

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039193.D
 Acq On : 28 Mar 2023 23:26
 Operator : CG/JU
 Sample : 02107-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC01DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 01:33:51 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	417114	20.000	ng	0.00
21) Naphthalene-d8	10.746	136	1805441	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	1055535	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1984803	20.000	ng	0.00
76) Chrysene-d12	21.504	240	1231153	20.000	ng	0.00
86) Perylene-d12	23.927	264	1265499	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	462891	16.860	ng	0.00
7) Phenol-d6	7.099	99	626359	17.564	ng	-0.01
23) Nitrobenzene-d5	9.099	82	379390	10.322	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	181971	14.902	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	815325	10.055	ng	0.00
79) Terphenyl-d14	19.945	244	834373	12.391	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.369	178	1323497	11.362	ng	99
72) Anthracene	17.457	178	310201	2.670	ng	99
75) Fluoranthene	19.380	202	2124600	17.274	ng	99
78) Pyrene	19.745	202	1679374	18.161	ng	100
81) Benzo(a)anthracene	21.492	228	860375	9.704	ng	98
83) Chrysene	21.545	228	754394m	8.749	ng	
87) Indeno(1,2,3-cd)pyrene	26.433	276	448966	4.662	ng	96
88) Benzo(b)fluoranthene	23.186	252	936539	11.584	ng	97
89) Benzo(k)fluoranthene	23.233	252	297129m	3.531	ng	
90) Benzo(a)pyrene	23.815	252	627490	8.064	ng	97
92) Benzo(g,h,i)perylene	27.209	276	411318	5.155	ng	98

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

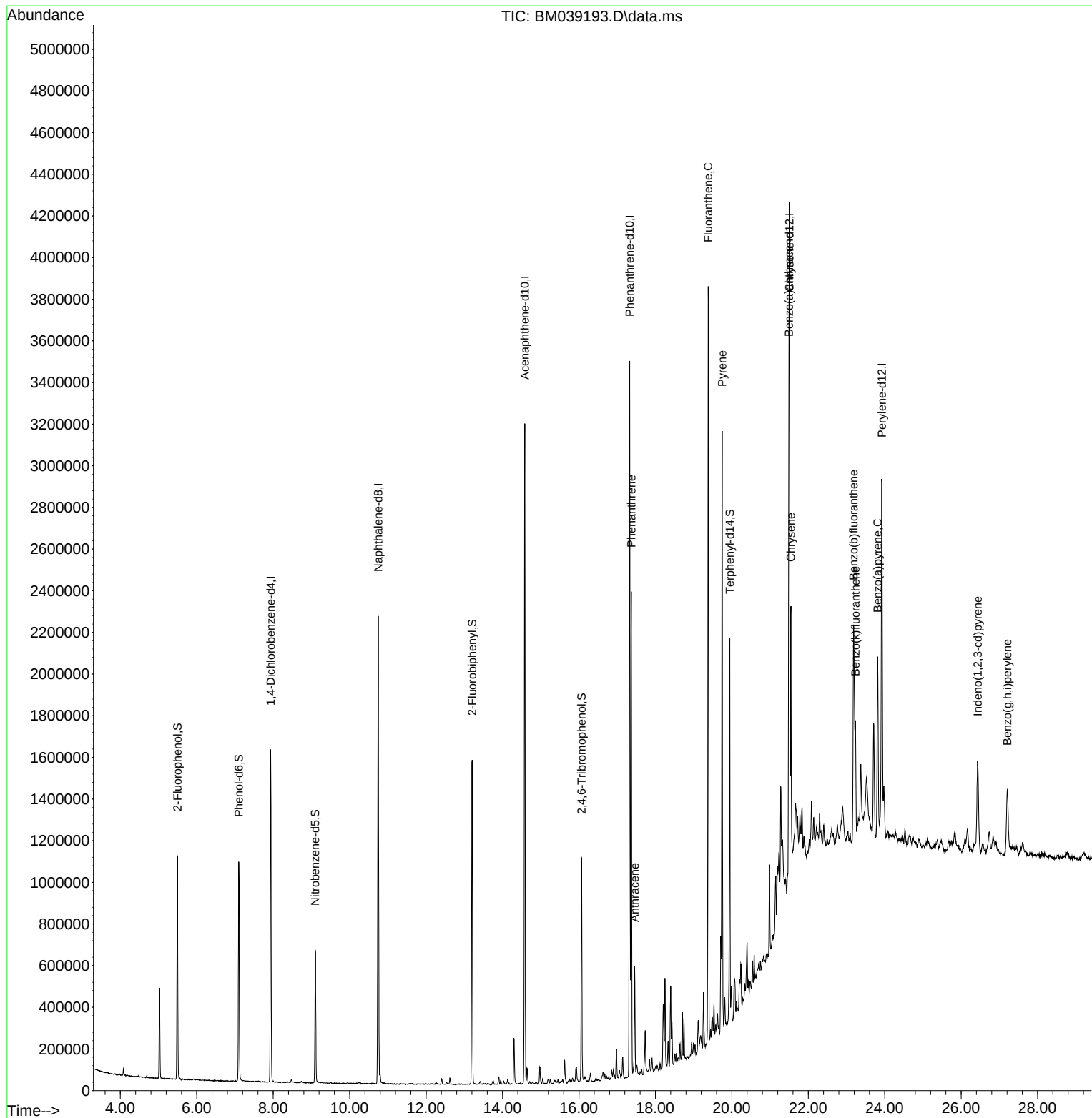
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
Data File : BM039193.D
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ALS Vial : 15 Sample Multiplier: 1

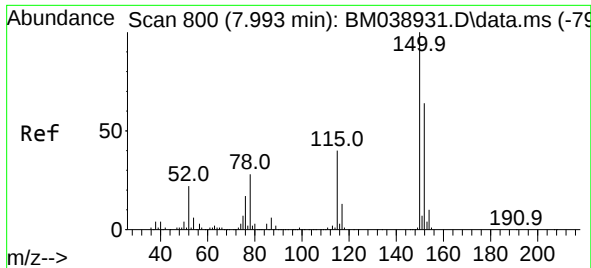
Instrument :
BNA_M
ClientSampleId :
WC01DL

Quant Time: Mar 29 01:33:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
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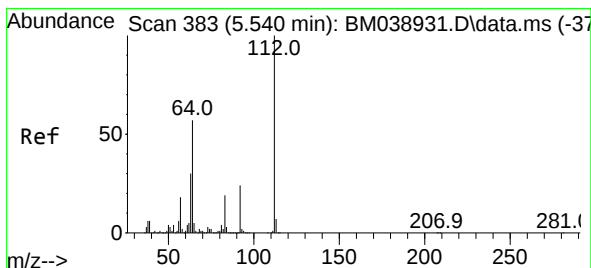
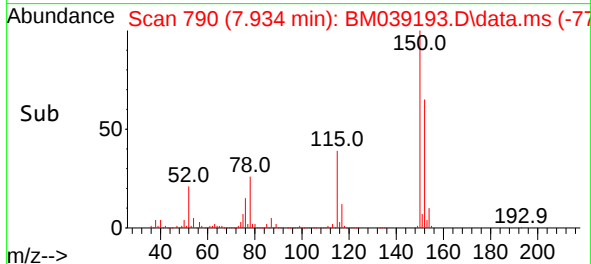
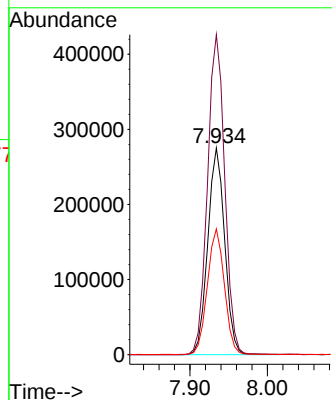
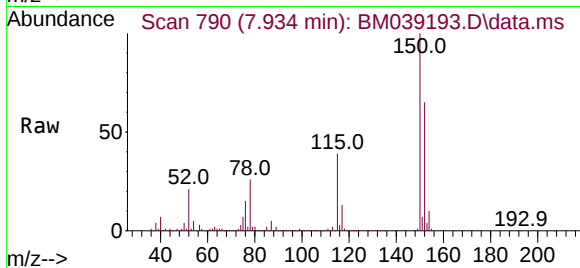
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Instrument :
BNA_M
ClientSampleId :
WC01DL

Tgt Ion:152 Resp: 417114
Ion Ratio Lower Upper
152 100
150 154.8 125.1 187.7
115 60.8 49.6 74.4

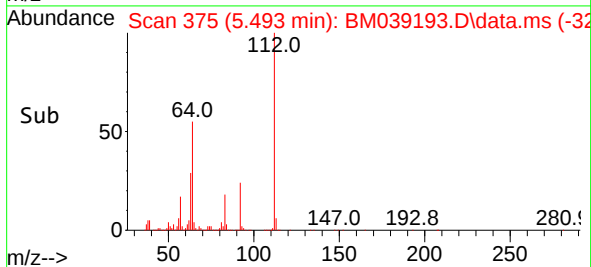
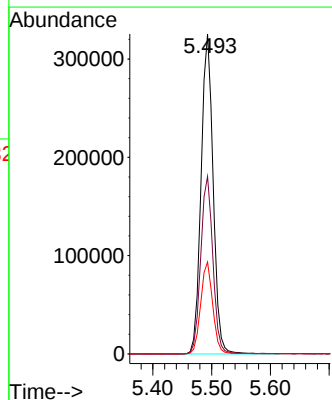
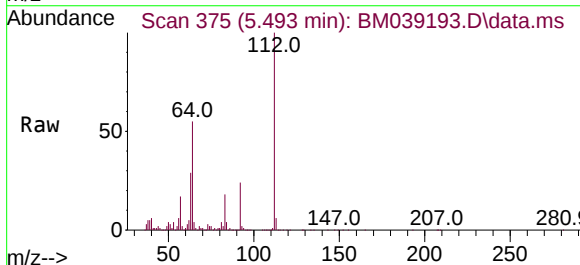
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#5
2-Fluorophenol
Concen: 16.860 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

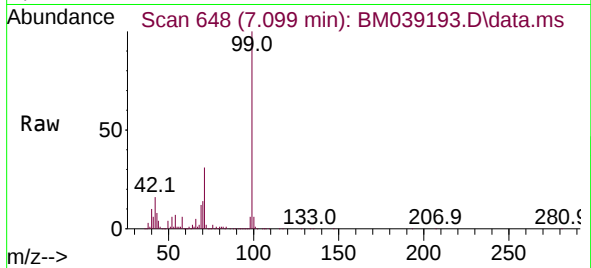
Tgt Ion:112 Resp: 462891
Ion Ratio Lower Upper
112 100
64 55.5 45.9 68.9
63 28.7 23.8 35.8





#7
Phenol-d6
Concen: 17.564 ng
RT: 7.099 min Scan# 64
Delta R.T. -0.011 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

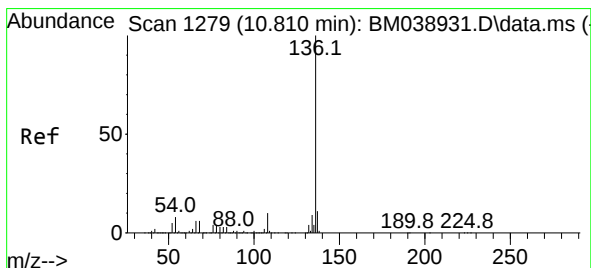
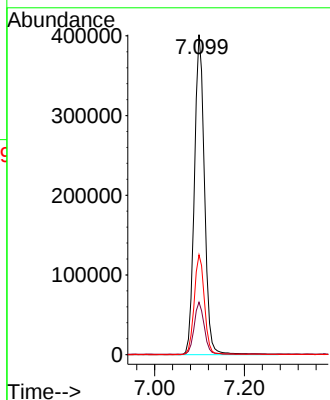
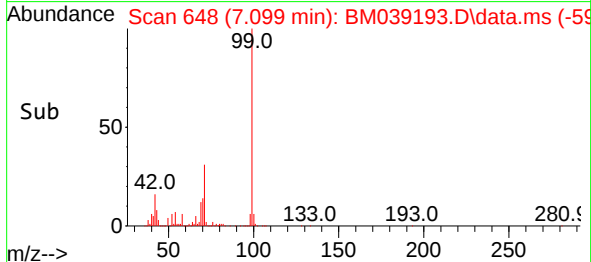
Instrument :
BNA_M
ClientSampleId :
WC01DL



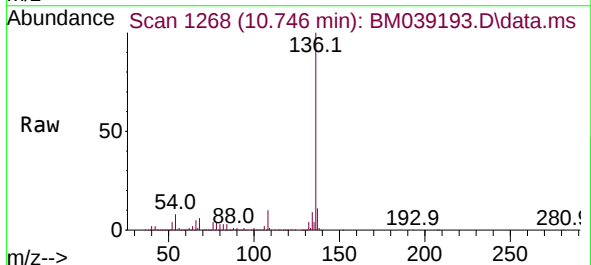
Tgt Ion: 99 Resp: 626359
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 31.2 25.6 38.4

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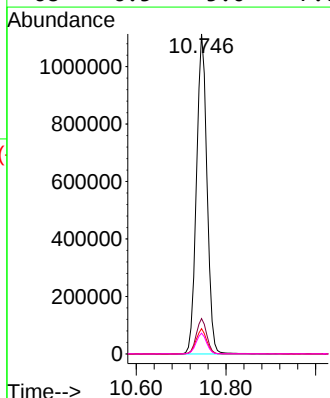
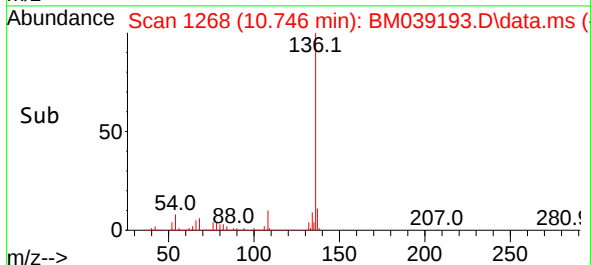
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Supervised By :Jagrut Upadhyay 03/29/2023

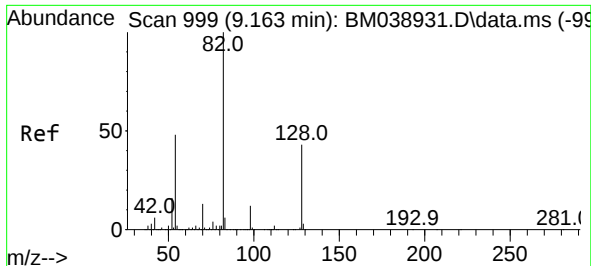


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.746 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26



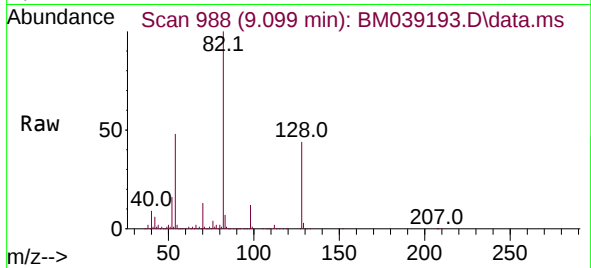
Tgt Ion:136 Resp: 1805441
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.9 6.3 9.5
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 10.322 ng
RT: 9.099 min Scan# 988
Delta R.T. -0.011 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

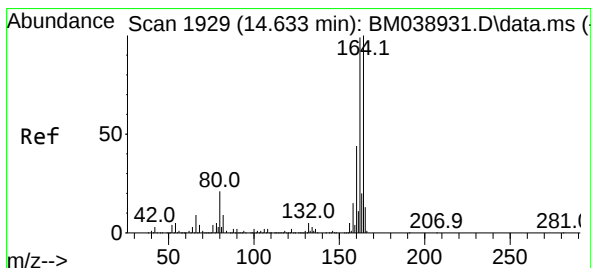
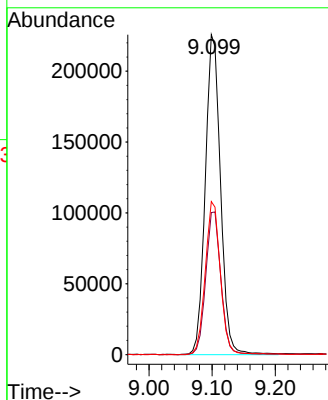
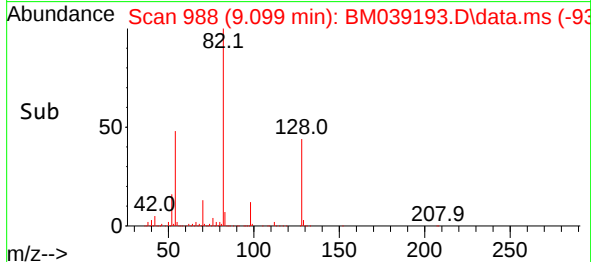
Instrument :
BNA_M
ClientSampleId :
WC01DL



Tgt Ion: 82 Resp: 379390
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 47.8 38.8 58.2

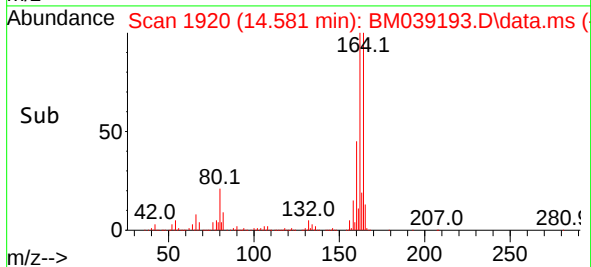
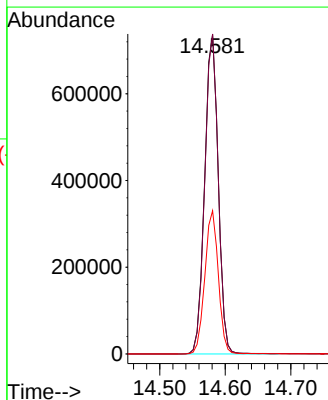
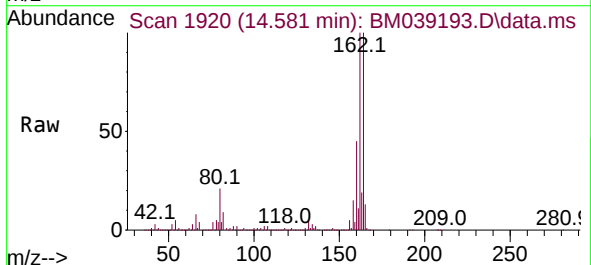
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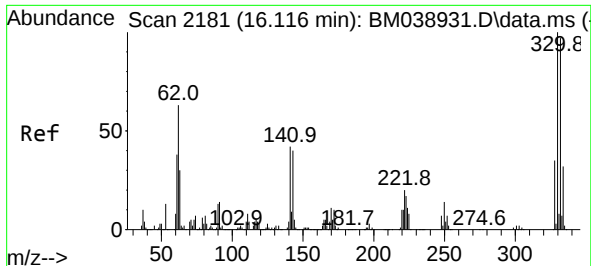
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:164 Resp: 1055535
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 44.8 35.5 53.3





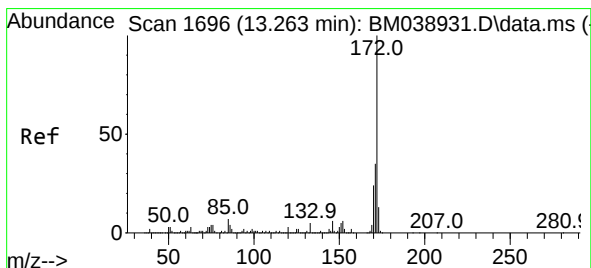
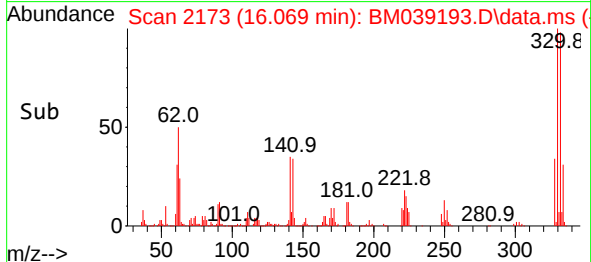
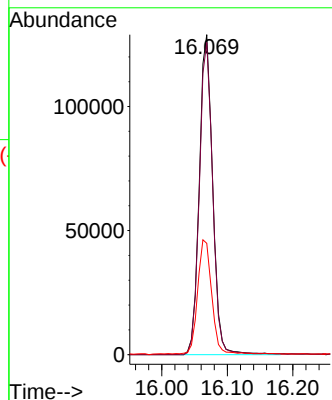
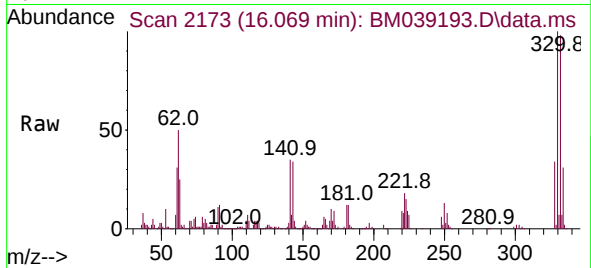
#42
2,4,6-Tribromophenol
Concen: 14.902 ng
RT: 16.069 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Instrument :
BNA_M
ClientSampleId :
WC01DL

Tgt Ion:330 Resp: 18197
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 38.8 32.2 48.4

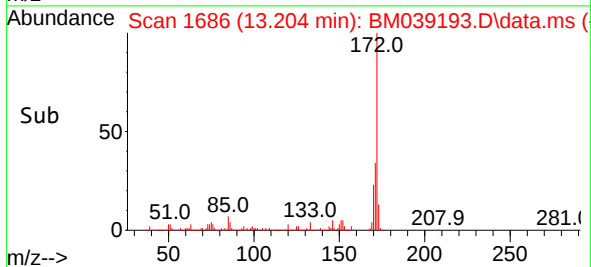
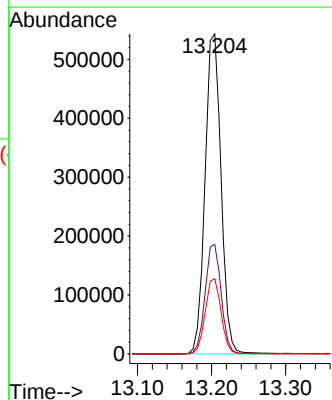
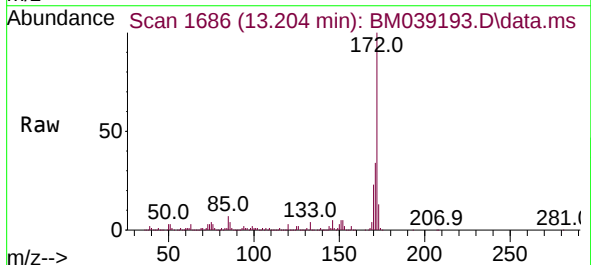
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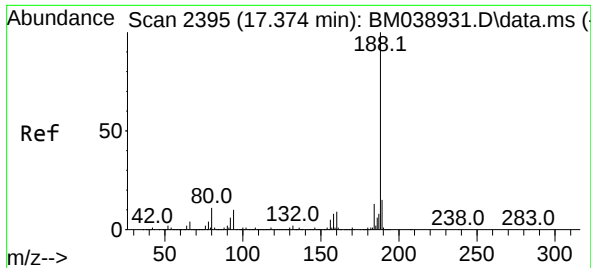
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#45
2-Fluorobiphenyl
Concen: 10.055 ng
RT: 13.204 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:172 Resp: 815325
Ion Ratio Lower Upper
172 100
171 34.2 28.2 42.2
170 23.5 19.1 28.7





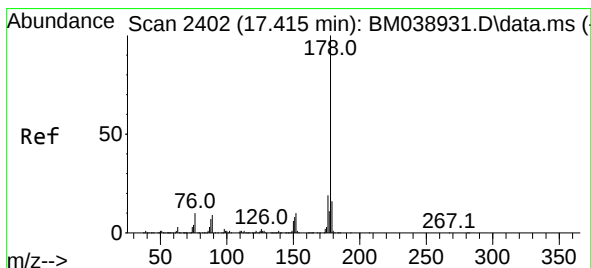
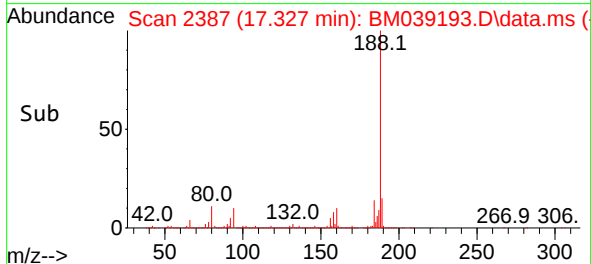
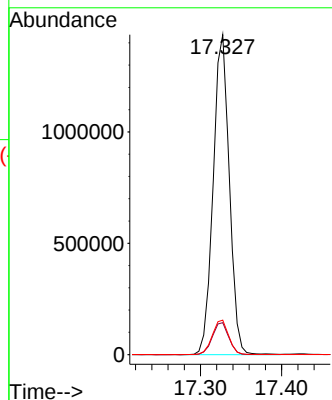
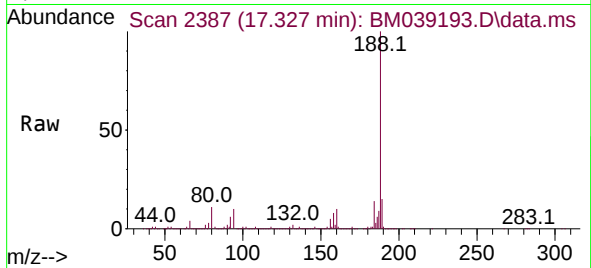
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Instrument :
BNA_M
ClientSampleId :
WC01DL

Tgt Ion:188 Resp: 1984803
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.8 8.5 12.7

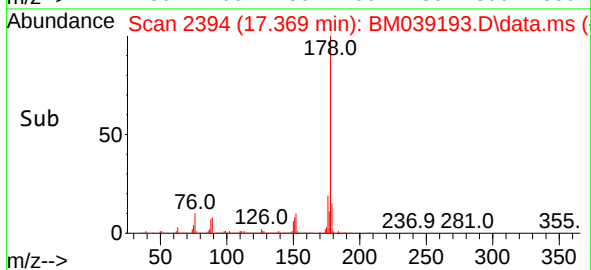
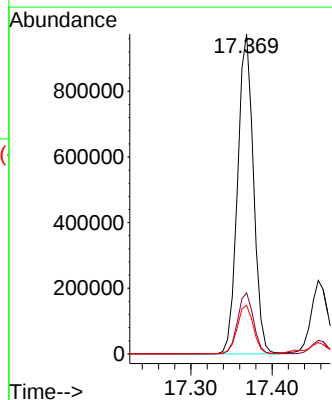
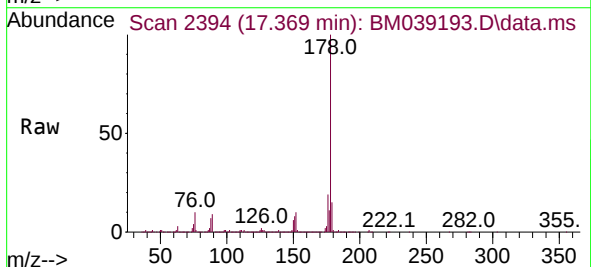
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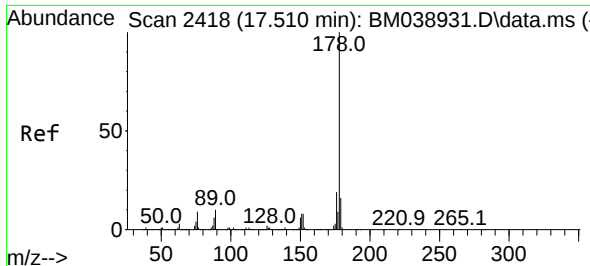
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#71
Phenanthrene
Concen: 11.362 ng
RT: 17.369 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:178 Resp: 1323497
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.2 12.5 18.7





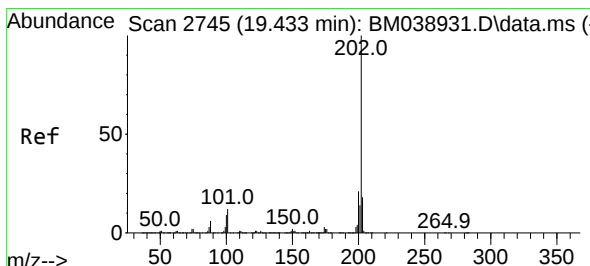
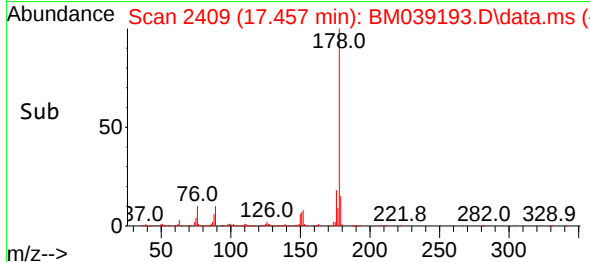
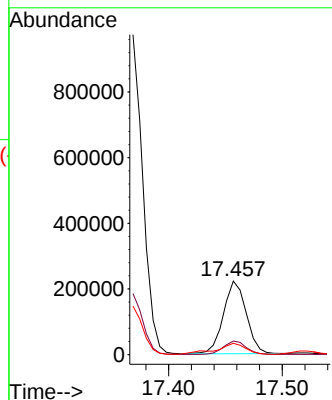
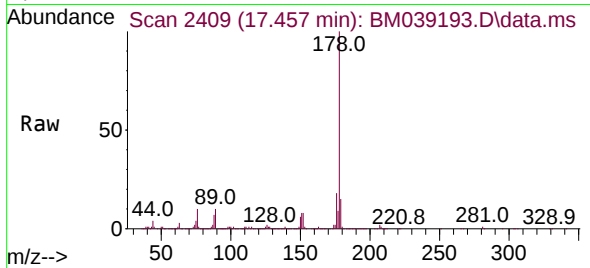
#72
 Anthracene
 Concen: 2.670 ng
 RT: 17.457 min Scan# 2418
 Delta R.T. -0.006 min
 Lab File: BM039193.D
 Acq: 28 Mar 2023 23:26

Instrument :
 BNA_M
 ClientSampleId :
 WC01DL

Tgt Ion:178 Resp: 310201
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 15.5 12.5 18.7

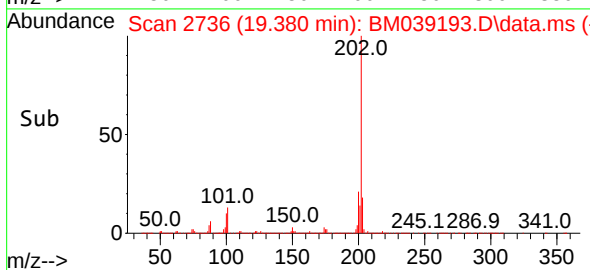
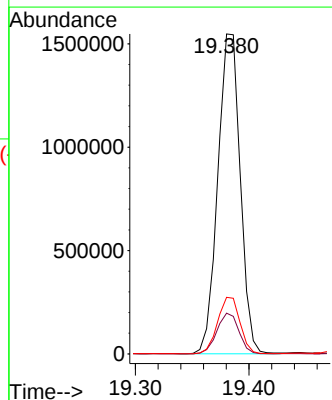
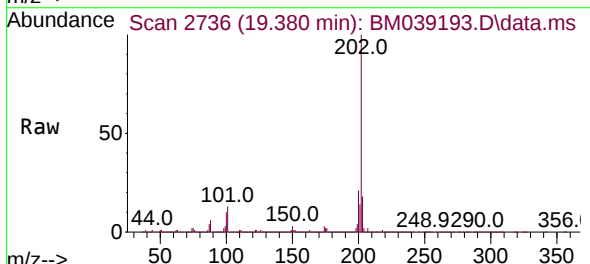
Manual Integrations
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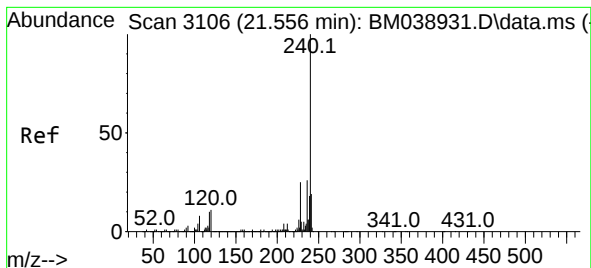
Reviewed By :Christian Giraldo 03/29/2023
 Supervised By :Jagrut Upadhyay 03/29/2023



#75
 Fluoranthene
 Concen: 17.274 ng
 RT: 19.380 min Scan# 2736
 Delta R.T. -0.006 min
 Lab File: BM039193.D
 Acq: 28 Mar 2023 23:26

Tgt Ion:202 Resp: 2124600
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 31.7
 203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.504 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

Instrument :

BNA_M

ClientSampleId :

WC01DL

Tgt Ion:240 Resp: 1231153

Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

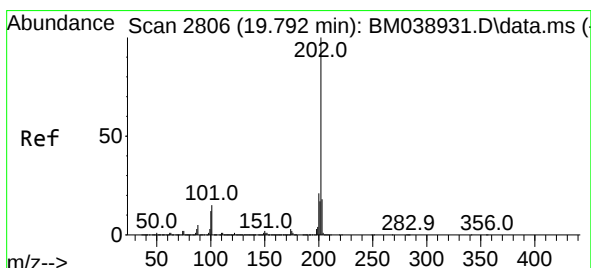
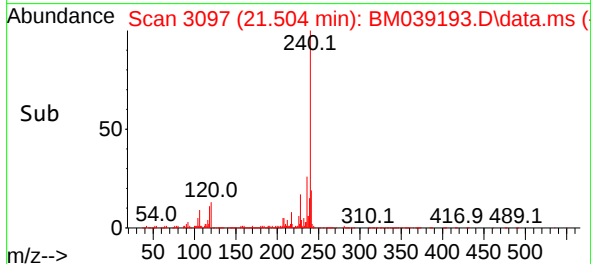
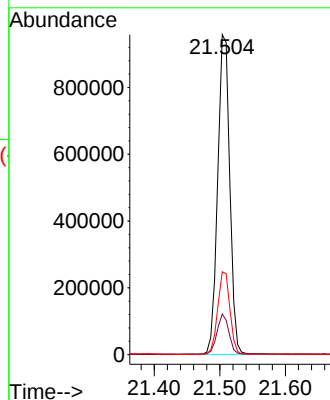
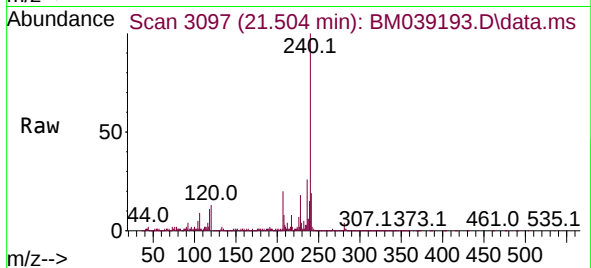
236 25.9 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/29/2023

Supervised By :Jagrut Upadhyay 03/29/2023



#78

Pyrene

Concen: 18.161 ng

RT: 19.745 min Scan# 2798

Delta R.T. -0.006 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

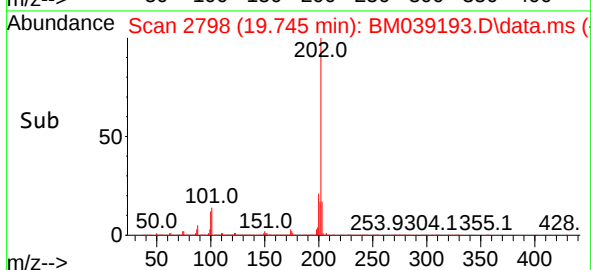
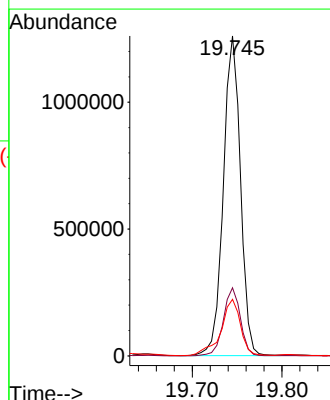
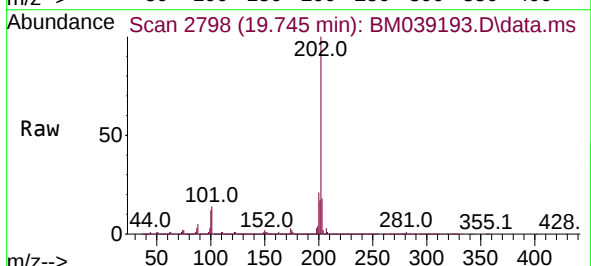
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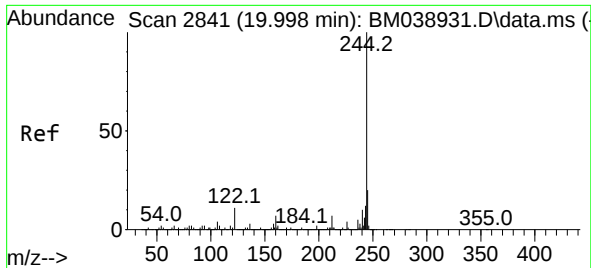
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.7 14.1 21.1





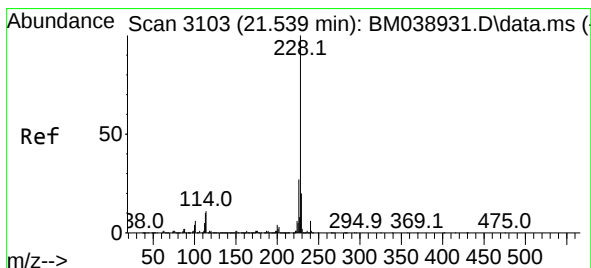
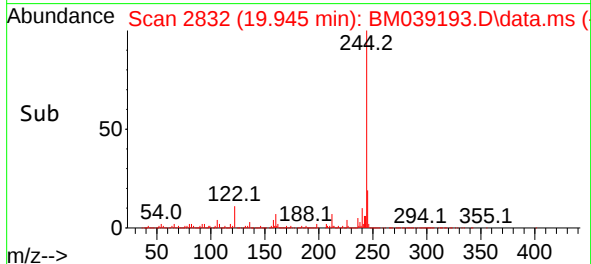
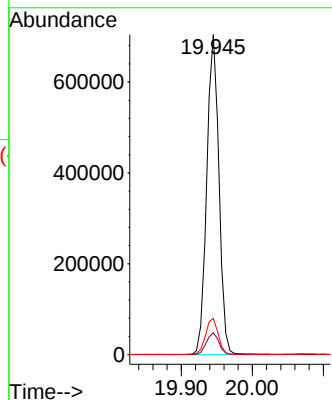
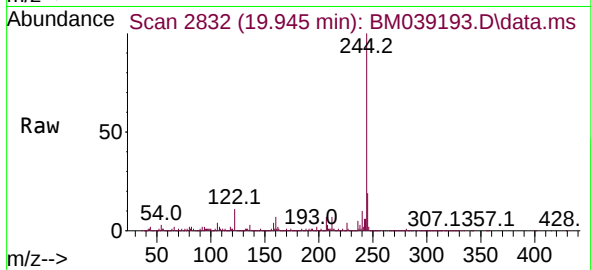
#79
 Terphenyl-d14
 Concen: 12.391 ng
 RT: 19.945 min Scan# 2841
 Delta R.T. -0.006 min
 Lab File: BM039193.D
 Acq: 28 Mar 2023 23:26

Instrument :
 BNA_M
 ClientSampleId :
 WC01DL

Tgt Ion:244 Resp: 834373
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.3 9.0 13.4

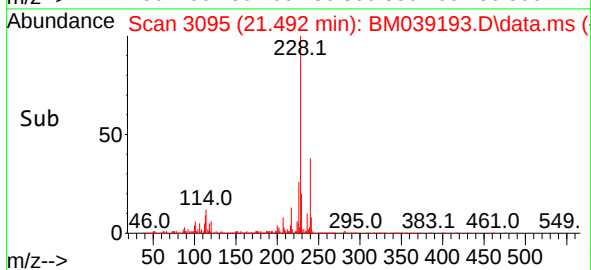
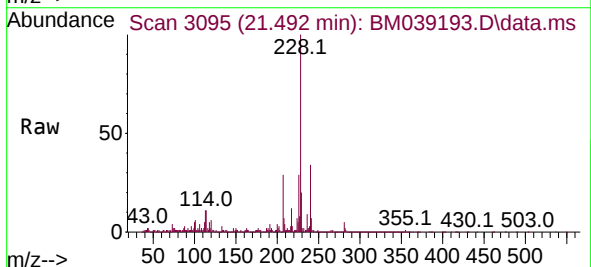
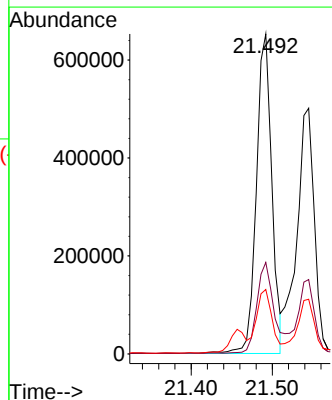
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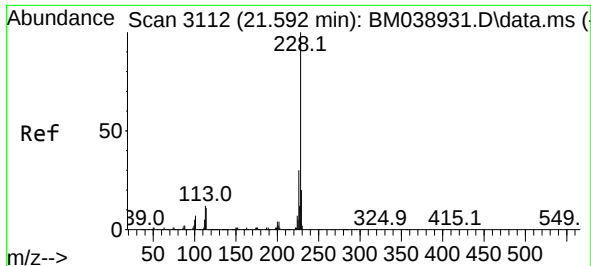
Reviewed By :Christian Giraldo 03/29/2023
 Supervised By :Jagrut Upadhyay 03/29/2023



#81
 Benzo(a)anthracene
 Concen: 9.704 ng
 RT: 21.492 min Scan# 3095
 Delta R.T. 0.000 min
 Lab File: BM039193.D
 Acq: 28 Mar 2023 23:26

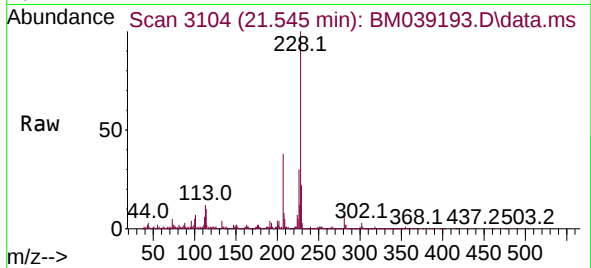
Tgt Ion:228 Resp: 860375
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.4 32.2
 229 20.1 15.7 23.5





#83
Chrysene
Concen: 8.749 ng m
RT: 21.545 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

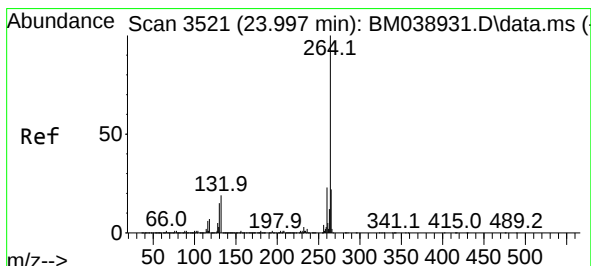
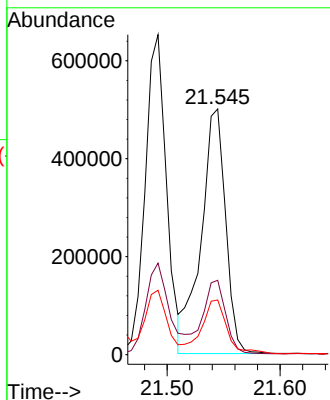
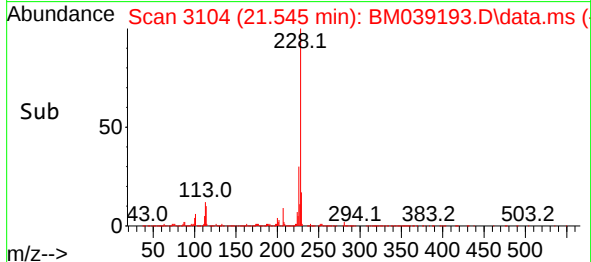
Instrument :
BNA_M
ClientSampleId :
WC01DL



Tgt Ion:228 Resp: 754394
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 22.2 16.0 24.0

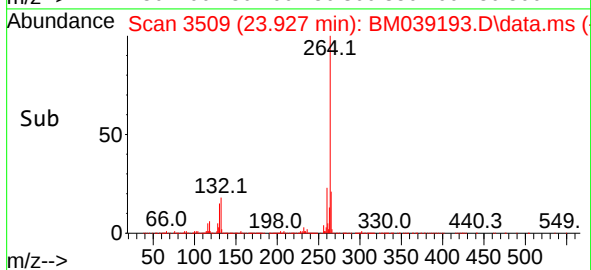
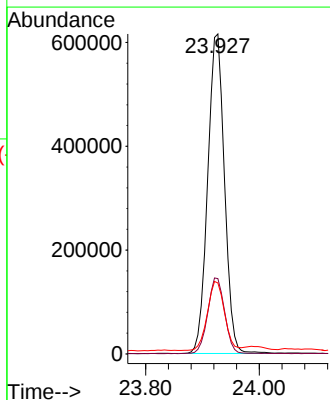
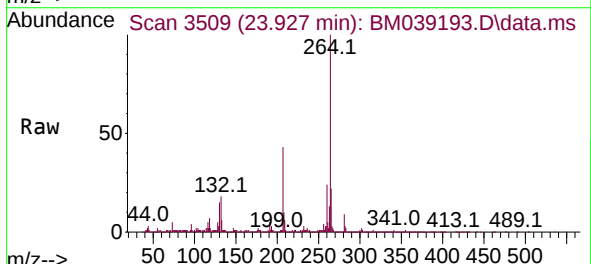
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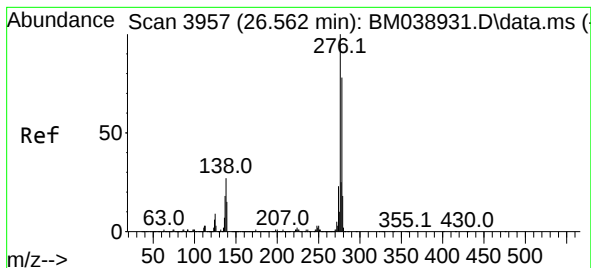
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3509
Delta R.T. 0.000 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:264 Resp: 1265499
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.2 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.662 ng

RT: 26.433 min Scan# 3957

Delta R.T. -0.023 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

Instrument :

BNA_M

ClientSampleId :

WC01DL

Tgt Ion:276 Resp: 448966

Ion Ratio Lower Upper

276 100

138 24.2 22.1 33.1

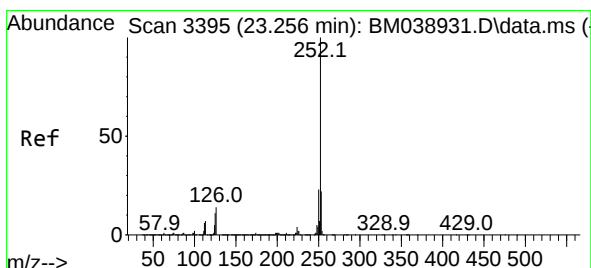
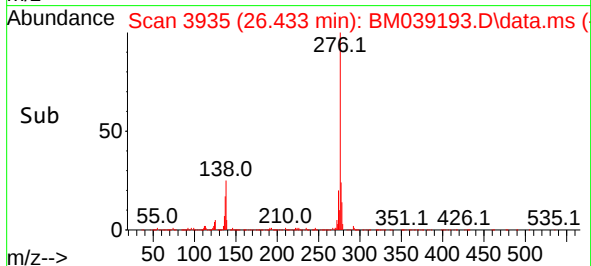
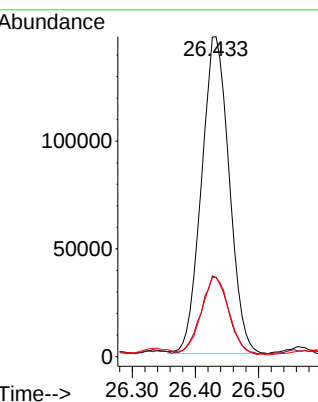
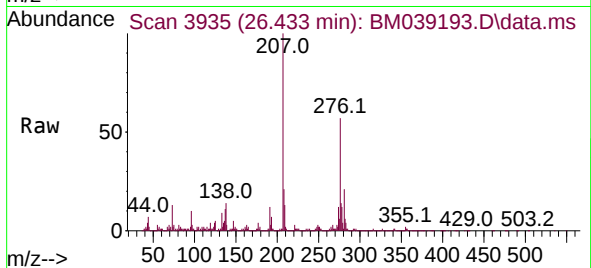
277 25.0 20.1 30.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/29/2023

Supervised By :Jagrut Upadhyay 03/29/2023



#88

Benzo(b)fluoranthene

Concen: 11.584 ng

RT: 23.186 min Scan# 3383

Delta R.T. -0.006 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

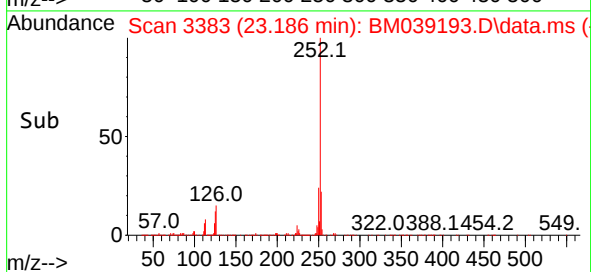
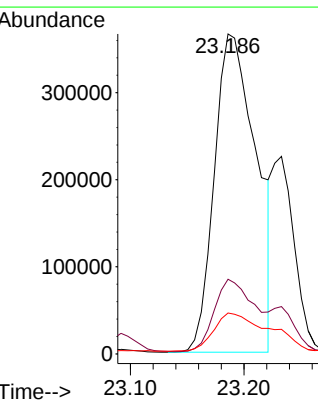
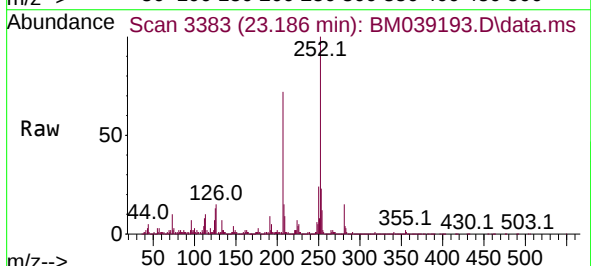
Tgt Ion:252 Resp: 936539

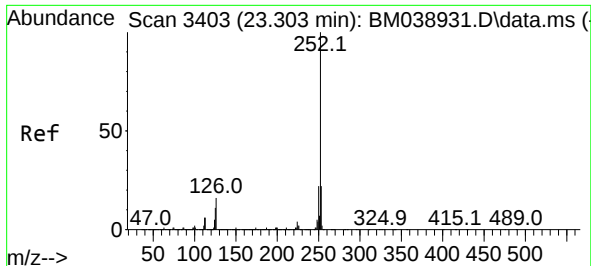
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

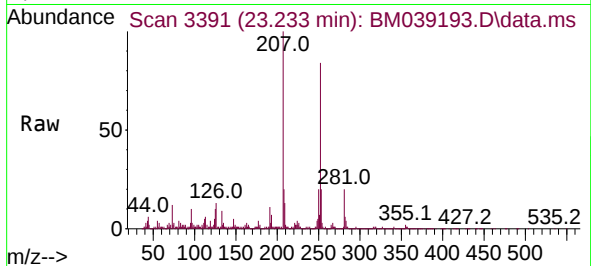
125 12.8 8.8 13.2





#89
Benzo(k)fluoranthene
Concen: 3.531 ng m
RT: 23.233 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

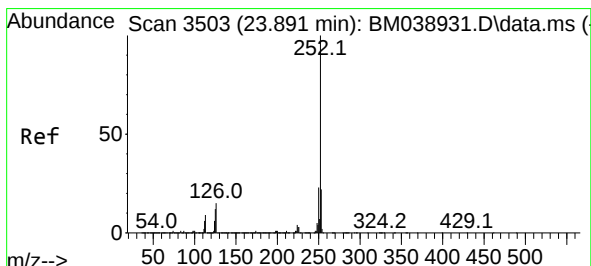
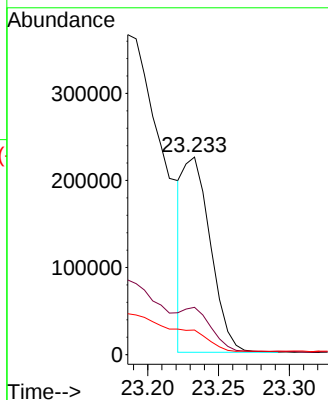
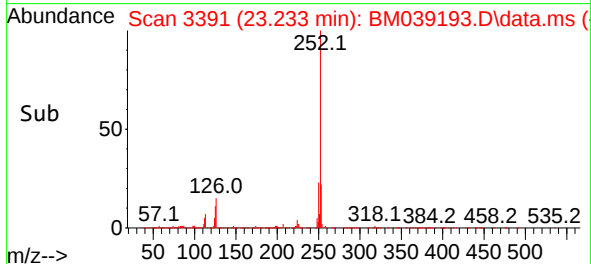
Instrument :
BNA_M
ClientSampleId :
WC01DL



Tgt Ion:252 Resp: 297129
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 12.4 8.9 13.3

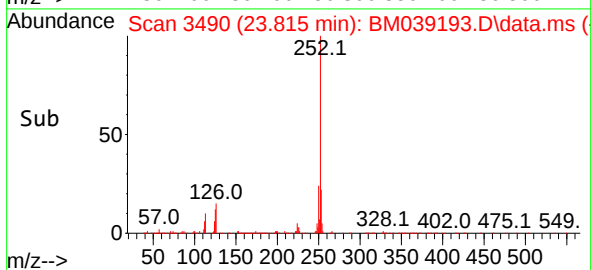
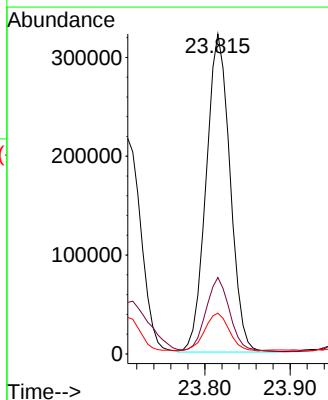
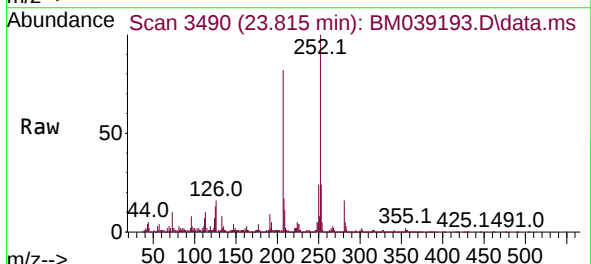
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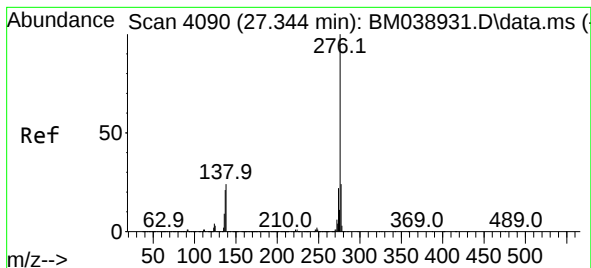
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#90
Benzo(a)pyrene
Concen: 8.064 ng
RT: 23.815 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

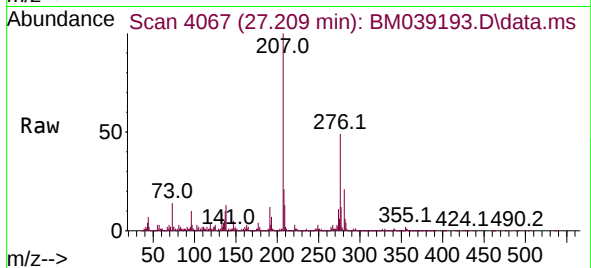
Tgt Ion:252 Resp: 627490
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.7 9.8 14.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.155 ng
 RT: 27.209 min Scan# 4067
 Delta R.T. -0.017 min
 Lab File: BM039193.D
 Acq: 28 Mar 2023 23:26

Instrument :
 BNA_M
 ClientSampleId :
 WC01DL



Tgt Ion:	276	Resp:	411318
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.3	28.9
138	25.6	19.0	28.6

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

