

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
 Data File : BM042364.D
 Acq On : 19 Oct 2023 11:21
 Operator : MA/JU
 Sample : 02215-02
 Misc : SFAM-SIM-MDL-WATER-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Oct 19 11:52:22 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 10/21/2023
 Supervised By :mohammad ahmed 10/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	3654	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9445	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3912	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7440	0.400	ng/ul	0.00
17) Chrysene-d12	21.580	240	2911	0.400	ng/ul	0.00
23) Perylene-d12	24.047	264	2949	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.373	96	2168	0.402	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4338	0.373	ng/ul	0.00
18) Fluoranthene-d10	19.422	212	5491	0.417	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	615m	0.107	ng/ul	
5) Naphthalene	10.884	128	2098	0.069	ng/ul#	90
7) 2-Methylnaphthalene	12.490	142	1217	0.069	ng/ul	97
8) 1-Methylnaphthalene	12.710	142	1224	0.068	ng/ul	98
10) Acenaphthylene	14.384	152	1684	0.072	ng/ul#	89
11) Acenaphthene	14.713	153	1388	0.072	ng/ul	97
12) Fluorene	15.707	166	1467	0.070	ng/ul#	97
14) Pentachlorophenol	17.042	266	198	0.069	ng/ul	96
15) Phenanthrene	17.447	178	2291	0.071	ng/ul#	91
16) Anthracene	17.540	178	1792	0.065	ng/ul#	89
19) Fluoranthene	19.455	202	2355	0.074	ng/ul	94
20) Pyrene	19.822	202	2330	0.071	ng/ul	94
21) Benzo(a)anthracene	21.565	228	1543	0.071	ng/ul	94
22) Chrysene	21.618	228	1701	0.076	ng/ul	95
24) Benzo(b)fluoranthene	23.284	252	1703	0.071	ng/ul#	52
25) Benzo(k)fluoranthene	23.337	252	1669	0.073	ng/ul#	51
26) Benzo(a)pyrene	23.936	252	1459	0.077	ng/ul#	42
27) Indeno(1,2,3-cd)pyrene	26.646	276	1754	0.072	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.669	278	1218	0.069	ng/ul#	71
29) Benzo(g,h,i)perylene	27.454	276	1546	0.073	ng/ul#	83

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

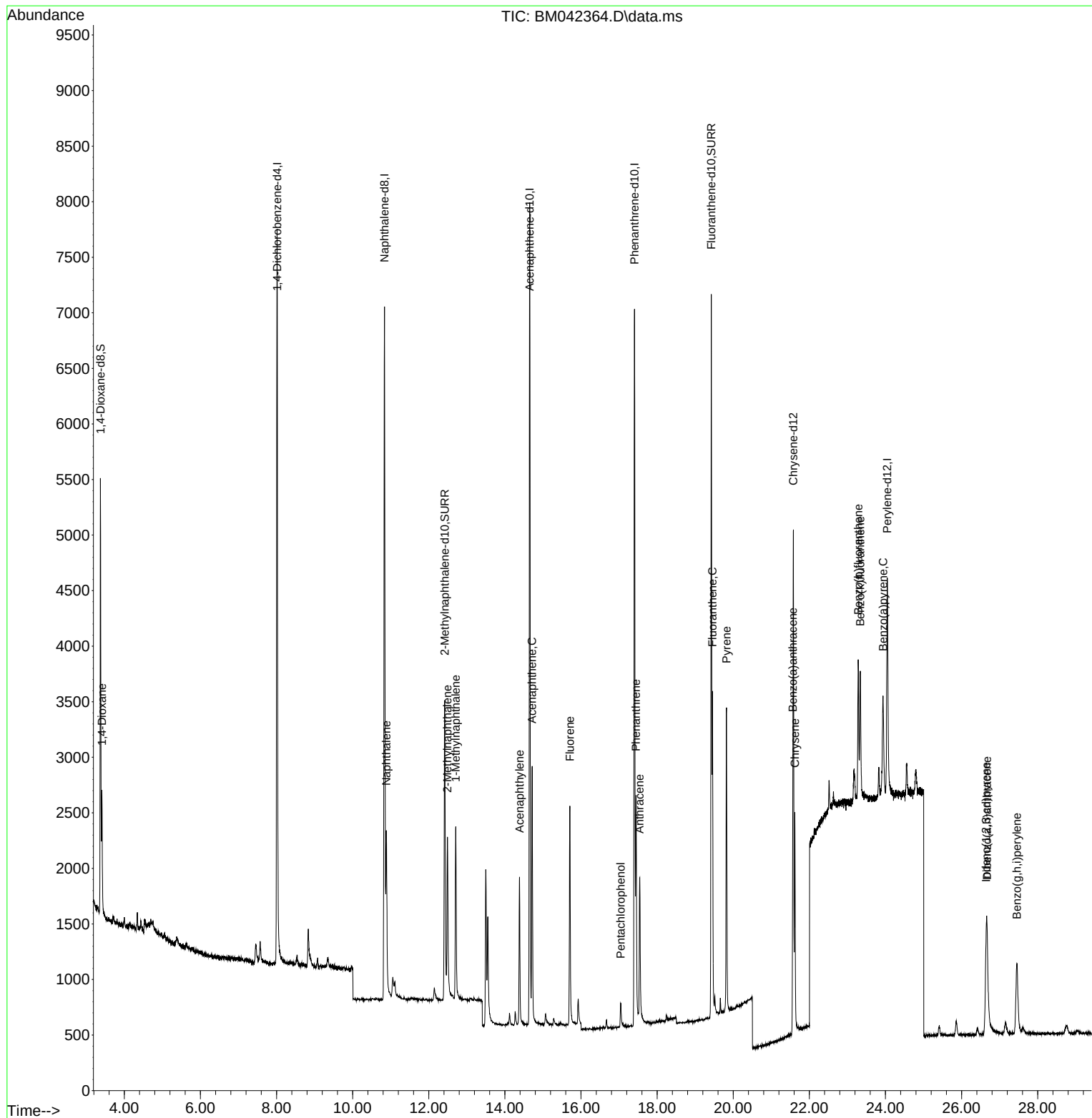
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
Data File : BM042364.D
Acq On : 19 Oct 2023 11:21
Operator : MA/JU
Sample : 02215-02
Misc : SFAM-SIM-MDL-WATER-02
ALS Vial : 5 Sample Multiplier: 1

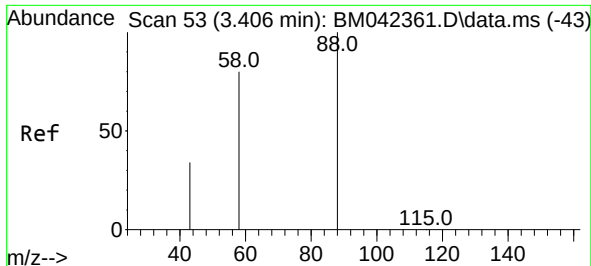
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04

Quant Time: Oct 19 11:52:22 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

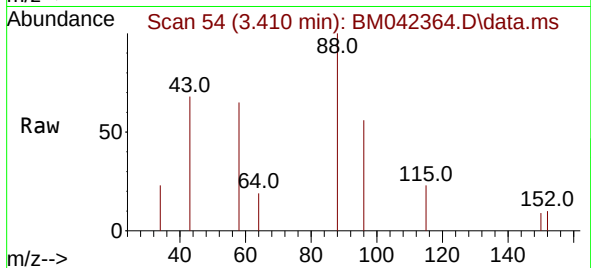
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023





#2
1,4-Dioxane
Concen: 0.107 ng/ul m
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

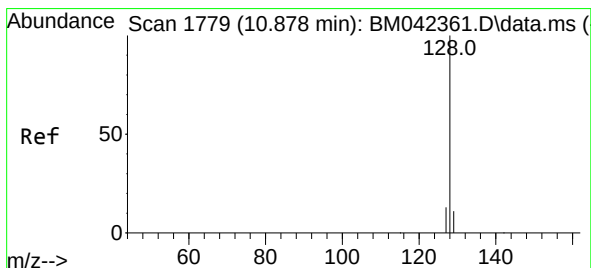
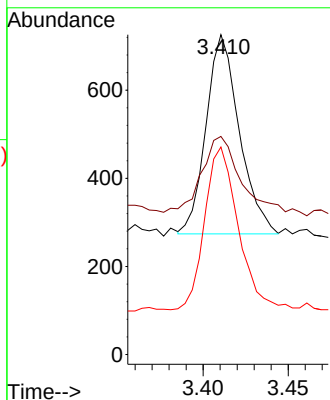
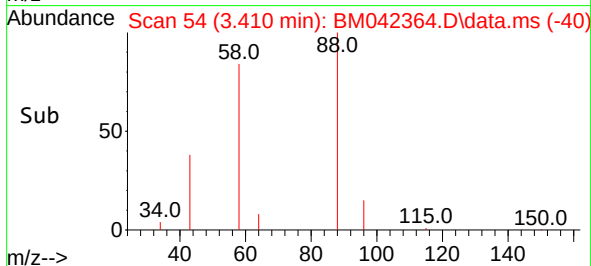
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 88 Resp: 615
Ion Ratio Lower Upper
88 100
43 68.2 41.0 61.6
58 64.9 60.9 91.3

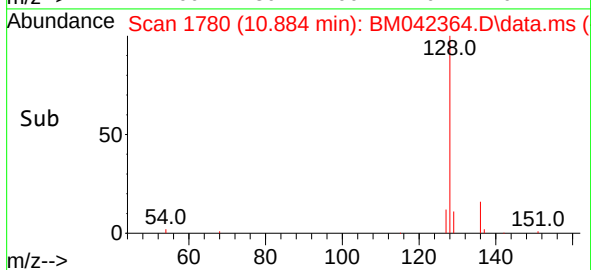
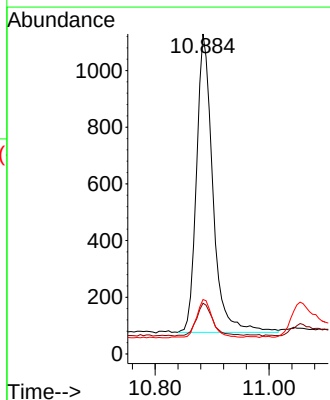
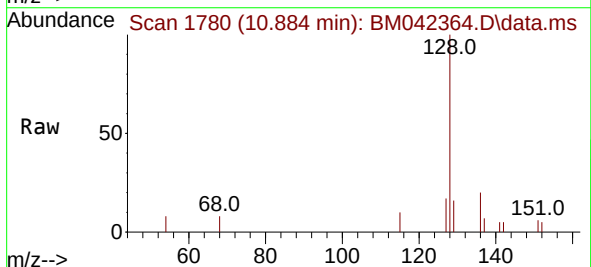
Manual Integrations
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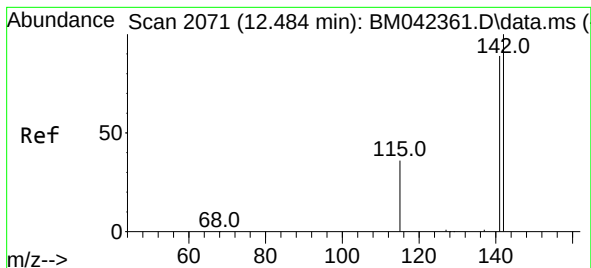
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.884 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

Tgt Ion:128 Resp: 2098
Ion Ratio Lower Upper
128 100
129 15.9 9.0 13.6#
127 17.0 10.6 16.0#





#7

2-Methylnaphthalene

Concen: 0.069 ng/ul

RT: 12.490 min Scan# 2071

Delta R.T. 0.000 min

Lab File: BM042364.D

Acq: 19 Oct 2023 11:21

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2023-04

Tgt Ion:142 Resp: 121

Ion Ratio Lower Upper

142 100

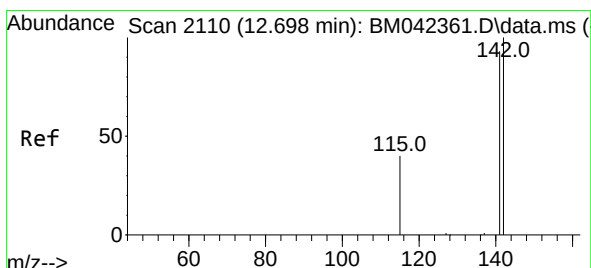
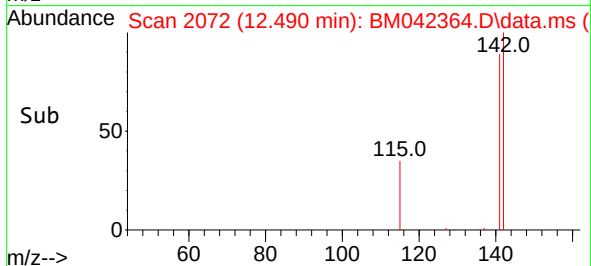
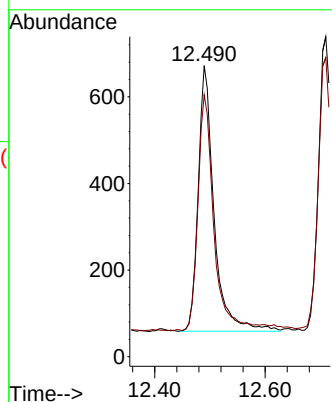
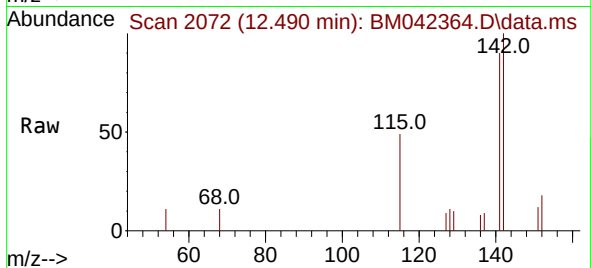
141 92.8 71.9 107.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#8

1-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.710 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BM042364.D

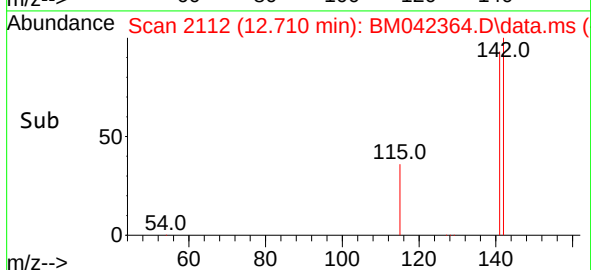
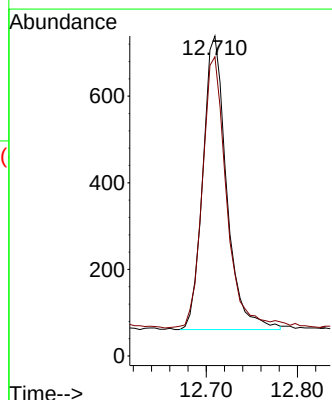
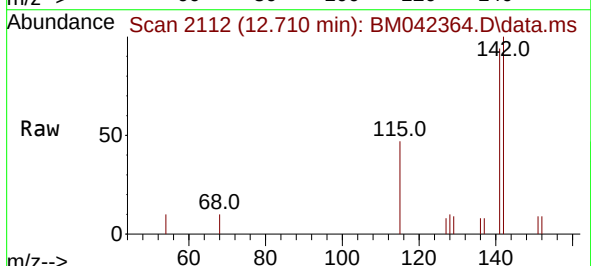
Acq: 19 Oct 2023 11:21

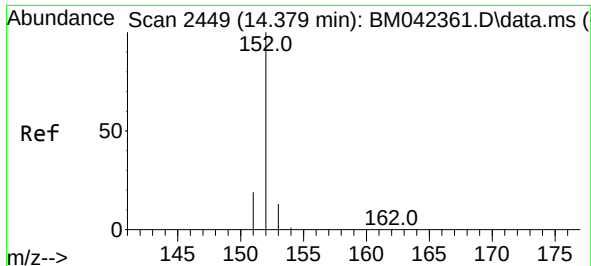
Tgt Ion:142 Resp: 1224

Ion Ratio Lower Upper

142 100

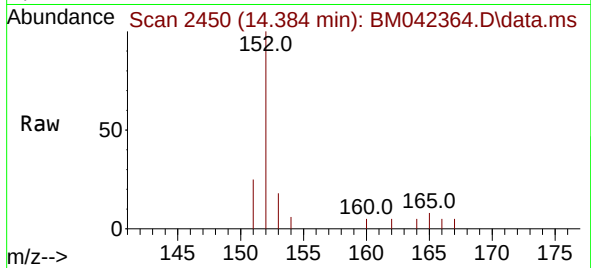
141 94.0 73.7 110.5





#10
Acenaphthylene
Concen: 0.072 ng/ul
RT: 14.384 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

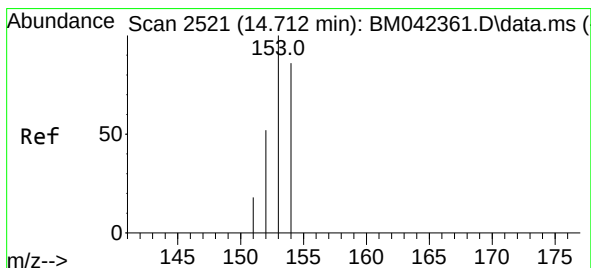
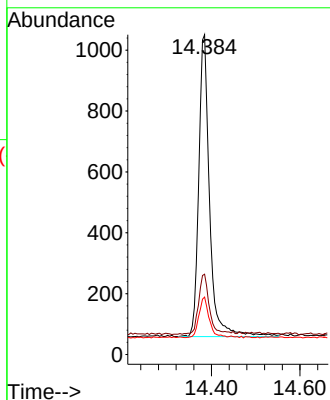
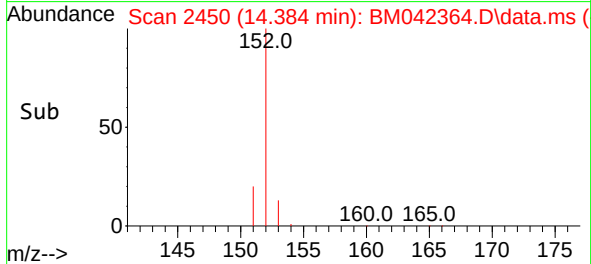
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:152 Resp: 1684
Ion Ratio Lower Upper
152 100
151 25.1 16.2 24.4
153 18.0 10.8 16.2

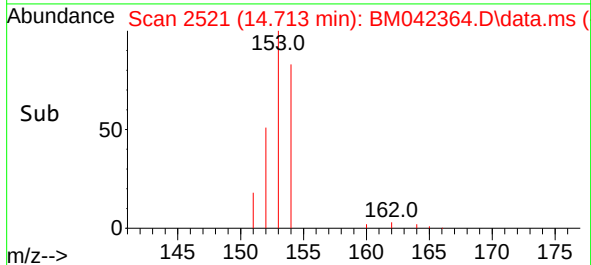
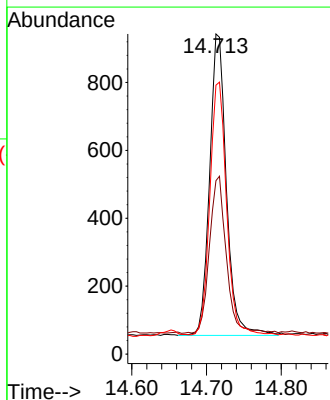
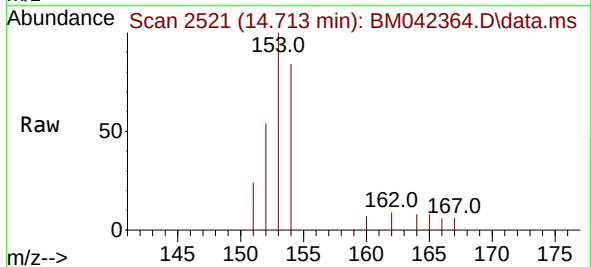
Manual Integrations
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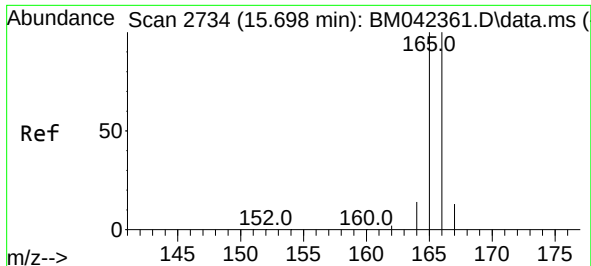
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#11
Acenaphthene
Concen: 0.072 ng/ul
RT: 14.713 min Scan# 2521
Delta R.T. -0.004 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

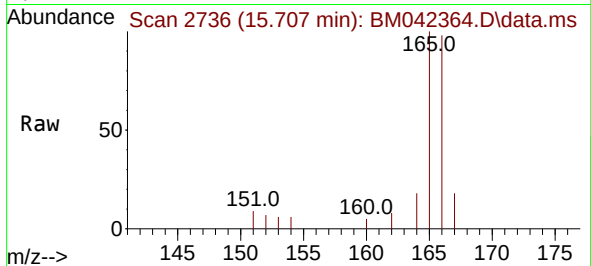
Tgt Ion:153 Resp: 1388
Ion Ratio Lower Upper
153 100
152 54.2 41.7 62.5
154 84.0 70.0 105.0





#12
Fluorene
Concen: 0.070 ng/ul
RT: 15.707 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

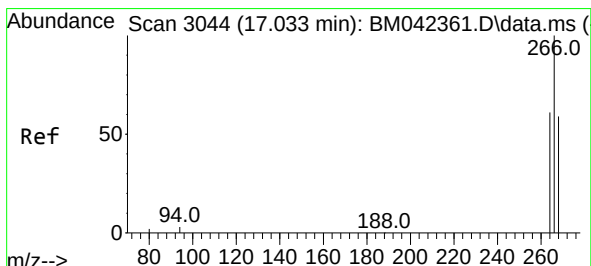
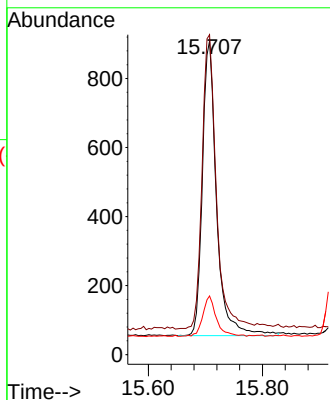
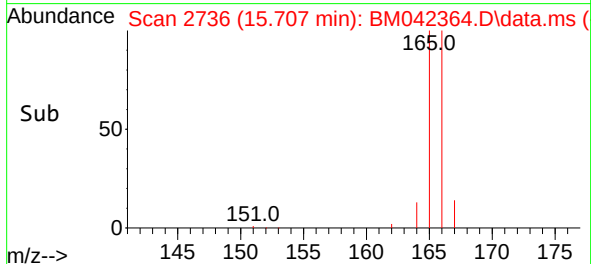
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:166 Resp: 146
Ion Ratio Lower Upper
166 100
165 102.0 80.3 120.5
167 18.7 11.4 17.2

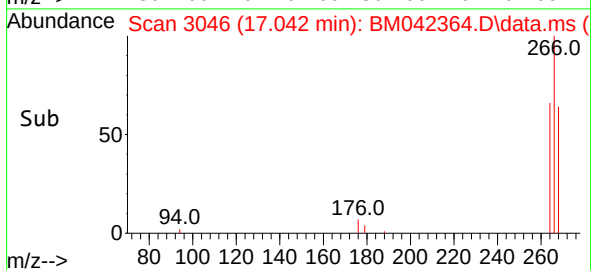
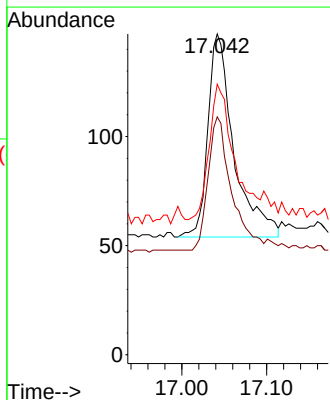
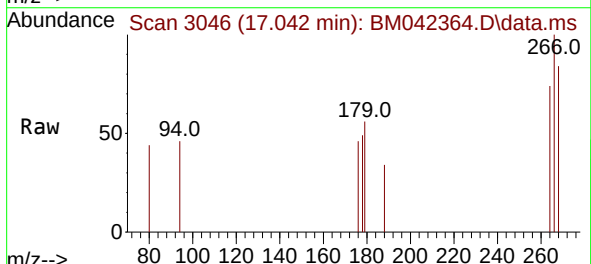
Manual Integrations
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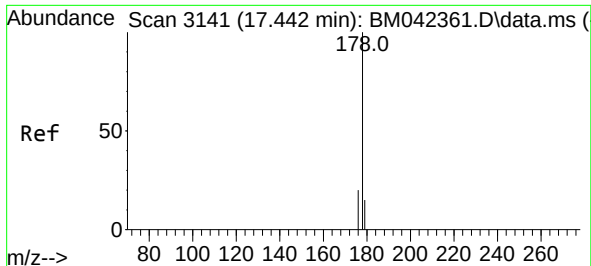
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#14
Pentachlorophenol
Concen: 0.069 ng/ul
RT: 17.042 min Scan# 3046
Delta R.T. 0.004 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

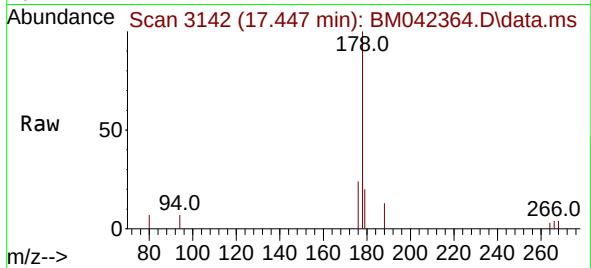
Tgt Ion:266 Resp: 198
Ion Ratio Lower Upper
266 100
264 61.1 49.8 74.8
268 70.2 51.9 77.9





#15
Phenanthrene
Concen: 0.071 ng/u1
RT: 17.447 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

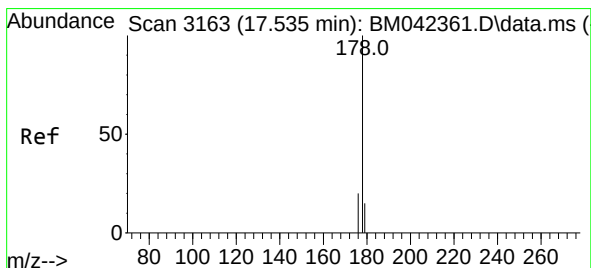
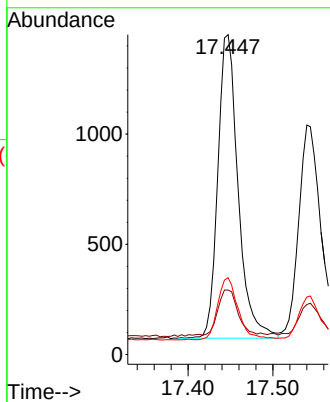
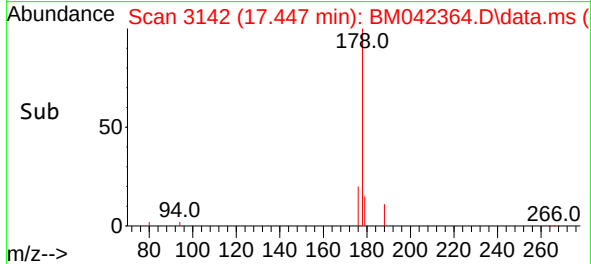
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:178 Resp: 229
Ion Ratio Lower Upper
178 100
179 20.2 12.6 19.0#
176 24.1 16.4 24.6

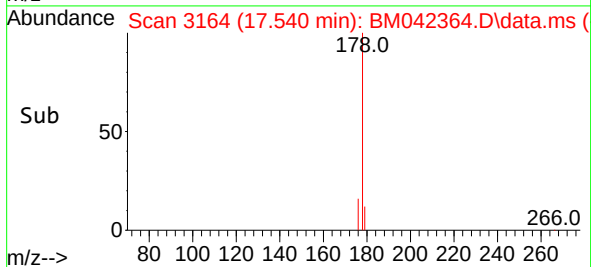
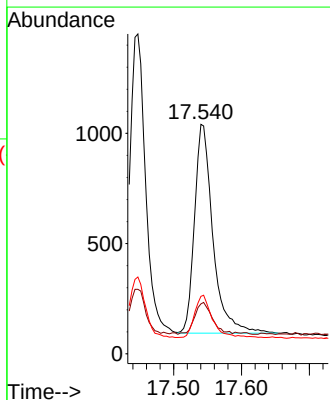
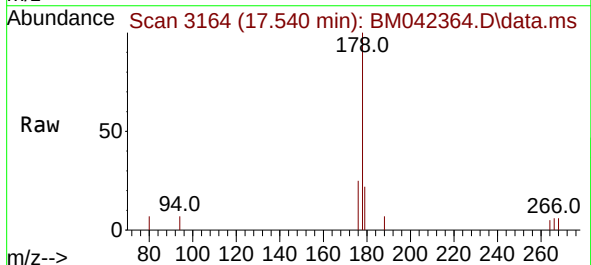
Manual Integrations
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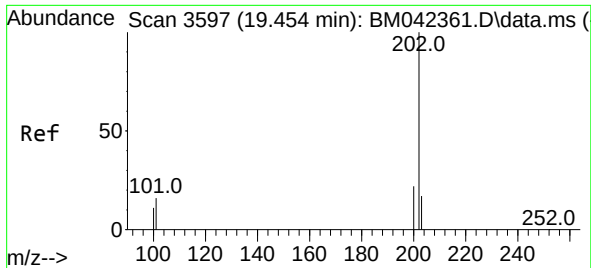
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#16
Anthracene
Concen: 0.065 ng/u1
RT: 17.540 min Scan# 3164
Delta R.T. 0.005 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

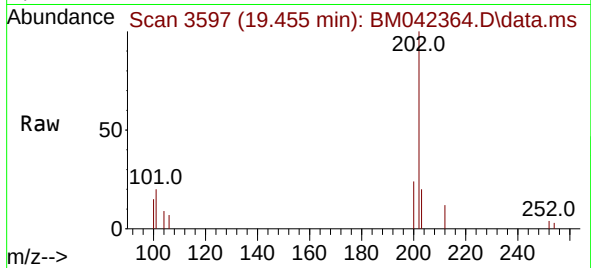
Tgt Ion:178 Resp: 1792
Ion Ratio Lower Upper
178 100
179 21.8 12.9 19.3#
176 25.1 16.4 24.6#





#19
Fluoranthene
Concen: 0.074 ng/ul
RT: 19.455 min Scan# 3597
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

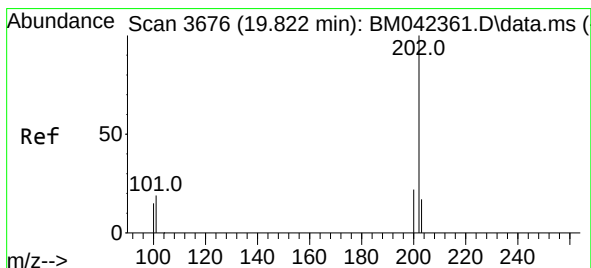
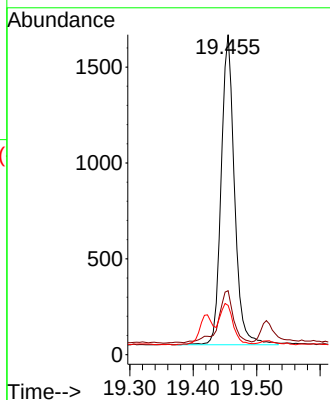
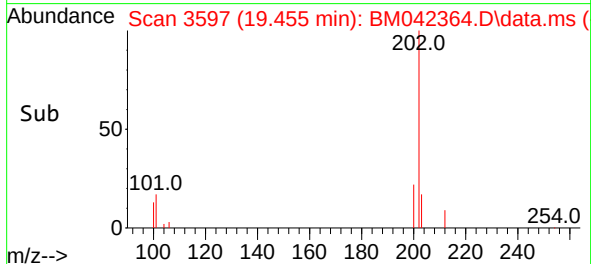
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:202 Resp: 235
Ion Ratio Lower Upper
202 100
101 20.0 14.0 21.0
100 15.4 10.4 15.6

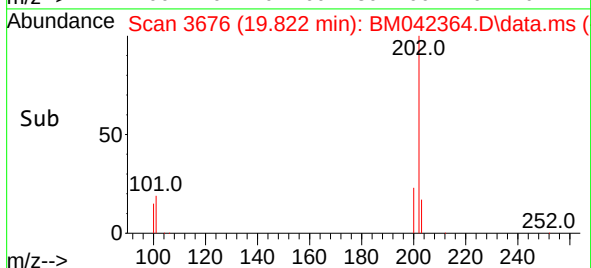
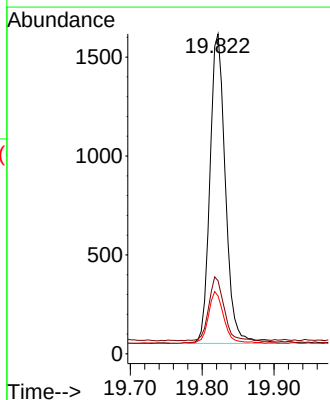
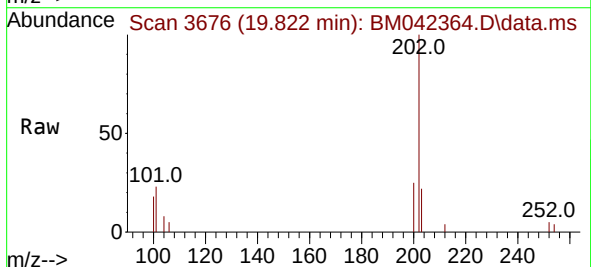
Manual Integrations
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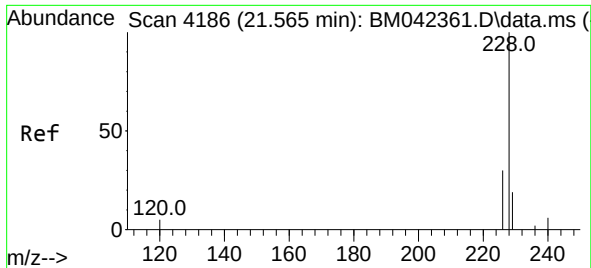
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#20
Pyrene
Concen: 0.071 ng/ul
RT: 19.822 min Scan# 3676
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

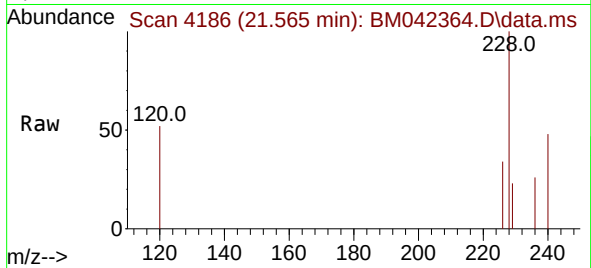
Tgt Ion:202 Resp: 2330
Ion Ratio Lower Upper
202 100
101 22.9 15.8 23.8
100 18.1 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.071 ng/ul
RT: 21.565 min Scan# 4186
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

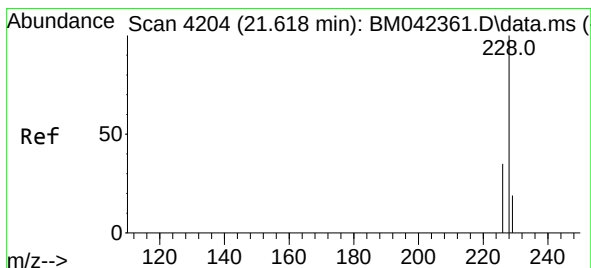
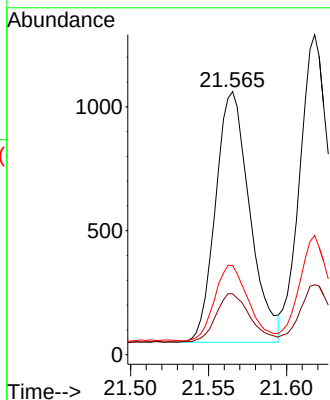
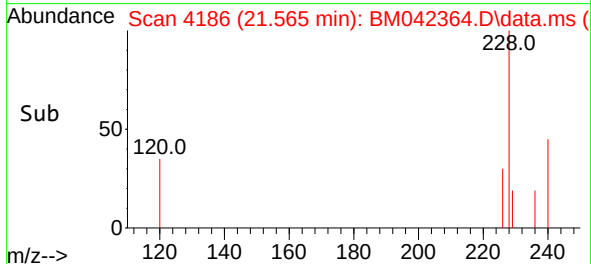
Instrument :
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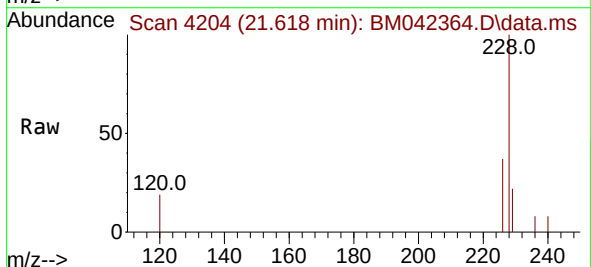
Tgt Ion:228 Resp: 154
Ion Ratio Lower Upper
228 100
229 23.1 15.6 23.4
226 33.9 24.7 37.1

Manual Integrations
APPROVED

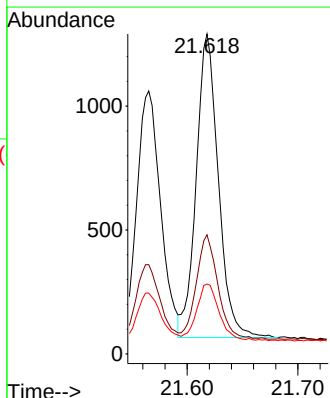
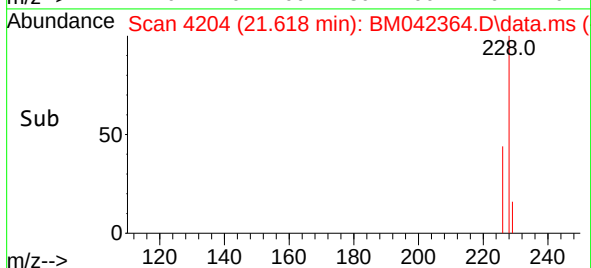
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

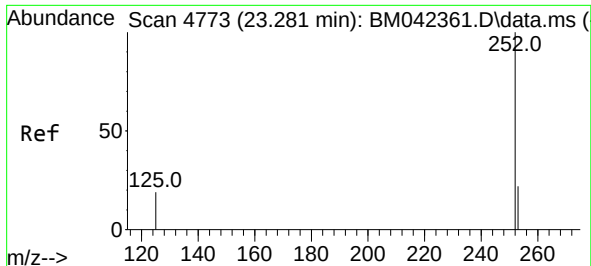


#22
Chrysene
Concen: 0.076 ng/ul
RT: 21.618 min Scan# 4204
Delta R.T. -0.003 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21



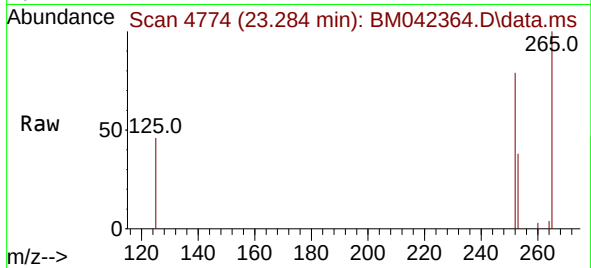
Tgt Ion:228 Resp: 1701
Ion Ratio Lower Upper
228 100
226 37.3 27.1 40.7
229 21.8 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.071 ng/ul
RT: 23.284 min Scan# 4773
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

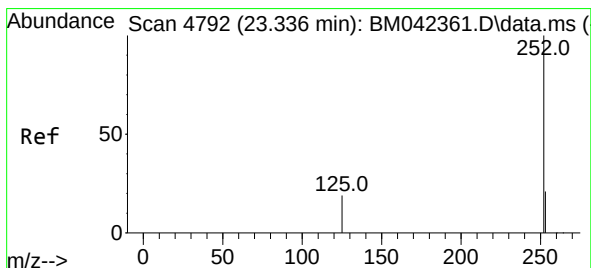
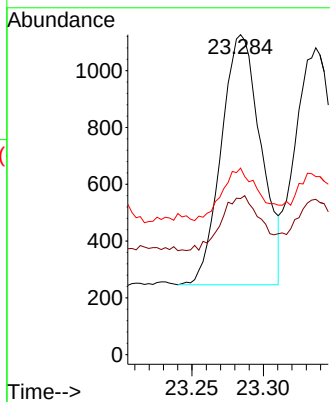
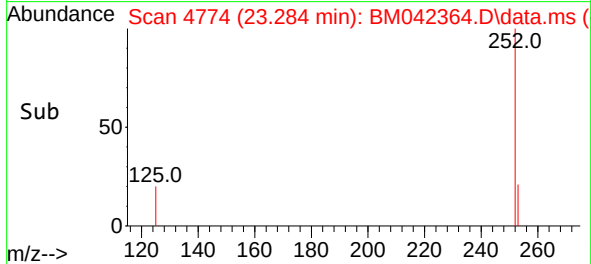
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:252 Resp: 1700
Ion Ratio Lower Upper
252 100
253 48.8 0.0 56.4
125 58.3 0.0 56.0

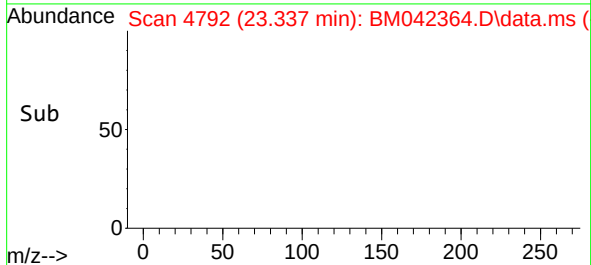
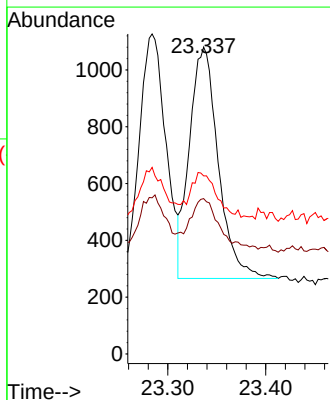
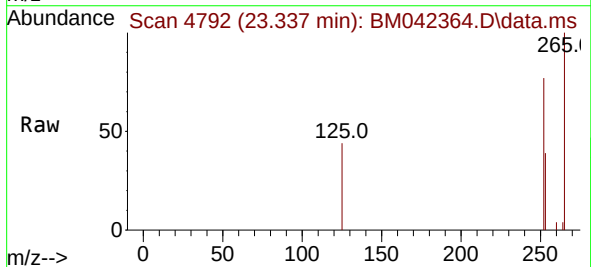
Manual Integrations
APPROVED

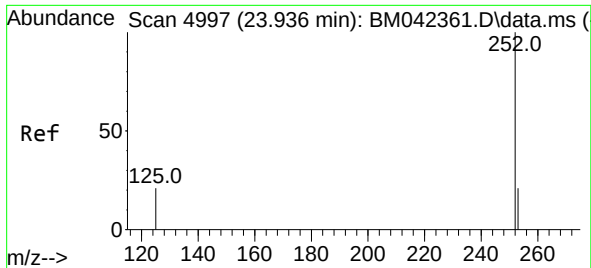
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#25
Benzo(k)fluoranthene
Concen: 0.073 ng/ul
RT: 23.337 min Scan# 4792
Delta R.T. 0.000 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

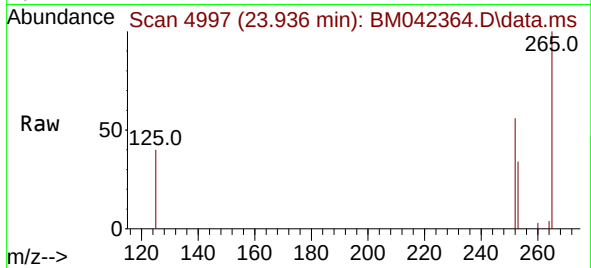
Tgt Ion:252 Resp: 1669
Ion Ratio Lower Upper
252 100
253 50.6 22.7 34.1#
125 58.0 23.0 34.4#





#26
Benzo(a)pyrene
Concen: 0.077 ng/ul
RT: 23.936 min Scan# 4997
Delta R.T. -0.003 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

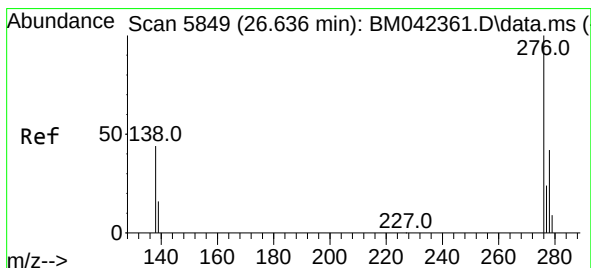
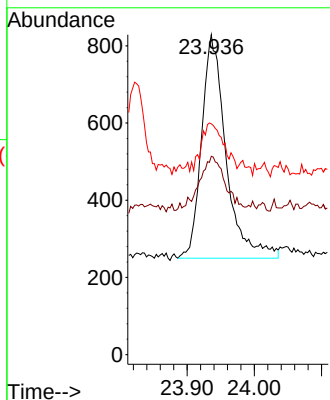
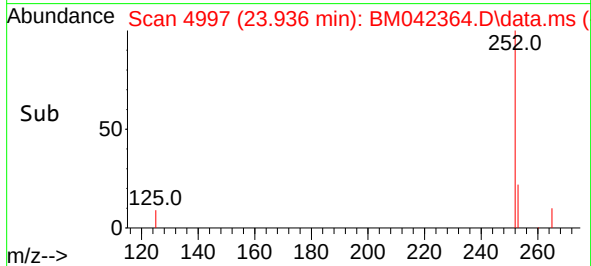
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:252 Resp: 1458
Ion Ratio Lower Upper
252 100
253 62.0 26.3 39.5
125 72.1 27.7 41.5

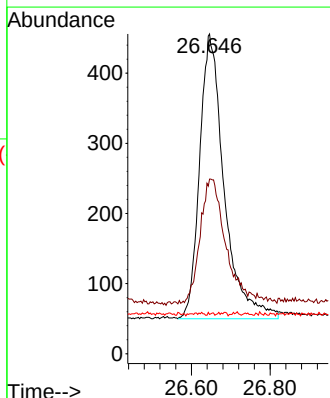
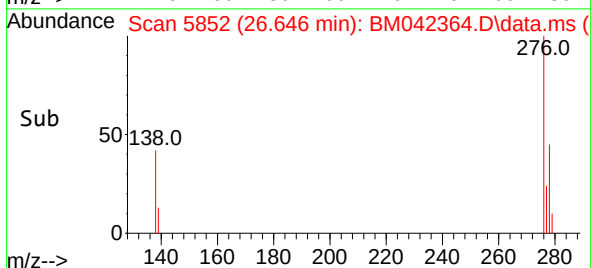
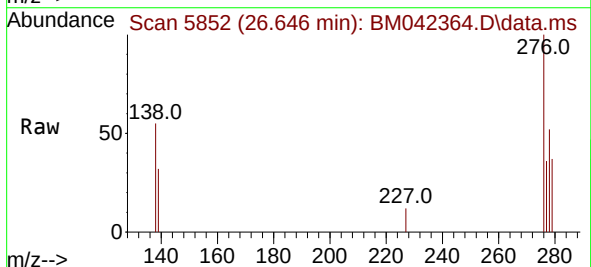
Manual Integrations
APPROVED

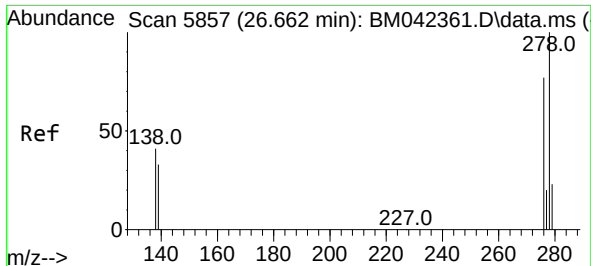
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.072 ng/ul
RT: 26.646 min Scan# 5852
Delta R.T. 0.007 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

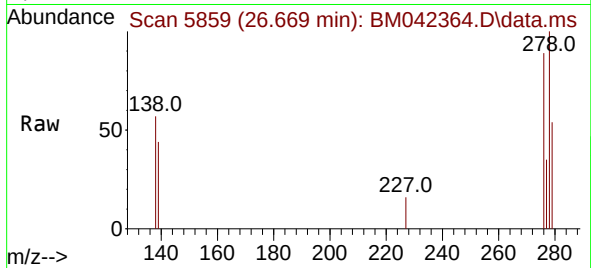
Tgt Ion:276 Resp: 1754
Ion Ratio Lower Upper
276 100
138 43.4 35.9 53.9
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.069 ng/ul
RT: 26.669 min Scan# 5859
Delta R.T. 0.007 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21

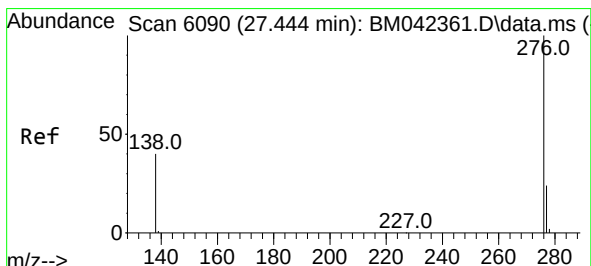
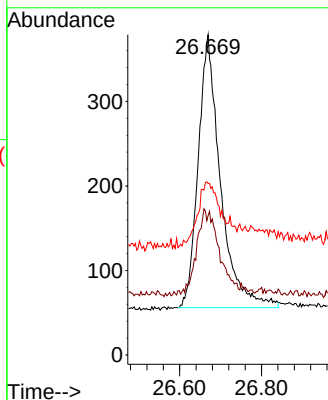
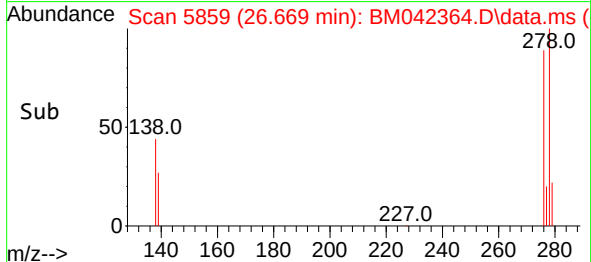
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-04



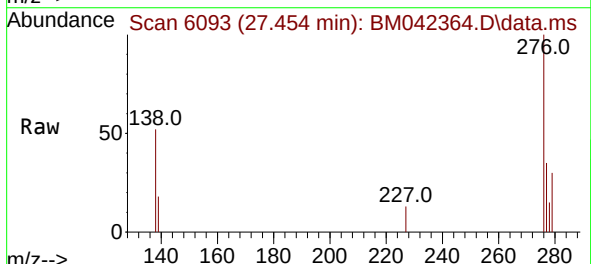
Tgt Ion:278 Resp: 1218
Ion Ratio Lower Upper
278 100
139 43.5 28.1 42.1#
279 53.6 22.9 34.3#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#29
Benzo(g,h,i)perylene
Concen: 0.073 ng/ul
RT: 27.454 min Scan# 6093
Delta R.T. 0.004 min
Lab File: BM042364.D
Acq: 19 Oct 2023 11:21



Tgt Ion:276 Resp: 1546
Ion Ratio Lower Upper
276 100
138 51.7 33.3 49.9#
277 34.7 19.9 29.9#

