

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
 Data File : BG060881.D
 Acq On : 12 Apr 2024 19:44
 Operator : MA/JU
 Sample : P2090-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-04112024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/16/2024
 Supervised By :mohammad ahmed 04/17/2024

Quant Time: Apr 12 22:42:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	64006	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	245214	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	181074	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	399678	20.000	ng	0.00
76) Chrysene-d12	21.595	240	377887	20.000	ng	0.00
86) Perylene-d12	24.738	264	389197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	170966	44.497	ng	0.00
7) Phenol-d6	7.112	99	227146	39.828	ng	0.00
23) Nitrobenzene-d5	9.104	82	156317	36.375	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	123757	60.208	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	370410	30.022	ng	-0.02
79) Terphenyl-d14	19.950	244	649116	30.247	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.802	128	28794	2.171	ng	96
37) 2-Methylnaphthalene	12.406	142	22368	2.294	ng	97
38) 1-Methylnaphthalene	12.623	142	25420	2.759	ng	# 85
52) Acenaphthene	14.644	154	34207	3.337	ng	97
55) Dibenzofuran	14.973	168	45528	2.816	ng	# 98
58) Fluorene	15.626	166	106058	8.172	ng	97
71) Phenanthrene	17.371	178	1276344	61.403	ng	99
72) Anthracene	17.459	178	181349	8.591	ng	100
73) Carbazole	17.729	167	70051	3.764	ng	96
75) Fluoranthene	19.386	202	1795135	71.170	ng	97
78) Pyrene	19.750	202	1637429	61.957	ng	99
81) Benzo(a)anthracene	21.577	228	781021	29.321	ng	98
83) Chrysene	21.636	228	825806	32.165	ng	98
84) Bis(2-ethylhexyl)phtha...	21.507	149	728802	47.429	ng	96
87) Indeno(1,2,3-cd)pyrene	28.299	276	290385m	10.595	ng	
88) Benzo(b)fluoranthene	23.751	252	814505	36.428	ng	99
89) Benzo(k)fluoranthene	23.804	252	362678m	15.847	ng	
90) Benzo(a)pyrene	24.592	252	579904m	26.688	ng	
92) Benzo(g,h,i)perylene	29.404	276	254416m	11.320	ng	

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

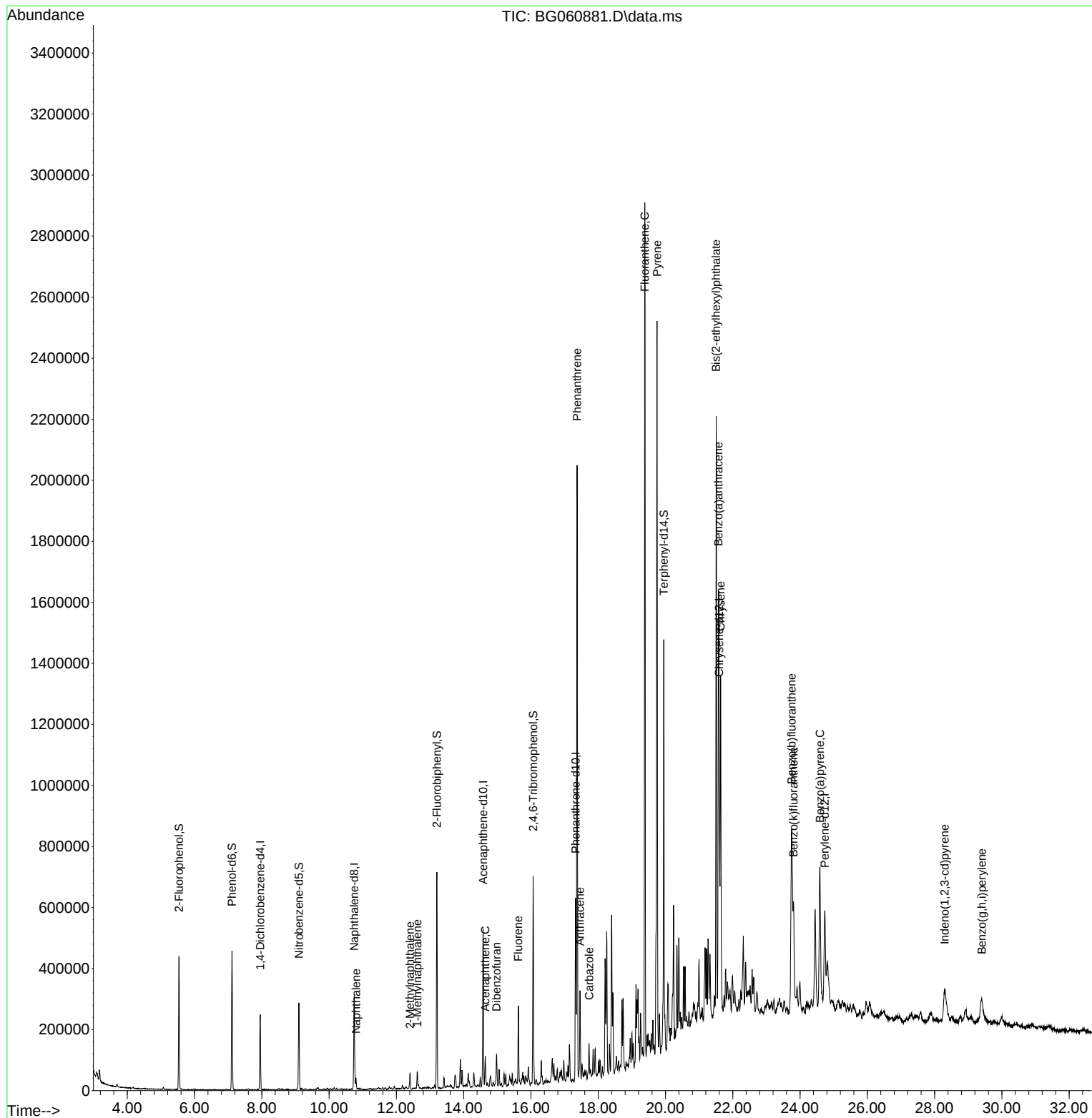
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
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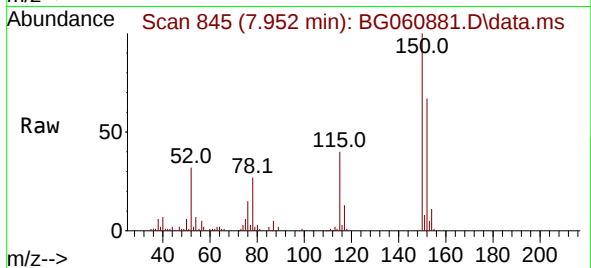
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 846
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

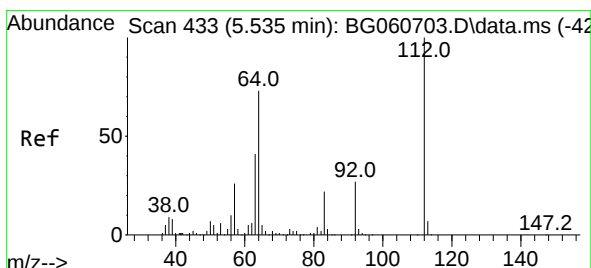
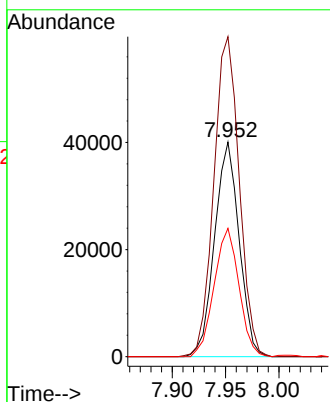
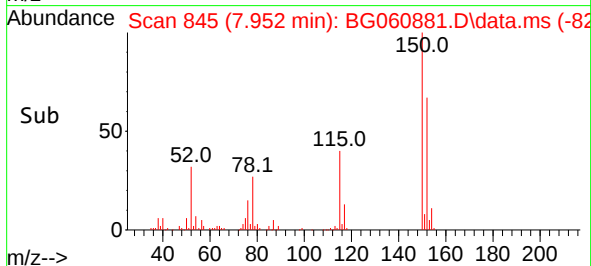
TR-05-04112024



Tgt Ion:152 Resp: 64000
Ion Ratio Lower Upper
152 100
150 149.1 130.2 195.4
115 59.8 51.6 77.4

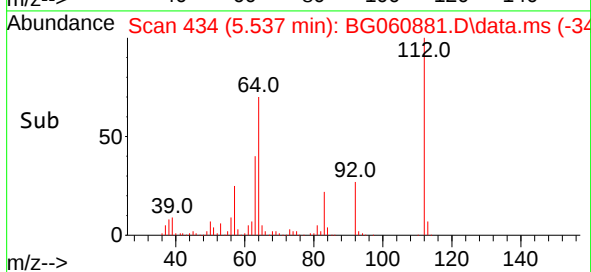
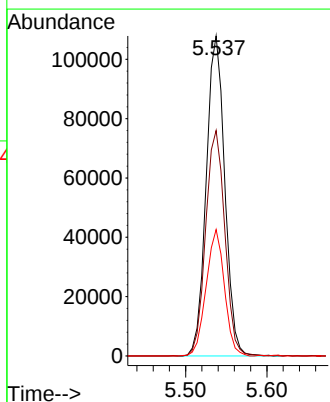
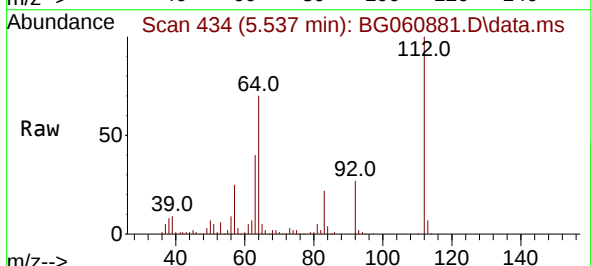
Manual Integrations
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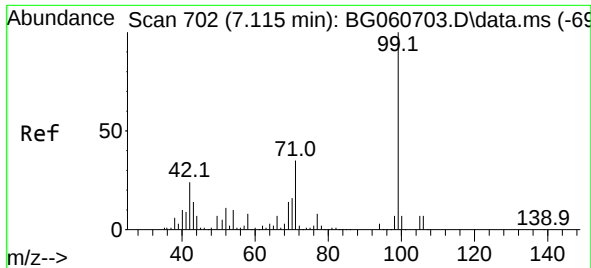
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024



#5
2-Fluorophenol
Concen: 44.497 ng
RT: 5.537 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

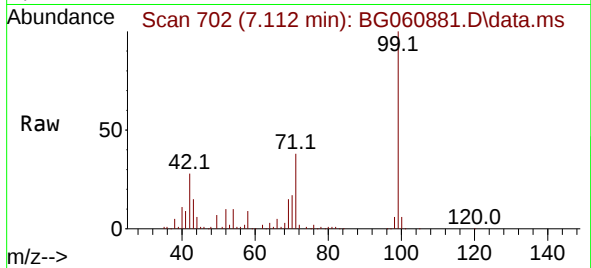
Tgt Ion:112 Resp: 170966
Ion Ratio Lower Upper
112 100
64 70.4 58.4 87.6
63 39.5 32.7 49.1





#7
Phenol-d6
Concen: 39.828 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

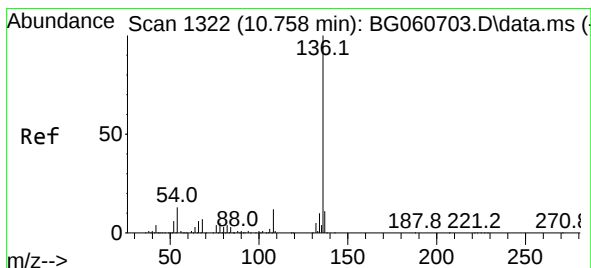
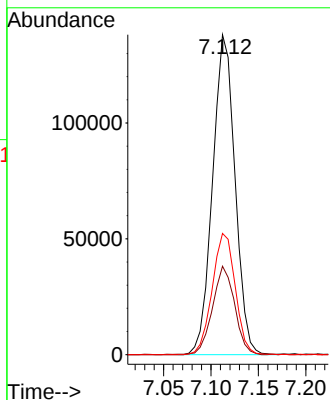
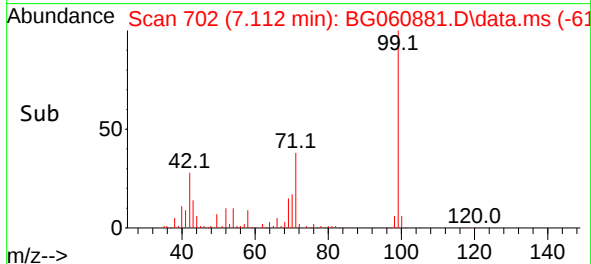
Instrument :
BNA_G
ClientSampleId :
TR-05-04112024



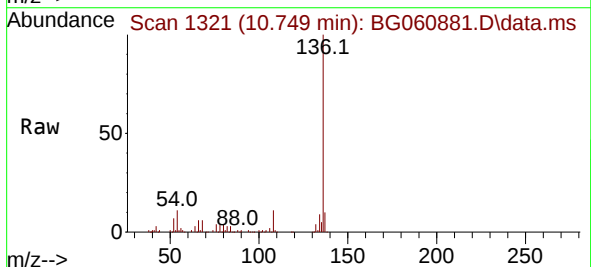
Tgt Ion: 99 Resp: 227140
Ion Ratio Lower Upper
99 100
42 27.7 19.4 29.2
71 37.9 28.2 42.2

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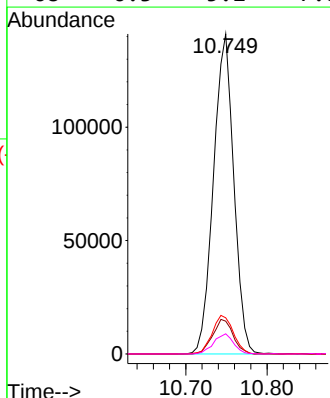
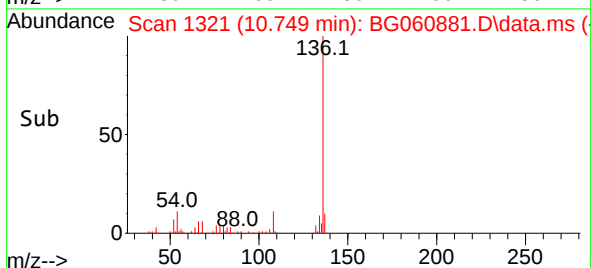
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024

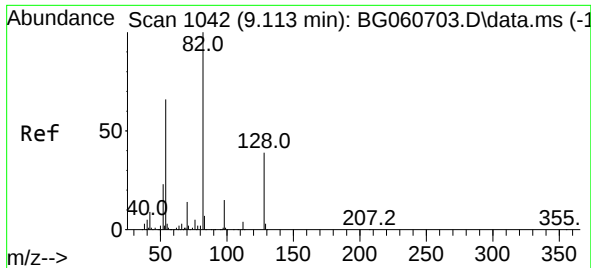


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1321
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44



Tgt Ion:136 Resp: 245214
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 11.3 10.2 15.2
68 6.3 5.2 7.8





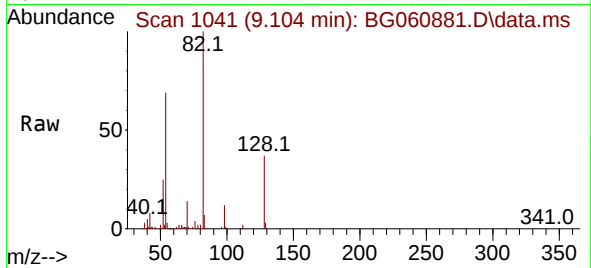
#23
Nitrobenzene-d5
Concen: 36.375 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

TR-05-04112024

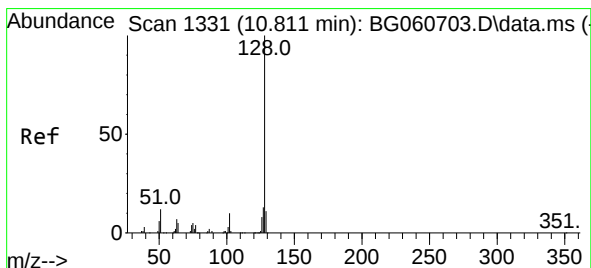
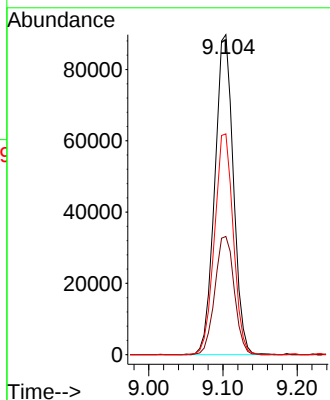
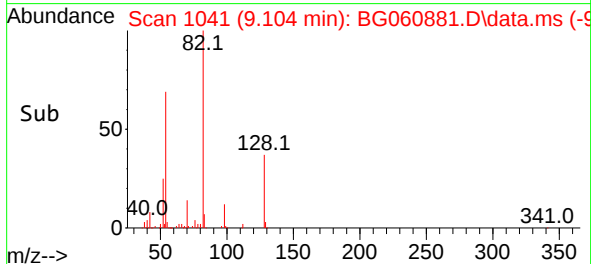


Tgt Ion: 82 Resp: 15631
Ion Ratio Lower Upper
82 100
128 36.9 31.2 46.8
54 69.0 53.2 79.8

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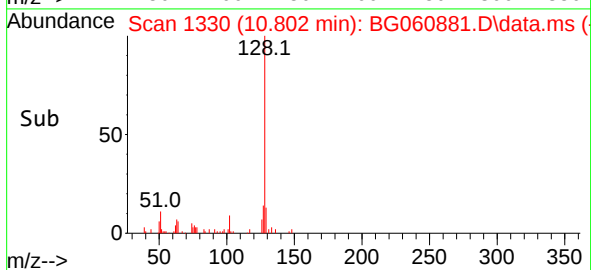
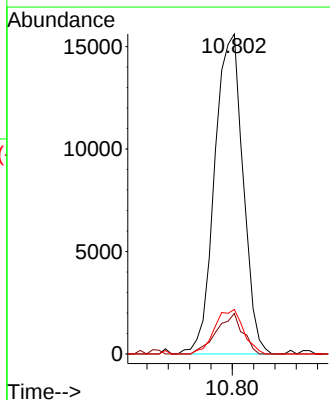
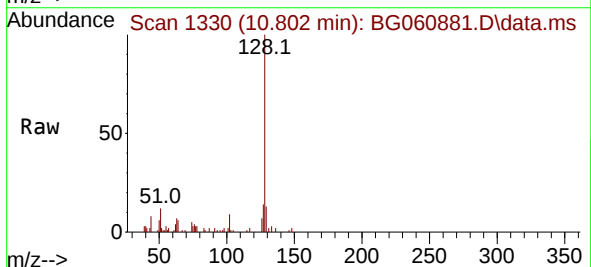
Reviewed By :Yogesh Patel 04/16/2024

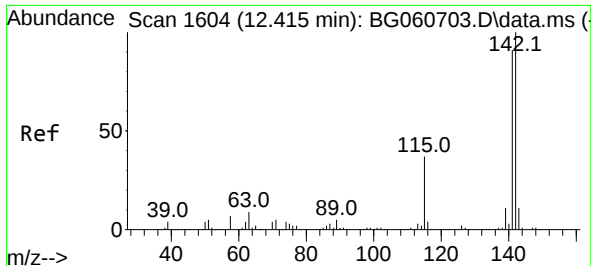
Supervised By :mohammad ahmed 04/17/2024



#31
Naphthalene
Concen: 2.171 ng
RT: 10.802 min Scan# 1330
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

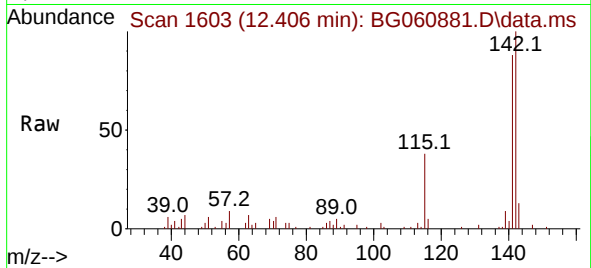
Tgt Ion:128 Resp: 28794
Ion Ratio Lower Upper
128 100
129 12.6 8.5 12.7
127 13.9 10.5 15.7





#37
2-Methylnaphthalene
Concen: 2.294 ng
RT: 12.406 min Scan# 1603
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

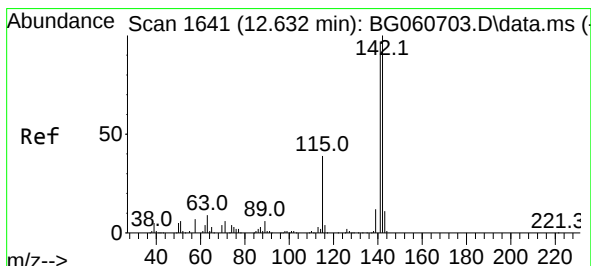
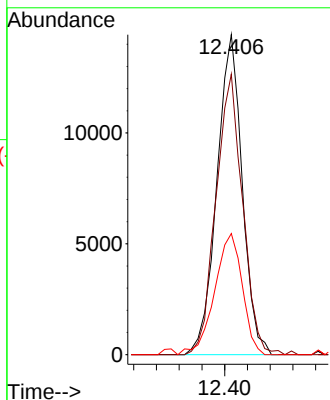
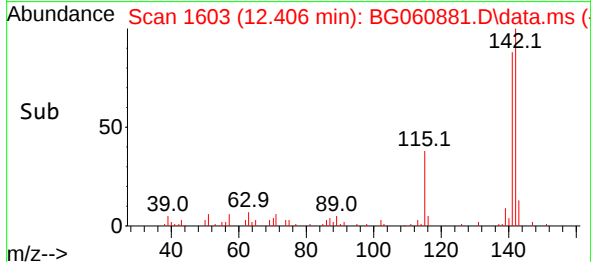
Instrument :
BNA_G
ClientSampleId :
TR-05-04112024



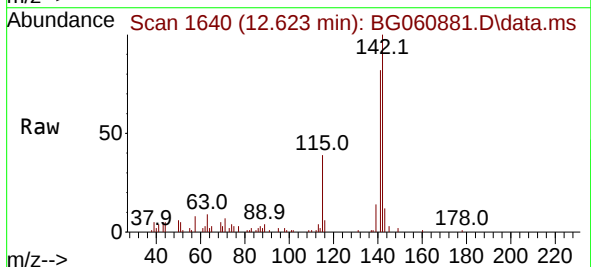
Tgt Ion:142 Resp: 22368
Ion Ratio Lower Upper
142 100
141 87.6 72.7 109.1
115 37.9 29.9 44.9

Manual Integrations
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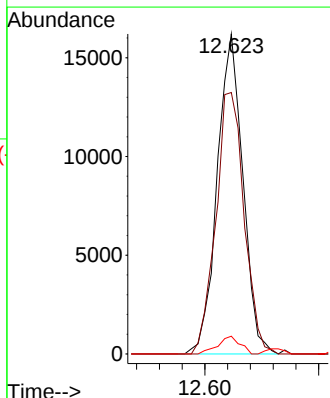
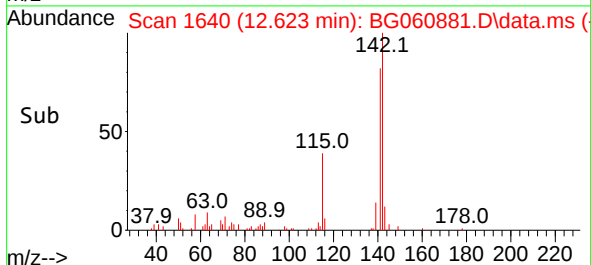
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024

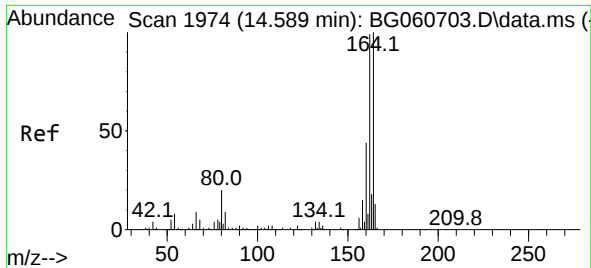


#38
1-Methylnaphthalene
Concen: 2.759 ng
RT: 12.623 min Scan# 1640
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44



Tgt Ion:142 Resp: 25420
Ion Ratio Lower Upper
142 100
141 81.7 77.7 116.5
116 5.6 3.4 5.2#





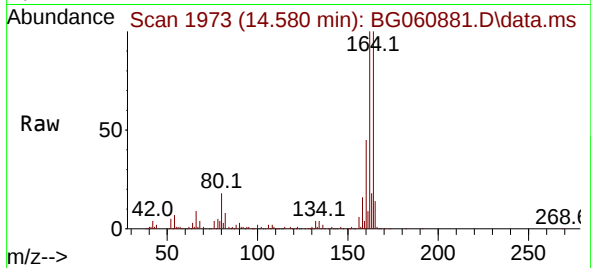
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

TR-05-04112024



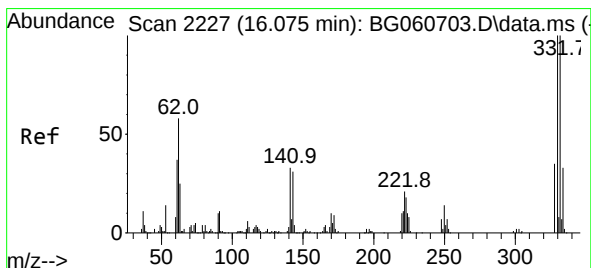
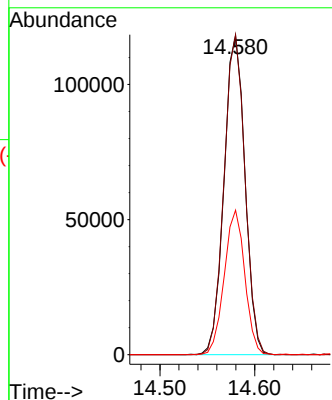
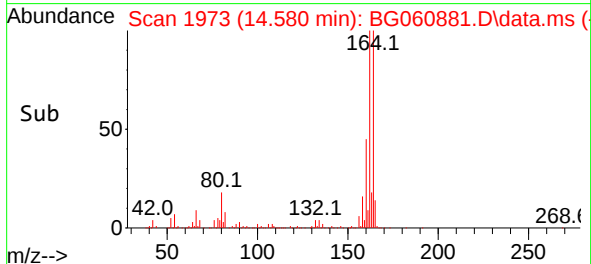
Tgt Ion:164 Resp: 181074
Ion Ratio Lower Upper
164 100
162 100.2 79.5 119.3
160 45.2 35.4 53.0

Manual Integrations

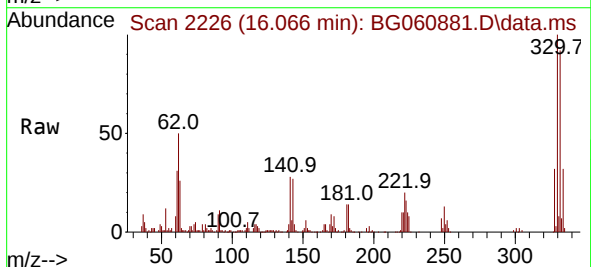
APPROVED

Reviewed By :Yogesh Patel 04/16/2024

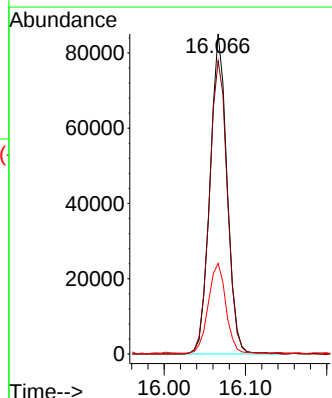
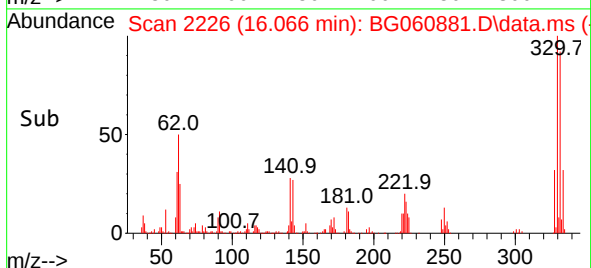
Supervised By :mohammad ahmed 04/17/2024

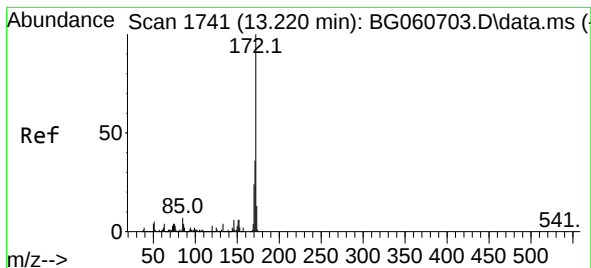


#42
2,4,6-Tribromophenol
Concen: 60.208 ng
RT: 16.066 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44



Tgt Ion:330 Resp: 123757
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.4
141 29.8 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 30.022 ng

RT: 13.205 min Scan# 1739

Delta R.T. -0.015 min

Lab File: BG060881.D

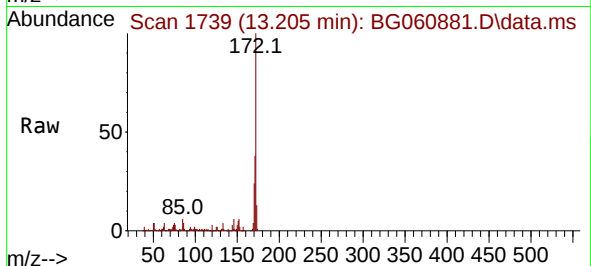
Acq: 12 Apr 2024 19:44

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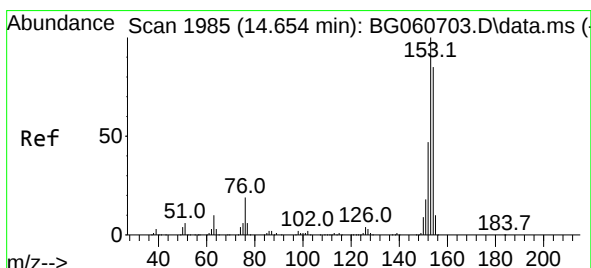
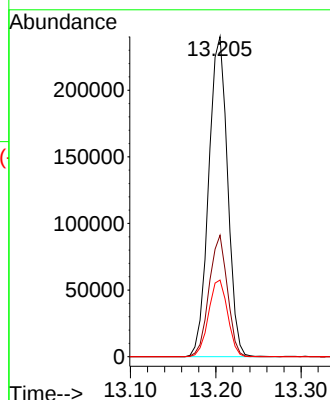
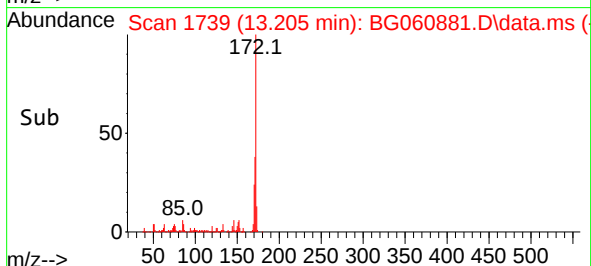
Tgt Ion:	172	Resp:	370410
Ion Ratio	Lower	Upper	
172	100		
171	38.0	28.7	43.1
170	24.0	19.4	29.0

Manual Integrations

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#52

Acenaphthene

Concen: 3.337 ng

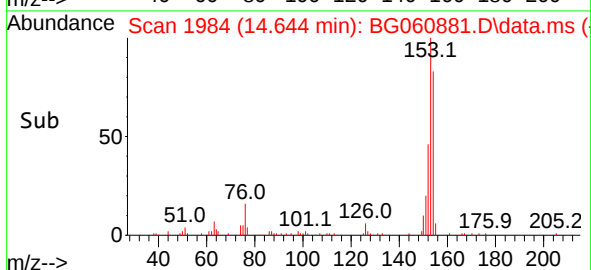
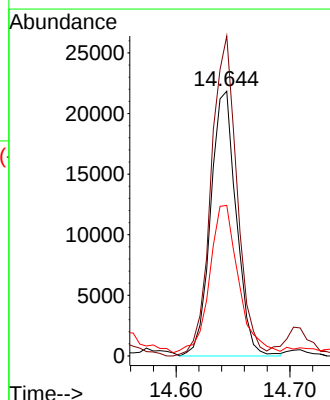
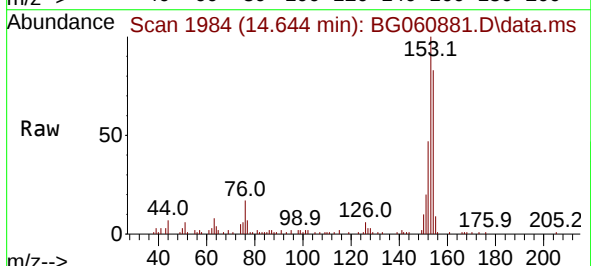
RT: 14.644 min Scan# 1984

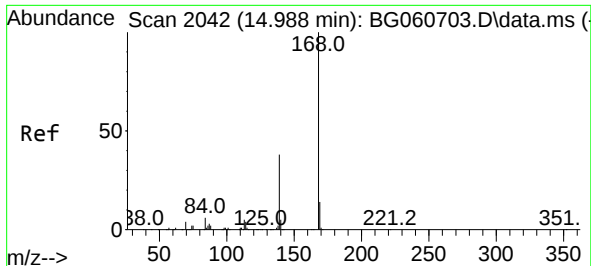
Delta R.T. -0.010 min

Lab File: BG060881.D

Acq: 12 Apr 2024 19:44

Tgt Ion:	154	Resp:	34207
Ion Ratio	Lower	Upper	
154	100		
153	120.9	93.9	140.9
152	56.9	44.1	66.1





#55
Dibenzenofuran
Concen: 2.816 ng
RT: 14.973 min Scan# 2040
Delta R.T. -0.015 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

TR-05-04112024

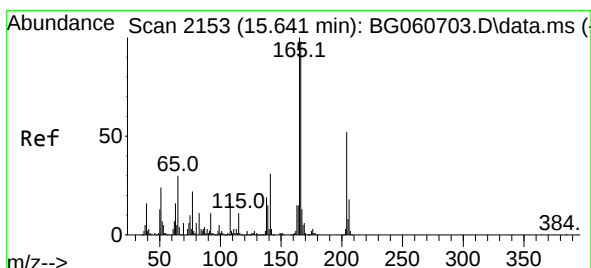
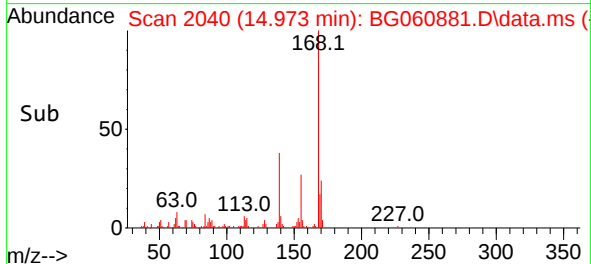
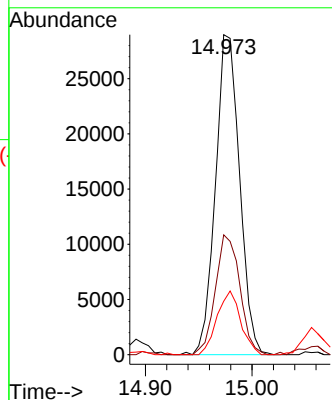
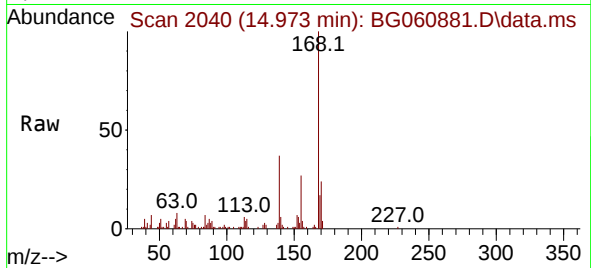
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Ion Ratio Lower Upper
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139 37.4 30.1 45.1
169 16.7 11.0 16.4

Manual Integrations

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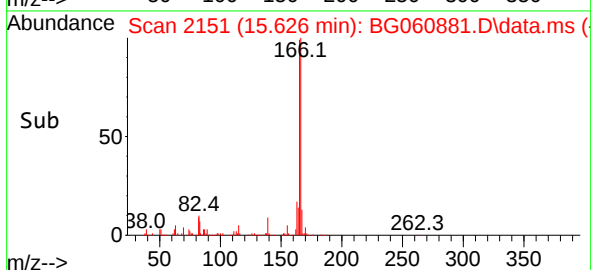
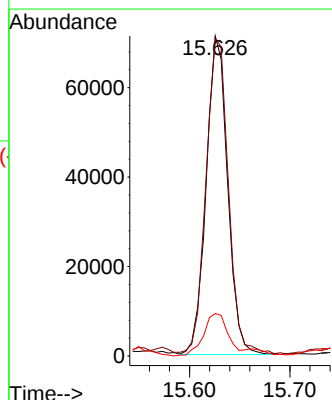
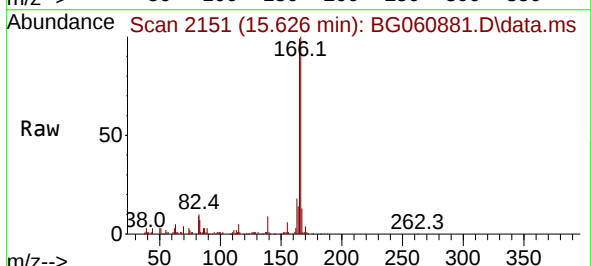
Reviewed By :Yogesh Patel 04/16/2024

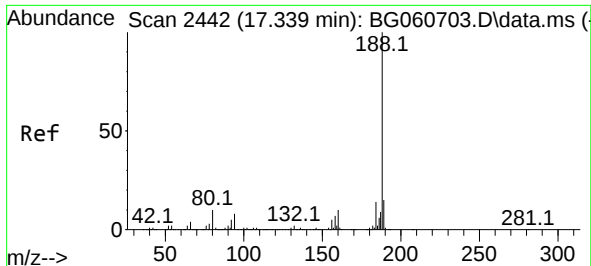
Supervised By :mohammad ahmed 04/17/2024



#58
Fluorene
Concen: 8.172 ng
RT: 15.626 min Scan# 2151
Delta R.T. -0.015 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Tgt Ion:166 Resp: 106058
Ion Ratio Lower Upper
166 100
165 99.2 81.8 122.8
167 13.2 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

TR-05-04112024

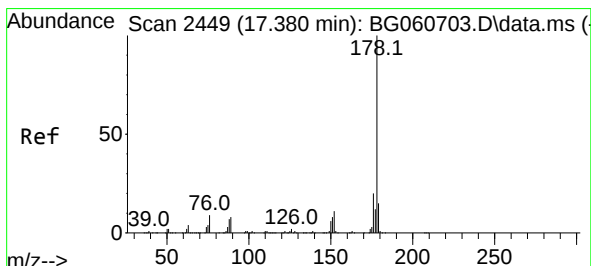
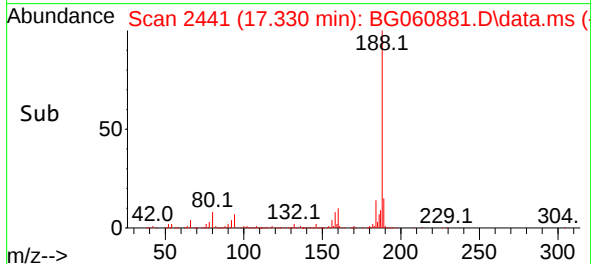
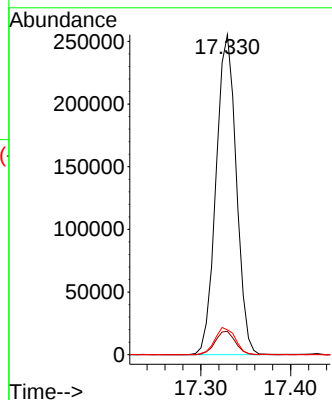
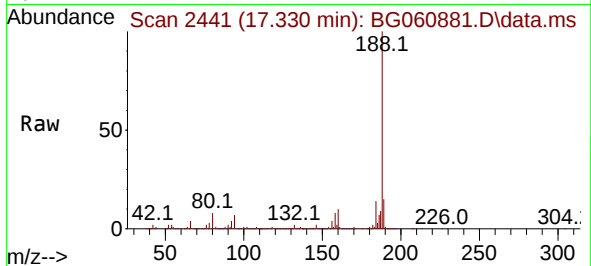
Tgt Ion:188 Resp: 399678
Ion Ratio Lower Upper
188 100
94 7.3 6.6 9.8
80 7.8 7.6 11.4

Manual Integrations

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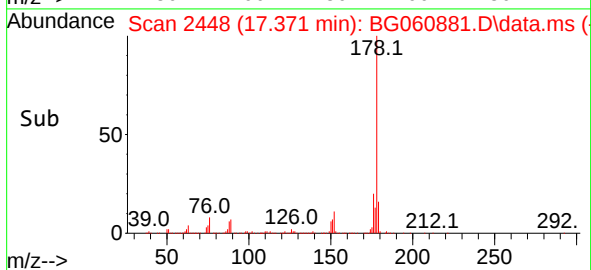
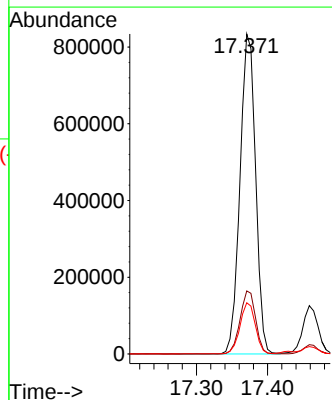
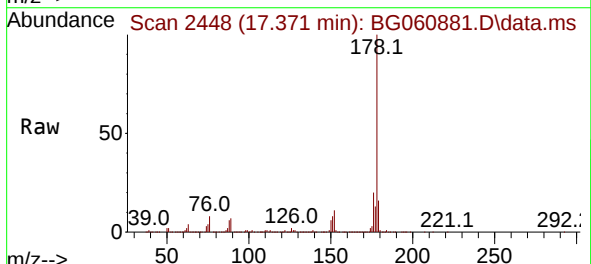
Reviewed By :Yogesh Patel 04/16/2024

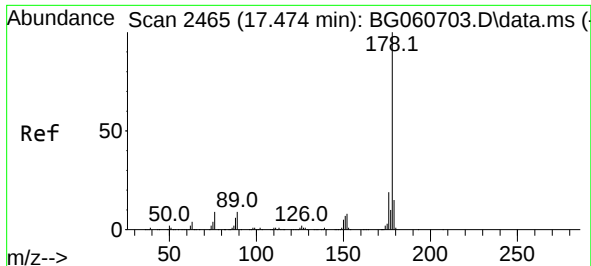
Supervised By :mohammad ahmed 04/17/2024



#71
Phenanthrene
Concen: 61.403 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

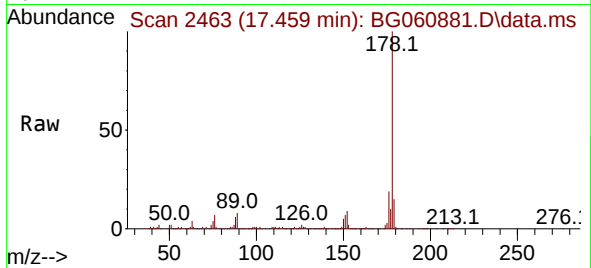
Tgt Ion:178 Resp: 1276344
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 16.0 12.2 18.4





#72
 Anthracene
 Concen: 8.591 ng
 RT: 17.459 min Scan# 2463
 Delta R.T. -0.015 min
 Lab File: BG060881.D
 Acq: 12 Apr 2024 19:44

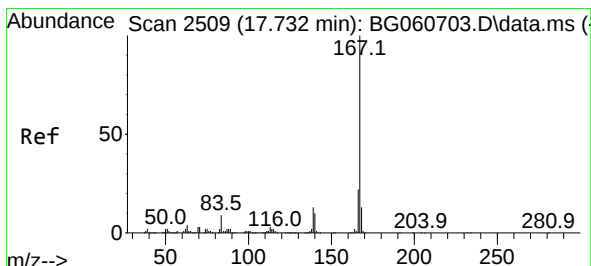
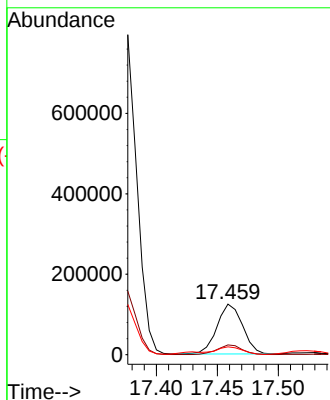
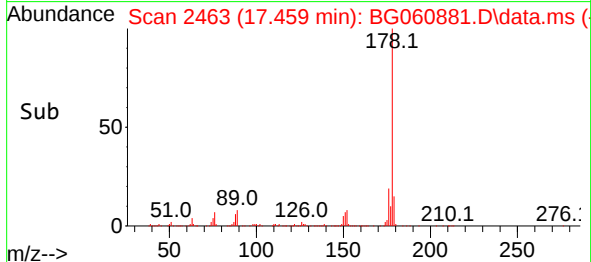
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-04112024



Tgt Ion:178 Resp: 181349
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.5 23.3
 179 15.4 12.2 18.2

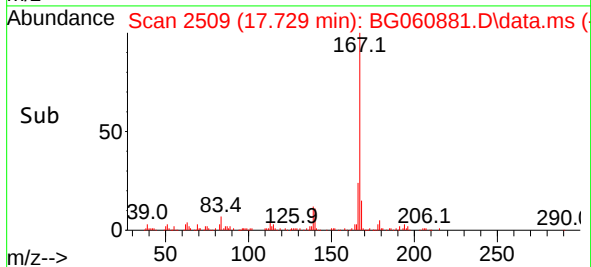
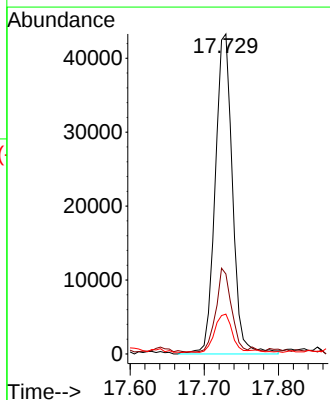
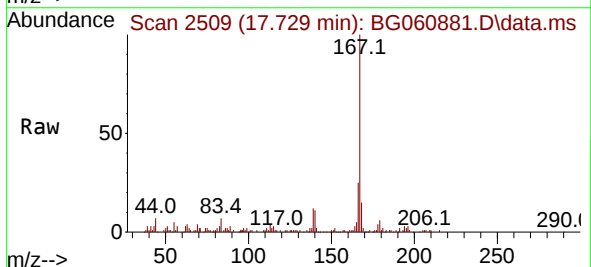
Manual Integrations
 APPROVED

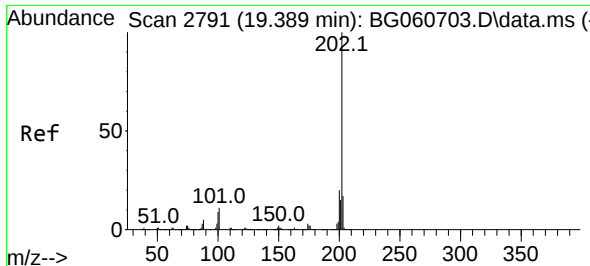
Reviewed By :Yogesh Patel 04/16/2024
 Supervised By :mohammad ahmed 04/17/2024



#73
 Carbazole
 Concen: 3.764 ng
 RT: 17.729 min Scan# 2509
 Delta R.T. -0.003 min
 Lab File: BG060881.D
 Acq: 12 Apr 2024 19:44

Tgt Ion:167 Resp: 70051
 Ion Ratio Lower Upper
 167 100
 166 25.0 18.0 27.0
 139 12.5 10.5 15.7





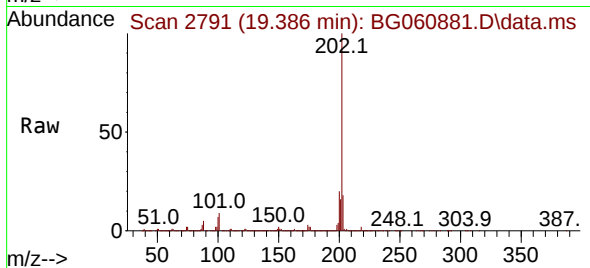
#75
Fluoranthene
Concen: 71.170 ng
RT: 19.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

TR-05-04112024



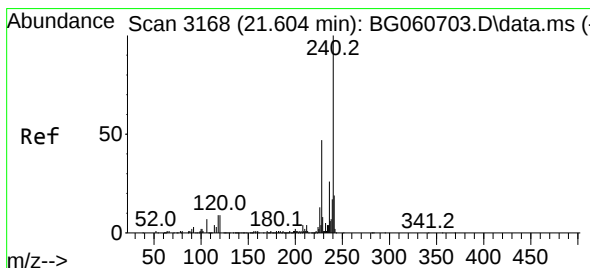
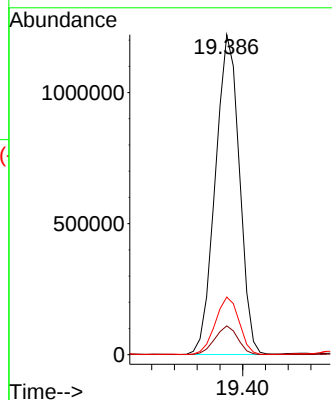
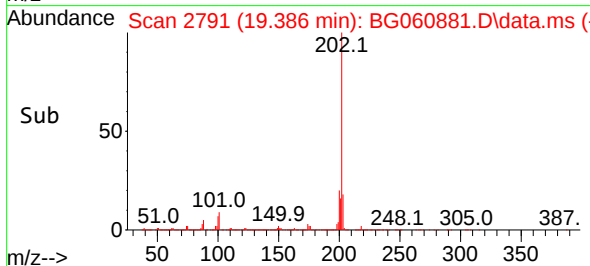
Tgt Ion:202 Resp: 179513
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.8
203 18.0 0.0 37.4

Manual Integrations

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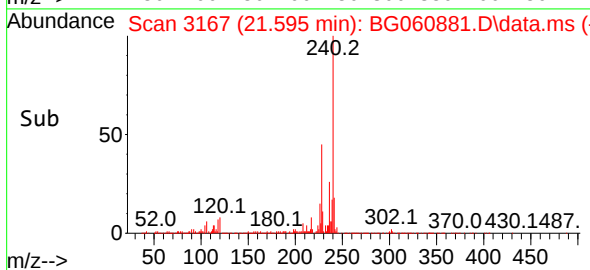
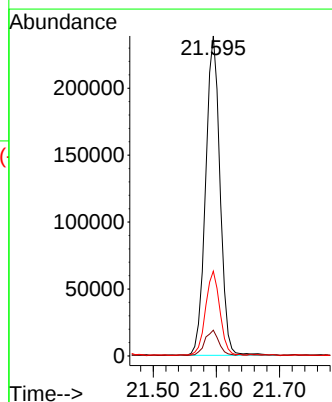
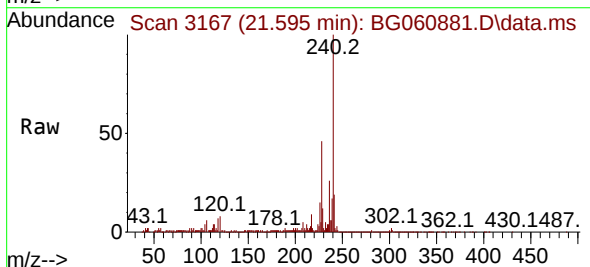
Reviewed By :Yogesh Patel 04/16/2024

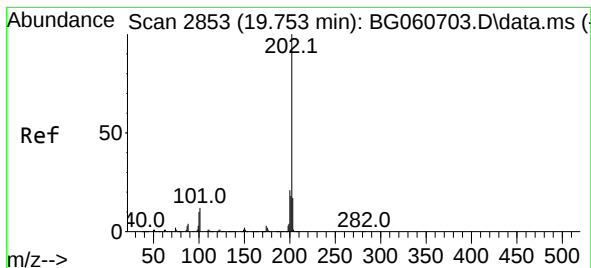
Supervised By :mohammad ahmed 04/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3167
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Tgt Ion:240 Resp: 377887
Ion Ratio Lower Upper
240 100
120 8.0 7.1 10.7
236 26.5 20.7 31.1





#78

Pyrene

Concen: 61.957 ng

RT: 19.750 min Scan# 2853

Delta R.T. -0.003 min

Lab File: BG060881.D

Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

TR-05-04112024

Tgt Ion:202 Resp: 1637429

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

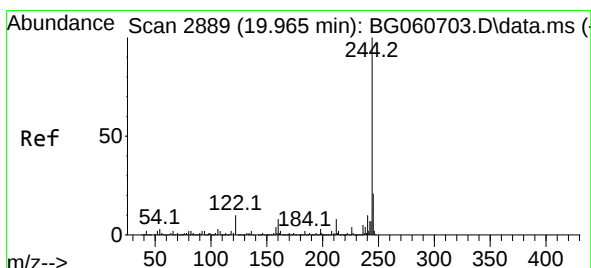
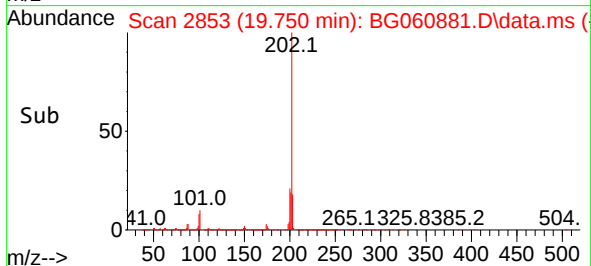
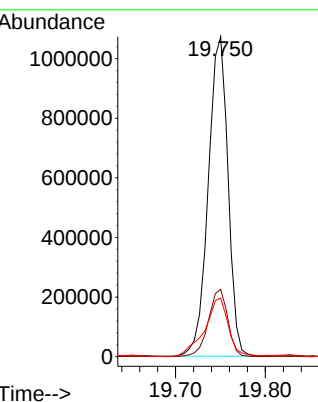
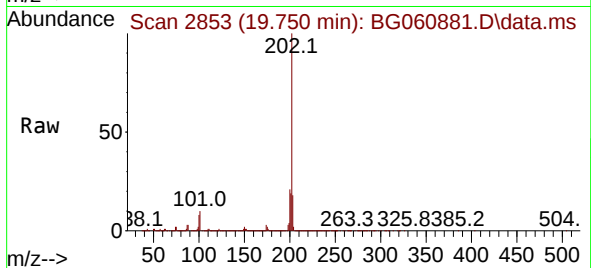
203 18.3 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#79

Terphenyl-d14

Concen: 30.247 ng

RT: 19.950 min Scan# 2887

Delta R.T. -0.015 min

Lab File: BG060881.D

Acq: 12 Apr 2024 19:44

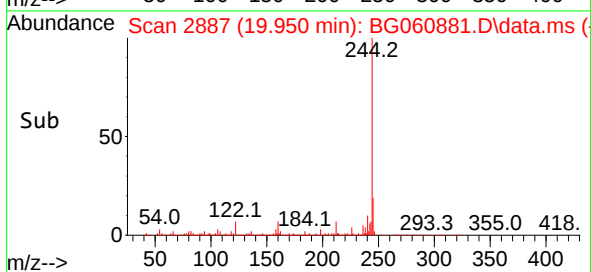
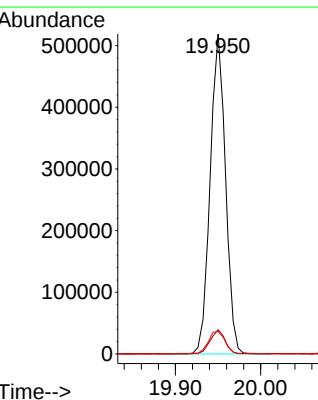
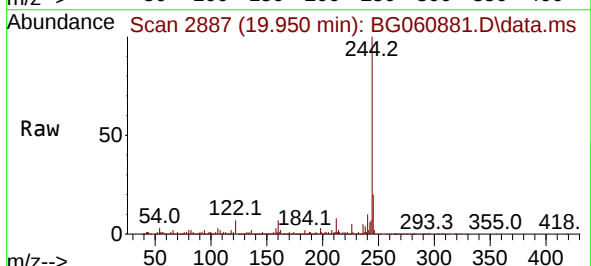
Tgt Ion:244 Resp: 649116

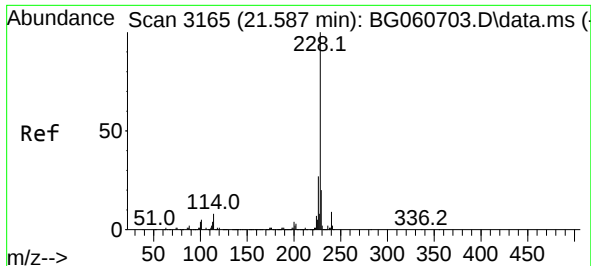
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

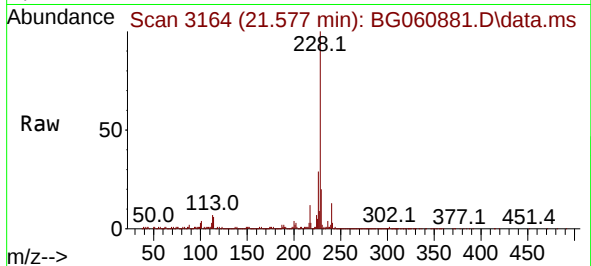
122 7.0 7.8 11.8#





#81
Benzo(a)anthracene
Concen: 29.321 ng
RT: 21.577 min Scan# 3164
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

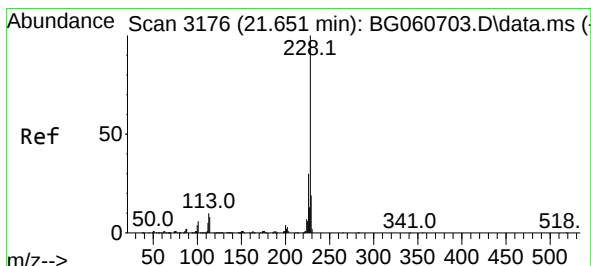
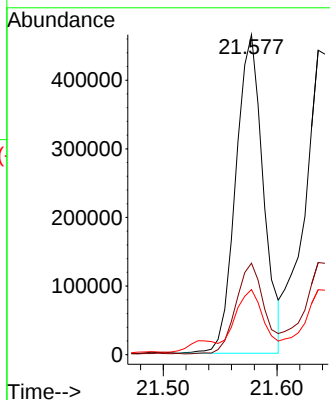
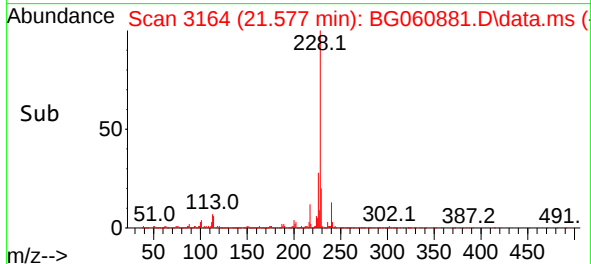
Instrument : BNA_G
ClientSampleId : TR-05-04112024



Tgt Ion:228 Resp: 78102
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 20.3 15.8 23.8

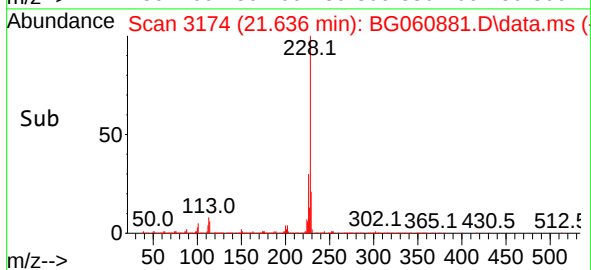
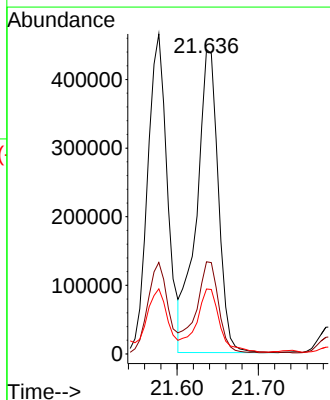
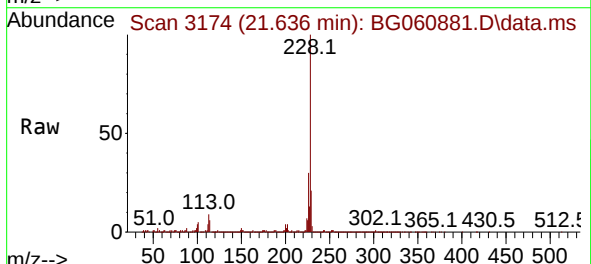
Manual Integrations
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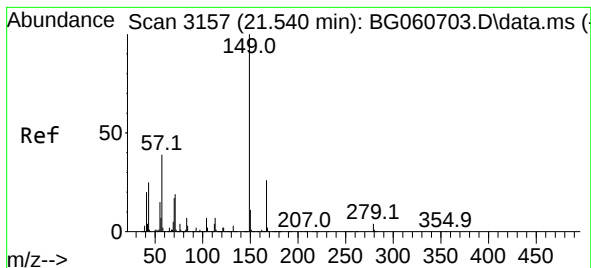
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024



#83
Chrysene
Concen: 32.165 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

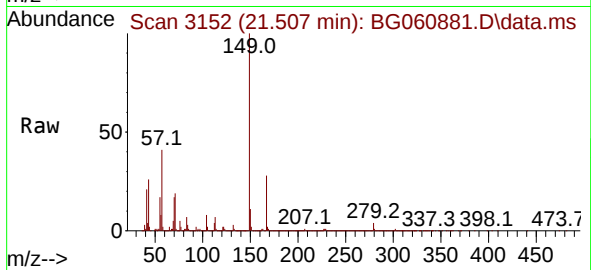
Tgt Ion:228 Resp: 825806
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 21.4 15.5 23.3





#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.429 ng
 RT: 21.507 min Scan# 3157
 Delta R.T. -0.033 min
 Lab File: BG060881.D
 Acq: 12 Apr 2024 19:44

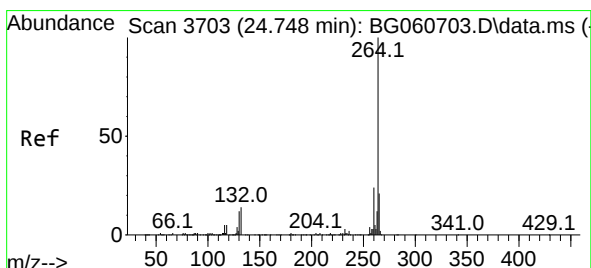
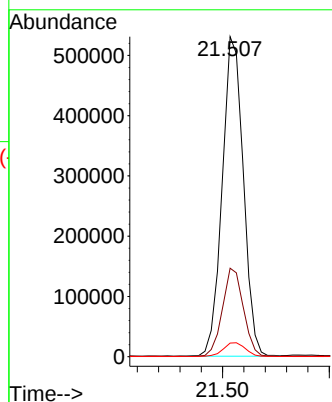
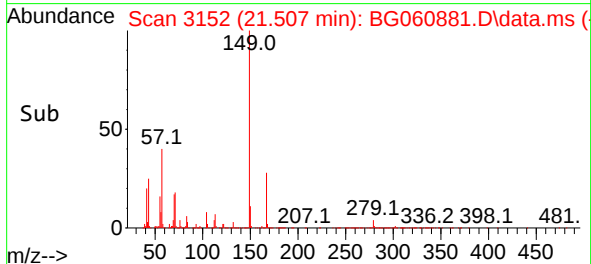
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-04112024



Tgt Ion:149 Resp: 72880
 Ion Ratio Lower Upper
 149 100
 167 27.6 20.6 30.8
 279 4.3 3.0 4.4

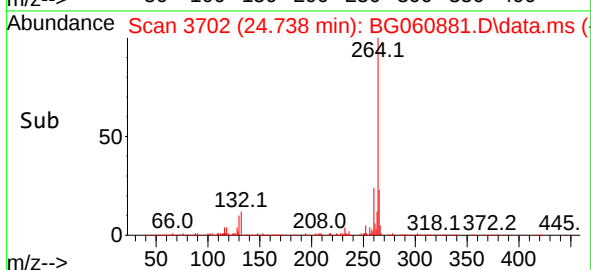
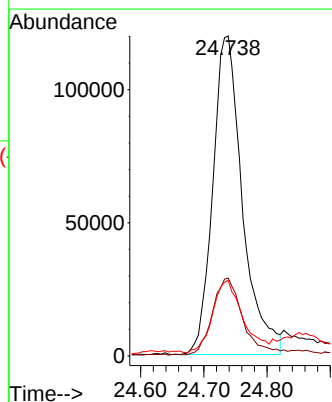
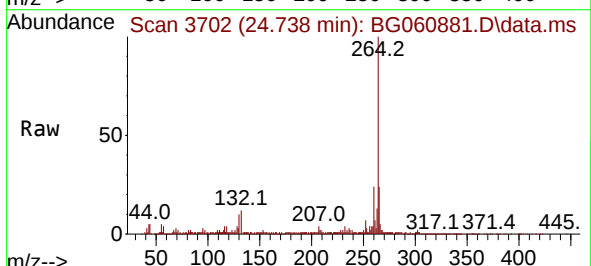
Manual Integrations
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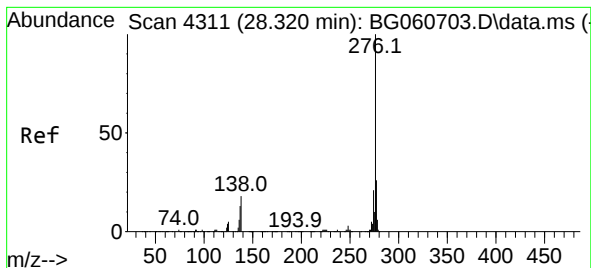
Reviewed By :Yogesh Patel 04/16/2024
 Supervised By :mohammad ahmed 04/17/2024



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.738 min Scan# 3702
 Delta R.T. -0.009 min
 Lab File: BG060881.D
 Acq: 12 Apr 2024 19:44

Tgt Ion:264 Resp: 389197
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 23.6 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.595 ng m

RT: 28.299 min Scan# 4311

Delta R.T. -0.021 min

Lab File: BG060881.D

Acq: 12 Apr 2024 19:44

Instrument :

BNA_G

ClientSampleId :

TR-05-04112024

Tgt Ion: 276 Resp: 29038

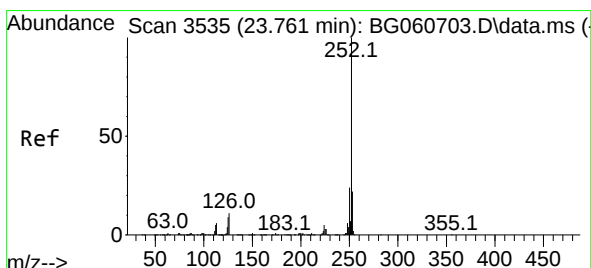
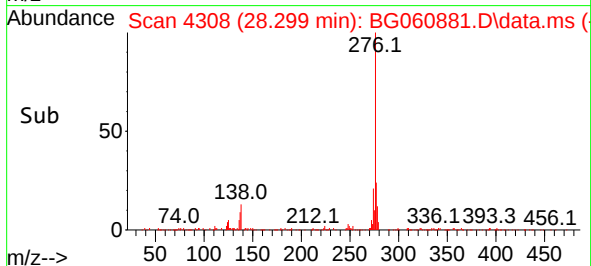
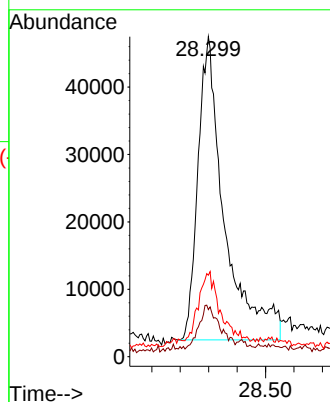
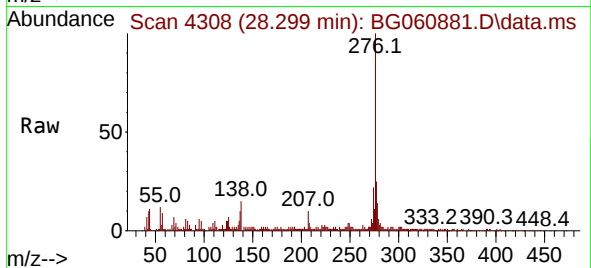
Ion	Ratio	Lower	Upper
276	100		
138	11.6	12.4	18.6
277	15.8	20.2	30.2

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 04/16/2024

Supervised By : mohammad ahmed 04/17/2024



#88

Benzo(b)fluoranthene

Concen: 36.428 ng

RT: 23.751 min Scan# 3534

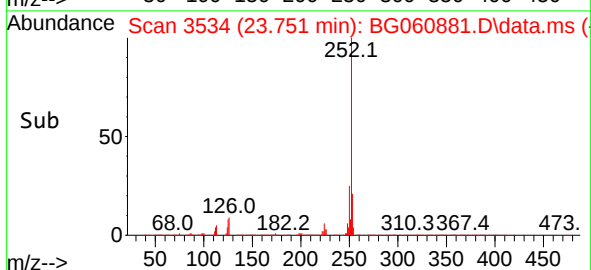
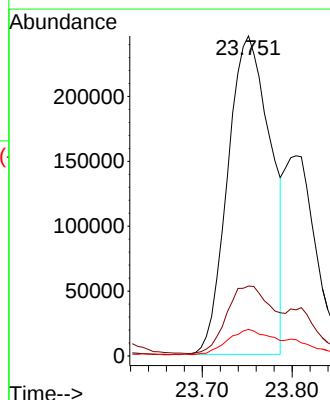
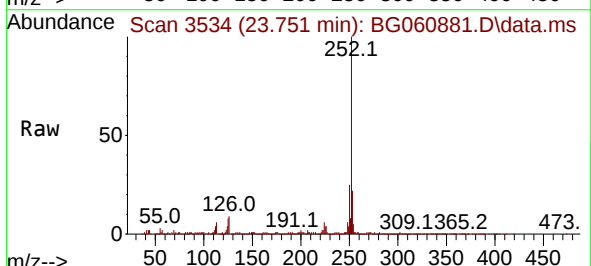
Delta R.T. -0.009 min

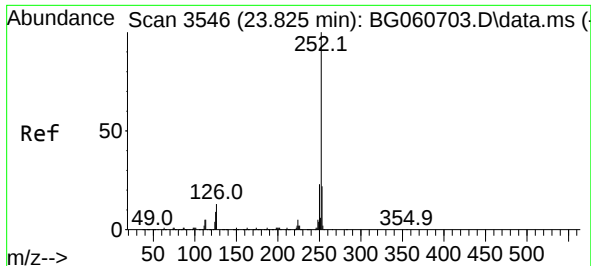
Lab File: BG060881.D

Acq: 12 Apr 2024 19:44

Tgt Ion: 252 Resp: 814505

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.3	7.1	10.7





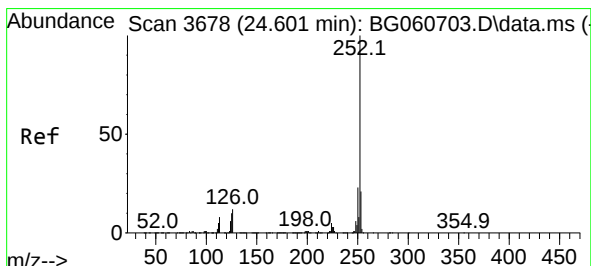
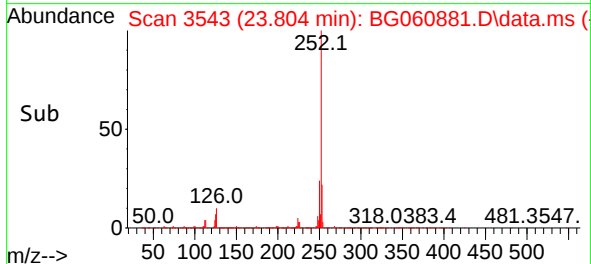
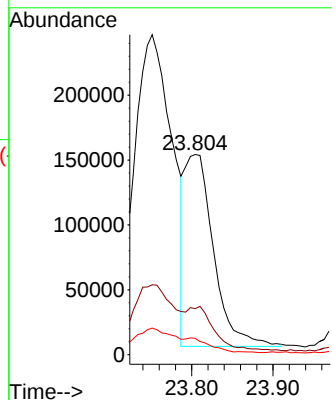
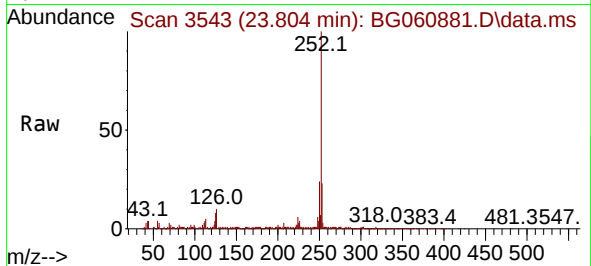
#89
Benzo(k)fluoranthene
Concen: 15.847 ng m
RT: 23.804 min Scan# 3546
Delta R.T. -0.021 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Tgt Ion:252 Resp: 362678
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 8.2 7.5 11.3

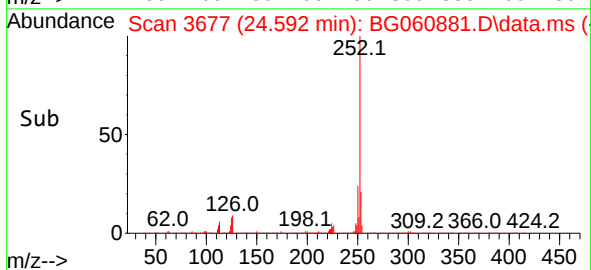
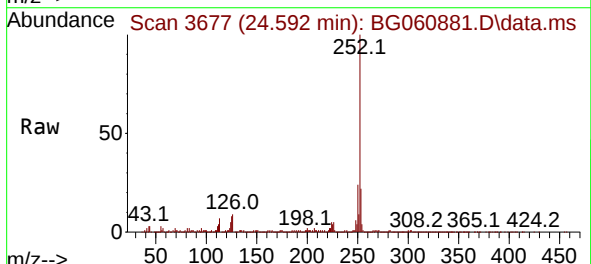
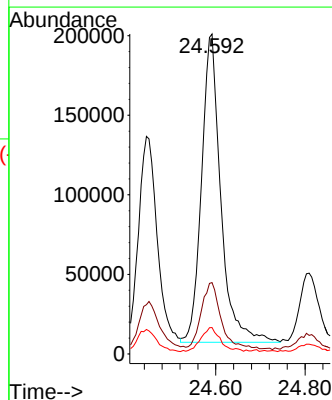
Manual Integrations
APPROVED

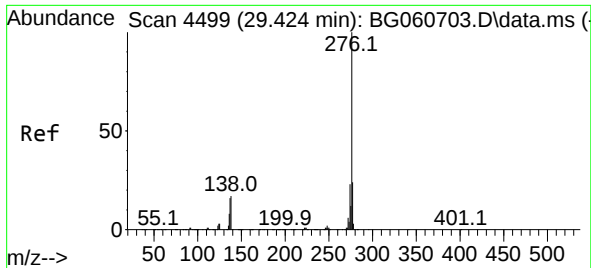
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024



#90
Benzo(a)pyrene
Concen: 26.688 ng m
RT: 24.592 min Scan# 3677
Delta R.T. -0.009 min
Lab File: BG060881.D
Acq: 12 Apr 2024 19:44

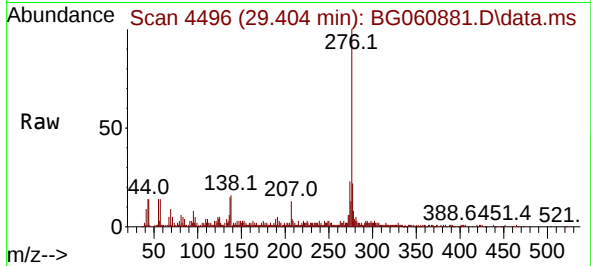
Tgt Ion:252 Resp: 579904
Ion Ratio Lower Upper
252 100
253 22.3 16.8 25.2
125 8.2 7.6 11.4





#92
 Benzo(g,h,i)perylene
 Concen: 11.320 ng m
 RT: 29.404 min Scan# 4496
 Delta R.T. -0.021 min
 Lab File: BG060881.D
 Acq: 12 Apr 2024 19:44

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-04112024



Tgt Ion:	276	Resp:	254410
Ion Ratio	Lower	Upper	
276	100		
277	22.4	18.9	28.3
138	15.7	14.0	21.0

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