

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061413.D
 Acq On : 1 Jun 2024 5:10
 Operator : MA/JU
 Sample : P2588-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6E6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 01 05:48:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.872	152	25312	20.000	ng/ul	0.00
20) Naphthalene-d8	10.663	136	102373	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.506	164	77906	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.256	188	176001	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.515	240	180839	20.000	ng/ul	0.00
88) Perylene-d12	24.594	264	205725	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.342	96	1626	3.595	ng/uL	0.00
4) Pyridine-d5	3.742	84	26545	16.497	ng/ul	0.00
7) Phenol-d5	7.062	99	37712	18.143	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	25888	19.815	ng/ul	0.00
11) 2-Chlorophenol-d4	7.414	132	33762	21.947	ng/ul	0.00
15) 4-Methylphenol-d8	8.595	113	28816	16.258	ng/ul	0.00
21) Nitrobenzene-d5	9.030	128	16052	20.365	ng/ul	0.00
24) 2-Nitrophenol-d4	9.753	143	20030	21.714	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.299	165	39899	22.186	ng/ul	0.00
31) 4-Chloroaniline-d4	10.804	131	38596	16.405	ng/ul	0.00
46) Dimethylphthalate-d6	13.912	166	134308	22.228	ng/ul	0.00
49) Acenaphthylene-d8	14.200	160	147140	23.424	ng/ul	0.00
54) 4-Nitrophenol-d4	14.747	143	12826	17.170	ng/ul	0.00
60) Fluorene-d10	15.505	176	124701	23.905	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	15522	14.582	ng/ul	0.00
73) Anthracene-d10	17.355	188	216119	27.853	ng/ul	0.00
81) Pyrene-d10	19.653	212	256426	27.616	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.394	264	275464	27.852	ng/ul	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.303	178	115632	13.536	ng/ul	98
74) Anthracene	17.391	178	17131	1.940	ng/ul	99
77) Carbazole	17.661	167	10726	1.493	ng/ul	97
80) Fluoranthene	19.318	202	339005	30.434	ng/ul	99
82) Pyrene	19.682	202	312755	27.050	ng/ul	99
85) Benzo(a)anthracene	21.492	228	186465	14.944	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.404	149	7884	1.341	ng/ul#	95
87) Chrysene	21.556	228	192560	16.760	ng/ul	95
90) Benzo(b)fluoranthene	23.619	252	265059	21.640	ng/ul	99
91) Benzo(k)fluoranthene	23.683	252	89450m	7.194	ng/ul	
93) Benzo(a)pyrene	24.453	252	187459	16.117	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	28.096	276	132584m	9.426	ng/ul	
95) Dibenzo(a,h)anthracene	28.137	278	34100m	2.940	ng/ul	
96) Benzo(g,h,i)perylene	29.194	276	123524m	11.039	ng/ul	

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

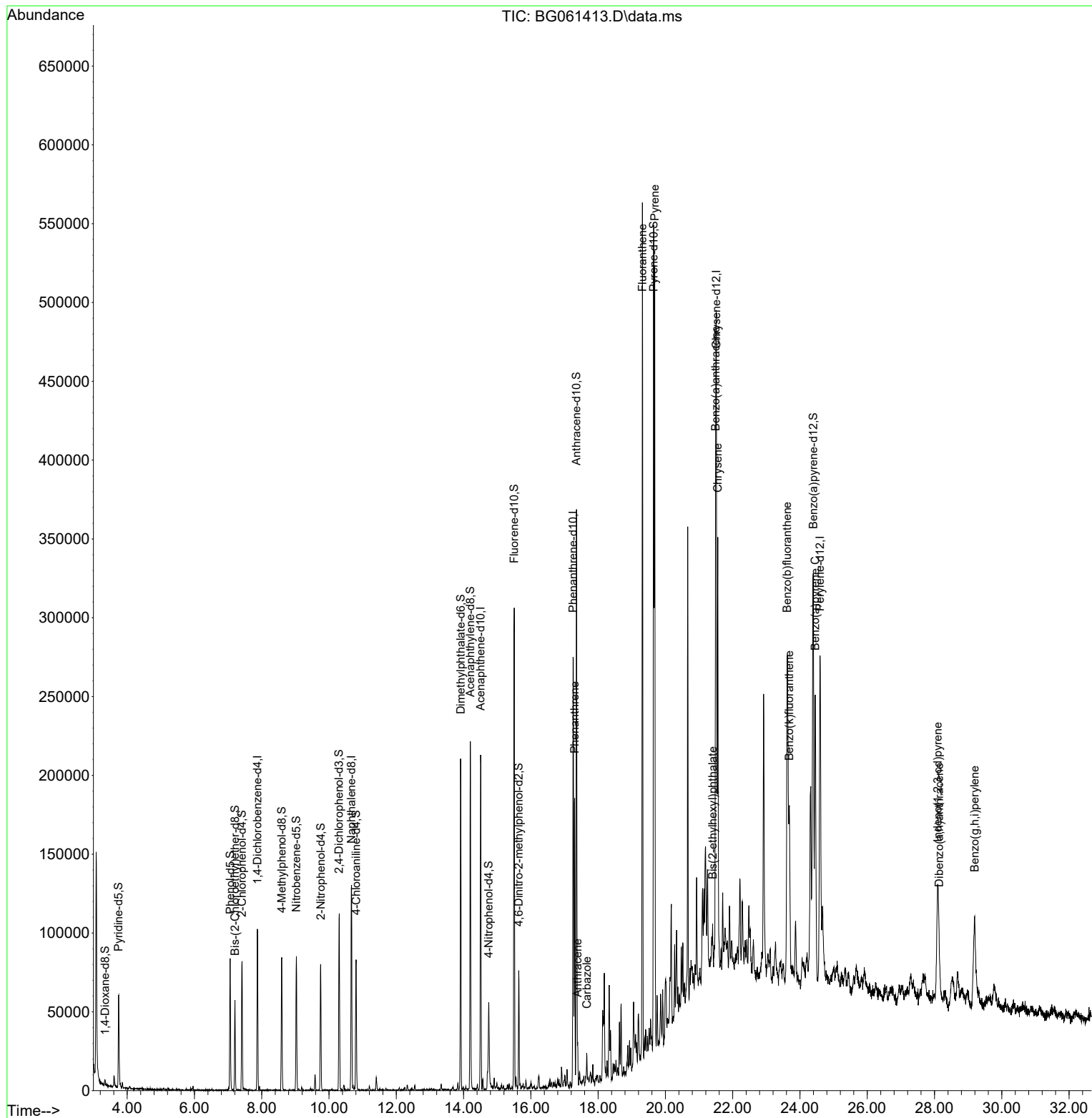
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 Data File : BG061413.D
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 Misc :
 ALS Vial : 24 Sample Multiplier: 1

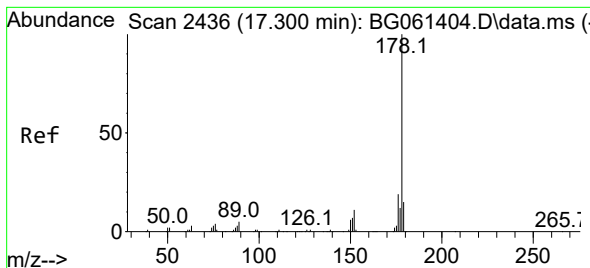
Instrument :
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#72

Phenanthrene

Concen: 13.536 ng/ul

RT: 17.303 min Scan# 2436

Delta R.T. 0.003 min

Lab File: BG061413.D

Acq: 1 Jun 2024 5:10

Instrument :

BNA_G

ClientSampleId :

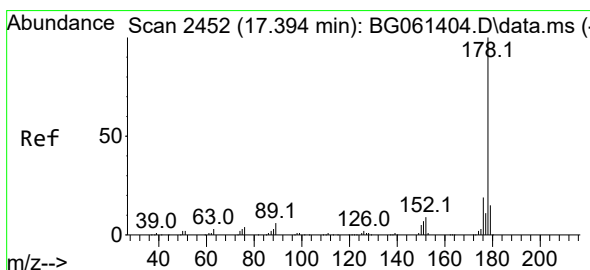
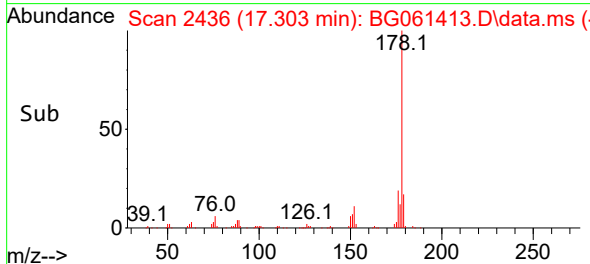
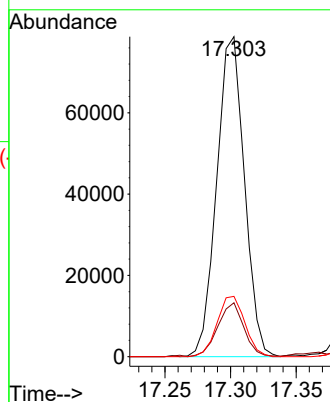
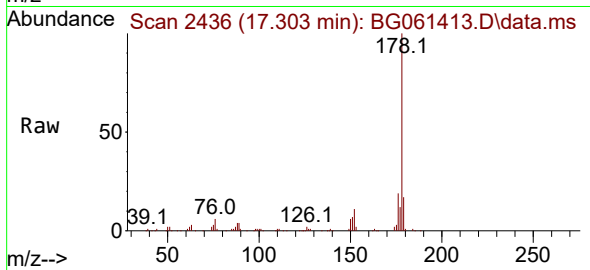
BH6E6

Tgt Ion:178 Resp: 11563
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.7 19.1
 176 18.8 15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 1.940 ng/ul

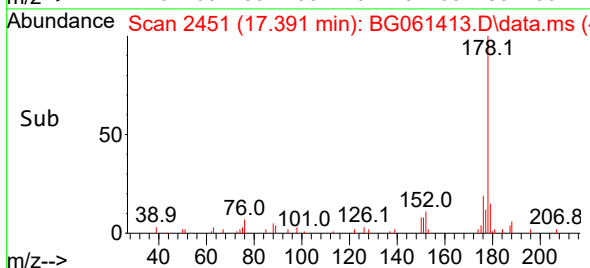
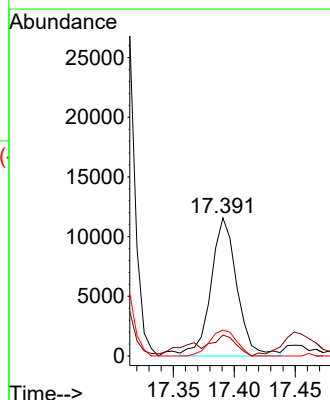
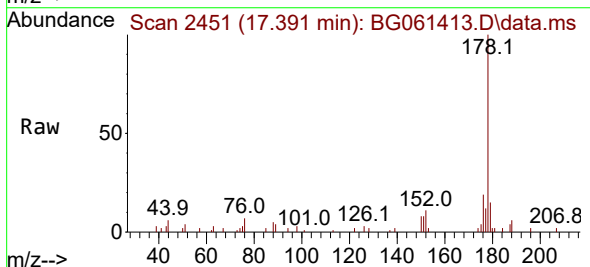
RT: 17.391 min Scan# 2451

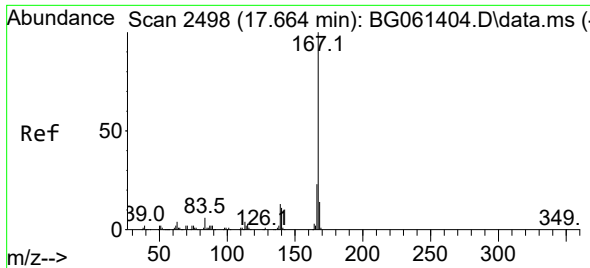
Delta R.T. -0.003 min

Lab File: BG061413.D

Acq: 1 Jun 2024 5:10

Tgt Ion:178 Resp: 17131
 Ion Ratio Lower Upper
 178 100
 179 15.1 11.8 17.6
 176 18.7 14.9 22.3





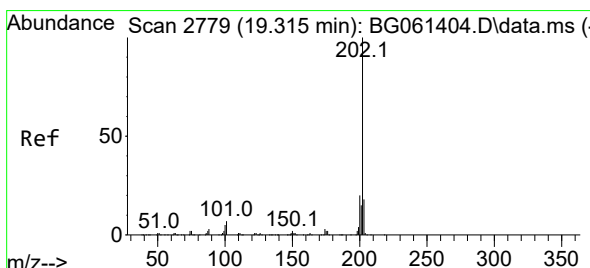
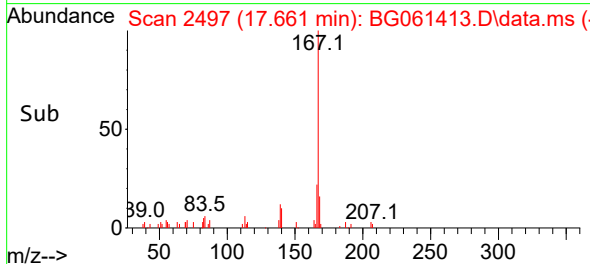
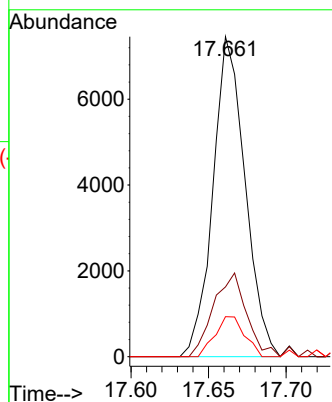
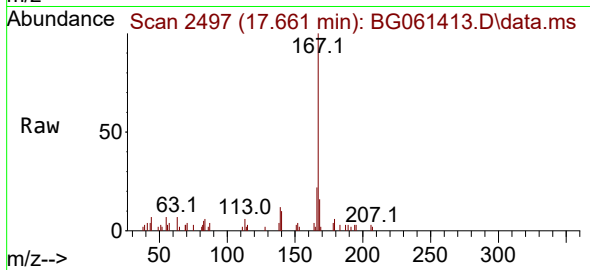
#77
 Carbazole
 Concen: 1.493 ng/ul
 RT: 17.661 min Scan# 2498
 Delta R.T. -0.003 min
 Lab File: BG061413.D
 Acq: 1 Jun 2024 5:10

Instrument :
 BNA_G
 ClientSampleId :
 BH6E6

Tgt Ion:167 Resp: 10720
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.6 28.0
 139 12.5 10.6 15.8

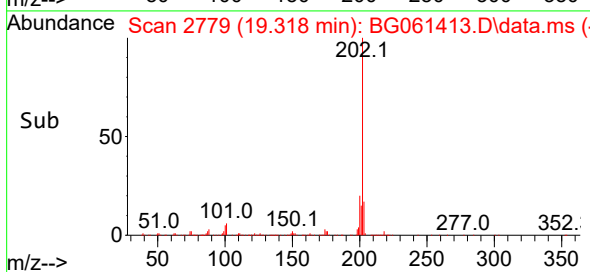
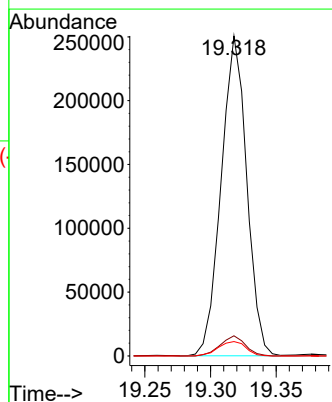
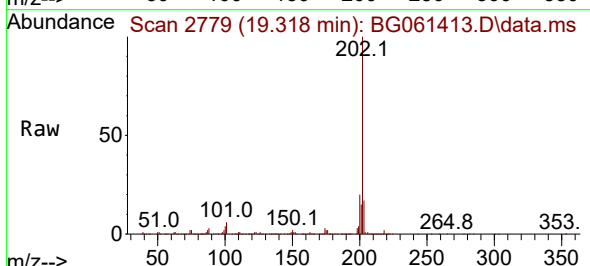
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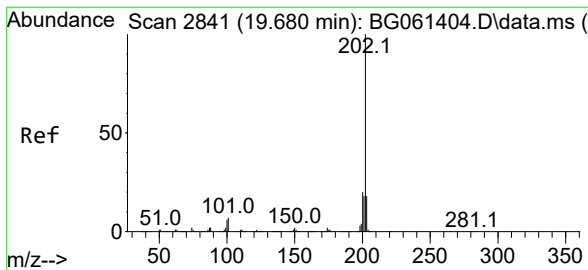
Reviewed By :Jagrut Upadhyay 06/03/2024
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#80
 Fluoranthene
 Concen: 30.434 ng/ul
 RT: 19.318 min Scan# 2779
 Delta R.T. 0.003 min
 Lab File: BG061413.D
 Acq: 1 Jun 2024 5:10

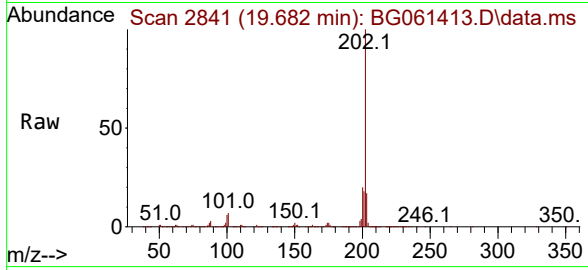
Tgt Ion:202 Resp: 339005
 Ion Ratio Lower Upper
 202 100
 101 6.3 4.8 7.2
 100 4.5 4.1 6.1





#82
 Pyrene
 Concen: 27.050 ng/ul
 RT: 19.682 min Scan# 2149
 Delta R.T. 0.003 min
 Lab File: BG061413.D
 Acq: 1 Jun 2024 5:10

Instrument :
 BNA_G
 ClientSampleId :
 BH6E6

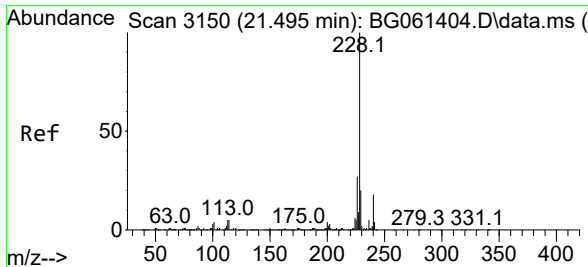
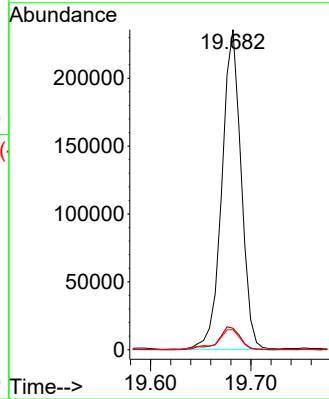
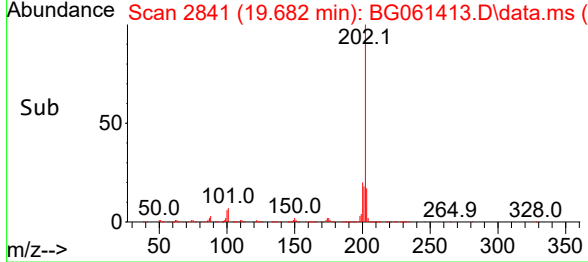


Tgt Ion: 202 Resp: 31275

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.7	8.5
100	6.2	5.1	7.7

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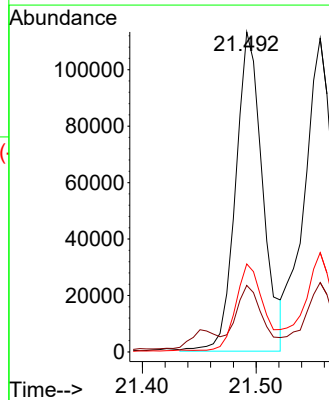
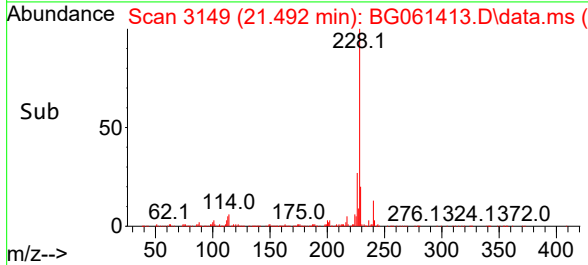
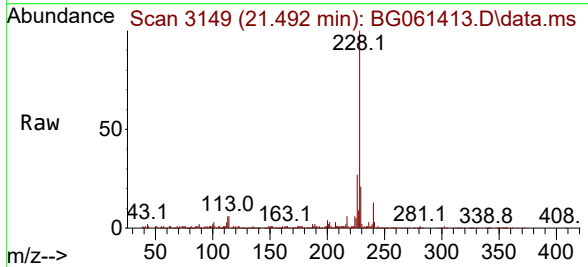
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

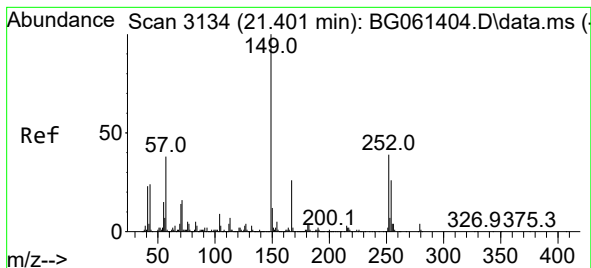


#85
 Benzo(a)anthracene
 Concen: 14.944 ng/ul
 RT: 21.492 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: BG061413.D
 Acq: 1 Jun 2024 5:10

Tgt Ion: 228 Resp: 186465

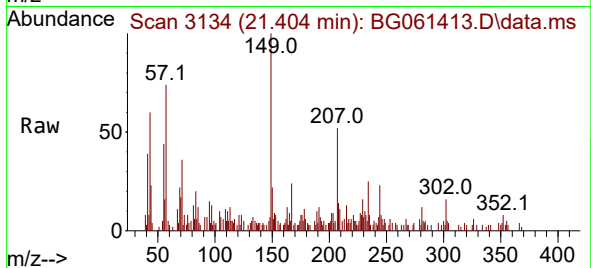
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.2	22.8
226	27.5	21.4	32.2





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.341 ng/ul
 RT: 21.404 min Scan# 3134
 Delta R.T. -0.003 min
 Lab File: BG061413.D
 Acq: 1 Jun 2024 5:10

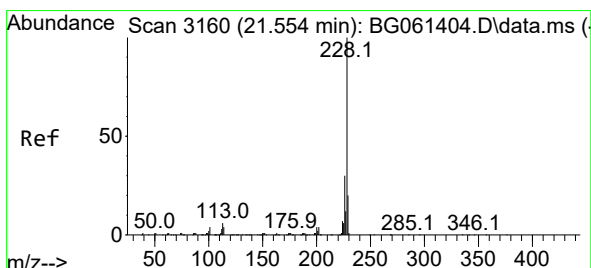
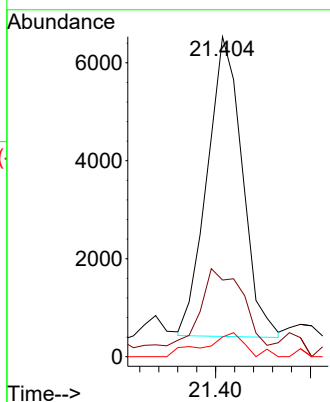
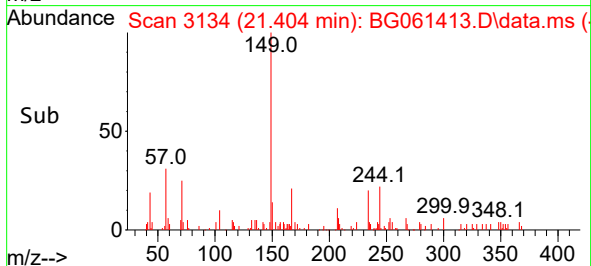
Instrument :
 BNA_G
 ClientSampleId :
 BH6E6



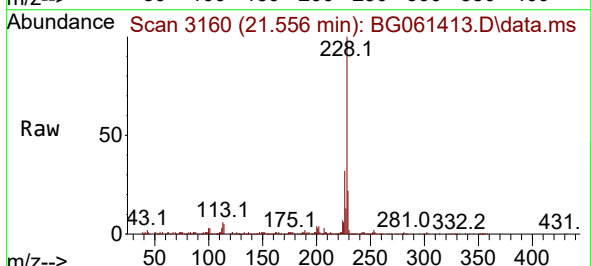
Tgt Ion:149 Resp: 7884
 Ion Ratio Lower Upper
 149 100
 167 24.0 21.1 31.7
 279 6.2 3.3 4.9

Manual Integrations
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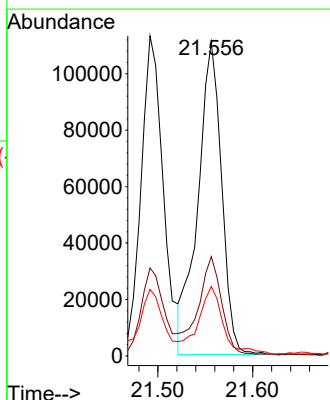
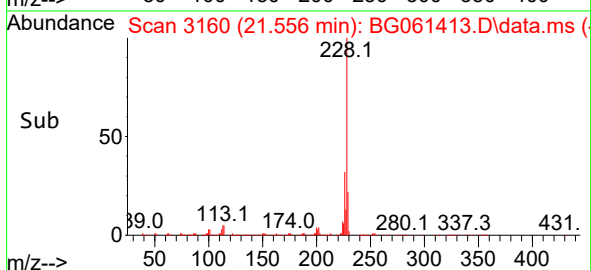
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

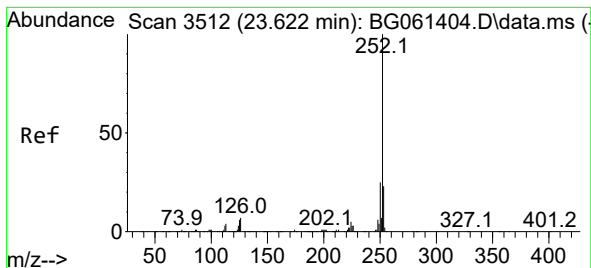


#87
 Chrysene
 Concen: 16.760 ng/ul
 RT: 21.556 min Scan# 3160
 Delta R.T. 0.003 min
 Lab File: BG061413.D
 Acq: 1 Jun 2024 5:10



Tgt Ion:228 Resp: 192560
 Ion Ratio Lower Upper
 228 100
 226 31.7 23.4 35.0
 229 22.1 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 21.640 ng/ul

RT: 23.619 min Scan# 3511

Delta R.T. 0.003 min

Lab File: BG061413.D

Acq: 1 Jun 2024 5:10

Instrument :

BNA_G

ClientSampleId :

BH6E6

Tgt Ion:252 Resp: 265059

Ion Ratio Lower Upper

252 100

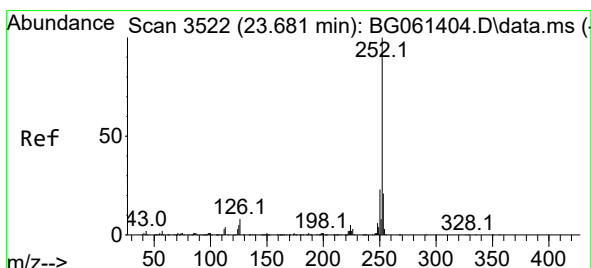
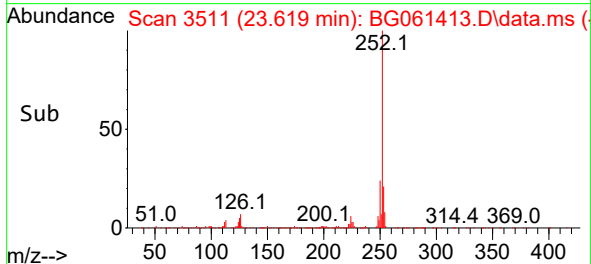
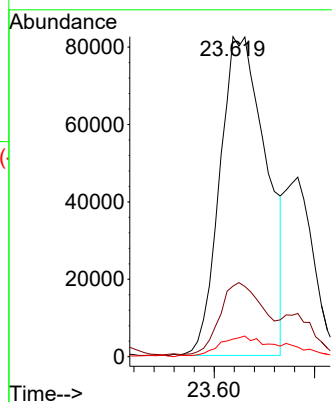
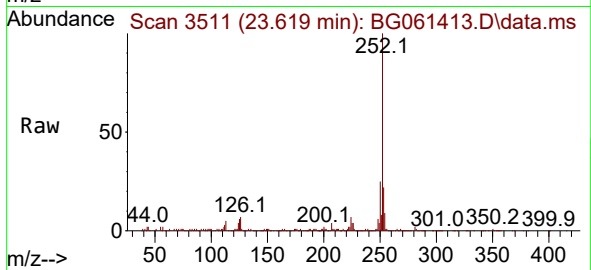
253 22.0 17.8 26.8

125 5.5 4.6 6.8

Manual Integrations

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#91

Benzo(k)fluoranthene

Concen: 7.194 ng/ul m

RT: 23.683 min Scan# 3522

Delta R.T. 0.003 min

Lab File: BG061413.D

Acq: 1 Jun 2024 5:10

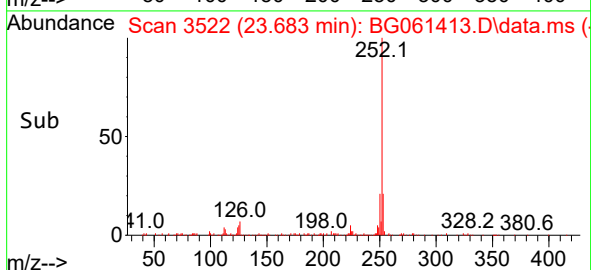
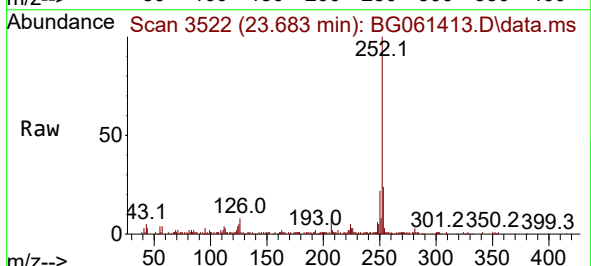
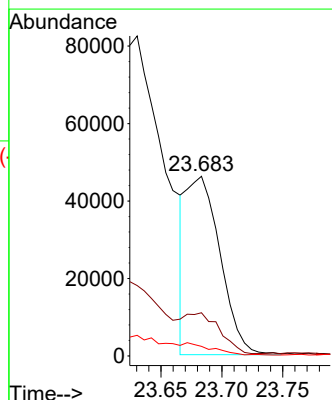
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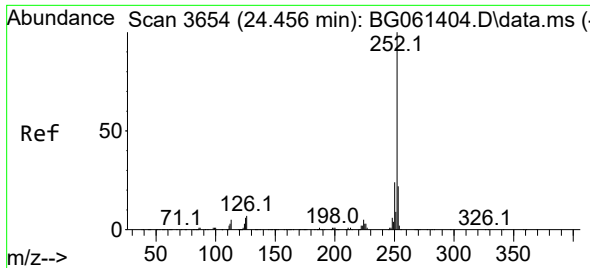
Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

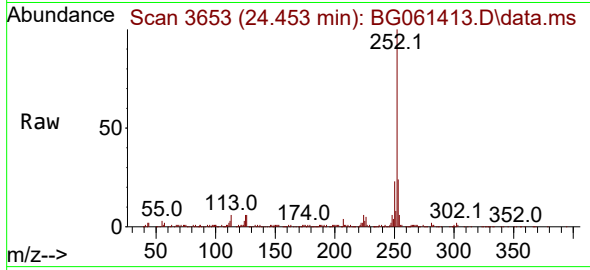
125 5.3 4.3 6.5





#93
Benzo(a)pyrene
Concen: 16.117 ng/ul
RT: 24.453 min Scan# 30
Delta R.T. 0.003 min
Lab File: BG061413.D
Acq: 1 Jun 2024 5:10

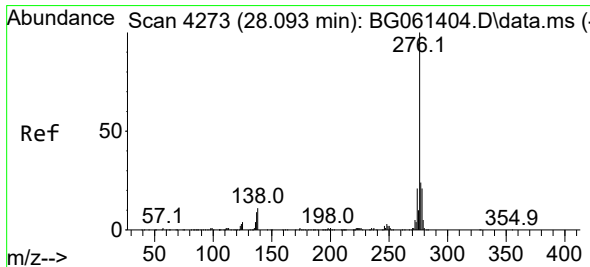
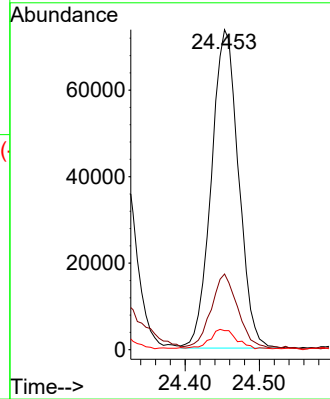
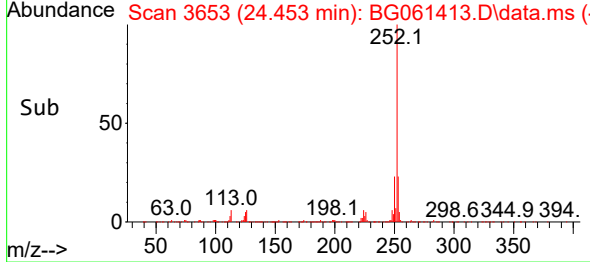
Instrument :
BNA_G
ClientSampleId :
BH6E6



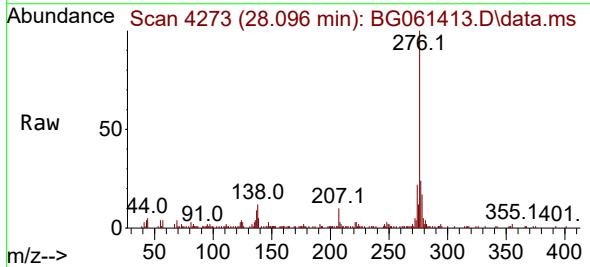
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Ion Ratio Lower Upper
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125 6.0 4.3 6.5

Manual Integrations
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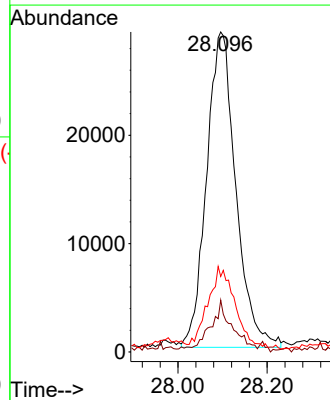
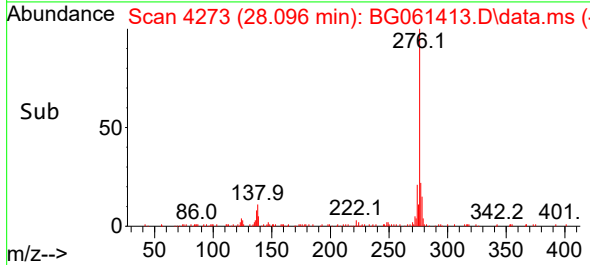
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

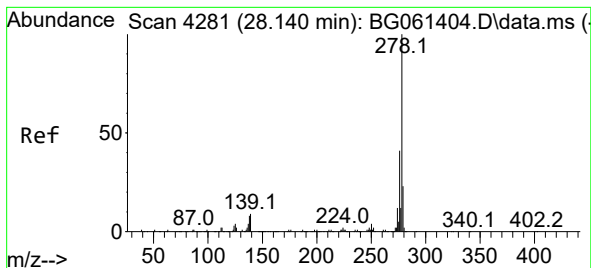


#94
Indeno(1,2,3-cd)pyrene
Concen: 9.426 ng/ul m
RT: 28.096 min Scan# 4273
Delta R.T. 0.003 min
Lab File: BG061413.D
Acq: 1 Jun 2024 5:10



Tgt Ion:276 Resp: 132584
Ion Ratio Lower Upper
276 100
138 11.5 8.6 13.0
277 23.6 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 2.940 ng/ul m

RT: 28.137 min Scan# 4281

Delta R.T. -0.003 min

Lab File: BG061413.D

Acq: 1 Jun 2024 5:10

Instrument :

BNA_G

ClientSampleId :

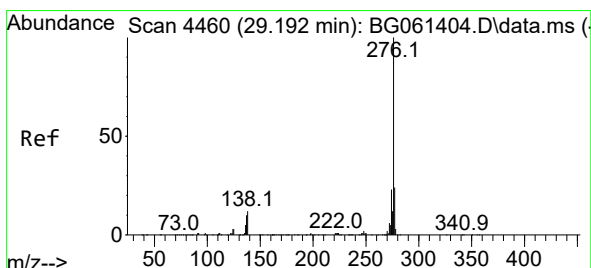
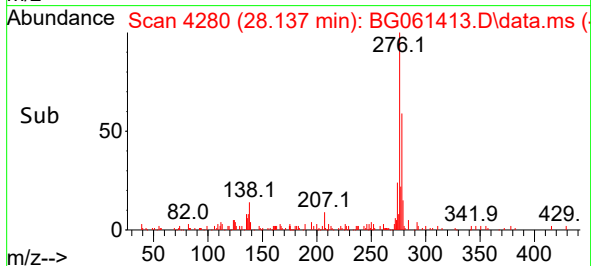
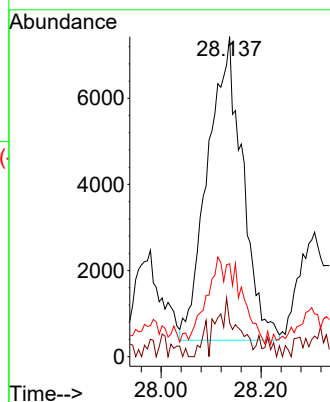
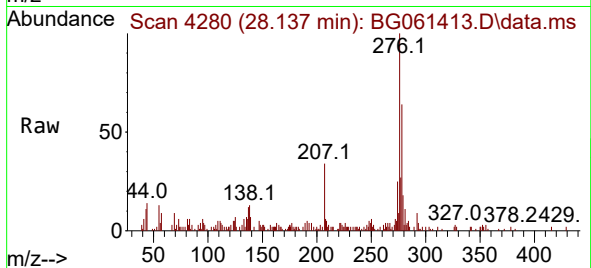
BH6E6

Tgt Ion:278 Resp: 34100
 Ion Ratio Lower Upper
 278 100
 139 10.6 6.4 9.6
 279 29.0 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024



#96

Benzo(g,h,i)perylene

Concen: 11.039 ng/ul m

RT: 29.194 min Scan# 4460

Delta R.T. 0.021 min

Lab File: BG061413.D

Acq: 1 Jun 2024 5:10

Tgt Ion:276 Resp: 123524
 Ion Ratio Lower Upper
 276 100
 138 11.6 8.7 13.1
 277 24.0 18.2 27.2

