

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031224\
 Data File : BM044586.D
 Acq On : 12 Mar 2024 10:42
 Operator : MA/JU
 Sample : P1601-02
 Misc : SFAM-SIM-MDL-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2024-02

Quant Time: Mar 12 11:12:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM031124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 14:02:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024
 Supervised By :mohammad ahmed 03/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.723	152	5487	0.400	ng/ul	0.00
4) Naphthalene-d8	10.512	136	17695	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.368	164	10179	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.124	188	22967	0.400	ng/ul	0.00
17) Chrysene-d12	21.321	240	14111	0.400	ng/ul	0.00
23) Perylene-d12	23.577	264	14222	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.281	96	2918	0.406	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.112	152	9823	0.386	ng/ul	0.01
18) Fluoranthene-d10	19.155	212	21294	0.430	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.314	88	738m	0.100	ng/ul	
5) Naphthalene	10.561	128	3495	0.070	ng/ul#	91
7) 2-Methylnaphthalene	12.189	142	2108	0.067	ng/ul	99
8) 1-Methylnaphthalene	12.404	142	2218	0.070	ng/ul	98
10) Acenaphthylene	14.090	152	3535	0.068	ng/ul	94
11) Acenaphthene	14.432	153	2600	0.070	ng/ul	99
12) Fluorene	15.436	166	2897	0.068	ng/ul#	97
14) Pentachlorophenol	16.791	266	357	0.064	ng/ul	98
15) Phenanthrene	17.171	178	4651	0.067	ng/ul	95
16) Anthracene	17.272	178	4511m	0.070	ng/ul	
19) Fluoranthene	19.188	202	4972	0.072	ng/ul#	94
20) Pyrene	19.555	202	5081	0.072	ng/ul	97
21) Benzo(a)anthracene	21.315	228	3249	0.060	ng/ul	98
22) Chrysene	21.359	228	4317	0.072	ng/ul	98
24) Benzo(b)fluoranthene	22.902	252	3405	0.063	ng/ul#	39
25) Benzo(k)fluoranthene	22.951	252	4067	0.069	ng/ul#	49
26) Benzo(a)pyrene	23.495	252	3173	0.064	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.912	276	3721m	0.066	ng/ul	
28) Dibenzo(a,h)anthracene	25.939	278	2918m	0.067	ng/ul	
29) Benzo(g,h,i)perylene	26.576	276	3214	0.065	ng/ul#	81

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

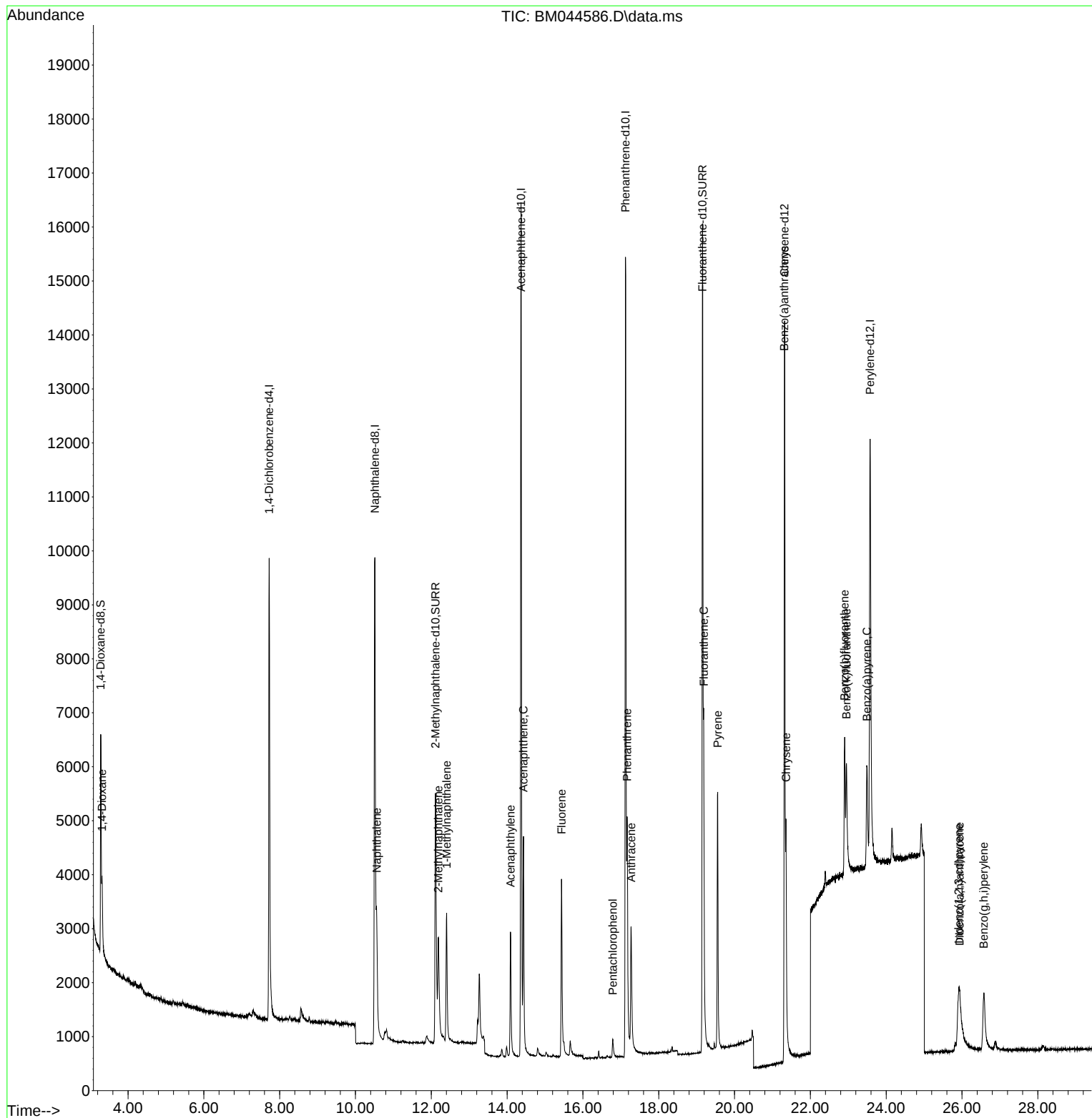
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031224\
Data File : BM044586.D
Acq On : 12 Mar 2024 10:42
Operator : MA/JU
Sample : P1601-02
Misc : SFAM-SIM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

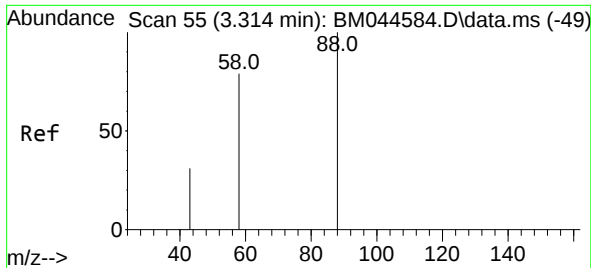
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02

Quant Time: Mar 12 11:12:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM031124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 11 14:02:17 2024
Response via : Initial Calibration

Manual Integrations
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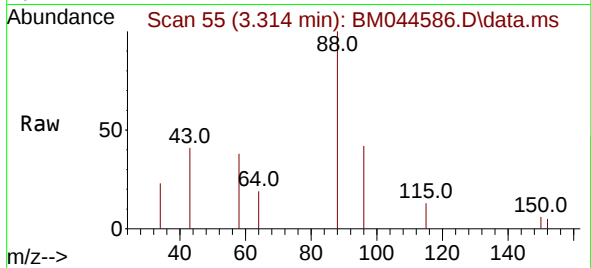
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024





#2
1,4-Dioxane
Concen: 0.100 ng/ul m
RT: 3.314 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

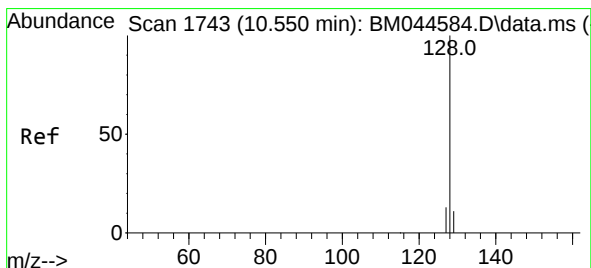
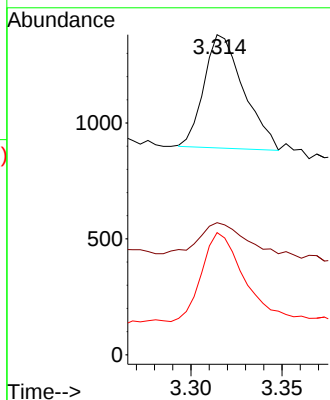
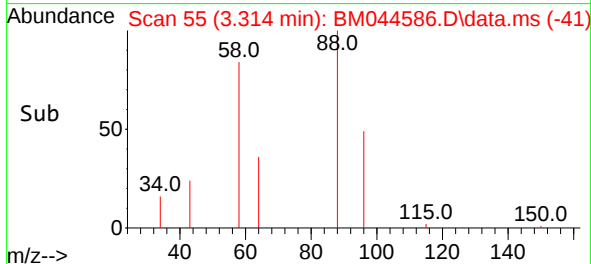
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 88 Resp: 738
Ion Ratio Lower Upper
88 100
43 41.3 21.4 32.0#
58 38.2 35.6 53.4

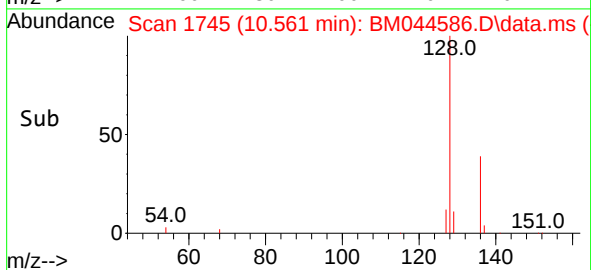
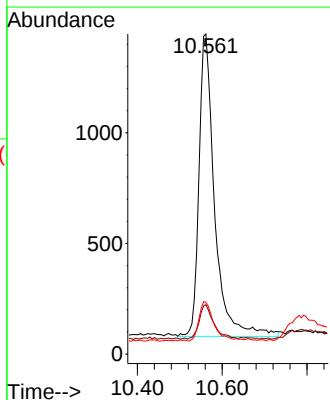
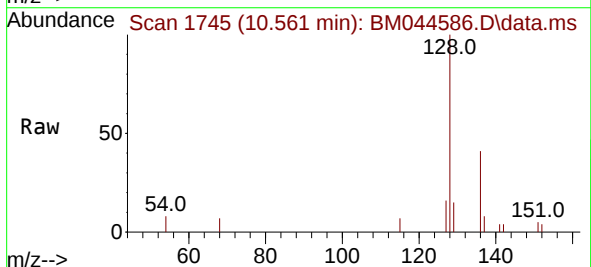
Manual Integrations
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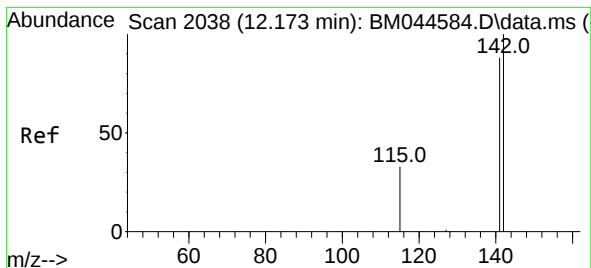
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024



#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.561 min Scan# 1745
Delta R.T. 0.005 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

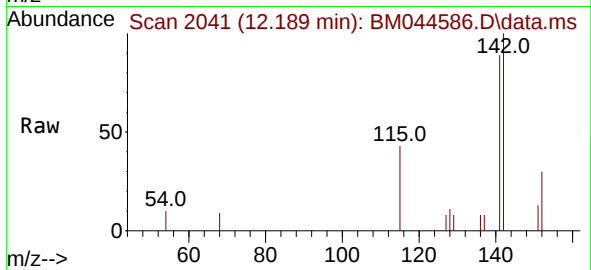
Tgt Ion:128 Resp: 3495
Ion Ratio Lower Upper
128 100
129 15.4 9.2 13.8#
127 16.2 10.3 15.5#





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.189 min Scan# 2041
Delta R.T. 0.011 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

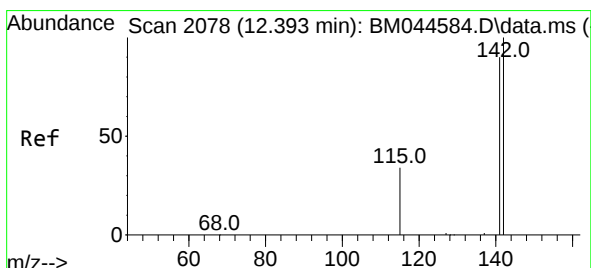
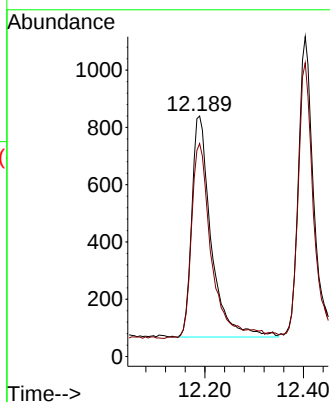
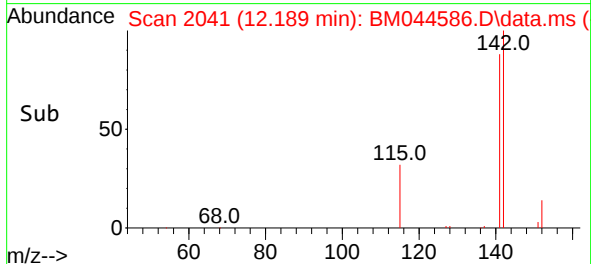
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



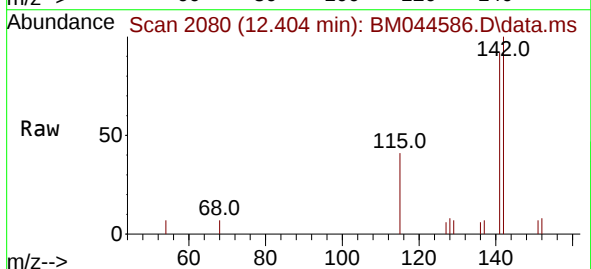
Tgt Ion:142 Resp: 2108
Ion Ratio Lower Upper
142 100
141 90.3 71.8 107.6

Manual Integrations
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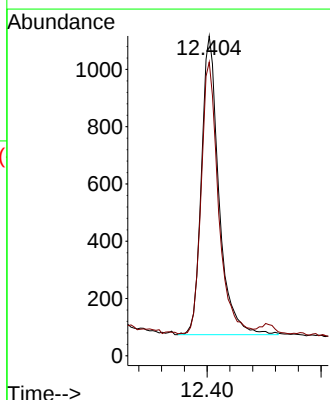
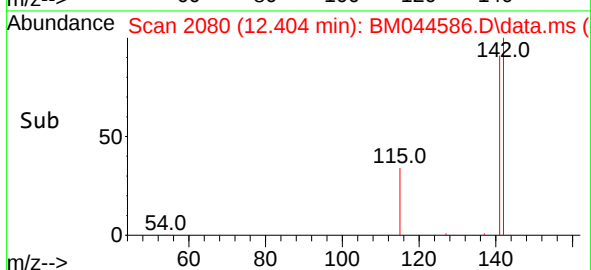
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024

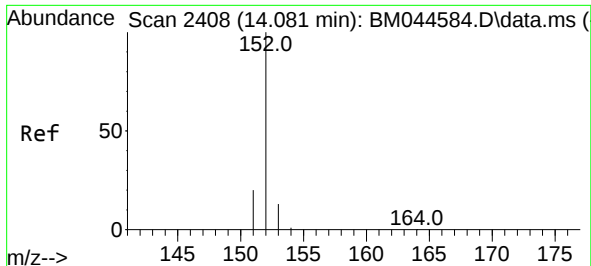


#8
1-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.404 min Scan# 2080
Delta R.T. 0.011 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42



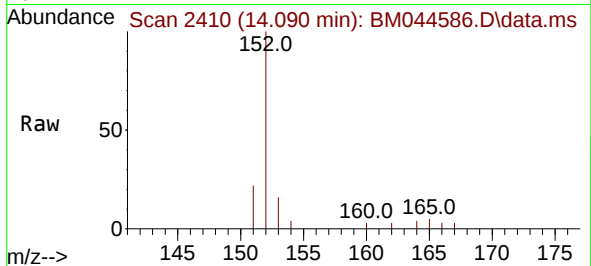
Tgt Ion:142 Resp: 2218
Ion Ratio Lower Upper
142 100
141 89.2 73.1 109.7





#10
Acenaphthylene
Concen: 0.068 ng/u1
RT: 14.090 min Scan# 2410
Delta R.T. 0.005 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

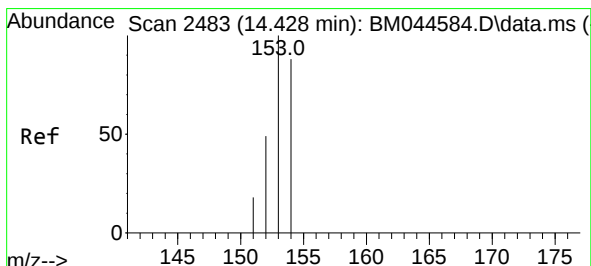
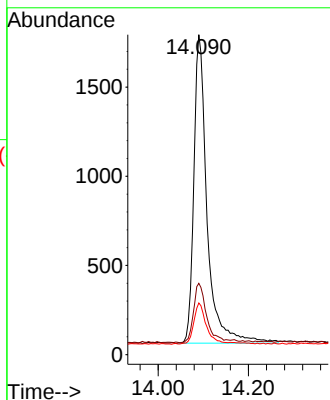
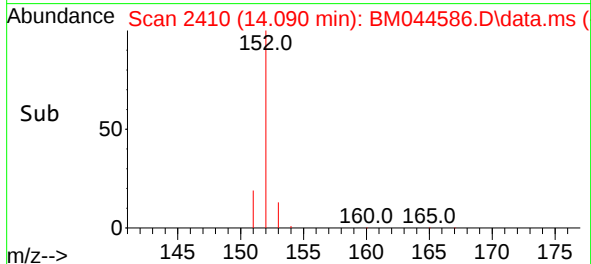
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:152 Resp: 353
Ion Ratio Lower Upper
152 100
151 22.3 15.8 23.8
153 16.2 10.8 16.2

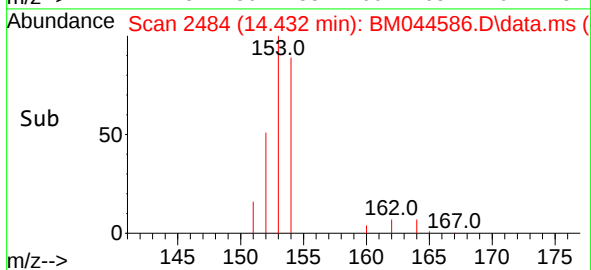
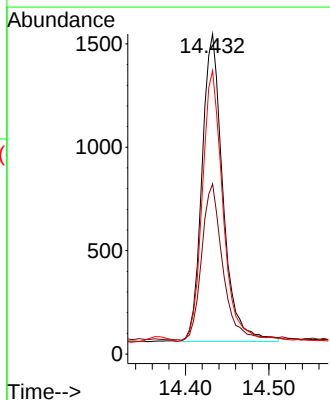
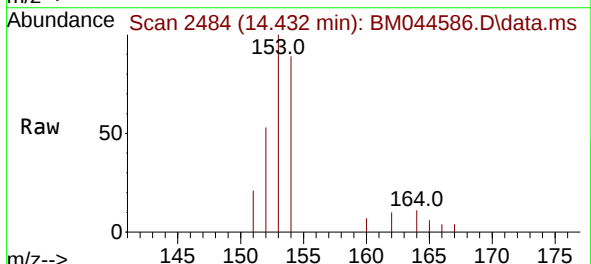
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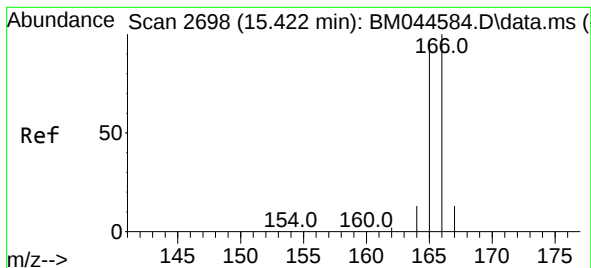
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024



#11
Acenaphthene
Concen: 0.070 ng/u1
RT: 14.432 min Scan# 2484
Delta R.T. 0.005 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

Tgt Ion:153 Resp: 2600
Ion Ratio Lower Upper
153 100
152 53.2 40.7 61.1
154 88.6 70.6 106.0





#12

Fluorene

Concen: 0.068 ng/ul

RT: 15.436 min Scan# 21

Delta R.T. 0.014 min

Lab File: BM044586.D

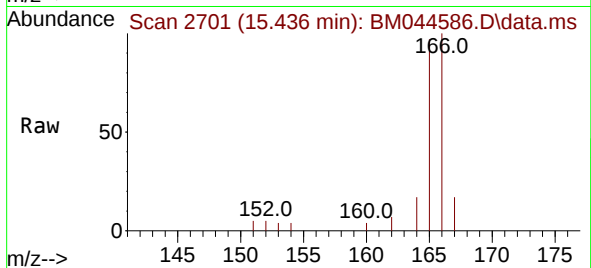
Acq: 12 Mar 2024 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2024-02

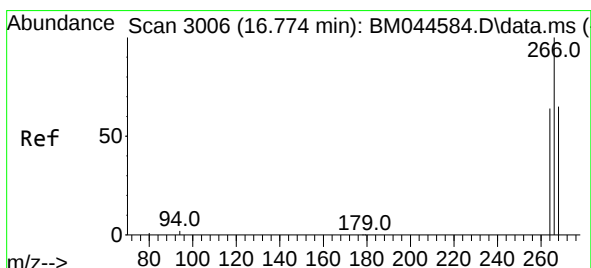
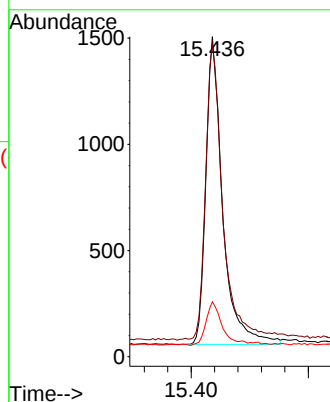
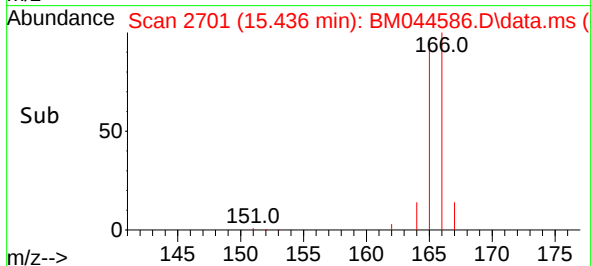


Tgt Ion:	166	Resp:	289
Ion Ratio	100	Lower	Upper
166	100		
165	97.5	79.4	119.0
167	17.2	11.0	16.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024



#14

Pentachlorophenol

Concen: 0.064 ng/ul

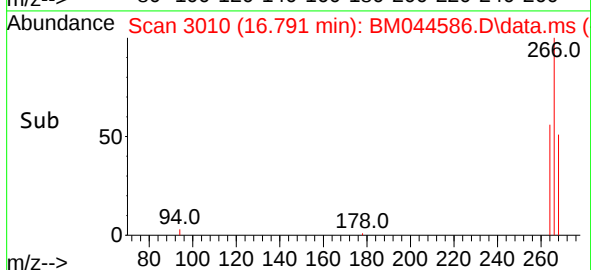
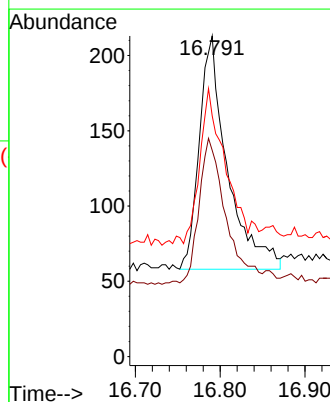
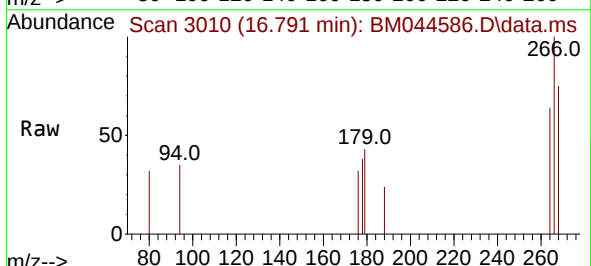
RT: 16.791 min Scan# 3010

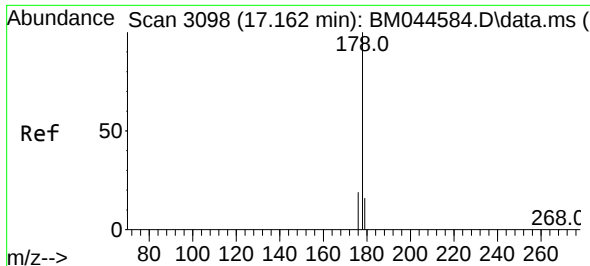
Delta R.T. 0.013 min

Lab File: BM044586.D

Acq: 12 Mar 2024 10:42

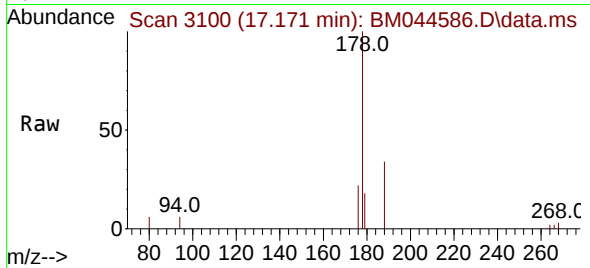
Tgt Ion:	266	Resp:	357
Ion Ratio	100	Lower	Upper
266	100		
264	62.7	49.5	74.3
268	61.6	48.1	72.1





#15
Phenanthrene
Concen: 0.067 ng/ul
RT: 17.171 min Scan# 3100
Delta R.T. 0.009 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

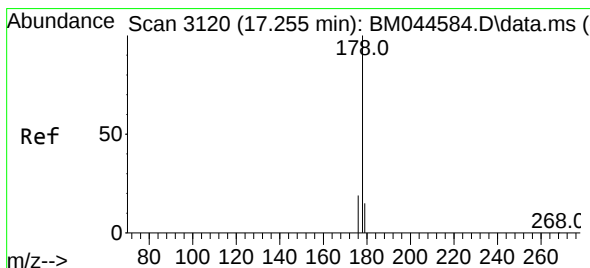
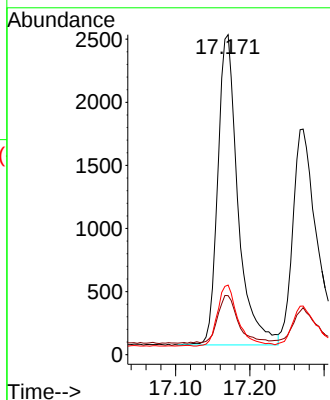
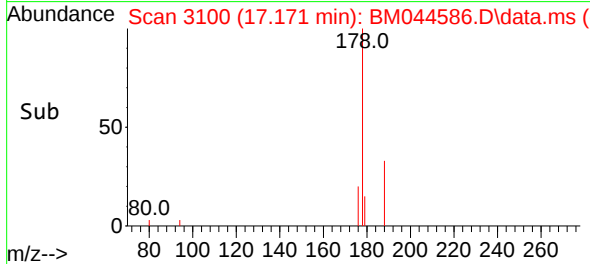
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



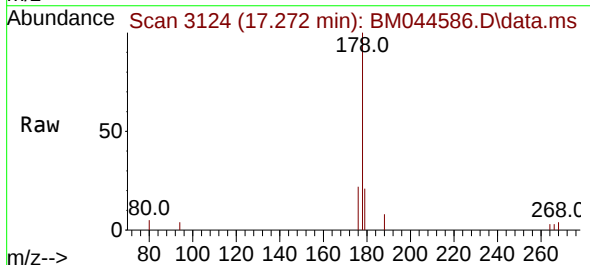
Tgt Ion:178 Resp: 465
Ion Ratio Lower Upper
178 100
179 18.5 12.5 18.7
176 21.8 15.8 23.8

Manual Integrations
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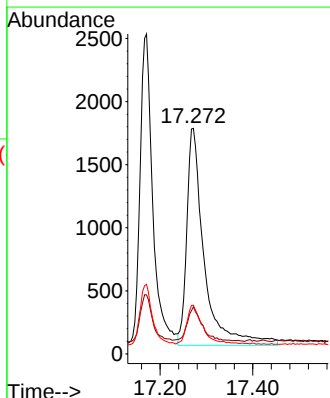
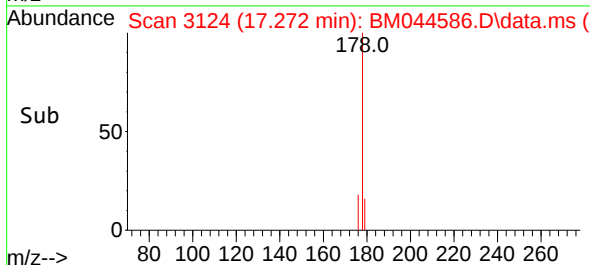
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024

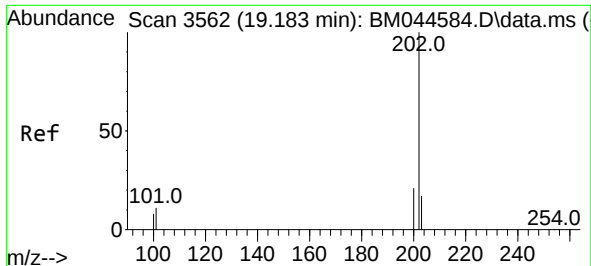


#16
Anthracene
Concen: 0.070 ng/ul m
RT: 17.272 min Scan# 3124
Delta R.T. 0.013 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42



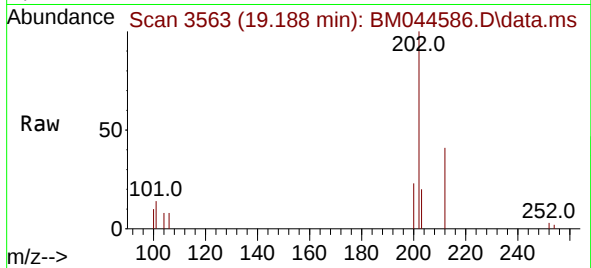
Tgt Ion:178 Resp: 4511
Ion Ratio Lower Upper
178 100
179 20.9 12.8 19.2#
176 21.5 15.2 22.8





#19
Fluoranthene
Concen: 0.072 ng/u1
RT: 19.188 min Scan# 3562
Delta R.T. 0.001 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

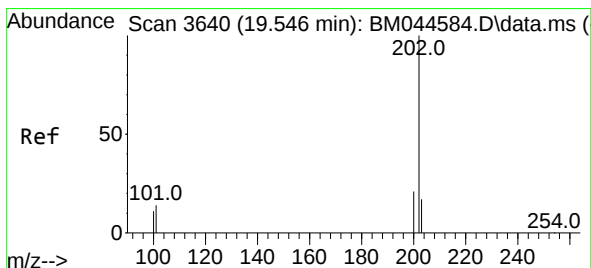
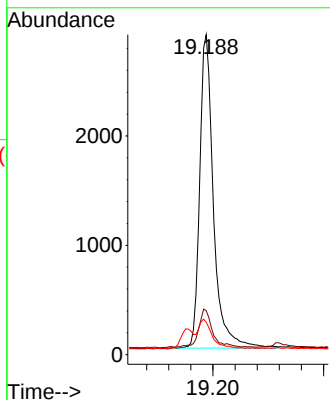
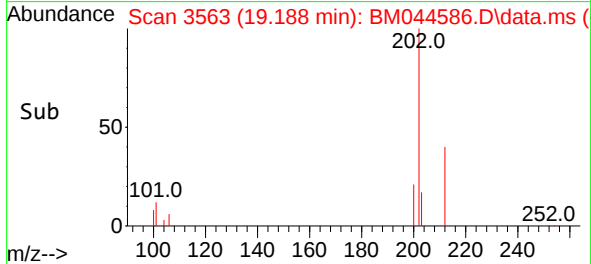
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:202 Resp: 4972
Ion Ratio Lower Upper
202 100
101 13.8 9.0 13.4
100 10.1 6.8 10.2

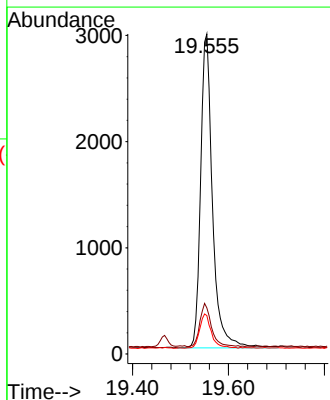
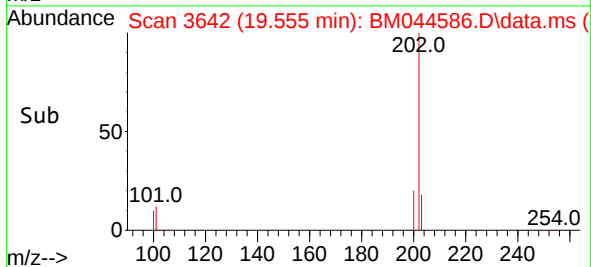
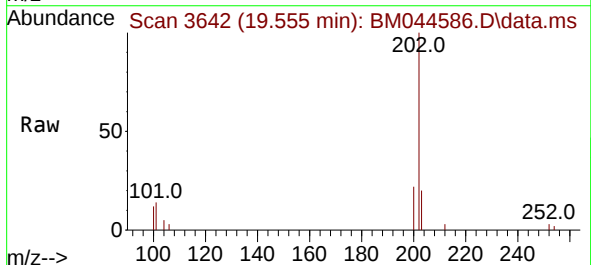
Manual Integrations
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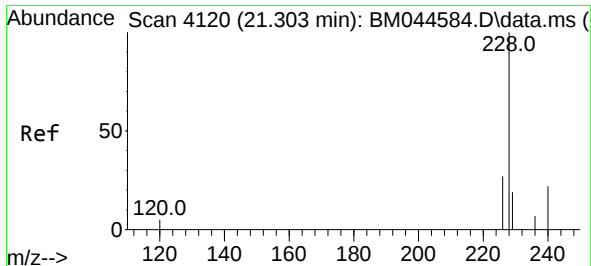
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024



#20
Pyrene
Concen: 0.072 ng/u1
RT: 19.555 min Scan# 3642
Delta R.T. 0.005 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

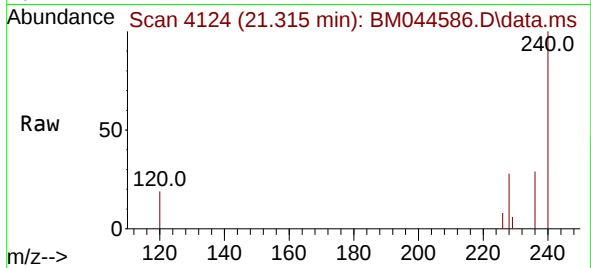
Tgt Ion:202 Resp: 5081
Ion Ratio Lower Upper
202 100
101 14.4 10.8 16.2
100 12.0 8.4 12.6





#21
Benzo(a)anthracene
Concen: 0.060 ng/u1
RT: 21.315 min Scan# 4124
Delta R.T. 0.013 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

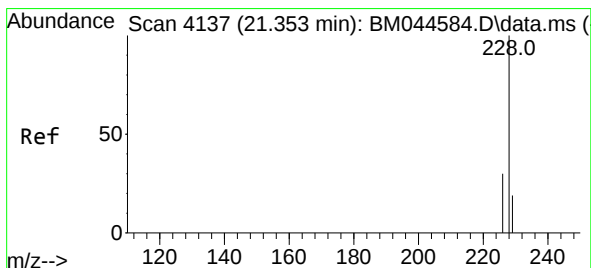
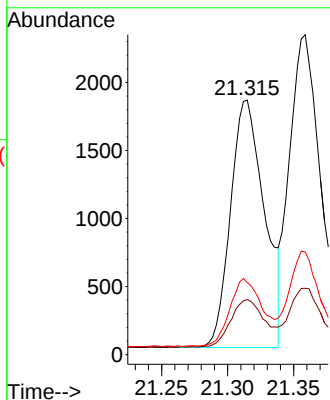
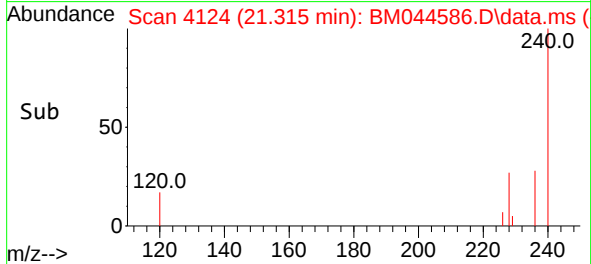
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:228 Resp: 3249
Ion Ratio Lower Upper
228 100
229 21.6 15.9 23.9
226 28.3 22.2 33.2

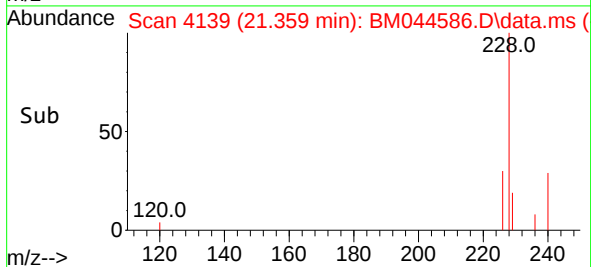
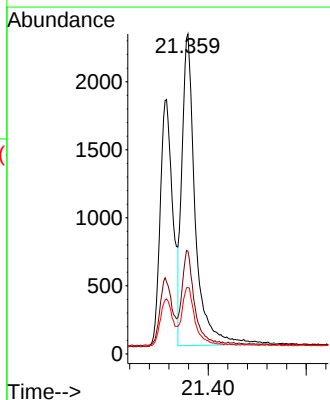
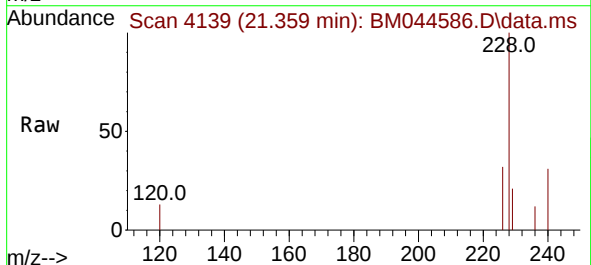
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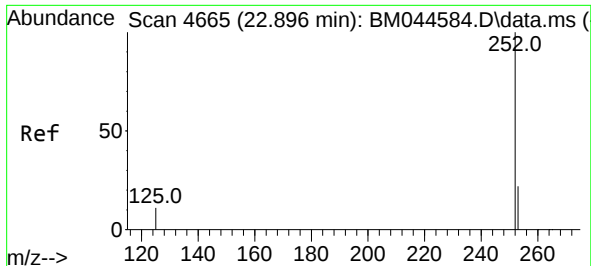
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024



#22
Chrysene
Concen: 0.072 ng/u1
RT: 21.359 min Scan# 4139
Delta R.T. 0.008 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

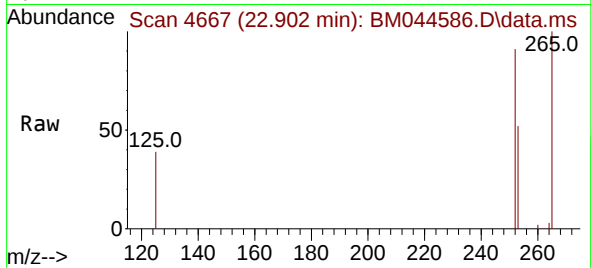
Tgt Ion:228 Resp: 4317
Ion Ratio Lower Upper
228 100
226 32.1 24.6 37.0
229 20.7 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.063 ng/ul
RT: 22.902 min Scan# 4667
Delta R.T. 0.011 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

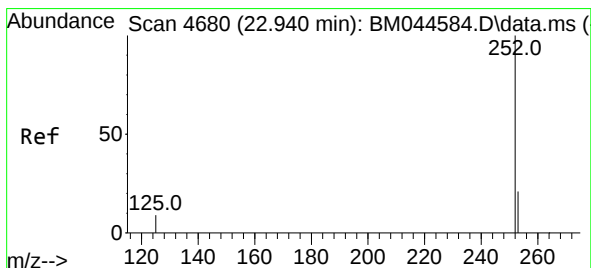
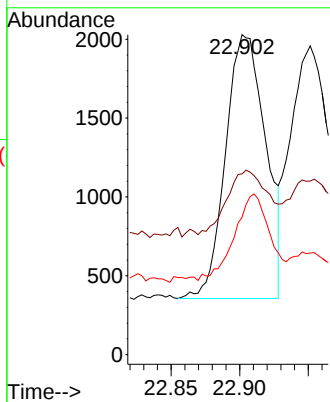
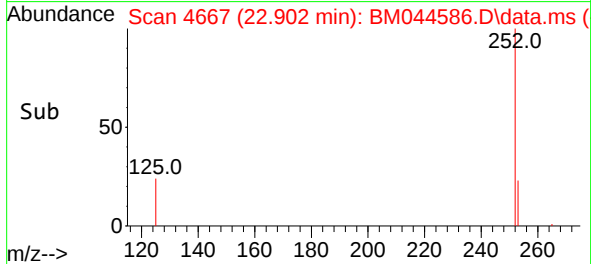
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:252 Resp: 340
Ion Ratio Lower Upper
252 100
253 56.5 0.0 54.6
125 42.9 0.0 28.6

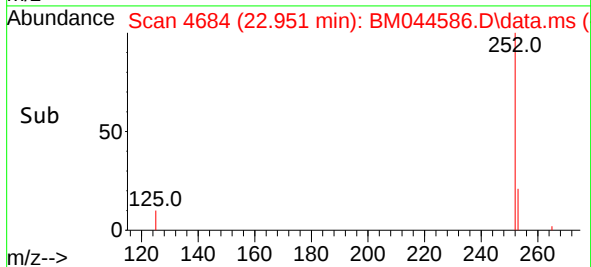
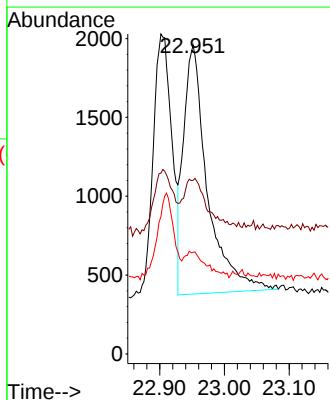
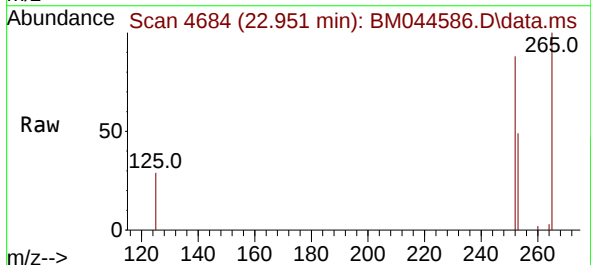
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APPROVED

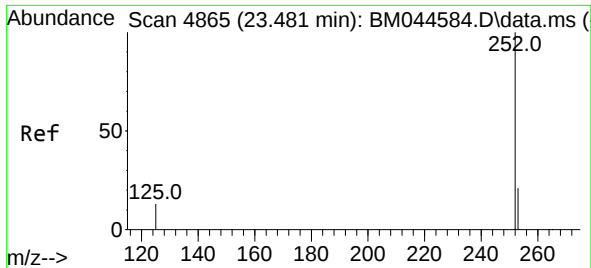
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024



#25
Benzo(k)fluoranthene
Concen: 0.069 ng/ul
RT: 22.951 min Scan# 4684
Delta R.T. 0.011 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

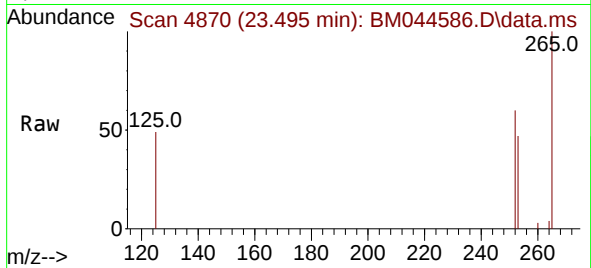
Tgt Ion:252 Resp: 4067
Ion Ratio Lower Upper
252 100
253 56.2 22.6 33.8#
125 32.9 11.4 17.2#





#26
Benzo(a)pyrene
Concen: 0.064 ng/ul
RT: 23.495 min Scan# 4865
Delta R.T. 0.016 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

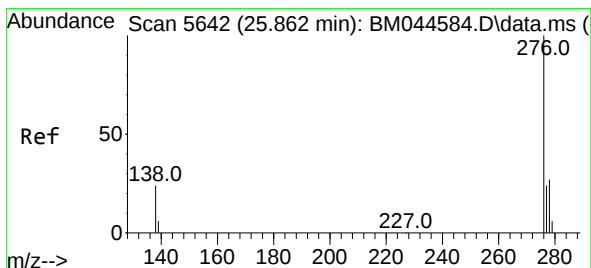
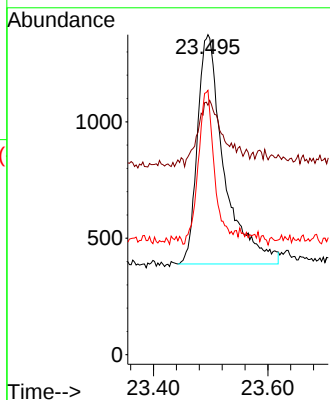
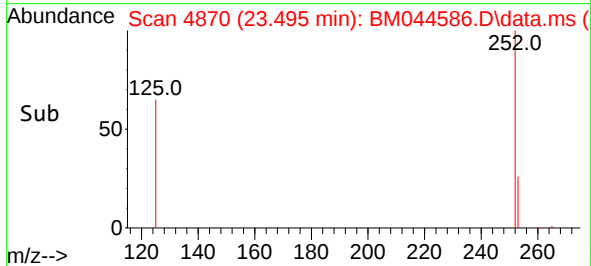
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:252 Resp: 317
Ion Ratio Lower Upper
252 100
253 77.9 25.2 37.8
125 82.6 14.2 21.4

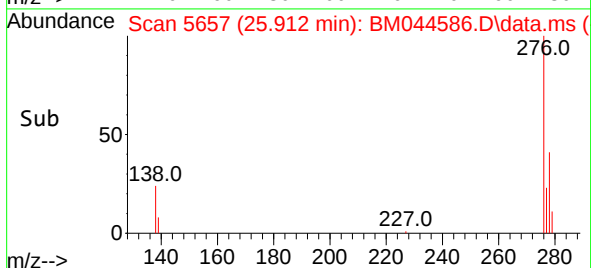
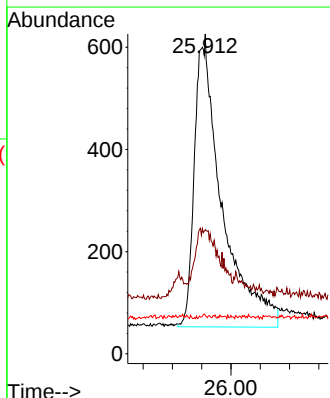
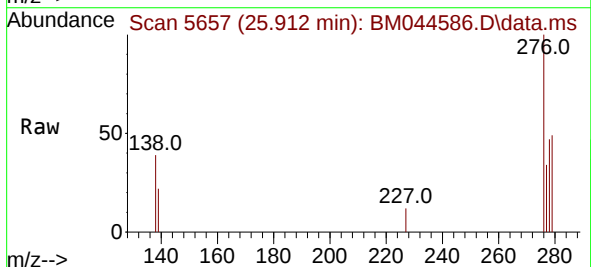
Manual Integrations
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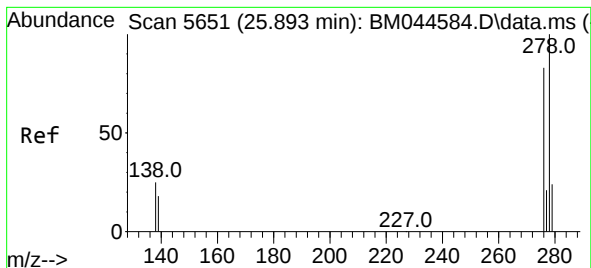
Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.066 ng/ul m
RT: 25.912 min Scan# 5657
Delta R.T. 0.049 min
Lab File: BM044586.D
Acq: 12 Mar 2024 10:42

Tgt Ion:276 Resp: 3721
Ion Ratio Lower Upper
276 100
138 0.0 21.9 32.9#
227 0.2 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.067 ng/ul m

RT: 25.939 min Scan# 5

Delta R.T. 0.049 min

Lab File: BM044586.D

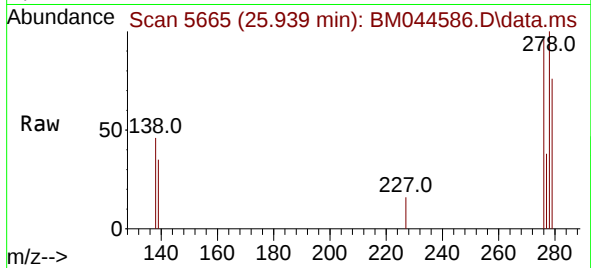
Acq: 12 Mar 2024 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2024-02



Tgt Ion:278 Resp: 2918

Ion Ratio Lower Upper

278 100

139 34.9 15.9 23.9

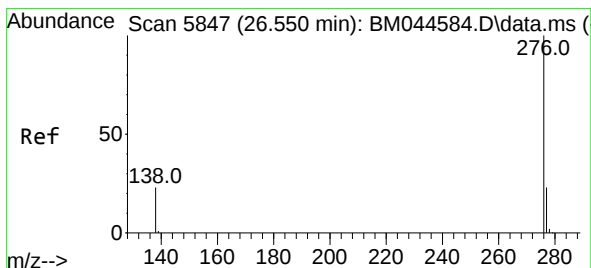
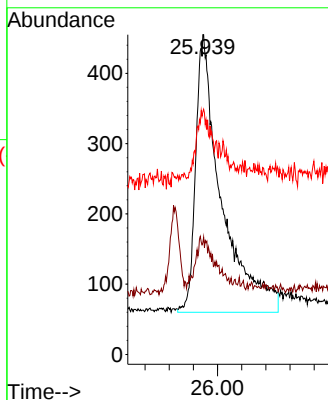
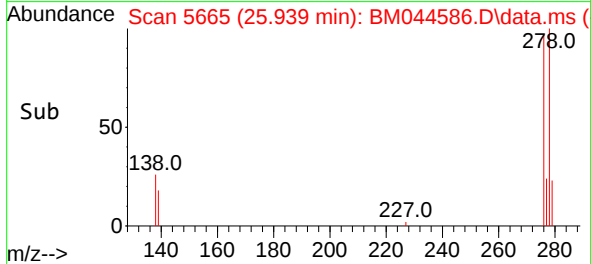
279 75.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024

Supervised By :mohammad ahmed 03/14/2024



#29

Benzo(g,h,i)perylene

Concen: 0.065 ng/ul

RT: 26.576 min Scan# 5855

Delta R.T. 0.022 min

Lab File: BM044586.D

Acq: 12 Mar 2024 10:42

Tgt Ion:276 Resp: 3214

Ion Ratio Lower Upper

276 100

138 35.9 20.1 30.1#

277 32.3 19.6 29.4#

