

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030323\
 Data File : BM038859.D
 Acq On : 03 Mar 2023 15:04
 Operator : CG/JU
 Sample : 01378-01
 Misc : SFAM-SIM-MDL-WATER-01
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Mar 04 01:29:00 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 22:01:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/06/2023
 Supervised By :Jagrut Upadhyay 03/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	5872	0.400	ng/ul	0.00
4) Naphthalene-d8	10.826	136	18960	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.645	164	10065	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.385	188	21444	0.400	ng/ul	0.00
17) Chrysene-d12	21.564	240	17700	0.400	ng/ul	0.00
23) Perylene-d12	24.014	264	17111	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.386	96	3803	0.572	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.409	152	8667	0.378	ng/ul	0.00
18) Fluoranthene-d10	19.410	212	17270	0.410	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.420	88	601m	0.089	ng/ul	
5) Naphthalene	10.870	128	3016	0.067	ng/ul#	93
7) 2-Methylnaphthalene	12.481	142	1828	0.066	ng/ul	100
8) 1-Methylnaphthalene	12.695	142	2310	0.080	ng/ul	99
10) Acenaphthylene	14.362	152	2346	0.064	ng/ul#	94
11) Acenaphthene	14.705	153	2012	0.067	ng/ul	98
12) Fluorene	15.690	166	2224	0.065	ng/ul#	96
14) Pentachlorophenol	17.031	266	608	0.118	ng/ul	97
15) Phenanthrene	17.427	178	3807	0.067	ng/ul	95
16) Anthracene	17.520	178	2890	0.062	ng/ul#	93
19) Fluoranthene	19.438	202	4320	0.072	ng/ul#	95
20) Pyrene	19.801	202	4305	0.070	ng/ul	99
21) Benzo(a)anthracene	21.547	228	3420	0.068	ng/ul	96
22) Chrysene	21.602	228	4458	0.074	ng/ul	98
24) Benzo(b)fluoranthene	23.265	252	4285	0.064	ng/ul	74
25) Benzo(k)fluoranthene	23.315	252	4427	0.066	ng/ul#	79
26) Benzo(a)pyrene	23.906	252	3681	0.069	ng/ul#	63
27) Indeno(1,2,3-cd)pyrene	26.571	276	4267	0.063	ng/ul	97
28) Dibenzo(a,h)anthracene	26.595	278	3241	0.063	ng/ul#	70
29) Benzo(g,h,i)perylene	27.346	276	3956	0.063	ng/ul#	90

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

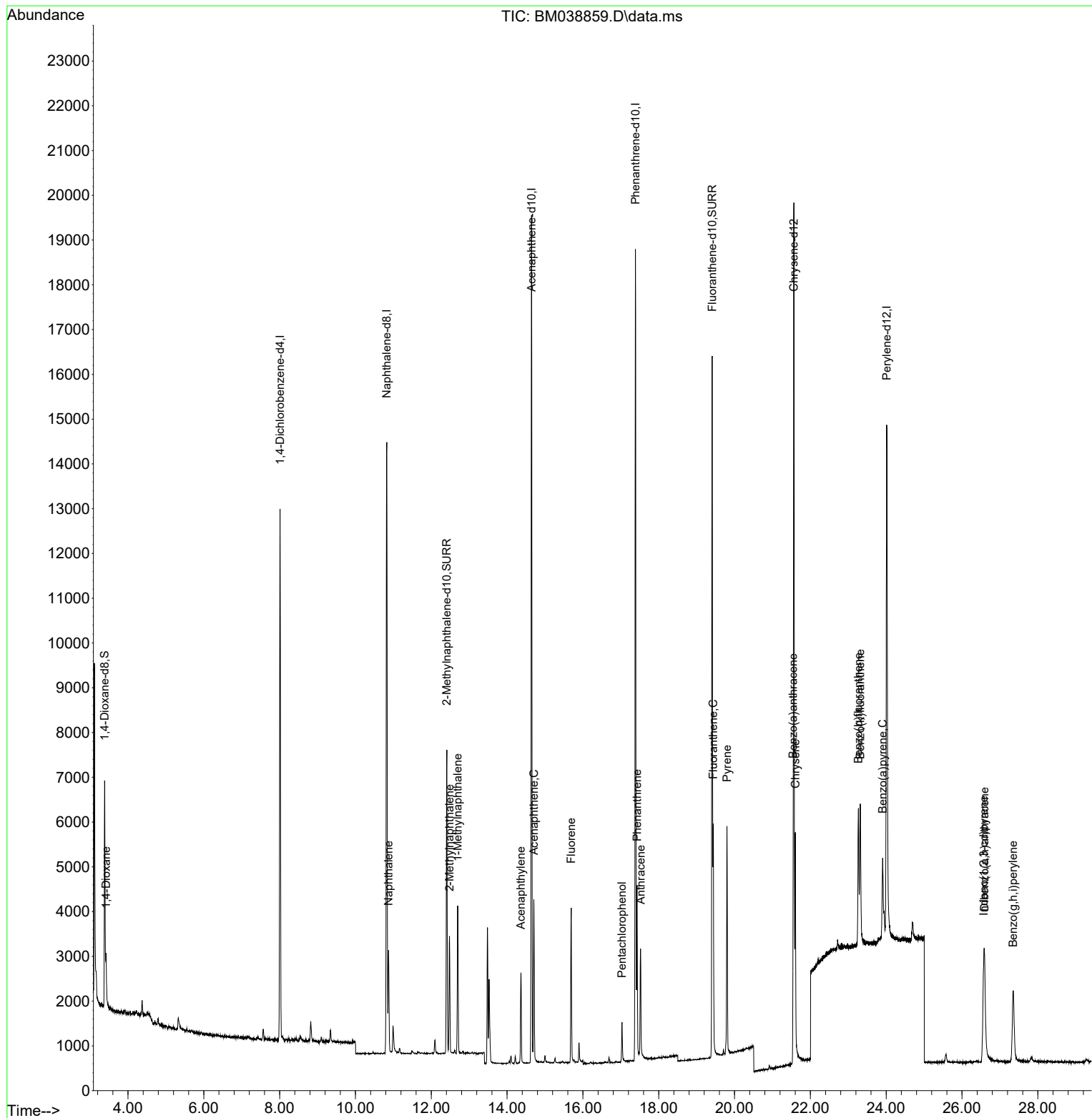
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030323\
Data File : BM038859.D
Acq On : 03 Mar 2023 15:04
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ALS Vial : 10 Sample Multiplier: 1

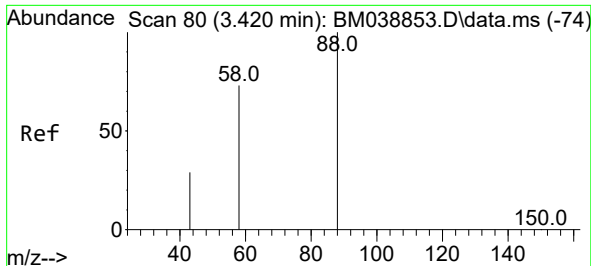
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-01

Quant Time: Mar 04 01:29:00 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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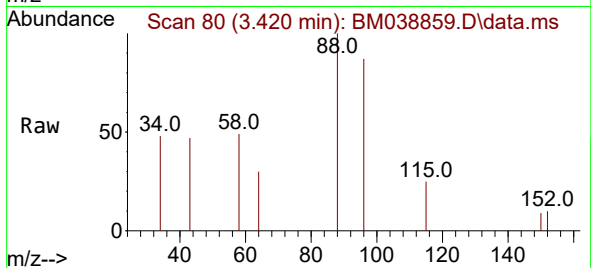
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023





#2
1,4-Dioxane
Concen: 0.089 ng/ul m
RT: 3.420 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

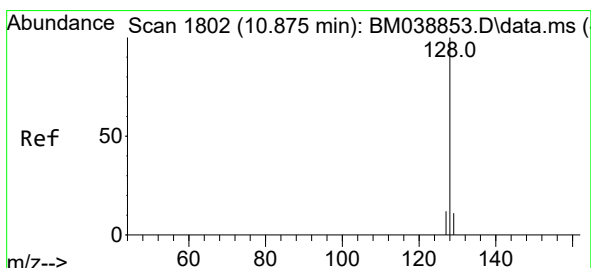
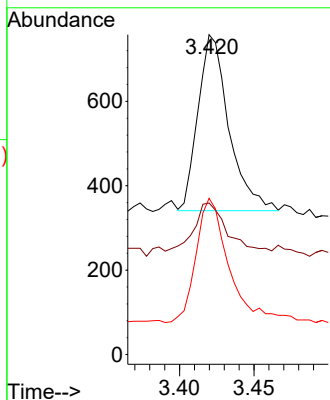
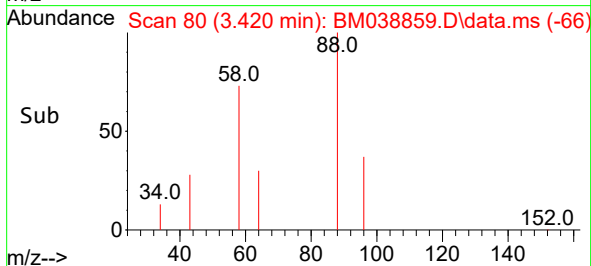
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-01



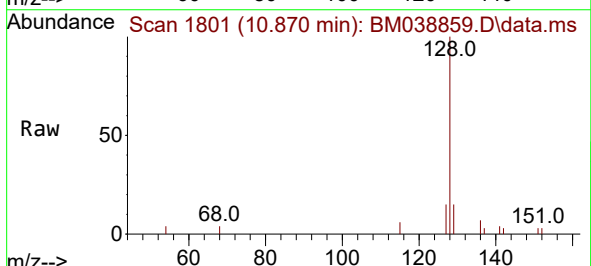
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 47.4 27.2 40.8
58 48.8 50.8 76.2

Manual Integrations
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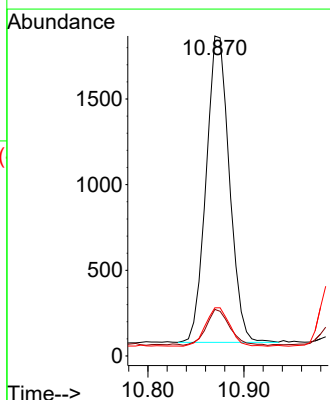
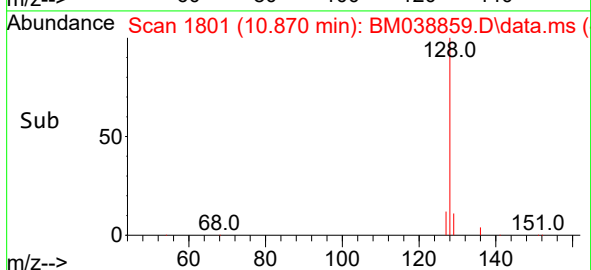
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

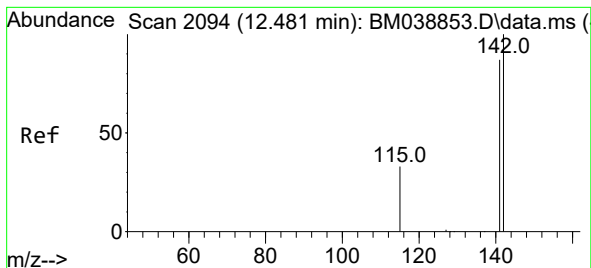


#5
Naphthalene
Concen: 0.067 ng/ul
RT: 10.870 min Scan# 1801
Delta R.T. -0.005 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04



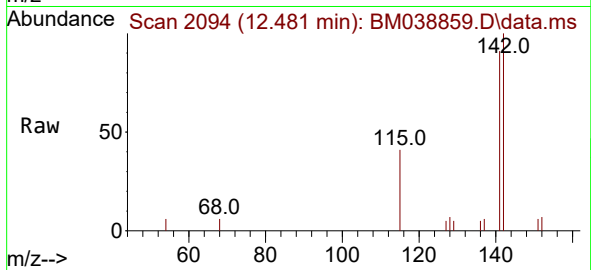
Tgt Ion:128 Resp: 3016
Ion Ratio Lower Upper
128 100
129 14.6 9.1 13.7#
127 15.0 10.3 15.5





#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.481 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

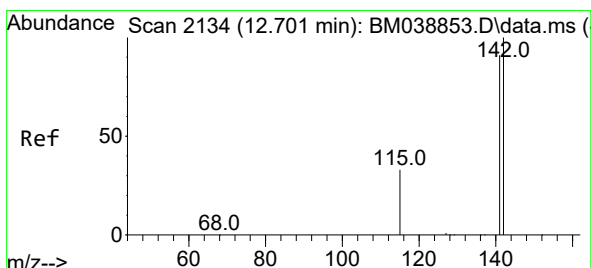
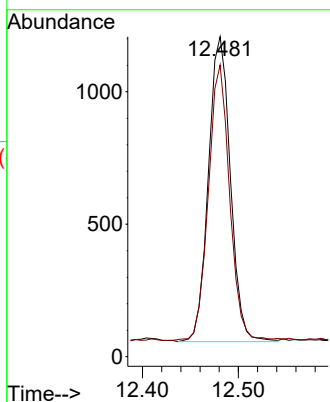
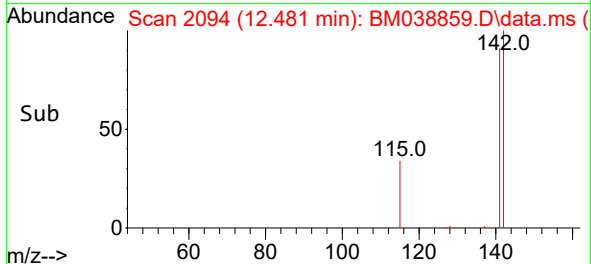
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BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-01



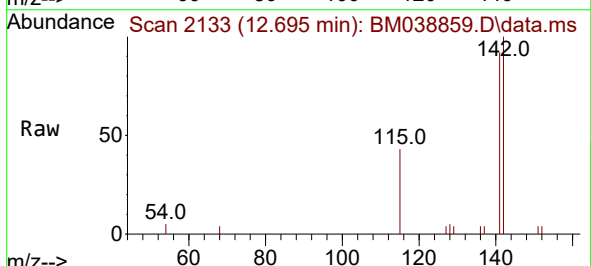
Tgt Ion:142 Resp: 1828
Ion Ratio Lower Upper
142 100
141 87.5 69.9 104.9

Manual Integrations
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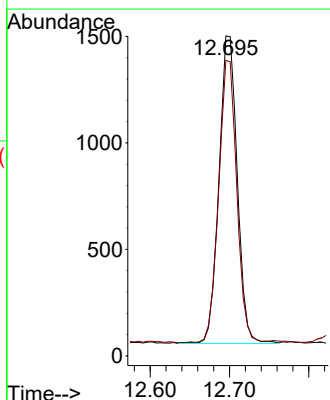
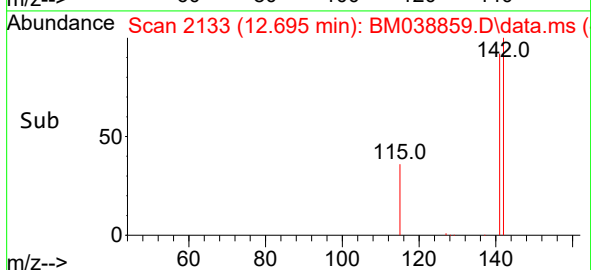
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

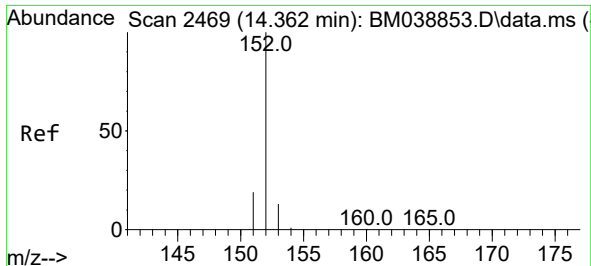


#8
1-Methylnaphthalene
Concen: 0.080 ng/ul
RT: 12.695 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04



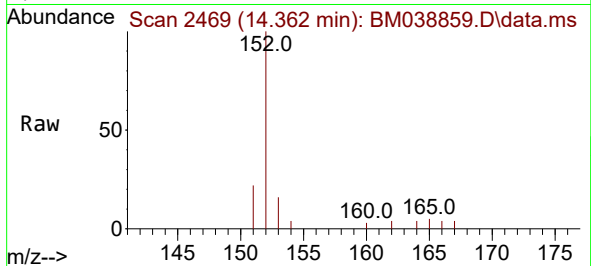
Tgt Ion:142 Resp: 2310
Ion Ratio Lower Upper
142 100
141 90.6 73.5 110.3





#10
Acenaphthylene
Concen: 0.064 ng/ul
RT: 14.362 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

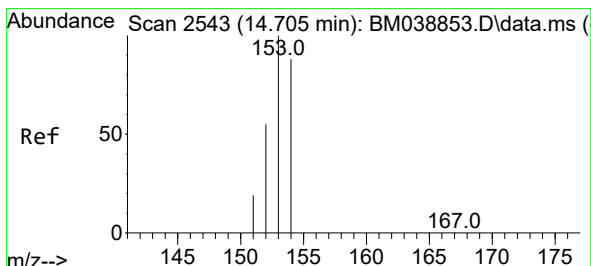
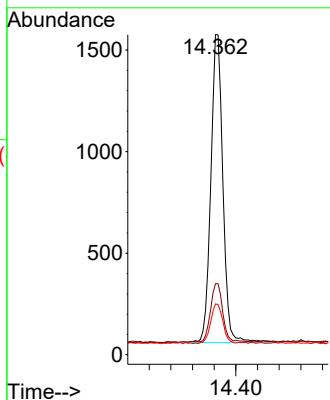
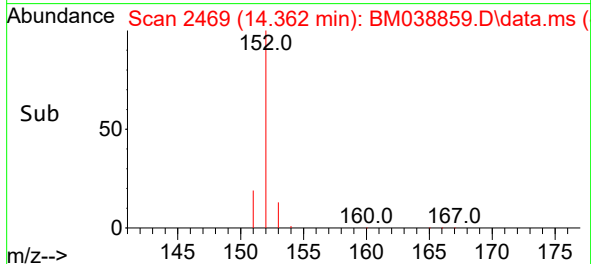
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-01



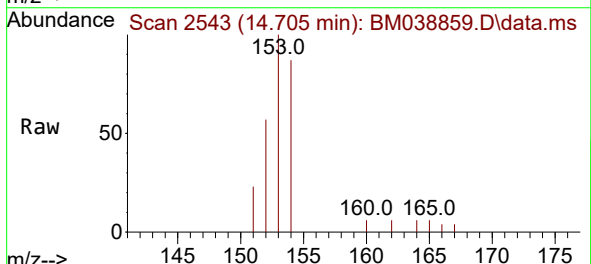
Tgt Ion:152 Resp: 2340
Ion Ratio Lower Upper
152 100
151 22.1 15.6 23.4
153 15.9 10.6 15.8

Manual Integrations
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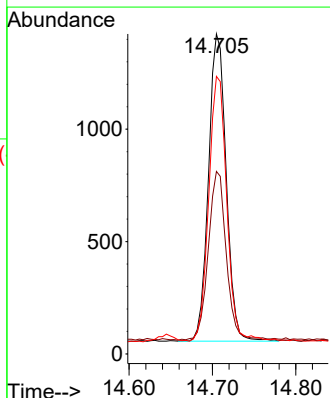
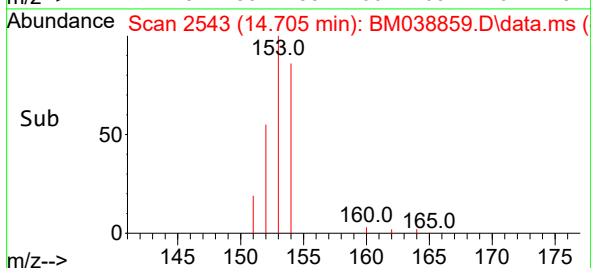
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

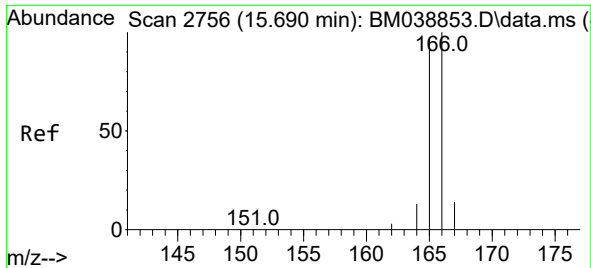


#11
Acenaphthene
Concen: 0.067 ng/ul
RT: 14.705 min Scan# 2543
Delta R.T. 0.000 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04



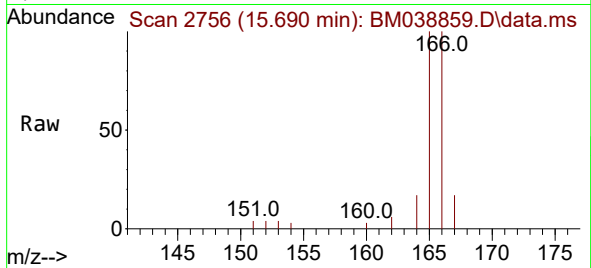
Tgt Ion:153 Resp: 2012
Ion Ratio Lower Upper
153 100
152 57.0 44.2 66.2
154 86.7 70.6 105.8





#12
Fluorene
Concen: 0.065 ng/ul
RT: 15.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

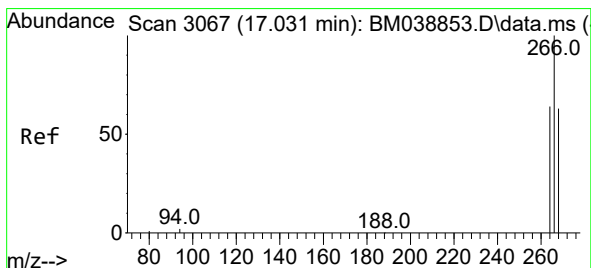
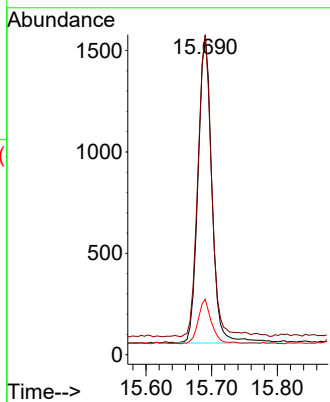
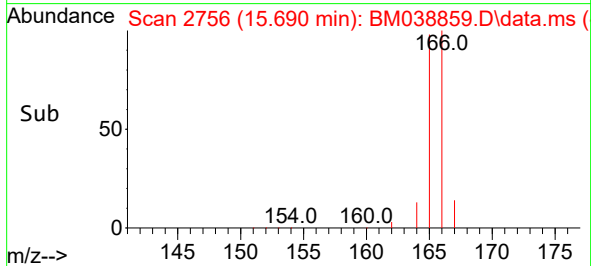
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ClientSampleId :
MDL-WATER-QT1-2023-01



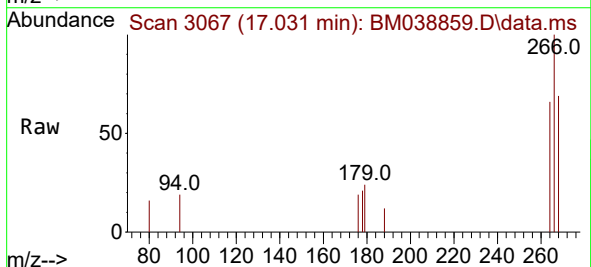
Tgt Ion:166 Resp: 2224
Ion Ratio Lower Upper
166 100
165 100.4 77.8 116.6
167 17.4 11.4 17.2

Manual Integrations
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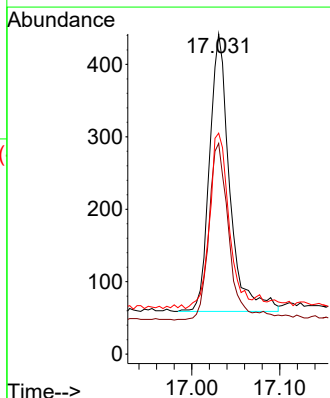
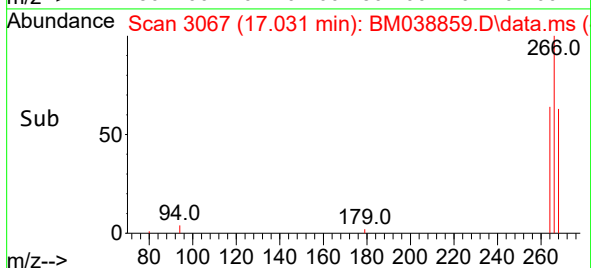
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

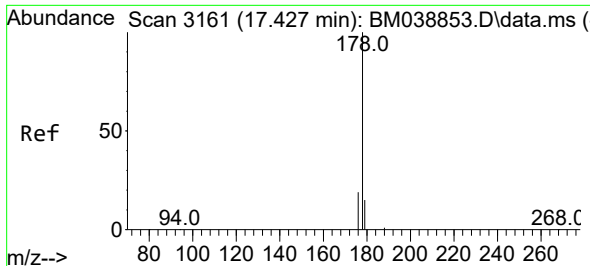


#14
Pentachlorophenol
Concen: 0.118 ng/ul
RT: 17.031 min Scan# 3067
Delta R.T. 0.000 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04



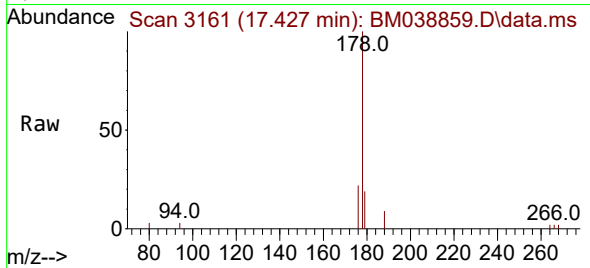
Tgt Ion:266 Resp: 608
Ion Ratio Lower Upper
266 100
264 65.6 50.2 75.2
268 61.2 50.2 75.4





#15
Phenanthrene
Concen: 0.067 ng/ul
RT: 17.427 min Scan# 3161
Delta R.T. 0.000 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

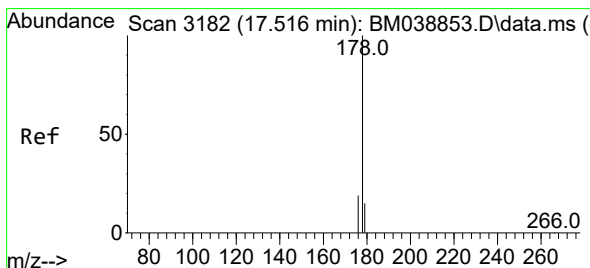
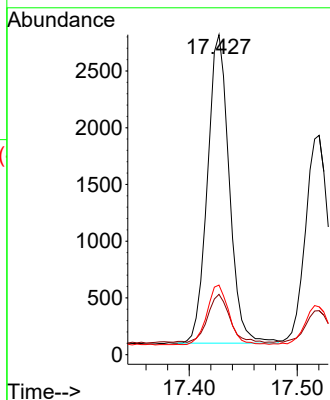
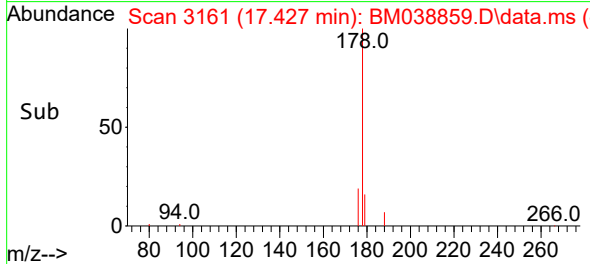
Instrument :
BNA_M
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MDL-WATER-QT1-2023-01



Tgt Ion:178 Resp: 3807
Ion Ratio Lower Upper
178 100
179 18.9 12.7 19.1
176 21.7 15.9 23.9

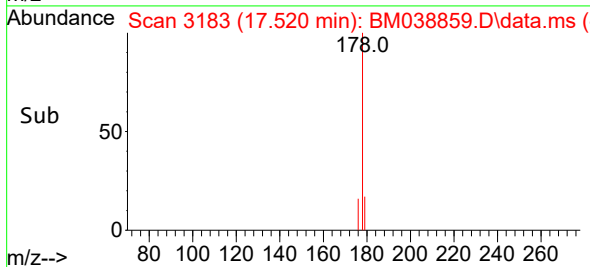
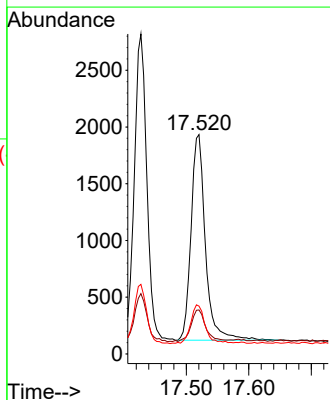
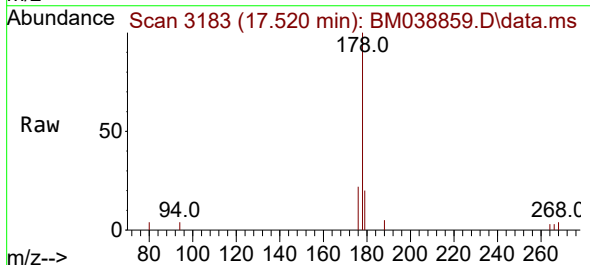
Manual Integrations
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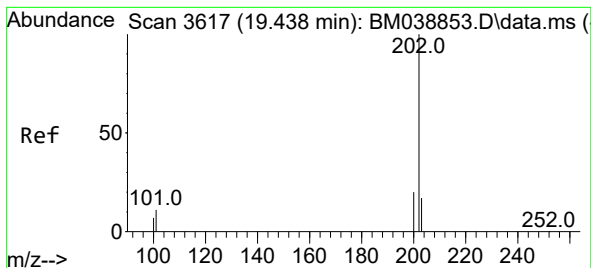
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#16
Anthracene
Concen: 0.062 ng/ul
RT: 17.520 min Scan# 3183
Delta R.T. 0.004 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

Tgt Ion:178 Resp: 2890
Ion Ratio Lower Upper
178 100
179 20.1 13.0 19.6#
176 21.8 15.4 23.2





#19

Fluoranthene

Concen: 0.072 ng/ul

RT: 19.438 min Scan# 3617

Delta R.T. 0.000 min

Lab File: BM038859.D

Acq: 03 Mar 2023 15:04

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2023-01

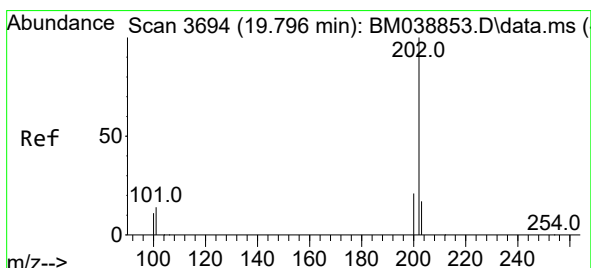
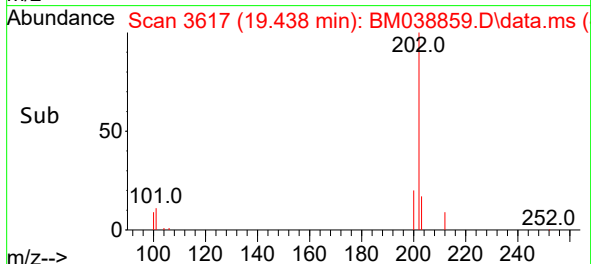
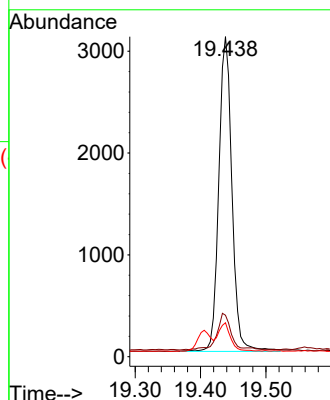
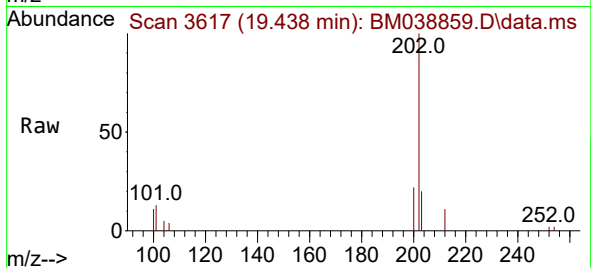
Tgt Ion:	202	Resp:	4320
Ion Ratio	Lower	Upper	
202	100		
101	13.0	8.9	13.3
100	10.6	6.8	10.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/06/2023



#20

Pyrene

Concen: 0.070 ng/ul

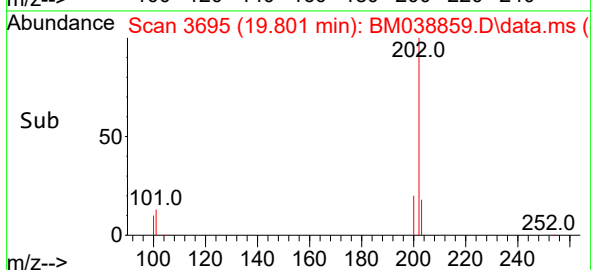
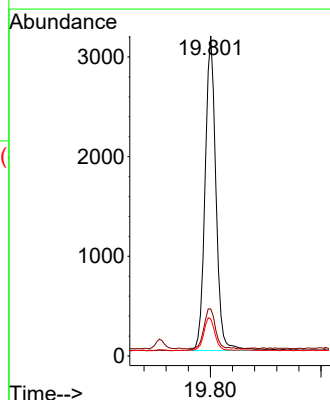
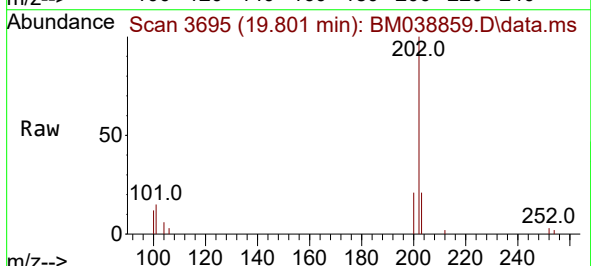
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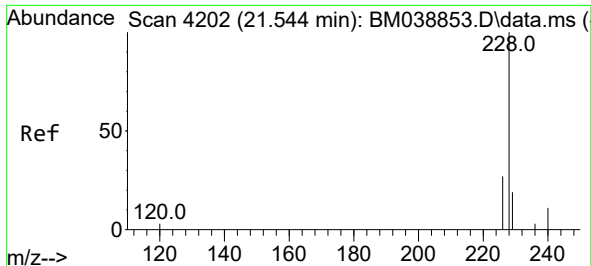
Delta R.T. 0.005 min

Lab File: BM038859.D

Acq: 03 Mar 2023 15:04

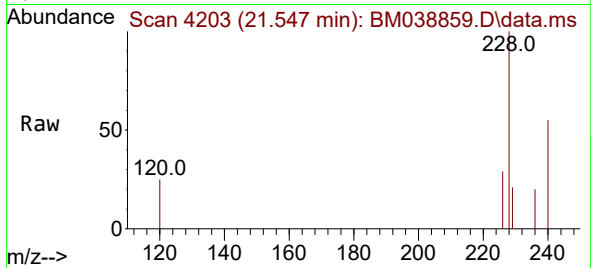
Tgt Ion:	202	Resp:	4305
Ion Ratio	Lower	Upper	
202	100		
101	14.7	11.2	16.8
100	11.6	9.0	13.6





#21
Benzo(a)anthracene
Concen: 0.068 ng/ul
RT: 21.547 min Scan# 41
Delta R.T. 0.003 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

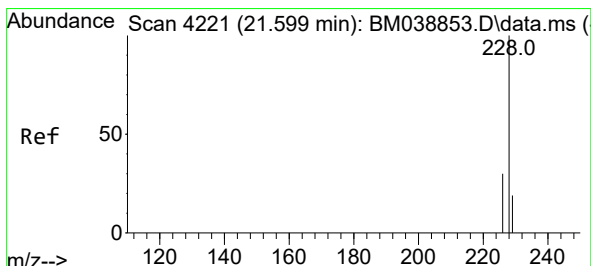
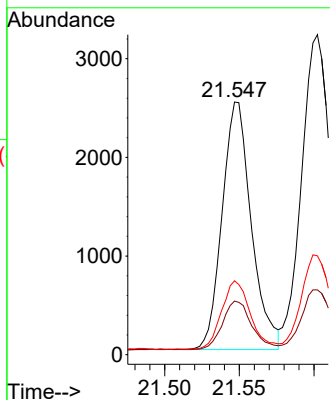
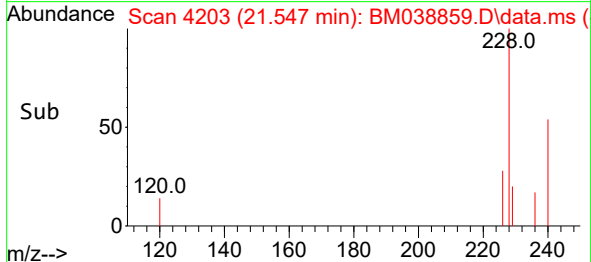
Instrument :
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MDL-WATER-QT1-2023-01



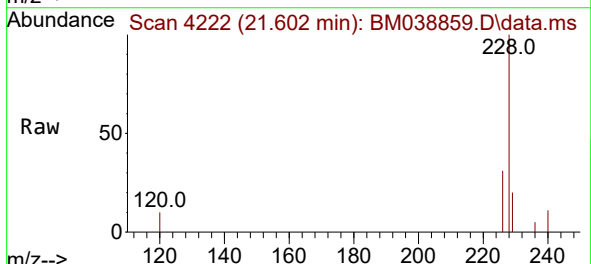
Tgt Ion:228 Resp: 3420
Ion Ratio Lower Upper
228 100
229 21.2 15.6 23.4
226 29.2 22.0 33.0

Manual Integrations
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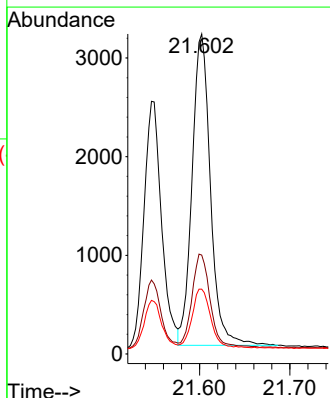
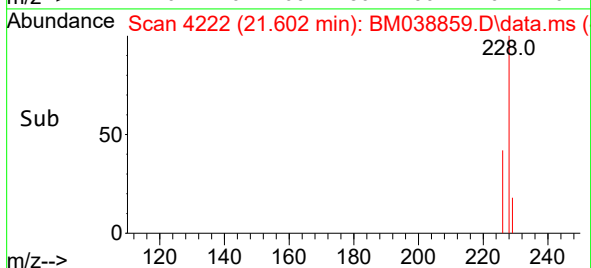
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

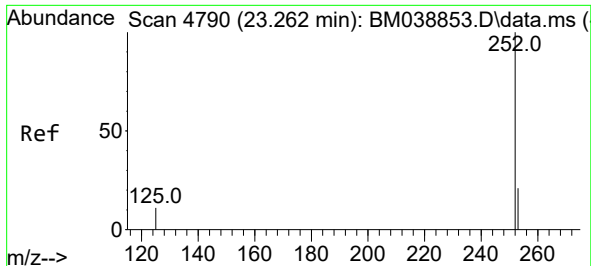


#22
Chrysene
Concen: 0.074 ng/ul
RT: 21.602 min Scan# 4222
Delta R.T. 0.003 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04



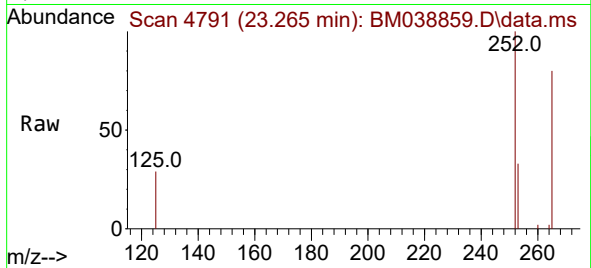
Tgt Ion:228 Resp: 4458
Ion Ratio Lower Upper
228 100
226 30.9 24.0 36.0
229 20.3 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.064 ng/ul
RT: 23.265 min Scan# 4791
Delta R.T. 0.003 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

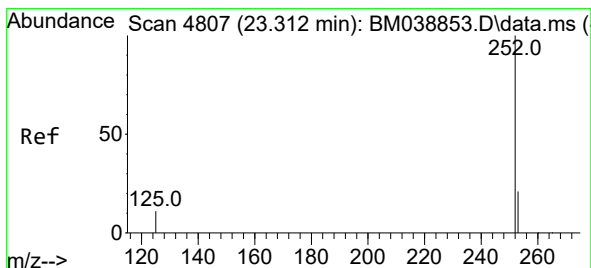
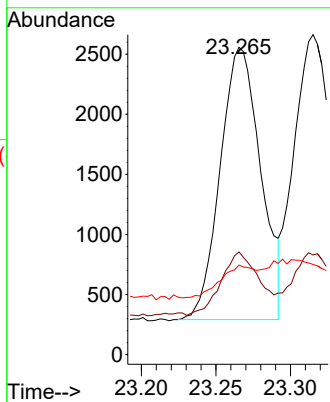
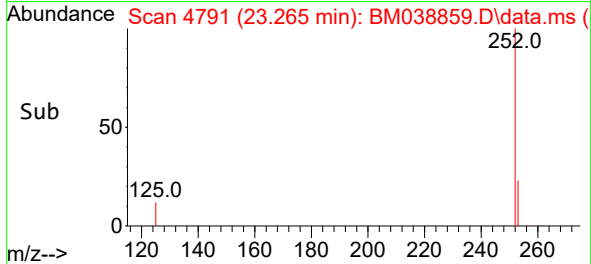
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-01



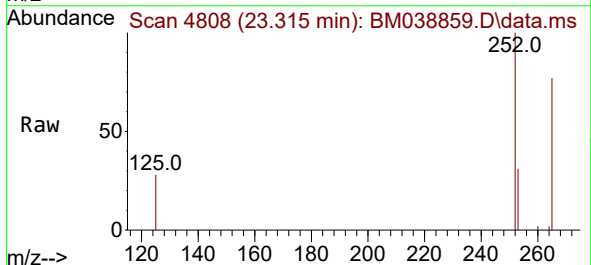
Tgt Ion:252 Resp: 4285
Ion Ratio Lower Upper
252 100
253 33.4 0.0 47.6
125 29.1 0.0 29.2

Manual Integrations
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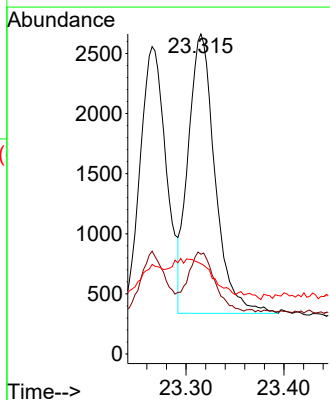
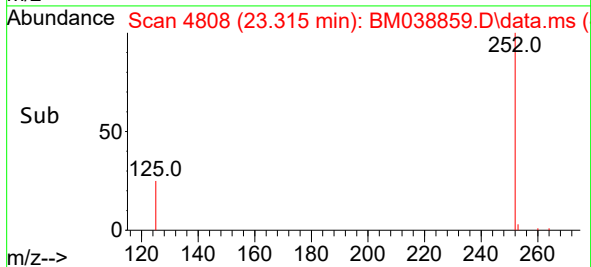
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

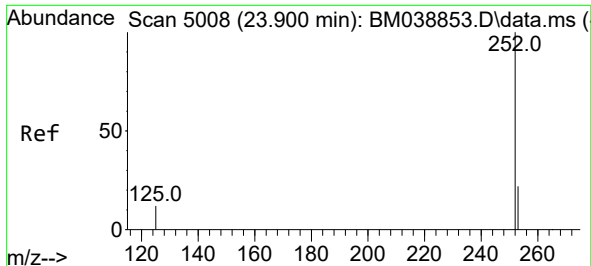


#25
Benzo(k)fluoranthene
Concen: 0.066 ng/ul
RT: 23.315 min Scan# 4808
Delta R.T. 0.003 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04



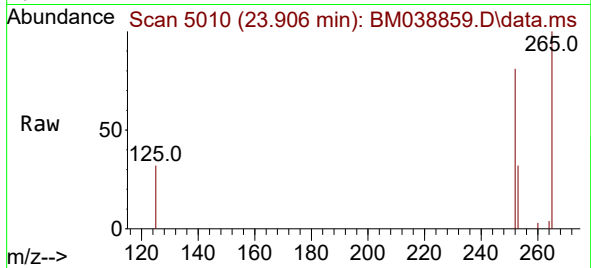
Tgt Ion:252 Resp: 4427
Ion Ratio Lower Upper
252 100
253 31.1 19.2 28.8#
125 28.2 11.8 17.6#





#26
Benzo(a)pyrene
Concen: 0.069 ng/ul
RT: 23.906 min Scan# 5008
Delta R.T. 0.006 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

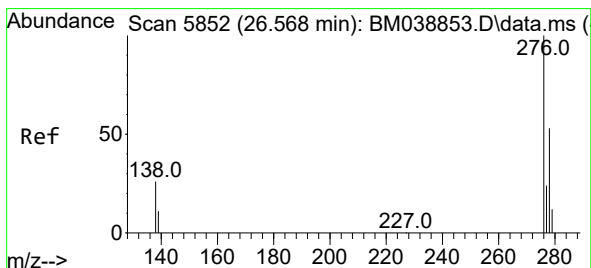
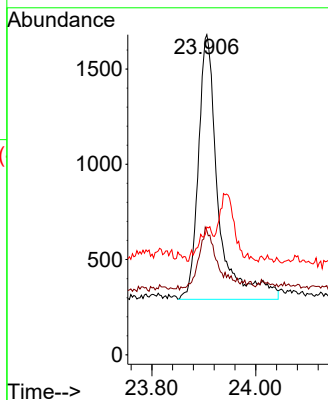
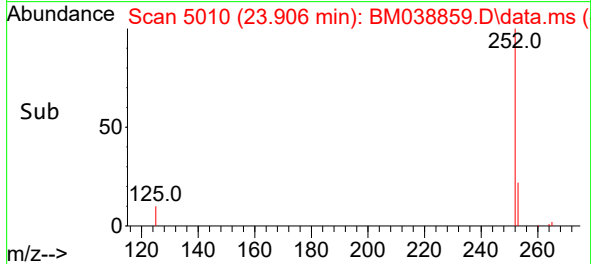
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-01



Tgt Ion:252 Resp: 368
Ion Ratio Lower Upper
252 100
253 38.8 20.3 30.5
125 39.9 14.0 21.0

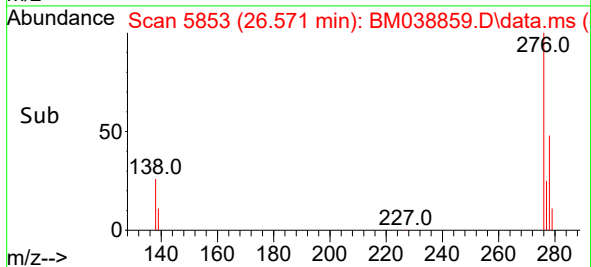
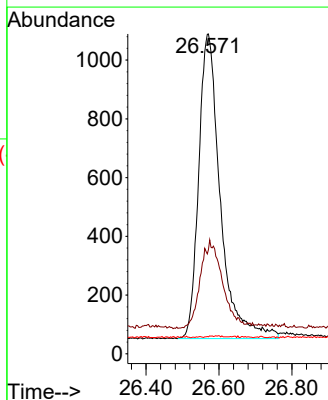
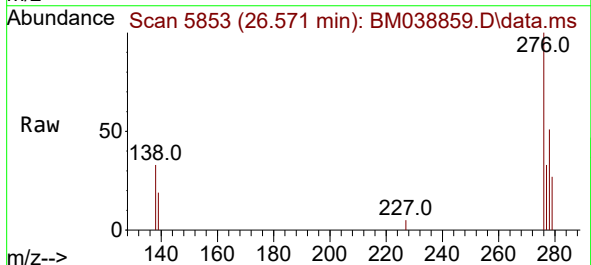
Manual Integrations
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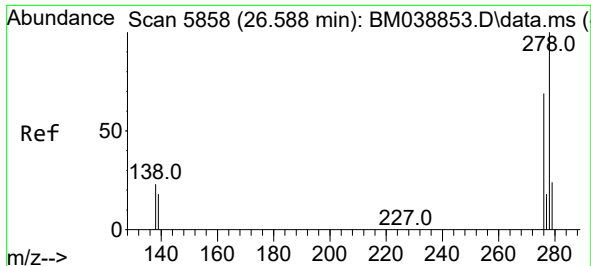
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.063 ng/ul
RT: 26.571 min Scan# 5853
Delta R.T. 0.003 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

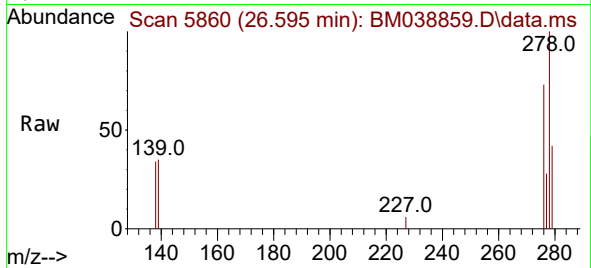
Tgt Ion:276 Resp: 4267
Ion Ratio Lower Upper
276 100
138 29.3 22.2 33.4
227 0.2 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.063 ng/ul
RT: 26.595 min Scan# 5860
Delta R.T. 0.007 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

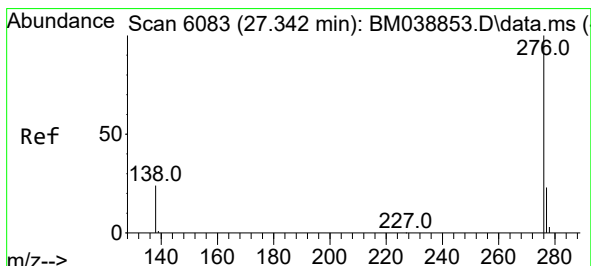
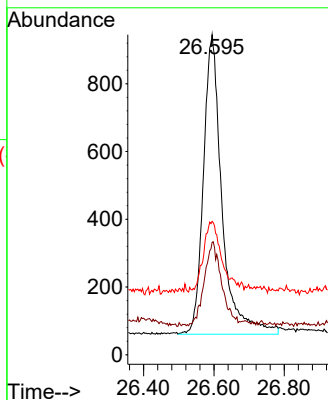
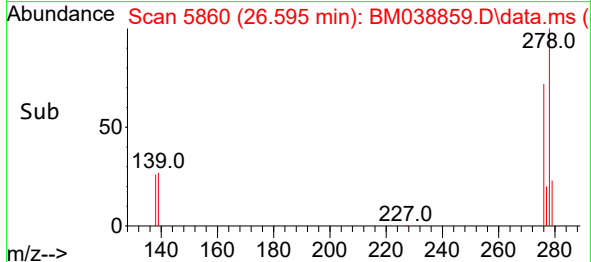
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2023-01



Tgt Ion:278 Resp: 324
Ion Ratio Lower Upper
278 100
139 35.1 16.0 24.0
279 41.7 21.8 32.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#29
Benzo(g,h,i)perylene
Concen: 0.063 ng/ul
RT: 27.346 min Scan# 6084
Delta R.T. 0.003 min
Lab File: BM038859.D
Acq: 03 Mar 2023 15:04

Tgt Ion:276 Resp: 3956
Ion Ratio Lower Upper
276 100
138 30.9 20.2 30.4
277 29.7 19.8 29.8

