

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101823\
 Data File : BM042353.D
 Acq On : 18 Oct 2023 17:05
 Operator : MA/JU
 Sample : 03573-01
 Misc : SFAM-SIM-WATER- MDL- 01
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Oct 18 17:38:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 14:30:27 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	3608	0.400	ng/ul	0.00
4) Naphthalene-d8	10.836	136	9557	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.653	164	4060	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7803	0.400	ng/ul	0.00
17) Chrysene-d12	21.584	240	3205	0.400	ng/ul	0.00
23) Perylene-d12	24.054	264	3047	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.377	96	2245	0.421	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.420	152	4506	0.383	ng/ul	0.00
18) Fluoranthene-d10	19.428	212	5879	0.405	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.411	88	587m	0.104	ng/ul	
5) Naphthalene	10.885	128	2143	0.070	ng/ul#	90
7) 2-Methylnaphthalene	12.491	142	1226	0.069	ng/ul	98
8) 1-Methylnaphthalene	12.711	142	1249	0.069	ng/ul	99
10) Acenaphthylene	14.385	152	1708	0.070	ng/ul#	92
11) Acenaphthene	14.718	153	1388	0.070	ng/ul	98
12) Fluorene	15.708	166	1492	0.069	ng/ul#	99
14) Pentachlorophenol	17.047	266	197	0.066	ng/ul	99
15) Phenanthrene	17.448	178	2324	0.069	ng/ul#	91
16) Anthracene	17.545	178	1869	0.065	ng/ul#	90
19) Fluoranthene	19.456	202	2469	0.070	ng/ul	95
20) Pyrene	19.823	202	2460	0.068	ng/ul	93
21) Benzo(a)anthracene	21.569	228	1657	0.069	ng/ul	95
22) Chrysene	21.622	228	1836	0.075	ng/ul	97
24) Benzo(b)fluoranthene	23.291	252	1773	0.071	ng/ul	53
25) Benzo(k)fluoranthene	23.340	252	1669	0.071	ng/ul#	51
26) Benzo(a)pyrene	23.946	252	1420	0.072	ng/ul#	36
27) Indeno(1,2,3-cd)pyrene	26.664	276	1701	0.067	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.681	278	1208	0.066	ng/ul#	65
29) Benzo(g,h,i)perylene	27.462	276	1556	0.071	ng/ul#	81

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

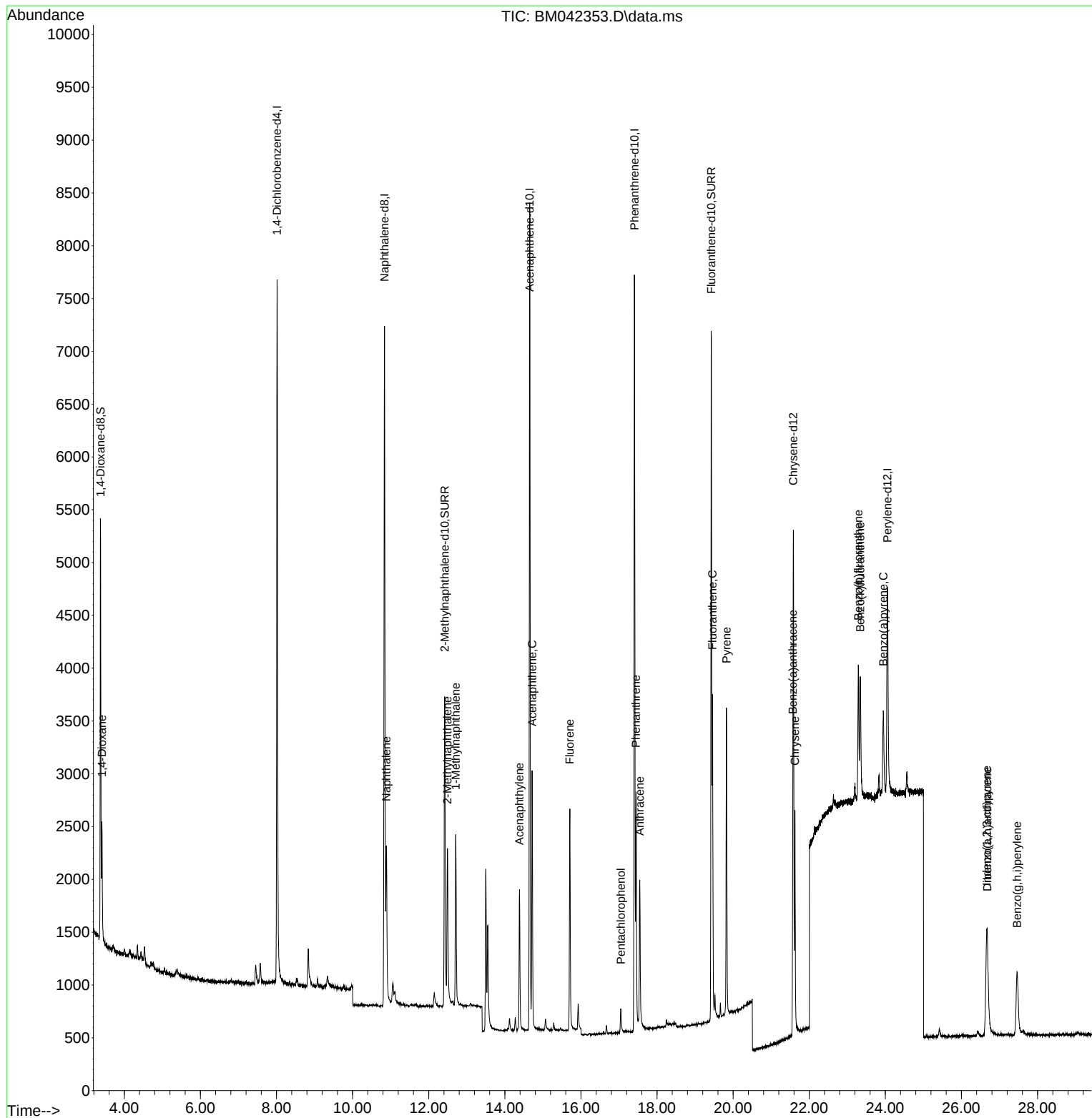
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101823\
Data File : BM042353.D
Acq On : 18 Oct 2023 17:05
Operator : MA/JU
Sample : 03573-01
Misc : SFAM-SIM-WATER- MDL- 01
ALS Vial : 13 Sample Multiplier: 1

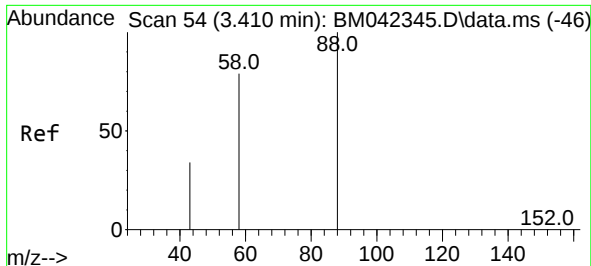
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05

Quant Time: Oct 18 17:38:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

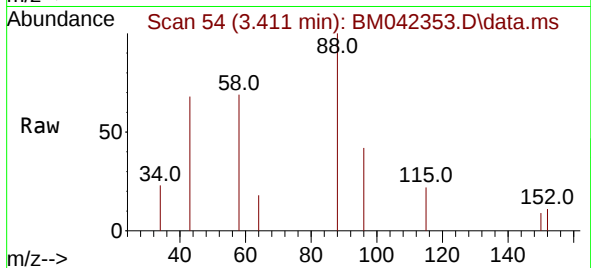
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#2
1,4-Dioxane
Concen: 0.104 ng/ul m
RT: 3.411 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

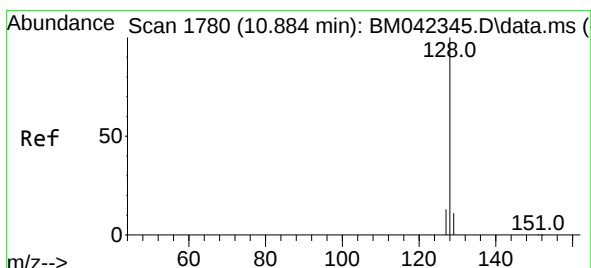
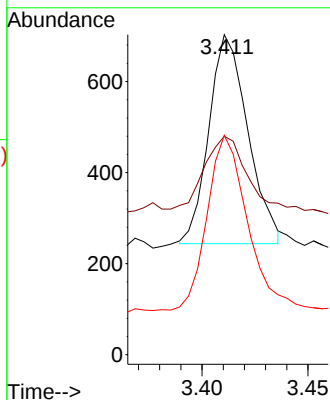
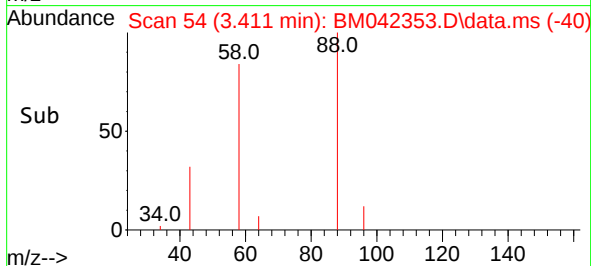
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 68.3 41.0 61.6
58 68.6 60.9 91.3

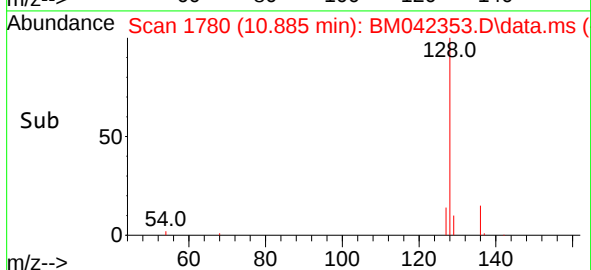
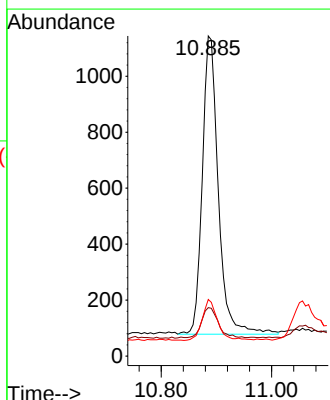
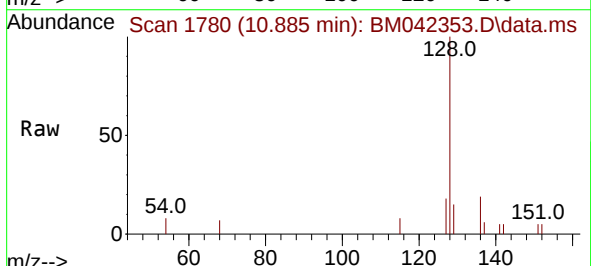
Manual Integrations
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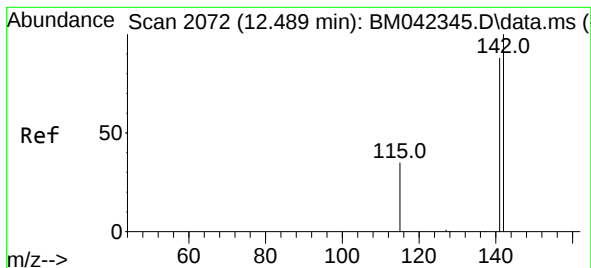
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.885 min Scan# 1780
Delta R.T. 0.002 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

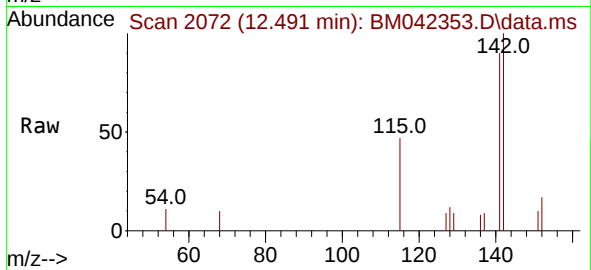
Tgt Ion:128 Resp: 2143
Ion Ratio Lower Upper
128 100
129 15.1 9.0 13.6#
127 17.7 10.6 16.0#





#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.491 min Scan# 2072
Delta R.T. 0.002 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

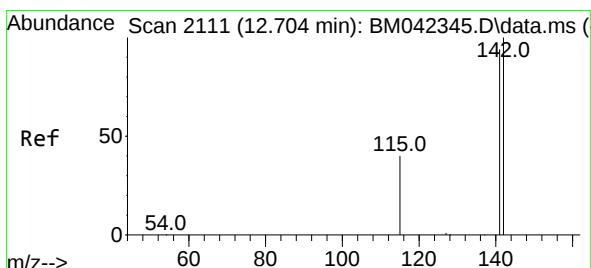
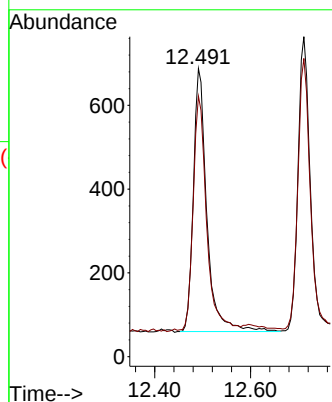
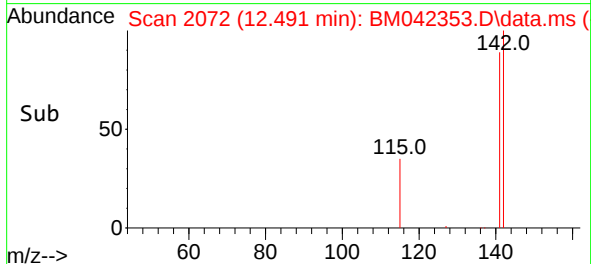
Instrument :
BNA_M
ClientSampleId :
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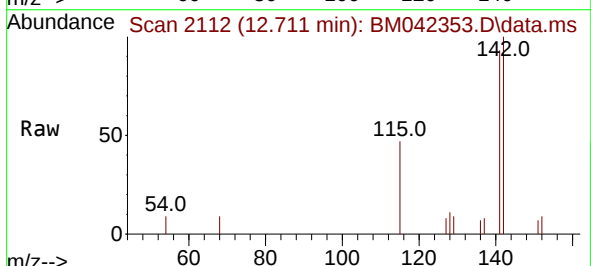
Tgt Ion:142 Resp: 1220
Ion Ratio Lower Upper
142 100
141 88.3 71.9 107.9

Manual Integrations
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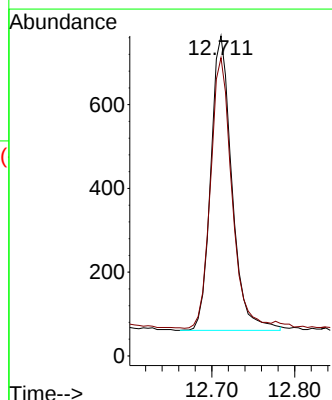
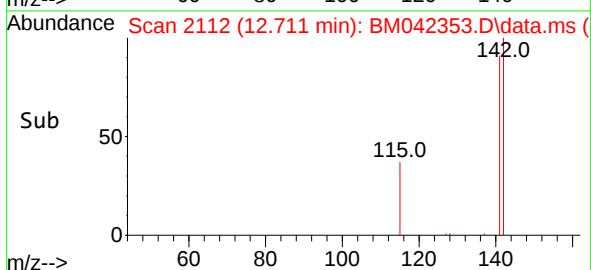
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

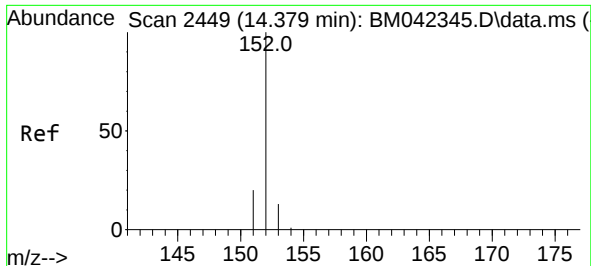


#8
1-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.711 min Scan# 2112
Delta R.T. 0.007 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05



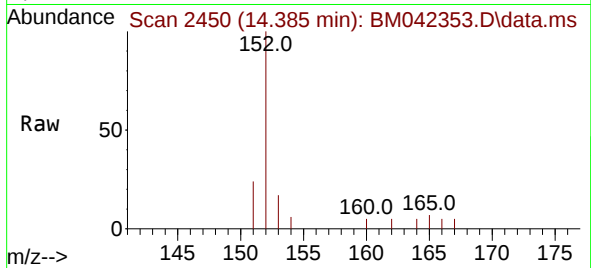
Tgt Ion:142 Resp: 1249
Ion Ratio Lower Upper
142 100
141 93.2 73.7 110.5





#10
Acenaphthylene
Concen: 0.070 ng/ul
RT: 14.385 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

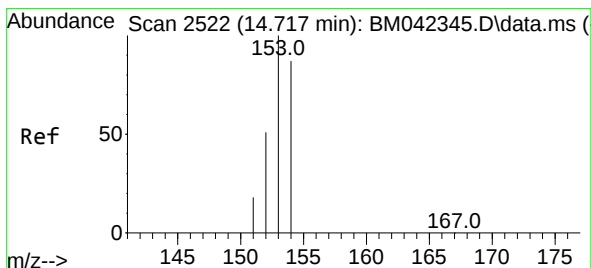
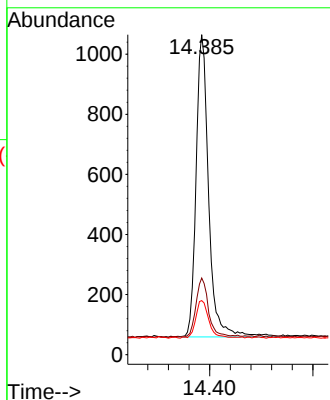
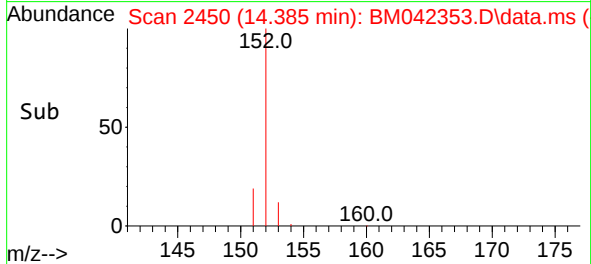
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:152 Resp: 1708
Ion Ratio Lower Upper
152 100
151 23.9 16.2 24.4
153 16.9 10.8 16.2

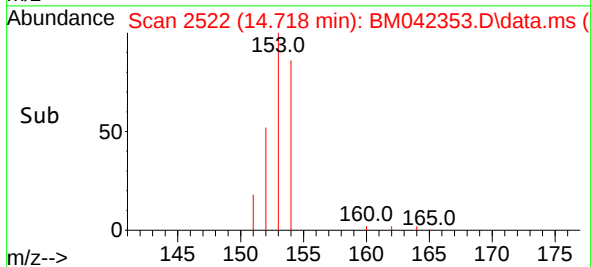
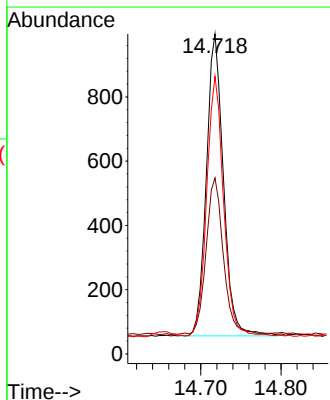
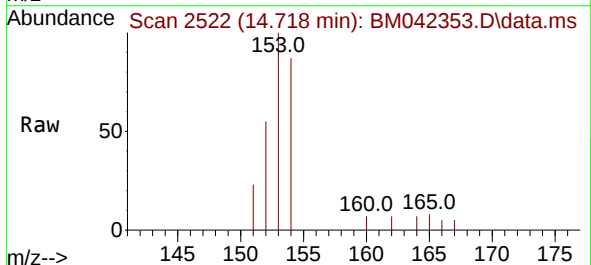
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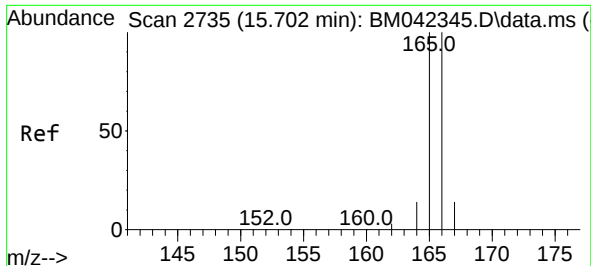
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.718 min Scan# 2522
Delta R.T. 0.001 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

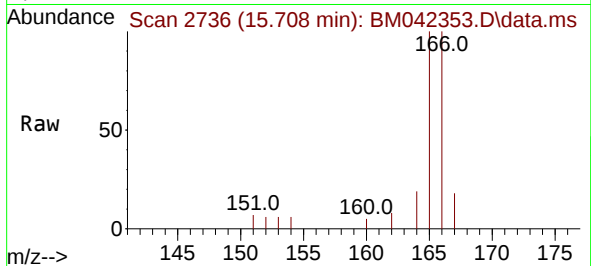
Tgt Ion:153 Resp: 1388
Ion Ratio Lower Upper
153 100
152 55.0 41.7 62.5
154 86.7 70.0 105.0





#12
Fluorene
Concen: 0.069 ng/ul
RT: 15.708 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

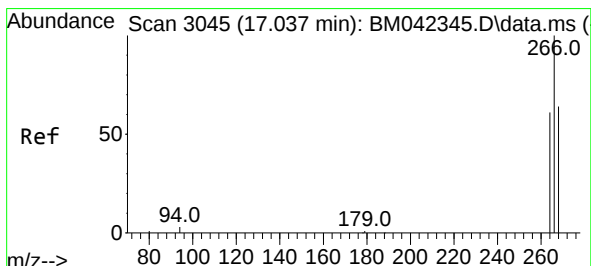
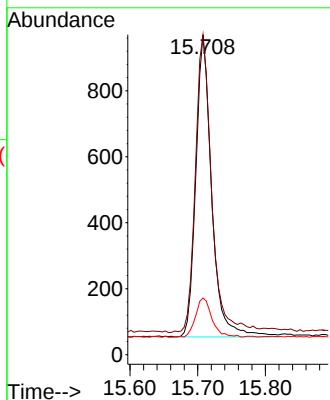
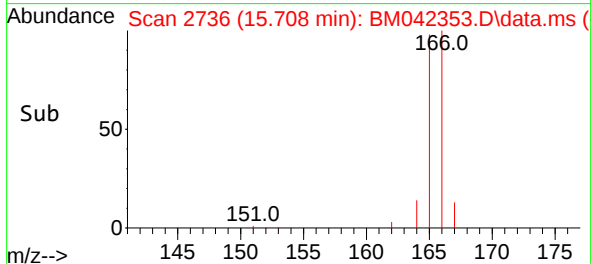
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:166 Resp: 149
Ion Ratio Lower Upper
166 100
165 100.2 80.3 120.5
167 17.8 11.4 17.2

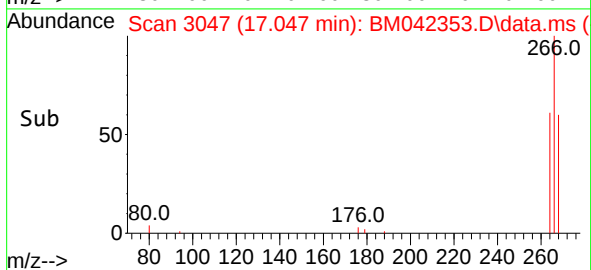
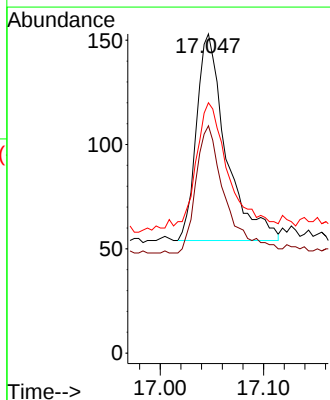
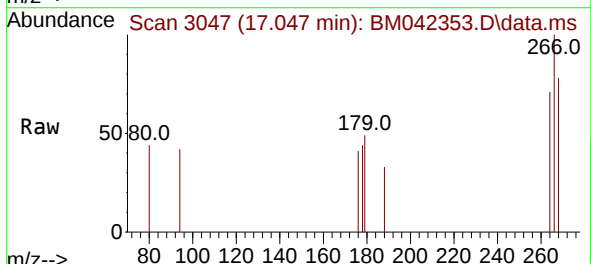
Manual Integrations
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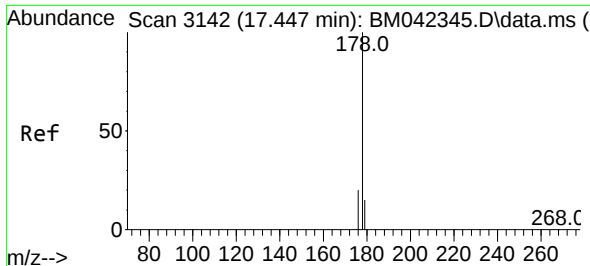
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#14
Pentachlorophenol
Concen: 0.066 ng/ul
RT: 17.047 min Scan# 3047
Delta R.T. 0.009 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

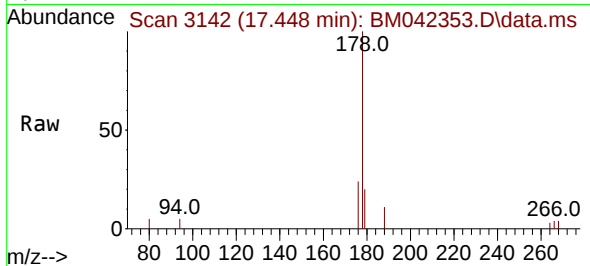
Tgt Ion:266 Resp: 197
Ion Ratio Lower Upper
266 100
264 61.4 49.8 74.8
268 64.0 51.9 77.9





#15
Phenanthrene
Concen: 0.069 ng/u1
RT: 17.448 min Scan# 3142
Delta R.T. 0.001 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

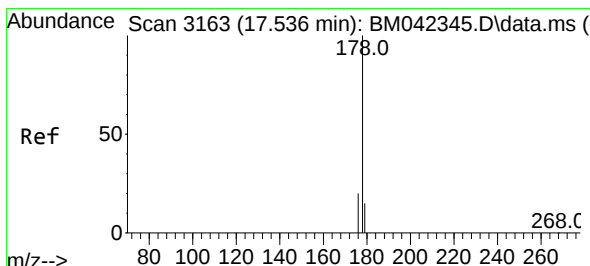
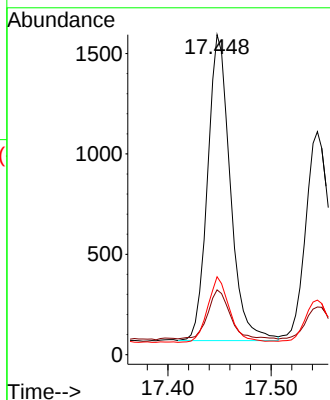
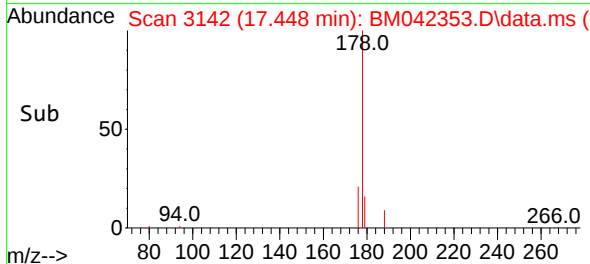
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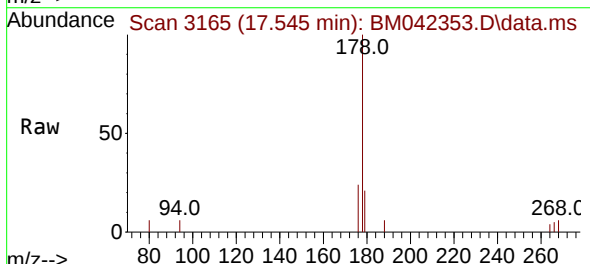
Tgt Ion:178 Resp: 2324
Ion Ratio Lower Upper
178 100
179 20.3 12.6 19.0#
176 24.3 16.4 24.6

Manual Integrations
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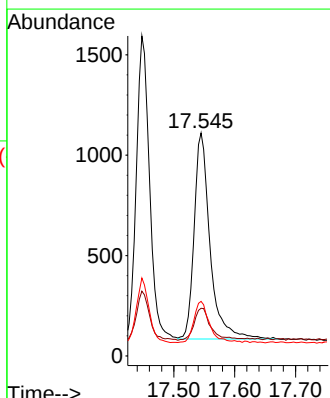
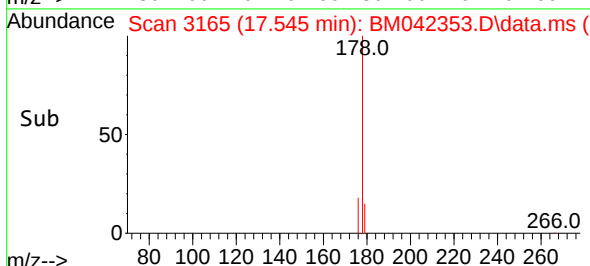
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

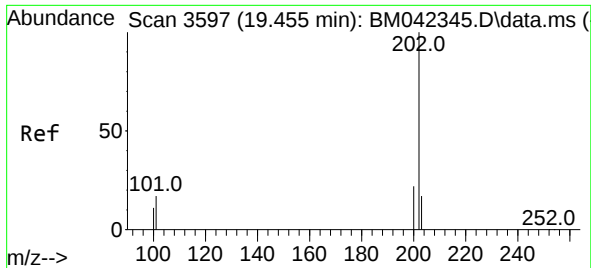


#16
Anthracene
Concen: 0.065 ng/u1
RT: 17.545 min Scan# 3165
Delta R.T. 0.009 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05



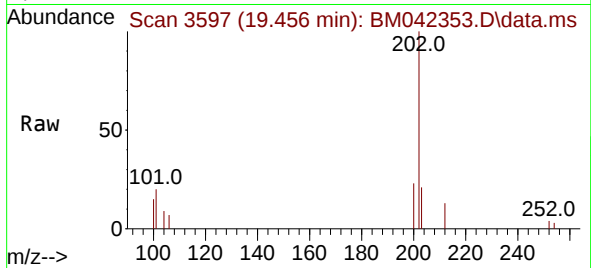
Tgt Ion:178 Resp: 1869
Ion Ratio Lower Upper
178 100
179 21.3 12.9 19.3#
176 24.5 16.4 24.6





#19
Fluoranthene
Concen: 0.070 ng/u1
RT: 19.456 min Scan# 3597
Delta R.T. 0.001 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

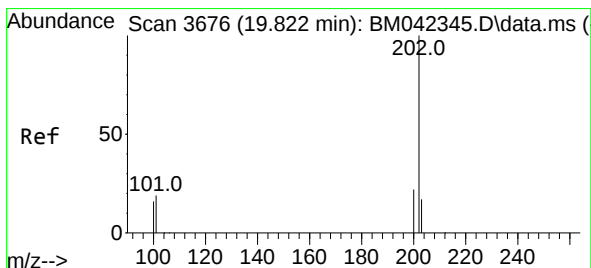
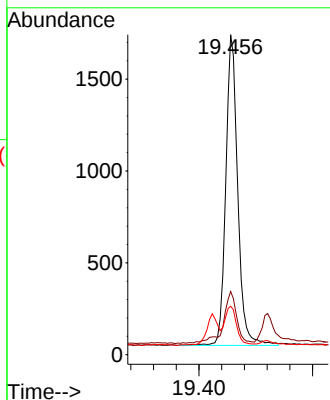
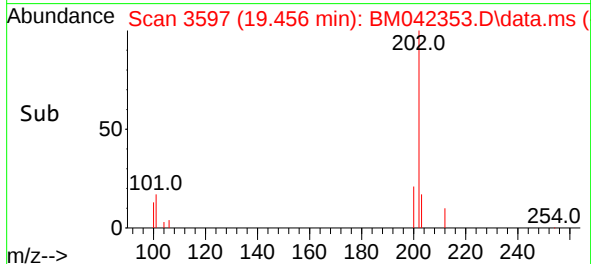
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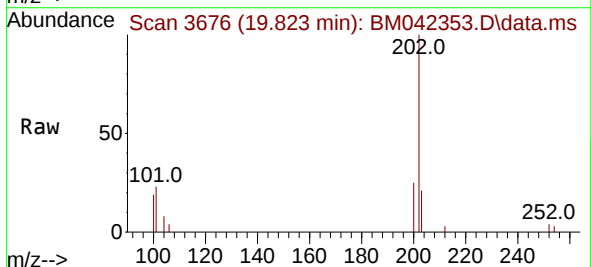
Tgt Ion:202 Resp: 2460
Ion Ratio Lower Upper
202 100
101 19.7 14.0 21.0
100 15.2 10.4 15.6

Manual Integrations
APPROVED

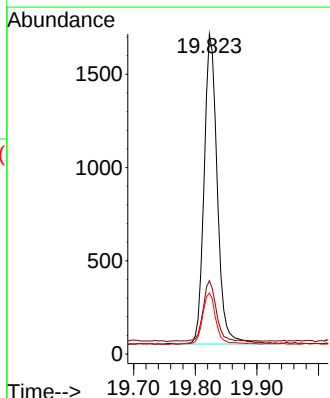
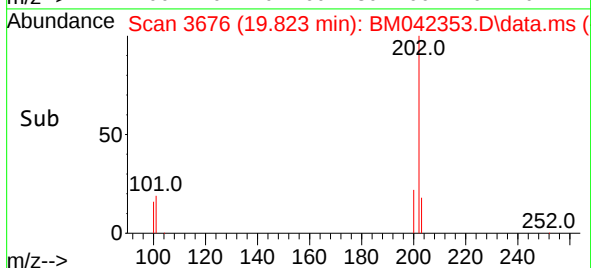
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

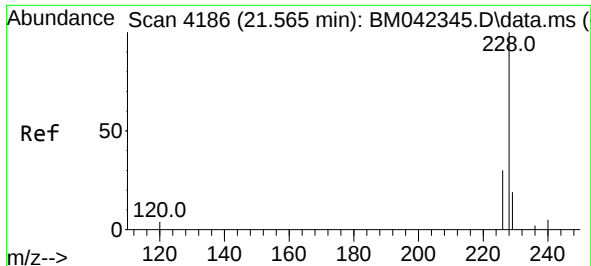


#20
Pyrene
Concen: 0.068 ng/u1
RT: 19.823 min Scan# 3676
Delta R.T. 0.001 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05



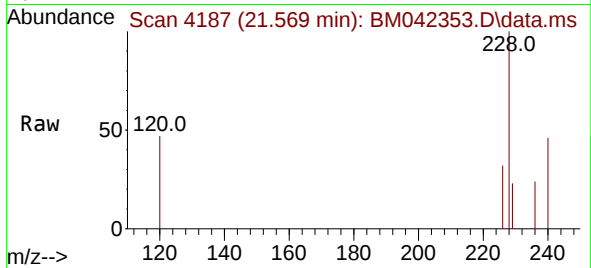
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Ion Ratio Lower Upper
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101 22.9 15.8 23.8
100 19.1 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.069 ng/u1
RT: 21.569 min Scan# 4186
Delta R.T. 0.004 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

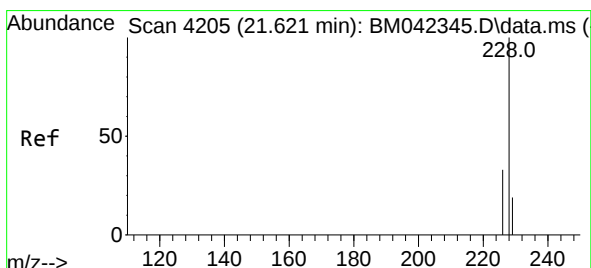
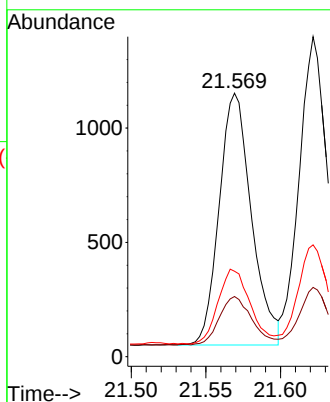
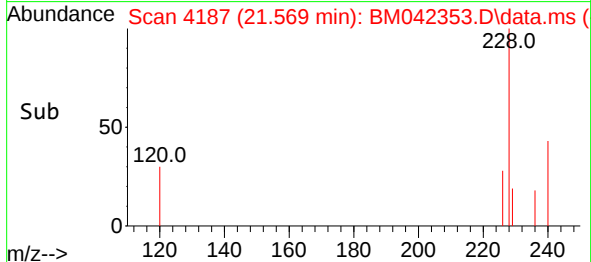
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:228 Resp: 165
Ion Ratio Lower Upper
228 100
229 22.8 15.6 23.4
226 32.4 24.7 37.1

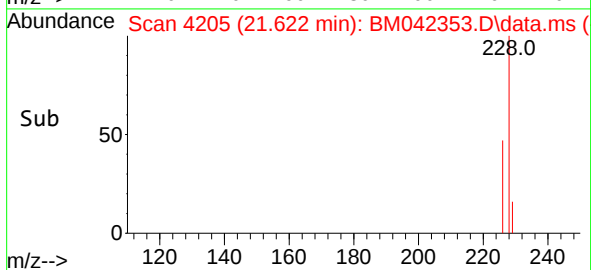
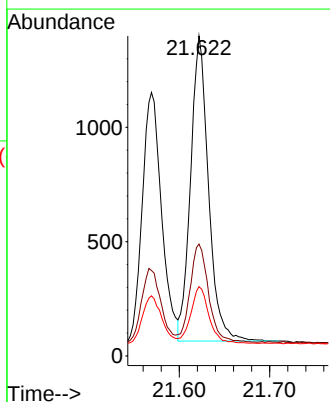
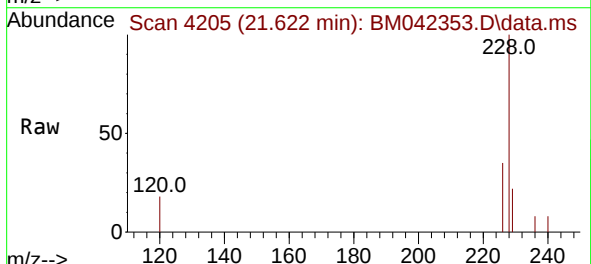
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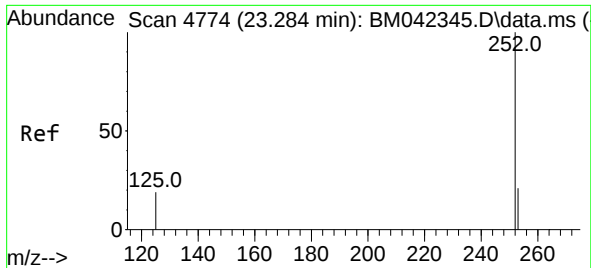
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#22
Chrysene
Concen: 0.075 ng/u1
RT: 21.622 min Scan# 4205
Delta R.T. 0.001 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

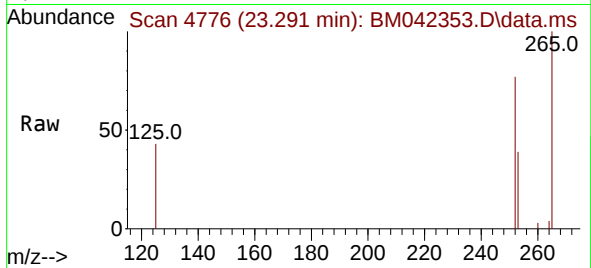
Tgt Ion:228 Resp: 1836
Ion Ratio Lower Upper
228 100
226 34.9 27.1 40.7
229 21.6 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.071 ng/ul
RT: 23.291 min Scan# 4776
Delta R.T. 0.007 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

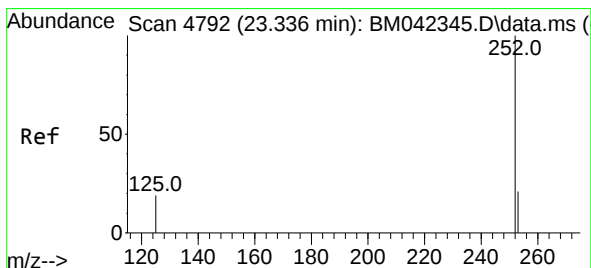
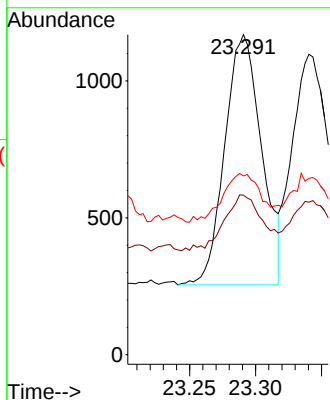
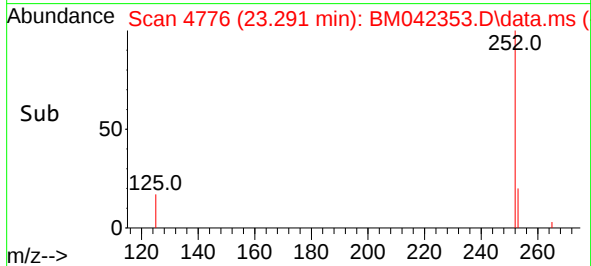
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05



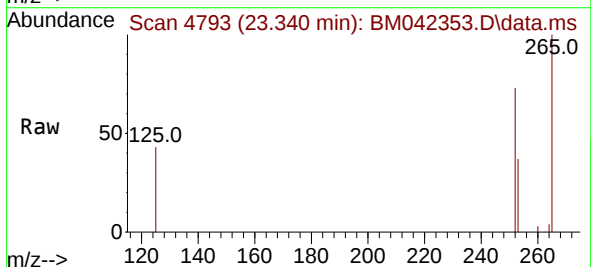
Tgt Ion:252 Resp: 177
Ion Ratio Lower Upper
252 100
253 49.9 0.0 56.4
125 55.9 0.0 56.0

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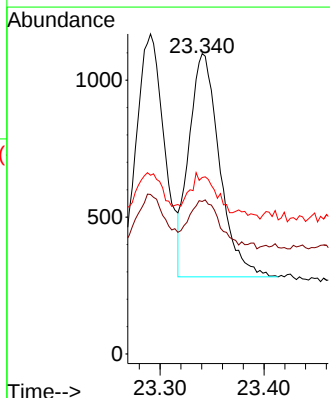
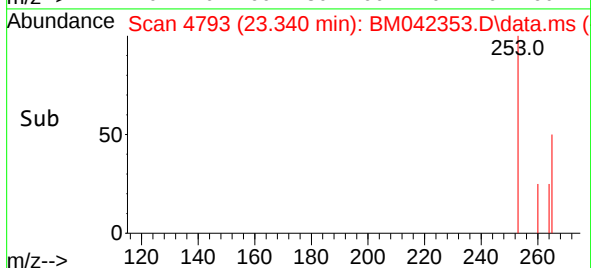
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

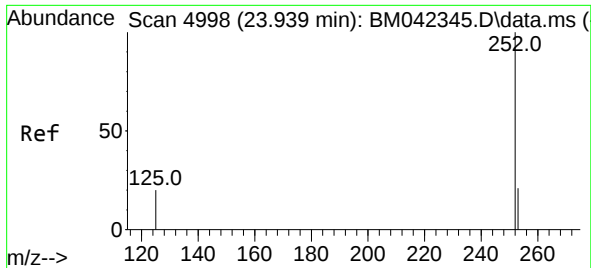


#25
Benzo(k)fluoranthene
Concen: 0.071 ng/ul
RT: 23.340 min Scan# 4793
Delta R.T. 0.004 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05



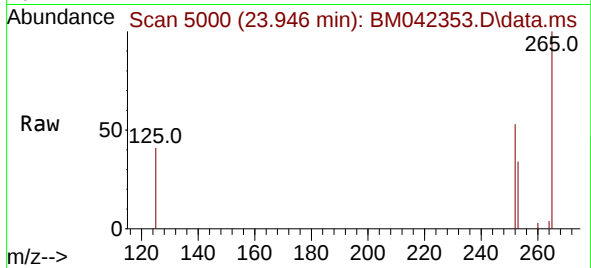
Tgt Ion:252 Resp: 1669
Ion Ratio Lower Upper
252 100
253 50.8 22.7 34.1#
125 58.8 23.0 34.4#





#26
Benzo(a)pyrene
Concen: 0.072 ng/ul
RT: 23.946 min Scan# 5000
Delta R.T. 0.007 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

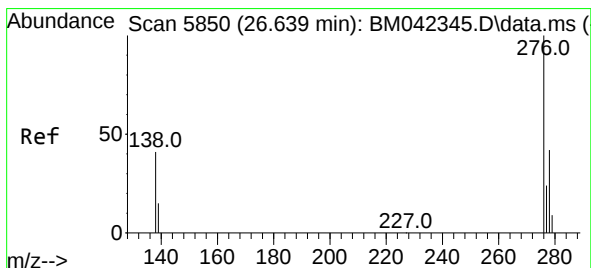
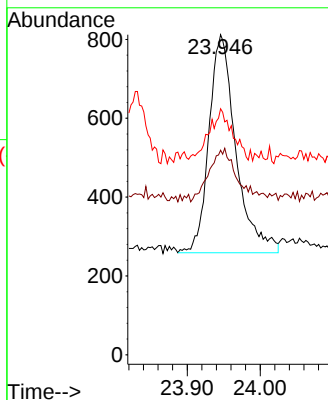
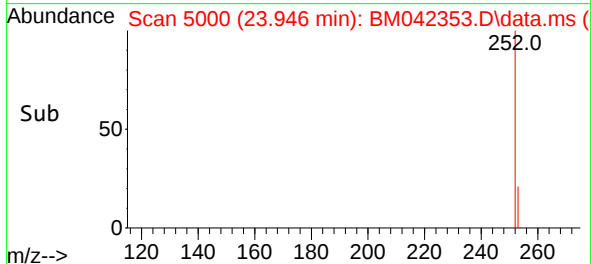
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:252 Resp: 1420
Ion Ratio Lower Upper
252 100
253 63.9 26.3 39.5
125 76.8 27.7 41.5

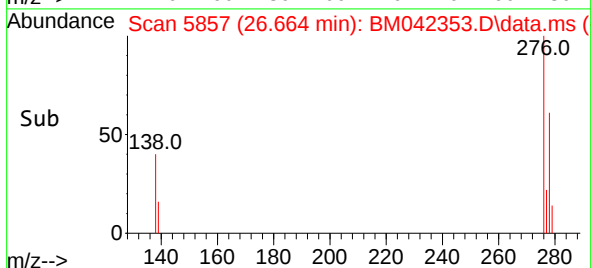
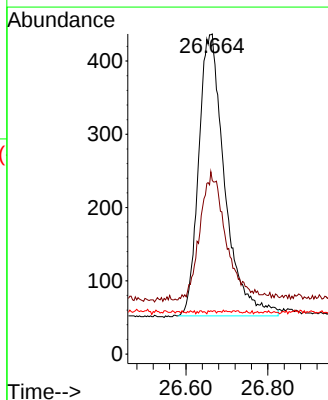
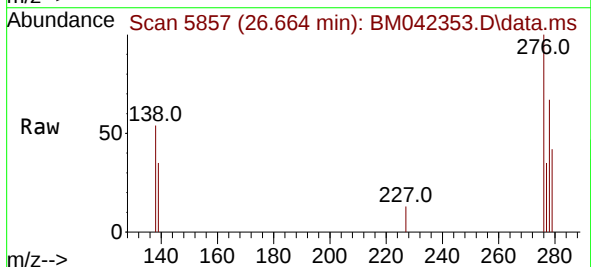
Manual Integrations
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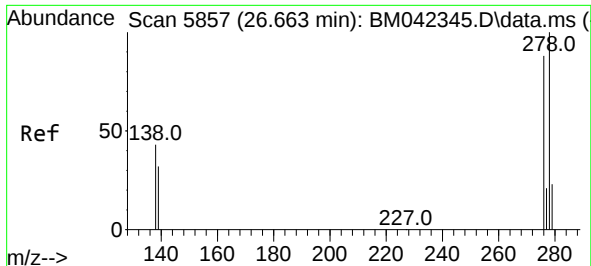
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.067 ng/ul
RT: 26.664 min Scan# 5857
Delta R.T. 0.025 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

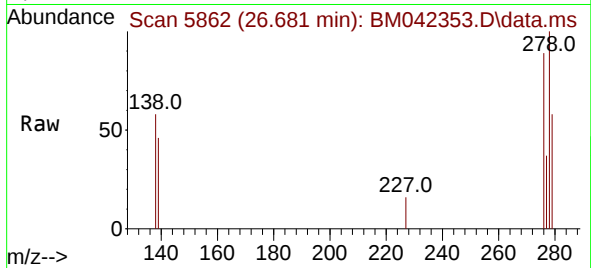
Tgt Ion:276 Resp: 1701
Ion Ratio Lower Upper
276 100
138 46.3 35.9 53.9
227 0.3 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 26.681 min Scan# 5862
Delta R.T. 0.018 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05

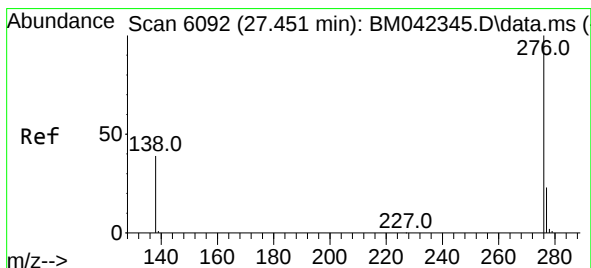
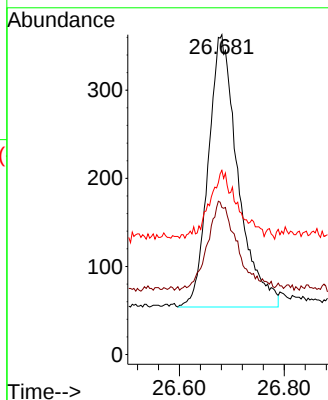
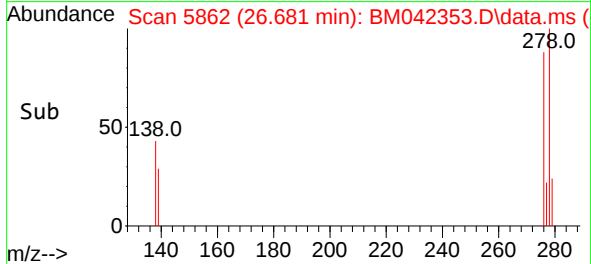
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-05



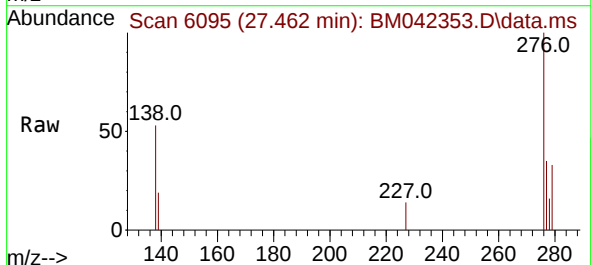
Tgt Ion:278 Resp: 1208
Ion Ratio Lower Upper
278 100
139 46.0 28.1 42.1#
279 57.6 22.9 34.3#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#29
Benzo(g,h,i)perylene
Concen: 0.071 ng/ul
RT: 27.462 min Scan# 6095
Delta R.T. 0.012 min
Lab File: BM042353.D
Acq: 18 Oct 2023 17:05



Tgt Ion:276 Resp: 1556
Ion Ratio Lower Upper
276 100
138 52.5 33.3 49.9#
277 35.4 19.9 29.9#

