

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060866.D
 Acq On : 11 Apr 2024 19:37
 Operator : MA/JU
 Sample : P2070-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

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

Quant Time: Apr 12 01:37:44 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	7.947	152	72526	20.000	ng	-0.01
21) Naphthalene-d8	10.744	136	280723	20.000	ng	-0.01
39) Acenaphthene-d10	14.575	164	210491	20.000	ng	-0.01
64) Phenanthrene-d10	17.325	188	457594	20.000	ng	-0.01
76) Chrysene-d12	21.590	240	406261	20.000	ng	-0.01
86) Perylene-d12	24.728	264	490500	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	382072	87.760	ng	0.00
7) Phenol-d6	7.113	99	530771	82.132	ng	0.00
23) Nitrobenzene-d5	9.099	82	349848	71.112	ng	-0.01
42) 2,4,6-Tribromophenol	16.067	330	279303	116.892	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	785496	54.768	ng	-0.02
79) Terphenyl-d14	19.951	244	1288198	55.834	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.305	152	46647m	2.458	ng	
71) Phenanthrene	17.366	178	563541	23.680	ng	100
72) Anthracene	17.460	178	121192	5.014	ng	97
73) Carbazole	17.724	167	61847	2.902	ng	97
75) Fluoranthene	19.381	202	1182115	40.934	ng	97
78) Pyrene	19.745	202	1017699	35.818	ng	99
81) Benzo(a)anthracene	21.573	228	678118	23.680	ng	97
83) Chrysene	21.631	228	607141	21.996	ng	97
87) Indeno(1,2,3-cd)pyrene	28.282	276	500690	14.495	ng	95
88) Benzo(b)fluoranthene	23.741	252	916503	32.524	ng	98
89) Benzo(k)fluoranthene	23.799	252	299887m	10.397	ng	
90) Benzo(a)pyrene	24.581	252	630024	23.006	ng	95
91) Dibenzo(a,h)anthracene	28.329	278	118876	4.083	ng	94
92) Benzo(g,h,i)perylene	29.387	276	463149	16.352	ng	99

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

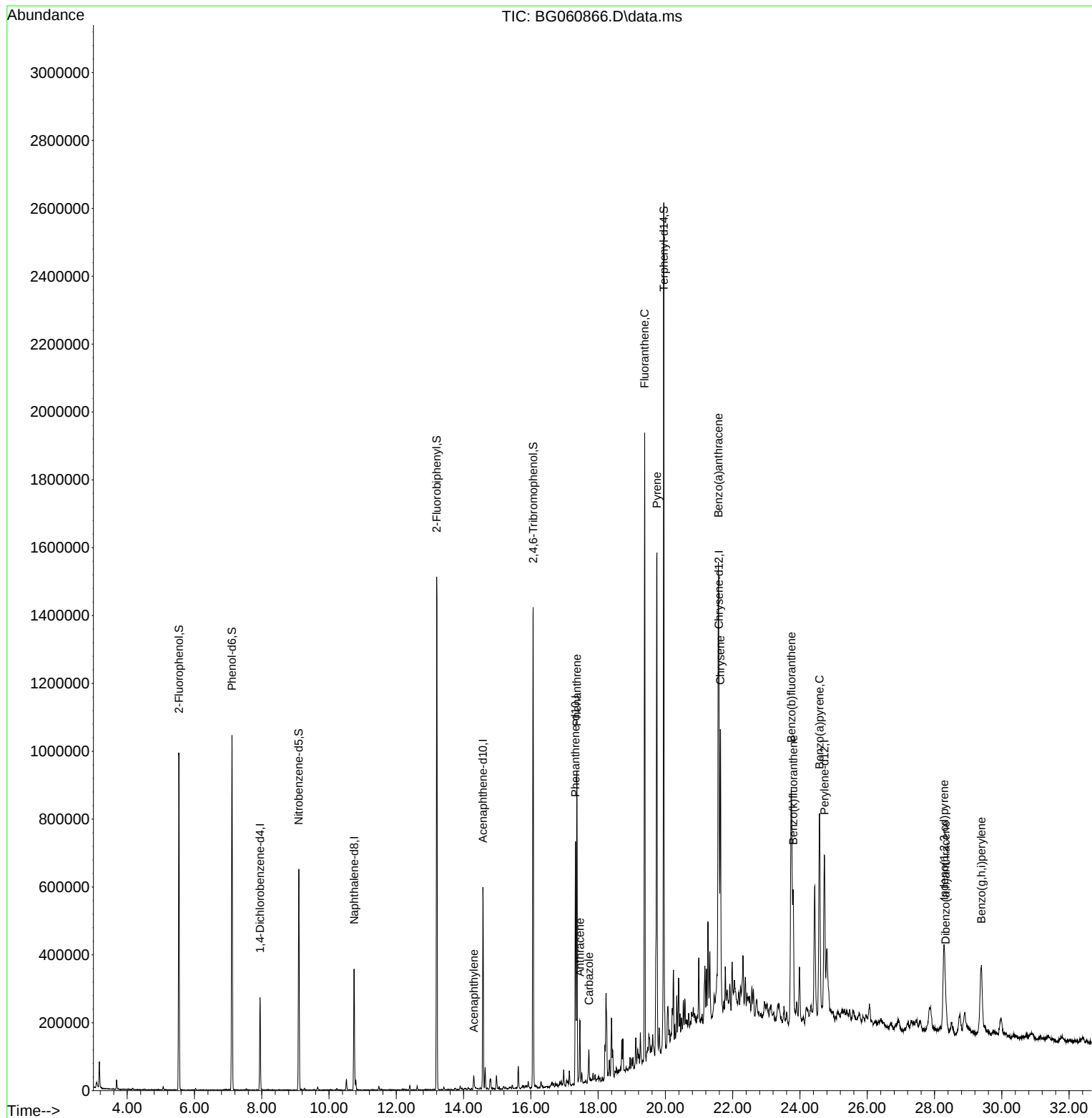
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
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ALS Vial : 11 Sample Multiplier: 1

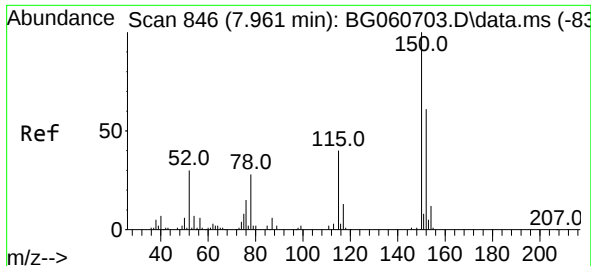
Instrument :
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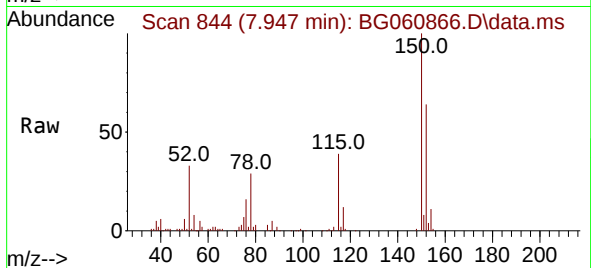
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 846
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

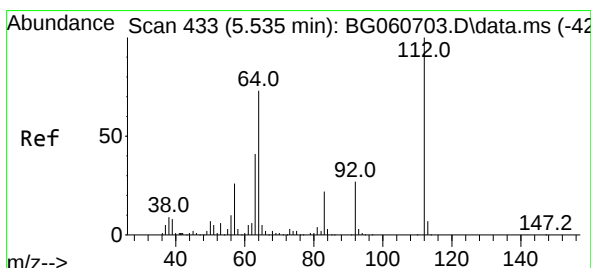
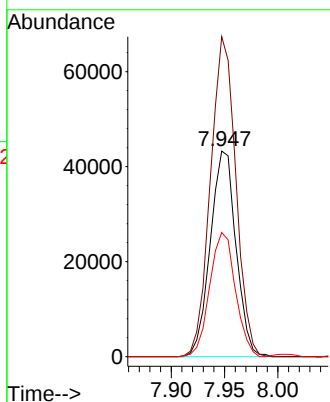
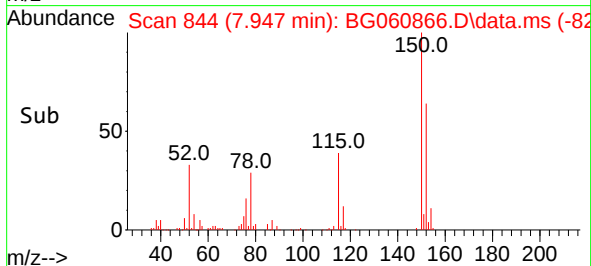
Instrument :
BNA_G
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 72520
Ion Ratio Lower Upper
152 100
150 155.6 130.2 195.4
115 60.4 51.6 77.4

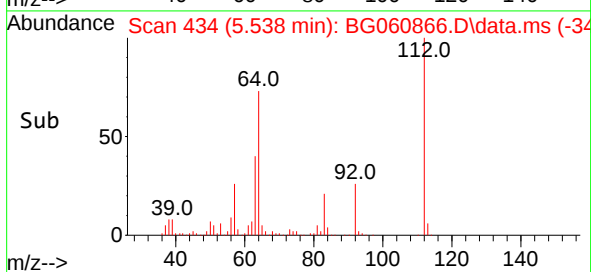
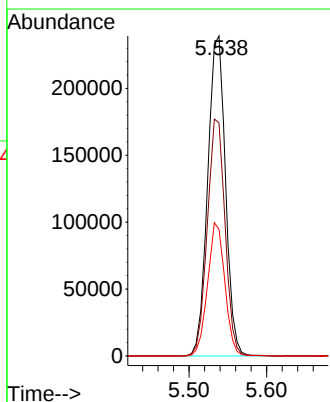
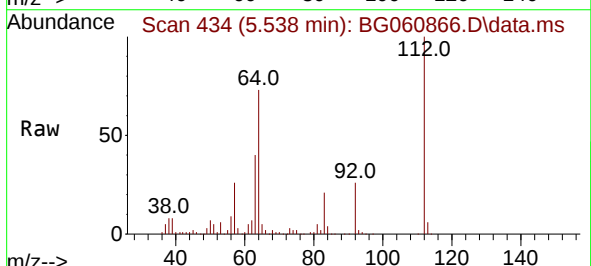
Manual Integrations
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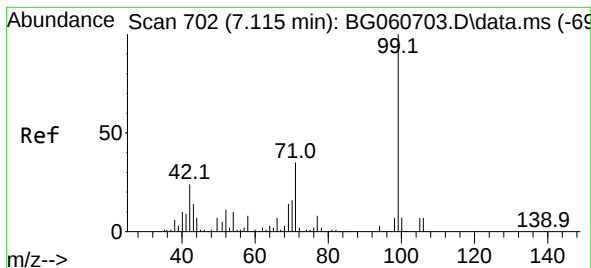
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#5
2-Fluorophenol
Concen: 87.760 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.004 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:112 Resp: 382072
Ion Ratio Lower Upper
112 100
64 72.8 58.4 87.6
63 39.6 32.7 49.1





#7

Phenol-d6

Concen: 82.132 ng

RT: 7.113 min Scan# 702

Delta R.T. -0.002 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion: 99 Resp: 53077

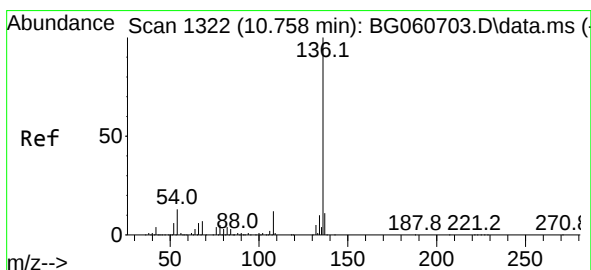
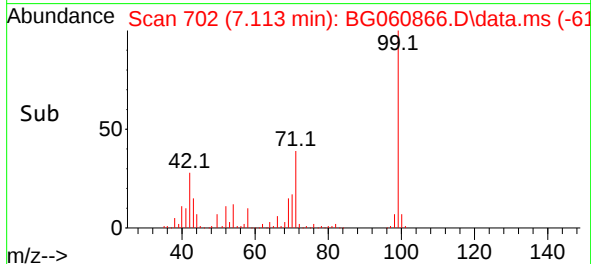
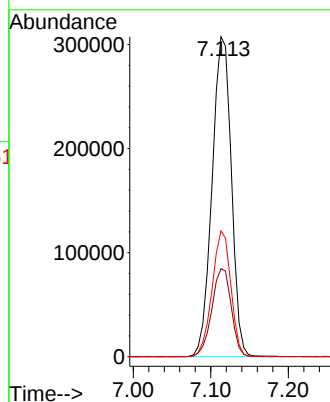
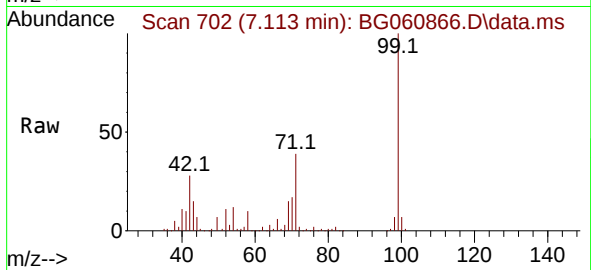
Ion	Ratio	Lower	Upper
99	100		
42	27.5	19.4	29.2
71	39.3	28.2	42.2

Manual Integrations

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Supervised By :mohammad ahmed 04/17/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.744 min Scan# 1320

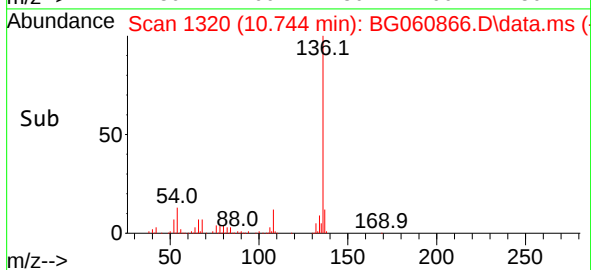
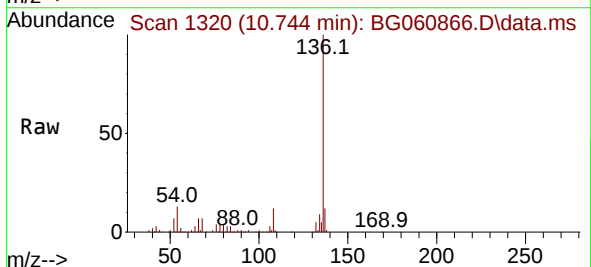
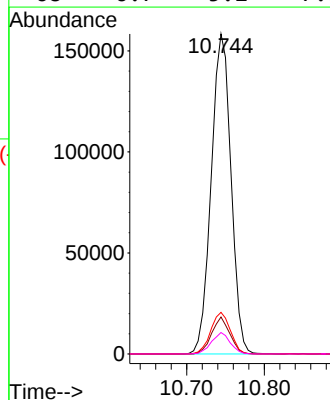
Delta R.T. -0.014 min

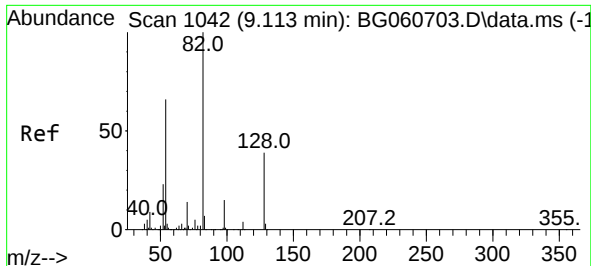
Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Tgt Ion:136 Resp: 280723

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	13.0	10.2	15.2
68	6.7	5.2	7.8





#23

Nitrobenzene-d5

Concen: 71.112 ng

RT: 9.099 min Scan# 1040

Delta R.T. -0.014 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion: 82 Resp: 34984

Ion Ratio Lower Upper

82 100

128 39.9 31.2 46.8

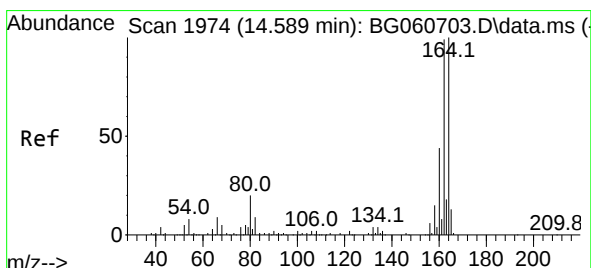
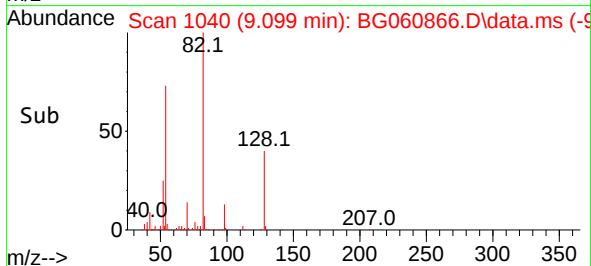
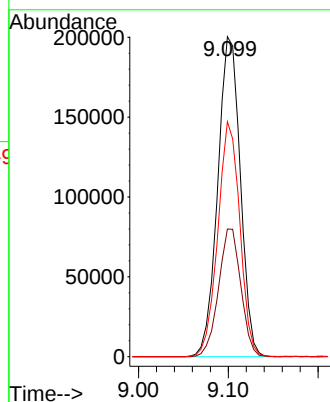
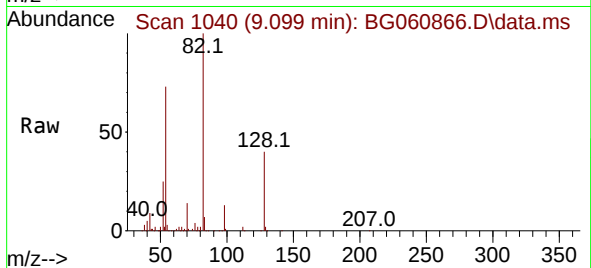
54 73.5 53.2 79.8

Manual Integrations

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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: 14.575 min Scan# 1972

Delta R.T. -0.014 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

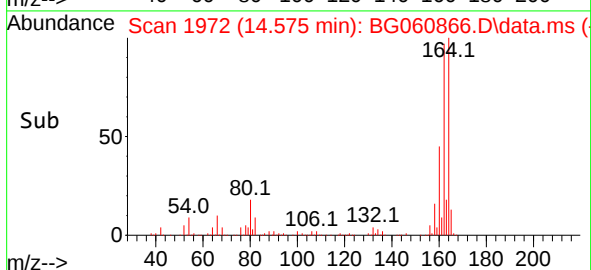
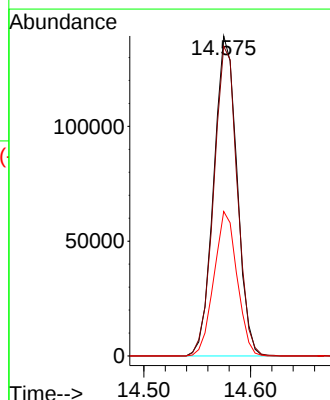
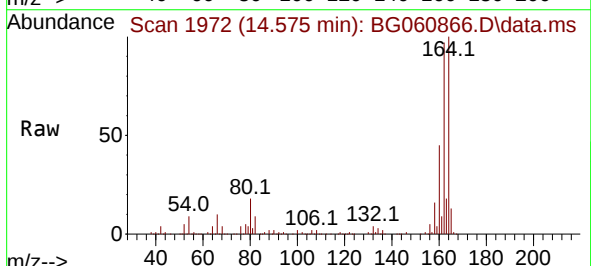
Tgt Ion:164 Resp: 210491

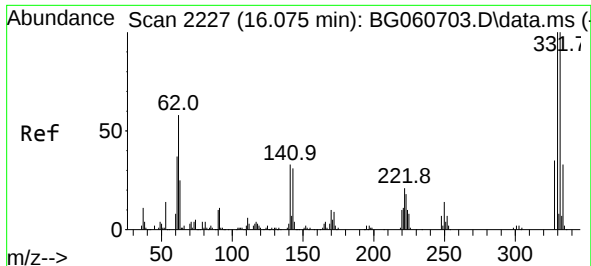
Ion Ratio Lower Upper

164 100

162 96.8 79.5 119.3

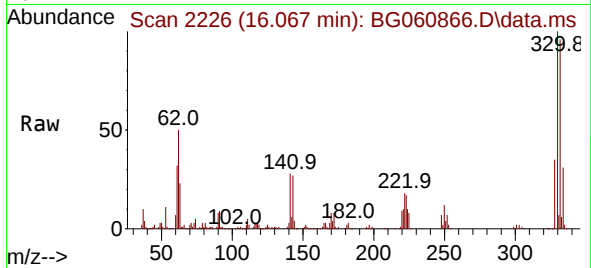
160 45.2 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 116.892 ng
RT: 16.067 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

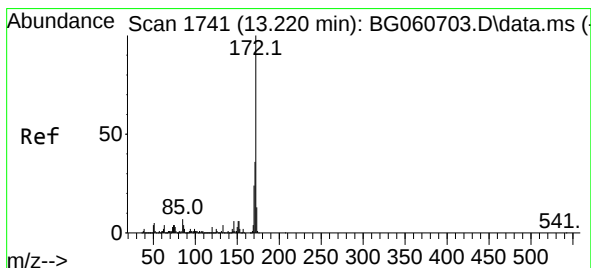
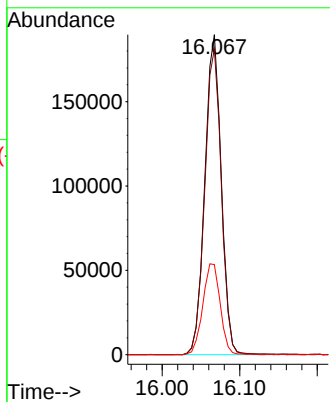
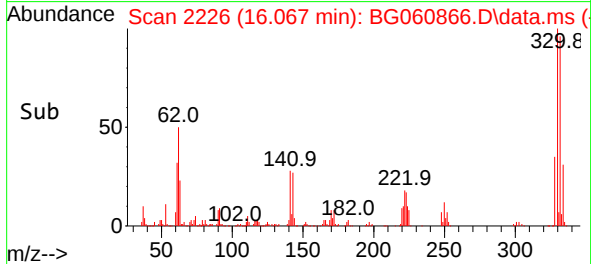
Instrument :
BNA_G
ClientSampleId :
TP-3



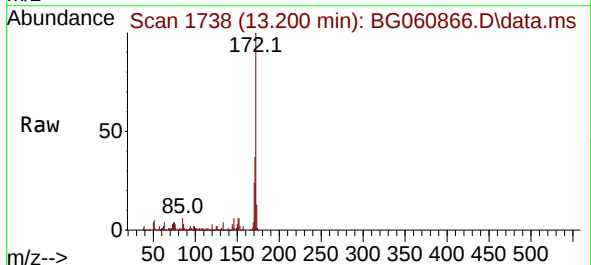
Tgt Ion:330 Resp: 27930
Ion Ratio Lower Upper
330 100
332 96.2 78.2 117.4
141 30.0 27.0 40.6

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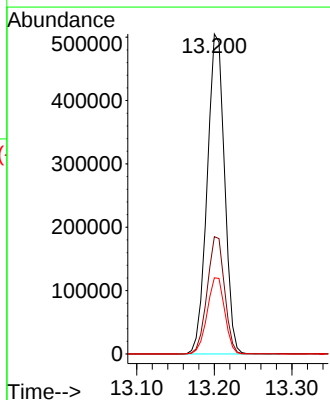
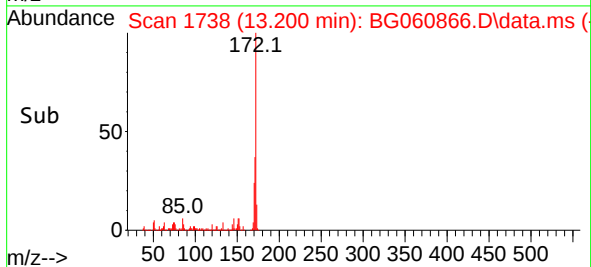
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024

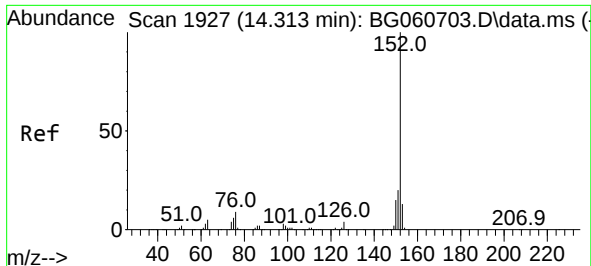


#45
2-Fluorobiphenyl
Concen: 54.768 ng
RT: 13.200 min Scan# 1738
Delta R.T. -0.020 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37



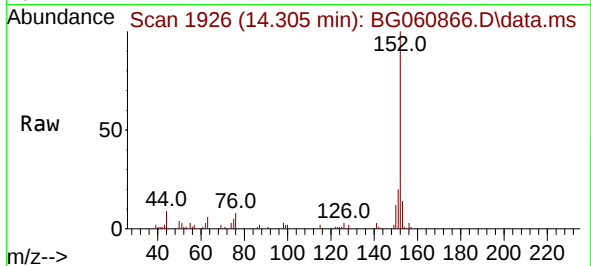
Tgt Ion:172 Resp: 785496
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 23.8 19.4 29.0





#49
Acenaphthylene
Concen: 2.458 ng m
RT: 14.305 min Scan# 1926
Delta R.T. -0.008 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

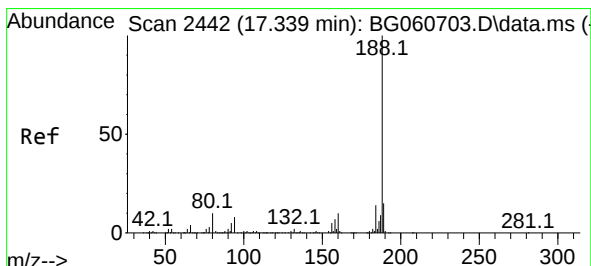
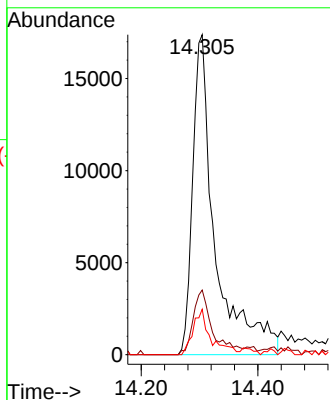
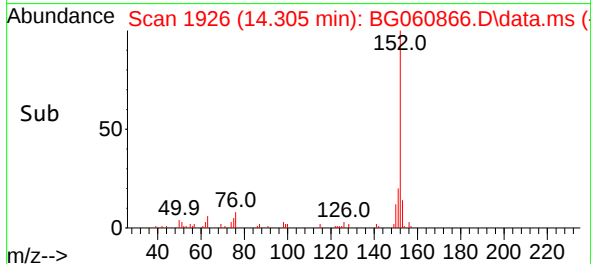
Instrument :
BNA_G
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 4664
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 14.2 10.5 15.7

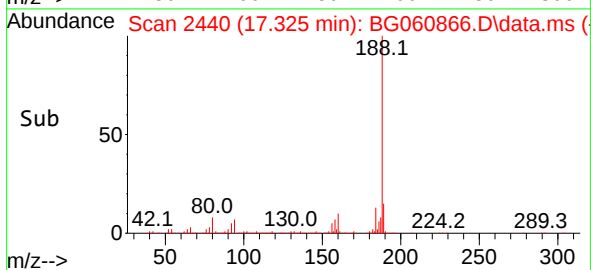
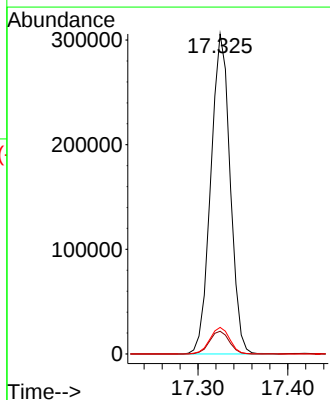
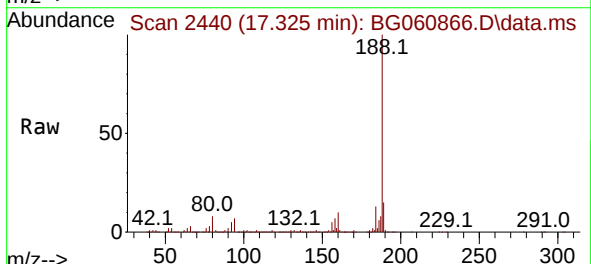
Manual Integrations
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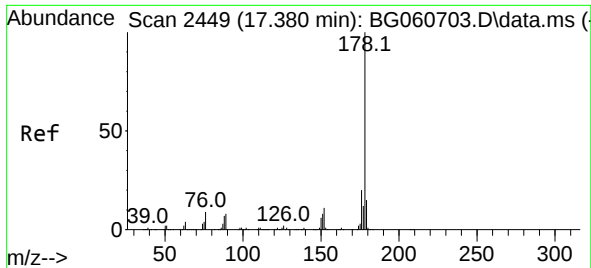
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.325 min Scan# 2440
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:188 Resp: 457594
Ion Ratio Lower Upper
188 100
94 7.1 6.6 9.8
80 8.3 7.6 11.4





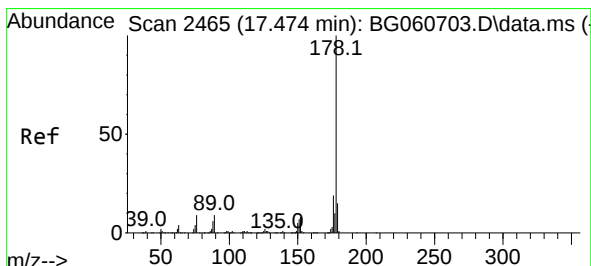
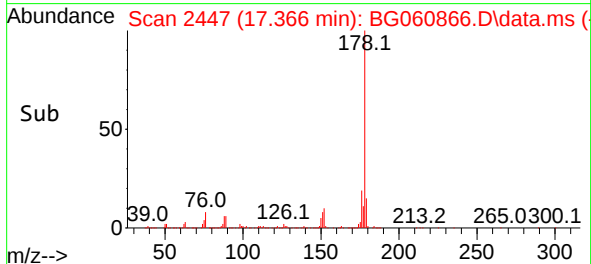
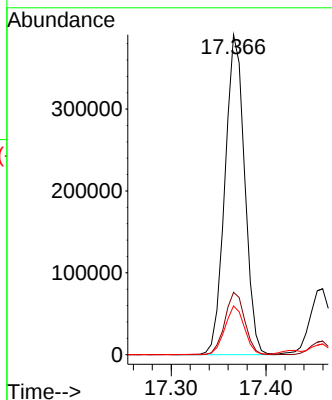
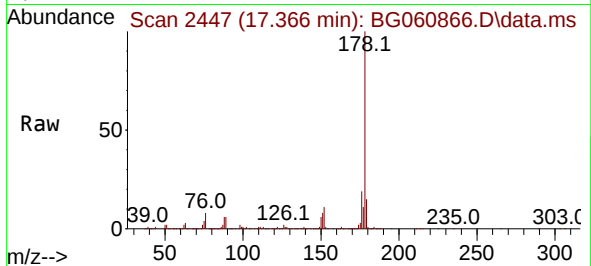
#71
Phenanthrene
Concen: 23.680 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion:	178	Resp:	56354
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.6
179	15.3	12.2	18.4

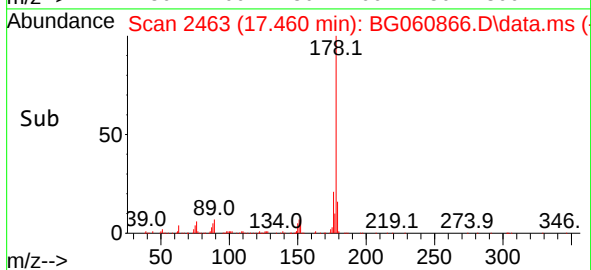
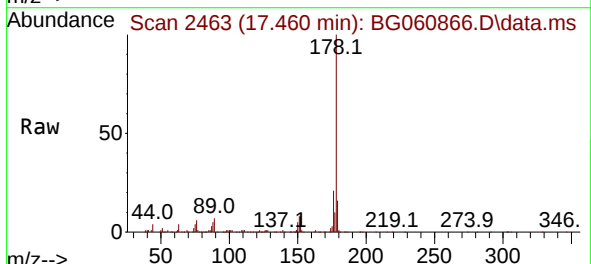
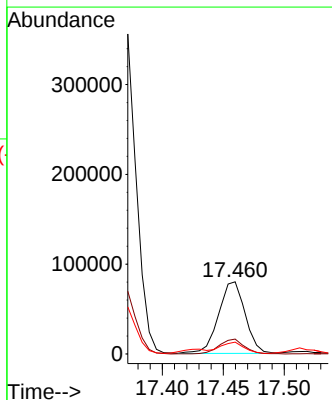
Manual Integrations
APPROVED

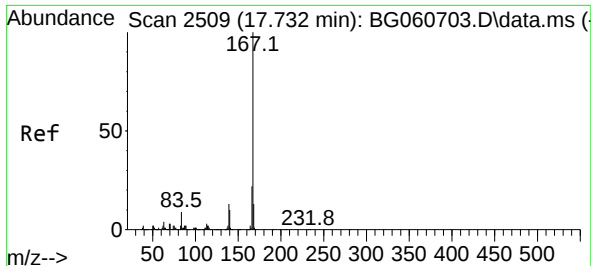
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#72
Anthracene
Concen: 5.014 ng
RT: 17.460 min Scan# 2463
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

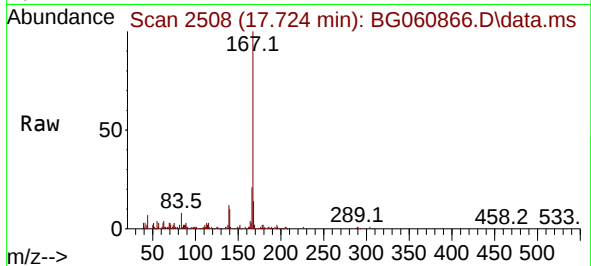
Tgt Ion:	178	Resp:	121192
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.5	23.3
179	16.4	12.2	18.2





#73
 Carbazole
 Concen: 2.902 ng
 RT: 17.724 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

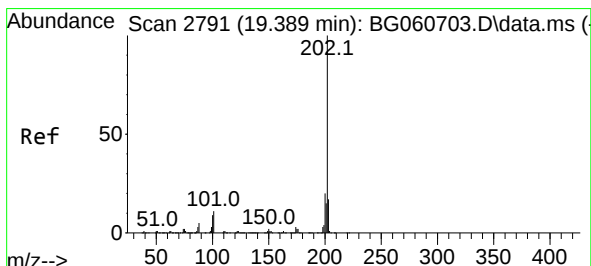
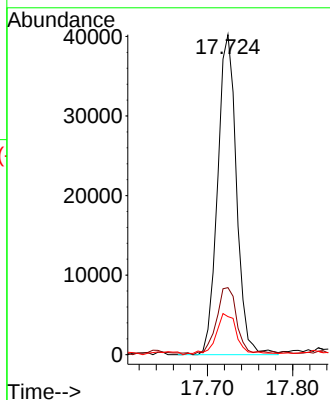
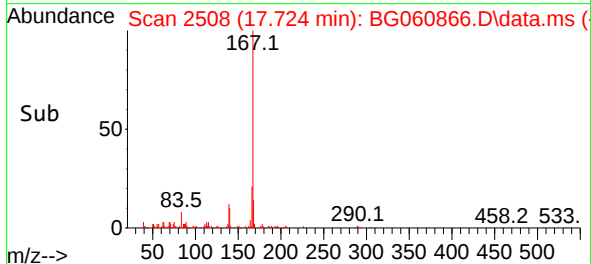
Instrument :
 BNA_G
 ClientSampleId :
 TP-3



Tgt Ion:167 Resp: 6184
 Ion Ratio Lower Upper
 167 100
 166 21.0 18.0 27.0
 139 11.9 10.5 15.7

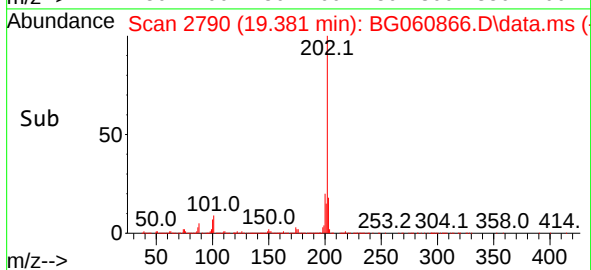
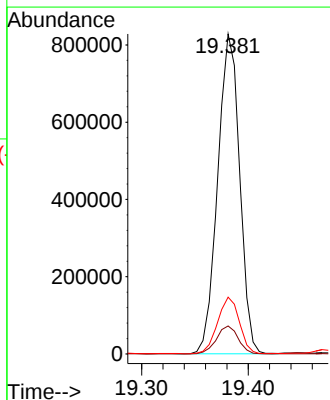
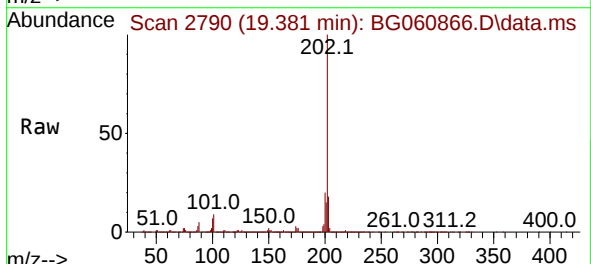
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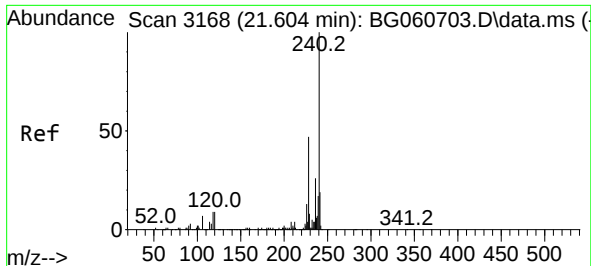
Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/17/2024



#75
 Fluoranthene
 Concen: 40.934 ng
 RT: 19.381 min Scan# 2790
 Delta R.T. -0.008 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

Tgt Ion:202 Resp: 1182115
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.8
 203 17.7 0.0 37.4





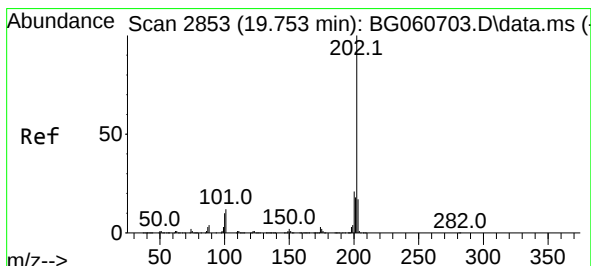
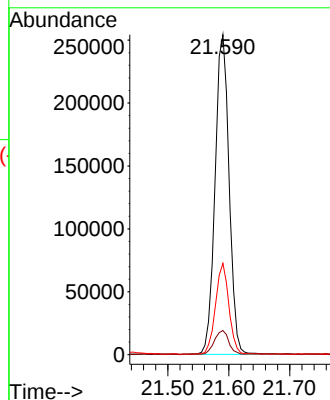
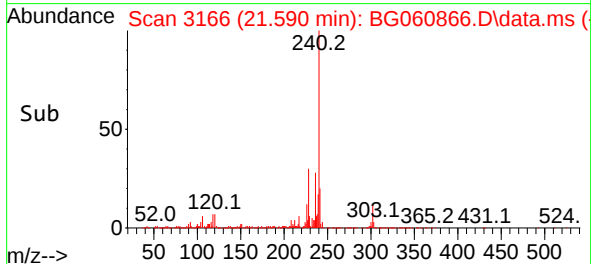
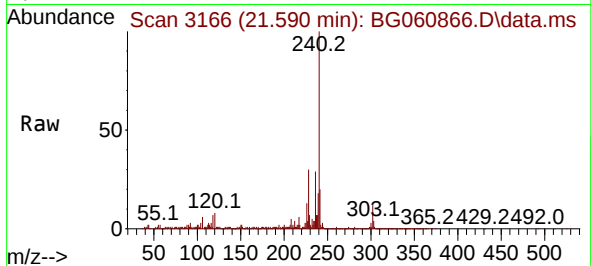
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3166
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion:240 Resp: 40626
Ion Ratio Lower Upper
240 100
120 7.6 7.1 10.7
236 28.6 20.7 31.1

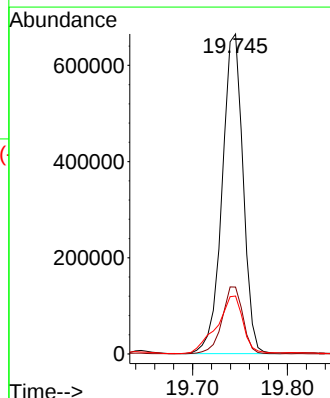
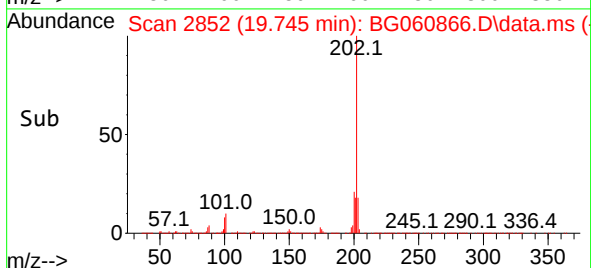
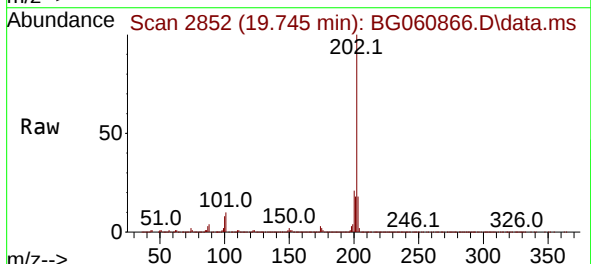
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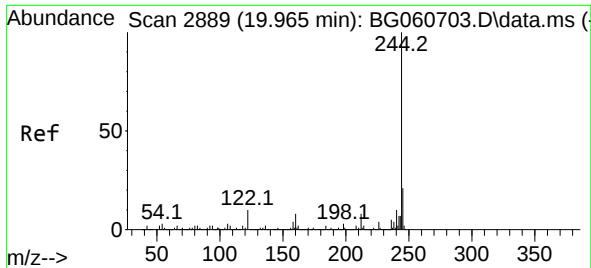
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#78
Pyrene
Concen: 35.818 ng
RT: 19.745 min Scan# 2852
Delta R.T. -0.008 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:202 Resp: 1017699
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.1 14.0 21.0





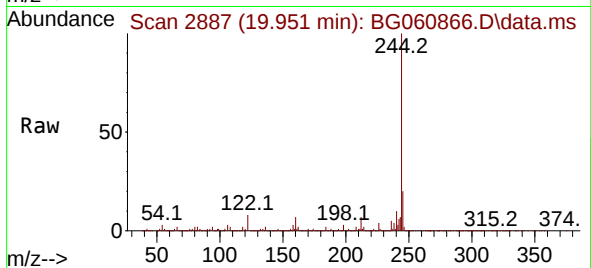
#79
 Terphenyl-d14
 Concen: 55.834 ng
 RT: 19.951 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3



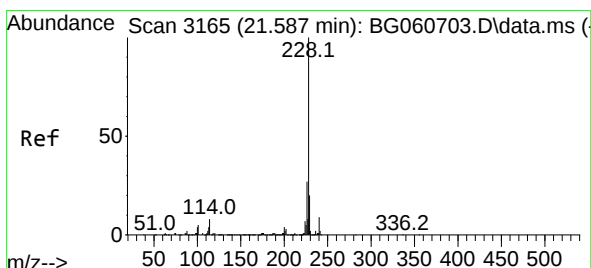
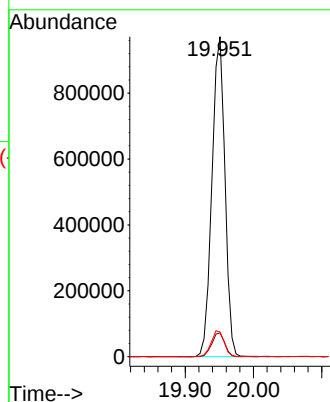
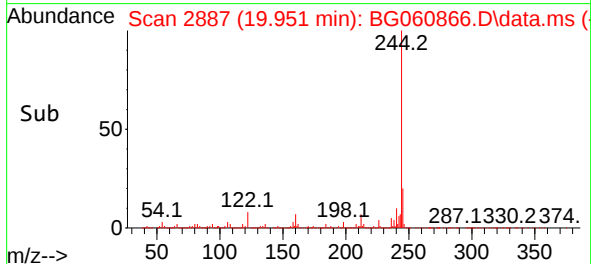
Tgt Ion:244 Resp: 1288198
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 7.7 7.8 11.8

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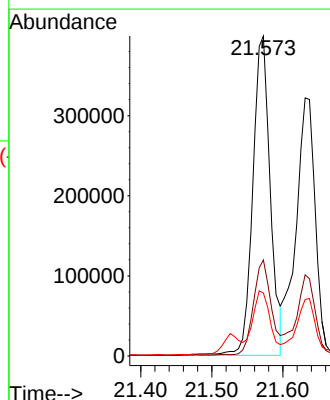
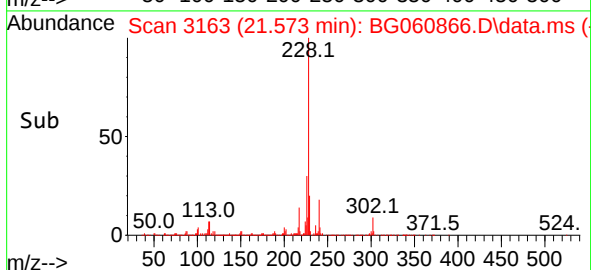
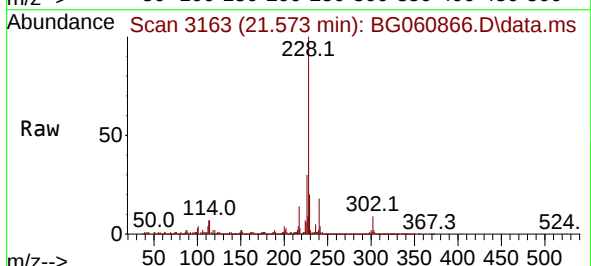
Reviewed By :Yogesh Patel 04/12/2024

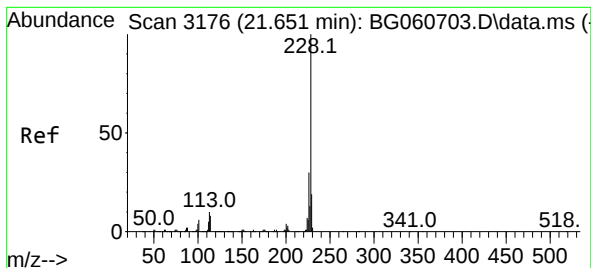
Supervised By :mohammad ahmed 04/17/2024



#81
 Benzo(a)anthracene
 Concen: 23.680 ng
 RT: 21.573 min Scan# 3163
 Delta R.T. -0.014 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

Tgt Ion:228 Resp: 678118
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.7 32.5
 229 19.7 15.8 23.8





#83

Chrysene

Concen: 21.996 ng

RT: 21.631 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

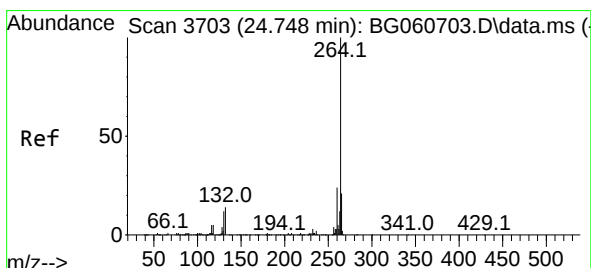
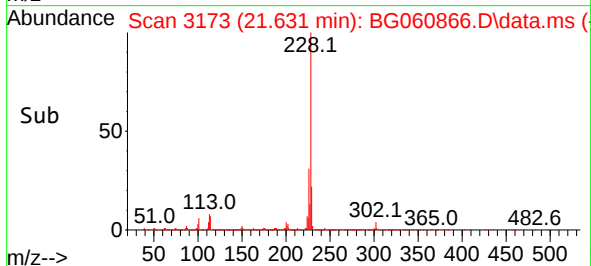
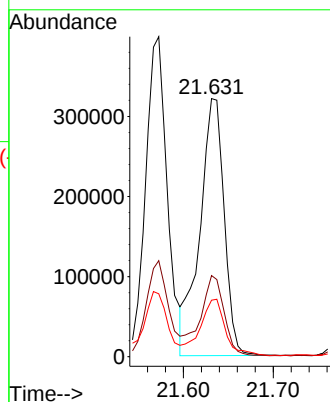
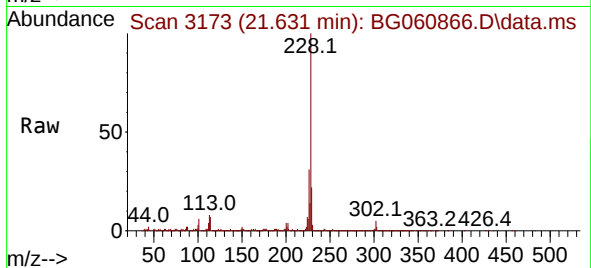
Tgt Ion:228	Resp: 60714
Ion Ratio	Lower Upper
228 100	
226 31.5	24.2 36.4
229 21.9	15.5 23.3

Manual Integrations

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Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#86

Perylene-d12

Concen: 20.000 ng

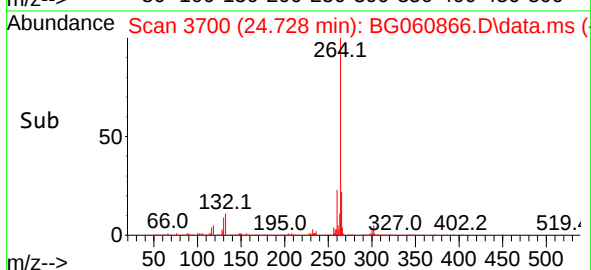
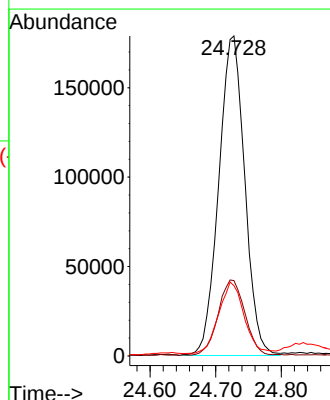
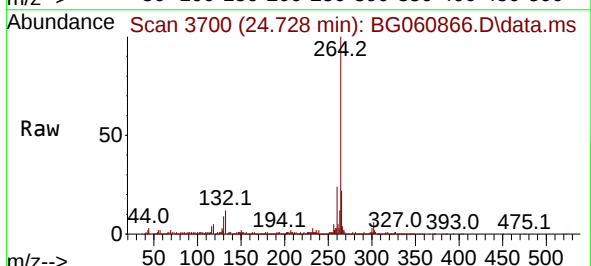
RT: 24.728 min Scan# 3700

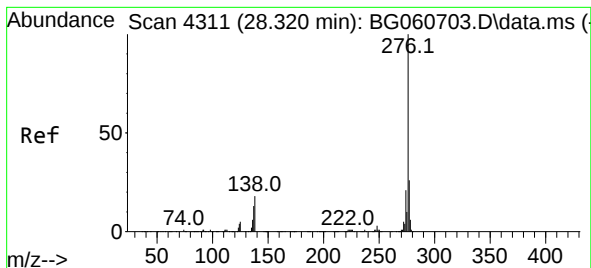
Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Tgt Ion:264	Resp: 490500
Ion Ratio	Lower Upper
264 100	
260 23.5	19.5 29.3
265 21.9	16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.495 ng

RT: 28.282 min Scan# 4311

Delta R.T. -0.038 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion:276 Resp: 500690

Ion Ratio Lower Upper

276 100

138 14.1 12.4 18.6

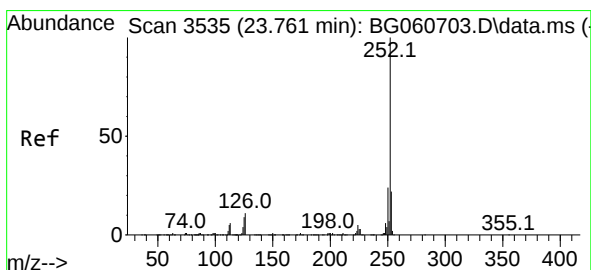
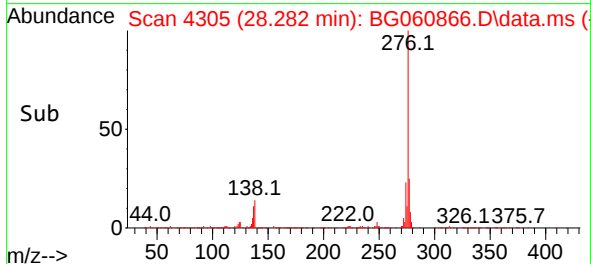
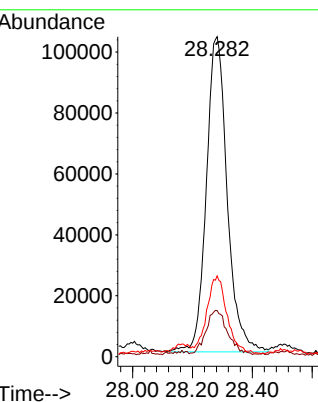
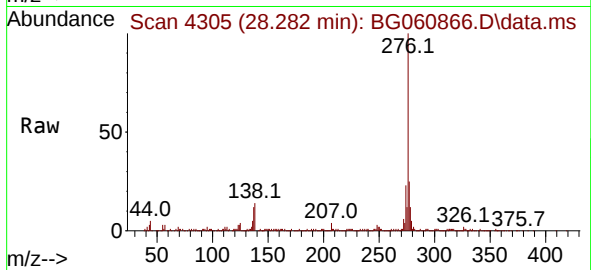
277 22.1 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#88

Benzo(b)fluoranthene

Concen: 32.524 ng

RT: 23.741 min Scan# 3532

Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

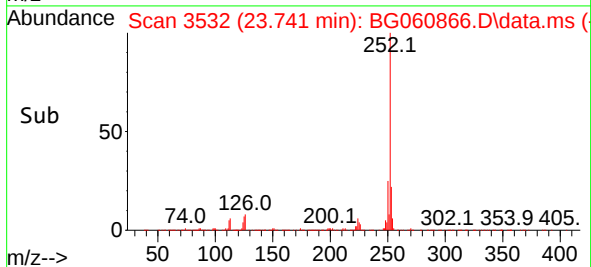
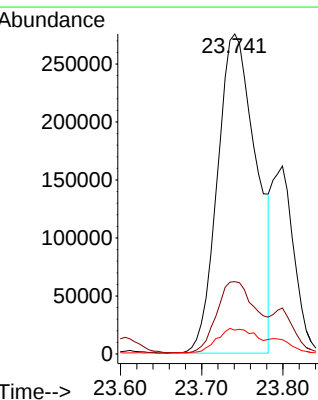
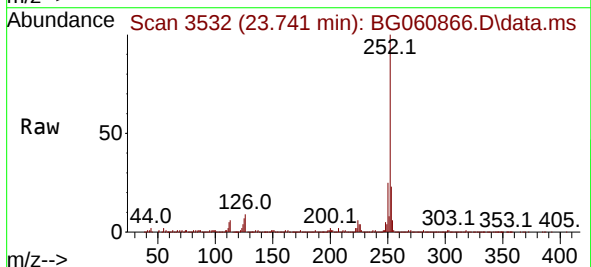
Tgt Ion:252 Resp: 916503

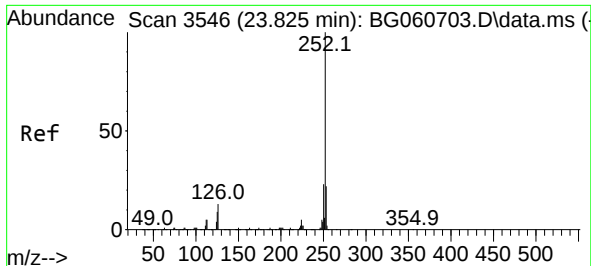
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

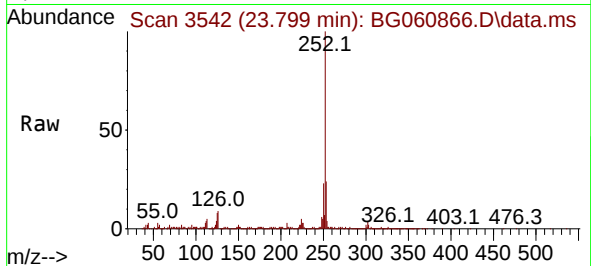
125 7.5 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 10.397 ng m
RT: 23.799 min Scan# 3546
Delta R.T. -0.026 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

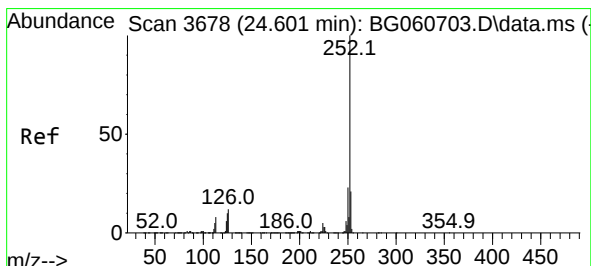
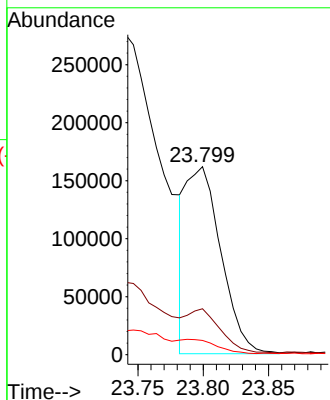
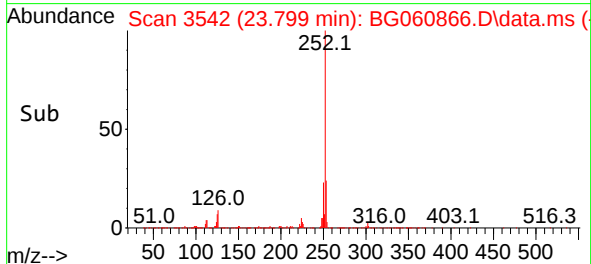
Instrument :
BNA_G
ClientSampleId :
TP-3



Tgt Ion:252 Resp: 29988
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 7.6 7.5 11.3

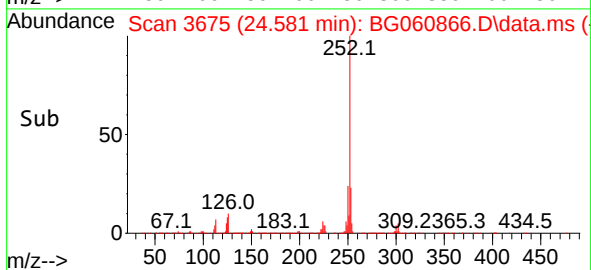
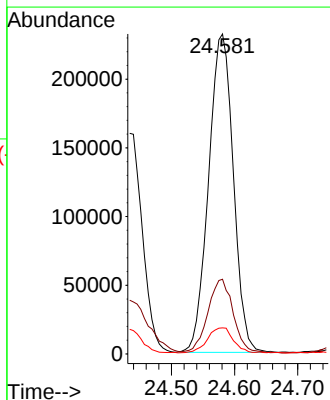
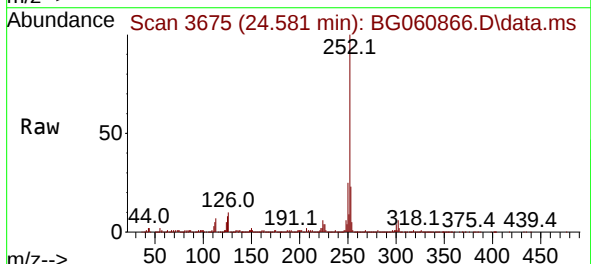
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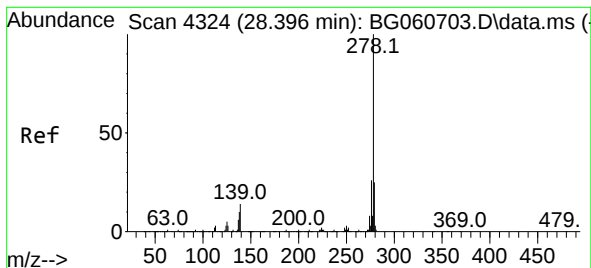
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#90
Benzo(a)pyrene
Concen: 23.006 ng
RT: 24.581 min Scan# 3675
Delta R.T. -0.020 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

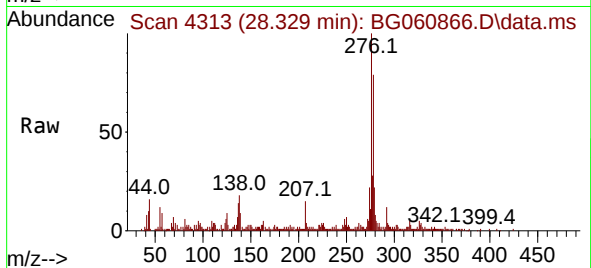
Tgt Ion:252 Resp: 630024
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 8.2 7.6 11.4





#91
Dibenzo(a,h)anthracene
Concen: 4.083 ng
RT: 28.329 min Scan# 41
Delta R.T. -0.067 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

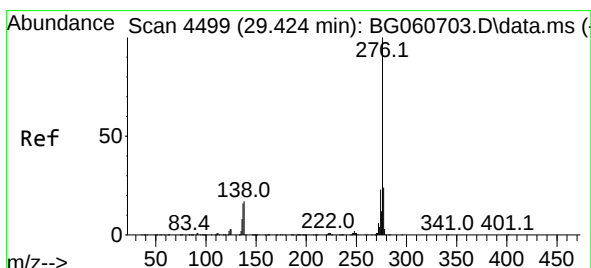
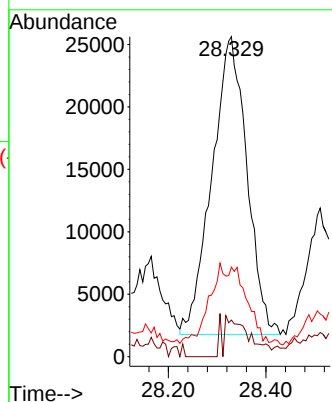
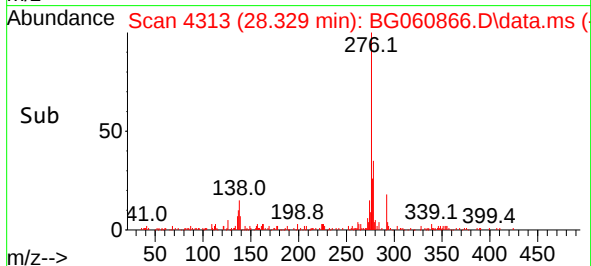
Instrument :
BNA_G
ClientSampleId :
TP-3



Tgt Ion:278 Resp: 118870
Ion Ratio Lower Upper
278 100
139 11.4 11.1 16.7
279 28.0 19.8 29.6

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



#92
Benzo(g,h,i)perylene
Concen: 16.352 ng
RT: 29.387 min Scan# 4493
Delta R.T. -0.038 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:276 Resp: 463149
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 17.5 14.0 21.0

