

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052924\
 Data File : BM045777.D
 Acq On : 29 May 2024 11:42
 Operator : MA/JU
 Sample : P2409-01
 Misc : SFAM-SIM-MDL-WATER-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT2-2024-03

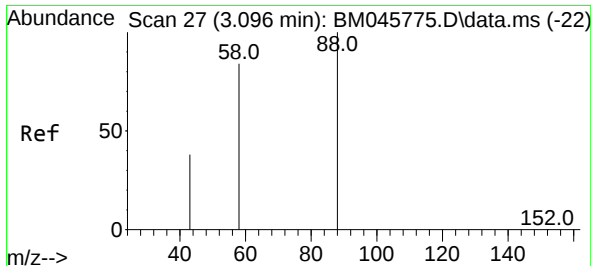
Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 29 12:21:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM052824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 00:02:49 2024
 Response via : Initial Calibration

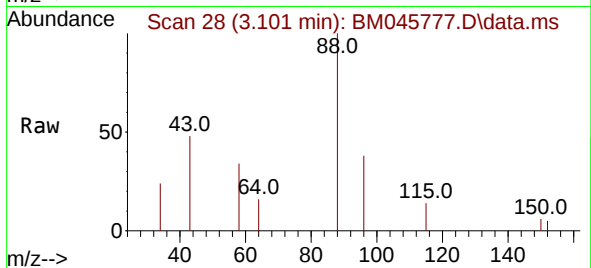
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.485	152	7241	0.400	ng/ul	0.00
4) Naphthalene-d8	10.260	136	21684	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.127	164	11080	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.871	188	21508	0.400	ng/ul	0.00
17) Chrysene-d12	21.061	240	13394	0.400	ng/ul	0.00
23) Perylene-d12	23.174	264	14540	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.067	96	3245	0.347	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.855	152	10889	0.363	ng/ul	0.00
18) Fluoranthene-d10	18.900	212	17809	0.385	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.101	88	714m	0.079	ng/ul	
5) Naphthalene	10.310	128	3815	0.068	ng/ul#	93
7) 2-Methylnaphthalene	11.932	142	2316	0.066	ng/ul	98
8) 1-Methylnaphthalene	12.152	142	2378	0.064	ng/ul	100
10) Acenaphthylene	13.850	152	3391	0.066	ng/ul	96
11) Acenaphthene	14.192	153	2485	0.067	ng/ul	98
12) Fluorene	15.182	166	2711	0.066	ng/ul	99
14) Pentachlorophenol	16.571	266	80m	0.072	ng/ul	
15) Phenanthrene	16.913	178	3995	0.066	ng/ul	94
16) Anthracene	17.006	178	3535	0.063	ng/ul	93
19) Fluoranthene	18.928	202	4267	0.069	ng/ul#	92
20) Pyrene	19.295	202	4319	0.068	ng/ul	95
21) Benzo(a)anthracene	21.044	228	3157	0.061	ng/ul#	91
22) Chrysene	21.096	228	3614	0.068	ng/ul#	93
24) Benzo(b)fluoranthene	22.548	252	3529	0.066	ng/ul#	23
25) Benzo(k)fluoranthene	22.592	252	3582	0.068	ng/ul#	36
26) Benzo(a)pyrene	23.080	252	2921	0.065	ng/ul#	20
27) Indeno(1,2,3-cd)pyrene	25.252	276	3417	0.068	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.266	278	2600	0.071	ng/ul#	33
29) Benzo(g,h,i)perylene	25.879	276	3572	0.072	ng/ul#	67

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



#2
1,4-Dioxane
Concen: 0.079 ng/ul m
RT: 3.101 min Scan# 27
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

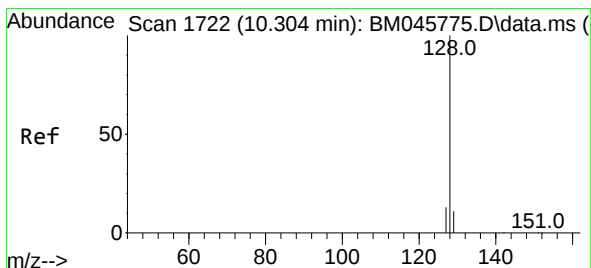
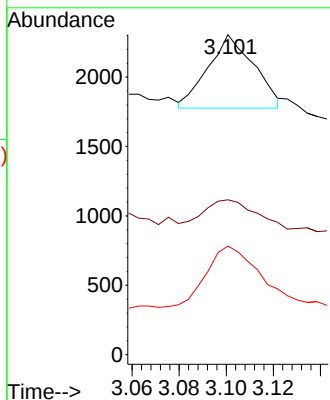
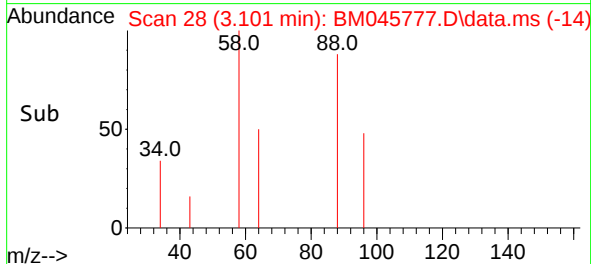
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 88 Resp: 714
Ion Ratio Lower Upper
88 100
43 48.4 38.4 57.6
58 34.0 47.0 70.6

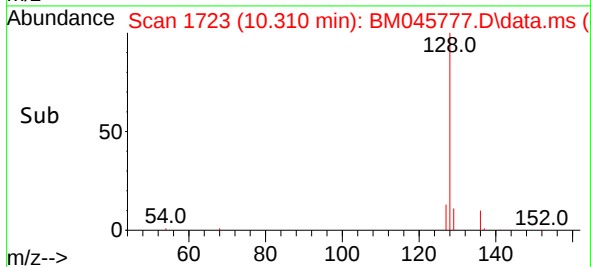
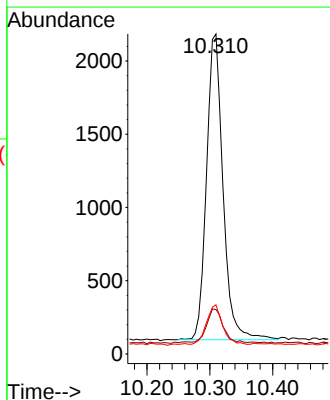
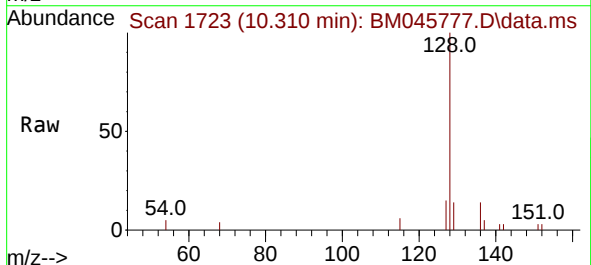
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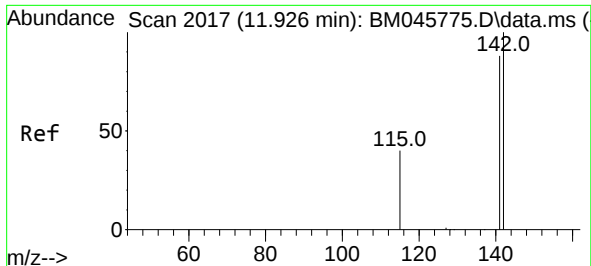
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.310 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

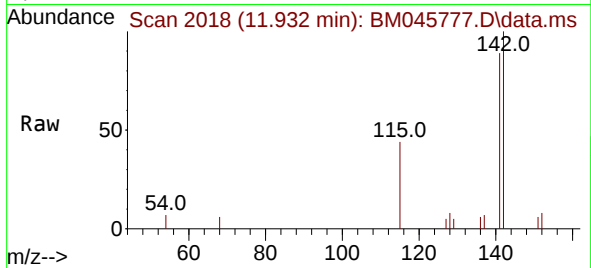
Tgt Ion:128 Resp: 3815
Ion Ratio Lower Upper
128 100
129 13.9 8.9 13.3#
127 15.3 10.3 15.5





#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 11.932 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

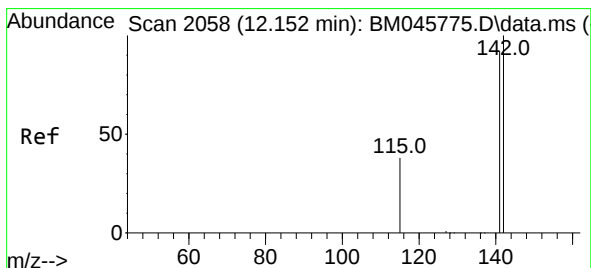
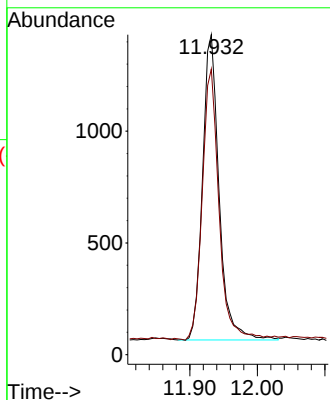
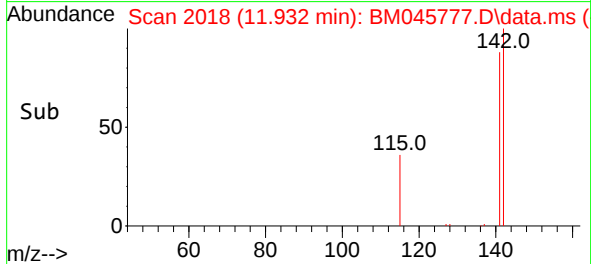
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:142 Resp: 2310
Ion Ratio Lower Upper
142 100
141 91.5 71.9 107.9

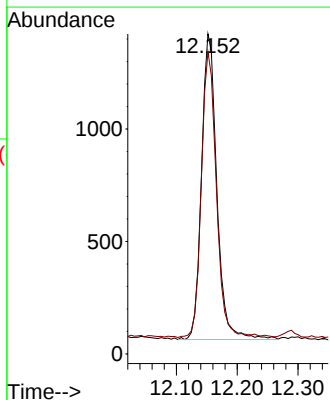
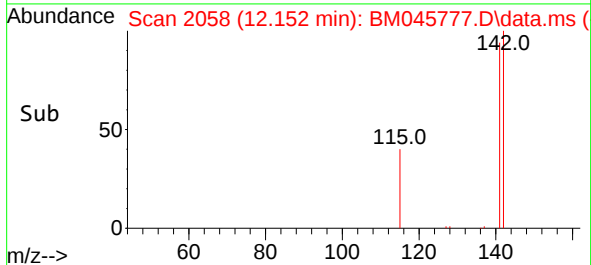
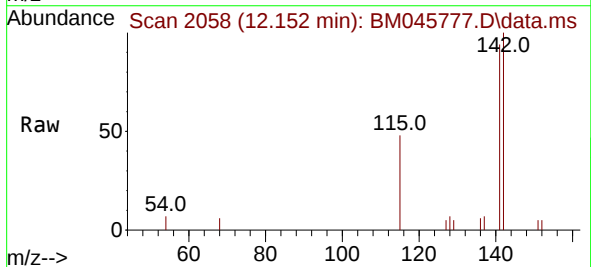
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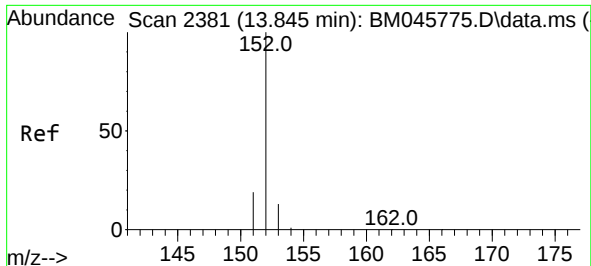
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#8
1-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.152 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

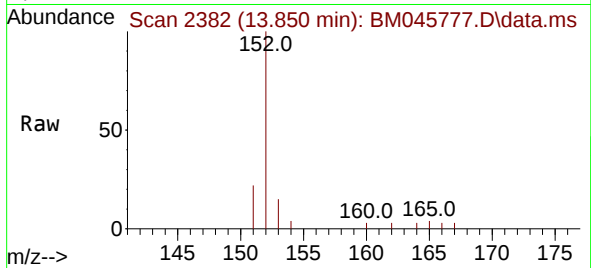
Tgt Ion:142 Resp: 2378
Ion Ratio Lower Upper
142 100
141 91.7 73.3 109.9





#10
Acenaphthylene
Concen: 0.066 ng/u1
RT: 13.850 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

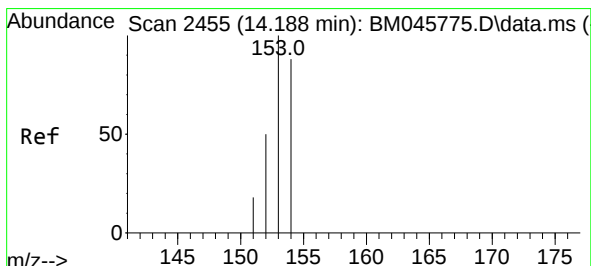
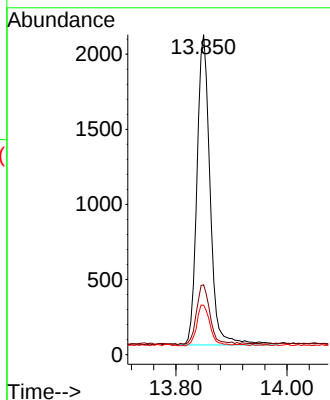
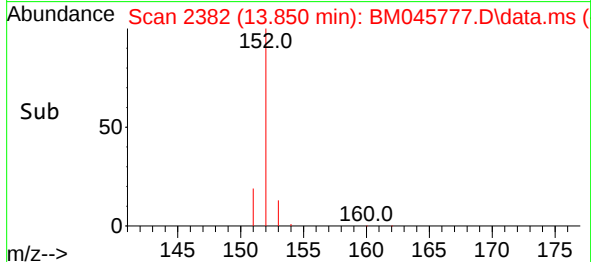
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:152 Resp: 339
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.4
153 15.4 10.8 16.2

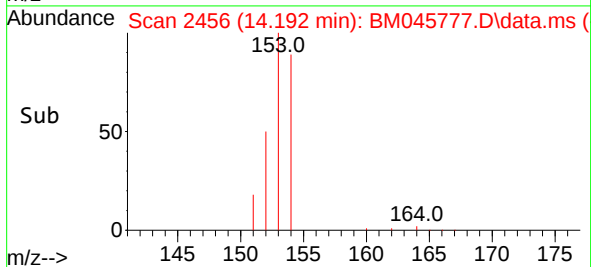
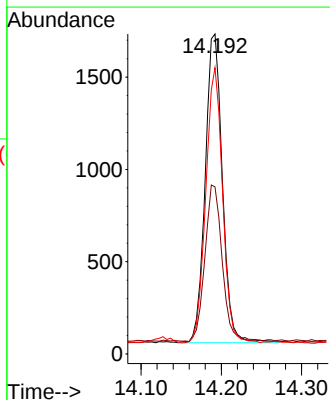
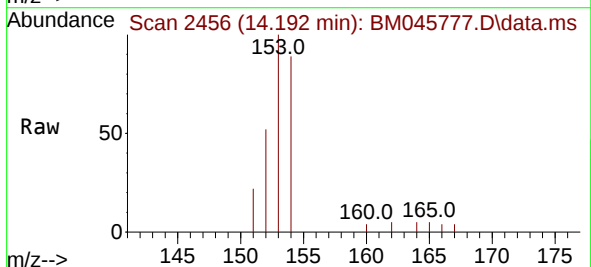
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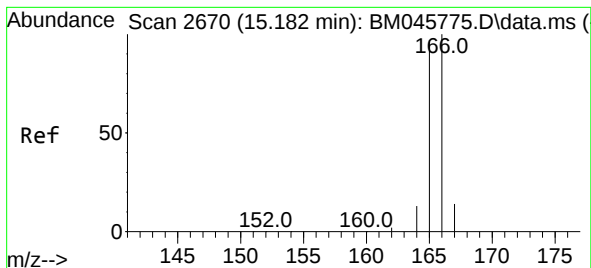
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#11
Acenaphthene
Concen: 0.067 ng/u1
RT: 14.192 min Scan# 2456
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

Tgt Ion:153 Resp: 2485
Ion Ratio Lower Upper
153 100
152 52.2 39.7 59.5
154 89.4 70.2 105.4





#12

Fluorene

Concen: 0.066 ng/ul

RT: 15.182 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM045777.D

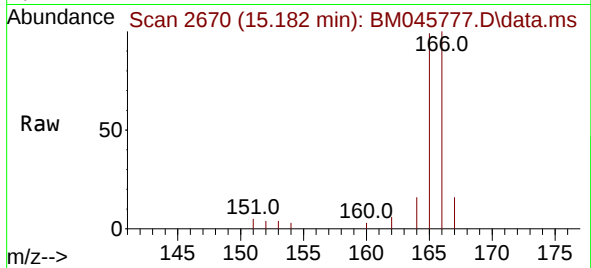
Acq: 29 May 2024 11:42

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2024-03

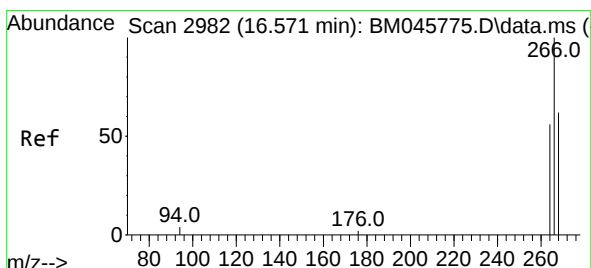
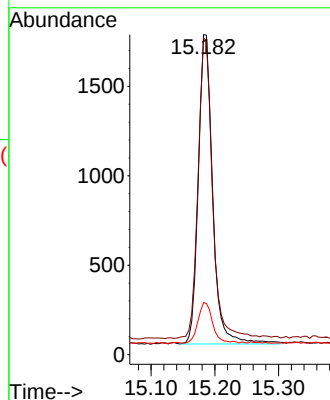
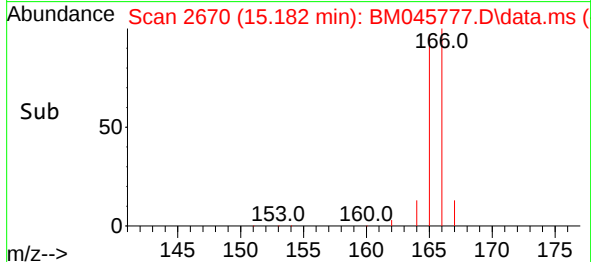


Tgt Ion:	166	Resp:	271
Ion Ratio	100	Lower	Upper
166	100		
165	98.9	79.5	119.3
167	16.3	11.2	16.8

Manual Integrations

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Supervised By :mohammad ahmed 05/31/2024



#14

Pentachlorophenol

Concen: 0.072 ng/ul m

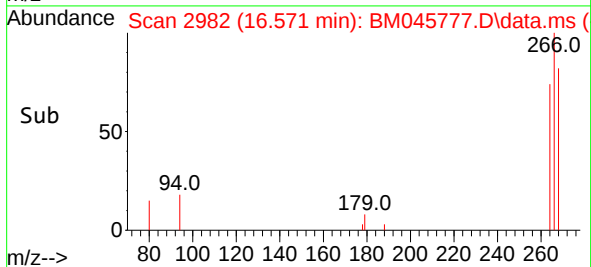
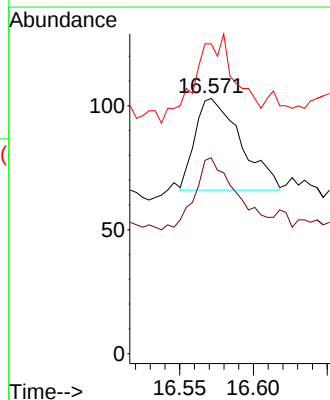
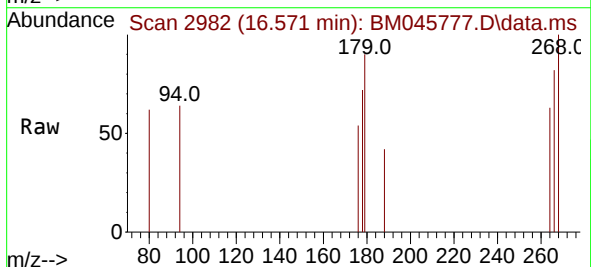
RT: 16.571 min Scan# 2982

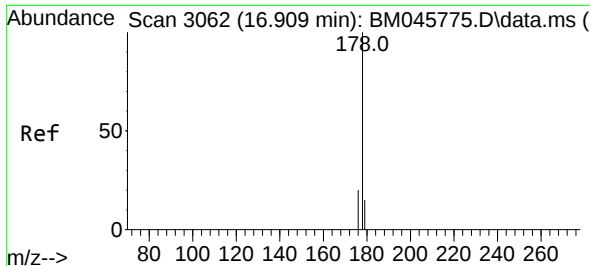
Delta R.T. 0.008 min

Lab File: BM045777.D

Acq: 29 May 2024 11:42

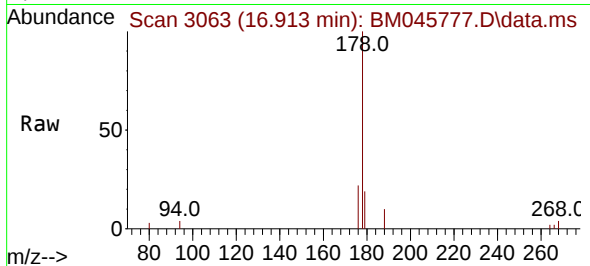
Tgt Ion:	266	Resp:	80
Ion Ratio	100	Lower	Upper
266	100		
264	70.0	48.1	72.1
268	86.3	50.2	75.2





#15
Phenanthrene
Concen: 0.066 ng/u1
RT: 16.913 min Scan# 3063
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

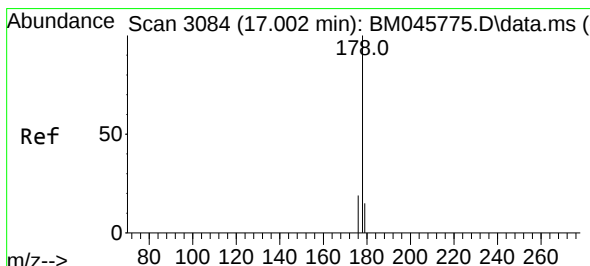
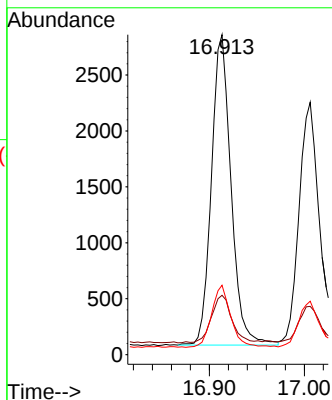
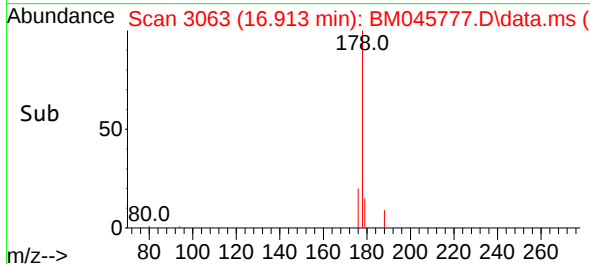
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:178 Resp: 399
Ion Ratio Lower Upper
178 100
179 18.6 12.6 19.0
176 21.7 15.6 23.4

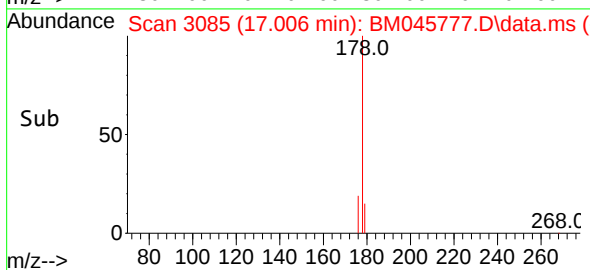
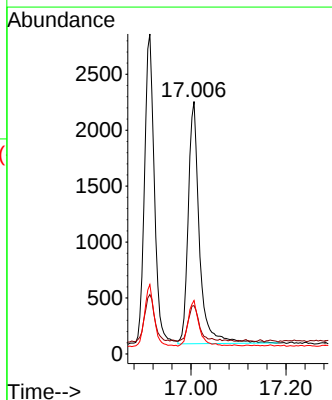
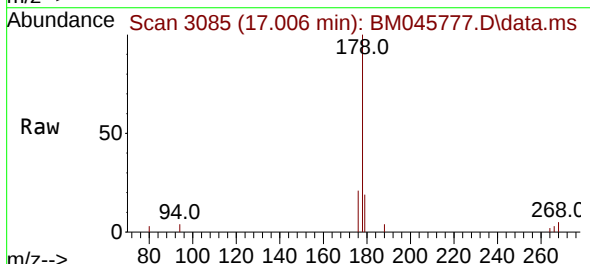
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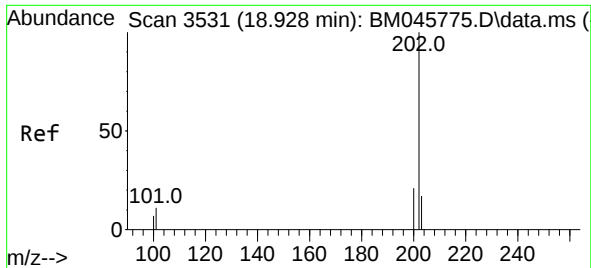
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#16
Anthracene
Concen: 0.063 ng/u1
RT: 17.006 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

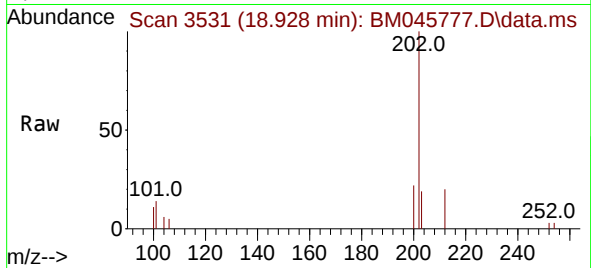
Tgt Ion:178 Resp: 3535
Ion Ratio Lower Upper
178 100
179 19.1 12.9 19.3
176 21.2 14.7 22.1





#19
Fluoranthene
Concen: 0.069 ng/ul
RT: 18.928 min Scan# 3531
Delta R.T. -0.005 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

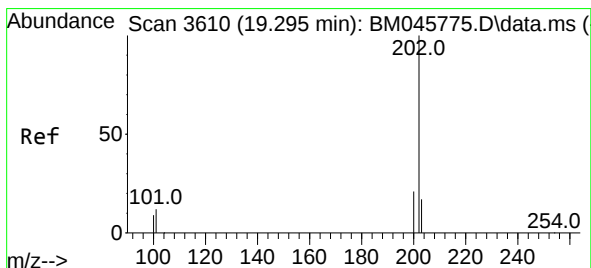
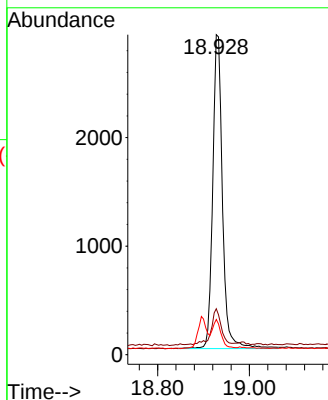
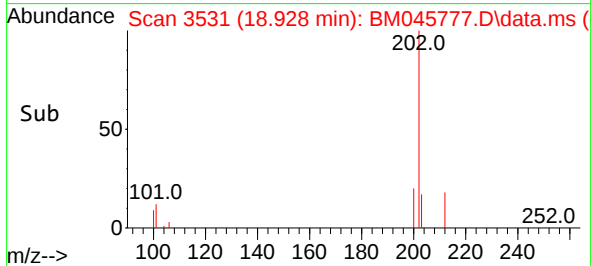
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:202 Resp: 426
Ion Ratio Lower Upper
202 100
101 14.4 8.9 13.3
100 11.0 6.7 10.1

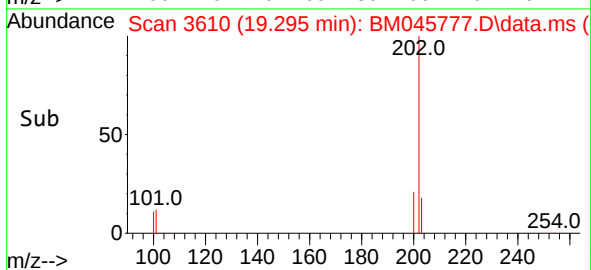
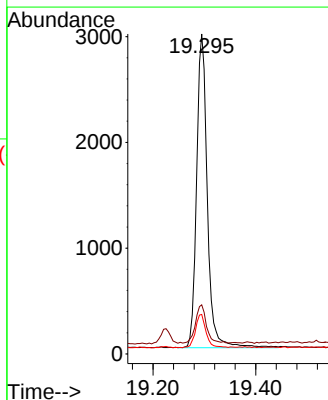
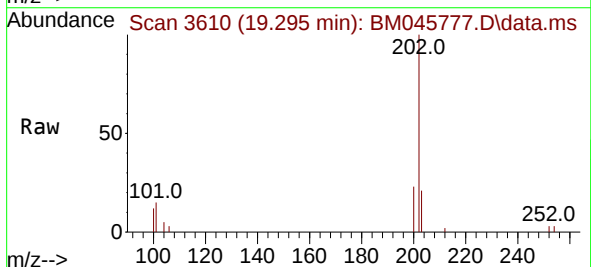
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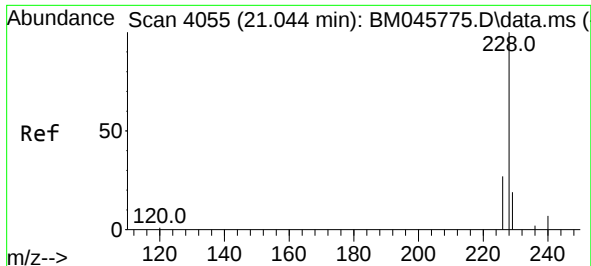
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#20
Pyrene
Concen: 0.068 ng/ul
RT: 19.295 min Scan# 3610
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

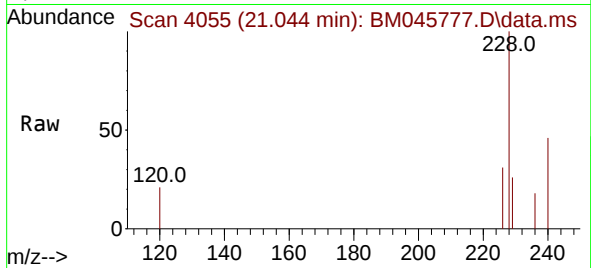
Tgt Ion:202 Resp: 4319
Ion Ratio Lower Upper
202 100
101 15.3 10.5 15.7
100 12.3 8.6 12.8





#21
Benzo(a)anthracene
Concen: 0.061 ng/u1
RT: 21.044 min Scan# 4055
Delta R.T. -0.003 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

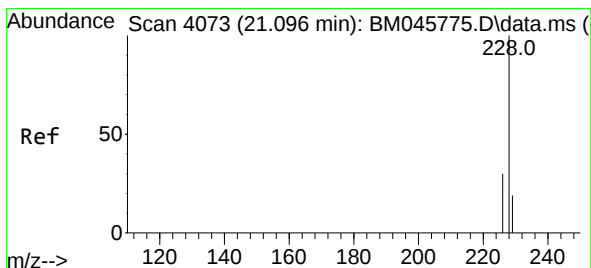
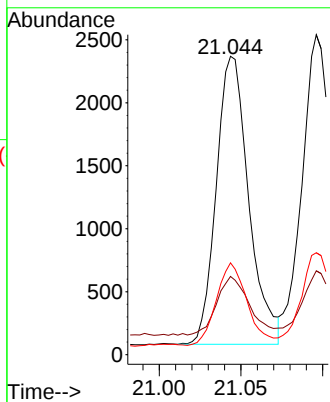
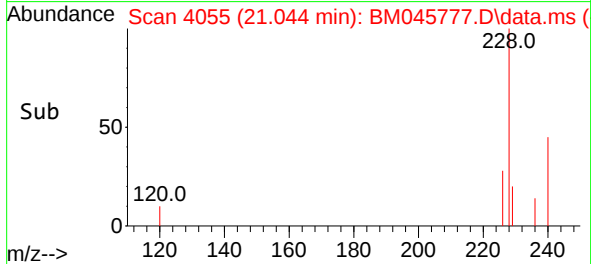
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:228 Resp: 315
Ion Ratio Lower Upper
228 100
229 26.3 16.6 25.0
226 30.8 21.8 32.6

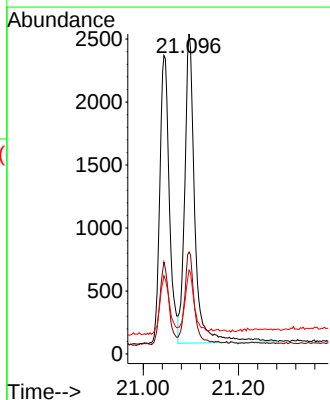
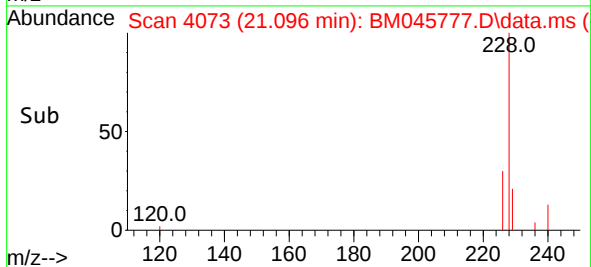
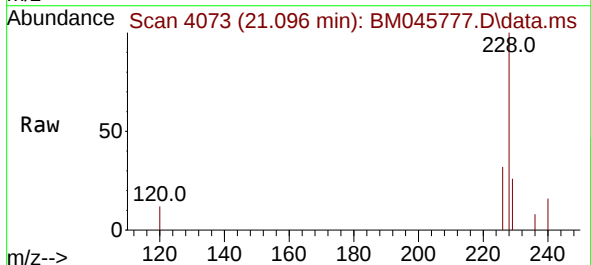
Manual Integrations
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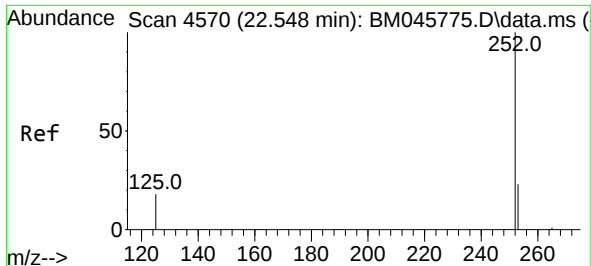
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#22
Chrysene
Concen: 0.068 ng/u1
RT: 21.096 min Scan# 4073
Delta R.T. -0.003 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

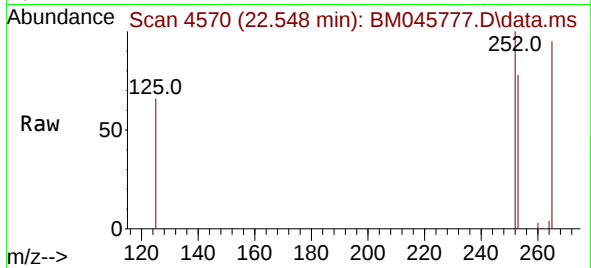
Tgt Ion:228 Resp: 3614
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 26.2 16.3 24.5#





#24
Benzo(b)fluoranthene
Concen: 0.066 ng/ul
RT: 22.548 min Scan# 4570
Delta R.T. -0.003 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

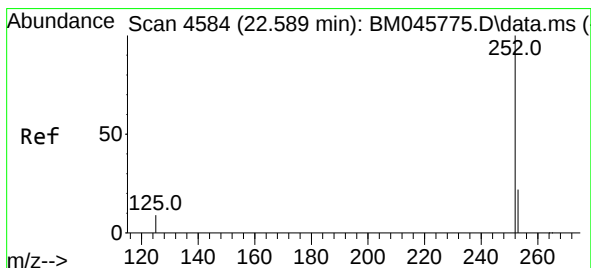
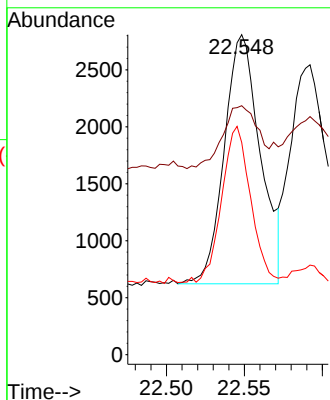
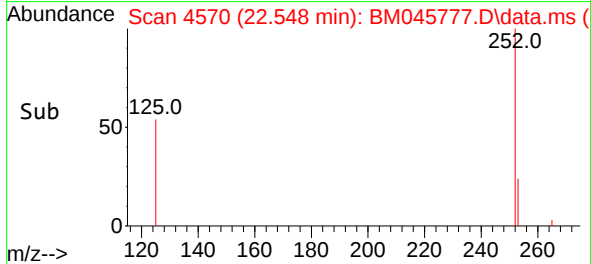
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT2-2024-03



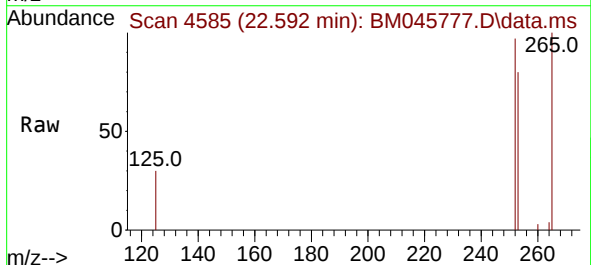
Tgt Ion:252 Resp: 3529
Ion Ratio Lower Upper
252 100
253 77.8 0.0 71.4#
125 66.3 0.0 49.2#

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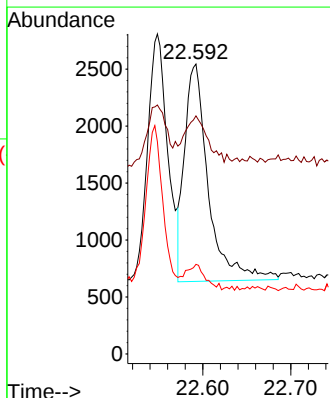
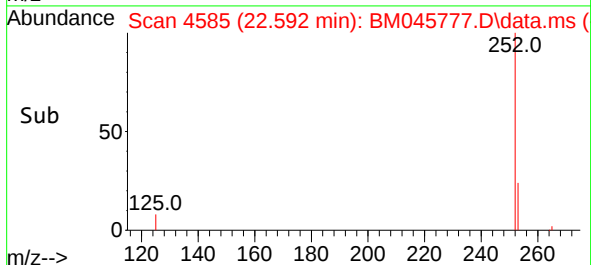
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024

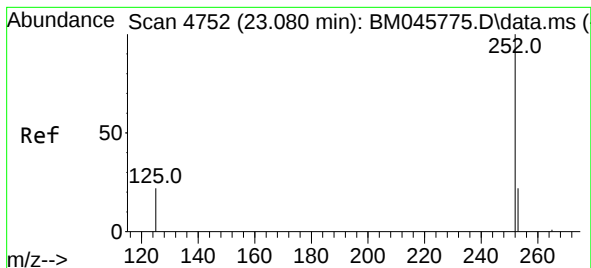


#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 22.592 min Scan# 4585
Delta R.T. -0.000 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42



Tgt Ion:252 Resp: 3582
Ion Ratio Lower Upper
252 100
253 82.1 29.4 44.0#
125 30.9 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 0.065 ng/ul

RT: 23.080 min Scan# 4752

Delta R.T. -0.003 min

Lab File: BM045777.D

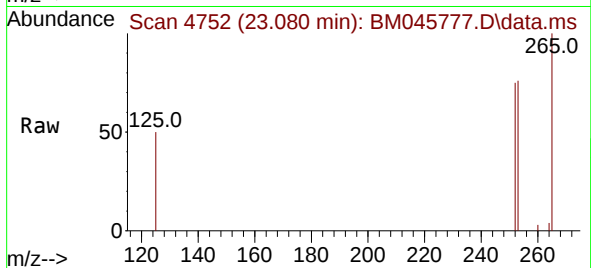
Acq: 29 May 2024 11:42

Instrument :

BNM

ClientSampleId :

MDL-WATER-QT2-2024-03

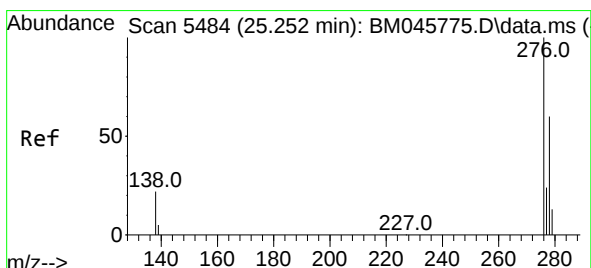
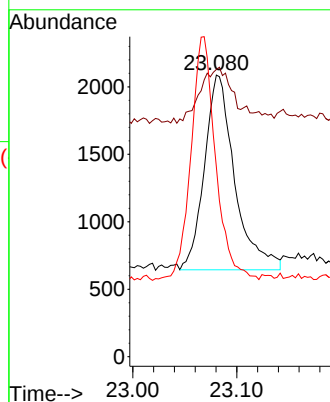
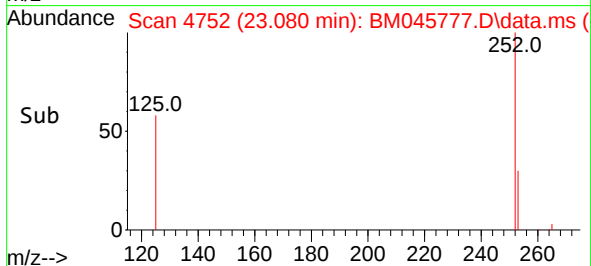


Tgt Ion	Ratio	Lower	Upper
252	100		
253	102.0	34.3	51.5
125	67.4	25.7	38.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.068 ng/ul

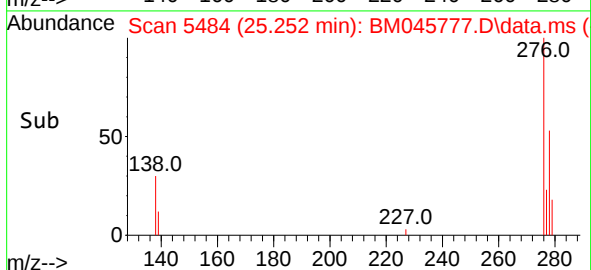
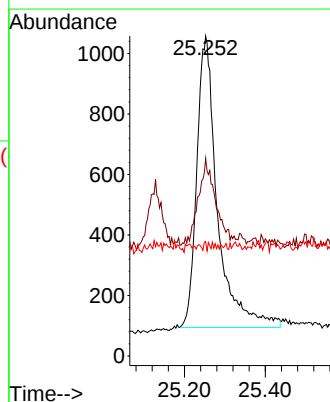
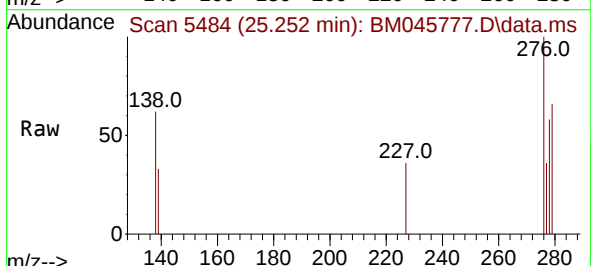
RT: 25.252 min Scan# 5484

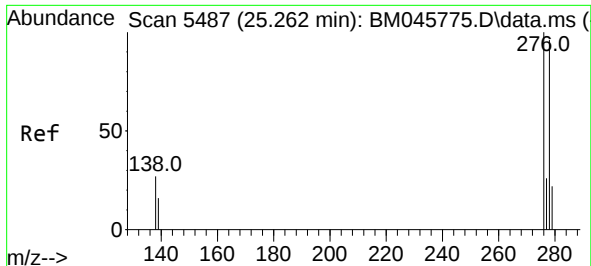
Delta R.T. -0.000 min

Lab File: BM045777.D

Acq: 29 May 2024 11:42

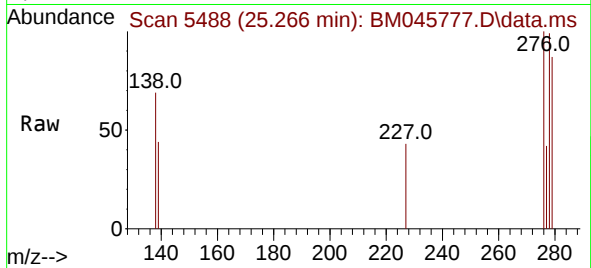
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	19.8	29.8
227	0.4	0.1	0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 25.266 min Scan# 5487
Delta R.T. -0.003 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42

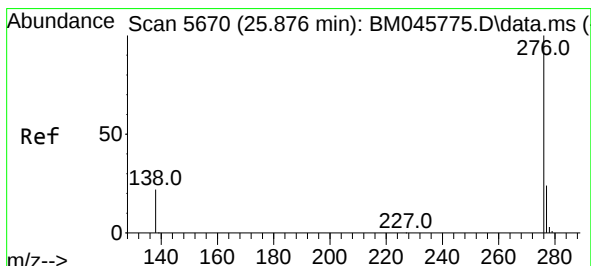
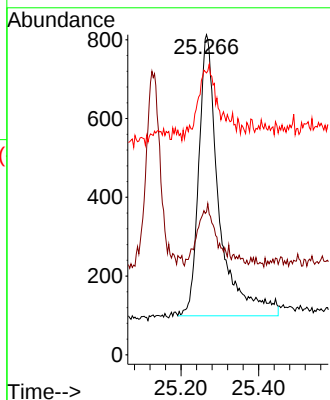
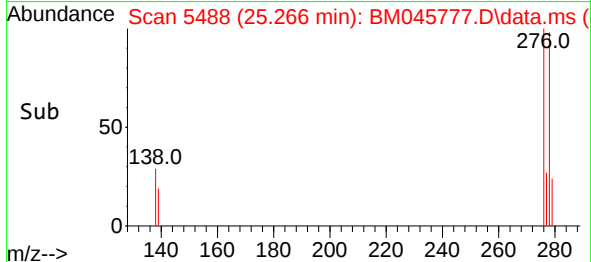
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-03



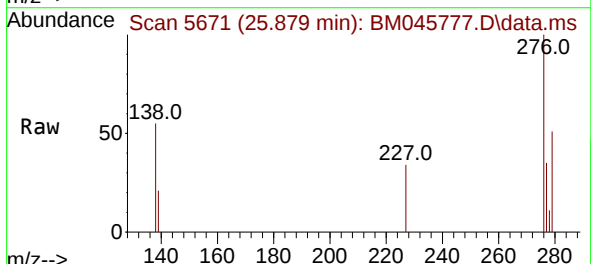
Tgt Ion:278 Resp: 2600
Ion Ratio Lower Upper
278 100
139 44.6 18.7 28.1
279 88.1 31.0 46.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/31/2024



#29
Benzo(g,h,i)perylene
Concen: 0.072 ng/ul
RT: 25.879 min Scan# 5671
Delta R.T. -0.003 min
Lab File: BM045777.D
Acq: 29 May 2024 11:42



Tgt Ion:276 Resp: 3572
Ion Ratio Lower Upper
276 100
138 54.5 23.4 35.0#
277 35.1 21.0 31.4#

