

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092624\
 Data File : BM047673.D
 Acq On : 27 Sep 2024 10:38
 Operator : RC/JU
 Sample : P3391-02
 Misc : SFAM SIM-MDL-WATER-02
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT3-2024-06

Quant Time: Sep 27 11:28:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 16:27:08 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/27/2024
 Supervised By :mohammad ahmed 09/28/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	4147	0.400	ng/ul	0.00
4) Naphthalene-d8	10.616	136	11294	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.455	164	5133	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	10418	0.400	ng/ul	0.00
17) Chrysene-d12	21.354	240	8152	0.400	ng/ul	0.00
23) Perylene-d12	23.628	264	9572	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	3029	0.569	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.206	152	5740	0.381	ng/ul	0.00
18) Fluoranthene-d10	19.210	212	9858	0.395	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.307	88	650m	0.102	ng/ul	
5) Naphthalene	10.666	128	2238	0.073	ng/ul#	91
7) 2-Methylnaphthalene	12.277	142	1251	0.068	ng/ul	100
8) 1-Methylnaphthalene	12.497	142	1287	0.066	ng/ul	99
10) Acenaphthylene	14.172	152	1793	0.072	ng/ul#	92
11) Acenaphthene	14.515	153	1283	0.075	ng/ul	97
12) Fluorene	15.500	166	1298	0.067	ng/ul#	98
14) Pentachlorophenol	16.844	266	346	0.110	ng/ul	95
15) Phenanthrene	17.229	178	1996	0.065	ng/ul#	88
16) Anthracene	17.322	178	1637	0.059	ng/ul#	86
19) Fluoranthene	19.238	202	2301	0.067	ng/ul#	91
20) Pyrene	19.600	202	2417	0.066	ng/ul#	90
21) Benzo(a)anthracene	21.339	228	2124	0.062	ng/ul	95
22) Chrysene	21.389	228	2354	0.066	ng/ul	93
24) Benzo(b)fluoranthene	22.943	252	2728	0.065	ng/ul#	29
25) Benzo(k)fluoranthene	22.990	252	2816	0.067	ng/ul#	49
26) Benzo(a)pyrene	23.531	252	2392	0.073	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.950	276	3411	0.065	ng/ul	97
28) Dibenzo(a,h)anthracene	25.964	278	2597	0.066	ng/ul#	69
29) Benzo(g,h,i)perylene	26.661	276	2943	0.070	ng/ul#	86

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

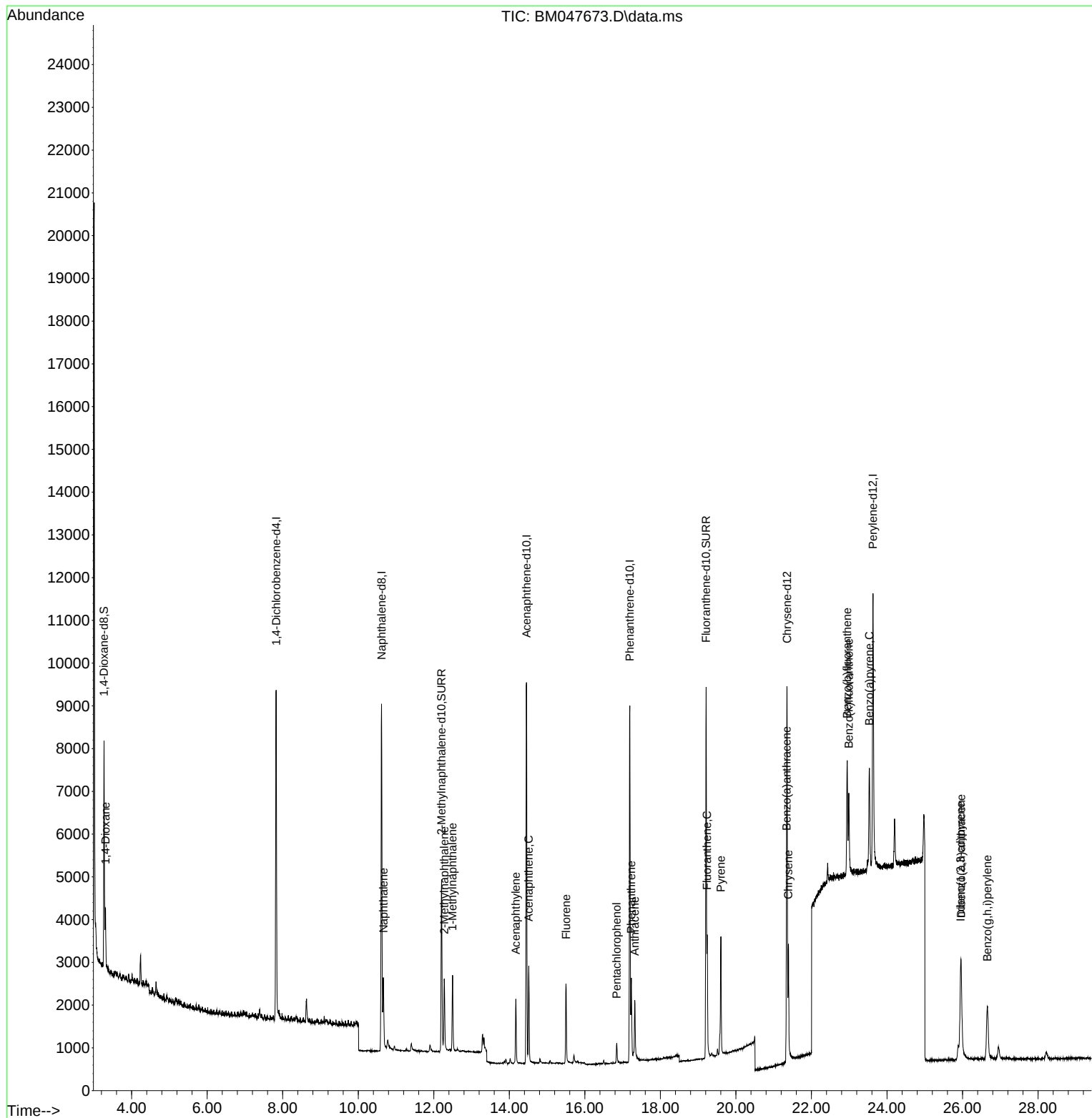
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092624\
Data File : BM047673.D
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ALS Vial : 38 Sample Multiplier: 1

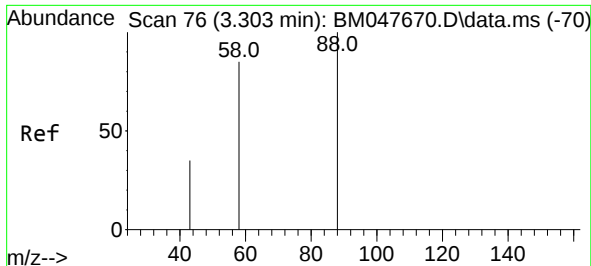
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2024-06

Quant Time: Sep 27 11:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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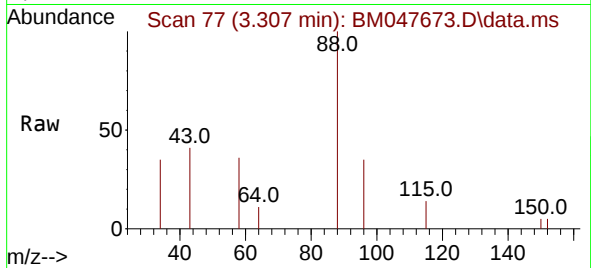
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024





#2
1,4-Dioxane
Concen: 0.102 ng/ul m
RT: 3.307 min Scan# 76
Delta R.T. 0.000 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

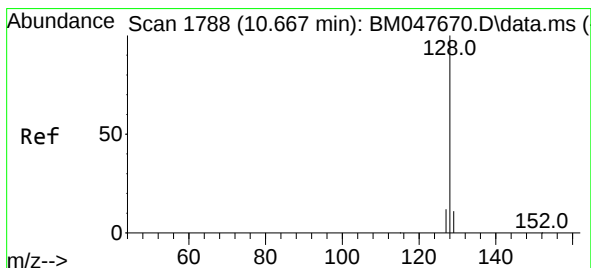
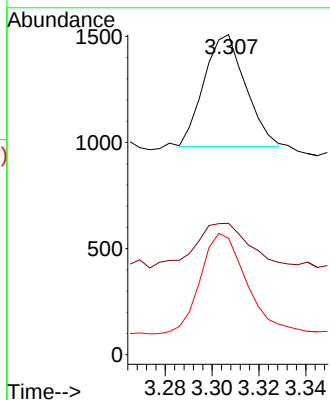
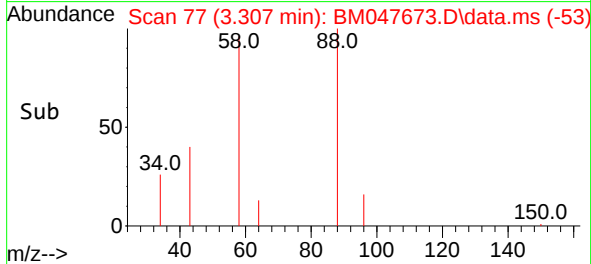
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 88 Resp: 650
Ion Ratio Lower Upper
88 100
43 41.0 30.9 46.3
58 36.4 42.5 63.7

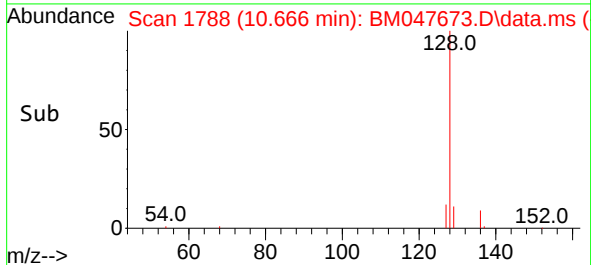
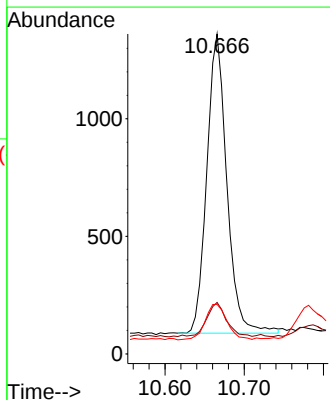
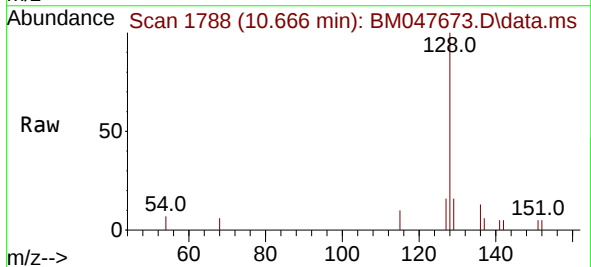
Manual Integrations
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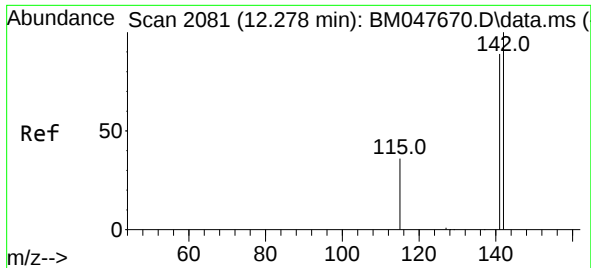
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#5
Naphthalene
Concen: 0.073 ng/ul
RT: 10.666 min Scan# 1788
Delta R.T. -0.007 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

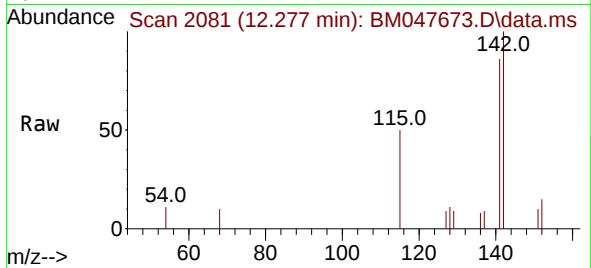
Tgt Ion:128 Resp: 2238
Ion Ratio Lower Upper
128 100
129 16.1 9.2 13.8#
127 15.5 10.4 15.6





#7
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.277 min Scan# 2081
Delta R.T. -0.007 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

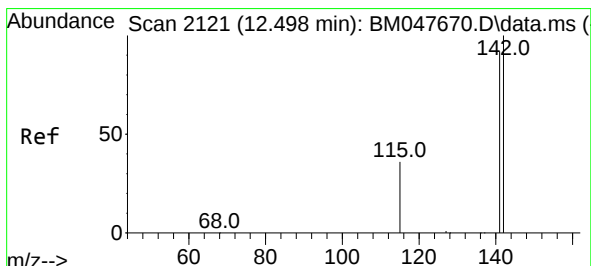
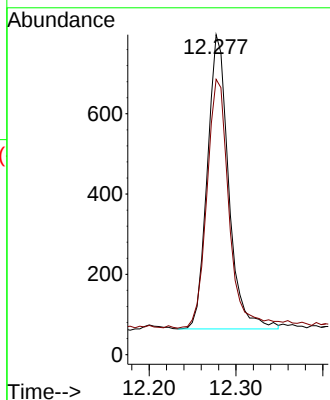
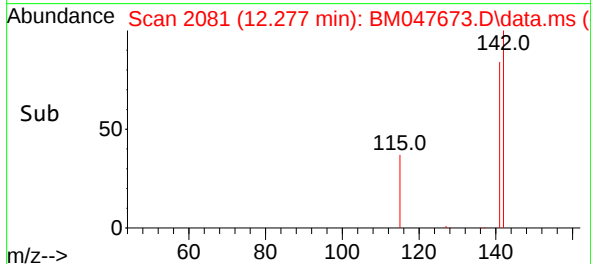
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2024-06



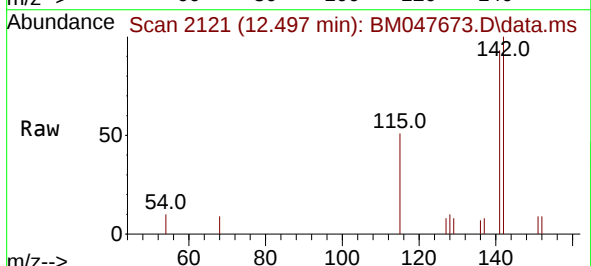
Tgt Ion:142 Resp: 125
Ion Ratio Lower Upper
142 100
141 88.4 70.5 105.7

Manual Integrations
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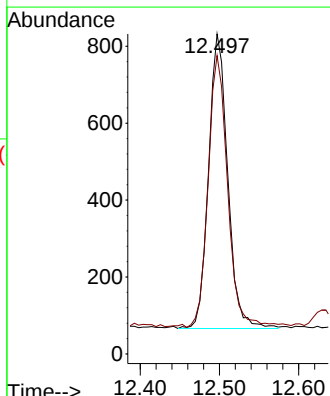
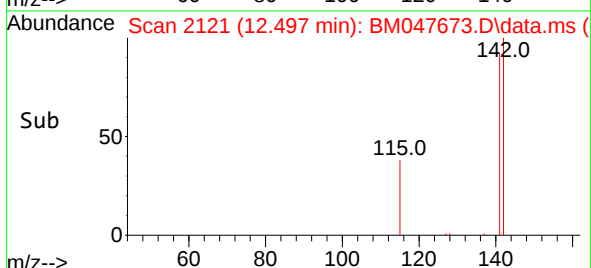
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024

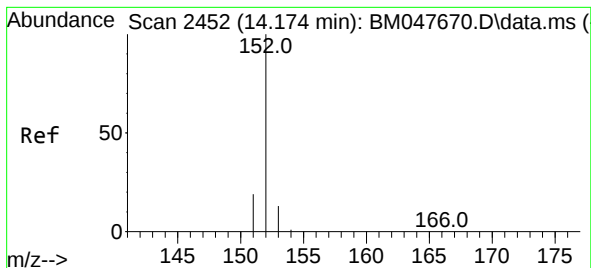


#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.497 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38



Tgt Ion:142 Resp: 1287
Ion Ratio Lower Upper
142 100
141 92.2 72.9 109.3





#10

Acenaphthylene

Concen: 0.072 ng/u1

RT: 14.172 min Scan# 2452

Delta R.T. -0.006 min

Lab File: BM047673.D

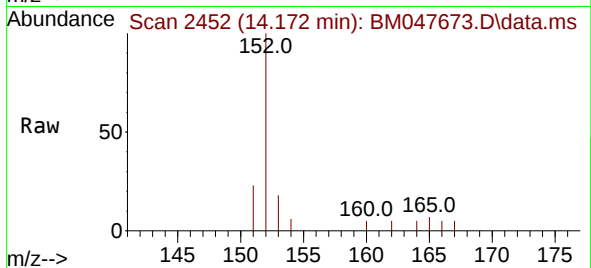
Acq: 27 Sep 2024 10:38

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT3-2024-06

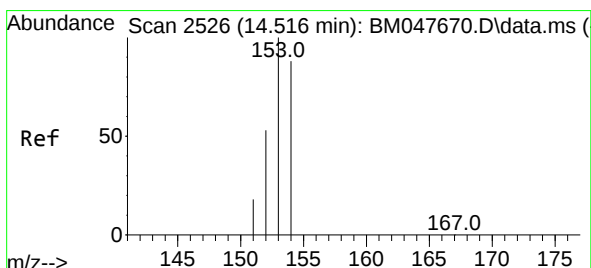
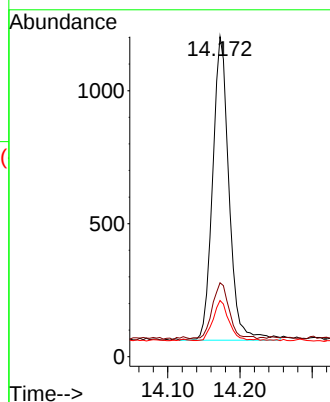
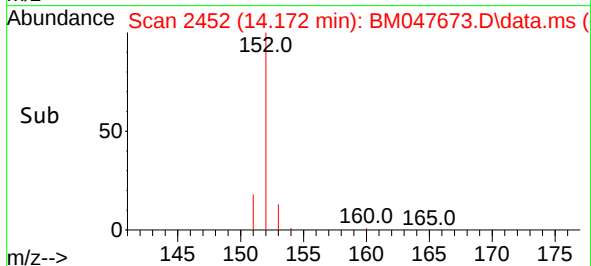


Tgt Ion:	152	Resp:	179
Ion Ratio	Lower	Upper	
152	100		
151	23.1	16.1	24.1
153	17.5	10.7	16.1

Manual Integrations

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Supervised By :mohammad ahmed 09/28/2024



#11

Acenaphthene

Concen: 0.075 ng/u1

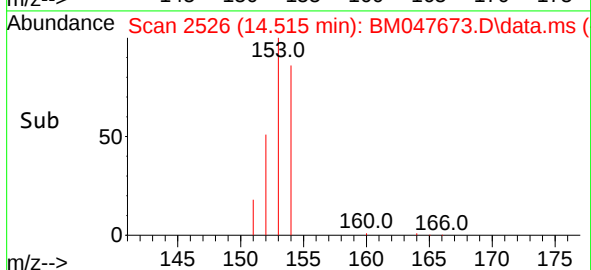
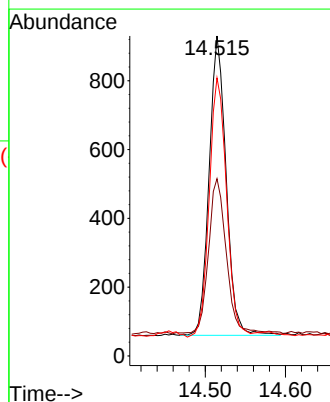
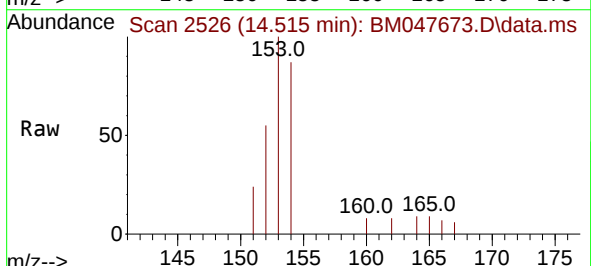
RT: 14.515 min Scan# 2526

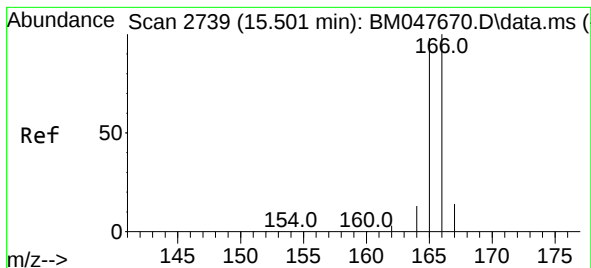
Delta R.T. -0.006 min

Lab File: BM047673.D

Acq: 27 Sep 2024 10:38

Tgt Ion:	153	Resp:	1283
Ion Ratio	Lower	Upper	
153	100		
152	55.4	41.7	62.5
154	86.9	71.2	106.8





#12

Fluorene

Concen: 0.067 ng/ul

RT: 15.500 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047673.D

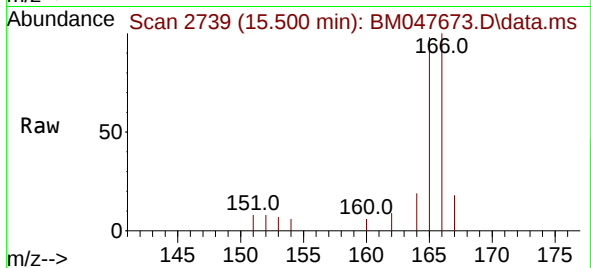
Acq: 27 Sep 2024 10:38

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT3-2024-06



Tgt Ion:166 Resp: 1298

Ion Ratio Lower Upper

166 100

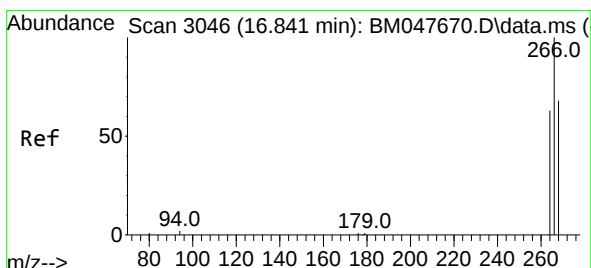
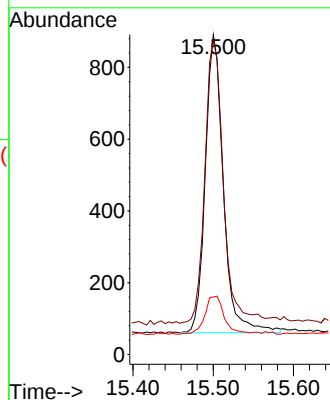
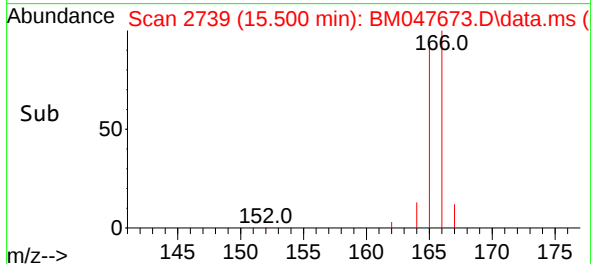
165 98.3 79.4 119.2

167 18.0 11.4 17.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#14

Pentachlorophenol

Concen: 0.110 ng/ul

RT: 16.844 min Scan# 3047

Delta R.T. -0.006 min

Lab File: BM047673.D

Acq: 27 Sep 2024 10:38

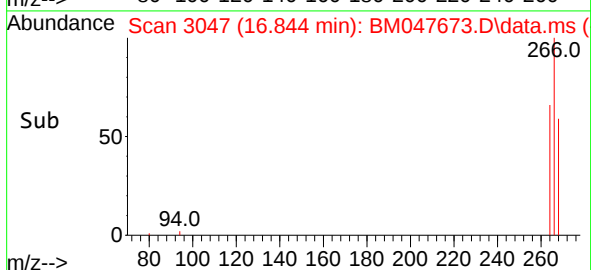
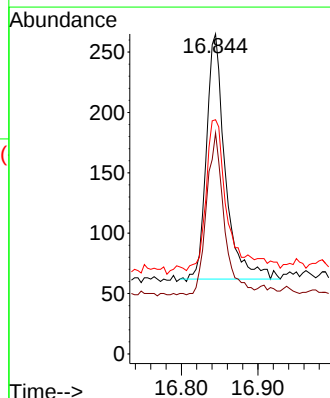
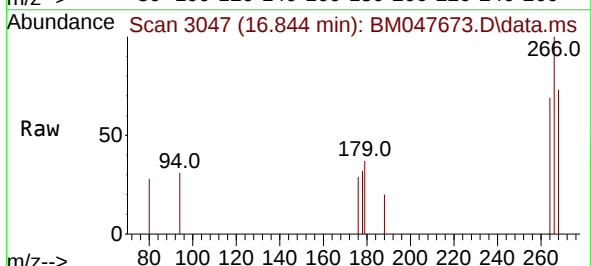
Tgt Ion:266 Resp: 346

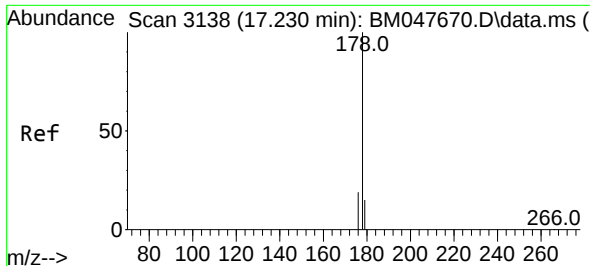
Ion Ratio Lower Upper

266 100

264 61.8 49.8 74.8

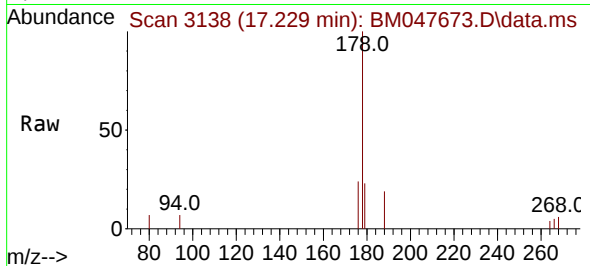
268 72.0 51.2 76.8





#15
Phenanthrene
Concen: 0.065 ng/u1
RT: 17.229 min Scan# 3138
Delta R.T. -0.010 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

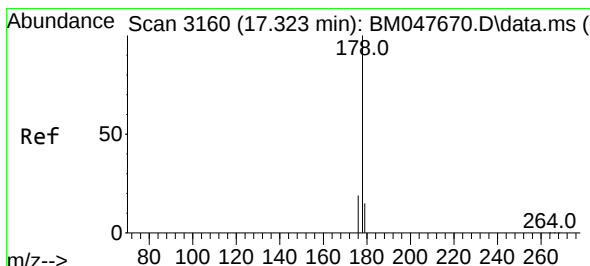
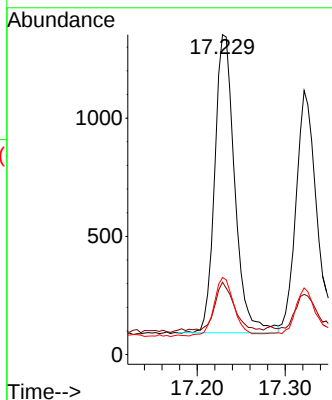
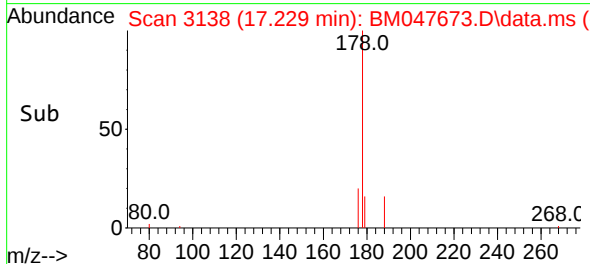
Instrument : BNA_M
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:178 Resp: 1990
Ion Ratio Lower Upper
178 100
179 22.6 13.0 19.6#
176 24.1 15.9 23.9#

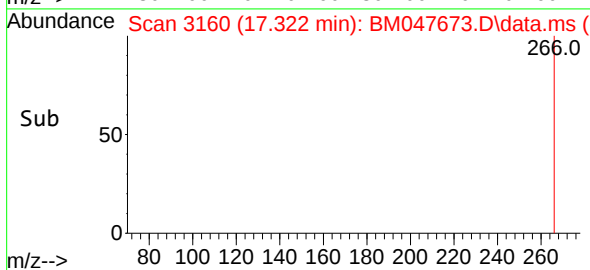
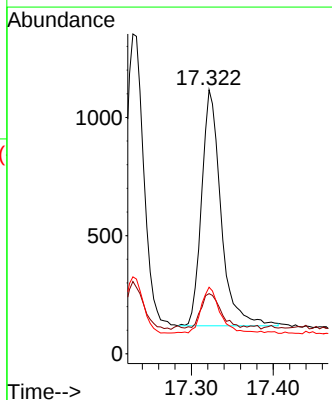
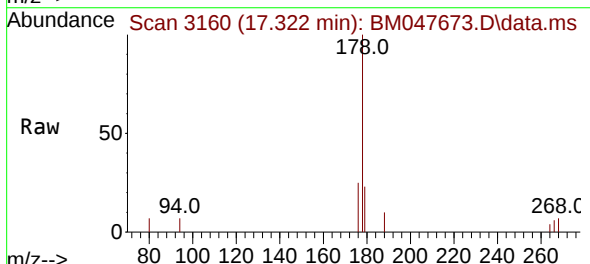
Manual Integrations
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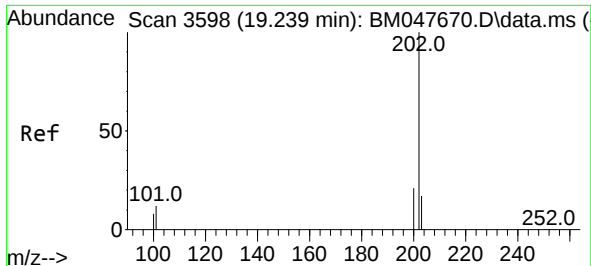
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#16
Anthracene
Concen: 0.059 ng/u1
RT: 17.322 min Scan# 3160
Delta R.T. -0.006 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

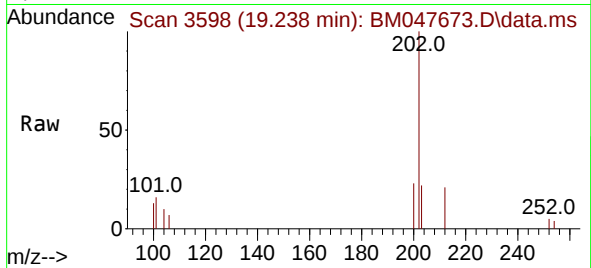
Tgt Ion:178 Resp: 1637
Ion Ratio Lower Upper
178 100
179 22.8 13.0 19.4#
176 25.2 15.4 23.2#





#19
Fluoranthene
Concen: 0.067 ng/u1
RT: 19.238 min Scan# 3598
Delta R.T. -0.006 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

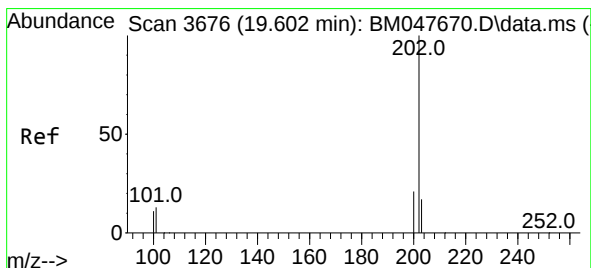
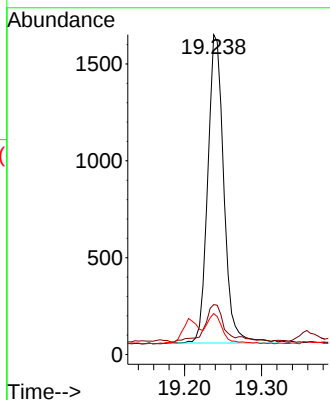
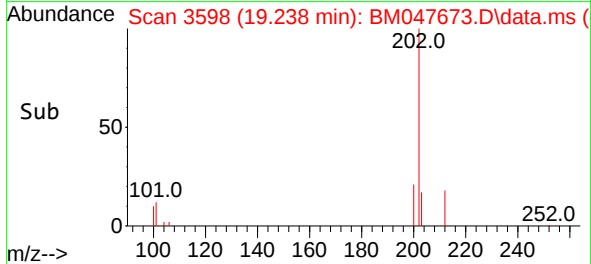
Instrument : BNA_M
ClientSampleId : MDL-WATER-QT3-2024-06



Tgt Ion:202 Resp: 2300
Ion Ratio Lower Upper
202 100
101 15.6 9.8 14.6
100 12.8 7.4 11.2

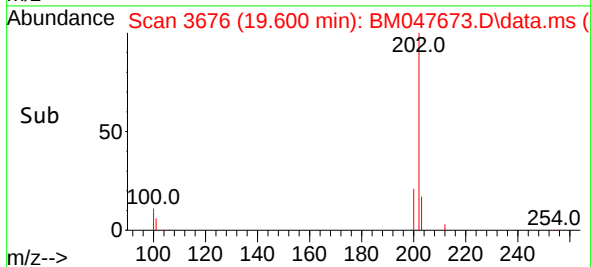
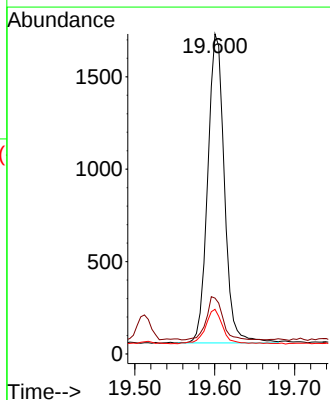
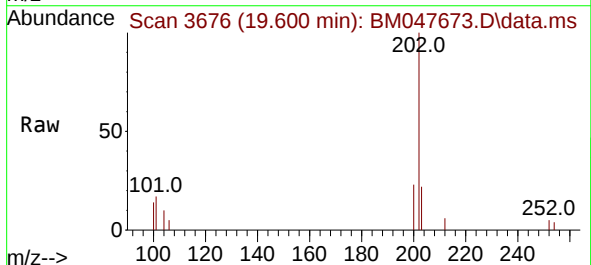
Manual Integrations
APPROVED

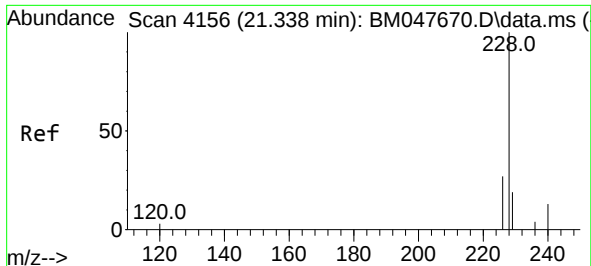
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#20
Pyrene
Concen: 0.066 ng/u1
RT: 19.600 min Scan# 3676
Delta R.T. -0.006 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

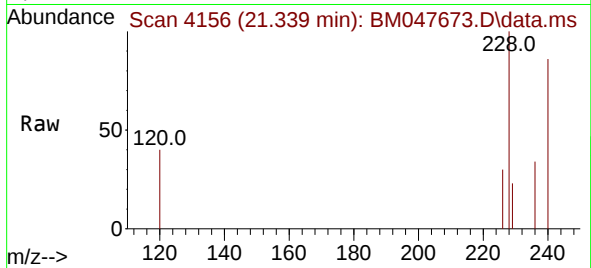
Tgt Ion:202 Resp: 2417
Ion Ratio Lower Upper
202 100
101 17.4 10.7 16.1#
100 14.0 8.2 12.2#





#21
Benzo(a)anthracene
Concen: 0.062 ng/u1
RT: 21.339 min Scan# 4156
Delta R.T. -0.002 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

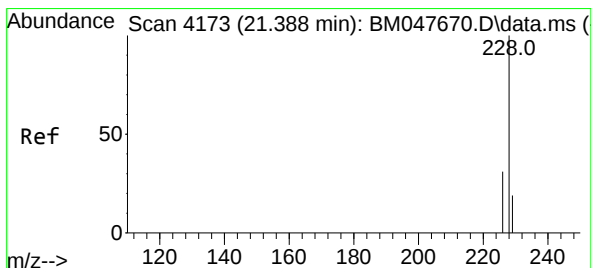
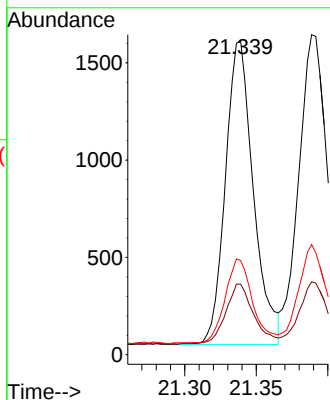
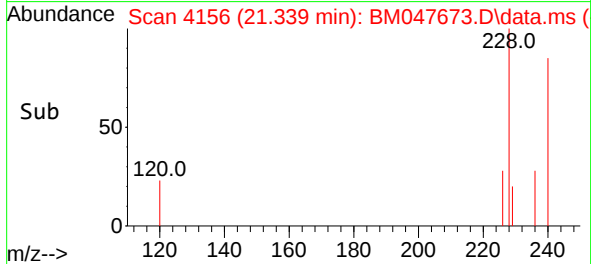
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2024-06



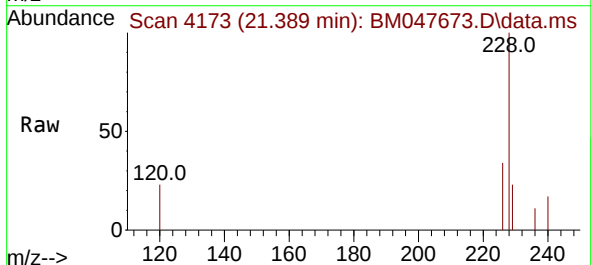
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Ion Ratio Lower Upper
228 100
229 22.5 15.9 23.9
226 30.1 22.1 33.1

Manual Integrations
APPROVED

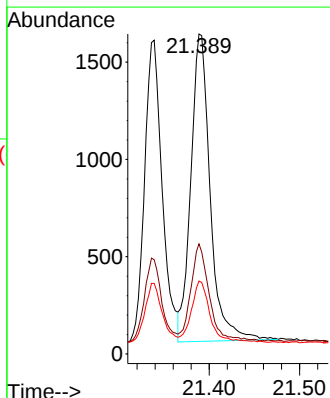
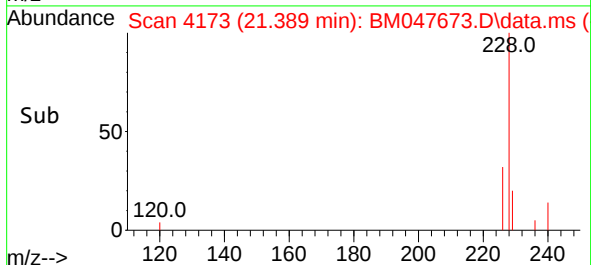
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024

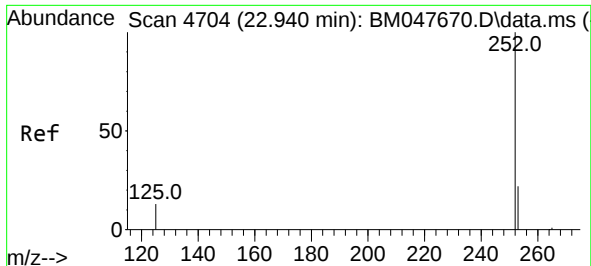


#22
Chrysene
Concen: 0.066 ng/u1
RT: 21.389 min Scan# 4173
Delta R.T. -0.005 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38



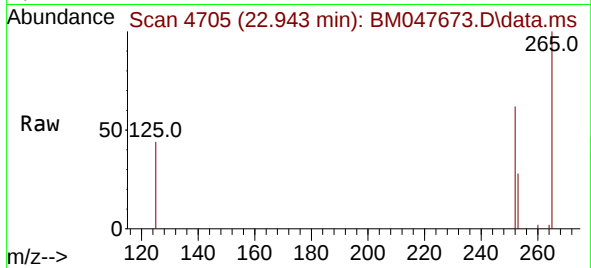
Tgt Ion:228 Resp: 2354
Ion Ratio Lower Upper
228 100
226 34.4 24.4 36.6
229 22.8 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.065 ng/ul
RT: 22.943 min Scan# 4705
Delta R.T. -0.005 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

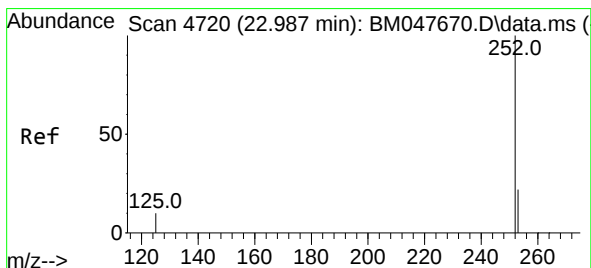
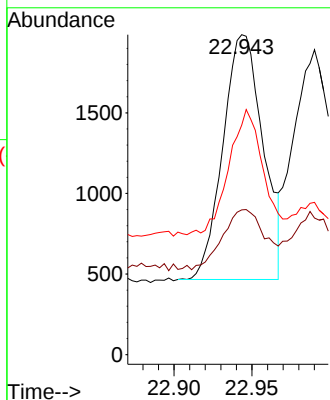
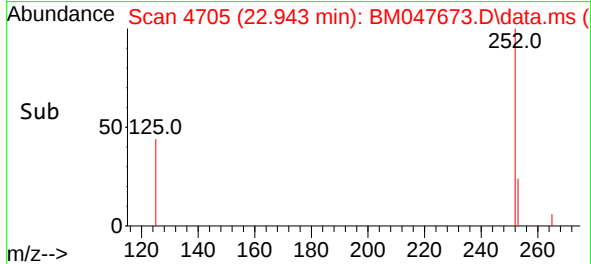
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:252 Resp: 2728
Ion Ratio Lower Upper
252 100
253 45.2 0.0 52.4
125 71.7 0.0 36.4

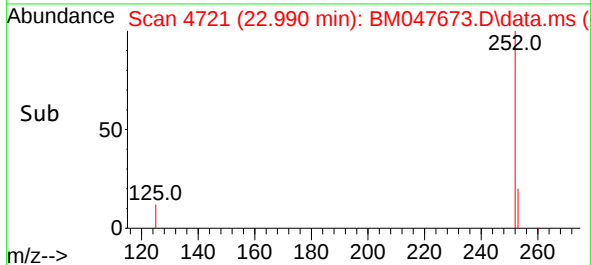
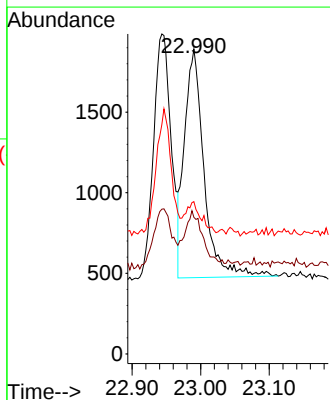
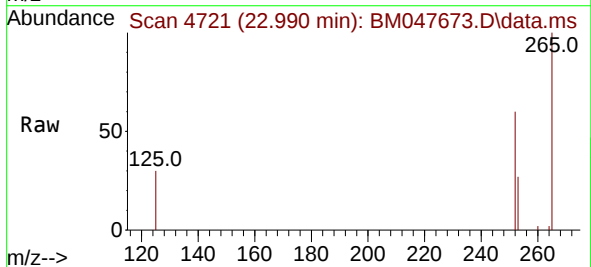
Manual Integrations
APPROVED

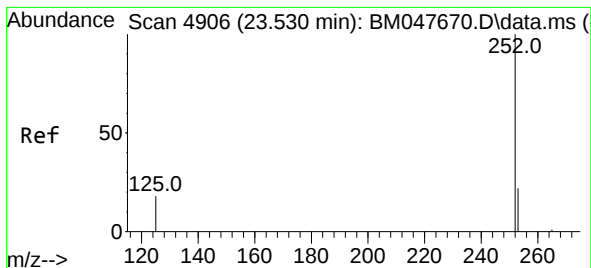
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#25
Benzo(k)fluoranthene
Concen: 0.067 ng/ul
RT: 22.990 min Scan# 4721
Delta R.T. -0.003 min
Lab File: BM047673.D
Acq: 27 Sep 2024 10:38

Tgt Ion:252 Resp: 2816
Ion Ratio Lower Upper
252 100
253 44.8 21.0 31.6#
125 49.9 14.6 21.8#





#26

Benzo(a)pyrene

Concen: 0.073 ng/ul

RT: 23.531 min Scan# 4906

Delta R.T. -0.002 min

Lab File: BM047673.D

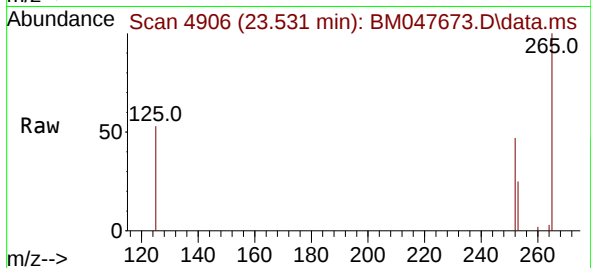
Acq: 27 Sep 2024 10:38

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT3-2024-06

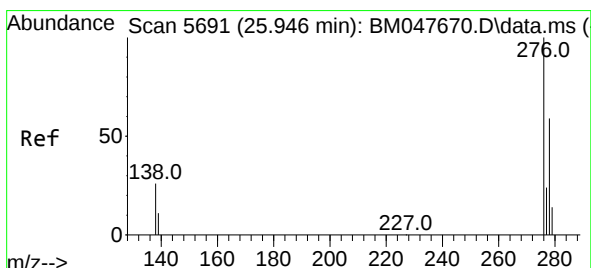
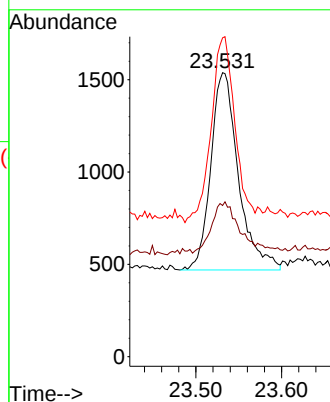
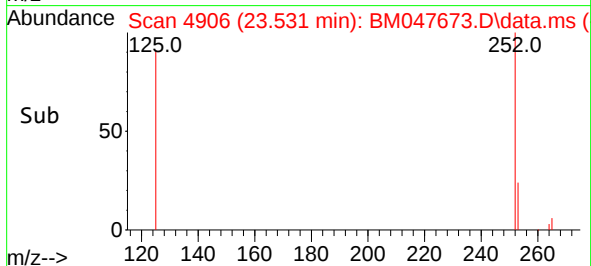


Tgt Ion	Ratio	Lower	Upper
252	100		
253	53.3	23.0	34.4
125	112.3	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#27

Indeno(1,2,3-cd)pyrene

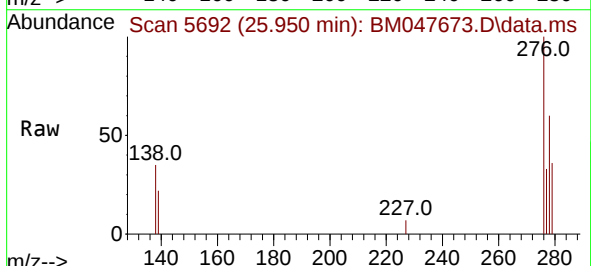
Concen: 0.065 ng/ul

RT: 25.950 min Scan# 5692

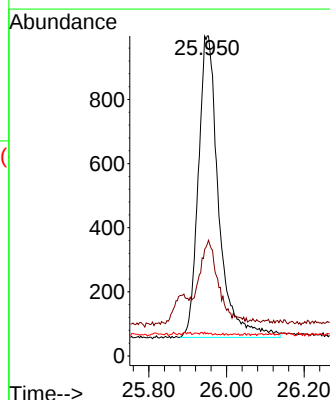
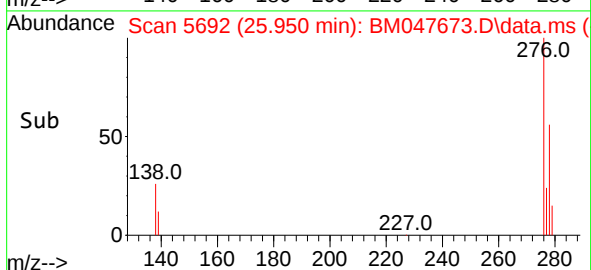
Delta R.T. -0.010 min

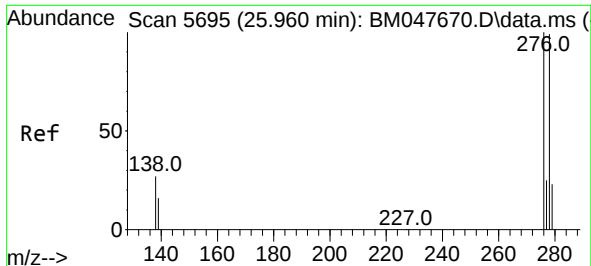
Lab File: BM047673.D

Acq: 27 Sep 2024 10:38



Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	22.0	33.0
227	0.3	0.2	0.4





#28

Dibenzo(a,h)anthracene

Concen: 0.066 ng/ul

RT: 25.964 min Scan# 5695

Delta R.T. -0.010 min

Lab File: BM047673.D

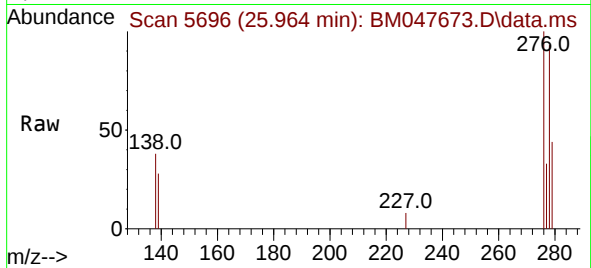
Acq: 27 Sep 2024 10:38

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT3-2024-06



Tgt Ion:278 Resp: 259

Ion Ratio Lower Upper

278 100

139 30.1 16.8 25.2

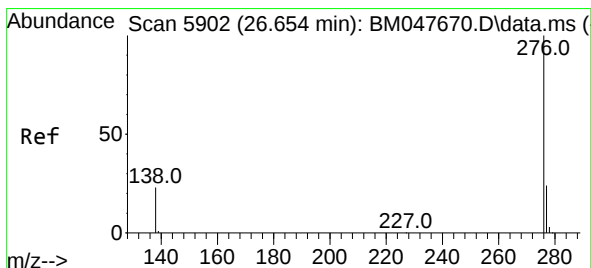
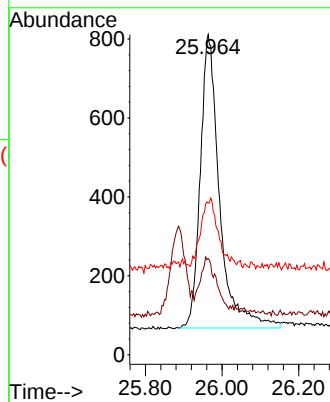
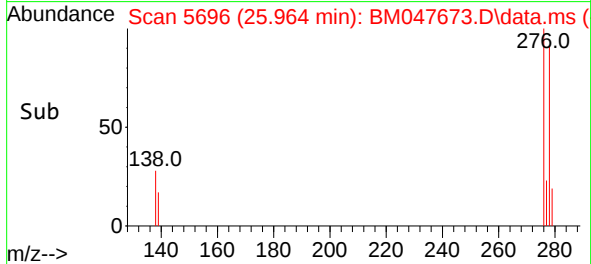
279 47.3 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/27/2024

Supervised By :mohammad ahmed 09/28/2024



#29

Benzo(g,h,i)perylene

Concen: 0.070 ng/ul

RT: 26.661 min Scan# 5904

Delta R.T. -0.006 min

Lab File: BM047673.D

Acq: 27 Sep 2024 10:38

Tgt Ion:276 Resp: 2943

Ion Ratio Lower Upper

276 100

138 31.3 20.2 30.2#

277 32.9 19.8 29.6#

