

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039165.D
 Acq On : 27 Mar 2023 18:01
 Operator : CG/JU
 Sample : 02107-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC01

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 01:51:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	291748	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1154582	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	669550	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1399666	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1349766	20.000	ng	0.00
86) Perylene-d12	23.944	264	1561500	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1854417	96.570	ng	0.00
7) Phenol-d6	7.110	99	2379362	95.393	ng	0.00
23) Nitrobenzene-d5	9.110	82	1408200	59.911	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	789260	101.897	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	2804561	54.529	ng	0.00
79) Terphenyl-d14	19.950	244	4204165	56.948	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.310	152	858538	12.601	ng	100
52) Acenaphthene	14.651	154	85312	2.038	ng	97
55) Dibenzofuran	14.980	168	145701	2.224	ng	# 97
58) Fluorene	15.633	166	175644	3.422	ng	98
71) Phenanthrene	17.374	178	5111345	62.222	ng	100
72) Anthracene	17.468	178	1446832	17.661	ng	99
73) Carbazole	17.739	167	631366	8.445	ng	100
74) Di-n-butylphthalate	18.298	149	55661	2.386	ng	# 92
75) Fluoranthene	19.392	202	9879808	113.908	ng	97
78) Pyrene	19.756	202	8345403	82.319	ng	99
81) Benzo(a)anthracene	21.497	228	5069022	52.149	ng	97
83) Chrysene	21.556	228	4567534	48.314	ng	97
84) Bis(2-ethylhexyl)phtha...	21.421	149	139048	4.600	ng	99
87) Indeno(1,2,3-cd)pyrene	26.468	276	3075795	25.886	ng	96
88) Benzo(b)fluoranthene	23.209	252	6311852	63.271	ng	97
89) Benzo(k)fluoranthene	23.250	252	2017739m	19.435	ng	
90) Benzo(a)pyrene	23.838	252	4237113	44.132	ng	98
91) Dibenzo(a,h)anthracene	26.468	278	853002	8.477	ng	# 79
92) Benzo(g,h,i)perylene	27.244	276	2796197	28.403	ng	99

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

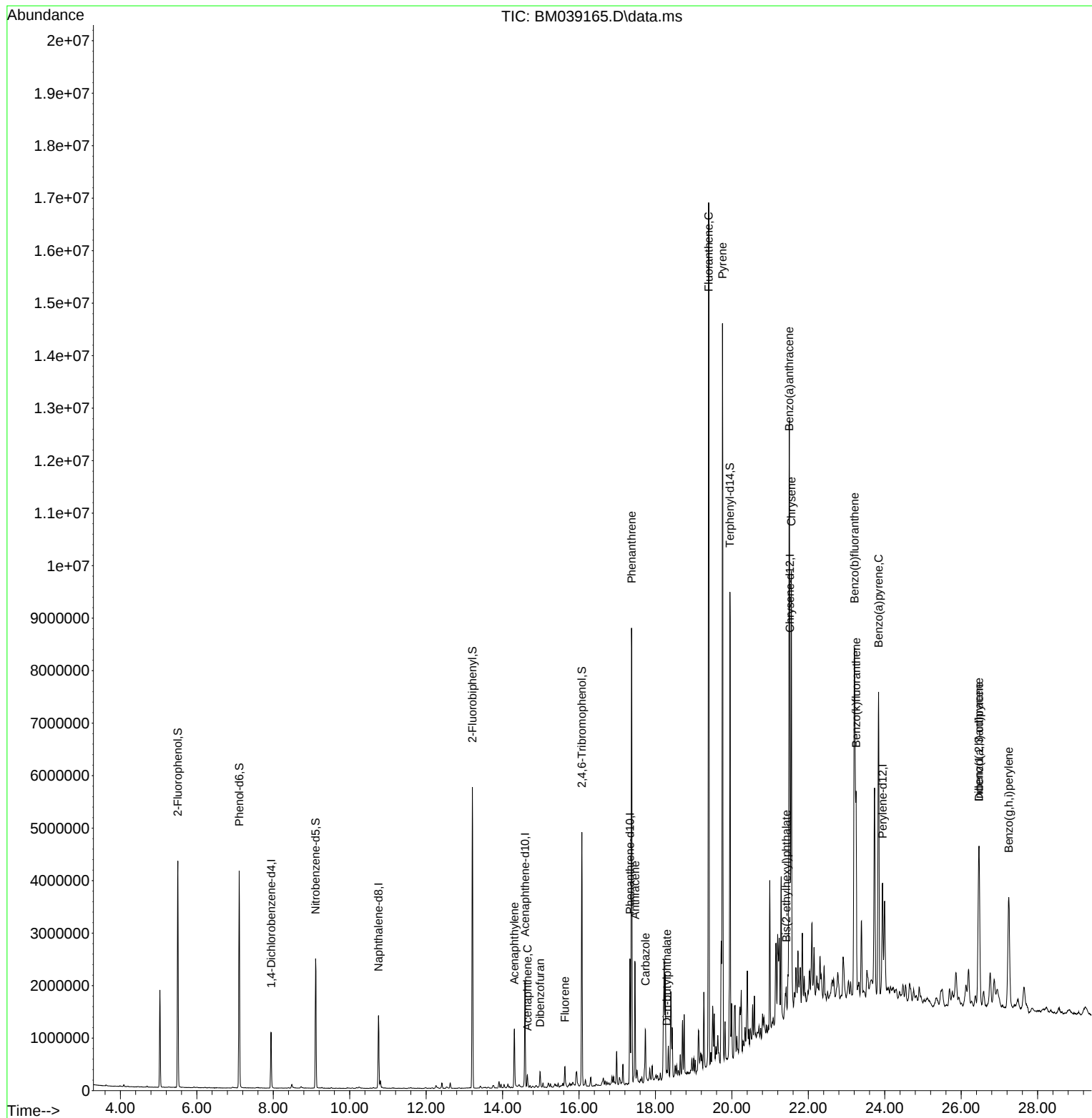
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039165.D
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ALS Vial : 11 Sample Multiplier: 1

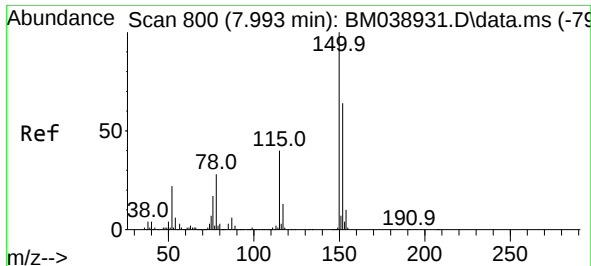
Instrument :
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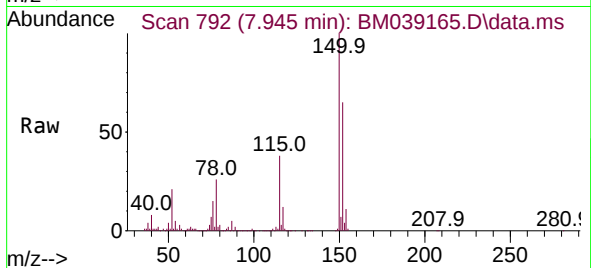
Reviewed By : Christian Giraldo 03/28/2023
Supervised By : Jagrut Upadhyay 03/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

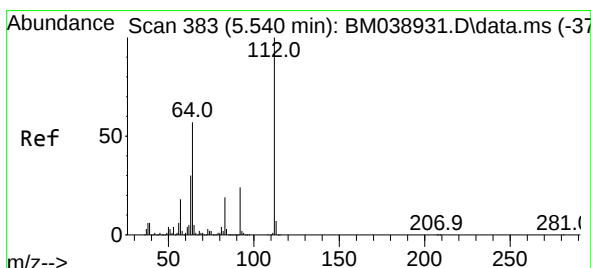
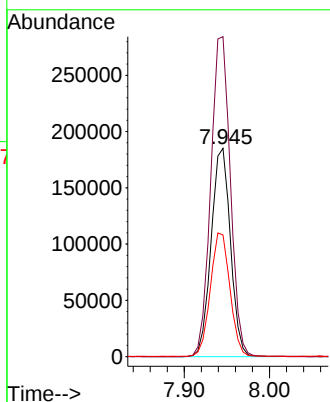
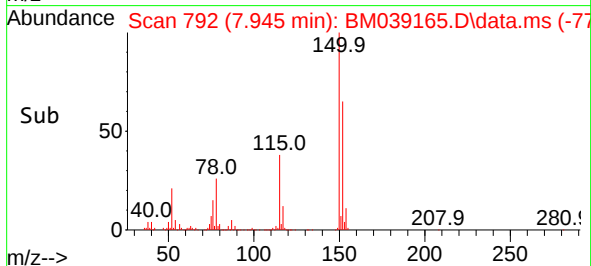
Instrument :
BNA_M
ClientSampleId :
WC01



Tgt Ion:152 Resp: 291748
Ion Ratio Lower Upper
152 100
150 153.7 125.1 187.7
115 58.4 49.6 74.4

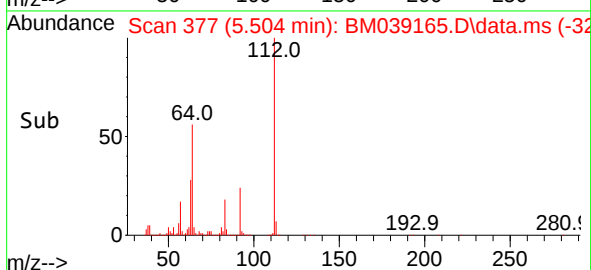
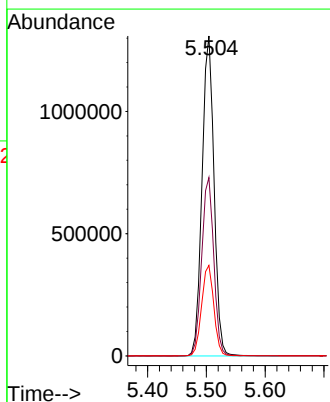
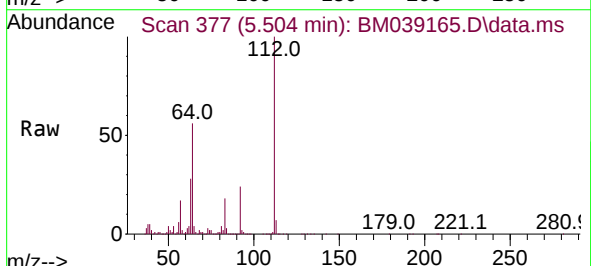
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Supervised By :Jagrut Upadhyay 03/28/2023



#5
2-Fluorophenol
Concen: 96.570 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

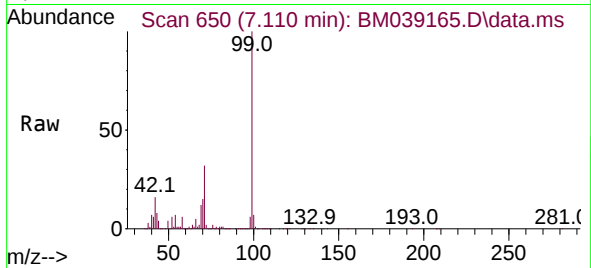
Tgt Ion:112 Resp: 1854417
Ion Ratio Lower Upper
112 100
64 55.7 45.9 68.9
63 28.3 23.8 35.8





#7
Phenol-d6
Concen: 95.393 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

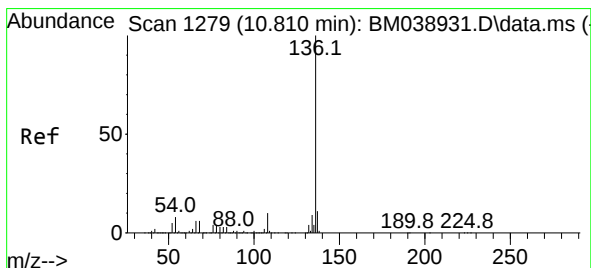
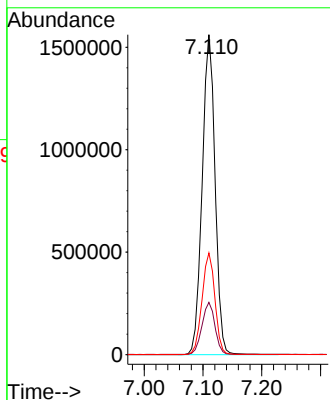
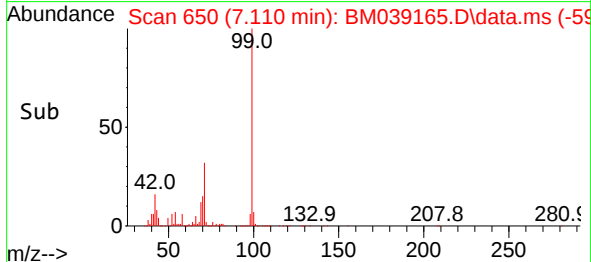
Instrument :
BNA_M
ClientSampleId :
WC01



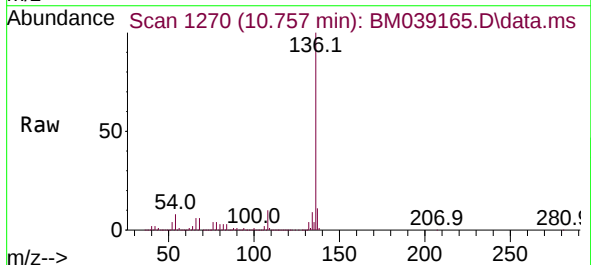
Tgt Ion: 99 Resp: 2379362
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 31.8 25.6 38.4

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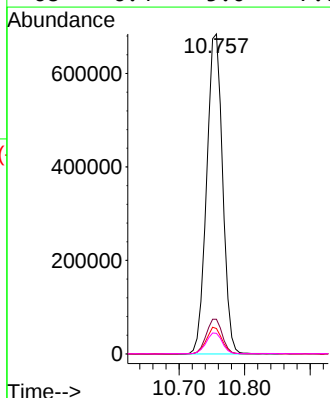
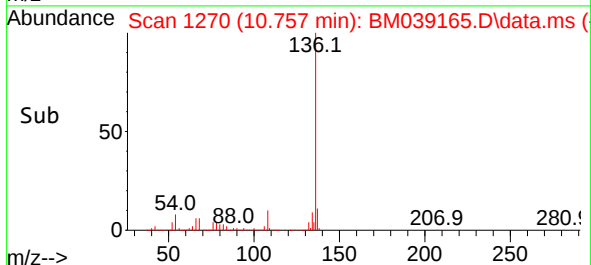
Reviewed By :Christian Giraldo 03/28/2023
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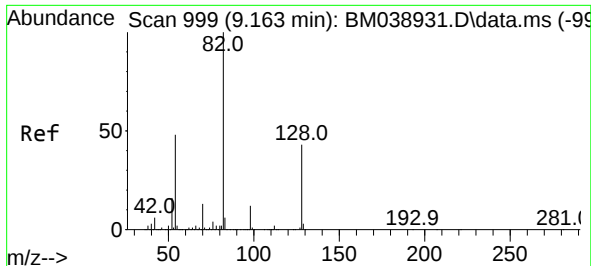


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01



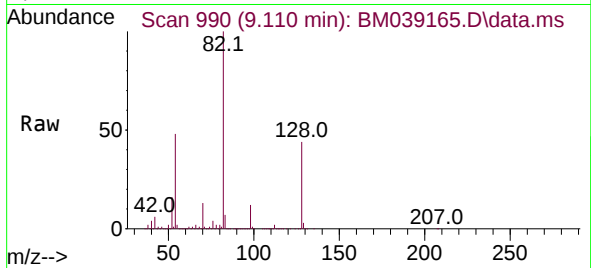
Tgt Ion:136 Resp: 1154582
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.9 6.3 9.5
68 6.4 5.0 7.6





#23
Nitrobenzene-d5
Concen: 59.911 ng
RT: 9.110 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

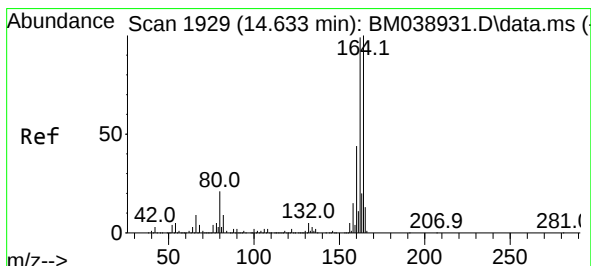
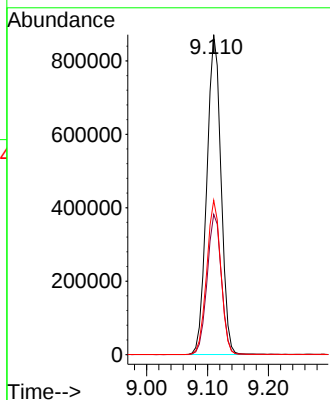
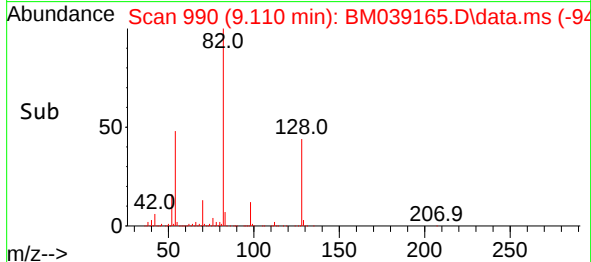
Instrument :
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ClientSampleId :
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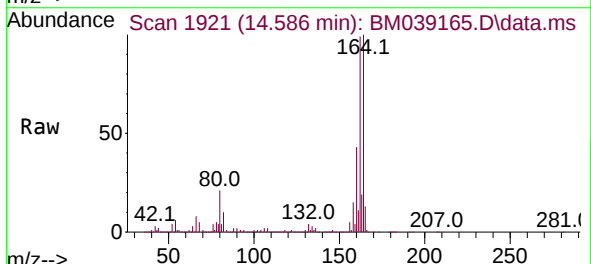
Tgt Ion: 82 Resp: 1408200
Ion Ratio Lower Upper
82 100
128 43.8 34.4 51.6
54 48.2 38.8 58.2

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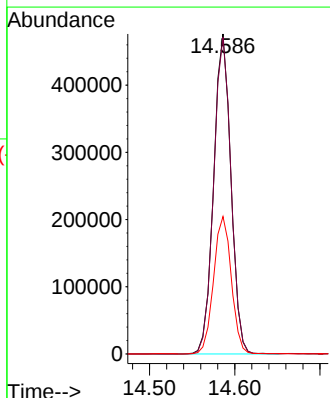
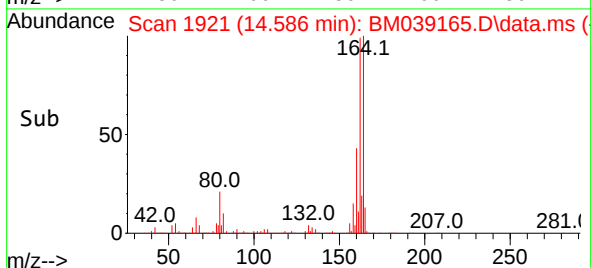
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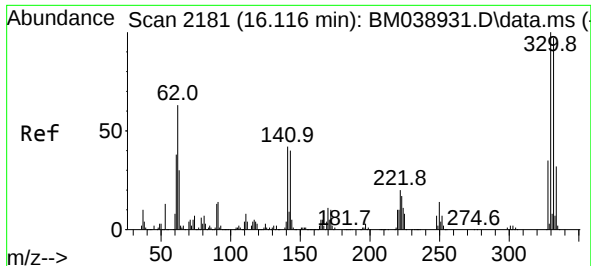


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01



Tgt Ion:164 Resp: 669550
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 42.9 35.5 53.3





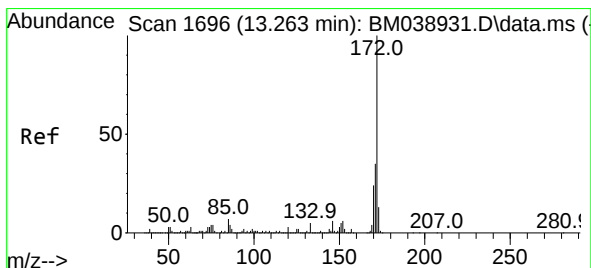
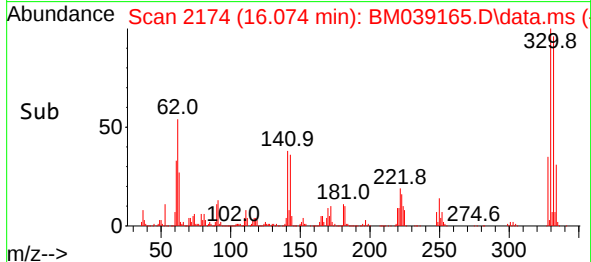
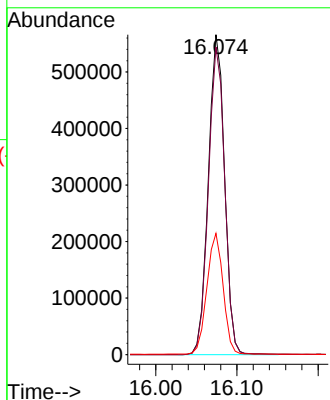
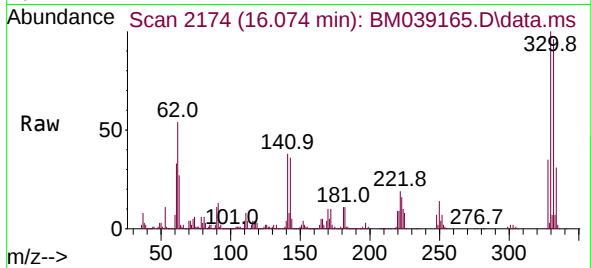
#42
2,4,6-Tribromophenol
Concen: 101.897 ng
RT: 16.074 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

Instrument :
BNA_M
ClientSampleId :
WC01

Tgt Ion:330 Resp: 789260
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 37.5 32.2 48.4

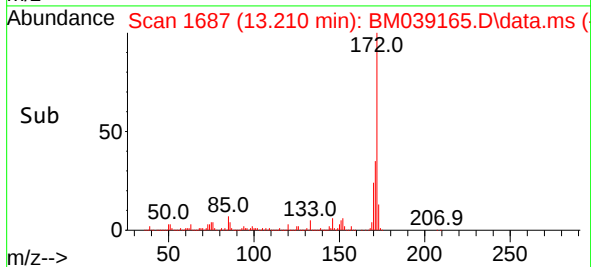
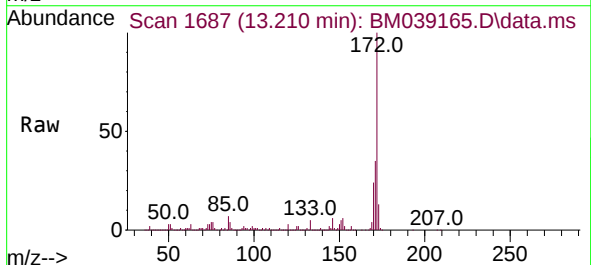
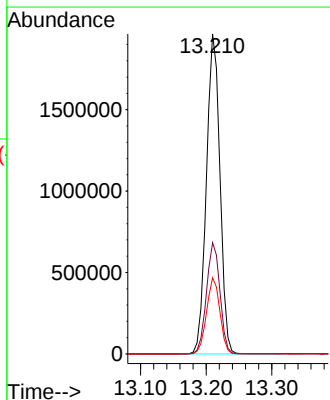
Manual Integrations
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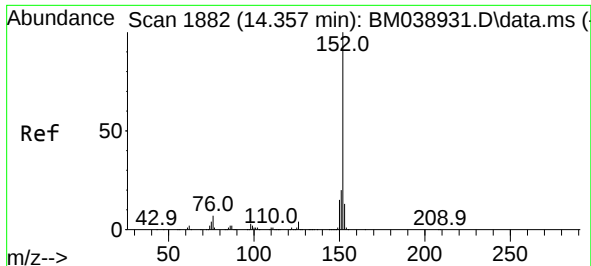
Reviewed By :Christian Giraldo 03/28/2023
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#45
2-Fluorobiphenyl
Concen: 54.529 ng
RT: 13.210 min Scan# 1687
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

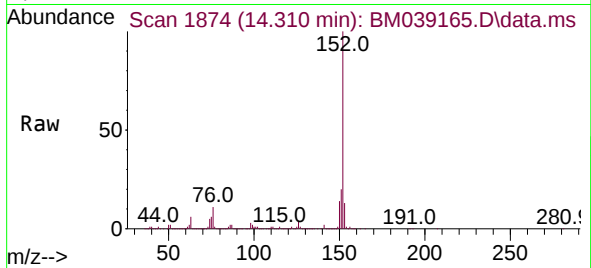
Tgt Ion:172 Resp: 2804561
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.8 19.1 28.7





#49
Acenaphthylene
Concen: 12.601 ng
RT: 14.310 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

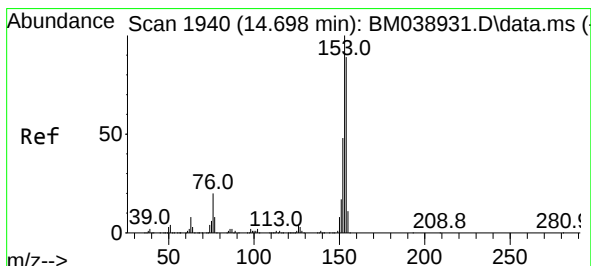
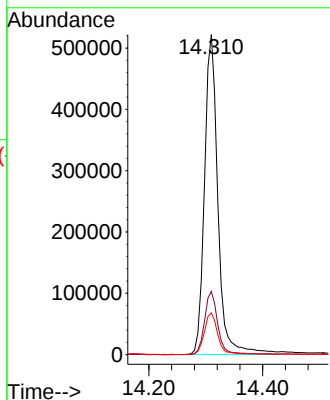
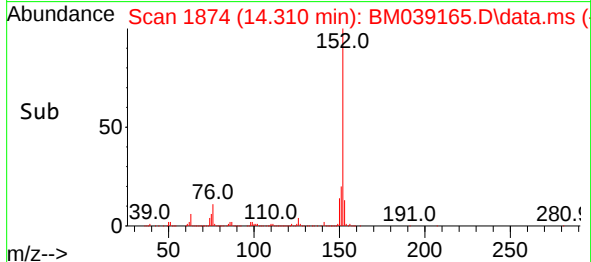
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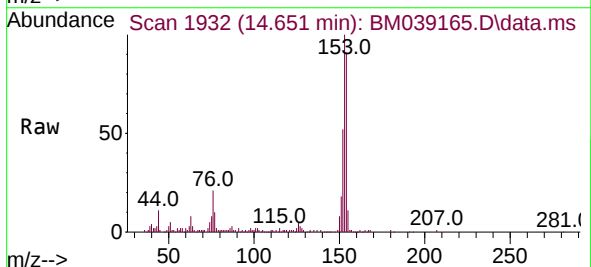
Tgt Ion:152 Resp: 858538
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.0 10.4 15.6

Manual Integrations
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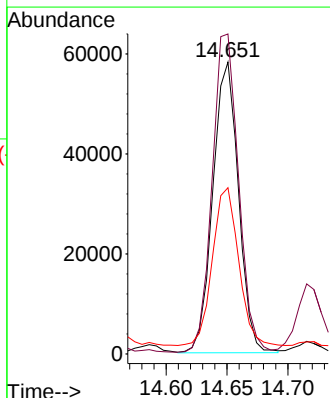
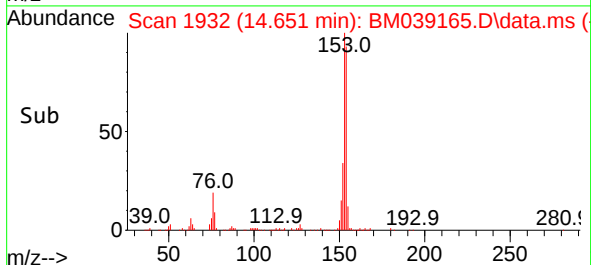
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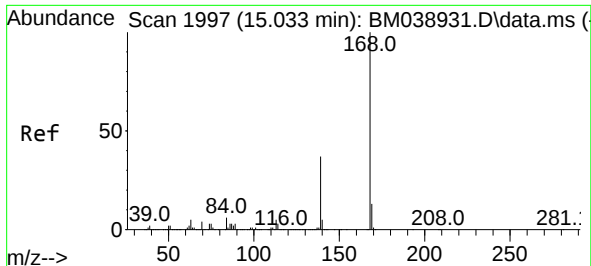


#52
Acenaphthene
Concen: 2.038 ng
RT: 14.651 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01



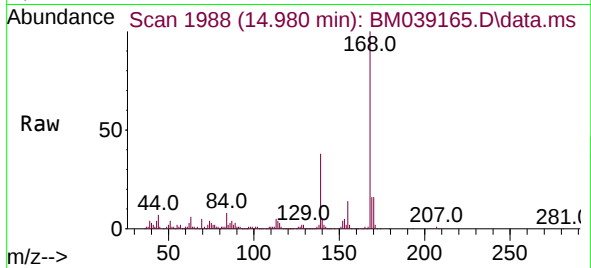
Tgt Ion:154 Resp: 85312
Ion Ratio Lower Upper
154 100
153 109.7 90.2 135.2
152 57.0 43.4 65.2





#55
Dibenzenofuran
Concen: 2.224 ng
RT: 14.980 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

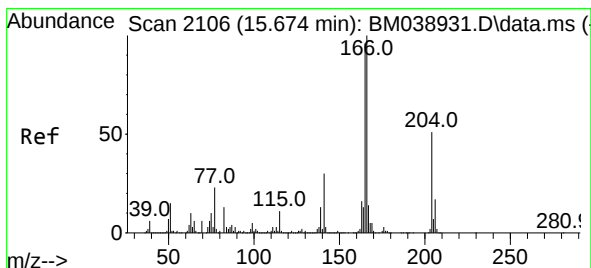
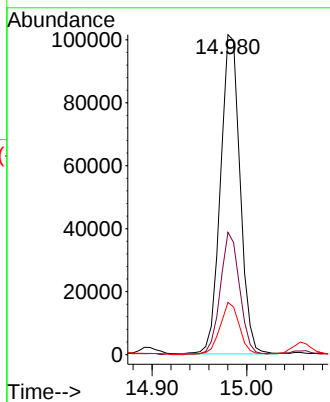
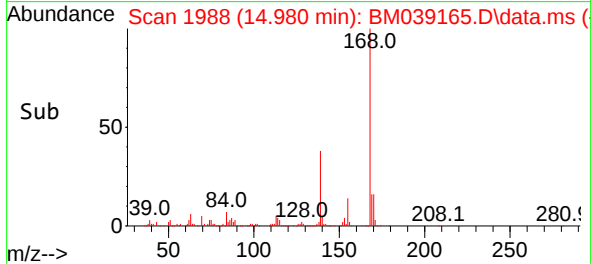
Instrument :
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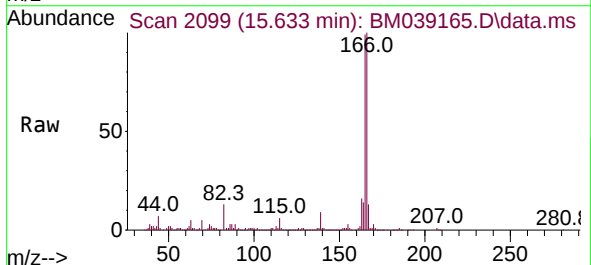
Tgt Ion:168 Resp: 145701
Ion Ratio Lower Upper
168 100
139 38.2 29.9 44.9
169 16.3 10.7 16.1

Manual Integrations
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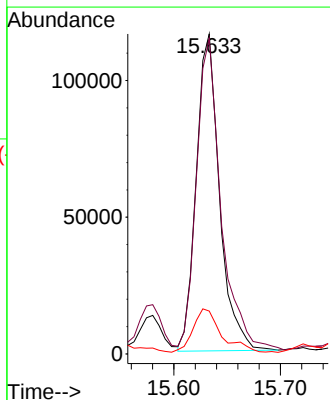
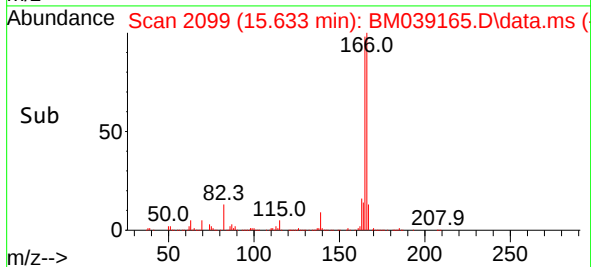
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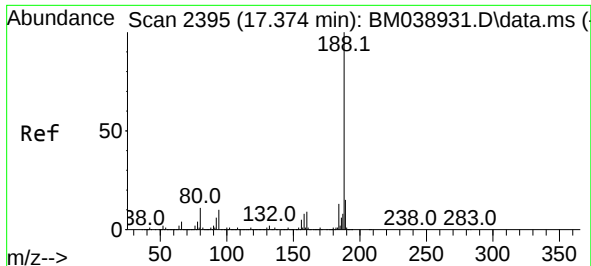


#58
Fluorene
Concen: 3.422 ng
RT: 15.633 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01



Tgt Ion:166 Resp: 175644
Ion Ratio Lower Upper
166 100
165 98.6 77.1 115.7
167 13.4 10.9 16.3





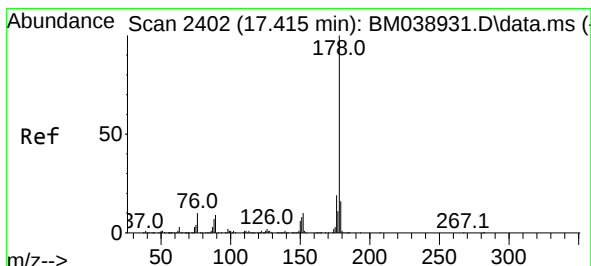
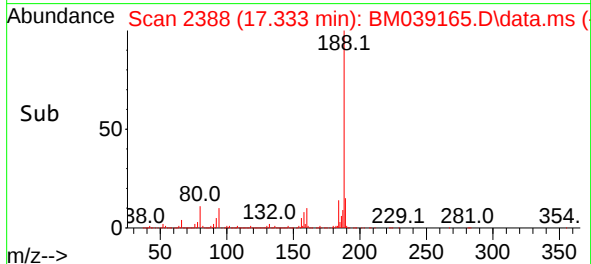
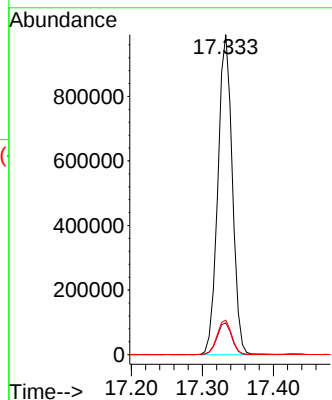
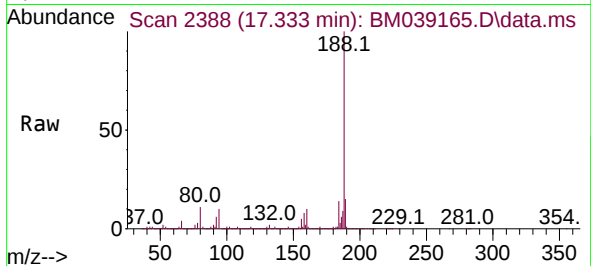
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2388
Delta R.T. -0.000 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

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Tgt Ion:188 Resp: 1399666
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.8 8.5 12.7

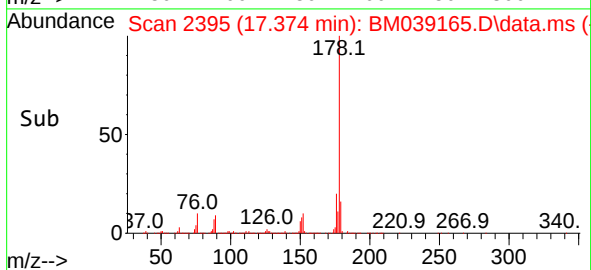
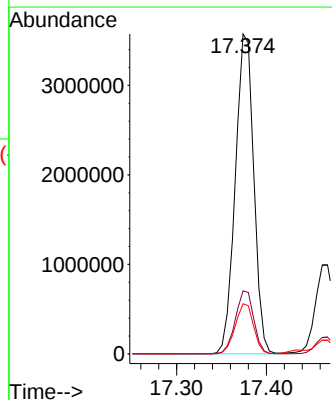
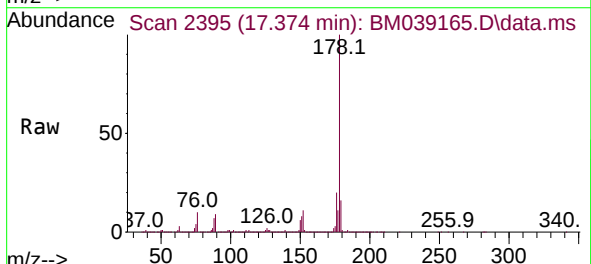
Manual Integrations
APPROVED

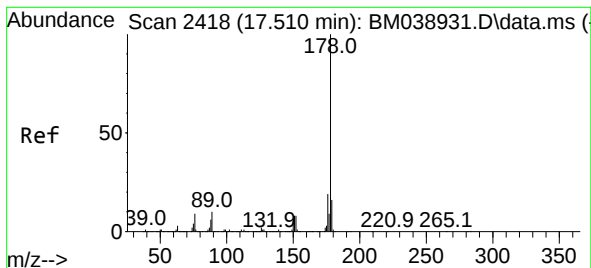
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#71
Phenanthrene
Concen: 62.222 ng
RT: 17.374 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

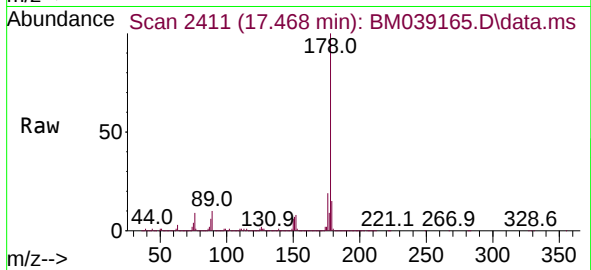
Tgt Ion:178 Resp: 5111345
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.7 12.5 18.7





#72
 Anthracene
 Concen: 17.661 ng
 RT: 17.468 min Scan# 2418
 Delta R.T. -0.000 min
 Lab File: BM039165.D
 Acq: 27 Mar 2023 18:01

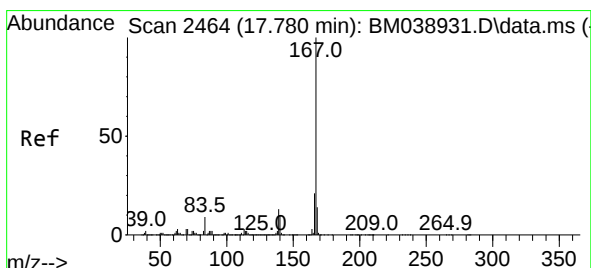
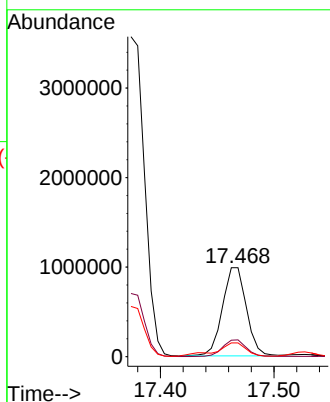
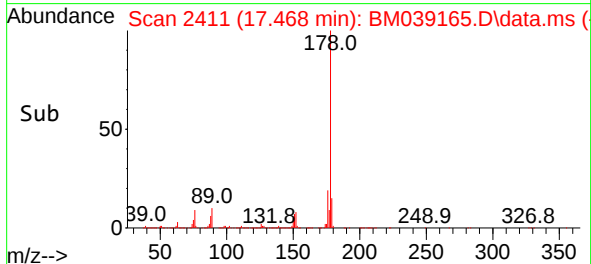
Instrument :
 BNA_M
 ClientSampleId :
 WC01



Tgt Ion:178 Resp: 1446832
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 15.3 12.5 18.7

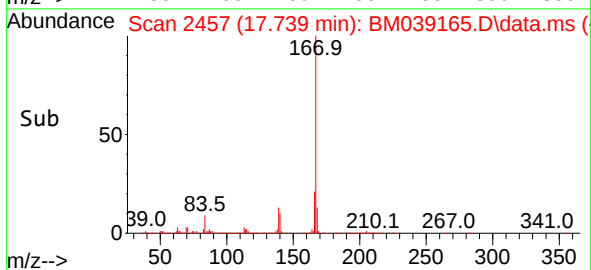
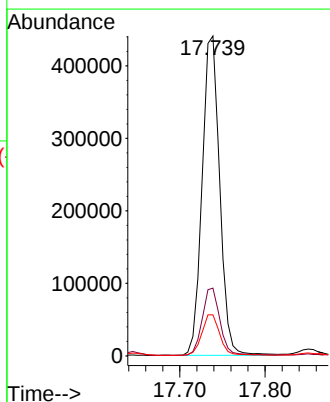
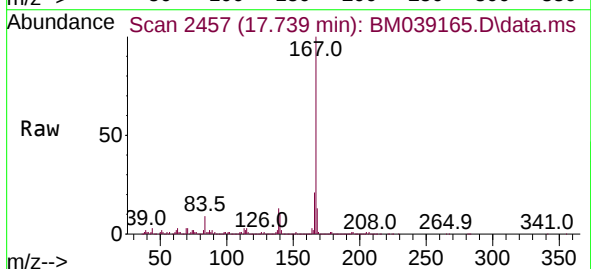
Manual Integrations
 APPROVED

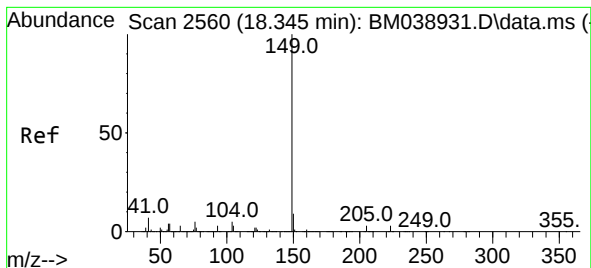
Reviewed By :Christian Giraldo 03/28/2023
 Supervised By :Jagrut Upadhyay 03/28/2023



#73
 Carbazole
 Concen: 8.445 ng
 RT: 17.739 min Scan# 2457
 Delta R.T. -0.000 min
 Lab File: BM039165.D
 Acq: 27 Mar 2023 18:01

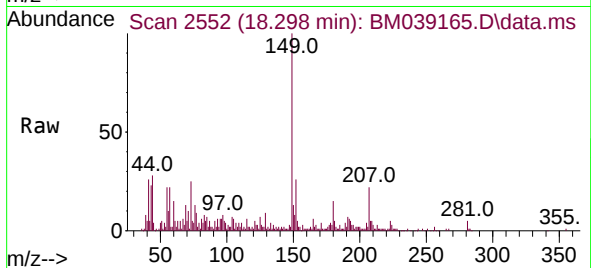
Tgt Ion:167 Resp: 631366
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.8 10.3 15.5





#74
Di-n-butylphthalate
Concen: 2.386 ng
RT: 18.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

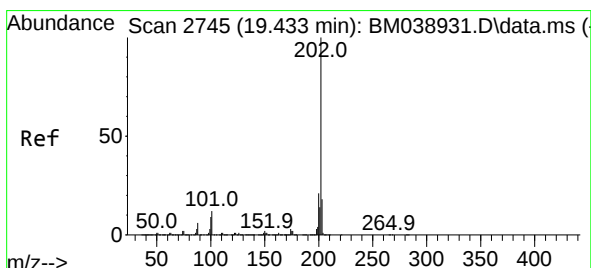
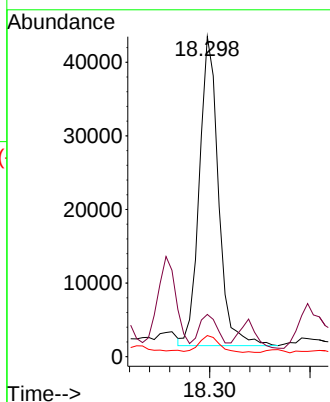
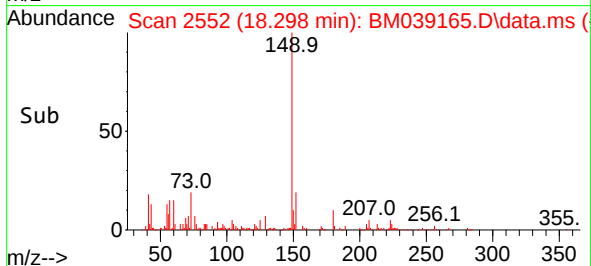
Instrument :
BNA_M
ClientSampleId :
WC01



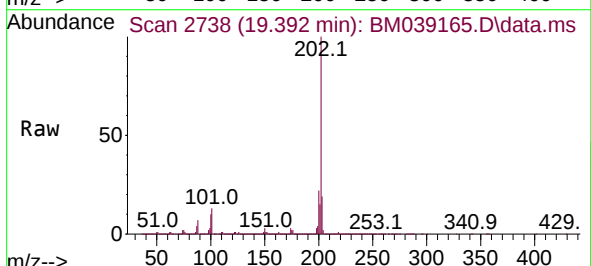
Tgt Ion:149 Resp: 5566
Ion Ratio Lower Upper
149 100
150 13.2 7.4 11.2
104 6.6 4.3 6.5

Manual Integrations
APPROVED

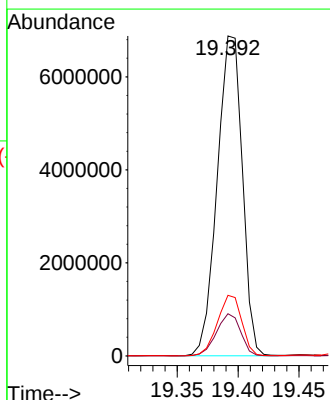
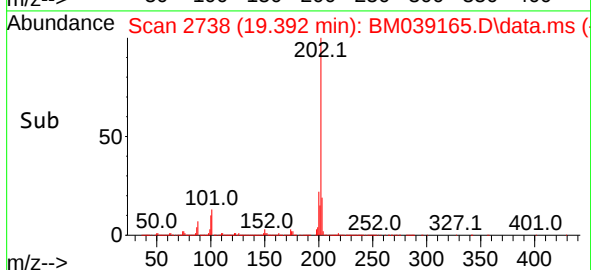
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

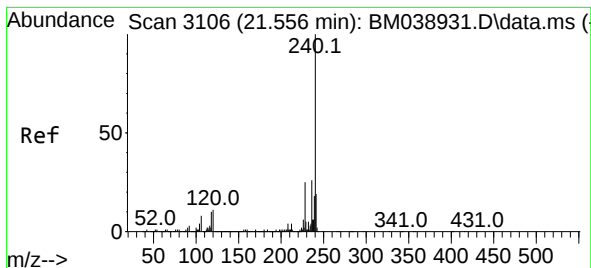


#75
Fluoranthene
Concen: 113.908 ng
RT: 19.392 min Scan# 2738
Delta R.T. -0.000 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01



Tgt Ion:202 Resp: 9879808
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.7
203 18.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 30

Delta R.T. -0.000 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

Instrument :

BNA_M

ClientSampleId :

WC01

Tgt Ion:240 Resp: 1349766

Ion Ratio Lower Upper

240 100

120 12.4 9.2 13.8

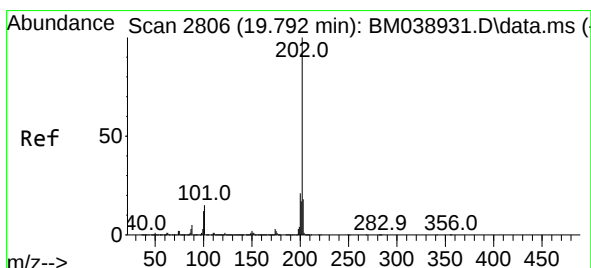
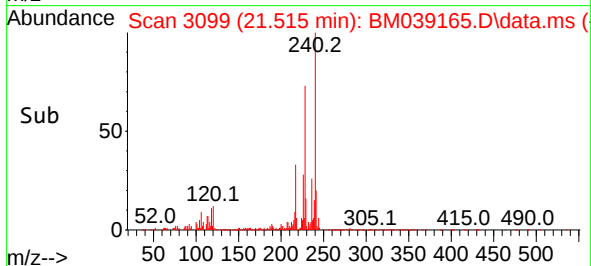
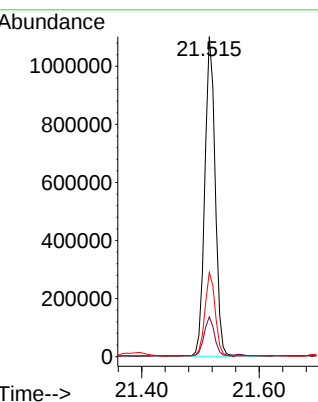
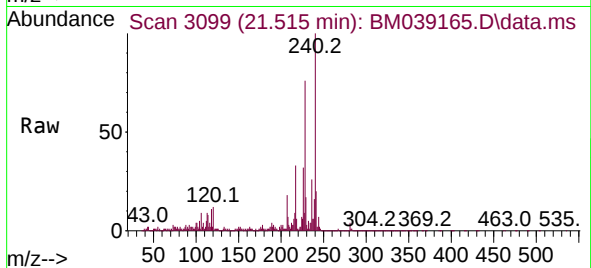
236 26.3 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#78

Pyrene

Concen: 82.319 ng

RT: 19.756 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

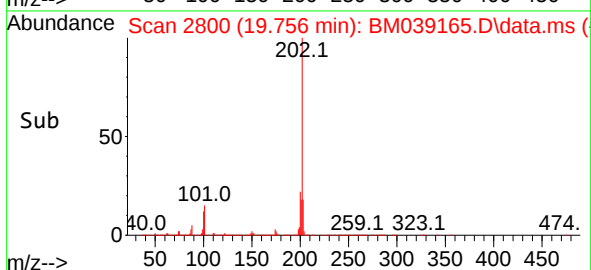
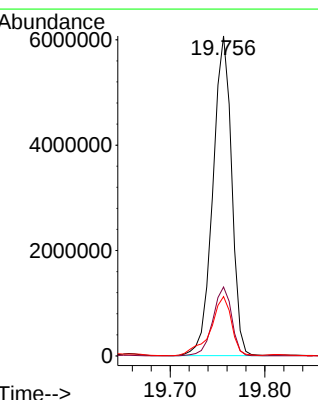
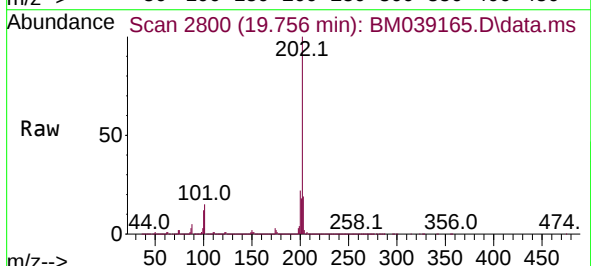
Tgt Ion:202 Resp: 8345403

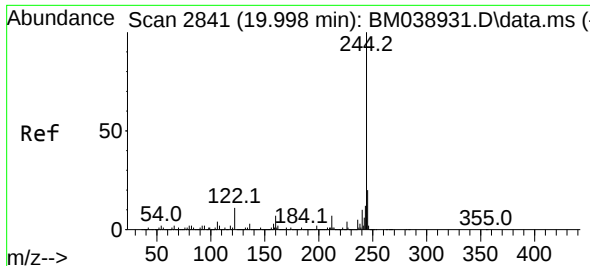
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

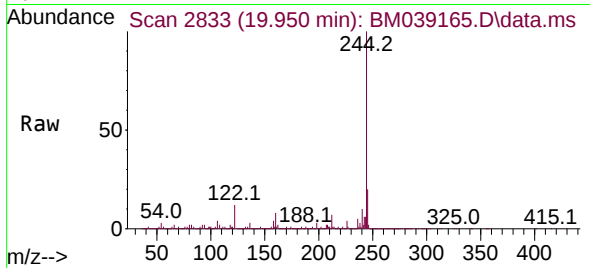
203 18.5 14.1 21.1





#79
 Terphenyl-d14
 Concen: 56.948 ng
 RT: 19.950 min Scan# 2841
 Delta R.T. -0.006 min
 Lab File: BM039165.D
 Acq: 27 Mar 2023 18:01

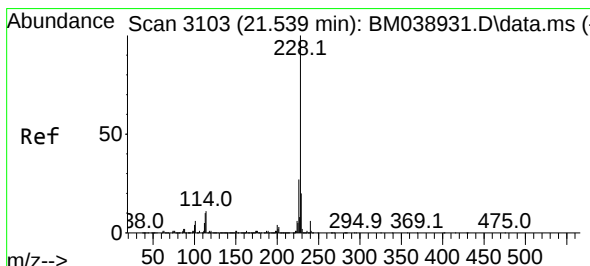
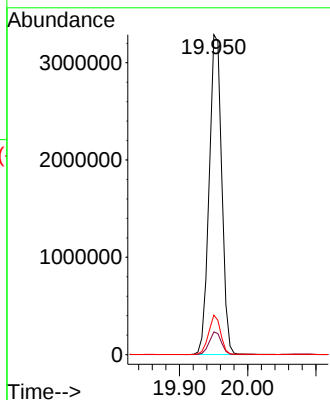
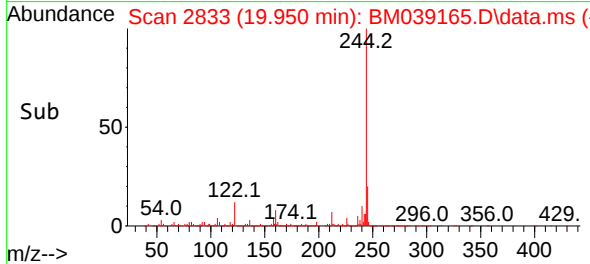
Instrument :
 BNA_M
 ClientSampleId :
 WC01



Tgt Ion:244 Resp: 4204165
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 12.3 9.0 13.4

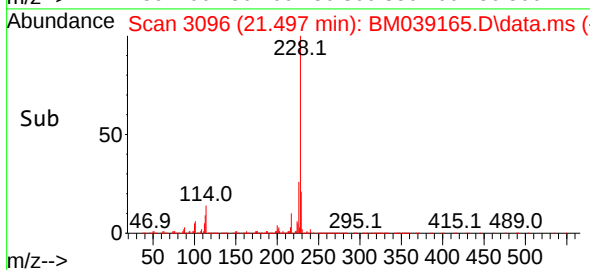
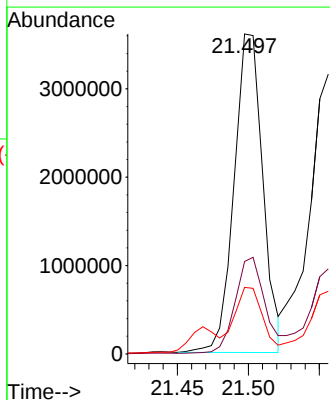
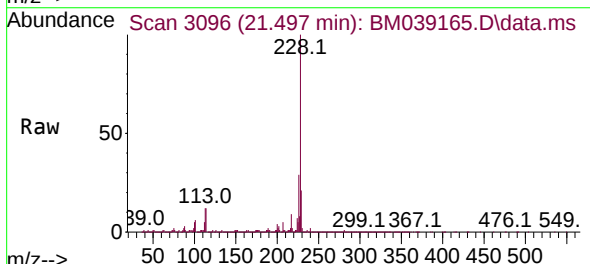
Manual Integrations
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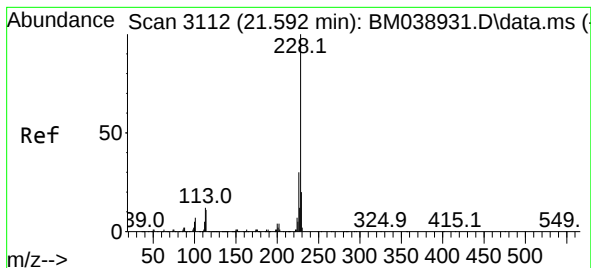
Reviewed By :Christian Giraldo 03/28/2023
 Supervised By :Jagrut Upadhyay 03/28/2023



#81
 Benzo(a)anthracene
 Concen: 52.149 ng
 RT: 21.497 min Scan# 3096
 Delta R.T. -0.000 min
 Lab File: BM039165.D
 Acq: 27 Mar 2023 18:01

Tgt Ion:228 Resp: 5069022
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.4 32.2
 229 20.8 15.7 23.5





#83

Chrysene

Concen: 48.314 ng

RT: 21.556 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

Instrument :

BNA_M

ClientSampleId :

WC01

Tgt Ion:228 Resp: 4567534

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

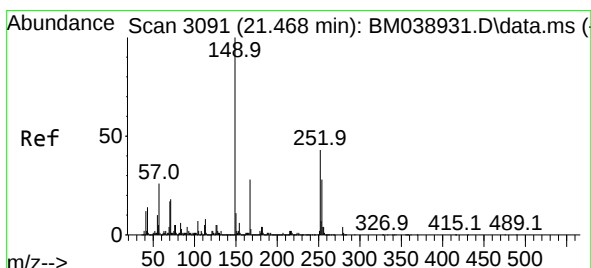
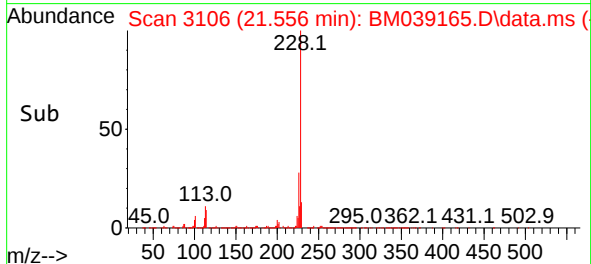
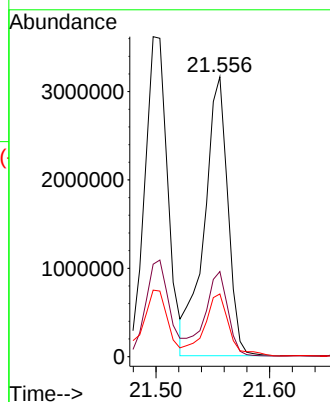
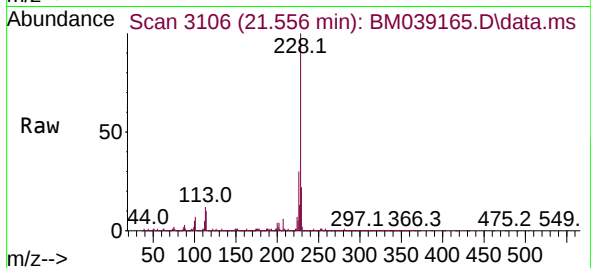
229 22.4 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.600 ng

RT: 21.421 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

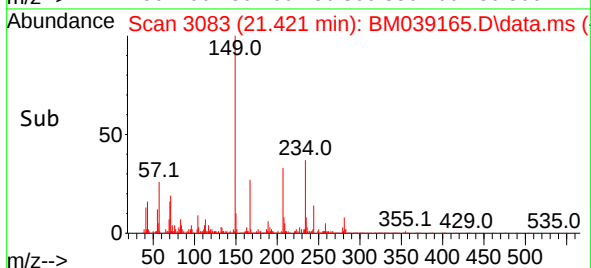
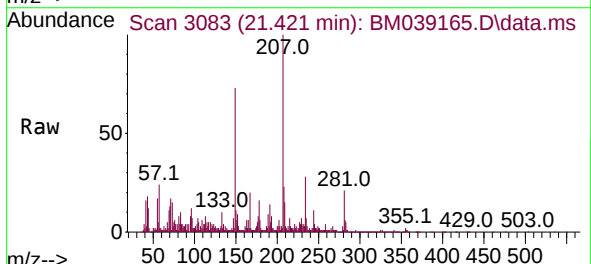
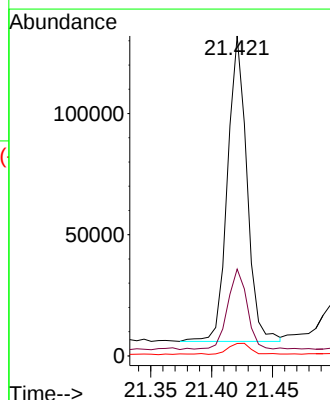
Tgt Ion:149 Resp: 139048

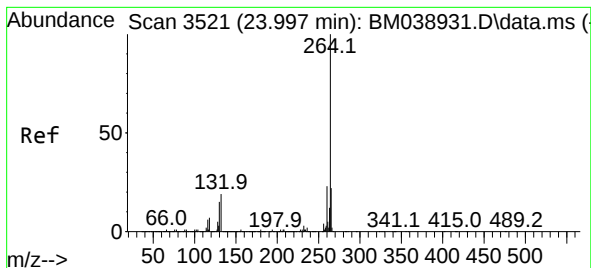
Ion Ratio Lower Upper

149 100

167 27.1 22.3 33.5

279 3.9 3.2 4.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

Instrument :

BNA_M

ClientSampleId :

WC01

Tgt Ion:264 Resp: 1561500

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

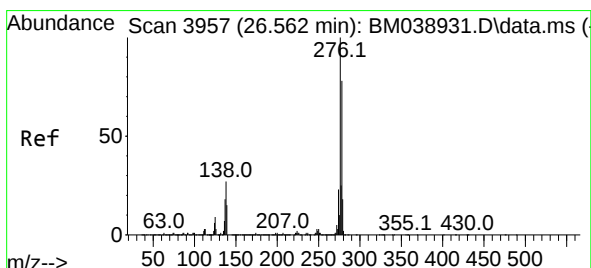
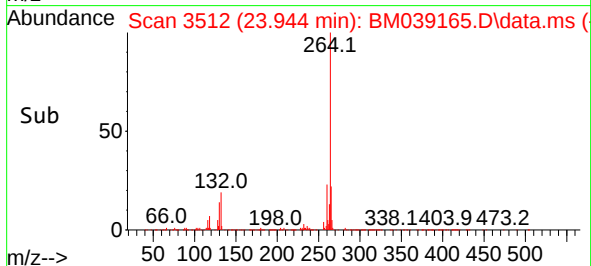
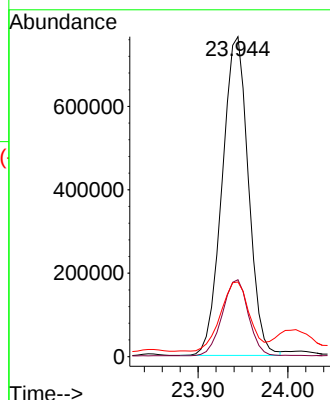
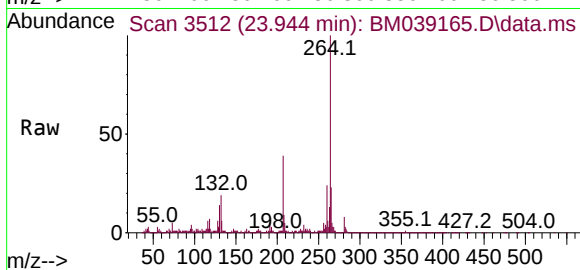
265 23.4 17.9 26.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.886 ng

RT: 26.468 min Scan# 3941

Delta R.T. -0.000 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

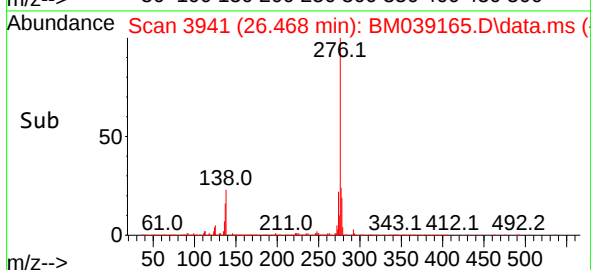
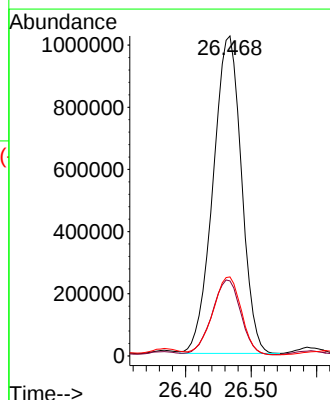
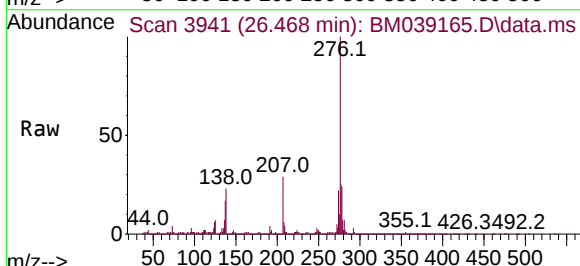
Tgt Ion:276 Resp: 3075795

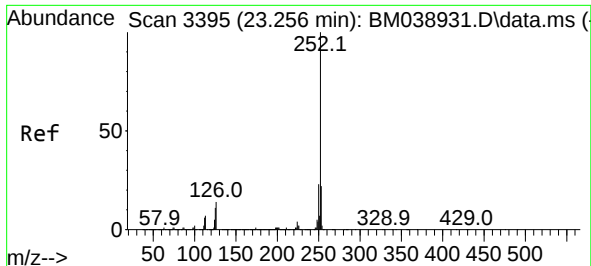
Ion Ratio Lower Upper

276 100

138 24.0 22.1 33.1

277 24.9 20.1 30.1





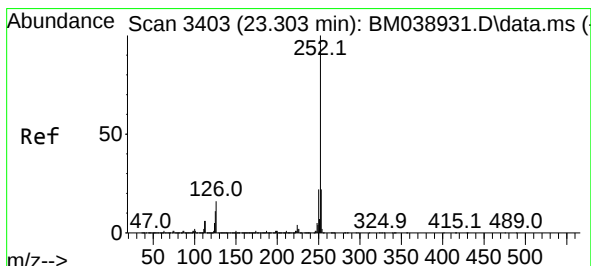
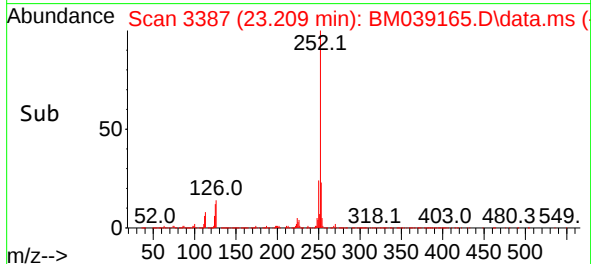
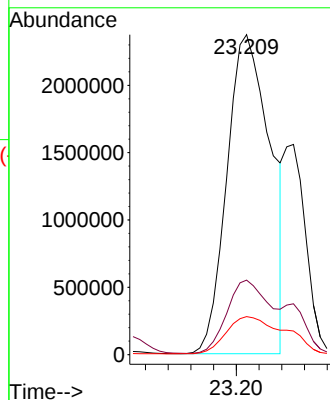
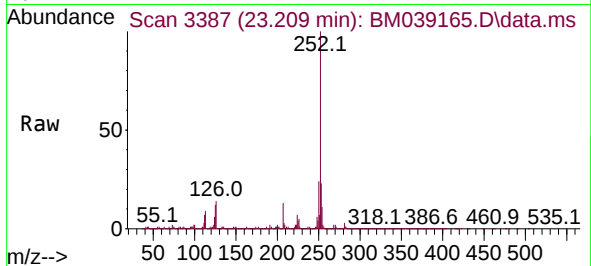
#88
Benzo(b)fluoranthene
Concen: 63.271 ng
RT: 23.209 min Scan# 3394
Delta R.T. 0.012 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

Instrument :
BNA_M
ClientSampleId :
WC01

Tgt Ion:252 Resp: 6311852
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 11.9 8.8 13.2

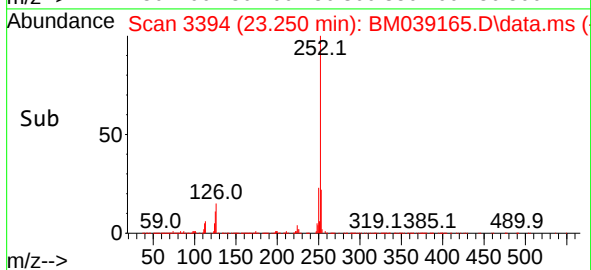
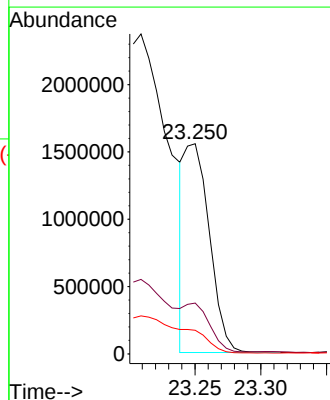
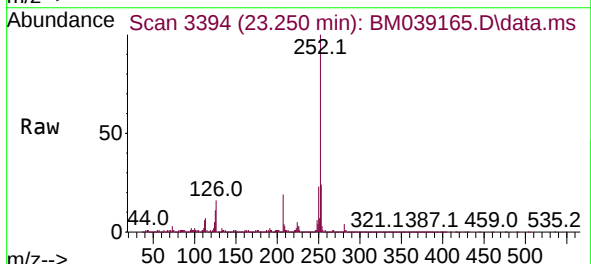
Manual Integrations
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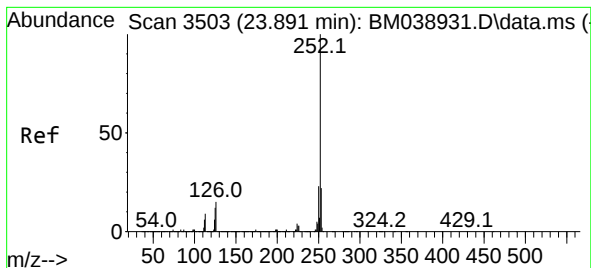
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#89
Benzo(k)fluoranthene
Concen: 19.435 ng m
RT: 23.250 min Scan# 3394
Delta R.T. -0.000 min
Lab File: BM039165.D
Acq: 27 Mar 2023 18:01

Tgt Ion:252 Resp: 2017739
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 11.2 8.9 13.3





#90

Benzo(a)pyrene

Concen: 44.132 ng

RT: 23.838 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

Instrument :

BNA_M

ClientSampleId :

WC01

Tgt Ion:252 Resp: 423711

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

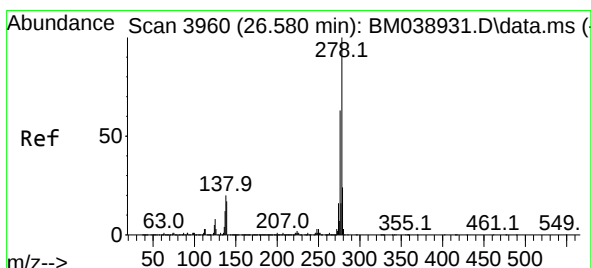
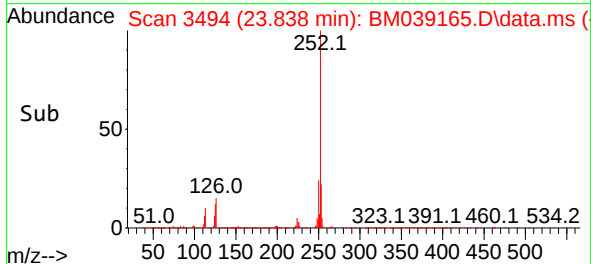
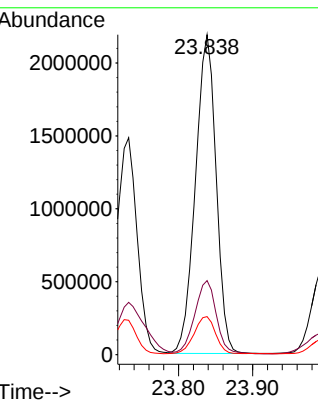
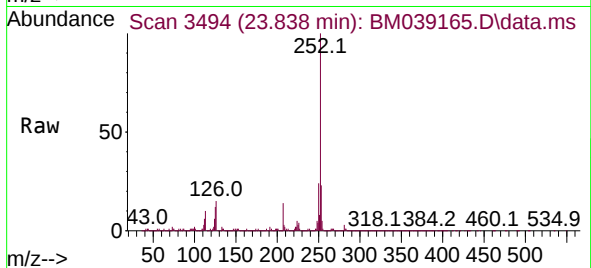
125 11.9 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#91

Dibenzo(a,h)anthracene

Concen: 8.477 ng

RT: 26.468 min Scan# 3941

Delta R.T. -0.012 min

Lab File: BM039165.D

Acq: 27 Mar 2023 18:01

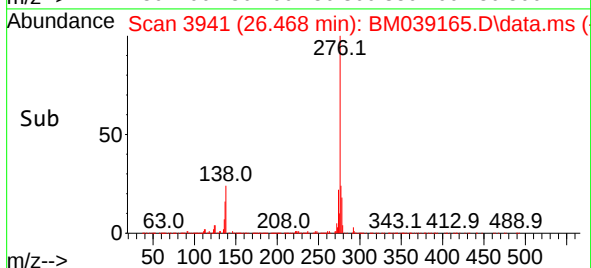
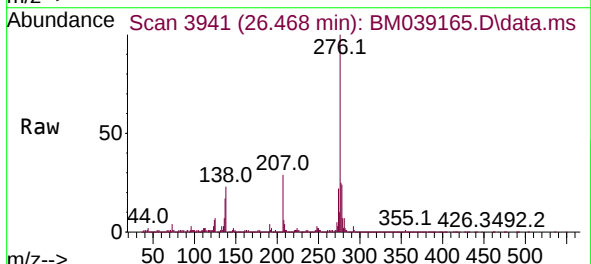
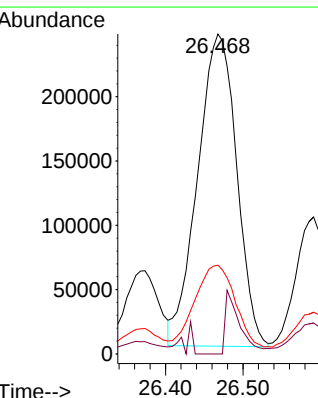
Tgt Ion:278 Resp: 853002

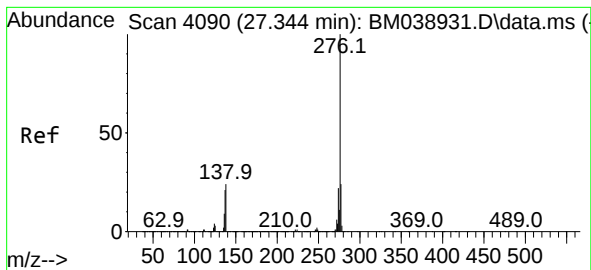
Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5#

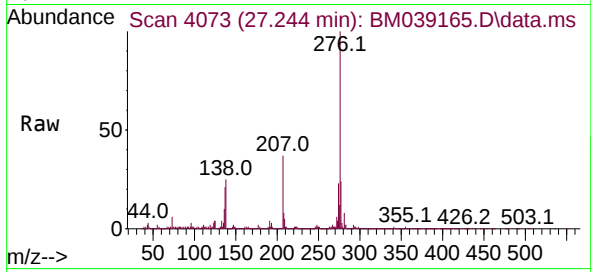
279 27.7 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 28.403 ng
 RT: 27.244 min Scan# 4090
 Delta R.T. -0.000 min
 Lab File: BM039165.D
 Acq: 27 Mar 2023 18:01

Instrument :
 BNA_M
 ClientSampleId :
 WC01



Tgt Ion: 276 Resp: 279619

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	24.5	19.0	28.6

Manual Integrations
 APPROVED

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

