

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039196.D
 Acq On : 29 Mar 2023 01:16
 Operator : CG/JU
 Sample : 02021-11DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/29/2023
 Supervised By : Jagrut Upadhyay 03/29/2023

Quant Time: Mar 29 03:52:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 29 01:28:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	432900	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1805556	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	1002001	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1724657	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1170318	20.000	ng	0.00
86) Perylene-d12	23.927	264	1283794	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	951599	33.397	ng	0.00
7) Phenol-d6	7.098	99	1291783	34.903	ng	-0.01
23) Nitrobenzene-d5	9.104	82	800545	21.779	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	340577	29.381	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	1639445	21.300	ng	0.00
79) Terphenyl-d14	19.945	244	1497605	23.396	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.368	178	1541183	15.226	ng	99
72) Anthracene	17.457	178	353135	3.498	ng	99
75) Fluoranthene	19.386	202	3427218	32.068	ng	100
78) Pyrene	19.745	202	3414948	38.850	ng	100
81) Benzo(a)anthracene	21.492	228	1577695	18.720	ng	98
83) Chrysene	21.545	228	1481581m	18.075	ng	
87) Indeno(1,2,3-cd)pyrene	26.432	276	1040914	10.656	ng	96
88) Benzo(b)fluoranthene	23.192	252	1951698	23.796	ng	98
89) Benzo(k)fluoranthene	23.233	252	617309m	7.232	ng	
90) Benzo(a)pyrene	23.821	252	1536881	19.470	ng	98
91) Dibenzo(a,h)anthracene	26.438	278	248511m	3.004	ng	
92) Benzo(g,h,i)perylene	27.215	276	1070579	13.227	ng	100

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

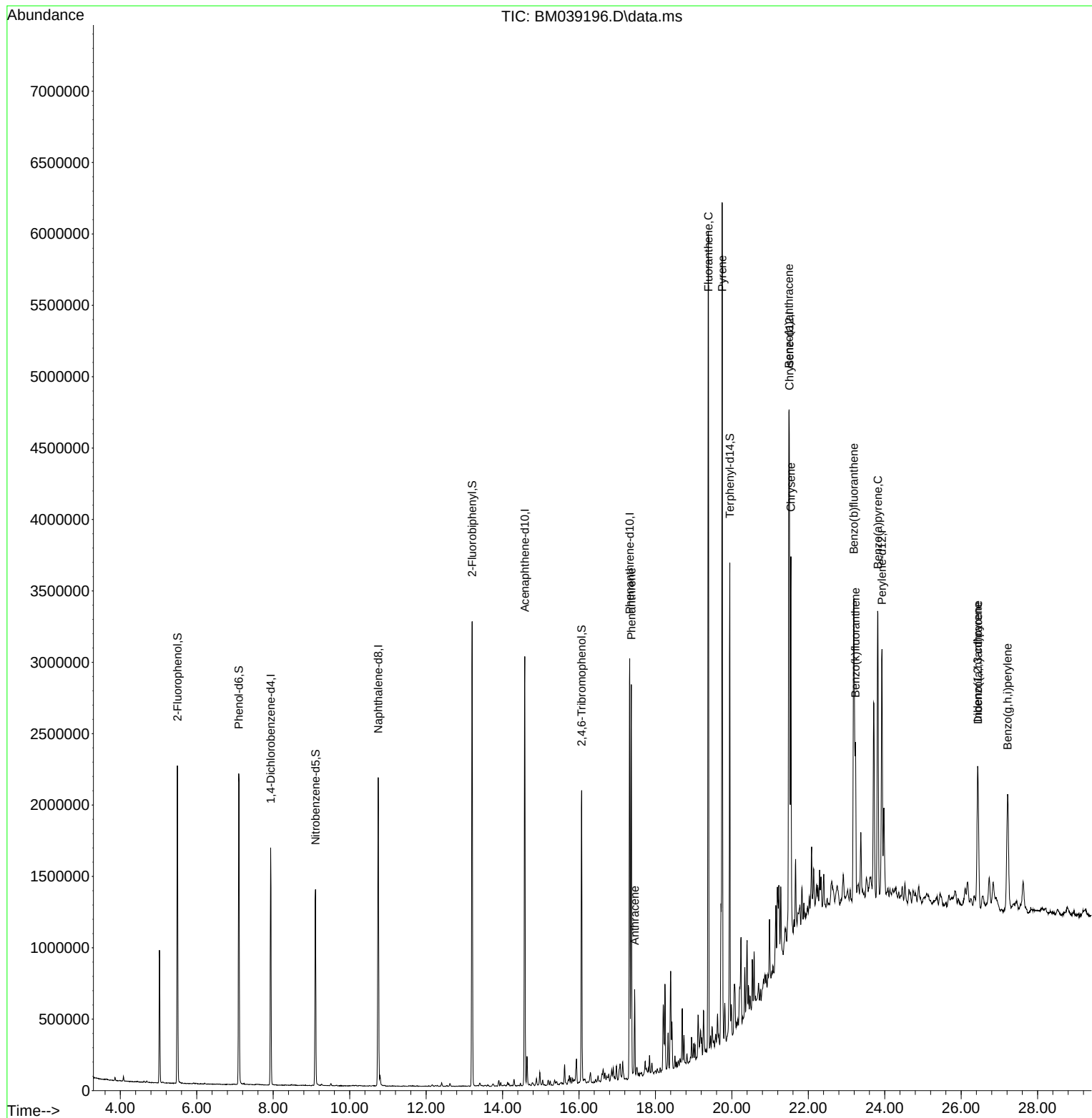
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Data File : BM039196.D
Acq On : 29 Mar 2023 01:16
Operator : CG/JU
Sample : 02021-11DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

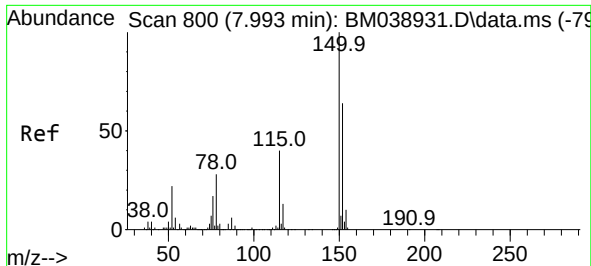
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL

Quant Time: Mar 29 03:52:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 29 01:28:31 2023
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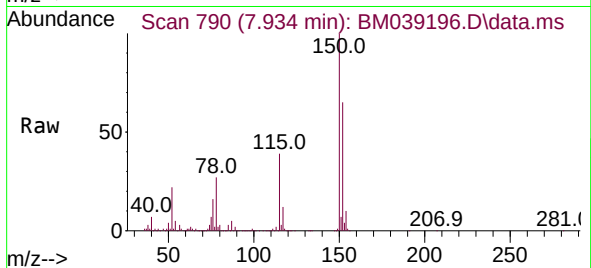
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

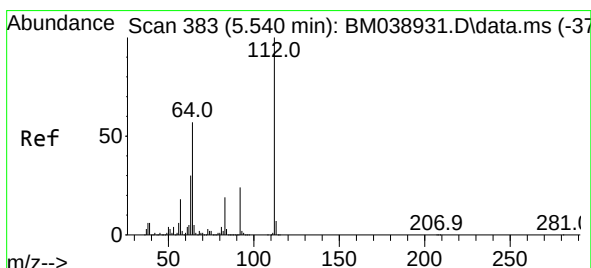
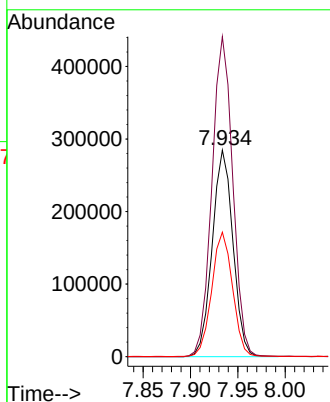
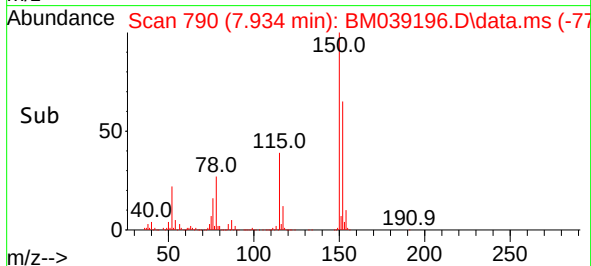
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL



Tgt Ion:152 Resp: 432900
Ion Ratio Lower Upper
152 100
150 154.9 125.1 187.7
115 60.2 49.6 74.4

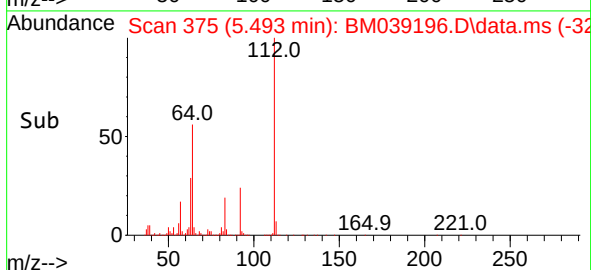
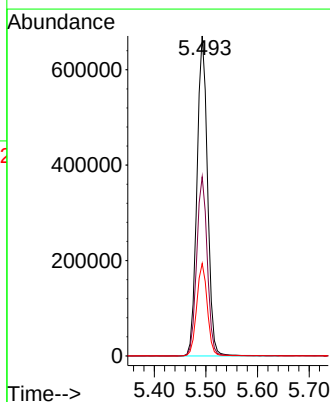
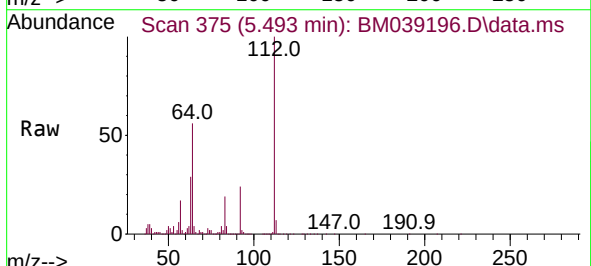
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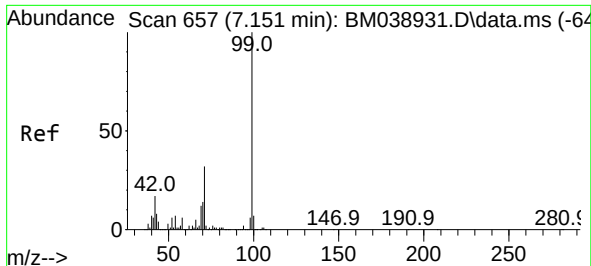
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#5
2-Fluorophenol
Concen: 33.397 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

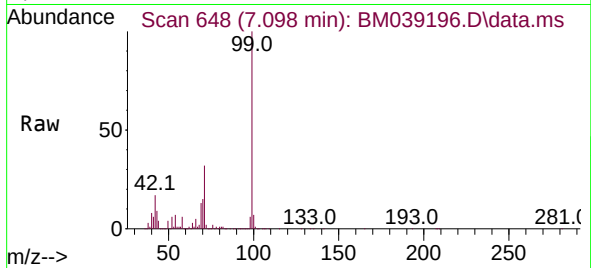
Tgt Ion:112 Resp: 951599
Ion Ratio Lower Upper
112 100
64 56.0 45.9 68.9
63 28.9 23.8 35.8





#7
Phenol-d6
Concen: 34.903 ng
RT: 7.098 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

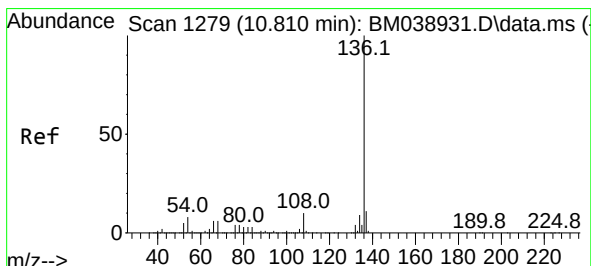
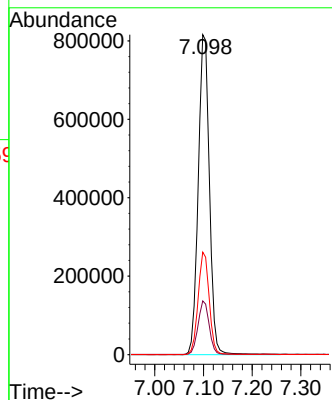
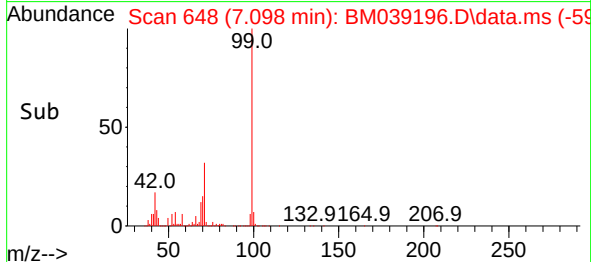
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL



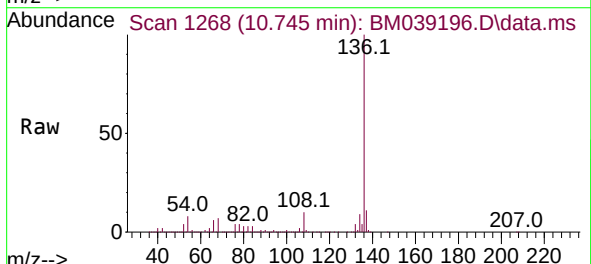
Tgt Ion: 99 Resp: 1291783
Ion Ratio Lower Upper
99 100
42 16.8 13.5 20.3
71 32.0 25.6 38.4

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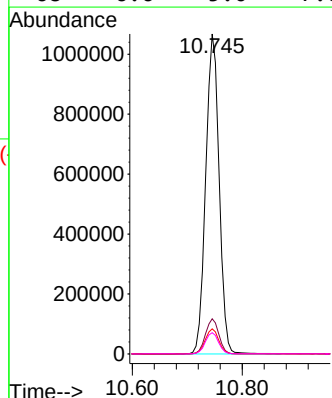
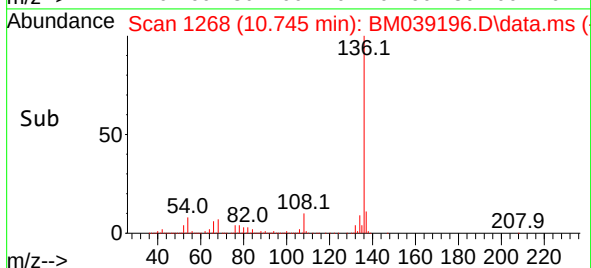
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023

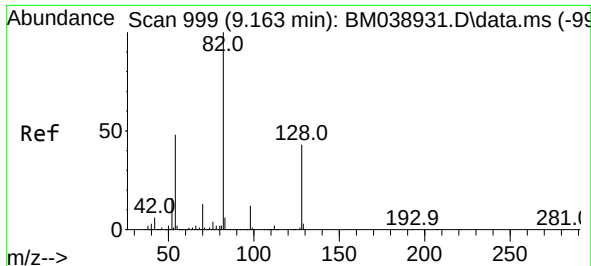


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16



Tgt Ion:136 Resp: 1805556
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.8 6.3 9.5
68 6.6 5.0 7.6





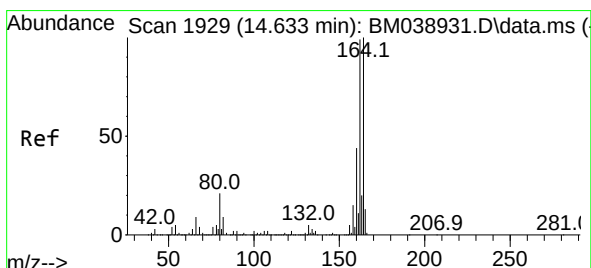
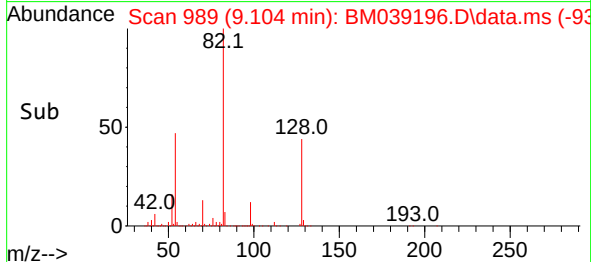
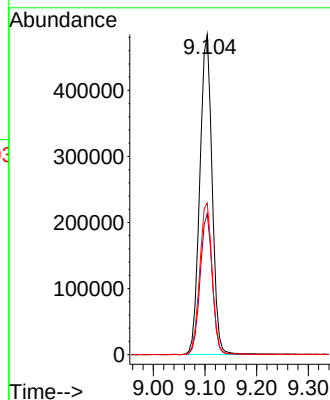
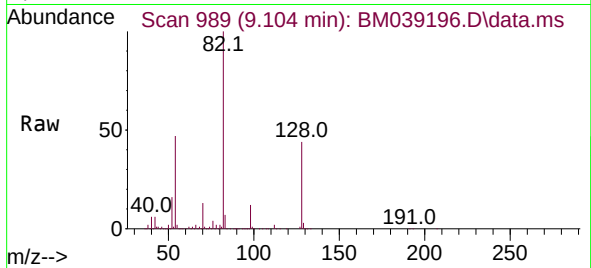
#23
Nitrobenzene-d5
Concen: 21.779 ng
RT: 9.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL

Tgt Ion: 82 Resp: 800545
Ion Ratio Lower Upper
82 100
128 44.0 34.4 51.6
54 47.4 38.8 58.2

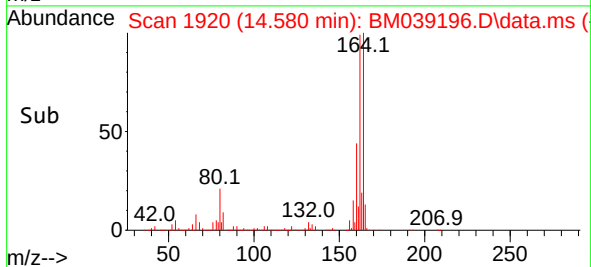
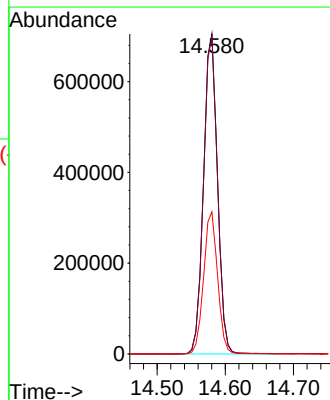
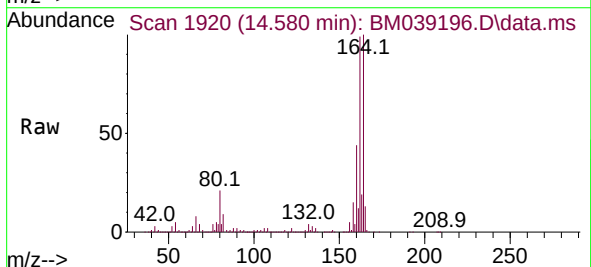
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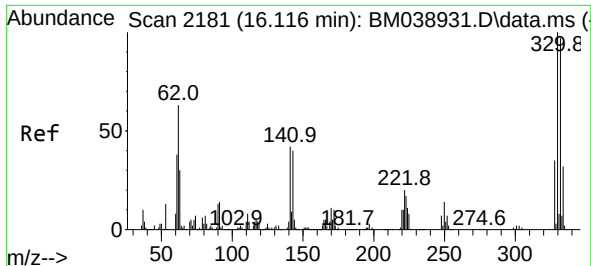
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

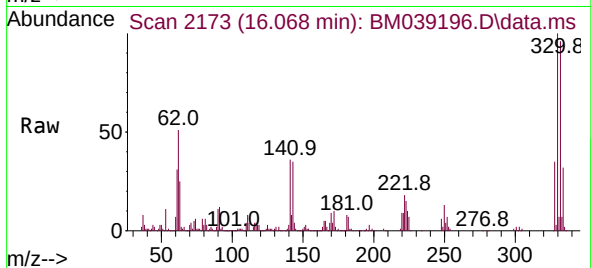
Tgt Ion:164 Resp: 1002001
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 44.4 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 29.381 ng
RT: 16.068 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

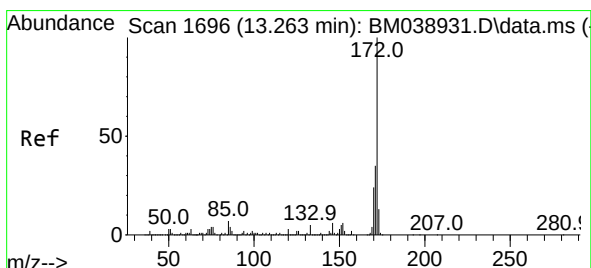
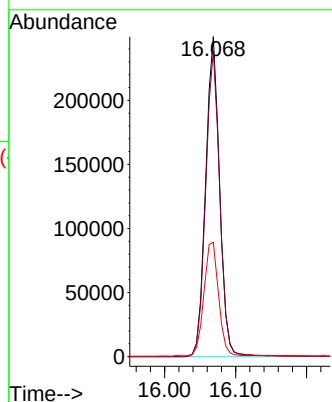
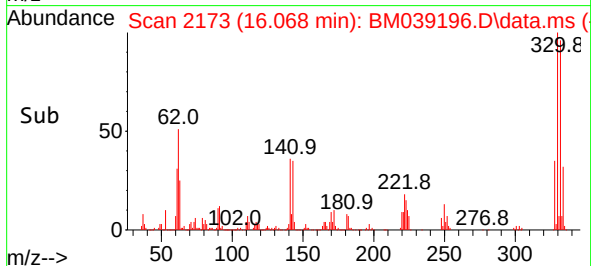
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL



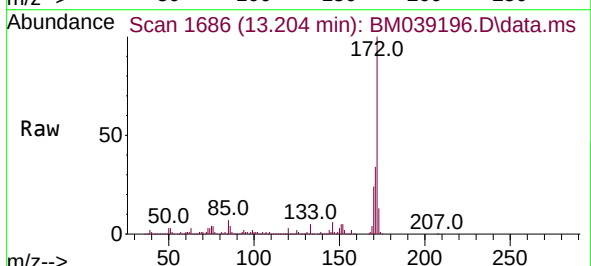
Tgt Ion:330 Resp: 340572
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 37.6 32.2 48.4

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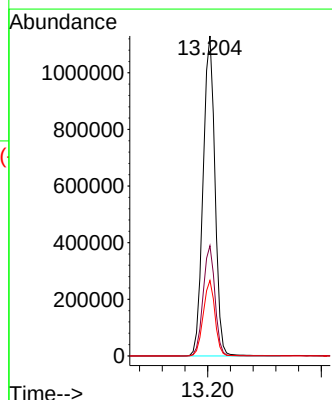
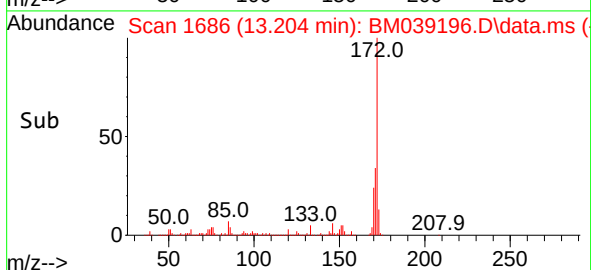
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023

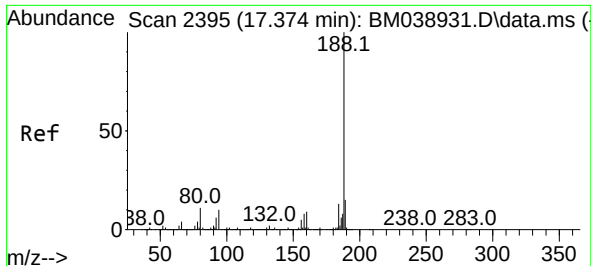


#45
2-Fluorobiphenyl
Concen: 21.300 ng
RT: 13.204 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16



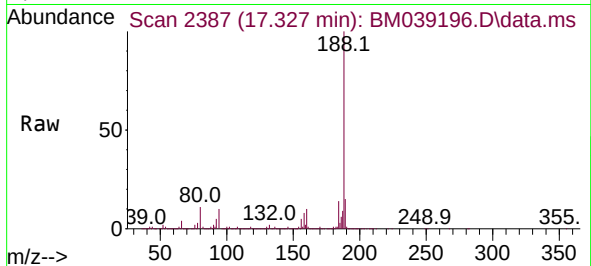
Tgt Ion:172 Resp: 1639445
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

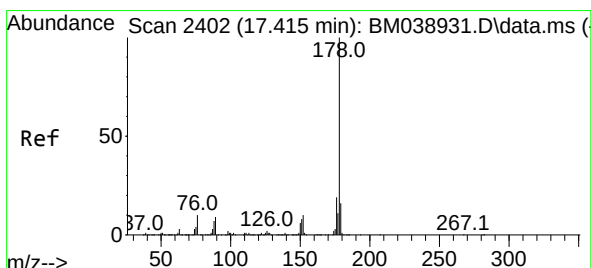
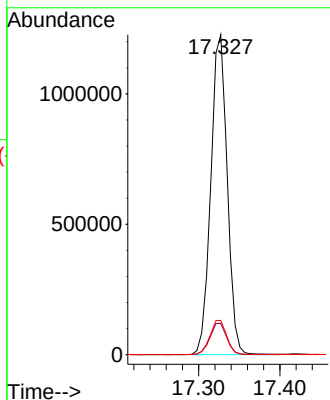
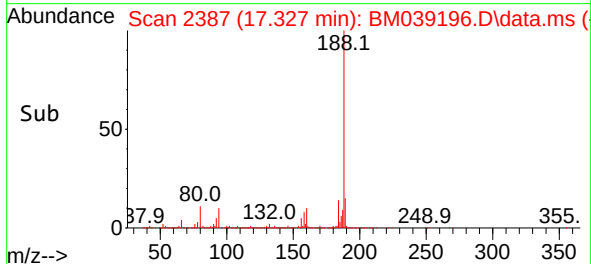
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JPP-46A-032023DL



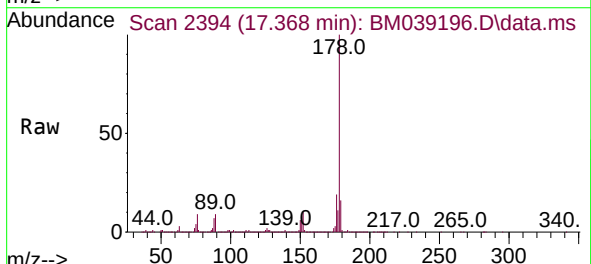
Tgt Ion:188 Resp: 1724652
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.7 8.5 12.7

Manual Integrations
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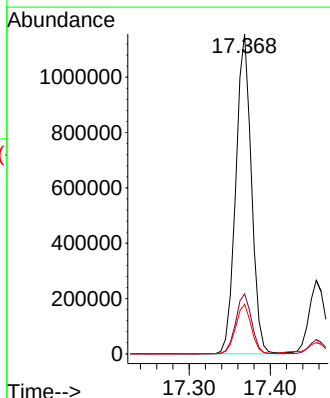
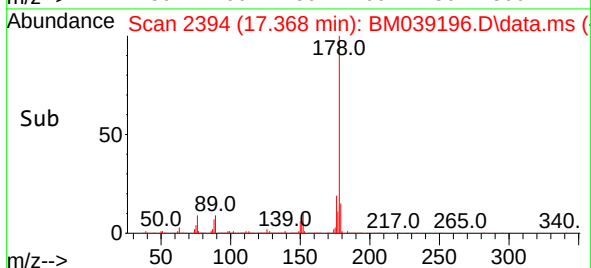
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023

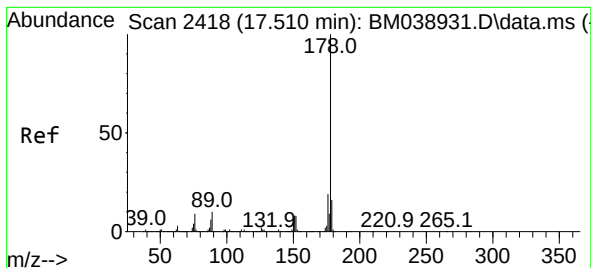


#71
Phenanthrene
Concen: 15.226 ng
RT: 17.368 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16



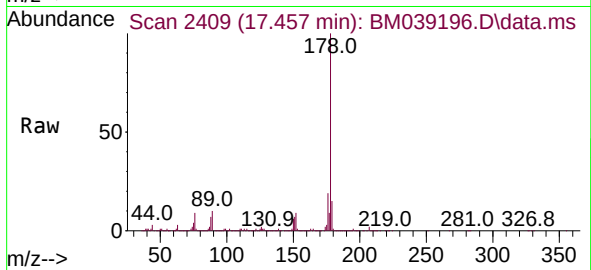
Tgt Ion:178 Resp: 1541183
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.5 12.5 18.7





#72
 Anthracene
 Concen: 3.498 ng
 RT: 17.457 min Scan# 2418
 Delta R.T. -0.006 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16

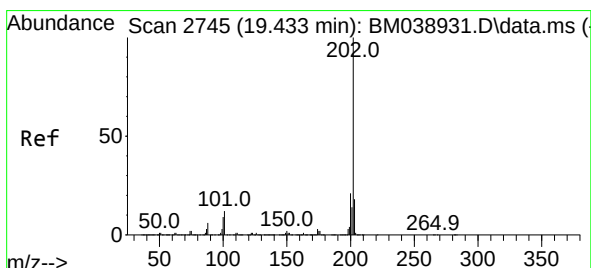
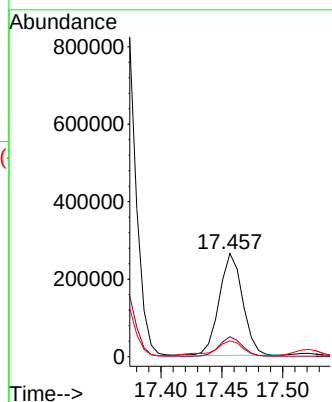
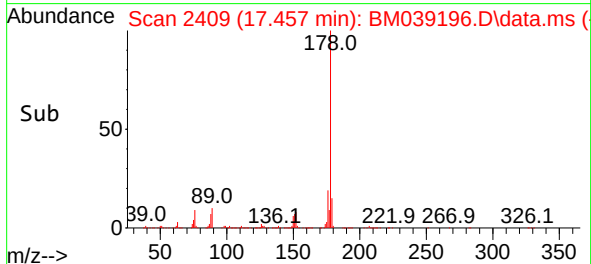
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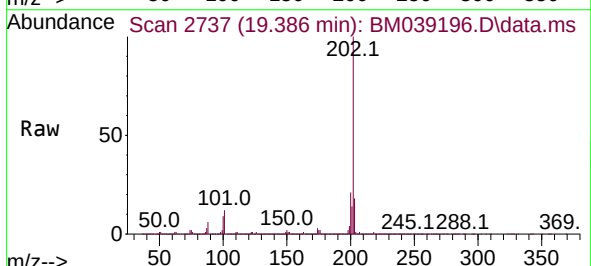
Tgt Ion:178 Resp: 353135
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.3 22.9
 179 15.3 12.5 18.7

Manual Integrations
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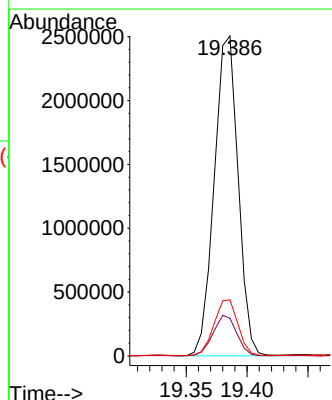
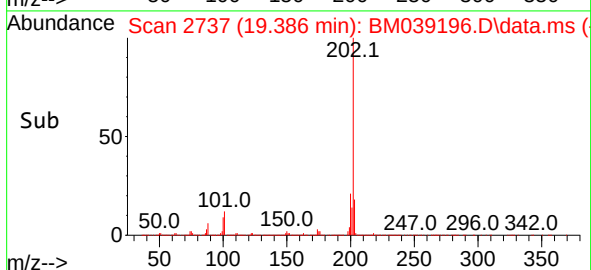
Reviewed By :Christian Giraldo 03/29/2023
 Supervised By :Jagrut Upadhyay 03/29/2023

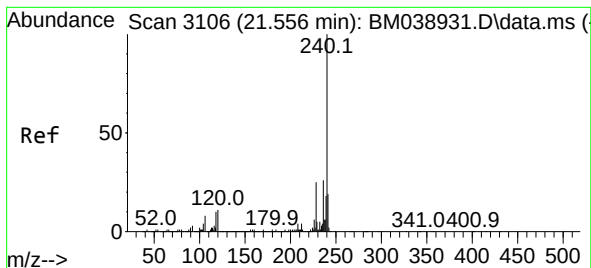


#75
 Fluoranthene
 Concen: 32.068 ng
 RT: 19.386 min Scan# 2737
 Delta R.T. 0.000 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16



Tgt Ion:202 Resp: 3427218
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 31.7
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

Tgt Ion:240 Resp: 1170318

Ion Ratio Lower Upper

240 100

120 13.0 9.2 13.8

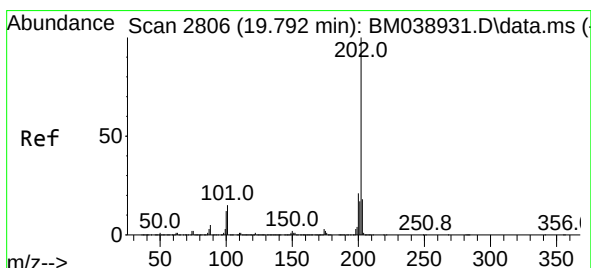
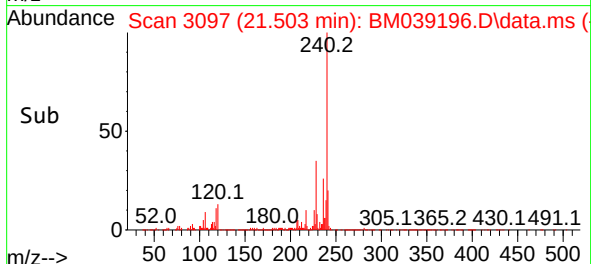
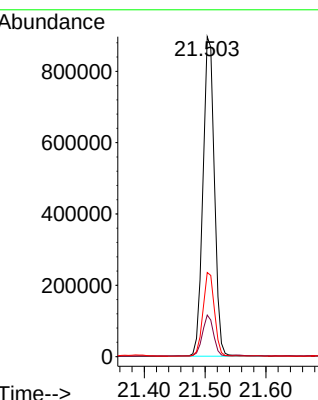
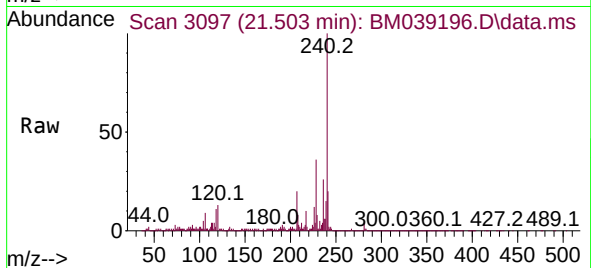
236 26.3 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/29/2023

Supervised By :Jagrut Upadhyay 03/29/2023



#78

Pyrene

Concen: 38.850 ng

RT: 19.745 min Scan# 2798

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

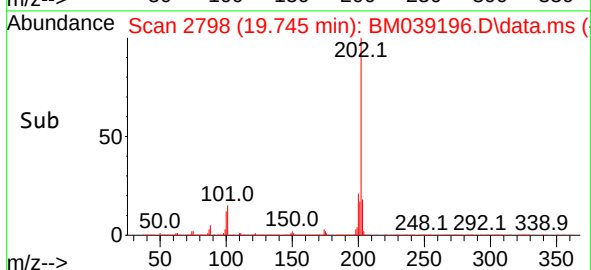
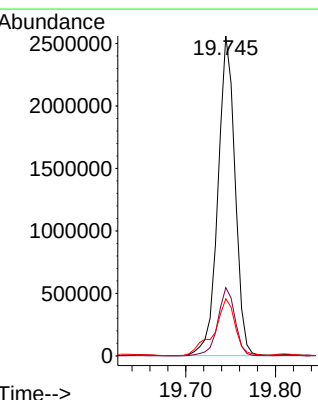
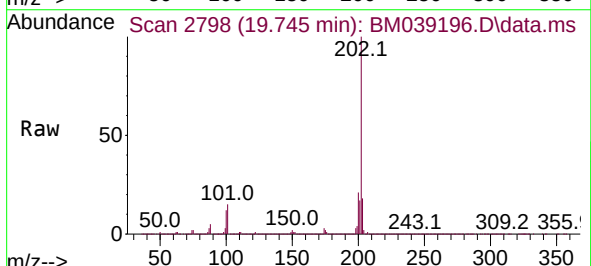
Tgt Ion:202 Resp: 3414948

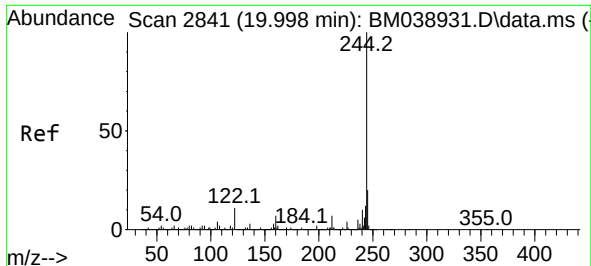
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

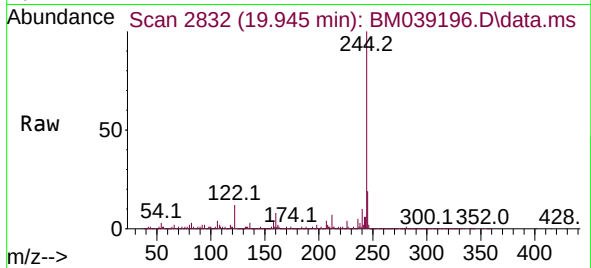
203 17.9 14.1 21.1





#79
 Terphenyl-d14
 Concen: 23.396 ng
 RT: 19.945 min Scan# 2841
 Delta R.T. -0.006 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16

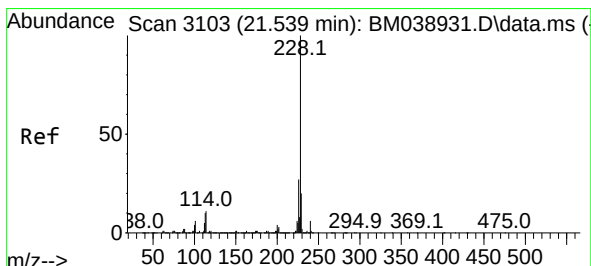
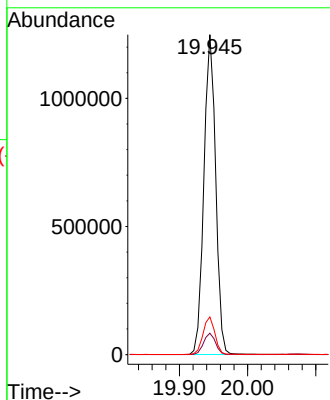
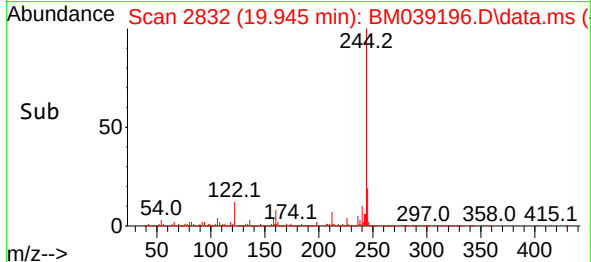
Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023DL



Tgt Ion:244 Resp: 1497605
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 11.8 9.0 13.4

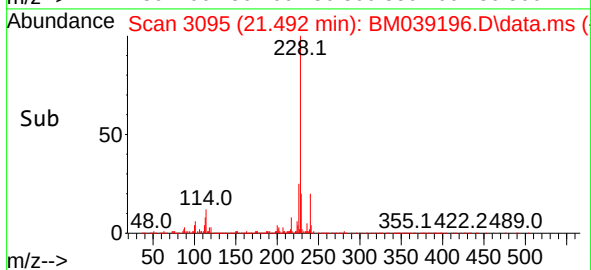
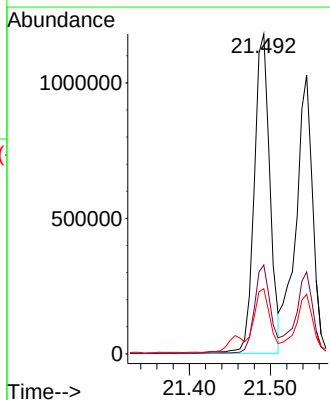
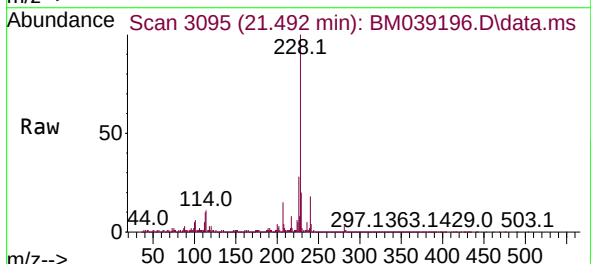
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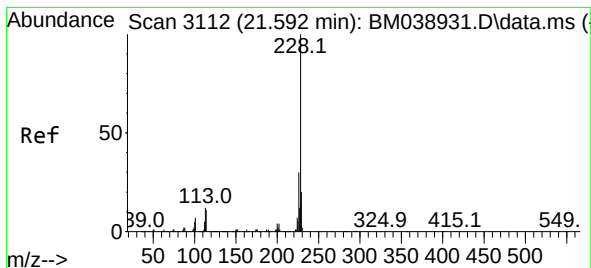
Reviewed By :Christian Giraldo 03/29/2023
 Supervised By :Jagrut Upadhyay 03/29/2023



#81
 Benzo(a)anthracene
 Concen: 18.720 ng
 RT: 21.492 min Scan# 3095
 Delta R.T. 0.000 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16

Tgt Ion:228 Resp: 1577695
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.4 32.2
 229 20.4 15.7 23.5





#83

Chrysene

Concen: 18.075 ng m

RT: 21.545 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

Tgt Ion:228 Resp: 148158

Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

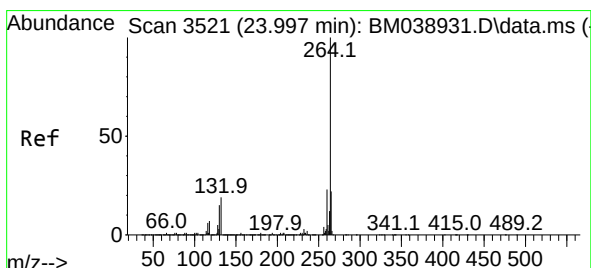
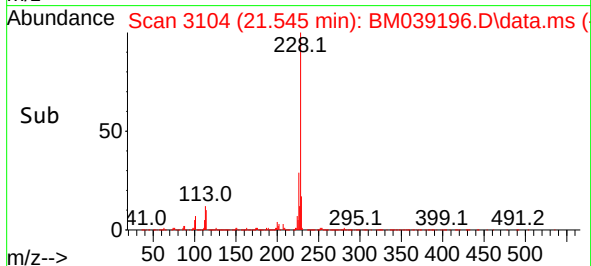
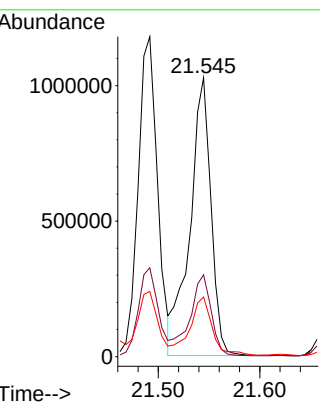
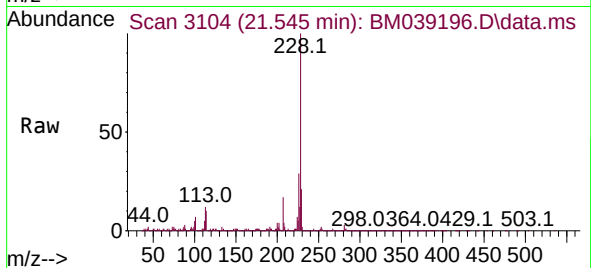
229 21.4 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/29/2023

Supervised By :Jagrut Upadhyay 03/29/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3509

Delta R.T. 0.000 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

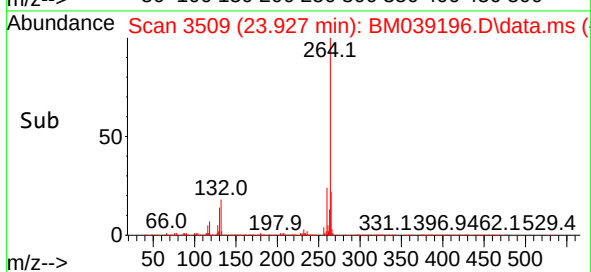
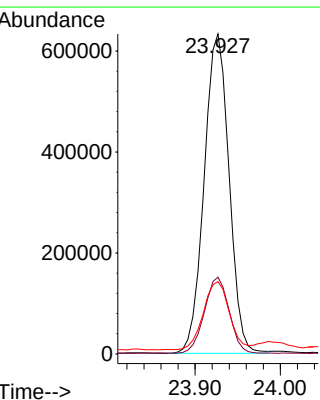
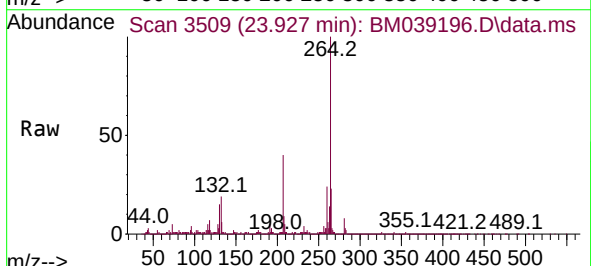
Tgt Ion:264 Resp: 1283794

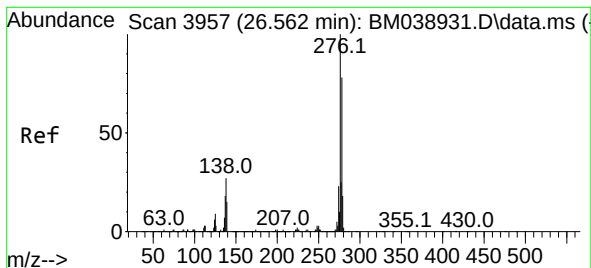
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.6 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.656 ng

RT: 26.432 min Scan# 3957

Delta R.T. -0.023 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

Tgt Ion:276 Resp: 1040914

Ion Ratio Lower Upper

276 100

138 23.8 22.1 33.1

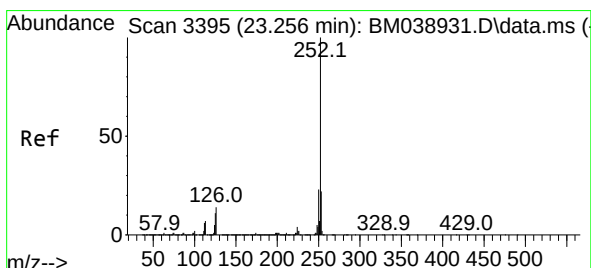
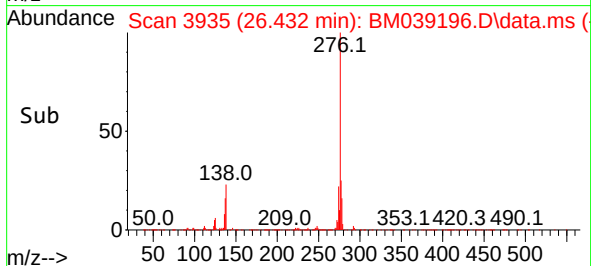
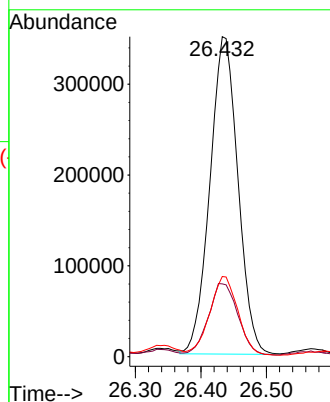
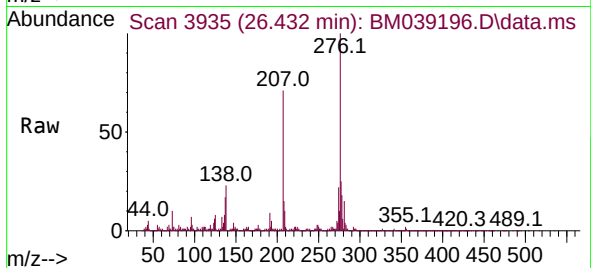
277 25.0 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/29/2023

Supervised By :Jagrut Upadhyay 03/29/2023



#88

Benzo(b)fluoranthene

Concen: 23.796 ng

RT: 23.192 min Scan# 3384

Delta R.T. 0.000 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

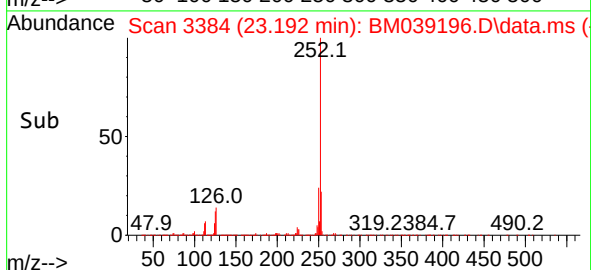
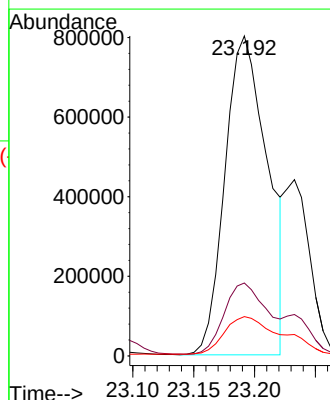
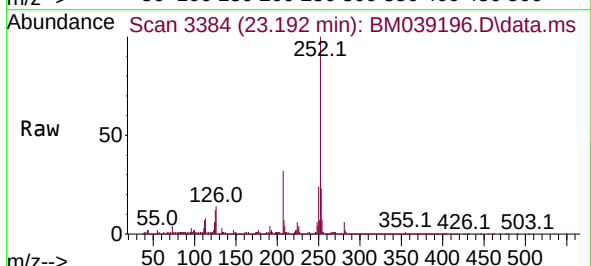
Tgt Ion:252 Resp: 1951698

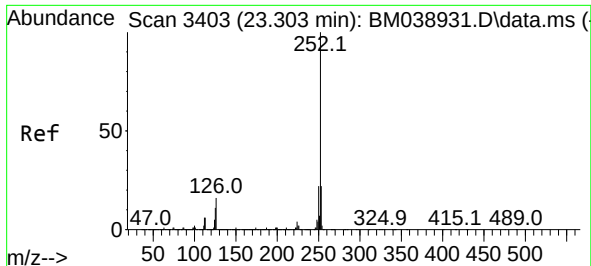
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 12.3 8.8 13.2





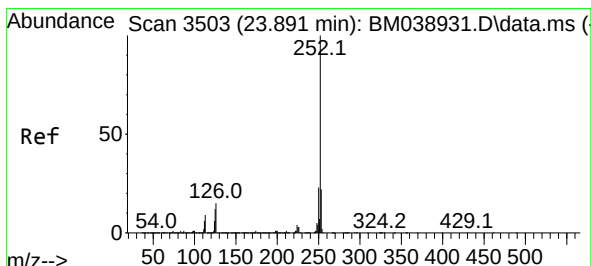
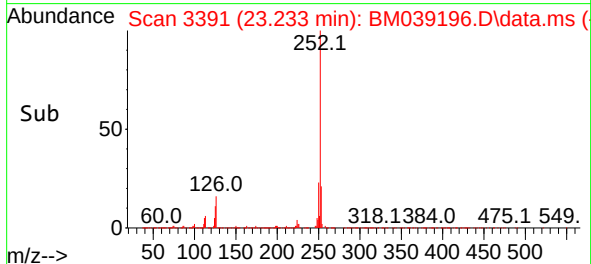
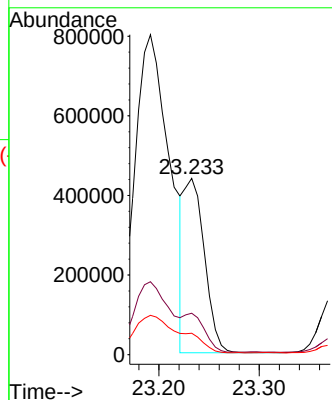
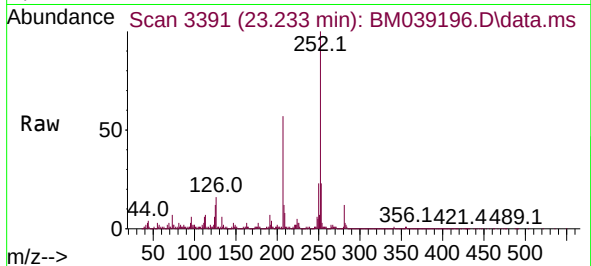
#89
Benzo(k)fluoranthene
Concen: 7.232 ng m
RT: 23.233 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL

Tgt Ion:252 Resp: 617309
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 12.2 8.9 13.3

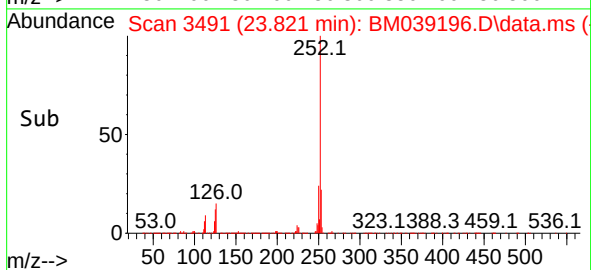
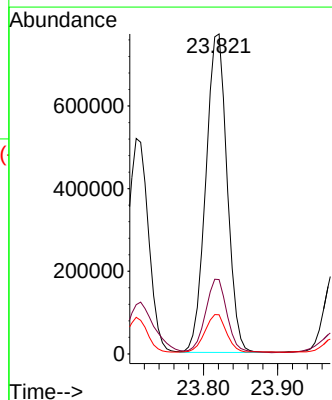
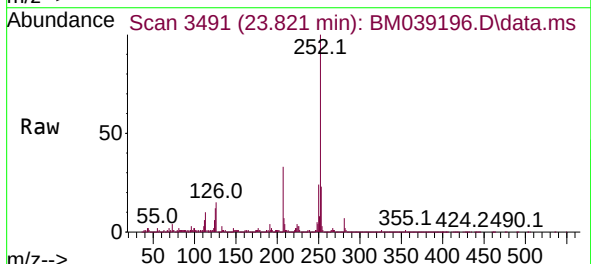
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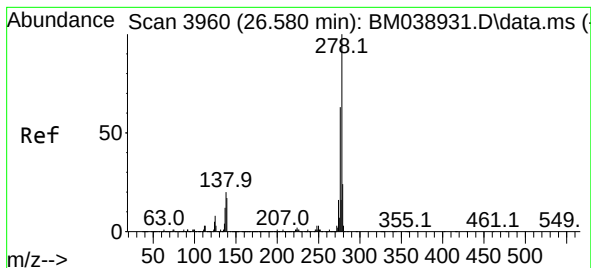
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#90
Benzo(a)pyrene
Concen: 19.470 ng
RT: 23.821 min Scan# 3491
Delta R.T. 0.000 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Tgt Ion:252 Resp: 1536881
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.3 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 3.004 ng m

RT: 26.438 min Scan# 39

Delta R.T. -0.029 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

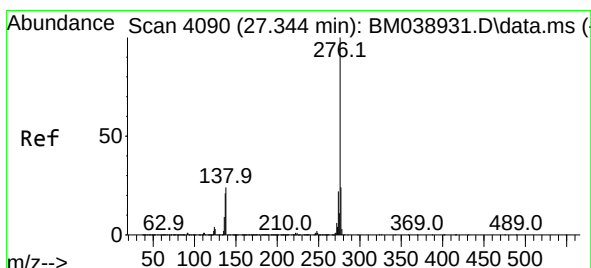
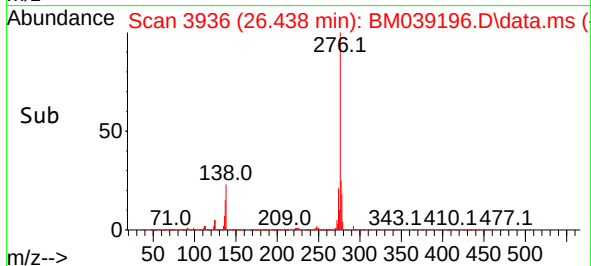
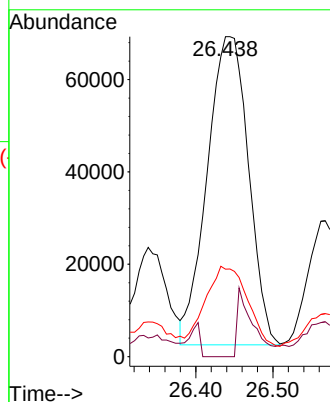
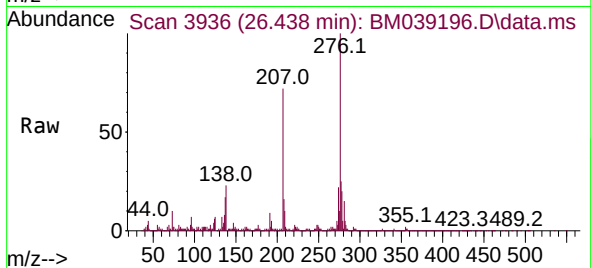
Tgt Ion:	278	Resp:	24851
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.7	20.5
279	27.4	18.9	28.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/29/2023

Supervised By :Jagrut Upadhyay 03/29/2023



#92

Benzo(g,h,i)perylene

Concen: 13.227 ng

RT: 27.215 min Scan# 4068

Delta R.T. -0.012 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Tgt Ion:	276	Resp:	1070579
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.3	28.9
138	23.9	19.0	28.6

