

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
 Data File : BM042368.D
 Acq On : 19 Oct 2023 13:48
 Operator : MA/JU
 Sample : 03573-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Oct 19 14:16:33 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	3579	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9268	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3855	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7286	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	2973	0.400	ng/ul	0.00
23) Perylene-d12	24.050	264	3134	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2192	0.415	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4320	0.379	ng/ul	0.00
18) Fluoranthene-d10	19.422	212	5441	0.405	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	628m	0.112	ng/ul	
5) Naphthalene	10.884	128	2048	0.069	ng/ul#	90
7) 2-Methylnaphthalene	12.489	142	1169	0.068	ng/ul	96
8) 1-Methylnaphthalene	12.709	142	1169	0.066	ng/ul	98
10) Acenaphthylene	14.384	152	1593	0.069	ng/ul#	89
11) Acenaphthene	14.717	153	1318	0.070	ng/ul	98
12) Fluorene	15.702	166	1405	0.068	ng/ul#	96
14) Pentachlorophenol	17.042	266	196	0.070	ng/ul	97
15) Phenanthrene	17.447	178	2179	0.069	ng/ul#	92
16) Anthracene	17.540	178	1772	0.066	ng/ul#	88
19) Fluoranthene	19.455	202	2231	0.068	ng/ul	95
20) Pyrene	19.822	202	2322	0.069	ng/ul	95
21) Benzo(a)anthracene	21.565	228	1521	0.069	ng/ul#	93
22) Chrysene	21.618	228	1670	0.073	ng/ul	95
24) Benzo(b)fluoranthene	23.284	252	1788	0.070	ng/ul	57
25) Benzo(k)fluoranthene	23.336	252	1637	0.068	ng/ul#	54
26) Benzo(a)pyrene	23.942	252	1494	0.074	ng/ul#	46
27) Indeno(1,2,3-cd)pyrene	26.649	276	1864	0.072	ng/ul	100
28) Dibenzo(a,h)anthracene	26.673	278	1327	0.071	ng/ul#	70
29) Benzo(g,h,i)perylene	27.451	276	1662	0.074	ng/ul#	87

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

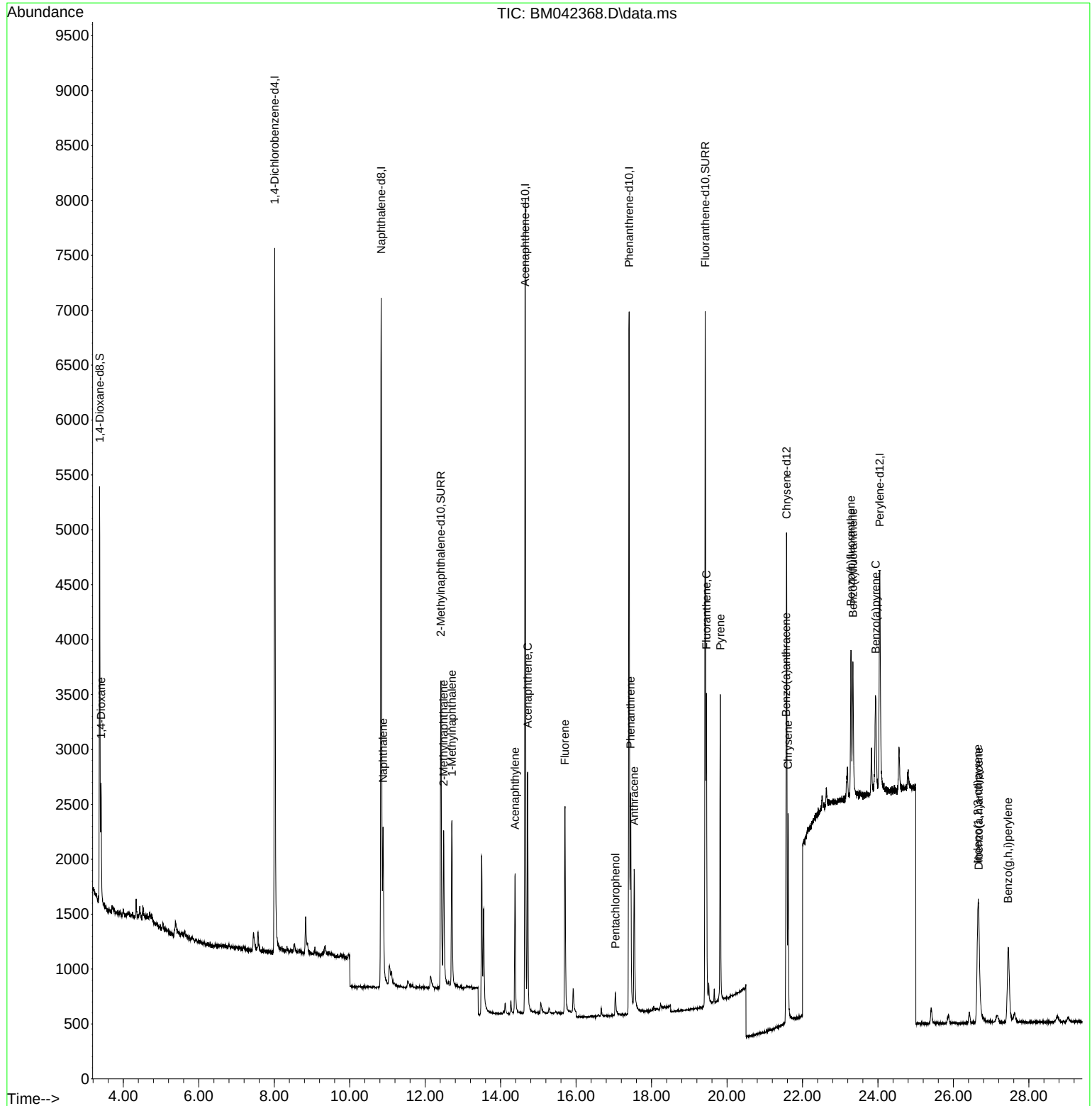
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
Data File : BM042368.D
Acq On : 19 Oct 2023 13:48
Operator : MA/JU
Sample : 03573-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

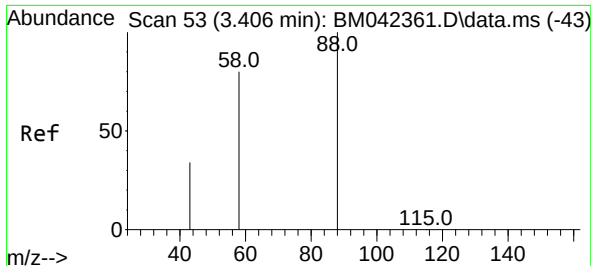
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06

Quant Time: Oct 19 14:16:33 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
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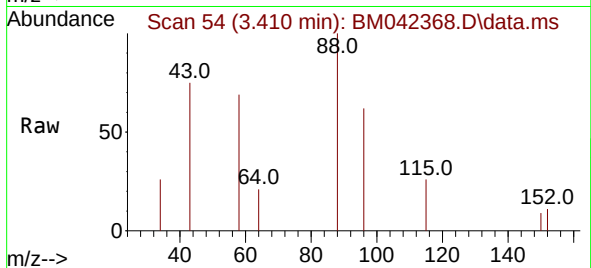
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023





#2
1,4-Dioxane
Concen: 0.112 ng/ul m
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

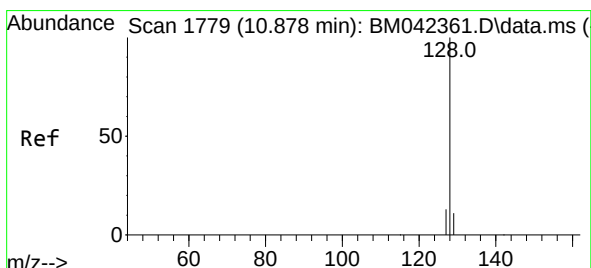
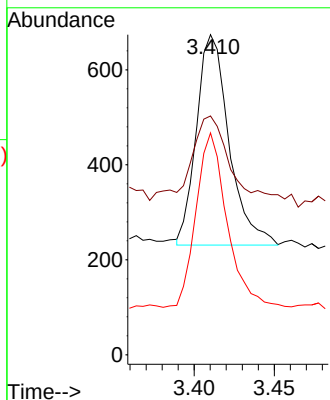
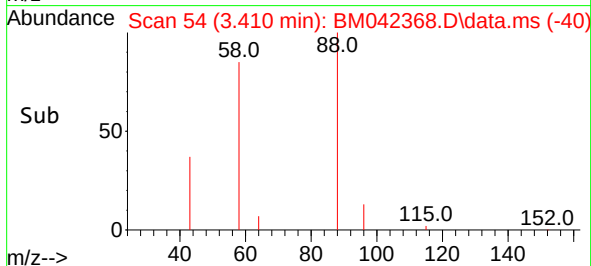
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 88 Resp: 628
Ion Ratio Lower Upper
88 100
43 74.6 41.0 61.6
58 69.3 60.9 91.3

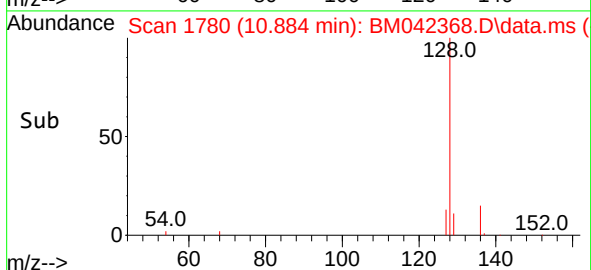
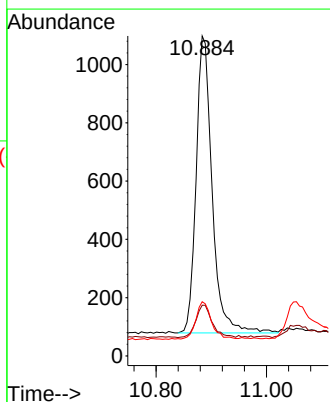
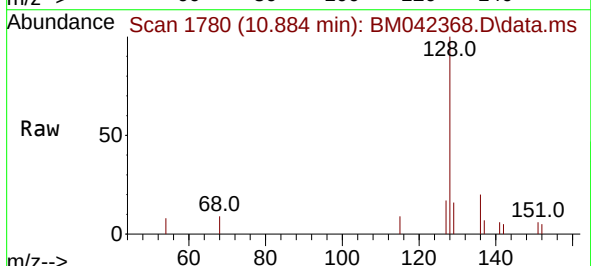
Manual Integrations
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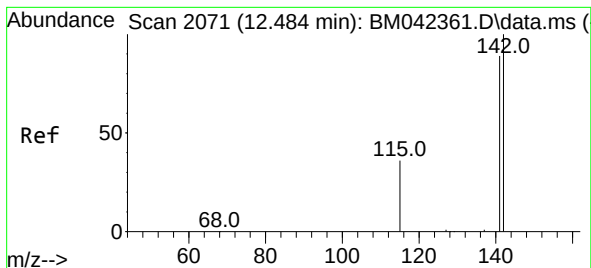
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.884 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

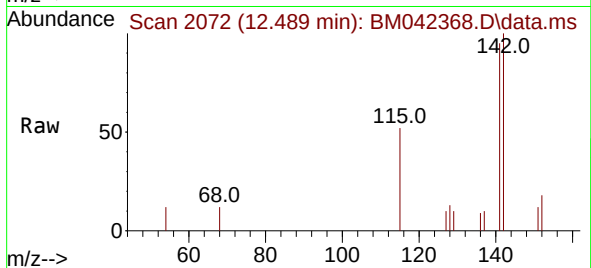
Tgt Ion:128 Resp: 2048
Ion Ratio Lower Upper
128 100
129 15.8 9.0 13.6#
127 16.9 10.6 16.0#





#7
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.489 min Scan# 2071
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

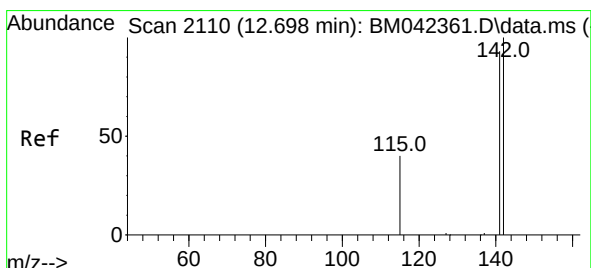
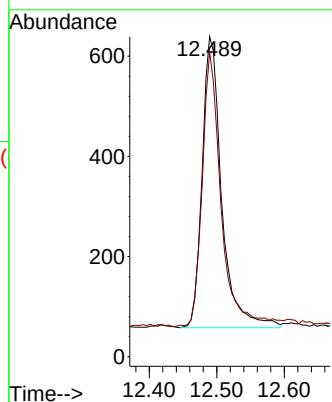
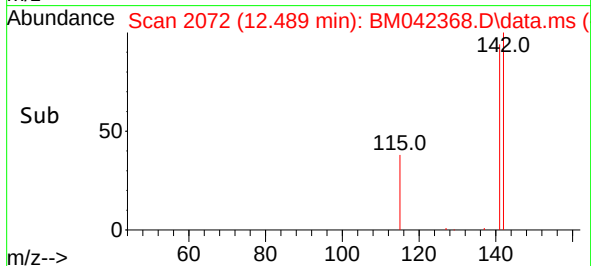
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:142 Resp: 1169
Ion Ratio Lower Upper
142 100
141 93.4 71.9 107.9

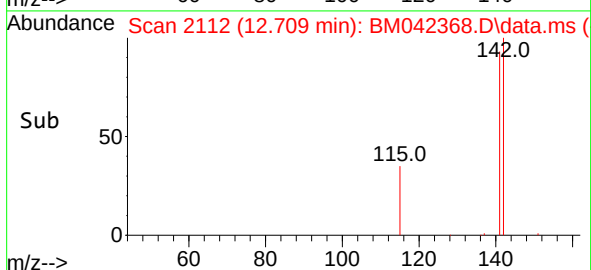
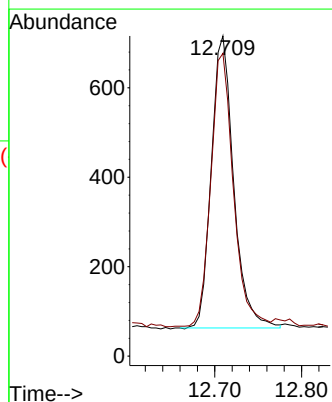
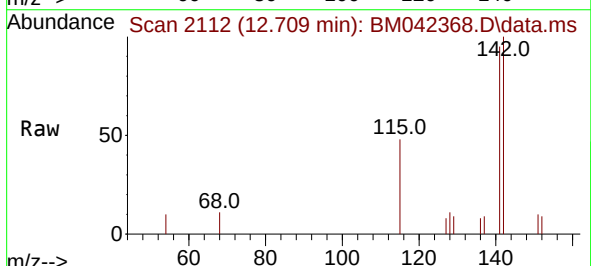
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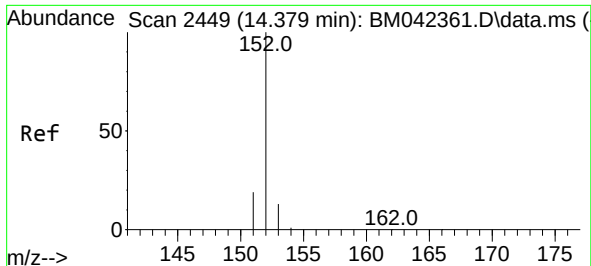
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.709 min Scan# 2112
Delta R.T. 0.005 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

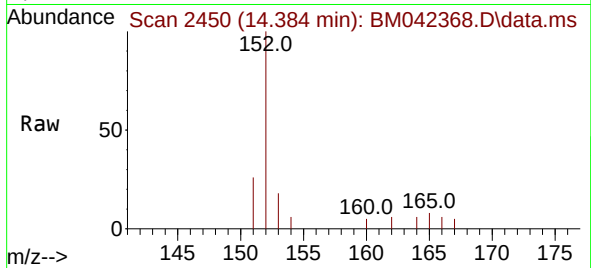
Tgt Ion:142 Resp: 1169
Ion Ratio Lower Upper
142 100
141 94.4 73.7 110.5





#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.384 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

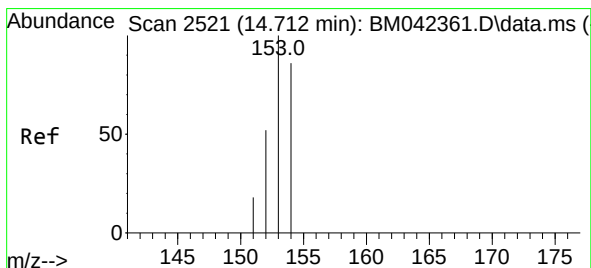
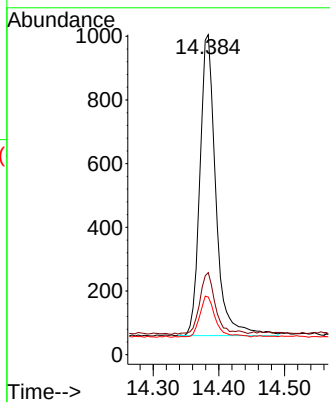
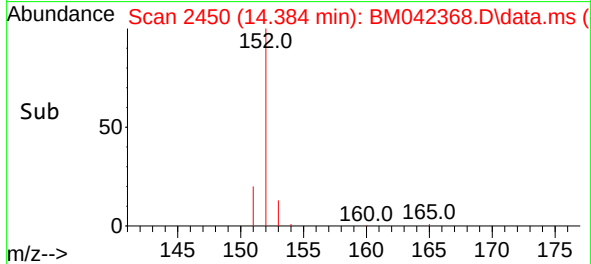
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:152 Resp: 159
Ion Ratio Lower Upper
152 100
151 25.7 16.2 24.4
153 18.0 10.8 16.2

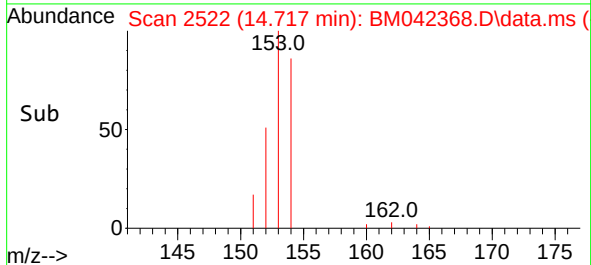
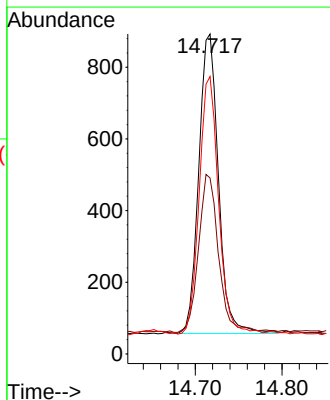
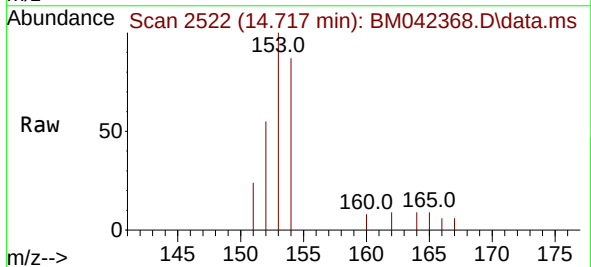
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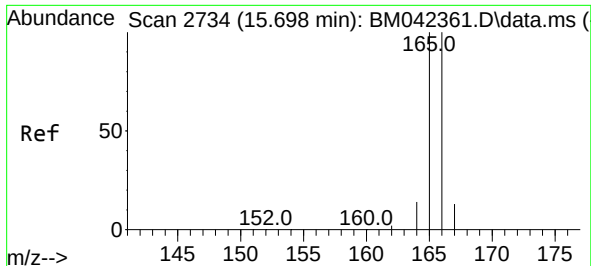
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

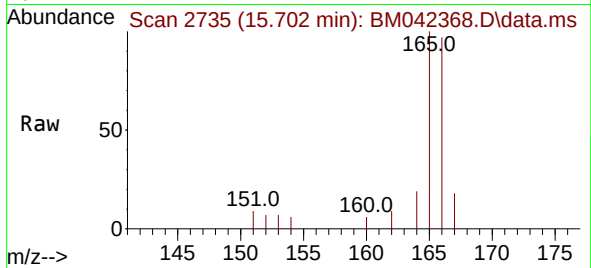
Tgt Ion:153 Resp: 1318
Ion Ratio Lower Upper
153 100
152 55.0 41.7 62.5
154 86.7 70.0 105.0





#12
Fluorene
Concen: 0.068 ng/ul
RT: 15.702 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

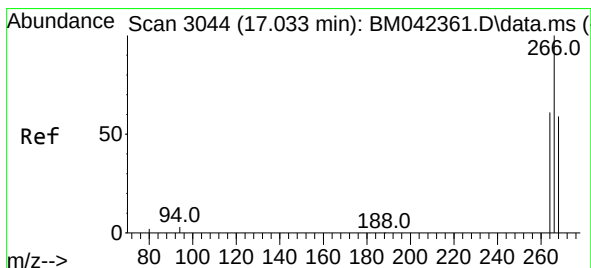
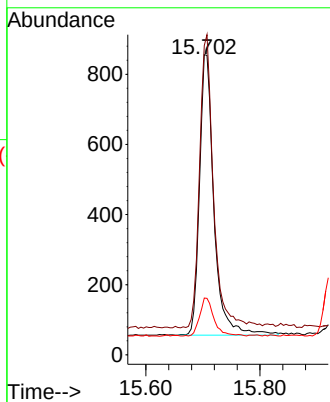
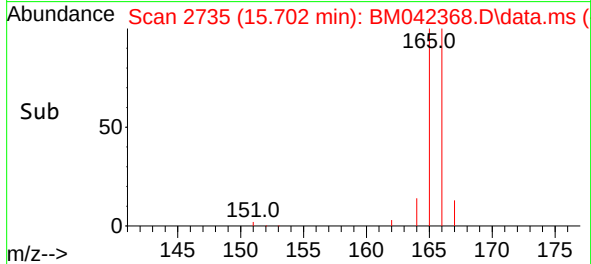
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:166 Resp: 140
Ion Ratio Lower Upper
166 100
165 103.0 80.3 120.5
167 18.9 11.4 17.2

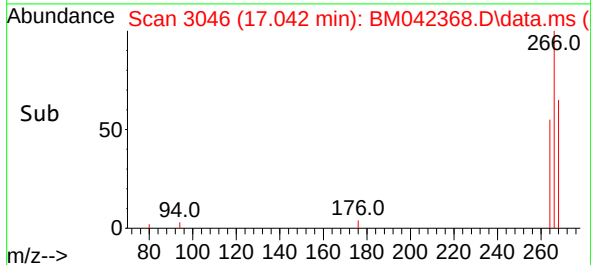
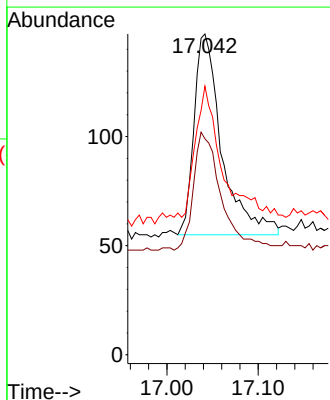
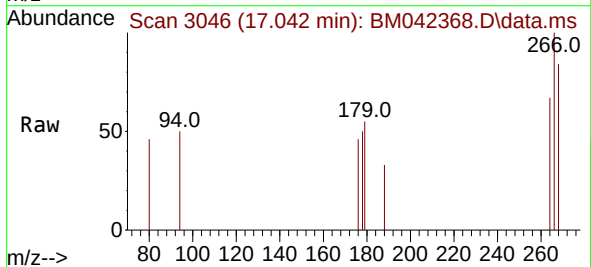
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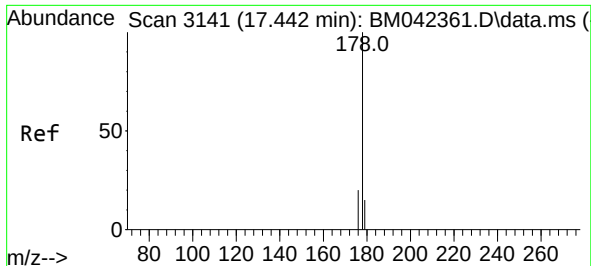
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#14
Pentachlorophenol
Concen: 0.070 ng/ul
RT: 17.042 min Scan# 3046
Delta R.T. 0.004 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

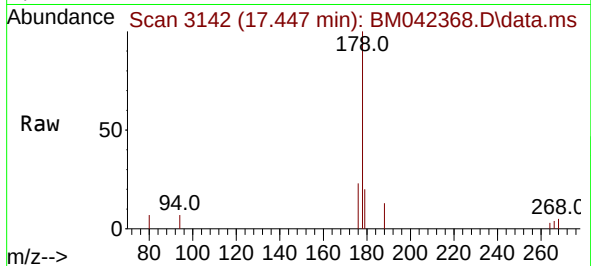
Tgt Ion:266 Resp: 196
Ion Ratio Lower Upper
266 100
264 58.2 49.8 74.8
268 63.8 51.9 77.9





#15
Phenanthrene
Concen: 0.069 ng/u1
RT: 17.447 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

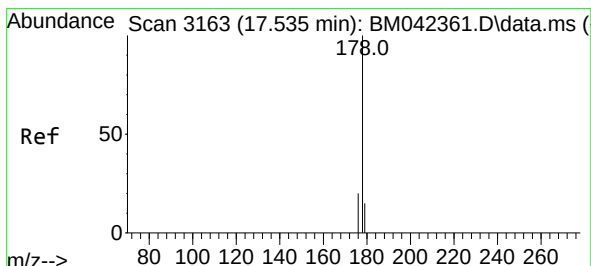
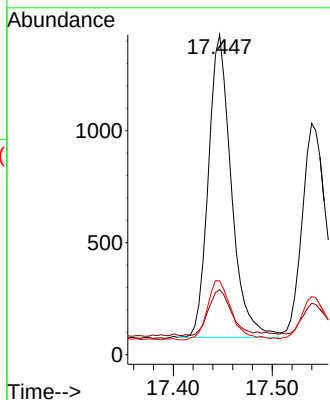
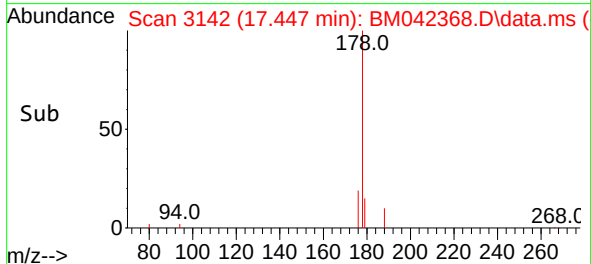
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:178 Resp: 2179
Ion Ratio Lower Upper
178 100
179 20.3 12.6 19.0#
176 23.1 16.4 24.6#

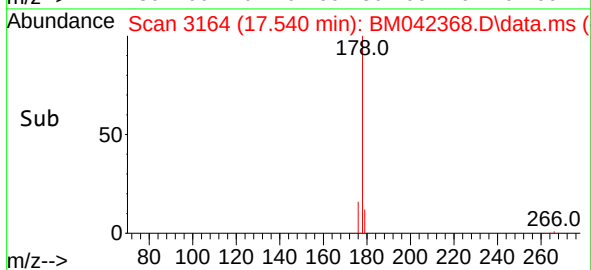
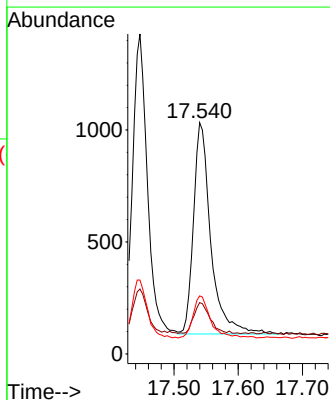
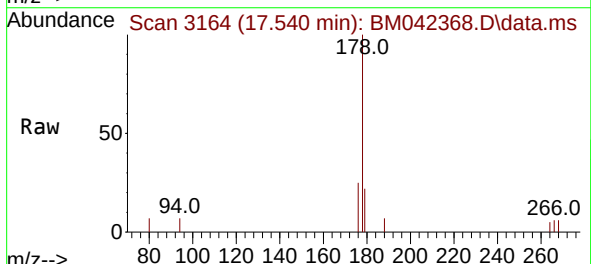
Manual Integrations
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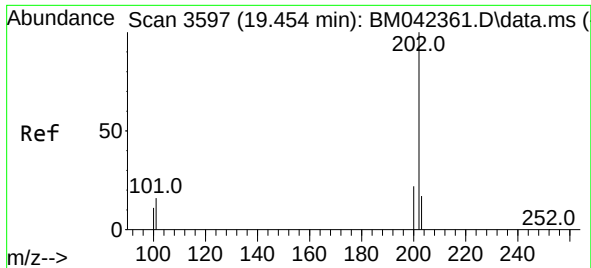
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#16
Anthracene
Concen: 0.066 ng/u1
RT: 17.540 min Scan# 3164
Delta R.T. 0.004 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

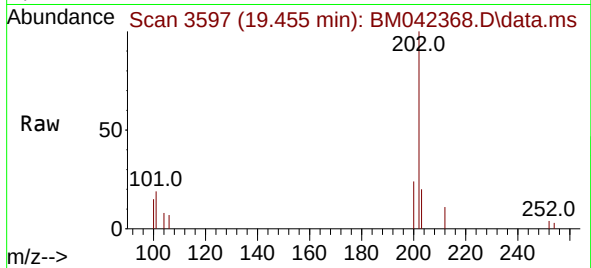
Tgt Ion:178 Resp: 1772
Ion Ratio Lower Upper
178 100
179 22.2 12.9 19.3#
176 25.1 16.4 24.6#





#19
Fluoranthene
Concen: 0.068 ng/u1
RT: 19.455 min Scan# 3597
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

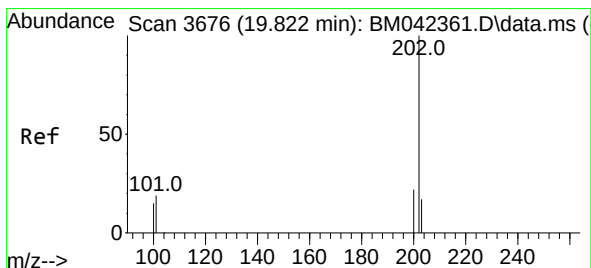
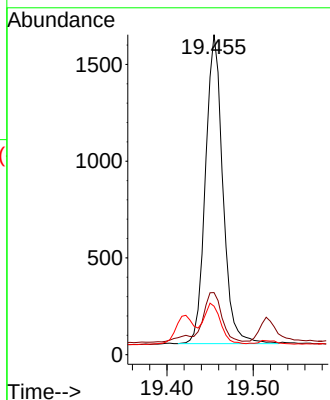
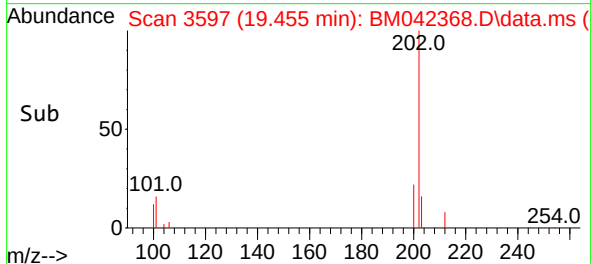
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:202 Resp: 223
Ion Ratio Lower Upper
202 100
101 19.4 14.0 21.0
100 15.1 10.4 15.6

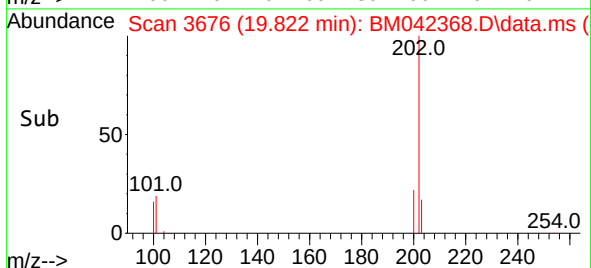
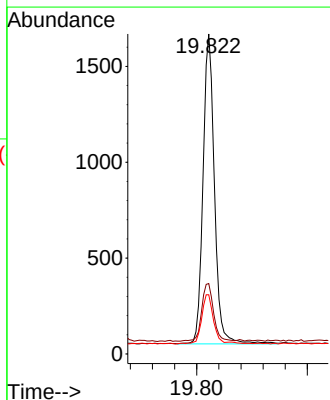
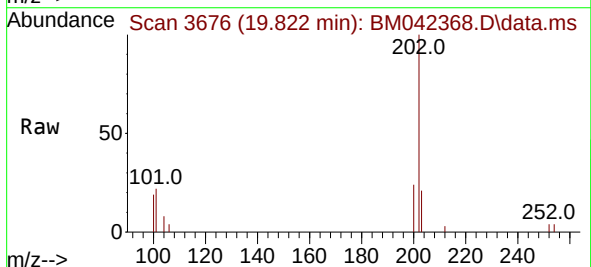
Manual Integrations
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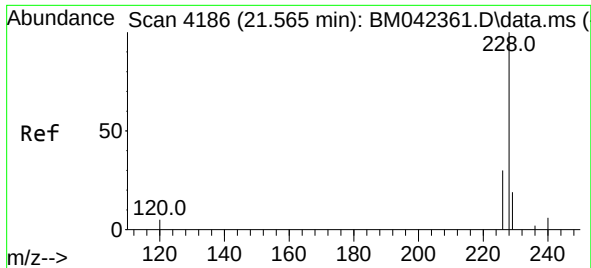
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#20
Pyrene
Concen: 0.069 ng/u1
RT: 19.822 min Scan# 3676
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

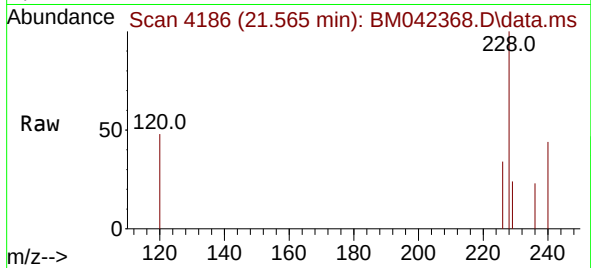
Tgt Ion:202 Resp: 2322
Ion Ratio Lower Upper
202 100
101 22.0 15.8 23.8
100 18.5 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.069 ng/u1
RT: 21.565 min Scan# 4186
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

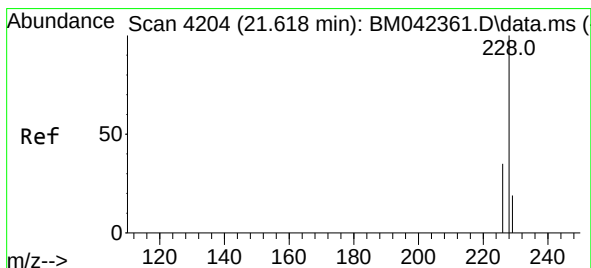
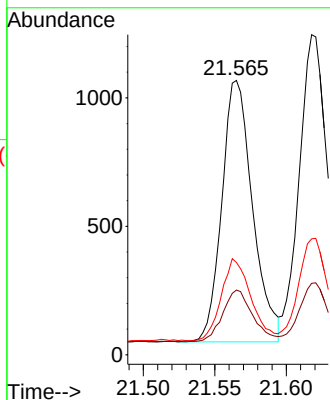
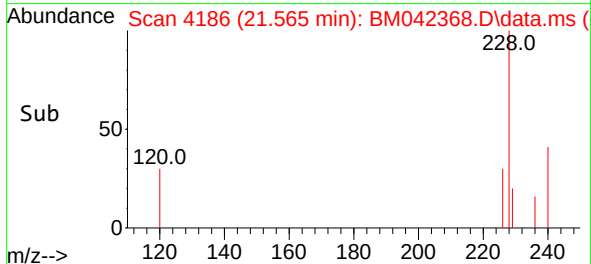
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:228 Resp: 1520
Ion Ratio Lower Upper
228 100
229 23.6 15.6 23.4
226 33.6 24.7 37.1

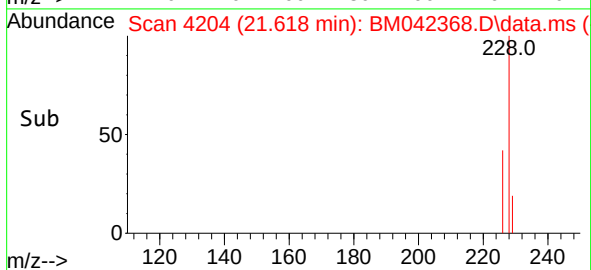
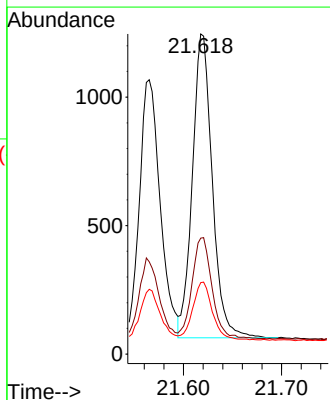
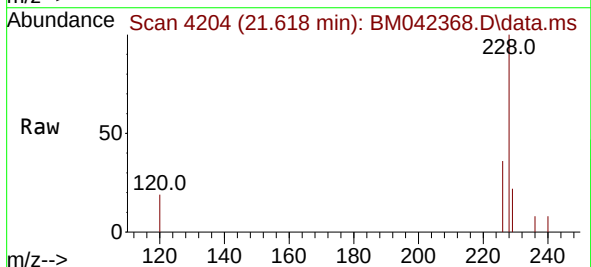
Manual Integrations
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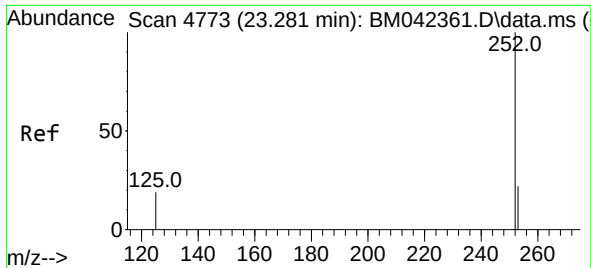
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#22
Chrysene
Concen: 0.073 ng/u1
RT: 21.618 min Scan# 4204
Delta R.T. -0.003 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

Tgt Ion:228 Resp: 1670
Ion Ratio Lower Upper
228 100
226 36.2 27.1 40.7
229 22.3 15.8 23.8





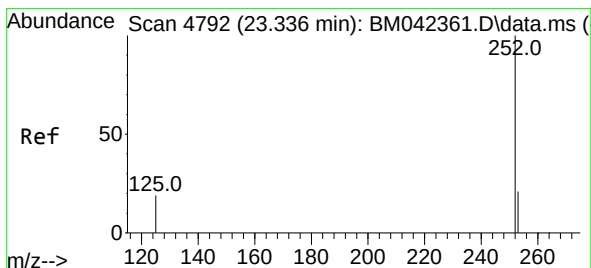
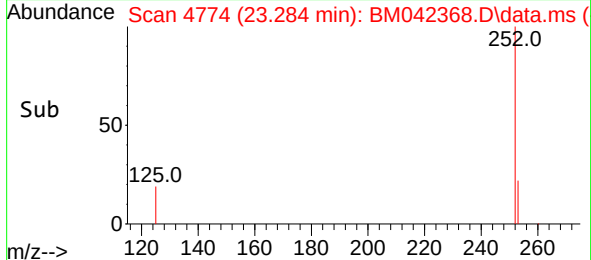
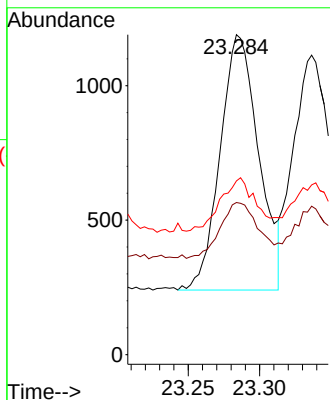
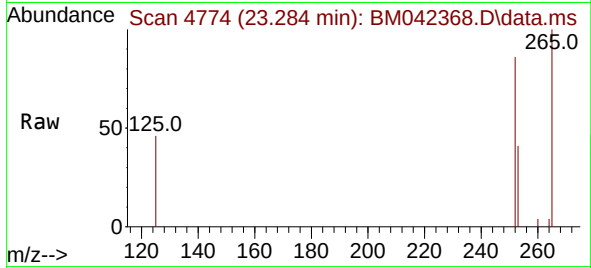
#24
Benzo(b)fluoranthene
Concen: 0.070 ng/ul
RT: 23.284 min Scan# 4773
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:252 Resp: 1788
Ion Ratio Lower Upper
252 100
253 47.6 0.0 56.4
125 54.3 0.0 56.0

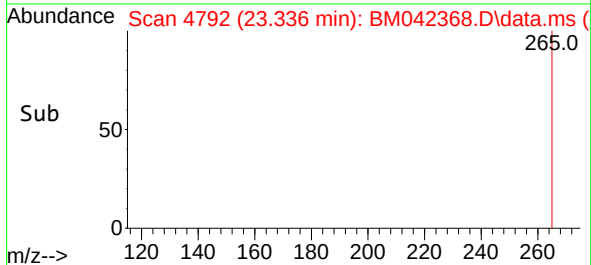
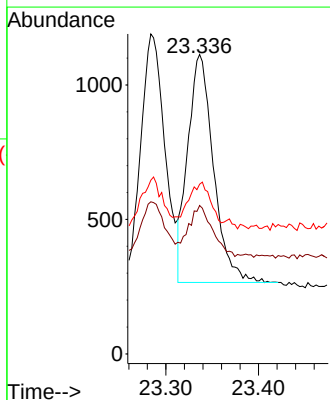
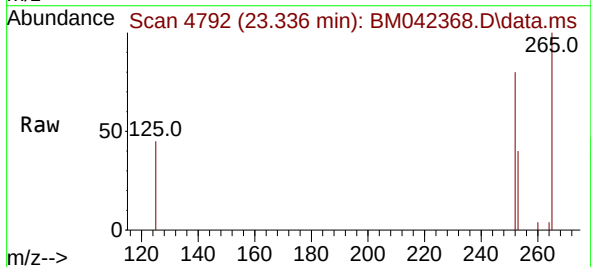
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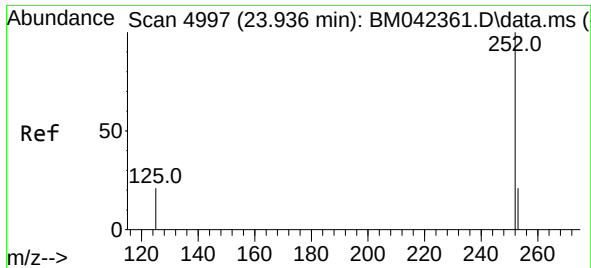
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 23.336 min Scan# 4792
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

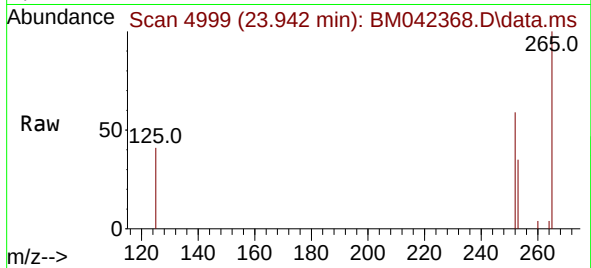
Tgt Ion:252 Resp: 1637
Ion Ratio Lower Upper
252 100
253 49.6 22.7 34.1#
125 56.6 23.0 34.4#





#26
Benzo(a)pyrene
Concen: 0.074 ng/ul
RT: 23.942 min Scan# 4999
Delta R.T. 0.003 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

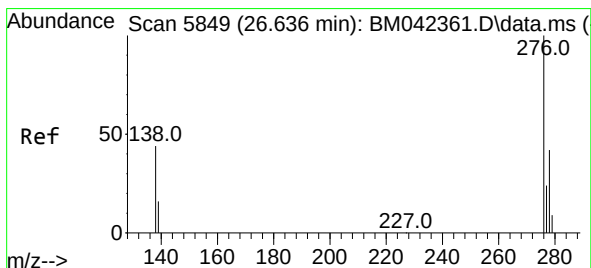
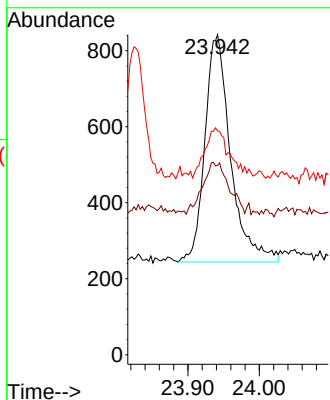
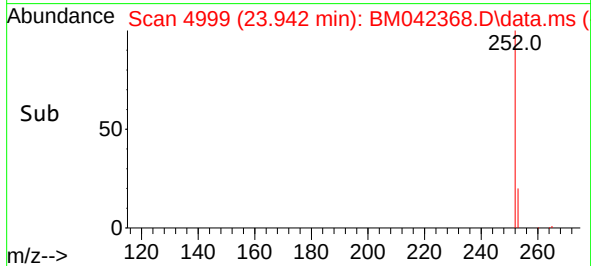
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:252 Resp: 1494
Ion Ratio Lower Upper
252 100
253 59.1 26.3 39.5
125 70.0 27.7 41.5

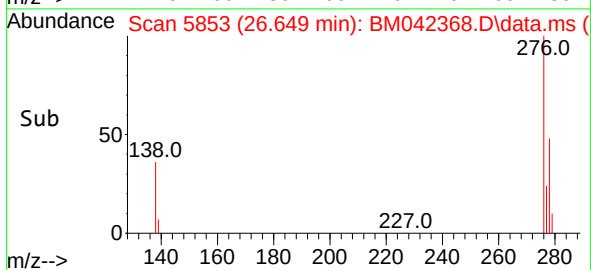
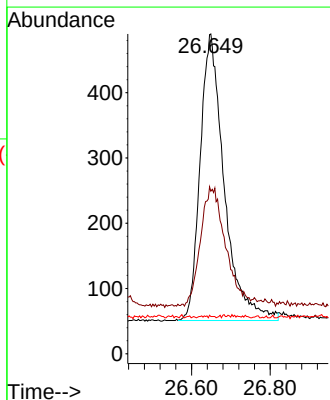
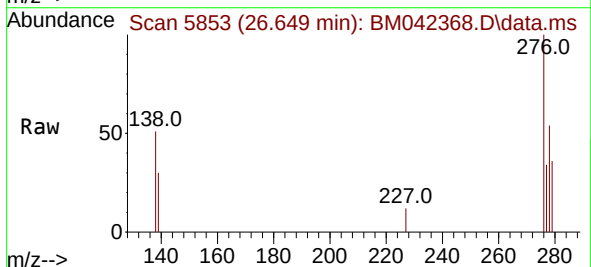
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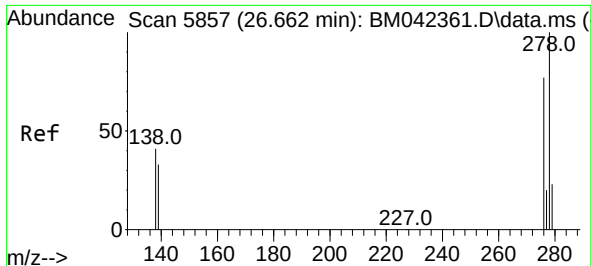
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.072 ng/ul
RT: 26.649 min Scan# 5853
Delta R.T. 0.010 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

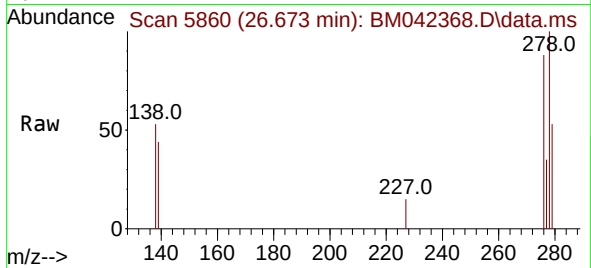
Tgt Ion:276 Resp: 1864
Ion Ratio Lower Upper
276 100
138 44.6 35.9 53.9
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 26.673 min Scan# 5860
Delta R.T. 0.010 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48

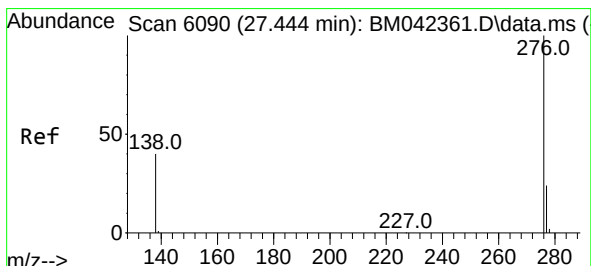
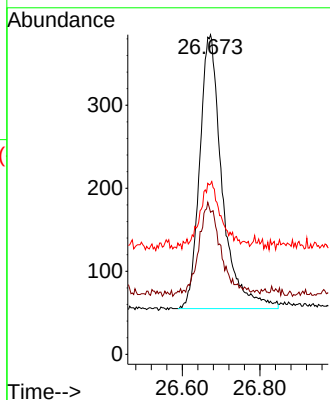
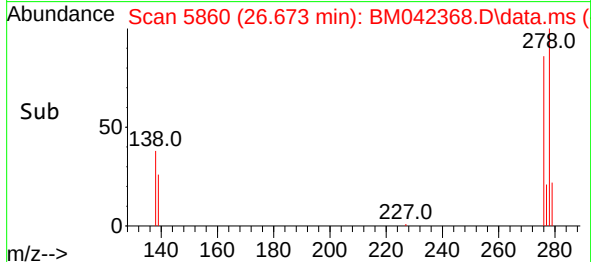
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2023-06



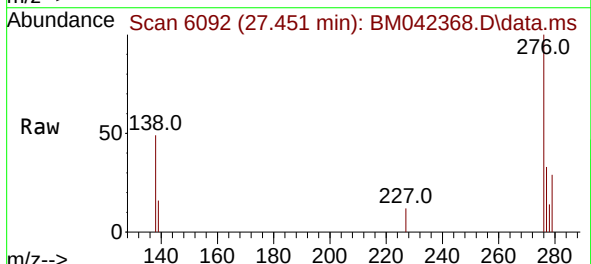
Tgt Ion: 278 Resp: 132
Ion Ratio Lower Upper
278 100
139 44.4 28.1 42.1
279 53.2 22.9 34.3

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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: 0.074 ng/ul
RT: 27.451 min Scan# 6092
Delta R.T. 0.000 min
Lab File: BM042368.D
Acq: 19 Oct 2023 13:48



Tgt Ion: 276 Resp: 1662
Ion Ratio Lower Upper
276 100
138 49.0 33.3 49.9
277 33.0 19.9 29.9

