

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060822\
 Data File : BP010722.D
 Acq On : 08 Jun 2022 12:06
 Operator : CG/JU
 Sample : N3194-03 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 08 12:33:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 19:29:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	115075	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	501271	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	334557	20.000	ng	0.00
64) Phenanthrene-d10	17.234	188	741908	20.000	ng	0.00
76) Chrysene-d12	21.328	240	891080	20.000	ng	# 0.00
86) Perylene-d12	23.733	264	893137	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	118278	17.739	ng	0.00
7) Phenol-d6	7.022	99	169879	18.630	ng	0.00
23) Nitrobenzene-d5	9.005	82	118764	11.157	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	73028	16.029	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	249614	10.733	ng	0.00
79) Terphenyl-d14	19.792	244	452708	9.500	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.546	154	48521	2.614	ng	97
71) Phenanthrene	17.275	178	1359267	33.321	ng	99
72) Anthracene	17.369	178	362092	9.180	ng	99
73) Carbazole	17.645	167	115689	3.286	ng	100
75) Fluoranthene	19.245	202	2383874	49.380	ng	98
78) Pyrene	19.598	202	2103993	34.998	ng	99
81) Benzo(a)anthracene	21.310	228	1234974	20.846	ng	99
83) Chrysene	21.363	228	980036	17.324	ng	97
87) Indeno(1,2,3-cd)pyrene	26.233	276	495149	7.619	ng	# 95
88) Benzo(b)fluoranthene	23.004	252	1258399	22.579	ng	99
89) Benzo(k)fluoranthene	23.045	252	411322m	7.241	ng	
90) Benzo(a)pyrene	23.627	252	905742	19.413	ng	96
91) Dibenzo(a,h)anthracene	26.233	278	139040	2.558	ng	# 86
92) Benzo(g,h,i)perylene	26.998	276	448983	8.333	ng	97

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

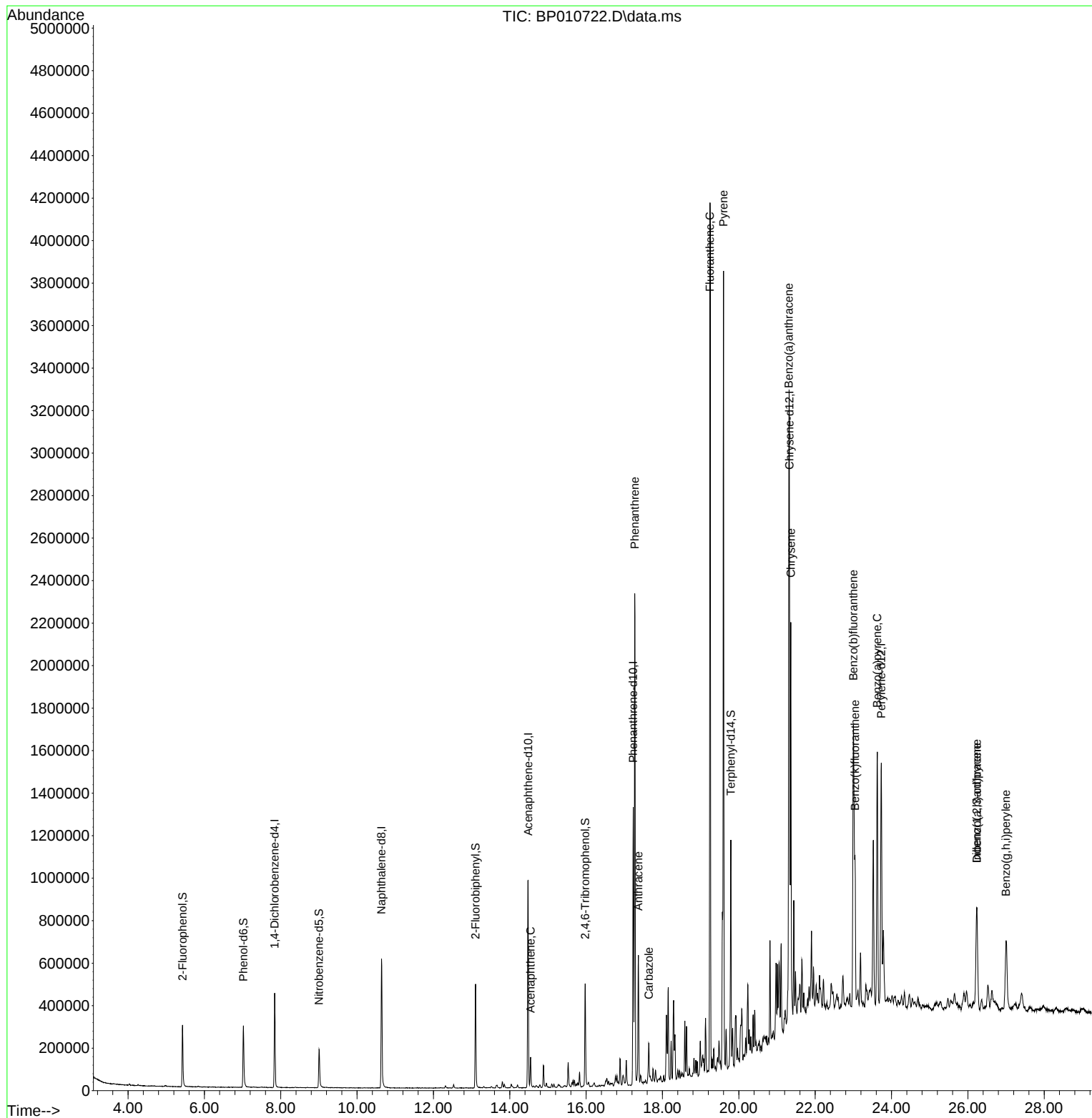
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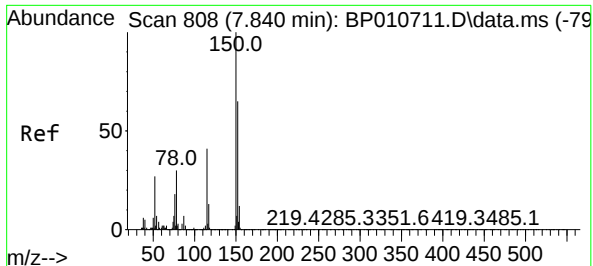
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Quant Time: Jun 08 12:33:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060722.M
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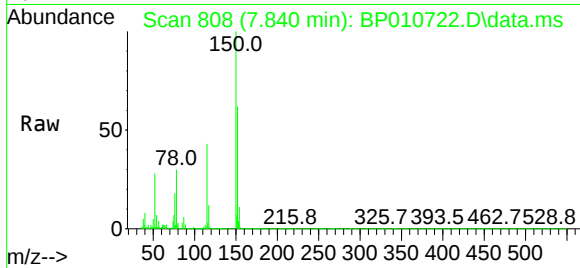
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.840 min Scan# 808
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

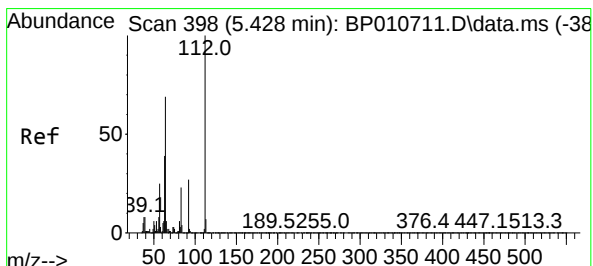
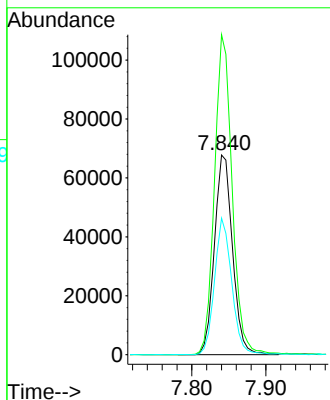
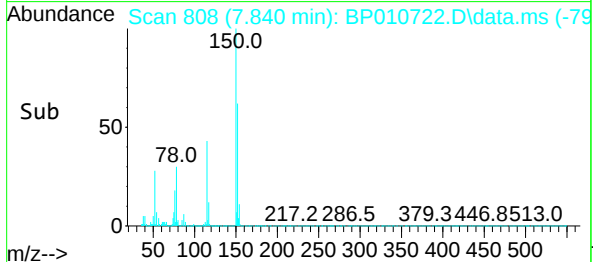
Instrument :
BNA_P
ClientSampleId :
TP-2



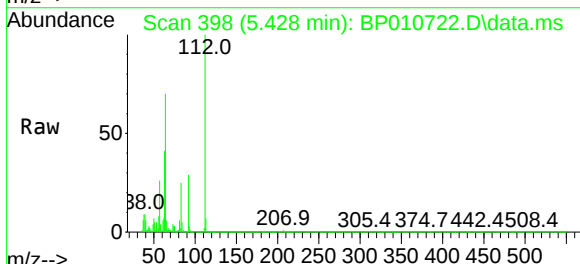
Tgt Ion:152 Resp: 115079
Ion Ratio Lower Upper
152 100
150 160.3 123.4 185.2
115 68.4 51.3 76.9

Manual Integrations
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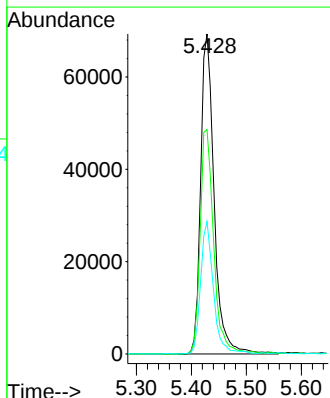
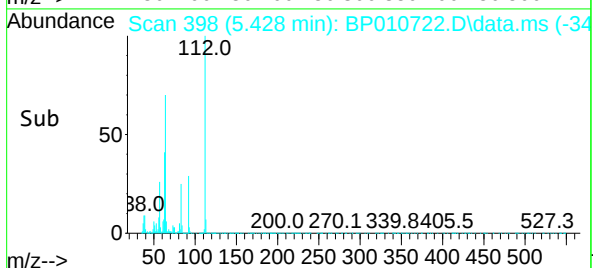
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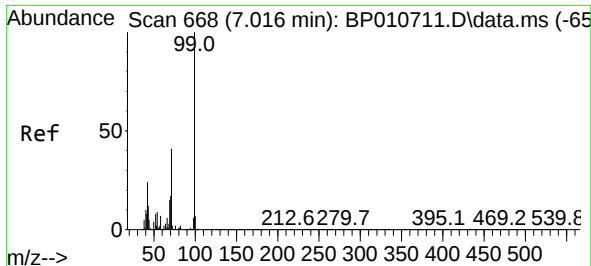


#5
2-Fluorophenol
Concen: 17.739 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06



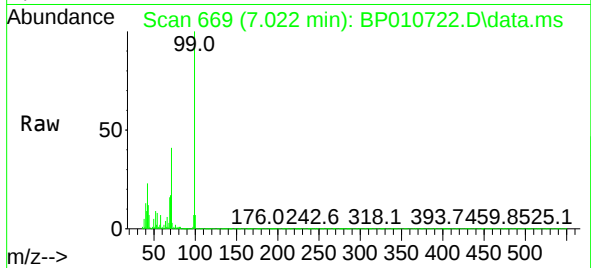
Tgt Ion:112 Resp: 118278
Ion Ratio Lower Upper
112 100
64 70.1 56.9 85.3
63 41.4 31.2 46.8





#7
Phenol-d6
Concen: 18.630 ng
RT: 7.022 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

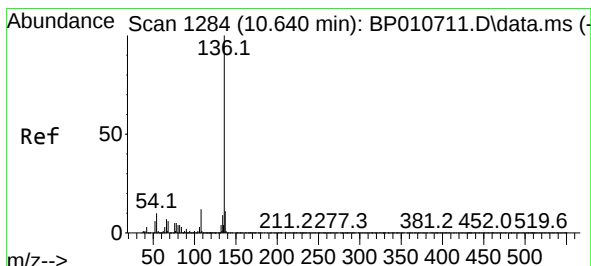
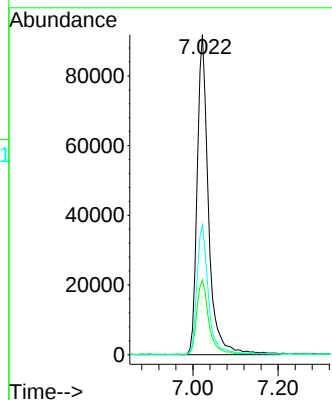
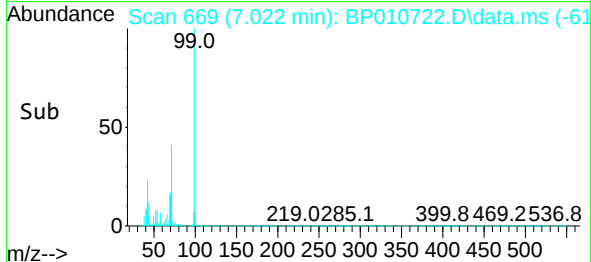
Instrument :
BNA_P
ClientSampleId :
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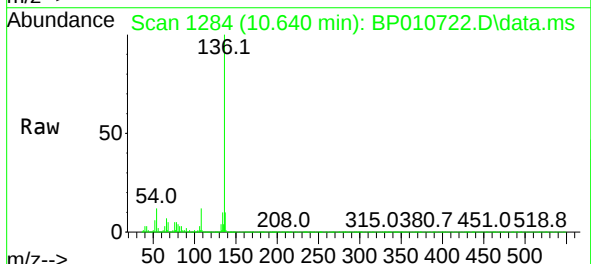
Tgt Ion: 99 Resp: 169879
Ion Ratio Lower Upper
99 100
42 23.3 20.3 30.5
71 40.6 33.9 50.9

Manual Integrations
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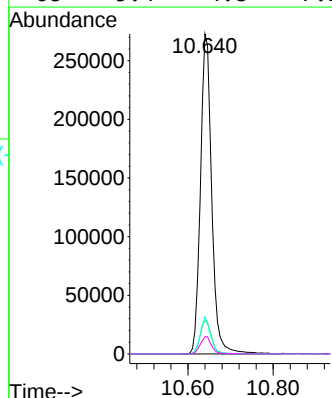
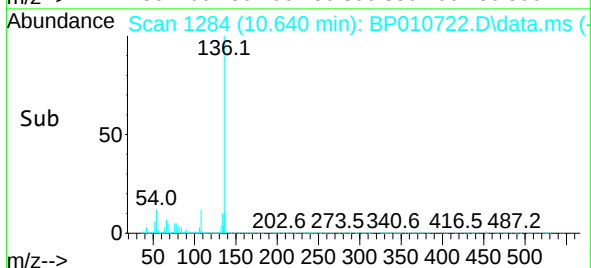
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

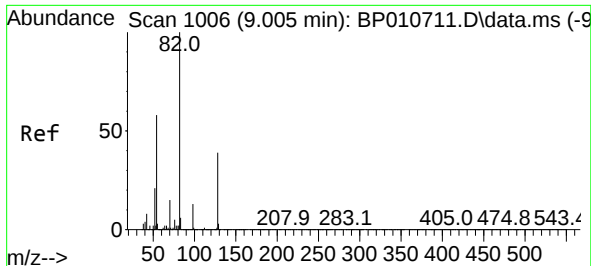


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06



Tgt Ion:136 Resp: 501271
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 11.6 8.7 13.1
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 11.157 ng

RT: 9.005 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNP_P

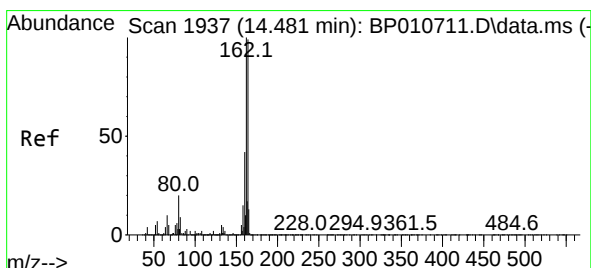
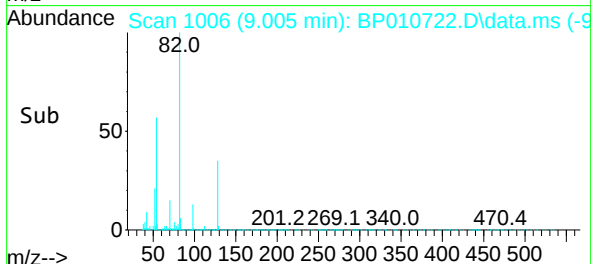
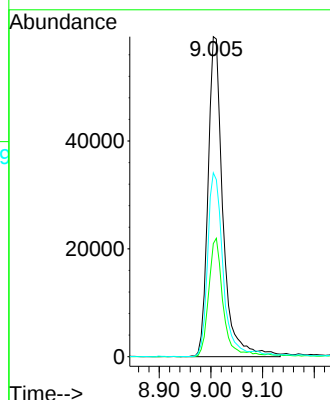
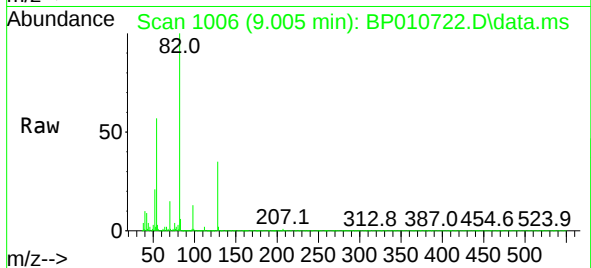
ClientSampleId :

TP-2

Tgt Ion: 82	Resp: 118764
Ion Ratio	Lower Upper
82 100	
128 35.3	31.3 46.9
54 57.5	49.8 74.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

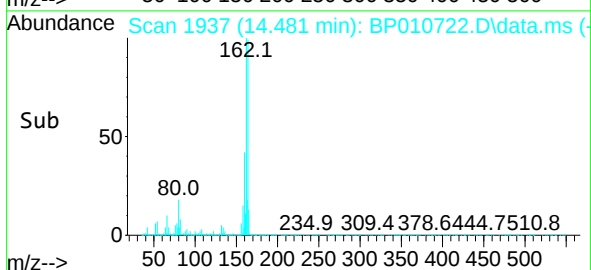
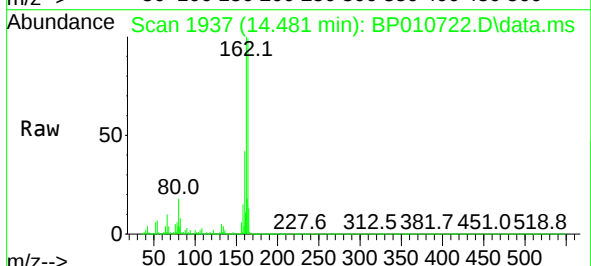
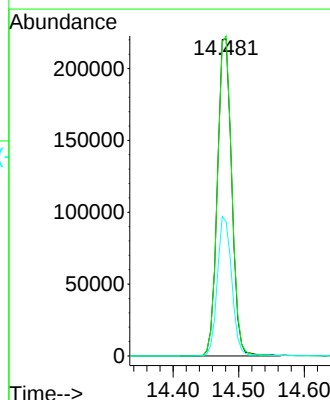
RT: 14.481 min Scan# 1937

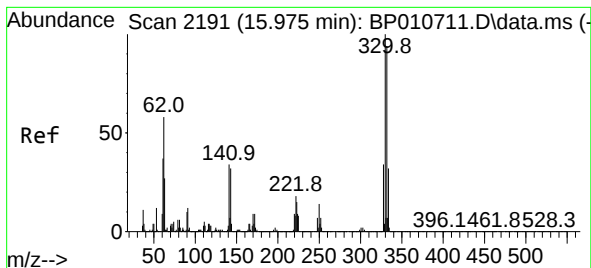
Delta R.T. -0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

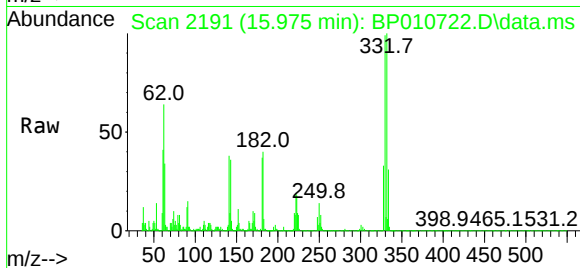
Tgt Ion: 164	Resp: 334557
Ion Ratio	Lower Upper
164 100	
162 100.9	81.9 122.9
160 42.3	34.6 51.8





#42
2,4,6-Tribromophenol
Concen: 16.029 ng
RT: 15.975 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

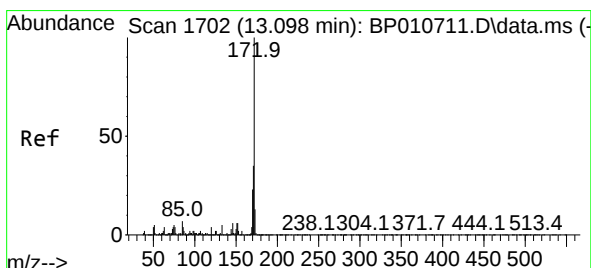
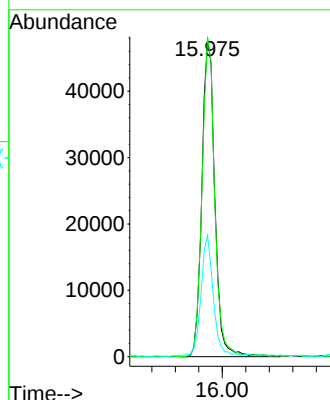
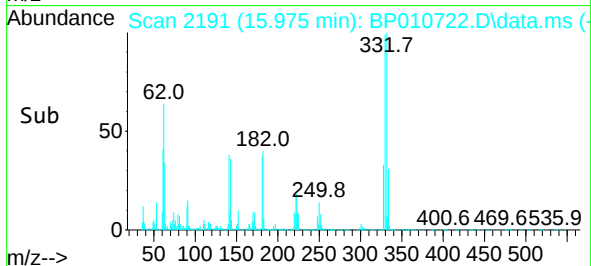
Instrument :
BNA_P
ClientSampleId :
TP-2



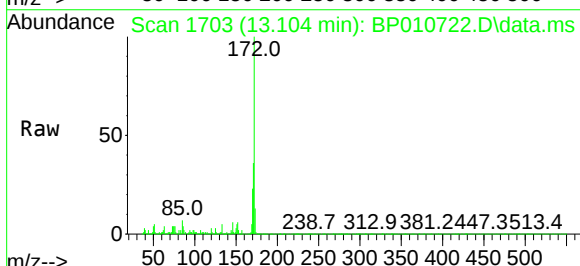
Tgt Ion:330 Resp: 73028
Ion Ratio Lower Upper
330 100
332 99.3 78.1 117.1
141 36.6 31.4 47.2

Manual Integrations
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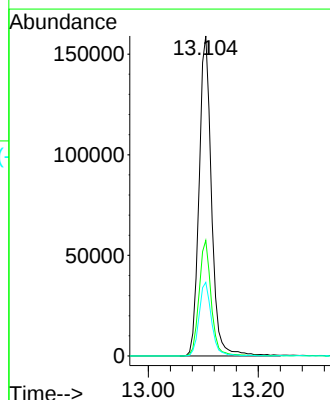
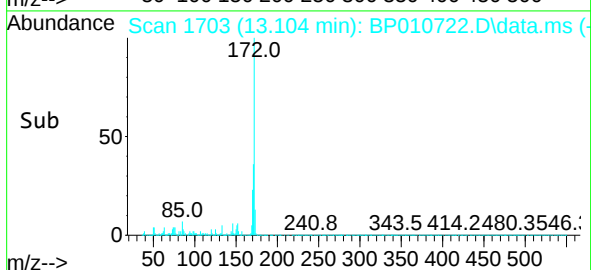
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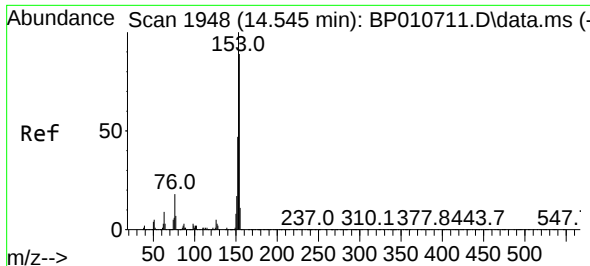


#45
2-Fluorobiphenyl
Concen: 10.733 ng
RT: 13.104 min Scan# 1703
Delta R.T. 0.006 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06



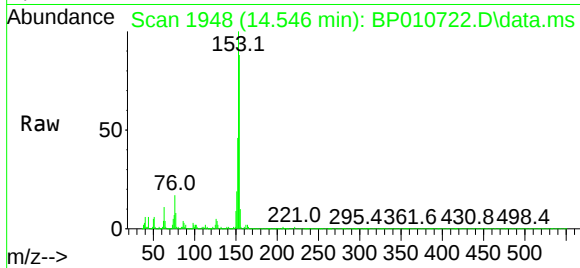
Tgt Ion:172 Resp: 249614
Ion Ratio Lower Upper
172 100
171 36.1 27.9 41.9
170 23.0 18.2 27.2





#52
Acenaphthene
Concen: 2.614 ng
RT: 14.546 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

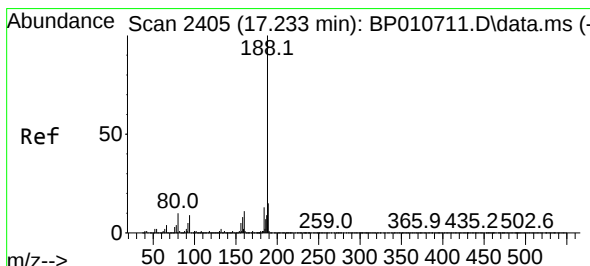
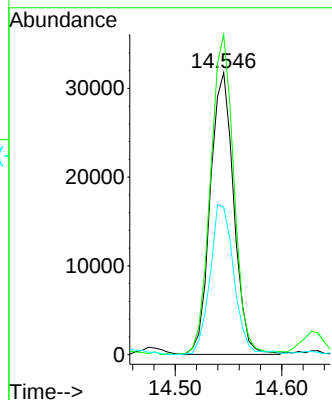
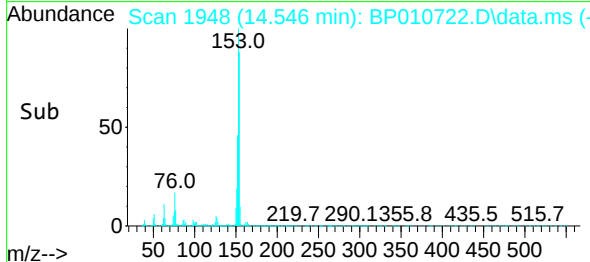
Instrument :
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TP-2



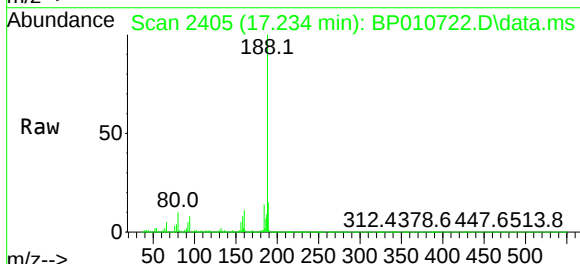
Tgt Ion:154 Resp: 4852
Ion Ratio Lower Upper
154 100
153 113.4 87.4 131.2
152 52.3 41.7 62.5

Manual Integrations
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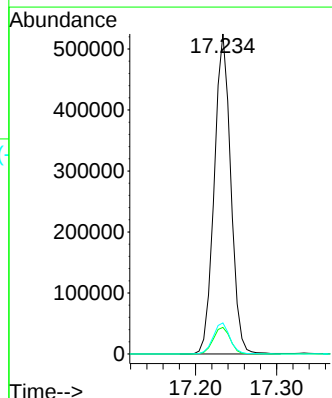
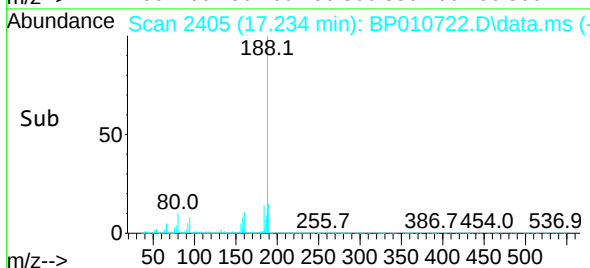
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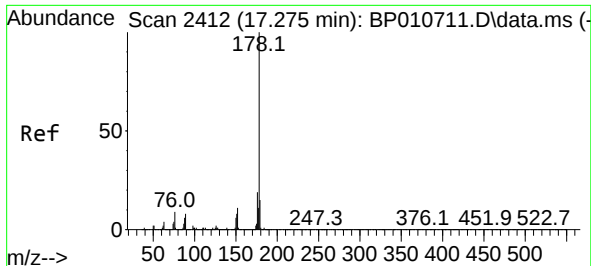


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06



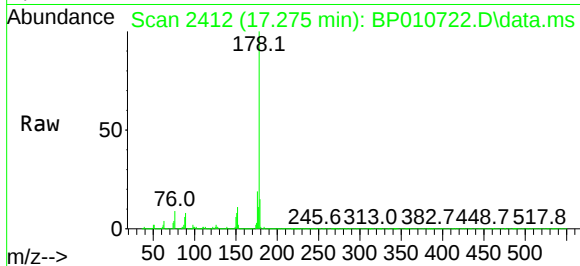
Tgt Ion:188 Resp: 741908
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.7 8.0 12.0





#71
Phenanthrene
Concen: 33.321 ng
RT: 17.275 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

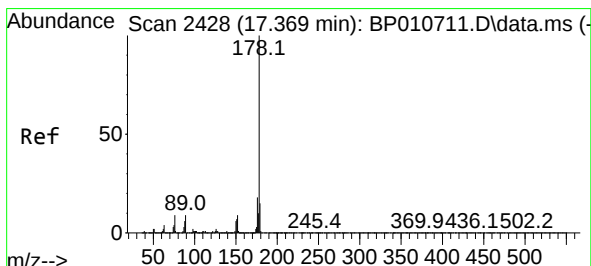
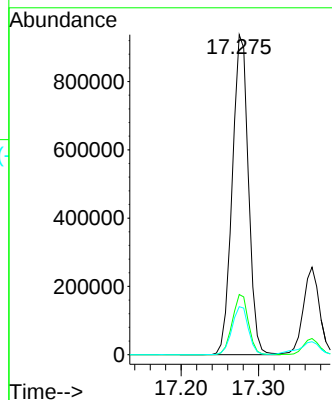
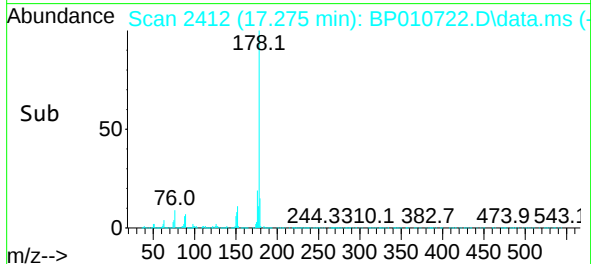
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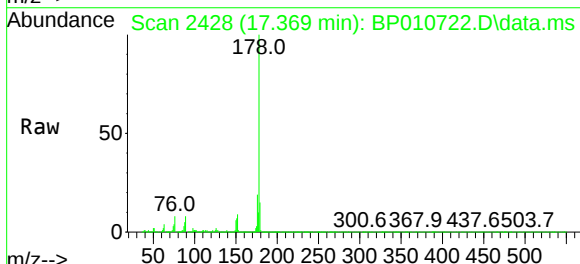
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Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.0 12.2 18.2

Manual Integrations
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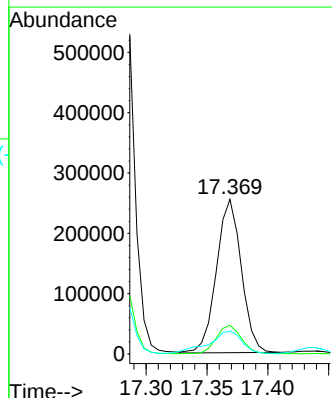
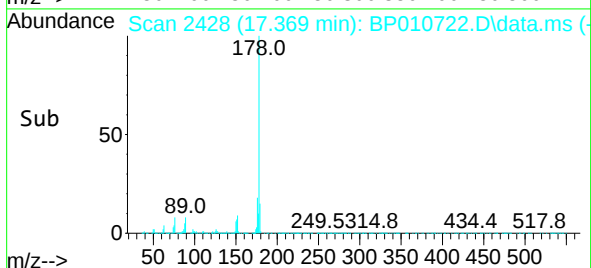
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Supervised By :Jagrut Upadhyay 06/09/2022

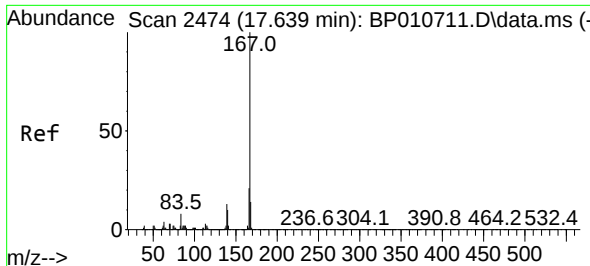


#72
Anthracene
Concen: 9.180 ng
RT: 17.369 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06



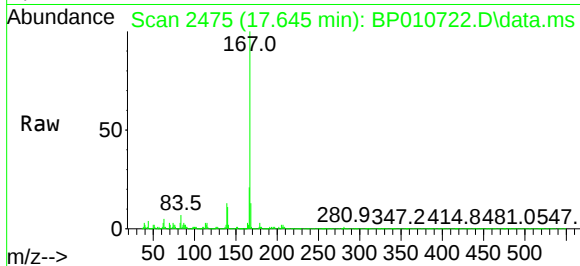
Tgt Ion:178 Resp: 362092
Ion Ratio Lower Upper
178 100
176 18.5 14.5 21.7
179 14.9 12.2 18.4





#73
 Carbazole
 Concen: 3.286 ng
 RT: 17.645 min Scan# 2475
 Delta R.T. 0.006 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

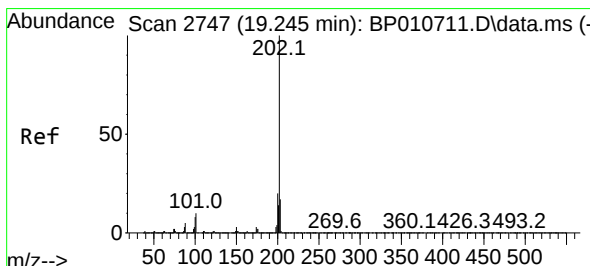
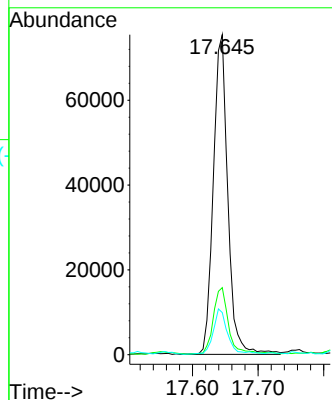
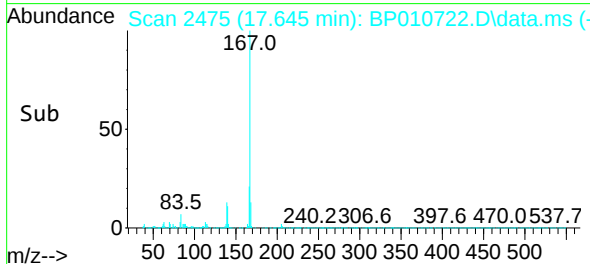
Instrument :
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Tgt Ion:167 Resp: 115689
 Ion Ratio Lower Upper
 167 100
 166 21.0 16.9 25.3
 139 13.1 10.6 15.8

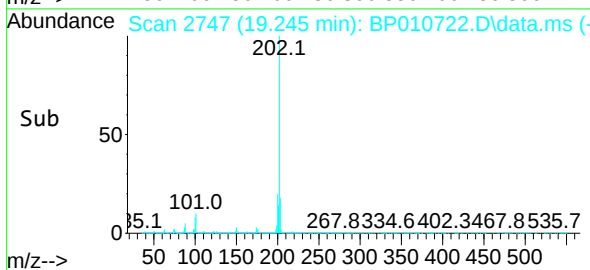
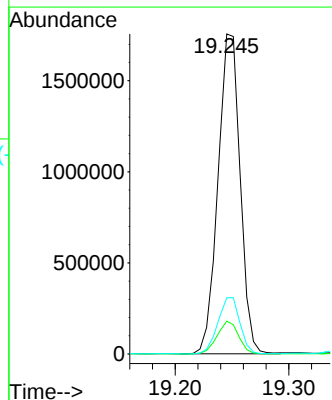
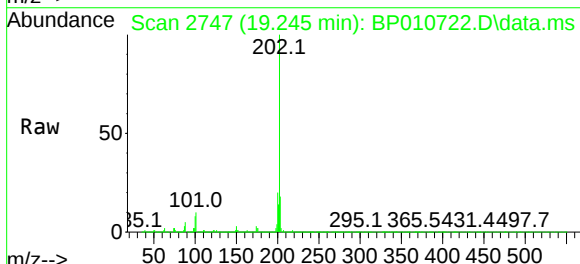
Manual Integrations
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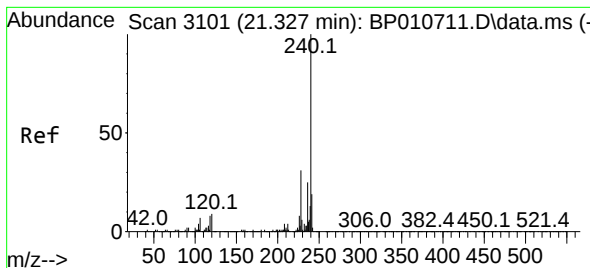
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022



#75
 Fluoranthene
 Concen: 49.380 ng
 RT: 19.245 min Scan# 2747
 Delta R.T. 0.000 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

Tgt Ion:202 Resp: 2383874
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.6
 203 17.5 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.328 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

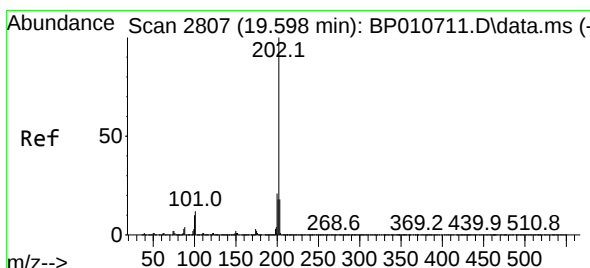
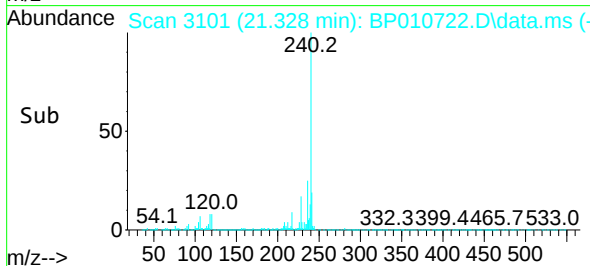
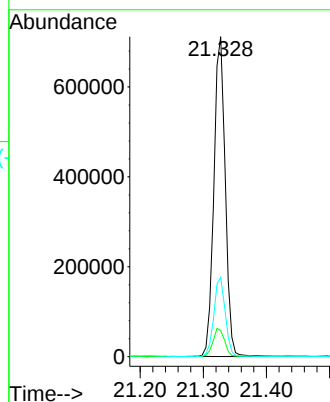
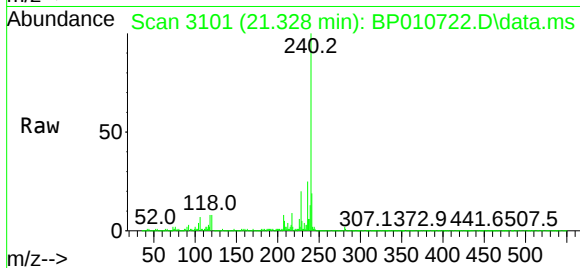
TP-2

Tgt Ion:240 Resp: 891080
 Ion Ratio Lower Upper
 240 100
 120 8.2 8.6 12.8
 236 24.8 19.8 29.6

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022



#78

Pyrene

Concen: 34.998 ng

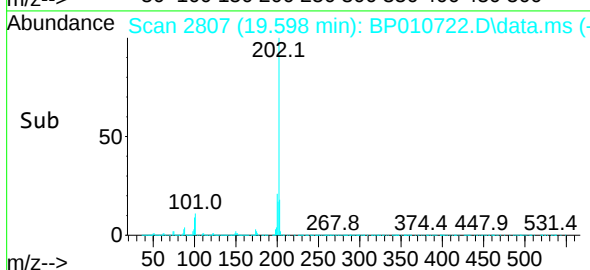
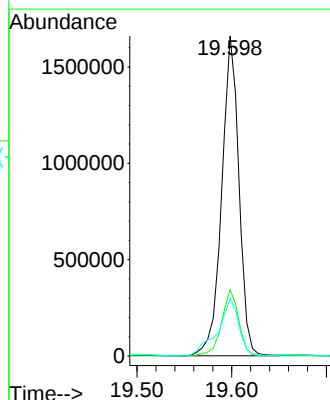
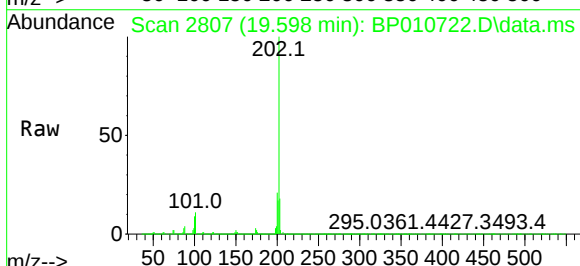
RT: 19.598 min Scan# 2807

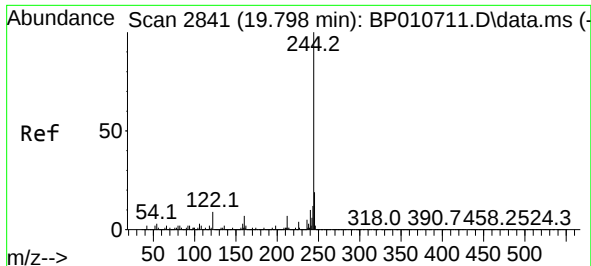
Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Tgt Ion:202 Resp: 2103993
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 18.0 14.2 21.4





#79
 Terphenyl-d14
 Concen: 9.500 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

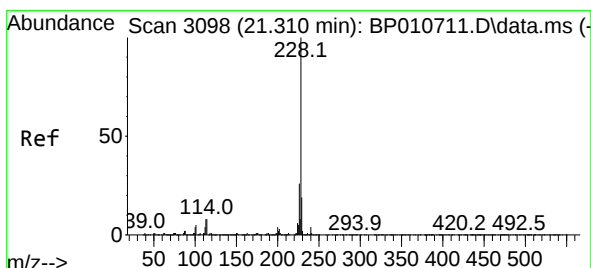
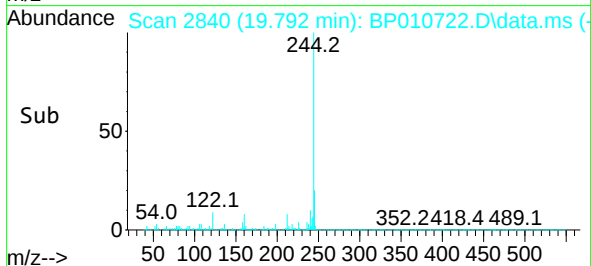
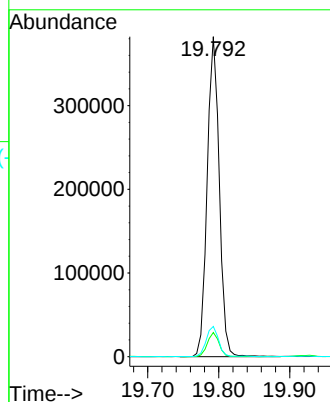
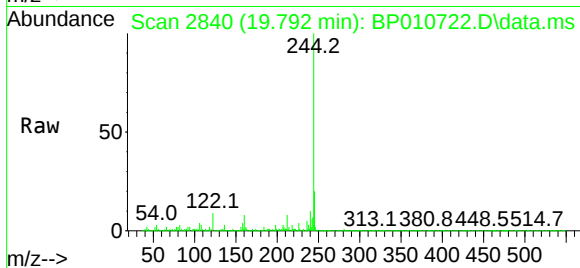
TP-2

Tgt Ion:244 Resp: 452708
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 9.5 7.6 11.4

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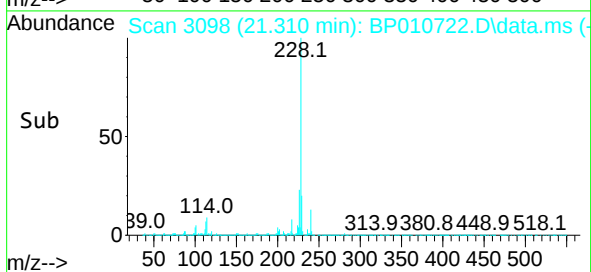
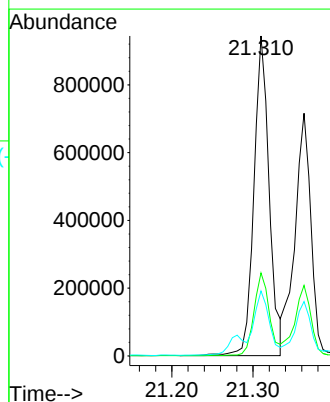
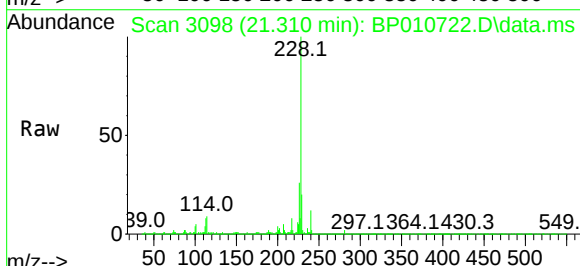
APPROVED

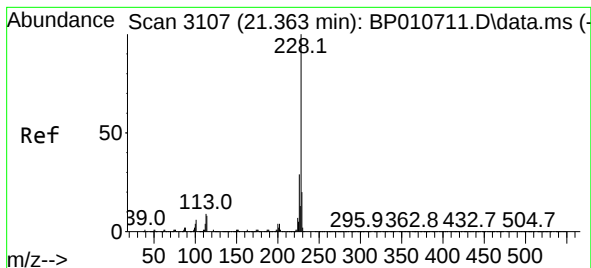
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022



#81
 Benzo(a)anthracene
 Concen: 20.846 ng
 RT: 21.310 min Scan# 3098
 Delta R.T. 0.000 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

Tgt Ion:228 Resp: 1234974
 Ion Ratio Lower Upper
 228 100
 226 25.9 20.8 31.2
 229 20.3 15.2 22.8





#83

Chrysene

Concen: 17.324 ng

RT: 21.363 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

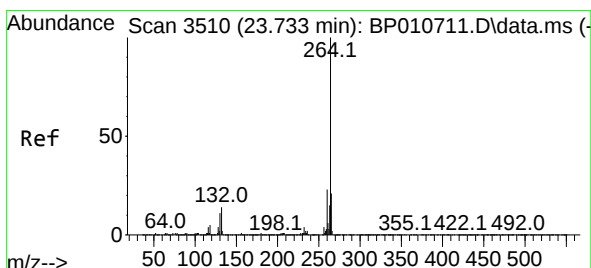
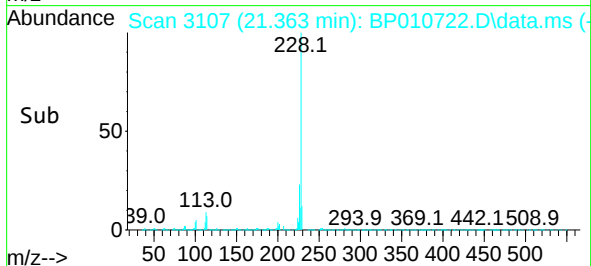
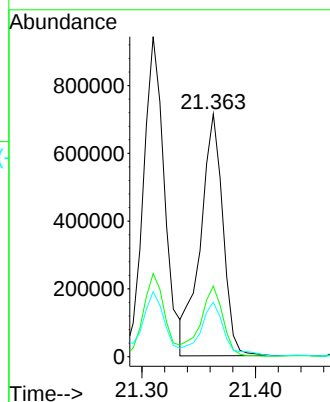
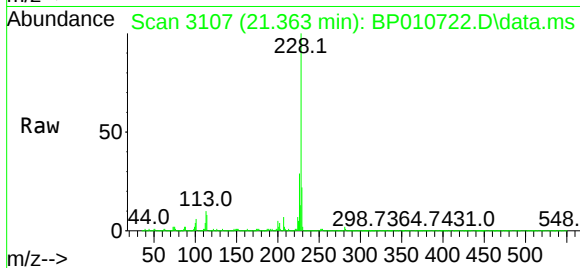
TP-2

Tgt Ion:228	Resp: 980030
Ion Ratio	Lower Upper
228 100	
226 29.1	23.4 35.2
229 22.4	15.7 23.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#86

Perylene-d12

Concen: 20.000 ng

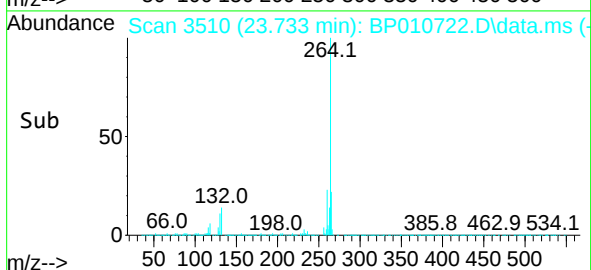
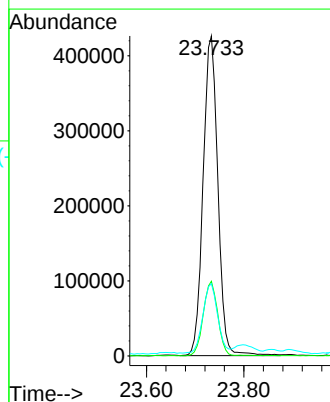
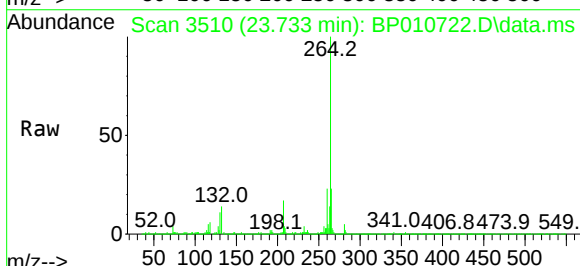
RT: 23.733 min Scan# 3510

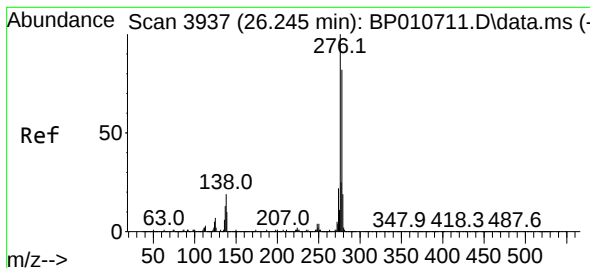
Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Tgt Ion:264	Resp: 893137
Ion Ratio	Lower Upper
264 100	
260 23.4	19.3 28.9
265 22.6	18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.619 ng

RT: 26.233 min Scan# 3935

Delta R.T. -0.012 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

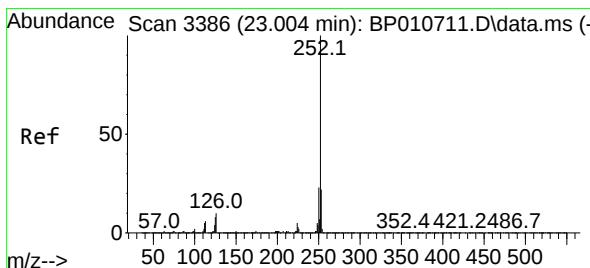
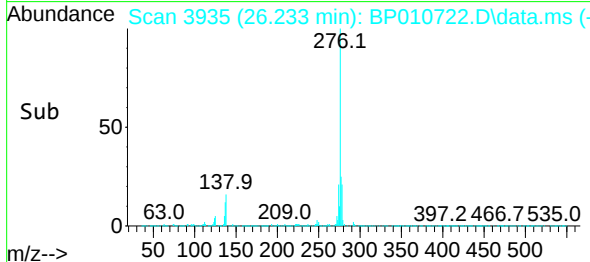
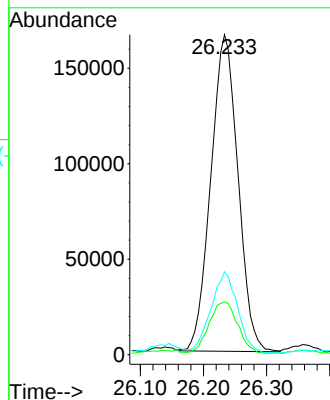
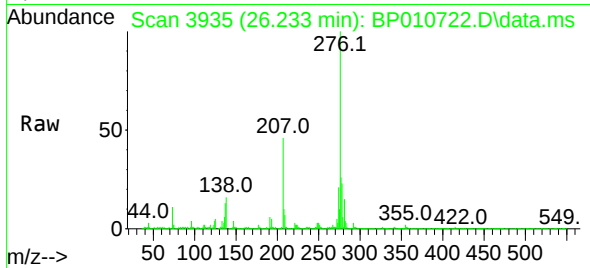
Tgt Ion:	276	Resp:	495149
Ion Ratio	Lower	Upper	
276	100		
138	17.2	17.5	26.3
277	25.2	20.2	30.4

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022



#88

Benzo(b)fluoranthene

Concen: 22.579 ng

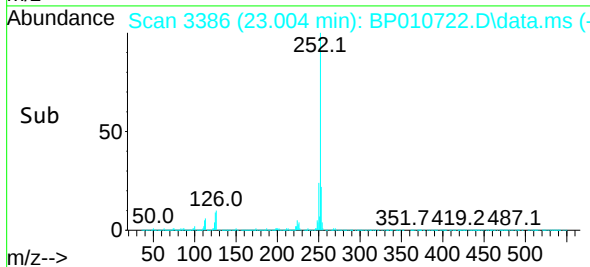
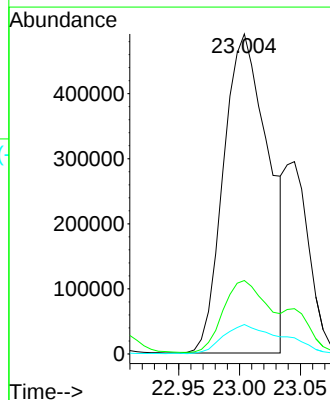
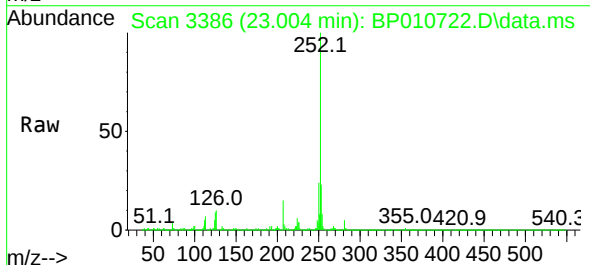
RT: 23.004 min Scan# 3386

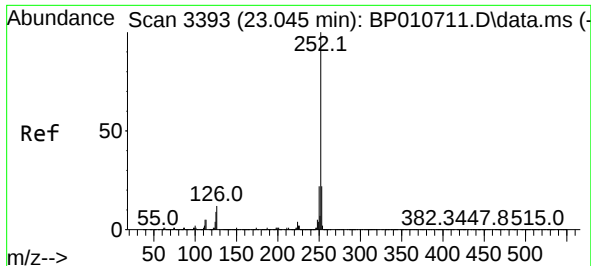
Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

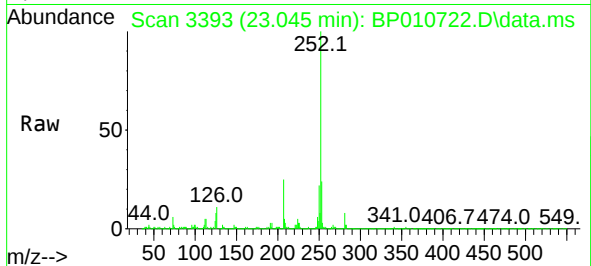
Tgt Ion:	252	Resp:	1258399
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	9.2	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 7.241 ng m
RT: 23.045 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

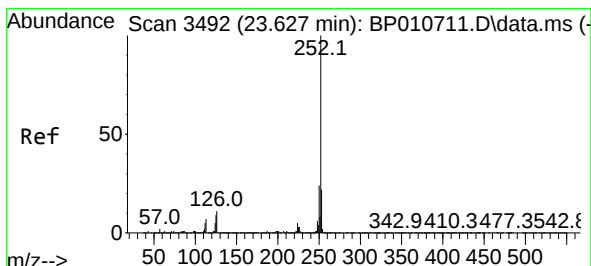
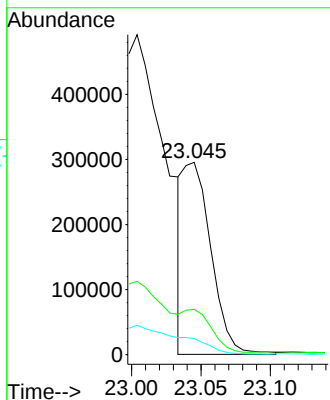
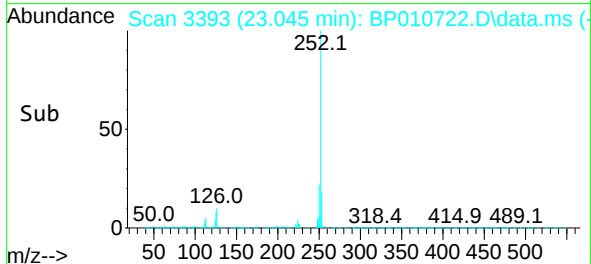
Instrument :
BNA_P
ClientSampleId :
TP-2



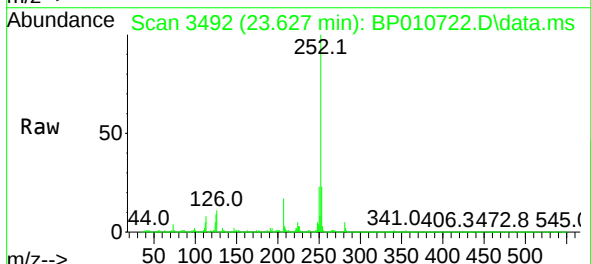
Tgt Ion:252 Resp: 41132
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 8.4 7.0 10.4

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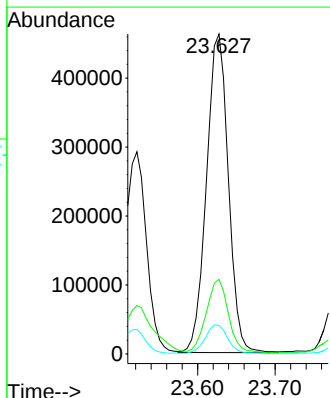
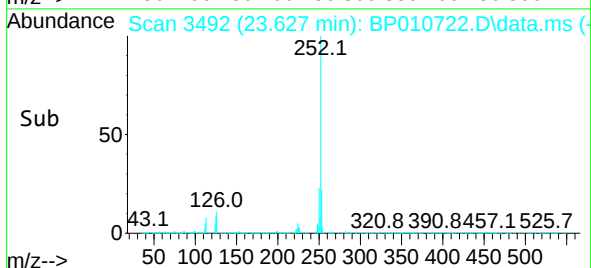
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

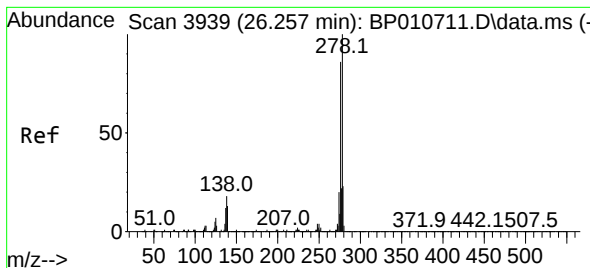


#90
Benzo(a)pyrene
Concen: 19.413 ng
RT: 23.627 min Scan# 3492
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06



Tgt Ion:252 Resp: 905742
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 8.9 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 2.558 ng

RT: 26.233 min Scan# 3939

Delta R.T. -0.023 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

Tgt Ion:278 Resp: 139040

Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0

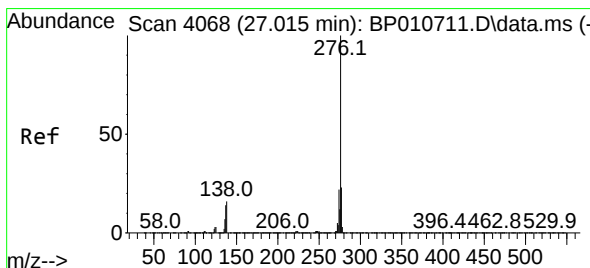
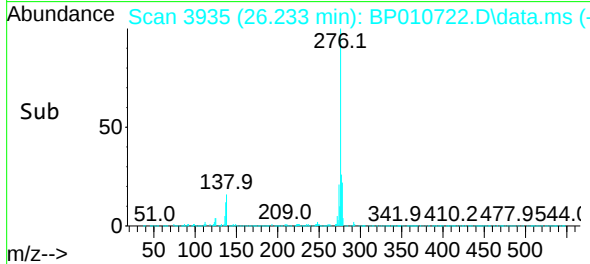
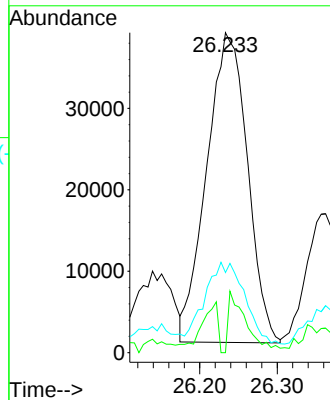
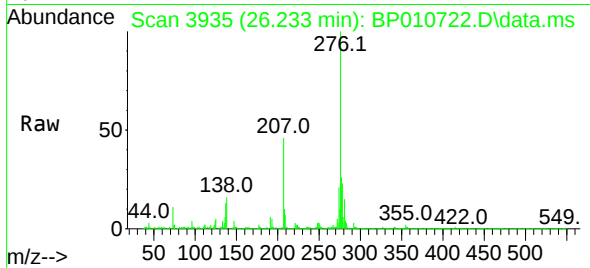
279 25.0 19.2 28.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022



#92

Benzo(g,h,i)perylene

Concen: 8.333 ng

RT: 26.998 min Scan# 4065

Delta R.T. -0.018 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Tgt Ion:276 Resp: 448983

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 16.7 15.2 22.8

