

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053024\
 Data File : BM045784.D
 Acq On : 30 May 2024 10:40
 Operator : MA/JU
 Sample : P2409-02
 Misc : SFAM-SIM-MDL-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Manual Integrations
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Reviewed By :Yogesh Patel 06/01/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 30 11:44:48 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	7.481	152	6963	0.400	ng/ul	0.00
4) Naphthalene-d8	10.259	136	21235	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.126	164	10963	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.870	188	22116	0.400	ng/ul	0.00
17) Chrysene-d12	21.059	240	14039	0.400	ng/ul	0.00
23) Perylene-d12	23.172	264	15671	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.072	96	3218	0.357	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.854	152	10680	0.364	ng/ul	0.00
18) Fluoranthene-d10	18.899	212	18391	0.380	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.101	88	539m	0.062	ng/ul	
5) Naphthalene	10.303	128	3768	0.068	ng/ul#	92
7) 2-Methylnaphthalene	11.931	142	2305	0.067	ng/ul	97
8) 1-Methylnaphthalene	12.151	142	2331	0.064	ng/ul	99
10) Acenaphthylene	13.849	152	3395	0.067	ng/ul	97
11) Acenaphthene	14.187	153	2488	0.068	ng/ul	98
12) Fluorene	15.181	166	2699	0.066	ng/ul	99
14) Pentachlorophenol	16.558	266	96m	0.084	ng/ul	
15) Phenanthrene	16.912	178	4123	0.066	ng/ul	97
16) Anthracene	17.001	178	3534m	0.061	ng/ul	
19) Fluoranthene	18.927	202	4329	0.067	ng/ul#	93
20) Pyrene	19.294	202	4447	0.066	ng/ul	96
21) Benzo(a)anthracene	21.041	228	3291	0.061	ng/ul	94
22) Chrysene	21.094	228	3586	0.064	ng/ul	94
24) Benzo(b)fluoranthene	22.546	252	3689	0.064	ng/ul#	33
25) Benzo(k)fluoranthene	22.590	252	3828	0.067	ng/ul#	59
26) Benzo(a)pyrene	23.075	252	3476	0.072	ng/ul#	34
27) Indeno(1,2,3-cd)pyrene	25.243	276	3607	0.067	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.260	278	2632	0.067	ng/ul#	53
29) Benzo(g,h,i)perylene	25.873	276	3663	0.068	ng/ul#	83

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

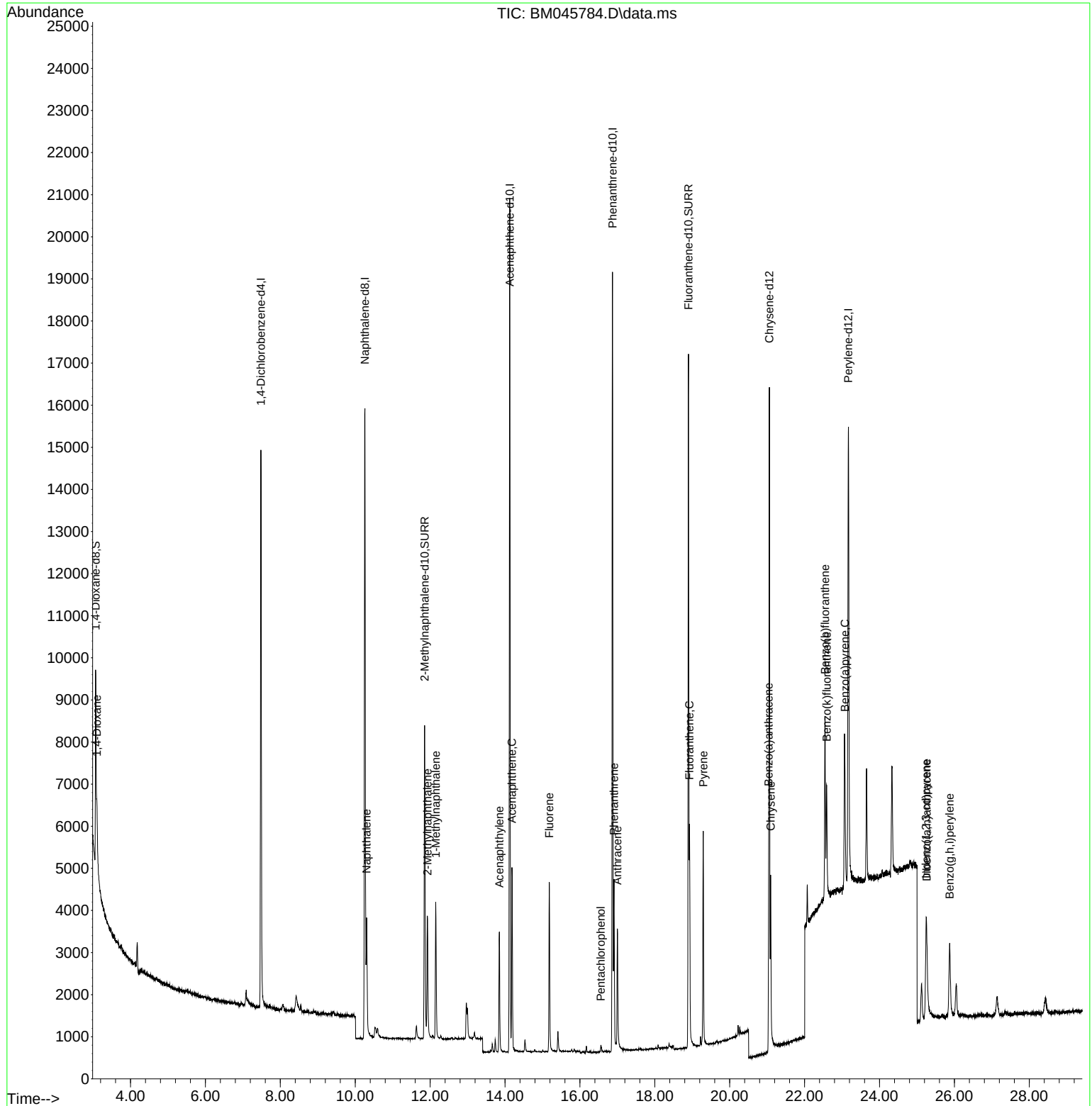
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053024\
Data File : BM045784.D
Acq On : 30 May 2024 10:40
Operator : MA/JU
Sample : P2409-02
Misc : SFAM-SIM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

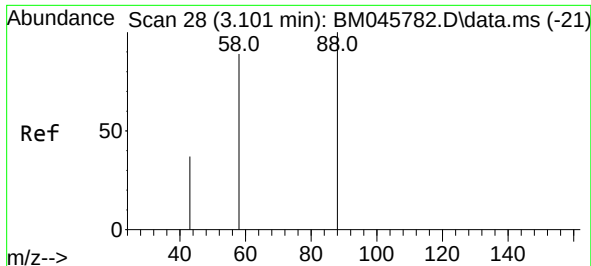
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04

Quant Time: May 30 11:44:48 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

Manual Integrations
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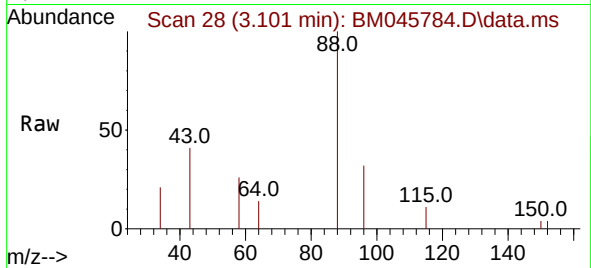
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024





#2
1,4-Dioxane
Concen: 0.062 ng/ul m
RT: 3.101 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

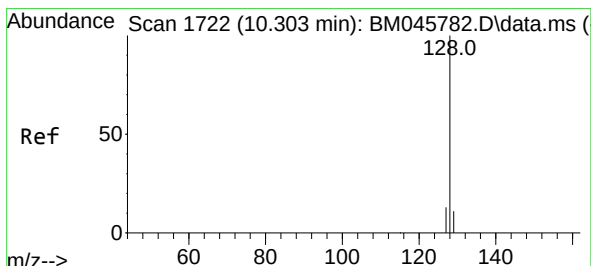
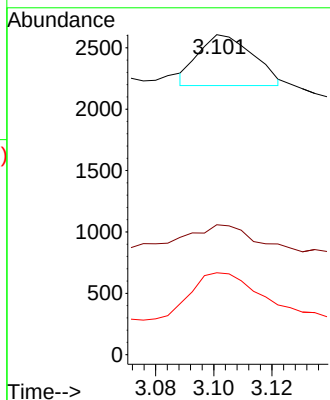
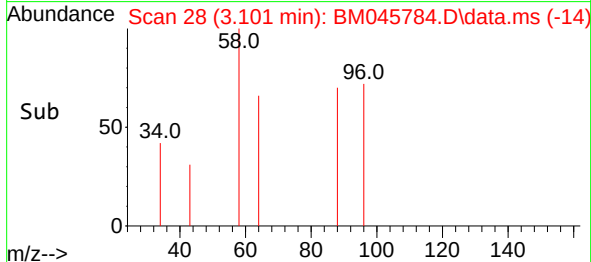
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion: 88 Resp: 539
Ion Ratio Lower Upper
88 100
43 40.6 38.4 57.6
58 25.6 47.0 70.6

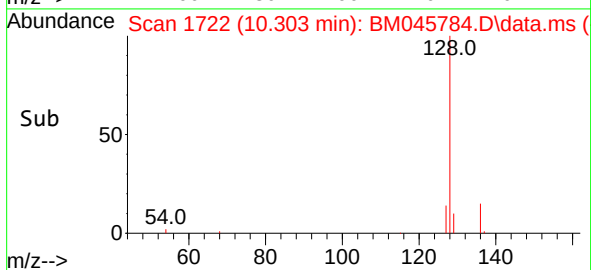
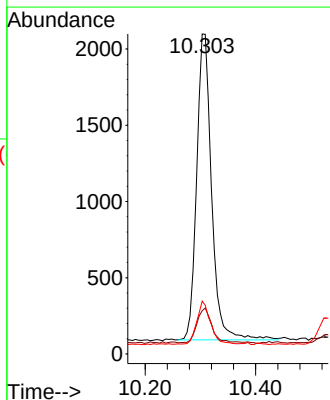
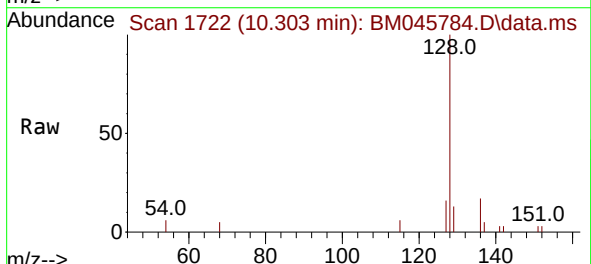
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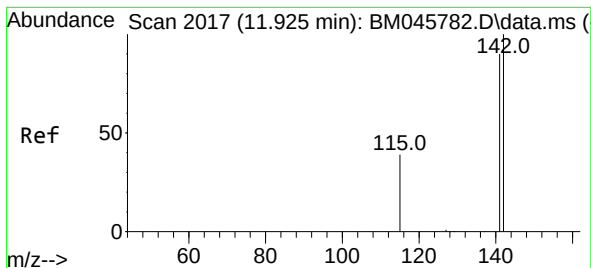
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.303 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

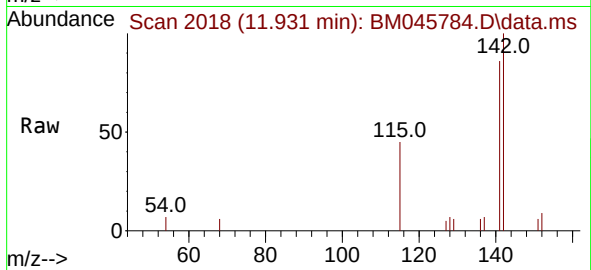
Tgt Ion:128 Resp: 3768
Ion Ratio Lower Upper
128 100
129 13.5 8.9 13.3#
127 16.5 10.3 15.5#





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 11.931 min Scan# 2017
Delta R.T. -0.001 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

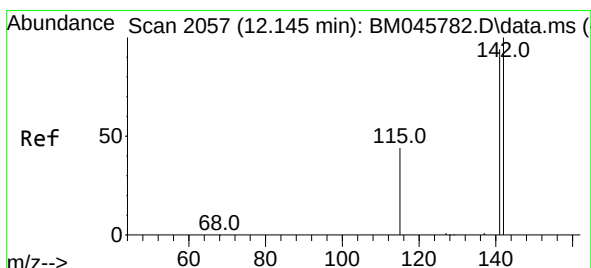
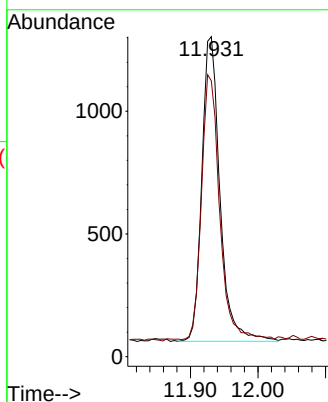
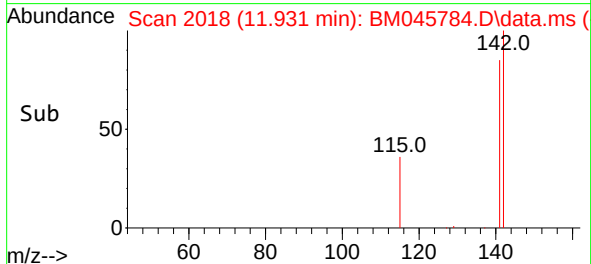
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:142 Resp: 2309
Ion Ratio Lower Upper
142 100
141 86.8 71.9 107.9

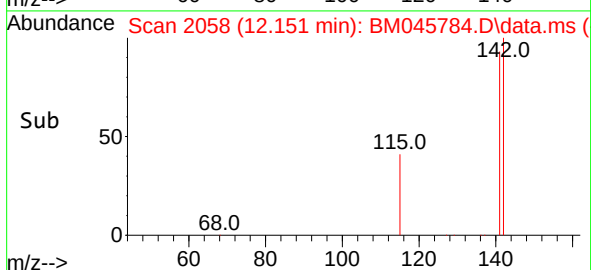
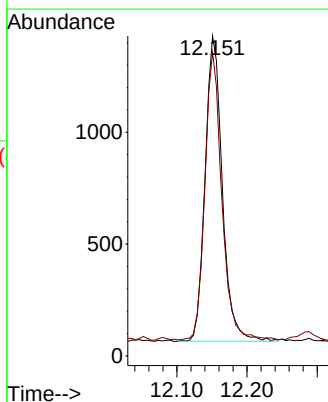
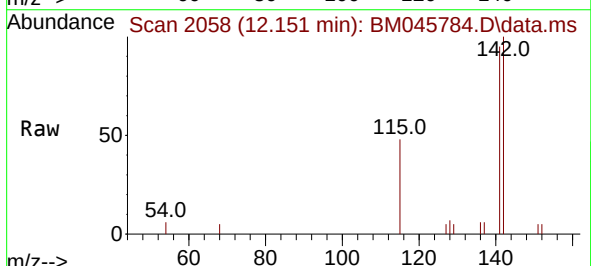
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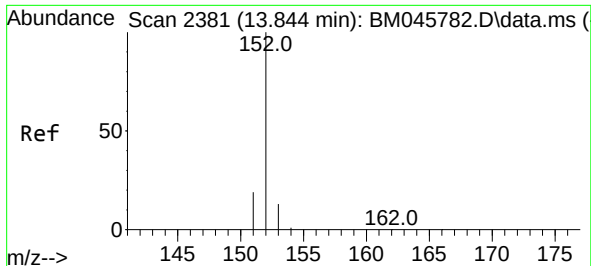
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#8
1-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.151 min Scan# 2058
Delta R.T. -0.001 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

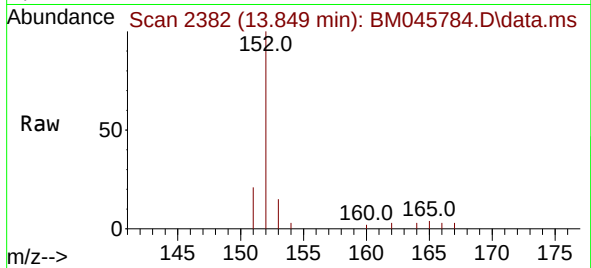
Tgt Ion:142 Resp: 2331
Ion Ratio Lower Upper
142 100
141 92.3 73.3 109.9





#10
Acenaphthylene
Concen: 0.067 ng/ul
RT: 13.849 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

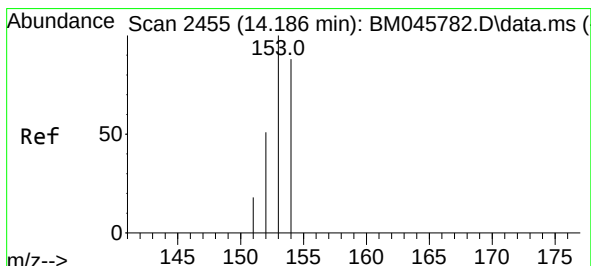
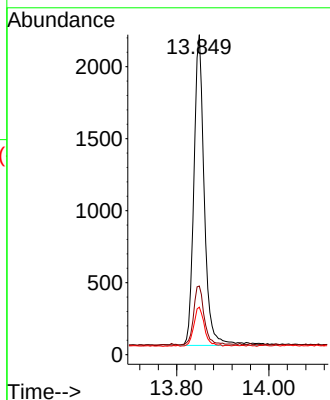
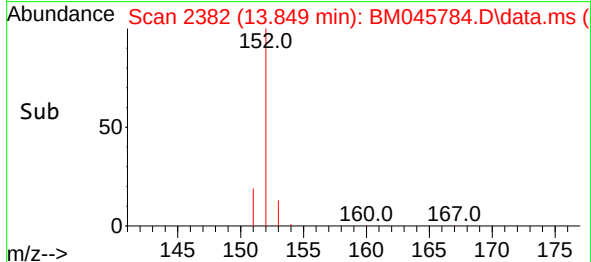
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:152 Resp: 339
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.4
153 14.9 10.8 16.2

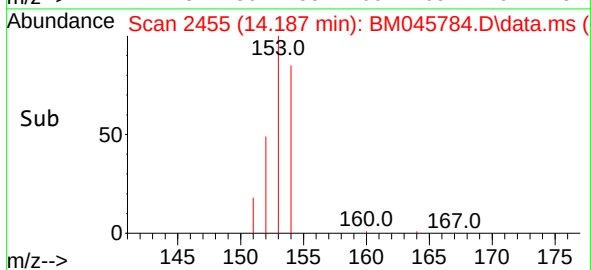
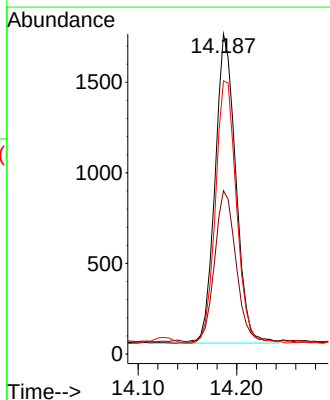
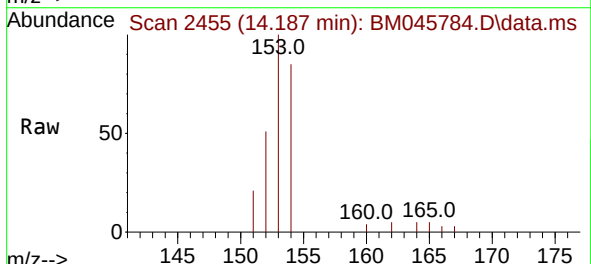
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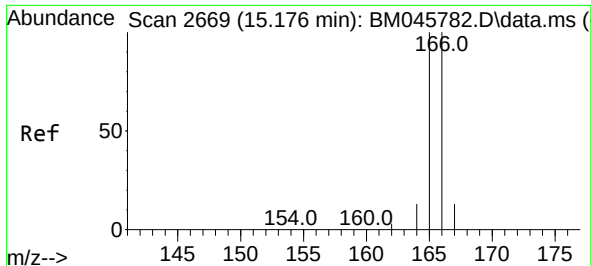
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#11
Acenaphthene
Concen: 0.068 ng/ul
RT: 14.187 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

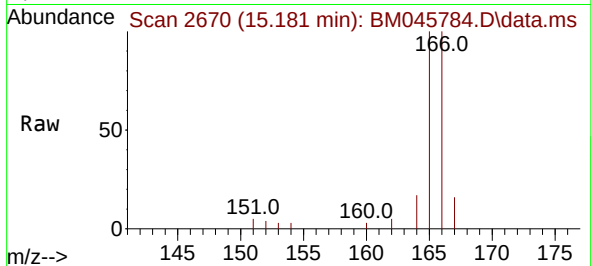
Tgt Ion:153 Resp: 2488
Ion Ratio Lower Upper
153 100
152 51.0 39.7 59.5
154 85.3 70.2 105.4





#12
Fluorene
Concen: 0.066 ng/ul
RT: 15.181 min Scan# 2699
Delta R.T. -0.001 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

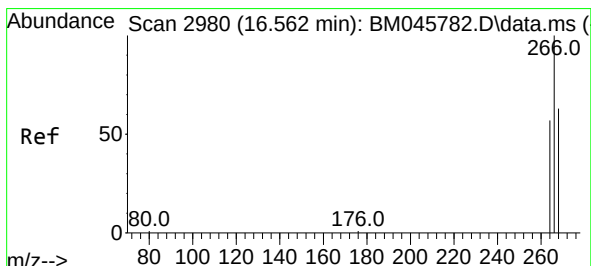
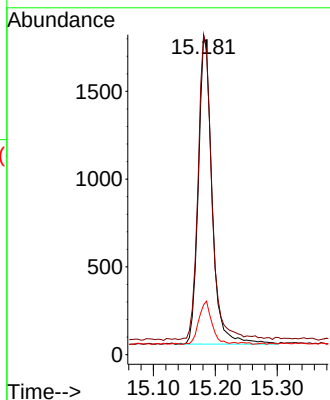
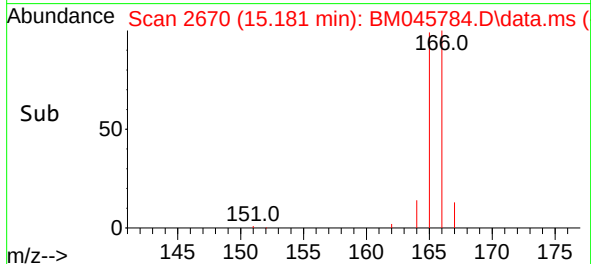
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:166 Resp: 2699
Ion Ratio Lower Upper
166 100
165 100.4 79.5 119.3
167 15.6 11.2 16.8

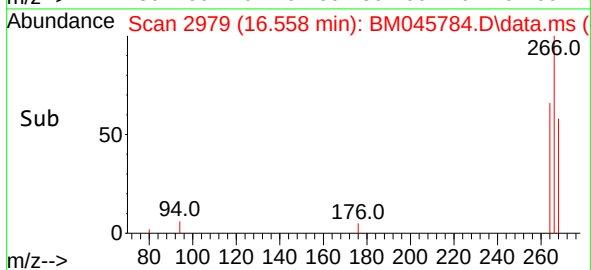
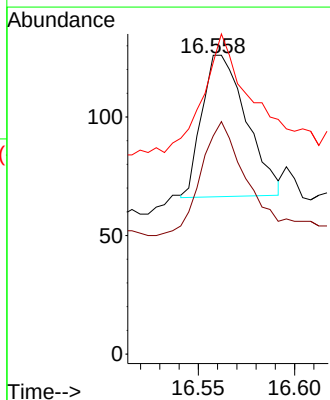
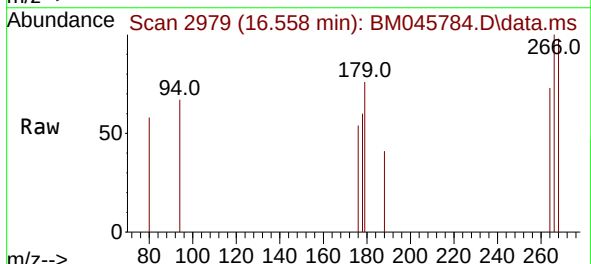
Manual Integrations
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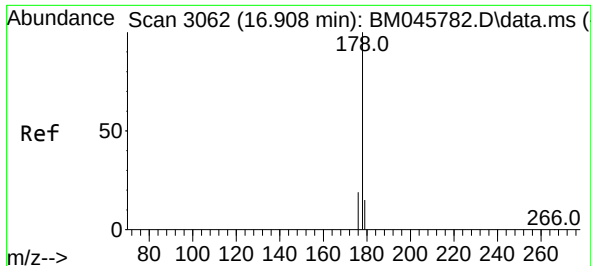
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#14
Pentachlorophenol
Concen: 0.084 ng/ul m
RT: 16.558 min Scan# 2979
Delta R.T. -0.005 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

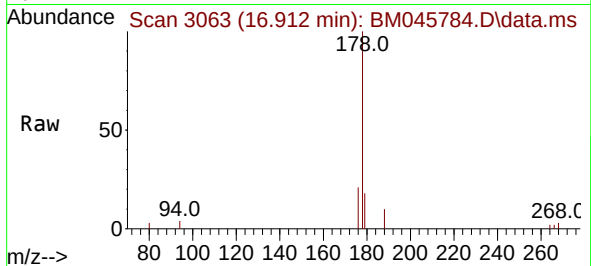
Tgt Ion:266 Resp: 96
Ion Ratio Lower Upper
266 100
264 92.7 48.1 72.1#
268 122.9 50.2 75.2#





#15
Phenanthrene
Concen: 0.066 ng/ul
RT: 16.912 min Scan# 3063
Delta R.T. -0.001 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

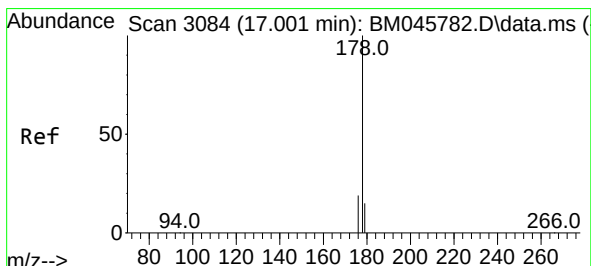
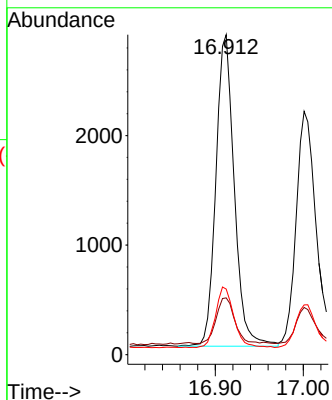
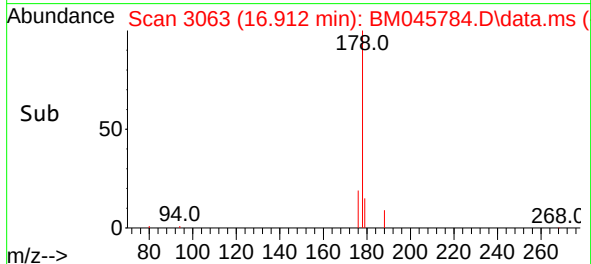
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:178 Resp: 412
Ion Ratio Lower Upper
178 100
179 17.7 12.6 19.0
176 20.5 15.6 23.4

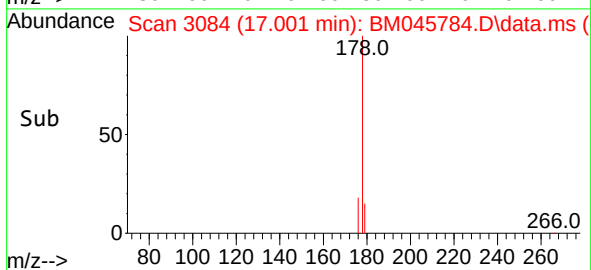
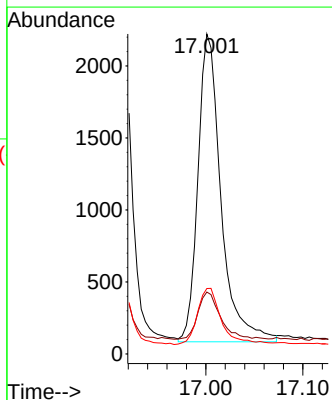
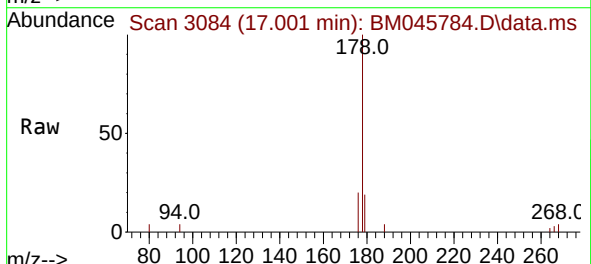
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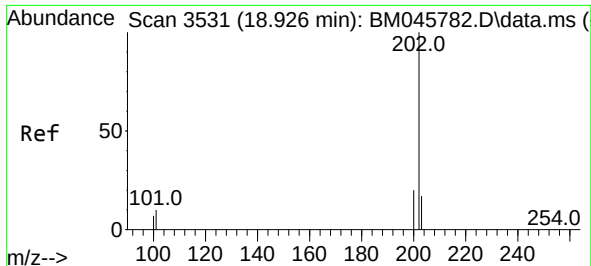
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#16
Anthracene
Concen: 0.061 ng/ul m
RT: 17.001 min Scan# 3084
Delta R.T. -0.005 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

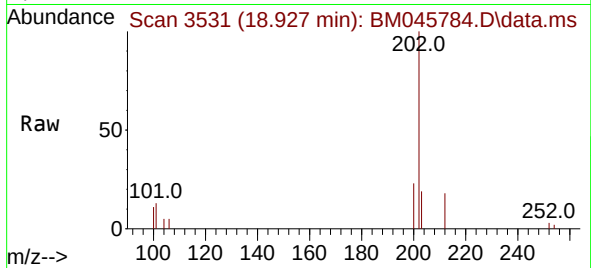
Tgt Ion:178 Resp: 3534
Ion Ratio Lower Upper
178 100
179 19.4 12.9 19.3#
176 20.4 14.7 22.1





#19
Fluoranthene
Concen: 0.067 ng/ul
RT: 18.927 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

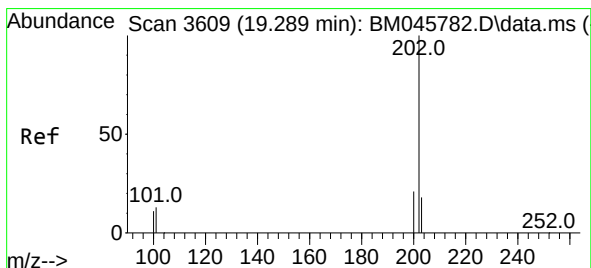
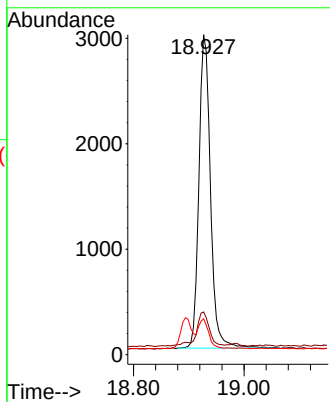
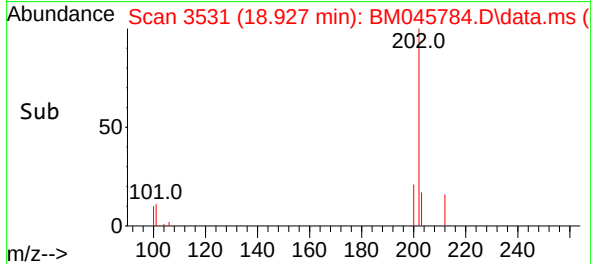
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:202 Resp: 4329
Ion Ratio Lower Upper
202 100
101 13.4 8.9 13.3
100 11.2 6.7 10.1

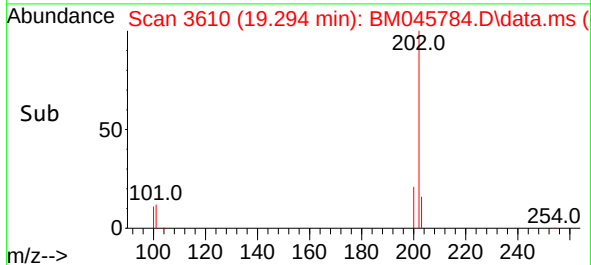
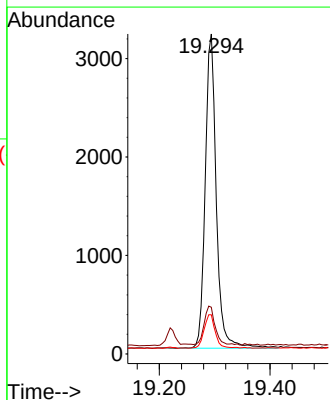
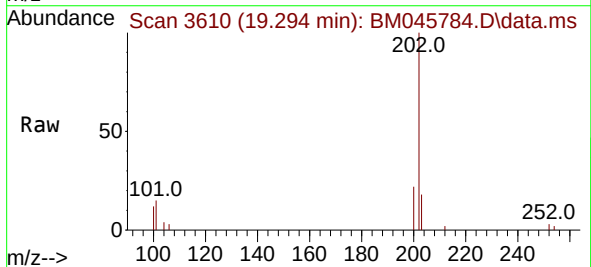
Manual Integrations
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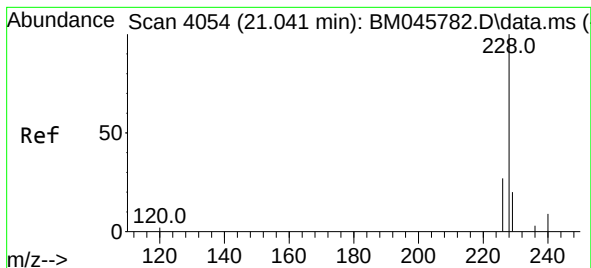
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#20
Pyrene
Concen: 0.066 ng/ul
RT: 19.294 min Scan# 3610
Delta R.T. -0.001 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

Tgt Ion:202 Resp: 4447
Ion Ratio Lower Upper
202 100
101 14.6 10.5 15.7
100 12.2 8.6 12.8





#21

Benzo(a)anthracene

Concen: 0.061 ng/ul

RT: 21.041 min Scan# 4054

Delta R.T. -0.005 min

Lab File: BM045784.D

Acq: 30 May 2024 10:40

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2024-04

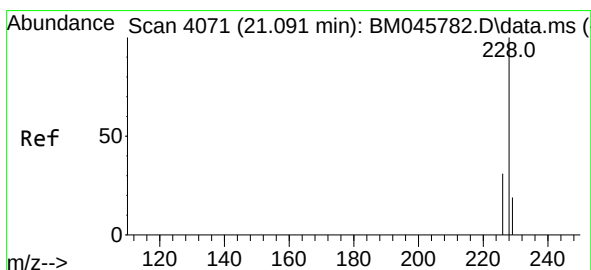
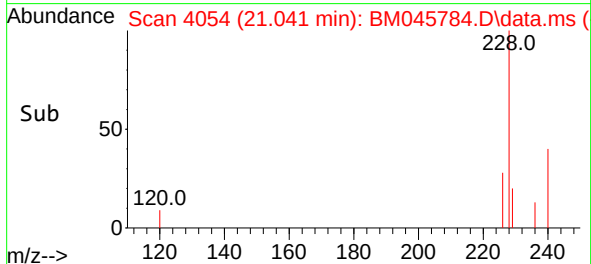
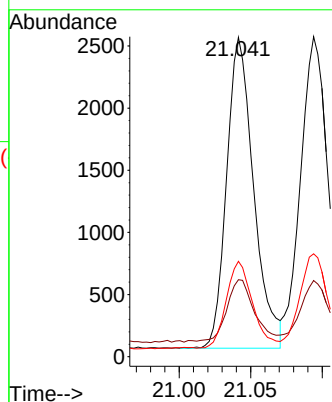
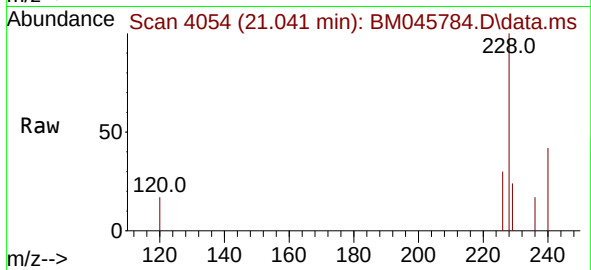
Tgt Ion:228	Resp:	329
Ion Ratio	Lower	Upper
228	100	
229	24.1	16.6 25.0
226	29.9	21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2024

Supervised By :mohammad ahmed 06/01/2024



#22

Chrysene

Concen: 0.064 ng/ul

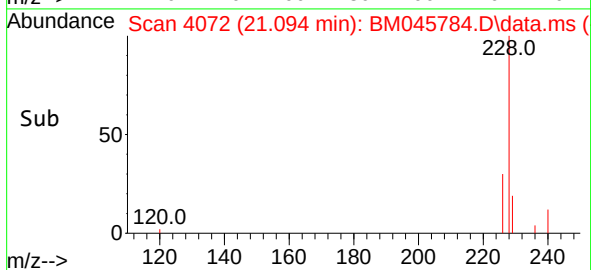
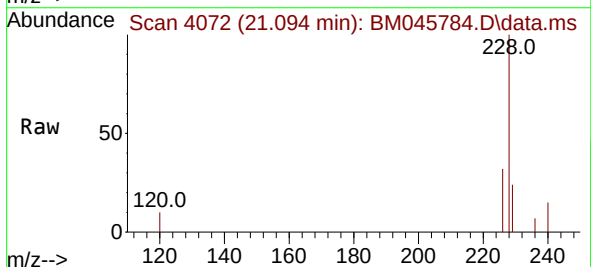
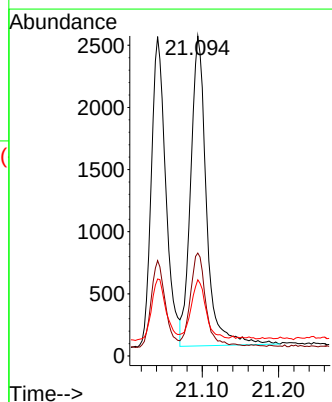
RT: 21.094 min Scan# 4072

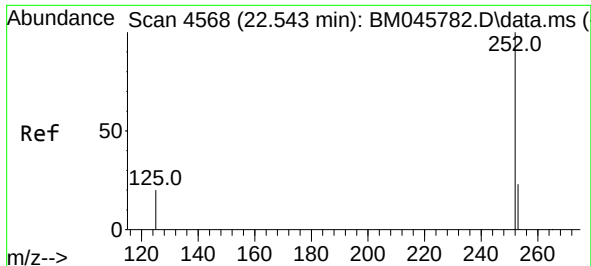
Delta R.T. -0.005 min

Lab File: BM045784.D

Acq: 30 May 2024 10:40

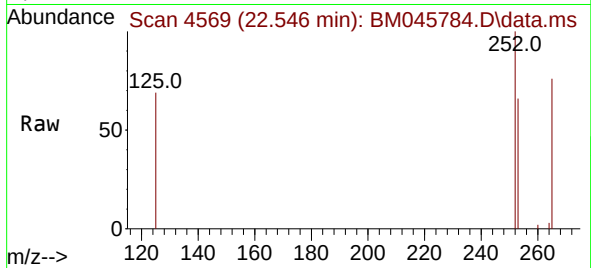
Tgt Ion:228	Resp:	3586
Ion Ratio	Lower	Upper
228	100	
226	32.2	23.8 35.8
229	23.8	16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 0.064 ng/ul
RT: 22.546 min Scan# 4569
Delta R.T. -0.005 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

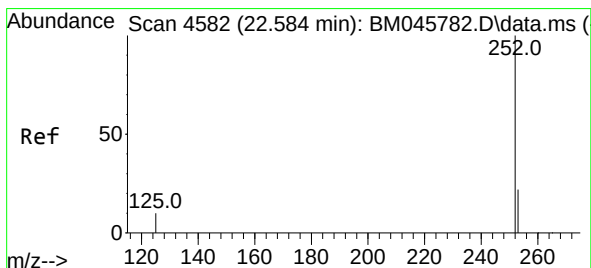
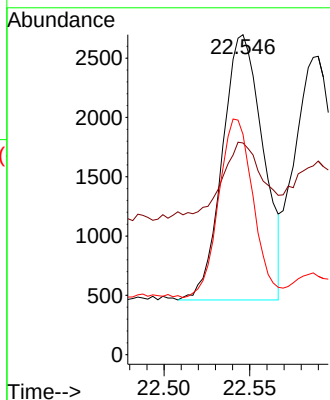
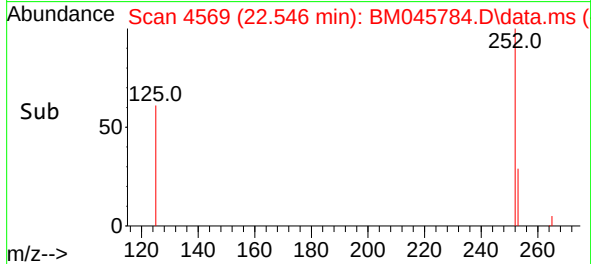
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:252 Resp: 3689
Ion Ratio Lower Upper
252 100
253 66.2 0.0 71.4
125 68.8 0.0 49.2

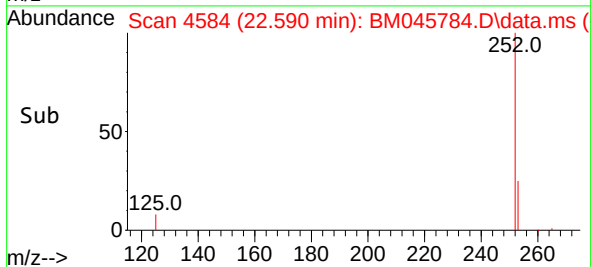
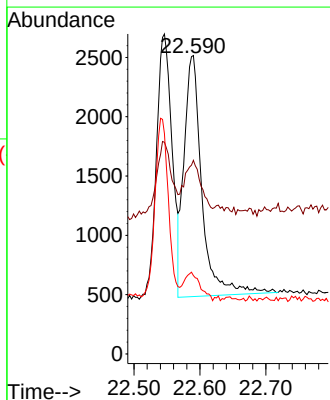
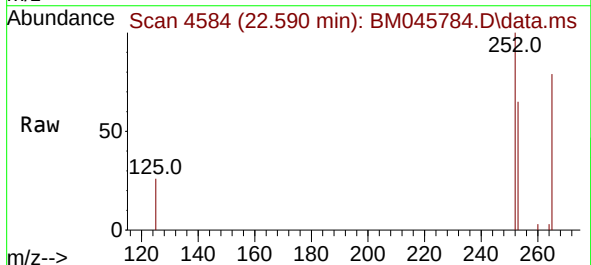
Manual Integrations
APPROVED

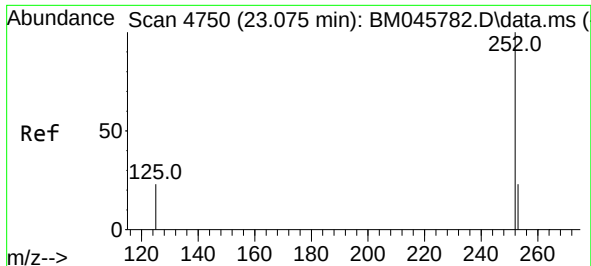
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#25
Benzo(k)fluoranthene
Concen: 0.067 ng/ul
RT: 22.590 min Scan# 4584
Delta R.T. -0.002 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

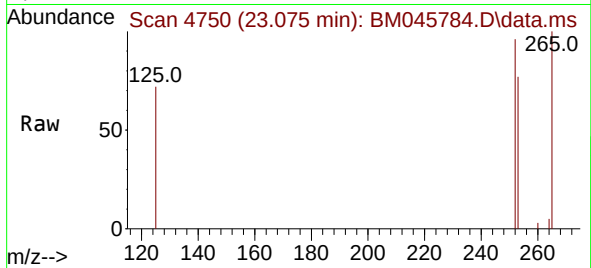
Tgt Ion:252 Resp: 3828
Ion Ratio Lower Upper
252 100
253 64.9 29.4 44.0#
125 26.3 12.6 18.8#





#26
Benzo(a)pyrene
Concen: 0.072 ng/ul
RT: 23.075 min Scan# 4750
Delta R.T. -0.008 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

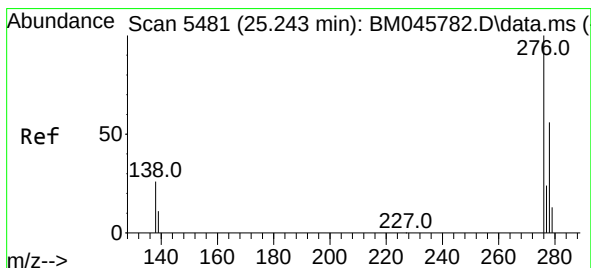
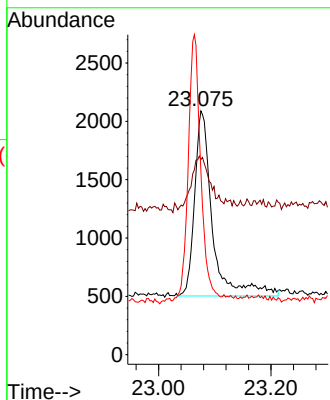
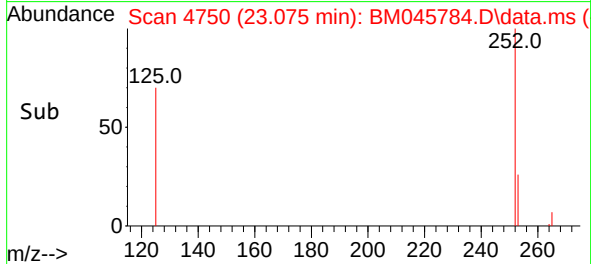
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



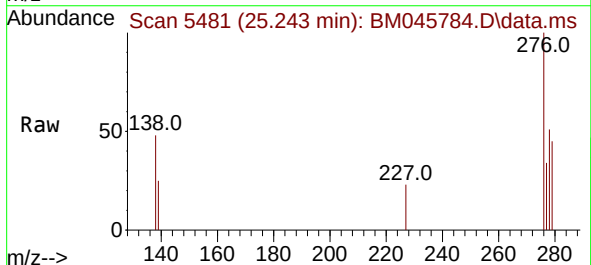
Tgt Ion:252 Resp: 3470
Ion Ratio Lower Upper
252 100
253 80.1 34.3 51.5
125 75.1 25.7 38.5

Manual Integrations
APPROVED

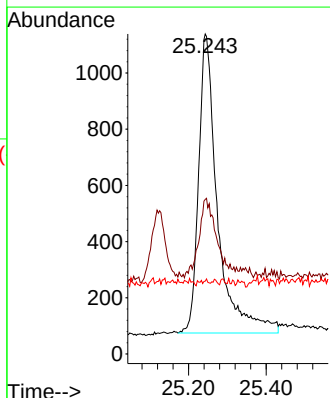
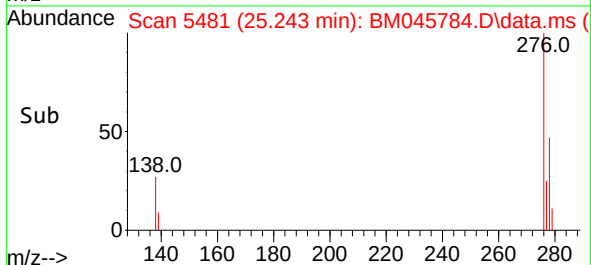
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024

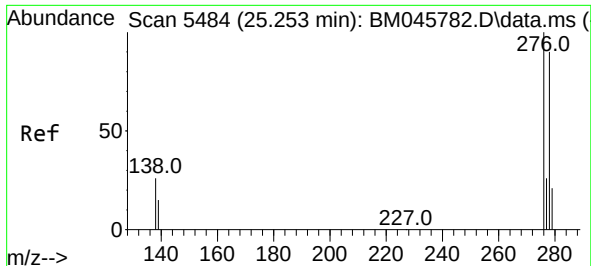


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.067 ng/ul
RT: 25.243 min Scan# 5481
Delta R.T. -0.009 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40



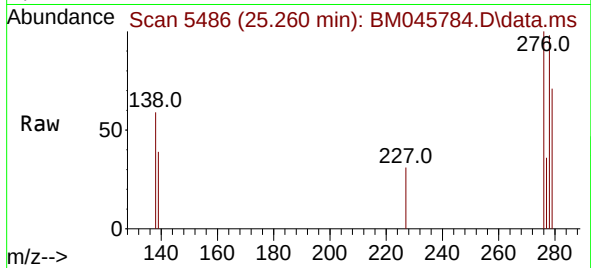
Tgt Ion:276 Resp: 3607
Ion Ratio Lower Upper
276 100
138 25.5 19.8 29.8
227 0.4 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.067 ng/ul
RT: 25.260 min Scan# 5484
Delta R.T. -0.009 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

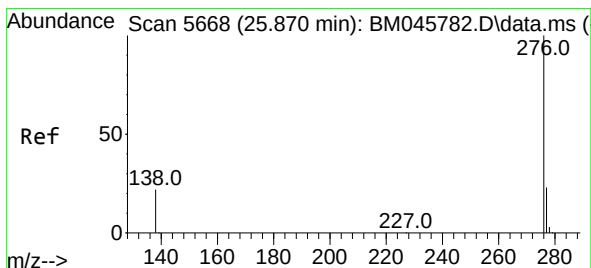
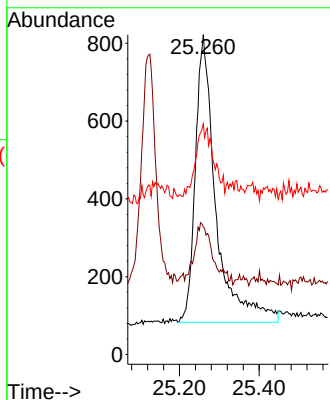
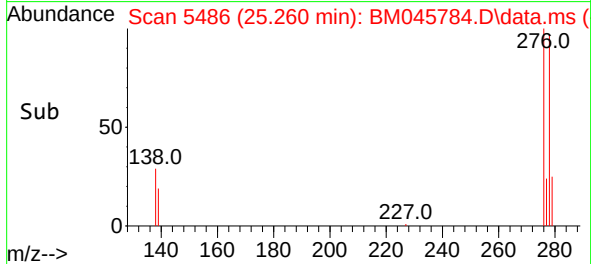
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:278 Resp: 2632
Ion Ratio Lower Upper
278 100
139 39.9 18.7 28.1
279 72.1 31.0 46.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#29
Benzo(g,h,i)perylene
Concen: 0.068 ng/ul
RT: 25.873 min Scan# 5669
Delta R.T. -0.009 min
Lab File: BM045784.D
Acq: 30 May 2024 10:40

Tgt Ion:276 Resp: 3663
Ion Ratio Lower Upper
276 100
138 42.4 23.4 35.0
277 31.0 21.0 31.4

