

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039166.D
 Acq On : 27 Mar 2023 18:38
 Operator : CG/JU
 Sample : 02021-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/28/2023
 Supervised By : Jagrut Upadhyay 03/28/2023

Quant Time: Mar 28 01:51:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	265579	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1062989	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	605576	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1217899	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1133995	20.000	ng	0.00
86) Perylene-d12	23.938	264	1327988	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1376173	78.726	ng	0.00
7) Phenol-d6	7.110	99	1784216	78.581	ng	0.00
23) Nitrobenzene-d5	9.110	82	1070968	49.490	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	566808	80.908	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	2152296	46.268	ng	0.00
79) Terphenyl-d14	19.950	244	2988084	48.177	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.651	154	95216	2.514	ng	99
71) Phenanthrene	17.374	178	2455466	34.352	ng	99
72) Anthracene	17.462	178	590510	8.284	ng	99
74) Di-n-butylphthalate	18.298	149	39325	2.276	ng	# 95
75) Fluoranthene	19.392	202	6503439	86.171	ng	98
78) Pyrene	19.756	202	6860863	80.553	ng	99
80) Butylbenzylphthalate	20.645	149	11538	3.612	ng	# 89
81) Benzo(a)anthracene	21.497	228	3389848	41.509	ng	97
83) Chrysene	21.550	228	3178859	40.023	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	93774	4.183	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.462	276	2394507	23.696	ng	96
88) Benzo(b)fluoranthene	23.203	252	4617359m	54.424	ng	
89) Benzo(k)fluoranthene	23.244	252	1257620m	14.244	ng	
90) Benzo(a)pyrene	23.838	252	3510733	42.996	ng	98
91) Dibenzo(a,h)anthracene	26.474	278	588911	6.882	ng	# 78
92) Benzo(g,h,i)perylene	27.244	276	2457089	29.347	ng	99

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

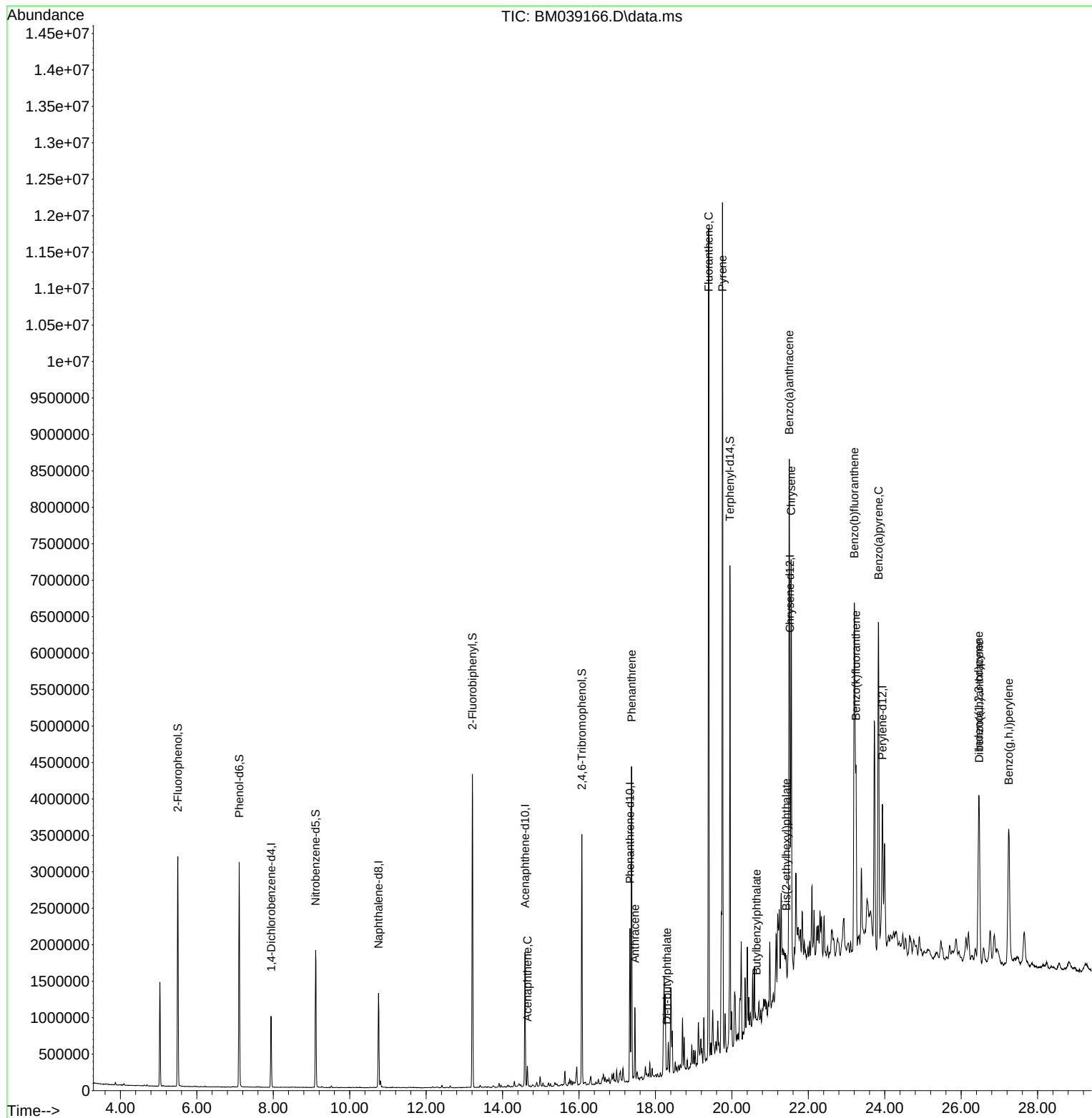
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
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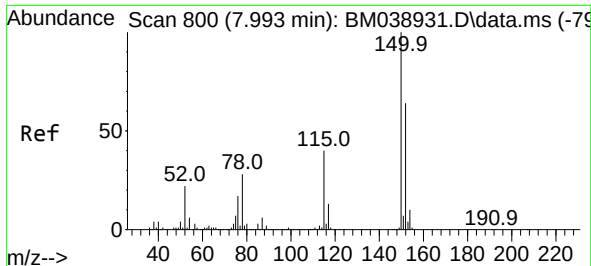
Instrument :
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Quant Time: Mar 28 01:51:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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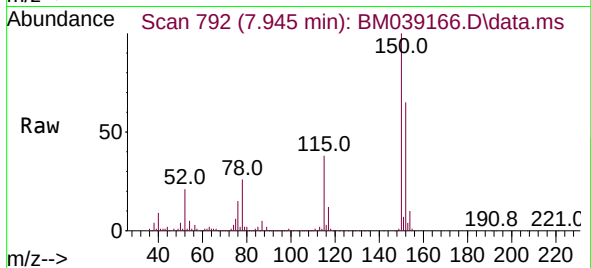
Reviewed By : Christian Giraldo 03/28/2023
Supervised By : Jagrut Upadhyay 03/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

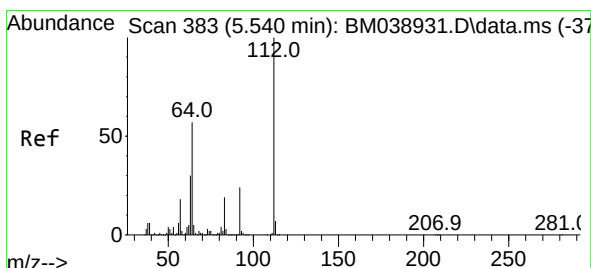
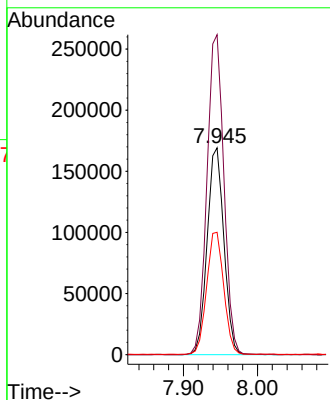
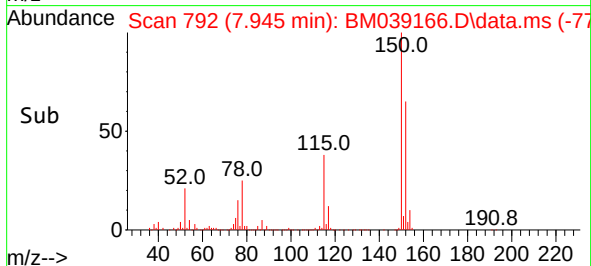
Instrument :
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ClientSampleId :
JPP-46A-032023



Tgt Ion:152 Resp: 265579
Ion Ratio Lower Upper
152 100
150 154.7 125.1 187.7
115 59.2 49.6 74.4

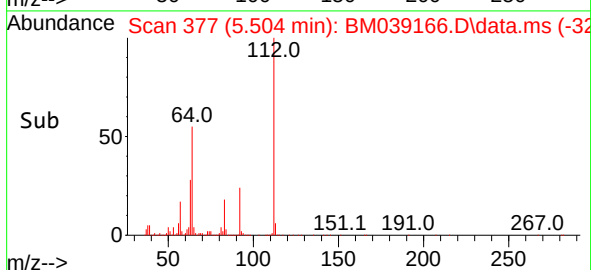
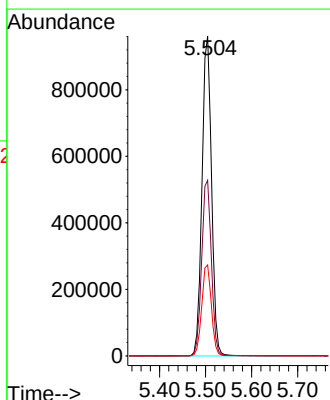
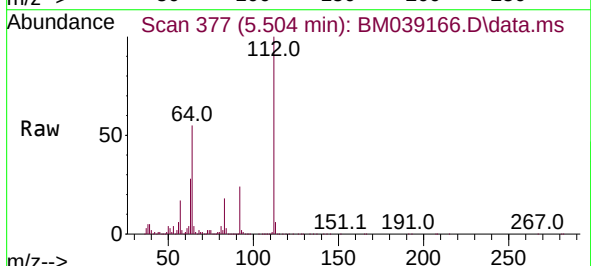
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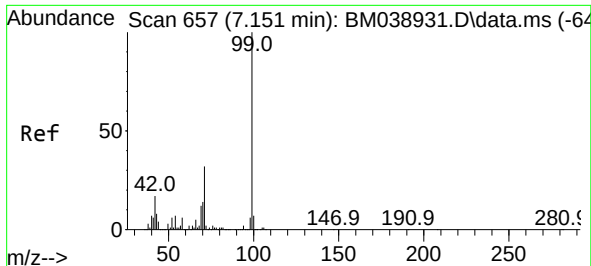
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#5
2-Fluorophenol
Concen: 78.726 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

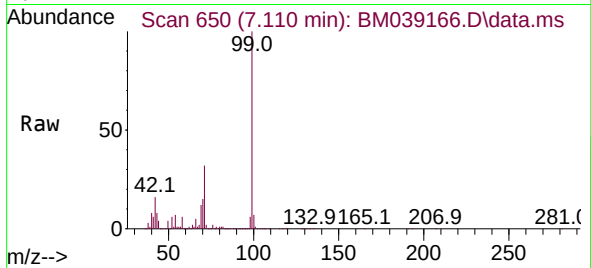
Tgt Ion:112 Resp: 1376173
Ion Ratio Lower Upper
112 100
64 54.9 45.9 68.9
63 28.4 23.8 35.8





#7
Phenol-d6
Concen: 78.581 ng
RT: 7.110 min Scan# 657
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

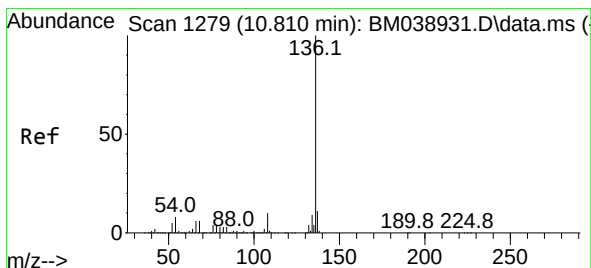
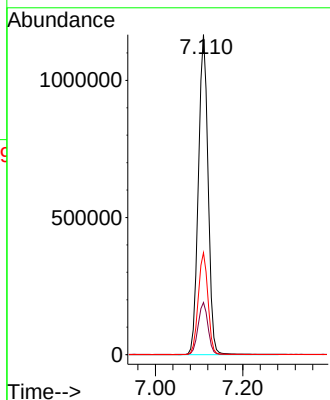
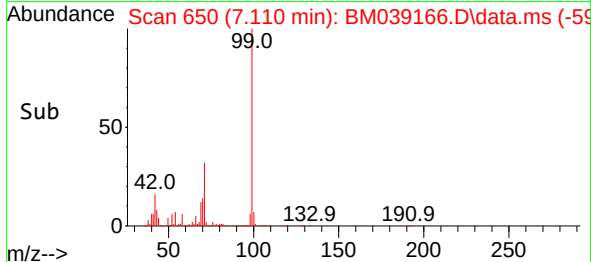
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ClientSampleId :
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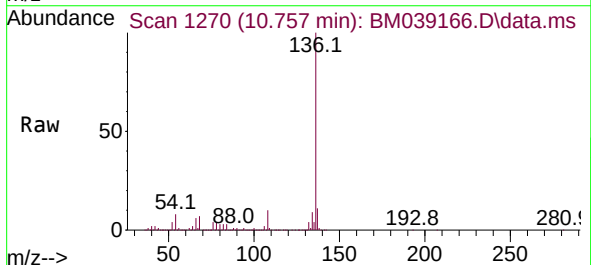
Tgt Ion: 99 Resp: 1784216
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 31.8 25.6 38.4

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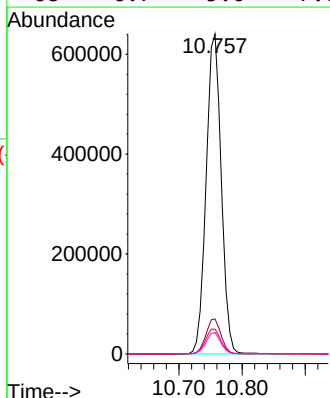
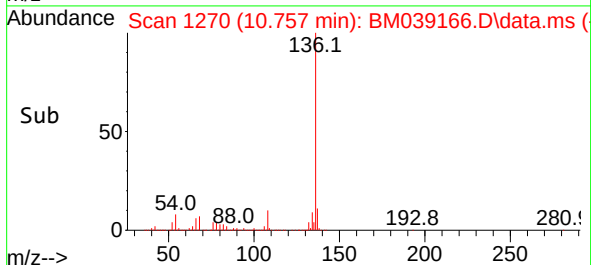
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

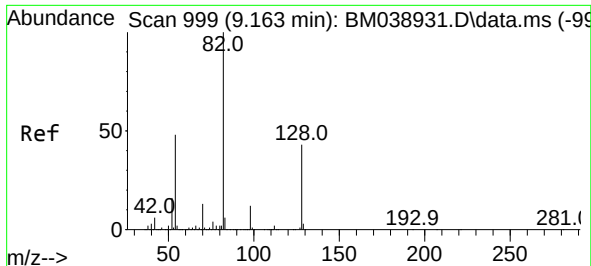


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38



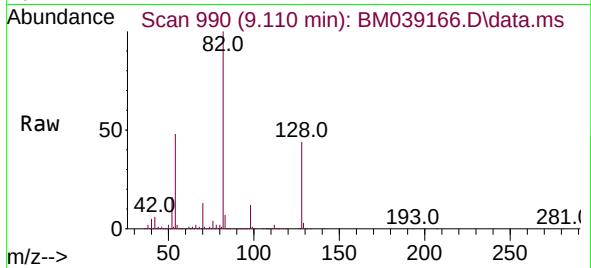
Tgt Ion:136 Resp: 1062989
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.7 6.3 9.5
68 6.7 5.0 7.6





#23
Nitrobenzene-d5
Concen: 49.490 ng
RT: 9.110 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

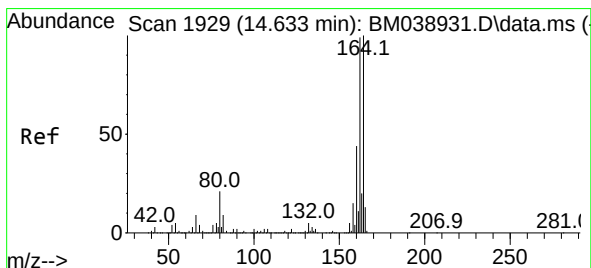
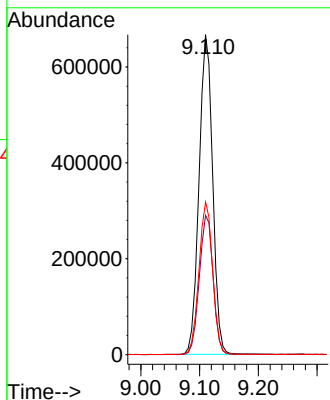
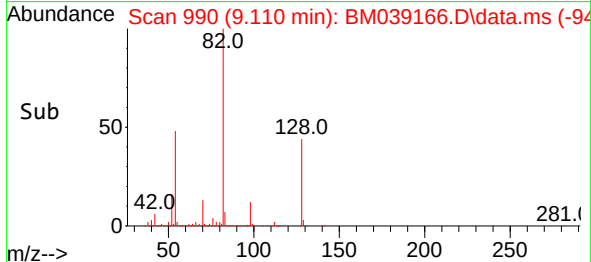
Instrument :
BNA_M
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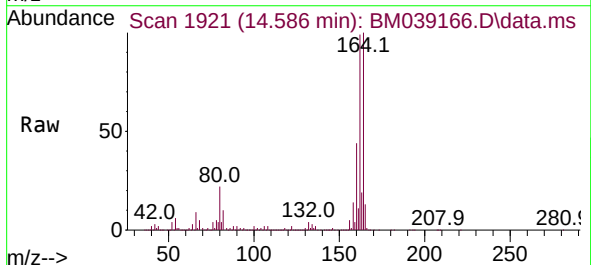
Tgt Ion: 82 Resp: 1070968
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 47.7 38.8 58.2

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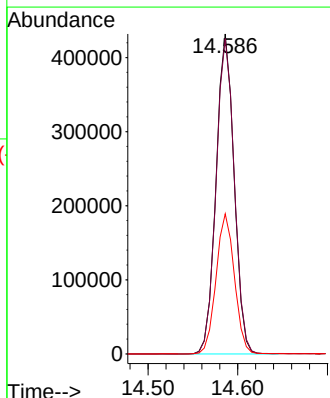
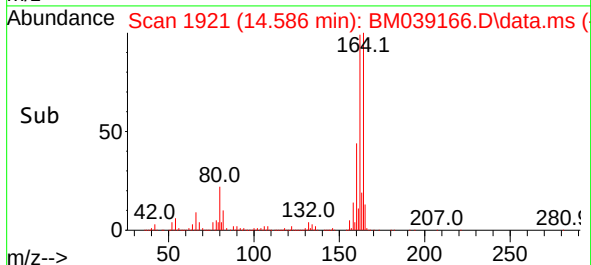
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

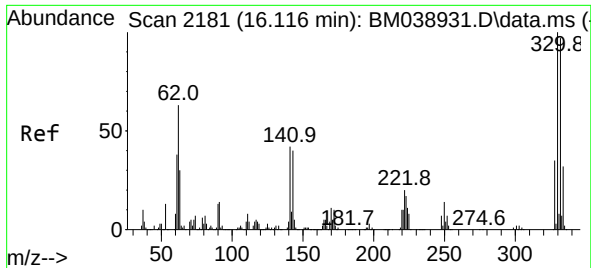


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38



Tgt Ion:164 Resp: 605576
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 43.8 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 80.908 ng
RT: 16.074 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

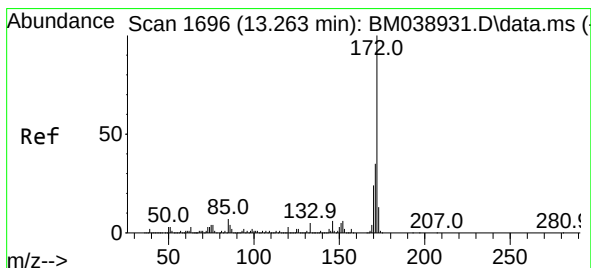
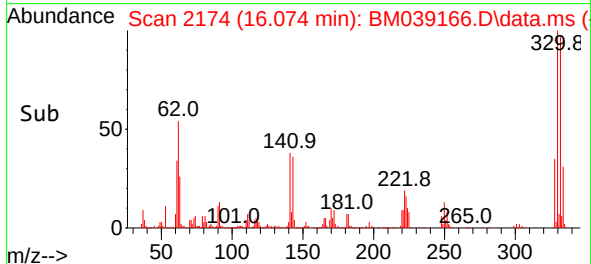
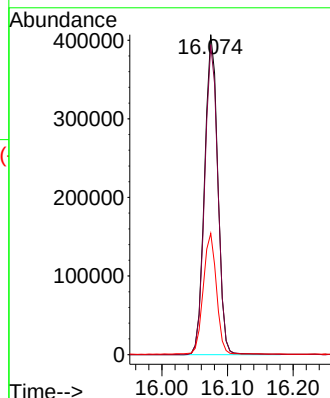
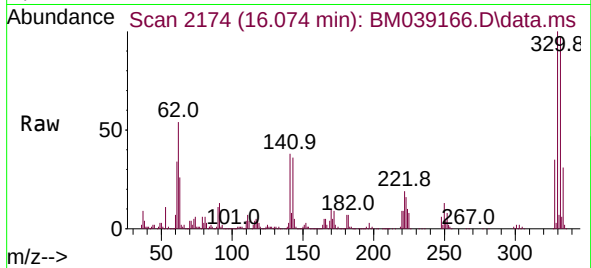
JPP-46A-032023

Tgt Ion:330 Resp: 566808
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 37.8 32.2 48.4

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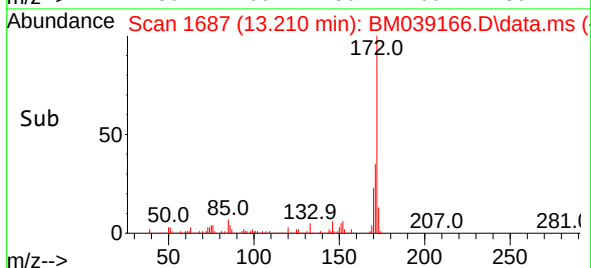
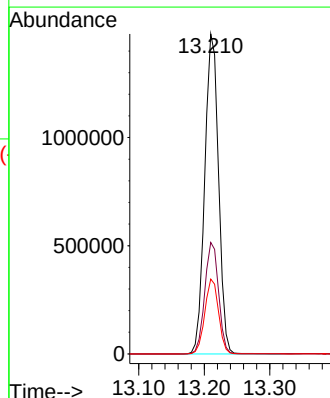
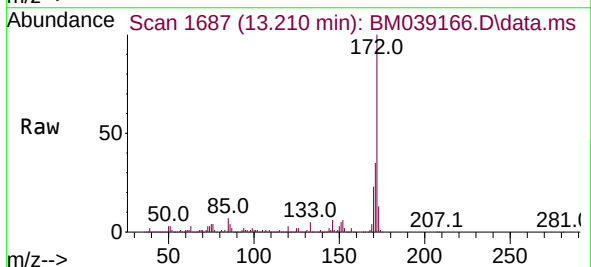
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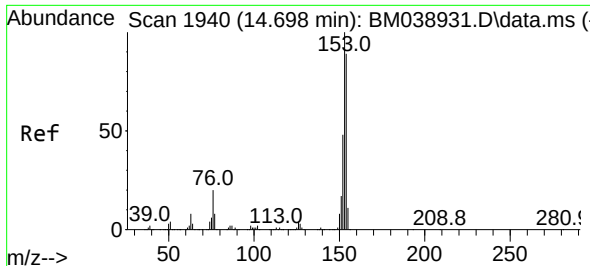
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#45
2-Fluorobiphenyl
Concen: 46.268 ng
RT: 13.210 min Scan# 1687
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

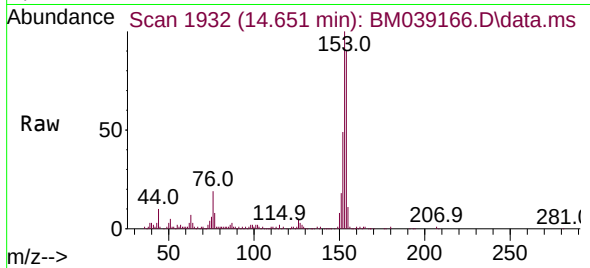
Tgt Ion:172 Resp: 2152296
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.4 19.1 28.7





#52
Acenaphthene
Concen: 2.514 ng
RT: 14.651 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

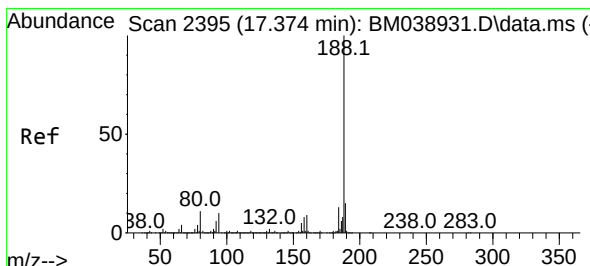
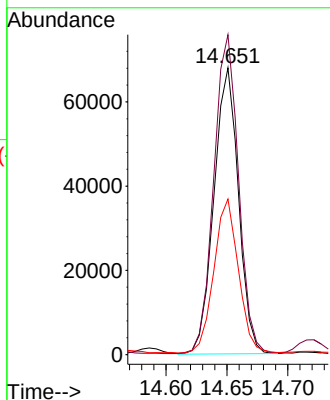
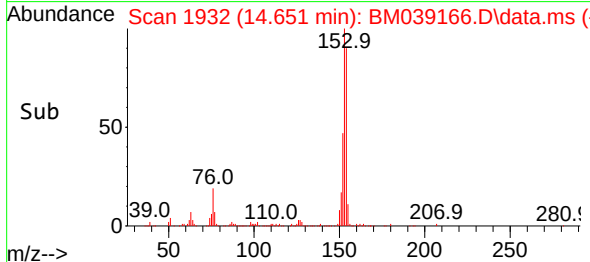
Instrument :
BNA_M
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JPP-46A-032023



Tgt Ion:154 Resp: 95216
Ion Ratio Lower Upper
154 100
153 111.6 90.2 135.2
152 54.3 43.4 65.2

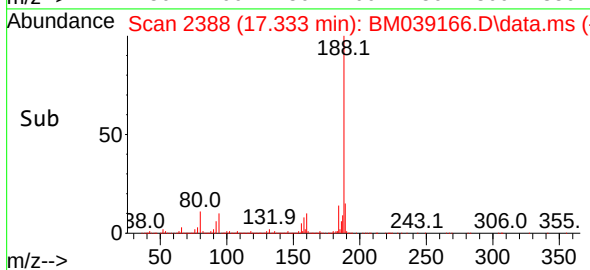
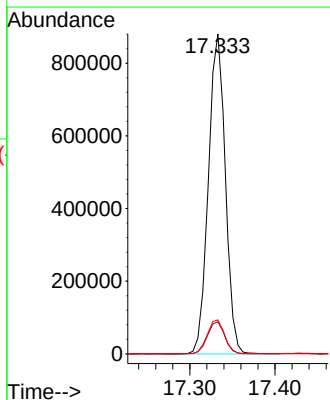
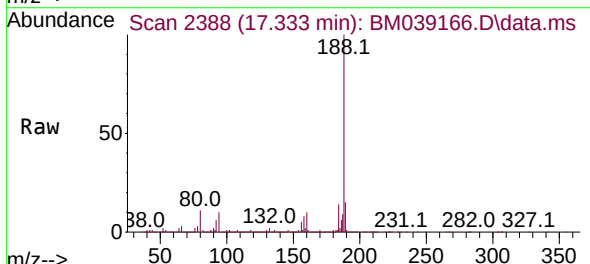
Manual Integrations
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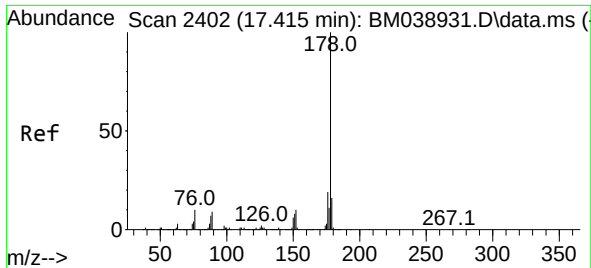
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2388
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:188 Resp: 1217899
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.6 8.5 12.7





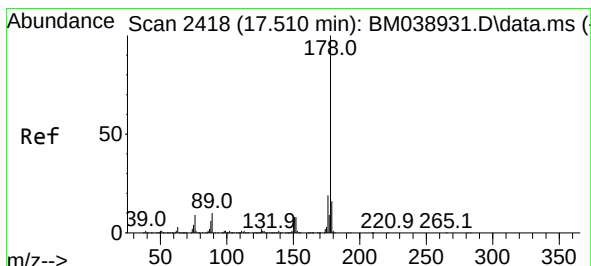
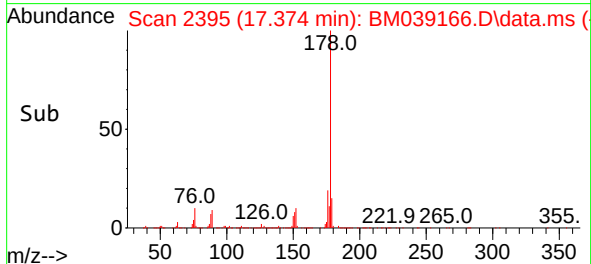
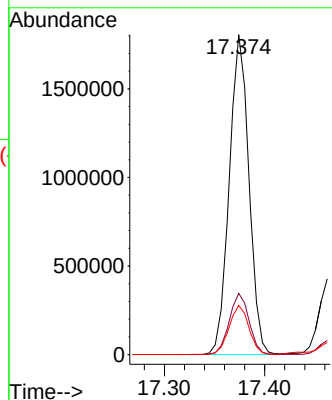
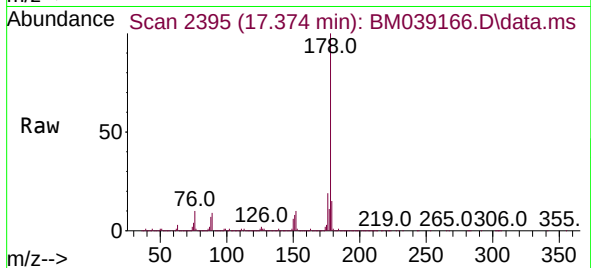
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Phenanthrene
Concen: 34.352 ng
RT: 17.374 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Tgt Ion:178 Resp: 2455466
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.4 12.5 18.7

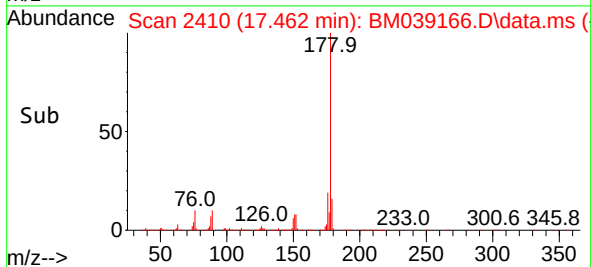
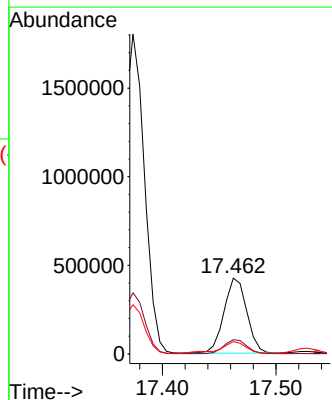
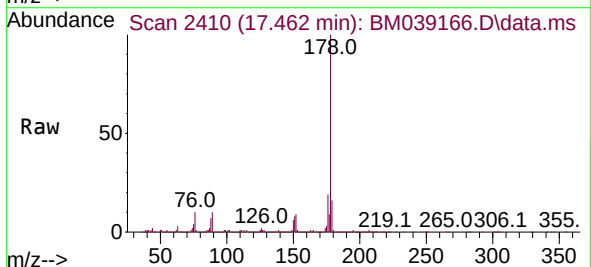
Manual Integrations
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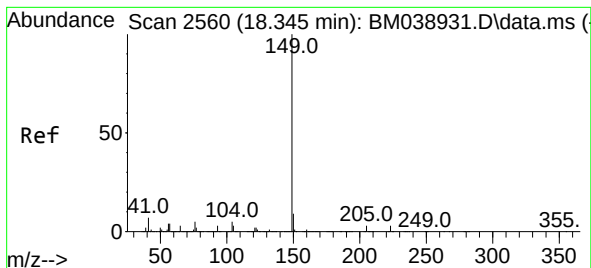
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#72
Anthracene
Concen: 8.284 ng
RT: 17.462 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

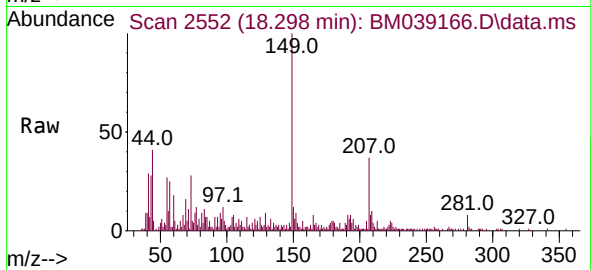
Tgt Ion:178 Resp: 590510
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 16.1 12.5 18.7





#74
Di-n-butylphthalate
Concen: 2.276 ng
RT: 18.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

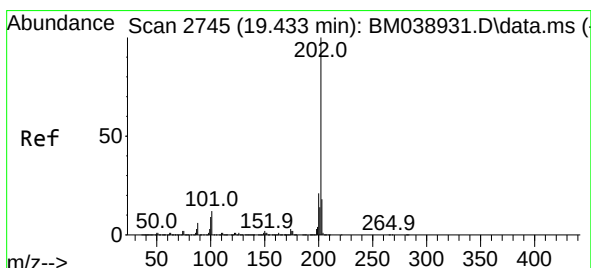
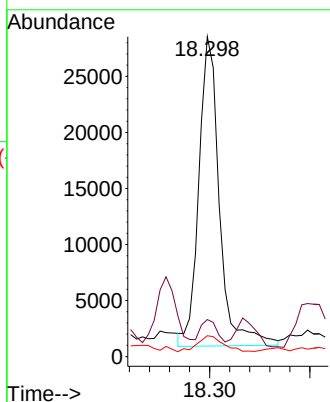
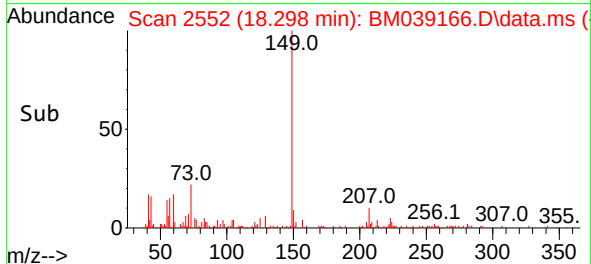
Instrument :
BNA_M
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Tgt Ion:149 Resp: 39325
Ion Ratio Lower Upper
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150 11.6 7.4 11.2
104 6.5 4.3 6.5

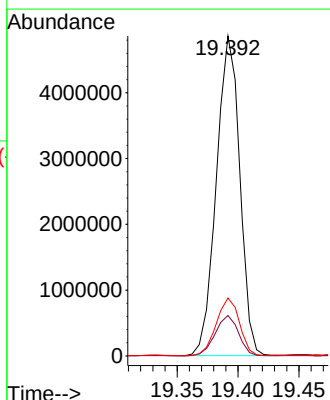
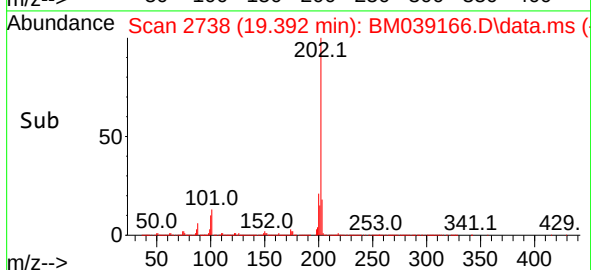
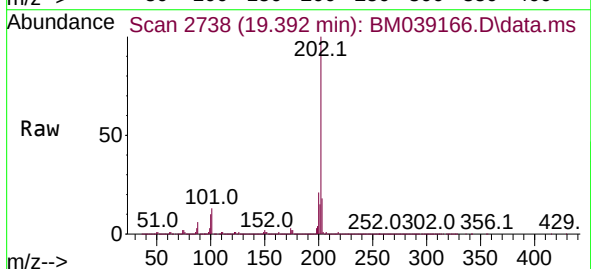
Manual Integrations
APPROVED

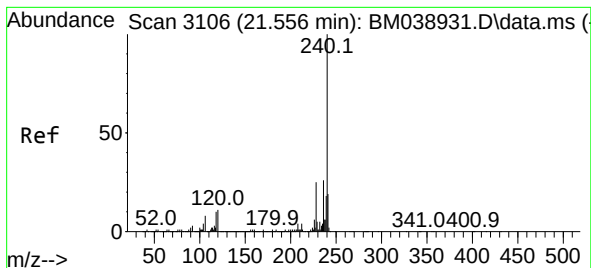
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#75
Fluoranthene
Concen: 86.171 ng
RT: 19.392 min Scan# 2738
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:202 Resp: 6503439
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.7
203 18.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 30

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

Tgt Ion:240 Resp: 1133995

Ion Ratio Lower Upper

240 100

120 12.4 9.2 13.8

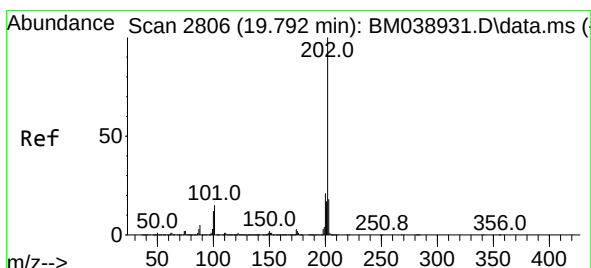
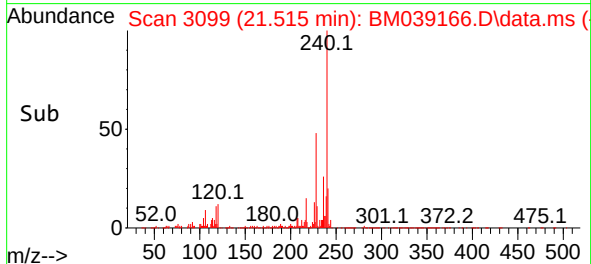
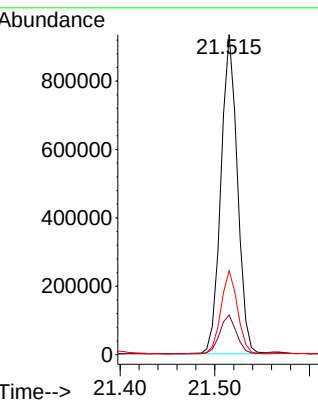
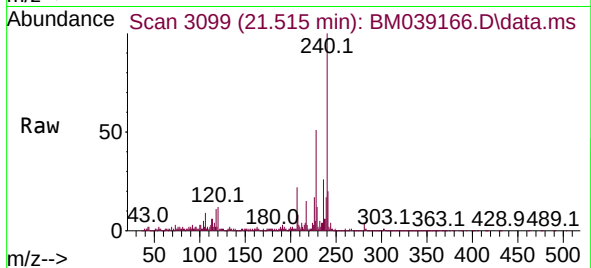
236 26.2 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#78

Pyrene

Concen: 80.553 ng

RT: 19.756 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

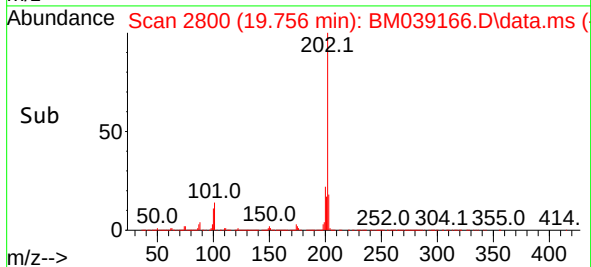
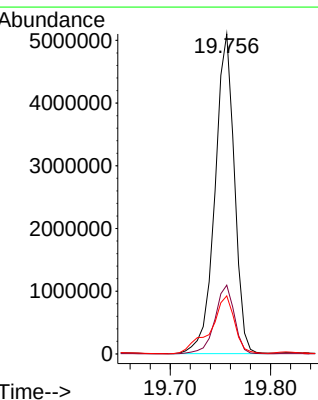
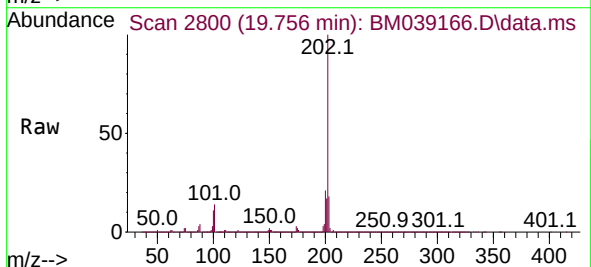
Tgt Ion:202 Resp: 6860863

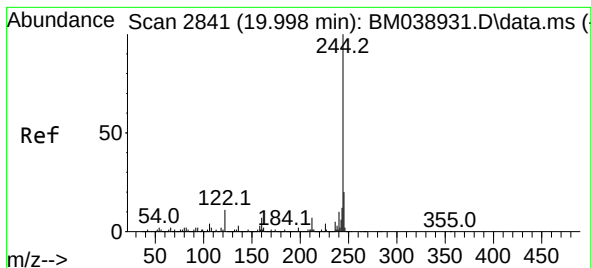
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 48.177 ng

RT: 19.950 min Scan# 2841

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

Tgt Ion:244 Resp: 2988084

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

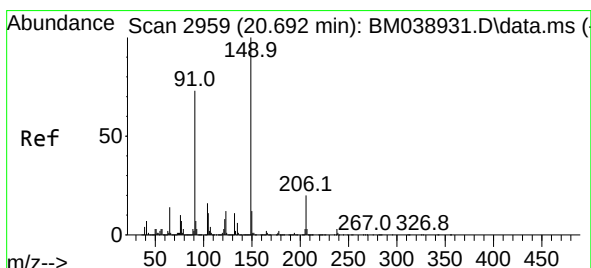
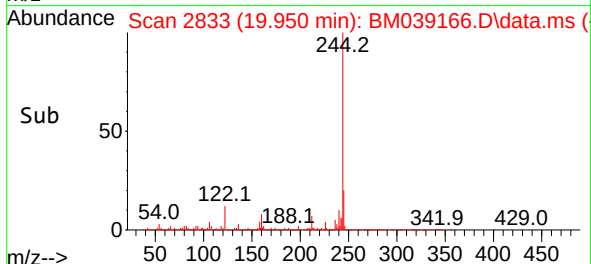
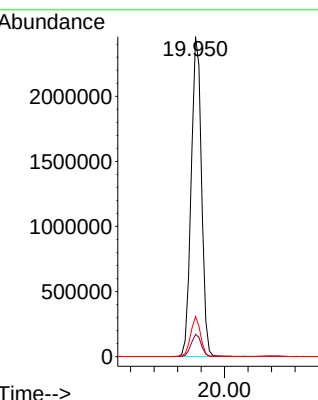
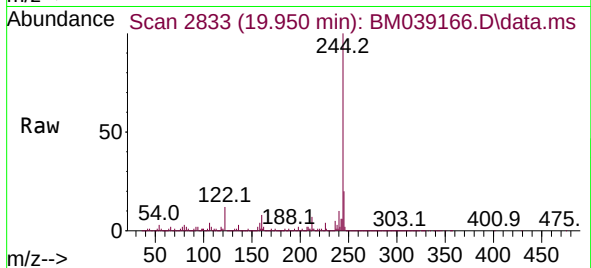
122 12.5 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#80

Butylbenzylphthalate

Concen: 3.612 ng

RT: 20.645 min Scan# 2951

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

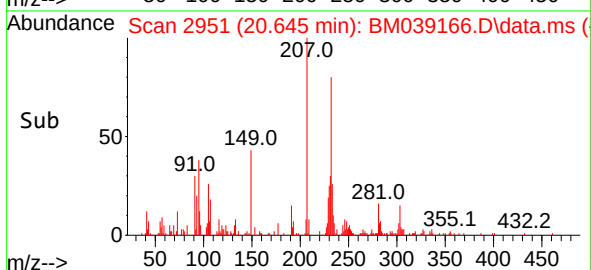
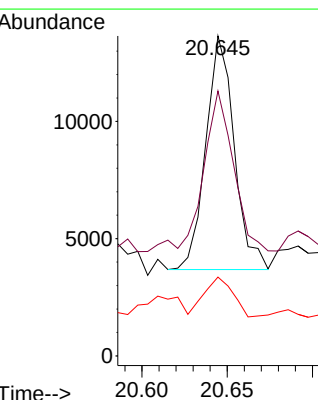
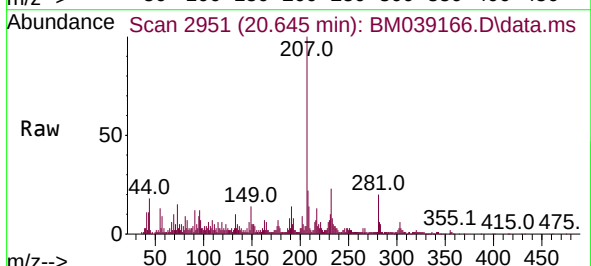
Tgt Ion:149 Resp: 11538

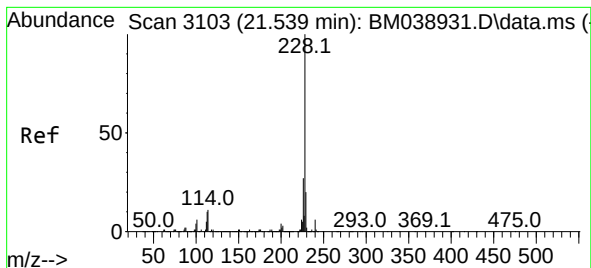
Ion Ratio Lower Upper

149 100

91 82.8 58.4 87.6

206 24.6 16.1 24.1#





#81

Benzo(a)anthracene

Concen: 41.509 ng

RT: 21.497 min Scan# 30

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

Tgt Ion:228 Resp: 3389848

Ion Ratio Lower Upper

228 100

226 28.0 21.4 32.2

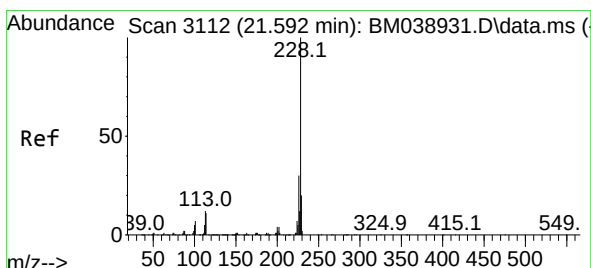
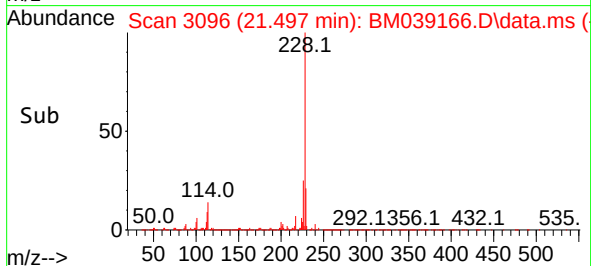
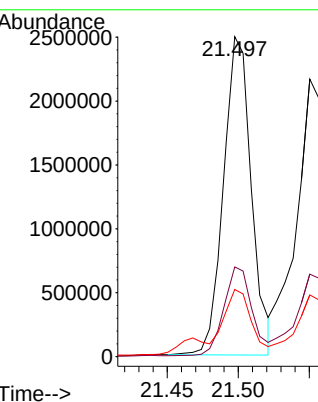
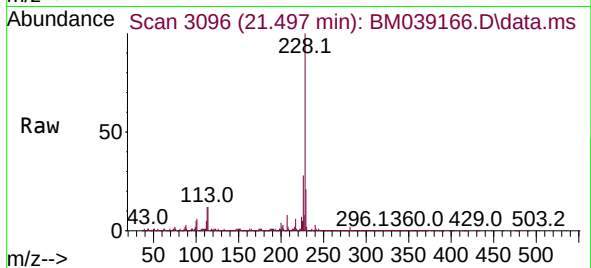
229 21.0 15.7 23.5

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#83

Chrysene

Concen: 40.023 ng

RT: 21.550 min Scan# 3105

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

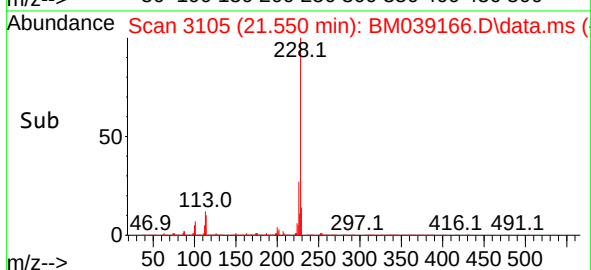
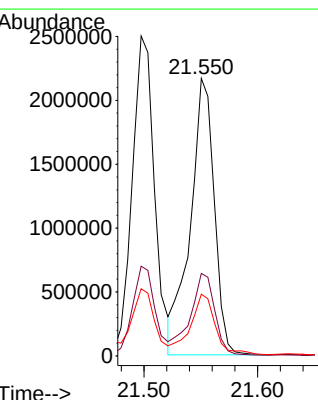
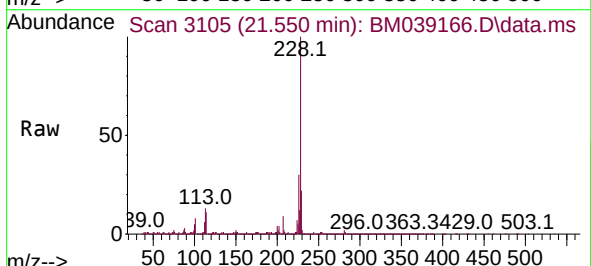
Tgt Ion:228 Resp: 3178859

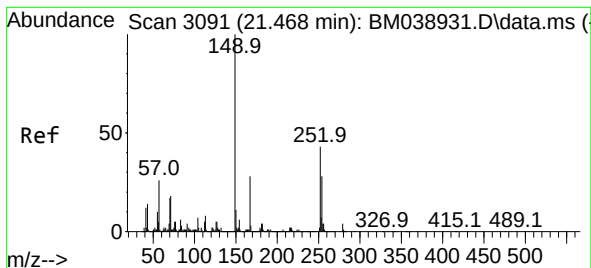
Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

229 22.2 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.183 ng

RT: 21.421 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

Tgt Ion:149 Resp: 93774

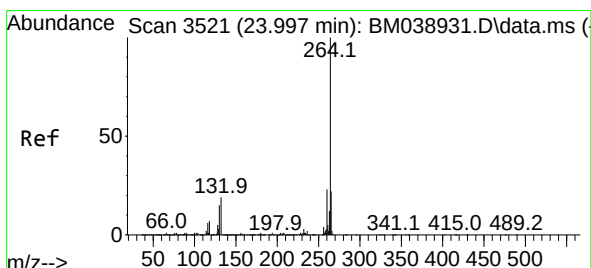
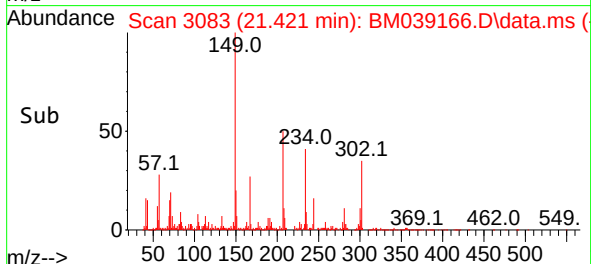
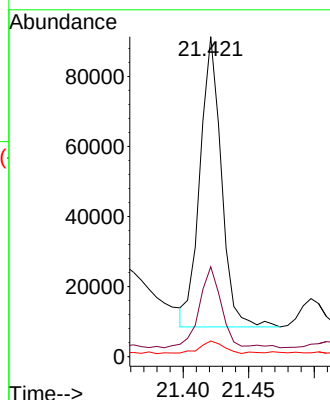
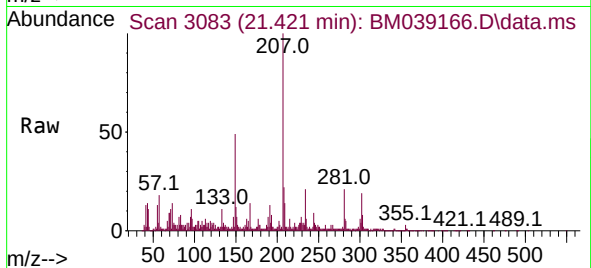
Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.9	3.2	4.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.938 min Scan# 3511

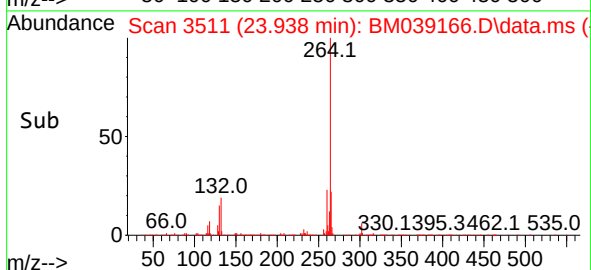
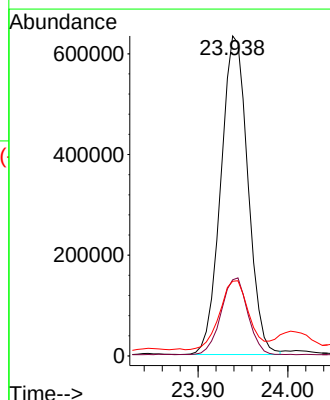
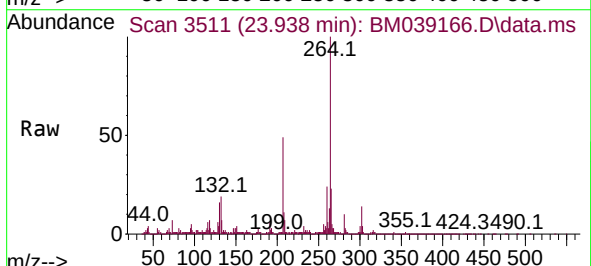
Delta R.T. -0.000 min

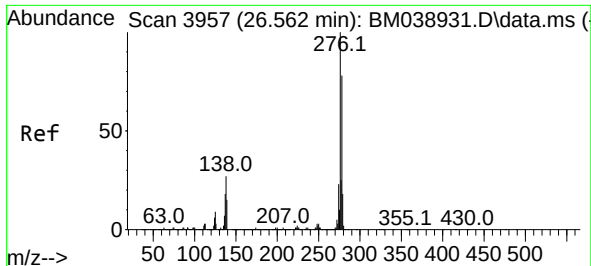
Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Tgt Ion:264 Resp: 1327988

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	23.3	17.9	26.9





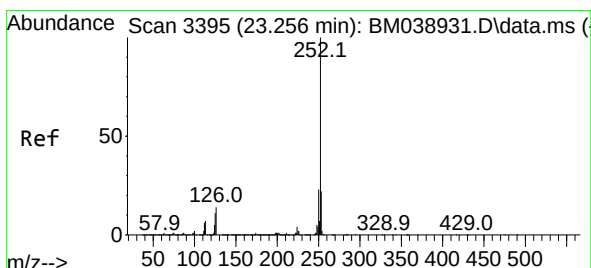
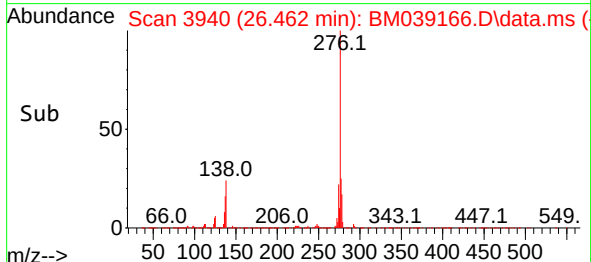
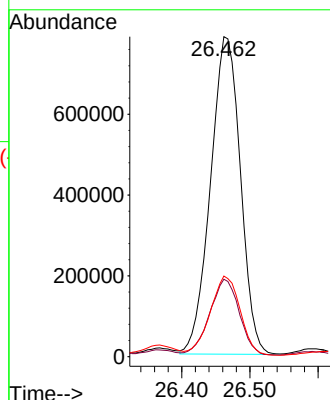
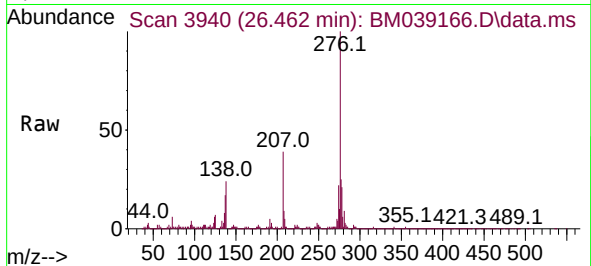
#87
Indeno(1,2,3-cd)pyrene
Concen: 23.696 ng
RT: 26.462 min Scan# 3957
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Tgt Ion:276 Resp: 2394507
Ion Ratio Lower Upper
276 100
138 23.6 22.1 33.1
277 24.9 20.1 30.1

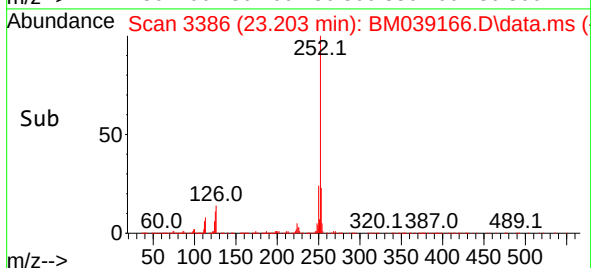
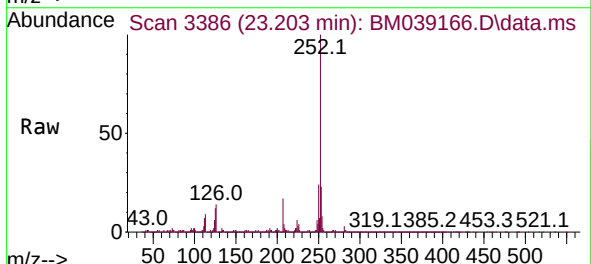
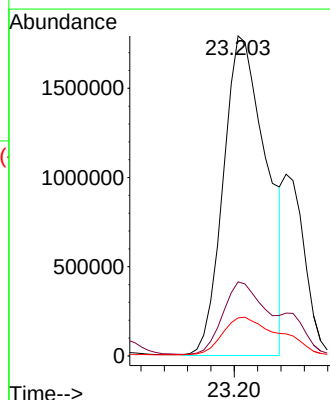
Manual Integrations
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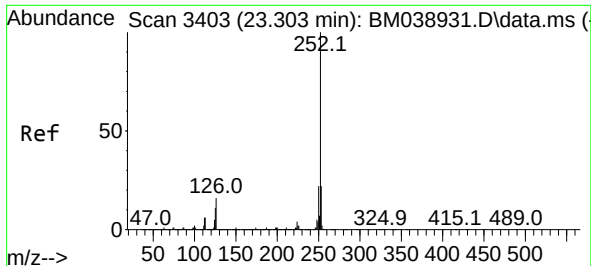
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#88
Benzo(b)fluoranthene
Concen: 54.424 ng m
RT: 23.203 min Scan# 3386
Delta R.T. 0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

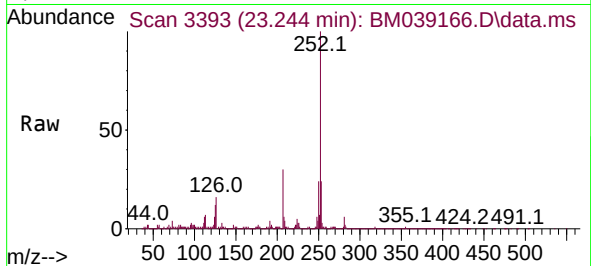
Tgt Ion:252 Resp: 4617359
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.9 8.8 13.2





#89
Benzo(k)fluoranthene
Concen: 14.244 ng m
RT: 23.244 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

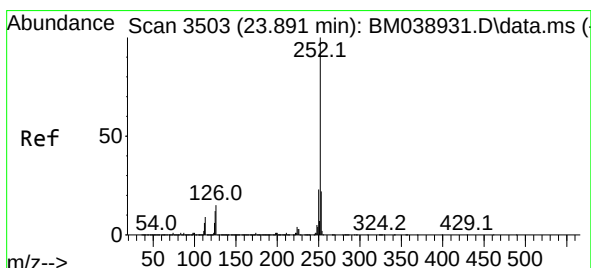
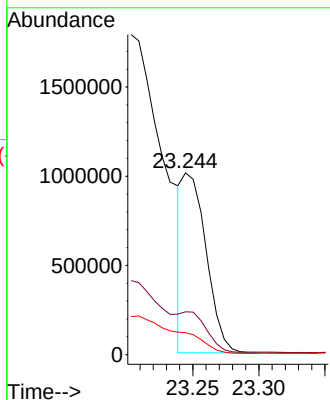
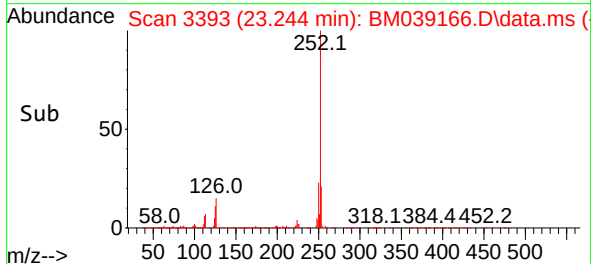
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023



Tgt Ion:252 Resp: 1257620
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 12.1 8.9 13.3

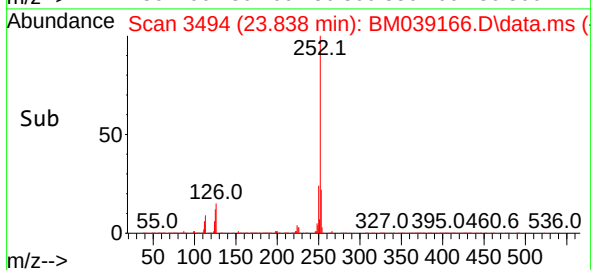
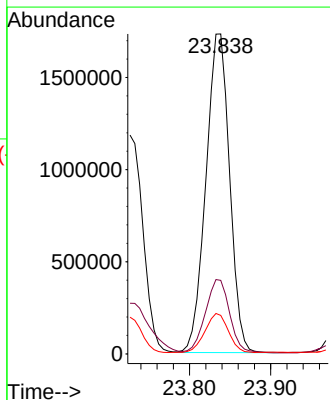
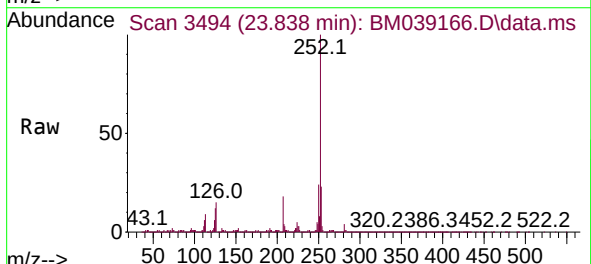
Manual Integrations
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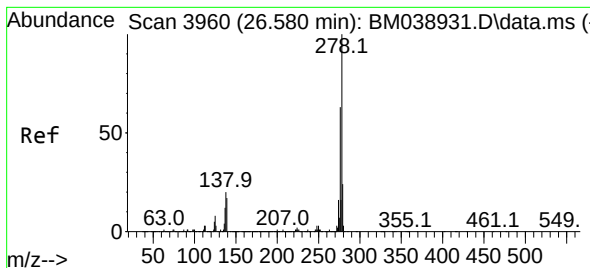
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#90
Benzo(a)pyrene
Concen: 42.996 ng
RT: 23.838 min Scan# 3494
Delta R.T. 0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:252 Resp: 3510733
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.0 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 6.882 ng

RT: 26.474 min Scan# 39

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

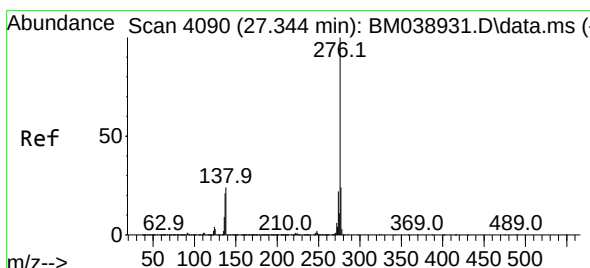
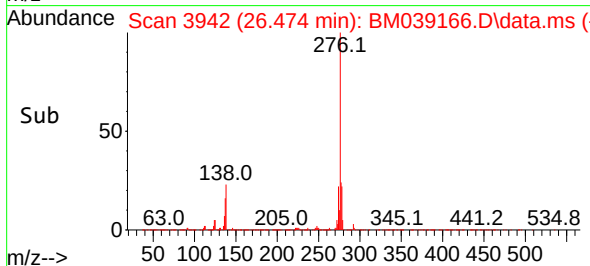
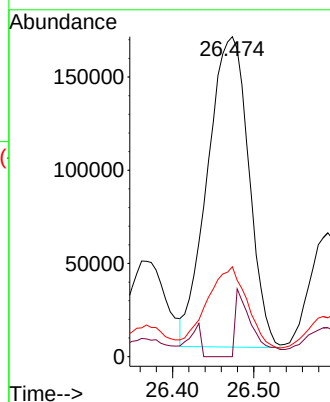
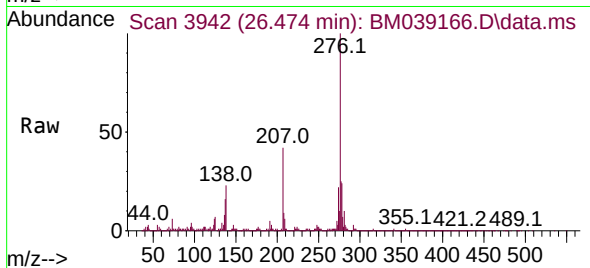
Tgt Ion:	278	Resp:	58891
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.7	20.5
279	28.1	18.9	28.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#92

Benzo(g,h,i)perylene

Concen: 29.347 ng

RT: 27.244 min Scan# 4073

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Tgt Ion:	276	Resp:	2457089
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.3	28.9
138	24.5	19.0	28.6

