

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041877.D
 Acq On : 14 Sep 2023 23:07
 Operator : MA/JU
 Sample : 04175-19DL 5X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD2DL

Manual Integrations
 APPROVED

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

Quant Time: Sep 15 00:31:16 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	8844	0.400	ng/ul	0.00
4) Naphthalene-d8	10.790	136	23460	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.620	164	12034	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	24088	0.400	ng/ul	0.00
17) Chrysene-d12	21.545	240	8467	0.400	ng/ul	# 0.00
23) Perylene-d12	23.971	264	9077	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	7779	0.692	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.368	152	2107	0.066	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	3413	0.118	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.840	128	27467	0.347	ng/ul	100
7) 2-Methylnaphthalene	12.445	142	31568	0.664	ng/ul	99
8) 1-Methylnaphthalene	12.665	142	18946	0.391	ng/ul	99
10) Acenaphthylene	14.347	152	3185	0.042	ng/ul#	78
11) Acenaphthene	14.680	153	6562	0.114	ng/ul	95
12) Fluorene	15.665	166	8020	0.119	ng/ul#	95
15) Phenanthrene	17.413	178	80621	0.767	ng/ul	99
16) Anthracene	17.506	178	12787	0.140	ng/ul#	91
19) Fluoranthene	19.422	202	80075	1.221	ng/ul	99
20) Pyrene	19.789	202	73915m	1.076	ng/ul	
21) Benzo(a)anthracene	21.524	228	22321	0.400	ng/ul#	65
22) Chrysene	21.583	228	34738m	0.607	ng/ul	
24) Benzo(b)fluoranthene	23.222	252	35811	0.554	ng/ul#	26
25) Benzo(k)fluoranthene	23.266	252	11769m	0.198	ng/ul	
26) Benzo(a)pyrene	23.863	252	24421	0.496	ng/ul#	22
27) Indeno(1,2,3-cd)pyrene	26.482	276	23844	0.315	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.488	278	6008	0.108	ng/ul#	1
29) Benzo(g,h,i)perylene	27.276	276	24713	0.386	ng/ul#	73

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

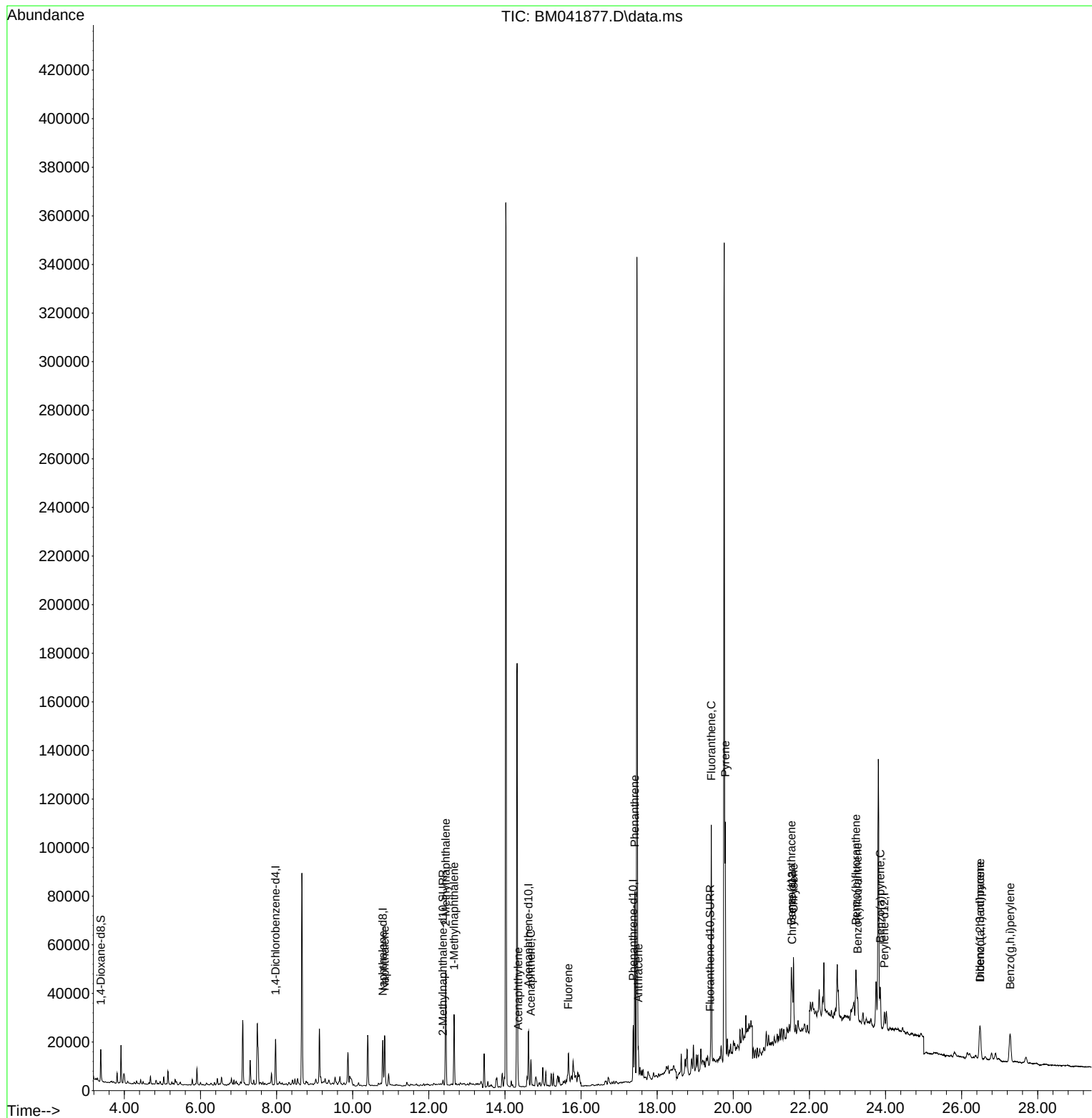
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
Data File : BM041877.D
Acq On : 14 Sep 2023 23:07
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ALS Vial : 55 Sample Multiplier: 1

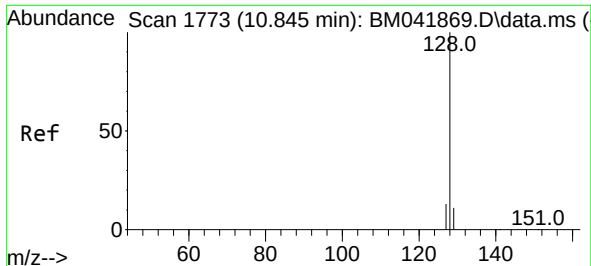
Instrument :
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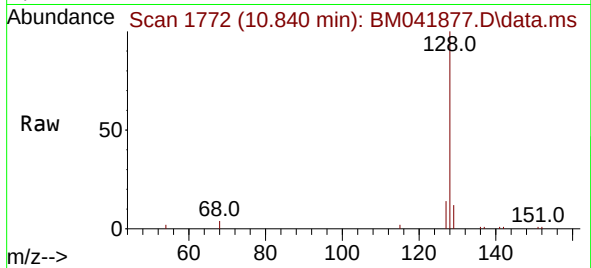
Quant Time: Sep 15 00:31:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 13 16:15:23 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.347 ng/ul
RT: 10.840 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

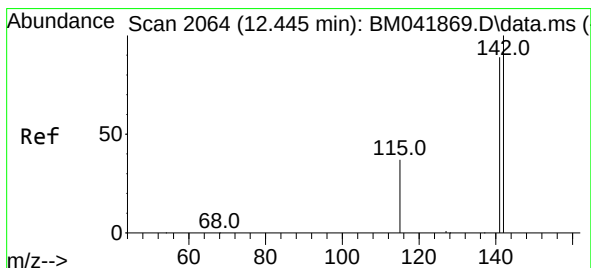
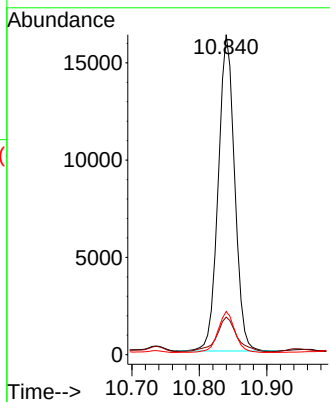
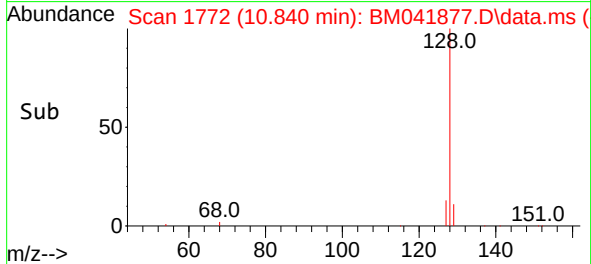
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



Tgt Ion:128 Resp: 2746
Ion Ratio Lower Upper
128 100
129 11.7 9.5 14.3
127 13.5 10.7 16.1

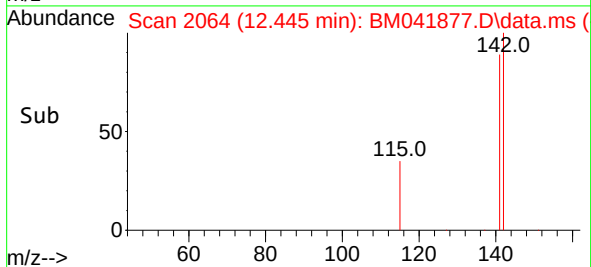
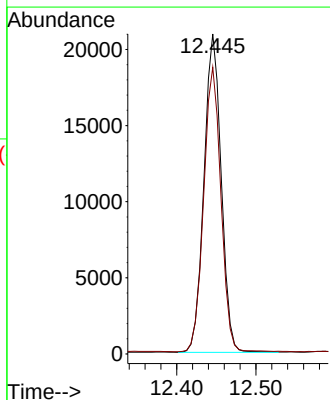
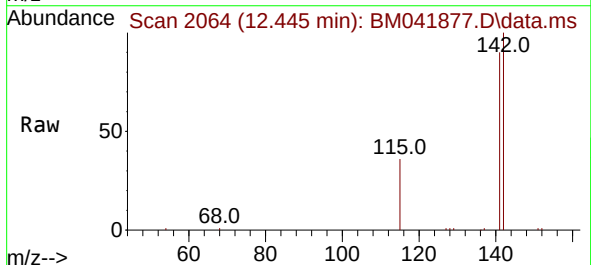
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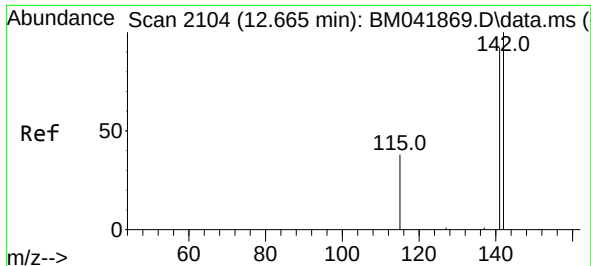
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#7
2-Methylnaphthalene
Concen: 0.664 ng/ul
RT: 12.445 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

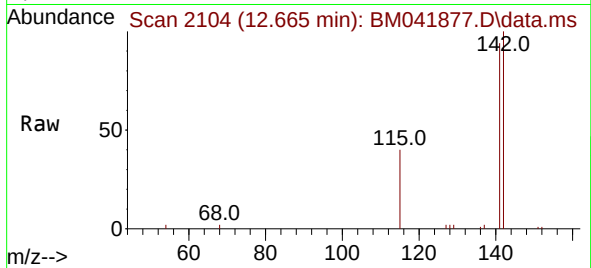
Tgt Ion:142 Resp: 31568
Ion Ratio Lower Upper
142 100
141 89.5 72.1 108.1





#8
1-Methylnaphthalene
Concen: 0.391 ng/ul
RT: 12.665 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

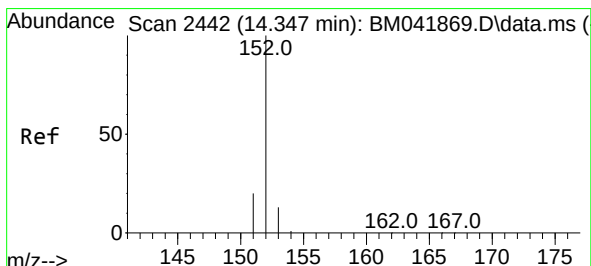
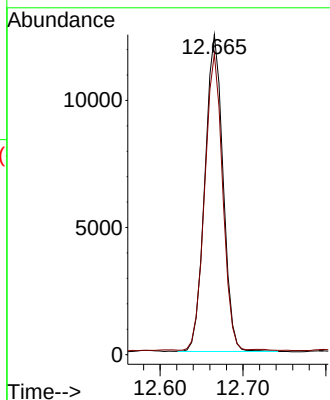
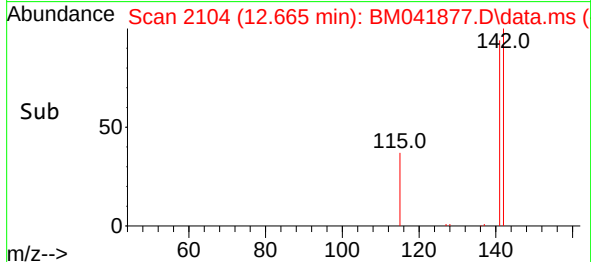
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



Tgt Ion:142 Resp: 18940
Ion Ratio Lower Upper
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141 92.3 74.3 111.5

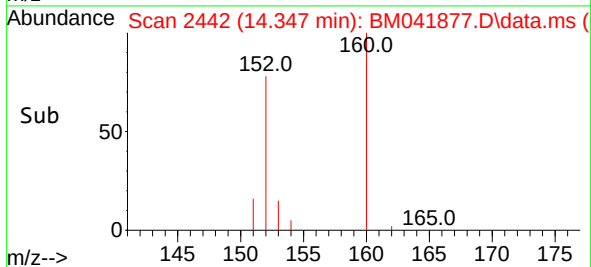
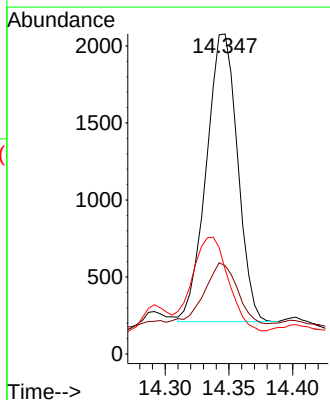
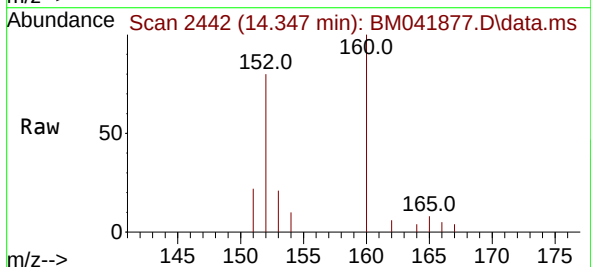
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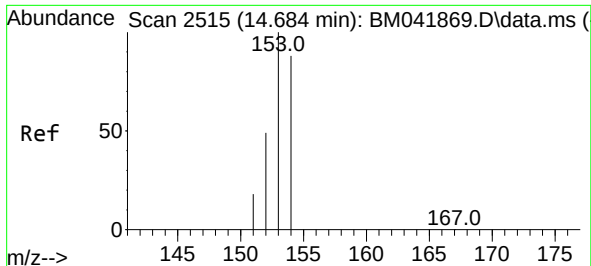
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#10
Acenaphthylene
Concen: 0.042 ng/ul
RT: 14.347 min Scan# 2442
Delta R.T. 0.005 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

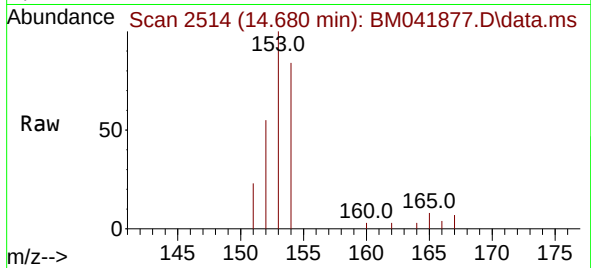
Tgt Ion:152 Resp: 3185
Ion Ratio Lower Upper
152 100
151 27.6 16.3 24.5#
153 26.5 10.9 16.3#





#11
Acenaphthene
Concen: 0.114 ng/uI
RT: 14.680 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

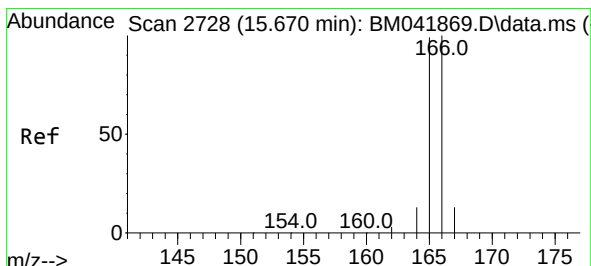
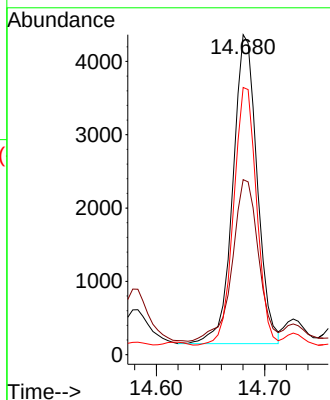
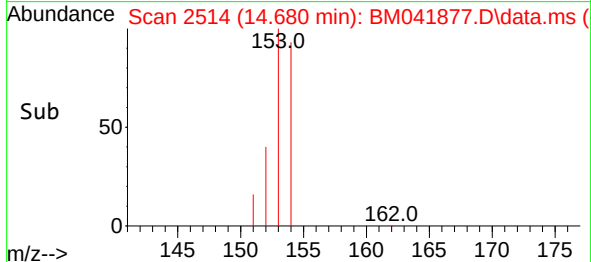
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



Tgt Ion:153 Resp: 6562
Ion Ratio Lower Upper
153 100
152 54.7 41.5 62.3
154 83.5 70.7 106.1

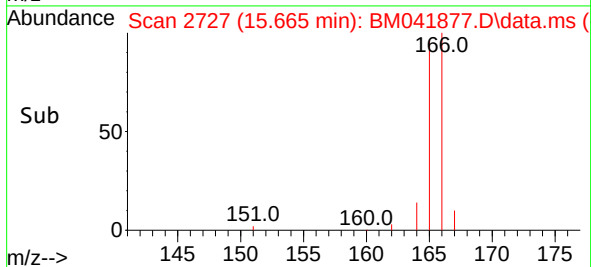
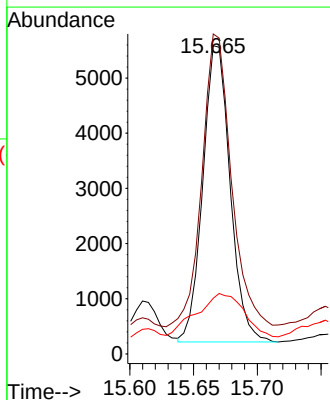
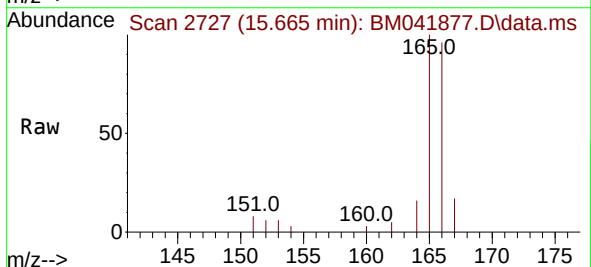
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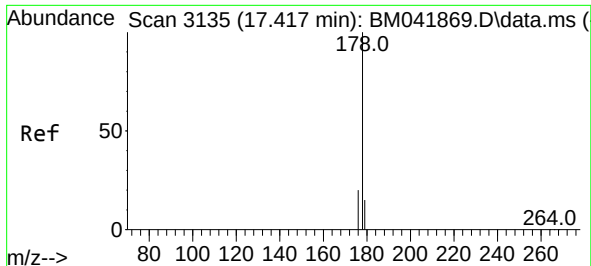
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#12
Fluorene
Concen: 0.119 ng/uI
RT: 15.665 min Scan# 2727
Delta R.T. 0.000 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

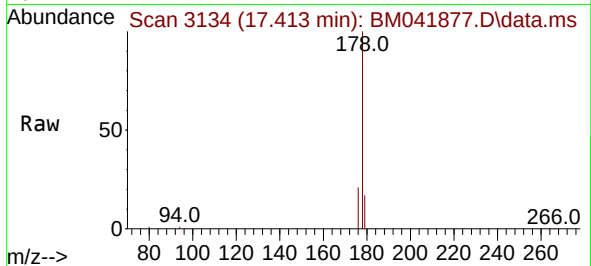
Tgt Ion:166 Resp: 8020
Ion Ratio Lower Upper
166 100
165 103.8 79.3 118.9
167 18.1 11.2 16.8#





#15
Phenanthrene
Concen: 0.767 ng/ul
RT: 17.413 min Scan# 3134
Delta R.T. 0.004 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

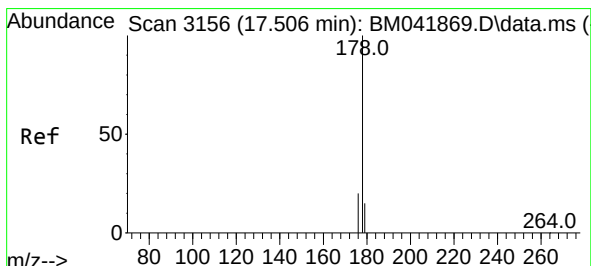
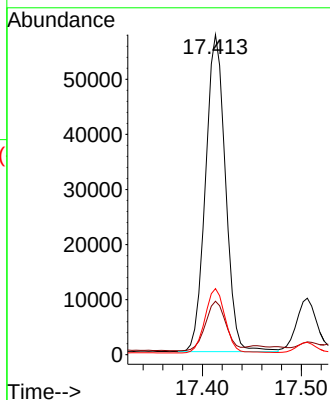
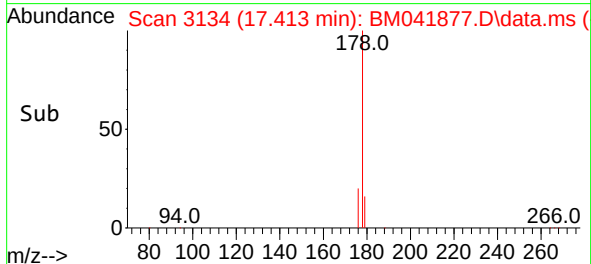
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



Tgt Ion:178 Resp: 8062
Ion Ratio Lower Upper
178 100
179 16.7 12.6 19.0
176 20.6 16.6 25.0

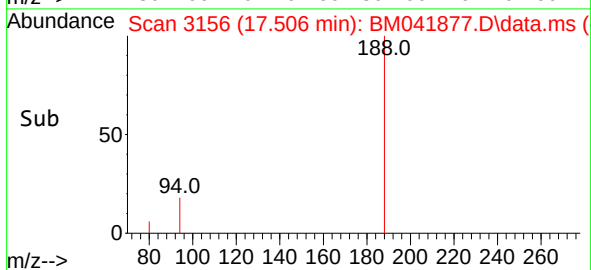
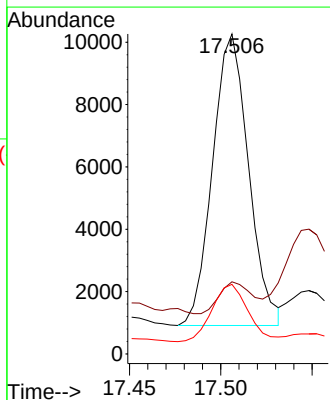
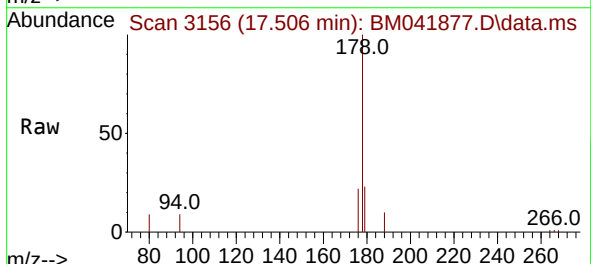
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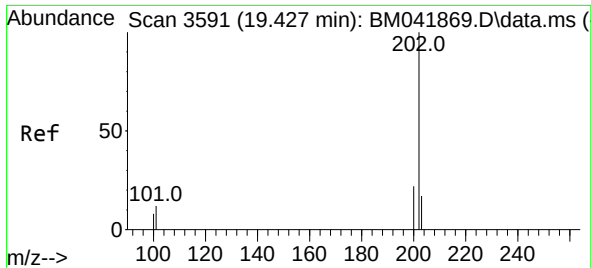
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#16
Anthracene
Concen: 0.140 ng/ul
RT: 17.506 min Scan# 3156
Delta R.T. 0.004 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

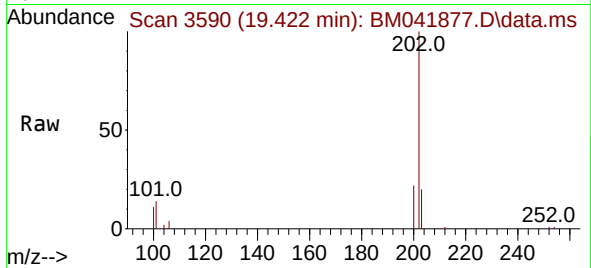
Tgt Ion:178 Resp: 12787
Ion Ratio Lower Upper
178 100
179 22.6 12.7 19.1#
176 21.7 16.1 24.1





#19
Fluoranthene
Concen: 1.221 ng/ul
RT: 19.422 min Scan# 3590
Delta R.T. 0.005 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

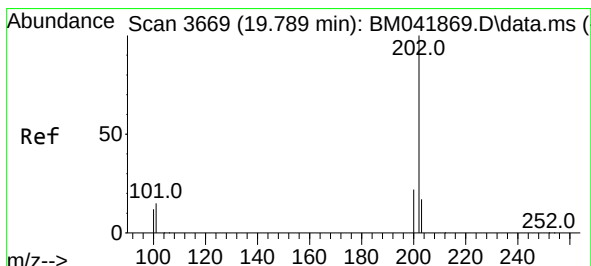
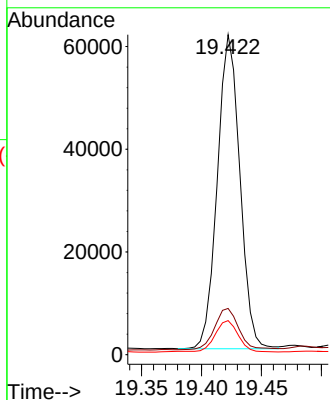
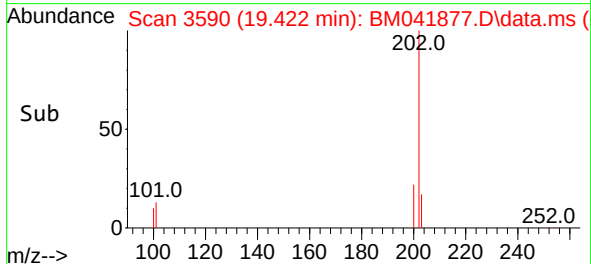
Instrument :
BNA_M
ClientSampleId :
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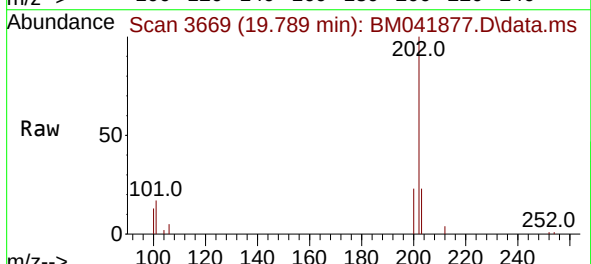
Tgt Ion:202 Resp: 80075
Ion Ratio Lower Upper
202 100
101 14.4 11.0 16.6
100 10.6 8.2 12.4

Manual Integrations
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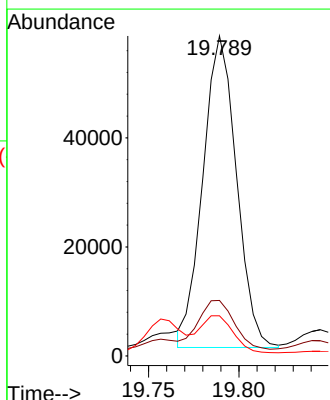
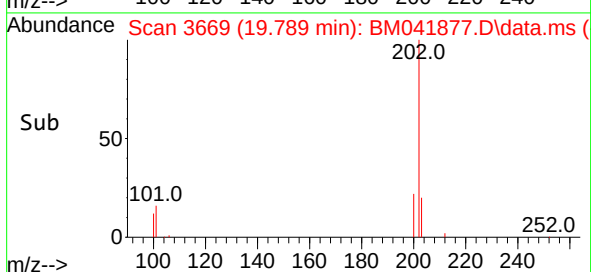
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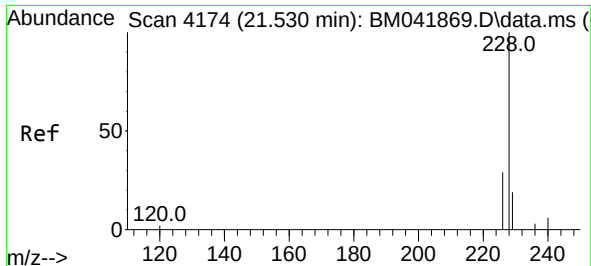


#20
Pyrene
Concen: 1.076 ng/ul m
RT: 19.789 min Scan# 3669
Delta R.T. 0.005 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07



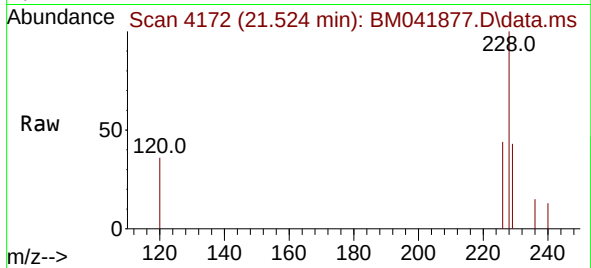
Tgt Ion:202 Resp: 73915
Ion Ratio Lower Upper
202 100
101 17.4 12.6 19.0
100 12.5 9.9 14.9





#21
Benzo(a)anthracene
Concen: 0.400 ng/ul
RT: 21.524 min Scan# 4172
Delta R.T. 0.003 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

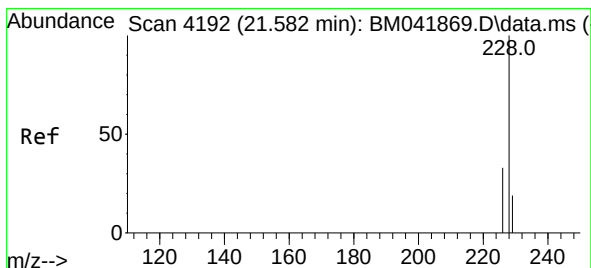
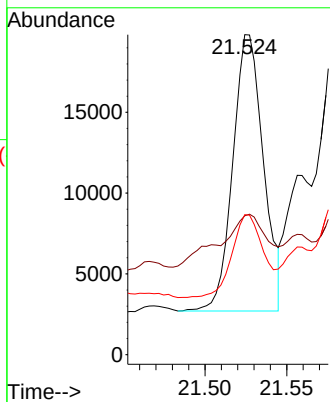
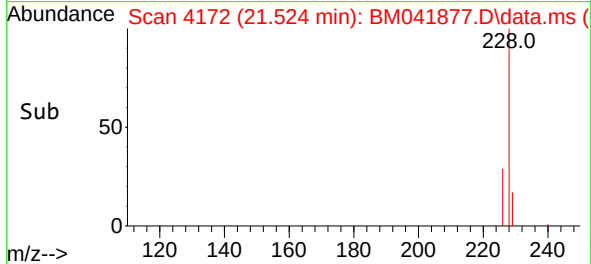
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



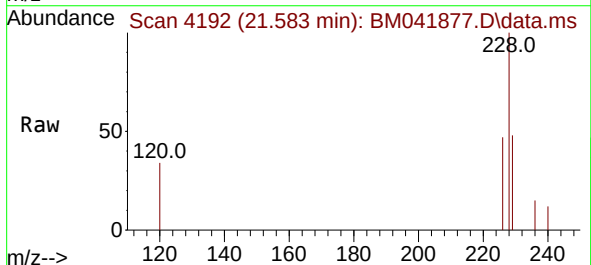
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Ion Ratio Lower Upper
228 100
229 43.4 15.8 23.8
226 43.8 24.3 36.5

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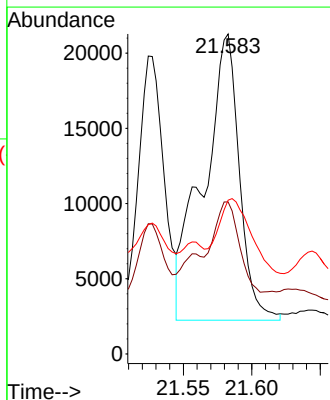
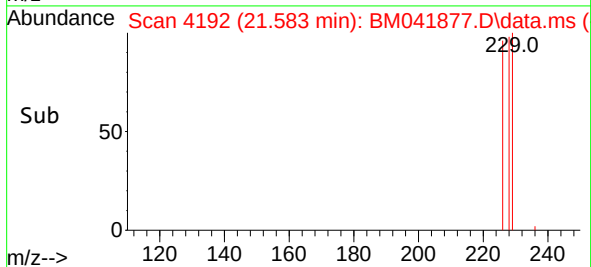
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

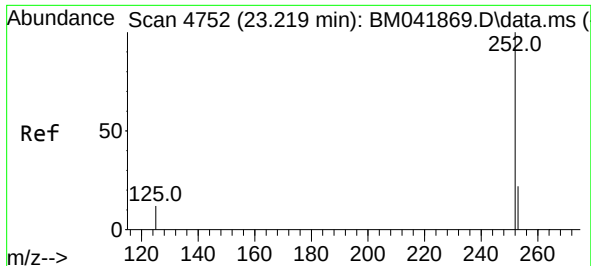


#22
Chrysene
Concen: 0.607 ng/ul m
RT: 21.583 min Scan# 4192
Delta R.T. 0.006 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07



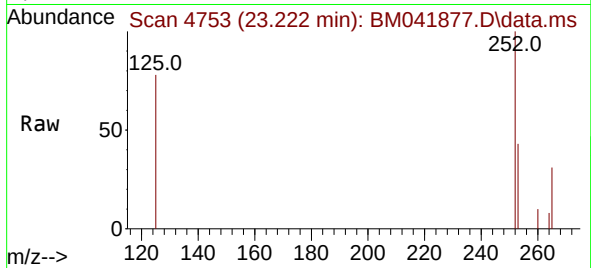
Tgt Ion:228 Resp: 34738
Ion Ratio Lower Upper
228 100
226 47.5 27.0 40.4#
229 48.1 15.7 23.5#





#24
Benzo(b)fluoranthene
Concen: 0.554 ng/ul
RT: 23.222 min Scan# 4753
Delta R.T. 0.015 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

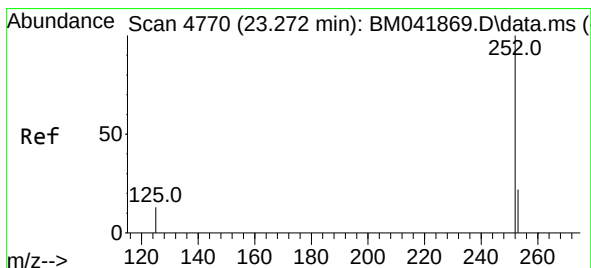
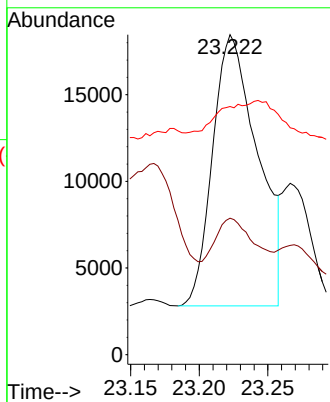
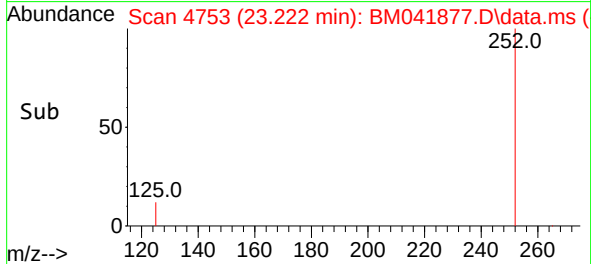
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



Tgt Ion:252 Resp: 3581
Ion Ratio Lower Upper
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253 42.6 0.0 51.0
125 77.5 0.0 39.8

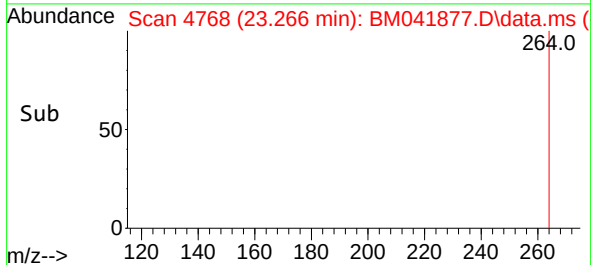
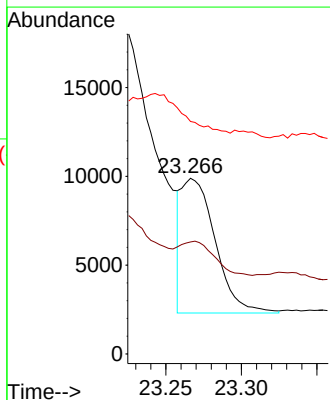
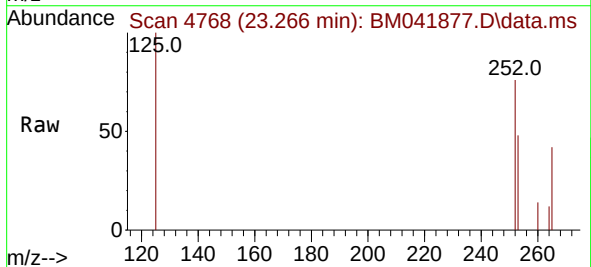
Manual Integrations
APPROVED

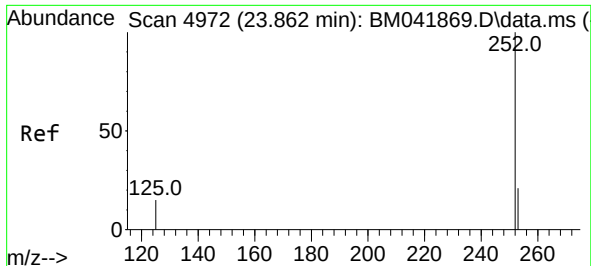
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#25
Benzo(k)fluoranthene
Concen: 0.198 ng/ul m
RT: 23.266 min Scan# 4768
Delta R.T. 0.006 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

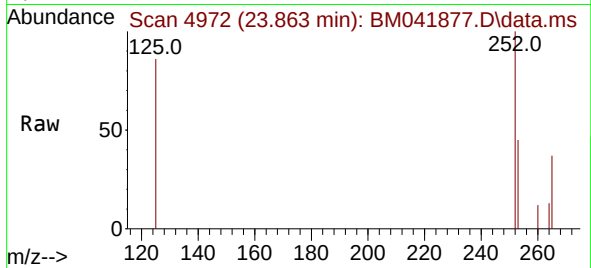
Tgt Ion:252 Resp: 11769
Ion Ratio Lower Upper
252 100
253 63.7 20.2 30.2#
125 132.3 15.8 23.8#





#26
Benzo(a)pyrene
Concen: 0.496 ng/ul
RT: 23.863 min Scan# 4972
Delta R.T. 0.018 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

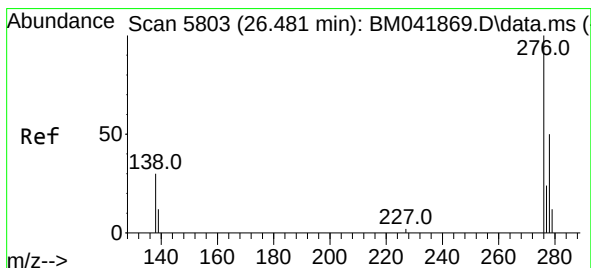
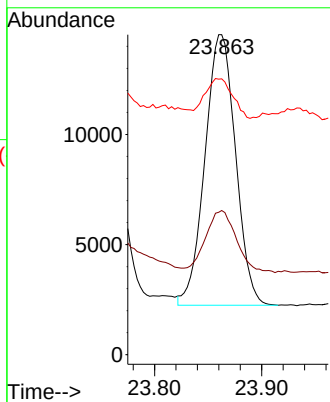
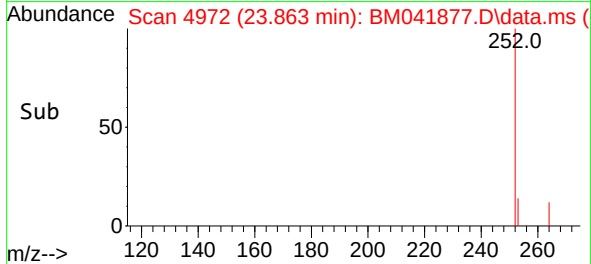
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



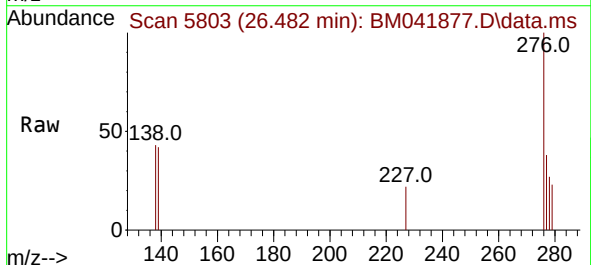
Tgt Ion:252 Resp: 2442
Ion Ratio Lower Upper
252 100
253 45.0 21.8 32.8
125 86.2 18.8 28.2

Manual Integrations
APPROVED

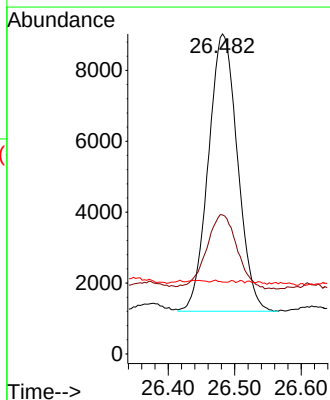
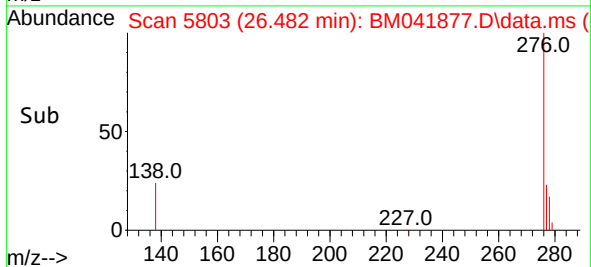
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

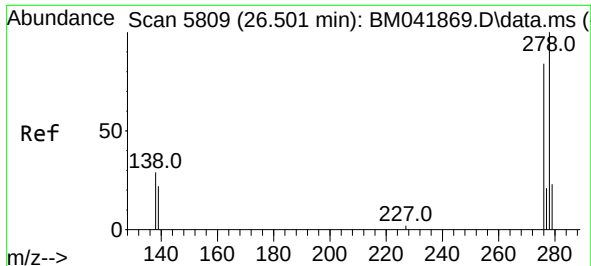


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.315 ng/ul
RT: 26.482 min Scan# 5803
Delta R.T. 0.027 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07



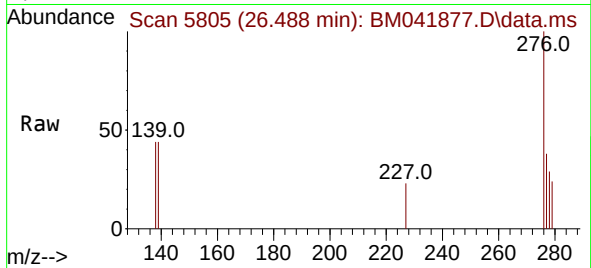
Tgt Ion:276 Resp: 23844
Ion Ratio Lower Upper
276 100
138 27.8 27.7 41.5
227 0.3 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.108 ng/ul
RT: 26.488 min Scan# 5809
Delta R.T. 0.013 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07

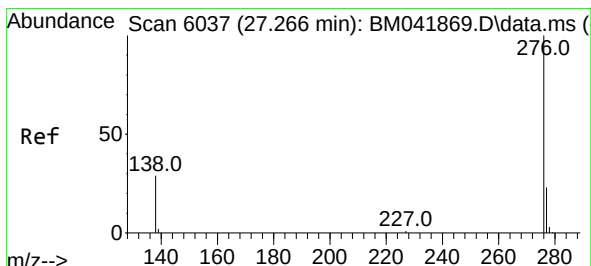
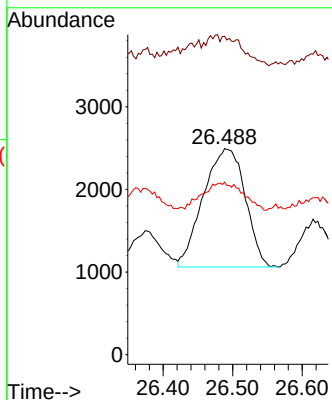
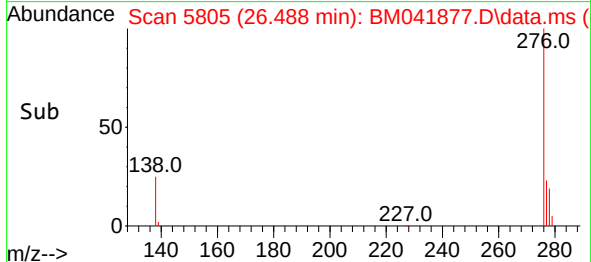
Instrument :
BNA_M
ClientSampleId :
EZYD2DL



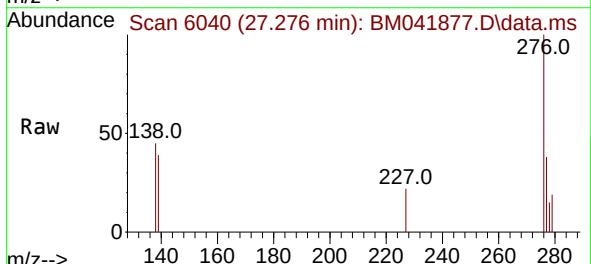
Tgt Ion:278 Resp: 6008
Ion Ratio Lower Upper
278 100
139 154.5 20.9 31.3#
279 83.7 20.3 30.5#

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.386 ng/ul
RT: 27.276 min Scan# 6040
Delta R.T. 0.040 min
Lab File: BM041877.D
Acq: 14 Sep 2023 23:07



Tgt Ion:276 Resp: 24713
Ion Ratio Lower Upper
276 100
138 44.9 24.7 37.1#
277 38.4 19.3 28.9#

