

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
 Data File : BM039060.D
 Acq On : 21 Mar 2023 00:57
 Operator : CG/JU
 Sample : 01964-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MAPLE-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/21/2023
 Supervised By : Jagrut Upadhyay 03/21/2023

Quant Time: Mar 21 03:54:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	247318	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	971674	20.000	ng	-0.01
39) Acenaphthene-d10	14.610	164	542831	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1142202	20.000	ng	-0.01
76) Chrysene-d12	21.527	240	1172271	20.000	ng	-0.01
86) Perylene-d12	23.962	264	1332553	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1438604	88.374	ng	0.00
7) Phenol-d6	7.128	99	1854390	87.702	ng	0.00
23) Nitrobenzene-d5	9.134	82	1066169	53.898	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	503403	80.164	ng	-0.01
45) 2-Fluorobiphenyl	13.233	172	1895336	45.453	ng	-0.01
79) Terphenyl-d14	19.974	244	2837960	44.262	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.392	178	283249	4.225	ng	99
75) Fluoranthene	19.404	202	942793	13.320	ng	99
78) Pyrene	19.768	202	836787	9.504	ng	99
81) Benzo(a)anthracene	21.515	228	625323	7.407	ng	96
83) Chrysene	21.568	228	574229	6.994	ng	99
87) Indeno(1,2,3-cd)pyrene	26.485	276	361970	3.570	ng	97
88) Benzo(b)fluoranthene	23.221	252	823387	9.672	ng	97
89) Benzo(k)fluoranthene	23.262	252	247647m	2.795	ng	
90) Benzo(a)pyrene	23.850	252	534816	6.527	ng	98
92) Benzo(g,h,i)perylene	27.268	276	326812	3.890	ng	97

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

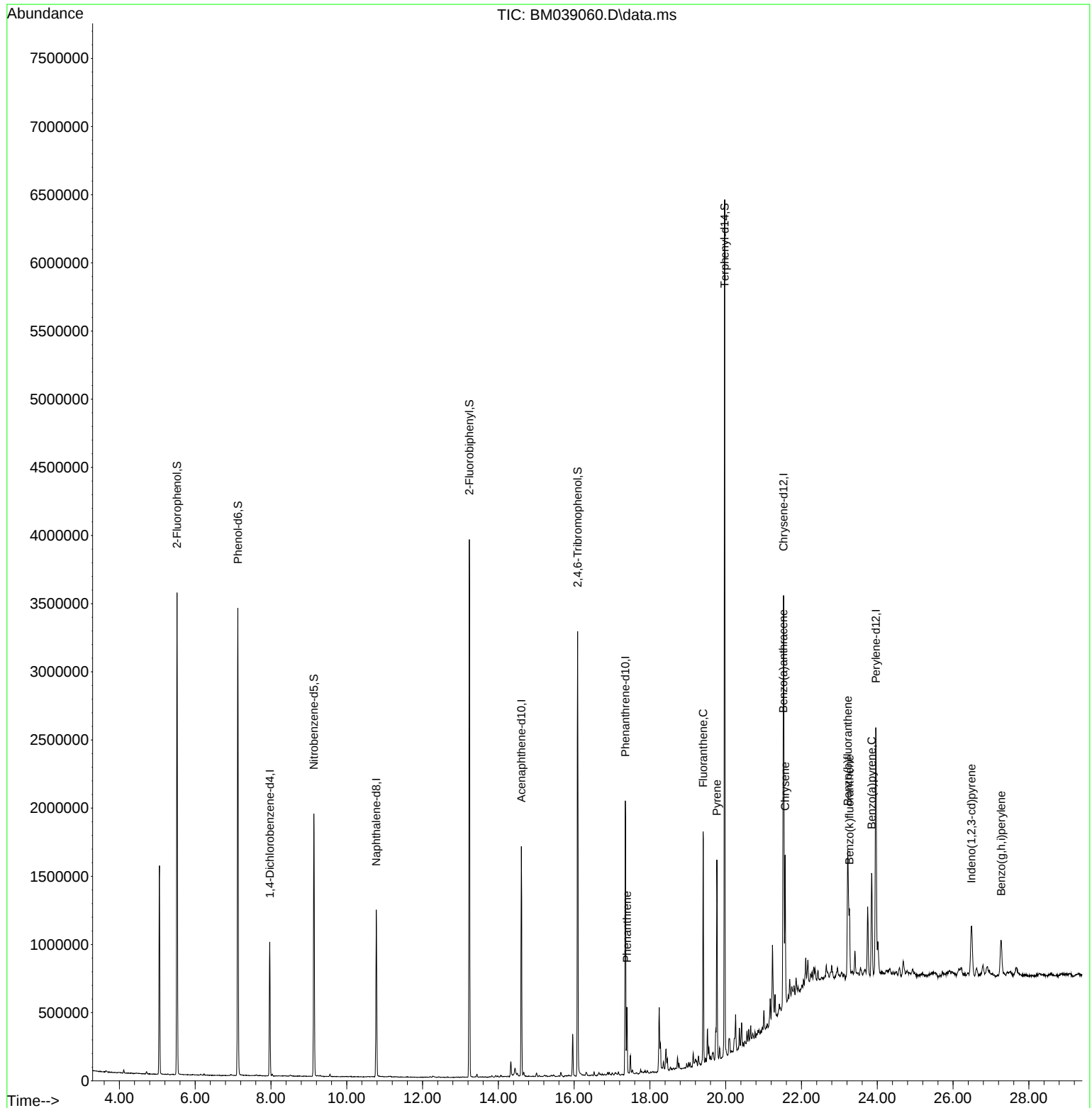
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
Data File : BM039060.D
Acq On : 21 Mar 2023 00:57
Operator : CG/JU
Sample : 01964-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

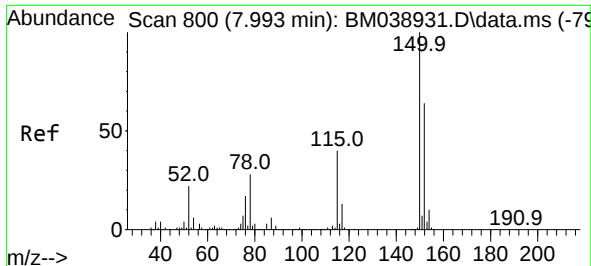
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Quant Time: Mar 21 03:54:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
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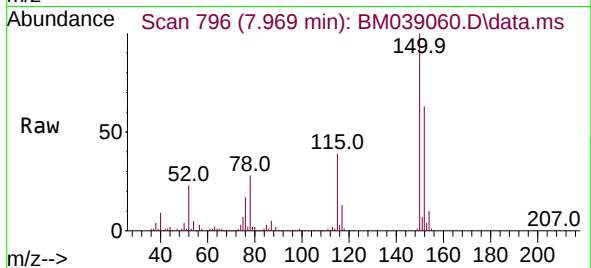
Reviewed By : Christian Giraldo 03/21/2023
Supervised By : Jagrut Upadhyay 03/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

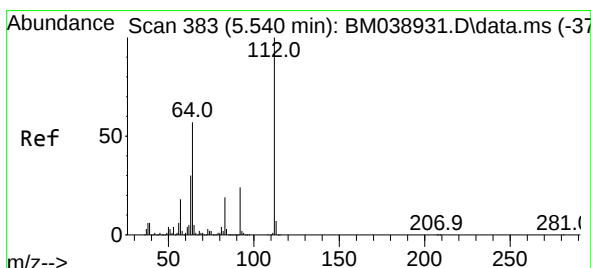
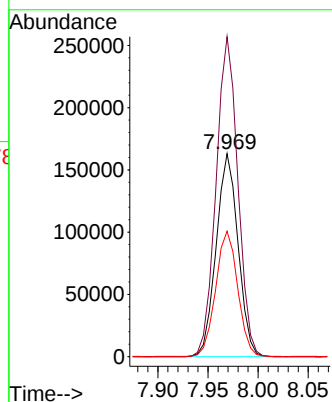
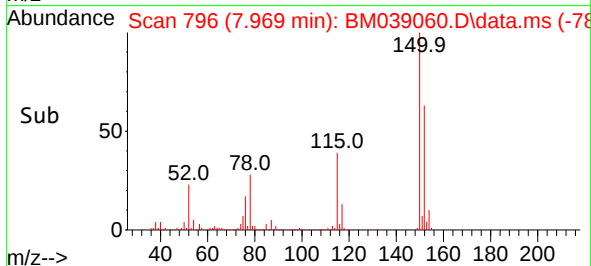
Instrument :
BNA_M
ClientSampleId :
MAPLE-5



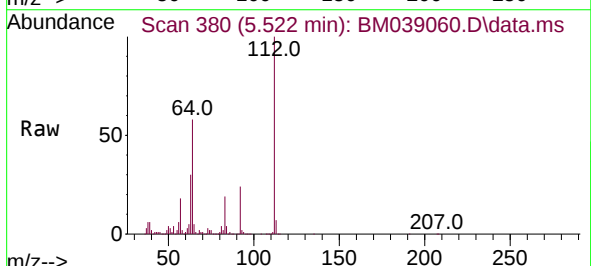
Tgt Ion:152 Resp: 247318
Ion Ratio Lower Upper
152 100
150 157.7 125.1 187.7
115 61.8 49.6 74.4

Manual Integrations
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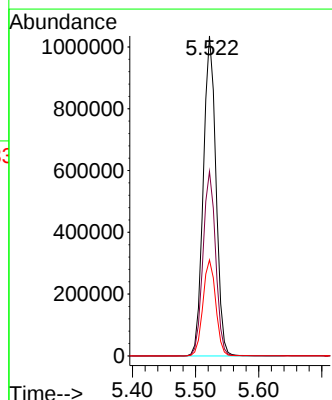
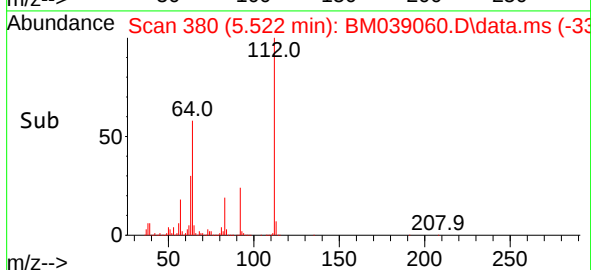
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#5
2-Fluorophenol
Concen: 88.374 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57



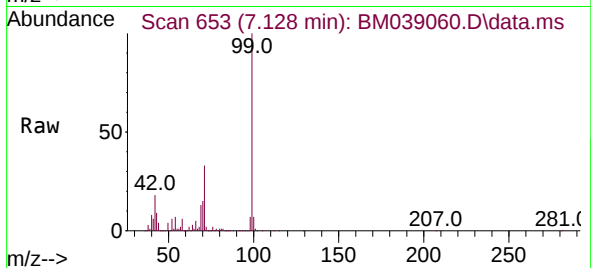
Tgt Ion:112 Resp: 1438604
Ion Ratio Lower Upper
112 100
64 57.6 45.9 68.9
63 30.0 23.8 35.8





#7
Phenol-d6
Concen: 87.702 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

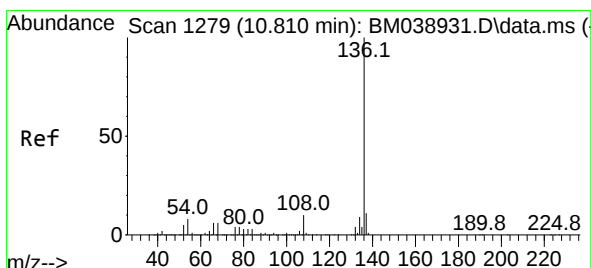
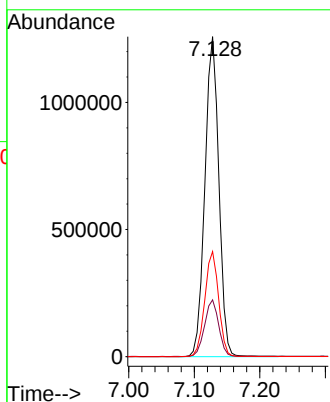
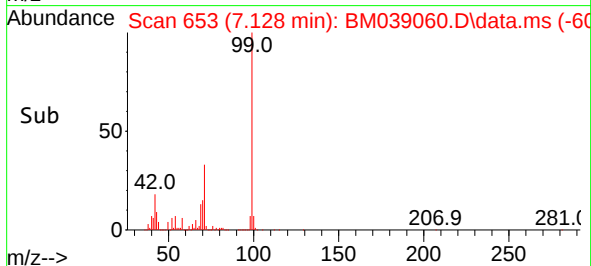
Instrument :
BNA_M
ClientSampleId :
MAPLE-5



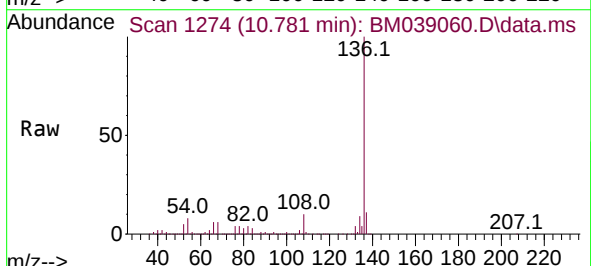
Tgt Ion: 99 Resp: 1854390
Ion Ratio Lower Upper
99 100
42 17.7 13.5 20.3
71 32.8 25.6 38.4

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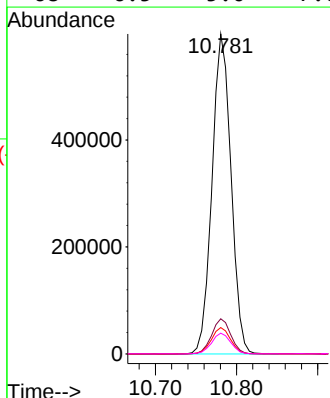
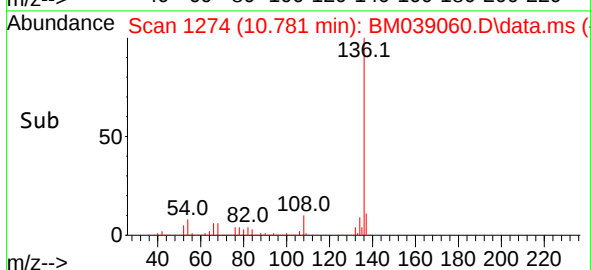
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

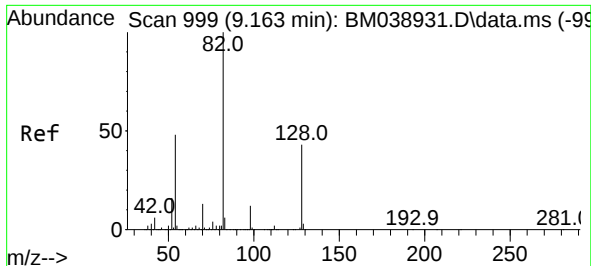


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57



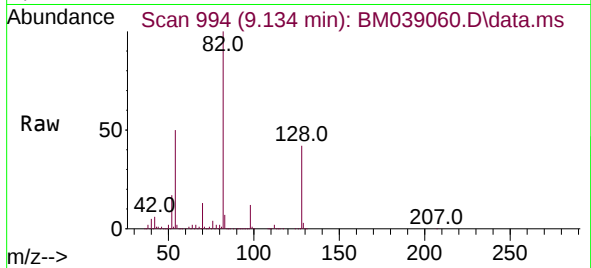
Tgt Ion:136 Resp: 971674
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.3 6.3 9.5
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 53.898 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

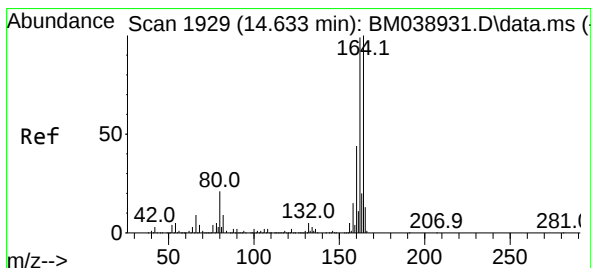
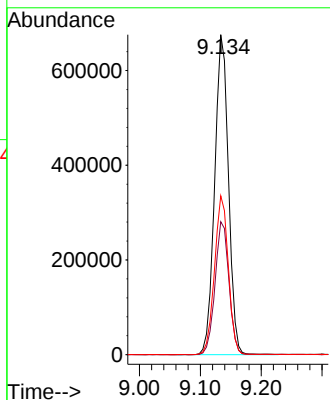
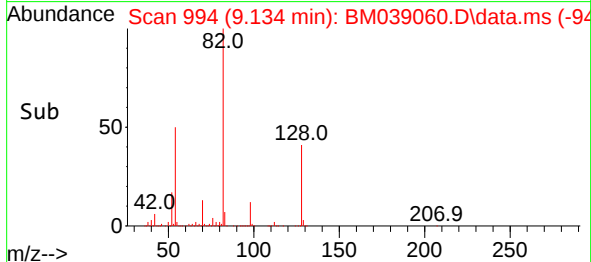
Instrument :
BNA_M
ClientSampleId :
MAPLE-5



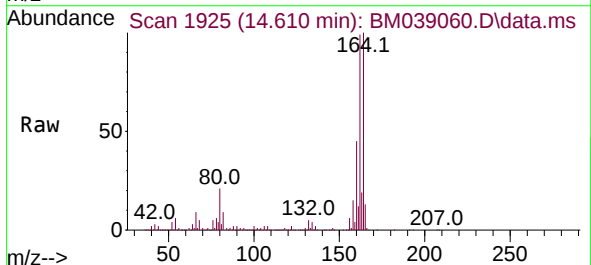
Tgt Ion: 82 Resp: 1066169
Ion Ratio Lower Upper
82 100
128 41.5 34.4 51.6
54 49.6 38.8 58.2

Manual Integrations
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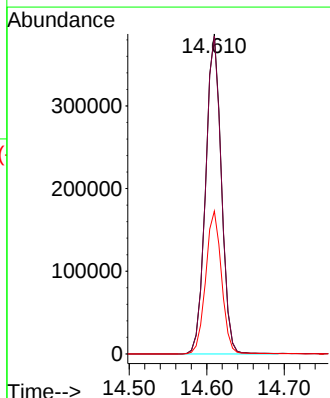
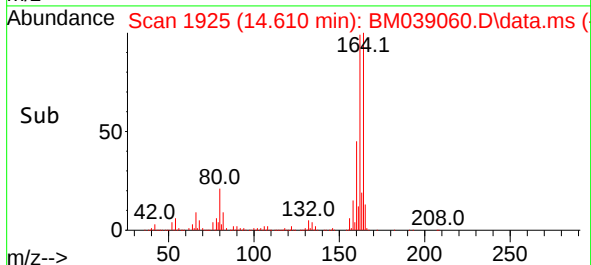
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

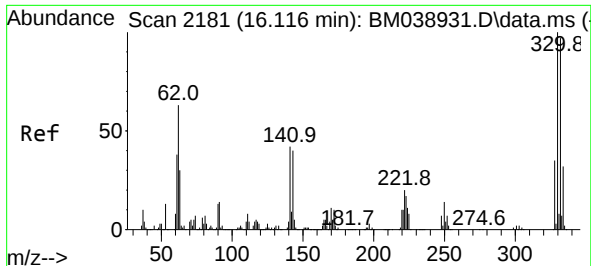


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57



Tgt Ion:164 Resp: 542831
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 44.6 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 80.164 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Instrument :

BNA_M

ClientSampleId :

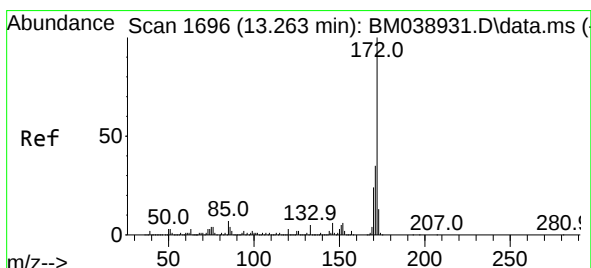
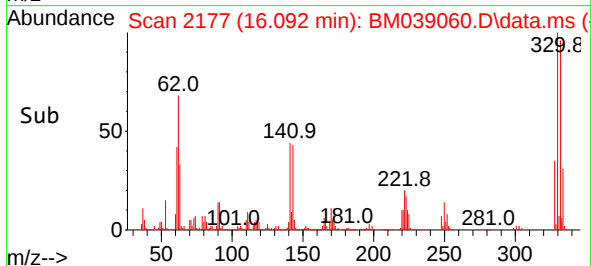
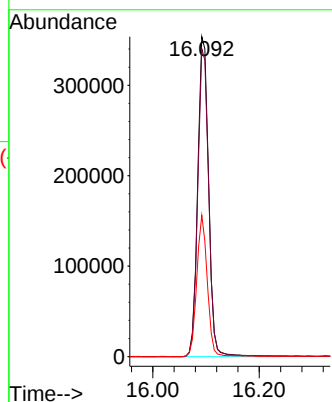
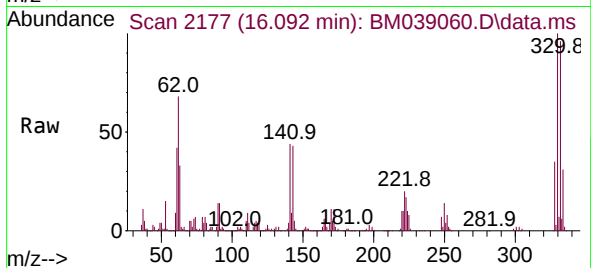
MAPLE-5

Tgt Ion:330 Resp: 503403
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 42.9 32.2 48.4

Manual Integrations

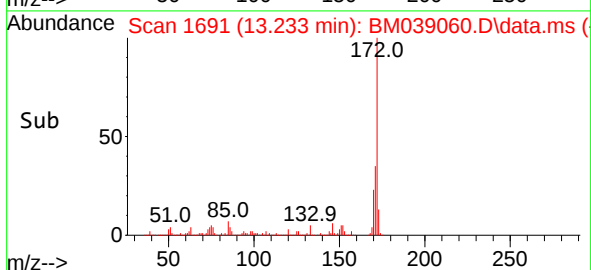
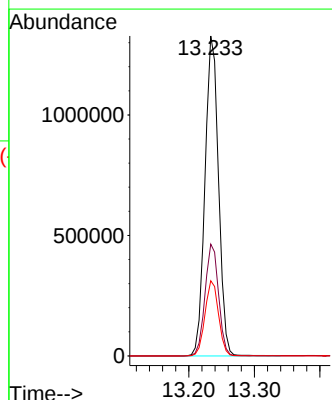
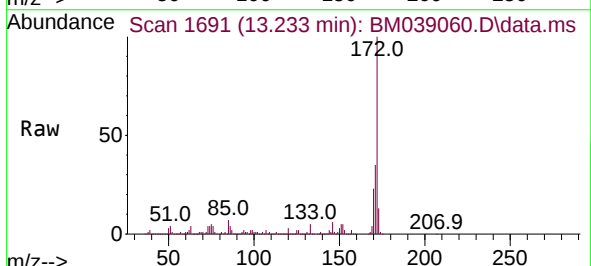
APPROVED

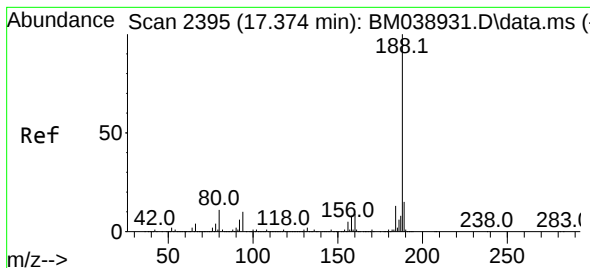
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#45
2-Fluorobiphenyl
Concen: 45.453 ng
RT: 13.233 min Scan# 1691
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:172 Resp: 1895336
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.5 19.1 28.7





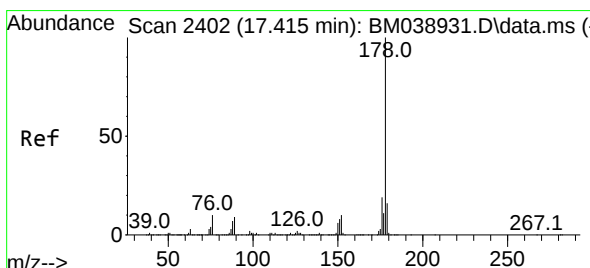
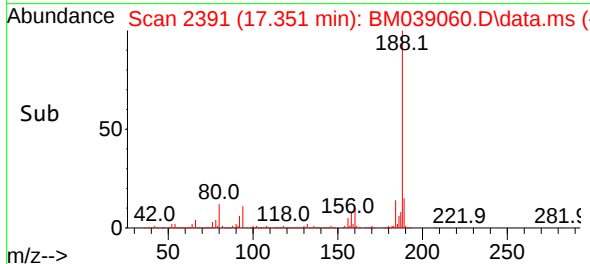
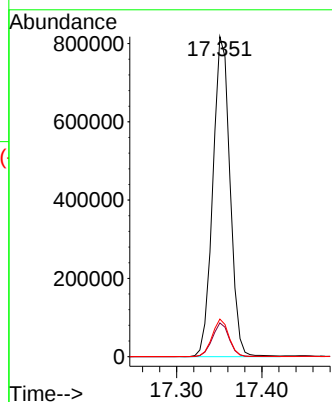
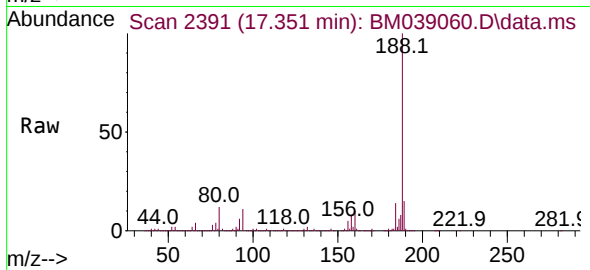
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

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MAPLE-5

Tgt Ion:188 Resp: 1142202
Ion Ratio Lower Upper
188 100
94 10.5 7.9 11.9
80 11.7 8.5 12.7

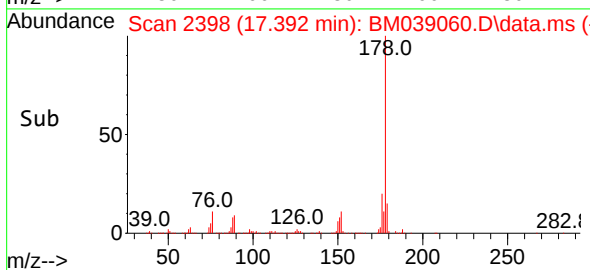
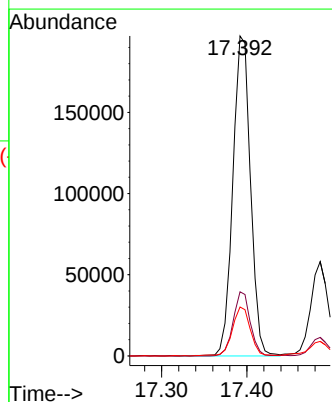
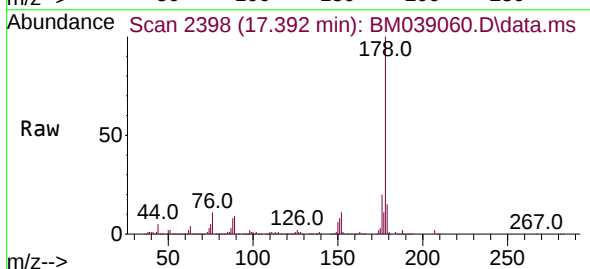
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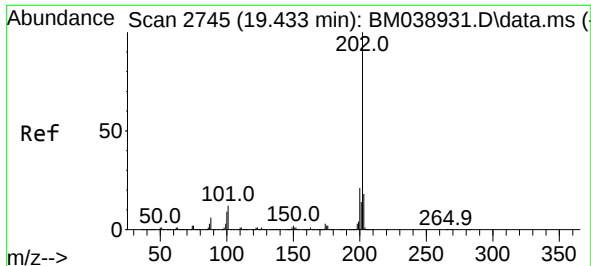
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#71
Phenanthrene
Concen: 4.225 ng
RT: 17.392 min Scan# 2398
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

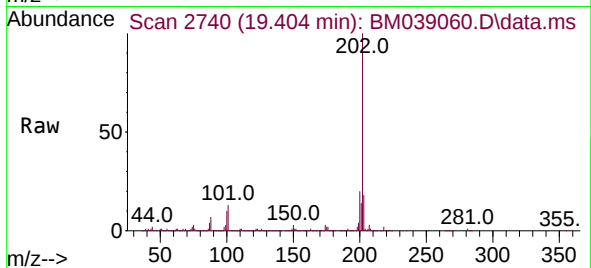
Tgt Ion:178 Resp: 283249
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.3 12.5 18.7





#75
Fluoranthene
Concen: 13.320 ng
RT: 19.404 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

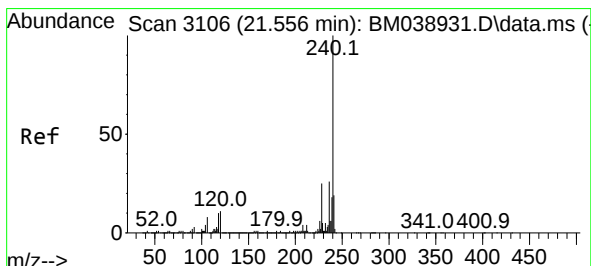
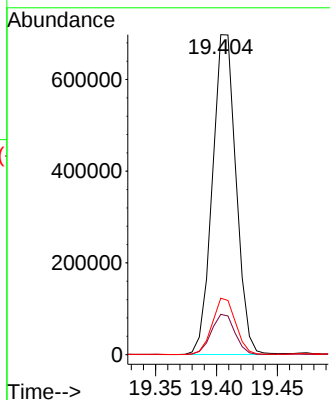
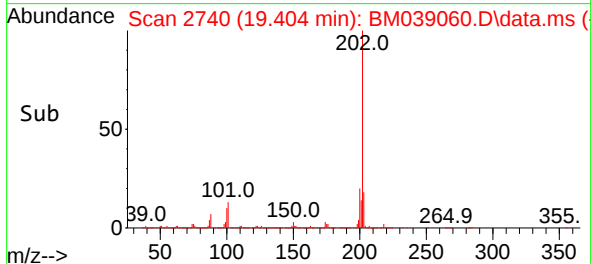
Instrument :
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MAPLE-5



Tgt Ion:202 Resp: 942793
Ion Ratio Lower Upper
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101 12.6 0.0 31.7
203 17.6 0.0 37.6

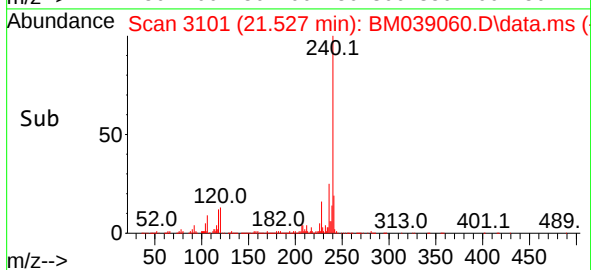
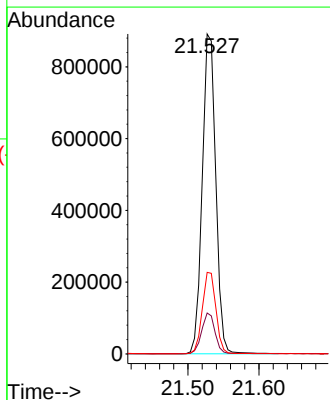
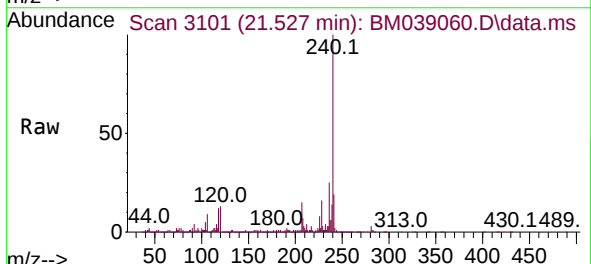
Manual Integrations
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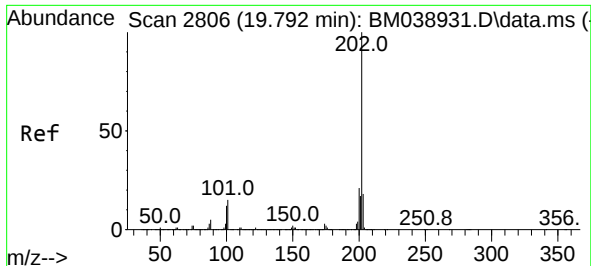
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3101
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

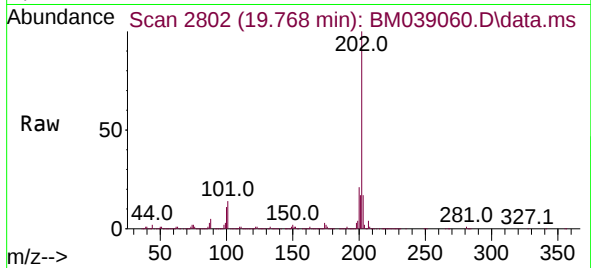
Tgt Ion:240 Resp: 1172271
Ion Ratio Lower Upper
240 100
120 12.8 9.2 13.8
236 25.5 20.8 31.2





#78
Pyrene
Concen: 9.504 ng
RT: 19.768 min Scan# 2802
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

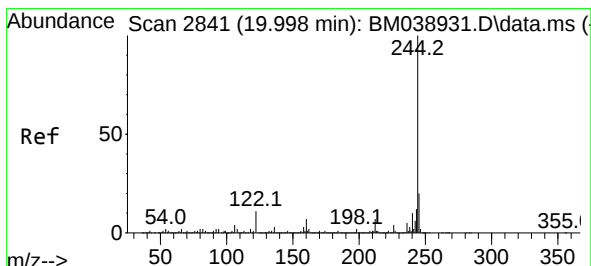
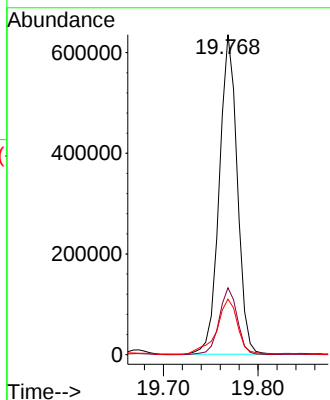
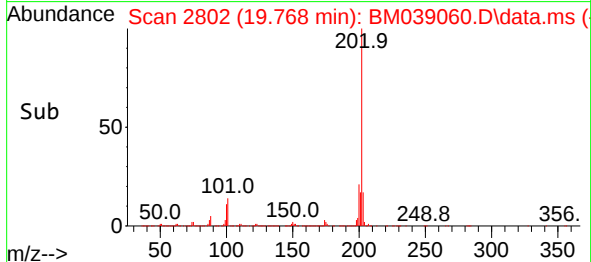
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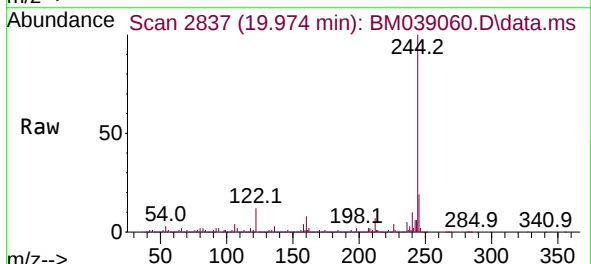
Tgt Ion:202 Resp: 83678
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.3 14.1 21.1

Manual Integrations
APPROVED

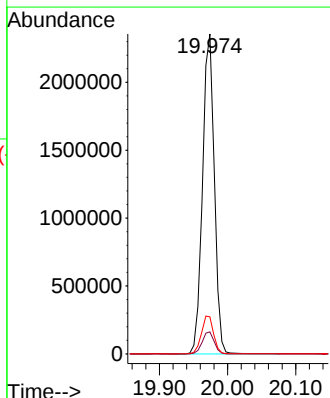
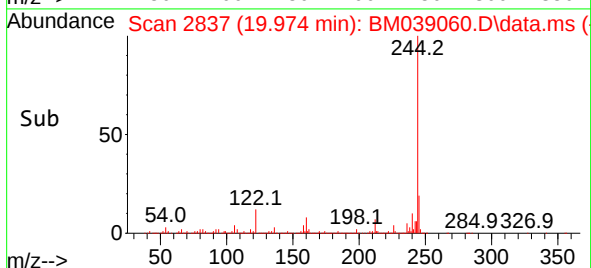
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

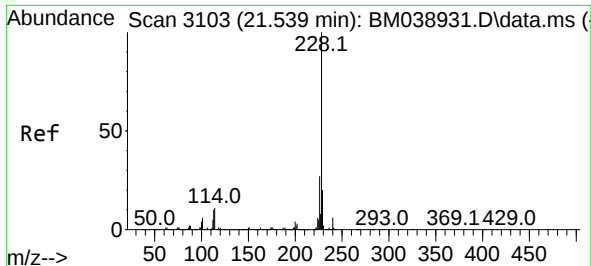


#79
Terphenyl-d14
Concen: 44.262 ng
RT: 19.974 min Scan# 2837
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57



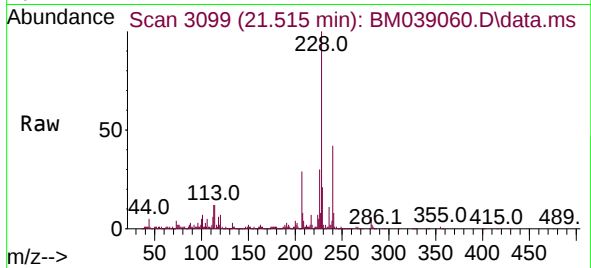
Tgt Ion:244 Resp: 2837960
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.6 9.0 13.4





#81
Benzo(a)anthracene
Concen: 7.407 ng
RT: 21.515 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

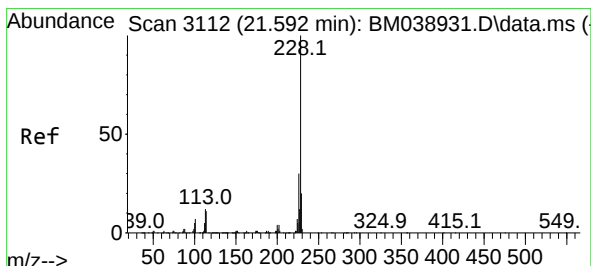
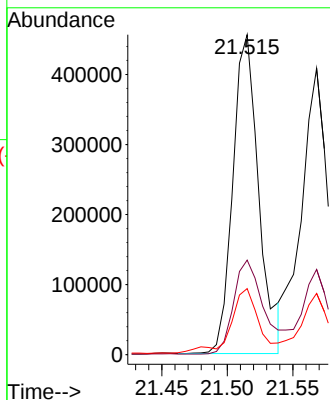
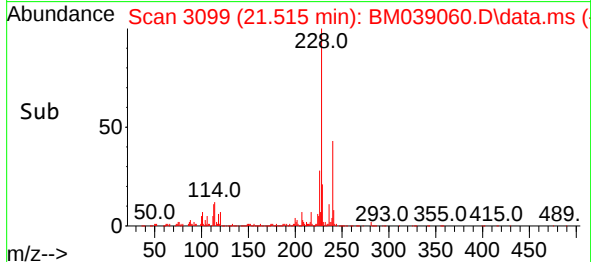
Instrument :
BNA_M
ClientSampleId :
MAPLE-5



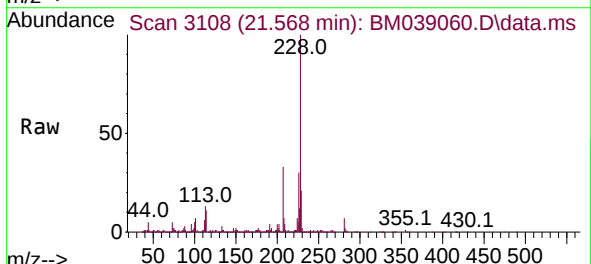
Tgt Ion:228 Resp: 625323
Ion Ratio Lower Upper
228 100
226 29.6 21.4 32.2
229 20.6 15.7 23.5

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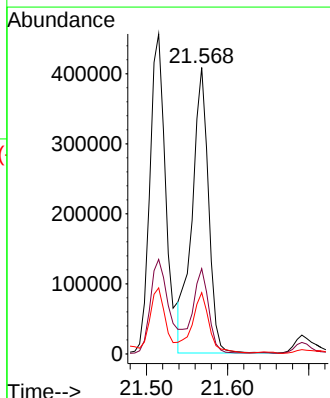
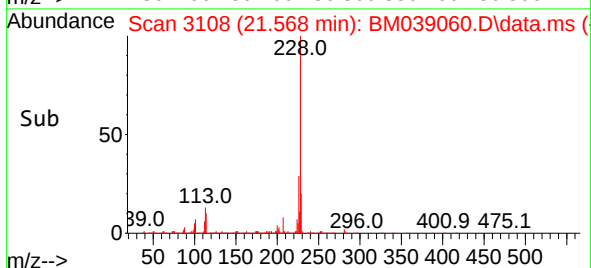
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

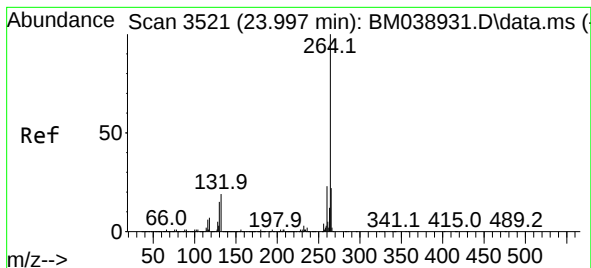


#83
Chrysene
Concen: 6.994 ng
RT: 21.568 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57



Tgt Ion:228 Resp: 574229
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 21.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Instrument :

BNA_M

ClientSampleId :

MAPLE-5

Tgt Ion:264 Resp: 133255

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

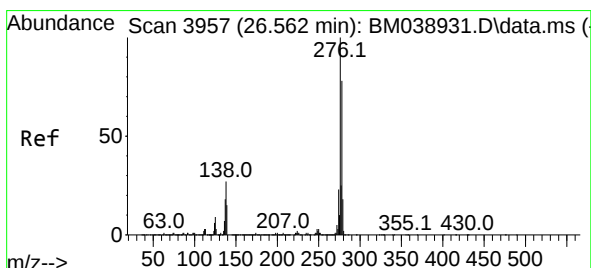
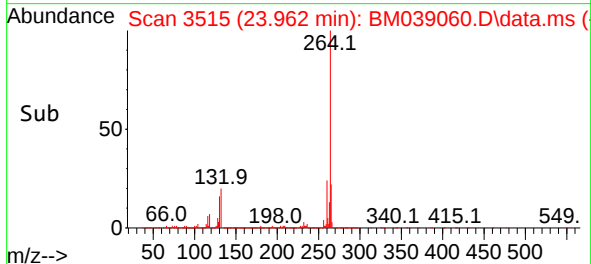
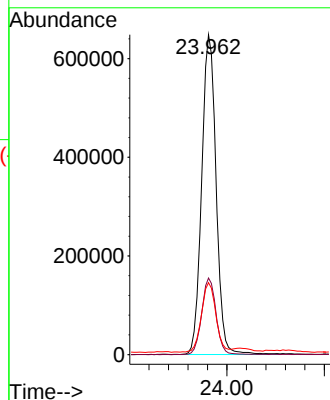
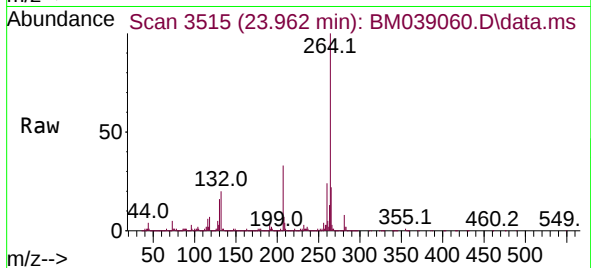
265 22.5 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.570 ng

RT: 26.485 min Scan# 3944

Delta R.T. -0.035 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

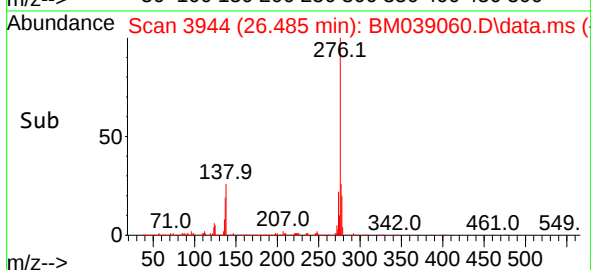
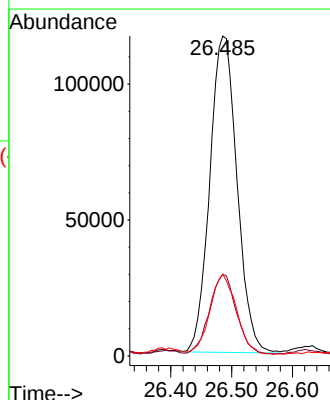
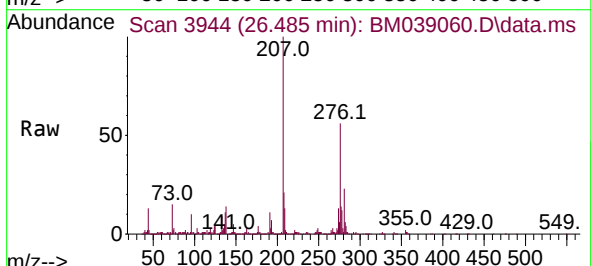
Tgt Ion:276 Resp: 361970

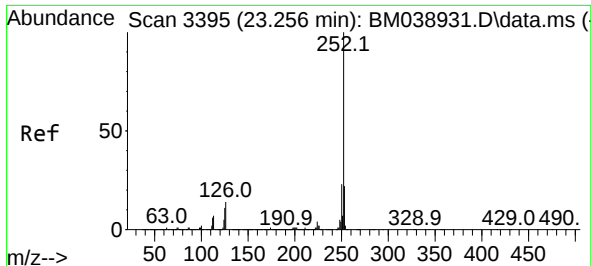
Ion Ratio Lower Upper

276 100

138 24.9 22.1 33.1

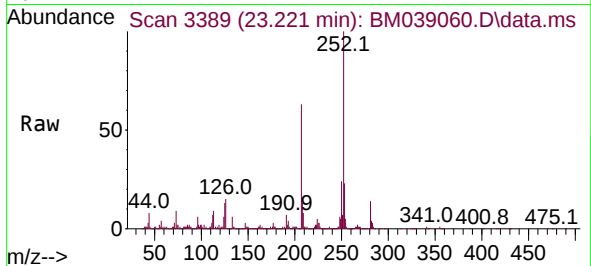
277 24.6 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 9.672 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.018 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

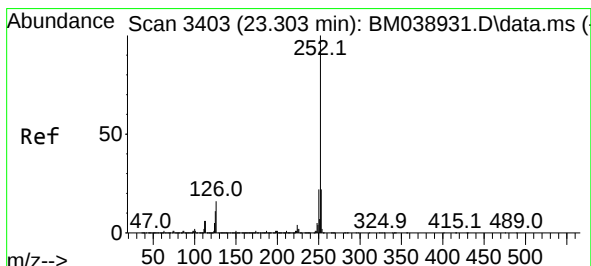
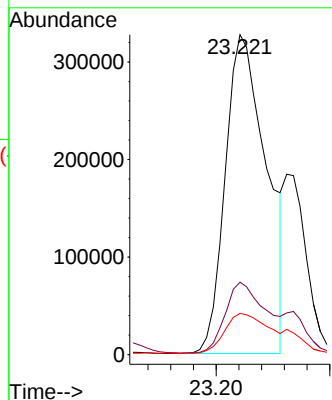
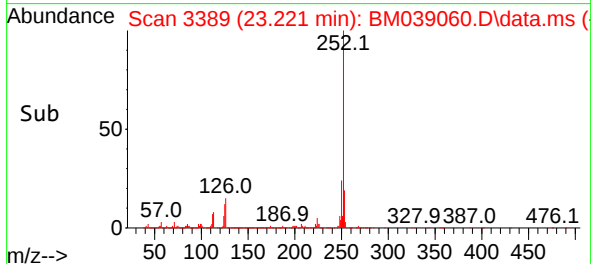
Instrument :
BNA_M
ClientSampleId :
MAPLE-5



Tgt Ion:252 Resp: 82338
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.9 8.8 13.2

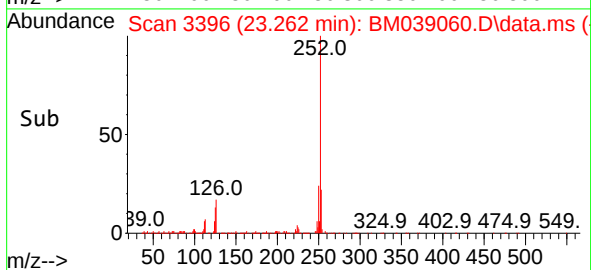
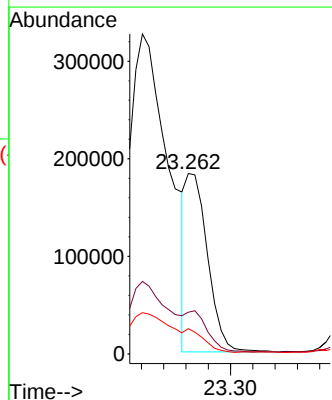
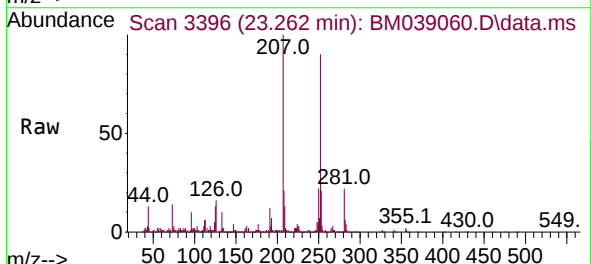
Manual Integrations
APPROVED

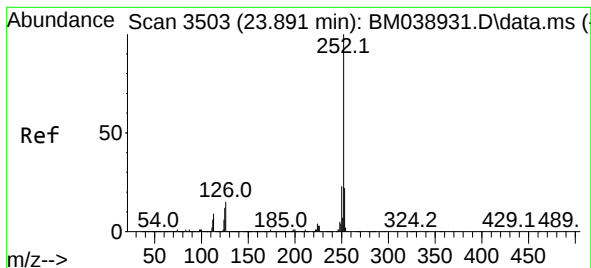
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#89
Benzo(k)fluoranthene
Concen: 2.795 ng m
RT: 23.262 min Scan# 3396
Delta R.T. -0.023 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:252 Resp: 247647
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 14.0 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 6.527 ng

RT: 23.850 min Scan# 34

Delta R.T. -0.023 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Instrument :

BNA_M

ClientSampleId :

MAPLE-5

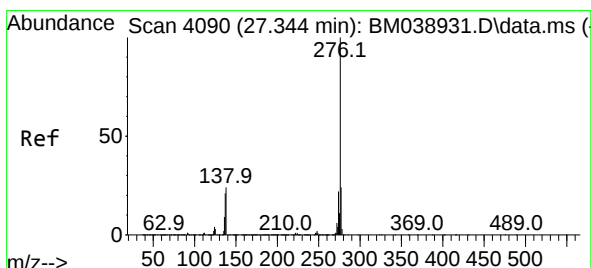
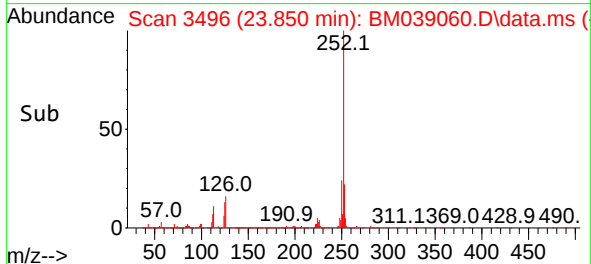
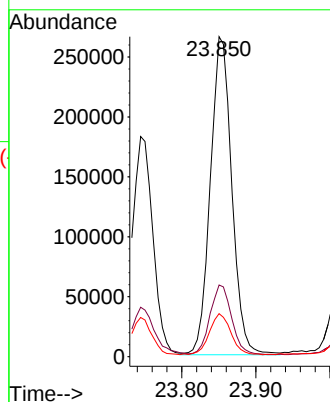
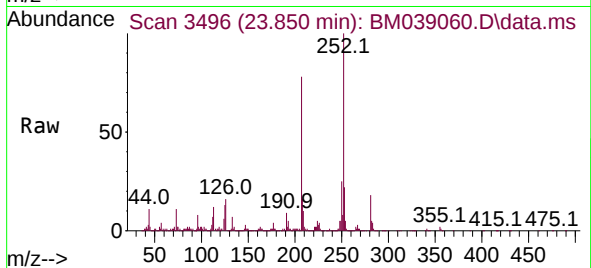
Tgt Ion:252 Resp: 534816

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	13.4	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#92

Benzo(g,h,i)perylene

Concen: 3.890 ng

RT: 27.268 min Scan# 4077

Delta R.T. -0.035 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Tgt Ion:276 Resp: 326812

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.3	28.9
138	25.8	19.0	28.6

