

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038741.D
 Acq On : 14 Feb 2023 21:54
 Operator : CG/JU
 Sample : 01526-01DL 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-01-021023DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/15/2023
 Supervised By :Jagrut Upadhyay 02/17/2023

Quant Time: Feb 15 02:11:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	70998	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	255152	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	160968	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	332788	20.000	ng	# 0.00
76) Chrysene-d12	21.462	240	301034	20.000	ng	0.00
86) Perylene-d12	23.845	264	377608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	18111	4.997	ng	0.00
7) Phenol-d6	7.075	99	19223	4.650	ng	0.00
23) Nitrobenzene-d5	9.075	82	9865	2.196	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	3182	1.454	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	33070	2.616	ng	0.00
79) Terphenyl-d14	19.898	244	45069	2.642	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.263	152	38756	2.452	ng	99
52) Acenaphthene	14.604	154	20675	2.191	ng	96
58) Fluorene	15.586	166	51025	3.969	ng	93
71) Phenanthrene	17.327	178	506126	25.614	ng	98
72) Anthracene	17.416	178	138423	6.848	ng	99
75) Fluoranthene	19.339	202	629156	30.325	ng	98
78) Pyrene	19.704	202	610879	26.357	ng	99
81) Benzo(a)anthracene	21.445	228	292976	13.758	ng	97
83) Chrysene	21.498	228	253787	12.370	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	181045	6.087	ng	98
88) Benzo(b)fluoranthene	23.121	252	357446	15.804	ng	99
89) Benzo(k)fluoranthene	23.156	252	105757m	4.605	ng	
90) Benzo(a)pyrene	23.739	252	286922	12.828	ng	99
91) Dibenzo(a,h)anthracene	26.309	278	52892m	2.114	ng	
92) Benzo(g,h,i)perylene	27.074	276	181372	7.170	ng	95

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

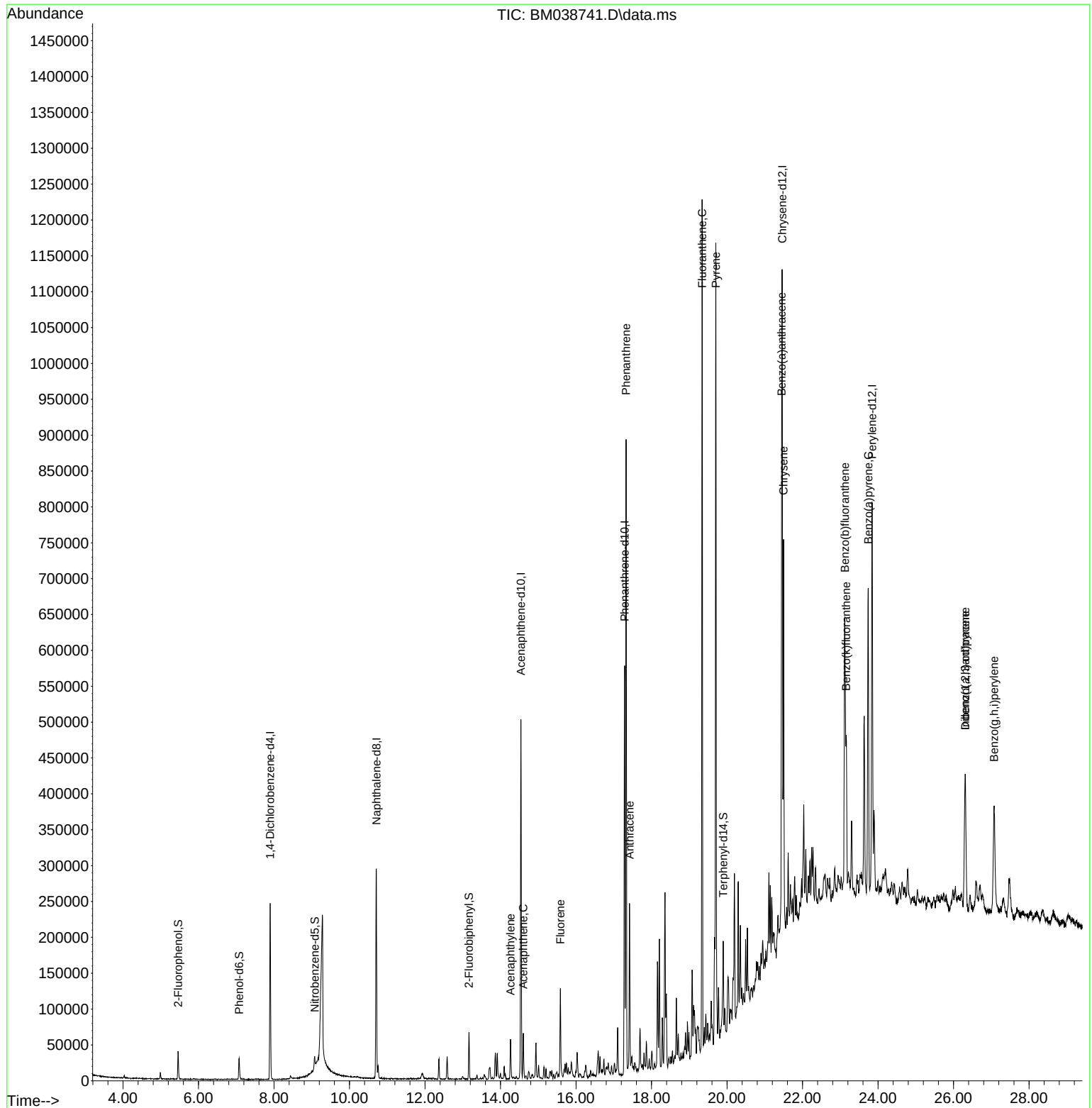
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
Data File : BM038741.D
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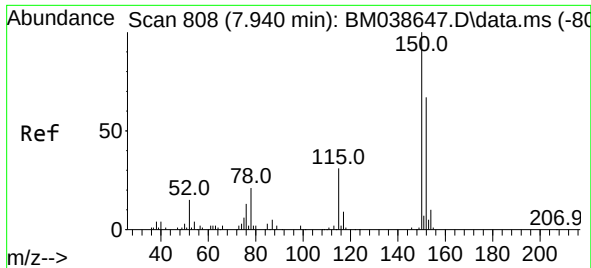
Instrument :
BNA_M
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Quant Time: Feb 15 02:11:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
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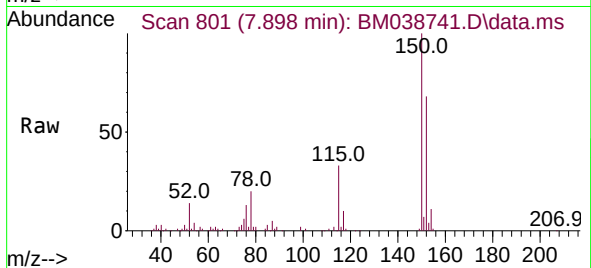
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

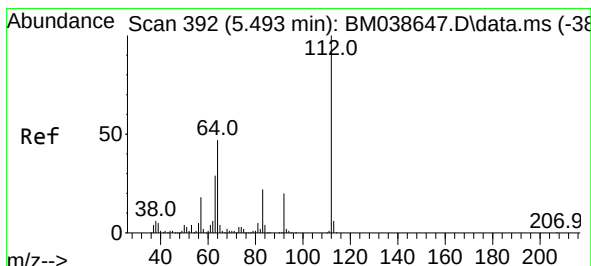
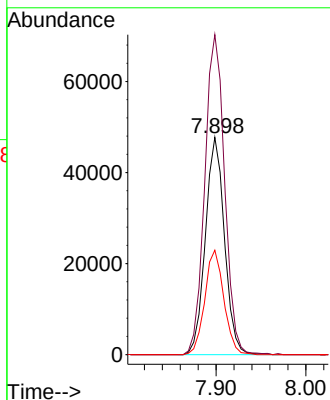
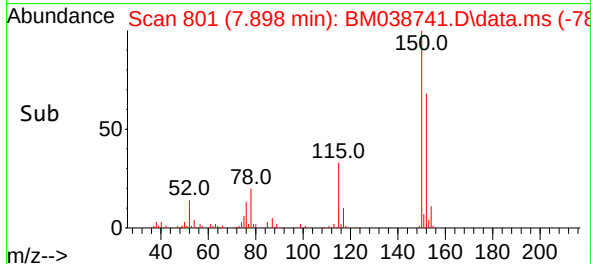
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



Tgt Ion:152 Resp: 70998
Ion Ratio Lower Upper
152 100
150 147.3 119.5 179.3
115 48.1 37.6 56.4

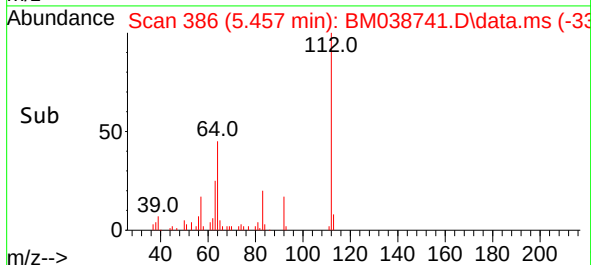
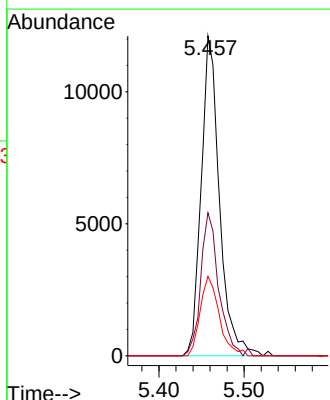
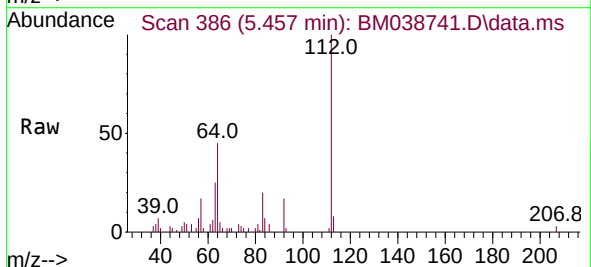
Manual Integrations
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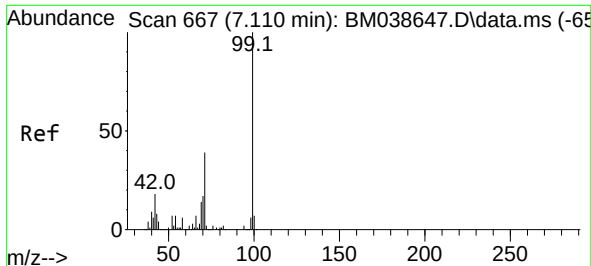
Reviewed By :Christian Giraldo 02/15/2023
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#5
2-Fluorophenol
Concen: 4.997 ng
RT: 5.457 min Scan# 386
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

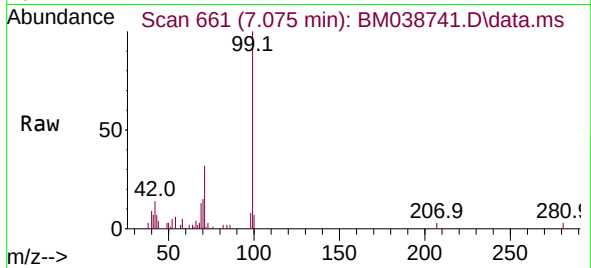
Tgt Ion:112 Resp: 18111
Ion Ratio Lower Upper
112 100
64 44.7 37.9 56.9
63 24.8 23.3 34.9





#7
Phenol-d6
Concen: 4.650 ng
RT: 7.075 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

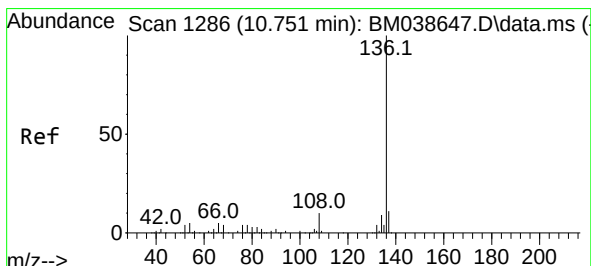
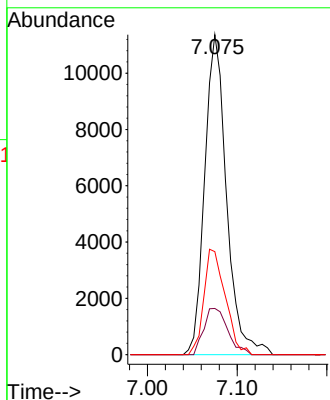
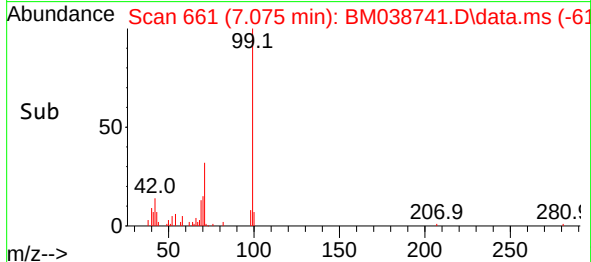
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



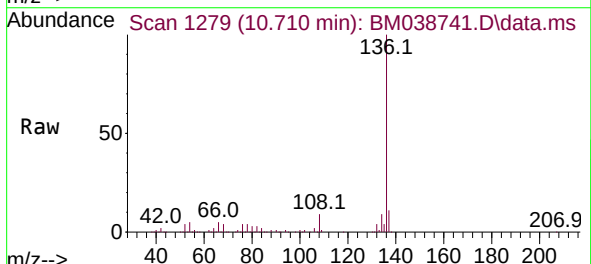
Tgt Ion: 99 Resp: 19223
Ion Ratio Lower Upper
99 100
42 14.4 14.6 22.0
71 32.2 31.0 46.4

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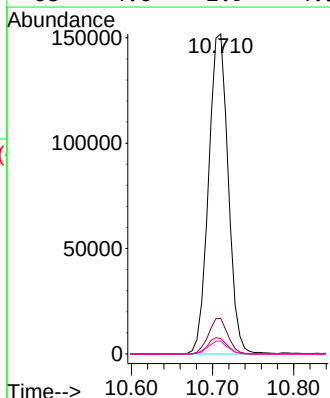
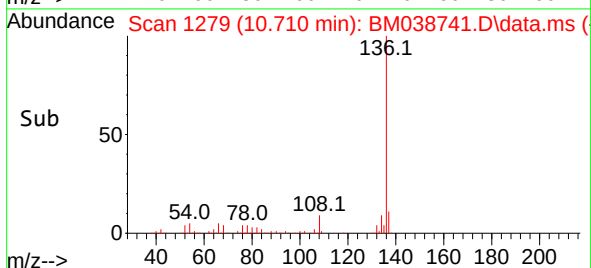
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

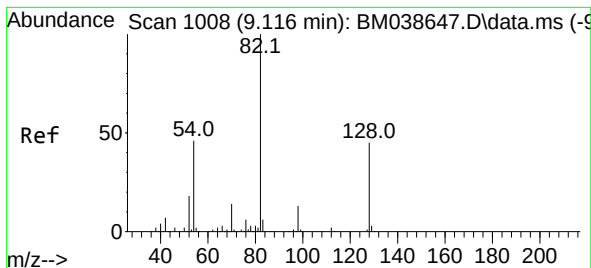


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54



Tgt Ion:136 Resp: 255152
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 4.8 4.2 6.4
68 4.0 2.9 4.3





#23

Nitrobenzene-d5

Concen: 2.196 ng

RT: 9.075 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

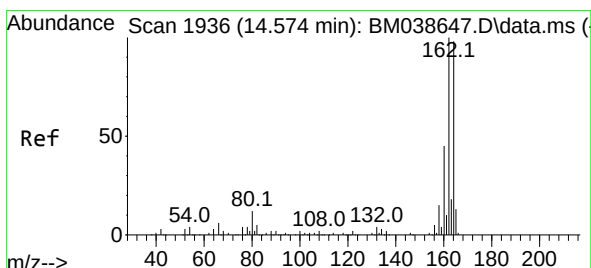
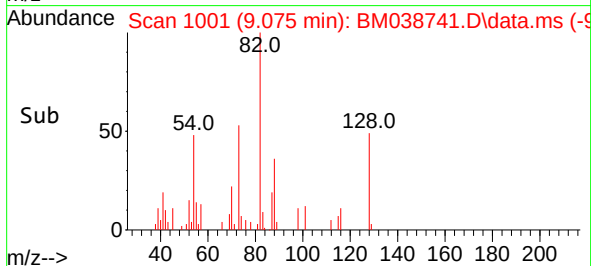
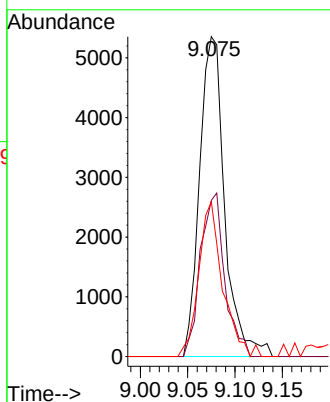
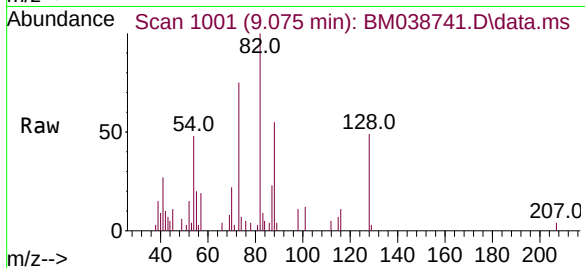
Tgt Ion: 82	Resp: 986
Ion Ratio	Lower Upper
82 100	
128 48.8	36.0 54.0
54 48.4	36.8 55.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

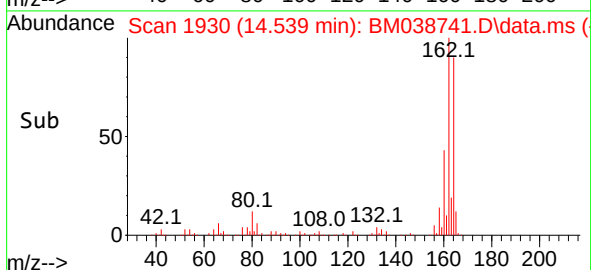
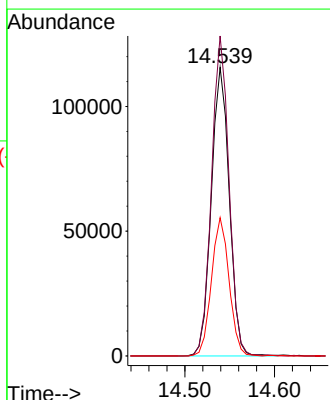
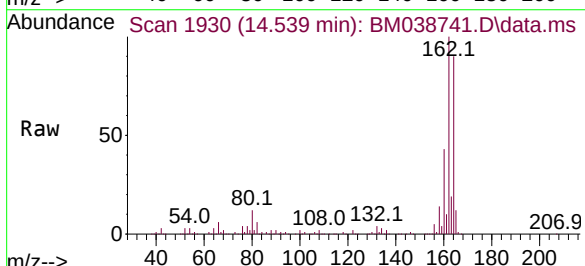
RT: 14.539 min Scan# 1930

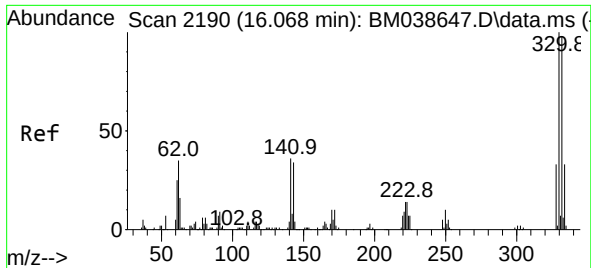
Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

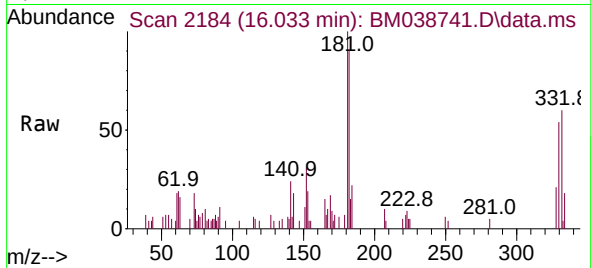
Tgt Ion:164	Resp: 160968
Ion Ratio	Lower Upper
164 100	
162 110.9	81.4 122.0
160 47.9	36.5 54.7





#42
2,4,6-Tribromophenol
Concen: 1.454 ng
RT: 16.033 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

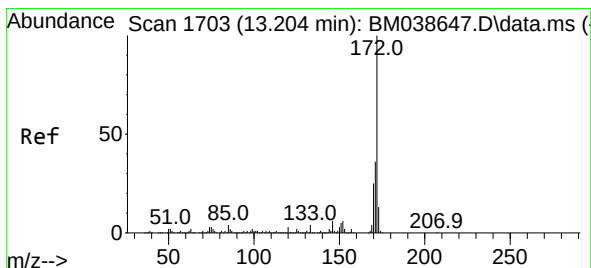
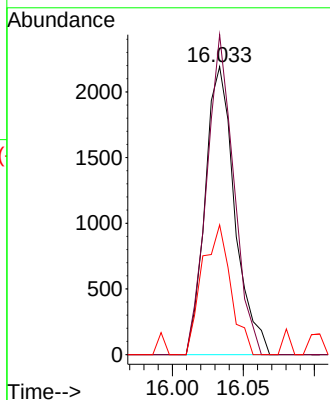
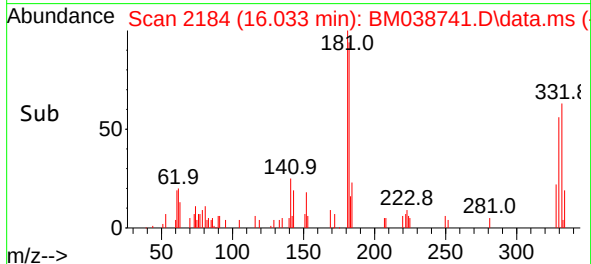
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



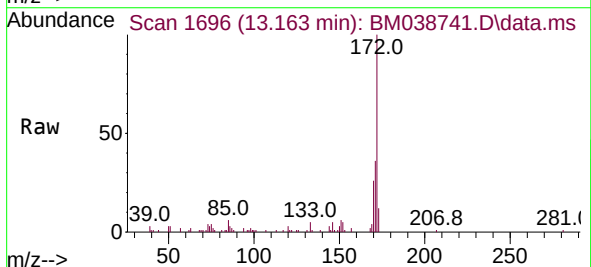
Tgt Ion: 330 Resp: 3182
Ion Ratio Lower Upper
330 100
332 101.3 77.8 116.6
141 43.2 31.0 46.6

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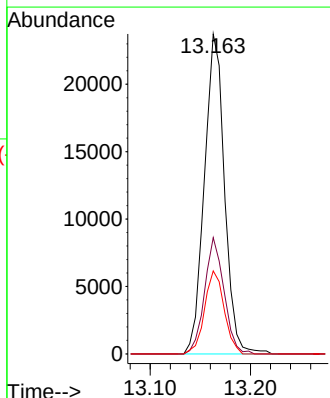
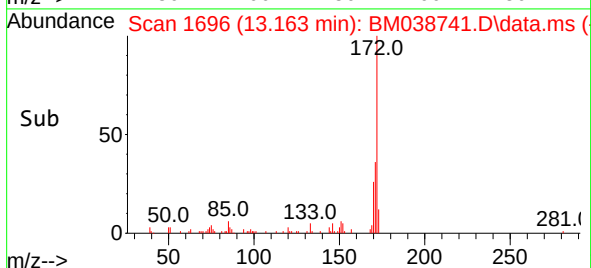
Reviewed By : Christian Giraldo 02/15/2023
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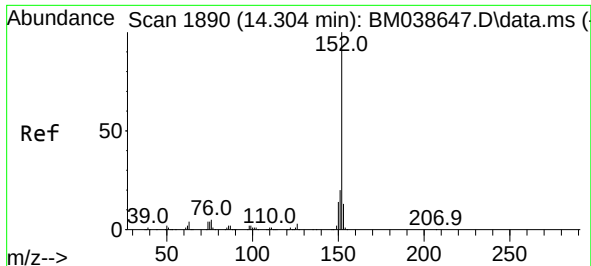


#45
2-Fluorobiphenyl
Concen: 2.616 ng
RT: 13.163 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54



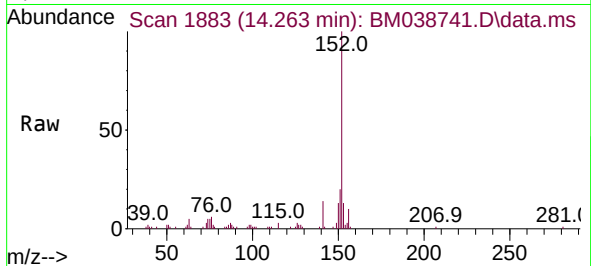
Tgt Ion: 172 Resp: 33070
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 25.9 20.0 30.0





#49
Acenaphthylene
Concen: 2.452 ng
RT: 14.263 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

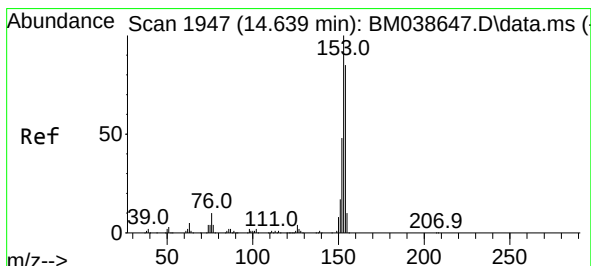
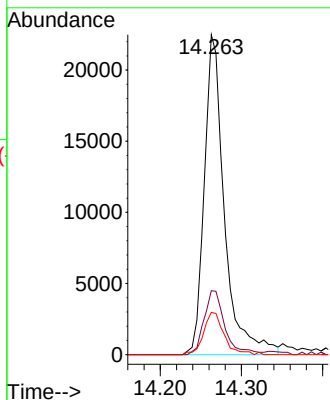
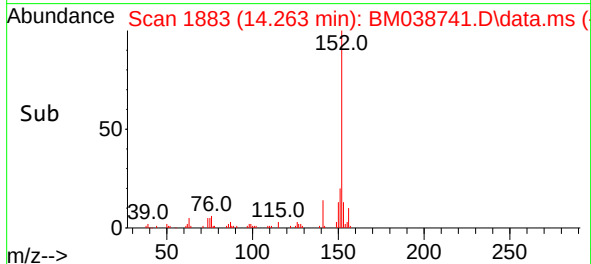
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BNA_M
ClientSampleId :
PL-01-021023DL



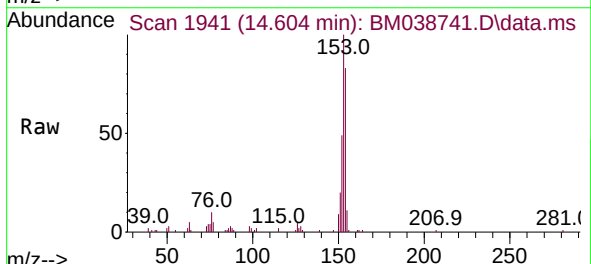
Tgt Ion:152 Resp: 38756
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.2 10.0 15.0

Manual Integrations
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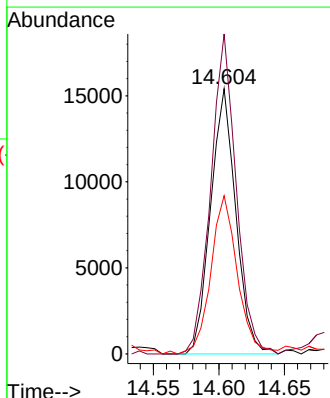
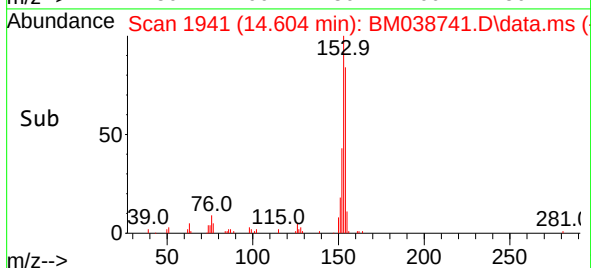
Reviewed By :Christian Giraldo 02/15/2023
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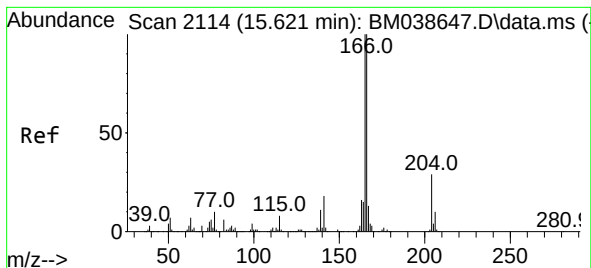


#52
Acenaphthene
Concen: 2.191 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54



Tgt Ion:154 Resp: 20675
Ion Ratio Lower Upper
154 100
153 120.6 93.7 140.5
152 59.7 44.6 67.0





#58

Fluorene

Concen: 3.969 ng

RT: 15.586 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

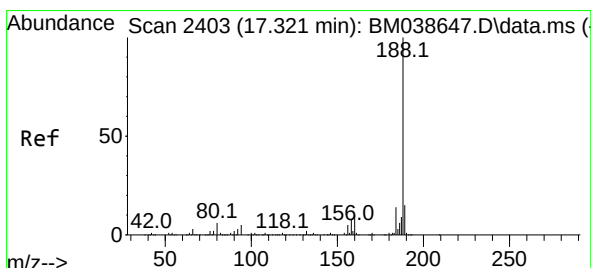
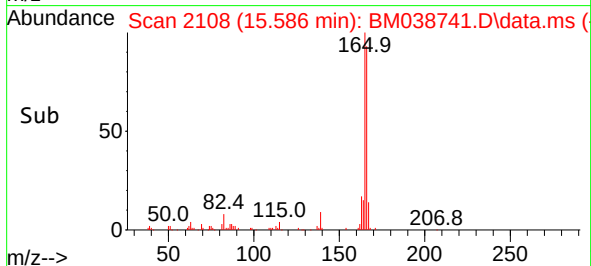
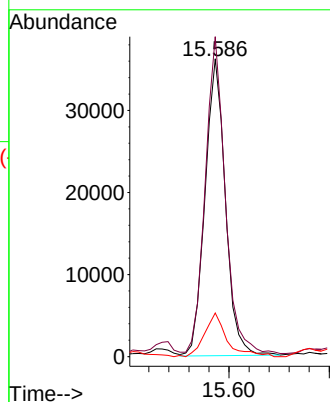
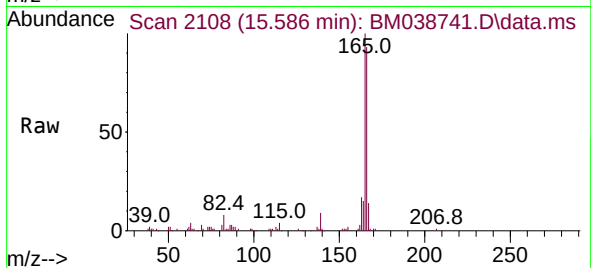
PL-01-021023DL

Tgt Ion:166	Resp: 51025
Ion Ratio	Lower Upper
166	100
165	107.4 80.2 120.4
167	14.6 10.7 16.1

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

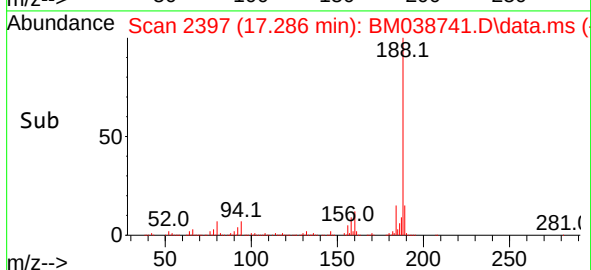
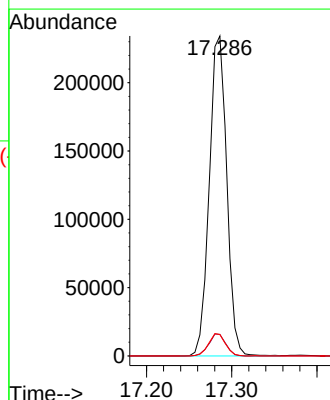
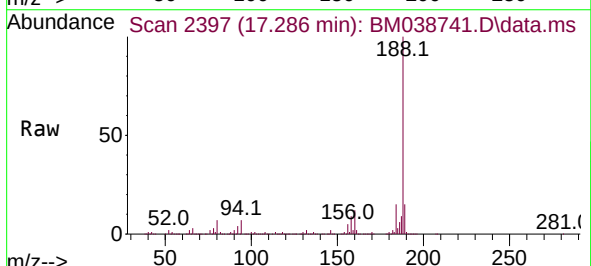
RT: 17.286 min Scan# 2397

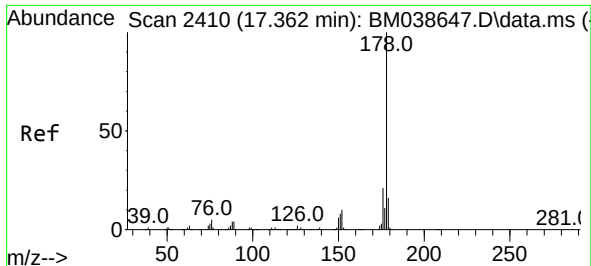
Delta R.T. 0.000 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

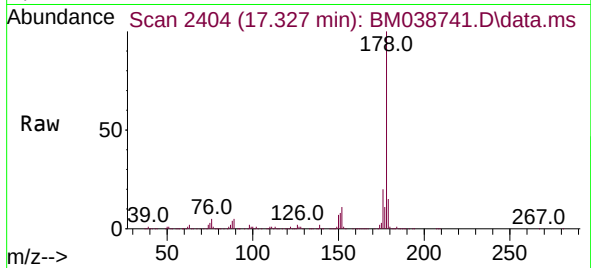
Tgt Ion:188	Resp: 332788
Ion Ratio	Lower Upper
188	100
94	6.7 4.2 6.4#
80	6.7 4.6 7.0





#71
Phenanthrene
Concen: 25.614 ng
RT: 17.327 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

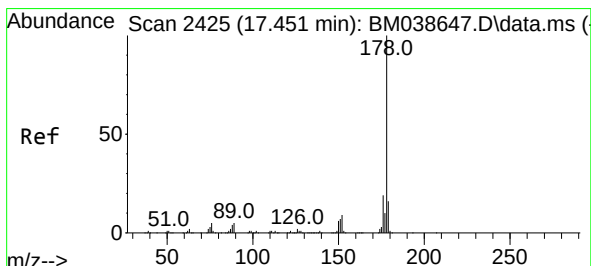
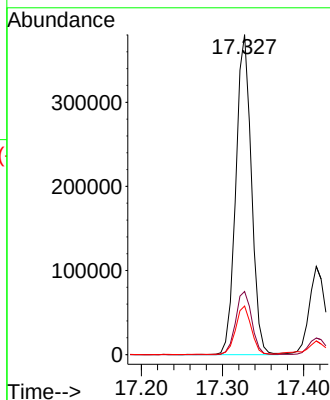
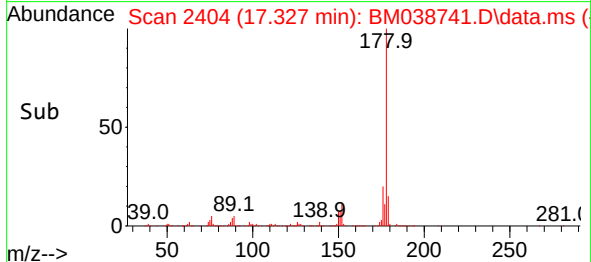
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



Tgt Ion:178 Resp: 506126
Ion Ratio Lower Upper
178 100
176 19.7 16.7 25.1
179 15.2 12.5 18.7

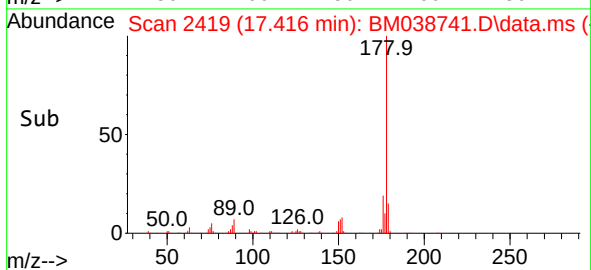
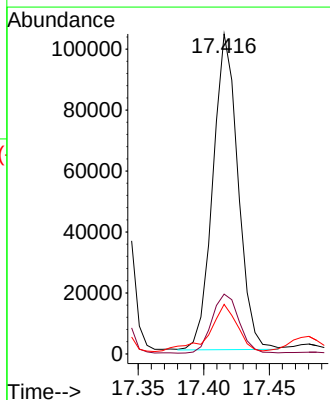
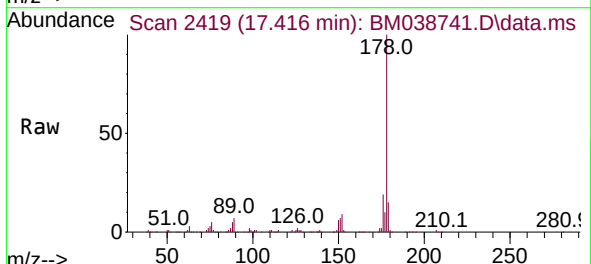
Manual Integrations
APPROVED

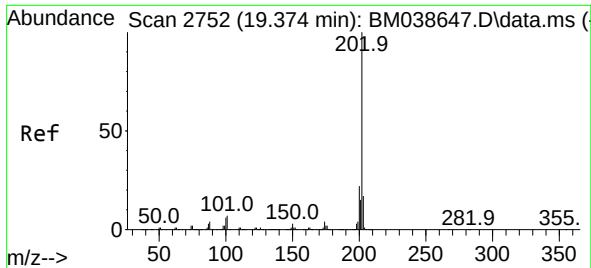
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#72
Anthracene
Concen: 6.848 ng
RT: 17.416 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

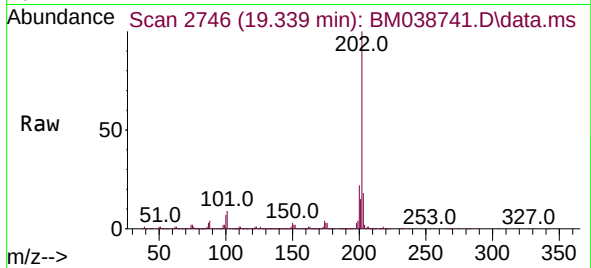
Tgt Ion:178 Resp: 138423
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 30.325 ng
RT: 19.339 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

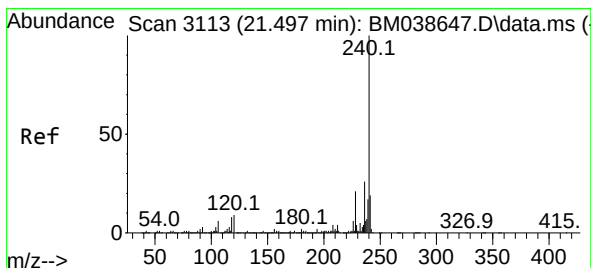
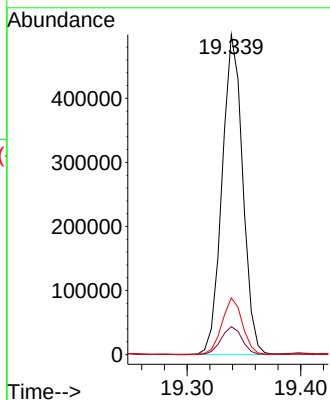
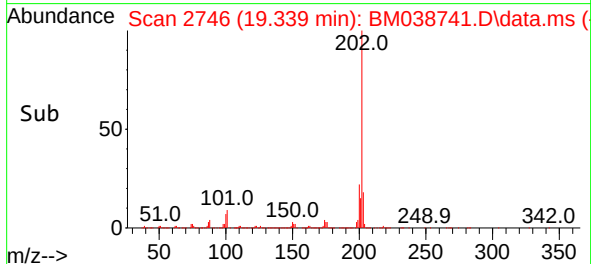
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



Tgt Ion:202 Resp: 629156
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.4
203 17.7 0.0 37.3

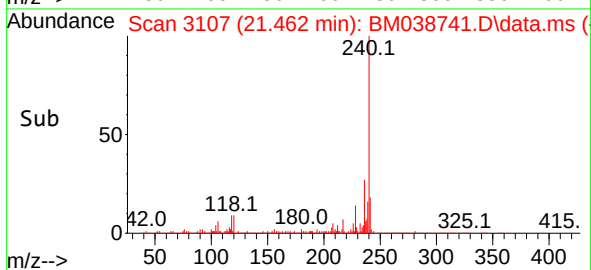
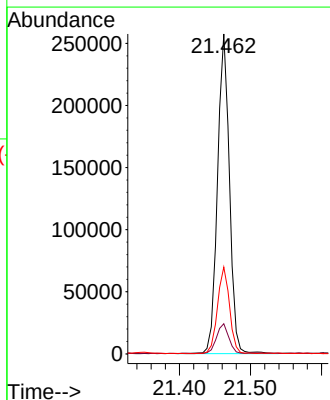
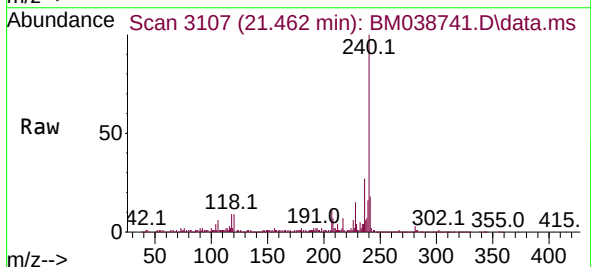
Manual Integrations
APPROVED

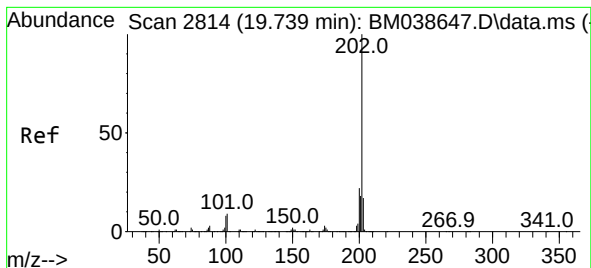
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Tgt Ion:240 Resp: 301034
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.4
236 27.1 20.9 31.3





#78

Pyrene

Concen: 26.357 ng

RT: 19.704 min Scan# 2808

Delta R.T. 0.000 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

Tgt Ion:202 Resp: 610879

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

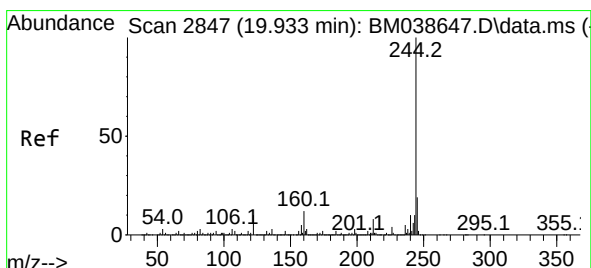
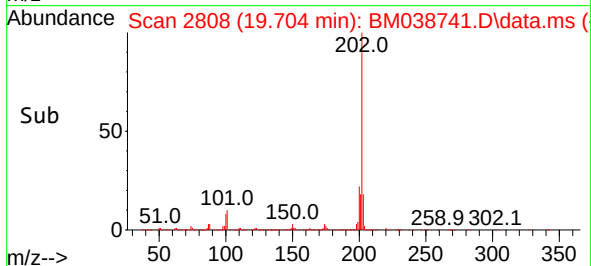
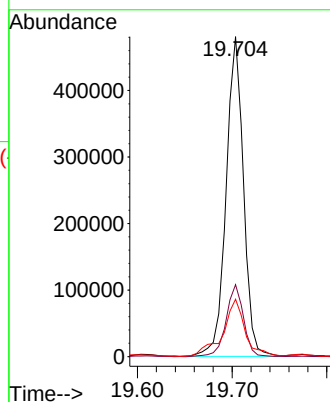
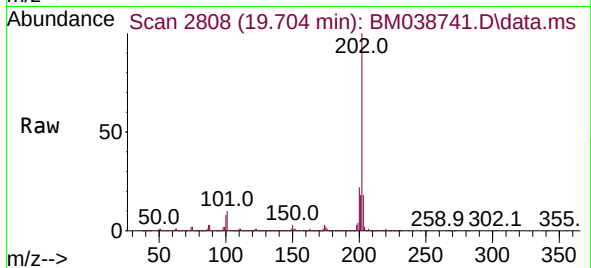
203 17.9 13.5 20.3

Manual Integrations

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Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#79

Terphenyl-d14

Concen: 2.642 ng

RT: 19.898 min Scan# 2841

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

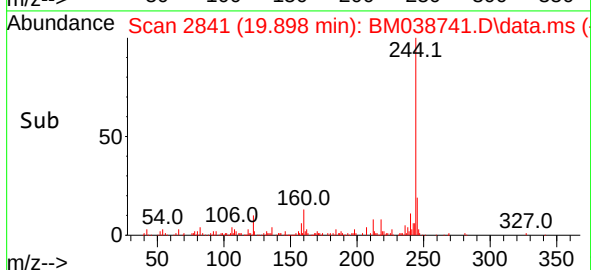
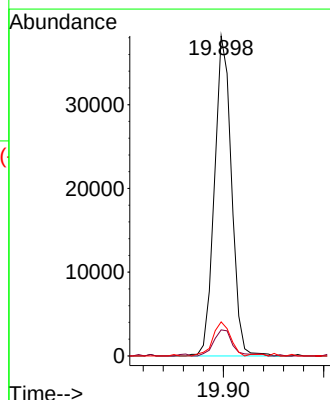
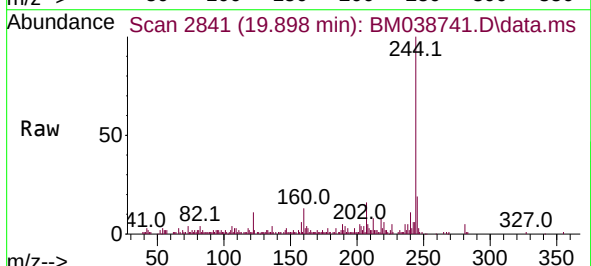
Tgt Ion:244 Resp: 45069

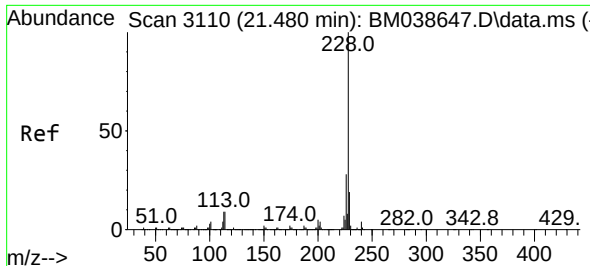
Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

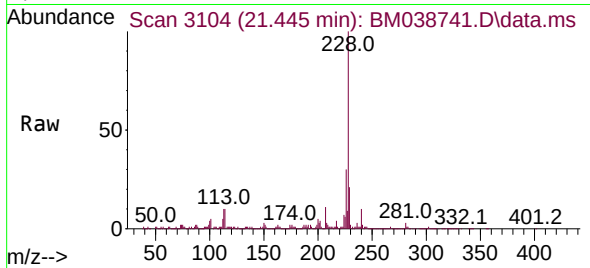
122 10.6 7.8 11.8





#81
Benzo(a)anthracene
Concen: 13.758 ng
RT: 21.445 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

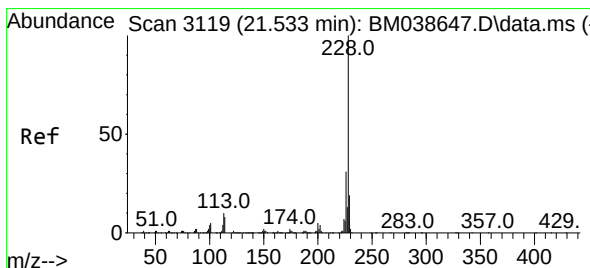
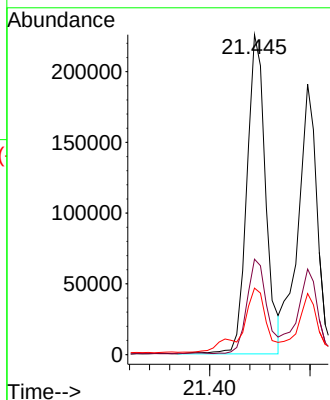
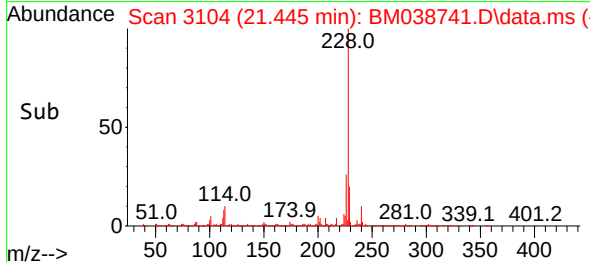
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



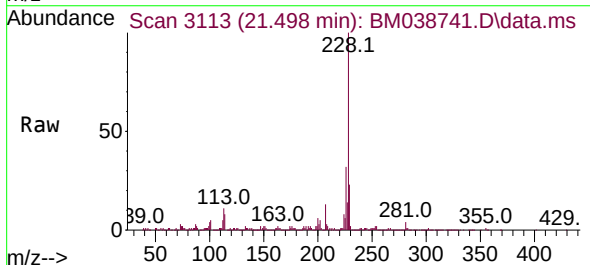
Tgt Ion:228 Resp: 292976
Ion Ratio Lower Upper
228 100
226 29.8 22.2 33.4
229 20.8 15.5 23.3

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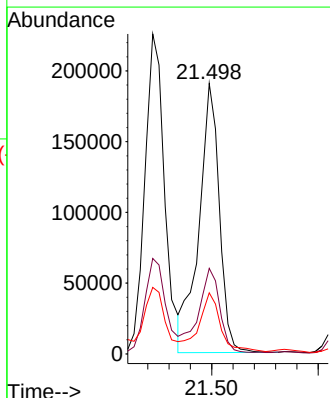
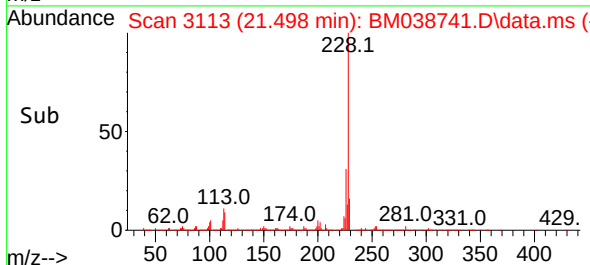
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

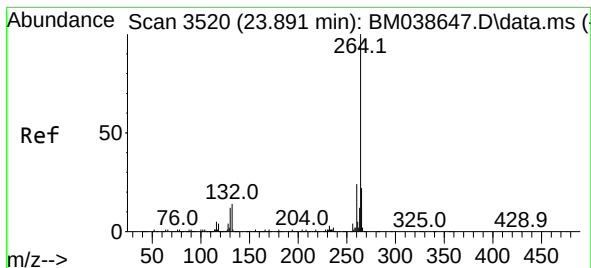


#83
Chrysene
Concen: 12.370 ng
RT: 21.498 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54



Tgt Ion:228 Resp: 253787
Ion Ratio Lower Upper
228 100
226 31.6 24.7 37.1
229 22.6 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.845 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

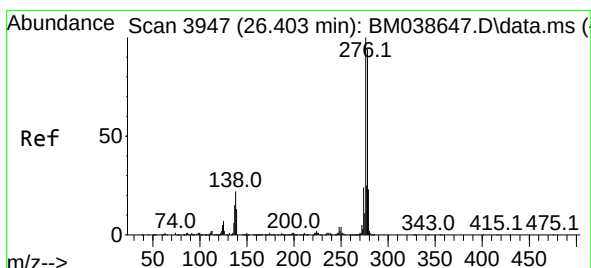
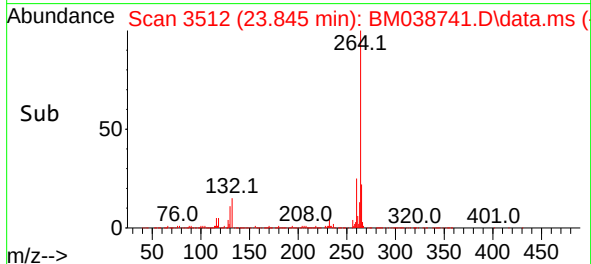
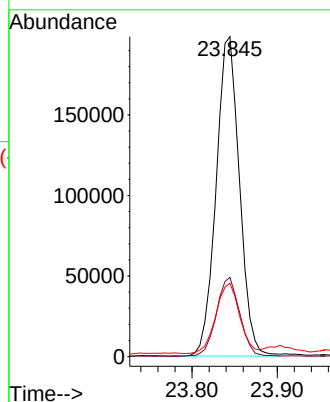
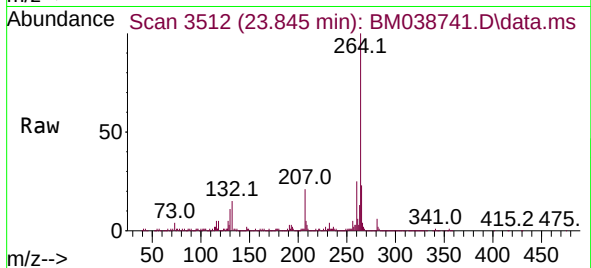
Tgt Ion:264 Resp: 377608

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	22.9	17.9	26.9

Manual Integrations

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Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.087 ng

RT: 26.309 min Scan# 3931

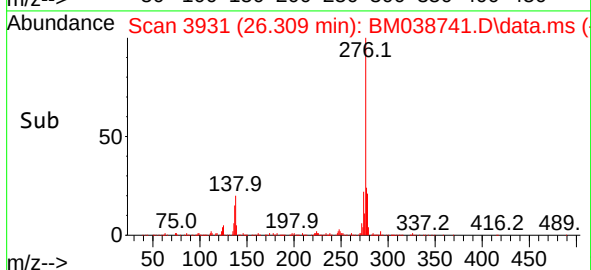
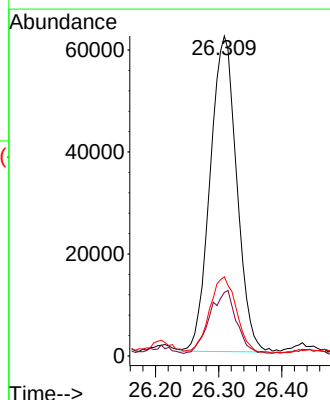
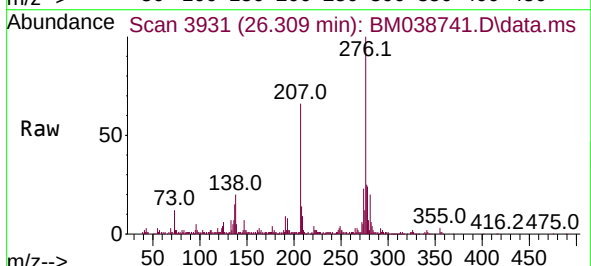
Delta R.T. -0.006 min

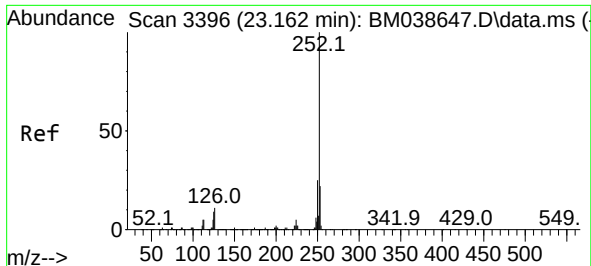
Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Tgt Ion:276 Resp: 181045

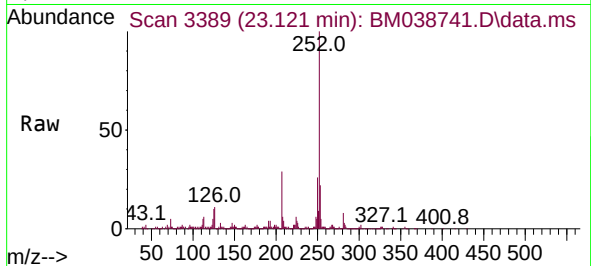
Ion	Ratio	Lower	Upper
276	100		
138	20.4	17.2	25.8
277	24.7	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 15.804 ng
RT: 23.121 min Scan# 3389
Delta R.T. 0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

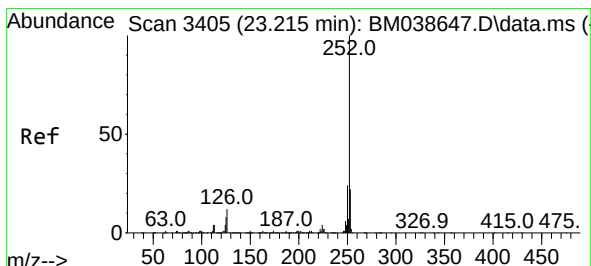
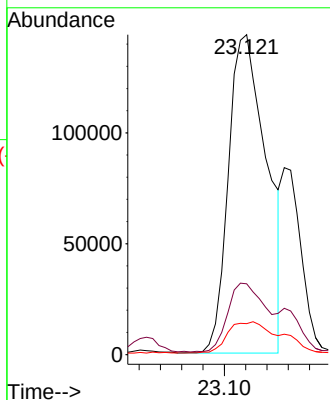
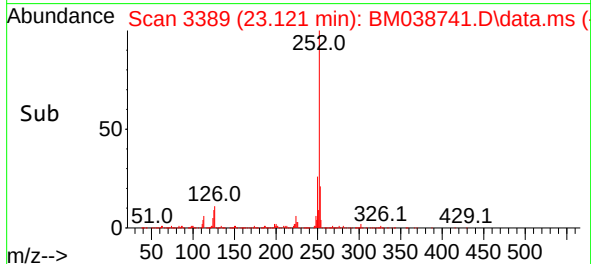
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



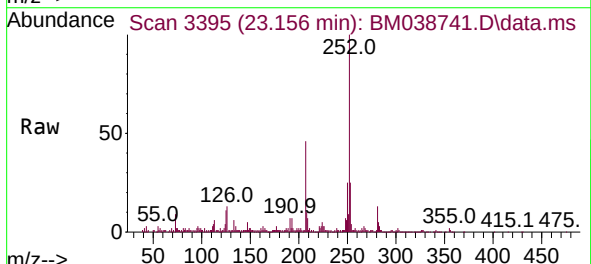
Tgt Ion:252 Resp: 357446
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.7 7.0 10.6

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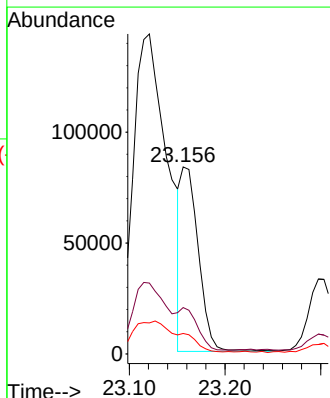
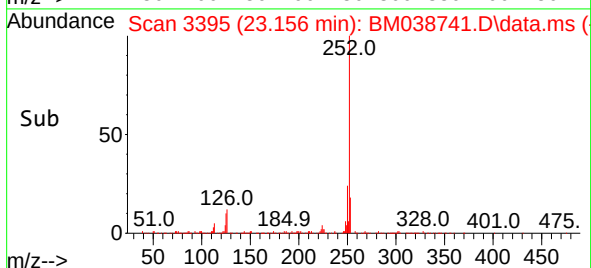
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

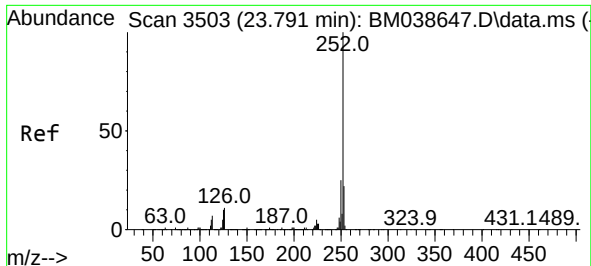


#89
Benzo(k)fluoranthene
Concen: 4.605 ng m
RT: 23.156 min Scan# 3395
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54



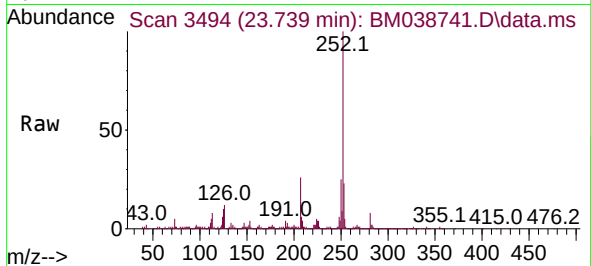
Tgt Ion:252 Resp: 105757
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 10.9 6.6 9.8#





#90
Benzo(a)pyrene
Concen: 12.828 ng
RT: 23.739 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

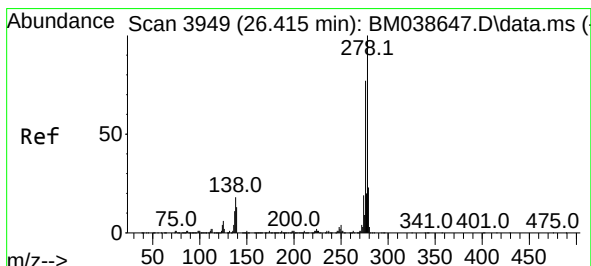
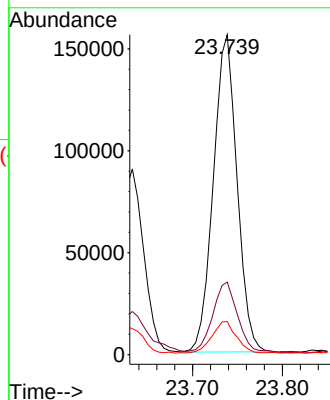
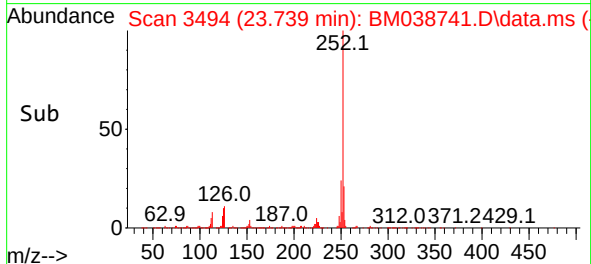
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



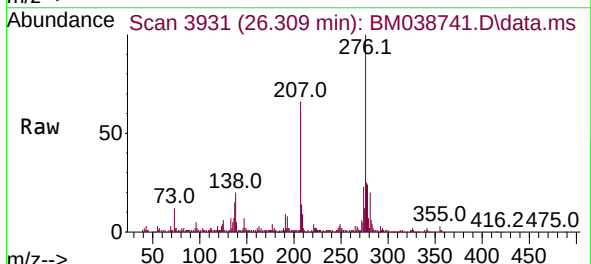
Tgt Ion:252 Resp: 286922
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.3 7.8 11.8

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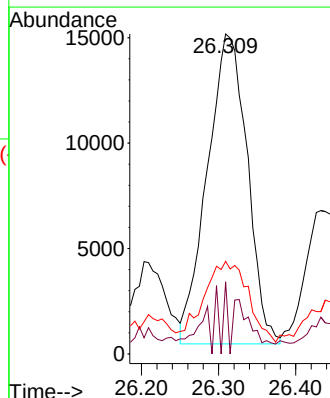
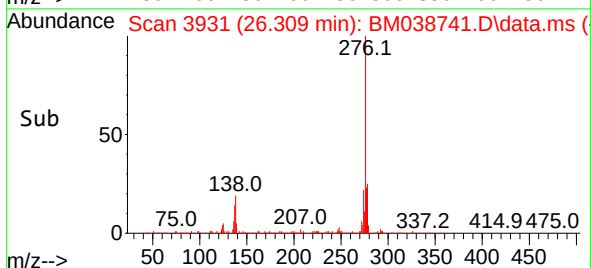
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

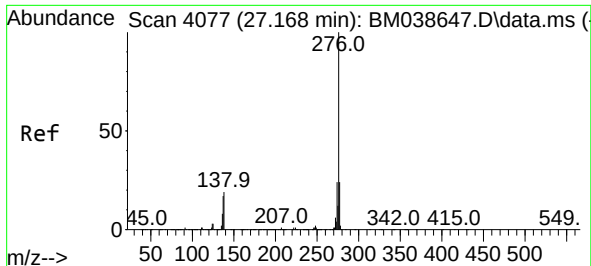


#91
Dibenzo(a,h)anthracene
Concen: 2.114 ng m
RT: 26.309 min Scan# 3931
Delta R.T. -0.017 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54



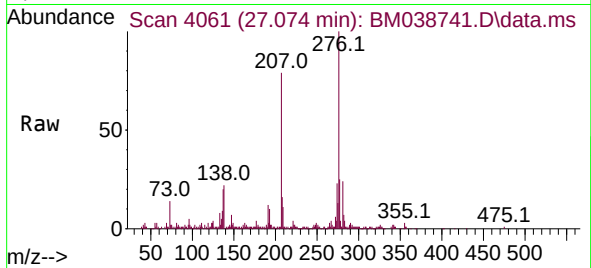
Tgt Ion:278 Resp: 52892
Ion Ratio Lower Upper
278 100
139 22.5 10.5 15.7#
279 28.9 18.7 28.1#





#92
Benzo(g,h,i)perylene
Concen: 7.170 ng
RT: 27.074 min Scan# 40
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL



Tgt Ion:276 Resp: 181372
Ion Ratio Lower Upper
276 100
277 25.4 19.1 28.7
138 22.0 15.3 22.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

