

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031124\
 Data File : BM044579.D
 Acq On : 11 Mar 2024 16:06
 Operator : MA/JU
 Sample : P1601-01
 Misc : SFAM-SIM-MDL-WATER-01
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/11/2024
 Supervised By :mohammad ahmed 03/12/2024

Quant Time: Mar 11 16:45:02 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5394	0.400	ng/ul	0.00
4) Naphthalene-d8	10.512	136	16992	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.372	164	9621	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.132	188	21746	0.400	ng/ul	0.01
17) Chrysene-d12	21.325	240	13070	0.400	ng/ul	0.00
23) Perylene-d12	23.584	264	13072	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.285	96	2879	0.407	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.118	152	9279	0.380	ng/ul	0.02
18) Fluoranthene-d10	19.159	212	19778	0.431	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.314	88	616m	0.085	ng/ul	
5) Naphthalene	10.562	128	3299	0.069	ng/ul#	92
7) 2-Methylnaphthalene	12.195	142	2032	0.067	ng/ul	99
8) 1-Methylnaphthalene	12.404	142	2106	0.069	ng/ul	98
10) Acenaphthylene	14.094	152	3331	0.068	ng/ul	96
11) Acenaphthene	14.436	153	2466	0.070	ng/ul	99
12) Fluorene	15.445	166	2780	0.069	ng/ul	95
14) Pentachlorophenol	16.798	266	324	0.062	ng/ul	99
15) Phenanthrene	17.174	178	4342	0.067	ng/ul	95
16) Anthracene	17.280	178	3721m	0.061	ng/ul	
19) Fluoranthene	19.192	202	4670	0.073	ng/ul#	93
20) Pyrene	19.559	202	4788	0.073	ng/ul	97
21) Benzo(a)anthracene	21.322	228	2811	0.056	ng/ul	94
22) Chrysene	21.363	228	4188	0.075	ng/ul	97
24) Benzo(b)fluoranthene	22.909	252	3051	0.061	ng/ul#	39
25) Benzo(k)fluoranthene	22.958	252	3904	0.072	ng/ul#	41
26) Benzo(a)pyrene	23.502	252	2873	0.063	ng/ul#	4
27) Indeno(1,2,3-cd)pyrene	25.914	276	3676m	0.071	ng/ul	
28) Dibenzo(a,h)anthracene	25.957	278	2803m	0.070	ng/ul	
29) Benzo(g,h,i)perylene	26.588	276	3127	0.068	ng/ul#	81

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

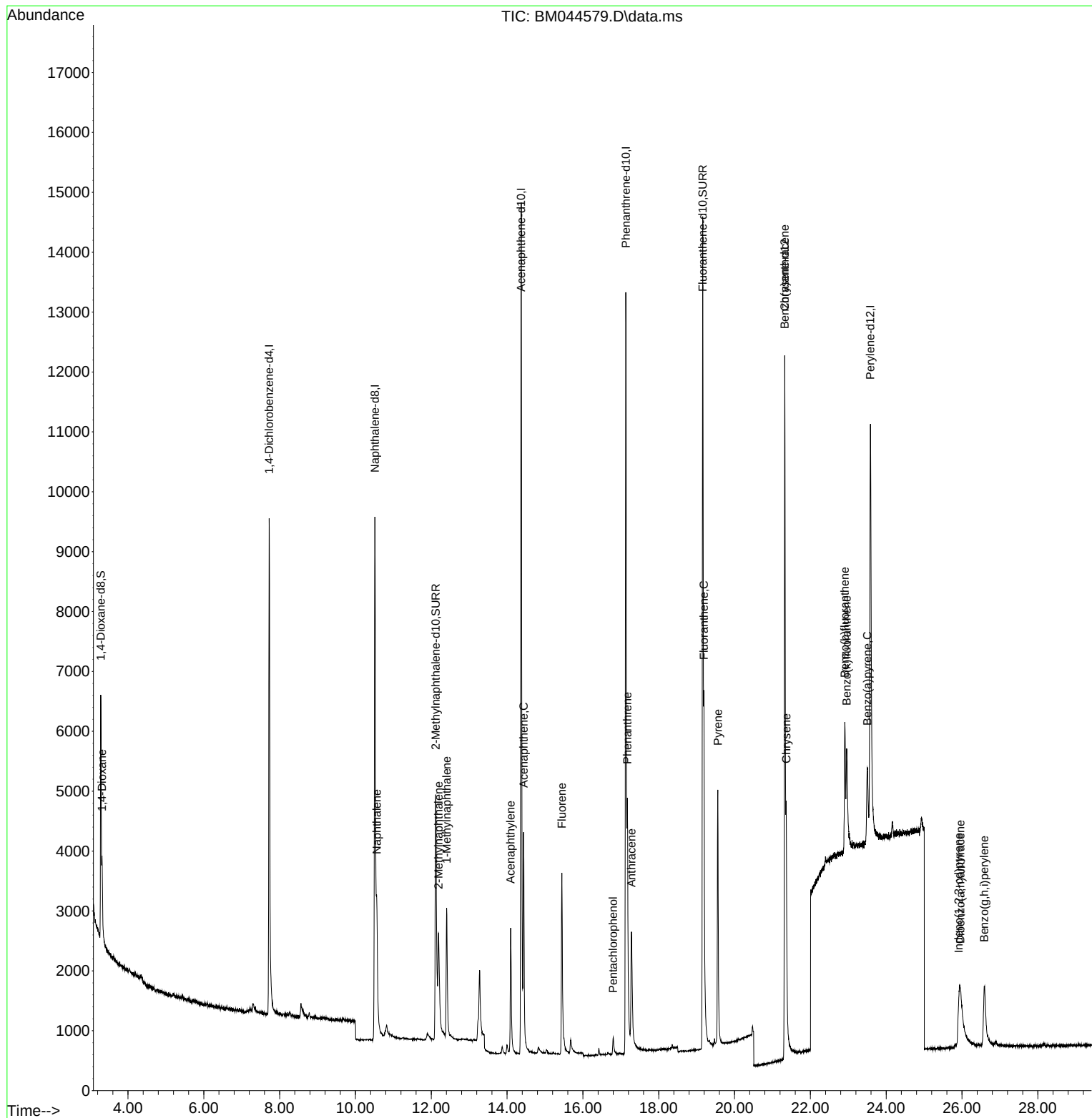
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031124\
Data File : BM044579.D
Acq On : 11 Mar 2024 16:06
Operator : MA/JU
Sample : P1601-01
Misc : SFAM-SIM-MDL-WATER-01
ALS Vial : 11 Sample Multiplier: 1

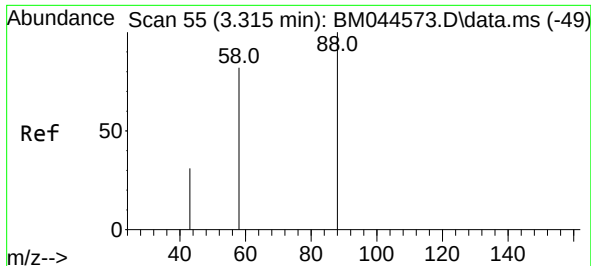
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01

Quant Time: Mar 11 16:45:02 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

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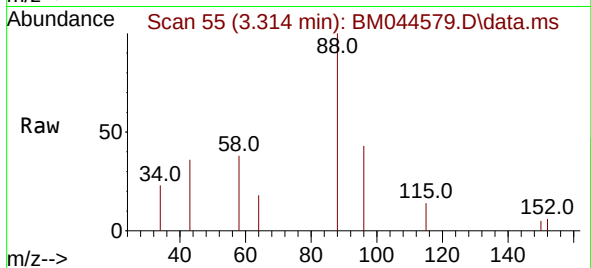
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024





#2
1,4-Dioxane
Concen: 0.085 ng/ul m
RT: 3.314 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

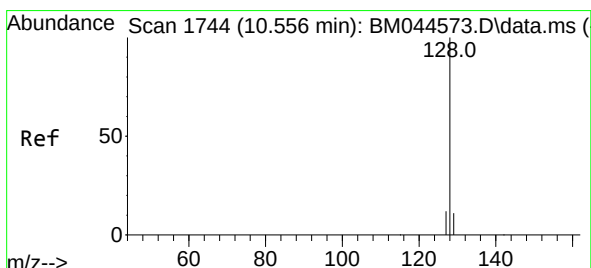
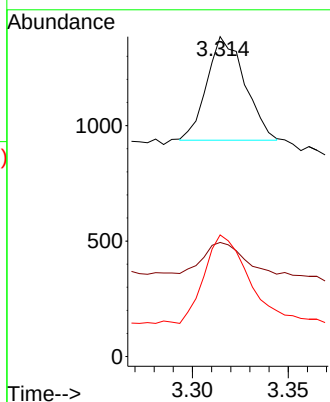
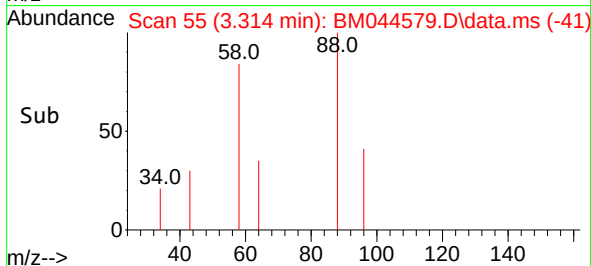
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 88 Resp: 610
Ion Ratio Lower Upper
88 100
43 35.7 21.4 32.0#
58 38.1 35.6 53.4

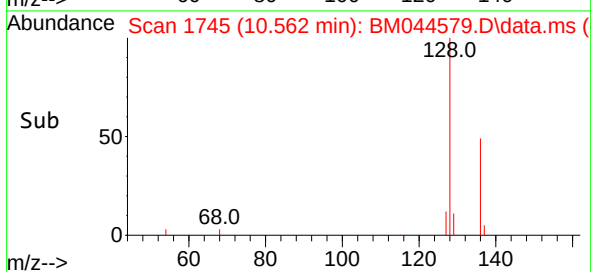
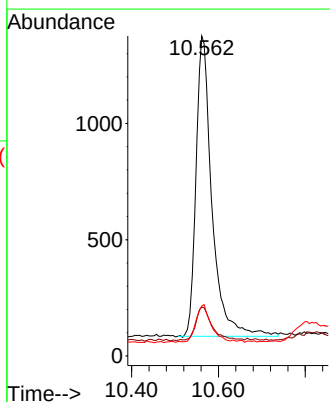
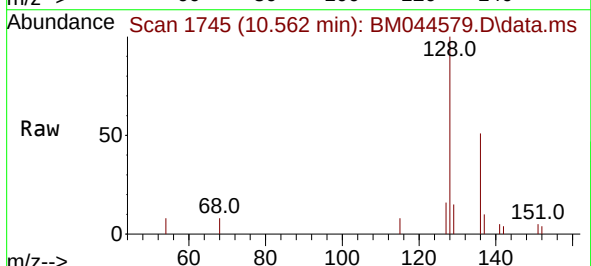
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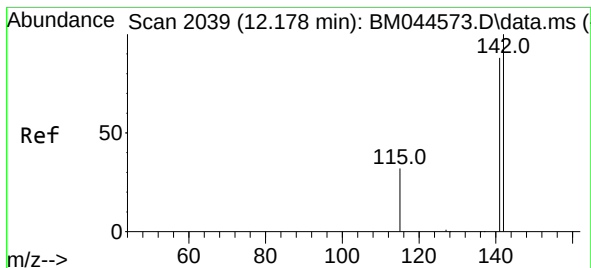
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.562 min Scan# 1745
Delta R.T. 0.005 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

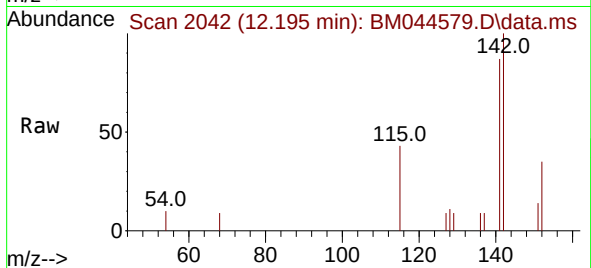
Tgt Ion:128 Resp: 3299
Ion Ratio Lower Upper
128 100
129 15.3 9.2 13.8#
127 15.6 10.3 15.5#





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.195 min Scan# 2039
Delta R.T. 0.016 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

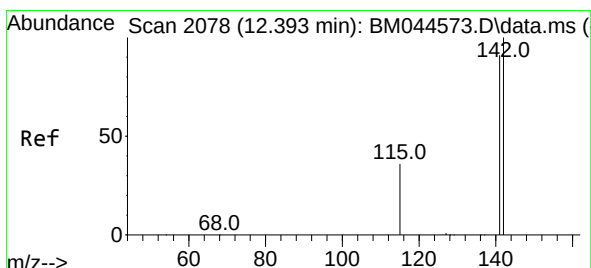
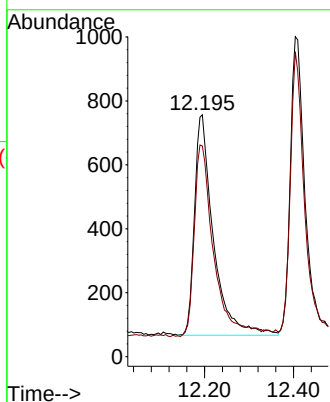
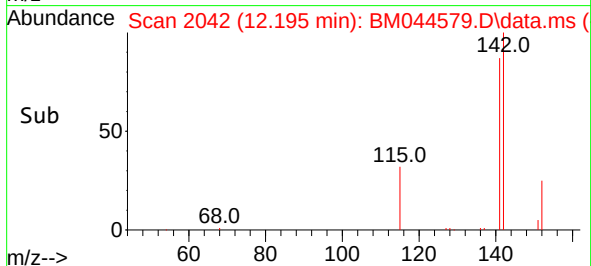
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01



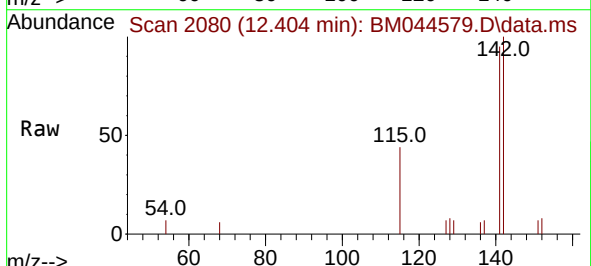
Tgt Ion:142 Resp: 2039
Ion Ratio Lower Upper
142 100
141 90.5 71.8 107.6

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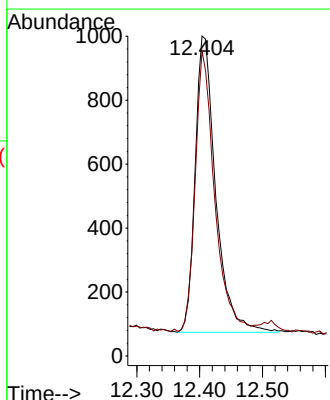
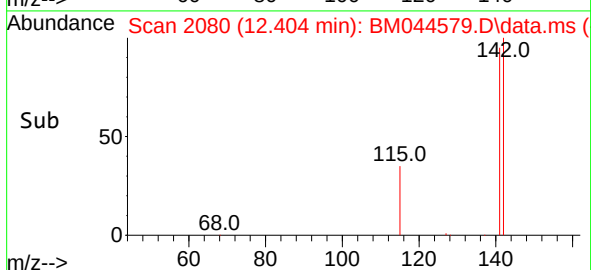
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024

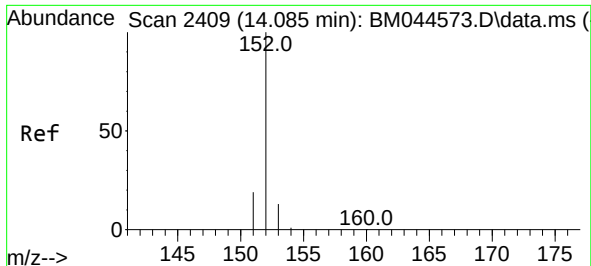


#8
1-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.404 min Scan# 2080
Delta R.T. 0.011 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06



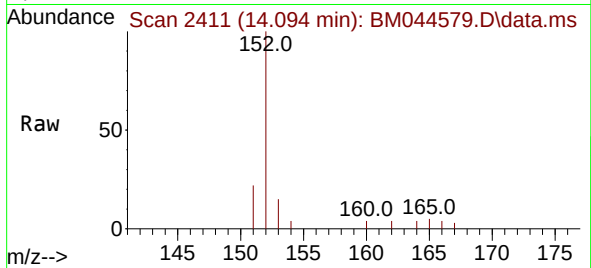
Tgt Ion:142 Resp: 2106
Ion Ratio Lower Upper
142 100
141 89.4 73.1 109.7





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.094 min Scan# 2411
Delta R.T. 0.009 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

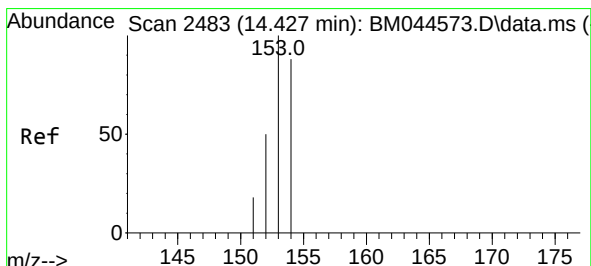
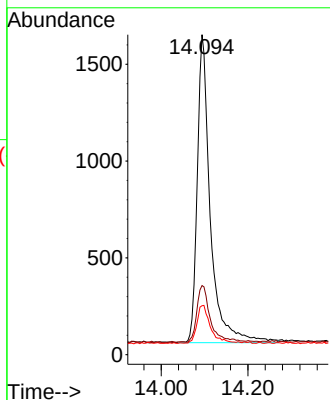
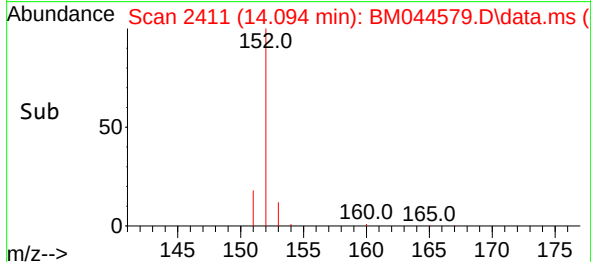
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:152 Resp: 333
Ion Ratio Lower Upper
152 100
151 21.6 15.8 23.8
153 15.3 10.8 16.2

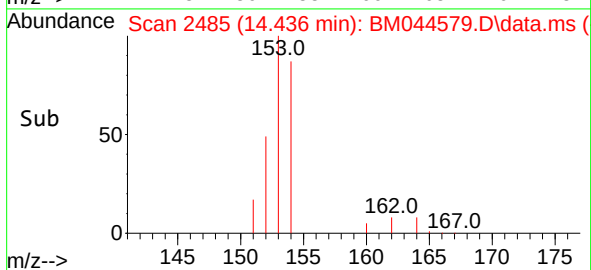
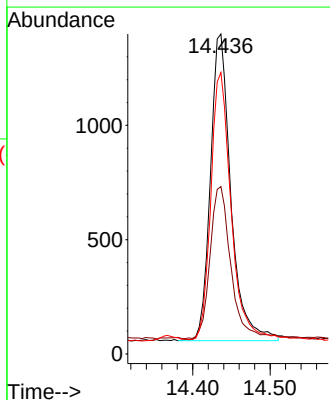
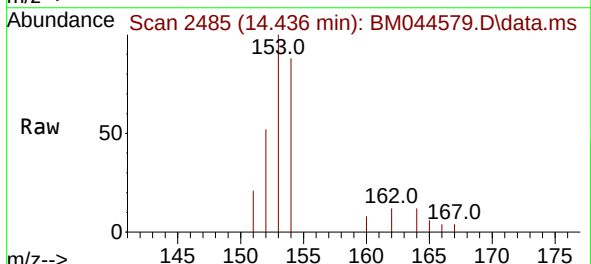
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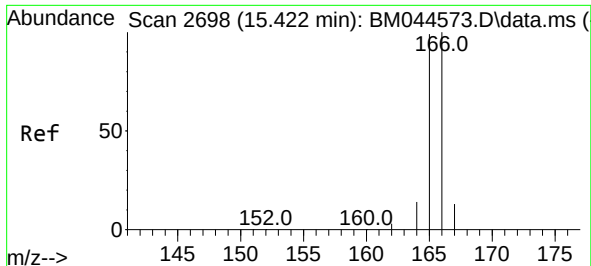
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.436 min Scan# 2485
Delta R.T. 0.009 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

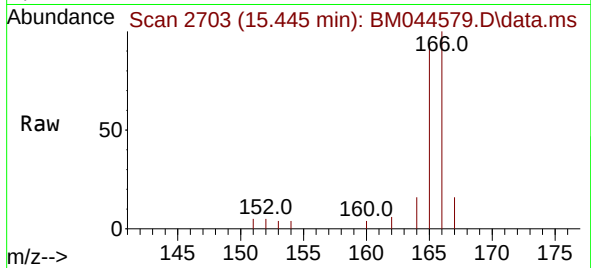
Tgt Ion:153 Resp: 2466
Ion Ratio Lower Upper
153 100
152 52.3 40.7 61.1
154 87.9 70.6 106.0





#12
Fluorene
Concen: 0.069 ng/u1
RT: 15.445 min Scan# 21
Delta R.T. 0.023 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

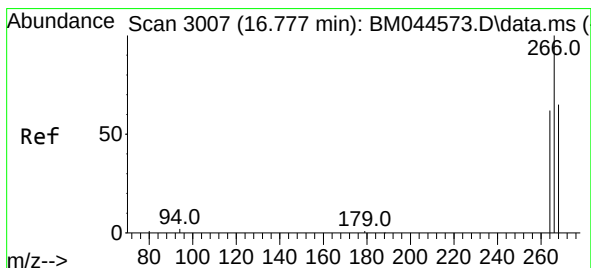
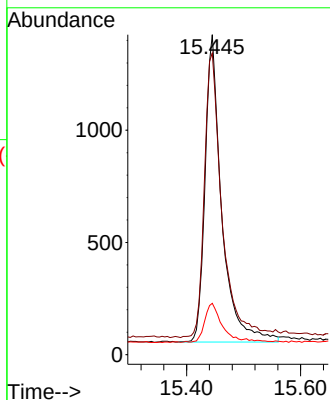
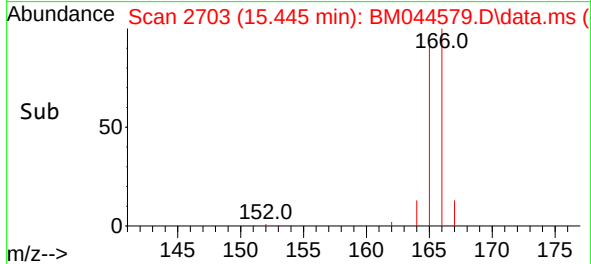
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:166 Resp: 2780
Ion Ratio Lower Upper
166 100
165 94.2 79.4 119.0
167 16.1 11.0 16.6

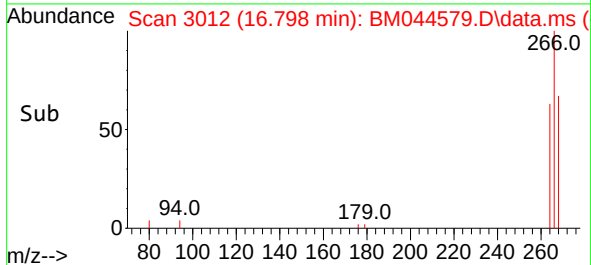
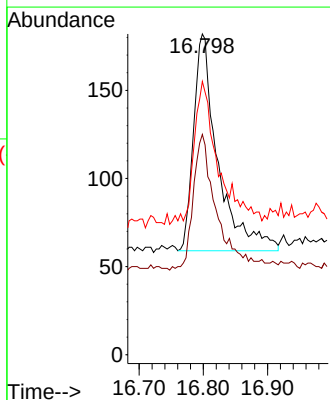
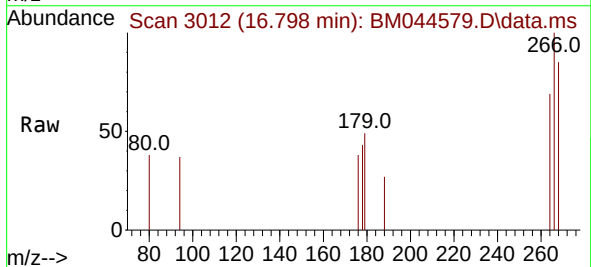
Manual Integrations
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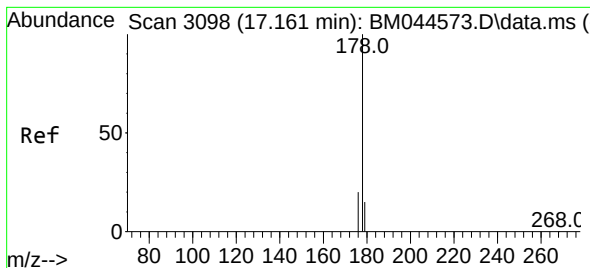
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#14
Pentachlorophenol
Concen: 0.062 ng/u1
RT: 16.798 min Scan# 3012
Delta R.T. 0.021 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

Tgt Ion:266 Resp: 324
Ion Ratio Lower Upper
266 100
264 62.7 49.5 74.3
268 59.9 48.1 72.1





#15

Phenanthrene

Concen: 0.067 ng/ul

RT: 17.174 min Scan# 3101

Delta R.T. 0.013 min

Lab File: BM044579.D

Acq: 11 Mar 2024 16:06

Instrument :

BNA_M

ClientSampleId :

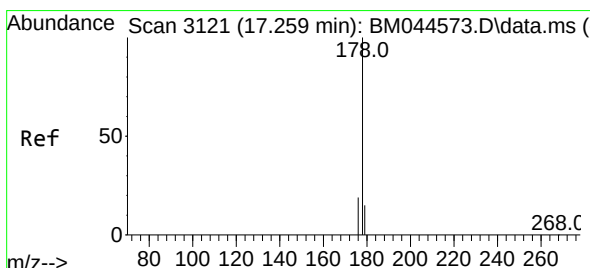
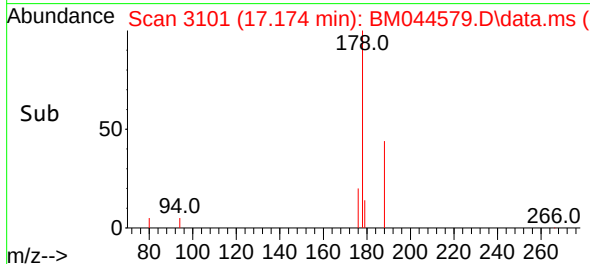
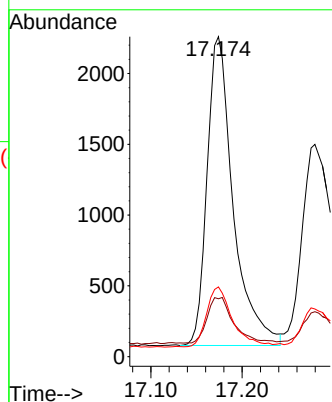
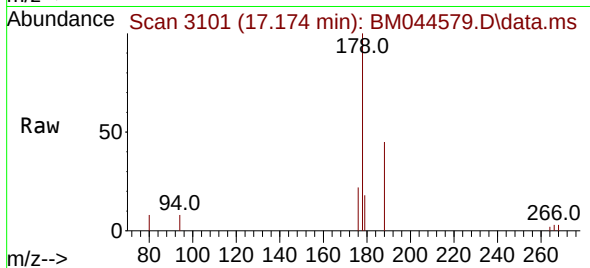
MDL-WATER-QT1-2024-01

Tgt Ion:	178	Resp:	434
Ion Ratio	Lower	Upper	
178	100		
179	18.1	12.5	18.7
176	21.8	15.8	23.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#16

Anthracene

Concen: 0.061 ng/ul m

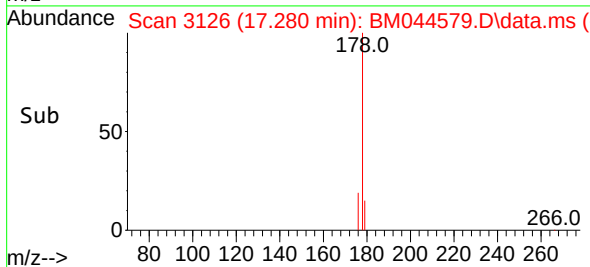
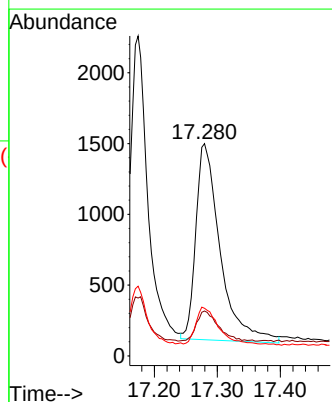
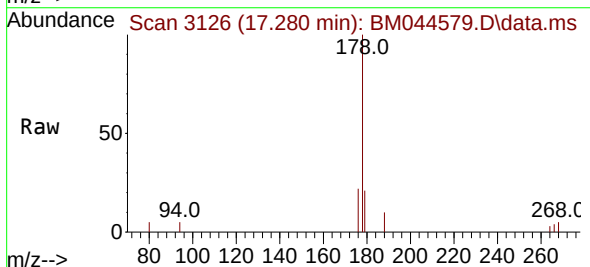
RT: 17.280 min Scan# 3126

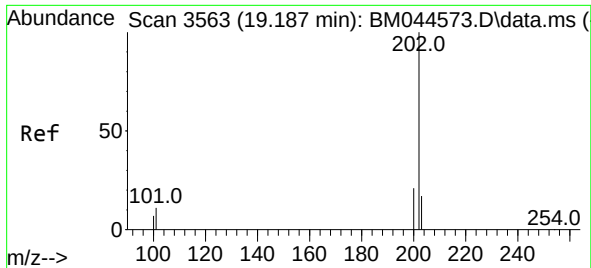
Delta R.T. 0.021 min

Lab File: BM044579.D

Acq: 11 Mar 2024 16:06

Tgt Ion:	178	Resp:	3721
Ion Ratio	Lower	Upper	
178	100		
179	21.1	12.8	19.2#
176	22.5	15.2	22.8





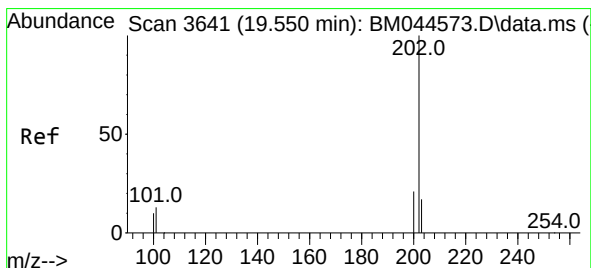
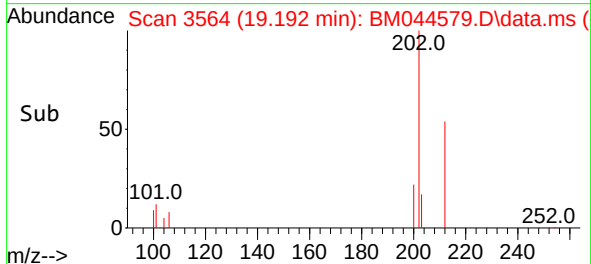
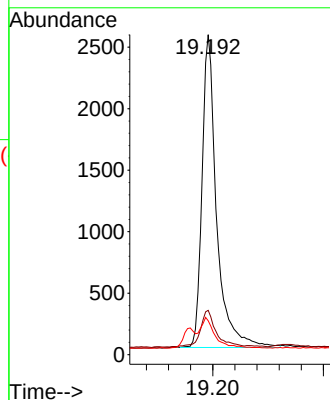
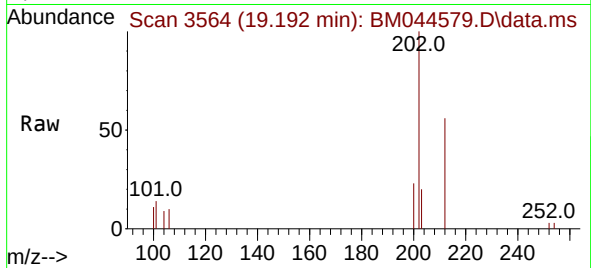
#19
Fluoranthene
Concen: 0.073 ng/u1
RT: 19.192 min Scan# 3564
Delta R.T. 0.005 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:202 Resp: 4670
Ion Ratio Lower Upper
202 100
101 13.9 9.0 13.4
100 10.6 6.8 10.2

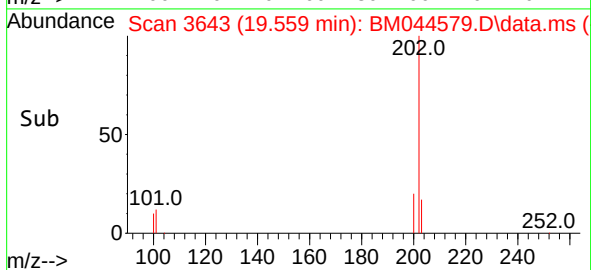
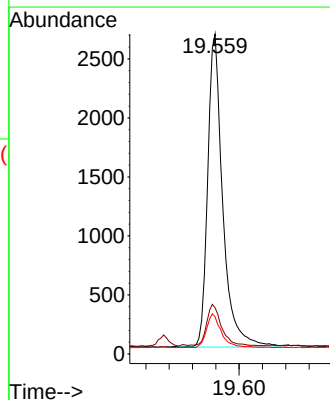
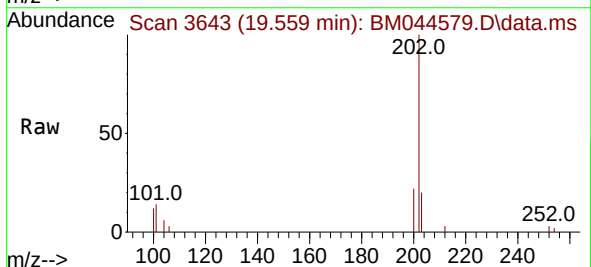
Manual Integrations
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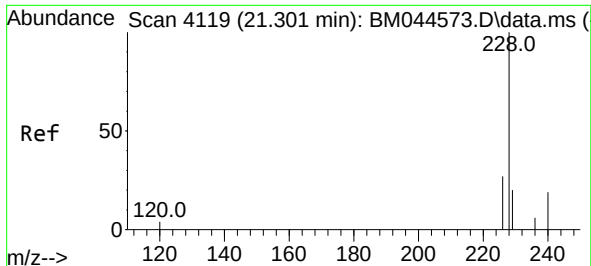
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#20
Pyrene
Concen: 0.073 ng/u1
RT: 19.559 min Scan# 3643
Delta R.T. 0.009 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

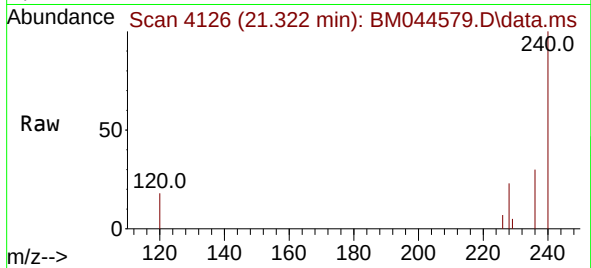
Tgt Ion:202 Resp: 4788
Ion Ratio Lower Upper
202 100
101 14.5 10.8 16.2
100 11.6 8.4 12.6





#21
Benzo(a)anthracene
Concen: 0.056 ng/u1
RT: 21.322 min Scan# 4119
Delta R.T. 0.020 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

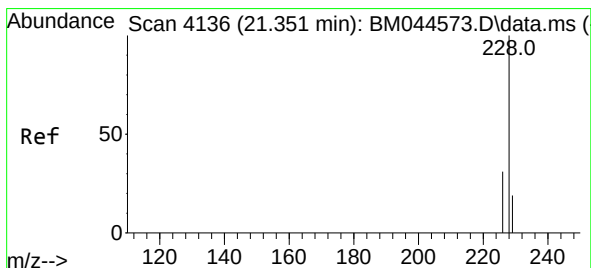
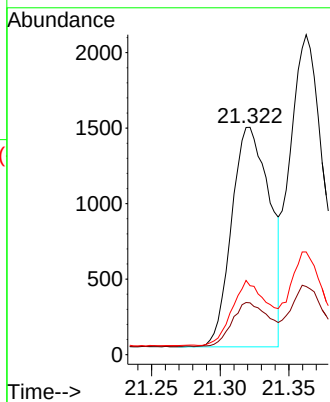
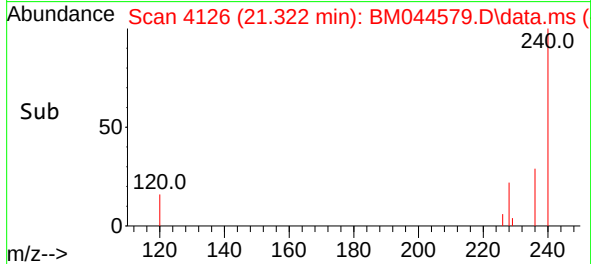
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:228 Resp: 281
Ion Ratio Lower Upper
228 100
229 22.8 15.9 23.9
226 30.3 22.2 33.2

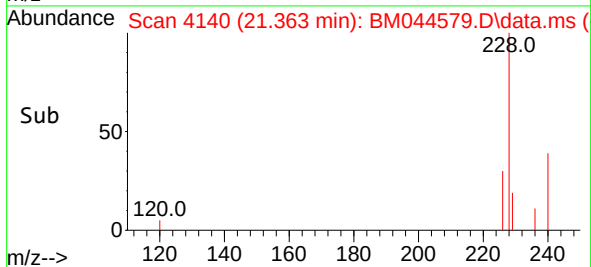
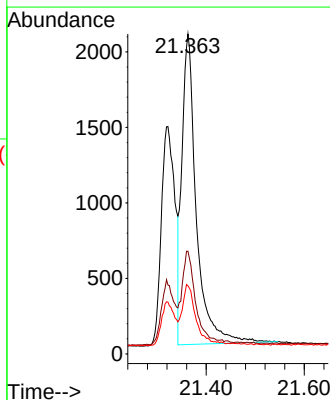
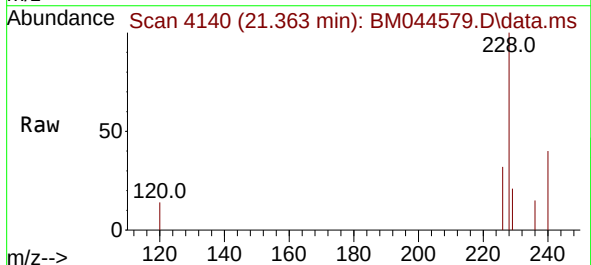
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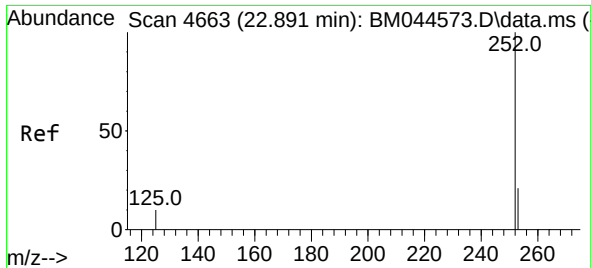
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#22
Chrysene
Concen: 0.075 ng/u1
RT: 21.363 min Scan# 4140
Delta R.T. 0.012 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

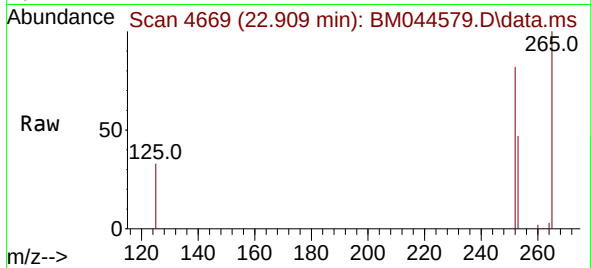
Tgt Ion:228 Resp: 4188
Ion Ratio Lower Upper
228 100
226 32.1 24.6 37.0
229 21.3 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.061 ng/u1
RT: 22.909 min Scan# 4669
Delta R.T. 0.017 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

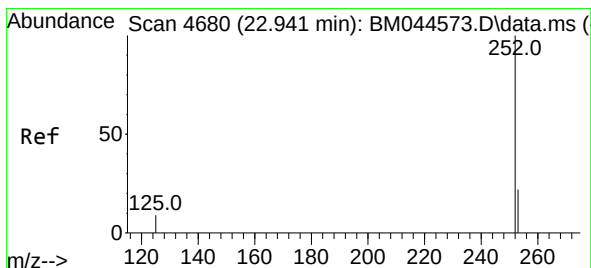
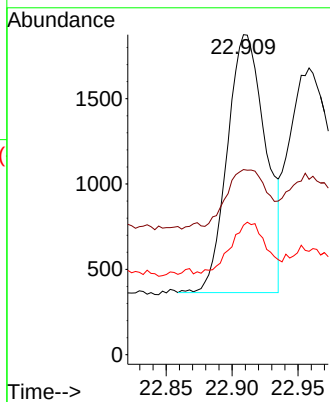
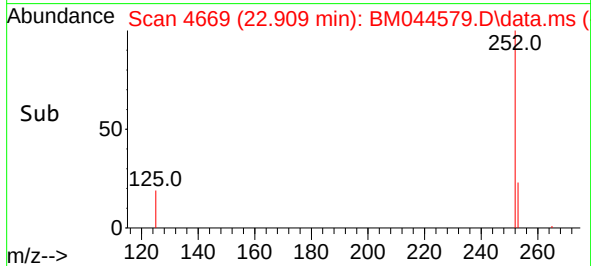
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:252 Resp: 305
Ion Ratio Lower Upper
252 100
253 57.9 0.0 54.6
125 40.5 0.0 28.6

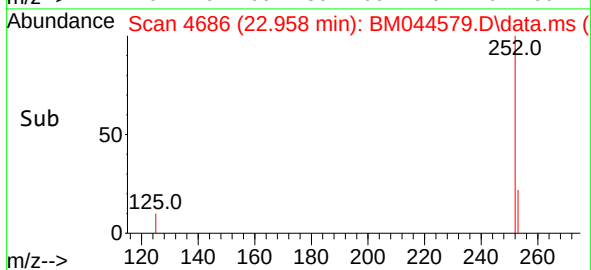
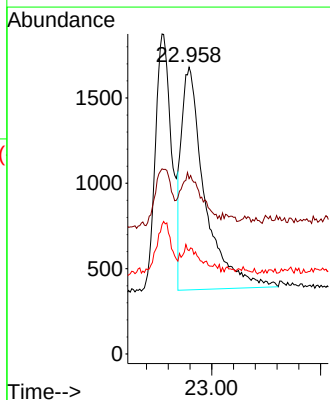
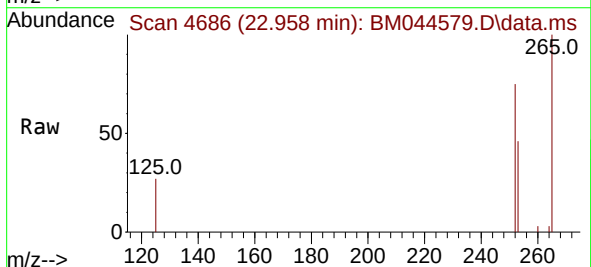
Manual Integrations
APPROVED

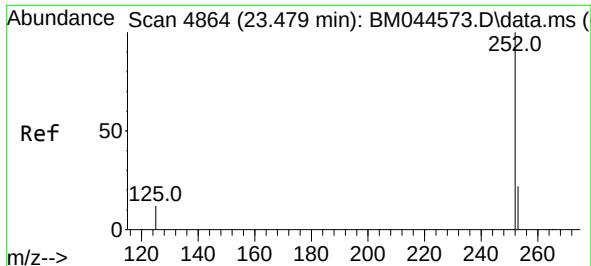
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#25
Benzo(k)fluoranthene
Concen: 0.072 ng/u1
RT: 22.958 min Scan# 4686
Delta R.T. 0.017 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

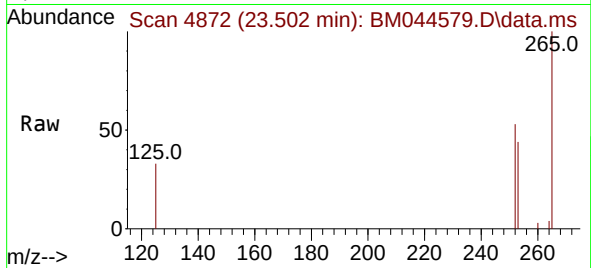
Tgt Ion:252 Resp: 3904
Ion Ratio Lower Upper
252 100
253 61.2 22.6 33.8#
125 36.1 11.4 17.2#





#26
Benzo(a)pyrene
Concen: 0.063 ng/ul
RT: 23.502 min Scan# 4872
Delta R.T. 0.023 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

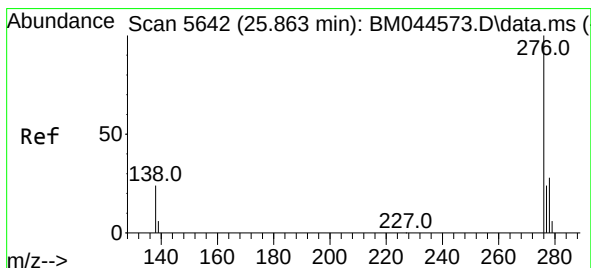
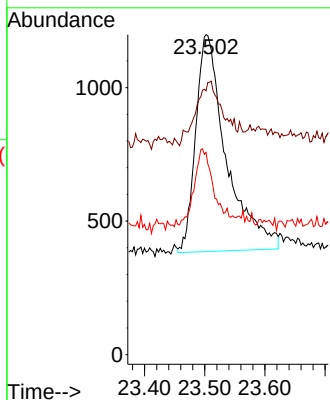
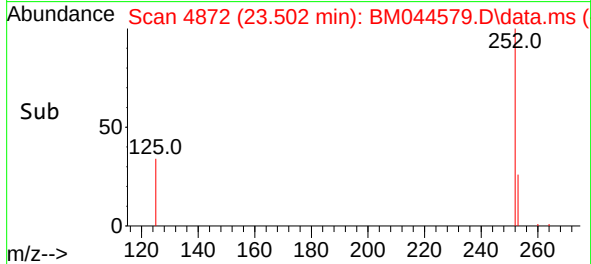
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:252 Resp: 287
Ion Ratio Lower Upper
252 100
253 82.5 25.2 37.8
125 63.2 14.2 21.4

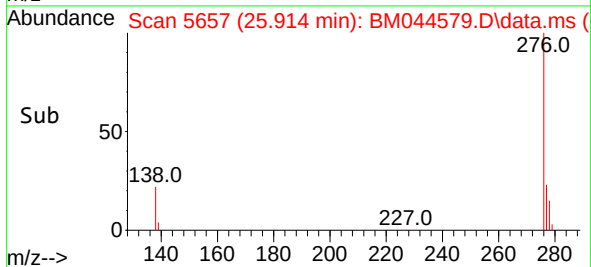
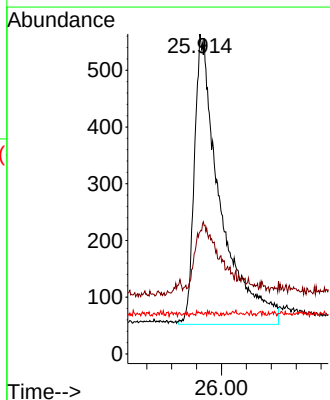
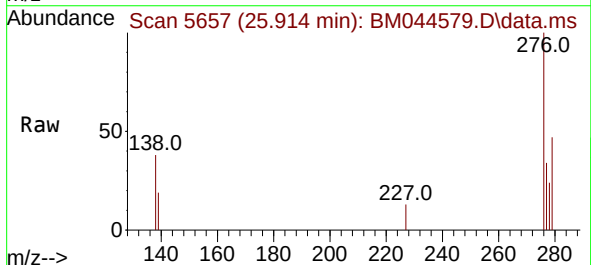
Manual Integrations
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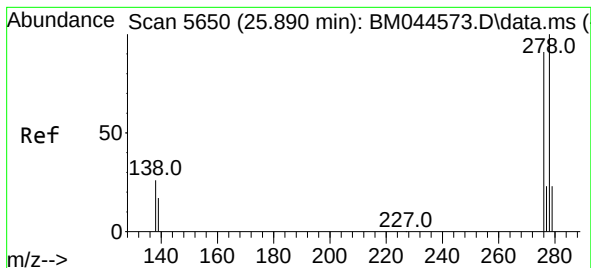
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.071 ng/ul m
RT: 25.914 min Scan# 5657
Delta R.T. 0.050 min
Lab File: BM044579.D
Acq: 11 Mar 2024 16:06

Tgt Ion:276 Resp: 3676
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: 0.070 ng/ul m

RT: 25.957 min Scan# 5650

Delta R.T. 0.067 min

Lab File: BM044579.D

Acq: 11 Mar 2024 16:06

Instrument :

BNA_M

ClientSampleId :

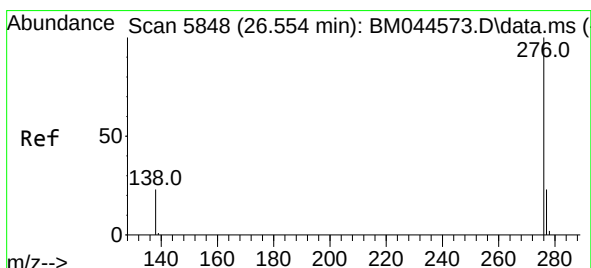
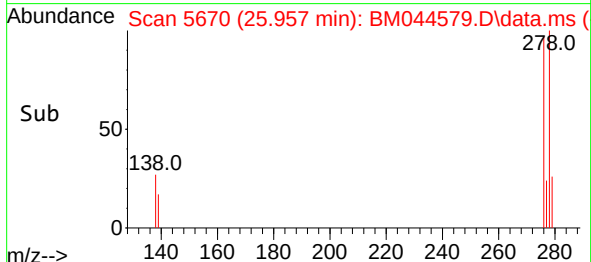
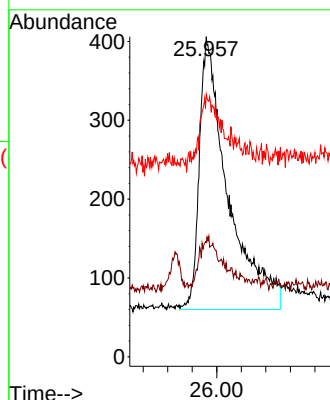
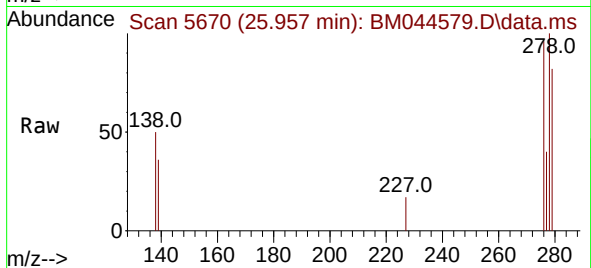
MDL-WATER-QT1-2024-01

Tgt Ion:	278	Resp:	280
Ion Ratio	Lower	Upper	
278	100		
139	35.7	15.9	23.9
279	82.0	24.1	36.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024



#29

Benzo(g,h,i)perylene

Concen: 0.068 ng/ul

RT: 26.588 min Scan# 5858

Delta R.T. 0.033 min

Lab File: BM044579.D

Acq: 11 Mar 2024 16:06

Tgt Ion:	276	Resp:	3127
Ion Ratio	Lower	Upper	
276	100		
138	37.2	20.1	30.1
277	31.5	19.6	29.4

