

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041874.D
 Acq On : 14 Sep 2023 21:16
 Operator : MA/JU
 Sample : 04175-20DL 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD3DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 00:30:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	7914	0.400	ng/ul	0.00
4) Naphthalene-d8	10.790	136	21652	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.620	164	11532	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	23723	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.547	240	10302	0.400	ng/ul	# 0.00
23) Perylene-d12	23.974	264	9432	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	2920	0.290	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.374	152	917	0.031	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	1371	0.039	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.840	128	11618	0.159	ng/ul	96
7) 2-Methylnaphthalene	12.445	142	7267	0.166	ng/ul	100
8) 1-Methylnaphthalene	12.665	142	4587	0.103	ng/ul	99
10) Acenaphthylene	14.347	152	1472	0.020	ng/ul#	38
11) Acenaphthene	14.685	153	2363	0.043	ng/ul	94
12) Fluorene	15.670	166	2975	0.046	ng/ul#	84
15) Phenanthrene	17.413	178	34664	0.335	ng/ul#	94
16) Anthracene	17.506	178	6251	0.069	ng/ul#	68
19) Fluoranthene	19.427	202	60909	0.763	ng/ul	99
20) Pyrene	19.794	202	64558	0.773	ng/ul	97
21) Benzo(a)anthracene	21.530	228	16814	0.247	ng/ul#	59
22) Chrysene	21.585	228	25128m	0.361	ng/ul	
24) Benzo(b)fluoranthene	23.225	252	27120	0.404	ng/ul#	1
25) Benzo(k)fluoranthene	23.272	252	9796m	0.158	ng/ul	
26) Benzo(a)pyrene	23.865	252	15804	0.309	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.485	276	13315	0.169	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.498	278	3531	0.061	ng/ul#	1
29) Benzo(g,h,i)perylene	27.273	276	12648	0.190	ng/ul#	58

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

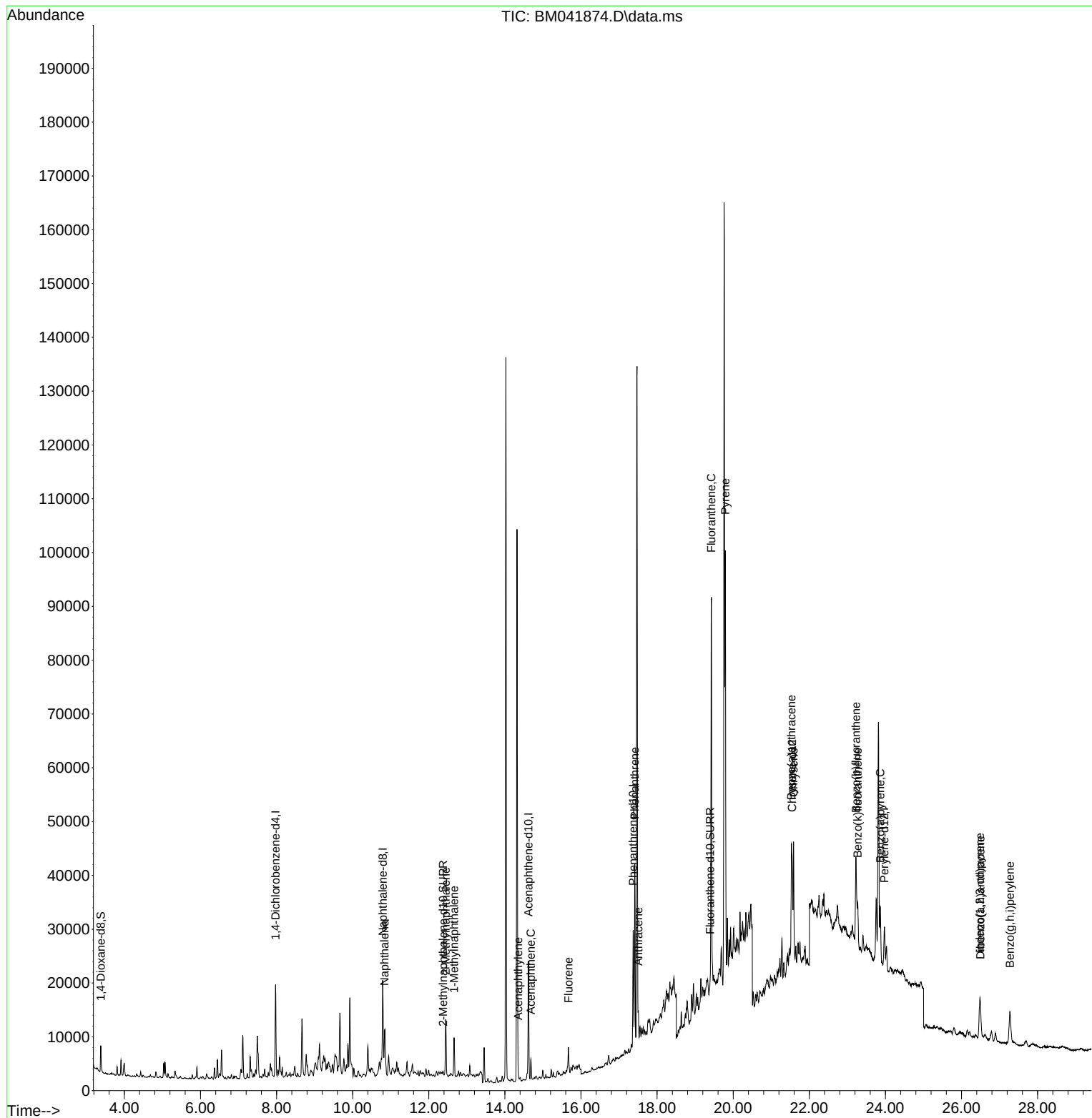
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
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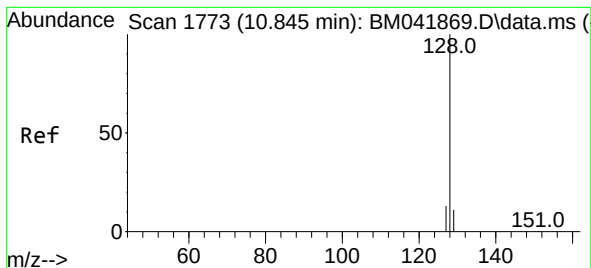
Instrument :
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#5

Naphthalene

Concen: 0.159 ng/ul

RT: 10.840 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM041874.D

Acq: 14 Sep 2023 21:16

Instrument :

BNA_M

ClientSampleId :

EZYD3DL

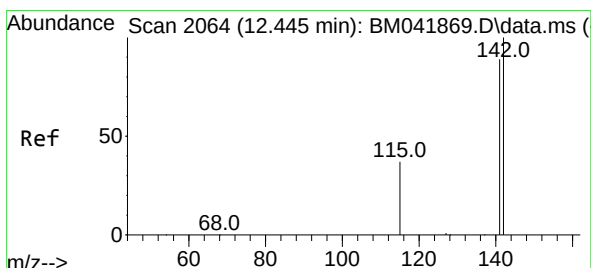
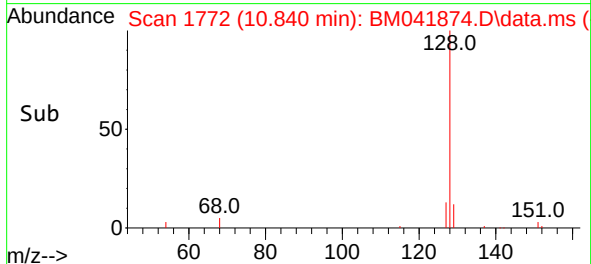
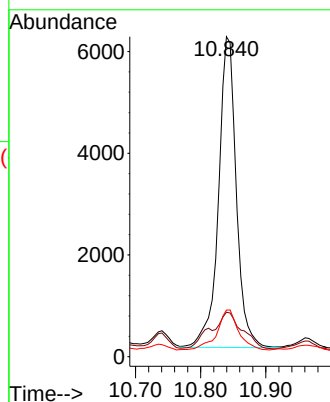
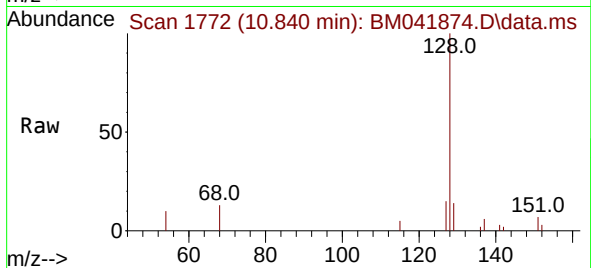
Tgt Ion:128	Resp:	11618
Ion Ratio	Lower	Upper
128	100	
129	13.9	9.5 14.3
127	14.6	10.7 16.1

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#7

2-Methylnaphthalene

Concen: 0.166 ng/ul

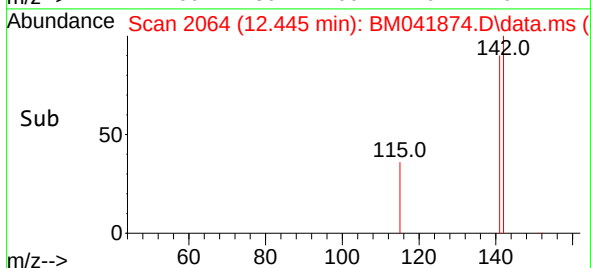
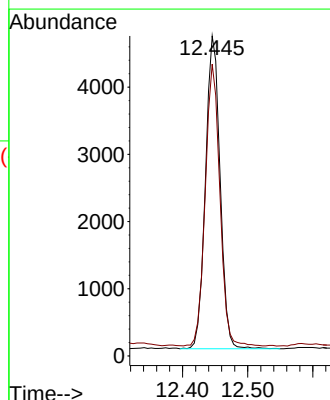
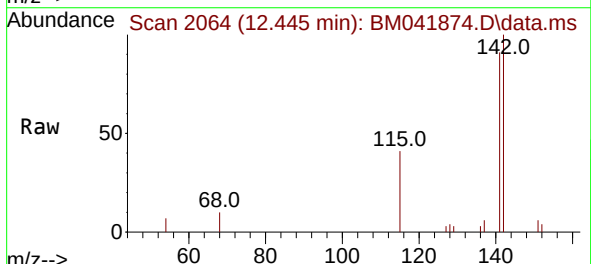
RT: 12.445 min Scan# 2064

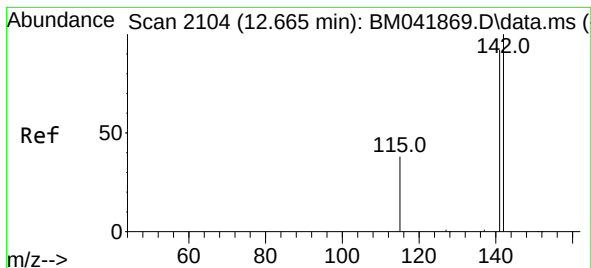
Delta R.T. -0.000 min

Lab File: BM041874.D

Acq: 14 Sep 2023 21:16

Tgt Ion:142	Resp:	7267
Ion Ratio	Lower	Upper
142	100	
141	89.8	72.1 108.1





#8

1-Methylnaphthalene

Concen: 0.103 ng/ul

RT: 12.665 min Scan# 2104

Delta R.T. -0.000 min

Lab File: BM041874.D

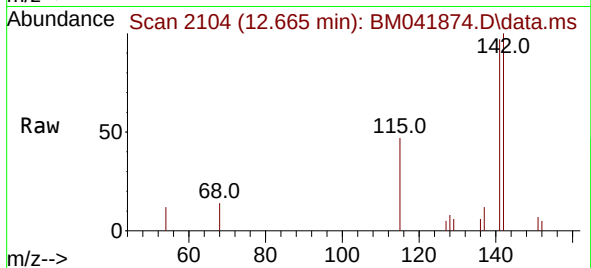
Acq: 14 Sep 2023 21:16

Instrument :

BNA_M

ClientSampleId :

EZYD3DL



Tgt Ion:142 Resp: 458

Ion Ratio Lower Upper

142 100

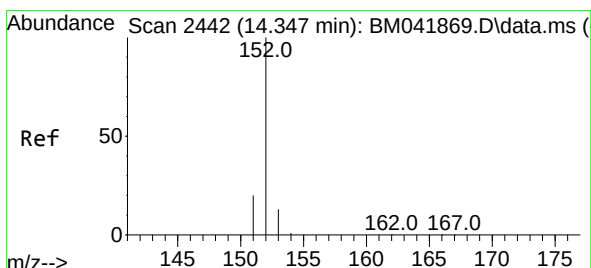
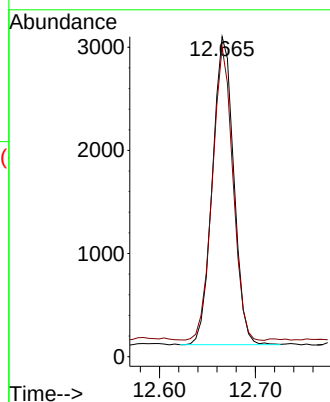
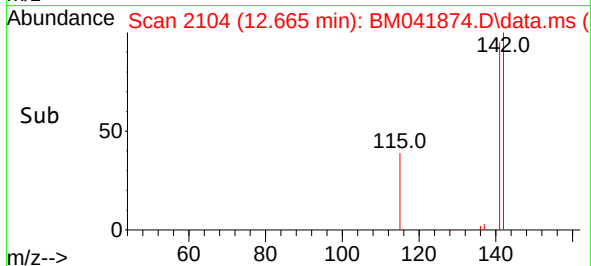
141 92.2 74.3 111.5

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#10

Acenaphthylene

Concen: 0.020 ng/ul

RT: 14.347 min Scan# 2442

Delta R.T. 0.005 min

Lab File: BM041874.D

Acq: 14 Sep 2023 21:16

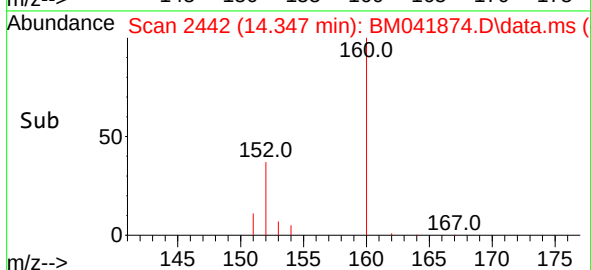
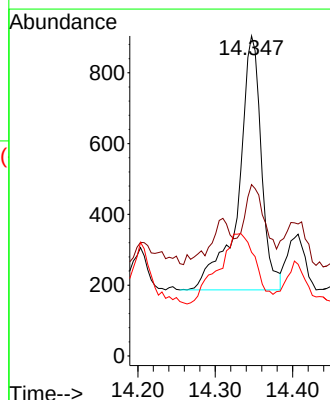
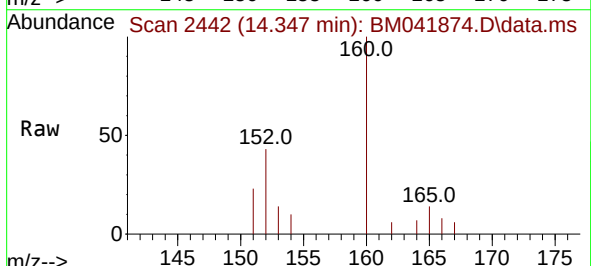
Tgt Ion:152 Resp: 1472

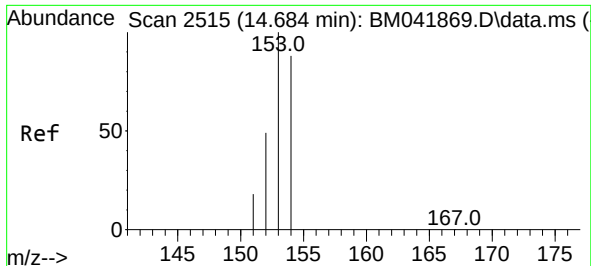
Ion Ratio Lower Upper

152 100

151 53.5 16.3 24.5#

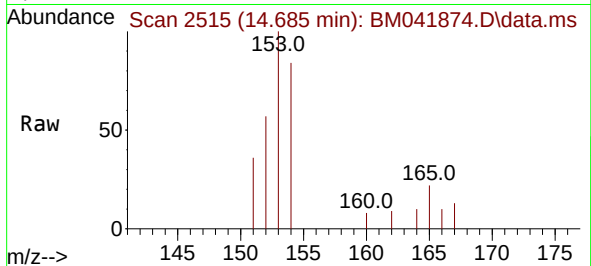
153 32.4 10.9 16.3#





#11
Acenaphthene
Concen: 0.043 ng/u1
RT: 14.685 min Scan# 2153
Delta R.T. 0.005 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

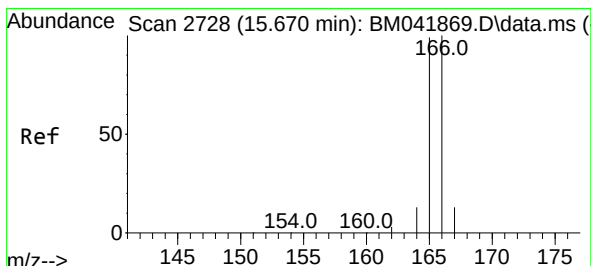
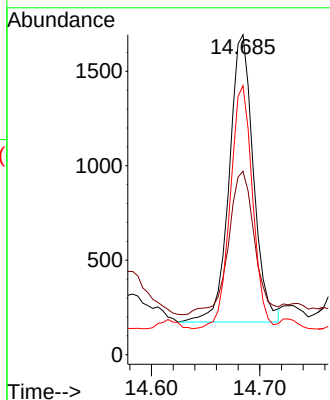
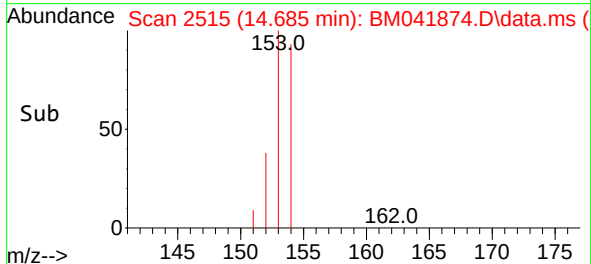
Instrument :
BNA_M
ClientSampleId :
EZYD3DL



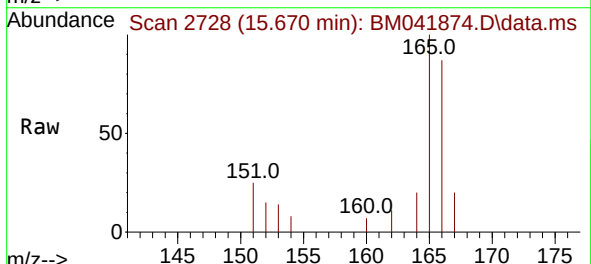
Tgt Ion:153 Resp: 236
Ion Ratio Lower Upper
153 100
152 57.3 41.5 62.3
154 84.1 70.7 106.1

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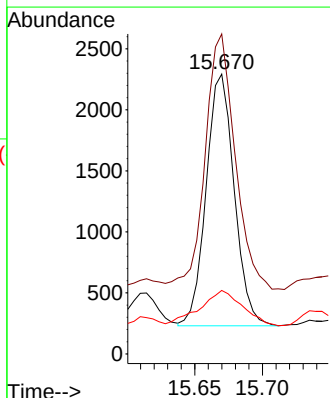
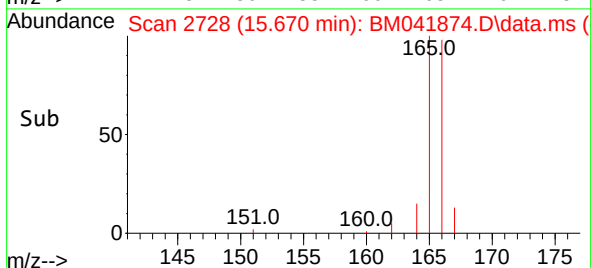
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

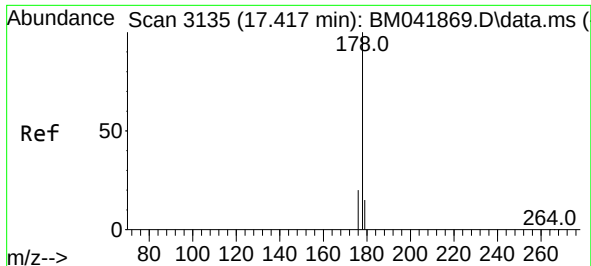


#12
Fluorene
Concen: 0.046 ng/u1
RT: 15.670 min Scan# 2728
Delta R.T. 0.005 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16



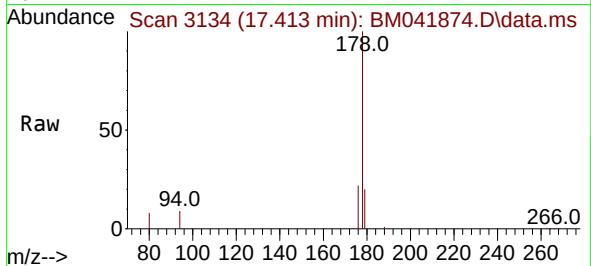
Tgt Ion:166 Resp: 2975
Ion Ratio Lower Upper
166 100
165 114.3 79.3 118.9
167 22.7 11.2 16.8#





#15
Phenanthrene
Concen: 0.335 ng/ul
RT: 17.413 min Scan# 3135
Delta R.T. 0.004 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

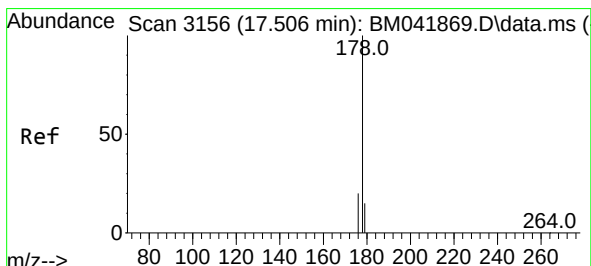
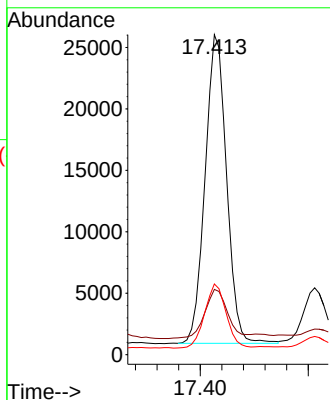
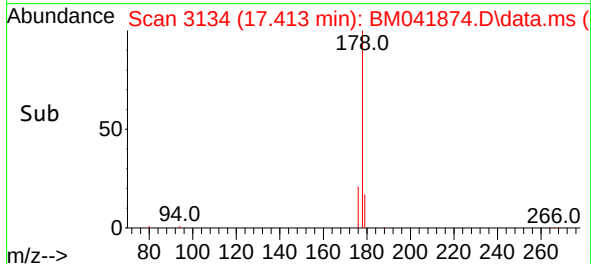
Instrument :
BNA_M
ClientSampleId :
EZYD3DL



Tgt Ion:178 Resp: 3464
Ion Ratio Lower Upper
178 100
179 20.4 12.6 19.0#
176 22.1 16.6 25.0#

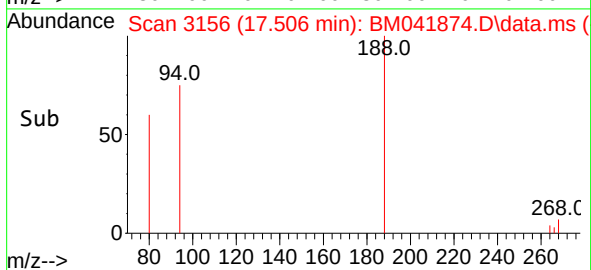
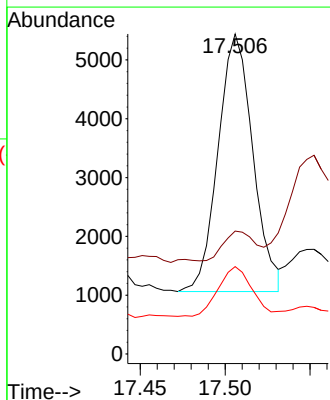
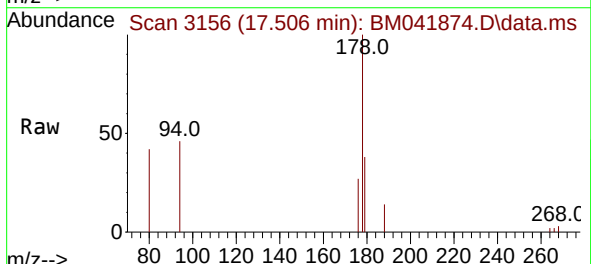
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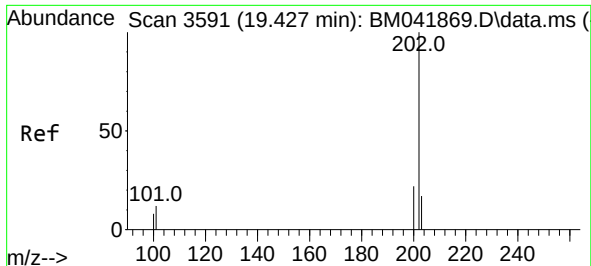
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#16
Anthracene
Concen: 0.069 ng/ul
RT: 17.506 min Scan# 3156
Delta R.T. 0.004 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

Tgt Ion:178 Resp: 6251
Ion Ratio Lower Upper
178 100
179 38.4 12.7 19.1#
176 27.3 16.1 24.1#





#19

Fluoranthene

Concen: 0.763 ng/ul

RT: 19.427 min Scan# 3591

Delta R.T. 0.009 min

Lab File: BM041874.D

Acq: 14 Sep 2023 21:16

Instrument :

BNA_M

ClientSampleId :

EZYD3DL

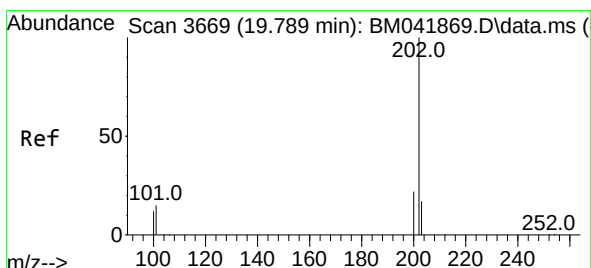
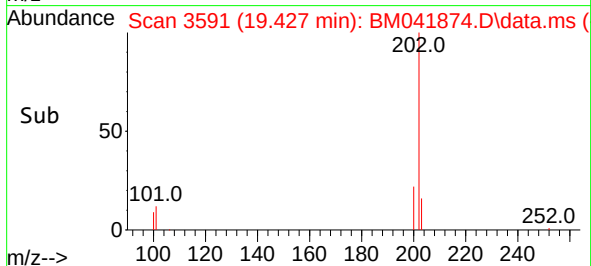
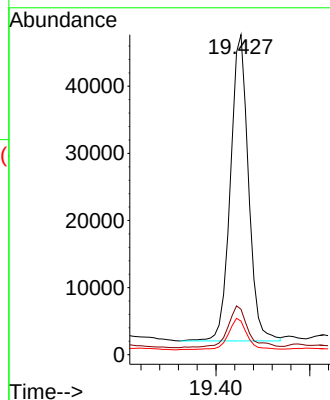
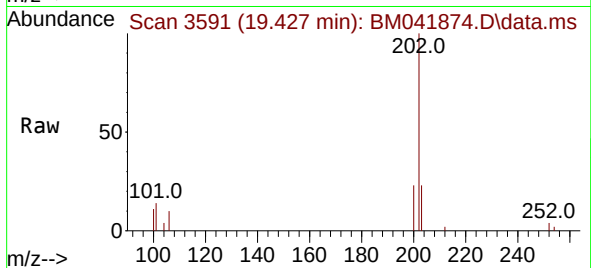
Tgt Ion:	202	Resp:	60909
Ion Ratio	Lower	Upper	
202	100		
101	14.2	11.0	16.6
100	10.5	8.2	12.4

Manual Integrations

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Supervised By :mohammad ahmed 09/15/2023



#20

Pyrene

Concen: 0.773 ng/ul

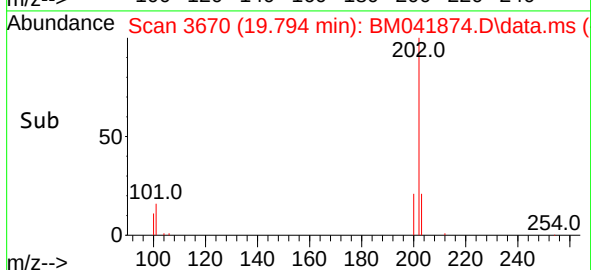
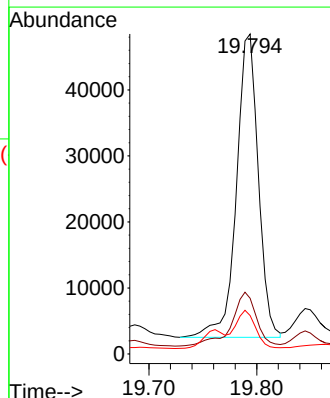
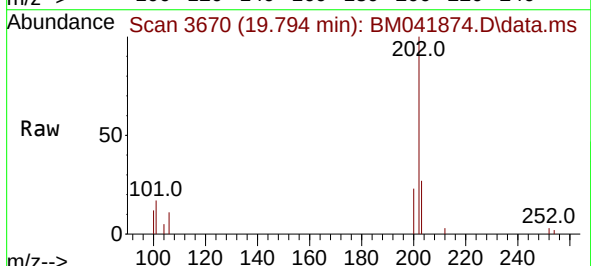
RT: 19.794 min Scan# 3670

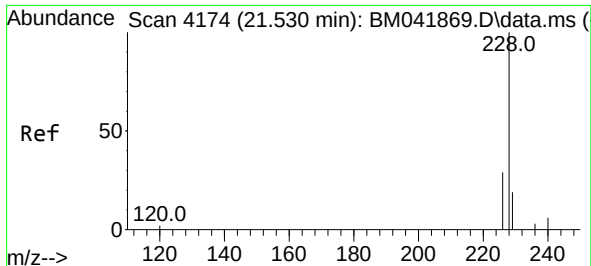
Delta R.T. 0.009 min

Lab File: BM041874.D

Acq: 14 Sep 2023 21:16

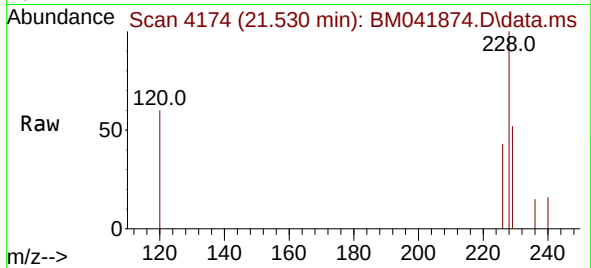
Tgt Ion:	202	Resp:	64558
Ion Ratio	Lower	Upper	
202	100		
101	17.4	12.6	19.0
100	12.0	9.9	14.9





#21
Benzo(a)anthracene
Concen: 0.247 ng/ul
RT: 21.530 min Scan# 4174
Delta R.T. 0.009 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

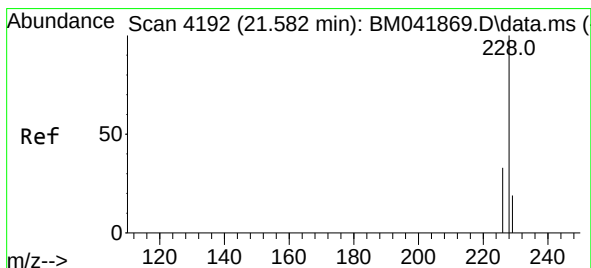
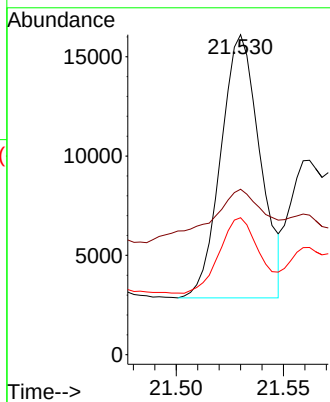
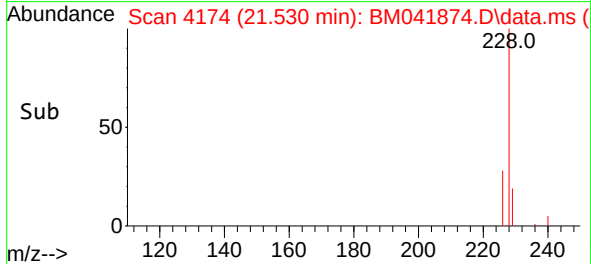
Instrument :
BNA_M
ClientSampleId :
EZYD3DL



Tgt Ion:228 Resp: 16814
Ion Ratio Lower Upper
228 100
229 51.7 15.8 23.8#
226 42.8 24.3 36.5#

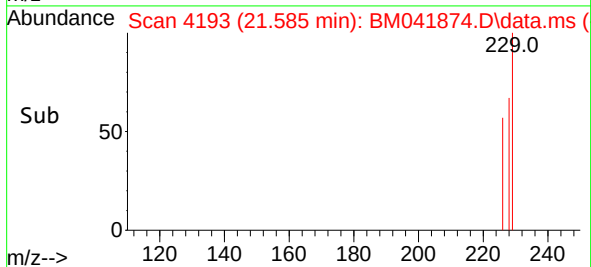
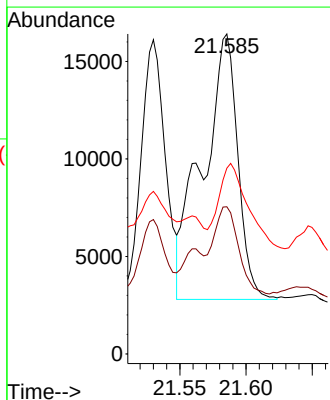
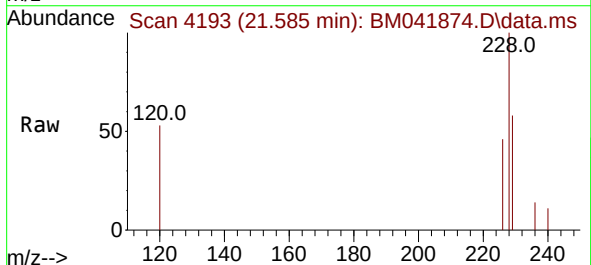
Manual Integrations
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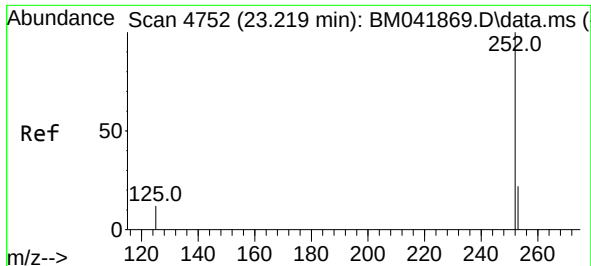
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#22
Chrysene
Concen: 0.361 ng/ul m
RT: 21.585 min Scan# 4193
Delta R.T. 0.009 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

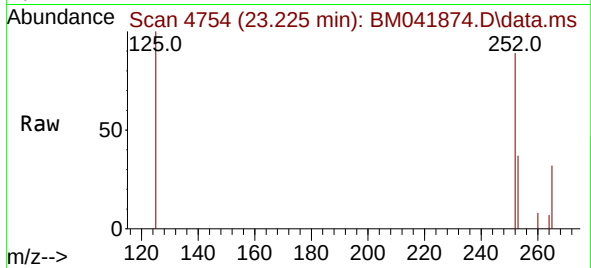
Tgt Ion:228 Resp: 25128
Ion Ratio Lower Upper
228 100
226 46.0 27.0 40.4#
229 58.1 15.7 23.5#





#24
Benzo(b)fluoranthene
Concen: 0.404 ng/ul
RT: 23.225 min Scan# 4754
Delta R.T. 0.017 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

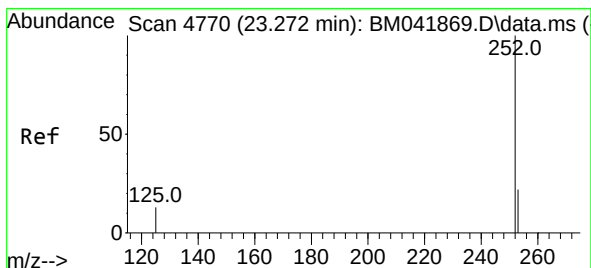
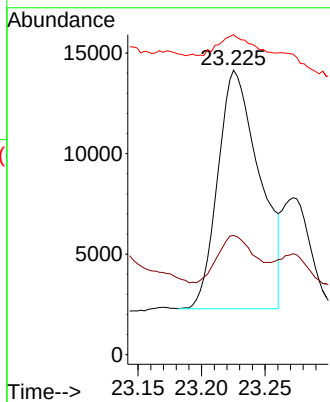
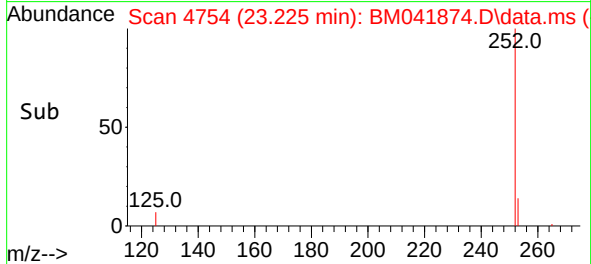
Instrument :
BNA_M
ClientSampleId :
EZYD3DL



Tgt Ion:252 Resp: 27120
Ion Ratio Lower Upper
252 100
253 41.9 0.0 51.0
125 112.5 0.0 39.8

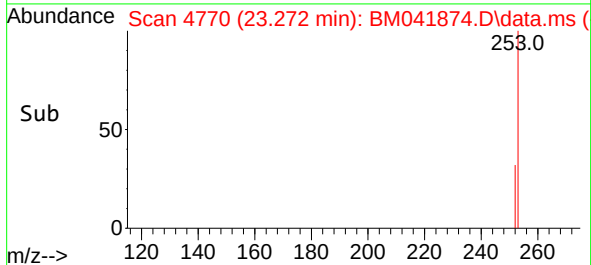
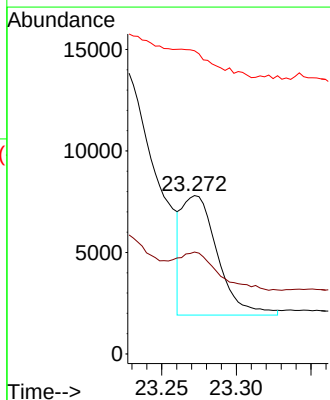
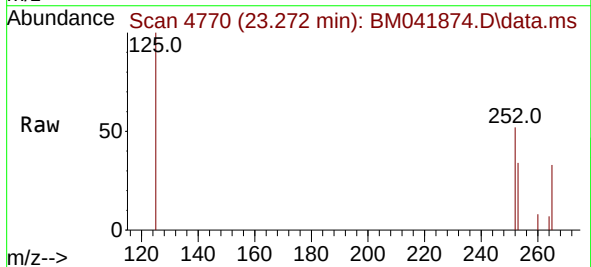
Manual Integrations
APPROVED

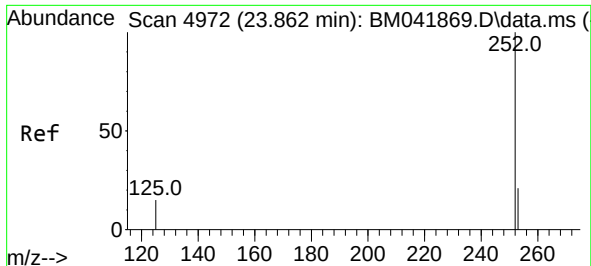
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#25
Benzo(k)fluoranthene
Concen: 0.158 ng/ul m
RT: 23.272 min Scan# 4770
Delta R.T. 0.012 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

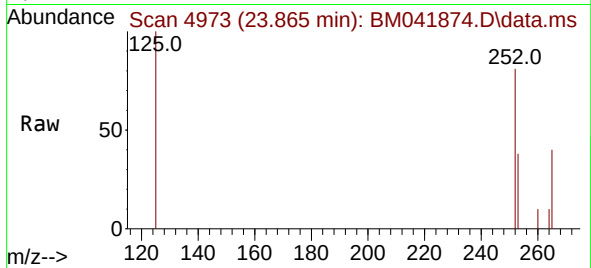
Tgt Ion:252 Resp: 9796
Ion Ratio Lower Upper
252 100
253 64.3 20.2 30.2#
125 191.4 15.8 23.8#





#26
Benzo(a)pyrene
Concen: 0.309 ng/ul
RT: 23.865 min Scan# 4972
Delta R.T. 0.020 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

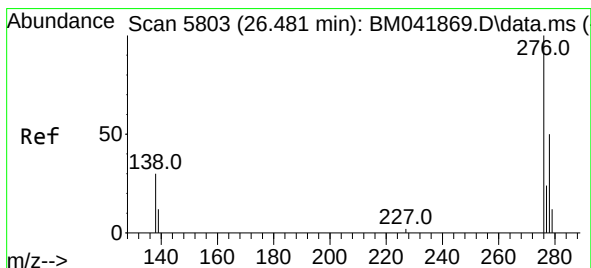
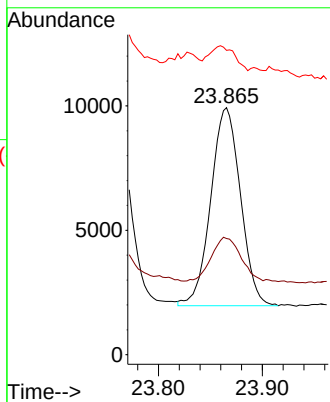
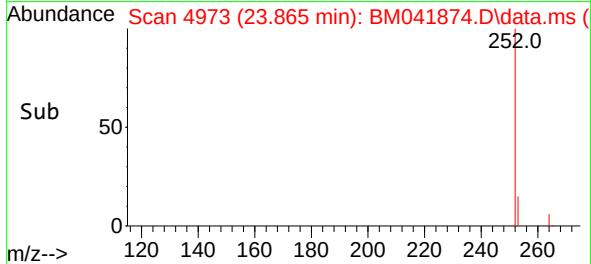
Instrument :
BNA_M
ClientSampleId :
EZYD3DL



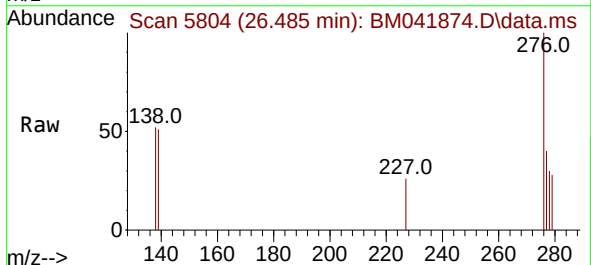
Tgt Ion:252 Resp: 15804
Ion Ratio Lower Upper
252 100
253 47.0 21.8 32.8
125 123.2 18.8 28.2

Manual Integrations
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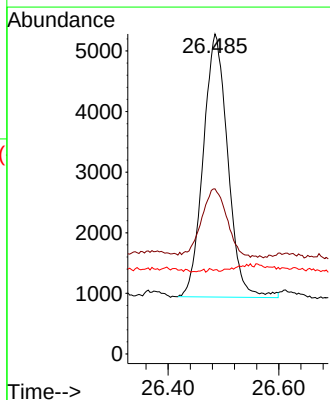
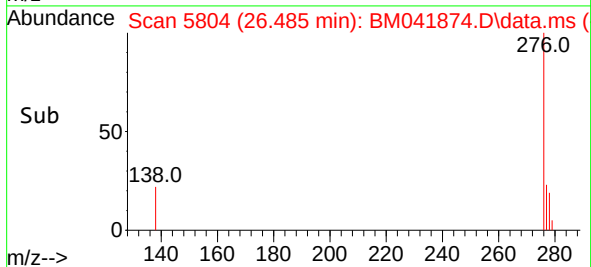
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

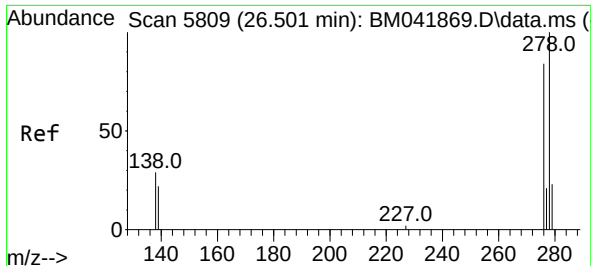


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.169 ng/ul
RT: 26.485 min Scan# 5804
Delta R.T. 0.030 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16



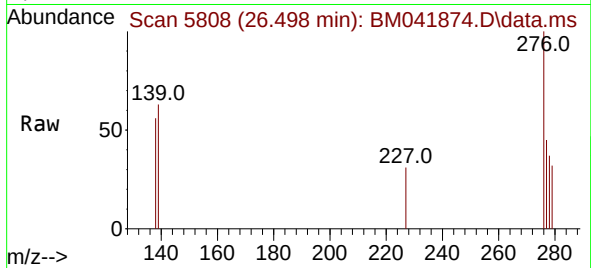
Tgt Ion:276 Resp: 13315
Ion Ratio Lower Upper
276 100
138 27.3 27.7 41.5#
227 0.4 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 26.498 min Scan# 5808
Delta R.T. 0.023 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16

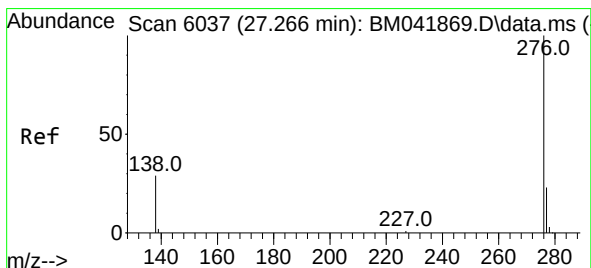
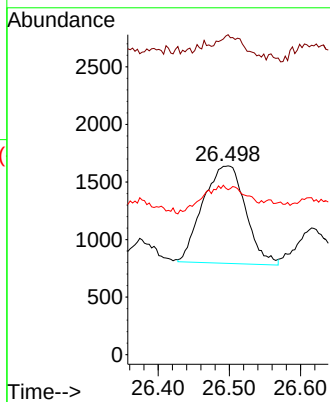
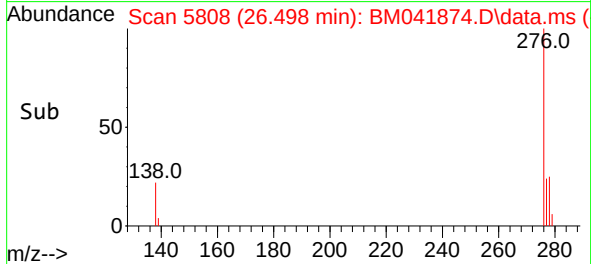
Instrument :
BNA_M
ClientSampleId :
EZYD3DL



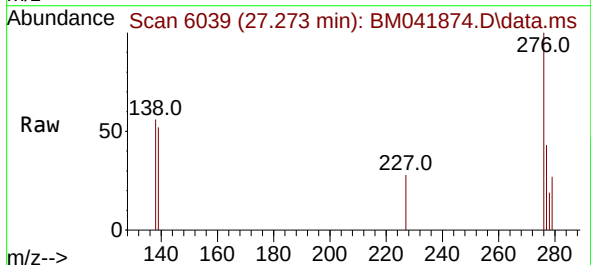
Tgt Ion:278 Resp: 353
Ion Ratio Lower Upper
278 100
139 169.5 20.9 31.3#
279 87.4 20.3 30.5#

Manual Integrations
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Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#29
Benzo(g,h,i)perylene
Concen: 0.190 ng/ul
RT: 27.273 min Scan# 6039
Delta R.T. 0.037 min
Lab File: BM041874.D
Acq: 14 Sep 2023 21:16



Tgt Ion:276 Resp: 12648
Ion Ratio Lower Upper
276 100
138 56.2 24.7 37.1#
277 42.6 19.3 28.9#

