

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039170.D
 Acq On : 27 Mar 2023 21:09
 Operator : CG/JU
 Sample : 02082-02 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-224

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 01:53:15 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	306425	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1197032	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	685519	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1410394	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1352156	20.000	ng	0.00
86) Perylene-d12	23.944	264	1534527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	901728	44.709	ng	0.00
7) Phenol-d6	7.116	99	1123864	42.900	ng	0.00
23) Nitrobenzene-d5	9.116	82	676213	27.749	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	363761	45.869	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	1292289	24.541	ng	0.00
79) Terphenyl-d14	19.956	244	1773039	23.974	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.310	152	176606	2.532	ng	99
71) Phenanthrene	17.380	178	2660700	32.143	ng	100
72) Anthracene	17.468	178	346387	4.196	ng	99
73) Carbazole	17.739	167	324200	4.303	ng	98
75) Fluoranthene	19.398	202	7714533	88.268	ng	99
78) Pyrene	19.756	202	6049410	59.566	ng	99
81) Benzo(a)anthracene	21.497	228	943173	9.686	ng	98
83) Chrysene	21.556	228	2714797	28.666	ng	99
84) Bis(2-ethylhexyl)phtha...	21.421	149	71429	3.570	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.468	276	405264	3.471	ng	95
88) Benzo(b)fluoranthene	23.203	252	2019071	20.595	ng	96
89) Benzo(k)fluoranthene	23.250	252	599029m	5.871	ng	
90) Benzo(a)pyrene	23.839	252	559670	5.932	ng	# 95
92) Benzo(g,h,i)perylene	27.250	276	356874	3.689	ng	95

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

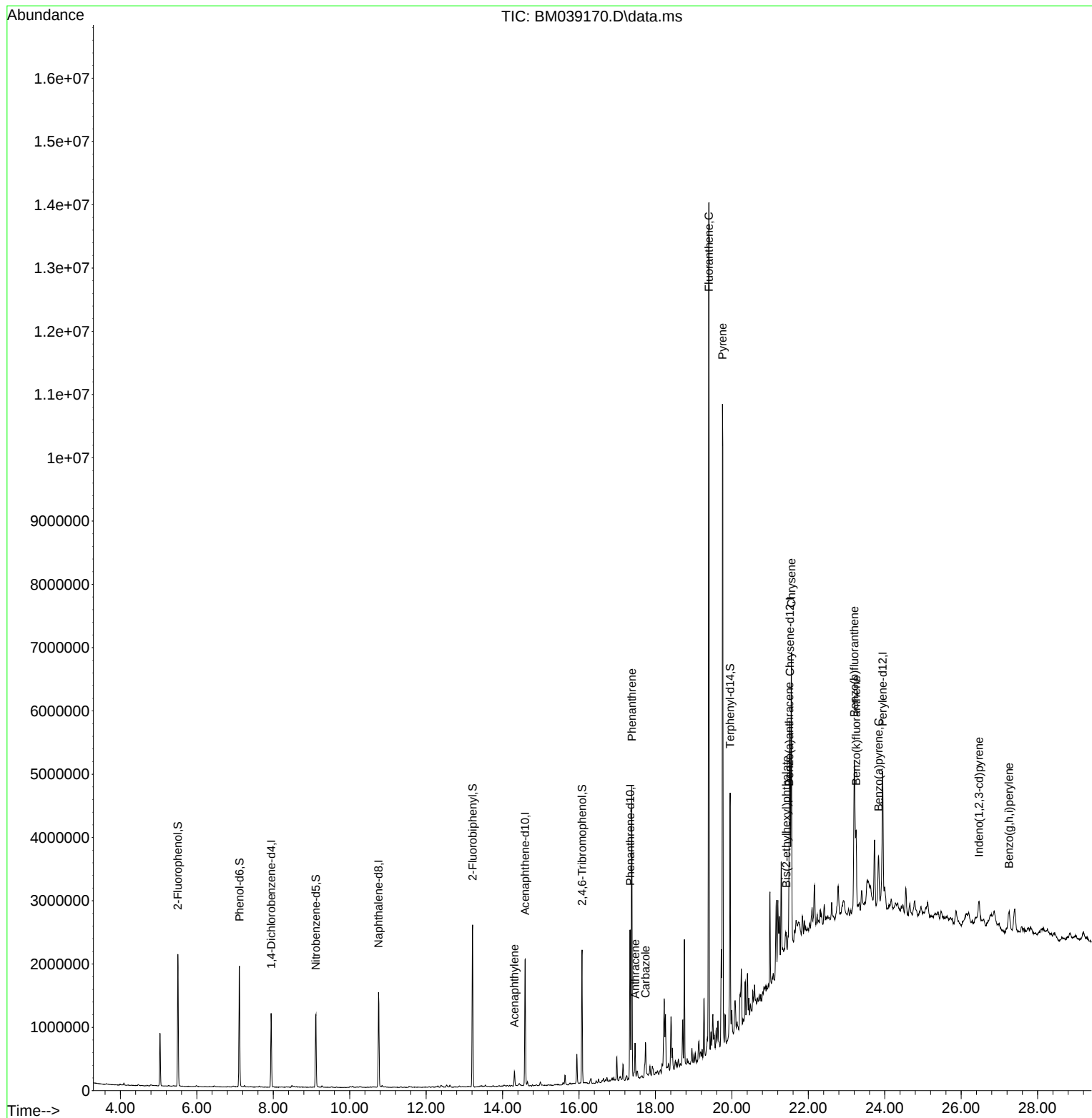
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
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ALS Vial : 16 Sample Multiplier: 1

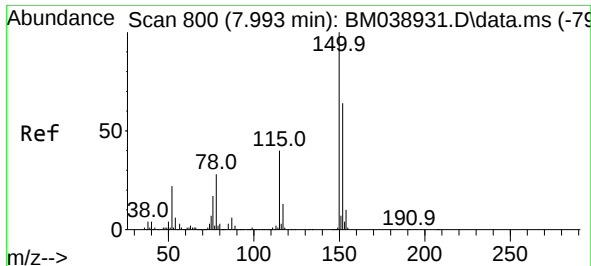
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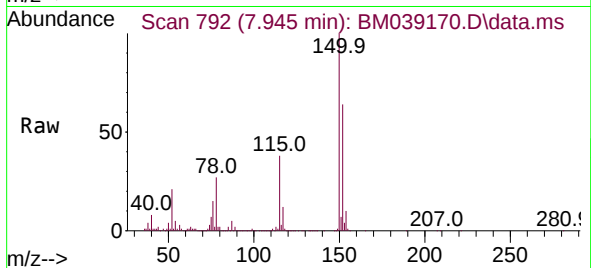
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

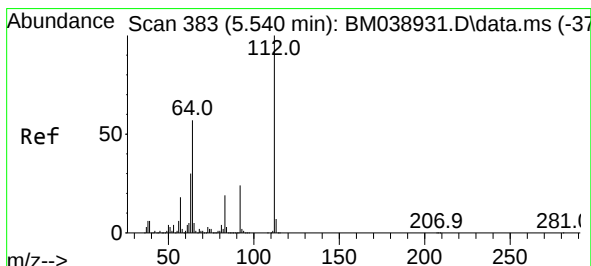
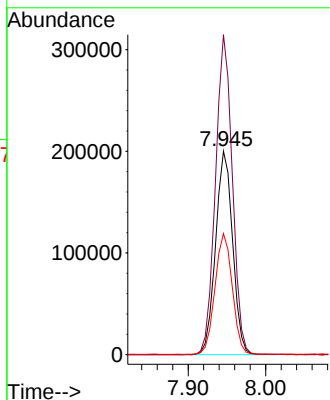
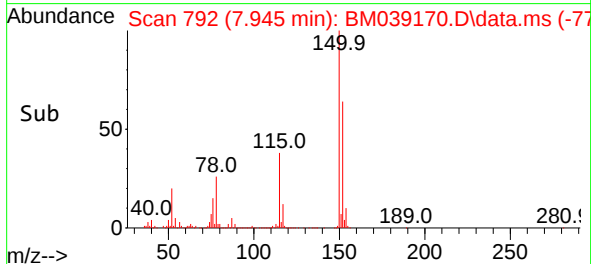
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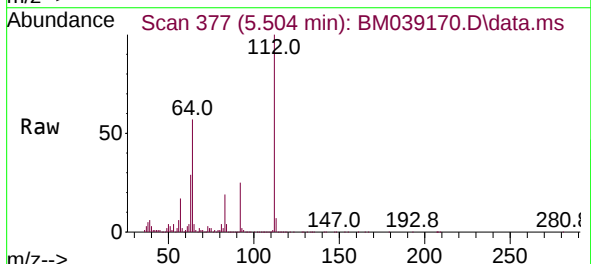
Tgt Ion:152 Resp: 306425
Ion Ratio Lower Upper
152 100
150 157.2 125.1 187.7
115 59.5 49.6 74.4

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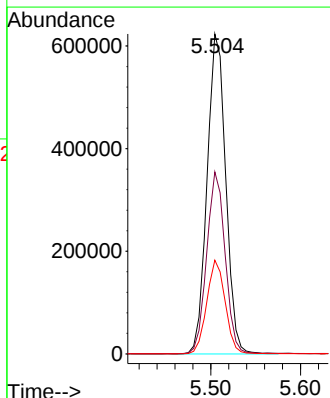
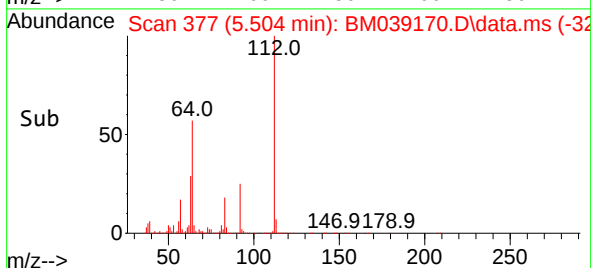
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

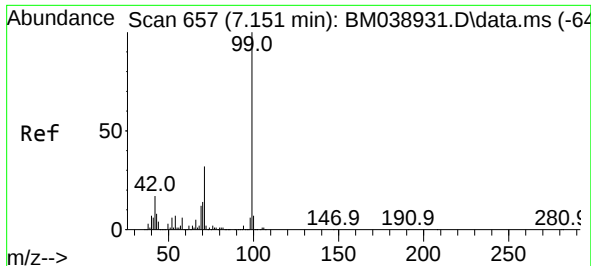


#5
2-Fluorophenol
Concen: 44.709 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09



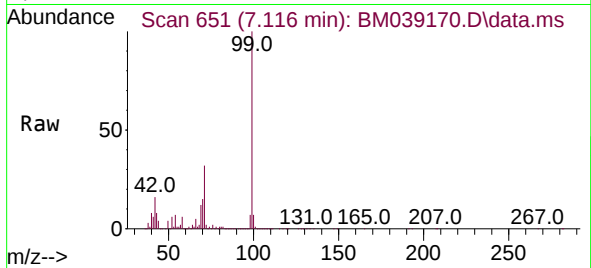
Tgt Ion:112 Resp: 901728
Ion Ratio Lower Upper
112 100
64 56.9 45.9 68.9
63 29.3 23.8 35.8





#7
Phenol-d6
Concen: 42.900 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

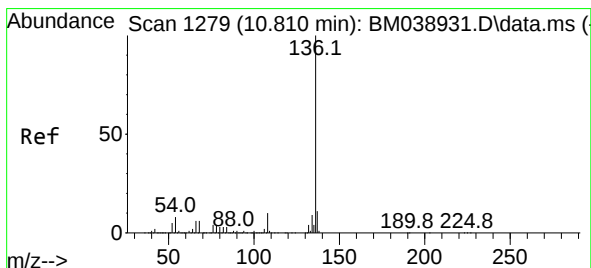
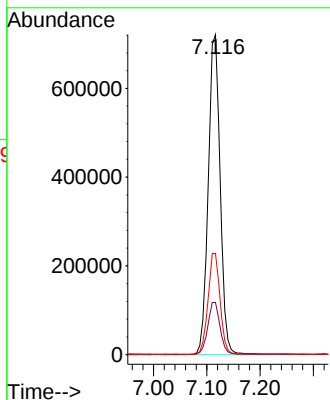
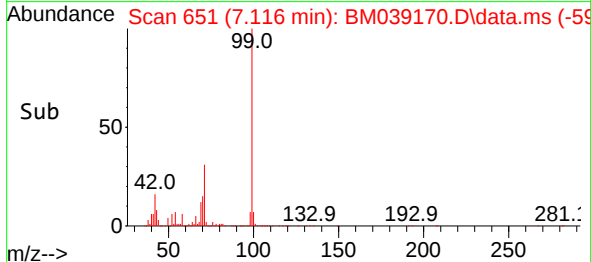
Instrument :
BNA_M
ClientSampleId :
VNJ-224



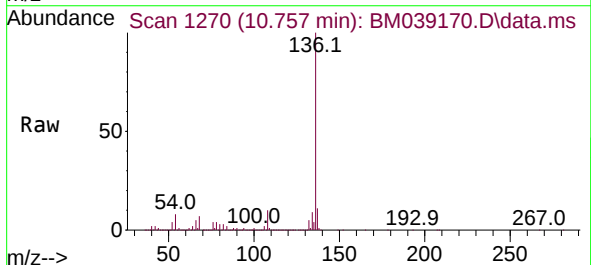
Tgt Ion: 99 Resp: 1123864
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 31.6 25.6 38.4

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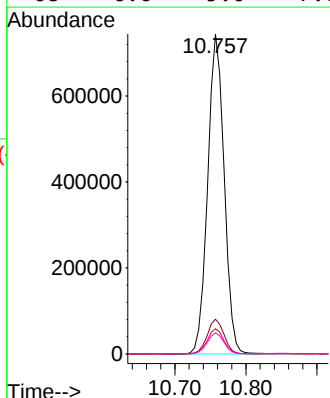
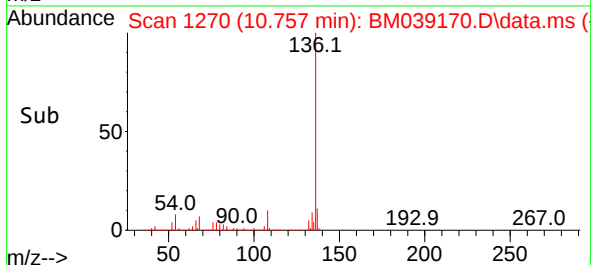
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

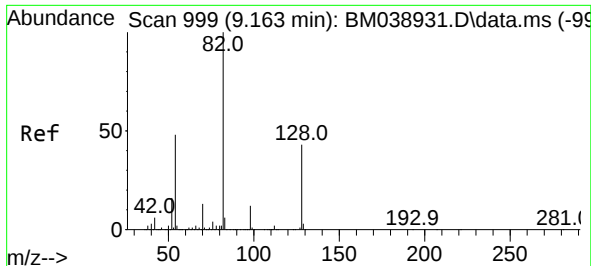


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09



Tgt Ion:136 Resp: 1197032
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.9 6.3 9.5
68 6.6 5.0 7.6





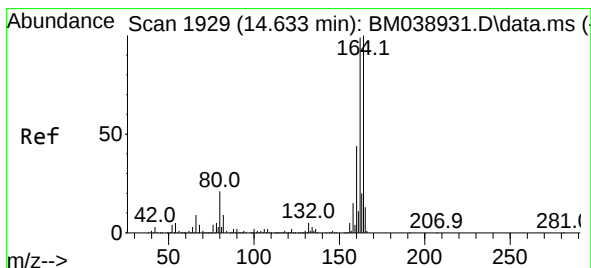
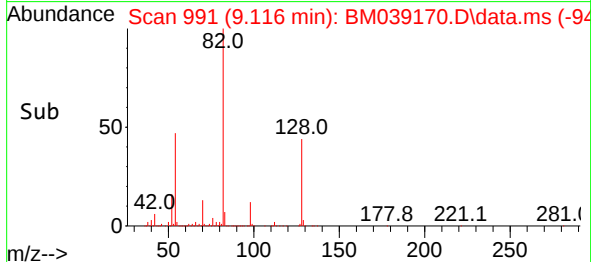
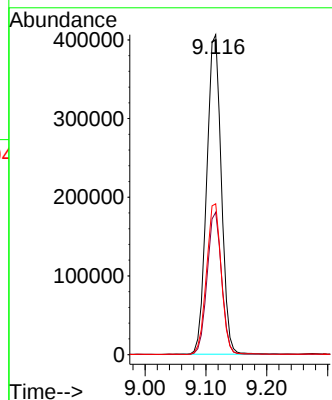
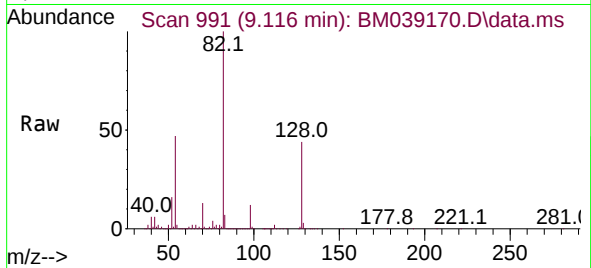
#23
Nitrobenzene-d5
Concen: 27.749 ng
RT: 9.116 min Scan# 999
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Instrument :
BNA_M
ClientSampleId :
VNJ-224

Tgt Ion: 82 Resp: 676213
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 47.1 38.8 58.2

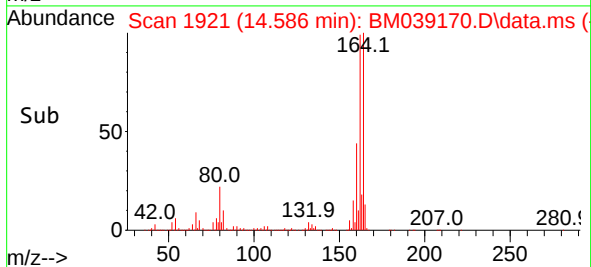
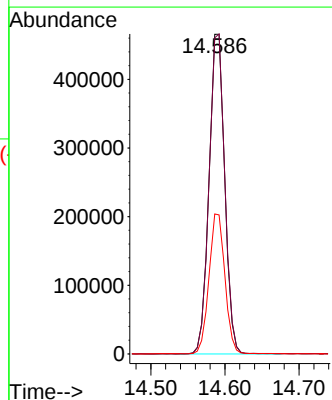
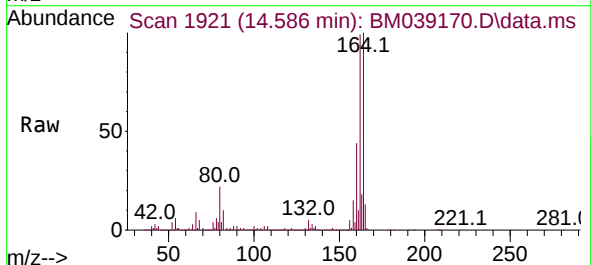
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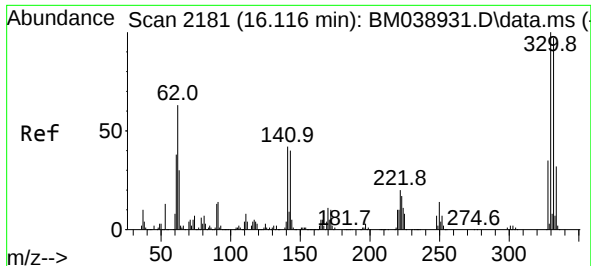
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:164 Resp: 685519
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 43.8 35.5 53.3





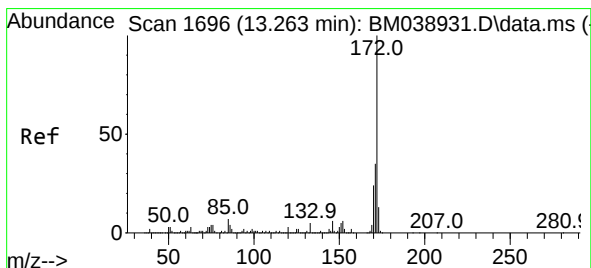
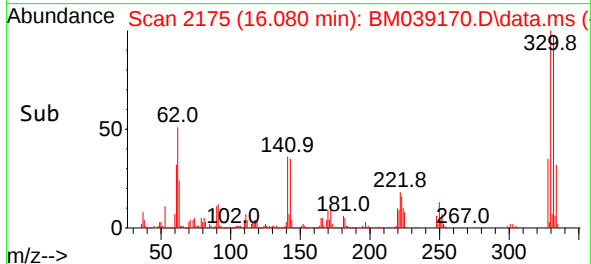
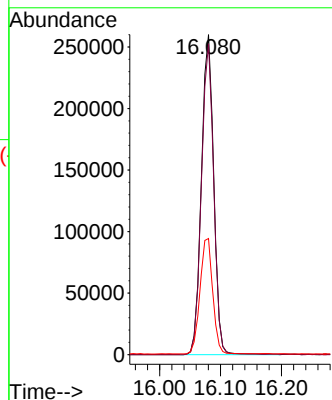
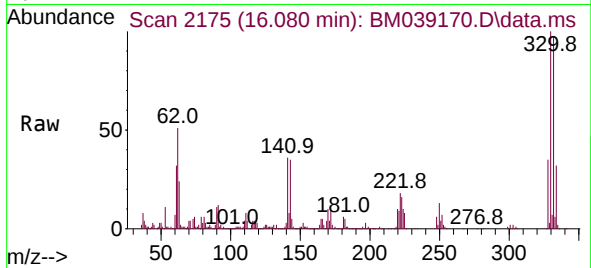
#42
2,4,6-Tribromophenol
Concen: 45.869 ng
RT: 16.080 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Instrument :
BNA_M
ClientSampleId :
VNJ-224

Tgt Ion:330 Resp: 363761
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 37.4 32.2 48.4

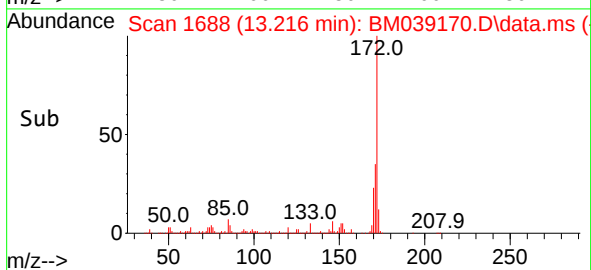
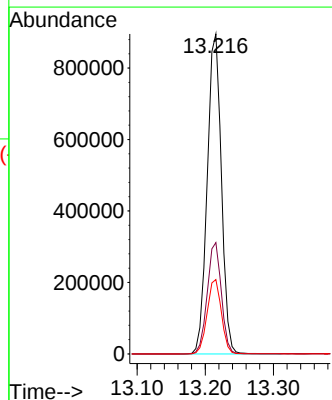
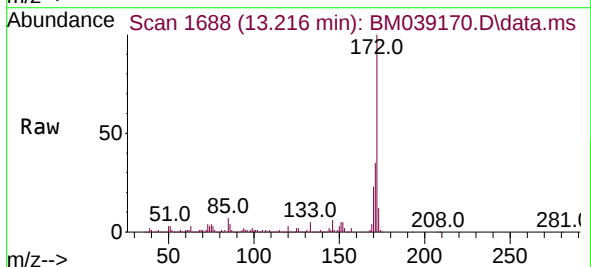
Manual Integrations
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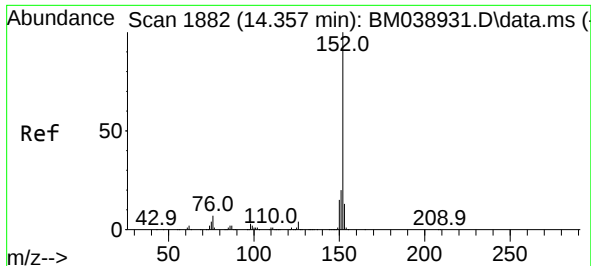
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#45
2-Fluorobiphenyl
Concen: 24.541 ng
RT: 13.216 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

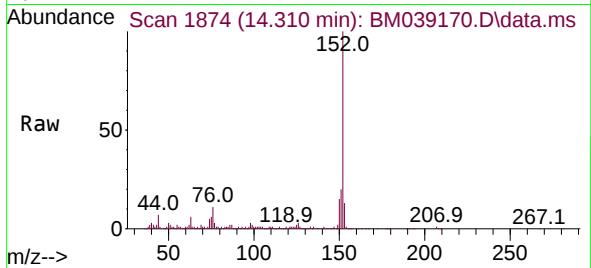
Tgt Ion:172 Resp: 1292289
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.2 19.1 28.7





#49
Acenaphthylene
Concen: 2.532 ng
RT: 14.310 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

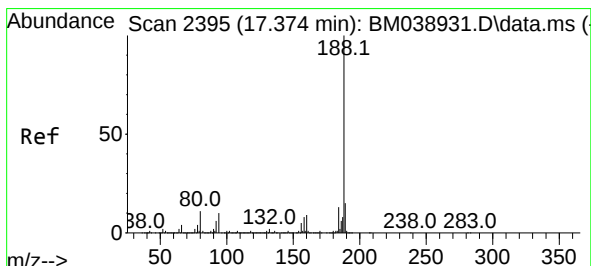
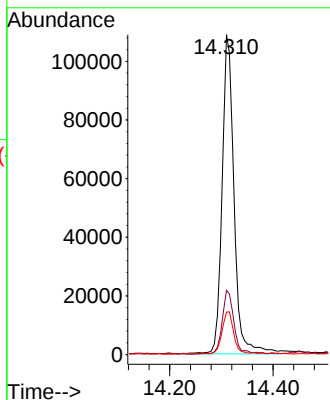
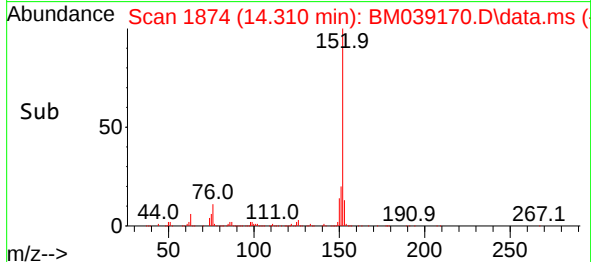
Instrument :
BNA_M
ClientSampleId :
VNJ-224



Tgt Ion:152 Resp: 176600
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 13.3 10.4 15.6

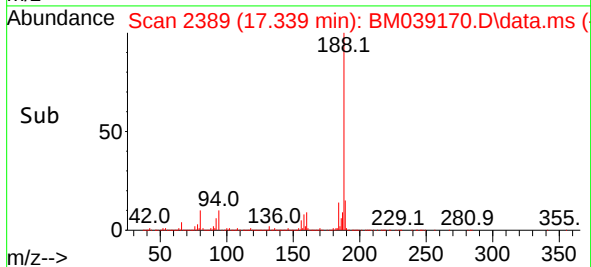
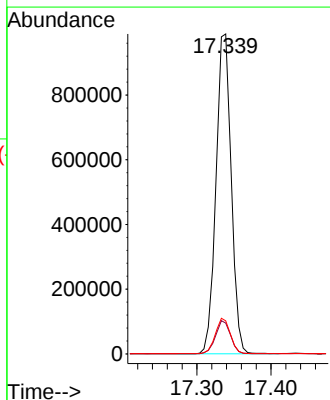
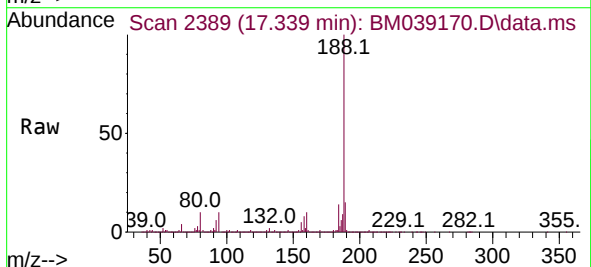
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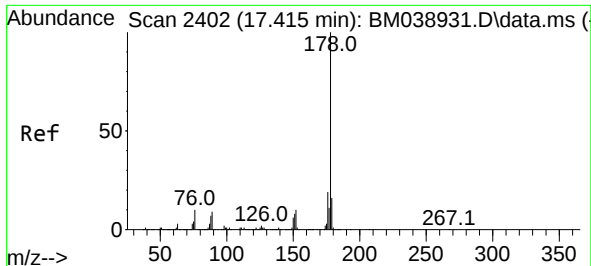
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2389
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:188 Resp: 1410394
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.3 8.5 12.7





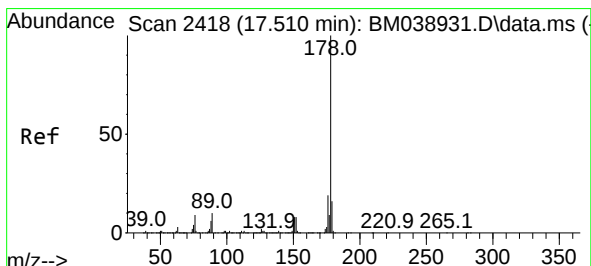
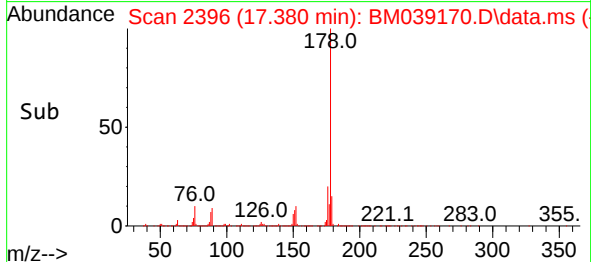
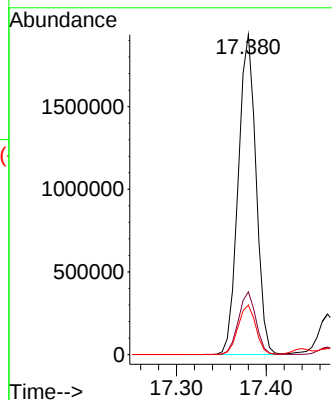
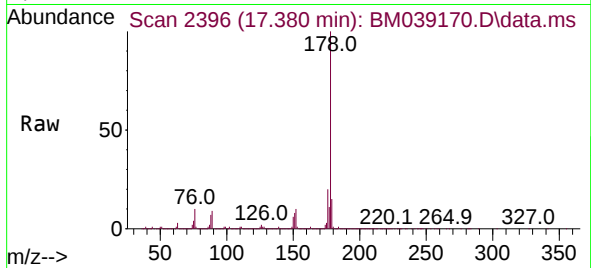
#71
Phenanthrene
Concen: 32.143 ng
RT: 17.380 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Instrument :
BNA_M
ClientSampleId :
VNJ-224

Tgt Ion:178 Resp: 2660700
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.5 12.5 18.7

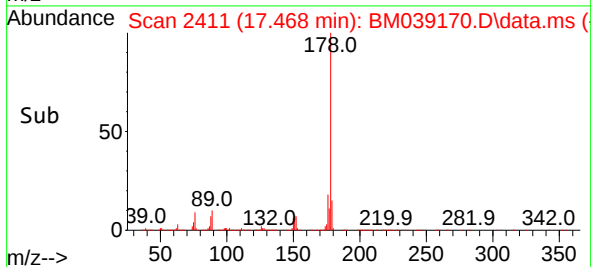
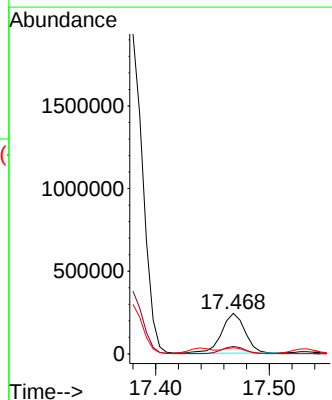
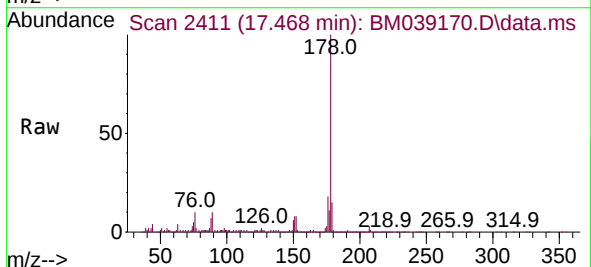
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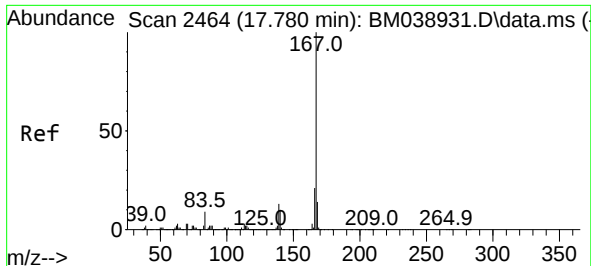
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#72
Anthracene
Concen: 4.196 ng
RT: 17.468 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

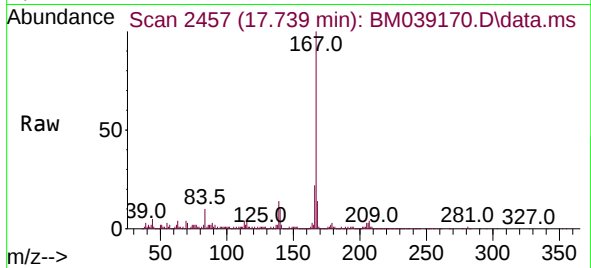
Tgt Ion:178 Resp: 346387
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.2 12.5 18.7





#73
 Carbazole
 Concen: 4.303 ng
 RT: 17.739 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: BM039170.D
 Acq: 27 Mar 2023 21:09

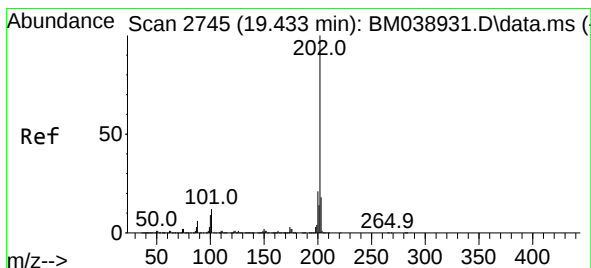
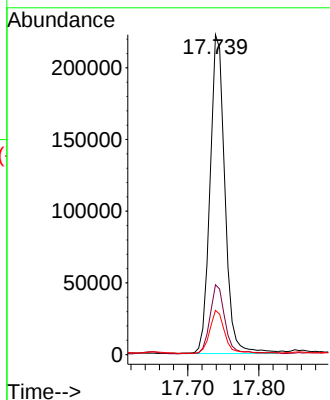
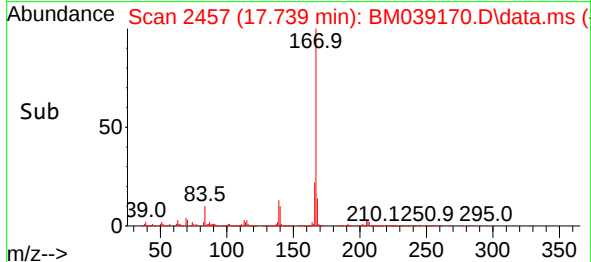
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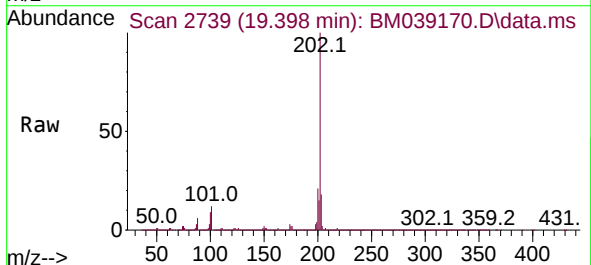
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 Ion Ratio Lower Upper
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 166 21.8 17.0 25.4
 139 13.8 10.3 15.5

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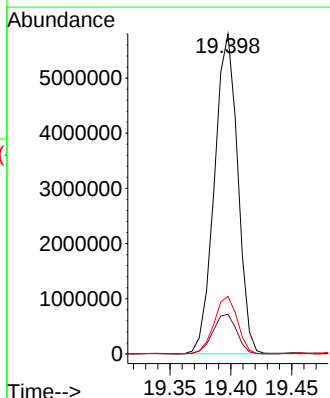
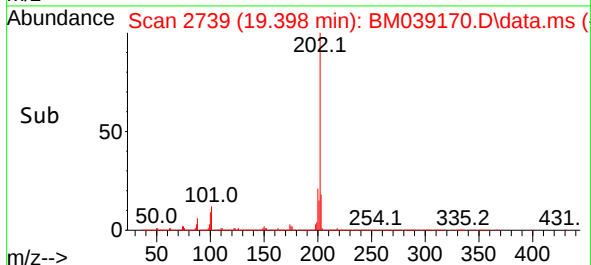
Reviewed By :Christian Giraldo 03/28/2023
 Supervised By :Jagrut Upadhyay 03/28/2023

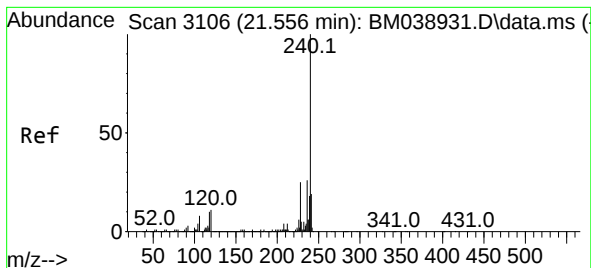


#75
 Fluoranthene
 Concen: 88.268 ng
 RT: 19.398 min Scan# 2739
 Delta R.T. 0.006 min
 Lab File: BM039170.D
 Acq: 27 Mar 2023 21:09



Tgt Ion:202 Resp: 7714533
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.7
 203 18.0 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: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

Tgt Ion:240 Resp: 1352156

Ion Ratio Lower Upper

240 100

120 12.6 9.2 13.8

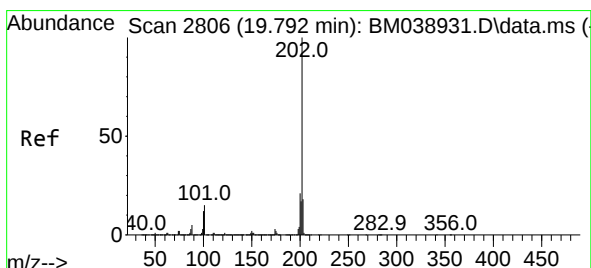
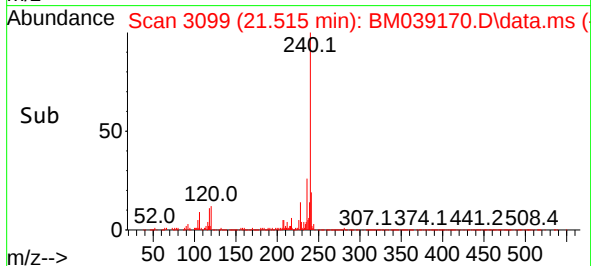
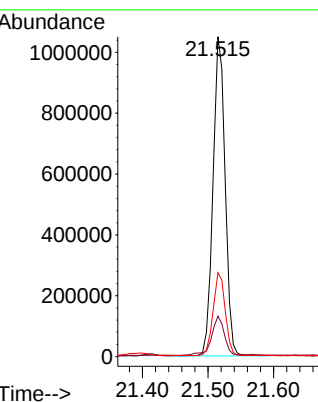
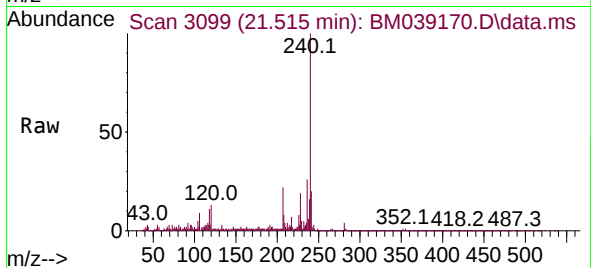
236 26.2 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#78

Pyrene

Concen: 59.566 ng

RT: 19.756 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

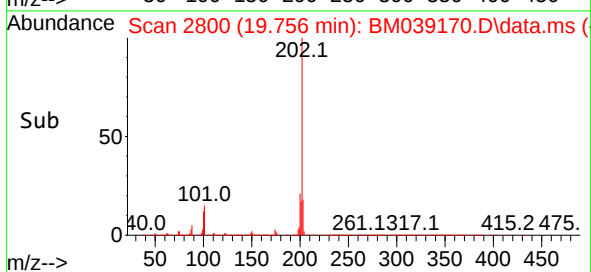
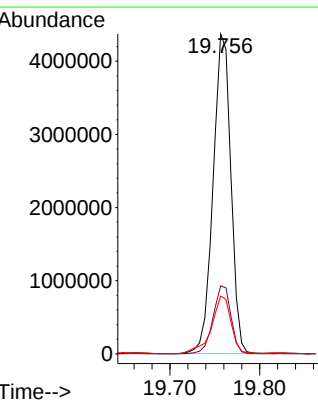
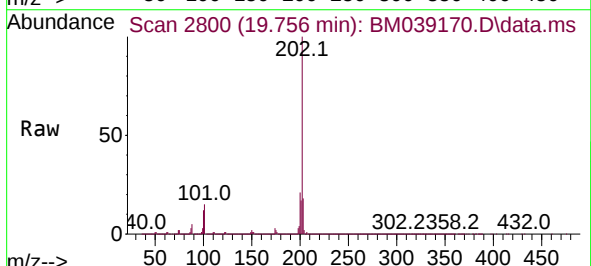
Tgt Ion:202 Resp: 6049410

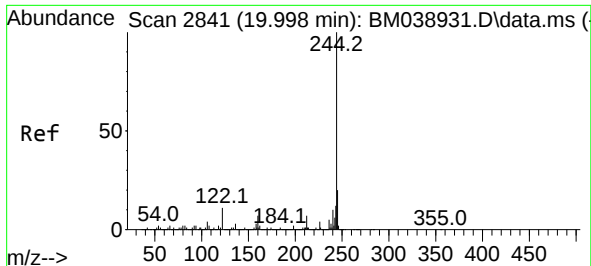
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

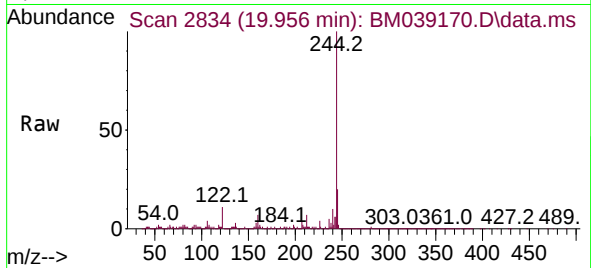
203 18.1 14.1 21.1





#79
Terphenyl-d14
Concen: 23.974 ng
RT: 19.956 min Scan# 2841
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

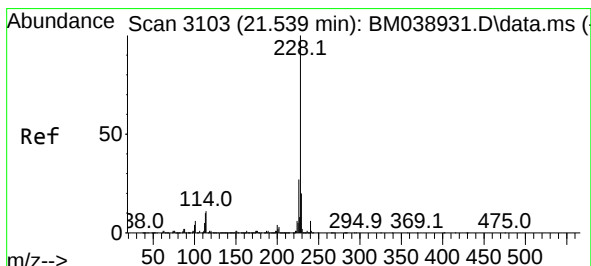
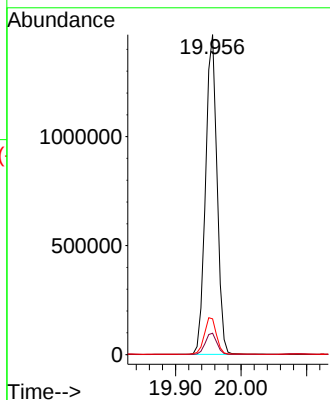
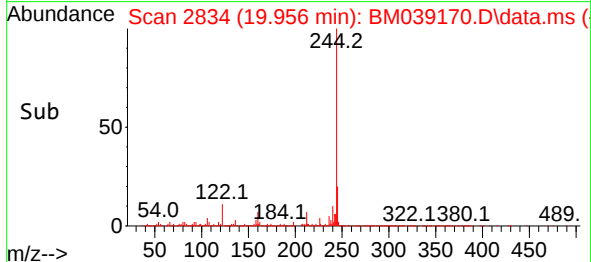
Instrument :
BNA_M
ClientSampleId :
VNJ-224



Tgt Ion:244 Resp: 1773039
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 11.2 9.0 13.4

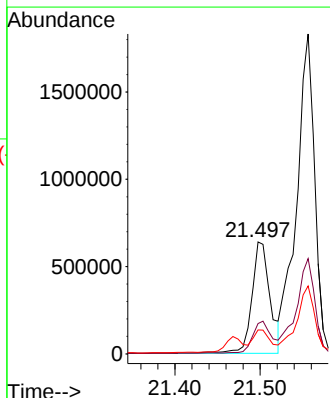
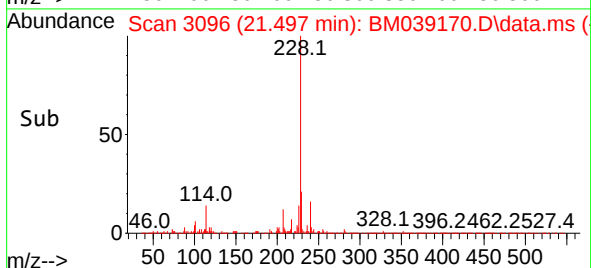
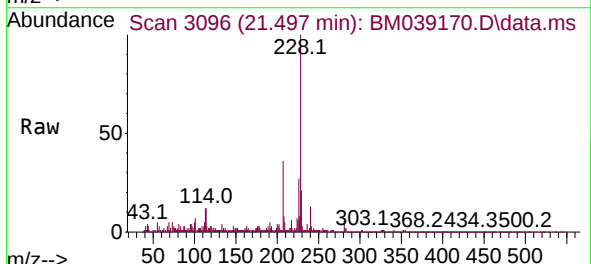
Manual Integrations
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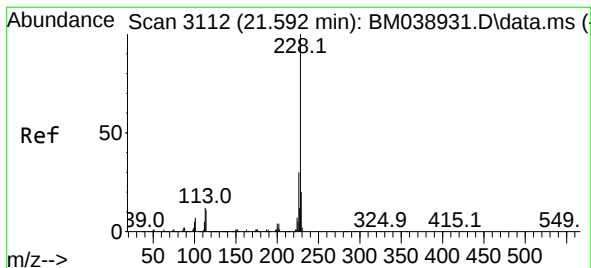
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#81
Benzo(a)anthracene
Concen: 9.686 ng
RT: 21.497 min Scan# 3096
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:228 Resp: 943173
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 21.4 15.7 23.5





#83

Chrysene

Concen: 28.666 ng

RT: 21.556 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

Tgt Ion:228 Resp: 271479

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

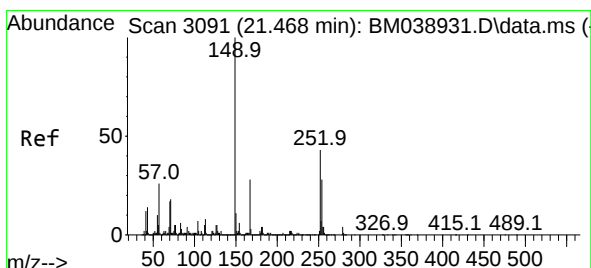
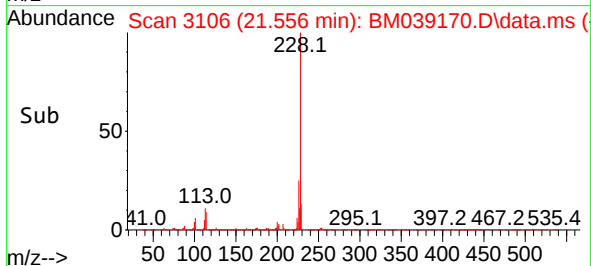
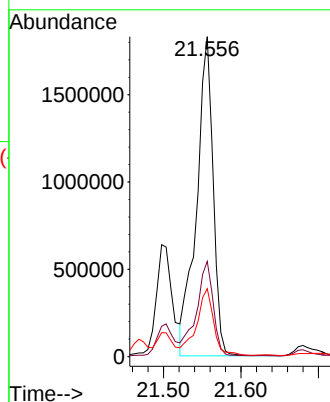
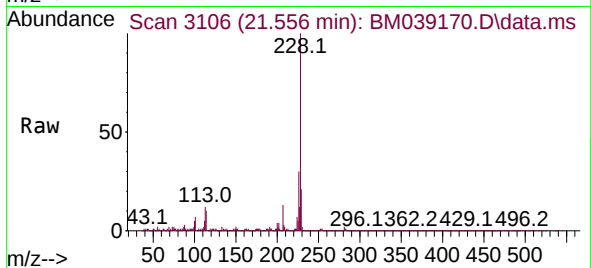
229 21.2 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.570 ng

RT: 21.421 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

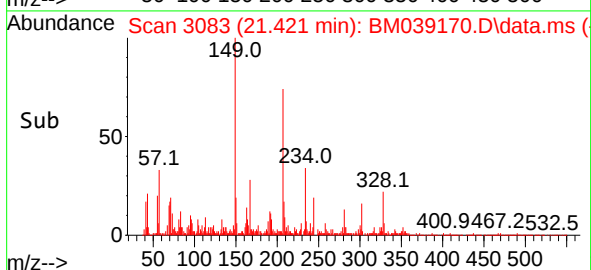
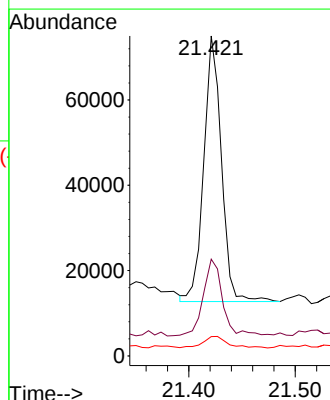
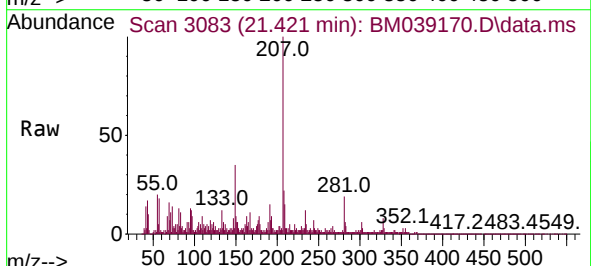
Tgt Ion:149 Resp: 71429

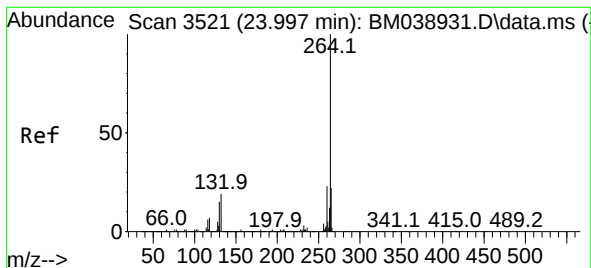
Ion Ratio Lower Upper

149 100

167 30.2 22.3 33.5

279 6.0 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: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

Tgt Ion:264 Resp: 153452

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

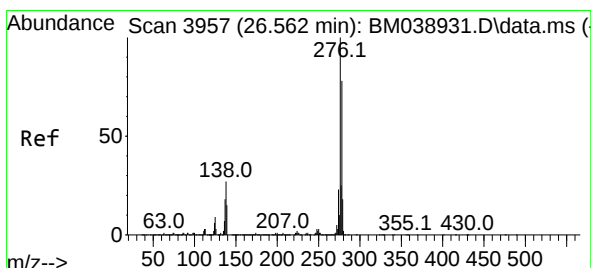
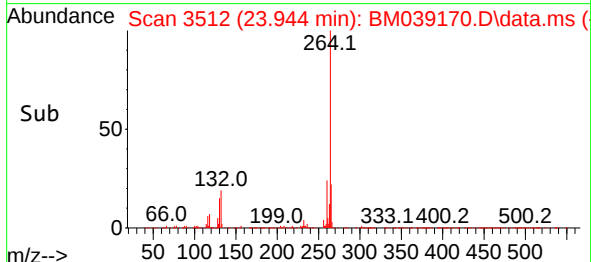
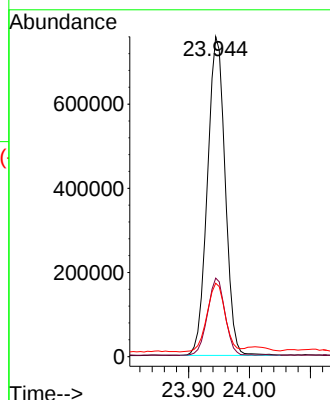
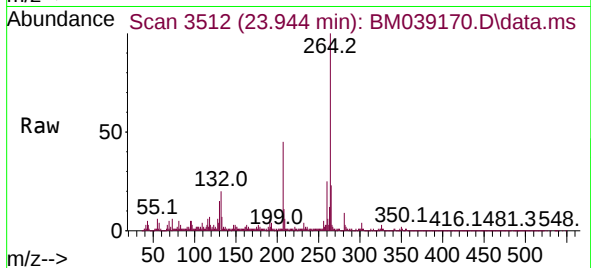
265 22.9 17.9 26.9

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: 3.471 ng

RT: 26.468 min Scan# 3941

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

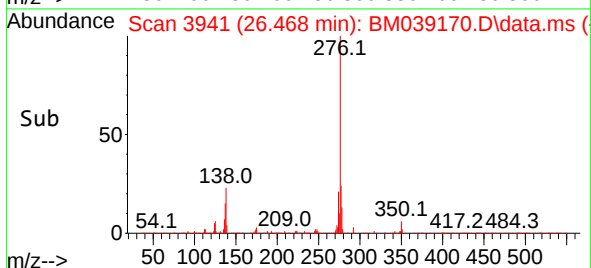
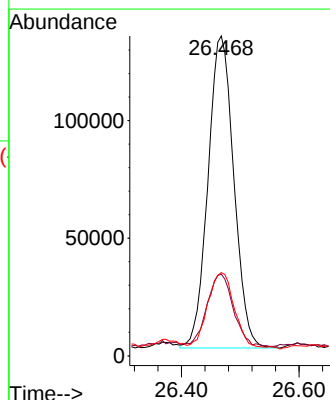
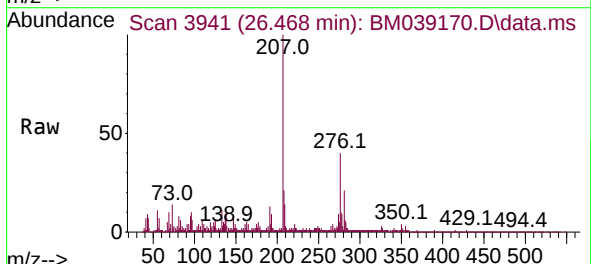
Tgt Ion:276 Resp: 405264

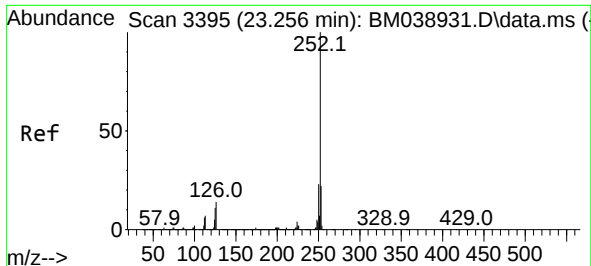
Ion Ratio Lower Upper

276 100

138 23.5 22.1 33.1

277 24.2 20.1 30.1





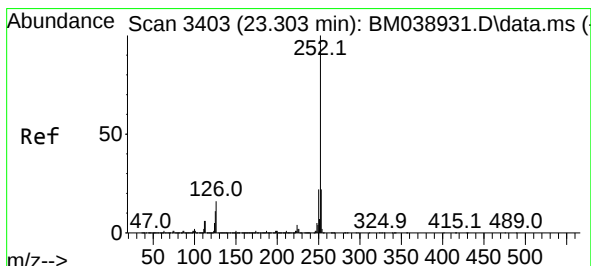
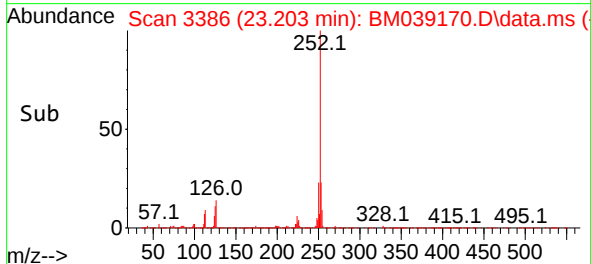
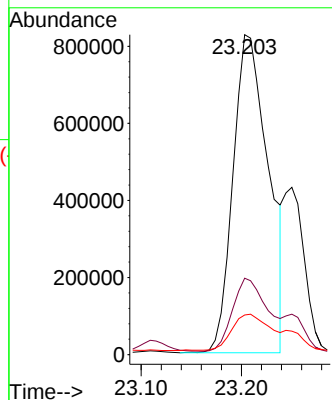
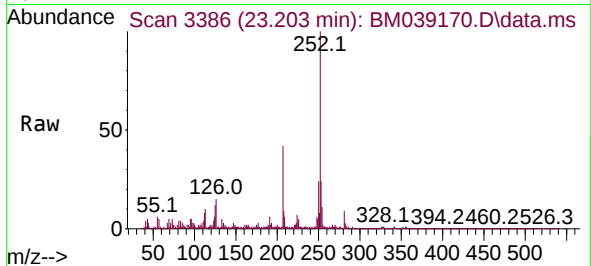
#88
Benzo(b)fluoranthene
Concen: 20.595 ng
RT: 23.203 min Scan# 3394
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Instrument :
BNA_M
ClientSampleId :
VNJ-224

Tgt Ion:252 Resp: 201907
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.4 8.8 13.2

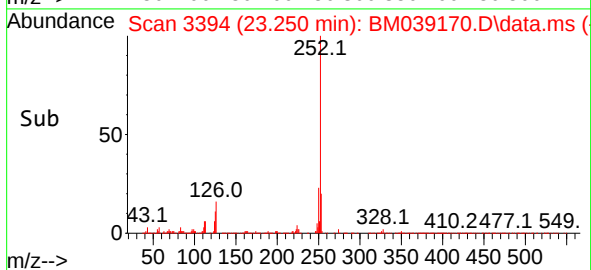
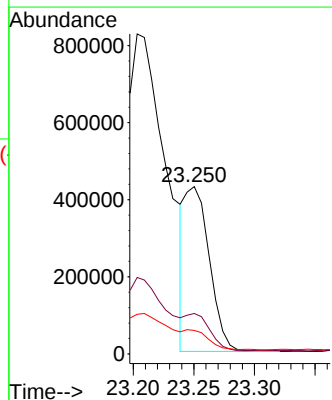
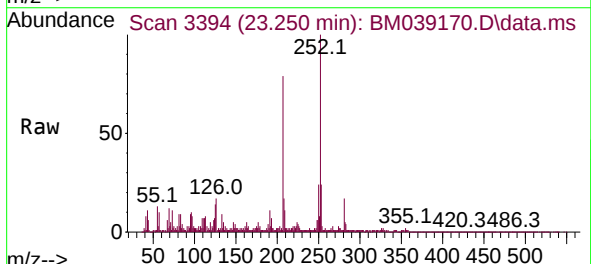
Manual Integrations
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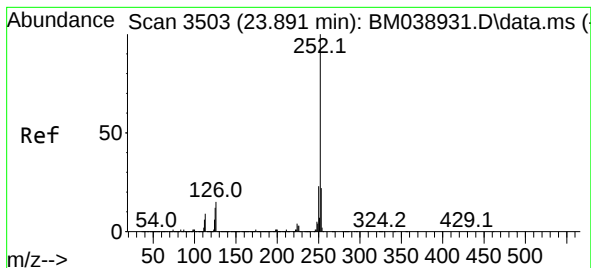
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#89
Benzo(k)fluoranthene
Concen: 5.871 ng m
RT: 23.250 min Scan# 3394
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:252 Resp: 599029
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 14.0 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 5.932 ng

RT: 23.839 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

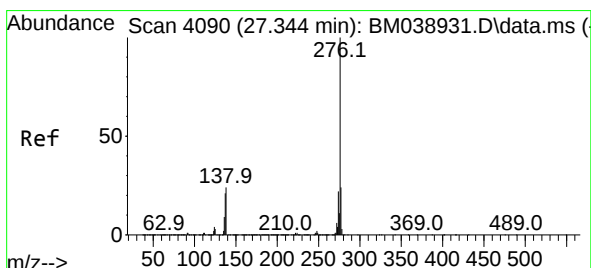
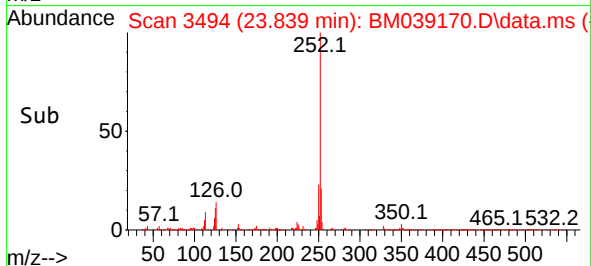
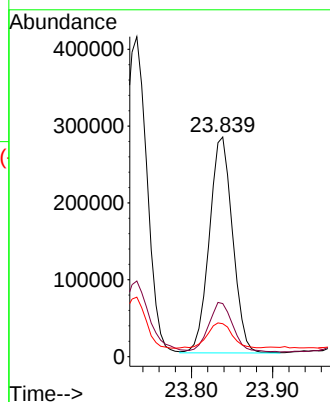
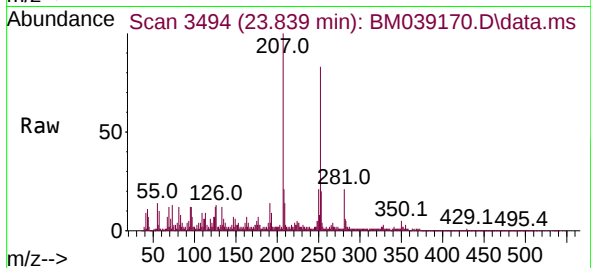
Tgt Ion:252 Resp: 559670

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	15.0	9.8	14.8

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 3.689 ng

RT: 27.250 min Scan# 4074

Delta R.T. 0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Tgt Ion:276 Resp: 356874

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.3	28.9
138	26.5	19.0	28.6

