

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
 Data File : BM039747.D
 Acq On : 28 Apr 2023 21:42
 Operator : CG/JU
 Sample : 02417-03
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW8W9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/01/2023
 Supervised By : Jagrut Upadhyay 05/01/2023

Quant Time: Apr 29 02:26:10 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:30:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	4293	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.595	136	16833	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.446	164	10542	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.200	188	22667	0.400	ng/ul	-0.02
17) Chrysene-d12	21.392	240	11978	0.400	ng/ul	-0.02
23) Perylene-d12	23.739	264	10057	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	9434	1.491	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	2956	0.137	ng/ul	-0.03
18) Fluoranthene-d10	19.229	212	6458	0.200	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.644	128	22917	0.542	ng/ul	99
7) 2-Methylnaphthalene	12.267	142	13517	0.554	ng/ul	97
8) 1-Methylnaphthalene	12.481	142	14666	0.560	ng/ul	100
10) Acenaphthylene	14.168	152	33811	0.829	ng/ul	98
11) Acenaphthene	14.506	153	19507	0.609	ng/ul	97
12) Fluorene	15.501	166	36031	1.013	ng/ul	98
15) Phenanthrene	17.238	178	573521	9.604	ng/ul	99
16) Anthracene	17.331	178	144905	2.826	ng/ul	97
19) Fluoranthene	19.262	202	965144	22.586	ng/ul	98
20) Pyrene	19.624	202	791981	17.162	ng/ul	100
21) Benzo(a)anthracene	21.375	228	350404	10.175	ng/ul	99
22) Chrysene	21.427	228	339710	8.716	ng/ul	99
24) Benzo(b)fluoranthene	23.026	252	349647	9.900	ng/ul	92
25) Benzo(k)fluoranthene	23.067	252	132457m	3.683	ng/ul	
26) Benzo(a)pyrene	23.634	252	234573	7.397	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.156	276	165425	4.126	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.162	278	40536	1.302	ng/ul	99
29) Benzo(g,h,i)perylene	26.903	276	158133	4.526	ng/ul	97

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

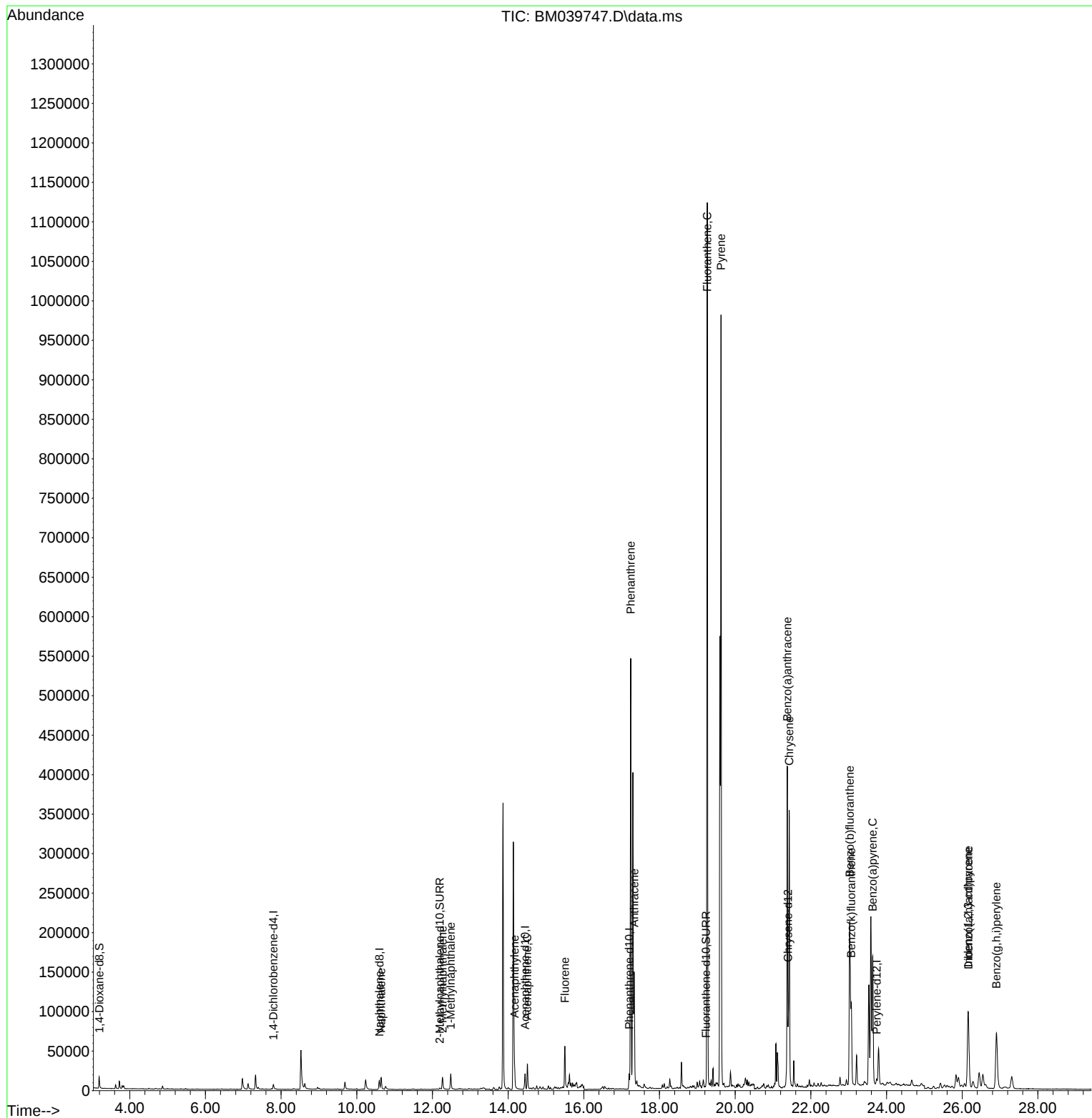
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
Data File : BM039747.D
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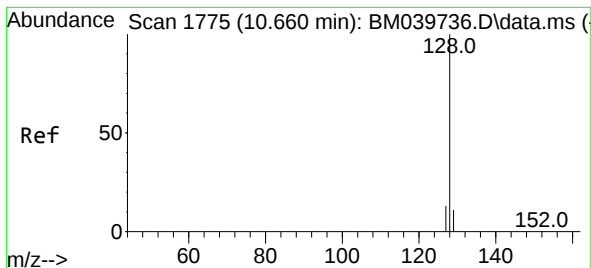
Instrument :
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Quant Time: Apr 29 02:26:10 2023
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#5

Naphthalene

Concen: 0.542 ng/ul

RT: 10.644 min Scan# 1772

Delta R.T. -0.017 min

Lab File: BM039747.D

Acq: 28 Apr 2023 21:42

Instrument :

BNA_M

ClientSampleId :

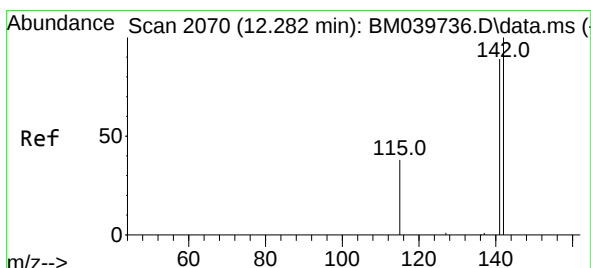
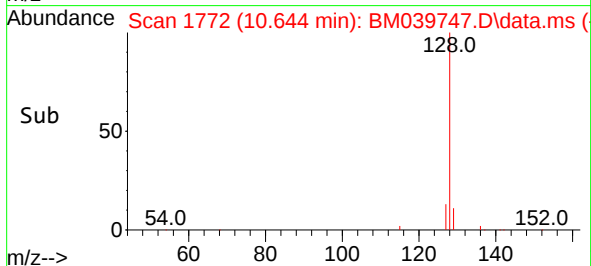
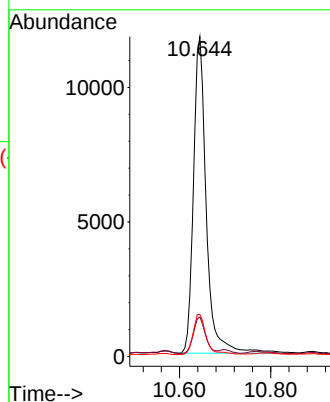
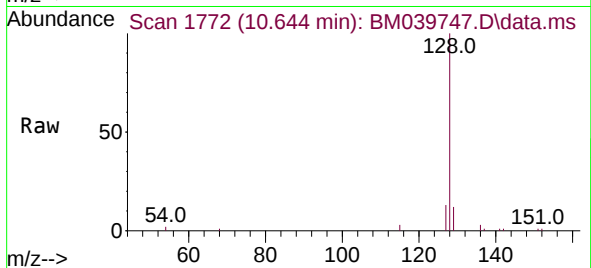
EW8W9

Tgt Ion:128	Resp:	22917
Ion Ratio	Lower	Upper
128	100	
129	12.3	9.8 14.6
127	13.2	11.1 16.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/01/2023



#7

2-Methylnaphthalene

Concen: 0.554 ng/ul

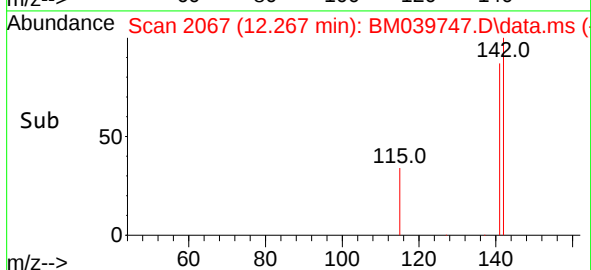
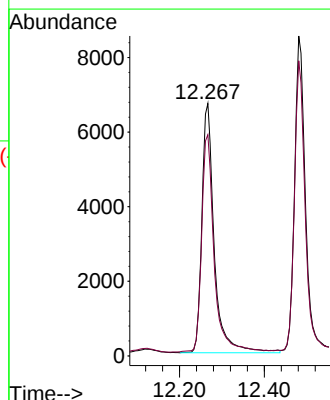
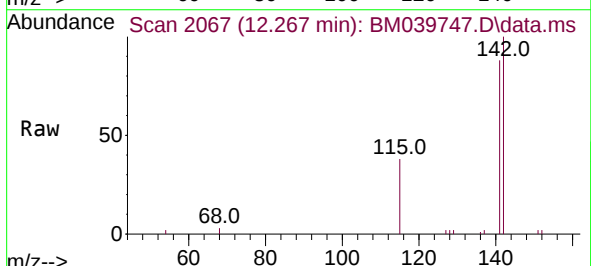
RT: 12.267 min Scan# 2067

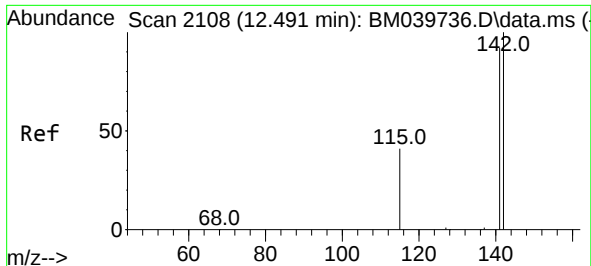
Delta R.T. -0.022 min

Lab File: BM039747.D

Acq: 28 Apr 2023 21:42

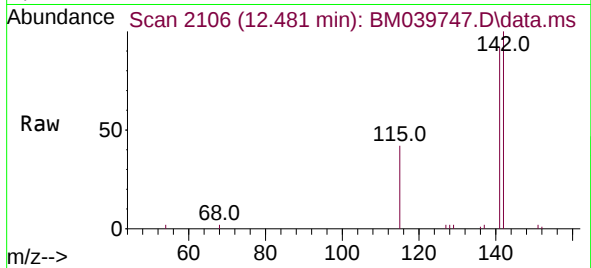
Tgt Ion:142	Resp:	13517
Ion Ratio	Lower	Upper
142	100	
141	88.7	73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.560 ng/ul
RT: 12.481 min Scan# 2108
Delta R.T. -0.017 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

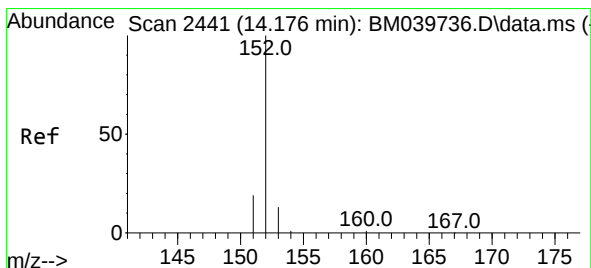
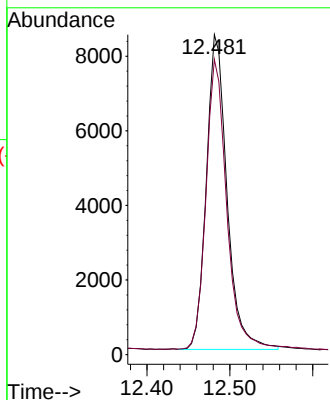
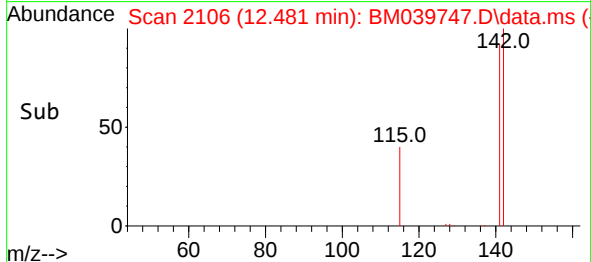
Instrument :
BNA_M
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Tgt Ion:142 Resp: 1466
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2

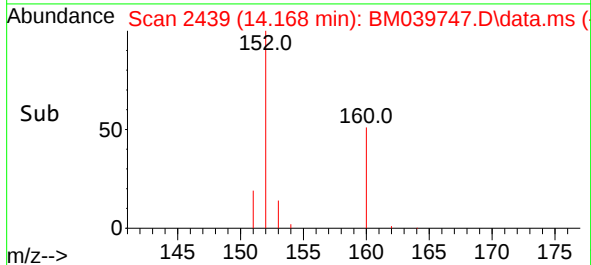
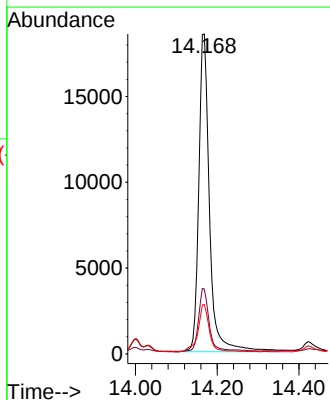
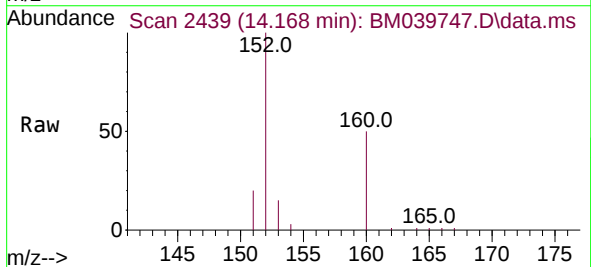
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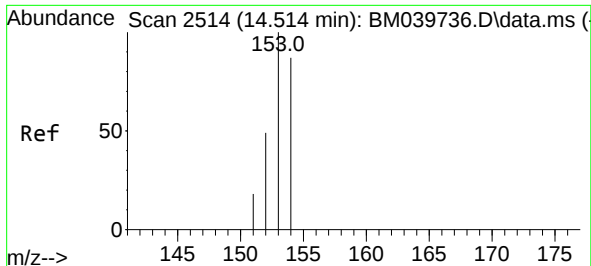
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#10
Acenaphthylene
Concen: 0.829 ng/ul
RT: 14.168 min Scan# 2439
Delta R.T. -0.014 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

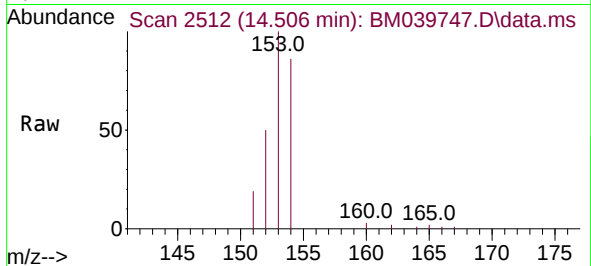
Tgt Ion:152 Resp: 33811
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 15.4 11.2 16.8





#11
Acenaphthene
Concen: 0.609 ng/ul
RT: 14.506 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

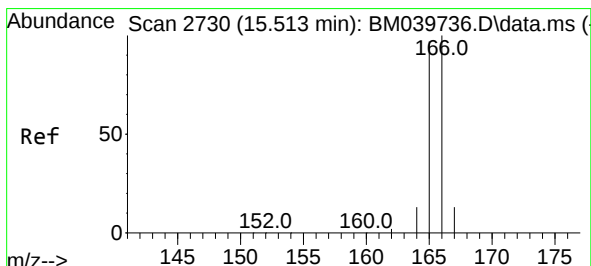
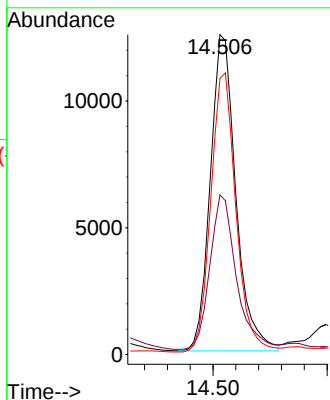
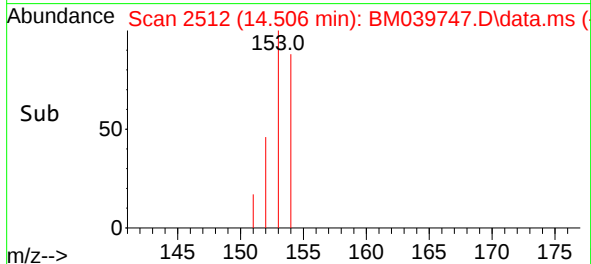
Instrument :
BNA_M
ClientSampleId :
EW8W9



Tgt Ion:153 Resp: 19507
Ion Ratio Lower Upper
153 100
152 49.9 40.6 61.0
154 86.3 71.9 107.9

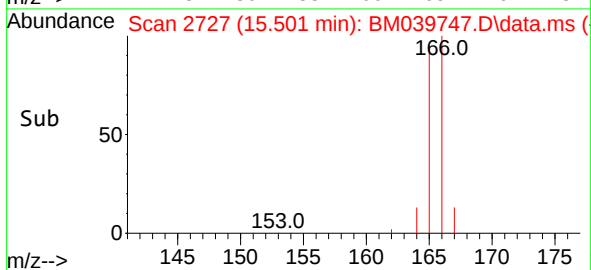
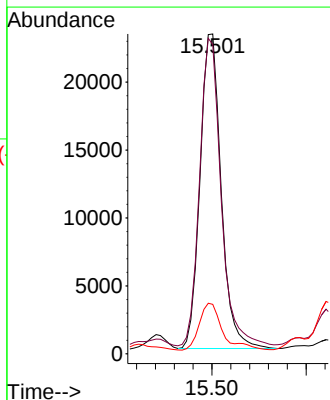
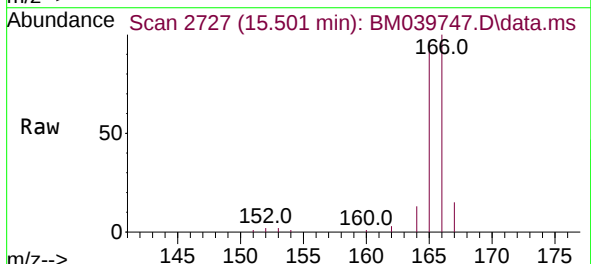
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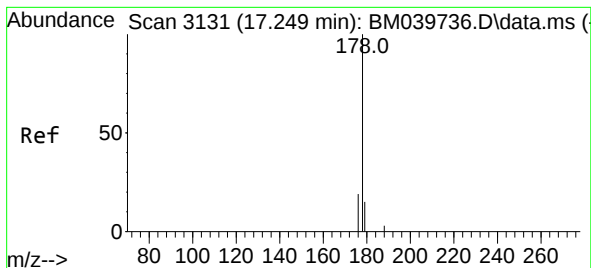
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#12
Fluorene
Concen: 1.013 ng/ul
RT: 15.501 min Scan# 2727
Delta R.T. -0.019 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

Tgt Ion:166 Resp: 36031
Ion Ratio Lower Upper
166 100
165 96.6 79.0 118.6
167 15.5 11.8 17.6





#15

Phenanthrene

Concen: 9.604 ng/ul

RT: 17.238 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM039747.D

Acq: 28 Apr 2023 21:42

Instrument :

BNA_M

ClientSampleId :

EW8W9

Tgt Ion:178 Resp: 57352

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.6

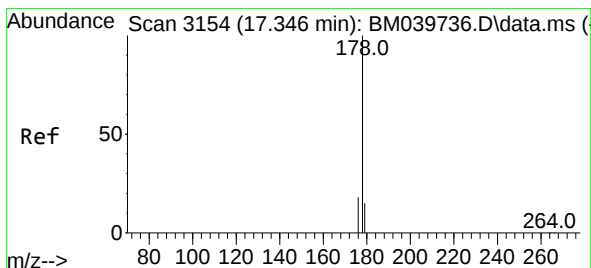
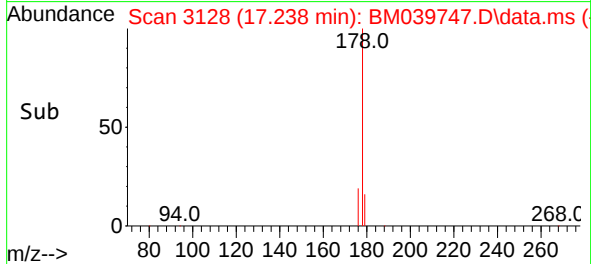
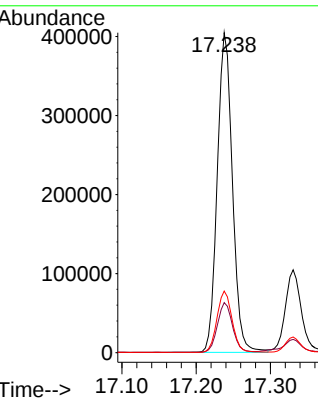
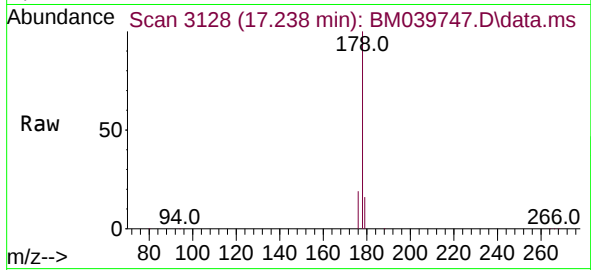
176 19.2 15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/01/2023

Supervised By :Jagrut Upadhyay 05/01/2023



#16

Anthracene

Concen: 2.826 ng/ul

RT: 17.331 min Scan# 3150

Delta R.T. -0.025 min

Lab File: BM039747.D

Acq: 28 Apr 2023 21:42

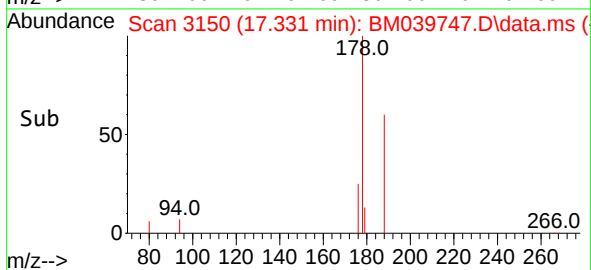
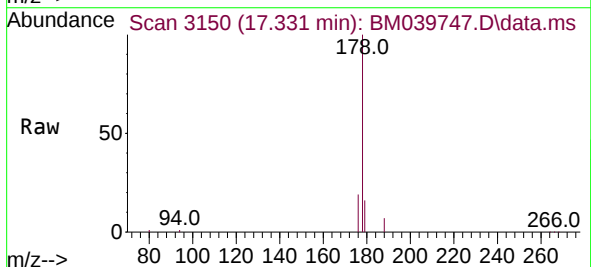
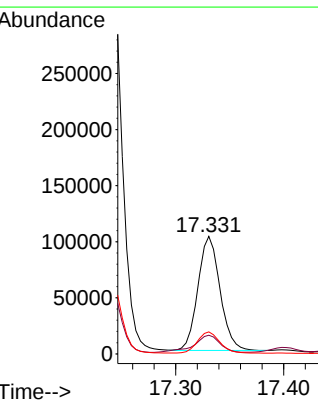
Tgt Ion:178 Resp: 144905

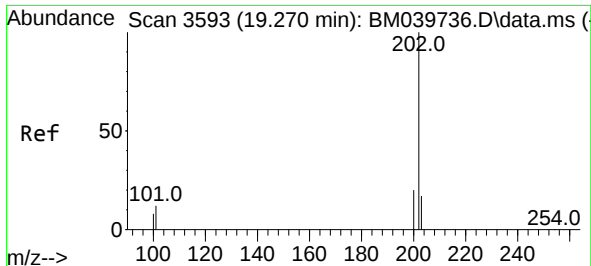
Ion Ratio Lower Upper

178 100

179 15.9 13.8 20.6

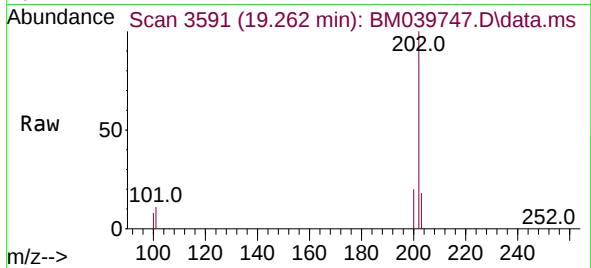
176 18.8 15.8 23.8





#19
Fluoranthene
Concen: 22.586 ng/ul
RT: 19.262 min Scan# 3591
Delta R.T. -0.014 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

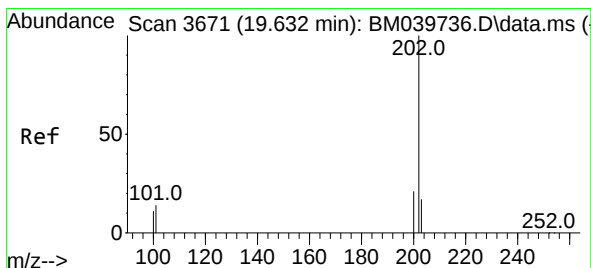
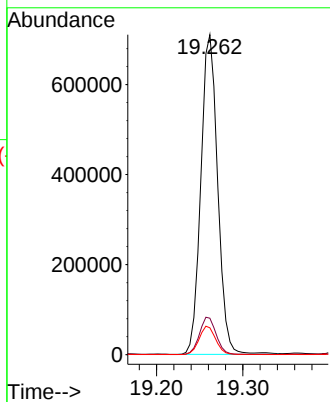
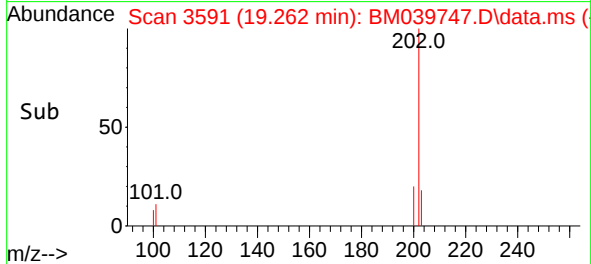
Instrument :
BNA_M
ClientSampleId :
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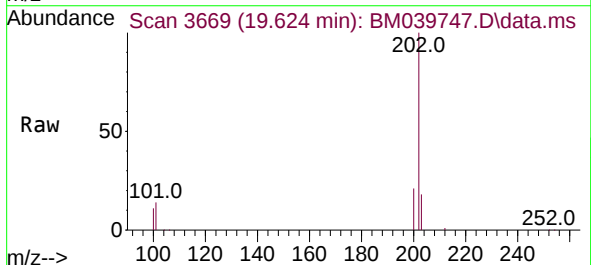
Tgt Ion:202 Resp: 965144
Ion Ratio Lower Upper
202 100
101 11.4 9.8 14.8
100 8.4 7.3 10.9

Manual Integrations
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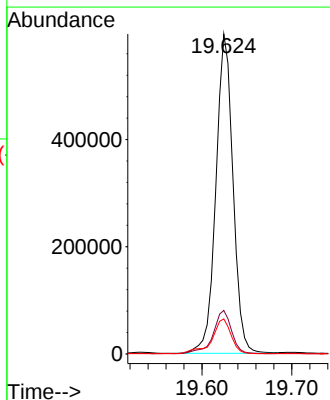
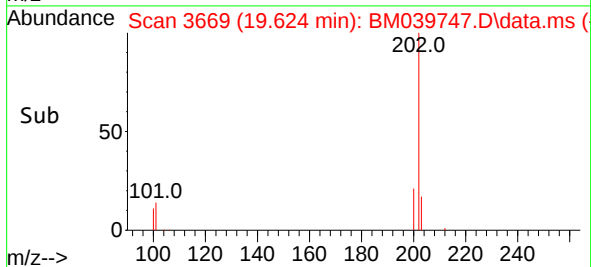
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

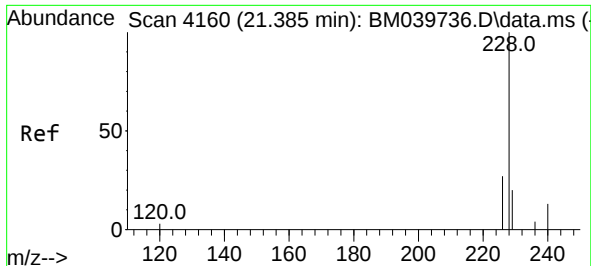


#20
Pyrene
Concen: 17.162 ng/ul
RT: 19.624 min Scan# 3669
Delta R.T. -0.019 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42



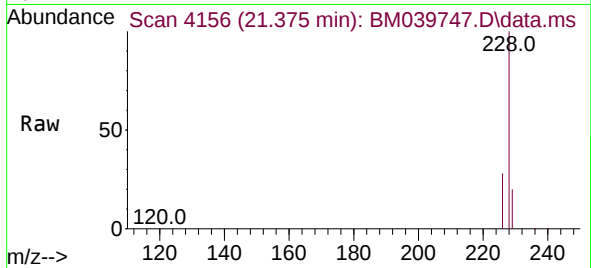
Tgt Ion:202 Resp: 791981
Ion Ratio Lower Upper
202 100
101 13.6 10.9 16.3
100 10.9 8.9 13.3





#21
Benzo(a)anthracene
Concen: 10.175 ng/ul
RT: 21.375 min Scan# 4160
Delta R.T. -0.022 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

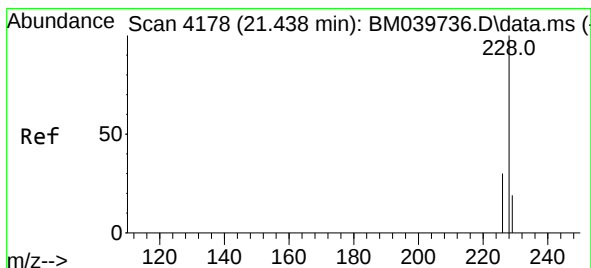
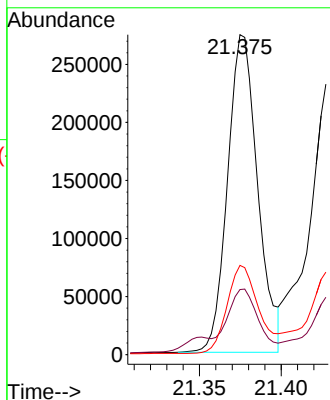
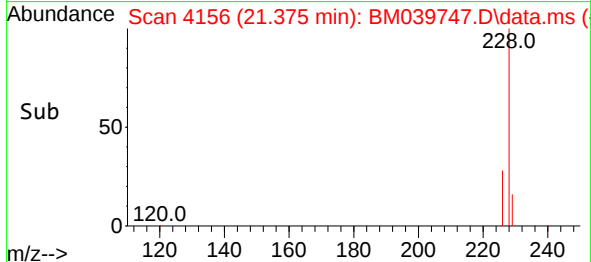
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Tgt Ion:228 Resp: 350404
Ion Ratio Lower Upper
228 100
229 20.3 16.2 24.2
226 27.9 21.6 32.4

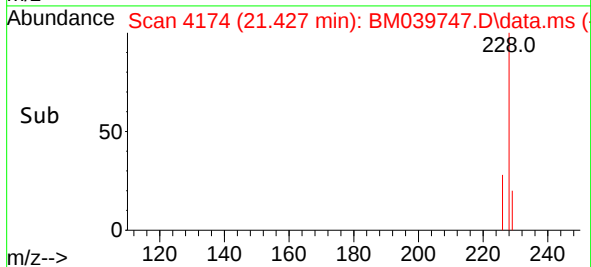
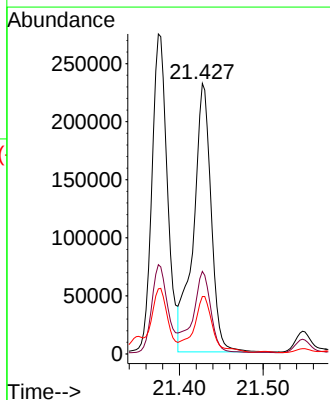
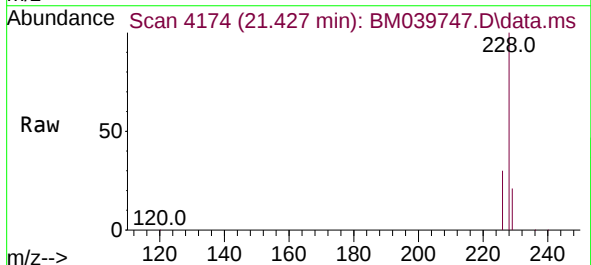
Manual Integrations
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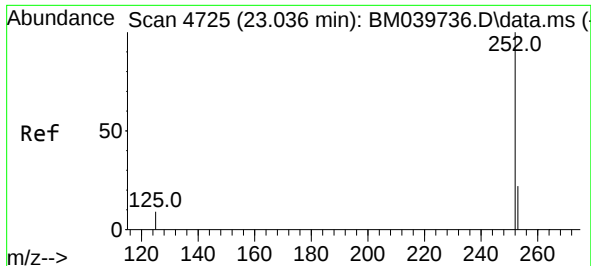
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#22
Chrysene
Concen: 8.716 ng/ul
RT: 21.427 min Scan# 4174
Delta R.T. -0.019 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

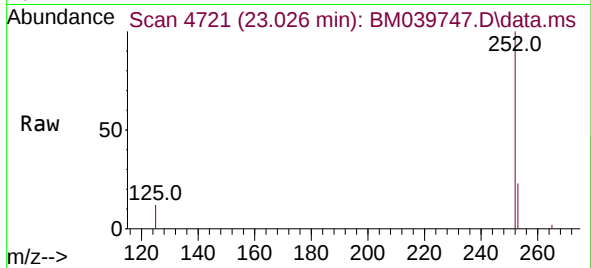
Tgt Ion:228 Resp: 339710
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.2 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 9.900 ng/ul
RT: 23.026 min Scan# 4721
Delta R.T. -0.019 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

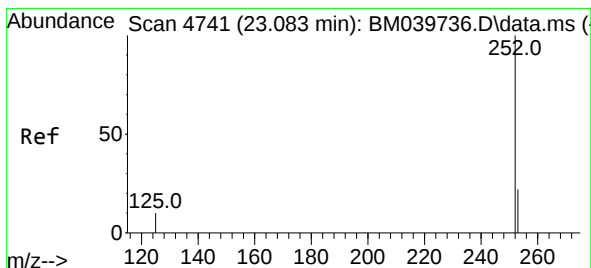
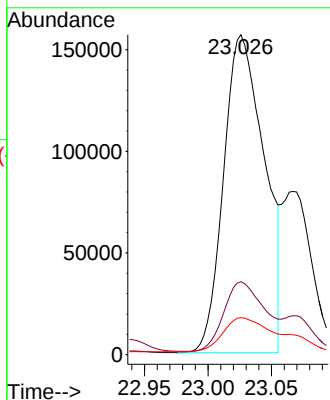
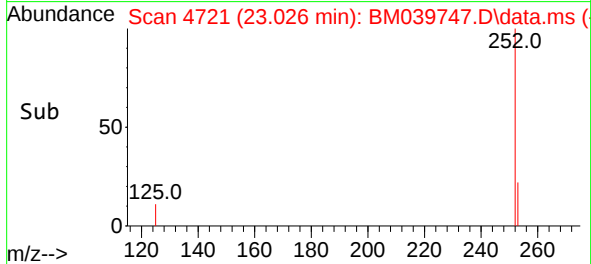
Instrument :
BNA_M
ClientSampleId :
EW8W9



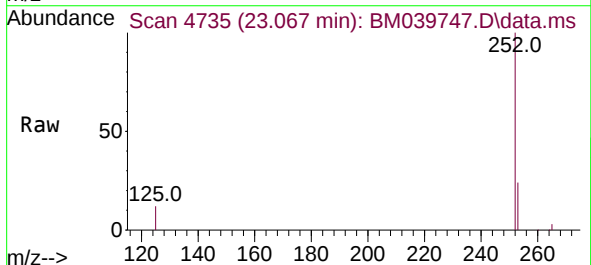
Tgt Ion:252 Resp: 34964
Ion Ratio Lower Upper
252 100
253 22.8 0.0 52.8
125 11.5 0.0 31.6

Manual Integrations
APPROVED

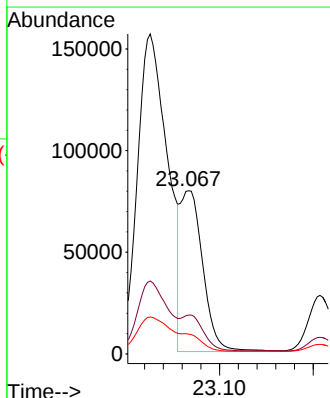
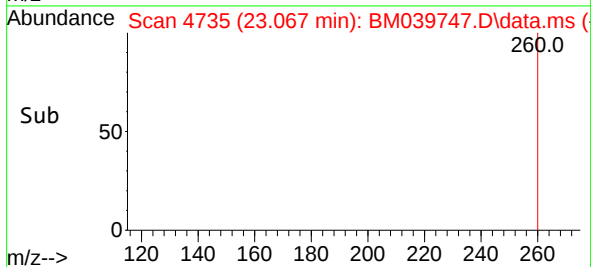
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

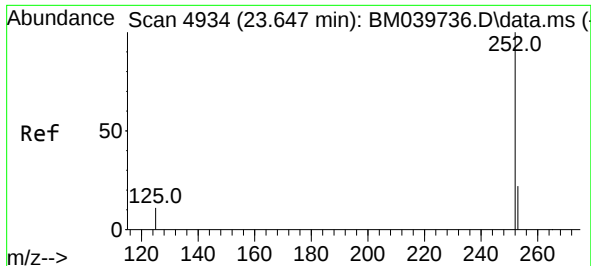


#25
Benzo(k)fluoranthene
Concen: 3.683 ng/ul m
RT: 23.067 min Scan# 4735
Delta R.T. -0.028 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42



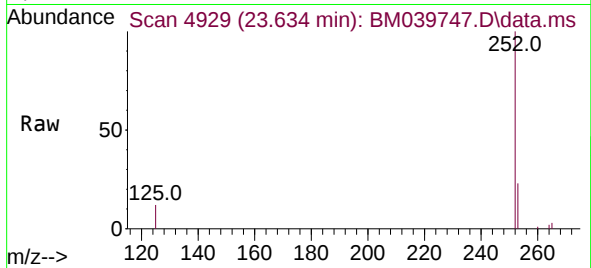
Tgt Ion:252 Resp: 132457
Ion Ratio Lower Upper
252 100
253 23.8 21.3 31.9
125 12.1 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 7.397 ng/ul
RT: 23.634 min Scan# 4934
Delta R.T. -0.030 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

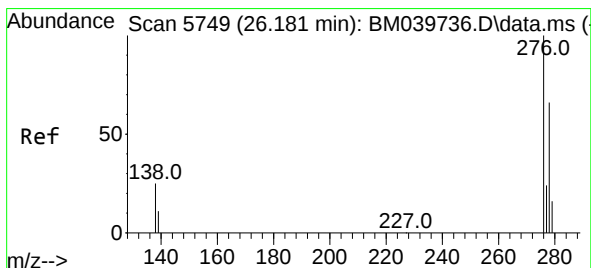
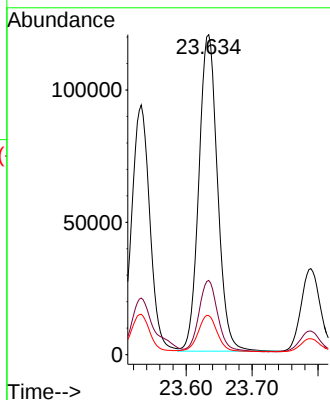
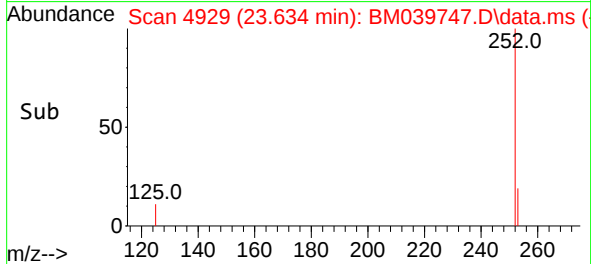
Instrument :
BNA_M
ClientSampleId :
EW8W9



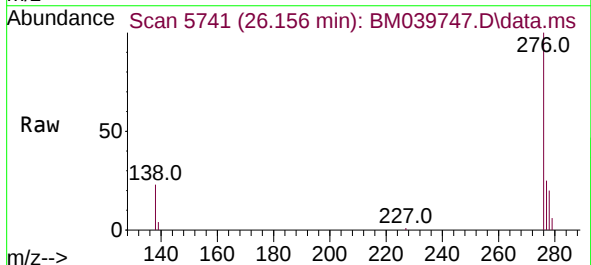
Tgt Ion:252 Resp: 234573
Ion Ratio Lower Upper
252 100
253 23.2 24.7 37.1
125 12.2 16.5 24.7

Manual Integrations
APPROVED

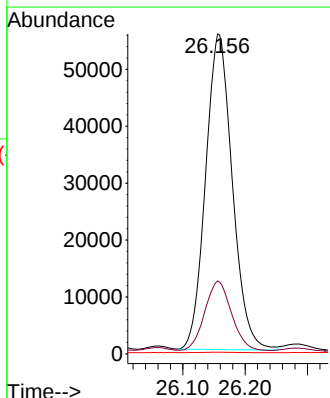
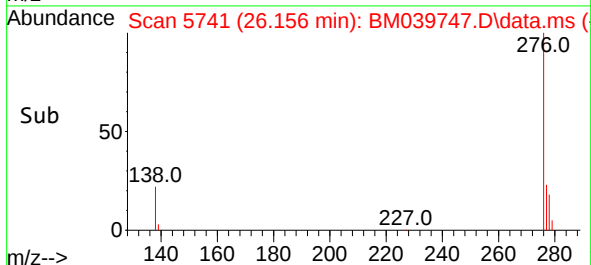
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

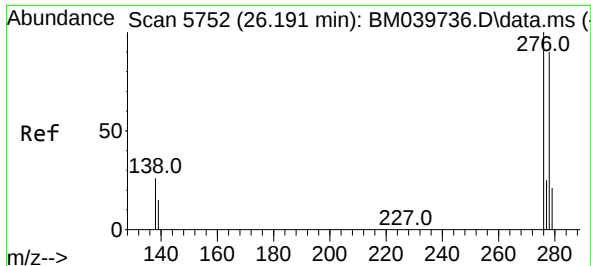


#27
Indeno(1,2,3-cd)pyrene
Concen: 4.126 ng/ul
RT: 26.156 min Scan# 5741
Delta R.T. -0.045 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42



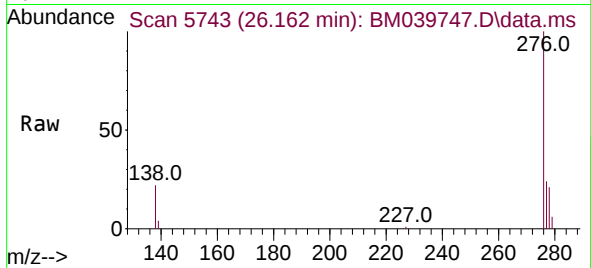
Tgt Ion:276 Resp: 165425
Ion Ratio Lower Upper
276 100
138 22.2 21.1 31.7
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.302 ng/ul
RT: 26.162 min Scan# 51
Delta R.T. -0.055 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

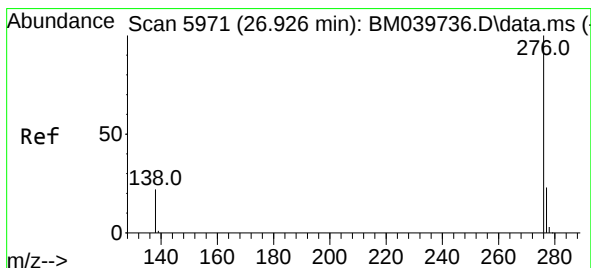
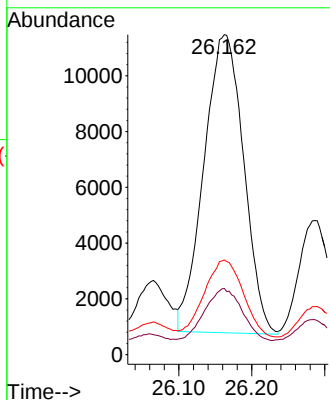
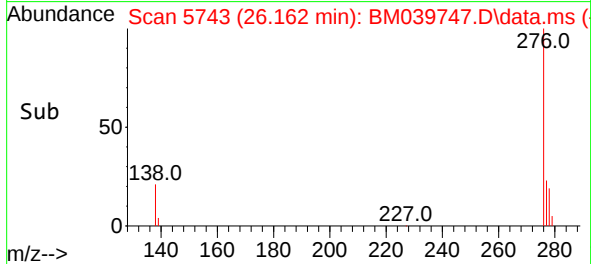
Instrument :
BNA_M
ClientSampleId :
EW8W9



Tgt Ion:278 Resp: 40536
Ion Ratio Lower Upper
278 100
139 20.7 17.0 25.6
279 29.6 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#29
Benzo(g,h,i)perylene
Concen: 4.526 ng/ul
RT: 26.903 min Scan# 5964
Delta R.T. -0.045 min
Lab File: BM039747.D
Acq: 28 Apr 2023 21:42

Tgt Ion:276 Resp: 158133
Ion Ratio Lower Upper
276 100
138 23.6 20.1 30.1
277 23.9 20.1 30.1

