

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
 Data File : BM039153.D
 Acq On : 24 Mar 2023 22:14
 Operator : CG/JU
 Sample : 02064-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-032323

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/27/2023
 Supervised By : Jagrut Upadhyay 03/27/2023

Quant Time: Mar 25 01:09:52 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 24 15:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	239287	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	984287	20.000	ng	-0.01
39) Acenaphthene-d10	14.592	164	571371	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1171894	20.000	ng	-0.01
76) Chrysene-d12	21.515	240	1046734	20.000	ng	-0.01
86) Perylene-d12	23.945	264	1160163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.505	112	1252050	79.496	ng	0.00
7) Phenol-d6	7.111	99	1644348	80.378	ng	0.00
23) Nitrobenzene-d5	9.116	82	973204	48.568	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	543081	82.162	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	2073669	47.246	ng	0.00
79) Terphenyl-d14	19.957	244	2958295	51.673	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.316	152	136062	2.340	ng	98
71) Phenanthrene	17.380	178	205215	2.984	ng	99
75) Fluoranthene	19.392	202	415947	5.728	ng	98
78) Pyrene	19.757	202	476729	6.064	ng	99
81) Benzo(a)anthracene	21.498	228	261289	3.466	ng	93
83) Chrysene	21.551	228	253732	3.461	ng	97
87) Indeno(1,2,3-cd)pyrene	26.456	276	239048	2.708	ng	97
88) Benzo(b)fluoranthene	23.204	252	423450m	5.713	ng	
90) Benzo(a)pyrene	23.833	252	323461	4.534	ng	# 95
92) Benzo(g,h,i)perylene	27.239	276	254450	3.479	ng	98

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

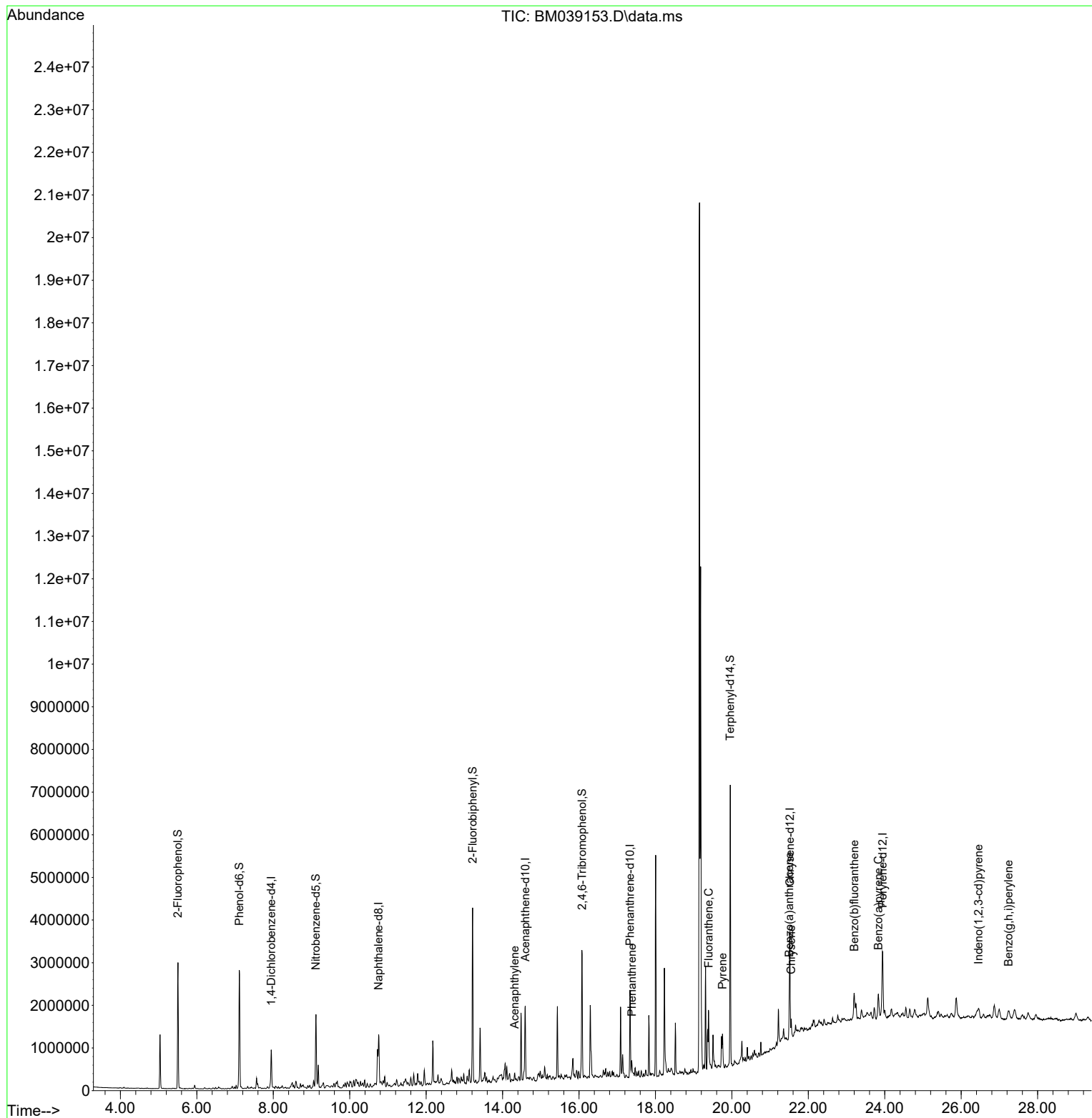
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
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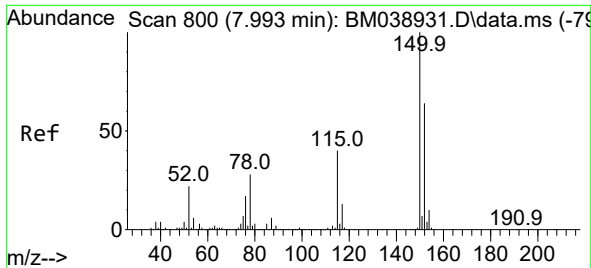
Instrument :
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Quant Time: Mar 25 01:09:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
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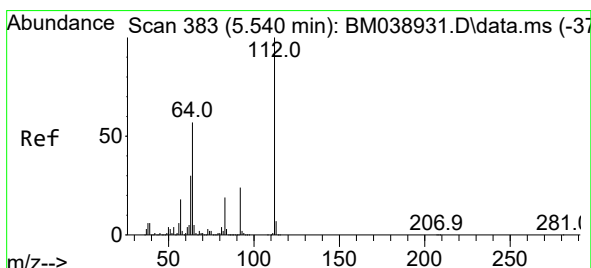
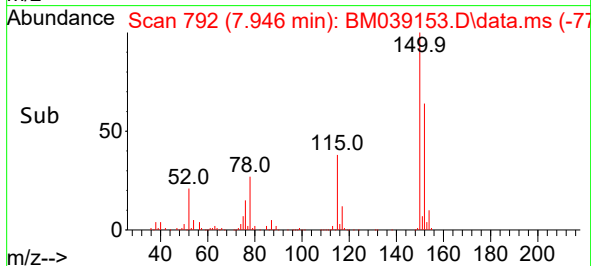
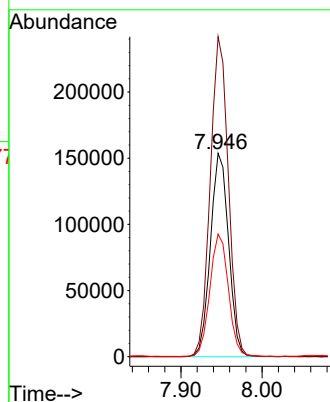
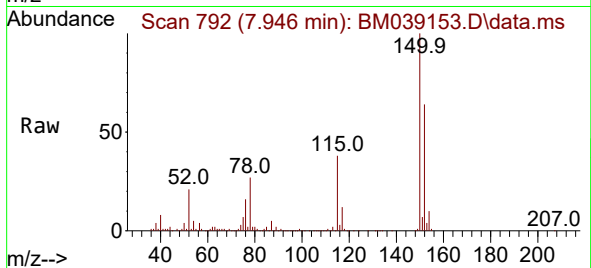
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 74
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Instrument :
BNA_M
ClientSampleId :
BU-03-032323

Tgt Ion:152 Resp: 23928
Ion Ratio Lower Upper
152 100
150 157.4 125.1 187.7
115 60.3 49.6 74.4

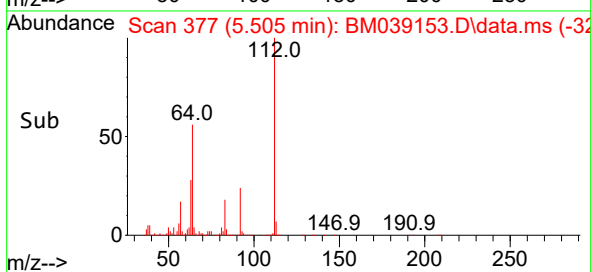
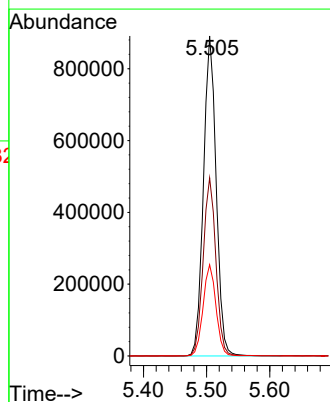
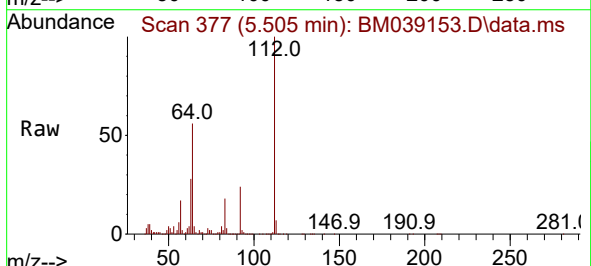
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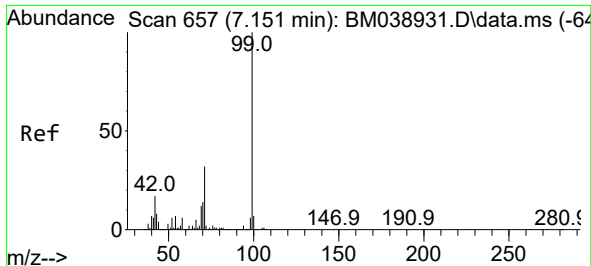
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#5
2-Fluorophenol
Concen: 79.496 ng
RT: 5.505 min Scan# 377
Delta R.T. 0.000 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

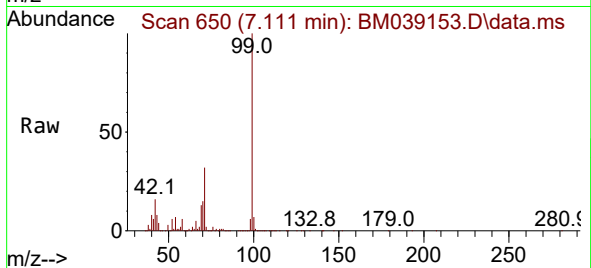
Tgt Ion:112 Resp: 1252050
Ion Ratio Lower Upper
112 100
64 55.7 45.9 68.9
63 28.5 23.8 35.8





#7
Phenol-d6
Concen: 80.378 ng
RT: 7.111 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

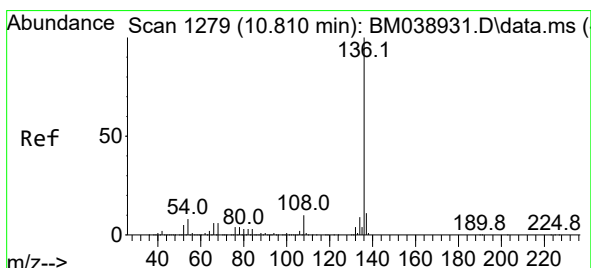
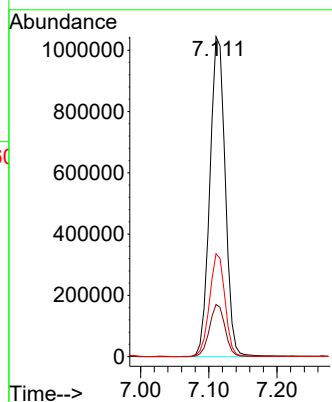
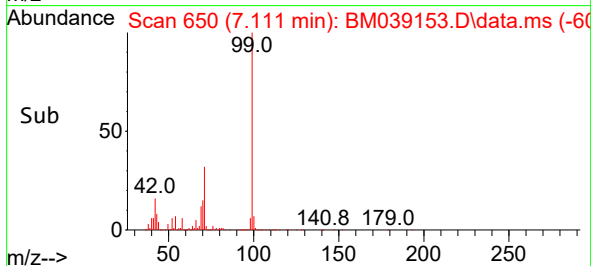
Instrument :
BNA_M
ClientSampleId :
BU-03-032323



Tgt Ion: 99 Resp: 1644348
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 32.2 25.6 38.4

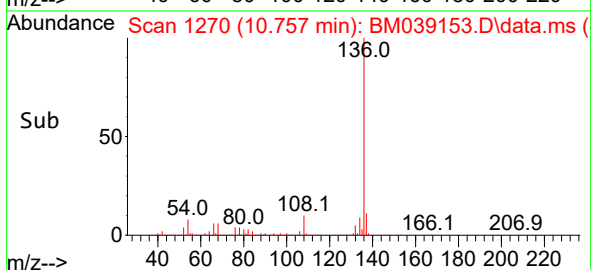
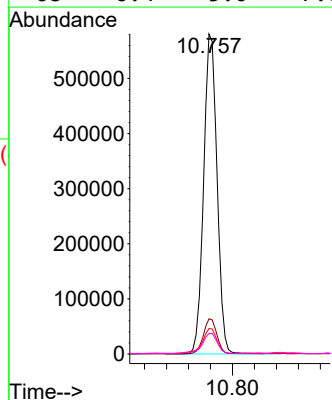
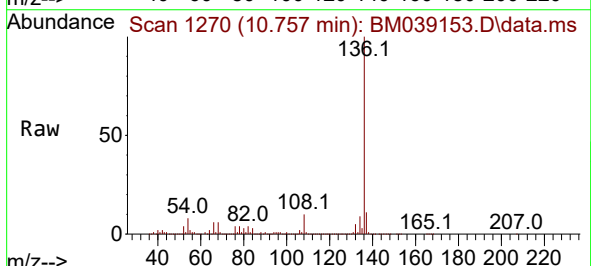
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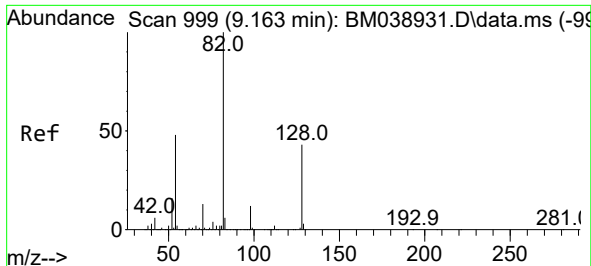
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.011 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

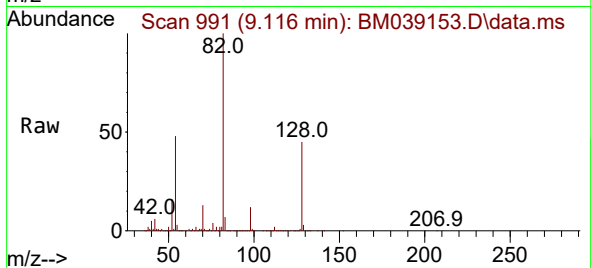
Tgt Ion:136 Resp: 984287
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.0 6.3 9.5
68 6.4 5.0 7.6





#23
Nitrobenzene-d5
Concen: 48.568 ng
RT: 9.116 min Scan# 991
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

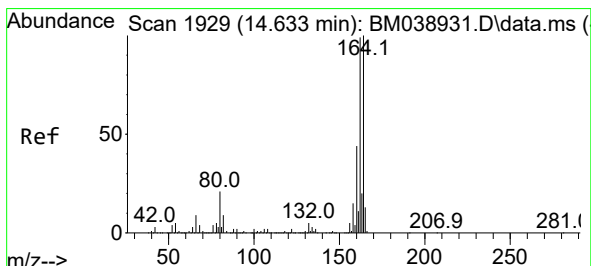
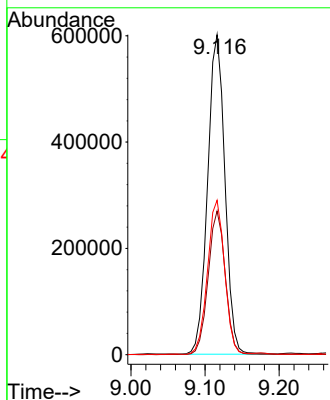
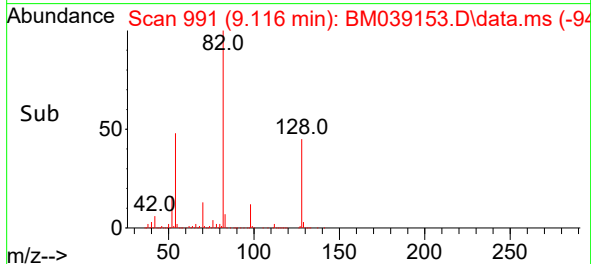
Instrument :
BNA_M
ClientSampleId :
BU-03-032323



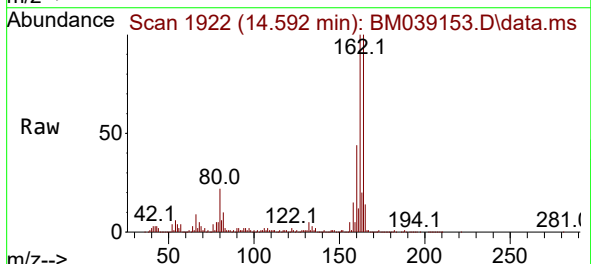
Tgt Ion: 82 Resp: 973204
Ion Ratio Lower Upper
82 100
128 44.9 34.4 51.6
54 48.2 38.8 58.2

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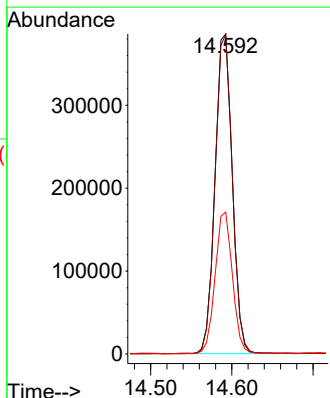
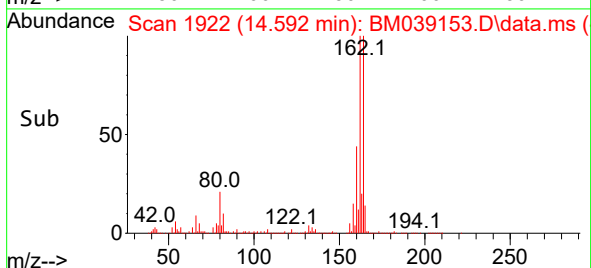
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023

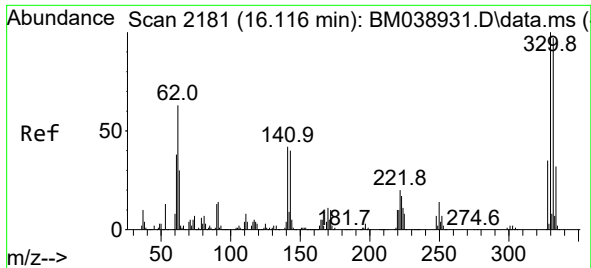


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1922
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14



Tgt Ion:164 Resp: 571371
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.4 35.5 53.3





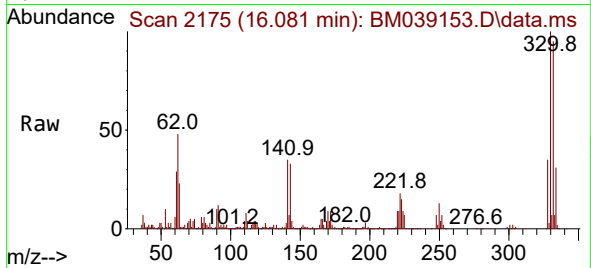
#42
2,4,6-Tribromophenol
Concen: 82.162 ng
RT: 16.081 min Scan# 2181
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

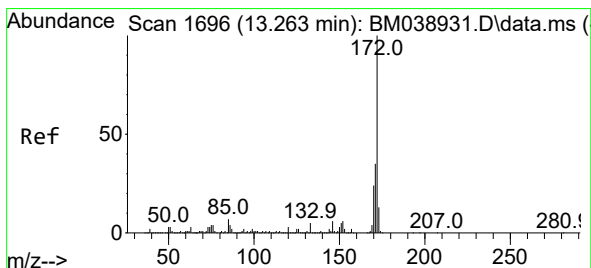
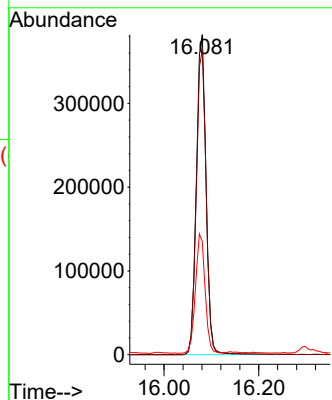
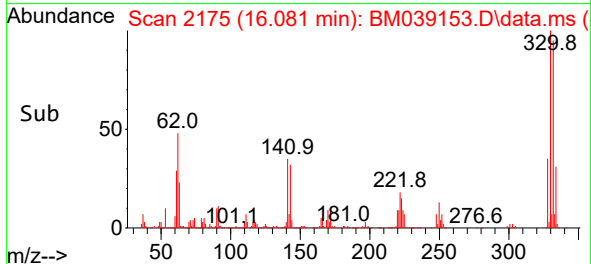


Tgt Ion:330 Resp: 54308
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 37.0 32.2 48.4

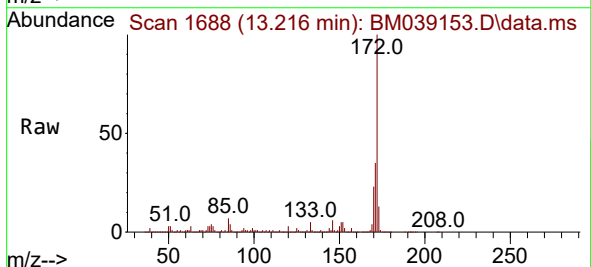
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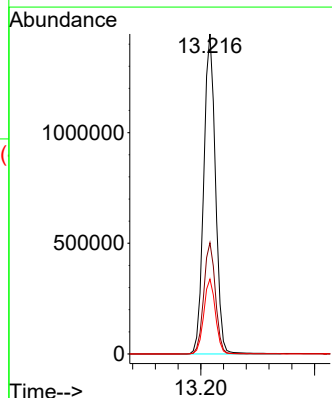
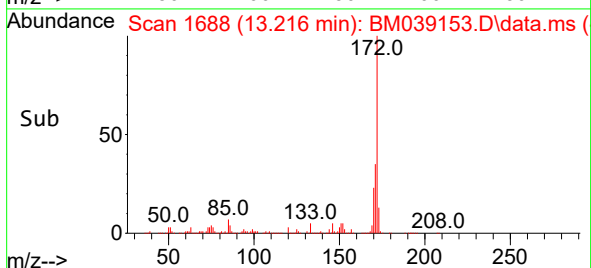
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023

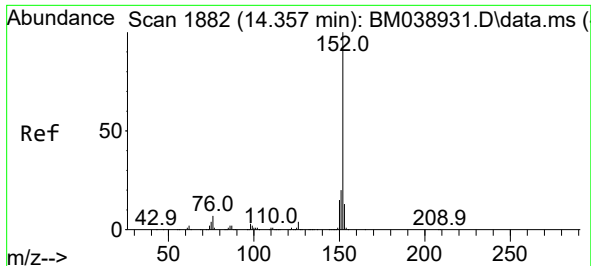


#45
2-Fluorobiphenyl
Concen: 47.246 ng
RT: 13.216 min Scan# 1688
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14



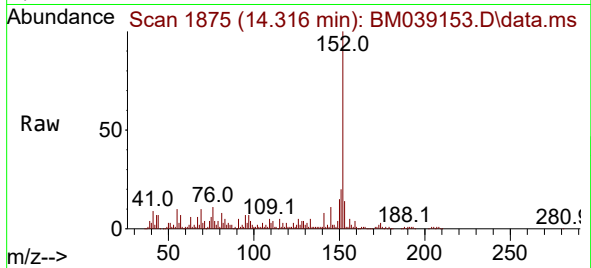
Tgt Ion:172 Resp: 2073669
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.4 19.1 28.7





#49
Acenaphthylene
Concen: 2.340 ng
RT: 14.316 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

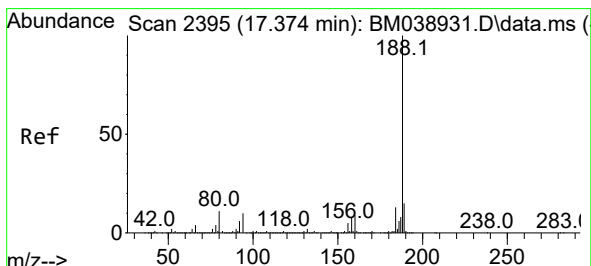
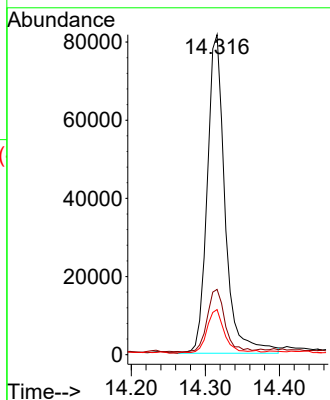
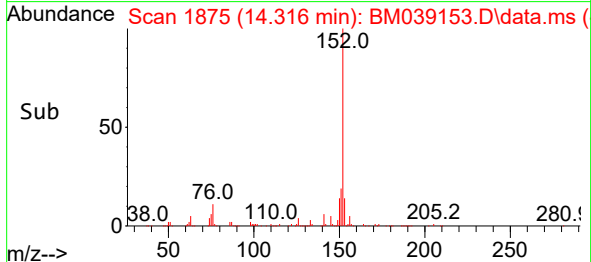
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ClientSampleId :
BU-03-032323



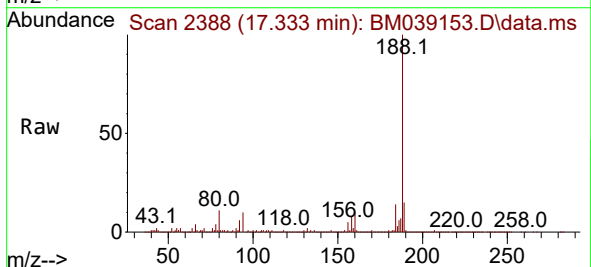
Tgt Ion:152 Resp: 136062
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 14.1 10.4 15.6

Manual Integrations
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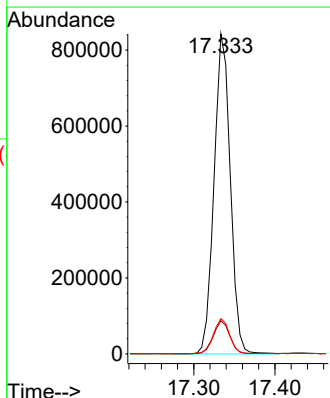
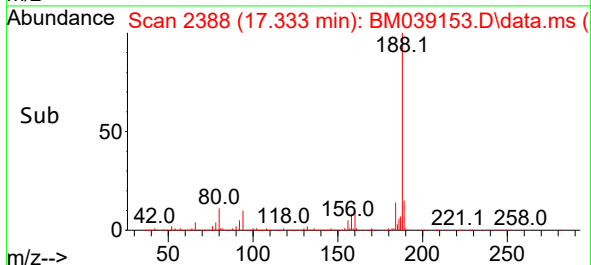
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023

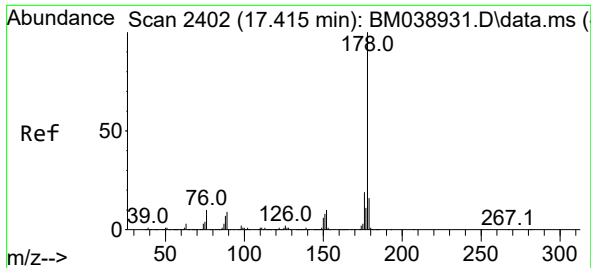


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2388
Delta R.T. -0.011 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14



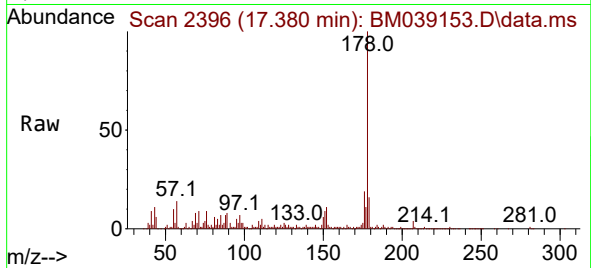
Tgt Ion:188 Resp: 1171894
Ion Ratio Lower Upper
188 100
94 10.4 7.9 11.9
80 11.1 8.5 12.7





#71
Phenanthrene
Concen: 2.984 ng
RT: 17.380 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

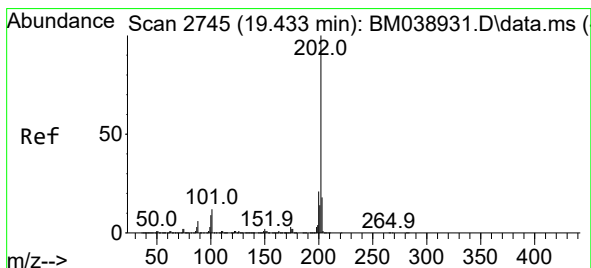
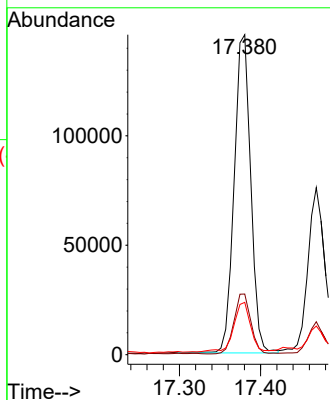
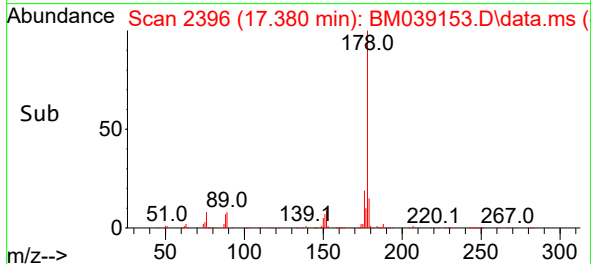
Instrument :
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ClientSampleId :
BU-03-032323



Tgt Ion:178 Resp: 205215
Ion Ratio Lower Upper
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176 18.9 15.6 23.4
179 16.4 12.5 18.7

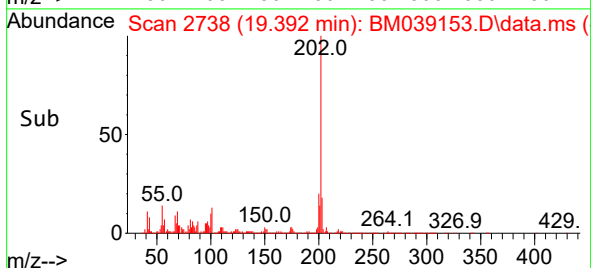
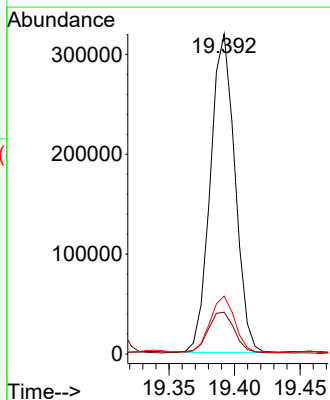
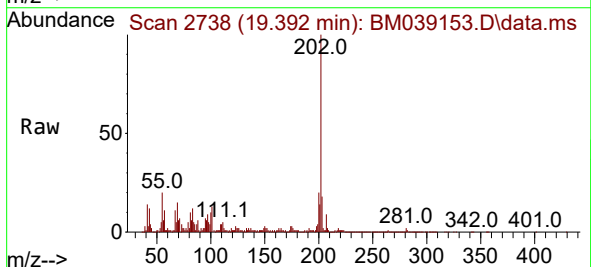
Manual Integrations
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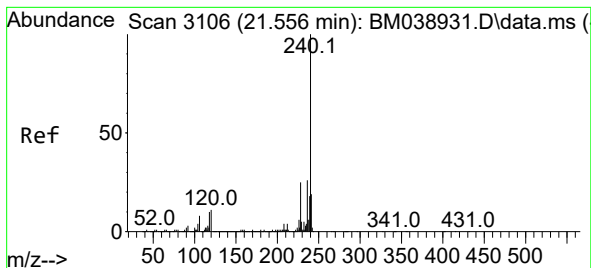
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#75
Fluoranthene
Concen: 5.728 ng
RT: 19.392 min Scan# 2738
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:202 Resp: 415947
Ion Ratio Lower Upper
202 100
101 13.1 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. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

Tgt Ion:240 Resp: 1046734

Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

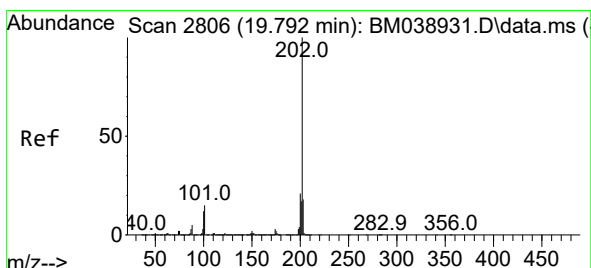
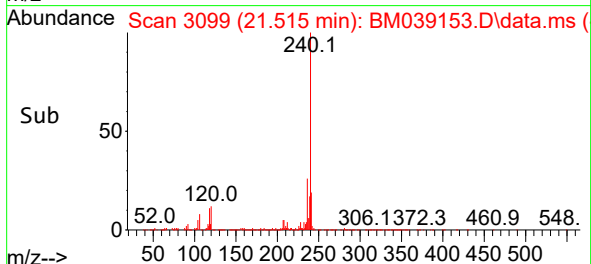
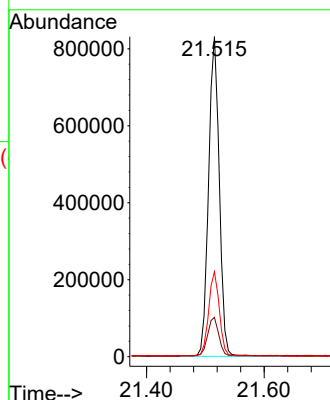
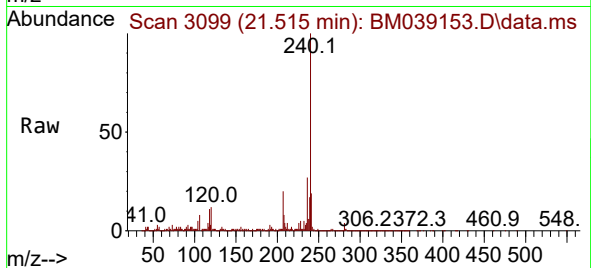
236 26.6 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/27/2023

Supervised By :Jagrut Upadhyay 03/27/2023



#78

Pyrene

Concen: 6.064 ng

RT: 19.757 min Scan# 2800

Delta R.T. -0.005 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

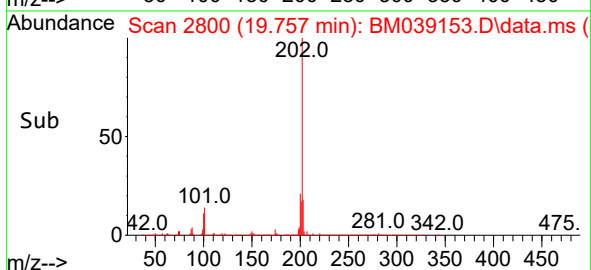
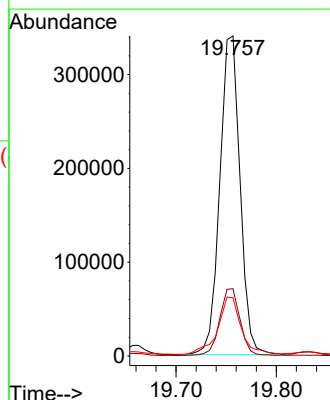
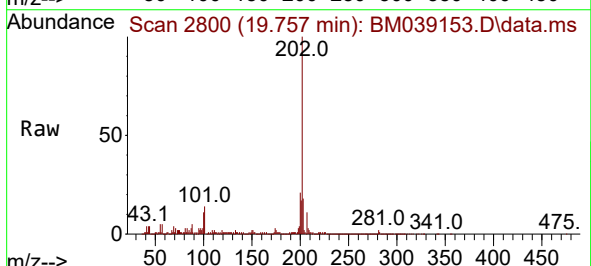
Tgt Ion:202 Resp: 476729

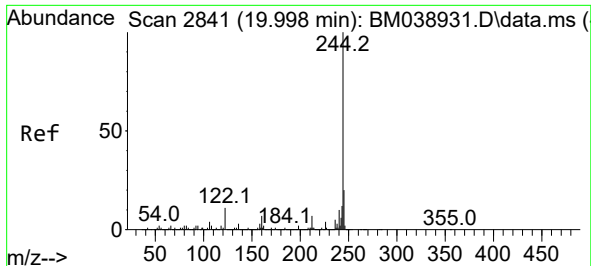
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 18.2 14.1 21.1





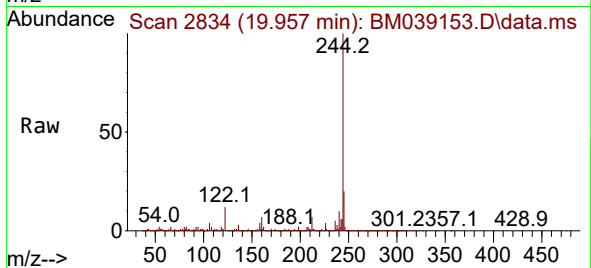
#79
 Terphenyl-d14
 Concen: 51.673 ng
 RT: 19.957 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM039153.D
 Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

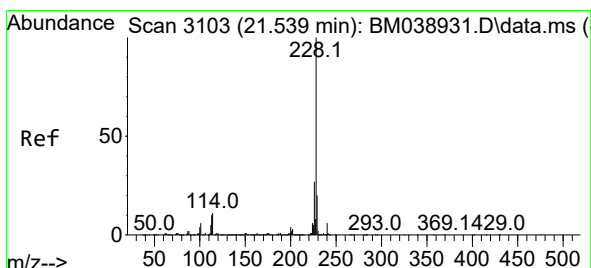
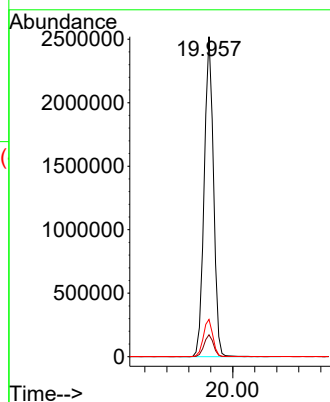
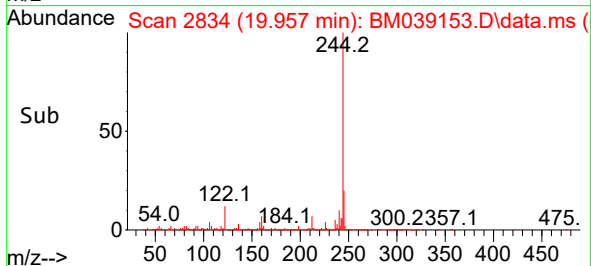


Tgt Ion:244 Resp: 295829
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.7 9.0 13.4

Manual Integrations

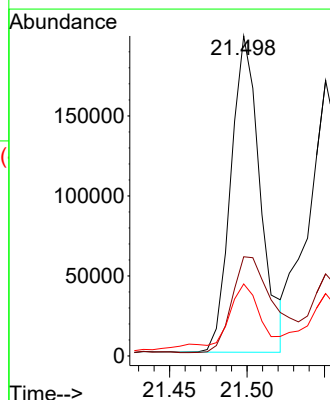
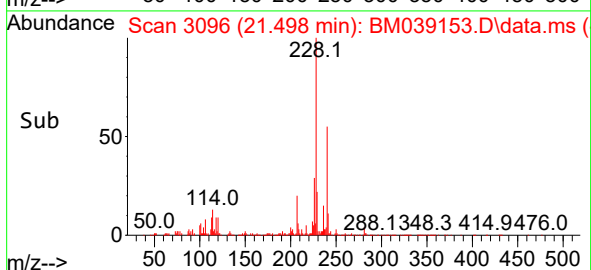
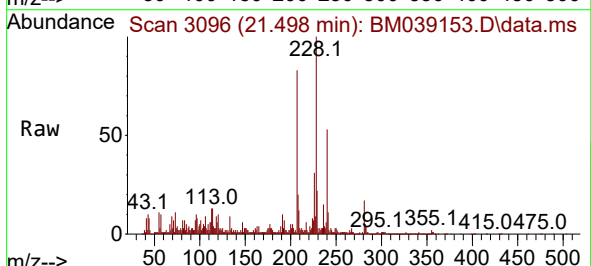
APPROVED

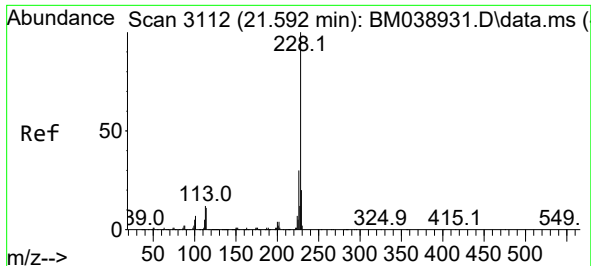
Reviewed By :Christian Giraldo 03/27/2023
 Supervised By :Jagrut Upadhyay 03/27/2023



#81
 Benzo(a)anthracene
 Concen: 3.466 ng
 RT: 21.498 min Scan# 3096
 Delta R.T. -0.011 min
 Lab File: BM039153.D
 Acq: 24 Mar 2023 22:14

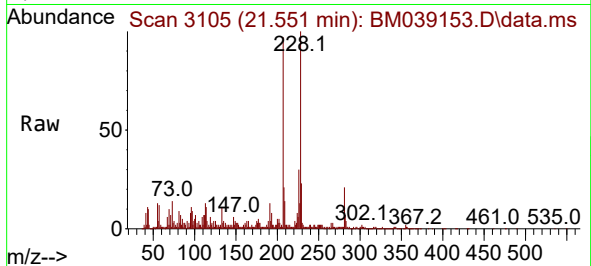
Tgt Ion:228 Resp: 261289
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.4 32.2
 229 22.5 15.7 23.5





#83
Chrysene
Concen: 3.461 ng
RT: 21.551 min Scan# 3112
Delta R.T. -0.011 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

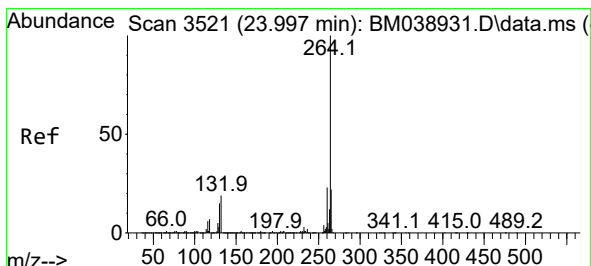
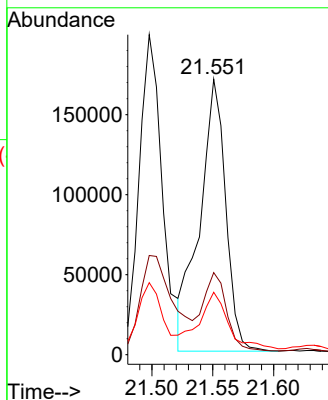
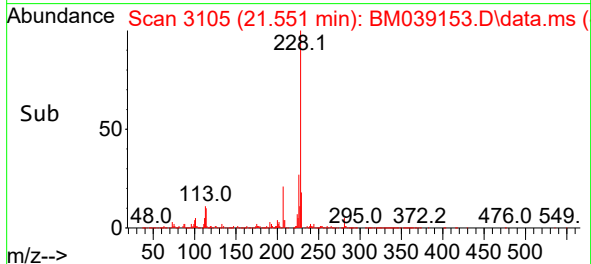
Instrument :
BNA_M
ClientSampleId :
BU-03-032323



Tgt Ion:228 Resp: 253732
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 22.7 16.0 24.0

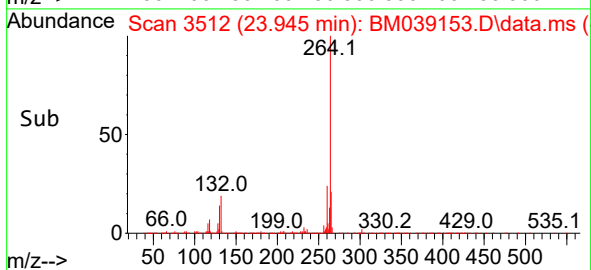
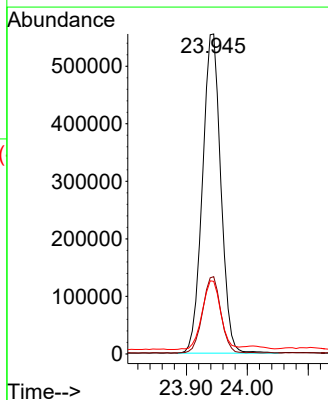
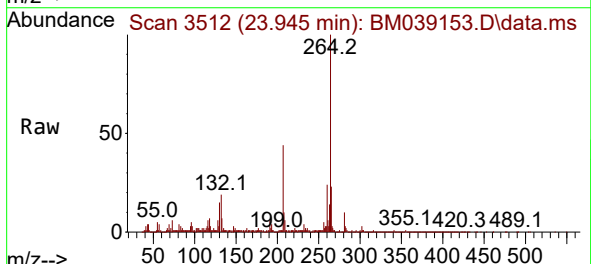
Manual Integrations
APPROVED

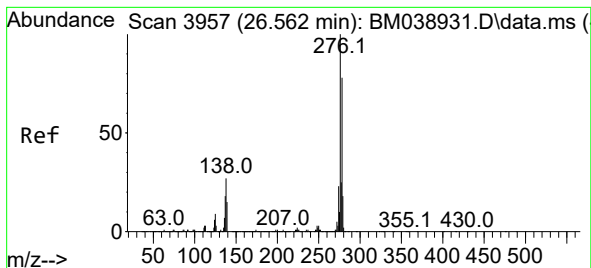
Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.945 min Scan# 3512
Delta R.T. -0.011 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:264 Resp: 1160163
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 22.7 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.708 ng

RT: 26.456 min Scan# 3957

Delta R.T. -0.035 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

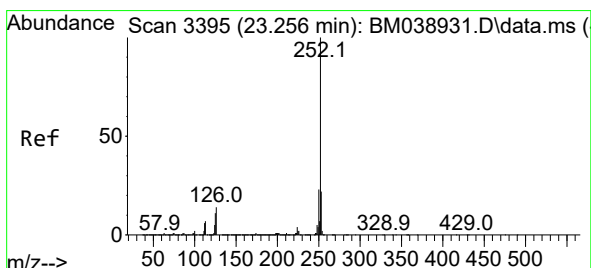
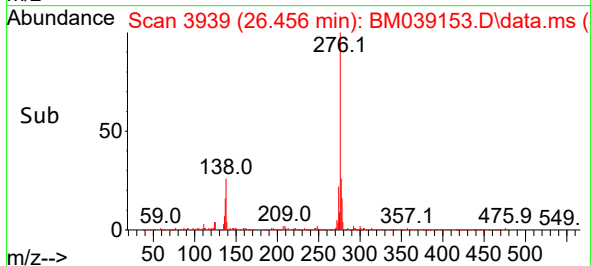
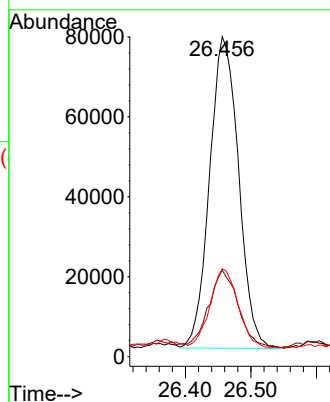
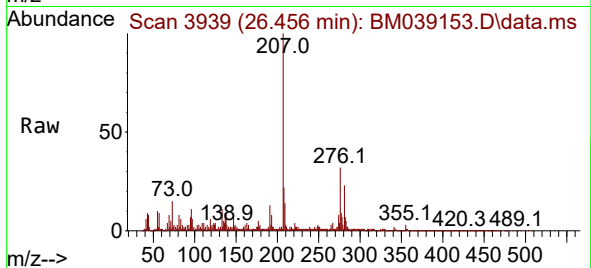
Tgt Ion: 276 Resp: 239048
 Ion Ratio Lower Upper
 276 100
 138 25.2 22.1 33.1
 277 25.3 20.1 30.1

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 03/27/2023

Supervised By : Jagrut Upadhyay 03/27/2023



#88

Benzo(b)fluoranthene

Concen: 5.713 ng m

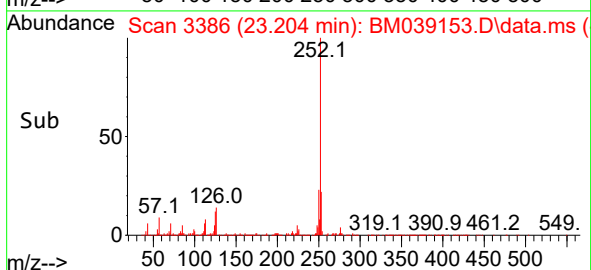
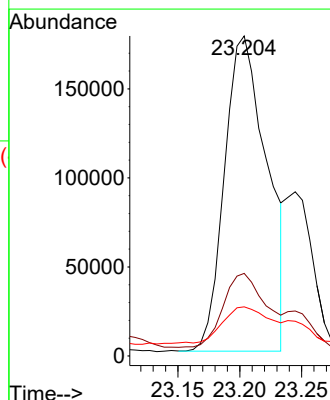
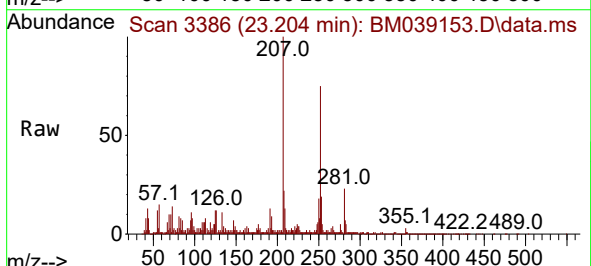
RT: 23.204 min Scan# 3386

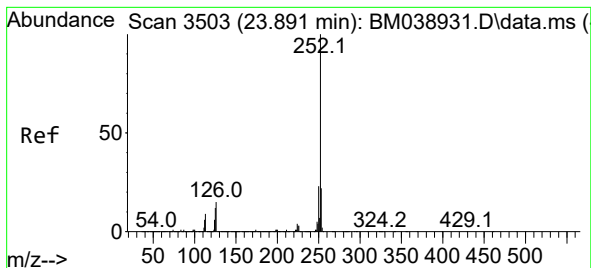
Delta R.T. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Tgt Ion: 252 Resp: 423450
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.6 26.4
 125 15.4 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 4.534 ng

RT: 23.833 min Scan# 34

Delta R.T. -0.017 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

Tgt Ion:252 Resp: 32346

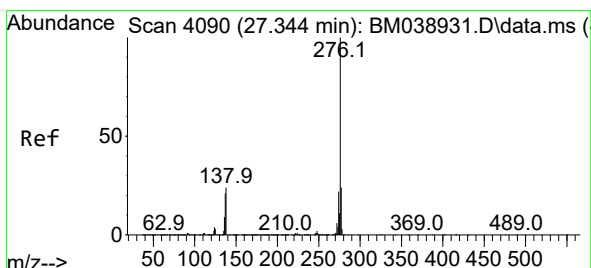
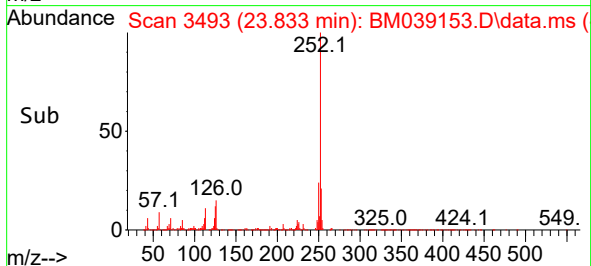
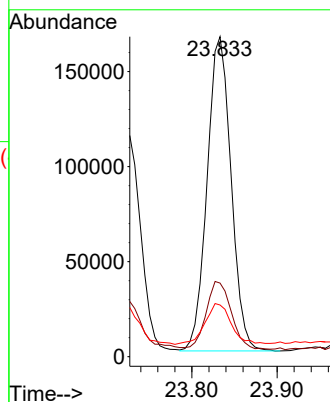
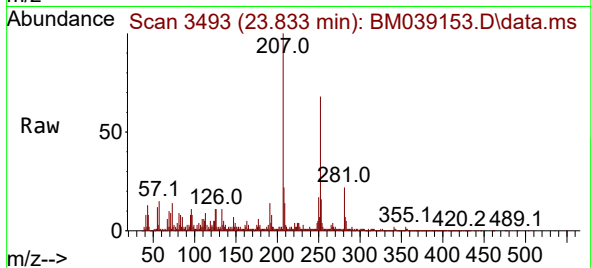
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	16.1	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/27/2023

Supervised By :Jagrut Upadhyay 03/27/2023



#92

Benzo(g,h,i)perylene

Concen: 3.479 ng

RT: 27.239 min Scan# 4072

Delta R.T. -0.035 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Tgt Ion:276 Resp: 254450

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.3	28.9
138	24.8	19.0	28.6

