

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060865.D
 Acq On : 11 Apr 2024 18:56
 Operator : MA/JU
 Sample : P2070-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Apr 12 01:37:15 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/17/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	63656	20.000	ng	-0.01
21) Naphthalene-d8	10.743	136	249671	20.000	ng	-0.01
39) Acenaphthene-d10	14.580	164	195893	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	450115	20.000	ng	-0.02
76) Chrysene-d12	21.589	240	395866	20.000	ng	-0.02
86) Perylene-d12	24.733	264	482864	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	356862	93.391	ng	0.00
7) Phenol-d6	7.112	99	491673	86.684	ng	0.00
23) Nitrobenzene-d5	9.104	82	324268	74.111	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	280143	125.980	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	719267	53.887	ng	-0.02
79) Terphenyl-d14	19.950	244	1225988	54.533	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.304	152	114034	6.456	ng	99
71) Phenanthrene	17.365	178	111593	4.767	ng	98
75) Fluoranthene	19.380	202	1013187	35.668	ng	98
78) Pyrene	19.744	202	1037782	37.484	ng	100
81) Benzo(a)anthracene	21.572	228	907662	32.528	ng	93
83) Chrysene	21.636	228	750074m	27.888	ng	
87) Indeno(1,2,3-cd)pyrene	28.293	276	950805	27.962	ng	98
88) Benzo(b)fluoranthene	23.745	252	1529101	55.122	ng	99
89) Benzo(k)fluoranthene	23.798	252	611952m	21.553	ng	
90) Benzo(a)pyrene	24.586	252	1242213	46.079	ng	96
91) Dibenzo(a,h)anthracene	28.340	278	229447m	8.005	ng	
92) Benzo(g,h,i)perylene	29.392	276	834760	29.937	ng	96

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

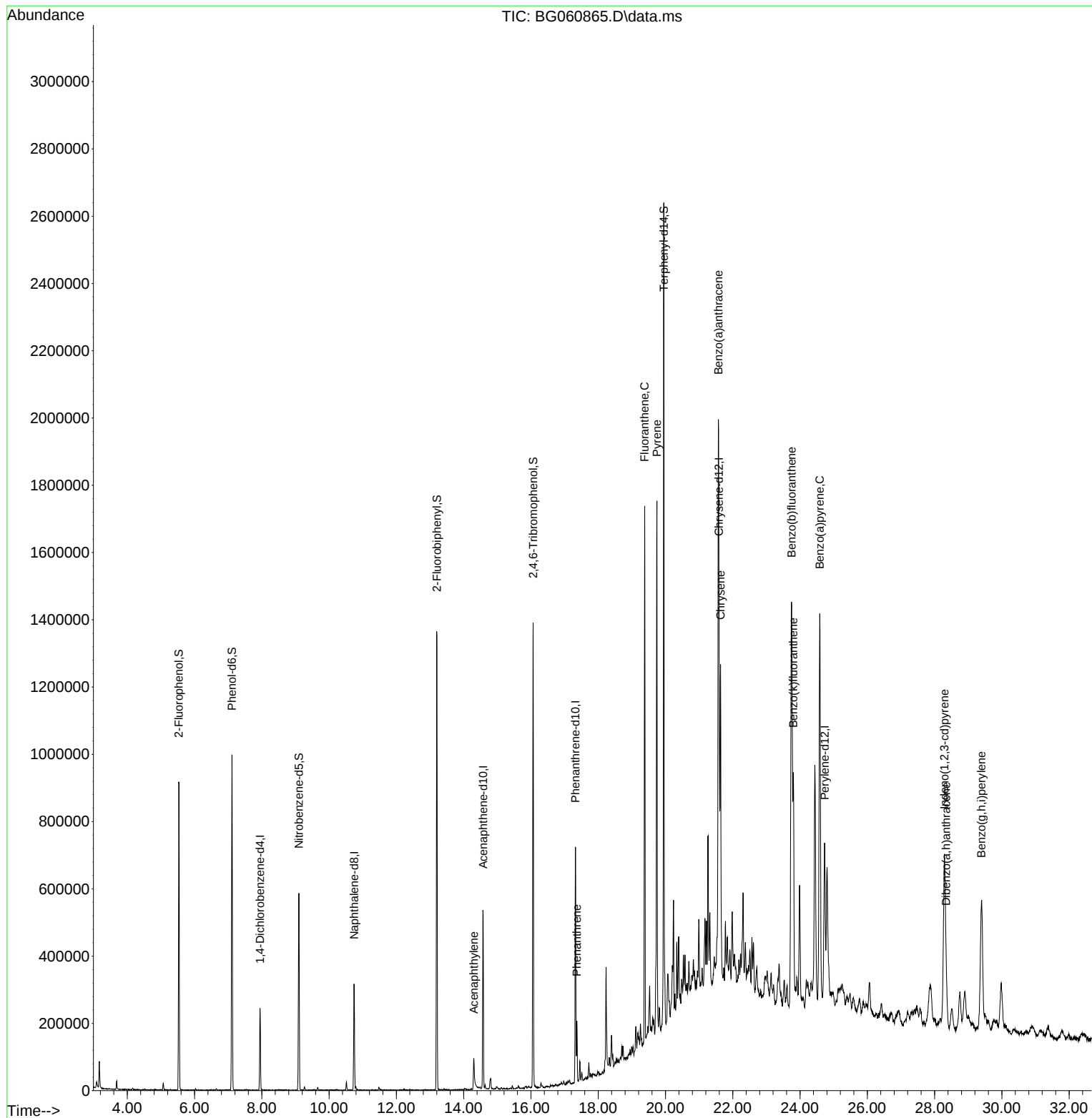
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

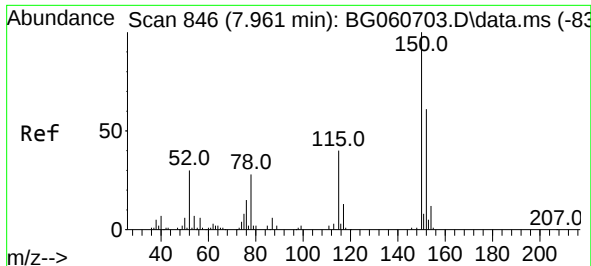
Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Time: Apr 12 01:37:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 846
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

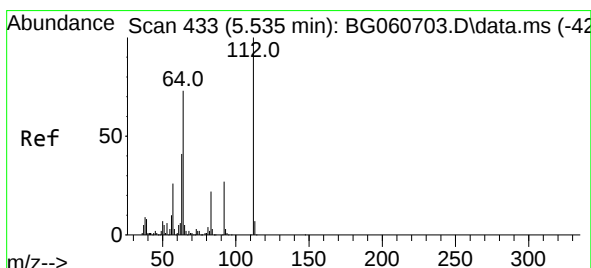
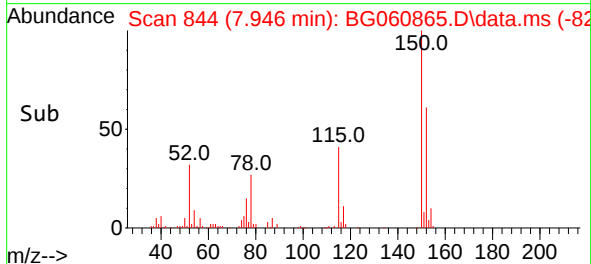
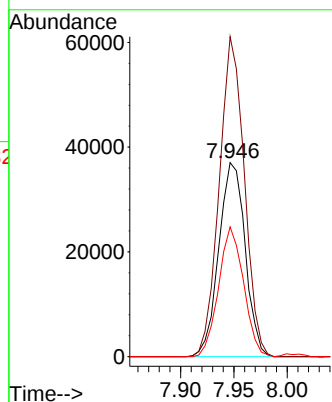
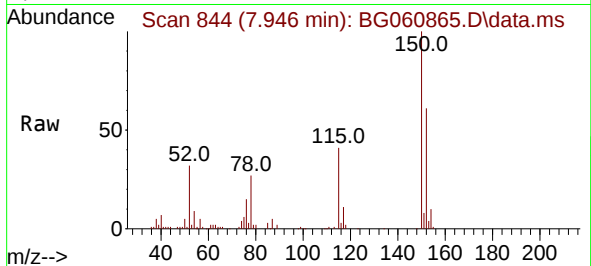
ClientSampleId :

TP-2

Tgt Ion:152 Resp: 63650
Ion Ratio Lower Upper
152 100
150 164.9 130.2 195.4
115 66.9 51.6 77.4

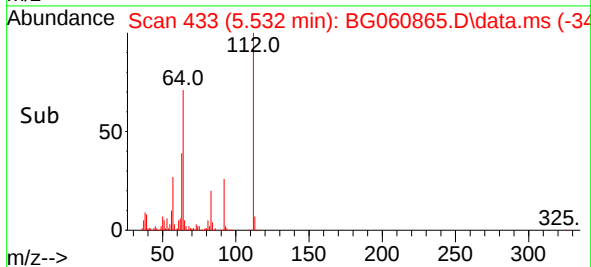
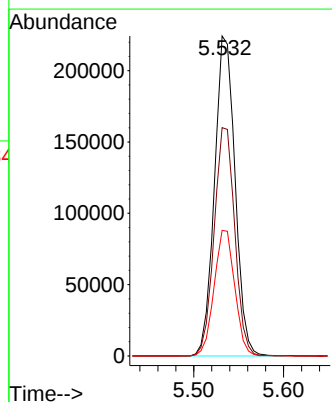
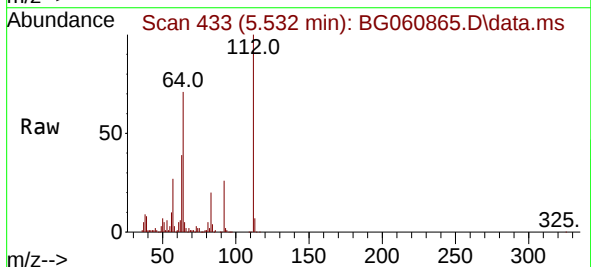
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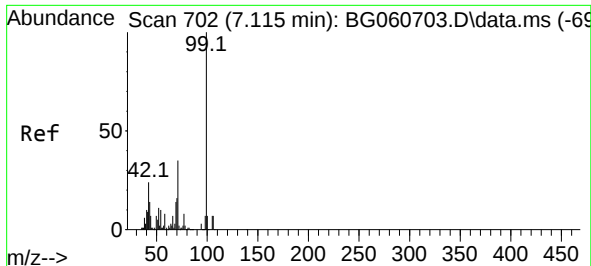
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#5
2-Fluorophenol
Concen: 93.391 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.003 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

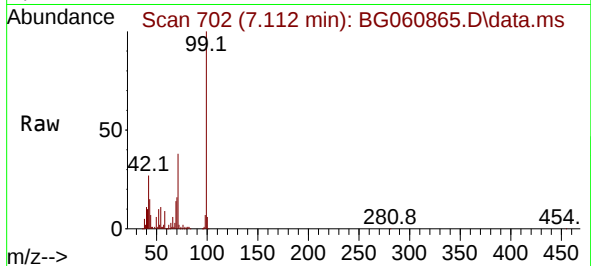
Tgt Ion:112 Resp: 356862
Ion Ratio Lower Upper
112 100
64 71.4 58.4 87.6
63 39.2 32.7 49.1





#7
Phenol-d6
Concen: 86.684 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

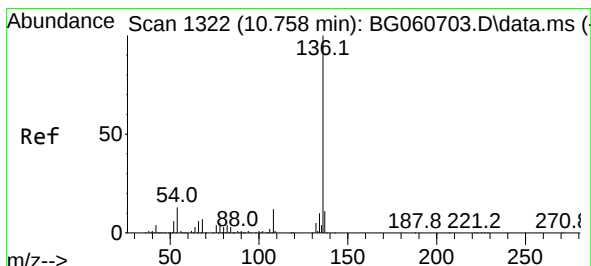
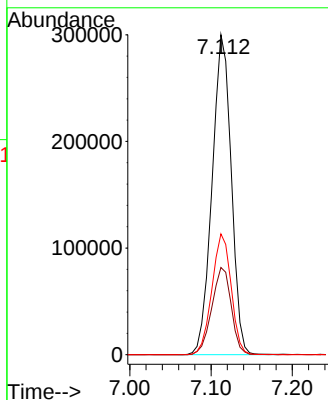
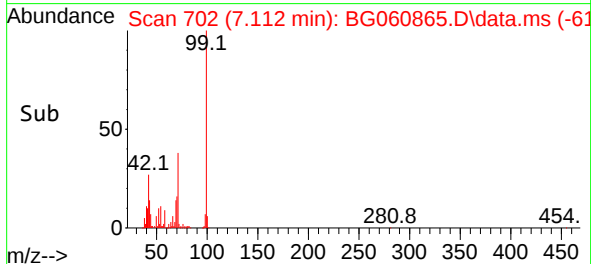
Instrument :
BNA_G
ClientSampleId :
TP-2



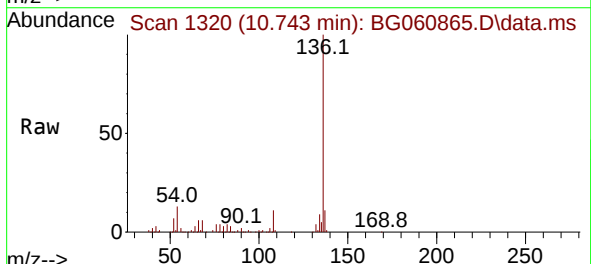
Tgt Ion: 99 Resp: 491671
Ion Ratio Lower Upper
99 100
42 27.2 19.4 29.2
71 37.7 28.2 42.2

Manual Integrations
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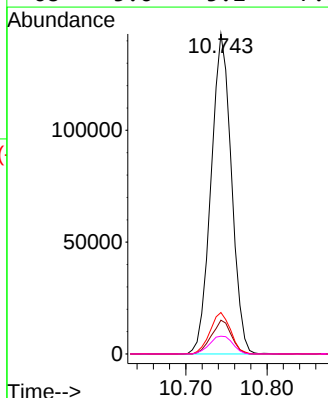
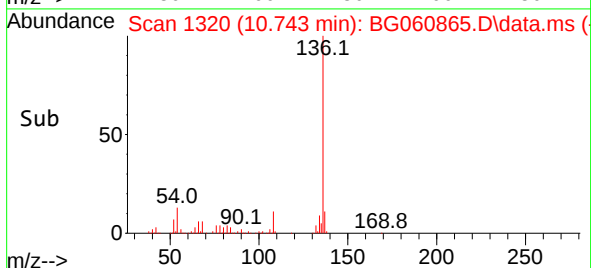
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 1320
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56



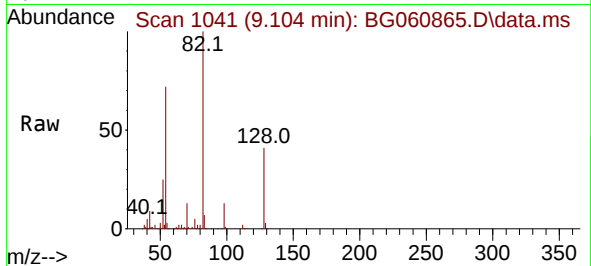
Tgt Ion:136 Resp: 249671
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 13.0 10.2 15.2
68 5.6 5.2 7.8





#23
Nitrobenzene-d5
Concen: 74.111 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

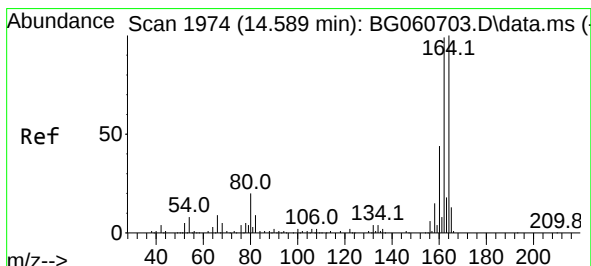
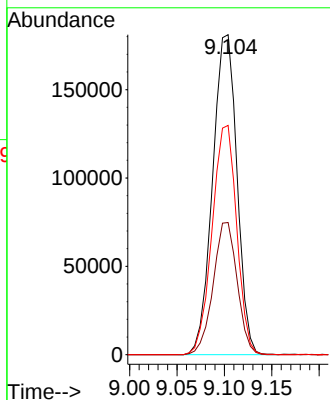
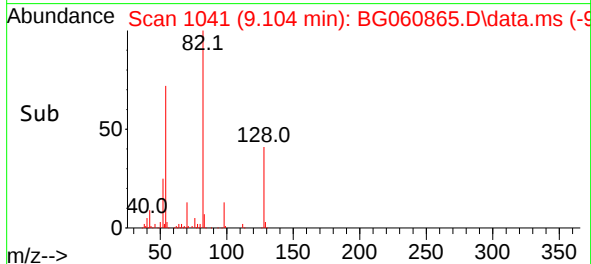
Instrument :
BNA_G
ClientSampleId :
TP-2



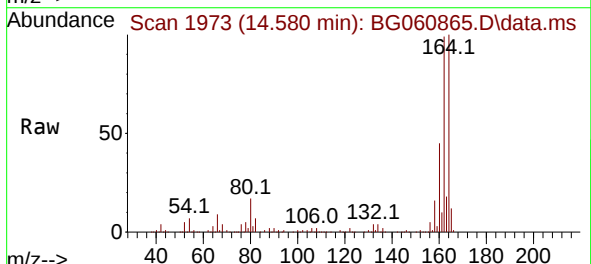
Tgt Ion: 82 Resp: 324268
Ion Ratio Lower Upper
82 100
128 41.3 31.2 46.8
54 71.6 53.2 79.8

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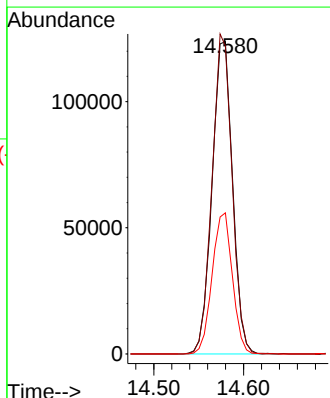
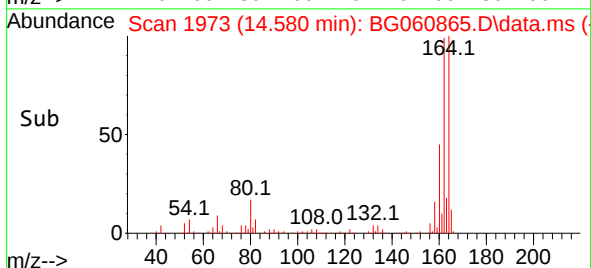
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56



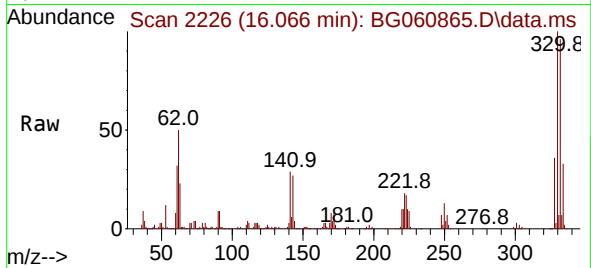
Tgt Ion:164 Resp: 195893
Ion Ratio Lower Upper
164 100
162 98.5 79.5 119.3
160 45.2 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 125.980 ng
RT: 16.066 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

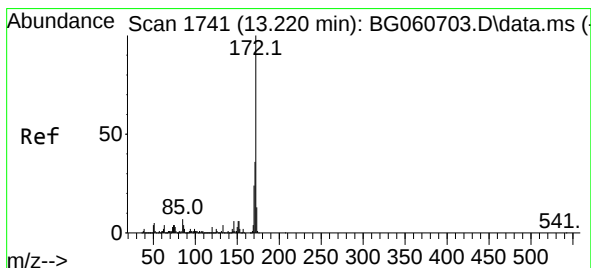
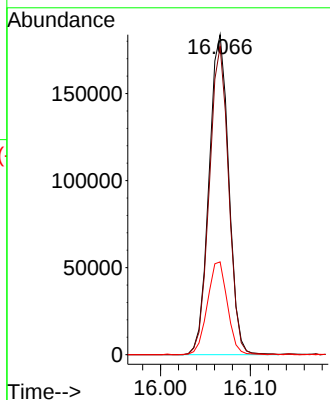
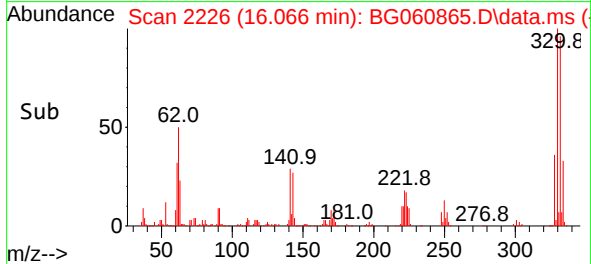
Instrument :
BNA_G
ClientSampleId :
TP-2



Tgt Ion:330 Resp: 28014
Ion Ratio Lower Upper
330 100
332 94.4 78.2 117.4
141 29.5 27.0 40.6

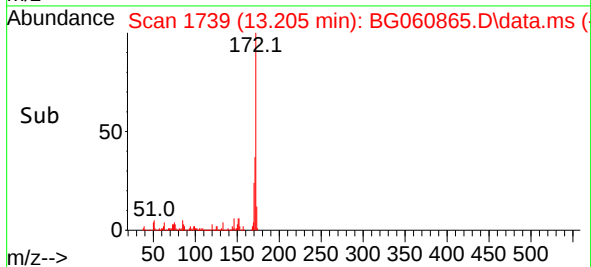
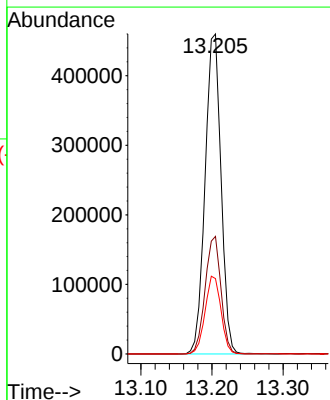
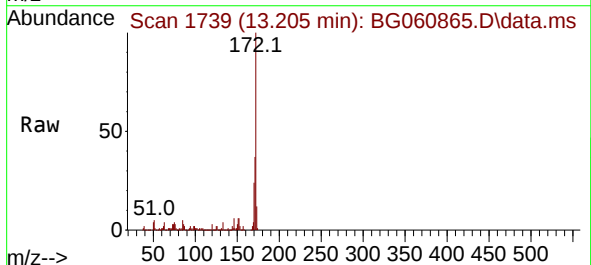
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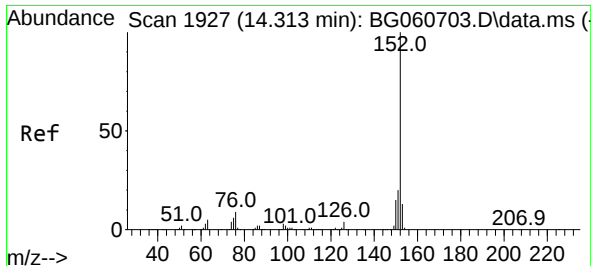
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#45
2-Fluorobiphenyl
Concen: 53.887 ng
RT: 13.205 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:172 Resp: 719267
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 23.6 19.4 29.0





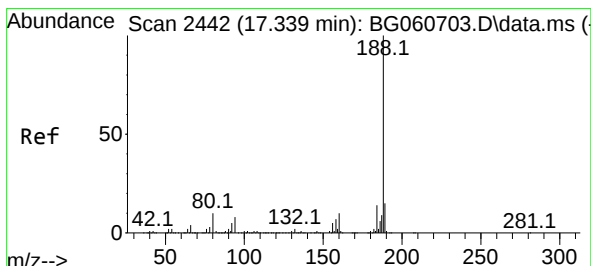
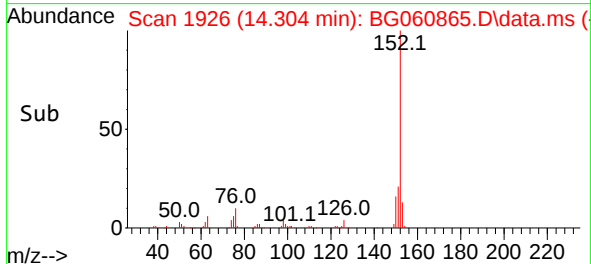
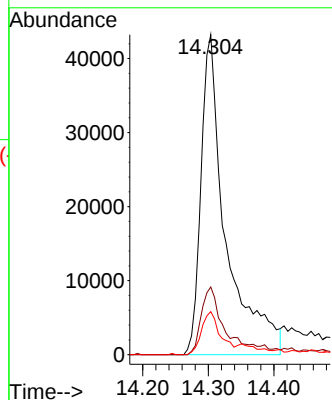
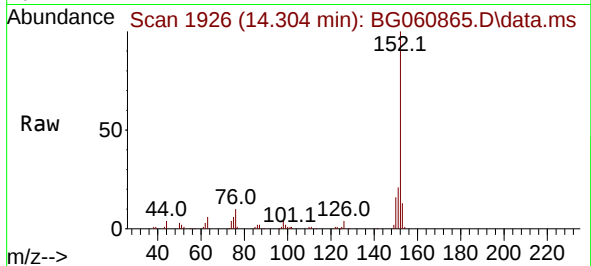
#49
Acenaphthylene
Concen: 6.456 ng
RT: 14.304 min Scan# 1927
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:152 Resp: 114034
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6
153 13.5 10.5 15.7

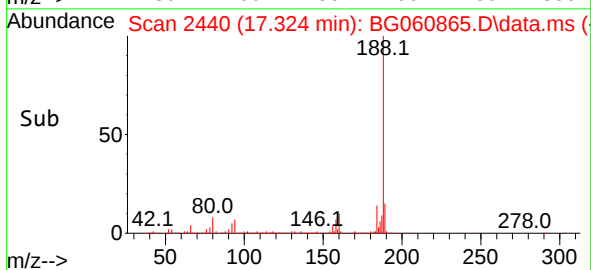
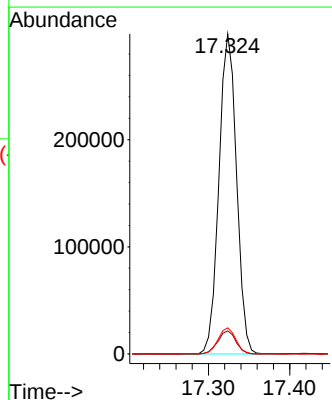
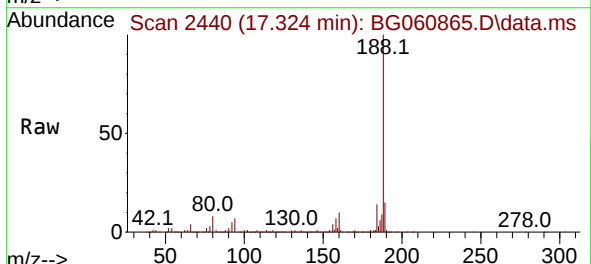
Manual Integrations
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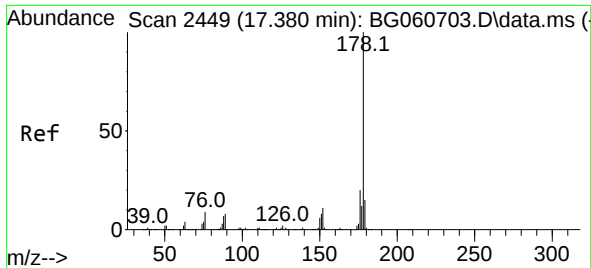
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2440
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:188 Resp: 450115
Ion Ratio Lower Upper
188 100
94 7.2 6.6 9.8
80 8.1 7.6 11.4





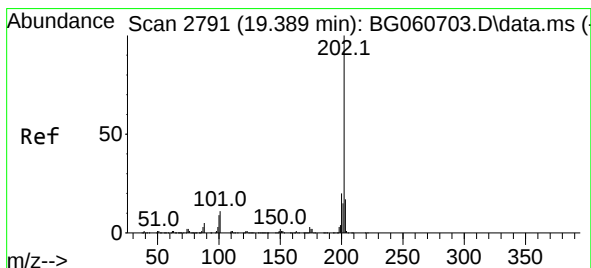
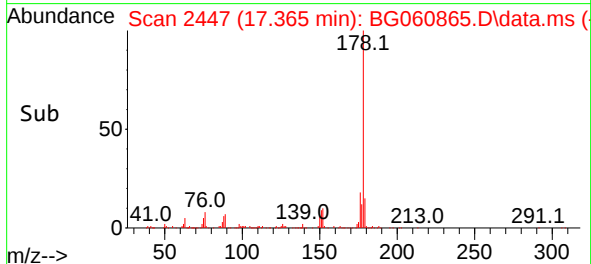
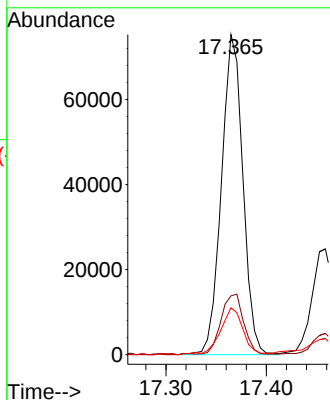
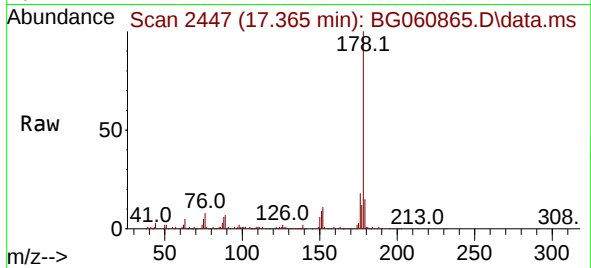
#71
Phenanthrene
Concen: 4.767 ng
RT: 17.365 min Scan# 2449
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:178 Resp: 11159
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 14.7 12.2 18.4

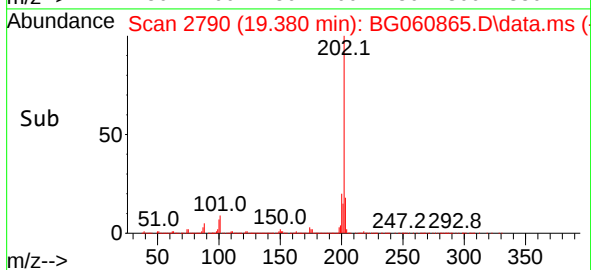
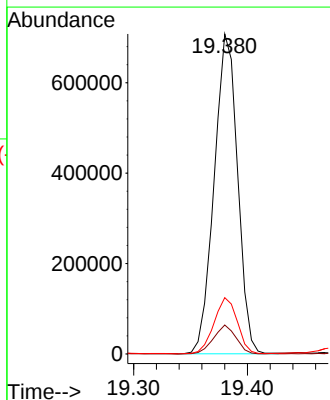
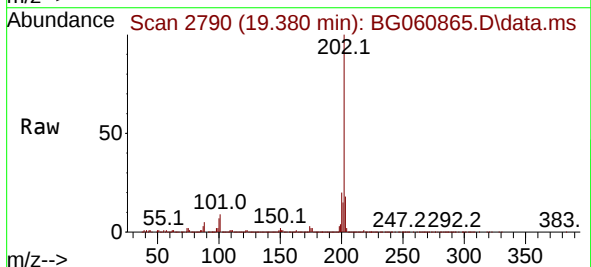
Manual Integrations
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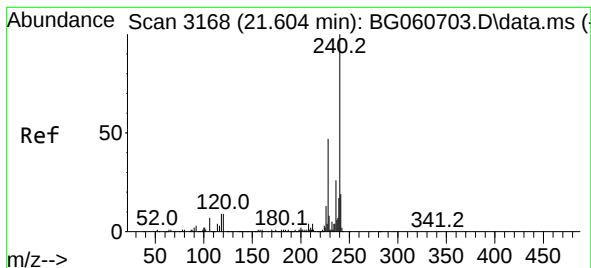
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#75
Fluoranthene
Concen: 35.668 ng
RT: 19.380 min Scan# 2790
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:202 Resp: 1013187
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.8
203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.589 min Scan# 3166

Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion:240 Resp: 395860

Ion Ratio Lower Upper

240 100

120 8.0 7.1 10.7

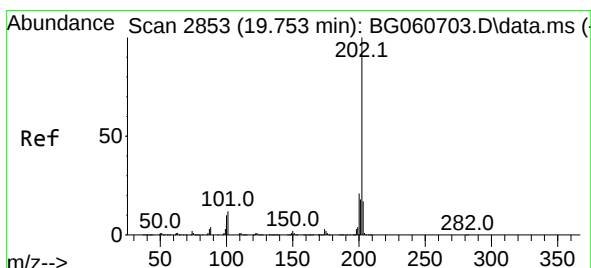
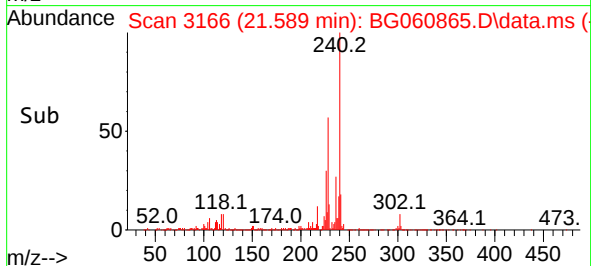
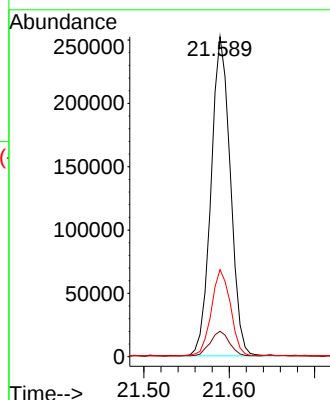
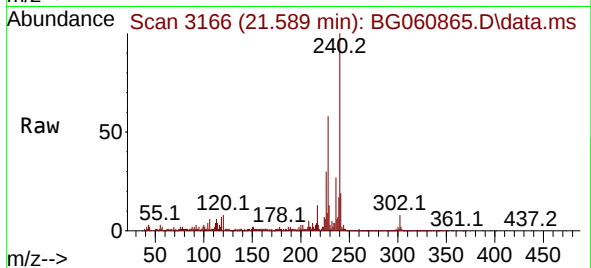
236 27.2 20.7 31.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#78

Pyrene

Concen: 37.484 ng

RT: 19.744 min Scan# 2852

Delta R.T. -0.009 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

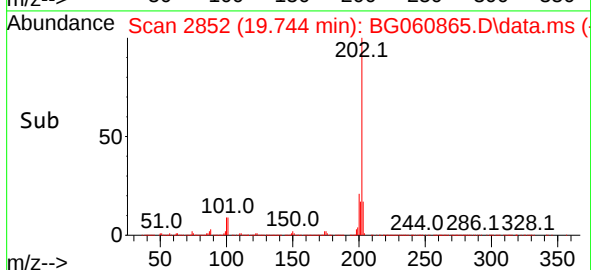
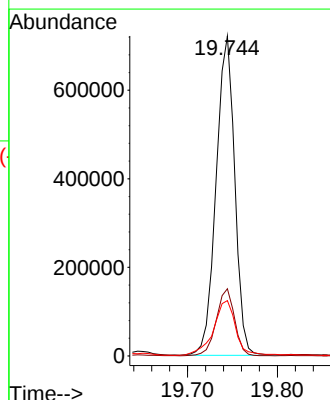
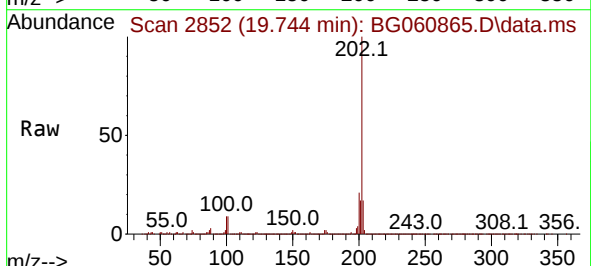
Tgt Ion:202 Resp: 1037782

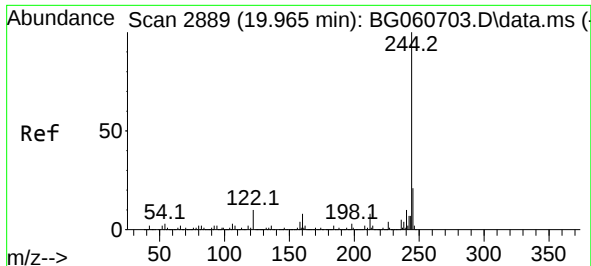
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.3 14.0 21.0





#79
 Terphenyl-d14
 Concen: 54.533 ng
 RT: 19.950 min Scan# 21
 Delta R.T. -0.015 min
 Lab File: BG060865.D
 Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

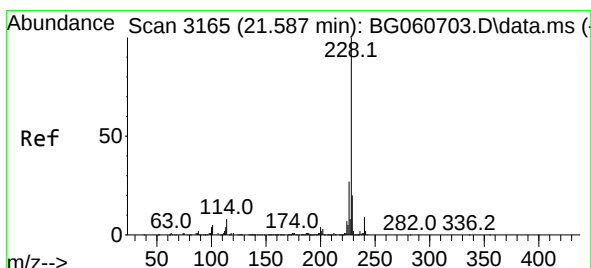
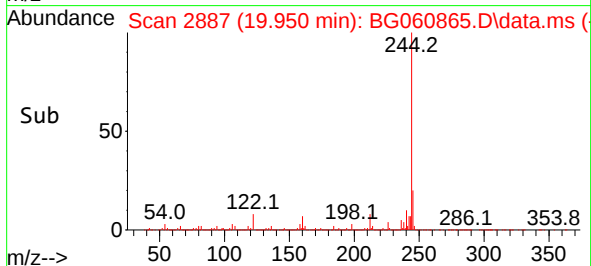
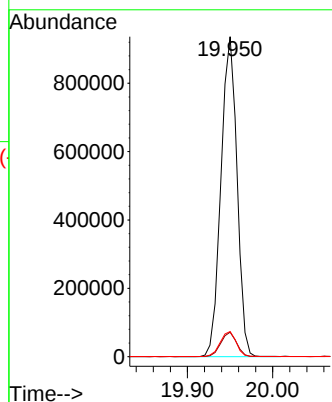
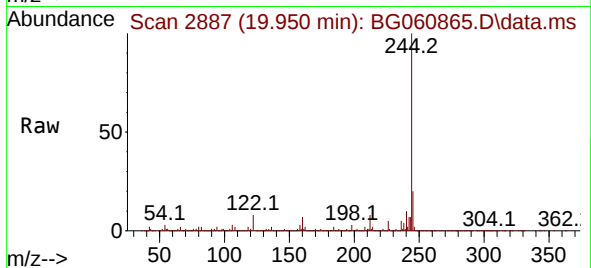
TP-2

Tgt Ion:244 Resp: 122598
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 7.8 7.8 11.8

Manual Integrations

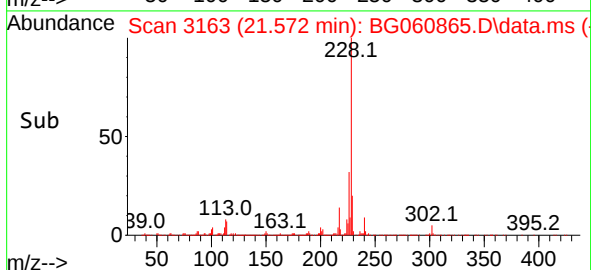
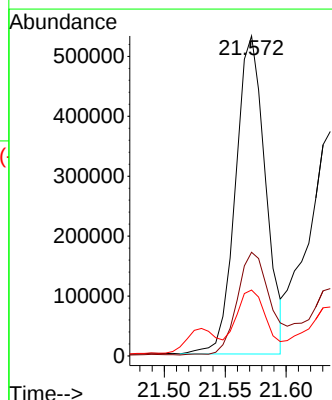
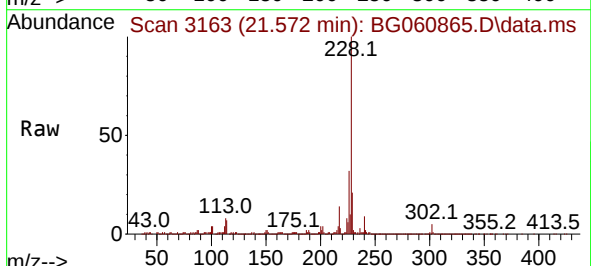
APPROVED

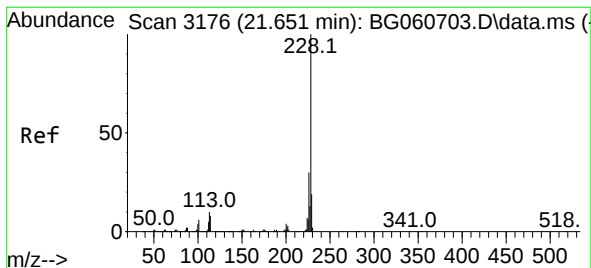
Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/17/2024



#81
 Benzo(a)anthracene
 Concen: 32.528 ng
 RT: 21.572 min Scan# 3163
 Delta R.T. -0.015 min
 Lab File: BG060865.D
 Acq: 11 Apr 2024 18:56

Tgt Ion:228 Resp: 907662
 Ion Ratio Lower Upper
 228 100
 226 32.4 21.7 32.5
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 27.888 ng m

RT: 21.636 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

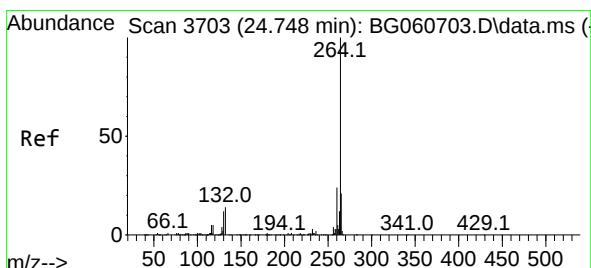
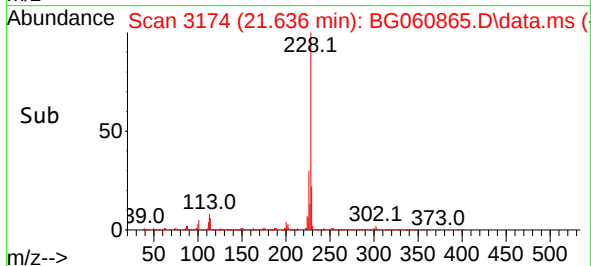
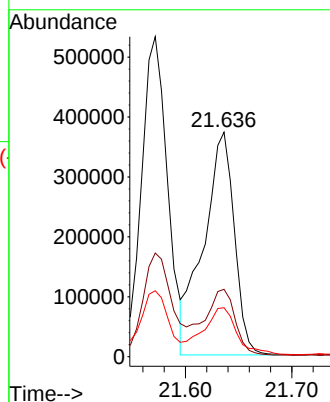
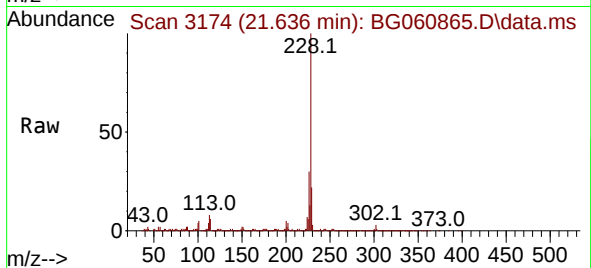
Tgt Ion:228	Resp: 750074
Ion Ratio	Lower Upper
228 100	
226 30.0	24.2 36.4
229 21.8	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#86

Perylene-d12

Concen: 20.000 ng

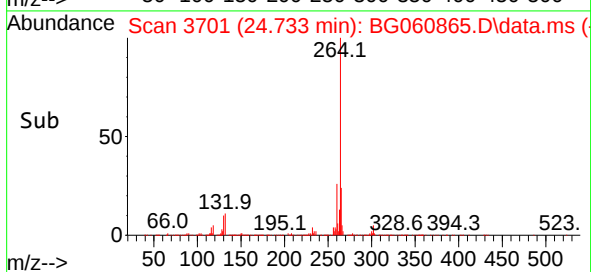
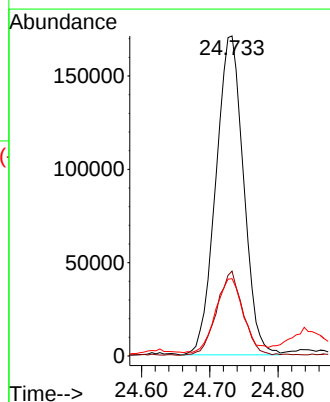
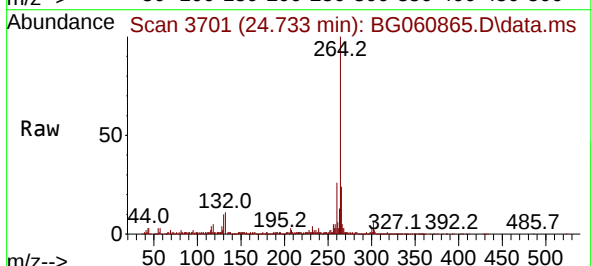
RT: 24.733 min Scan# 3701

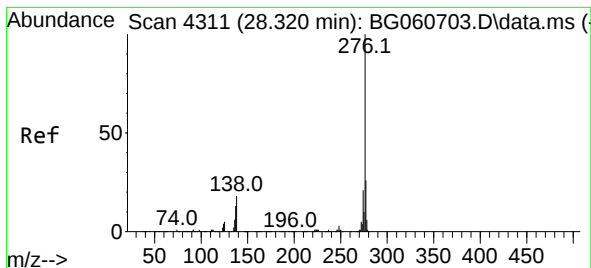
Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Tgt Ion:264	Resp: 482864
Ion Ratio	Lower Upper
264 100	
260 26.5	19.5 29.3
265 24.2	16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 27.962 ng

RT: 28.293 min Scan# 4311

Delta R.T. -0.027 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

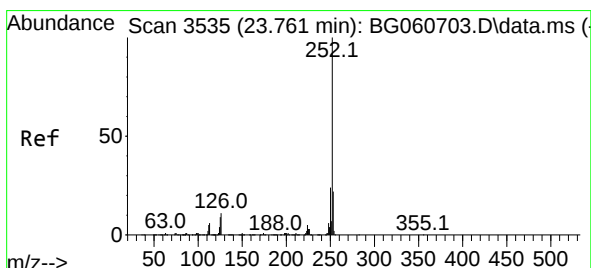
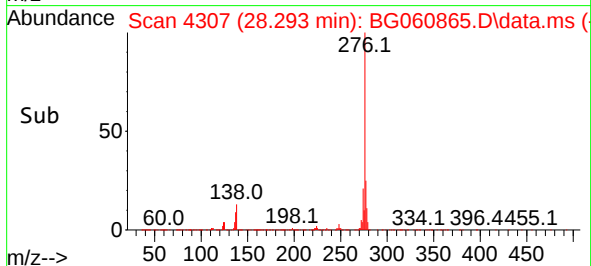
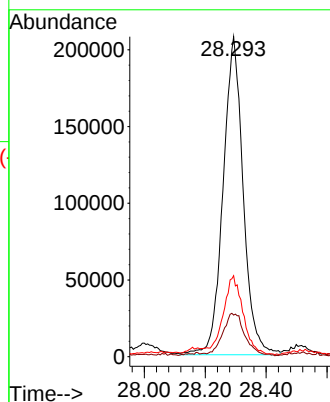
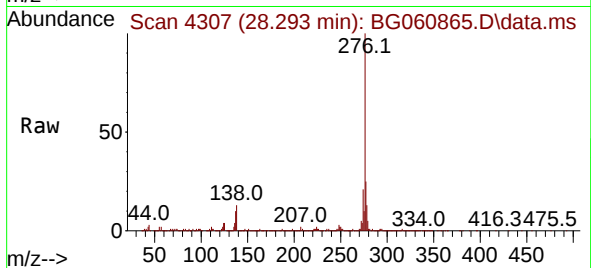
Tgt Ion:	276	Resp:	95080
Ion Ratio	Lower	Upper	
276	100		
138	14.4	12.4	18.6
277	24.4	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#88

Benzo(b)fluoranthene

Concen: 55.122 ng

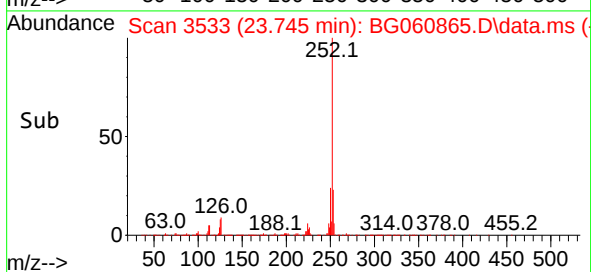
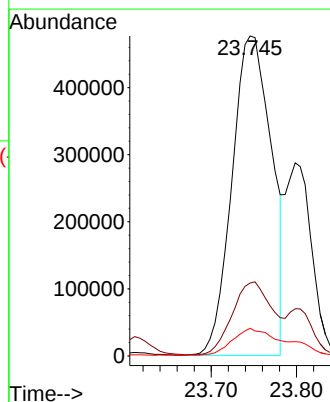
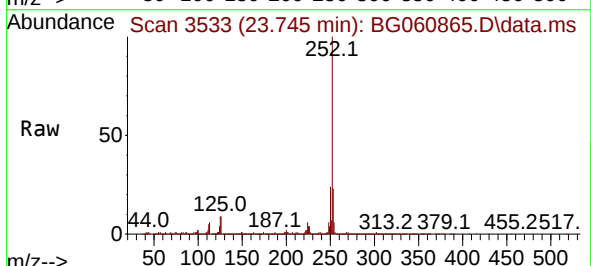
RT: 23.745 min Scan# 3533

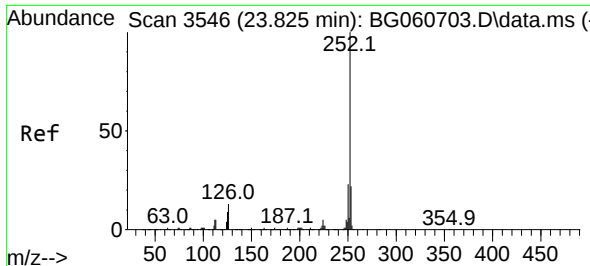
Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Tgt Ion:	252	Resp:	152910
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	8.6	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 21.553 ng m
RT: 23.798 min Scan# 3
Delta R.T. -0.027 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

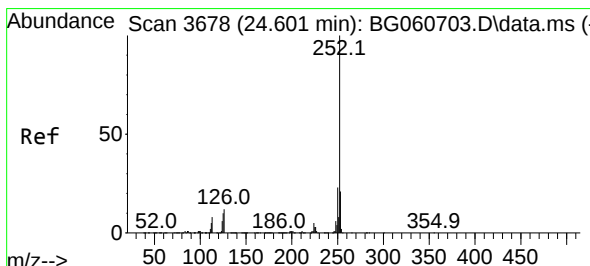
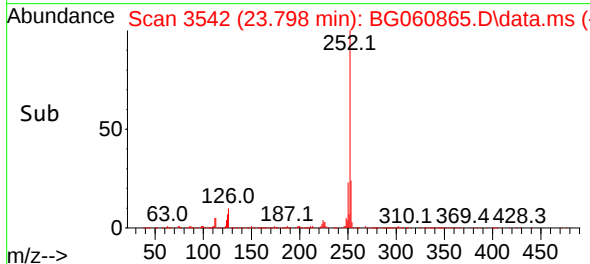
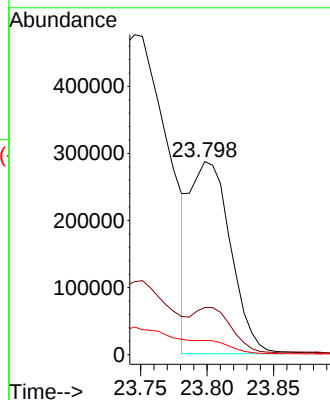
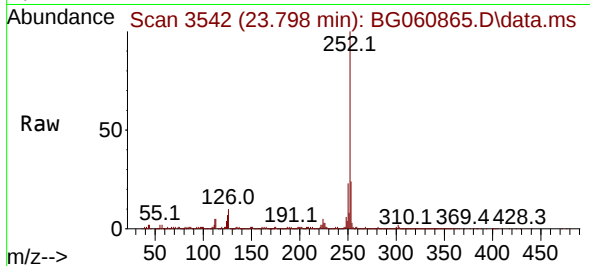
TP-2

Tgt Ion:252 Resp: 611952
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 7.3 7.5 11.3

Manual Integrations

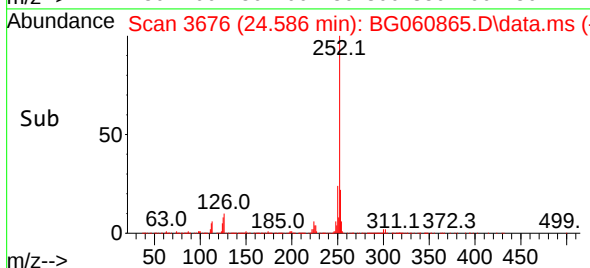
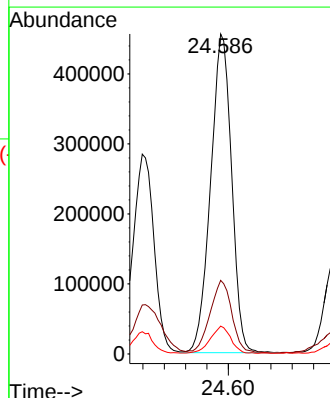
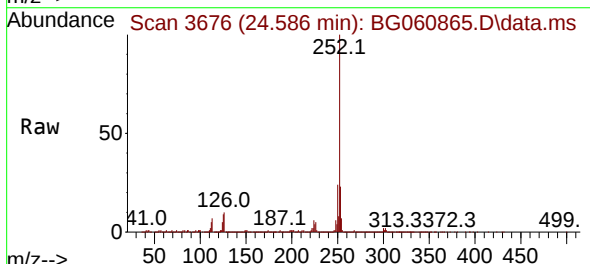
APPROVED

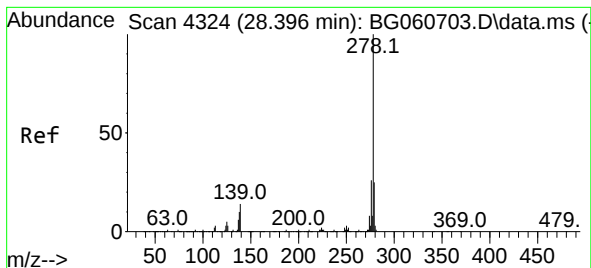
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#90
Benzo(a)pyrene
Concen: 46.079 ng
RT: 24.586 min Scan# 3676
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:252 Resp: 1242213
Ion Ratio Lower Upper
252 100
253 23.0 16.8 25.2
125 8.7 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 8.005 ng m

RT: 28.340 min Scan# 41

Delta R.T. -0.056 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion:278 Resp: 22944

Ion Ratio Lower Upper

278 100

139 11.6 11.1 16.7

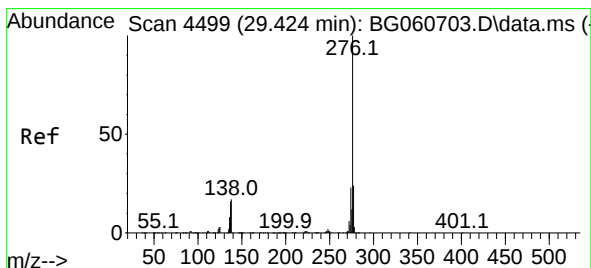
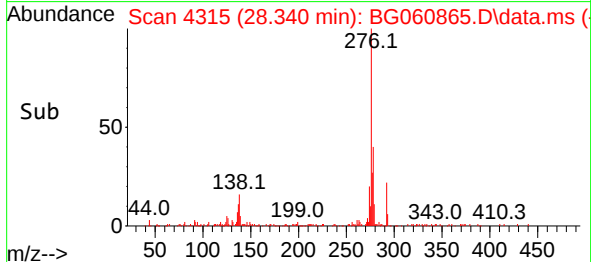
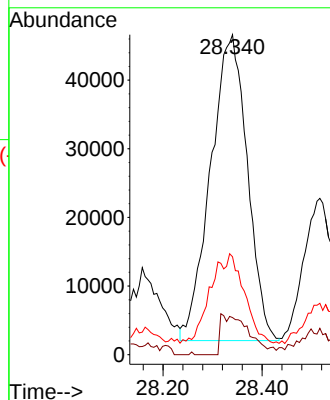
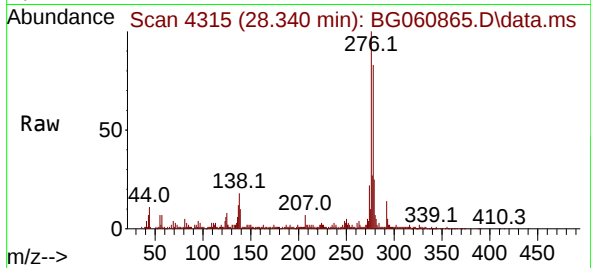
279 30.6 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#92

Benzo(g,h,i)perylene

Concen: 29.937 ng

RT: 29.392 min Scan# 4494

Delta R.T. -0.033 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Tgt Ion:276 Resp: 834760

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 14.2 14.0 21.0

