

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
 Data File : BM042372.D
 Acq On : 19 Oct 2023 16:15
 Operator : MA/JU
 Sample : 04696-01
 Misc : SFAM-SIM-MDL-WATER-01
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 16:47:09 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	3534	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9371	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3847	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7218	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	3025	0.400	ng/ul	0.00
23) Perylene-d12	24.053	264	3204	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2136	0.409	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4355	0.378	ng/ul	0.00
18) Fluoranthene-d10	19.427	212	5433	0.397	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.410	88	565m	0.102	ng/ul	
5) Naphthalene	10.889	128	2042	0.068	ng/ul#	89
7) 2-Methylnaphthalene	12.495	142	1136	0.065	ng/ul	94
8) 1-Methylnaphthalene	12.709	142	1189	0.067	ng/ul	98
10) Acenaphthylene	14.384	152	1590	0.069	ng/ul#	89
11) Acenaphthene	14.717	153	1320	0.070	ng/ul	96
12) Fluorene	15.707	166	1389	0.067	ng/ul#	98
14) Pentachlorophenol	17.046	266	198	0.072	ng/ul	98
15) Phenanthrene	17.447	178	2154	0.069	ng/ul#	90
16) Anthracene	17.544	178	1658	0.062	ng/ul#	88
19) Fluoranthene	19.455	202	2181	0.066	ng/ul#	93
20) Pyrene	19.822	202	2285	0.067	ng/ul	95
21) Benzo(a)anthracene	21.565	228	1523	0.068	ng/ul	95
22) Chrysene	21.621	228	1713	0.074	ng/ul	96
24) Benzo(b)fluoranthene	23.287	252	1763	0.068	ng/ul	59
25) Benzo(k)fluoranthene	23.339	252	1653	0.067	ng/ul#	55
26) Benzo(a)pyrene	23.942	252	1517	0.074	ng/ul#	45
27) Indeno(1,2,3-cd)pyrene	26.649	276	1963	0.074	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.669	278	1428	0.075	ng/ul#	71
29) Benzo(g,h,i)perylene	27.457	276	1779	0.078	ng/ul#	87

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

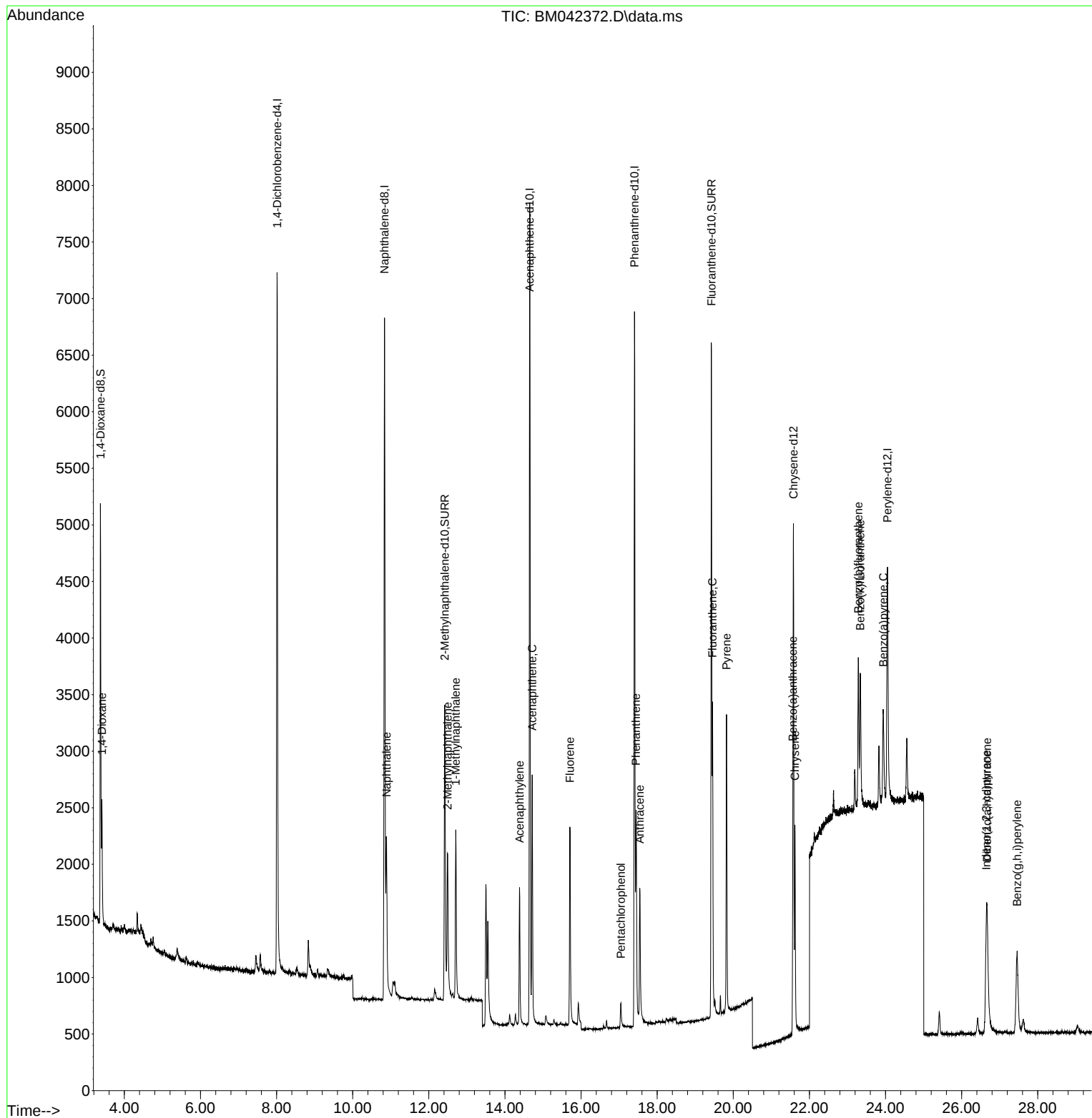
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
Data File : BM042372.D
Acq On : 19 Oct 2023 16:15
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Sample : 04696-01
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ALS Vial : 13 Sample Multiplier: 1

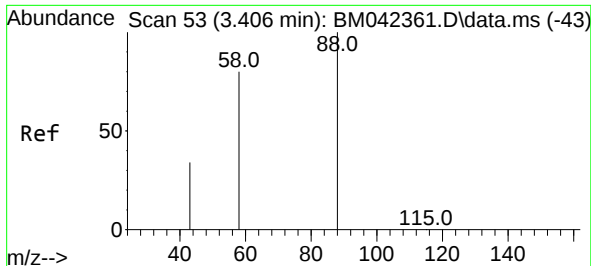
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07

Quant Time: Oct 19 16:47:09 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

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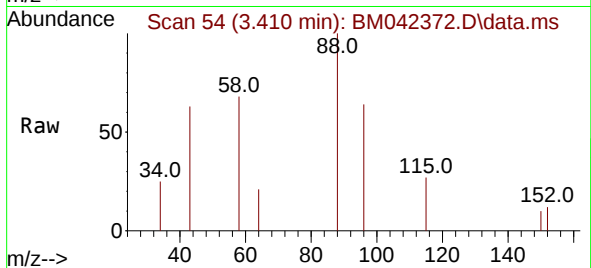
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023





#2
1,4-Dioxane
Concen: 0.102 ng/ul m
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

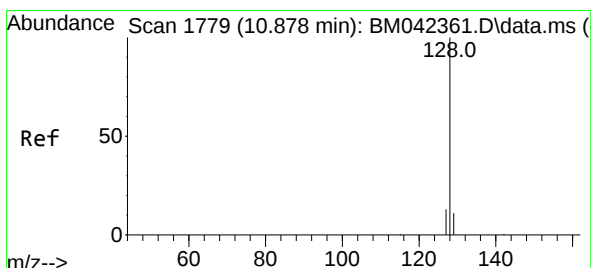
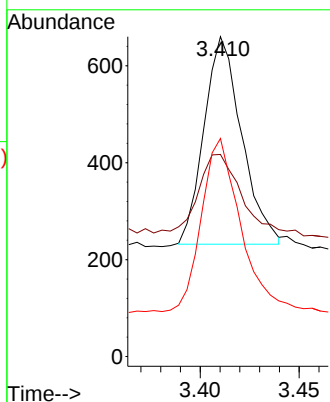
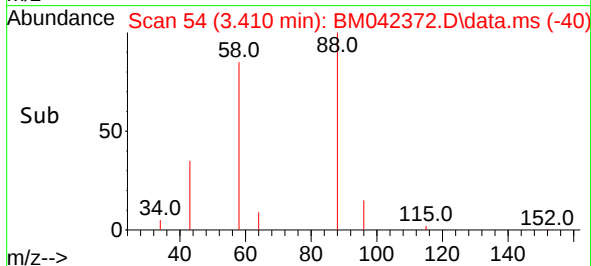
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 88 Resp: 568
Ion Ratio Lower Upper
88 100
43 63.2 41.0 61.6
58 68.2 60.9 91.3

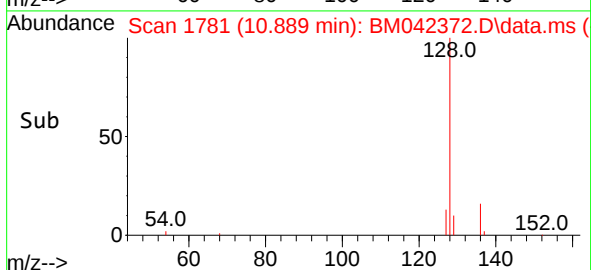
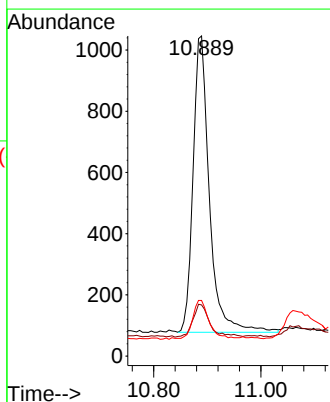
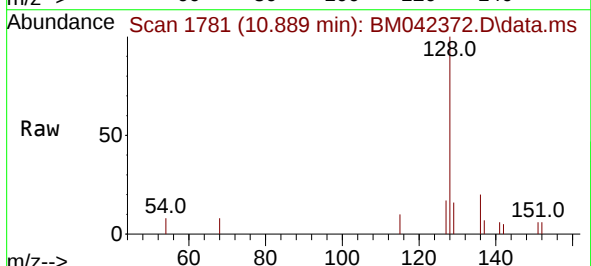
Manual Integrations
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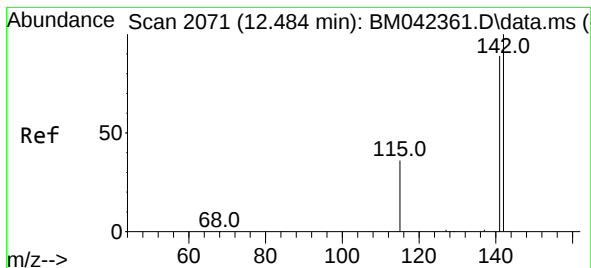
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.889 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

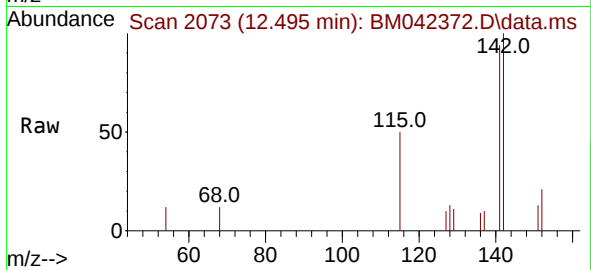
Tgt Ion:128 Resp: 2042
Ion Ratio Lower Upper
128 100
129 16.0 9.0 13.6#
127 17.4 10.6 16.0#





#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.495 min Scan# 2073
Delta R.T. 0.006 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

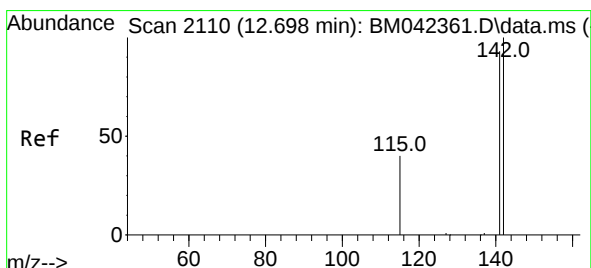
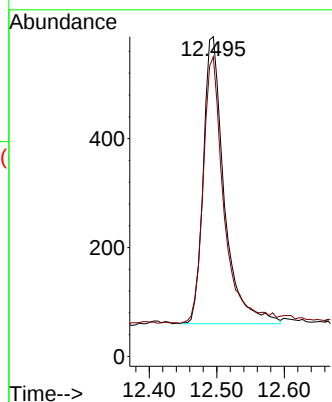
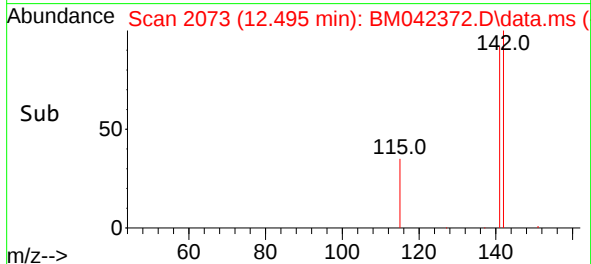
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



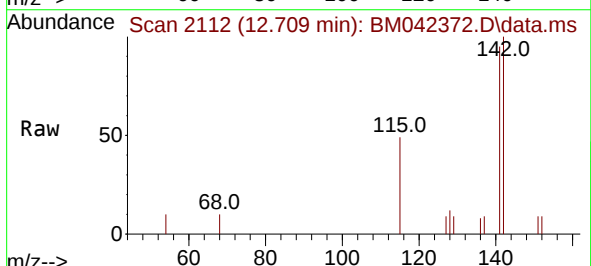
Tgt Ion:142 Resp: 1130
Ion Ratio Lower Upper
142 100
141 95.9 71.9 107.9

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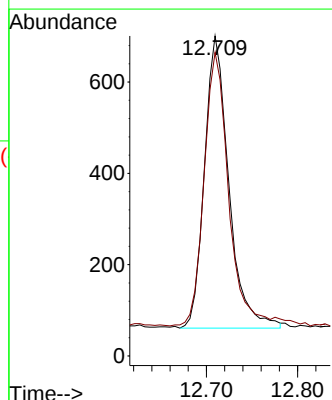
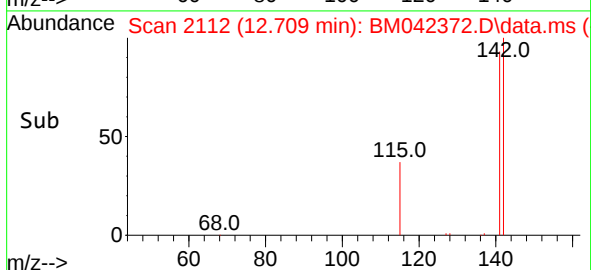
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

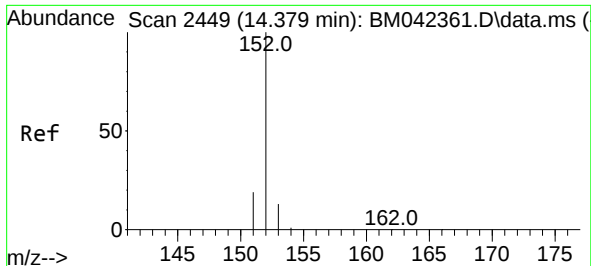


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.709 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15



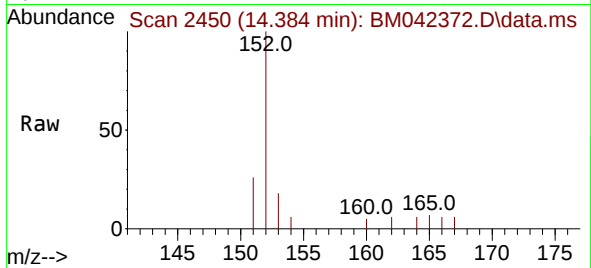
Tgt Ion:142 Resp: 1189
Ion Ratio Lower Upper
142 100
141 94.0 73.7 110.5





#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.384 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

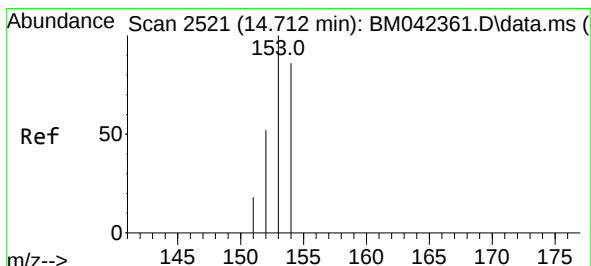
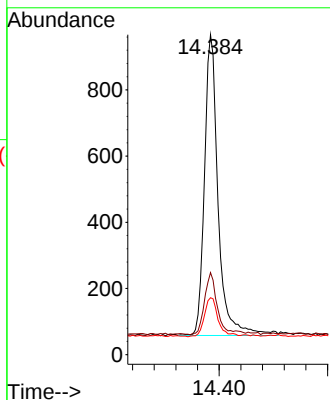
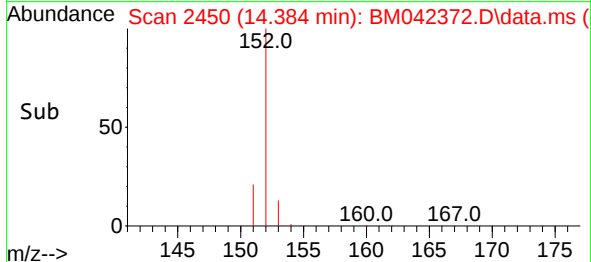
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:152 Resp: 1590
Ion Ratio Lower Upper
152 100
151 25.6 16.2 24.4
153 17.8 10.8 16.2

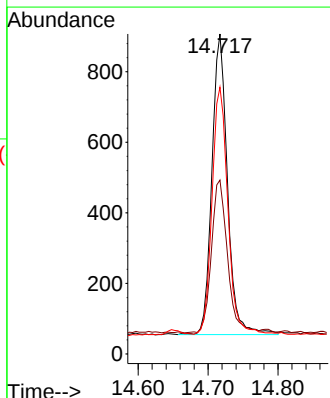
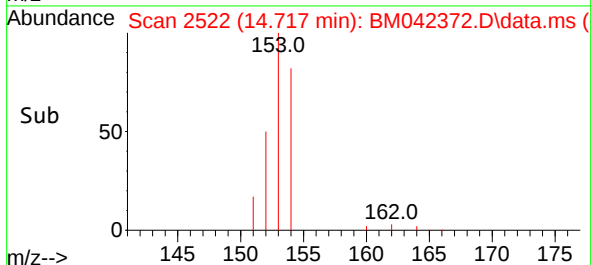
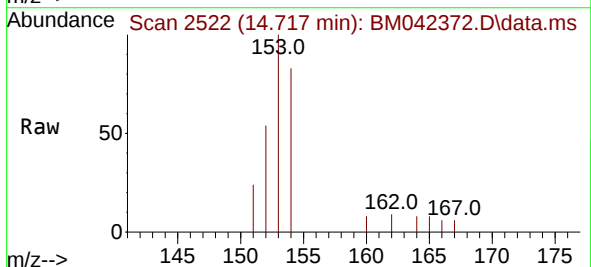
Manual Integrations
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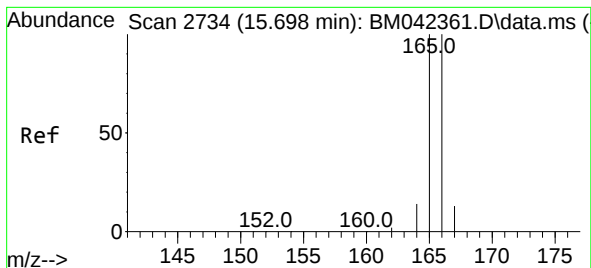
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

Tgt Ion:153 Resp: 1320
Ion Ratio Lower Upper
153 100
152 54.4 41.7 62.5
154 83.4 70.0 105.0





#12

Fluorene

Concen: 0.067 ng/ul

RT: 15.707 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM042372.D

Acq: 19 Oct 2023 16:15

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT4-2023-07

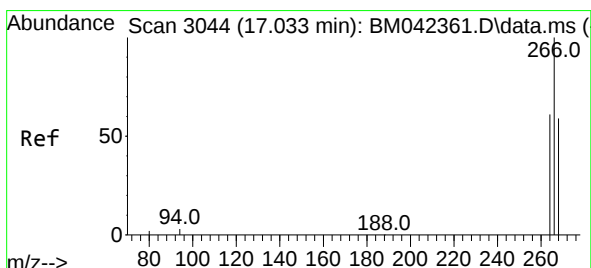
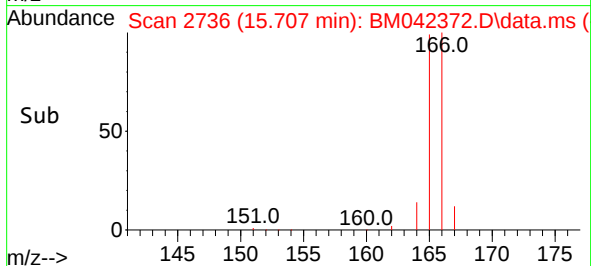
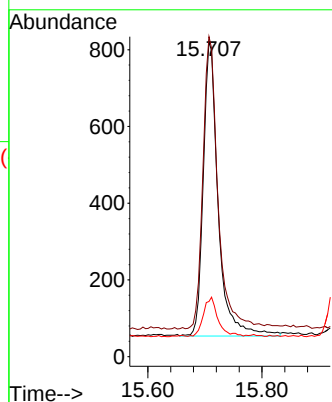
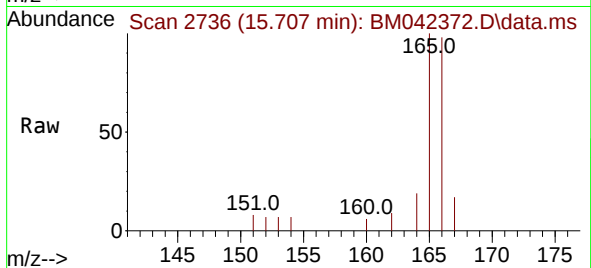
Tgt Ion:	166	Resp:	138
Ion Ratio	Lower	Upper	
166	100		
165	101.6	80.3	120.5
167	17.5	11.4	17.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#14

Pentachlorophenol

Concen: 0.072 ng/ul

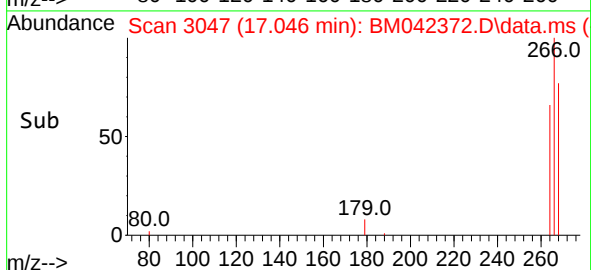
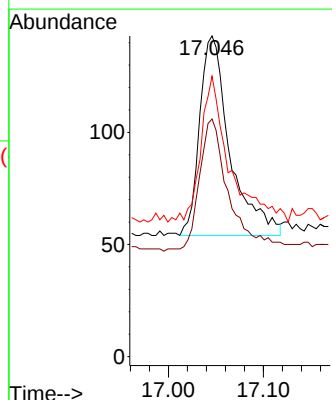
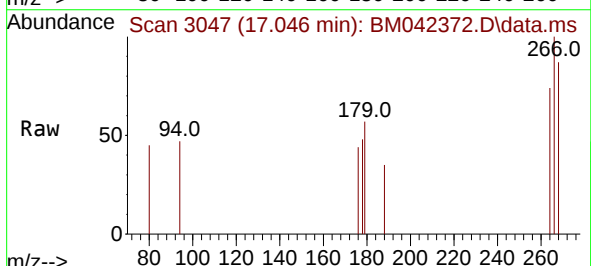
RT: 17.046 min Scan# 3047

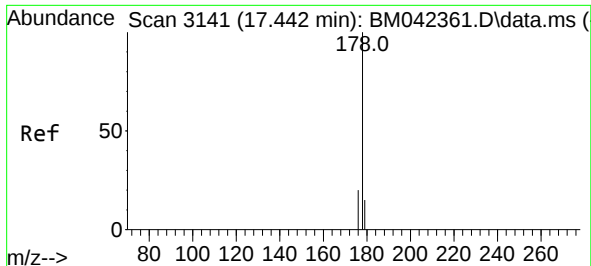
Delta R.T. 0.008 min

Lab File: BM042372.D

Acq: 19 Oct 2023 16:15

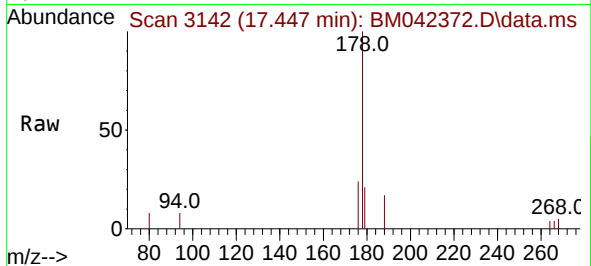
Tgt Ion:	266	Resp:	198
Ion Ratio	Lower	Upper	
266	100		
264	65.2	49.8	74.8
268	64.6	51.9	77.9





#15
Phenanthrene
Concen: 0.069 ng/u1
RT: 17.447 min Scan# 3141
Delta R.T. 0.000 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

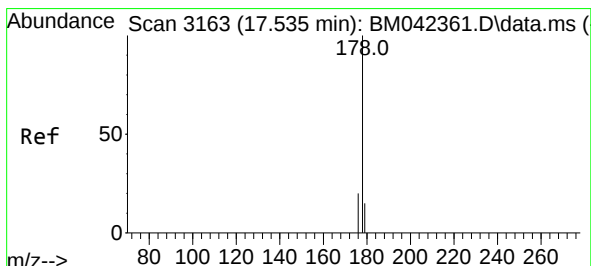
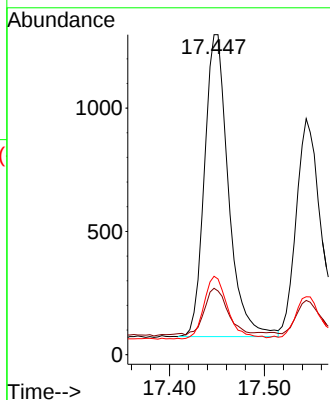
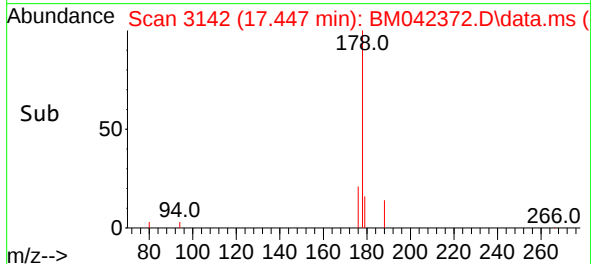
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:178 Resp: 2154
Ion Ratio Lower Upper
178 100
179 20.7 12.6 19.0#
176 24.5 16.4 24.6

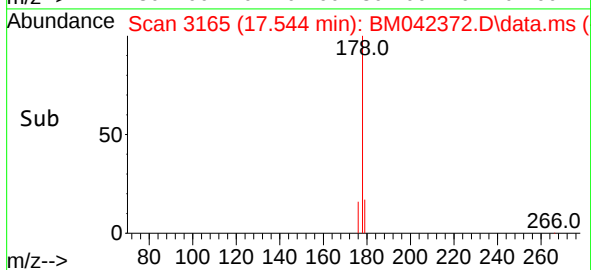
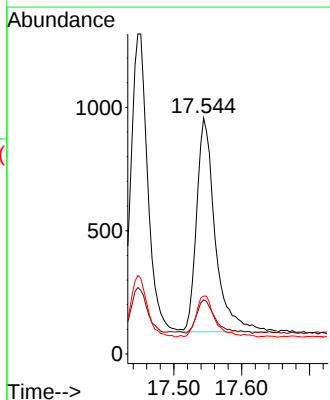
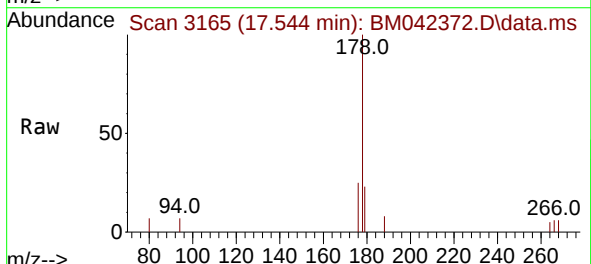
Manual Integrations
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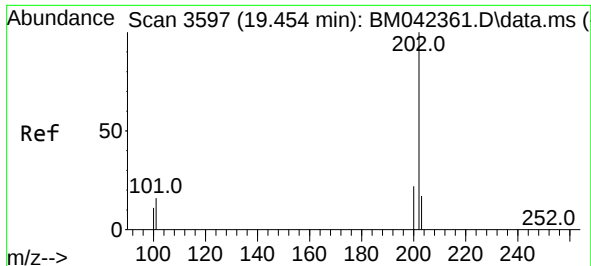
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#16
Anthracene
Concen: 0.062 ng/u1
RT: 17.544 min Scan# 3165
Delta R.T. 0.008 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

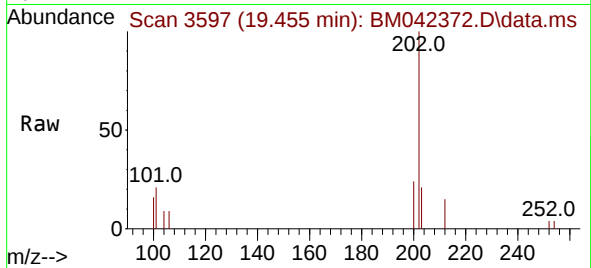
Tgt Ion:178 Resp: 1658
Ion Ratio Lower Upper
178 100
179 23.0 12.9 19.3#
176 24.6 16.4 24.6





#19
Fluoranthene
Concen: 0.066 ng/u1
RT: 19.455 min Scan# 3597
Delta R.T. 0.000 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

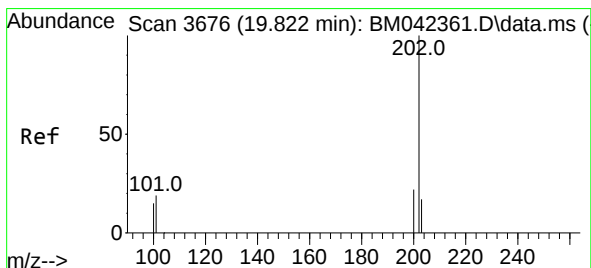
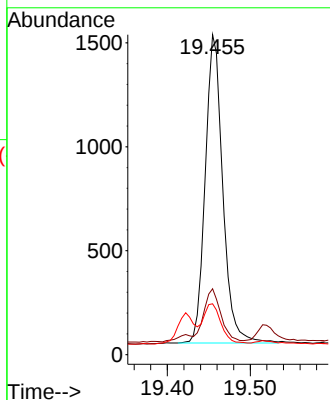
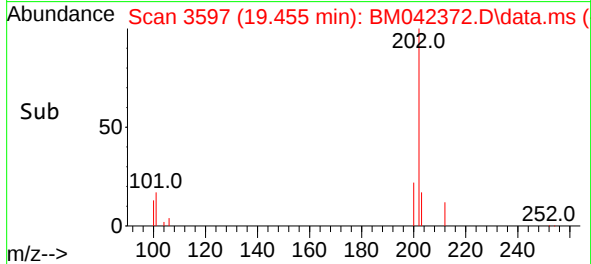
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:202 Resp: 2185
Ion Ratio Lower Upper
202 100
101 20.6 14.0 21.0
100 15.9 10.4 15.6

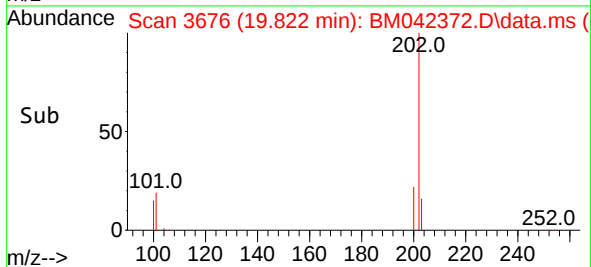
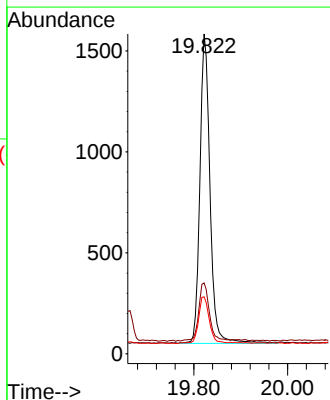
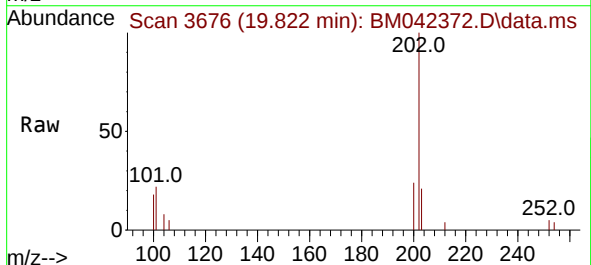
Manual Integrations
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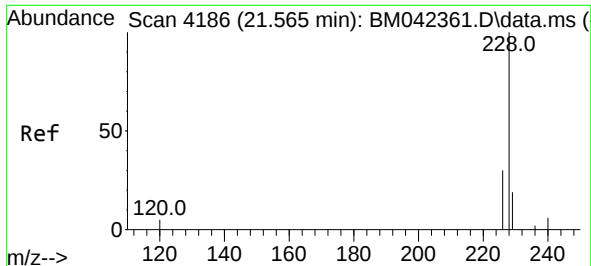
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#20
Pyrene
Concen: 0.067 ng/u1
RT: 19.822 min Scan# 3676
Delta R.T. 0.000 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

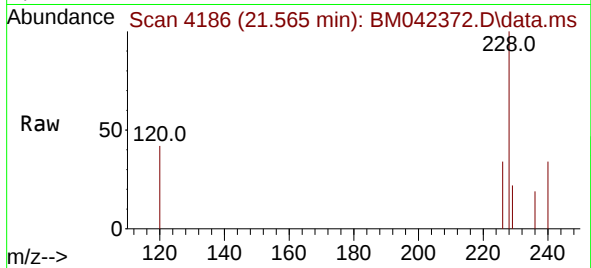
Tgt Ion:202 Resp: 2285
Ion Ratio Lower Upper
202 100
101 22.2 15.8 23.8
100 17.8 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.068 ng/u1
RT: 21.565 min Scan# 4186
Delta R.T. 0.000 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

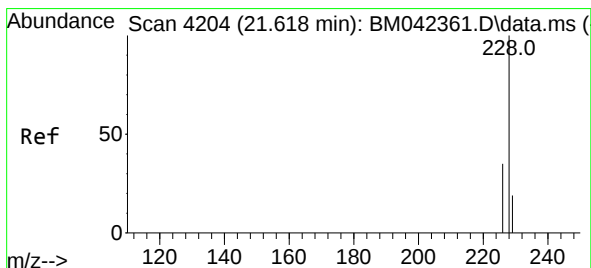
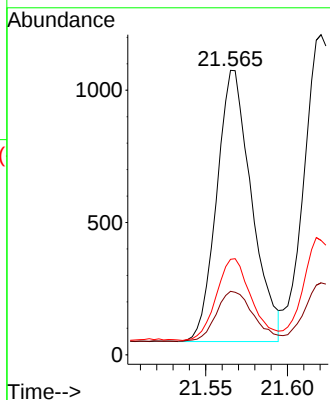
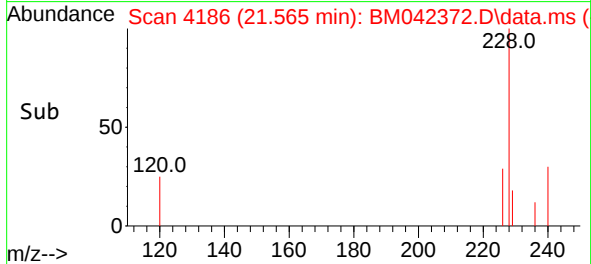
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:228 Resp: 1523
Ion Ratio Lower Upper
228 100
229 22.3 15.6 23.4
226 33.6 24.7 37.1

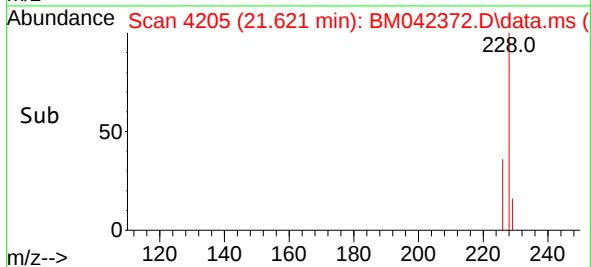
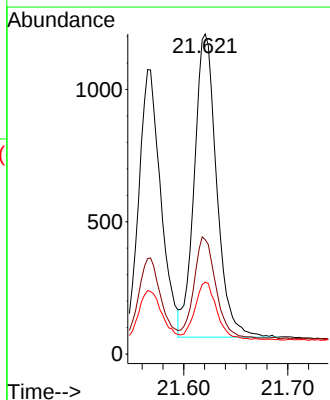
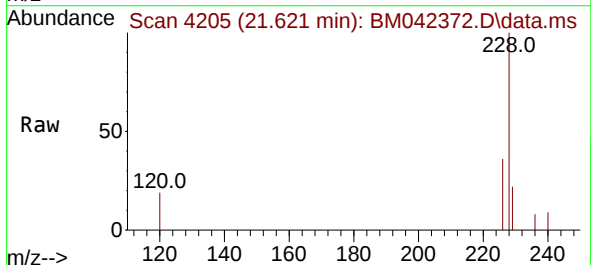
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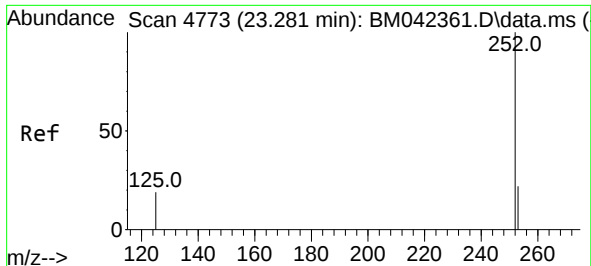
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#22
Chrysene
Concen: 0.074 ng/u1
RT: 21.621 min Scan# 4205
Delta R.T. 0.000 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

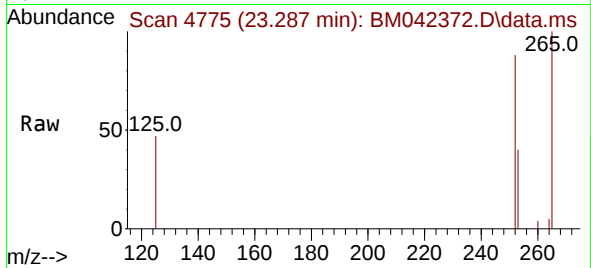
Tgt Ion:228 Resp: 1713
Ion Ratio Lower Upper
228 100
226 35.7 27.1 40.7
229 22.5 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.068 ng/ul
RT: 23.287 min Scan# 4773
Delta R.T. 0.003 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

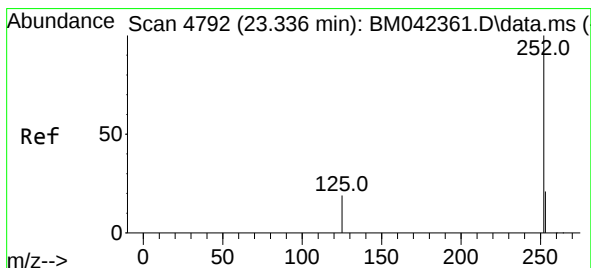
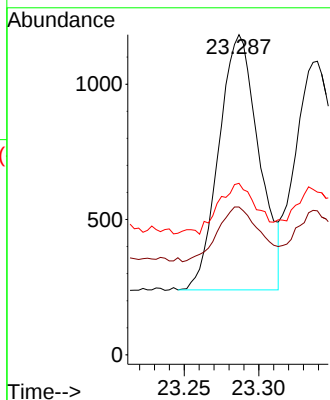
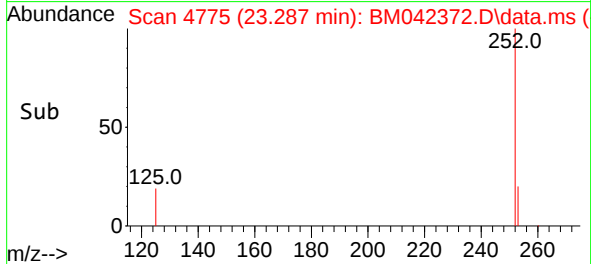
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:252 Resp: 1763
Ion Ratio Lower Upper
252 100
253 46.2 0.0 56.4
125 53.6 0.0 56.0

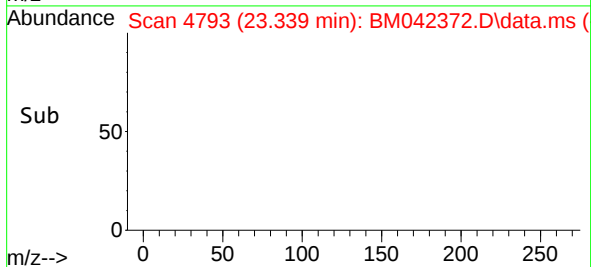
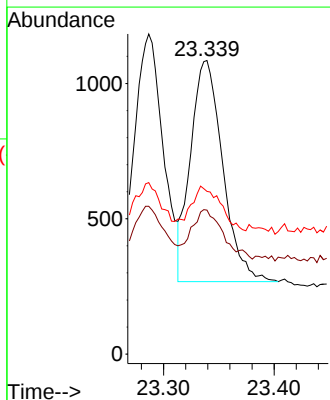
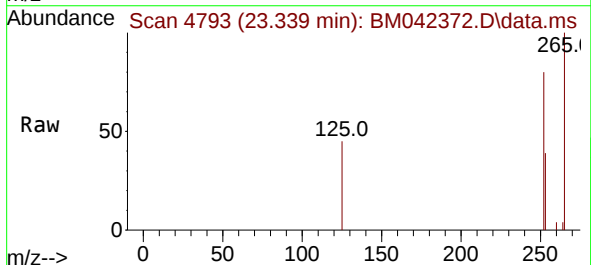
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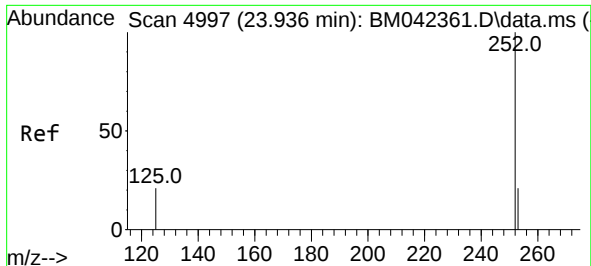
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#25
Benzo(k)fluoranthene
Concen: 0.067 ng/ul
RT: 23.339 min Scan# 4793
Delta R.T. 0.003 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

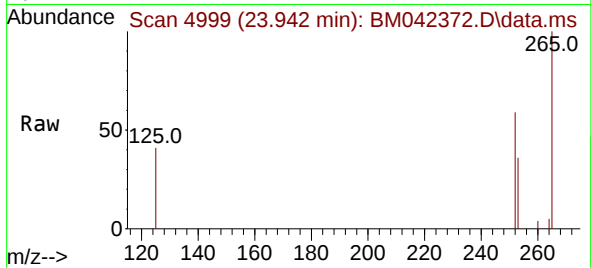
Tgt Ion:252 Resp: 1653
Ion Ratio Lower Upper
252 100
253 49.0 22.7 34.1#
125 55.4 23.0 34.4#





#26
Benzo(a)pyrene
Concen: 0.074 ng/ul
RT: 23.942 min Scan# 4999
Delta R.T. 0.003 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

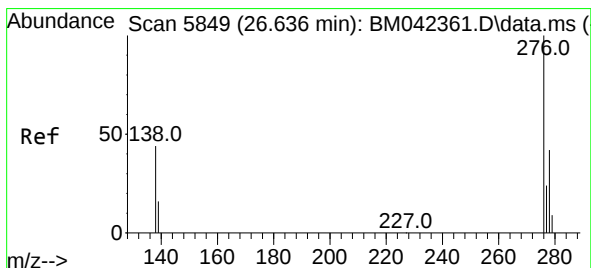
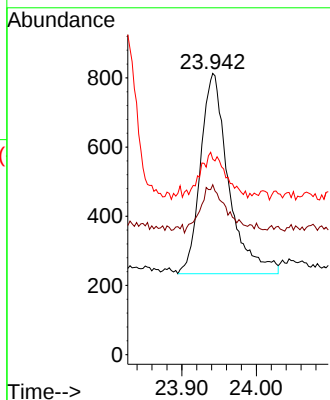
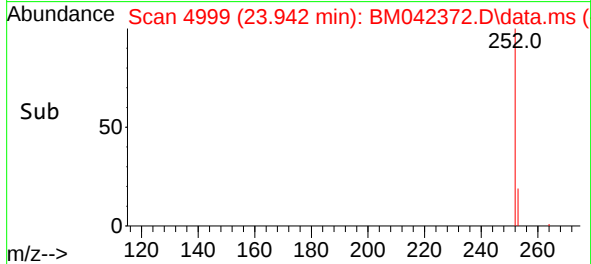
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:252 Resp: 151
Ion Ratio Lower Upper
252 100
253 60.4 26.3 39.5
125 69.5 27.7 41.5

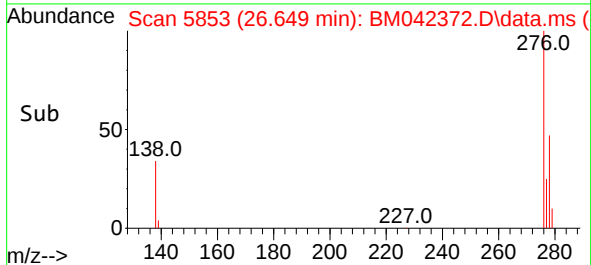
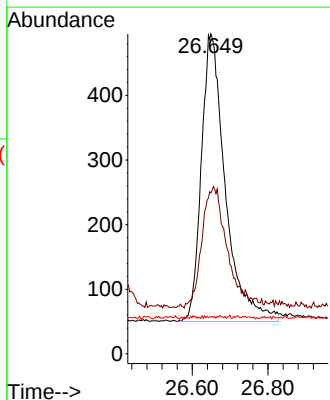
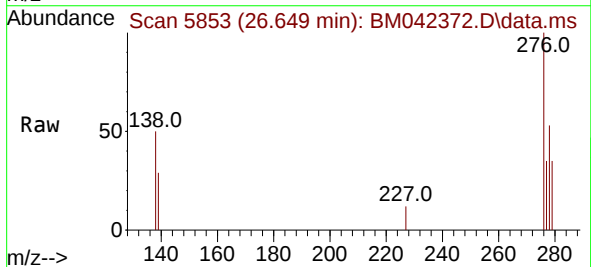
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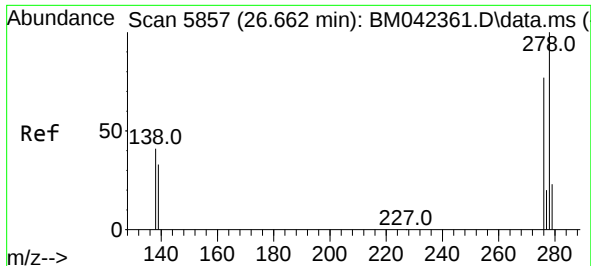
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.074 ng/ul
RT: 26.649 min Scan# 5853
Delta R.T. 0.010 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

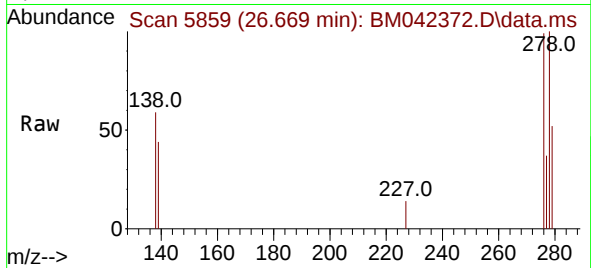
Tgt Ion:276 Resp: 1963
Ion Ratio Lower Upper
276 100
138 44.6 35.9 53.9
227 0.0 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.075 ng/ul
RT: 26.669 min Scan# 5857
Delta R.T. 0.007 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

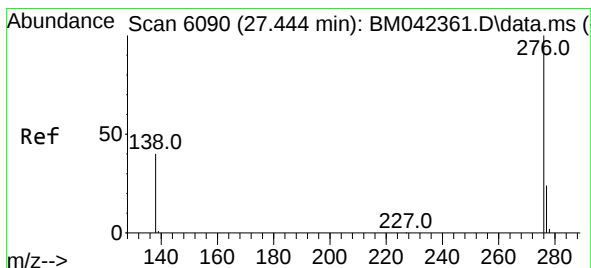
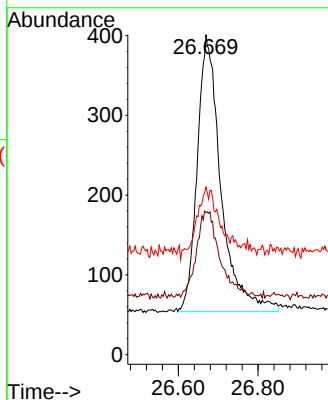
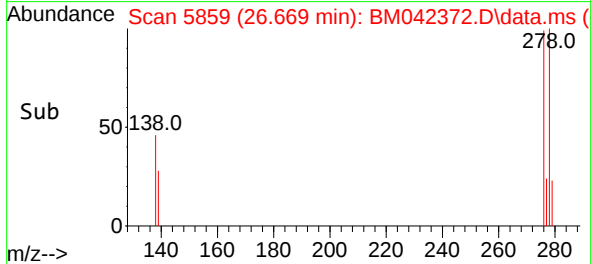
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:278 Resp: 1428
Ion Ratio Lower Upper
278 100
139 44.4 28.1 42.1
279 52.4 22.9 34.3

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



#29
Benzo(g,h,i)perylene
Concen: 0.078 ng/ul
RT: 27.457 min Scan# 6094
Delta R.T. 0.007 min
Lab File: BM042372.D
Acq: 19 Oct 2023 16:15

Tgt Ion:276 Resp: 1779
Ion Ratio Lower Upper
276 100
138 47.0 33.3 49.9
277 35.7 19.9 29.9

