

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061480.D
 Acq On : 5 Jun 2024 8:39
 Operator : MA/JU
 Sample : P2577-08DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBNDL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 09:13:38 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	7.874	152	37316	20.000	ng/u1	0.00
20) Naphthalene-d8	10.665	136	139697	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.507	164	105546	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.263	188	240899	20.000	ng/u1	0.00
79) Chrysene-d12	21.522	240	263722	20.000	ng/u1	0.01
88) Perylene-d12	24.613	264	301935	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.332	96	1375	2.062	ng/uL	0.00
4) Pyridine-d5	3.743	84	13755	5.798	ng/u1	0.00
7) Phenol-d5	7.063	99	34338	11.205	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.204	67	23512	12.207	ng/u1	0.00
11) 2-Chlorophenol-d4	7.415	132	28203	12.436	ng/u1	0.00
15) 4-Methylphenol-d8	8.596	113	30047	11.499	ng/u1	0.00
21) Nitrobenzene-d5	9.031	128	15766	14.658	ng/u1	0.00
24) 2-Nitrophenol-d4	9.754	143	17423	13.841	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.306	165	36441	14.849	ng/u1	0.00
31) 4-Chloroaniline-d4	10.811	131	13541	4.218	ng/u1	0.01
46) Dimethylphthalate-d6	13.914	166	133510	16.310	ng/u1	0.00
49) Acenaphthylene-d8	14.202	160	130131	15.291	ng/u1	0.00
54) 4-Nitrophenol-d4	14.760	143	10768	10.640	ng/u1	0.02
60) Fluorene-d10	15.506	176	102515	14.505	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.653	200	13133	9.014	ng/u1	0.02
73) Anthracene-d10	17.363	188	167293	15.752	ng/u1	0.00
81) Pyrene-d10	19.660	212	209365	15.462	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.401	264	229112	15.784	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.712	128	14755	2.001	ng/u1	95
36) 2-Methylnaphthalene	12.327	142	7878	1.473	ng/u1	97
37) 1-Methylnaphthalene	12.545	142	5748	1.047	ng/u1#	92
50) Acenaphthylene	14.237	152	15931	1.688	ng/u1#	91
52) Acenaphthene	14.572	153	7693	1.243	ng/u1	95
56) Dibenzofuran	14.913	168	17429	1.969	ng/u1	89
61) Fluorene	15.559	166	12244	1.599	ng/u1#	93
72) Phenanthrene	17.304	178	331921	28.388	ng/u1	100
74) Anthracene	17.398	178	52223	4.320	ng/u1	98
77) Carbazole	17.668	167	28576	2.906	ng/u1	99
80) Fluoranthene	19.325	202	808072	49.745	ng/u1	98
82) Pyrene	19.689	202	733031	43.474	ng/u1	99
85) Benzo(a)anthracene	21.505	228	461414	25.357	ng/u1	98
87) Chrysene	21.564	228	489242	29.199	ng/u1	97
90) Benzo(b)fluoranthene	23.643	252	682540	37.967	ng/u1	99
91) Benzo(k)fluoranthene	23.696	252	250541m	13.728	ng/u1	
93) Benzo(a)pyrene	24.472	252	437504	25.629	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	28.132	276	314092m	15.215	ng/u1	
95) Dibenzo(a,h)anthracene	28.156	278	82520m	4.848	ng/u1	
96) Benzo(g,h,i)perylene	29.225	276	257915m	15.705	ng/u1	

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

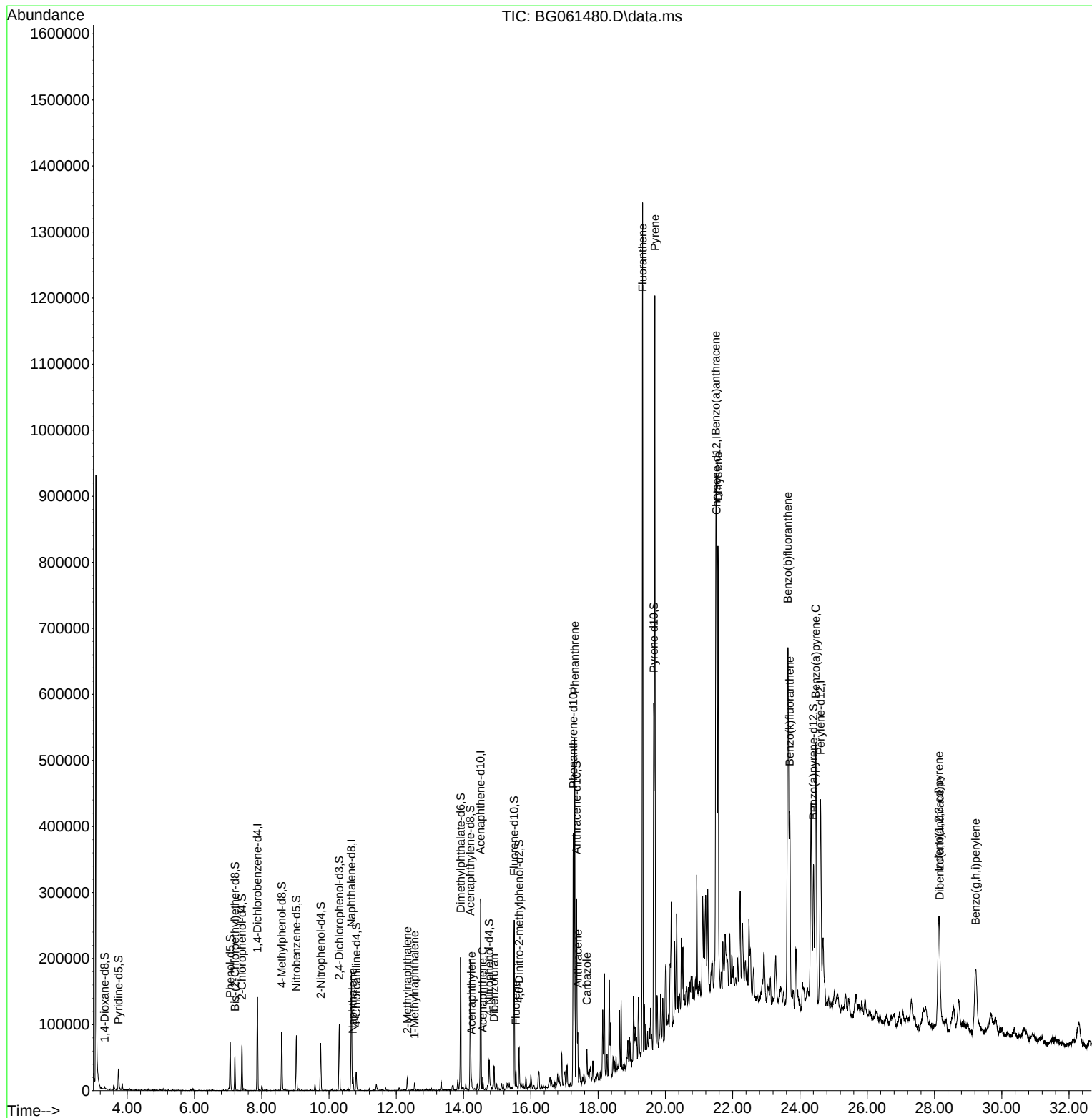
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061480.D
 Acq On : 5 Jun 2024 8:39
 Operator : MA/JU
 Sample : P2577-08DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

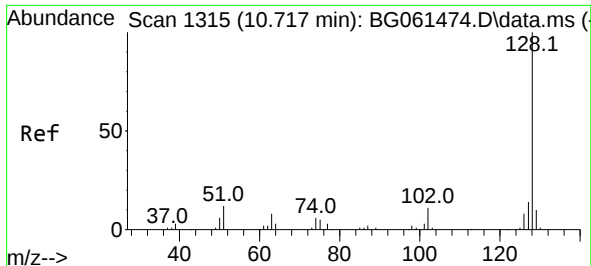
Instrument :
 BNA_G
 ClientSampleId :
 BHBN6DL

Quant Time: Jun 05 09:13:38 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

Manual Integrations APPROVED

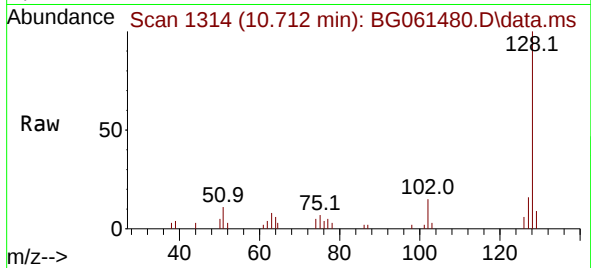
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024





#30
Naphthalene
Concen: 2.001 ng/ul
RT: 10.712 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39

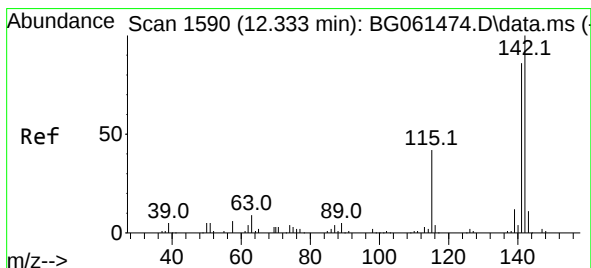
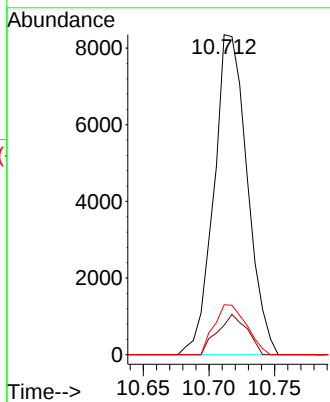
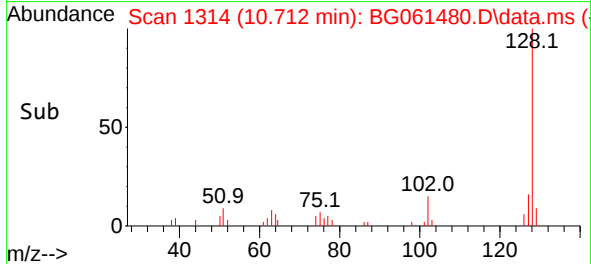
Instrument :
BNA_G
ClientSampleId :
BHBN6DL



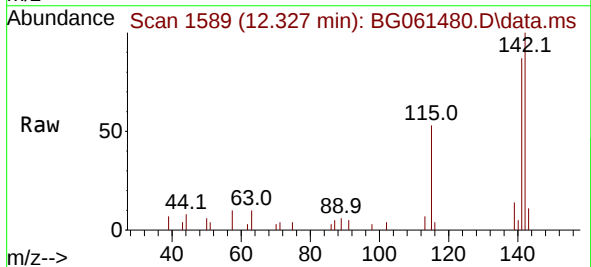
Tgt Ion:128 Resp: 1475
Ion Ratio Lower Upper
128 100
129 9.2 8.6 12.8
127 15.6 10.8 16.2

Manual Integrations
APPROVED

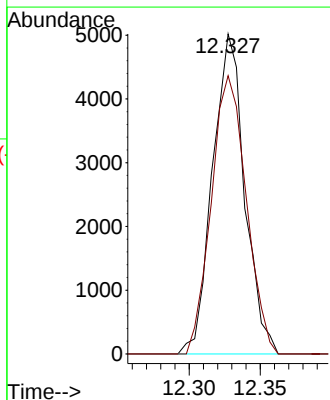
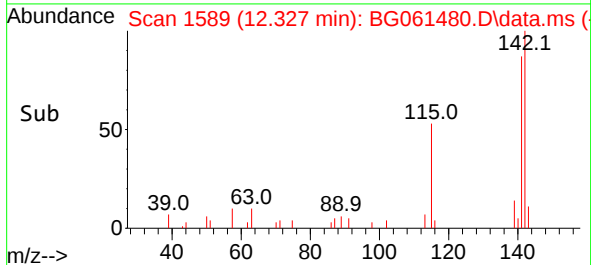
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

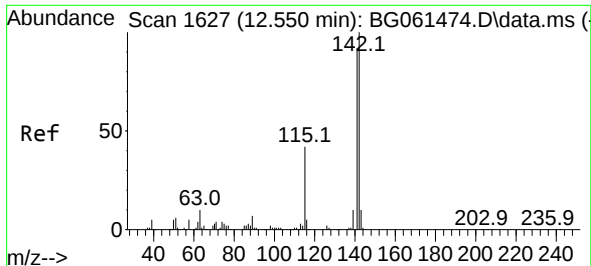


#36
2-Methylnaphthalene
Concen: 1.473 ng/ul
RT: 12.327 min Scan# 1589
Delta R.T. -0.001 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39



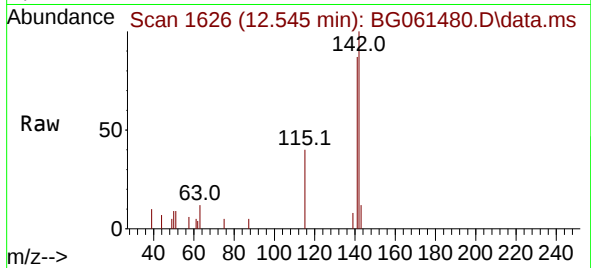
Tgt Ion:142 Resp: 7878
Ion Ratio Lower Upper
142 100
141 87.0 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.047 ng/ul
RT: 12.545 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39

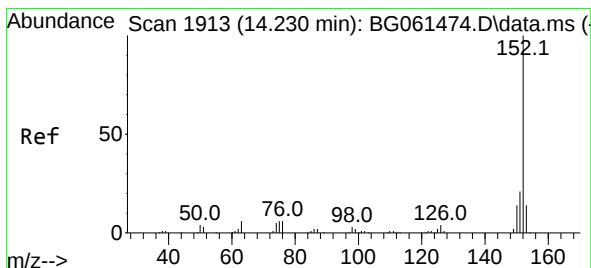
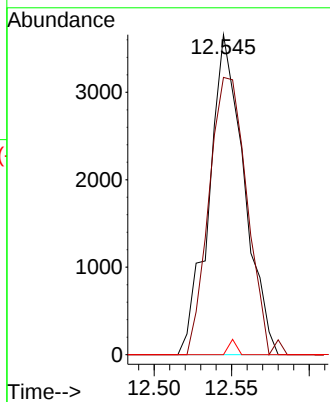
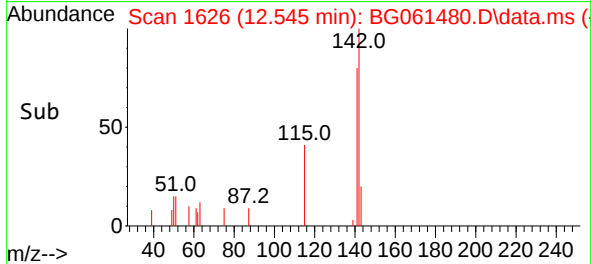
Instrument :
BNA_G
ClientSampleId :
BHBN6DL



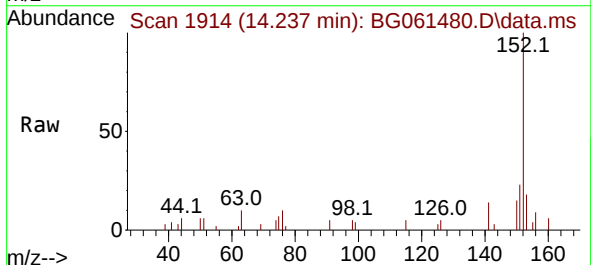
Tgt Ion:142 Resp: 5748
Ion Ratio Lower Upper
142 100
141 86.7 75.5 113.3
116 0.0 4.0 6.0

Manual Integrations
APPROVED

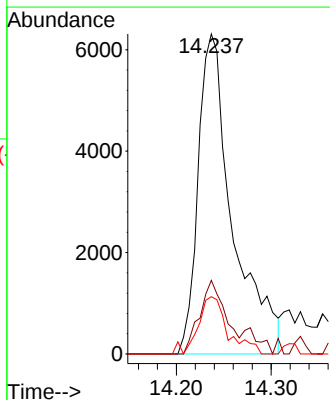
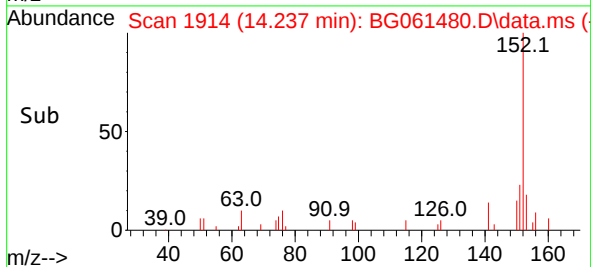
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

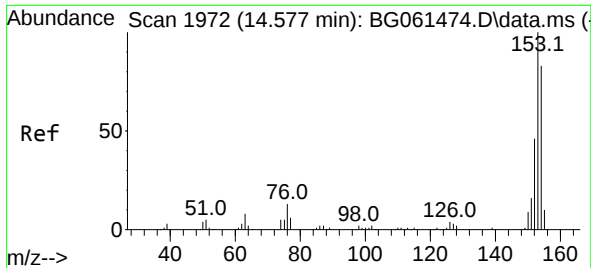


#50
Acenaphthylene
Concen: 1.688 ng/ul
RT: 14.237 min Scan# 1914
Delta R.T. 0.004 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39



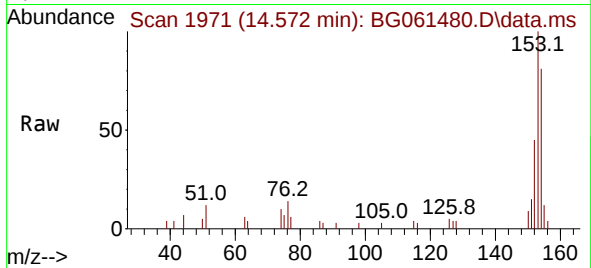
Tgt Ion:152 Resp: 15931
Ion Ratio Lower Upper
152 100
151 23.0 16.2 24.2
153 17.9 10.2 15.4





#52
Acenaphthene
Concen: 1.243 ng/u1
RT: 14.572 min Scan# 1972
Delta R.T. -0.001 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39

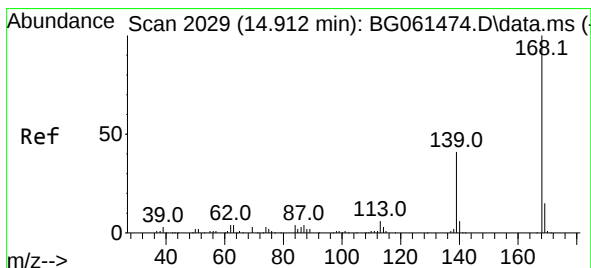
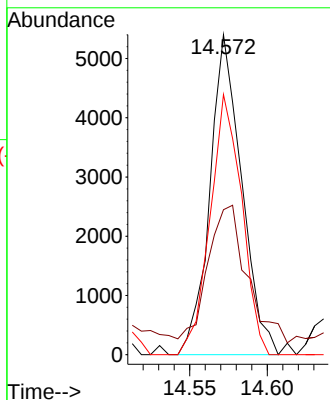
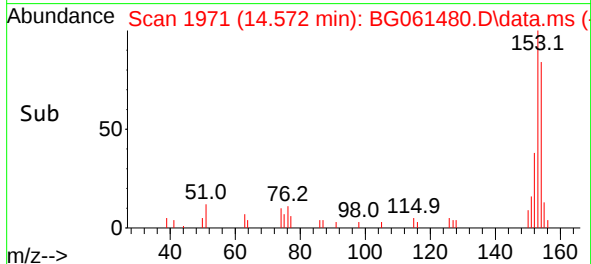
Instrument :
BNA_G
ClientSampleId :
BHBNDL



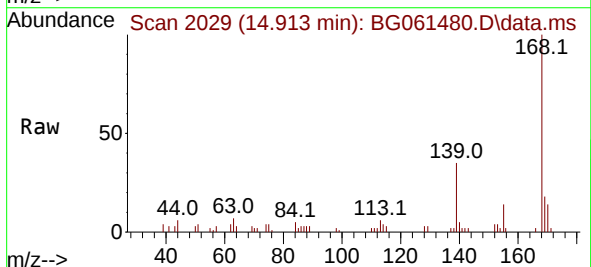
Tgt Ion:153 Resp: 769
Ion Ratio Lower Upper
153 100
152 45.3 37.8 56.8
154 81.3 69.0 103.6

Manual Integrations
APPROVED

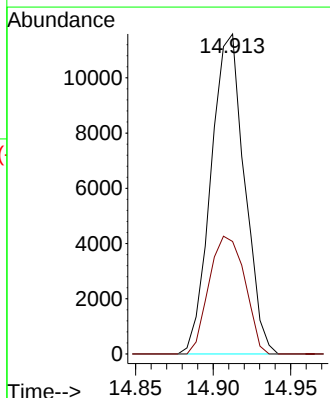
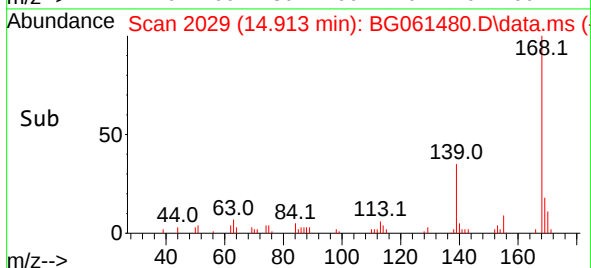
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

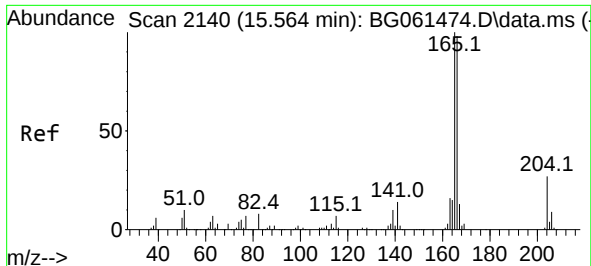


#56
Dibenzofuran
Concen: 1.969 ng/u1
RT: 14.913 min Scan# 2029
Delta R.T. 0.004 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39



Tgt Ion:168 Resp: 17429
Ion Ratio Lower Upper
168 100
139 35.1 33.4 50.2





#61
Fluorene
Concen: 1.599 ng/ul
RT: 15.559 min Scan# 2140
Delta R.T. -0.001 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39

Instrument :

BNA_G

ClientSampleId :

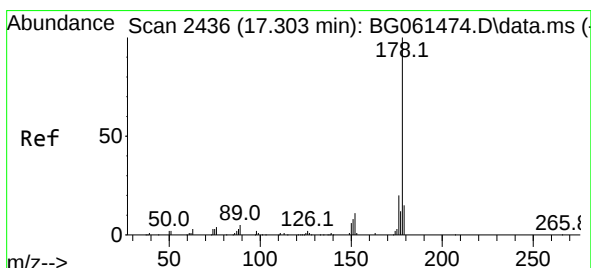
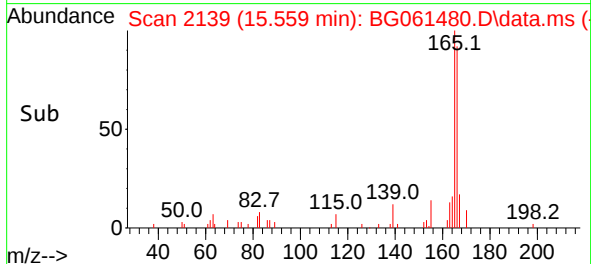
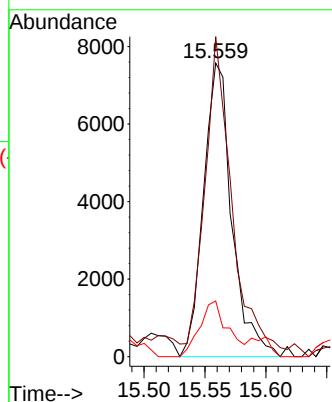
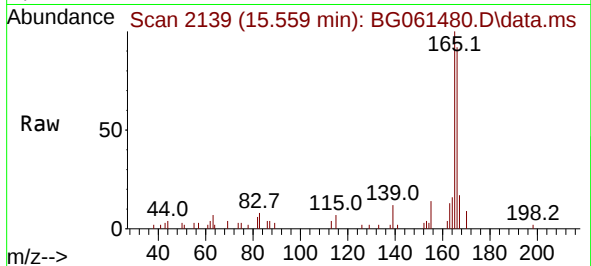
BHBN6DL

Tgt Ion:166 Resp: 12244
Ion Ratio Lower Upper
166 100
165 109.0 81.8 122.8
167 19.0 10.6 16.0

Manual Integrations

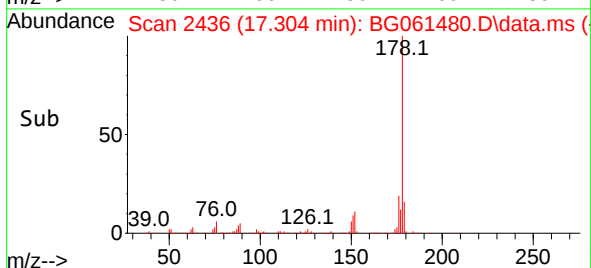
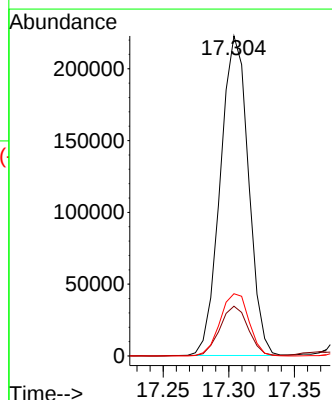
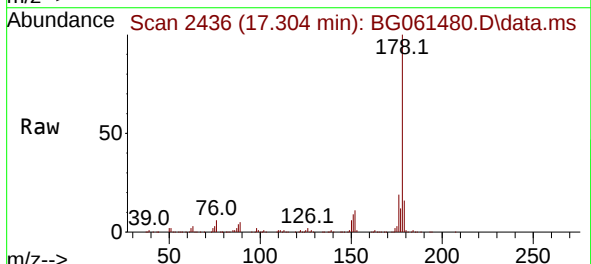
APPROVED

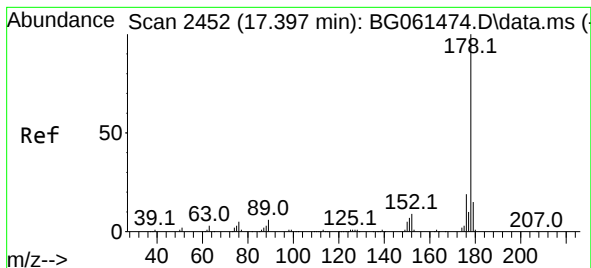
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 28.388 ng/ul
RT: 17.304 min Scan# 2436
Delta R.T. 0.004 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39

Tgt Ion:178 Resp: 331921
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 19.5 15.5 23.3





#74

Anthracene

Concen: 4.320 ng/ul

RT: 17.398 min Scan# 2452

Delta R.T. 0.004 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Instrument :

BNA_G

ClientSampleId :

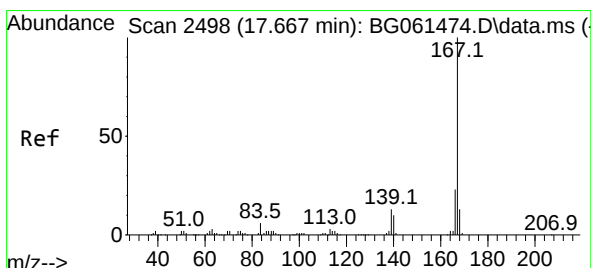
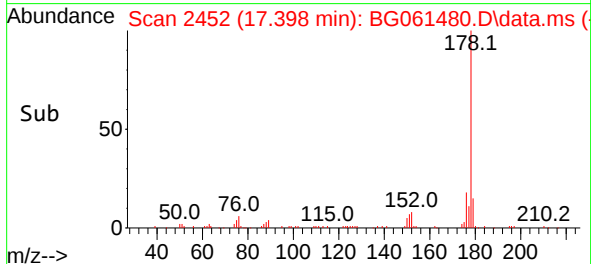
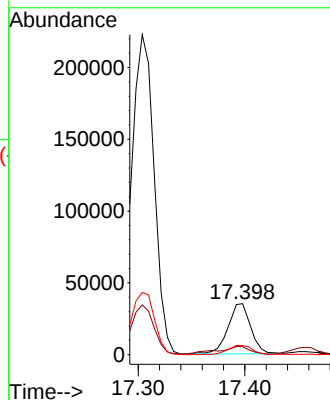
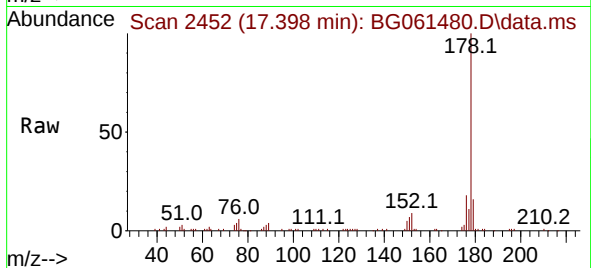
BHBN6DL

Tgt Ion:178 Resp: 5222
Ion Ratio Lower Upper
178 100
179 15.8 11.8 17.6
176 17.7 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#77

Carbazole

Concen: 2.906 ng/ul

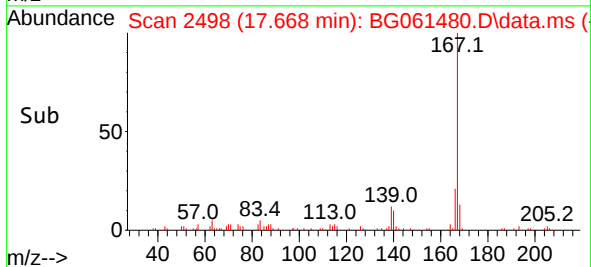
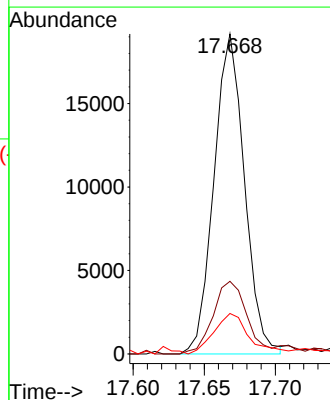
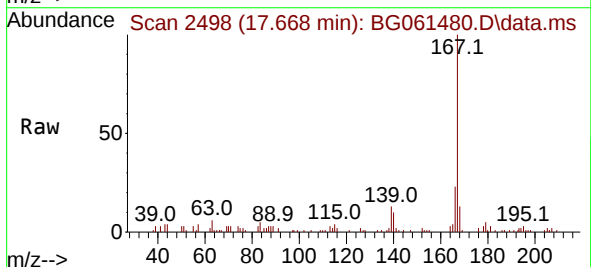
RT: 17.668 min Scan# 2498

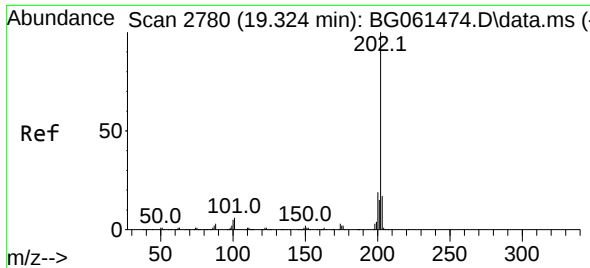
Delta R.T. 0.004 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

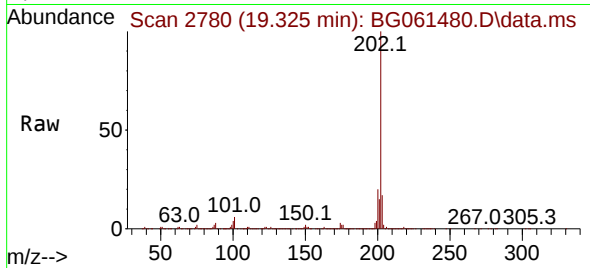
Tgt Ion:167 Resp: 28576
Ion Ratio Lower Upper
167 100
166 22.7 18.6 28.0
139 12.6 10.6 15.8





#80
Fluoranthene
Concen: 49.745 ng/u1
RT: 19.325 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39

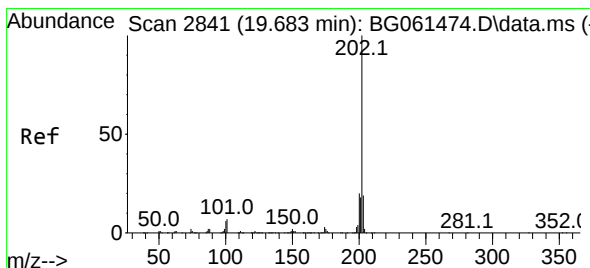
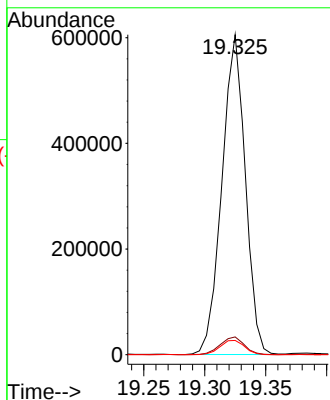
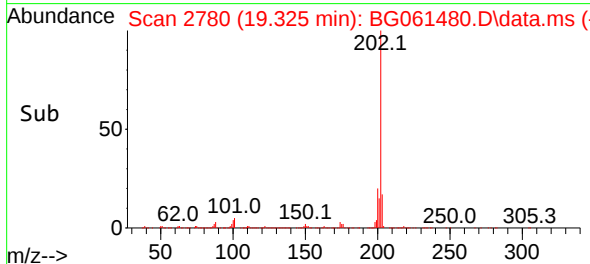
Instrument :
BNA_G
ClientSampleId :
BHBN6DL



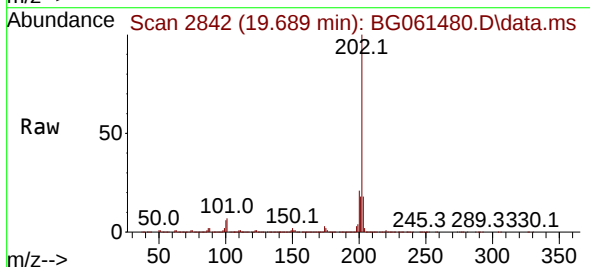
Tgt Ion:202 Resp: 808072
Ion Ratio Lower Upper
202 100
101 5.5 4.8 7.2
100 4.4 4.1 6.1

Manual Integrations
APPROVED

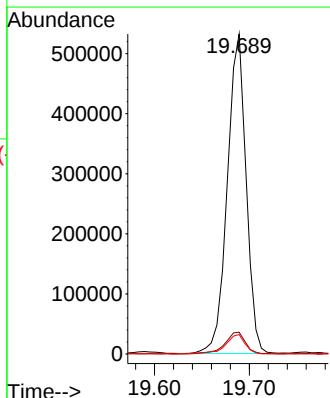
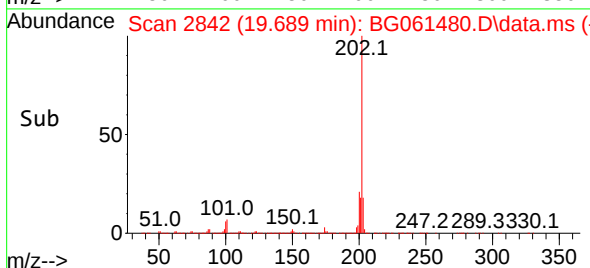
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

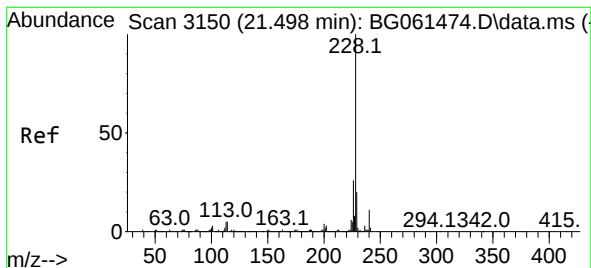


#82
Pyrene
Concen: 43.474 ng/u1
RT: 19.689 min Scan# 2842
Delta R.T. 0.010 min
Lab File: BG061480.D
Acq: 5 Jun 2024 8:39



Tgt Ion:202 Resp: 733031
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 6.0 5.1 7.7





#85

Benzo(a)anthracene

Concen: 25.357 ng/uI

RT: 21.505 min Scan# 3151

Delta R.T. 0.010 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Instrument :

BNA_G

ClientSampleId :

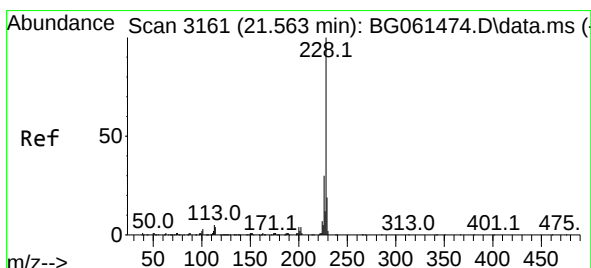
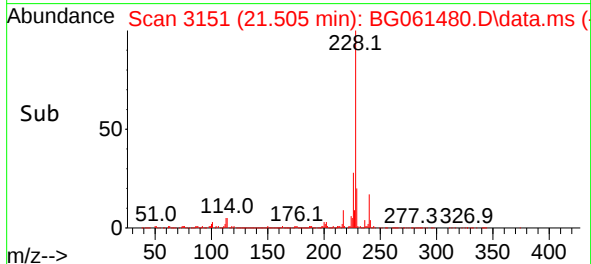
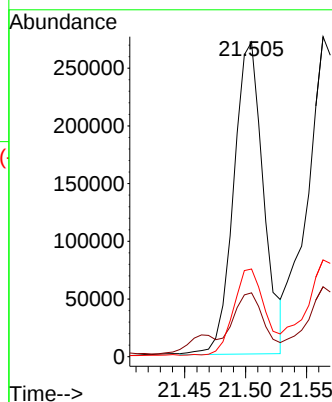
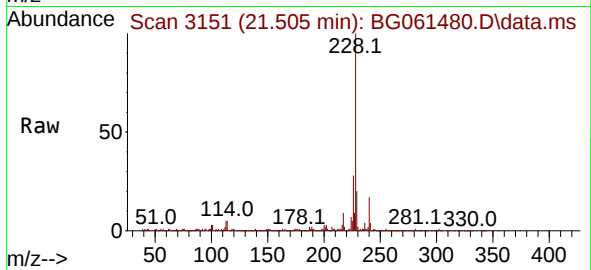
BHBN6DL

Tgt Ion:228 Resp: 461414
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.2 22.8
 226 27.9 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#87

Chrysene

Concen: 29.199 ng/uI

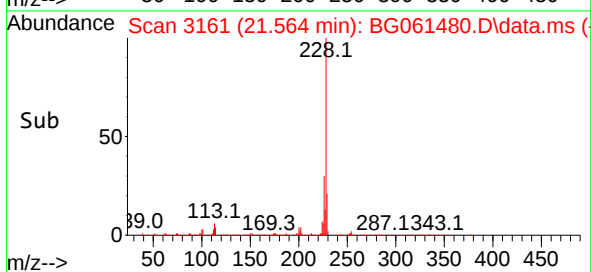
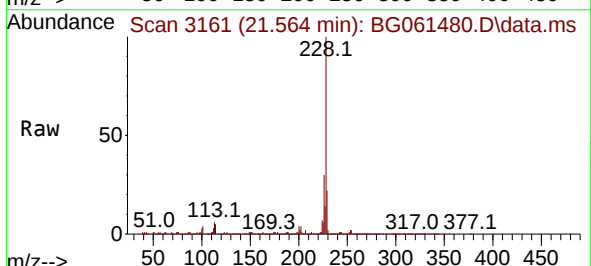
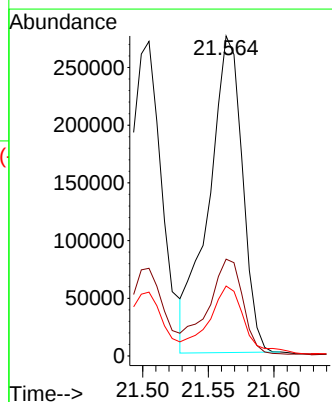
RT: 21.564 min Scan# 3161

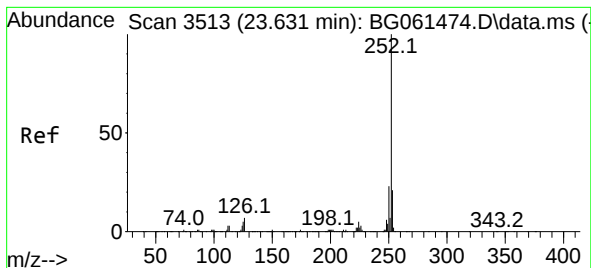
Delta R.T. 0.010 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Tgt Ion:228 Resp: 489242
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.4 35.0
 229 21.9 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 37.967 ng/ul

RT: 23.643 min Scan# 3515

Delta R.T. 0.028 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Instrument :

BNA_G

ClientSampleId :

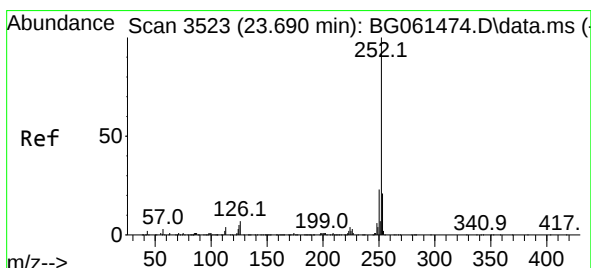
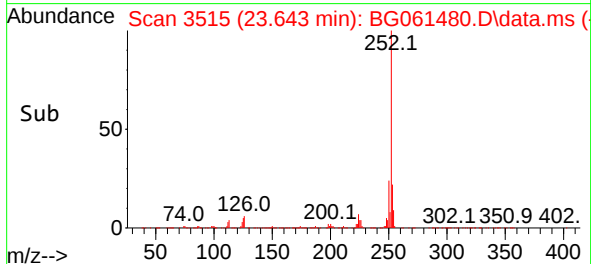
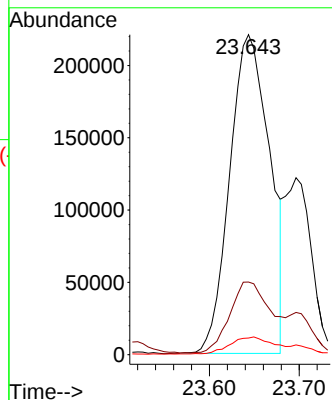
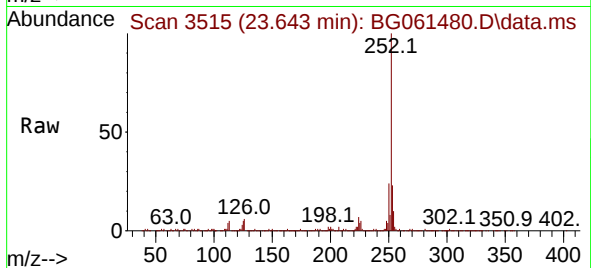
BHBN6DL

Tgt Ion:252 Resp: 682540
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.8
 125 5.2 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#91

Benzo(k)fluoranthene

Concen: 13.728 ng/ul m

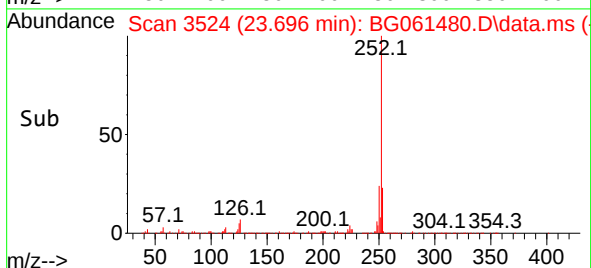
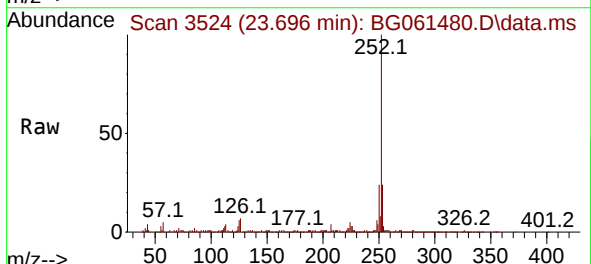
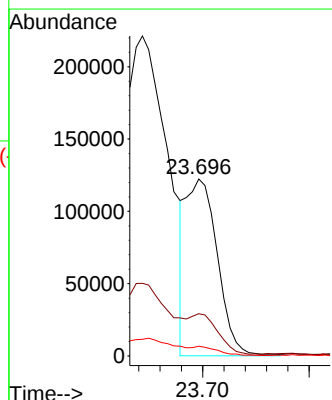
RT: 23.696 min Scan# 3524

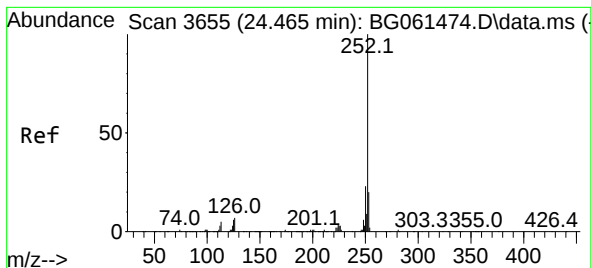
Delta R.T. 0.016 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Tgt Ion:252 Resp: 250541
 Ion Ratio Lower Upper
 252 100
 253 23.9 16.0 24.0
 125 5.6 4.3 6.5





#93

Benzo(a)pyrene

Concen: 25.629 ng/ul

RT: 24.472 min Scan# 30

Delta R.T. 0.022 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Instrument :

BNA_G

ClientSampleId :

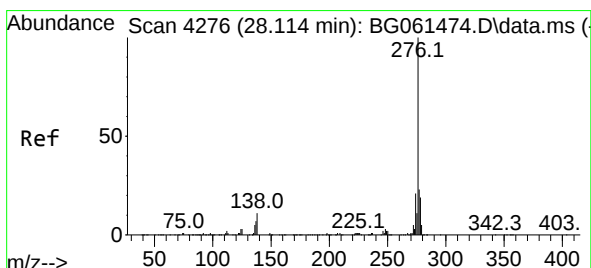
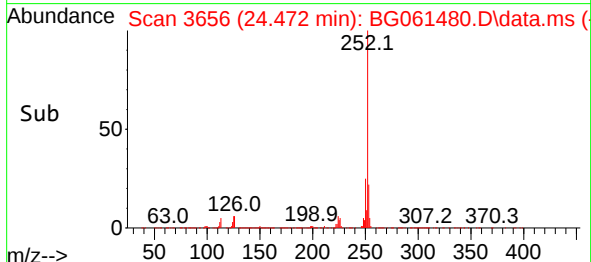
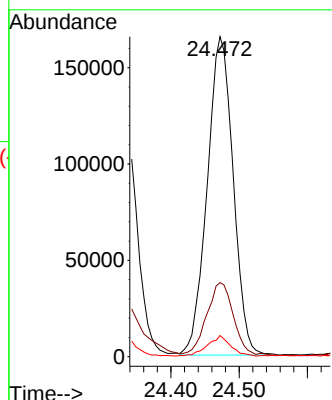
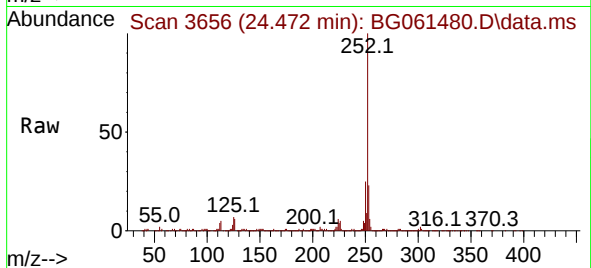
BHBN6DL

Tgt Ion:252 Resp: 437504
 Ion Ratio Lower Upper
 252 100
 253 23.2 16.4 24.6
 125 6.6 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 15.215 ng/ul m

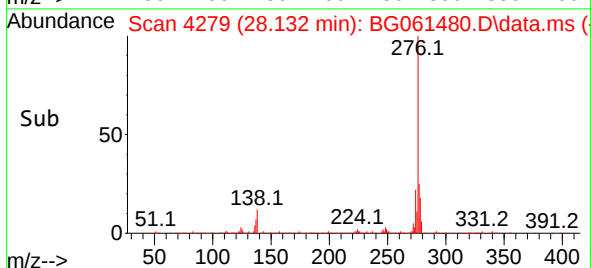
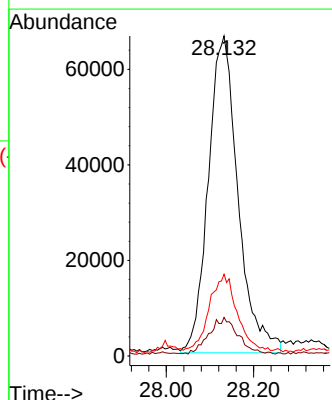
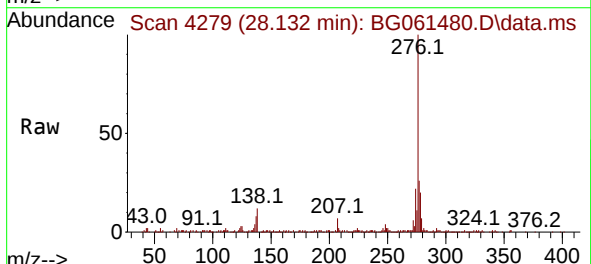
RT: 28.132 min Scan# 4279

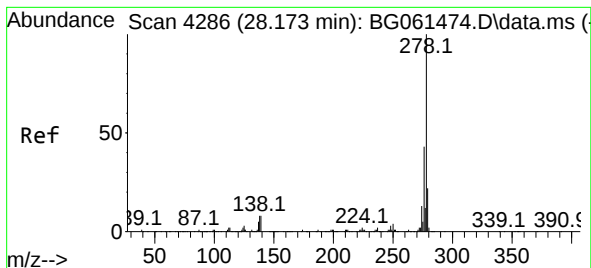
Delta R.T. 0.040 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Tgt Ion:276 Resp: 314092
 Ion Ratio Lower Upper
 276 100
 138 12.0 8.6 13.0
 277 25.5 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 4.848 ng/ul m

RT: 28.156 min Scan# 4283

Delta R.T. 0.016 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Instrument :

BNA_G

ClientSampleId :

BHBN6DL

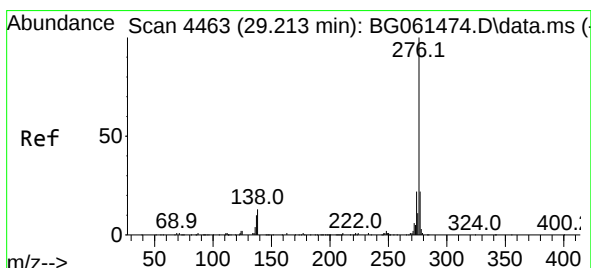
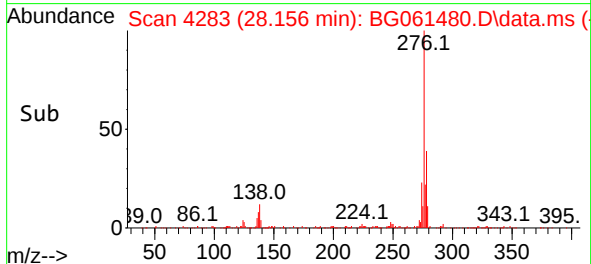
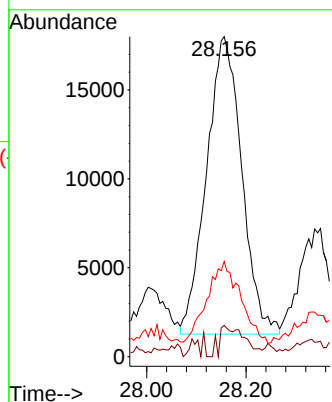
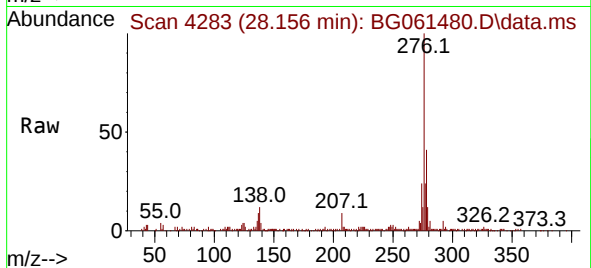
Tgt Ion:278 Resp: 82520

Ion	Ratio	Lower	Upper
278	100		
139	9.8	6.4	9.6
279	29.8	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#96

Benzo(g,h,i)perylene

Concen: 15.705 ng/ul m

RT: 29.225 min Scan# 4465

Delta R.T. 0.051 min

Lab File: BG061480.D

Acq: 5 Jun 2024 8:39

Tgt Ion:276 Resp: 257915

Ion	Ratio	Lower	Upper
276	100		
138	11.9	8.7	13.1
277	22.6	18.2	27.2

