

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061034.D
 Acq On : 25 Apr 2024 12:22
 Operator : MA/JU
 Sample : P2127-01DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONTDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 13:06:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	28969	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	111850	20.000	ng	# 0.00
39) Acenaphthene-d10	14.567	164	85633	20.000	ng	0.00
64) Phenanthrene-d10	17.317	188	209024	20.000	ng	0.00
76) Chrysene-d12	21.577	240	196144	20.000	ng	0.00
86) Perylene-d12	24.708	264	192096	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	61587	43.003	ng	0.00
7) Phenol-d6	7.111	99	83179	39.144	ng	0.00
23) Nitrobenzene-d5	9.091	82	60068	24.129	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	76128	40.484	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	166445	26.901	ng	0.00
79) Terphenyl-d14	19.938	244	313510	24.810	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.632	154	18988	4.195	ng	96
55) Dibenzofuran	14.967	168	20606	2.637	ng	# 89
58) Fluorene	15.613	166	29893	4.532	ng	92
71) Phenanthrene	17.364	178	453321	42.489	ng	98
72) Anthracene	17.452	178	100149	9.114	ng	100
73) Carbazole	17.717	167	52536	5.757	ng	97
75) Fluoranthene	19.373	202	641820	45.328	ng	97
78) Pyrene	19.738	202	499398	37.393	ng	99
81) Benzo(a)anthracene	21.559	228	279269	20.251	ng	96
83) Chrysene	21.624	228	255743	19.479	ng	96
87) Indeno(1,2,3-cd)pyrene	28.257	276	86838	6.517	ng	# 86
88) Benzo(b)fluoranthene	23.721	252	254368	23.367	ng	100
89) Benzo(k)fluoranthene	23.780	252	115674m	10.526	ng	
90) Benzo(a)pyrene	24.562	252	162565	15.428	ng	95
91) Dibenzo(a,h)anthracene	28.298	278	24804m	2.278	ng	
92) Benzo(g,h,i)perylene	29.356	276	68957m	6.388	ng	

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

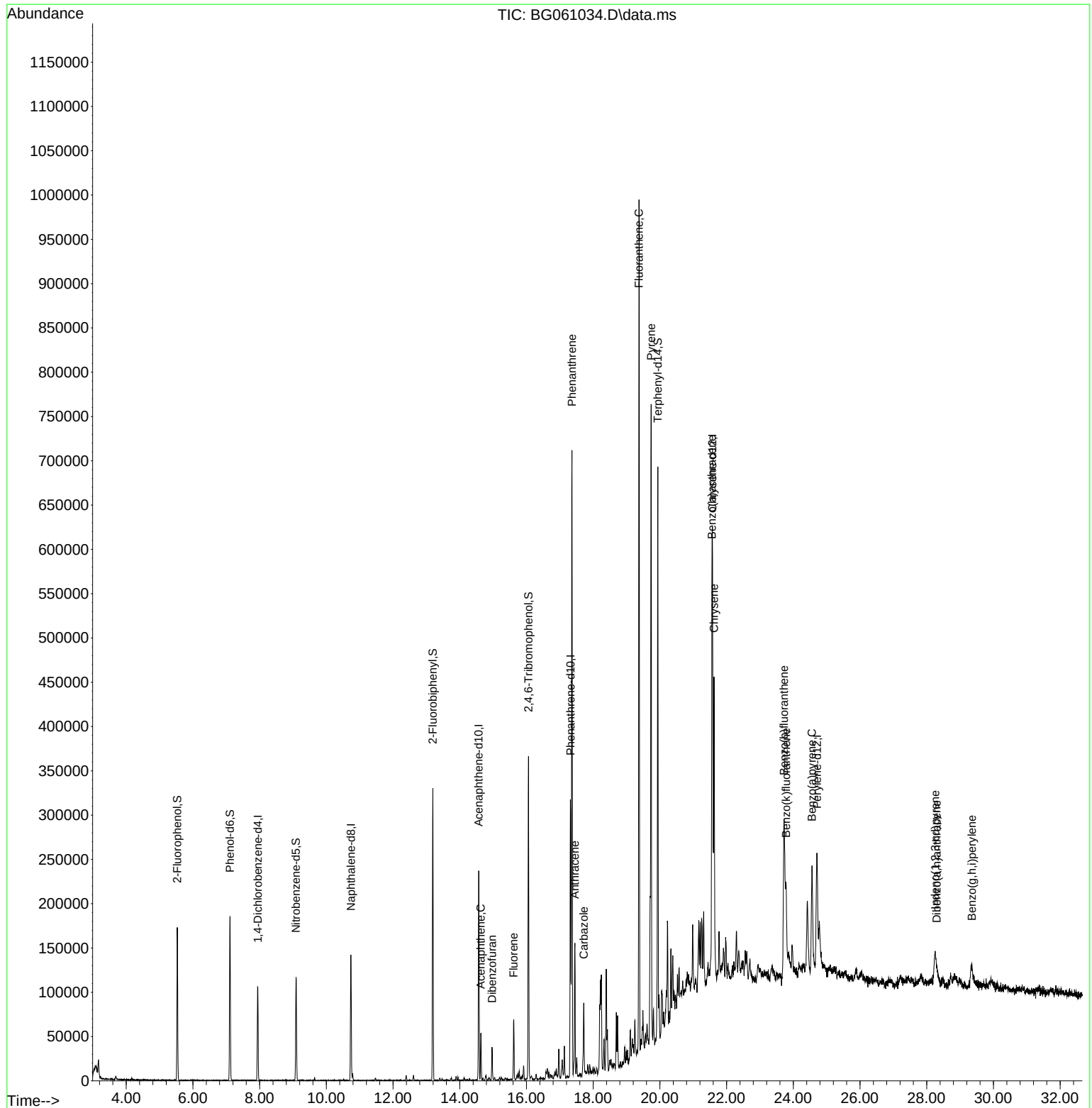
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061034.D
Acq On : 25 Apr 2024 12:22
Operator : MA/JU
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ALS Vial : 4 Sample Multiplier: 1

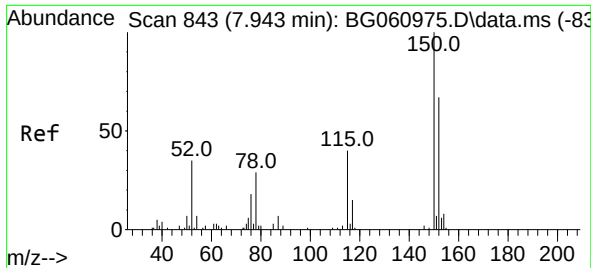
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Quant Time: Apr 25 13:06:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
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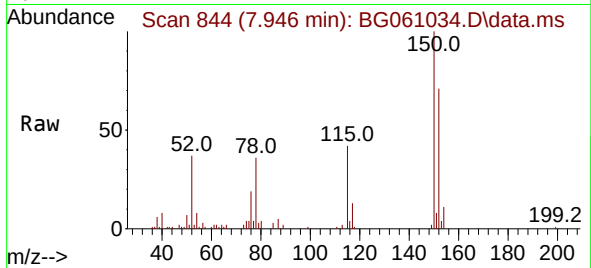
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 843
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

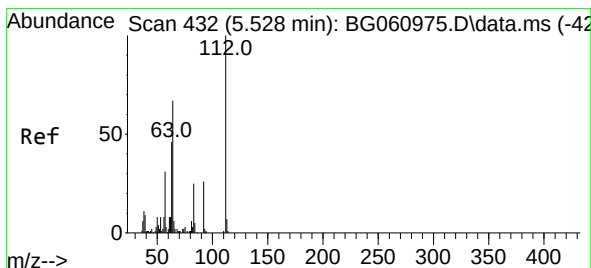
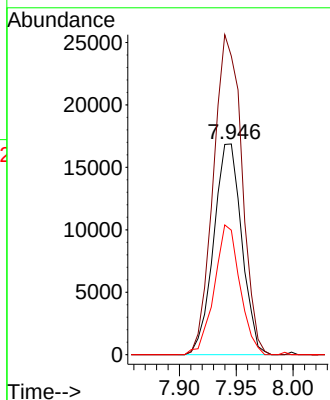
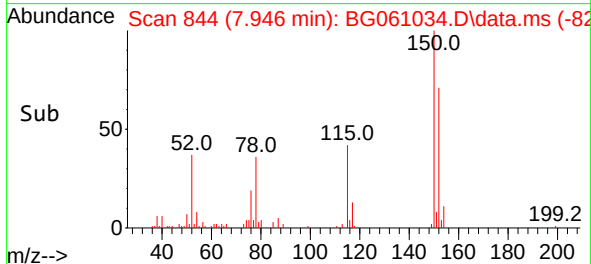
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL



Tgt Ion:152 Resp: 28969
Ion Ratio Lower Upper
152 100
150 141.7 118.6 178.0
115 59.1 47.4 71.0

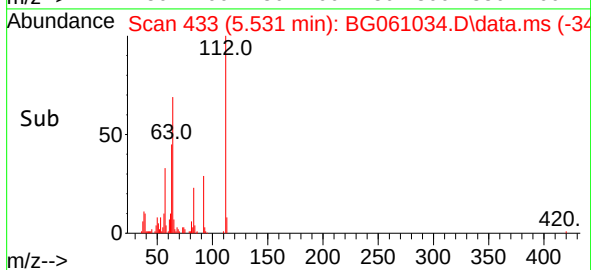
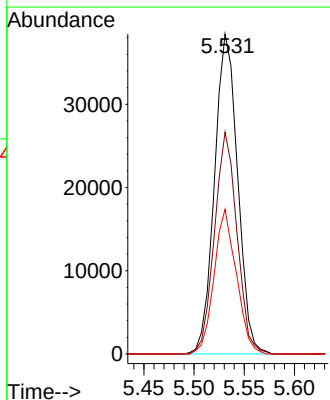
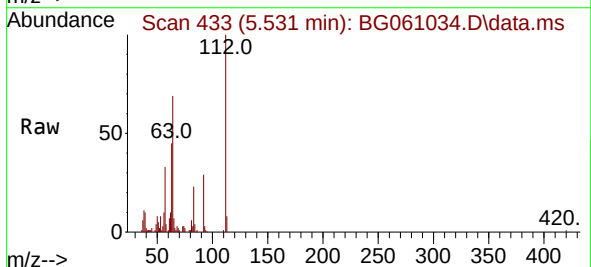
Manual Integrations
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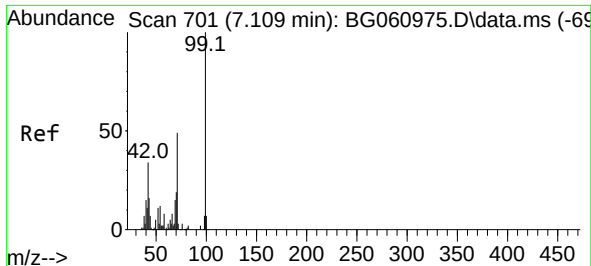
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#5
2-Fluorophenol
Concen: 43.003 ng
RT: 5.531 min Scan# 433
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

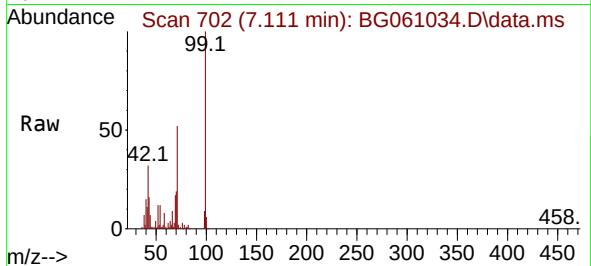
Tgt Ion:112 Resp: 61587
Ion Ratio Lower Upper
112 100
64 69.3 53.7 80.5
63 45.2 37.0 55.6





#7
Phenol-d6
Concen: 39.144 ng
RT: 7.111 min Scan# 701
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

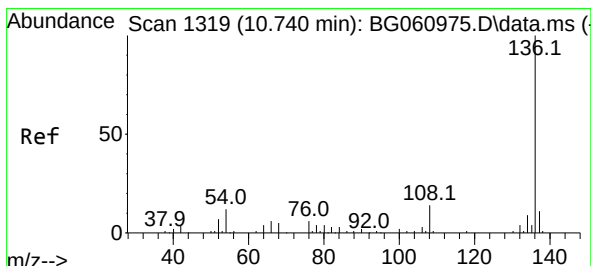
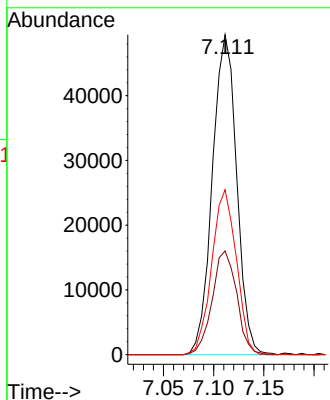
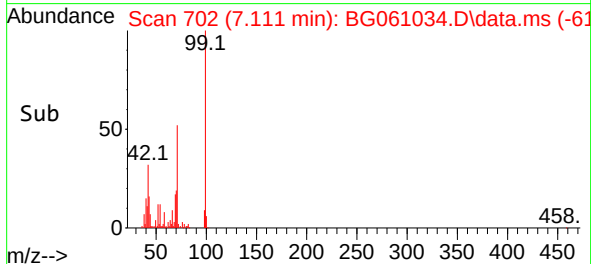
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL



Tgt Ion: 99 Resp: 83179
Ion Ratio Lower Upper
99 100
42 32.4 27.2 40.8
71 51.6 38.8 58.2

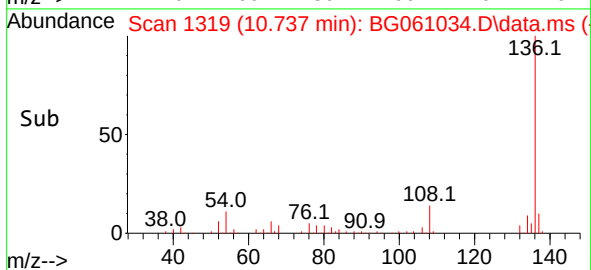
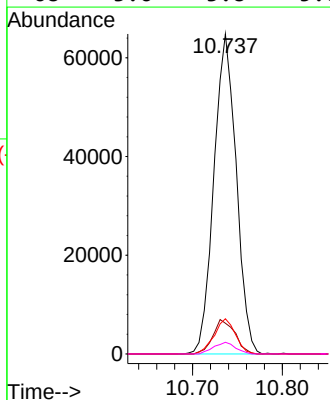
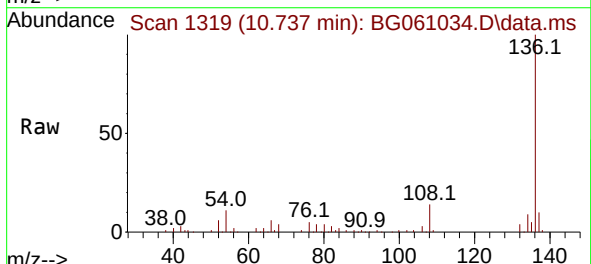
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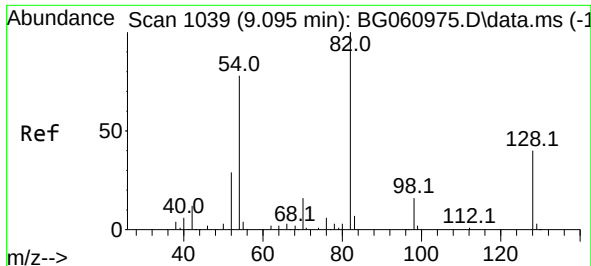
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 1319
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:136 Resp: 111850
Ion Ratio Lower Upper
136 100
137 9.6 8.5 12.7
54 11.0 9.4 14.0
68 3.6 3.8 5.6#





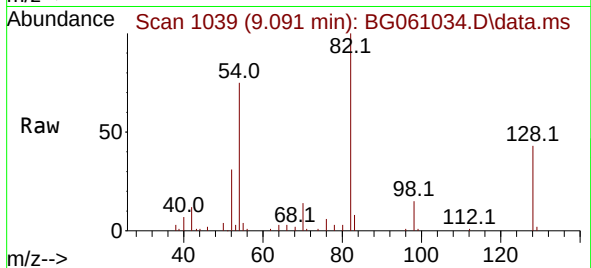
#23
Nitrobenzene-d5
Concen: 24.129 ng
RT: 9.091 min Scan# 1039
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL



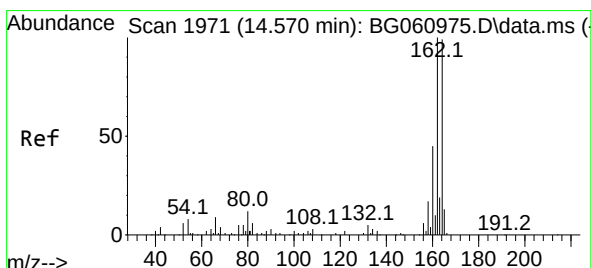
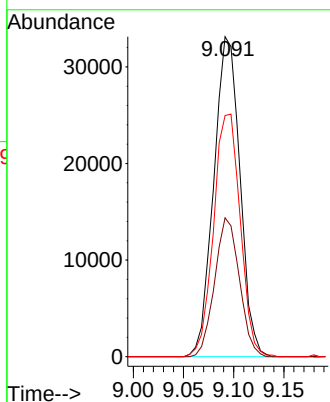
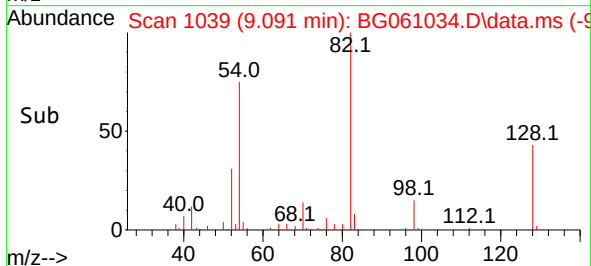
Tgt Ion: 82 Resp: 60068
Ion Ratio Lower Upper
82 100
128 43.4 32.1 48.1
54 75.4 62.3 93.5

Manual Integrations

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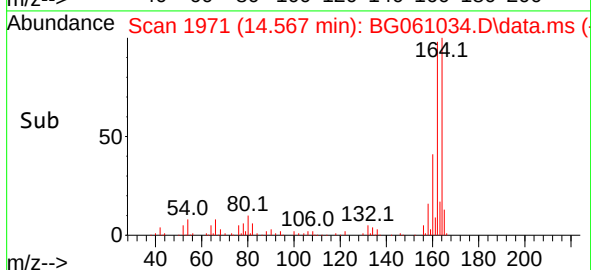
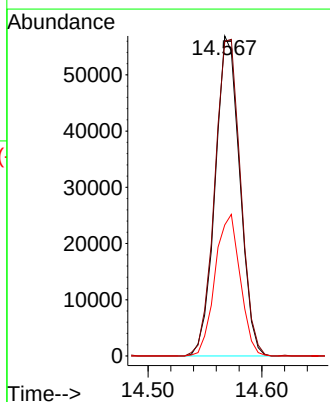
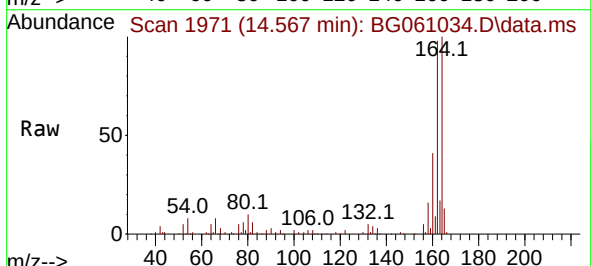
Reviewed By :Yogesh Patel 04/26/2024

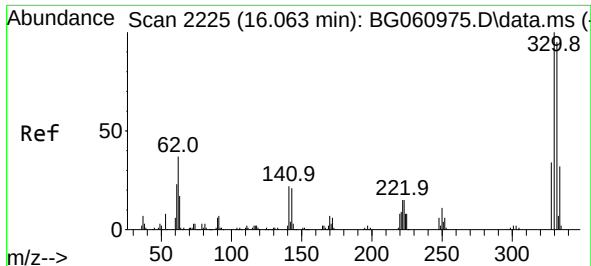
Supervised By :mohammad ahmed 04/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.567 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:164 Resp: 85633
Ion Ratio Lower Upper
164 100
162 98.3 81.2 121.8
160 40.9 36.2 54.2





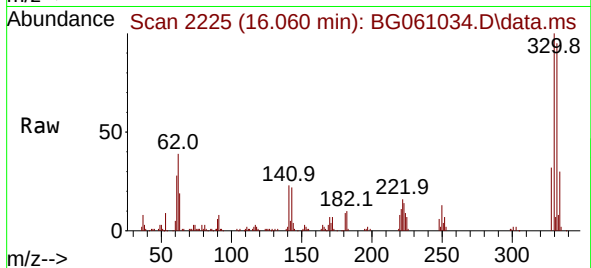
#42
2,4,6-Tribromophenol
Concen: 40.484 ng
RT: 16.060 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL



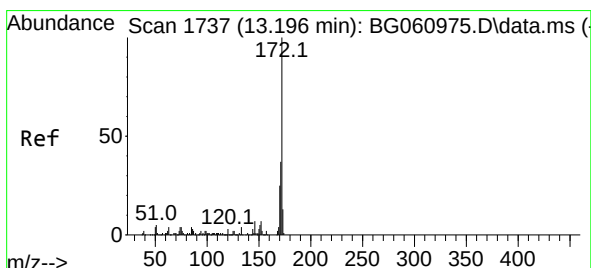
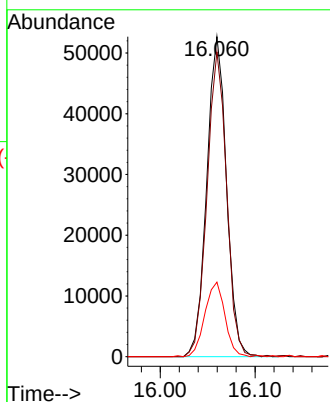
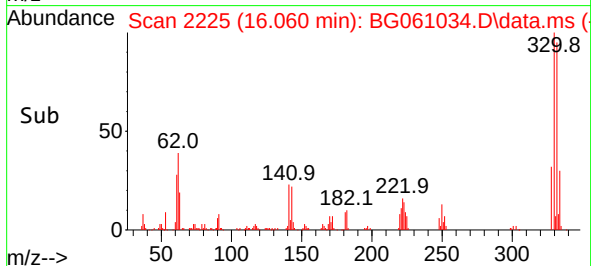
Tgt Ion:330 Resp: 76128
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 23.8 20.6 31.0

Manual Integrations

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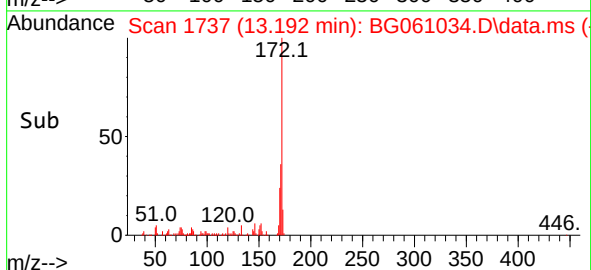
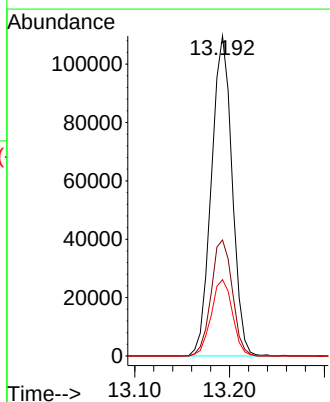
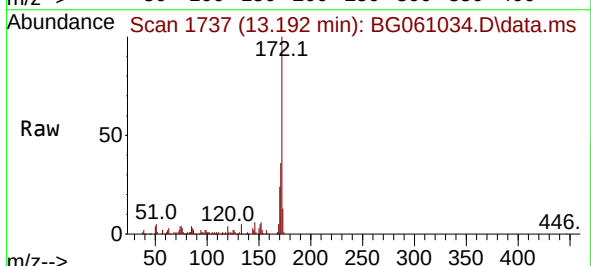
Reviewed By :Yogesh Patel 04/26/2024

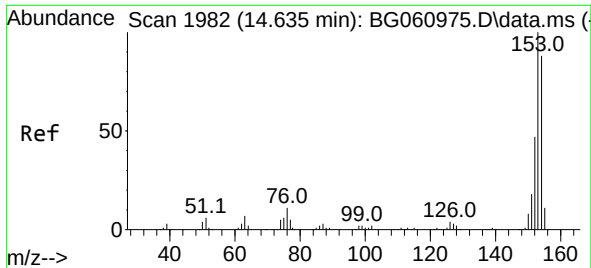
Supervised By :mohammad ahmed 04/27/2024



#45
2-Fluorobiphenyl
Concen: 26.901 ng
RT: 13.192 min Scan# 1737
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

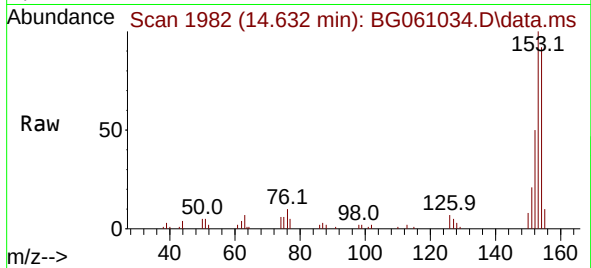
Tgt Ion:172 Resp: 166445
Ion Ratio Lower Upper
172 100
171 36.2 29.3 43.9
170 23.9 20.1 30.1





#52
Acenaphthene
Concen: 4.195 ng
RT: 14.632 min Scan# 1982
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

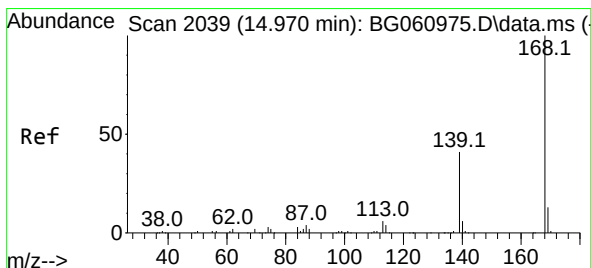
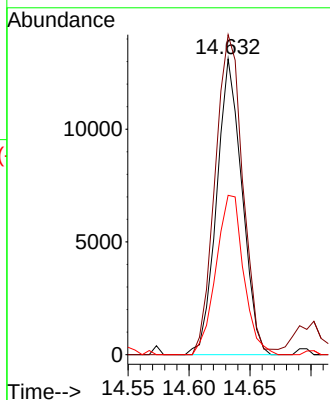
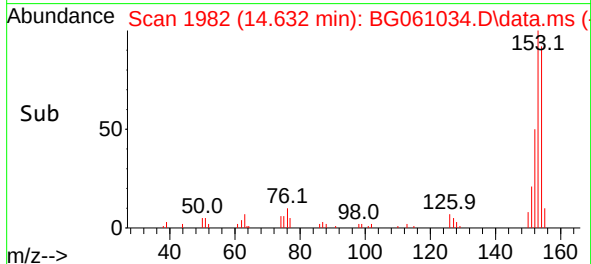
Instrument :
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ClientSampleId :
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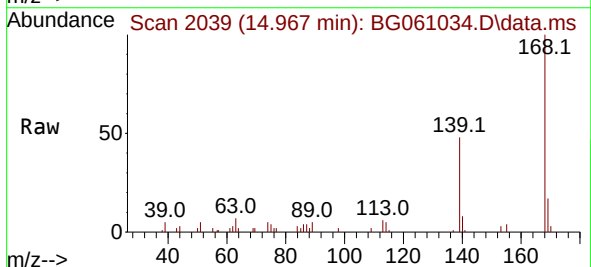
Tgt Ion:154 Resp: 1898
Ion Ratio Lower Upper
154 100
153 108.2 91.2 136.8
152 53.9 42.7 64.1

Manual Integrations
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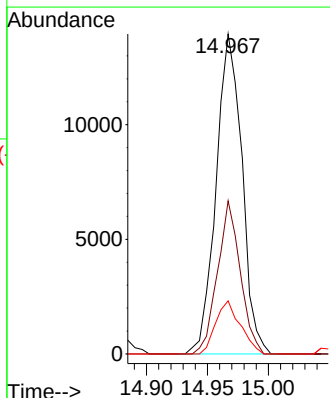
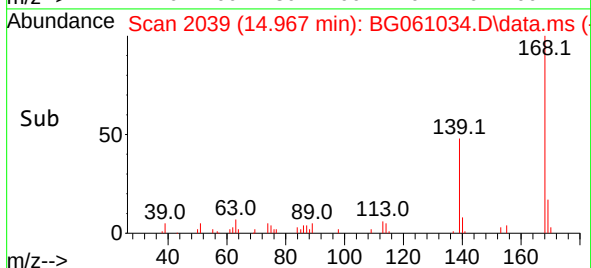
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

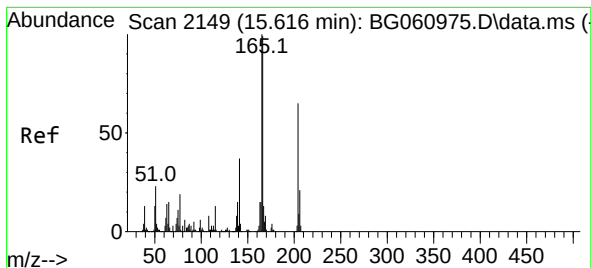


#55
Dibenzofuran
Concen: 2.637 ng
RT: 14.967 min Scan# 2039
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22



Tgt Ion:168 Resp: 20606
Ion Ratio Lower Upper
168 100
139 47.8 32.4 48.6
169 16.6 10.6 15.8#





#58

Fluorene

Concen: 4.532 ng

RT: 15.613 min Scan# 2149

Delta R.T. -0.003 min

Lab File: BG061034.D

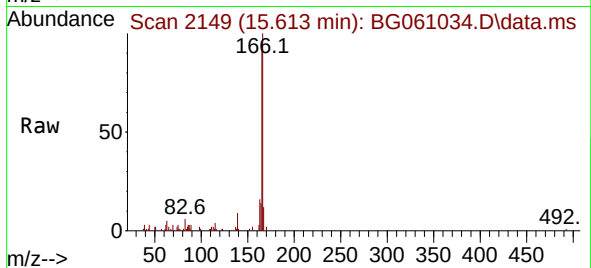
Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL



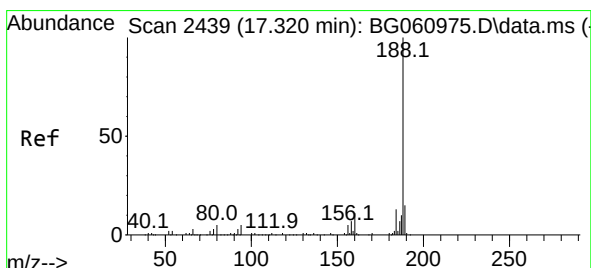
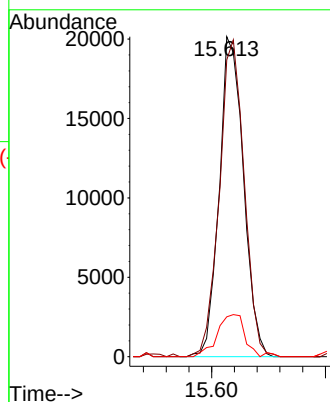
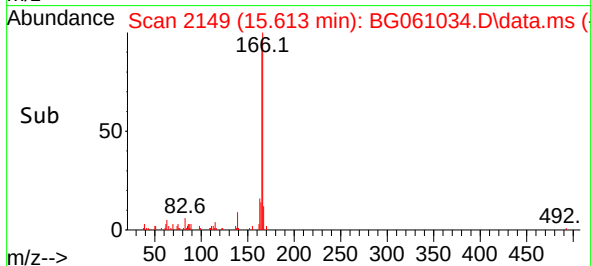
Tgt Ion:	166	Resp:	2989
Ion Ratio	Lower	Upper	
166	100		
165	92.8	80.9	121.3
167	12.5	10.5	15.7

Manual Integrations

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Supervised By :mohammad ahmed 04/27/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

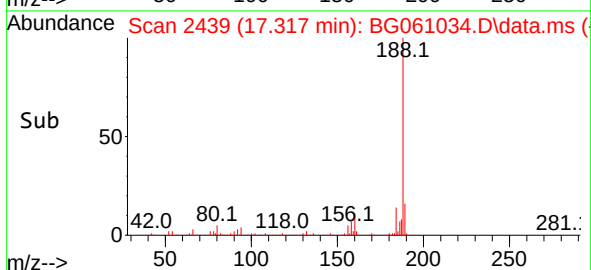
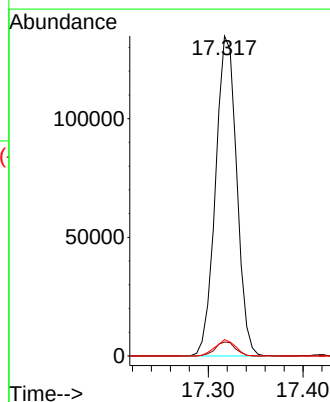
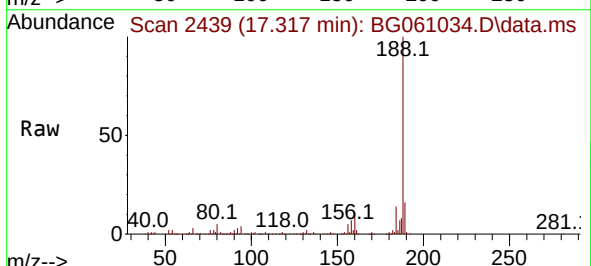
RT: 17.317 min Scan# 2439

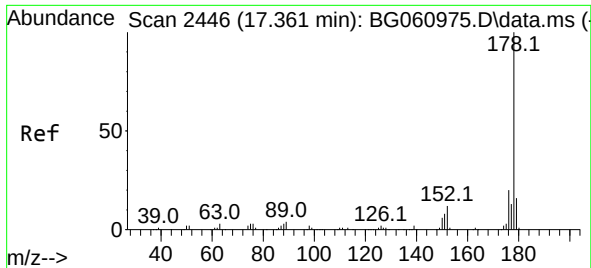
Delta R.T. -0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

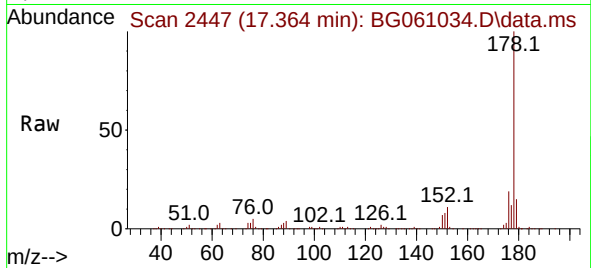
Tgt Ion:	188	Resp:	209024
Ion Ratio	Lower	Upper	
188	100		
94	4.3	4.1	6.1
80	5.1	4.0	6.0





#71
Phenanthrene
Concen: 42.489 ng
RT: 17.364 min Scan# 2446
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

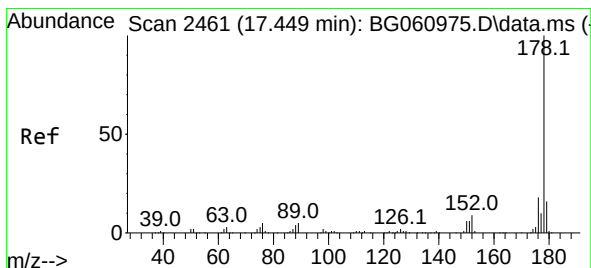
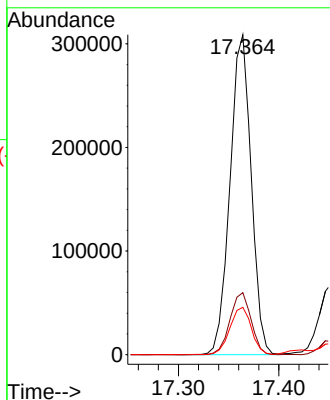
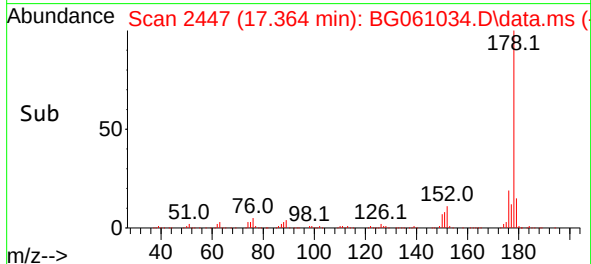
Instrument :
BNA_G
ClientSampleId :
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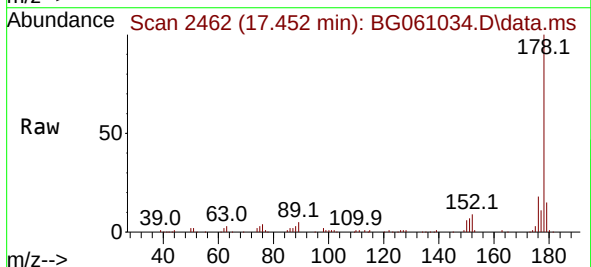
Tgt Ion:178 Resp: 45332
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.8 12.5 18.7

Manual Integrations
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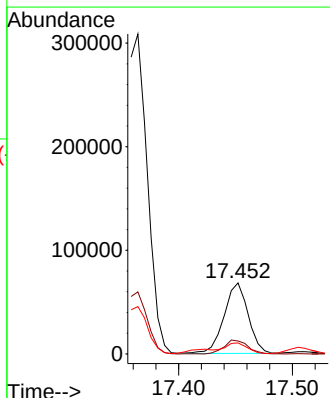
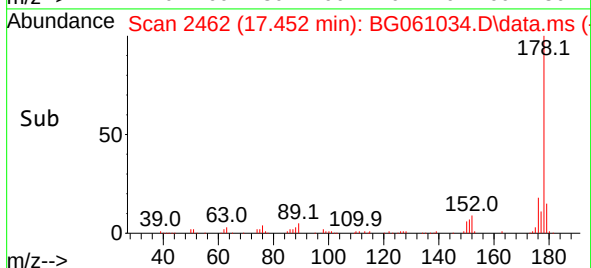
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

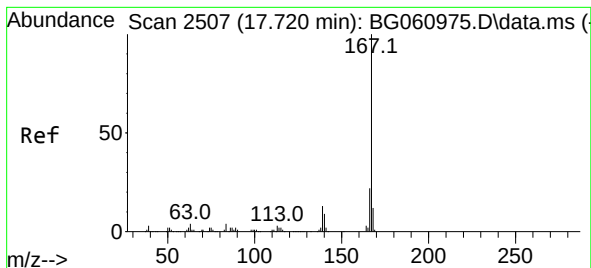


#72
Anthracene
Concen: 9.114 ng
RT: 17.452 min Scan# 2462
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22



Tgt Ion:178 Resp: 100149
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.5 12.4 18.6





#73

Carbazole

Concen: 5.757 ng

RT: 17.717 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

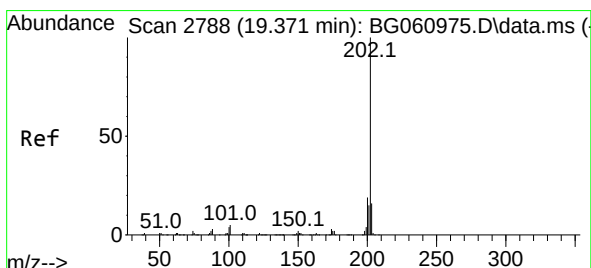
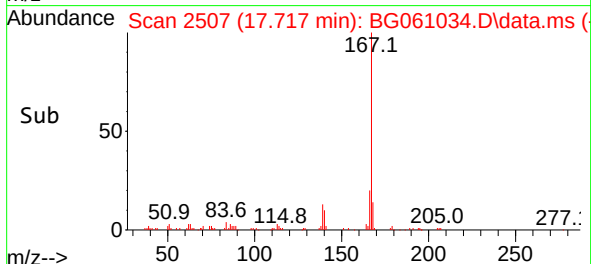
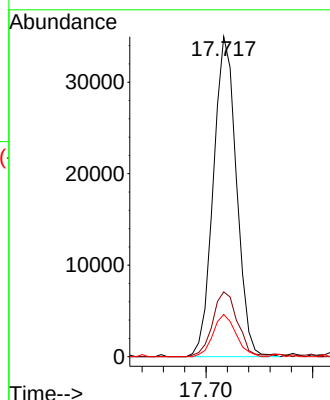
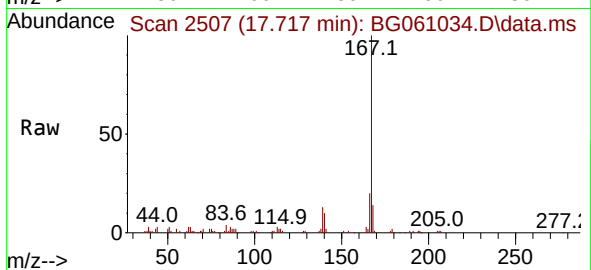
Tgt Ion:	167	Resp:	52530
Ion Ratio	Lower	Upper	
167	100		
166	20.2	17.8	26.8
139	13.2	10.2	15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#75

Fluoranthene

Concen: 45.328 ng

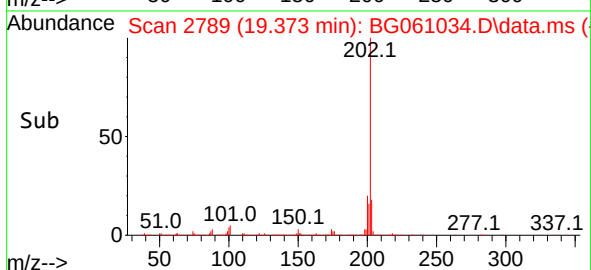
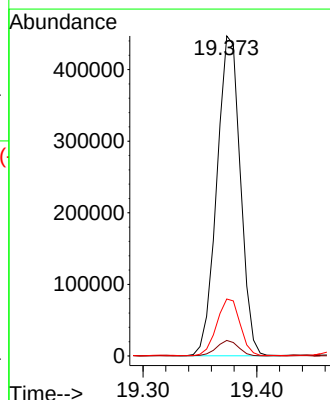
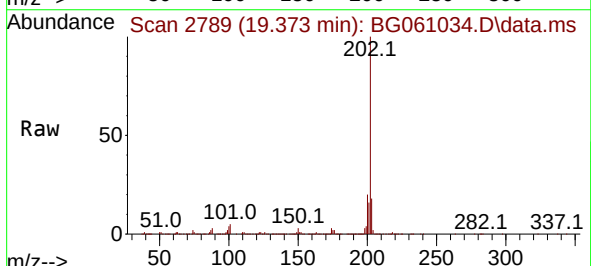
RT: 19.373 min Scan# 2789

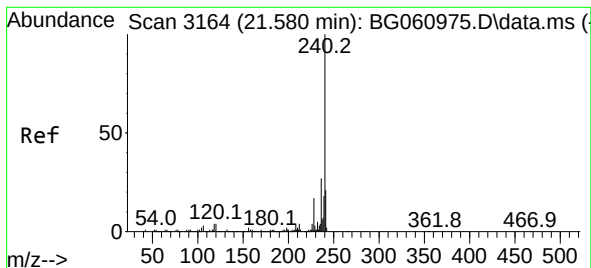
Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Tgt Ion:	202	Resp:	641820
Ion Ratio	Lower	Upper	
202	100		
101	4.9	0.0	24.9
203	17.8	0.0	36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 3164

Delta R.T. -0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

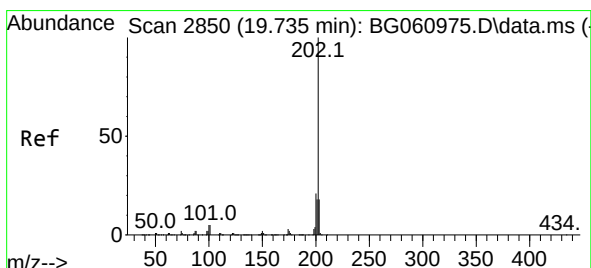
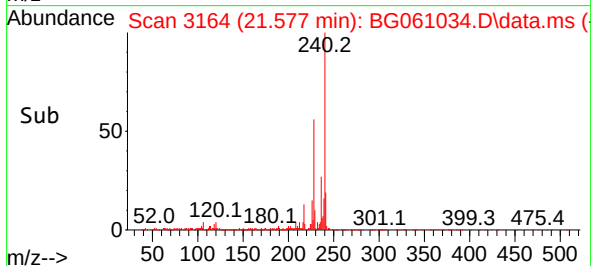
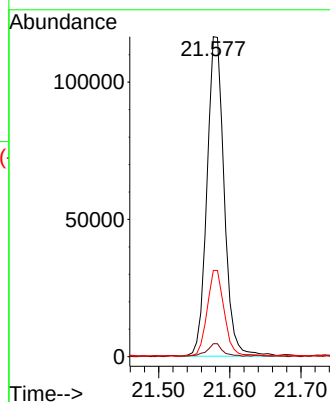
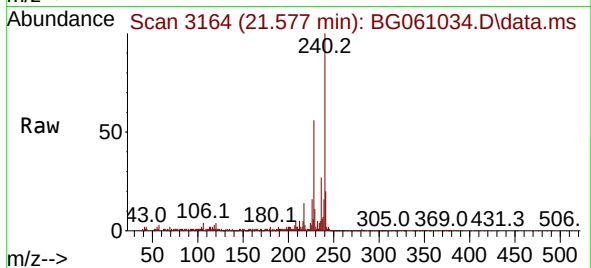
Tgt Ion:240 Resp: 196144
 Ion Ratio Lower Upper
 240 100
 120 4.1 3.0 4.6
 236 27.0 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#78

Pyrene

Concen: 37.393 ng

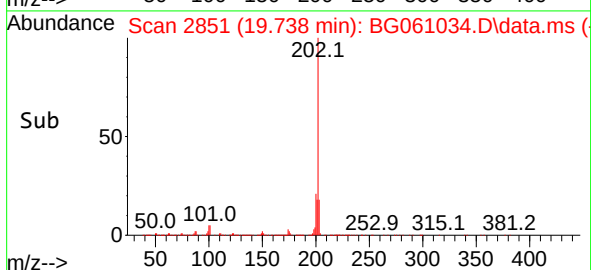
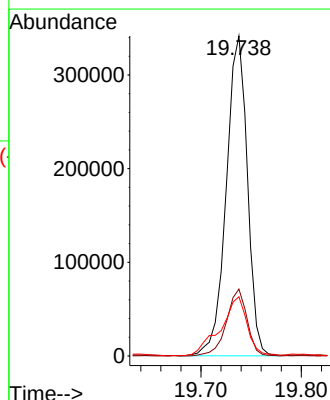
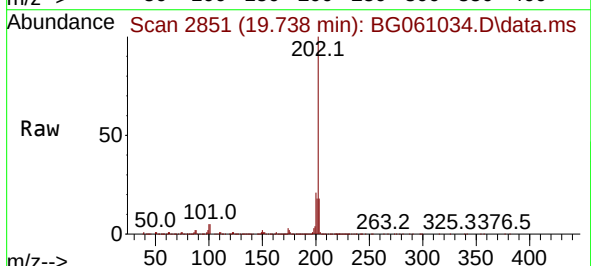
RT: 19.738 min Scan# 2851

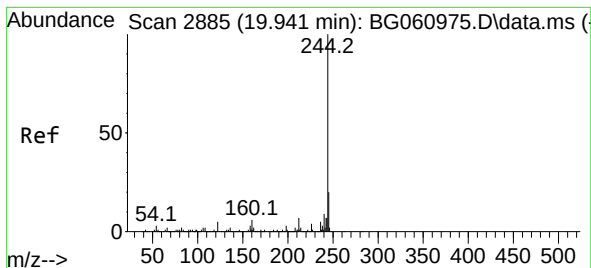
Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Tgt Ion:202 Resp: 499398
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.8 25.2
 203 18.5 14.2 21.2





#79

Terphenyl-d14

Concen: 24.810 ng

RT: 19.938 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG061034.D

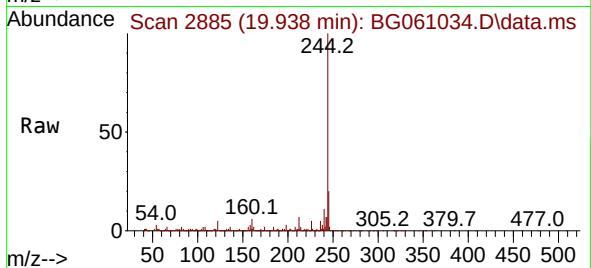
Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL



Tgt Ion:244 Resp: 313510

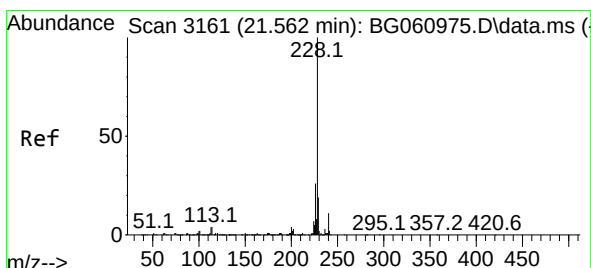
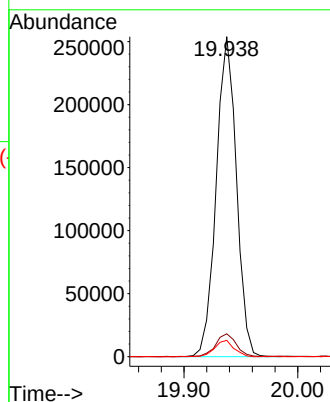
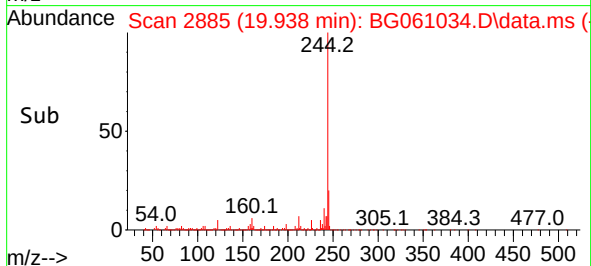
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	5.1	4.2	6.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#81

Benzo(a)anthracene

Concen: 20.251 ng

RT: 21.559 min Scan# 3161

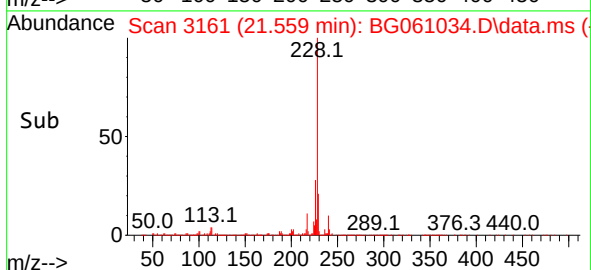
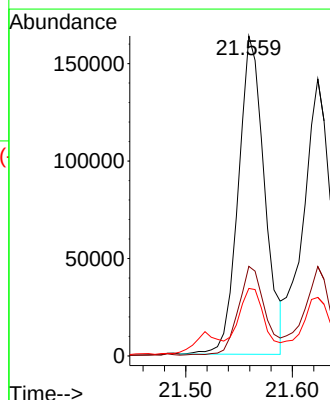
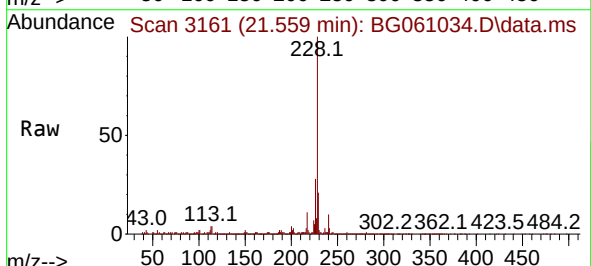
Delta R.T. -0.003 min

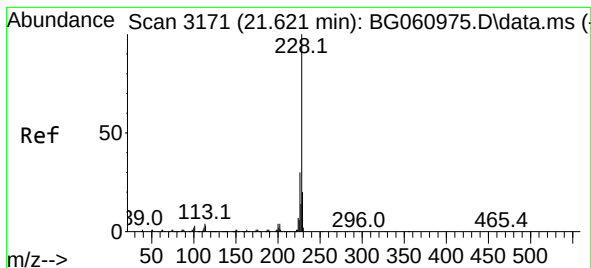
Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Tgt Ion:228 Resp: 279269

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	21.1	15.0	22.4





#83

Chrysene

Concen: 19.479 ng

RT: 21.624 min Scan# 3171

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

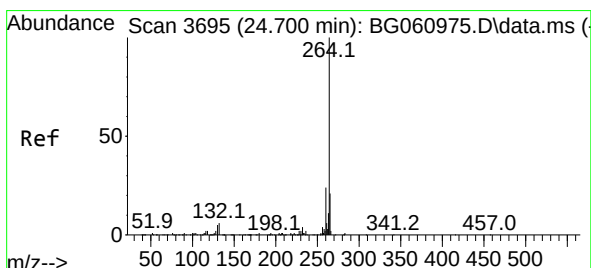
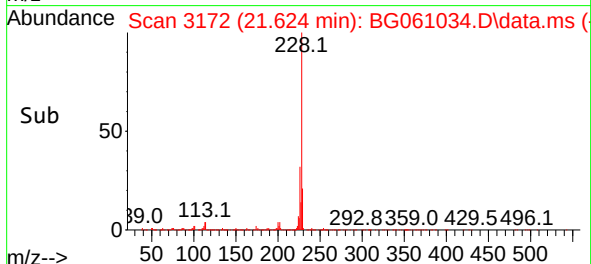
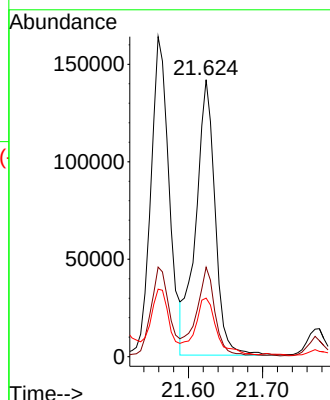
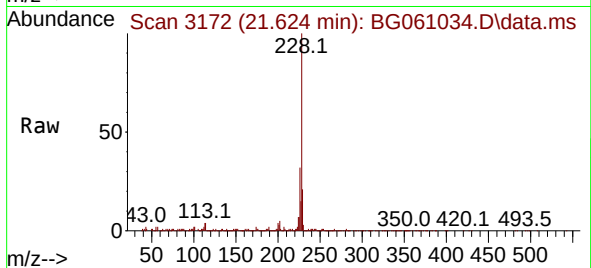
Tgt Ion:	228	Resp:	25574
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.2	36.2
229	21.1	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#86

Perylene-d12

Concen: 20.000 ng

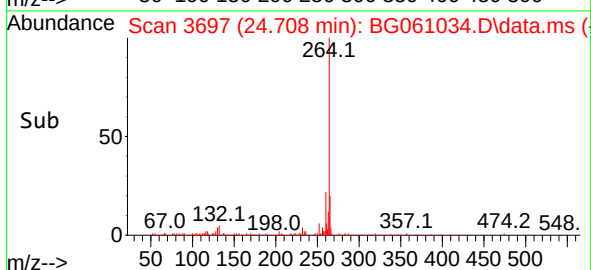
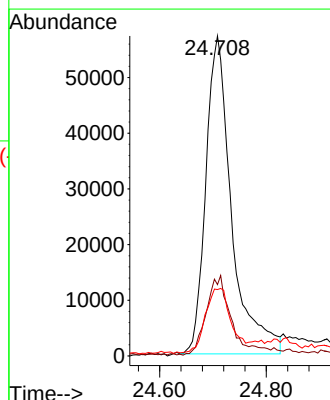
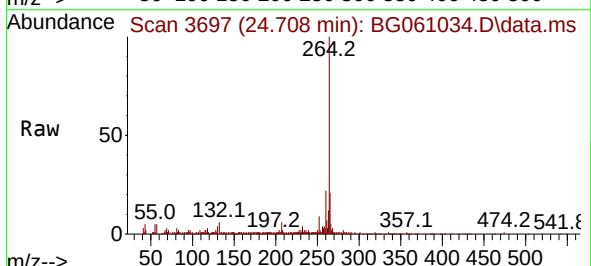
RT: 24.708 min Scan# 3697

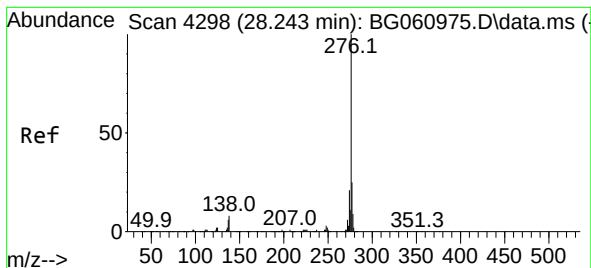
Delta R.T. 0.009 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Tgt Ion:	264	Resp:	192096
Ion Ratio	Lower	Upper	
264	100		
260	22.3	19.4	29.2
265	20.7	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.517 ng

RT: 28.257 min Scan# 41

Delta R.T. 0.015 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

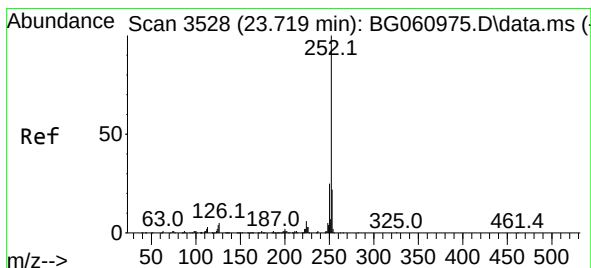
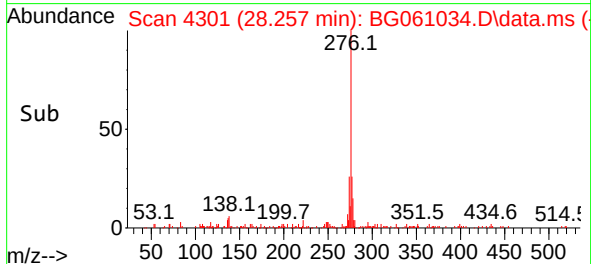
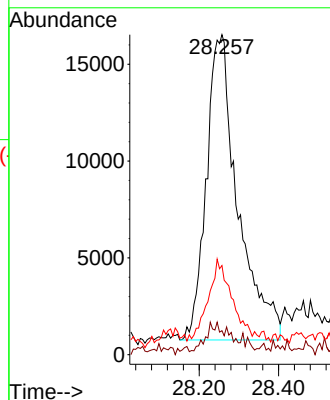
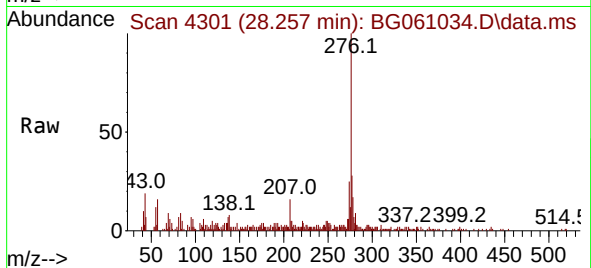
Tgt Ion:	276	Resp:	8683
Ion Ratio	Lower	Upper	
276	100		
138	0.0	5.3	7.9
277	19.0	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#88

Benzo(b)fluoranthene

Concen: 23.367 ng

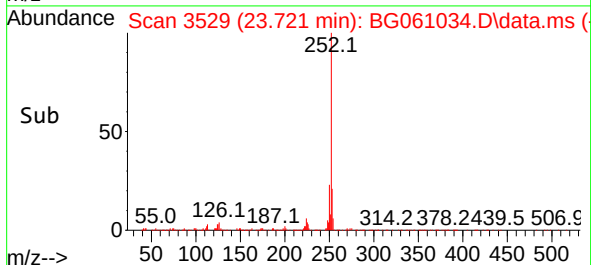
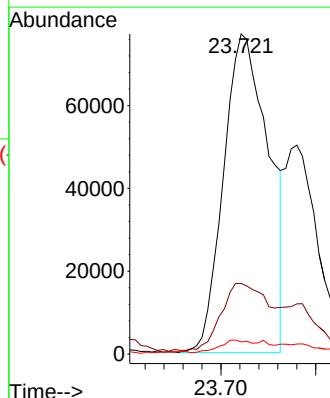
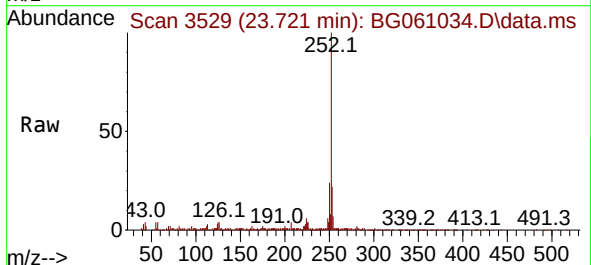
RT: 23.721 min Scan# 3529

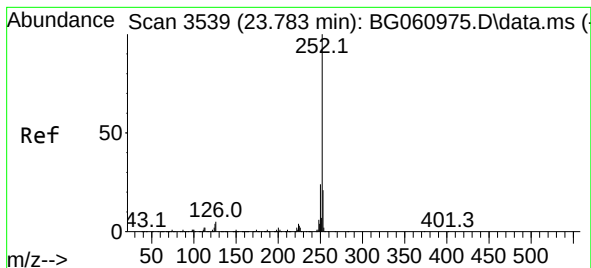
Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Tgt Ion:	252	Resp:	254368
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.5	26.3
125	3.7	3.3	4.9





#89

Benzo(k)fluoranthene

Concen: 10.526 ng m

RT: 23.780 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

Tgt Ion:252 Resp: 115674

Ion Ratio Lower Upper

252 100

253 24.0 16.6 25.0

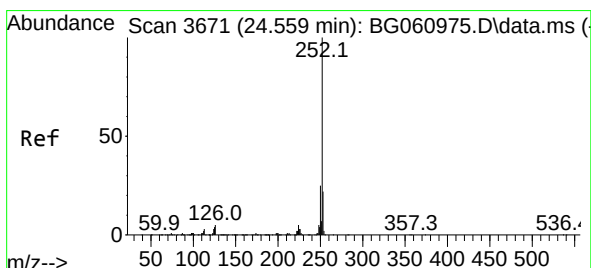
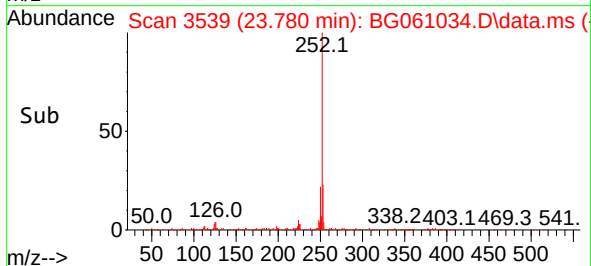
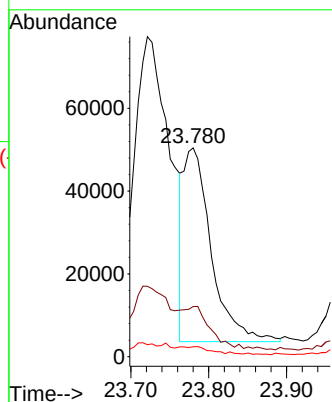
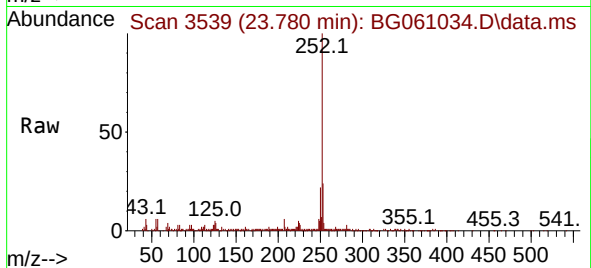
125 4.7 3.3 4.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#90

Benzo(a)pyrene

Concen: 15.428 ng

RT: 24.562 min Scan# 3672

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

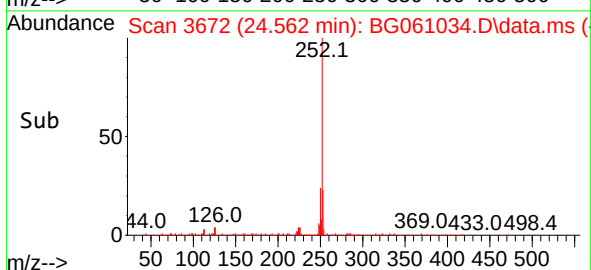
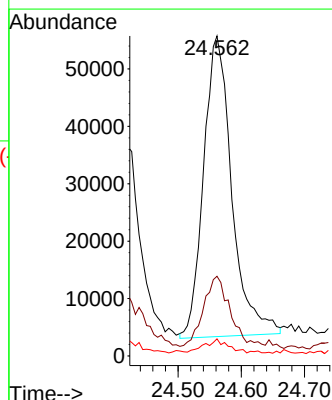
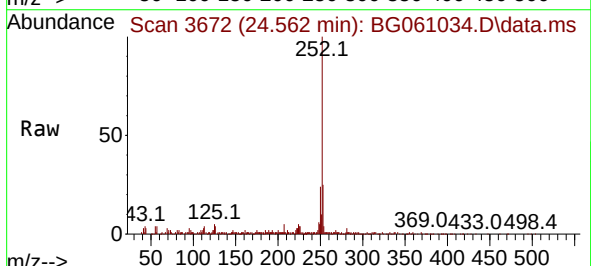
Tgt Ion:252 Resp: 162565

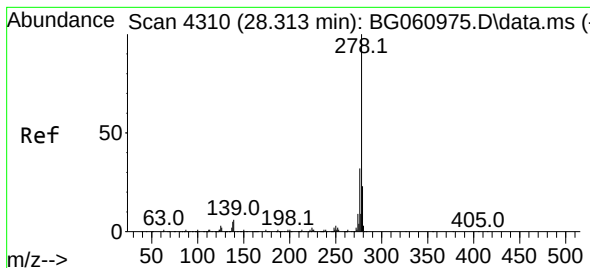
Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 5.4 3.6 5.4





#91

Dibenzo(a,h)anthracene

Concen: 2.278 ng m

RT: 28.298 min Scan# 41

Delta R.T. -0.015 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

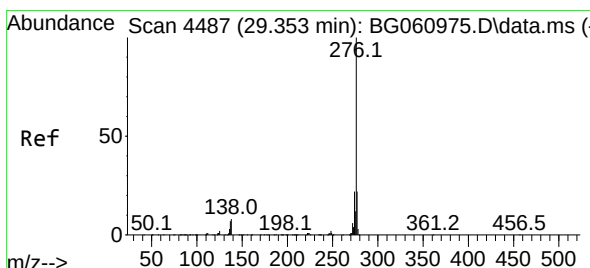
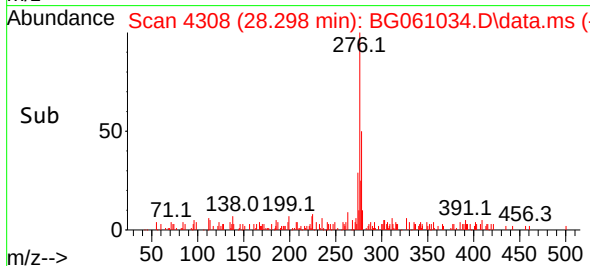
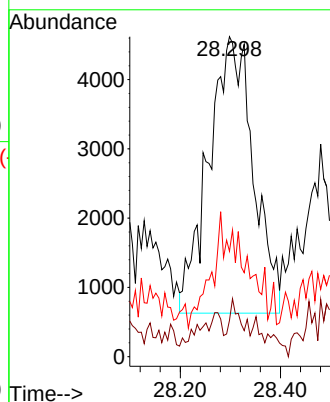
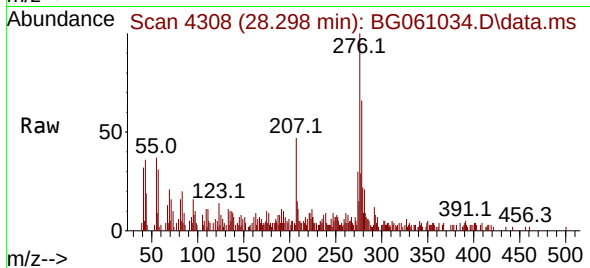
Tgt Ion:	278	Resp:	2480
Ion Ratio	Lower	Upper	
278	100		
139	11.3	4.7	7.1
279	33.0	18.2	27.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#92

Benzo(g,h,i)perylene

Concen: 6.388 ng m

RT: 29.356 min Scan# 4488

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Tgt Ion:	276	Resp:	68957
Ion Ratio	Lower	Upper	
276	100		
277	28.2	18.0	27.0
138	6.6	6.5	9.7

