

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061036.D
 Acq On : 25 Apr 2024 13:44
 Operator : MA/JU
 Sample : P2126-07DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1CDL

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 14:24:54 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	7.947	152	29466	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	117392	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	92925	20.000	ng	0.00
64) Phenanthrene-d10	17.319	188	214675	20.000	ng	0.00
76) Chrysene-d12	21.578	240	207965	20.000	ng	# 0.00
86) Perylene-d12	24.710	264	192618	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	16467	11.304	ng	0.01
7) Phenol-d6	7.113	99	19479	9.012	ng	0.00
23) Nitrobenzene-d5	9.093	82	13979	5.350	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	18275	8.956	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	42206	6.286	ng	0.00
79) Terphenyl-d14	19.939	244	76735	5.727	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.785	128	25275	3.933	ng	97
52) Acenaphthene	14.634	154	17891	3.643	ng	95
55) Dibenzofuran	14.969	168	18265	2.154	ng	96
58) Fluorene	15.621	166	20773	2.902	ng	95
71) Phenanthrene	17.360	178	348242	31.781	ng	99
72) Anthracene	17.454	178	73119	6.479	ng	99
73) Carbazole	17.718	167	36557	3.900	ng	98
75) Fluoranthene	19.375	202	490768	33.748	ng	97
78) Pyrene	19.739	202	414737	29.289	ng	99
81) Benzo(a)anthracene	21.561	228	203881	13.944	ng	98
83) Chrysene	21.625	228	184682	13.267	ng	97
87) Indeno(1,2,3-cd)pyrene	28.253	276	56573	4.234	ng	# 76
88) Benzo(b)fluoranthene	23.729	252	191017	17.500	ng	98
89) Benzo(k)fluoranthene	23.782	252	83781m	7.603	ng	
90) Benzo(a)pyrene	24.563	252	116868	11.061	ng	96
92) Benzo(g,h,i)perylene	29.363	276	53347	4.928	ng	95

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

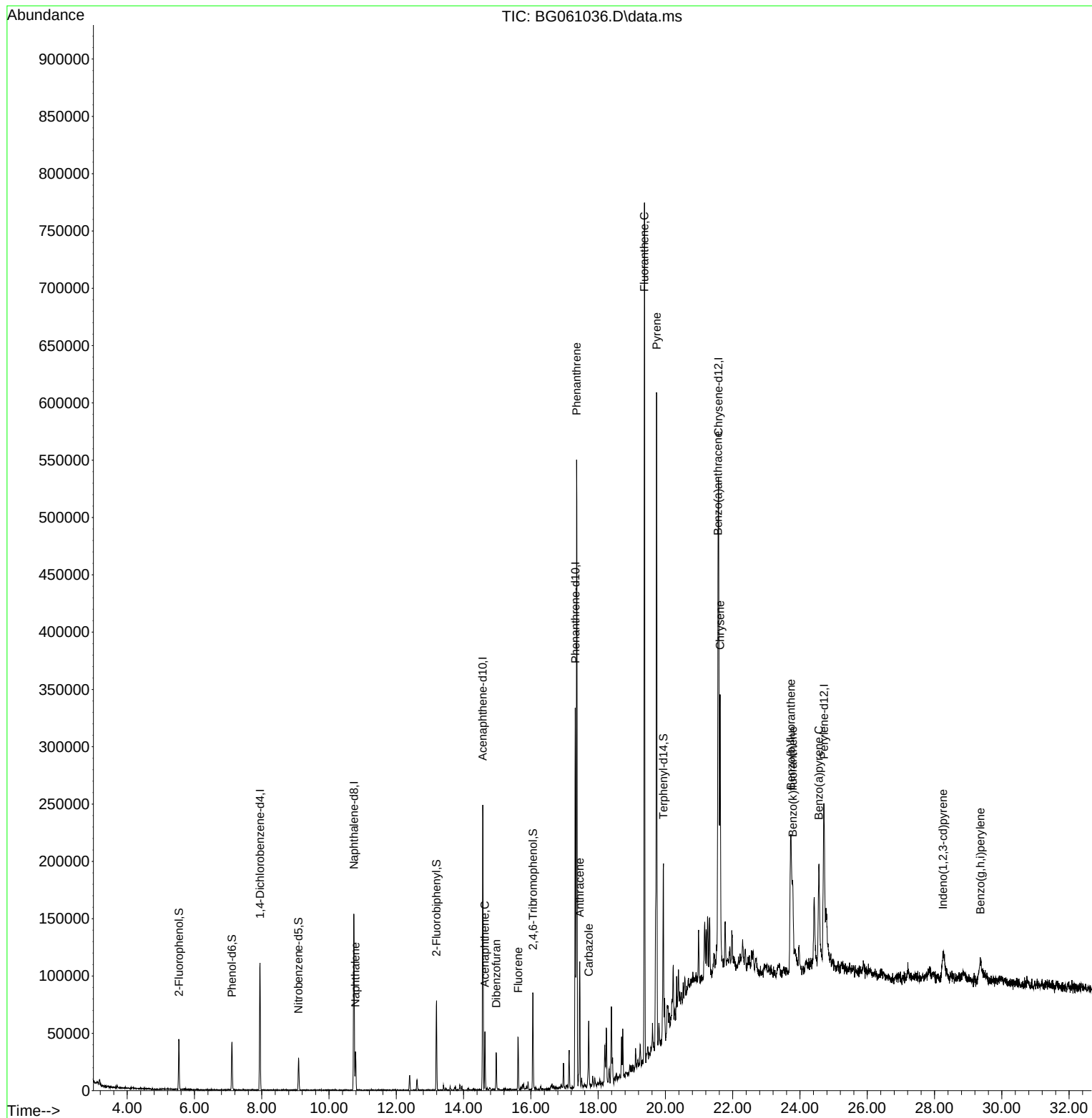
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061036.D
Acq On : 25 Apr 2024 13:44
Operator : MA/JU
Sample : P2126-07DL 10X
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ALS Vial : 6 Sample Multiplier: 1

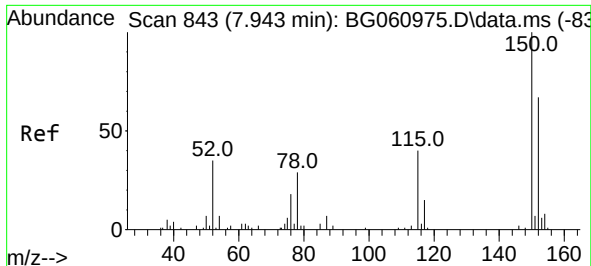
Instrument :
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Quant Time: Apr 25 14:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 04/27/2024





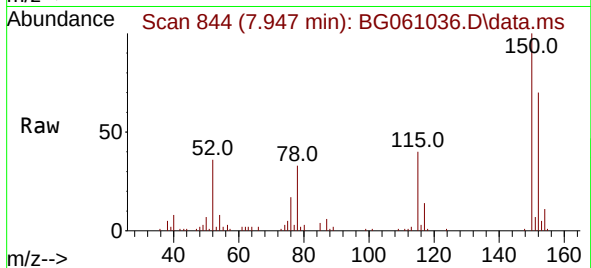
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 843
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL



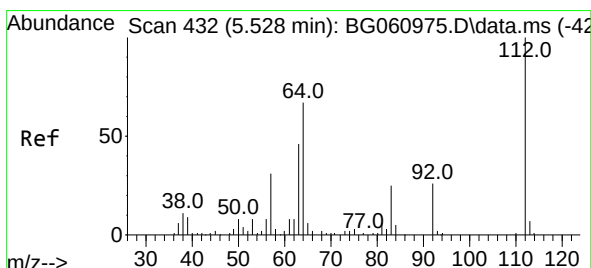
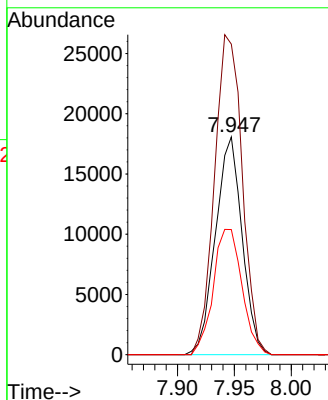
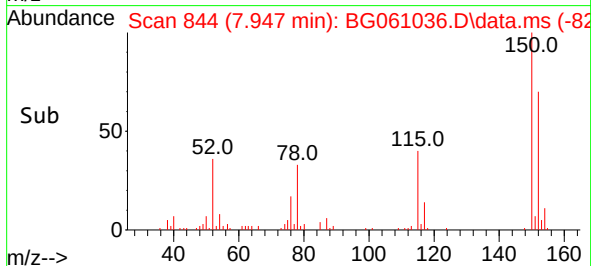
Tgt Ion:152 Resp: 29460
Ion Ratio Lower Upper
152 100
150 142.6 118.6 178.0
115 57.5 47.4 71.0

Manual Integrations

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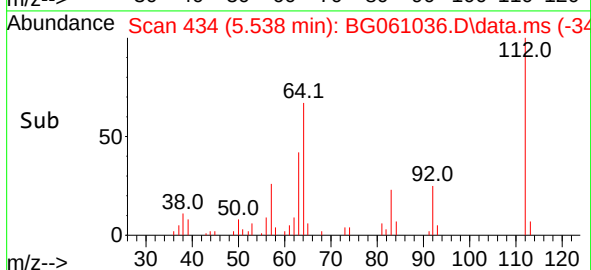
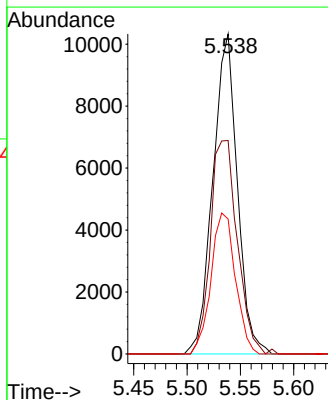
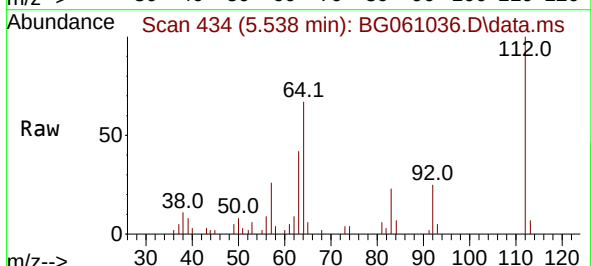
Reviewed By :Yogesh Patel 04/26/2024

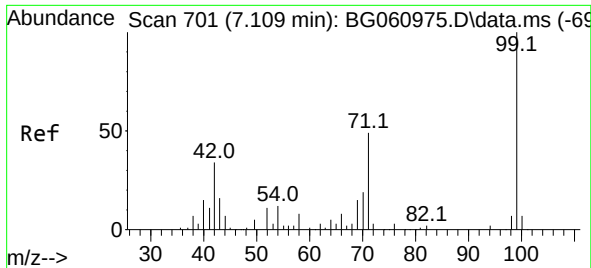
Supervised By :mohammad ahmed 04/27/2024



#5
2-Fluorophenol
Concen: 11.304 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

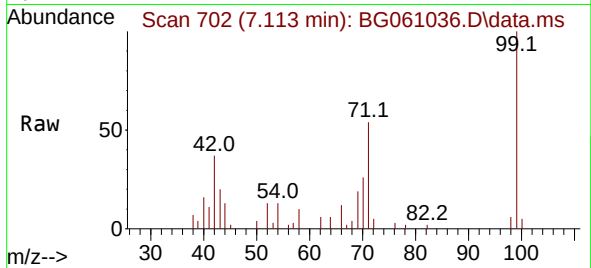
Tgt Ion:112 Resp: 16467
Ion Ratio Lower Upper
112 100
64 66.7 53.7 80.5
63 42.2 37.0 55.6





#7
Phenol-d6
Concen: 9.012 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

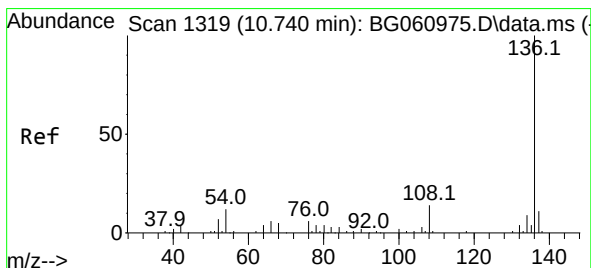
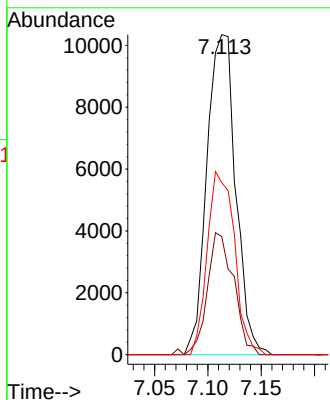
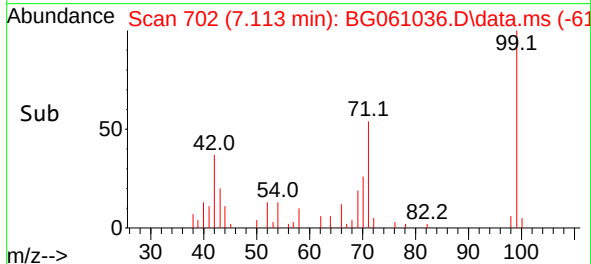
Instrument :
BNA_G
ClientSampleId :
SP-1CDL



Tgt Ion: 99 Resp: 19479
Ion Ratio Lower Upper
99 100
42 37.0 27.2 40.8
71 53.8 38.8 58.2

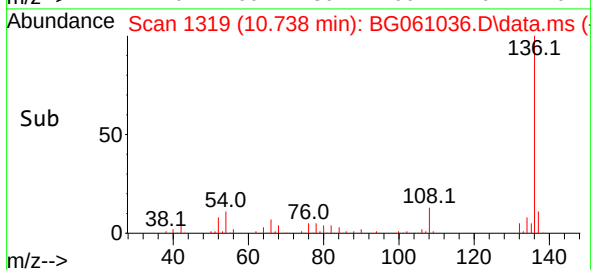
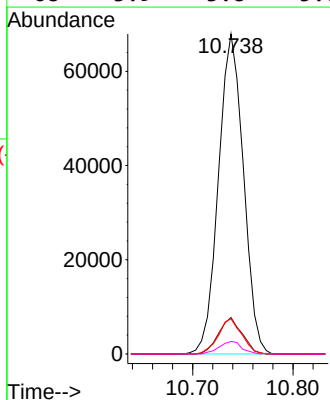
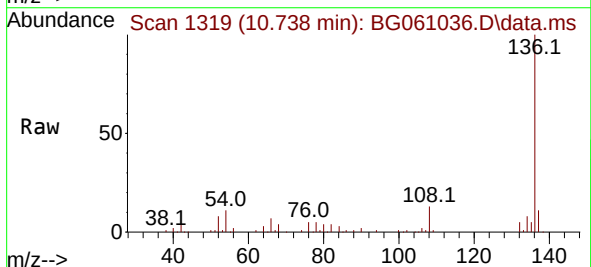
Manual Integrations
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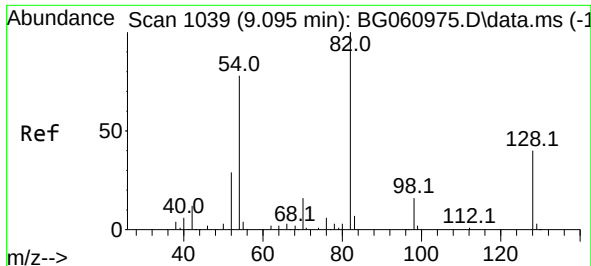
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 1319
Delta R.T. -0.002 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:136 Resp: 117392
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 11.0 9.4 14.0
68 3.9 3.8 5.6





#23
Nitrobenzene-d5
Concen: 5.350 ng
RT: 9.093 min Scan# 1039
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

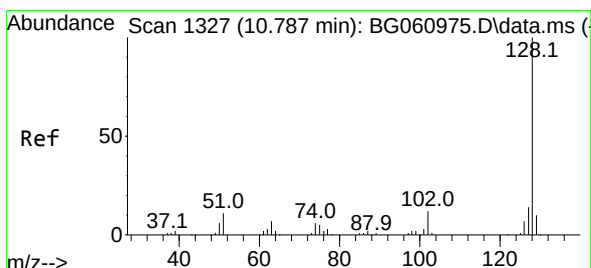
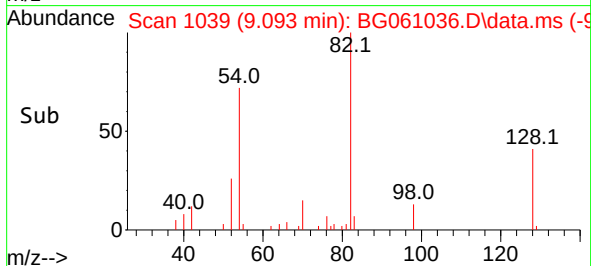
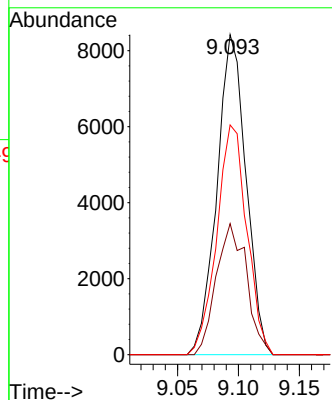
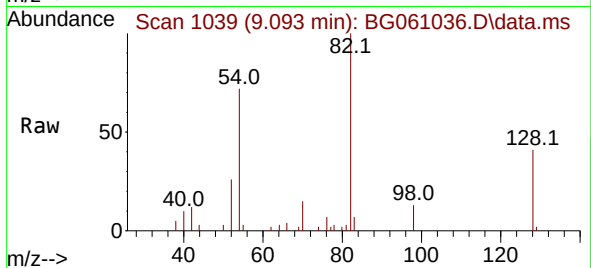
SP-1CDL

Tgt Ion: 82 Resp: 13979
Ion Ratio Lower Upper
82 100
128 41.0 32.1 48.1
54 71.8 62.3 93.5

Manual Integrations

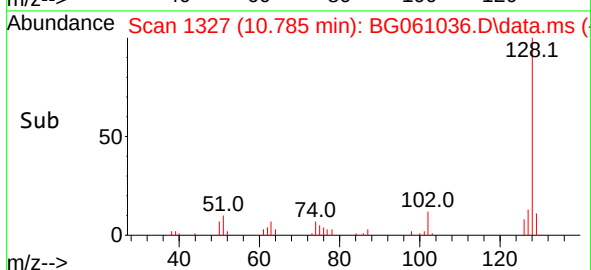
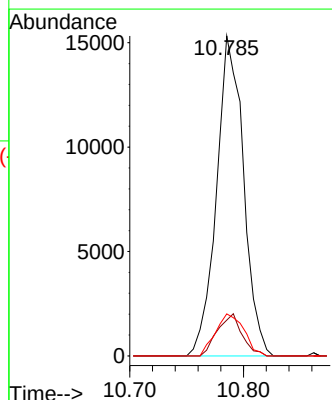
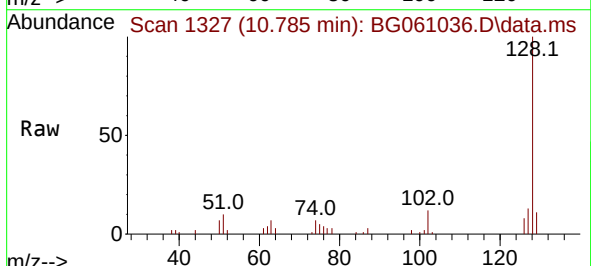
APPROVED

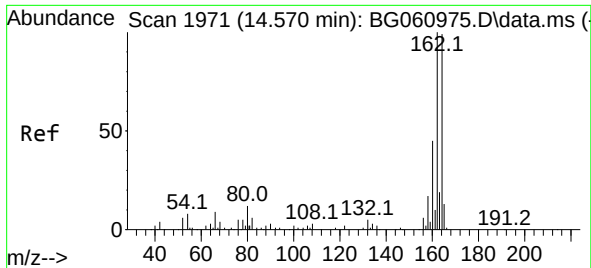
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#31
Naphthalene
Concen: 3.933 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:128 Resp: 25275
Ion Ratio Lower Upper
128 100
129 11.2 8.2 12.4
127 13.1 11.4 17.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

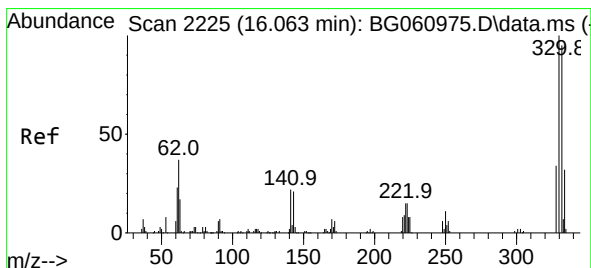
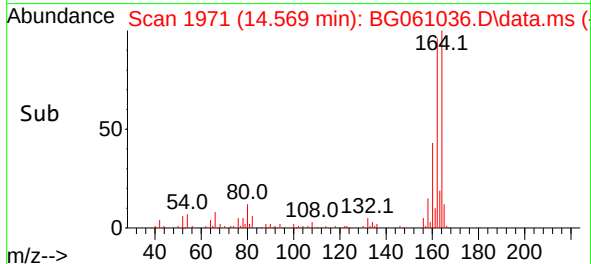
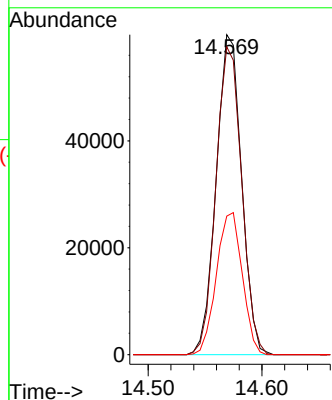
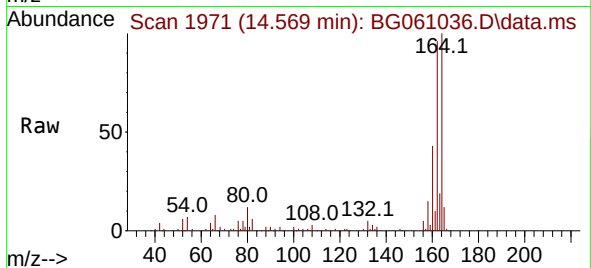
ClientSampleId :

SP-1CDL

Tgt Ion:164 Resp: 92925
Ion Ratio Lower Upper
164 100
162 96.2 81.2 121.8
160 43.3 36.2 54.2

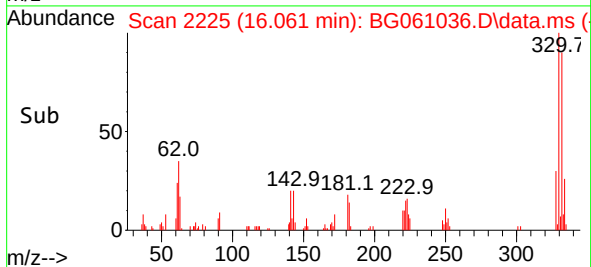
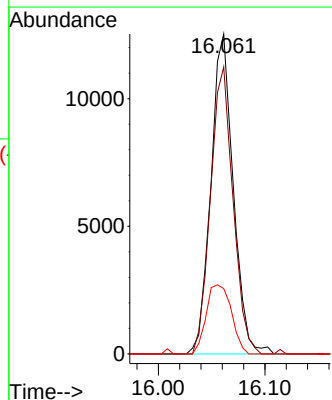
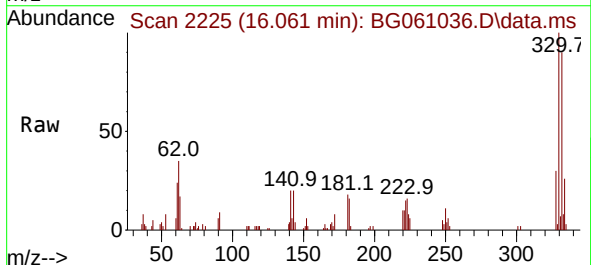
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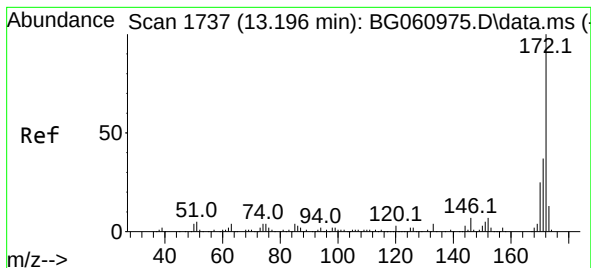
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#42
2,4,6-Tribromophenol
Concen: 8.956 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.002 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

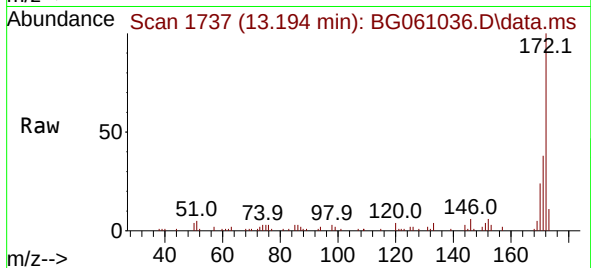
Tgt Ion:330 Resp: 18275
Ion Ratio Lower Upper
330 100
332 90.0 77.1 115.7
141 24.3 20.6 31.0





#45
2-Fluorobiphenyl
Concen: 6.286 ng
RT: 13.194 min Scan# 1737
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

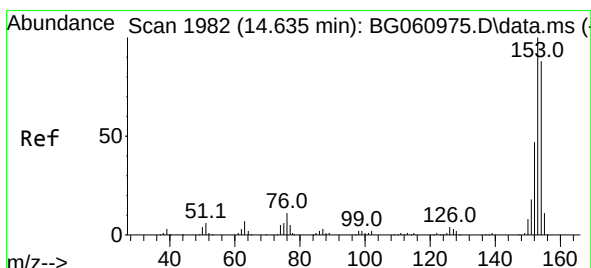
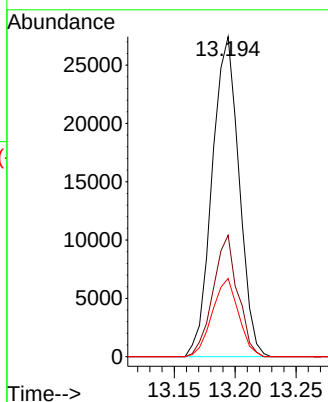
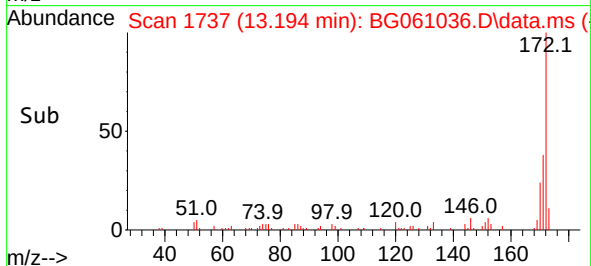
Instrument :
BNA_G
ClientSampleId :
SP-1CDL



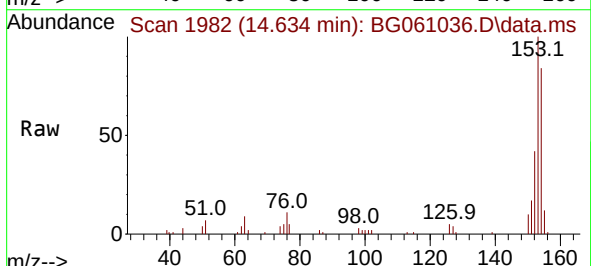
Tgt Ion:172 Resp: 42200
Ion Ratio Lower Upper
172 100
171 37.9 29.3 43.9
170 24.5 20.1 30.1

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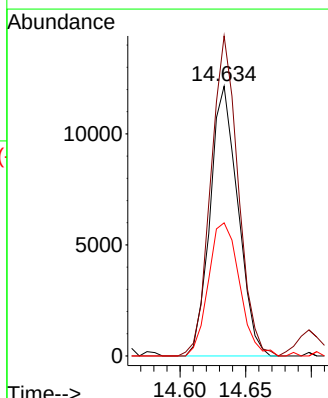
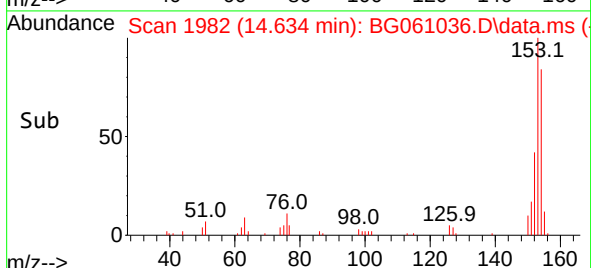
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

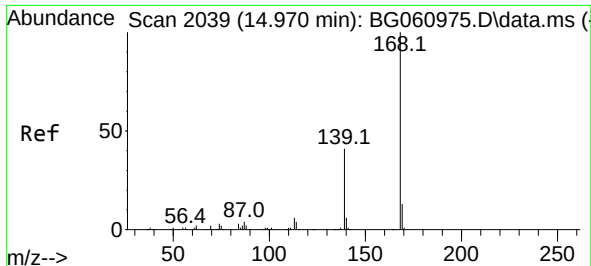


#52
Acenaphthene
Concen: 3.643 ng
RT: 14.634 min Scan# 1982
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44



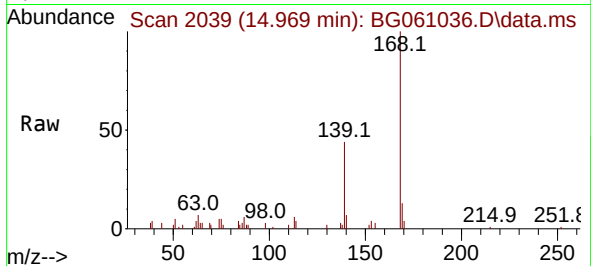
Tgt Ion:154 Resp: 17891
Ion Ratio Lower Upper
154 100
153 118.6 91.2 136.8
152 49.4 42.7 64.1





#55
Dibenzenofuran
Concen: 2.154 ng
RT: 14.969 min Scan# 2039
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

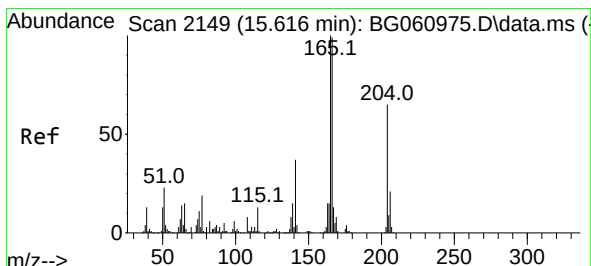
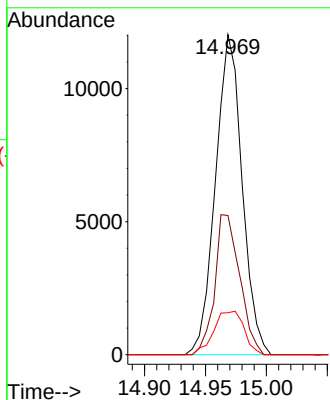
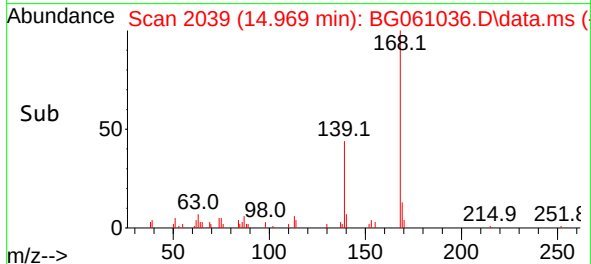
Instrument :
BNA_G
ClientSampleId :
SP-1CDL



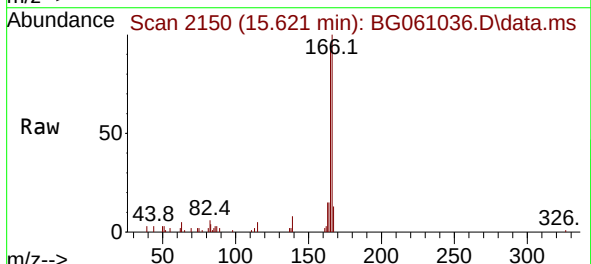
Tgt Ion:168 Resp: 1826
Ion Ratio Lower Upper
168 100
139 43.5 32.4 48.6
169 13.1 10.6 15.8

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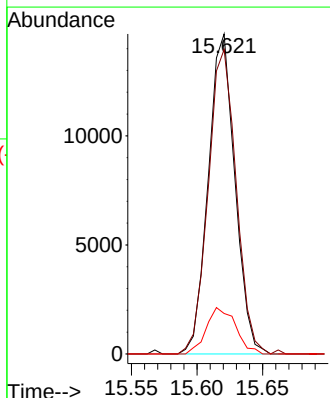
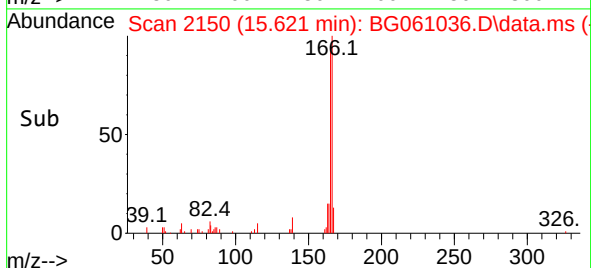
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

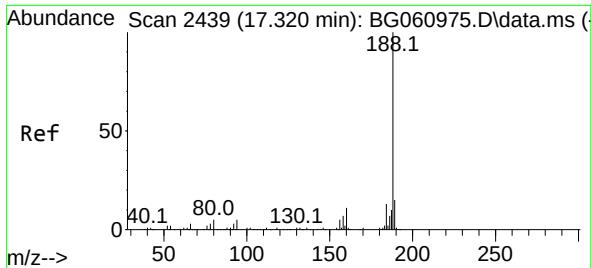


#58
Fluorene
Concen: 2.902 ng
RT: 15.621 min Scan# 2150
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44



Tgt Ion:166 Resp: 20773
Ion Ratio Lower Upper
166 100
165 95.1 80.9 121.3
167 12.6 10.5 15.7





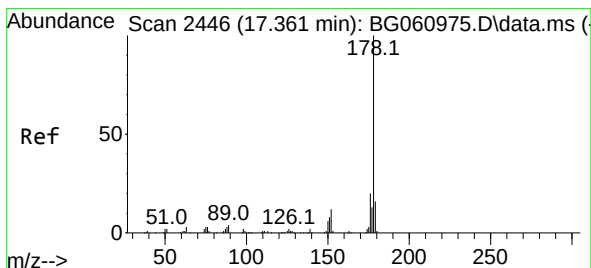
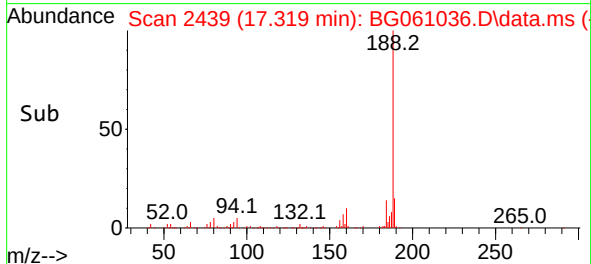
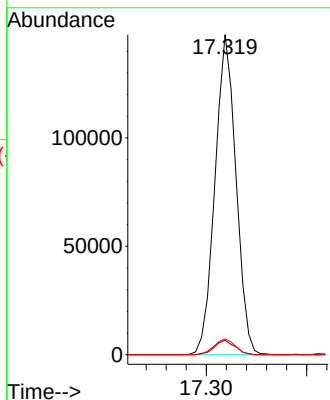
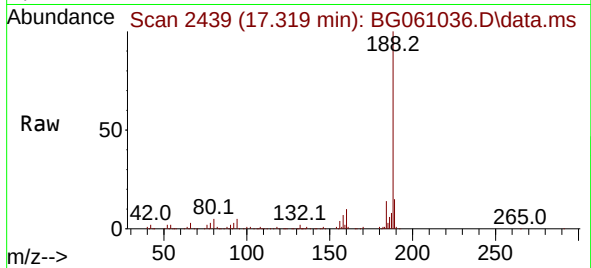
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Instrument :
BNA_G
ClientSampleId :
SP-1CDL

Tgt Ion:188 Resp: 214679
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 4.9 4.0 6.0

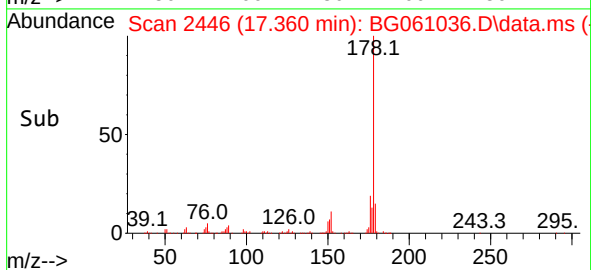
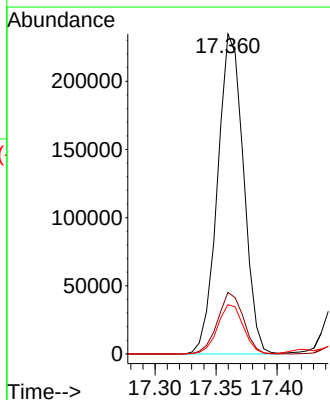
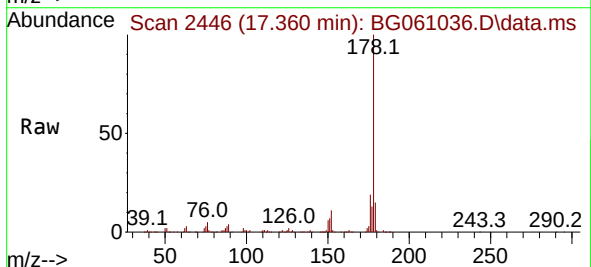
Manual Integrations
APPROVED

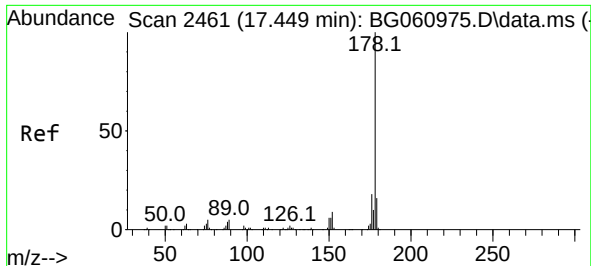
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#71
Phenanthrene
Concen: 31.781 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

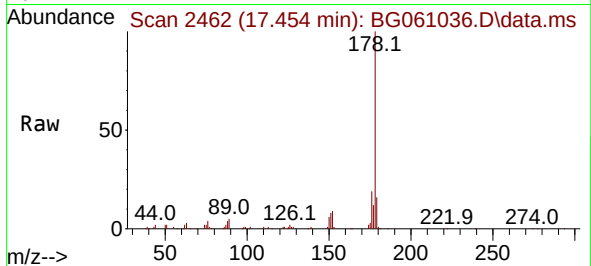
Tgt Ion:178 Resp: 348242
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 12.5 18.7





#72
 Anthracene
 Concen: 6.479 ng
 RT: 17.454 min Scan# 2461
 Delta R.T. 0.004 min
 Lab File: BG061036.D
 Acq: 25 Apr 2024 13:44

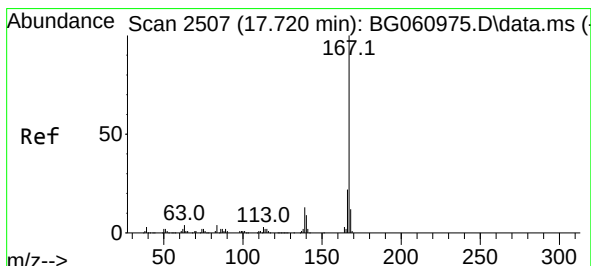
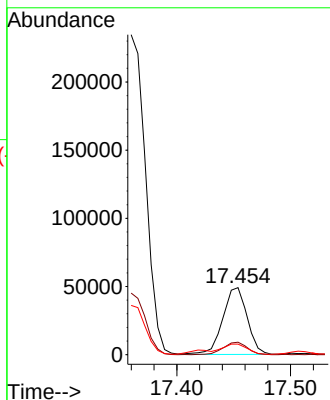
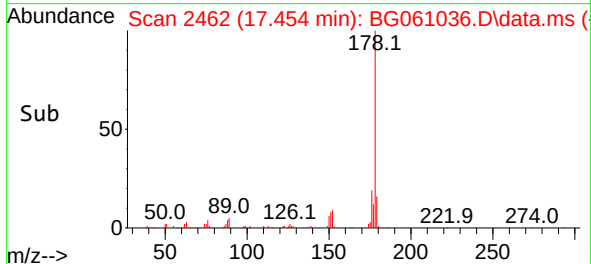
Instrument :
 BNA_G
 ClientSampleId :
 SP-1CDL



Tgt Ion:178 Resp: 73119
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.7 22.1
 179 15.7 12.4 18.6

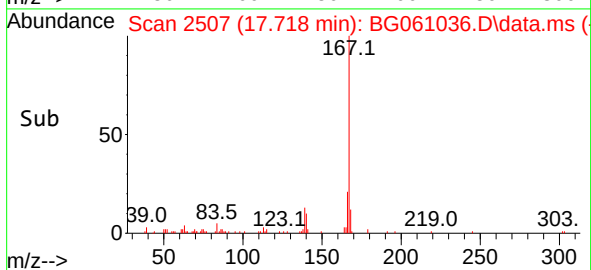
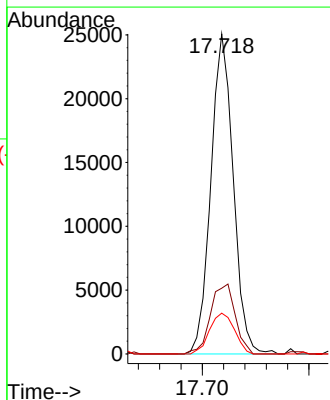
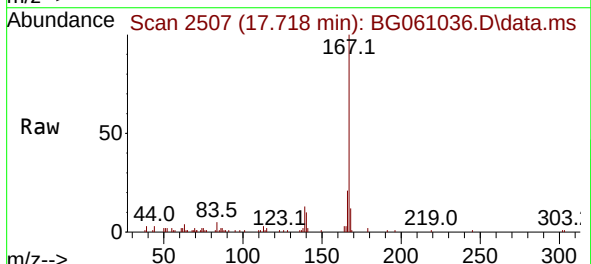
Manual Integrations
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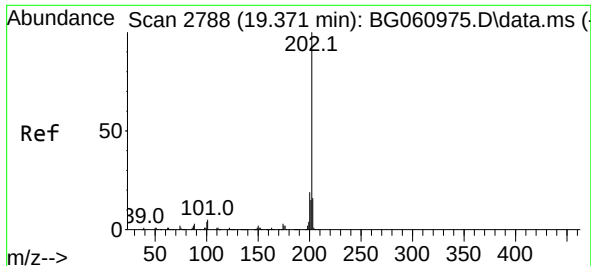
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#73
 Carbazole
 Concen: 3.900 ng
 RT: 17.718 min Scan# 2507
 Delta R.T. -0.001 min
 Lab File: BG061036.D
 Acq: 25 Apr 2024 13:44

Tgt Ion:167 Resp: 36557
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.8 26.8
 139 12.8 10.2 15.2





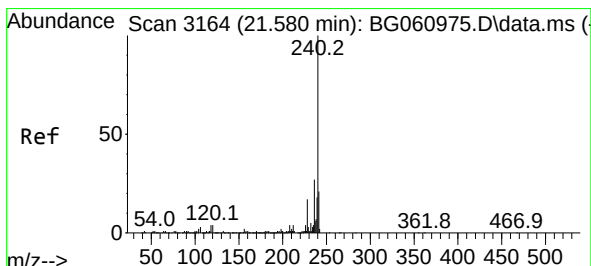
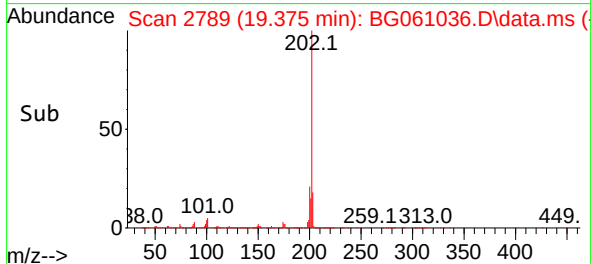
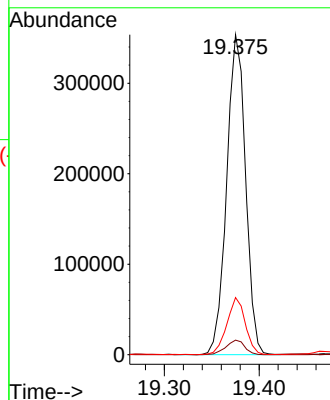
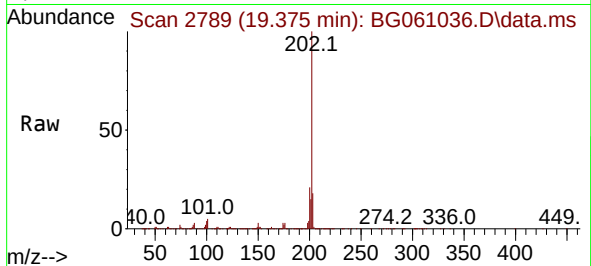
#75
Fluoranthene
Concen: 33.748 ng
RT: 19.375 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Instrument :
BNA_G
ClientSampleId :
SP-1CDL

Tgt Ion:202 Resp: 490768
Ion Ratio Lower Upper
202 100
101 4.5 0.0 24.9
203 17.8 0.0 36.2

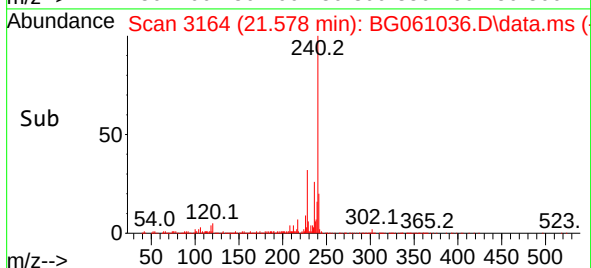
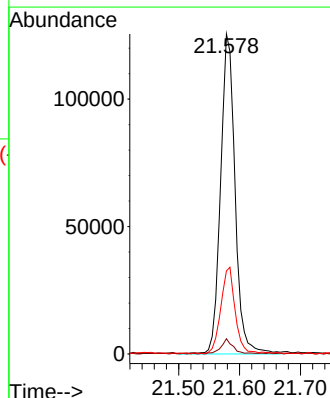
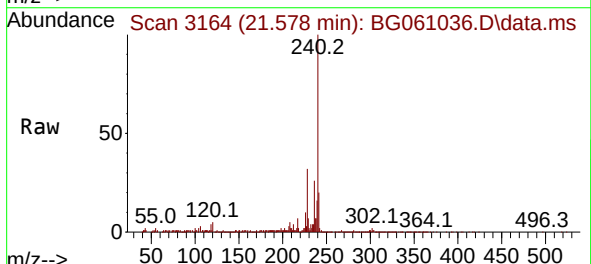
Manual Integrations
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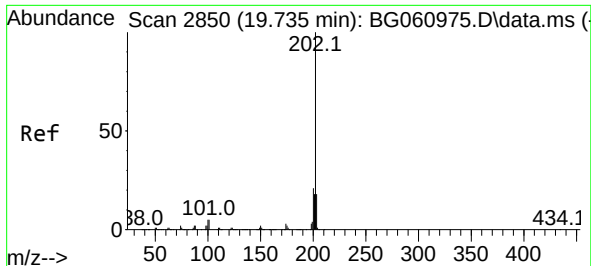
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

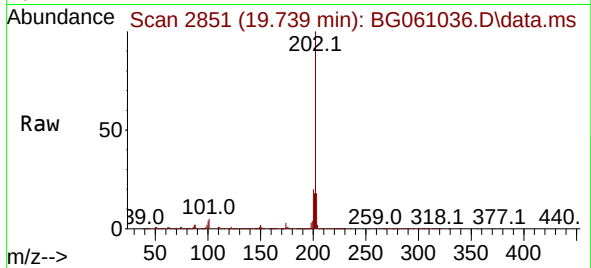
Tgt Ion:240 Resp: 207965
Ion Ratio Lower Upper
240 100
120 4.8 3.0 4.6#
236 26.0 21.8 32.6





#78
 Pyrene
 Concen: 29.289 ng
 RT: 19.739 min Scan# 2850
 Delta R.T. 0.004 min
 Lab File: BG061036.D
 Acq: 25 Apr 2024 13:44

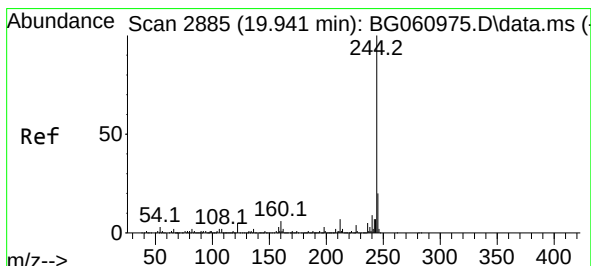
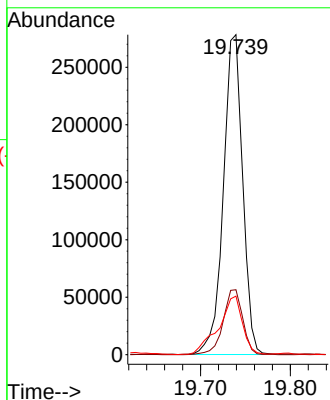
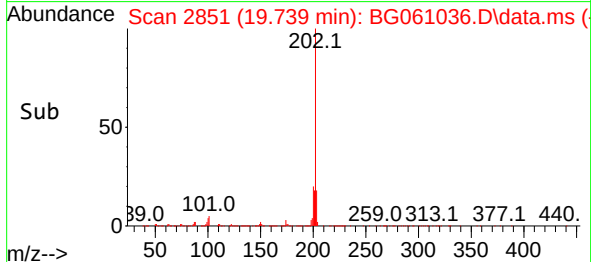
Instrument :
 BNA_G
 ClientSampleId :
 SP-1CDL



Tgt Ion:202 Resp: 41473
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.8 25.2
 203 18.3 14.2 21.2

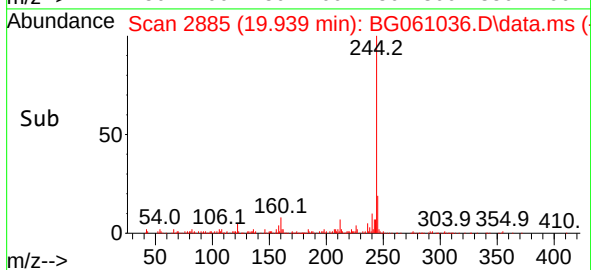
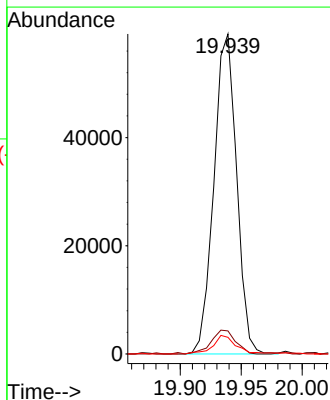
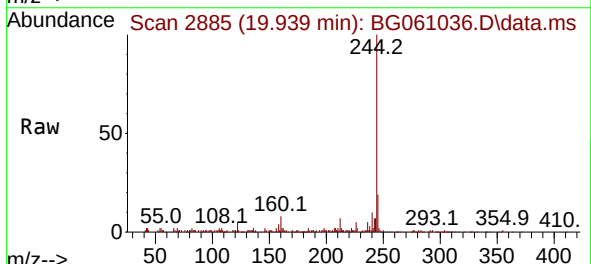
Manual Integrations
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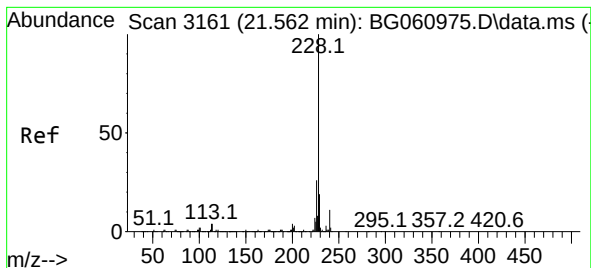
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#79
 Terphenyl-d14
 Concen: 5.727 ng
 RT: 19.939 min Scan# 2885
 Delta R.T. -0.001 min
 Lab File: BG061036.D
 Acq: 25 Apr 2024 13:44

Tgt Ion:244 Resp: 76735
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 5.2 4.2 6.2





#81

Benzo(a)anthracene

Concen: 13.944 ng

RT: 21.561 min Scan# 3161

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

Tgt Ion:228 Resp: 20388

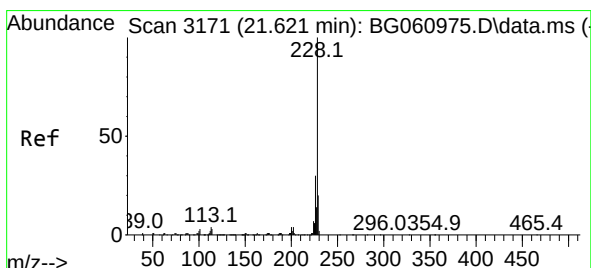
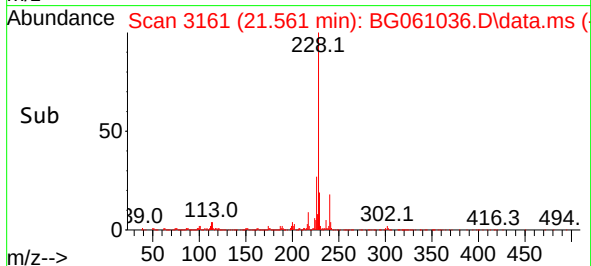
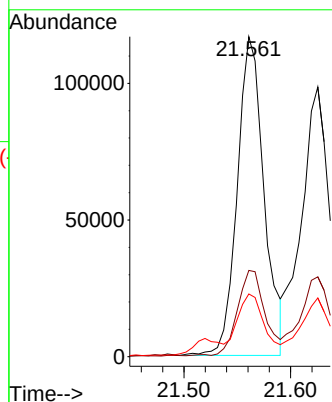
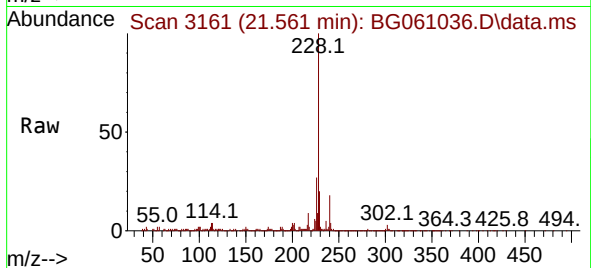
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.0	31.4
229	19.6	15.0	22.4

Manual Integrations

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Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#83

Chrysene

Concen: 13.267 ng

RT: 21.625 min Scan# 3172

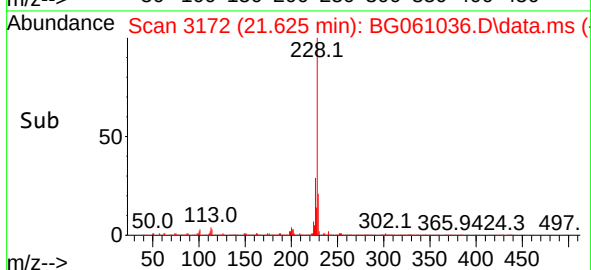
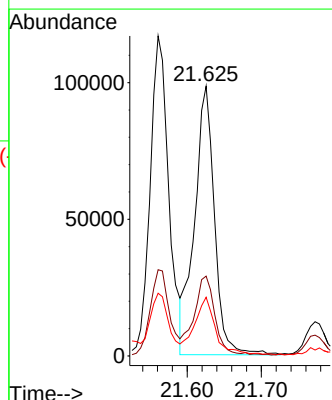
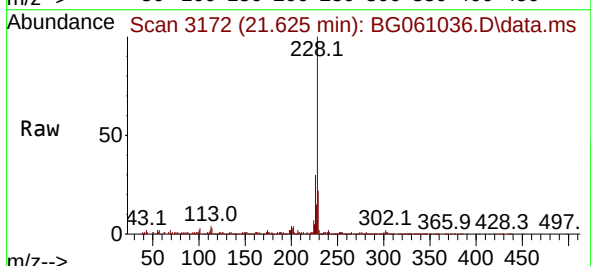
Delta R.T. 0.004 min

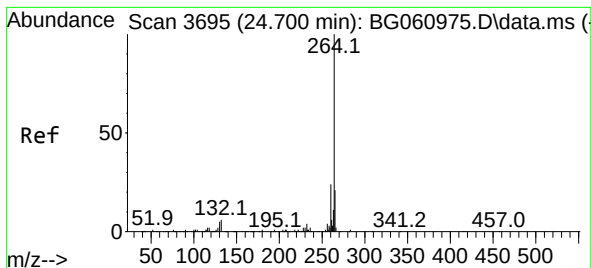
Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Tgt Ion:228 Resp: 184682

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.2
229	21.7	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3

Delta R.T. 0.010 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

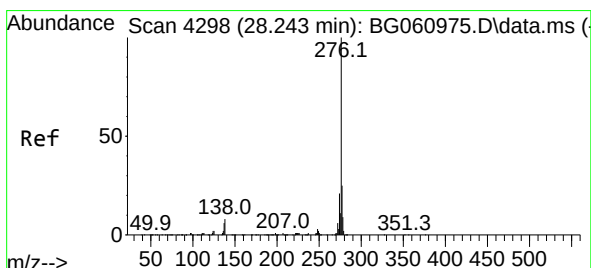
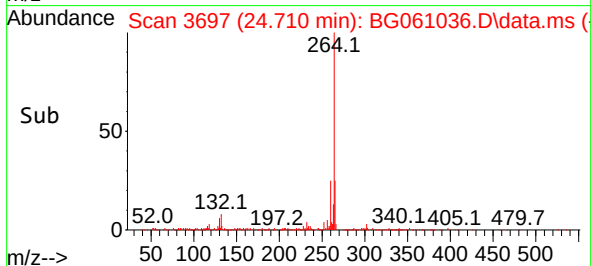
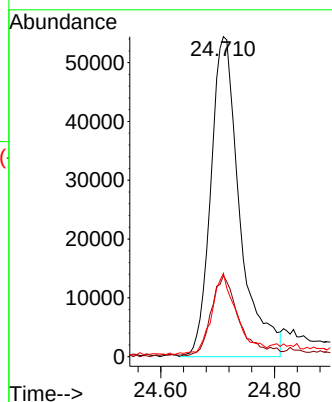
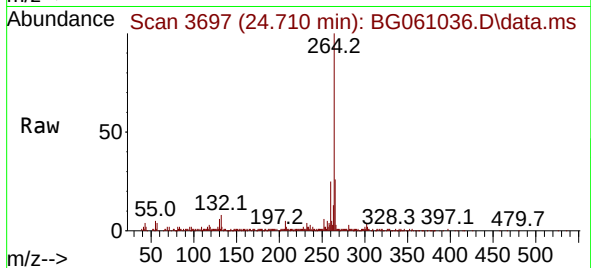
Tgt Ion:	264	Resp:	192618
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.4	29.2
265	26.0	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.234 ng

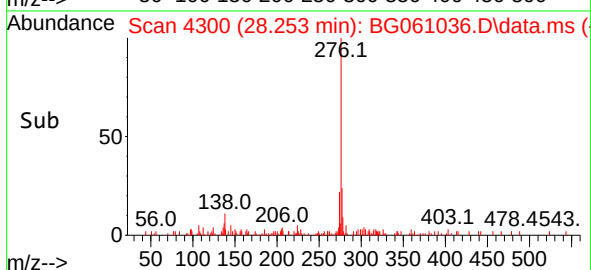
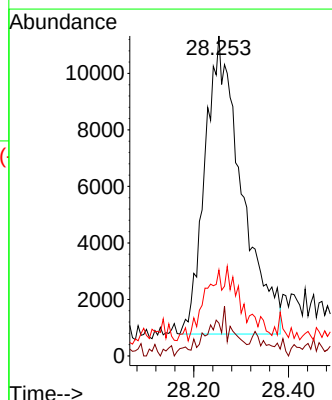
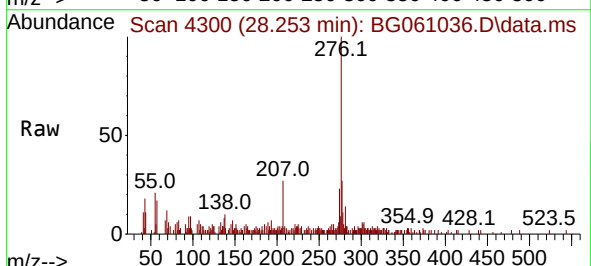
RT: 28.253 min Scan# 4300

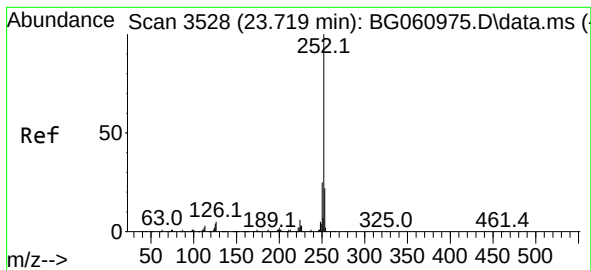
Delta R.T. 0.010 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Tgt Ion:	276	Resp:	56573
Ion Ratio	Lower	Upper	
276	100		
138	4.1	5.3	7.9#
277	11.2	20.6	30.8#





#88

Benzo(b)fluoranthene

Concen: 17.500 ng

RT: 23.729 min Scan# 3530

Delta R.T. 0.010 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

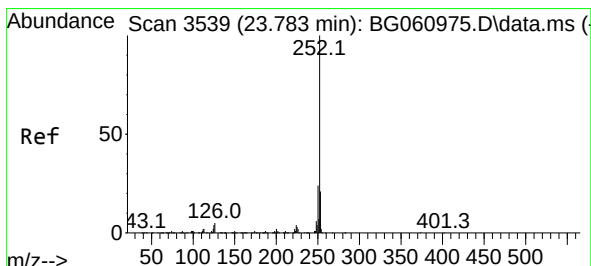
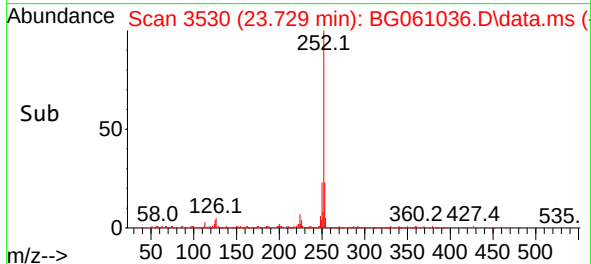
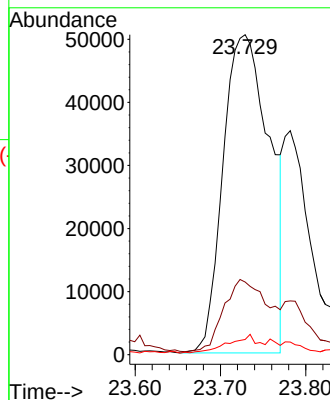
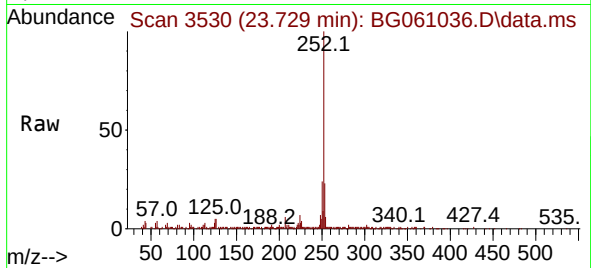
Tgt Ion:252 Resp: 19101
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 4.8 3.3 4.9

Manual Integrations

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Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#89

Benzo(k)fluoranthene

Concen: 7.603 ng m

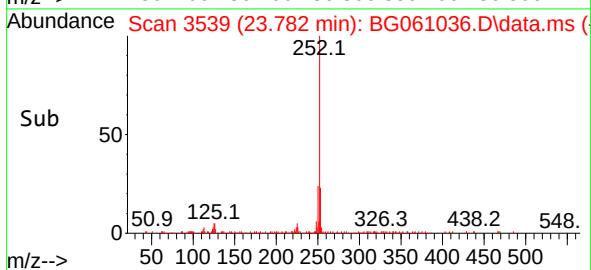
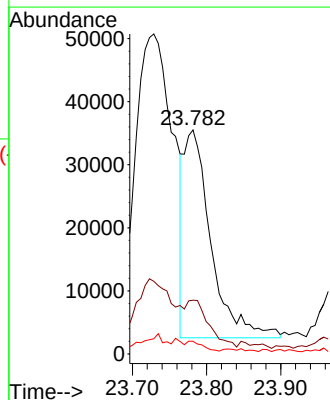
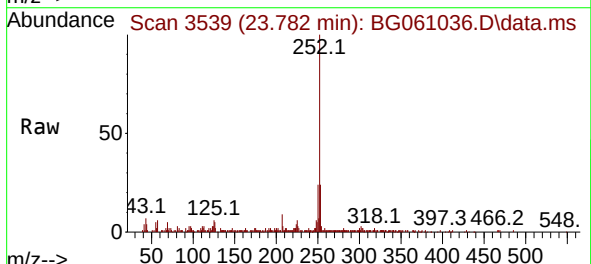
RT: 23.782 min Scan# 3539

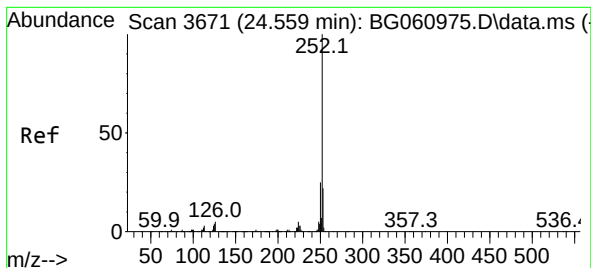
Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Tgt Ion:252 Resp: 83781
 Ion Ratio Lower Upper
 252 100
 253 24.0 16.6 25.0
 125 5.7 3.3 4.9#





#90

Benzo(a)pyrene

Concen: 11.061 ng

RT: 24.563 min Scan# 30

Delta R.T. 0.004 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

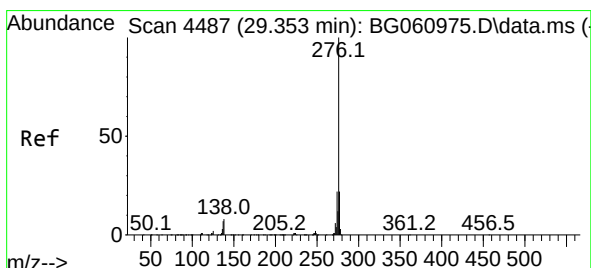
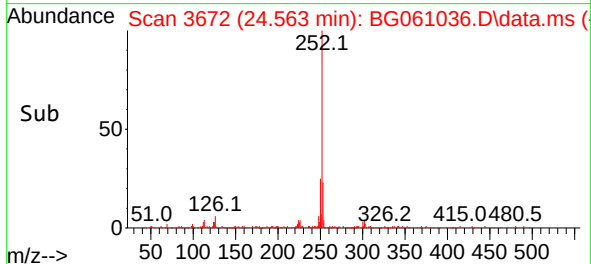
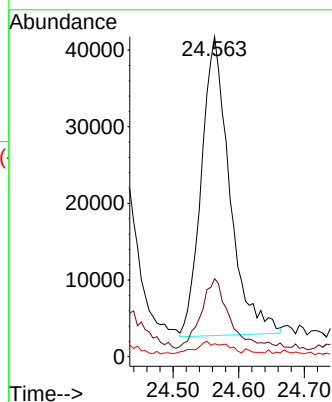
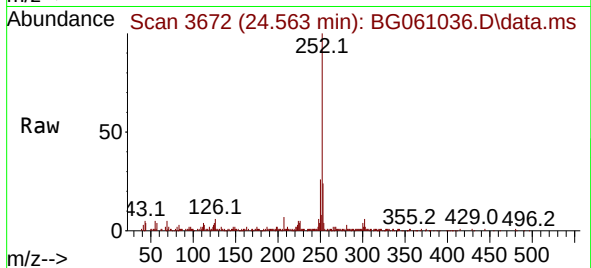
Tgt Ion:	252	Resp:	11686
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.7	26.5
125	4.0	3.6	5.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#92

Benzo(g,h,i)perylene

Concen: 4.928 ng

RT: 29.363 min Scan# 4489

Delta R.T. 0.010 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Tgt Ion:	276	Resp:	53347
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.0	27.0
138	9.2	6.5	9.7

