

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043116.D
 Acq On : 01 Dec 2023 10:34
 Operator : MA/JU
 Sample : 05459-17
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023

Quant Time: Dec 01 23:18:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	1143m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.600	136	3123	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.445	164	1604m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.199	188	3311	0.400	ng/ul	-0.03
17) Chrysene-d12	21.391	240	3181	0.400	ng/ul	#-0.02
23) Perylene-d12	23.736	264	3095m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1635	0.932	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.200	152	769	0.184	ng/ul	-0.03
18) Fluoranthene-d10	19.228	212	1732	0.149	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.655	128	4358	0.513	ng/ul#	88
7) 2-Methylnaphthalene	12.271	142	2601	0.520	ng/ul	97
8) 1-Methylnaphthalene	12.486	142	2339	0.419	ng/ul	96
10) Acenaphthylene	14.177	152	1566	0.191	ng/ul#	94
11) Acenaphthene	14.510	153	5278	0.851	ng/ul	96
12) Fluorene	15.500	166	4053	0.636	ng/ul	98
15) Phenanthrene	17.241	178	148165m	15.682	ng/ul	
16) Anthracene	17.334	178	40675	4.544	ng/ul#	90
19) Fluoranthene	19.261	202	330304	18.315	ng/ul#	90
20) Pyrene	19.628	202	291945	15.223	ng/ul#	91
21) Benzo(a)anthracene	21.374	228	147649	14.305	ng/ul	94
22) Chrysene	21.427	228	118806	6.181	ng/ul	97
24) Benzo(b)fluoranthene	23.011	252	158192	15.146	ng/ul	79
25) Benzo(k)fluoranthene	23.060	252	63537m	4.417	ng/ul	
26) Benzo(a)pyrene	23.627	252	115196	10.106	ng/ul#	68
27) Indeno(1,2,3-cd)pyrene	26.165	276	84468	5.476	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.178	278	19427m	1.628	ng/ul	
29) Benzo(g,h,i)perylene	26.930	276	56328	3.753	ng/ul#	89

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

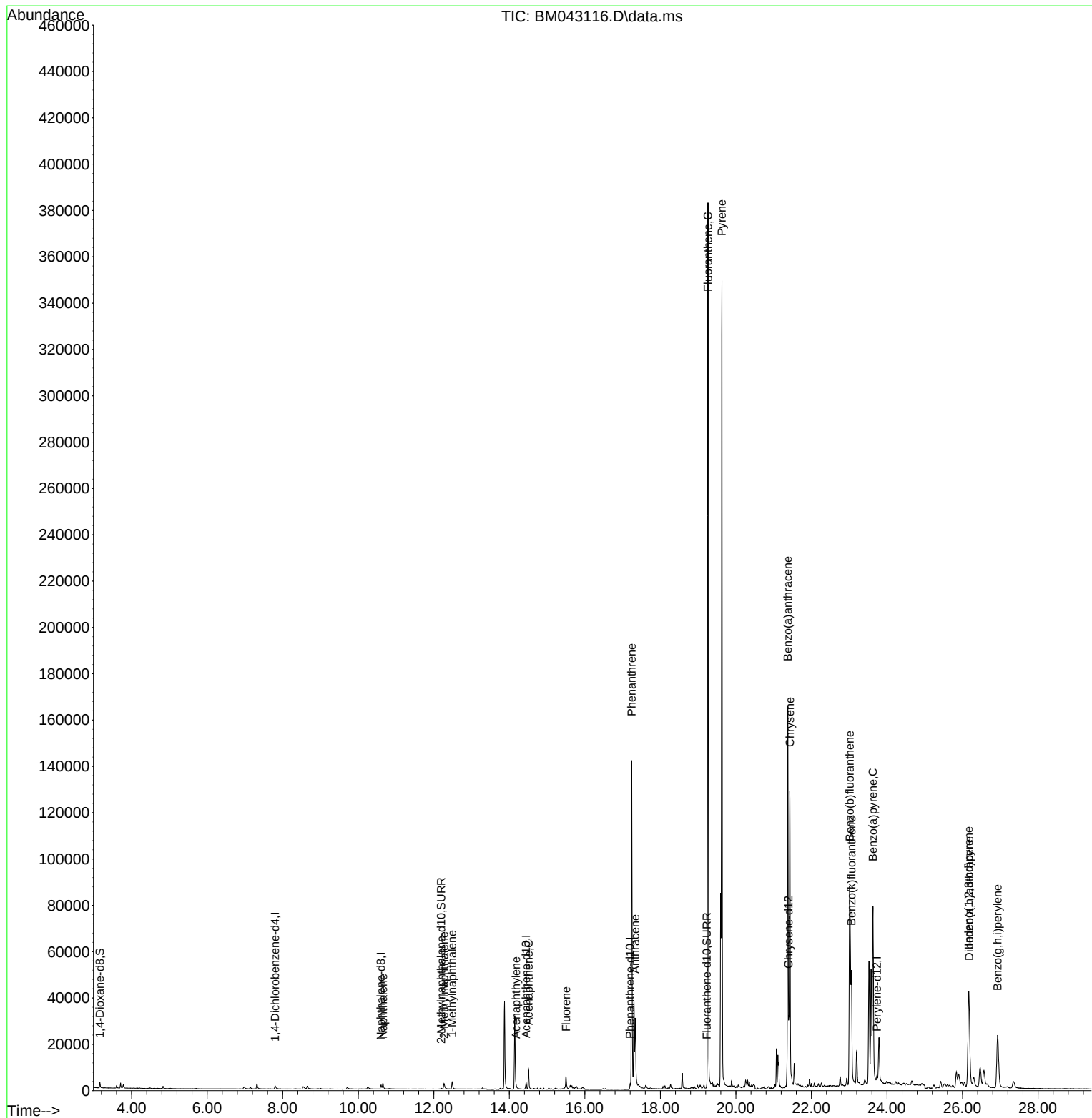
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043116.D
Acq On : 01 Dec 2023 10:34
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ALS Vial : 33 Sample Multiplier: 1

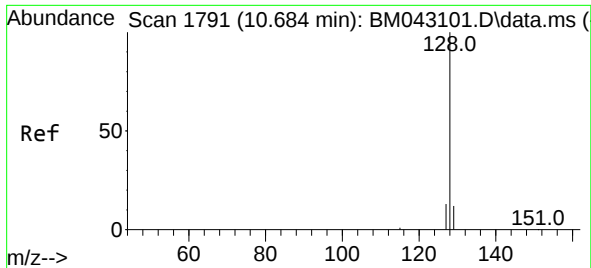
Instrument :
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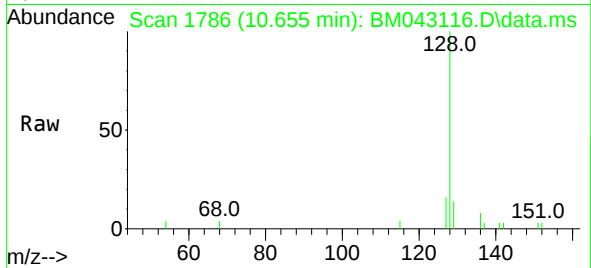
Quant Time: Dec 01 23:18:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
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#5
Naphthalene
Concen: 0.513 ng/ul
RT: 10.655 min Scan# 1786
Delta R.T. -0.034 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

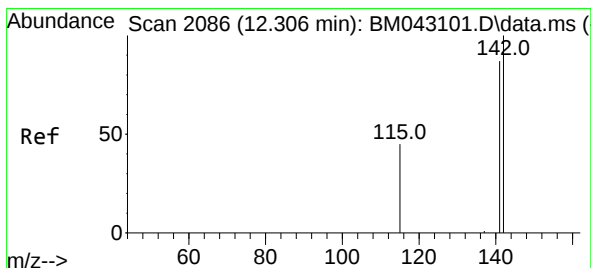
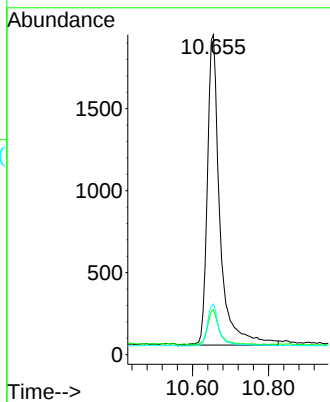
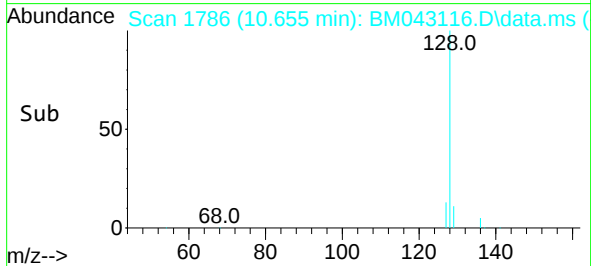
Instrument :
BNA_M
ClientSampleId :
C0AA5



Tgt Ion:128 Resp: 4358
Ion Ratio Lower Upper
128 100
129 14.0 16.0 24.0
127 15.8 16.5 24.7

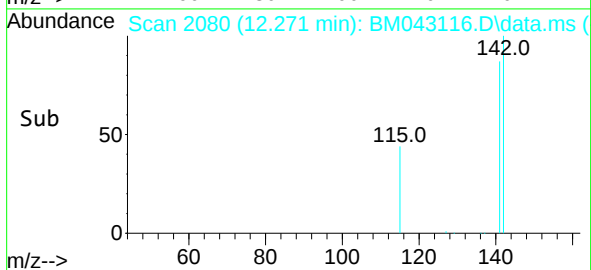
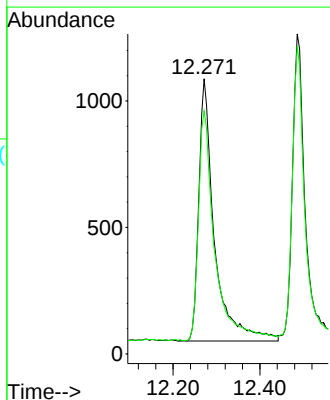
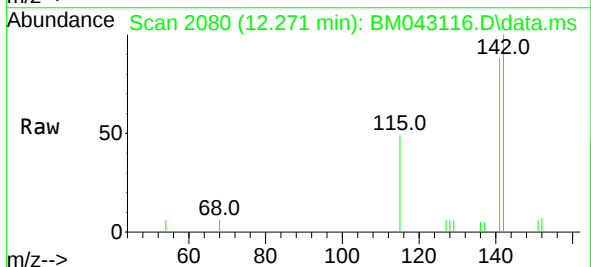
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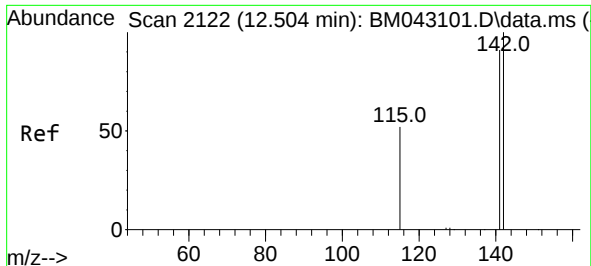
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#7
2-Methylnaphthalene
Concen: 0.520 ng/ul
RT: 12.271 min Scan# 2080
Delta R.T. -0.040 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

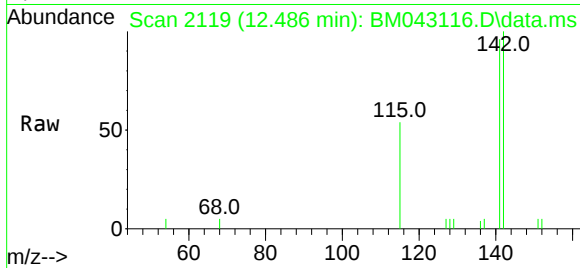
Tgt Ion:142 Resp: 2601
Ion Ratio Lower Upper
142 100
141 91.9 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.419 ng/ul
RT: 12.486 min Scan# 2122
Delta R.T. -0.023 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

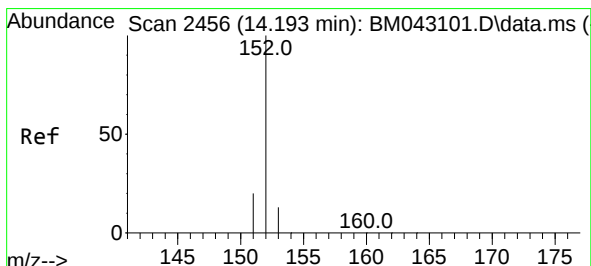
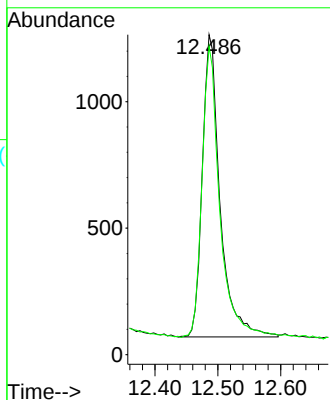
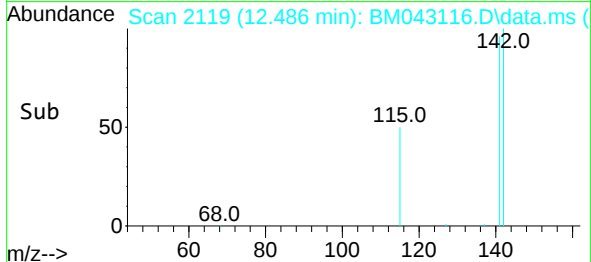
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Tgt Ion:142 Resp: 2339
Ion Ratio Lower Upper
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141 96.5 73.8 110.8

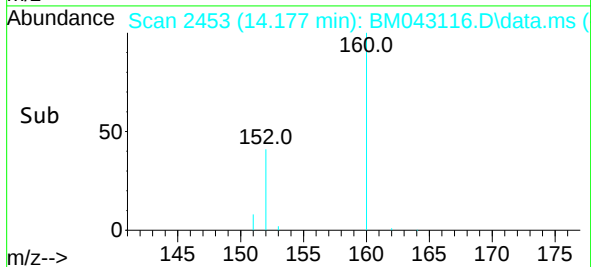
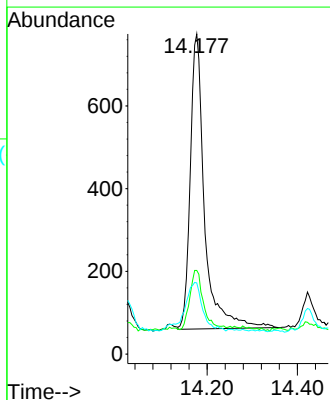
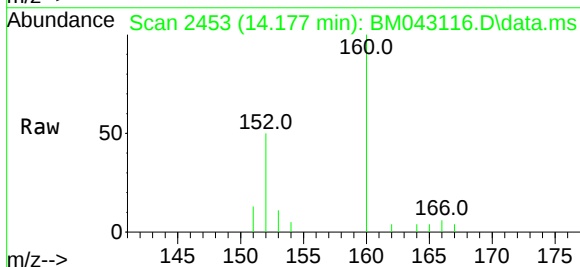
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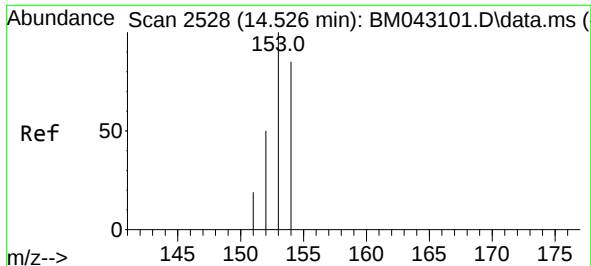
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#10
Acenaphthylene
Concen: 0.191 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.020 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

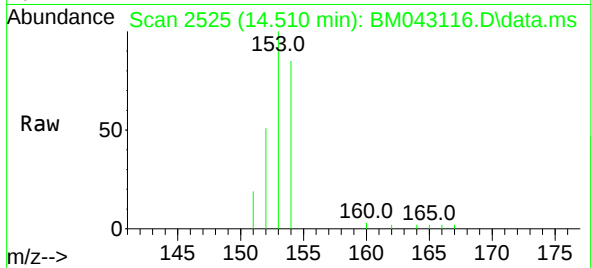
Tgt Ion:152 Resp: 1566
Ion Ratio Lower Upper
152 100
151 26.1 19.4 29.0
153 22.2 14.6 21.8#





#11
Acenaphthene
Concen: 0.851 ng/ul
RT: 14.510 min Scan# 21
Delta R.T. -0.015 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

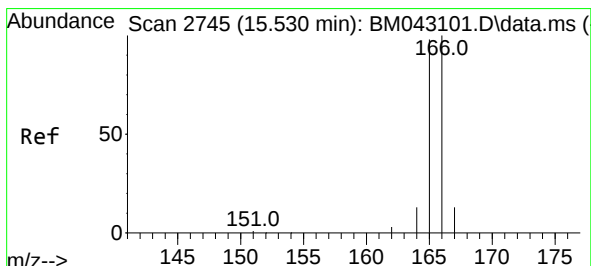
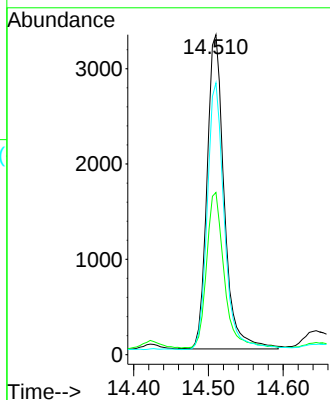
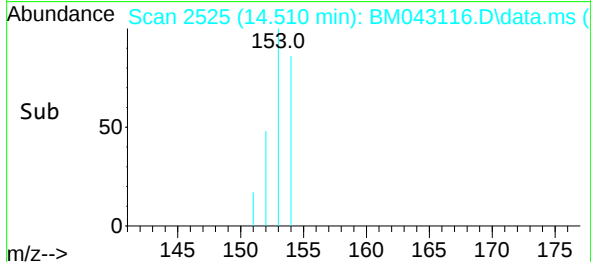
Instrument :
BNA_M
ClientSampleId :
C0AA5



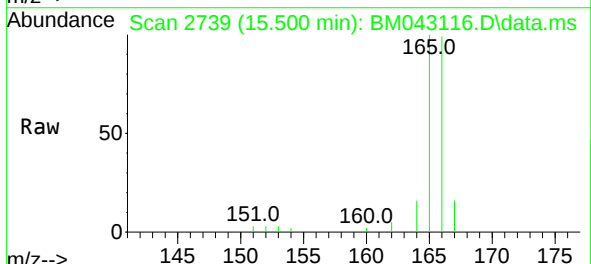
Tgt Ion:153 Resp: 5278
Ion Ratio Lower Upper
153 100
152 50.7 43.9 65.9
154 84.9 70.6 105.8

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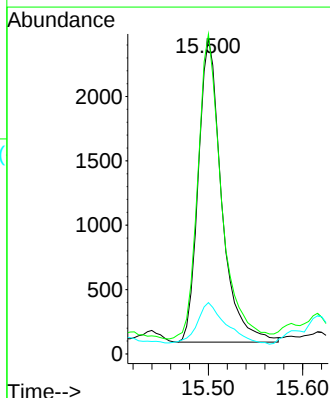
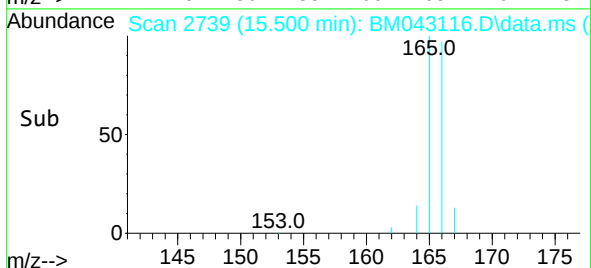
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

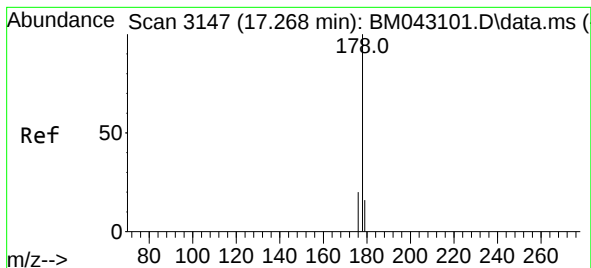


#12
Fluorene
Concen: 0.636 ng/ul
RT: 15.500 min Scan# 2739
Delta R.T. -0.034 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34



Tgt Ion:166 Resp: 4053
Ion Ratio Lower Upper
166 100
165 101.3 79.9 119.9
167 16.3 14.2 21.4





#15

Phenanthrene

Concen: 15.682 ng/ul m

RT: 17.241 min Scan# 3141

Delta R.T. -0.031 min

Lab File: BM043116.D

Acq: 01 Dec 2023 10:34

Instrument :

BNA_M

ClientSampleId :

C0AA5

Tgt Ion:178 Resp: 14816

Ion Ratio Lower Upper

178 100

179 15.4 15.7 23.5

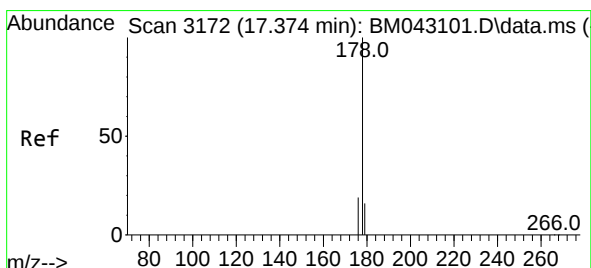
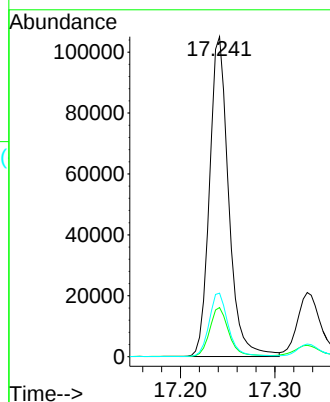
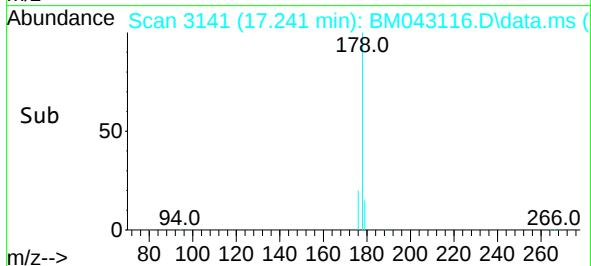
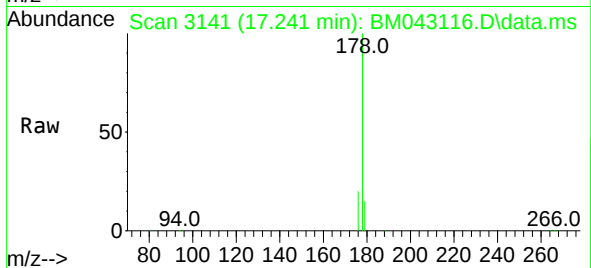
176 19.9 18.9 28.3

Manual Integrations

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Supervised By :mohammad ahmed 12/04/2023



#16

Anthracene

Concen: 4.544 ng/ul

RT: 17.334 min Scan# 3163

Delta R.T. -0.043 min

Lab File: BM043116.D

Acq: 01 Dec 2023 10:34

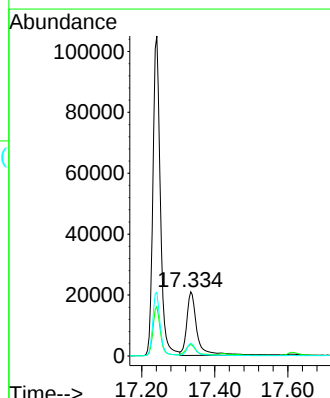
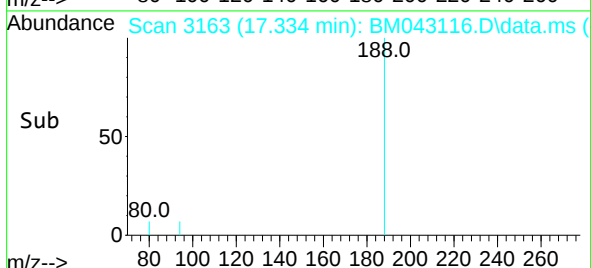
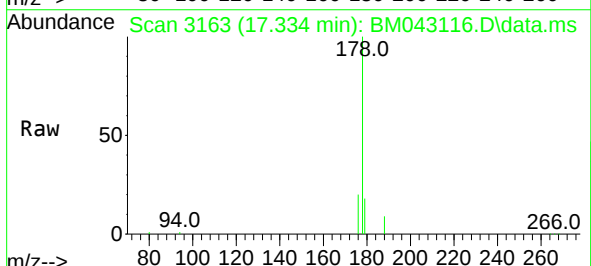
Tgt Ion:178 Resp: 40675

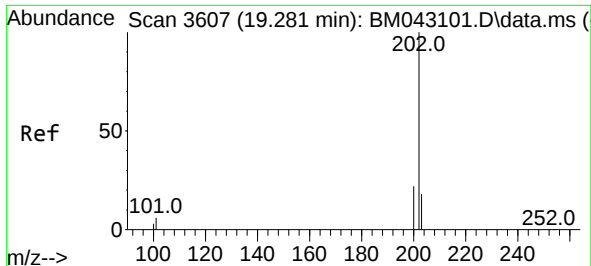
Ion Ratio Lower Upper

178 100

179 17.6 17.3 25.9

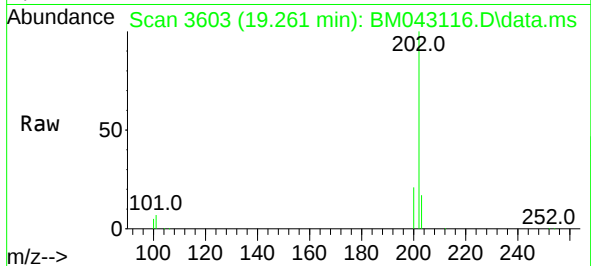
176 19.6 20.5 30.7#





#19
Fluoranthene
Concen: 18.315 ng/u1
RT: 19.261 min Scan# 3603
Delta R.T. -0.020 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

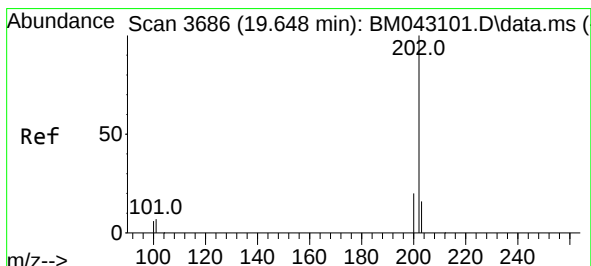
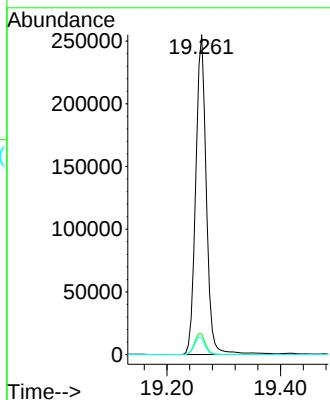
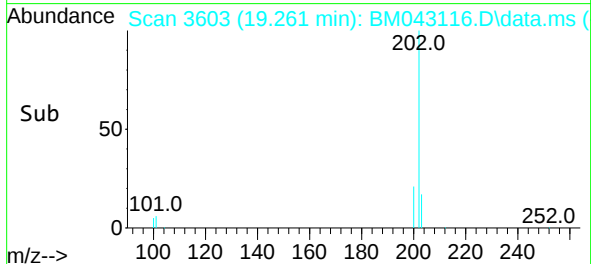
Instrument :
BNA_M
ClientSampleId :
C0AA5



Tgt Ion:202 Resp: 330304
Ion Ratio Lower Upper
202 100
101 6.5 7.8 11.8#
100 5.2 7.1 10.7#

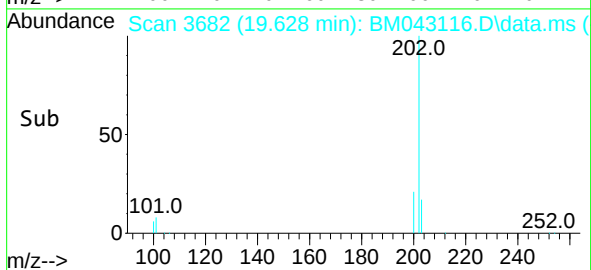
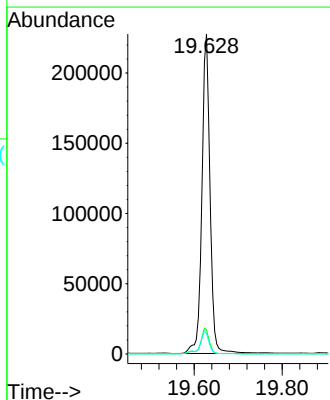
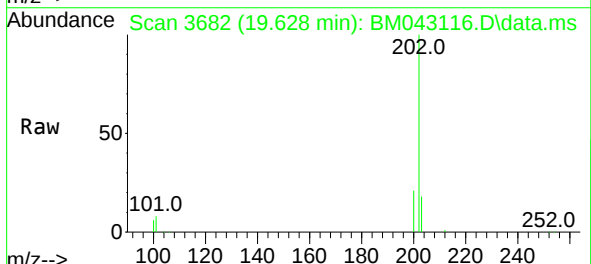
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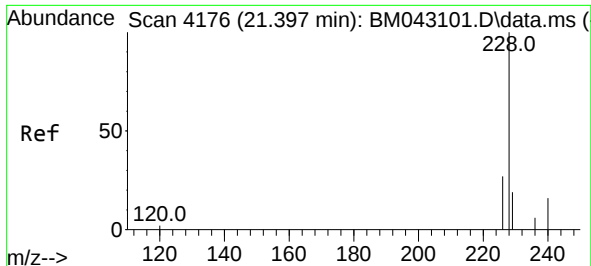
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#20
Pyrene
Concen: 15.223 ng/u1
RT: 19.628 min Scan# 3682
Delta R.T. -0.020 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

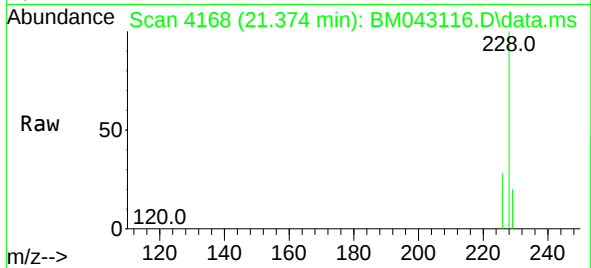
Tgt Ion:202 Resp: 291945
Ion Ratio Lower Upper
202 100
101 7.6 8.7 13.1#
100 6.3 7.8 11.8#





#21
Benzo(a)anthracene
Concen: 14.305 ng/u1
RT: 21.374 min Scan# 4116
Delta R.T. -0.026 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

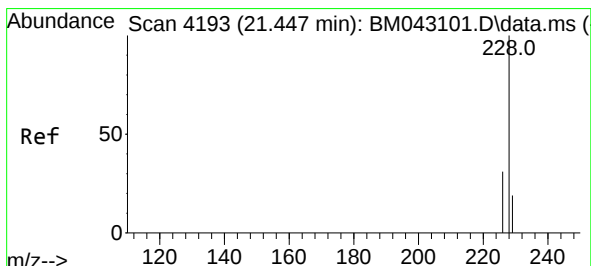
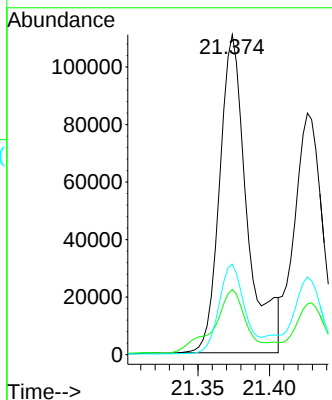
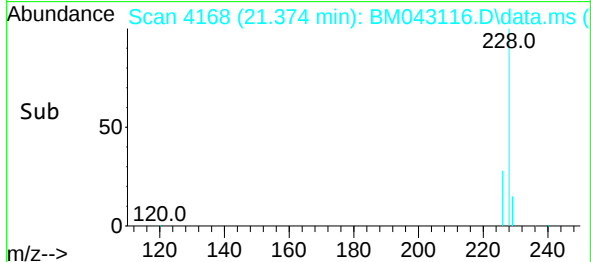
Instrument :
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ClientSampleId :
C0AA5



Tgt Ion:228 Resp: 147649
Ion Ratio Lower Upper
228 100
229 20.4 19.4 29.0
226 28.3 24.9 37.3

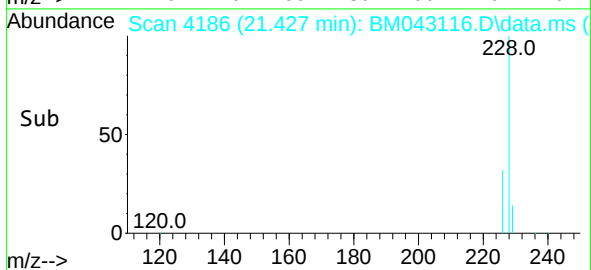
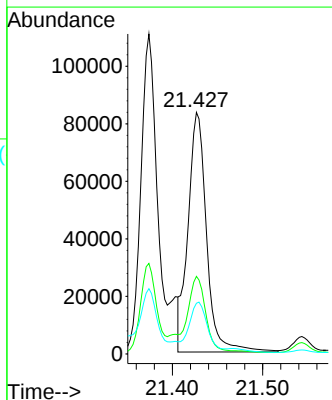
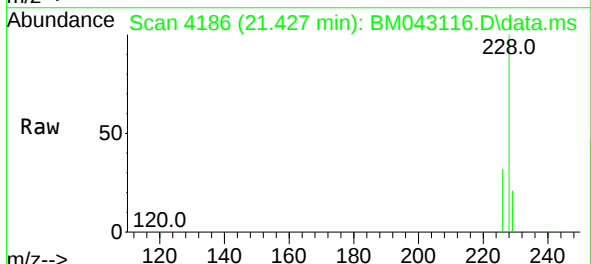
Manual Integrations
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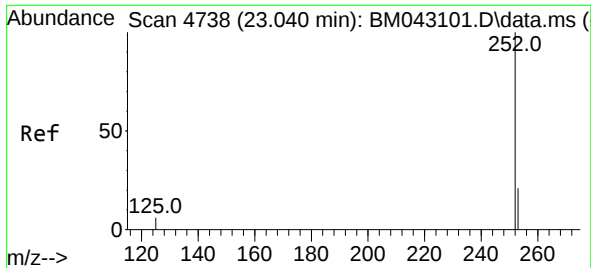
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#22
Chrysene
Concen: 6.181 ng/u1
RT: 21.427 min Scan# 4186
Delta R.T. -0.023 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

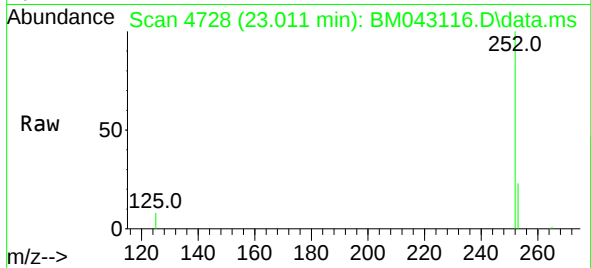
Tgt Ion:228 Resp: 118806
Ion Ratio Lower Upper
228 100
226 32.1 27.2 40.8
229 21.0 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 15.146 ng/ul
RT: 23.011 min Scan# 4728
Delta R.T. -0.026 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

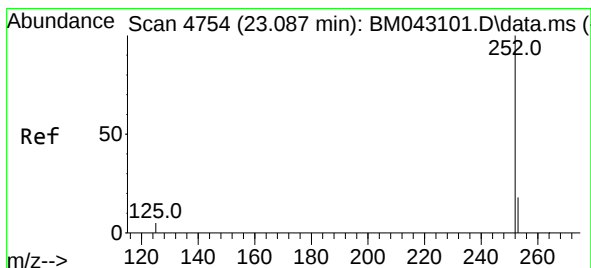
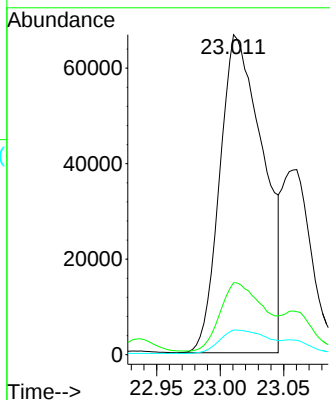
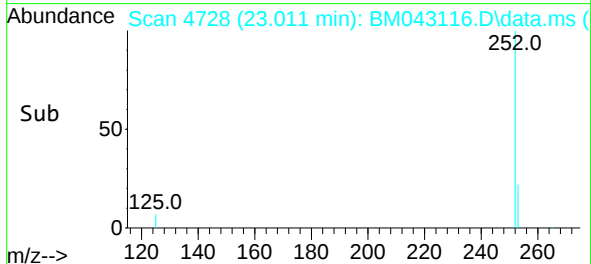
Instrument :
BNA_M
ClientSampleId :
C0AA5



Tgt Ion:252 Resp: 15819
Ion Ratio Lower Upper
252 100
253 22.5 0.0 71.8
125 7.7 0.0 29.0

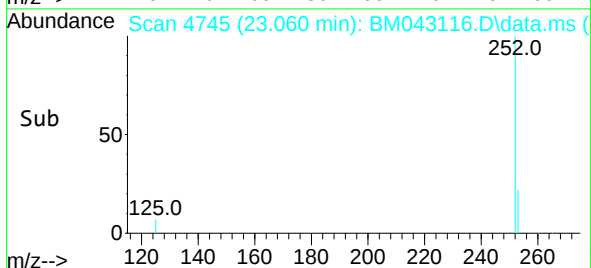
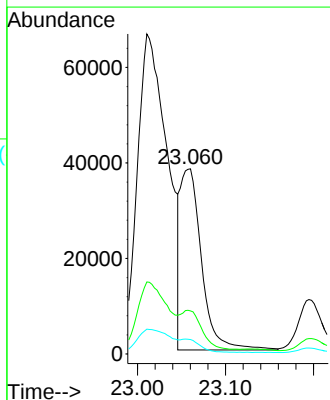
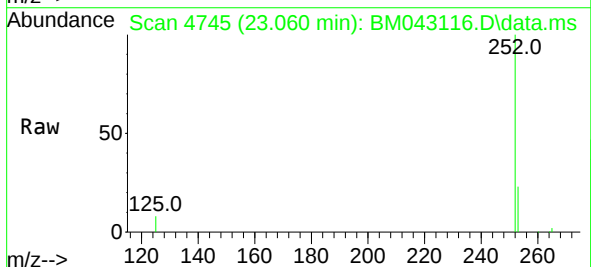
Manual Integrations
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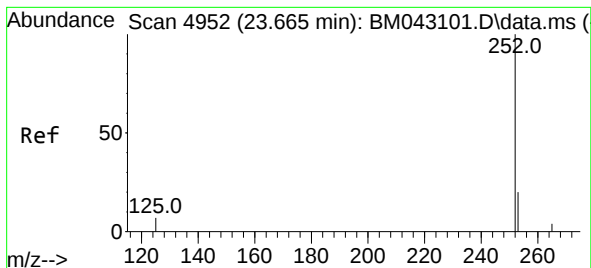
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#25
Benzo(k)fluoranthene
Concen: 4.417 ng/ul m
RT: 23.060 min Scan# 4745
Delta R.T. -0.029 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

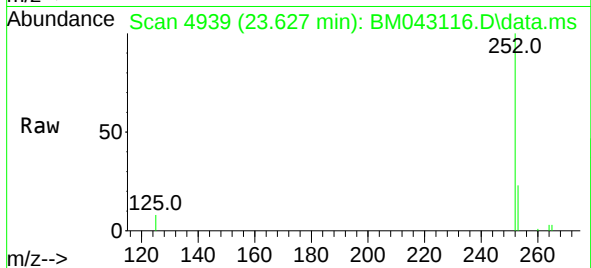
Tgt Ion:252 Resp: 63537
Ion Ratio Lower Upper
252 100
253 23.3 28.2 42.2#
125 7.8 11.0 16.6#





#26
Benzo(a)pyrene
Concen: 10.106 ng/ul
RT: 23.627 min Scan# 4952
Delta R.T. -0.040 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

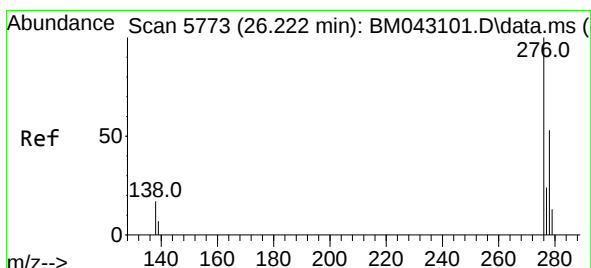
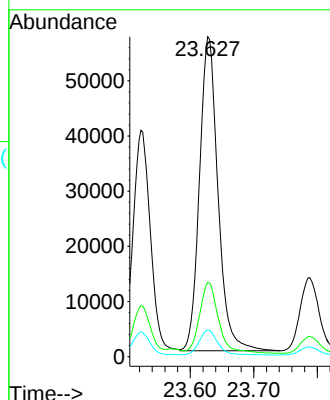
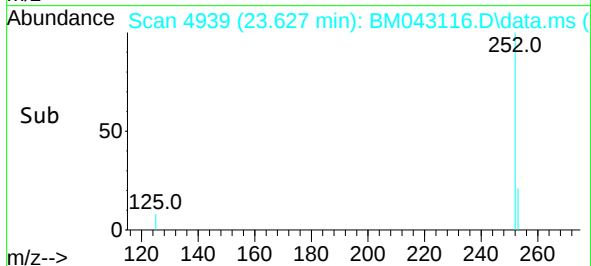
Instrument :
BNA_M
ClientSampleId :
C0AA5



Tgt Ion:252 Resp: 115190
Ion Ratio Lower Upper
252 100
253 23.2 36.6 55.0#
125 8.3 16.2 24.4#

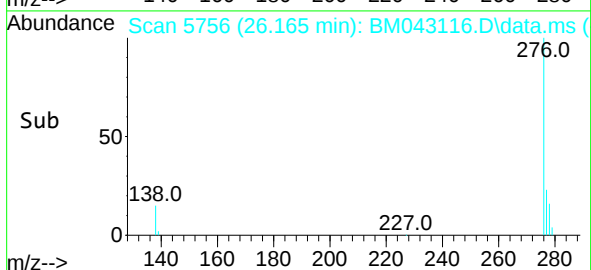
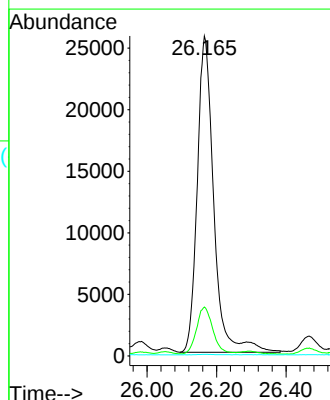
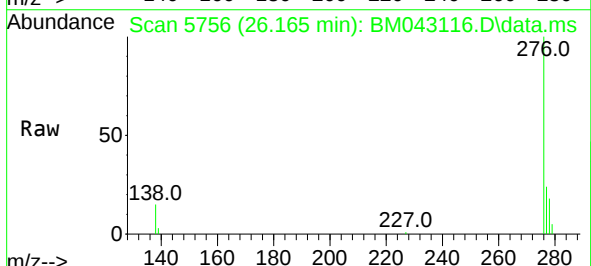
Manual Integrations
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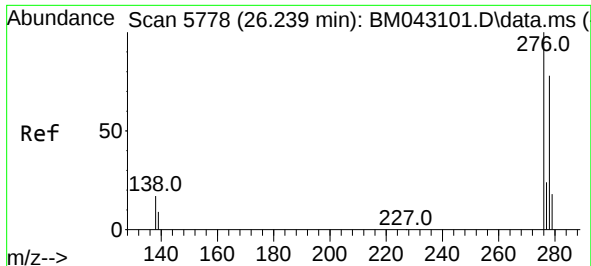
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.476 ng/ul
RT: 26.165 min Scan# 5756
Delta R.T. -0.063 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

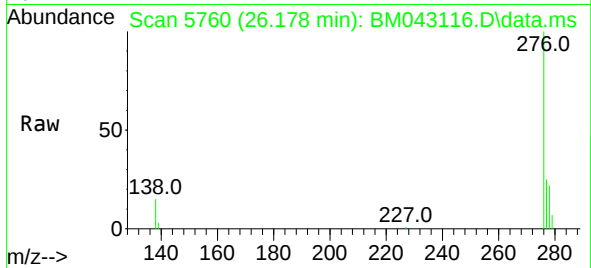
Tgt Ion:276 Resp: 84468
Ion Ratio Lower Upper
276 100
138 14.7 0.0 0.0#
227 0.2 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 1.628 ng/ul m
RT: 26.178 min Scan# 51
Delta R.T. -0.070 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

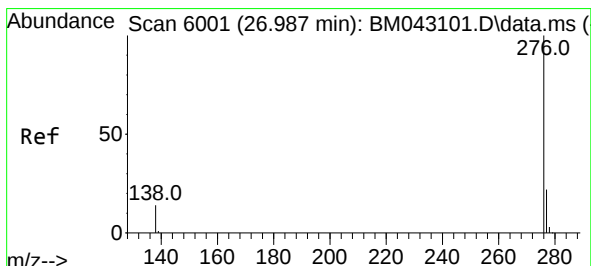
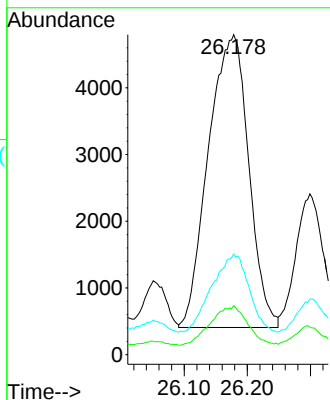
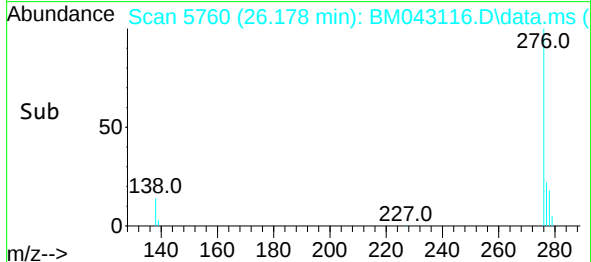
Instrument :
BNA_M
ClientSampleId :
C0AA5



Tgt Ion:278 Resp: 1942
Ion Ratio Lower Upper
278 100
139 15.3 18.1 27.1
279 31.4 34.4 51.6

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Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#29
Benzo(g,h,i)perylene
Concen: 3.753 ng/ul
RT: 26.930 min Scan# 5984
Delta R.T. -0.057 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion:276 Resp: 56328
Ion Ratio Lower Upper
276 100
138 16.3 17.8 26.8
277 24.5 23.8 35.8

