

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039820.D
 Acq On : 03 May 2023 02:32
 Operator : CG/JU
 Sample : 02419-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW918

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 03 05:21:55 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 : Tue May 02 18:41:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	4325	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.590	136	14047	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.446	164	6978	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	12711	0.400	ng/ul	0.00
17) Chrysene-d12	21.411	240	6387	0.400	ng/ul	# 0.00
23) Perylene-d12	23.770	264	12572	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	16287	2.555	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.185	152	4190	0.233	ng/ul	-0.02
18) Fluoranthene-d10	19.244	212	5716	0.333	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.639	128	74897	2.123	ng/ul	98
7) 2-Methylnaphthalene	12.262	142	33960	1.668	ng/ul	97
8) 1-Methylnaphthalene	12.482	142	33630	1.540	ng/ul	100
10) Acenaphthylene	14.169	152	174590	6.464	ng/ul	99
11) Acenaphthene	14.507	153	140783	6.636	ng/ul	98
12) Fluorene	15.501	166	156464	6.647	ng/ul	98
14) Pentachlorophenol	16.879	266	212	0.077	ng/ul	93
15) Phenanthrene	17.247	178	2472778	73.841	ng/ul	99
16) Anthracene	17.335	178	544023	18.920	ng/ul	97
19) Fluoranthene	19.276	202	4216796	185.059	ng/ul	97
20) Pyrene	19.643	202	3541503	143.923	ng/ul	98
21) Benzo(a)anthracene	21.391	228	2048770	111.567	ng/ul	97
22) Chrysene	21.446	228	1900603	91.456	ng/ul	96
24) Benzo(b)fluoranthene	23.060	252	2889113	65.436	ng/ul	93
25) Benzo(k)fluoranthene	23.098	252	893976m	19.885	ng/ul	
26) Benzo(a)pyrene	23.674	252	1915119	48.312	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.228	276	1516272	30.250	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.225	278	410594	10.554	ng/ul	97
29) Benzo(g,h,i)perylene	26.983	276	1270752	29.095	ng/ul	97

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

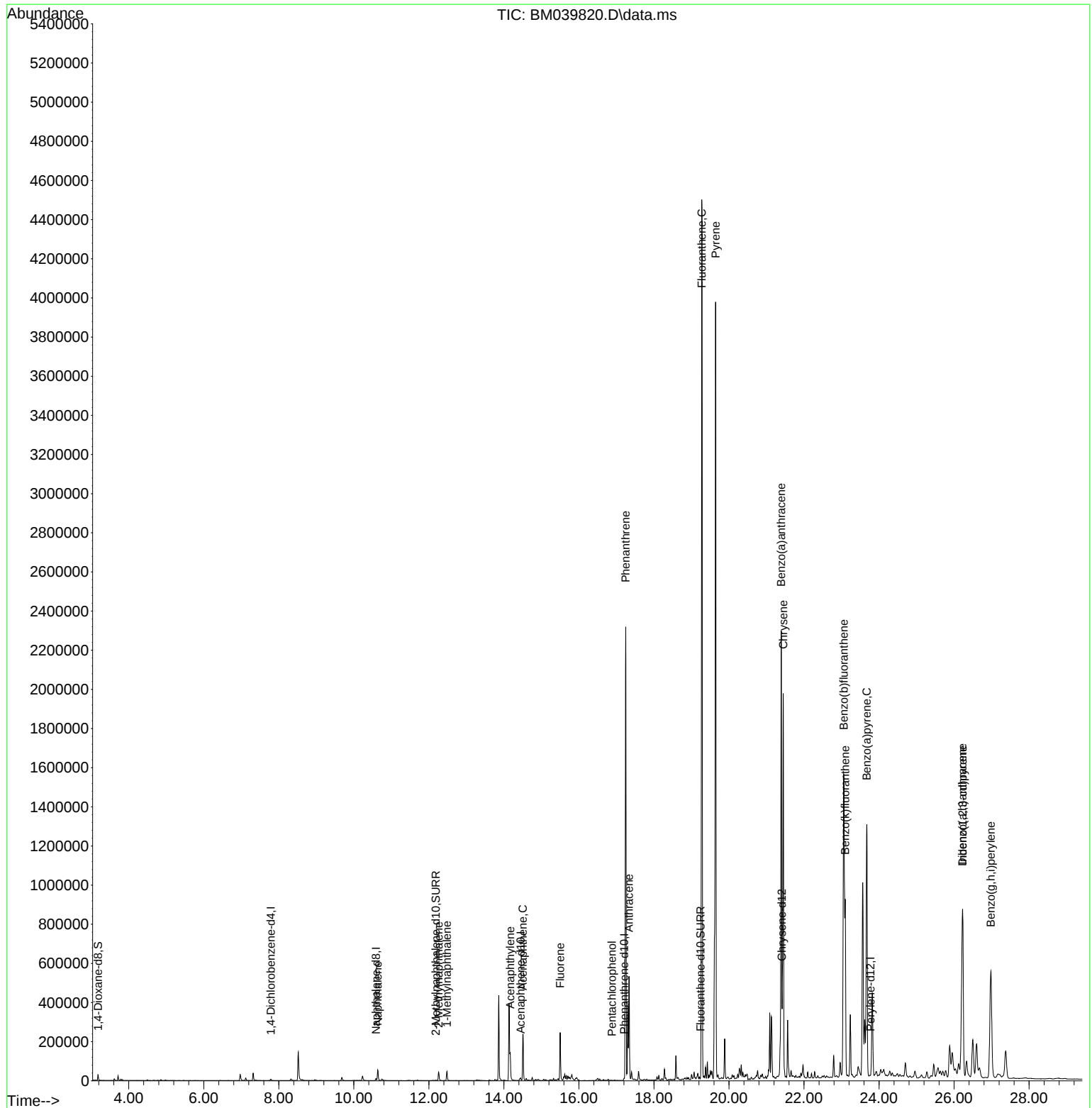
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
Data File : BM039820.D
Acq On : 03 May 2023 02:32
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ALS Vial : 23 Sample Multiplier: 1

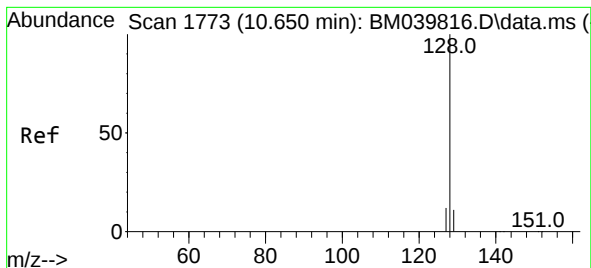
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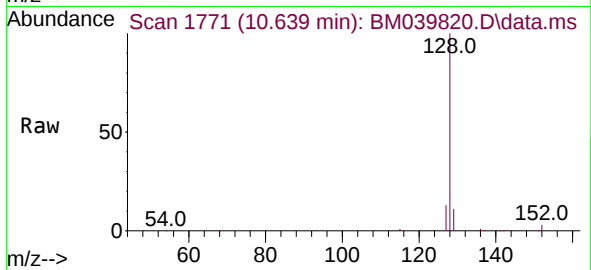
Quant Time: May 03 05:21:55 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 02 18:41:11 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 2.123 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.011 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

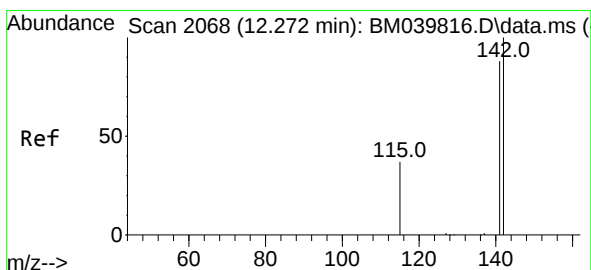
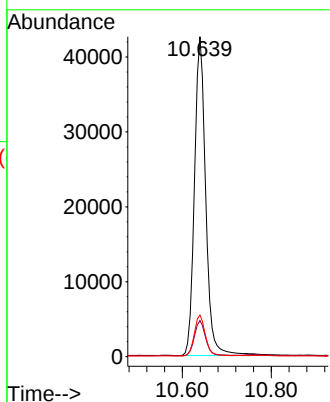
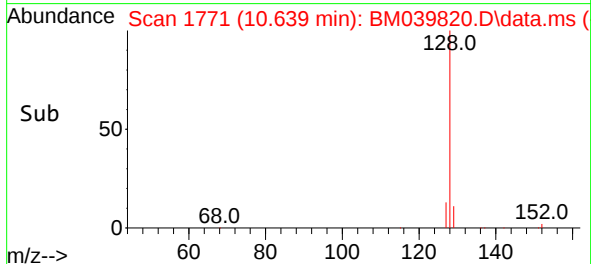
Instrument :
BNA_M
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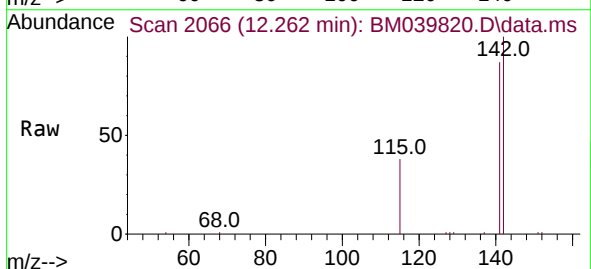
Tgt Ion:128 Resp: 7489
Ion Ratio Lower Upper
128 100
129 11.3 9.8 14.6
127 13.0 11.1 16.7

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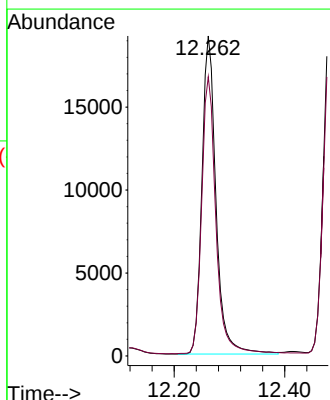
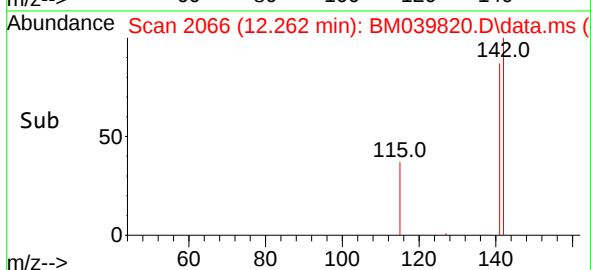
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

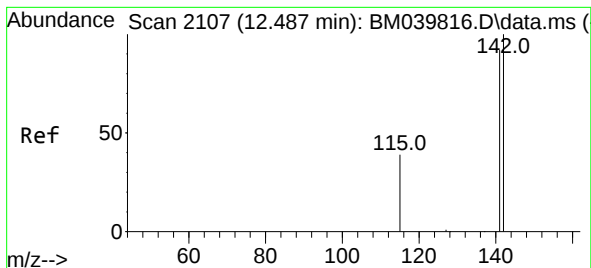


#7
2-Methylnaphthalene
Concen: 1.668 ng/ul
RT: 12.262 min Scan# 2066
Delta R.T. -0.011 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32



Tgt Ion:142 Resp: 33960
Ion Ratio Lower Upper
142 100
141 88.2 73.2 109.8





#8

1-Methylnaphthalene

Concen: 1.540 ng/ul

RT: 12.482 min Scan# 2107

Delta R.T. -0.005 min

Lab File: BM039820.D

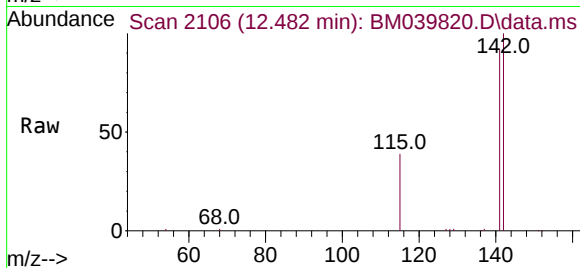
Acq: 03 May 2023 02:32

Instrument :

BNA_M

ClientSampleId :

EW918



Tgt Ion:142 Resp: 33630

Ion Ratio Lower Upper

142 100

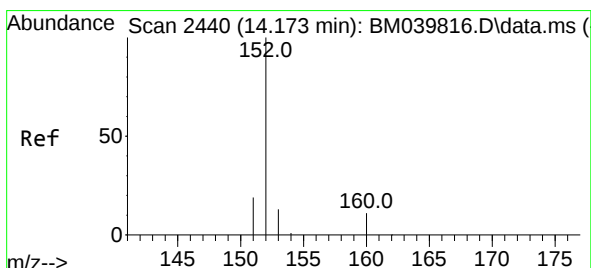
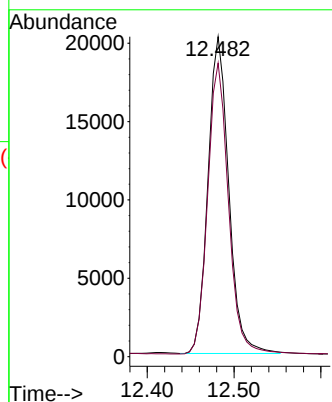
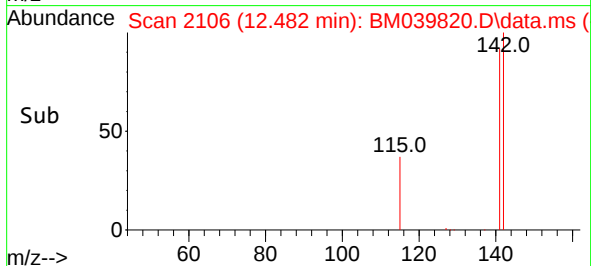
141 91.6 73.4 110.2

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#10

Acenaphthylene

Concen: 6.464 ng/ul

RT: 14.169 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BM039820.D

Acq: 03 May 2023 02:32

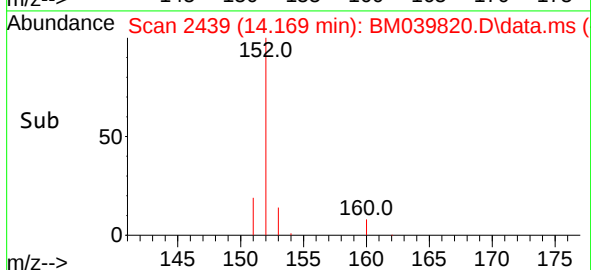
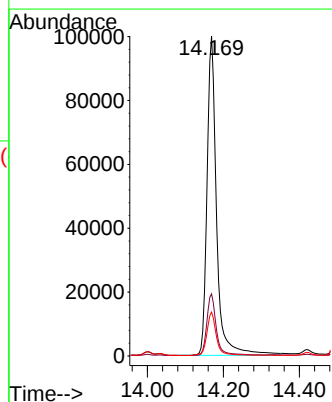
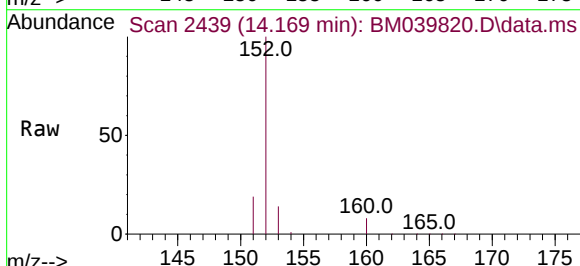
Tgt Ion:152 Resp: 174590

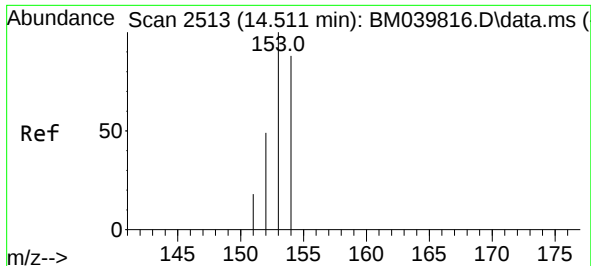
Ion Ratio Lower Upper

152 100

151 19.4 16.0 24.0

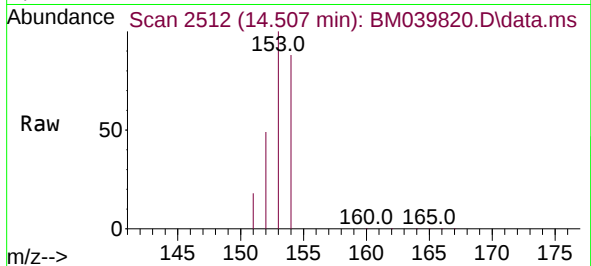
153 13.7 11.2 16.8





#11
Acenaphthene
Concen: 6.636 ng/ul
RT: 14.507 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

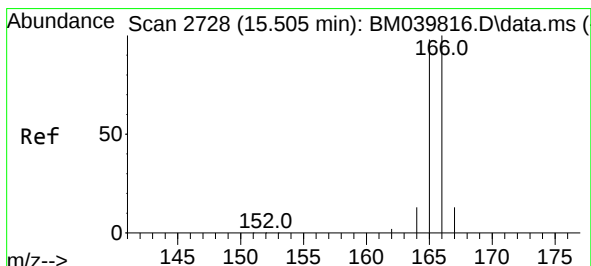
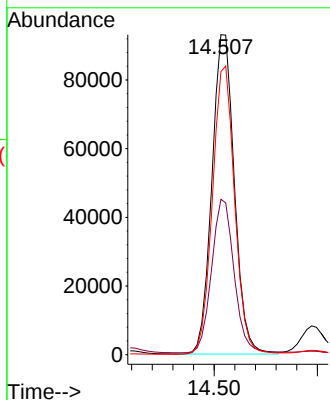
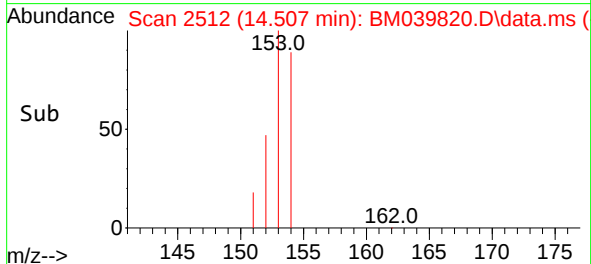
Instrument :
BNA_M
ClientSampleId :
EW918



Tgt Ion:153 Resp: 14078
Ion Ratio Lower Upper
153 100
152 48.6 40.6 61.0
154 88.4 71.9 107.9

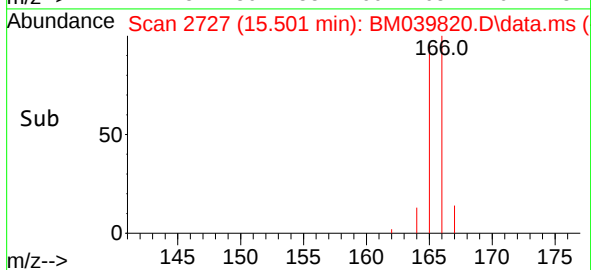
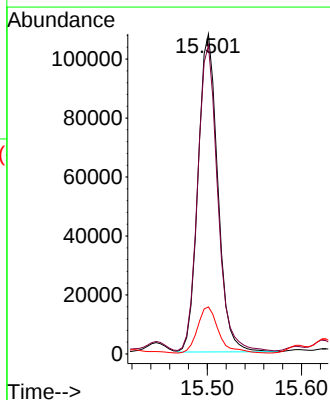
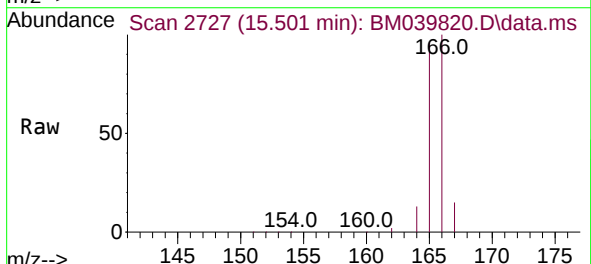
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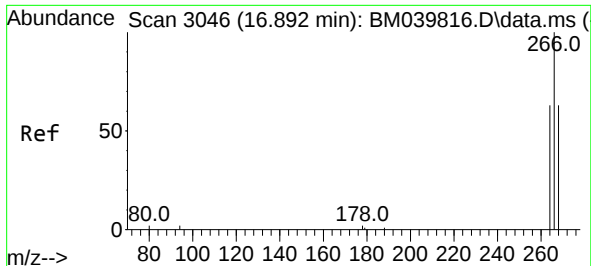
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#12
Fluorene
Concen: 6.647 ng/ul
RT: 15.501 min Scan# 2727
Delta R.T. -0.004 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

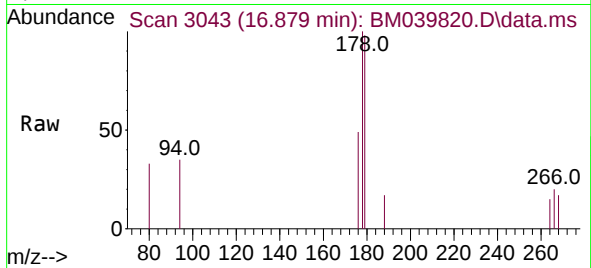
Tgt Ion:166 Resp: 156464
Ion Ratio Lower Upper
166 100
165 96.5 79.0 118.6
167 14.7 11.8 17.6





#14
Pentachlorophenol
Concen: 0.077 ng/ul
RT: 16.879 min Scan# 3043
Delta R.T. -0.008 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

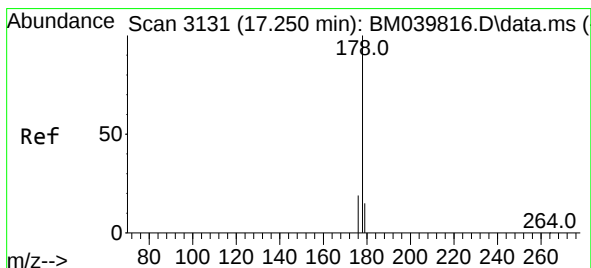
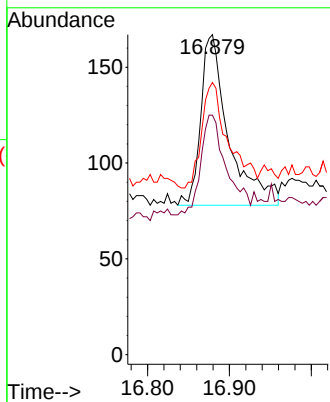
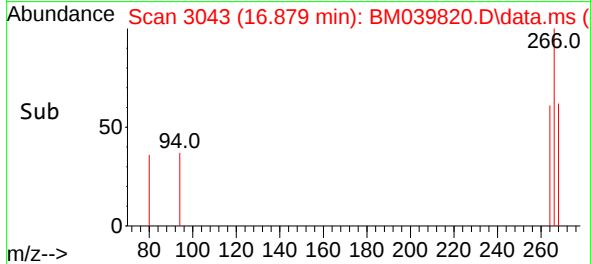
Instrument :
BNA_M
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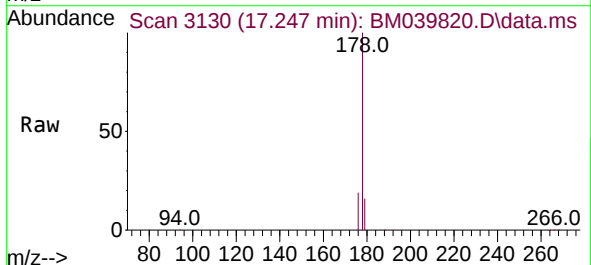
Tgt Ion:266 Resp: 212
Ion Ratio Lower Upper
266 100
264 55.2 48.8 73.2
268 58.5 50.4 75.6

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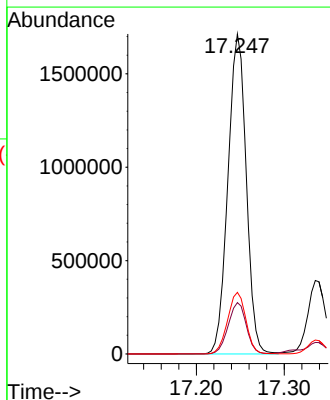
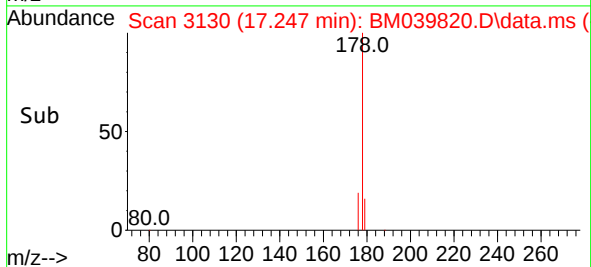
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

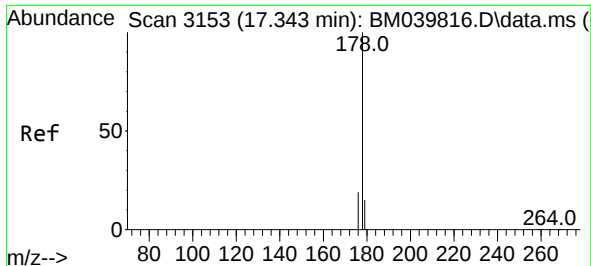


#15
Phenanthrene
Concen: 73.841 ng/ul
RT: 17.247 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32



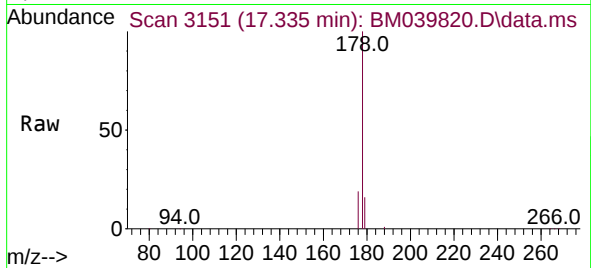
Tgt Ion:178 Resp: 2472778
Ion Ratio Lower Upper
178 100
179 16.0 13.0 19.6
176 19.2 15.8 23.8





#16
 Anthracene
 Concen: 18.920 ng/ul
 RT: 17.335 min Scan# 3153
 Delta R.T. -0.008 min
 Lab File: BM039820.D
 Acq: 03 May 2023 02:32

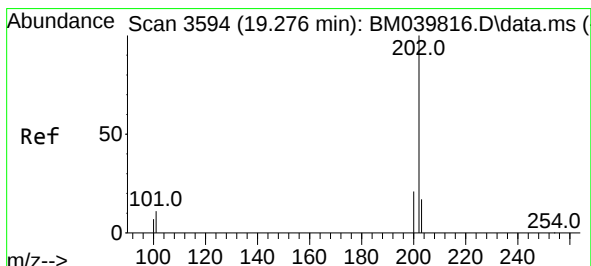
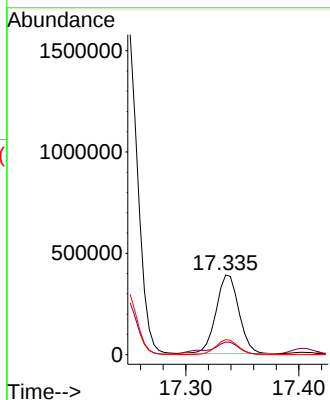
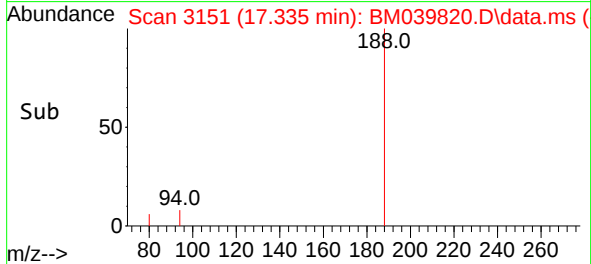
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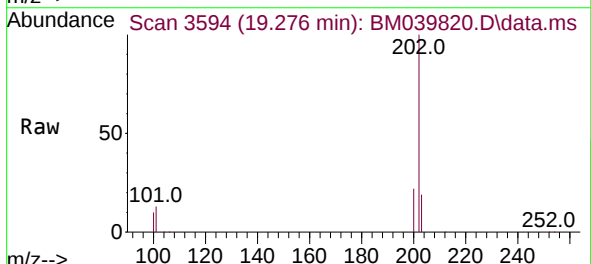
Tgt Ion:178 Resp: 544023
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.8 20.6
 176 18.9 15.8 23.8

Manual Integrations
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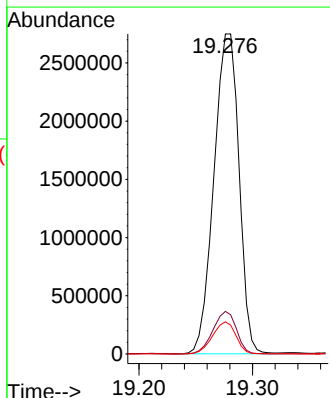
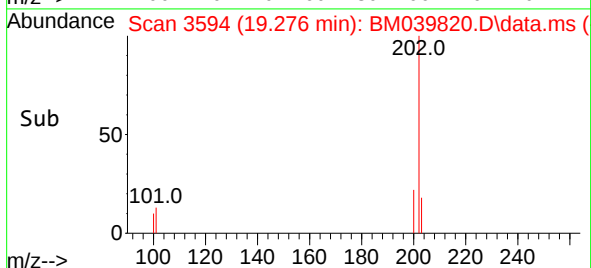
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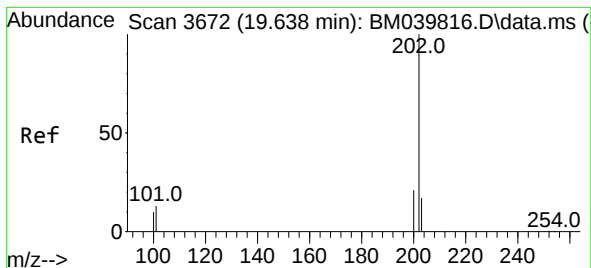


#19
 Fluoranthene
 Concen: 185.059 ng/ul
 RT: 19.276 min Scan# 3594
 Delta R.T. 0.005 min
 Lab File: BM039820.D
 Acq: 03 May 2023 02:32



Tgt Ion:202 Resp: 4216796
 Ion Ratio Lower Upper
 202 100
 101 13.3 9.8 14.8
 100 10.0 7.3 10.9





#20

Pyrene

Concen: 143.923 ng/ul

RT: 19.643 min Scan# 3673

Delta R.T. 0.010 min

Lab File: BM039820.D

Acq: 03 May 2023 02:32

Instrument :

BNA_M

ClientSampleId :

EW918

Tgt Ion:202 Resp: 354150

Ion Ratio Lower Upper

202 100

101 14.8 10.9 16.3

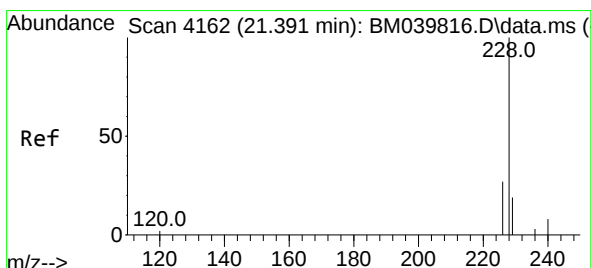
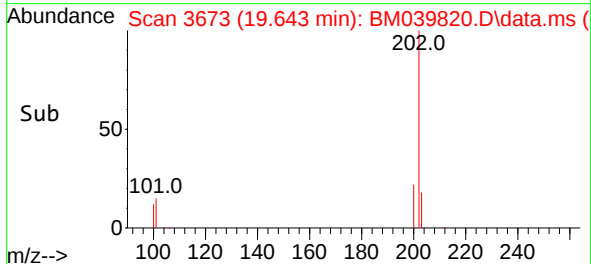
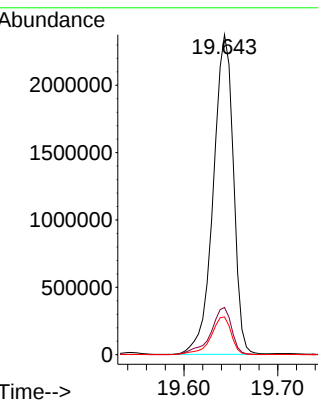
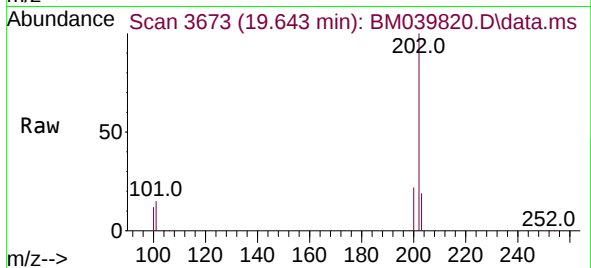
100 11.8 8.9 13.3

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#21

Benzo(a)anthracene

Concen: 111.567 ng/ul

RT: 21.391 min Scan# 4162

Delta R.T. 0.002 min

Lab File: BM039820.D

Acq: 03 May 2023 02:32

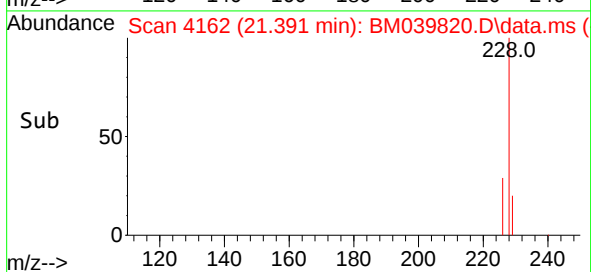
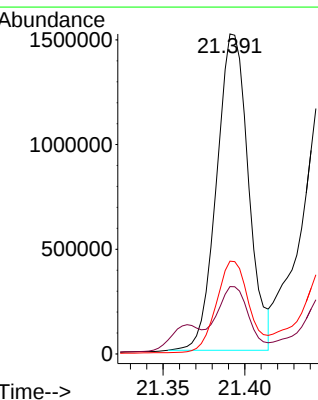
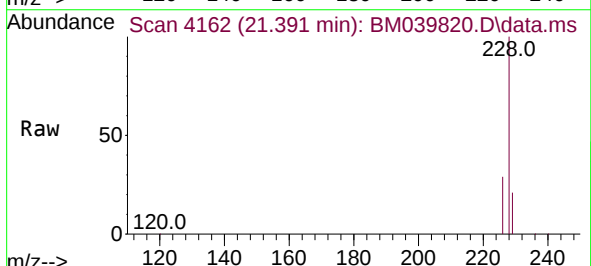
Tgt Ion:228 Resp: 2048770

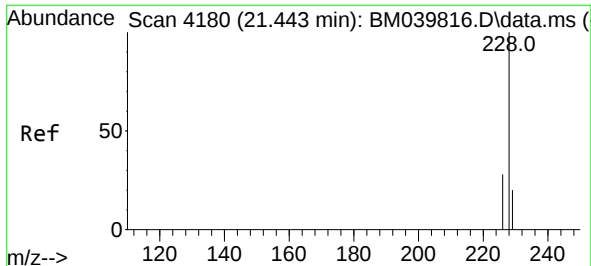
Ion Ratio Lower Upper

228 100

229 21.1 16.2 24.2

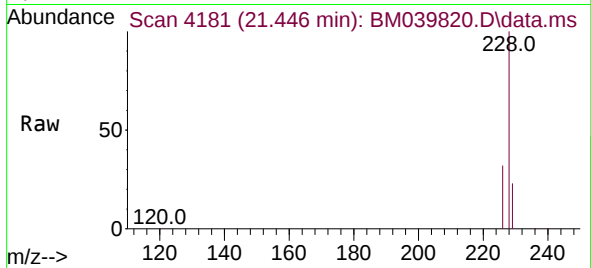
226 29.0 21.6 32.4





#22
Chrysene
Concen: 91.456 ng/ul
RT: 21.446 min Scan# 4180
Delta R.T. 0.005 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

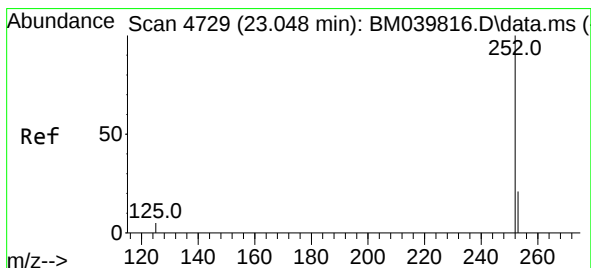
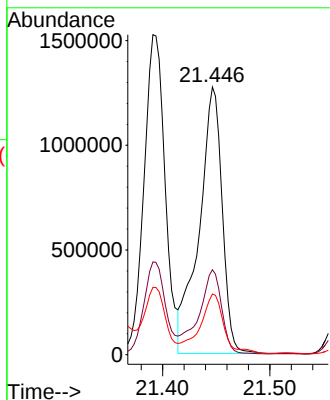
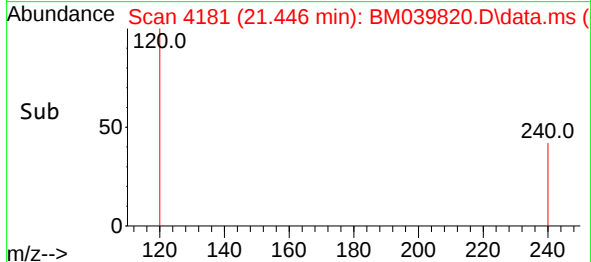
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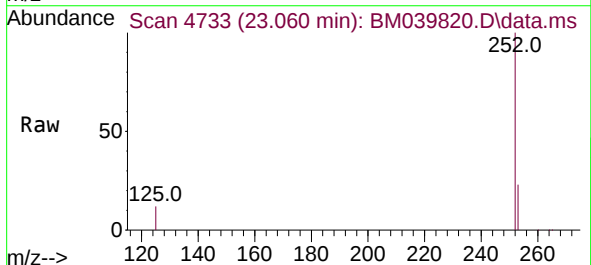
Tgt Ion:228 Resp: 1900600
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 22.7 15.9 23.9

Manual Integrations
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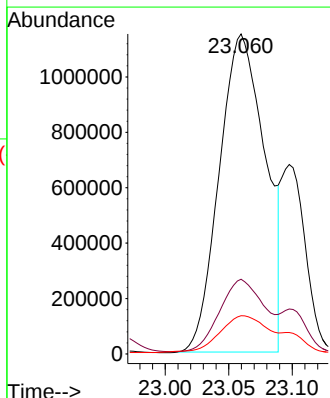
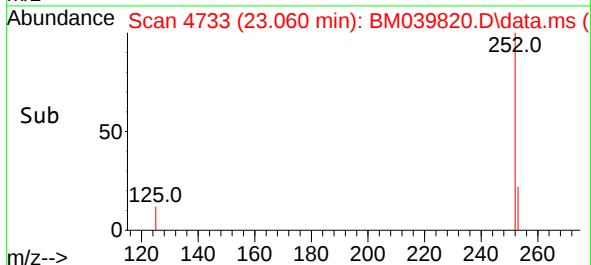
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

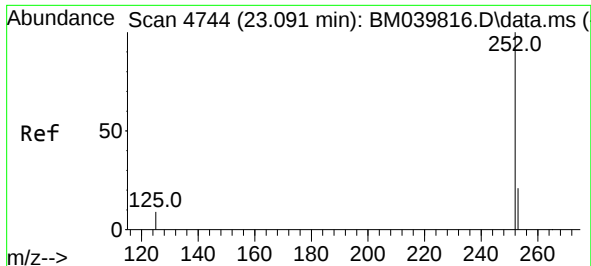


#24
Benzo(b)fluoranthene
Concen: 65.436 ng/ul
RT: 23.060 min Scan# 4733
Delta R.T. 0.016 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32



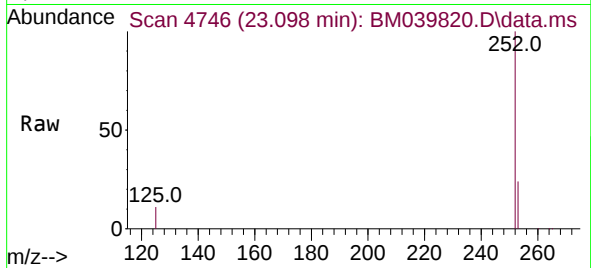
Tgt Ion:252 Resp: 2889113
Ion Ratio Lower Upper
252 100
253 23.4 0.0 52.8
125 12.0 0.0 31.6





#25
Benzo(k)fluoranthene
Concen: 19.885 ng/ul m
RT: 23.098 min Scan# 41
Delta R.T. 0.010 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

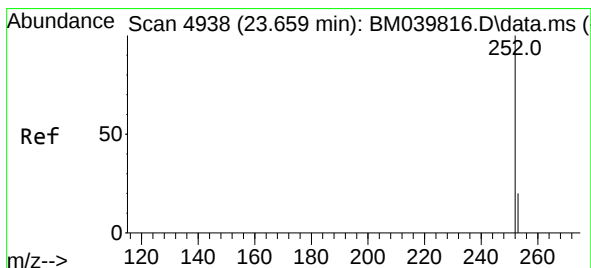
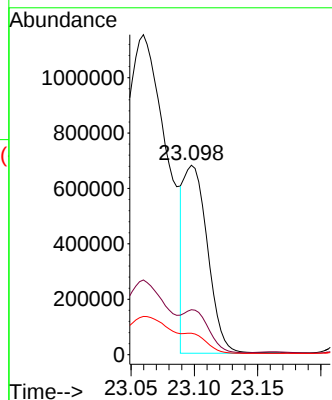
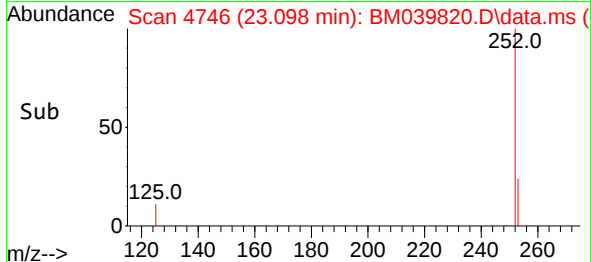
Instrument :
BNA_M
ClientSampleId :
EW918



Tgt Ion:252 Resp: 893970
Ion Ratio Lower Upper
252 100
253 23.7 21.3 31.9
125 11.3 13.0 19.6

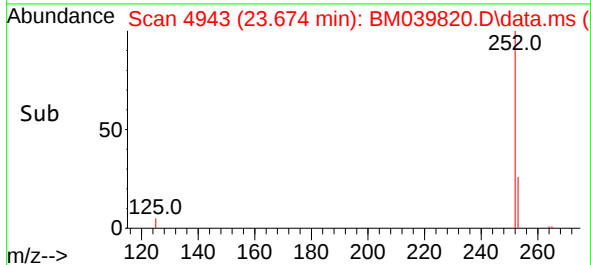
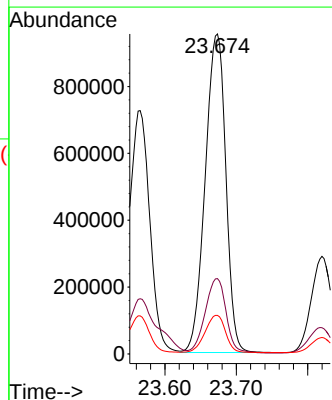
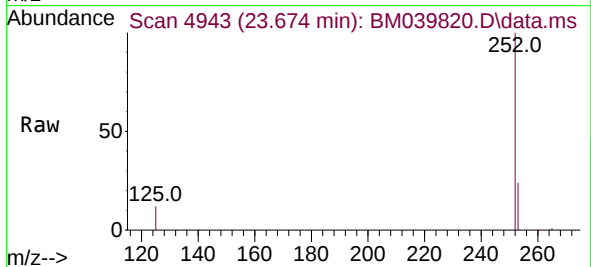
Manual Integrations
APPROVED

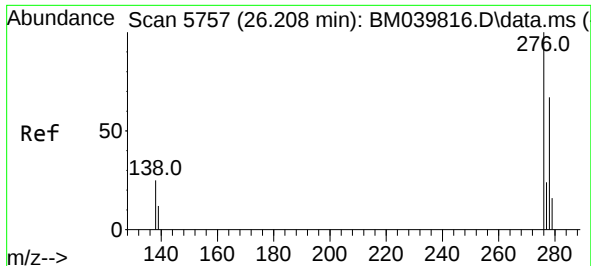
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#26
Benzo(a)pyrene
Concen: 48.312 ng/ul
RT: 23.674 min Scan# 4943
Delta R.T. 0.016 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

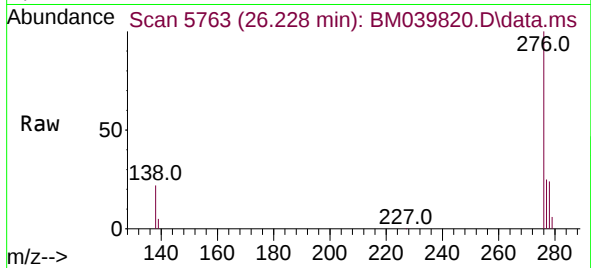
Tgt Ion:252 Resp: 1915119
Ion Ratio Lower Upper
252 100
253 23.5 24.7 37.1#
125 12.1 16.5 24.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 30.250 ng/ul
RT: 26.228 min Scan# 5763
Delta R.T. 0.026 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32

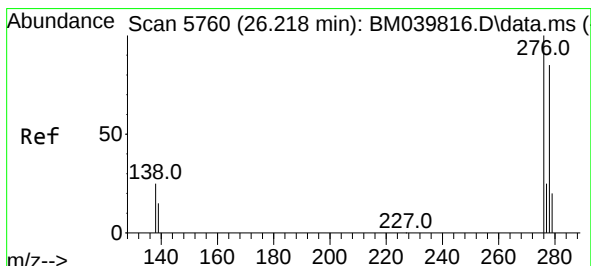
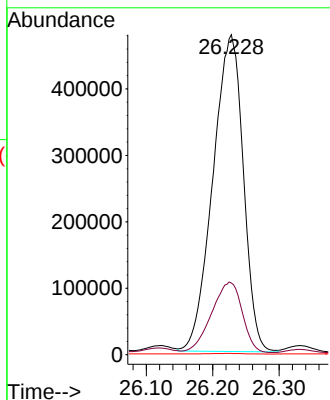
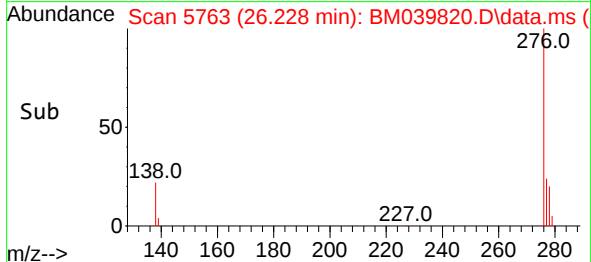
Instrument :
BNA_M
ClientSampleId :
EW918



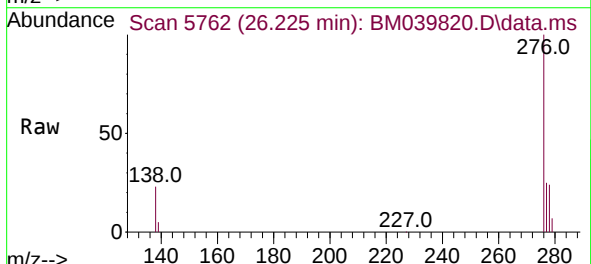
Tgt Ion:276 Resp: 151627
Ion Ratio Lower Upper
276 100
138 22.5 21.1 31.7
227 0.2 0.1 0.1

Manual Integrations
APPROVED

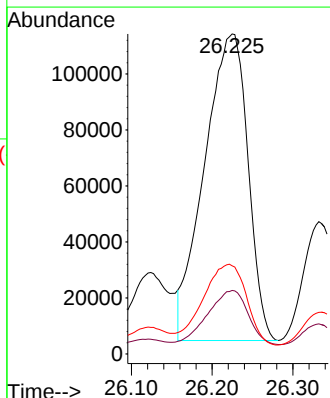
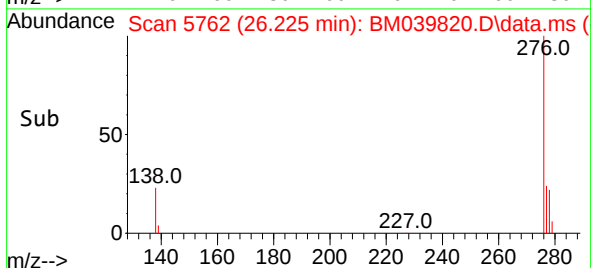
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

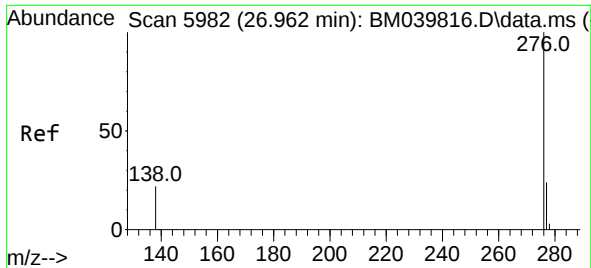


#28
Dibenzo(a,h)anthracene
Concen: 10.554 ng/ul
RT: 26.225 min Scan# 5762
Delta R.T. 0.012 min
Lab File: BM039820.D
Acq: 03 May 2023 02:32



Tgt Ion:278 Resp: 410594
Ion Ratio Lower Upper
278 100
139 19.9 17.0 25.6
279 27.6 23.4 35.2





#29

Benzo(g,h,i)perylene

Concen: 29.095 ng/ul

RT: 26.983 min Scan# 5988

Delta R.T. 0.036 min

Lab File: BM039820.D

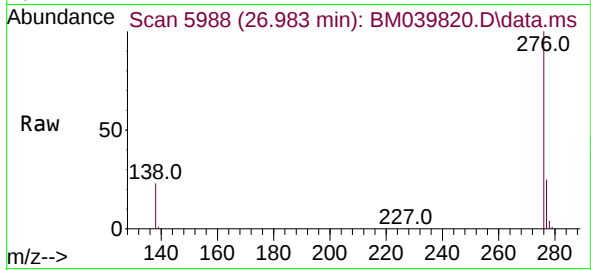
Acq: 03 May 2023 02:32

Instrument :

BNA_M

ClientSampleId :

EW918



Tgt Ion:276 Resp: 1270752

Ion Ratio Lower Upper

276 100

138 22.7 20.1 30.1

277 24.6 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/04/2023

