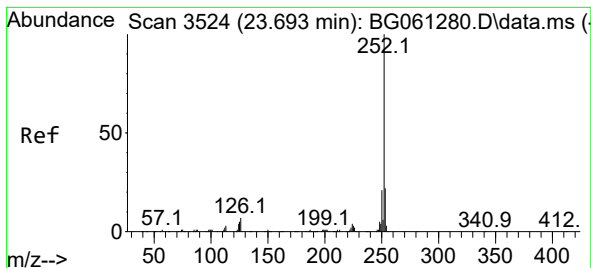
Delta R.T. 0.001 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Tgt Ion:252	Resp:	93143
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.8 26.8
125	6.8	4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 2.103 ng/ul

RT: 23.683 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Instrument :

BNA_G

ClientSampleId :

BH5Y5

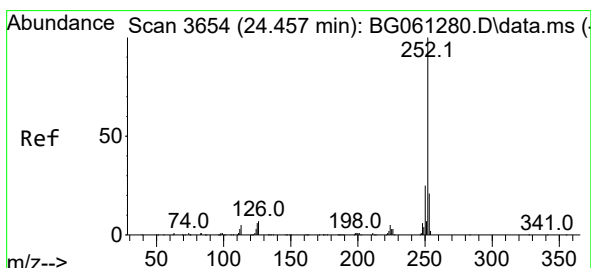
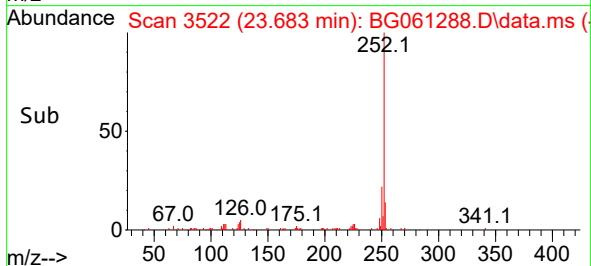
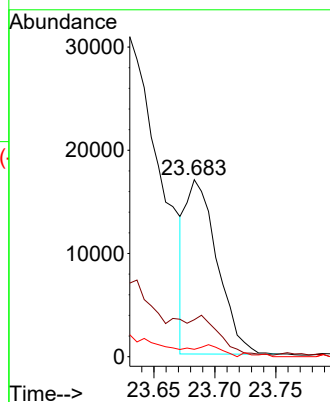
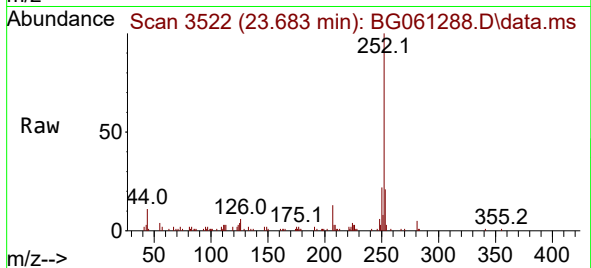
Tgt Ion:	252	Resp:	3019
Ion Ratio	Lower	Upper	
252	100		
253	20.9	16.0	24.0
125	4.2	4.3	6.5

Manual Integrations

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Supervised By :mohammad ahmed 05/27/2024



#93

Benzo(a)pyrene

Concen: 4.809 ng/ul

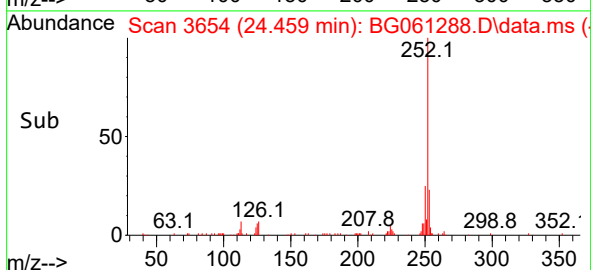
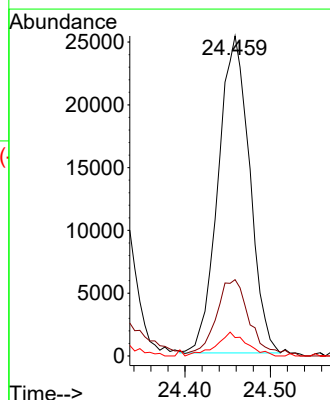
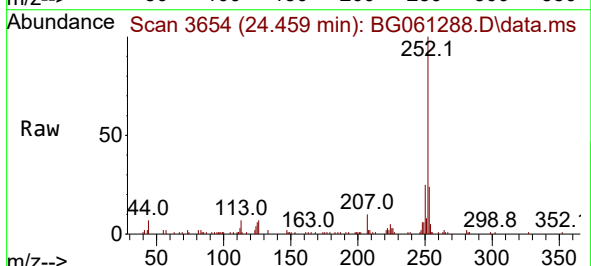
RT: 24.459 min Scan# 3654

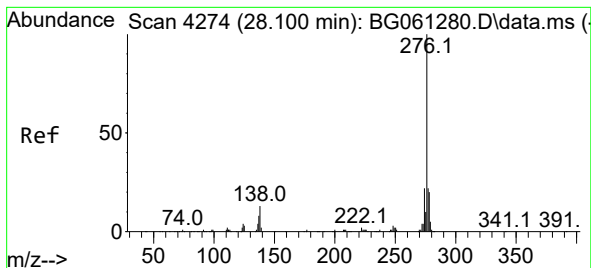
Delta R.T. -0.005 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Tgt Ion:	252	Resp:	64594
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.4	24.6
125	5.8	4.3	6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.875 ng/ul

RT: 28.096 min Scan# 41

Delta R.T. -0.011 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

Instrument :

BNA_G

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BH5Y5

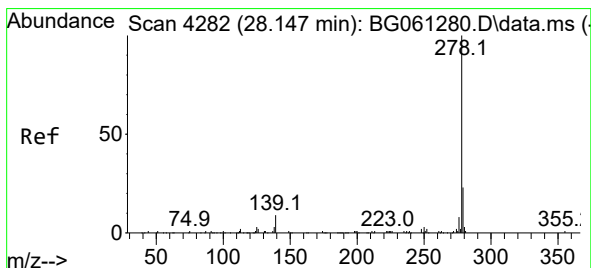
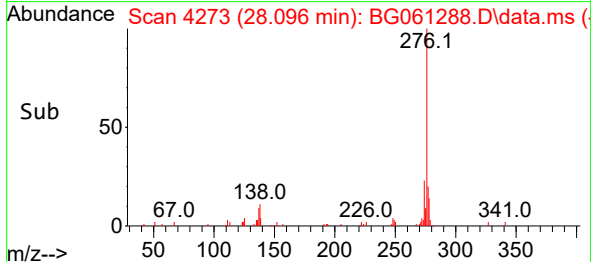
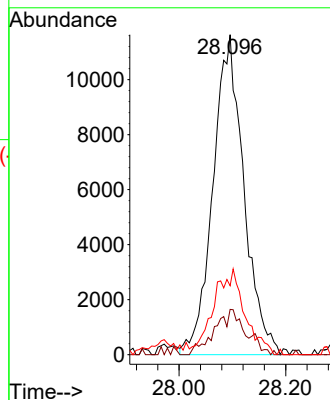
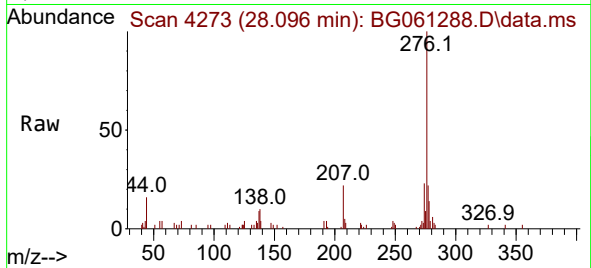
Tgt Ion:276 Resp: 4669
 Ion Ratio Lower Upper
 276 100
 138 14.1 8.6 13.0
 277 21.5 19.7 29.5

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Supervised By :mohammad ahmed 05/27/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.002 ng/ul m

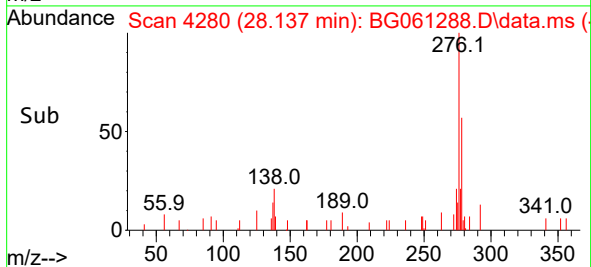
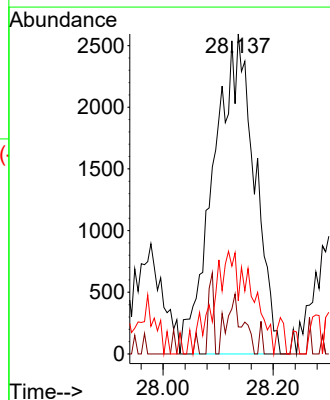
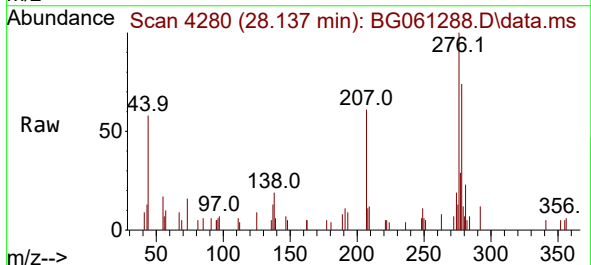
RT: 28.137 min Scan# 4280

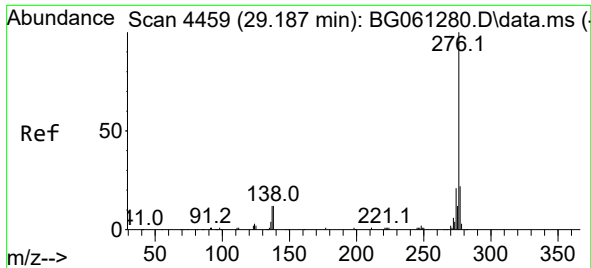
Delta R.T. -0.022 min

Lab File: BG061288.D

Acq: 24 May 2024 15:11

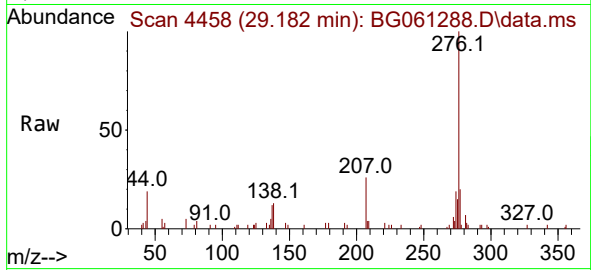
Tgt Ion:278 Resp: 13420
 Ion Ratio Lower Upper
 278 100
 139 8.4 6.4 9.6
 279 16.7 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 3.433 ng/ul m
RT: 29.182 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG061288.D
Acq: 24 May 2024 15:11

Instrument :
BNA_G
ClientSampleId :
BH5Y5



Tgt Ion:276 Resp: 44370
Ion Ratio Lower Upper
276 100
138 12.7 8.7 13.1
277 20.1 18.2 27.2

Manual Integrations
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Supervised By :mohammad ahmed 05/27/2024

