

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011223\
 Data File : BM038434.D
 Acq On : 12 Jan 2023 10:42
 Operator : CG/JU
 Sample : N4239-02
 Misc : SFAM-SIM-MDL-W-02-0.07NG
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT3-2022-06

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023

Quant Time: Jan 12 11:12:49 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM123022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 01:15:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.000	152	1246	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	3505	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.629	164	2036	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.375	188	3944	0.400	ng/ul	0.00
17) Chrysene-d12	21.545	240	4114	0.400	ng/ul	0.00
23) Perylene-d12	23.974	264	4423	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.368	96	1001	0.539	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	1662	0.316	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	3912	0.336	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.406	88	170m	0.089	ng/ul	
5) Naphthalene	10.862	128	567	0.061	ng/ul#	62
7) 2-Methylnaphthalene	12.478	142	321	0.056	ng/ul	96
8) 1-Methylnaphthalene	12.687	142	323	0.055	ng/ul	98
10) Acenaphthylene	14.351	152	535	0.056	ng/ul#	74
11) Acenaphthene	14.694	153	405	0.058	ng/ul#	92
12) Fluorene	15.684	166	432	0.054	ng/ul#	94
14) Pentachlorophenol	17.042	266	160	0.114	ng/ul	94
15) Phenanthrene	17.413	178	680	0.058	ng/ul#	80
16) Anthracene	17.514	178	541	0.050	ng/ul#	68
19) Fluoranthene	19.427	202	857	0.060	ng/ul#	77
20) Pyrene	19.789	202	931	0.061	ng/ul#	82
21) Benzo(a)anthracene	21.527	228	784	0.057	ng/ul#	88
22) Chrysene	21.583	228	844	0.058	ng/ul#	89
24) Benzo(b)fluoranthene	23.231	252	964	0.060	ng/ul#	51
25) Benzo(k)fluoranthene	23.281	252	971	0.061	ng/ul#	49
26) Benzo(a)pyrene	23.868	252	816	0.054	ng/ul#	41
27) Indeno(1,2,3-cd)pyrene	26.512	276	1141	0.052	ng/ul	93
28) Dibenzo(a,h)anthracene	26.532	278	951	0.055	ng/ul#	47
29) Benzo(g,h,i)perylene	27.290	276	1056	0.054	ng/ul#	68

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

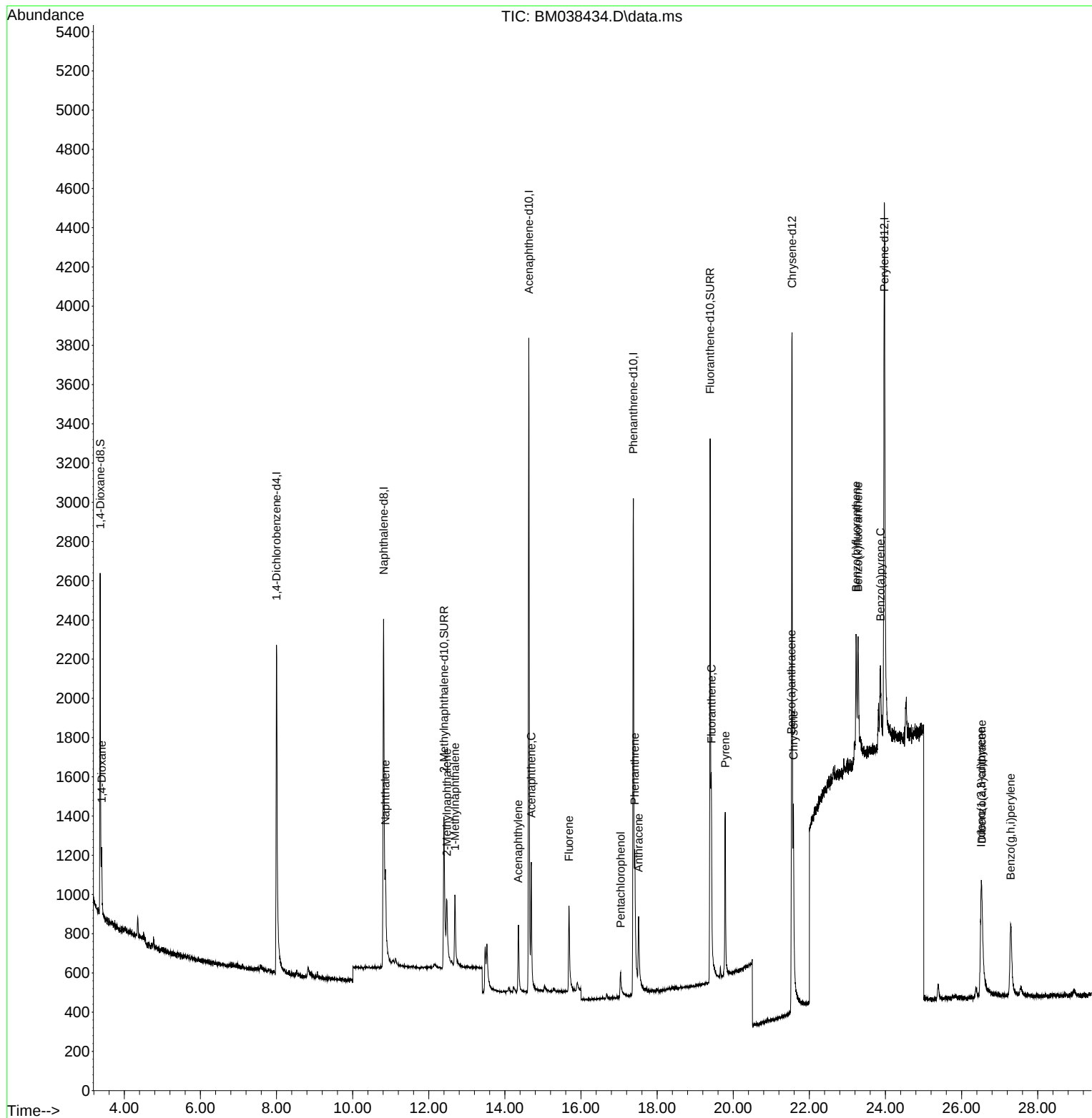
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011223\
Data File : BM038434.D
Acq On : 12 Jan 2023 10:42
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ALS Vial : 4 Sample Multiplier: 1

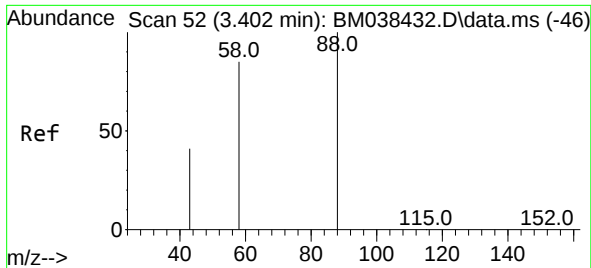
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06

Quant Time: Jan 12 11:12:49 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM123022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 01:15:30 2023
Response via : Initial Calibration

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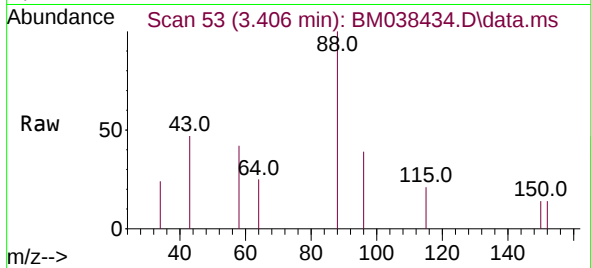
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023





#2
1,4-Dioxane
Concen: 0.089 ng/ul m
RT: 3.406 min Scan# 51
Delta R.T. 0.004 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

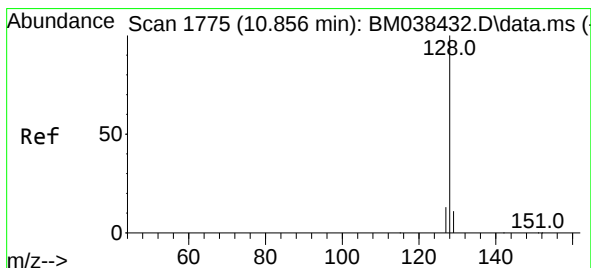
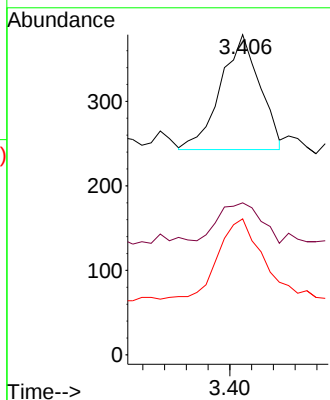
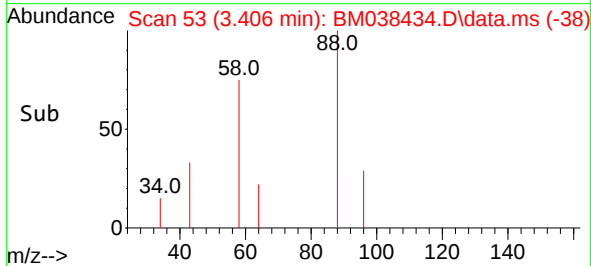
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06



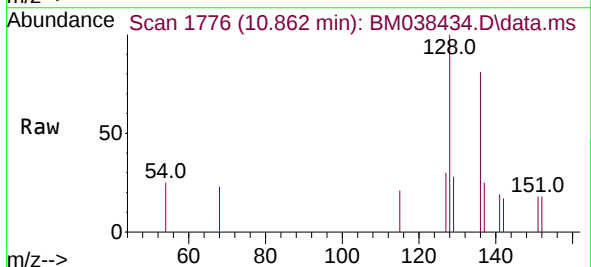
Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 47.5 32.6 49.0
58 42.5 46.6 69.8

Manual Integrations
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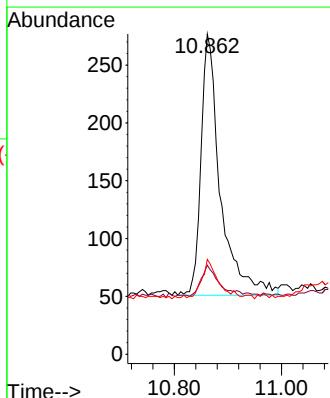
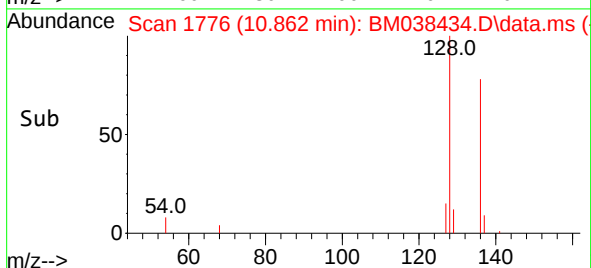
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

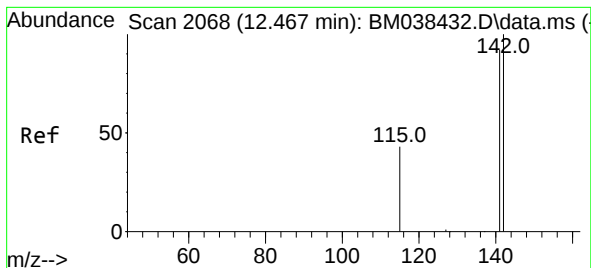


#5
Naphthalene
Concen: 0.061 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. 0.005 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42



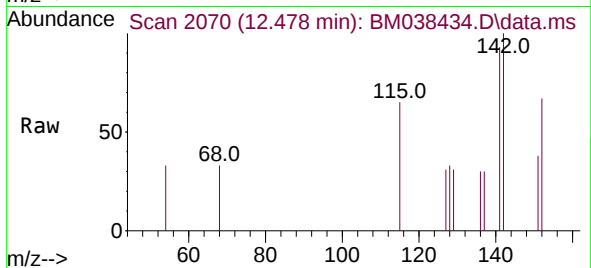
Tgt Ion:128 Resp: 567
Ion Ratio Lower Upper
128 100
129 27.8 10.2 15.2#
127 29.6 11.4 17.2#





#7
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.478 min Scan# 2068
Delta R.T. 0.011 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

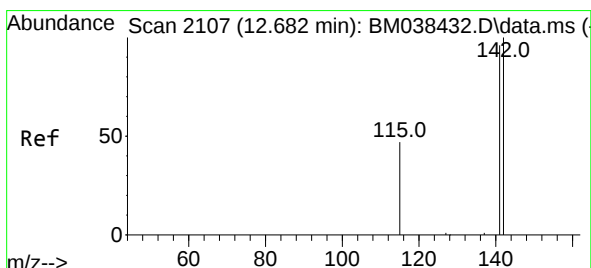
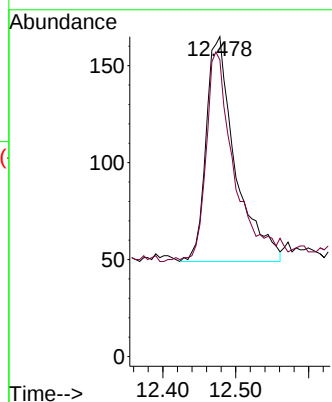
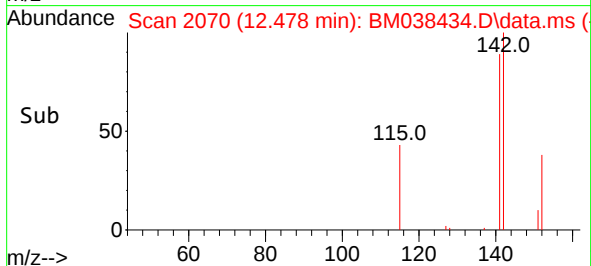
Instrument :
BNA_M
ClientSampleId :
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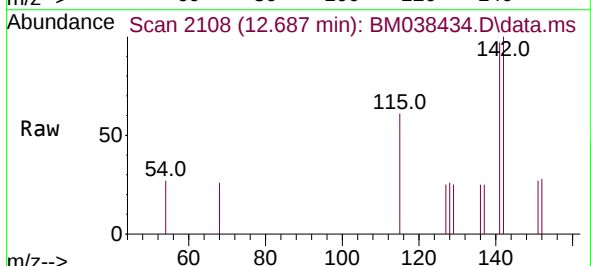
Tgt Ion:142 Resp: 323
Ion Ratio Lower Upper
142 100
141 93.1 71.2 106.8

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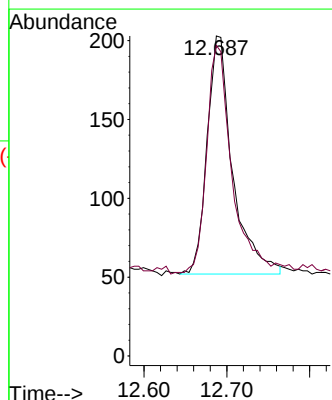
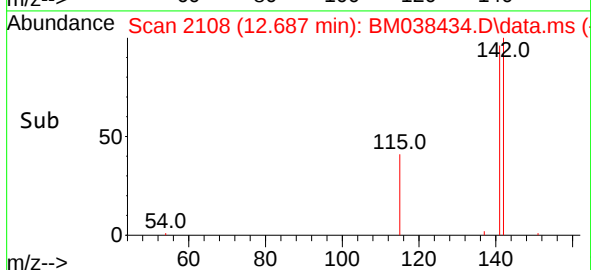
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

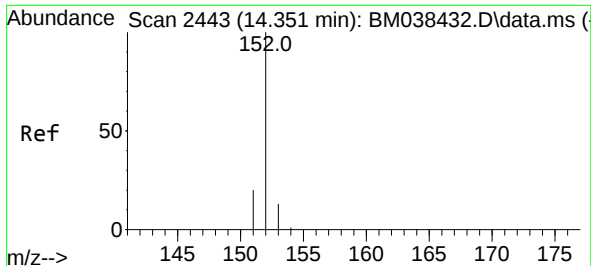


#8
1-Methylnaphthalene
Concen: 0.055 ng/ul
RT: 12.687 min Scan# 2108
Delta R.T. 0.005 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42



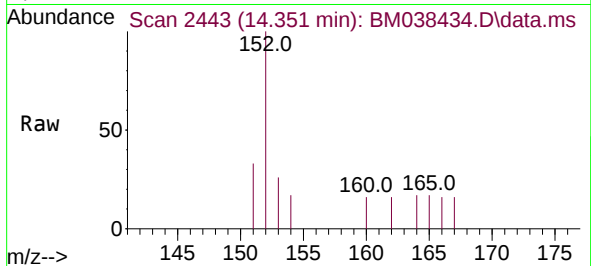
Tgt Ion:142 Resp: 323
Ion Ratio Lower Upper
142 100
141 93.8 73.2 109.8





#10
Acenaphthylene
Concen: 0.056 ng/ul
RT: 14.351 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

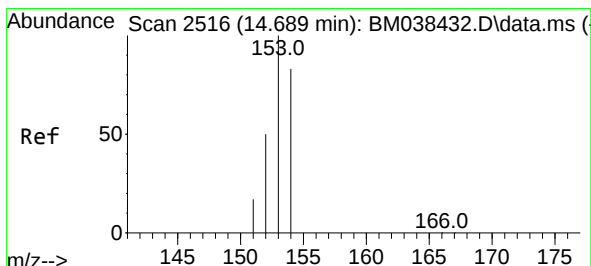
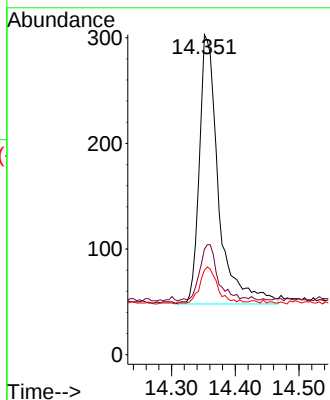
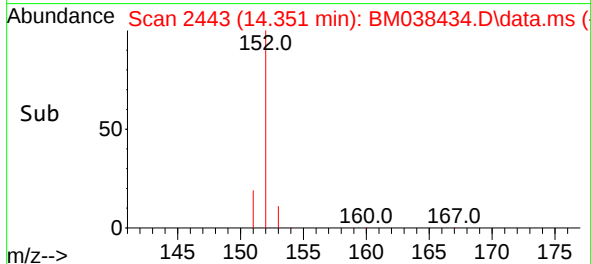
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06



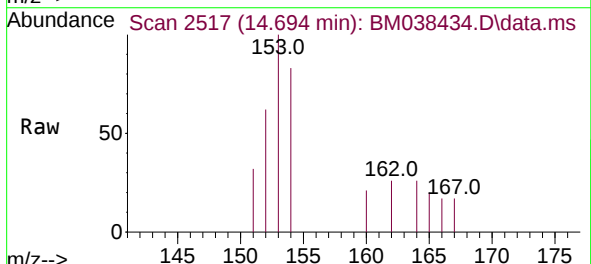
Tgt Ion:152 Resp: 535
Ion Ratio Lower Upper
152 100
151 33.0 17.0 25.4
153 26.4 12.0 18.0

Manual Integrations
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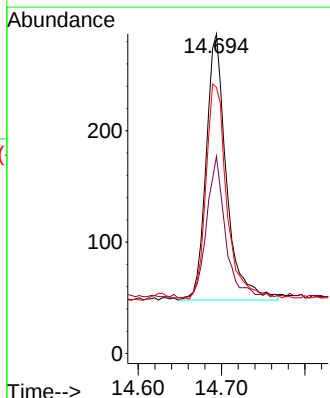
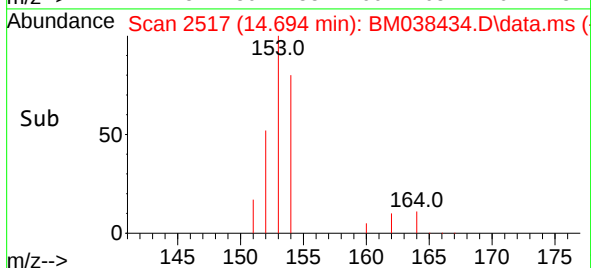
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

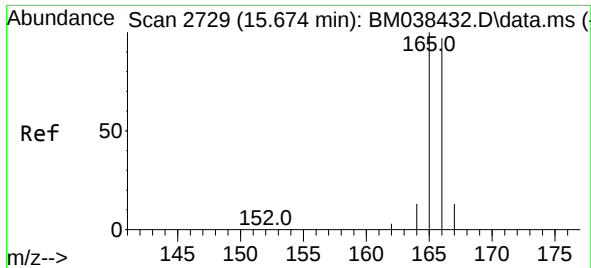


#11
Acenaphthene
Concen: 0.058 ng/ul
RT: 14.694 min Scan# 2517
Delta R.T. 0.004 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42



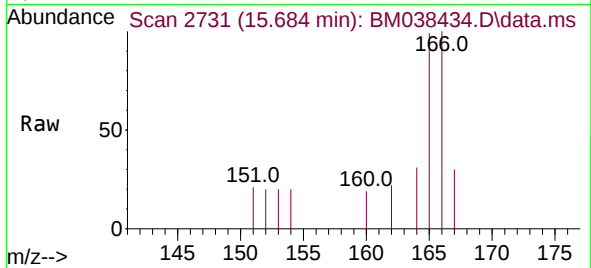
Tgt Ion:153 Resp: 405
Ion Ratio Lower Upper
153 100
152 61.7 38.8 58.2
154 83.3 67.3 100.9





#12
Fluorene
Concen: 0.054 ng/ul
RT: 15.684 min Scan# 2731
Delta R.T. 0.009 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

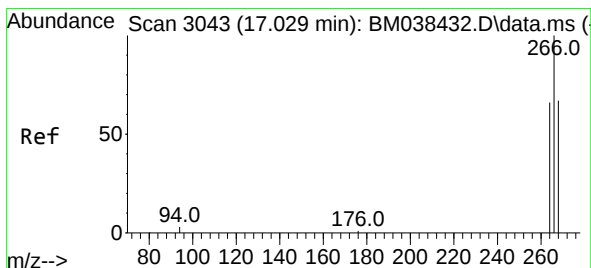
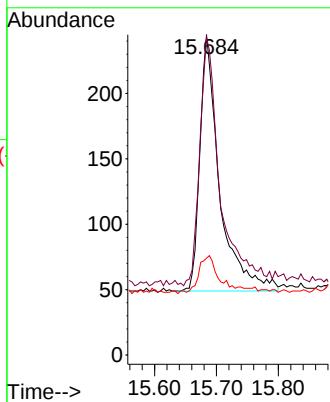
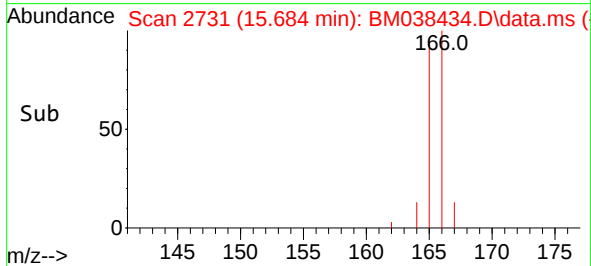
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06



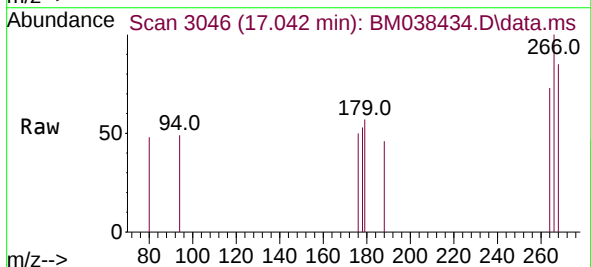
Tgt Ion:166 Resp: 432
Ion Ratio Lower Upper
166 100
165 99.2 78.2 117.2
167 30.2 12.5 18.7

Manual Integrations
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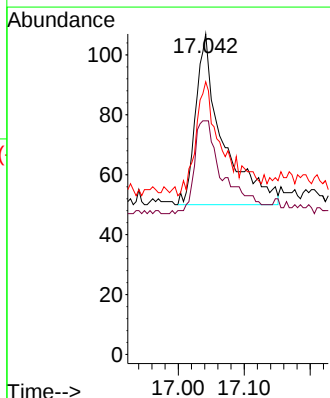
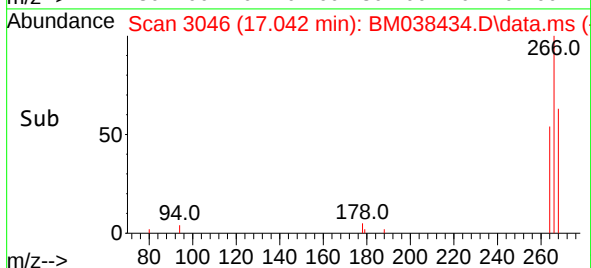
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

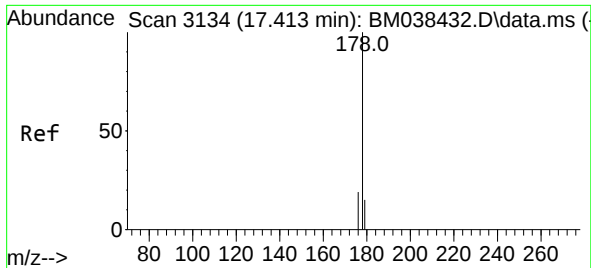


#14
Pentachlorophenol
Concen: 0.114 ng/ul
RT: 17.042 min Scan# 3046
Delta R.T. 0.008 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42



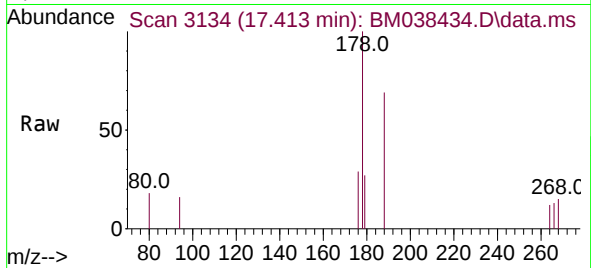
Tgt Ion:266 Resp: 160
Ion Ratio Lower Upper
266 100
264 61.3 50.0 75.0
268 68.1 48.2 72.2





#15
Phenanthrene
Concen: 0.058 ng/ul
RT: 17.413 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

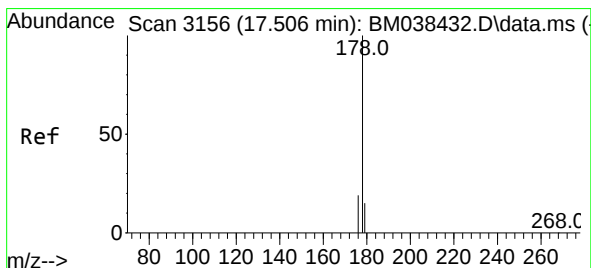
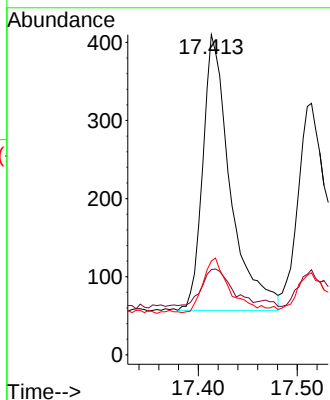
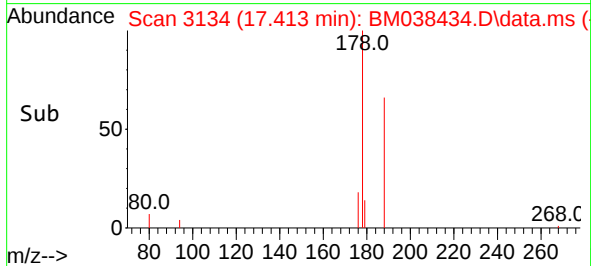
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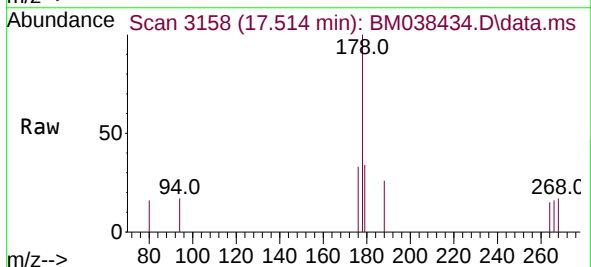
Tgt Ion:178 Resp: 680
Ion Ratio Lower Upper
178 100
179 26.6 13.5 20.3#
176 29.3 16.6 25.0#

Manual Integrations
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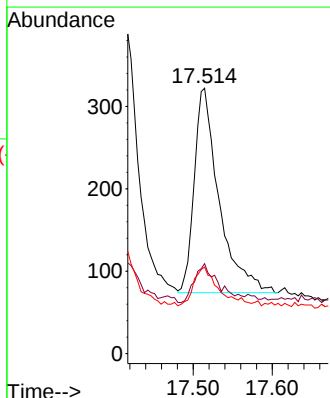
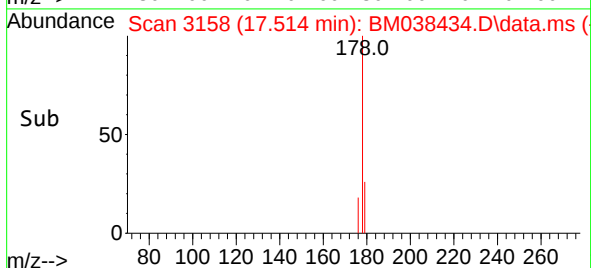
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

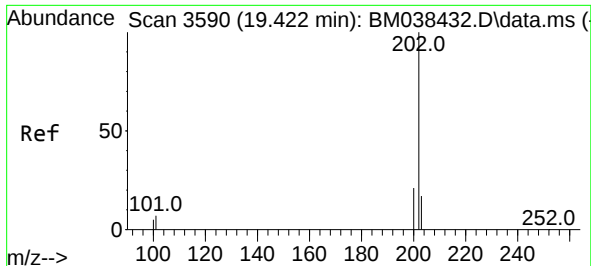


#16
Anthracene
Concen: 0.050 ng/ul
RT: 17.514 min Scan# 3158
Delta R.T. 0.008 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42



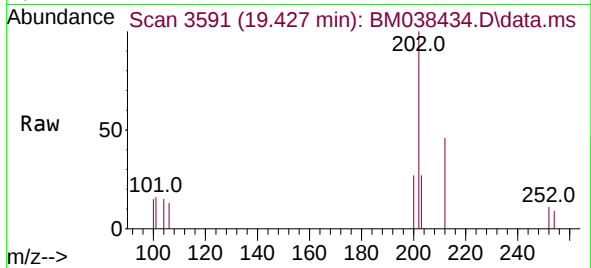
Tgt Ion:178 Resp: 541
Ion Ratio Lower Upper
178 100
179 33.9 14.2 21.2#
176 32.6 15.8 23.8#





#19
Fluoranthene
Concen: 0.060 ng/ul
RT: 19.427 min Scan# 3591
Delta R.T. 0.005 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

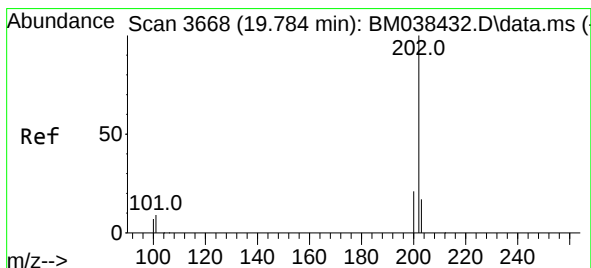
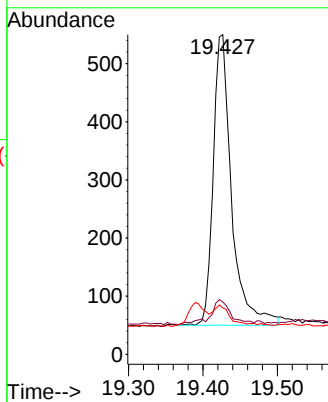
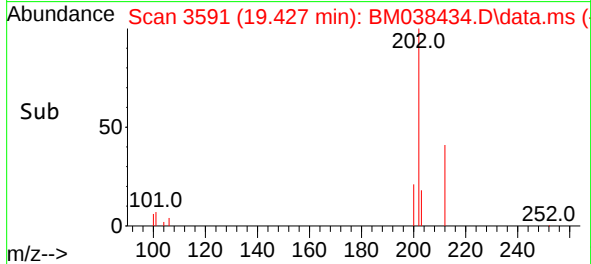
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06



Tgt Ion:202 Resp: 852
Ion Ratio Lower Upper
202 100
101 16.4 6.6 10.0#
100 14.5 5.4 8.2#

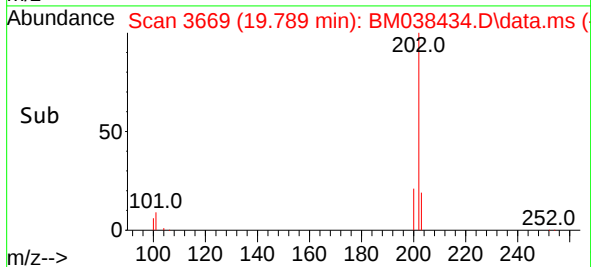
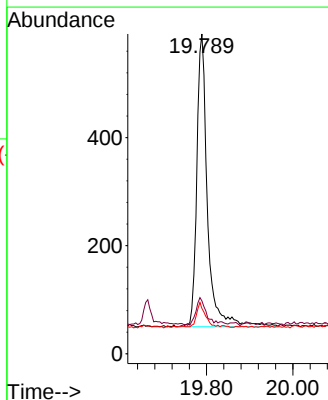
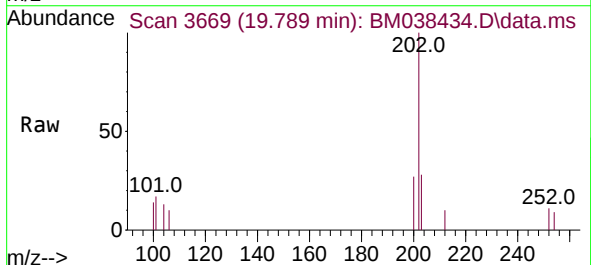
Manual Integrations
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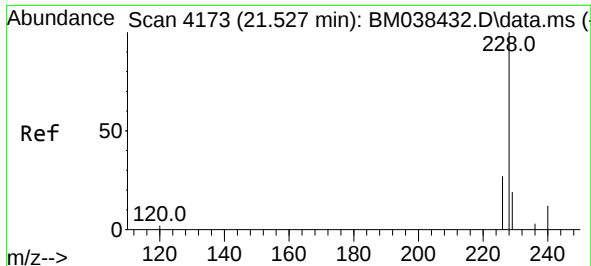
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#20
Pyrene
Concen: 0.061 ng/ul
RT: 19.789 min Scan# 3669
Delta R.T. 0.005 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

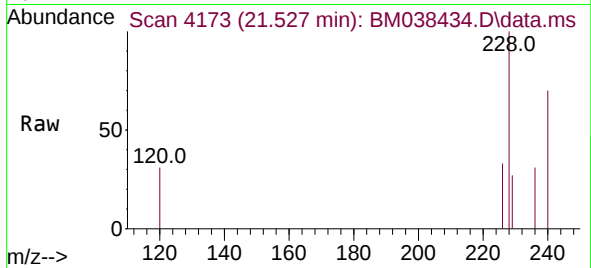
Tgt Ion:202 Resp: 931
Ion Ratio Lower Upper
202 100
101 16.6 7.8 11.6#
100 14.2 6.5 9.7#





#21
Benzo(a)anthracene
Concen: 0.057 ng/ul
RT: 21.527 min Scan# 4173
Delta R.T. -0.000 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

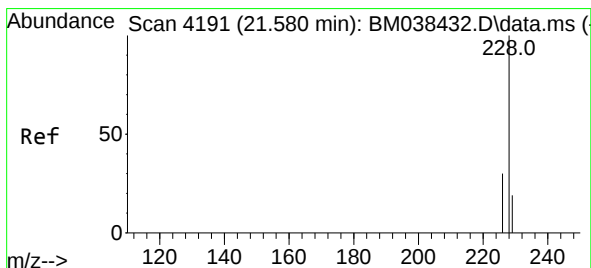
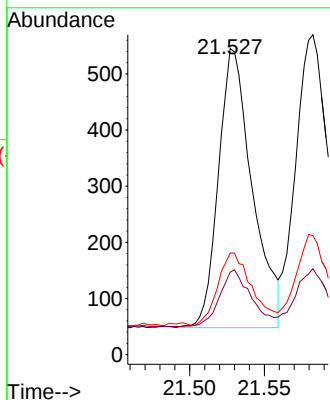
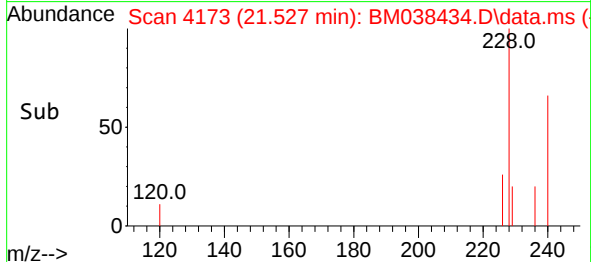
Instrument :
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Tgt Ion:228 Resp: 784
Ion Ratio Lower Upper
228 100
229 27.0 16.4 24.6
226 33.2 22.2 33.2

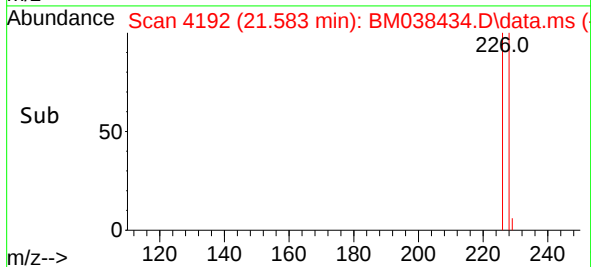
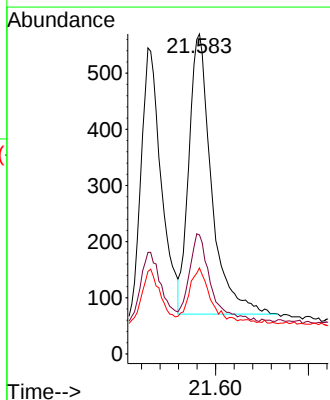
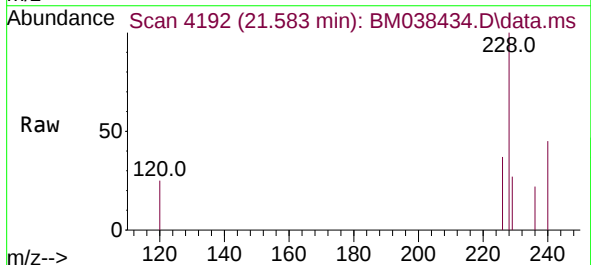
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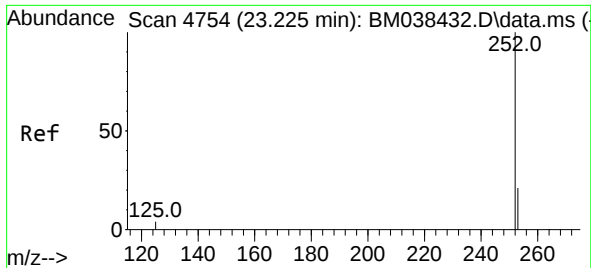
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#22
Chrysene
Concen: 0.058 ng/ul
RT: 21.583 min Scan# 4192
Delta R.T. 0.003 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

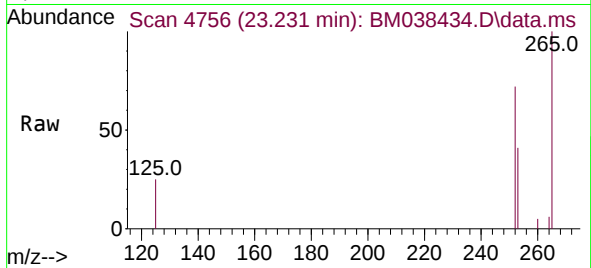
Tgt Ion:228 Resp: 844
Ion Ratio Lower Upper
228 100
226 37.2 25.3 37.9
229 26.8 16.4 24.6#





#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 23.231 min Scan# 4754
Delta R.T. 0.003 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

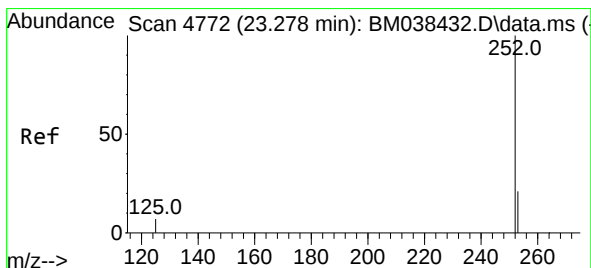
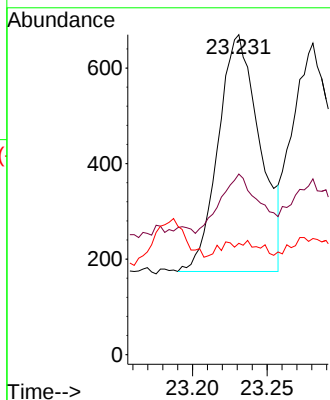
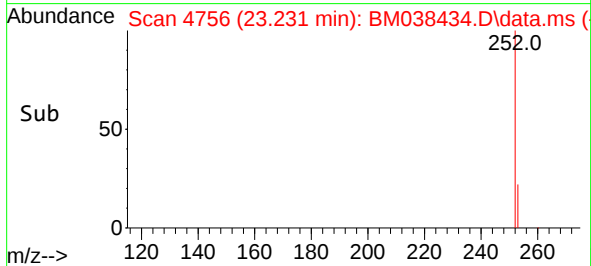
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06



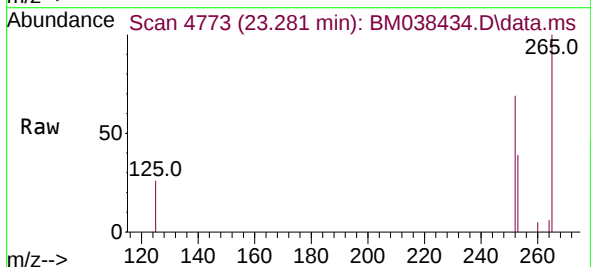
Tgt Ion:252 Resp: 964
Ion Ratio Lower Upper
252 100
253 56.4 0.0 60.4
125 34.8 0.0 27.6

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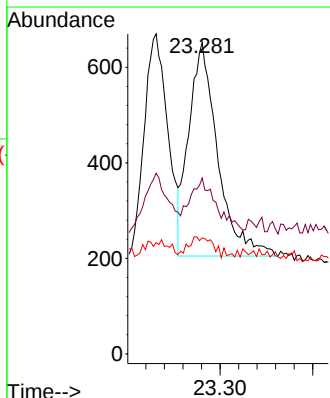
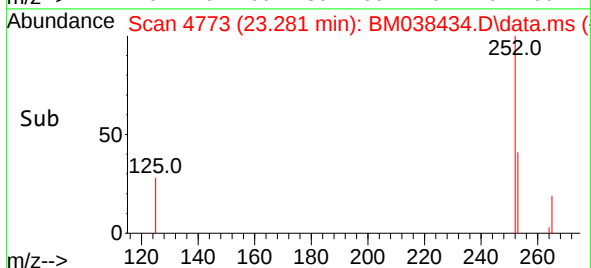
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

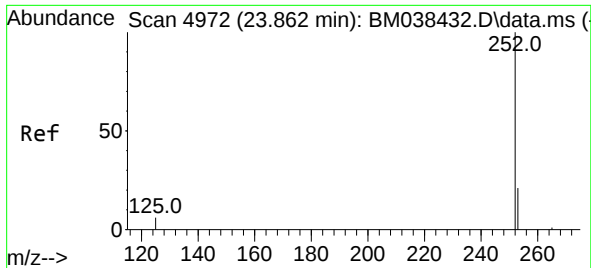


#25
Benzo(k)fluoranthene
Concen: 0.061 ng/ul
RT: 23.281 min Scan# 4773
Delta R.T. 0.006 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42



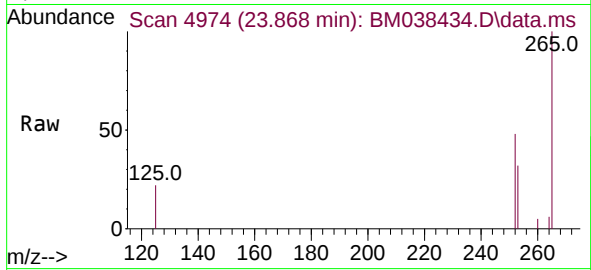
Tgt Ion:252 Resp: 971
Ion Ratio Lower Upper
252 100
253 56.4 24.4 36.6#
125 37.3 10.7 16.1#





#26
Benzo(a)pyrene
Concen: 0.054 ng/ul
RT: 23.868 min Scan# 4972
Delta R.T. 0.003 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

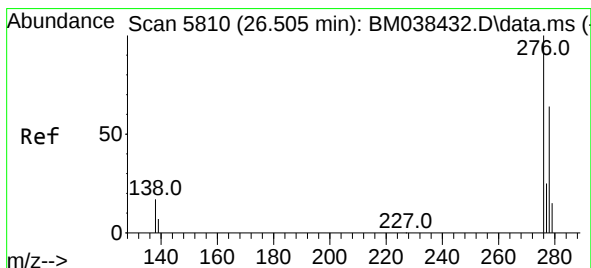
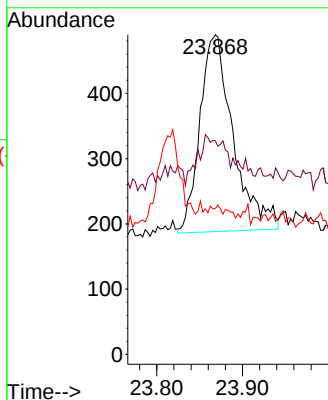
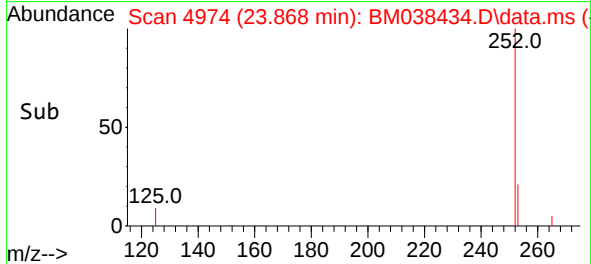
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06



Tgt Ion:252 Resp: 816
Ion Ratio Lower Upper
252 100
253 66.7 27.4 41.2
125 45.7 13.8 20.8

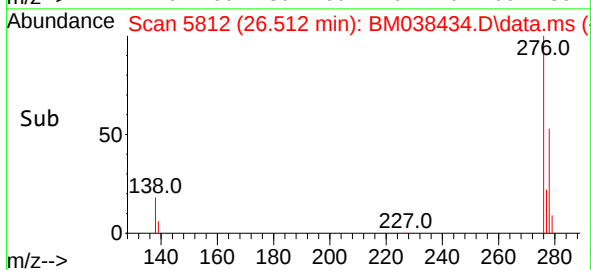
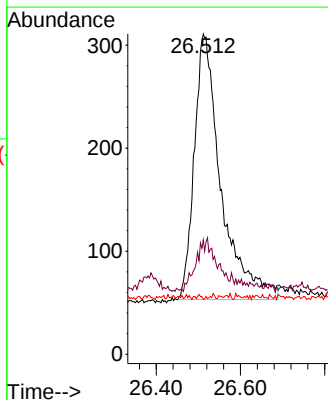
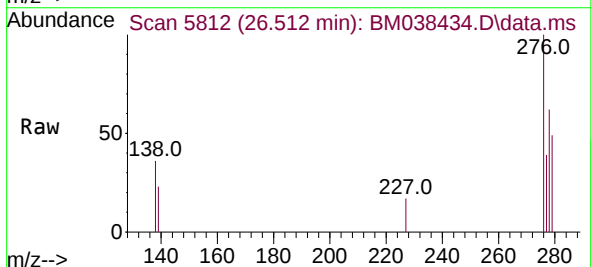
Manual Integrations
APPROVED

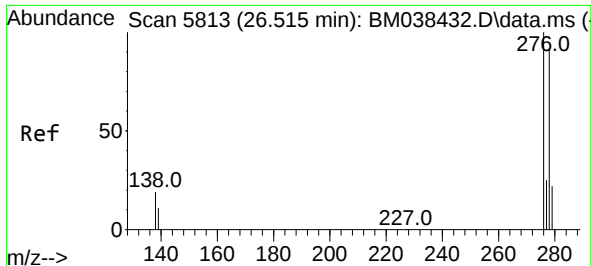
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.052 ng/ul
RT: 26.512 min Scan# 5812
Delta R.T. 0.010 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

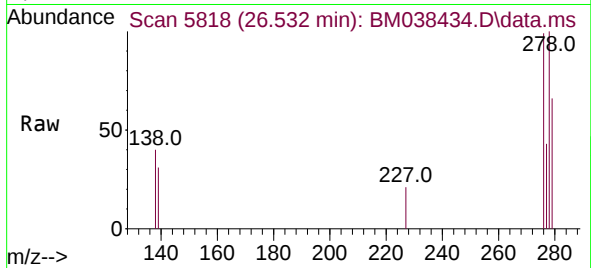
Tgt Ion:276 Resp: 1141
Ion Ratio Lower Upper
276 100
138 14.4 14.1 21.1
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.055 ng/ul
RT: 26.532 min Scan# 5813
Delta R.T. 0.010 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42

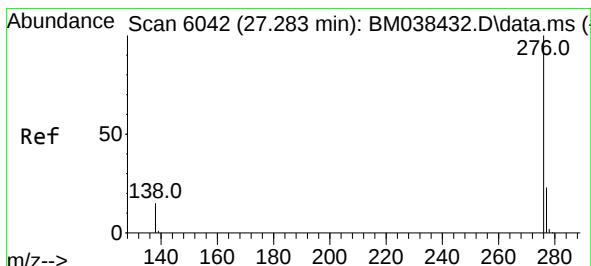
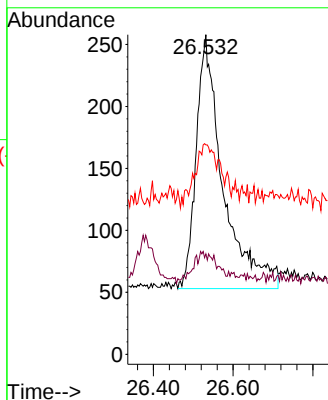
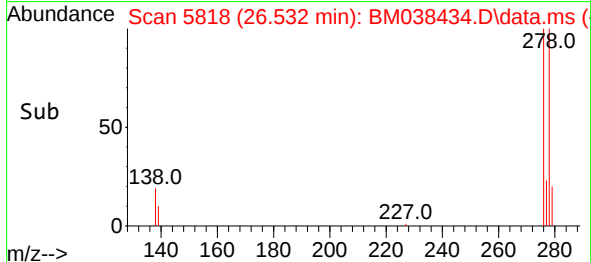
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-06



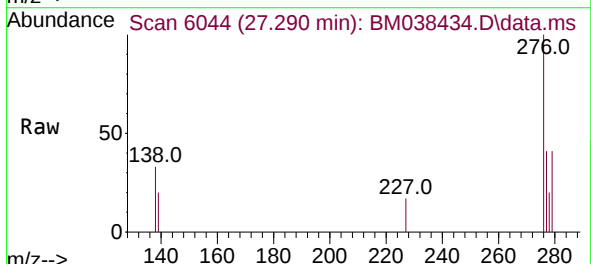
Tgt Ion:278 Resp: 951
Ion Ratio Lower Upper
278 100
139 31.4 11.4 17.0#
279 65.5 26.4 39.6#

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#29
Benzo(g,h,i)perylene
Concen: 0.054 ng/ul
RT: 27.290 min Scan# 6044
Delta R.T. 0.003 min
Lab File: BM038434.D
Acq: 12 Jan 2023 10:42



Tgt Ion:276 Resp: 1056
Ion Ratio Lower Upper
276 100
138 33.4 14.4 21.6#
277 41.2 20.7 31.1#

