

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030122\
 Data File : BN018781.D
 Acq On : 01 Mar 2022 12:09
 Operator : CG/JU
 Sample : N1331-01
 Misc : SFAM-SIM-MDL-WATER01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT1-2022-01

Manual Integrations
 APPROVED

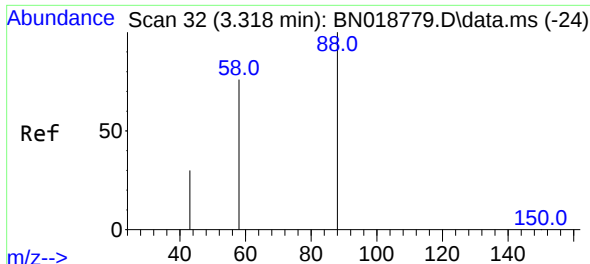
Reviewed By :Jagrut Upadhyay 03/01/2022
 Supervised By :mohammad ahmed 03/02/2022

Quant Time: Mar 01 12:38:25 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN021822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 18 13:39:55 2022
 Response via : Initial Calibration

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

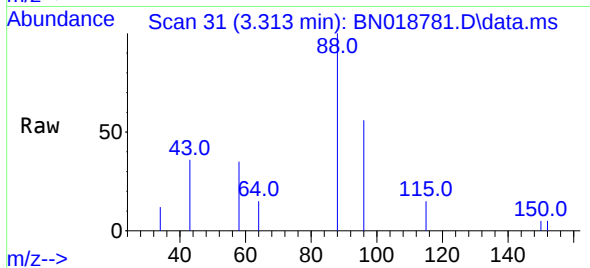
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.908	152	6301	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.713	136	15997	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.546	164	7974	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.287	188	14572	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.469	240	10493	0.400	ng/ul	# 0.00
23) Perylene-d12	23.866	264	8285	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	4853	0.678	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	12.303	152	7124	0.326	ng/ul	-0.01
18) Fluoranthene-d10	19.311	212	12117	0.387	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.313	88	611m	0.083	ng/ul	
5) Naphthalene	10.768	128	2941	0.065	ng/ul	95
7) 2-Methylnaphthalene	12.380	142	1845	0.063	ng/ul	100
8) 1-Methylnaphthalene	12.594	142	1838	0.063	ng/ul	100
10) Acenaphthylene	14.264	152	2051	0.057	ng/ul	93
11) Acenaphthene	14.606	153	1833	0.064	ng/ul	98
12) Fluorene	15.592	166	1901	0.061	ng/ul	97
14) Pentachlorophenol	16.945	266	170m	0.057	ng/ul	
15) Phenanthrene	17.329	178	3087	0.064	ng/ul#	93
16) Anthracene	17.422	178	2409	0.056	ng/ul#	93
19) Fluoranthene	19.343	202	3369	0.076	ng/ul#	86
20) Pyrene	19.706	202	3355	0.074	ng/ul#	86
21) Benzo(a)anthracene	21.452	228	2424	0.060	ng/ul	96
22) Chrysene	21.504	228	3052	0.072	ng/ul	98
24) Benzo(b)fluoranthene	23.138	252	2875	0.078	ng/ul#	61
25) Benzo(k)fluoranthene	23.185	252	2784	0.076	ng/ul#	64
26) Benzo(a)pyrene	23.761	252	2133	0.066	ng/ul#	43
27) Indeno(1,2,3-cd)pyrene	26.358	276	2704	0.065	ng/ul#	75
28) Dibenzo(a,h)anthracene	26.375	278	2050	0.063	ng/ul#	64
29) Benzo(g,h,i)perylene	27.119	276	2496	0.070	ng/ul#	77

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



#2
1,4-Dioxane
Concen: 0.083 ng/ul m
RT: 3.313 min Scan# 31
Delta R.T. -0.021 min
Lab File: BN018781.D
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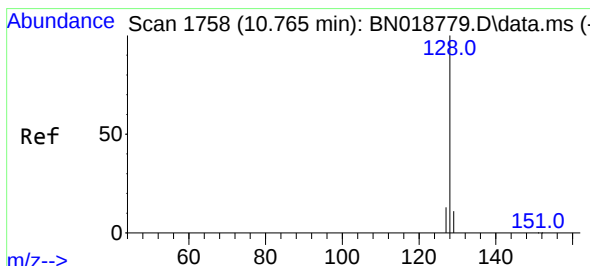
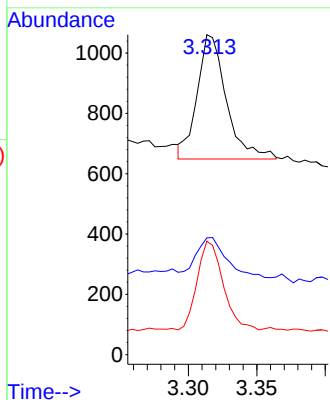
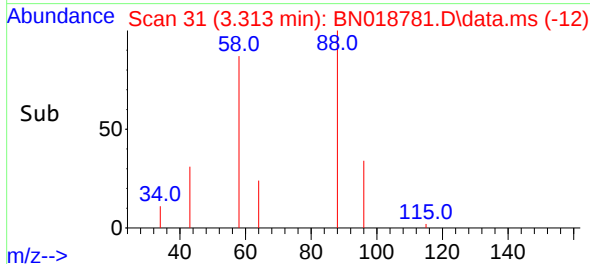
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2022-01



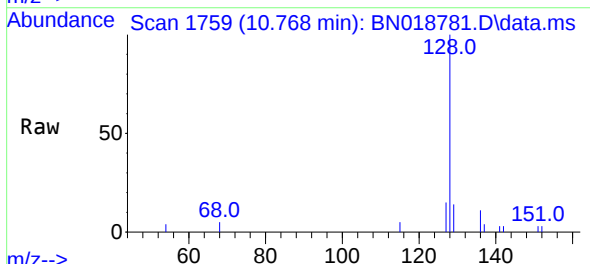
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 36.5 47.8 71.8
58 35.4 46.2 69.2

Manual Integrations
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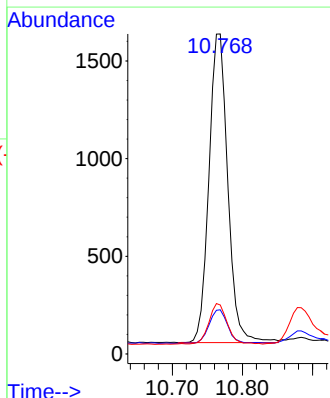
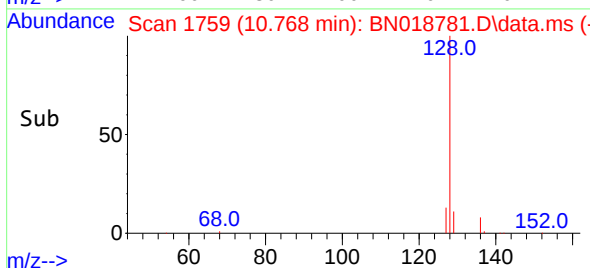
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

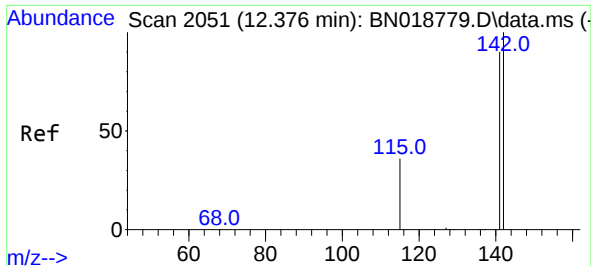


#5
Naphthalene
Concen: 0.065 ng/ul
RT: 10.768 min Scan# 1759
Delta R.T. -0.005 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09



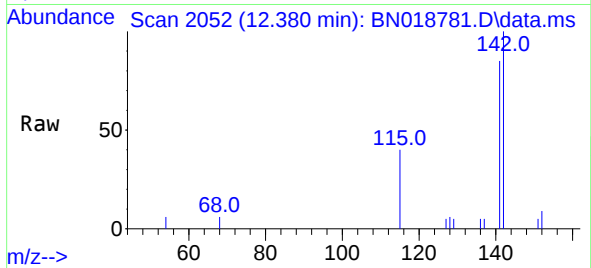
Tgt Ion:128 Resp: 2941
Ion Ratio Lower Upper
128 100
129 13.8 9.4 14.0
127 15.3 11.0 16.6





#7
2-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.380 min Scan# 2051
Delta R.T. -0.005 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

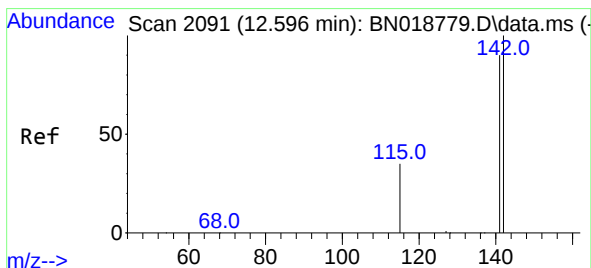
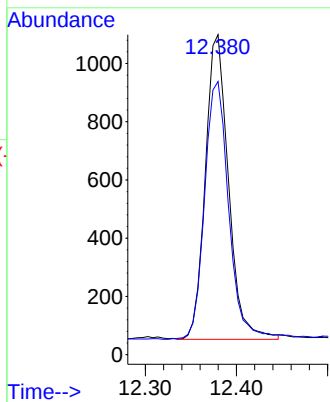
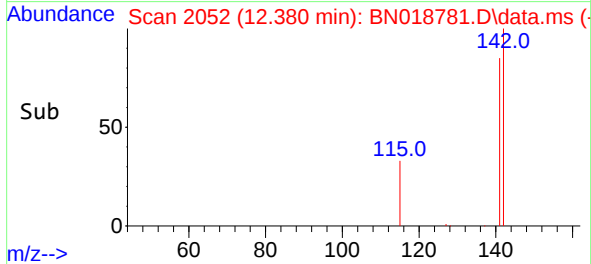
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2022-01



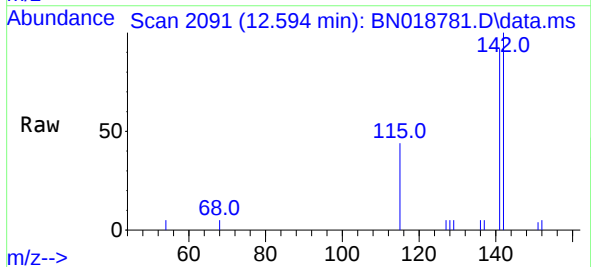
Tgt Ion:142 Resp: 1845
Ion Ratio Lower Upper
142 100
141 88.3 70.9 106.3

Manual Integrations
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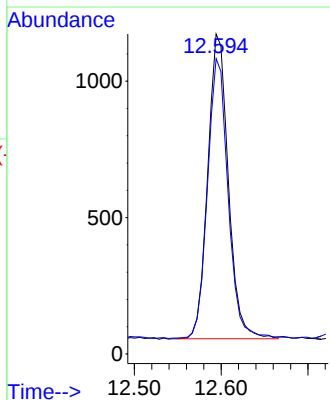
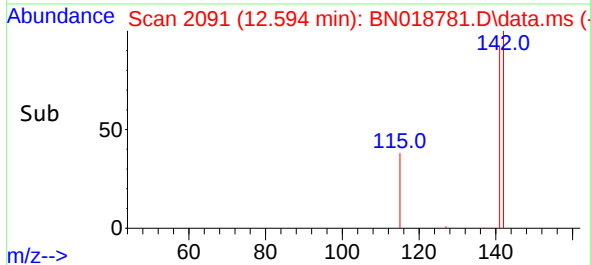
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

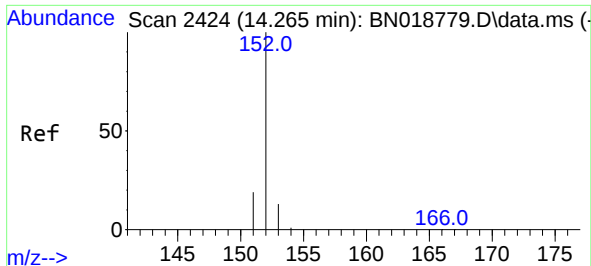


#8
1-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.594 min Scan# 2091
Delta R.T. -0.011 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09



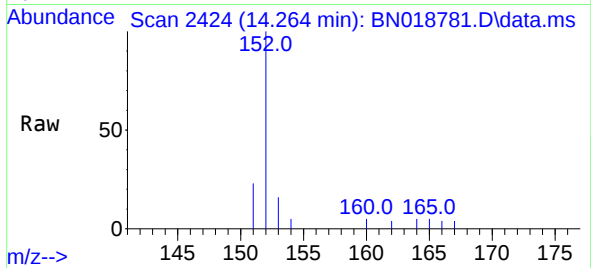
Tgt Ion:142 Resp: 1838
Ion Ratio Lower Upper
142 100
141 91.8 73.2 109.8





#10
Acenaphthylene
Concen: 0.057 ng/ul
RT: 14.264 min Scan# 2424
Delta R.T. -0.005 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

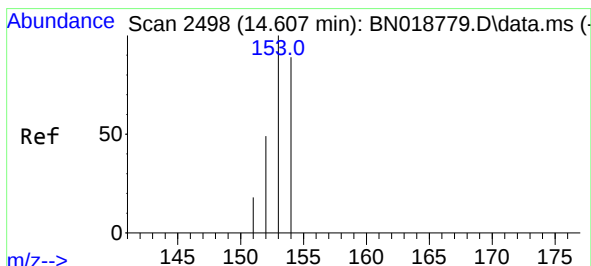
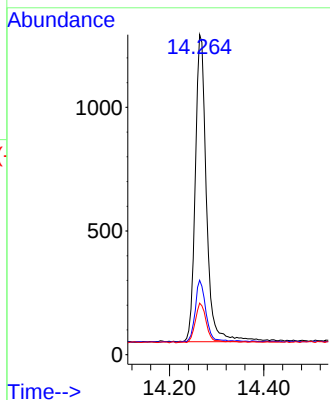
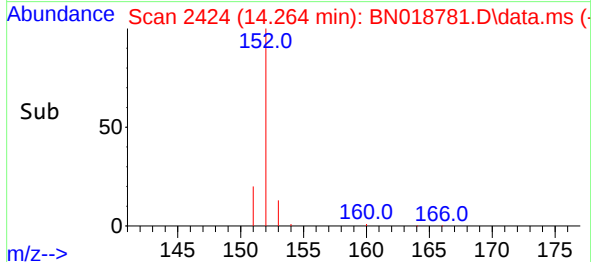
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT1-2022-01



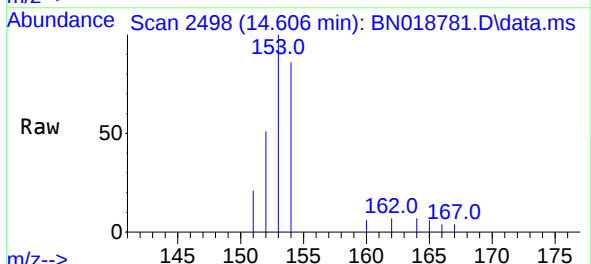
Tgt Ion:152 Resp: 205
Ion Ratio Lower Upper
152 100
151 23.3 15.8 23.8
153 16.1 10.7 16.1

Manual Integrations
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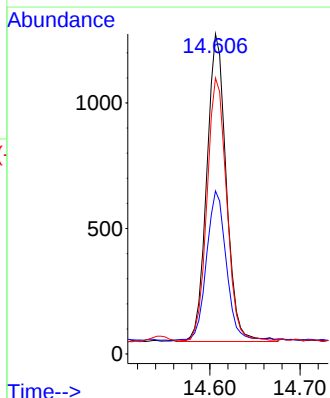
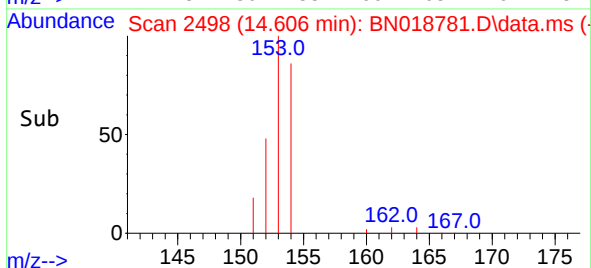
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

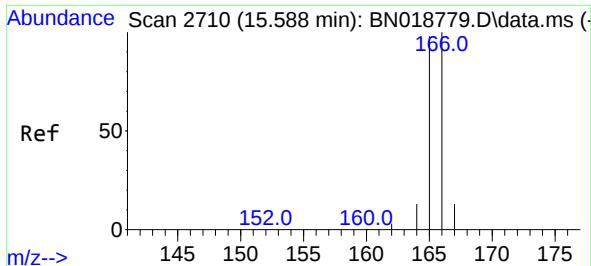


#11
Acenaphthene
Concen: 0.064 ng/ul
RT: 14.606 min Scan# 2498
Delta R.T. -0.005 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09



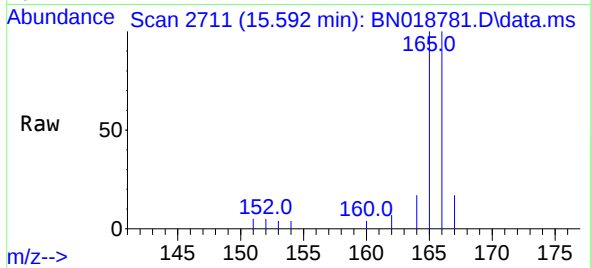
Tgt Ion:153 Resp: 1833
Ion Ratio Lower Upper
153 100
152 51.0 39.7 59.5
154 86.3 70.9 106.3





#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.592 min Scan# 2711
Delta R.T. -0.005 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

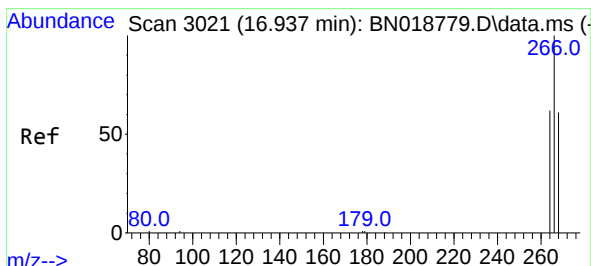
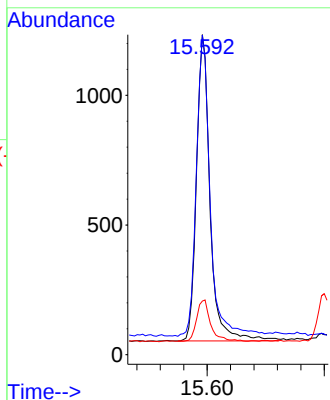
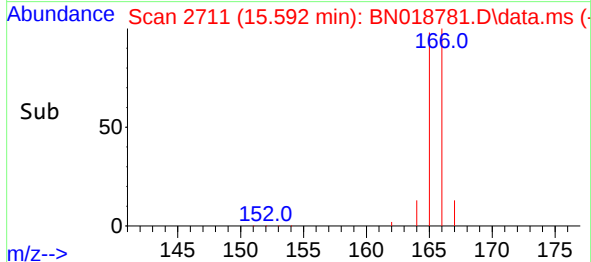
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2022-01



Tgt Ion:166 Resp: 190
Ion Ratio Lower Upper
166 100
165 99.9 77.8 116.6
167 16.8 11.6 17.4

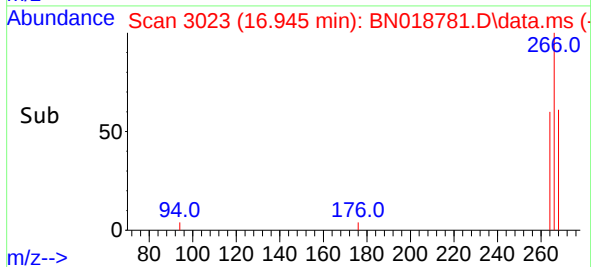
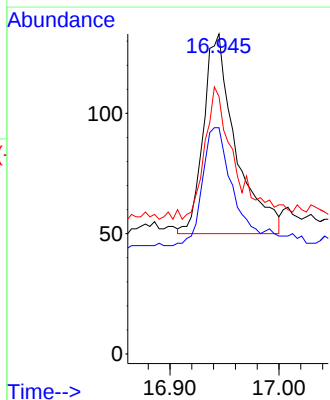
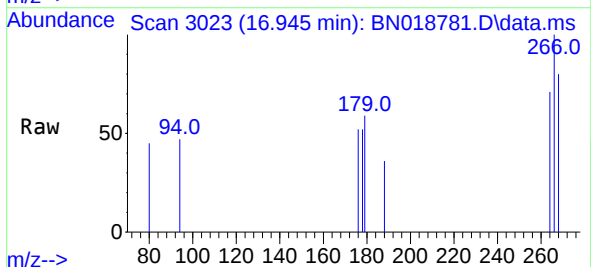
Manual Integrations
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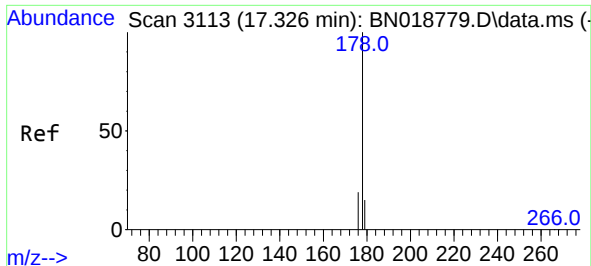
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#14
Pentachlorophenol
Concen: 0.057 ng/ul m
RT: 16.945 min Scan# 3023
Delta R.T. 0.004 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

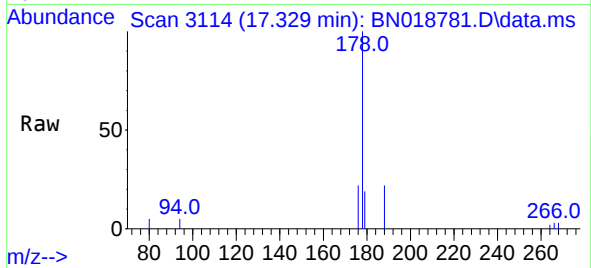
Tgt Ion:266 Resp: 170
Ion Ratio Lower Upper
266 100
264 61.2 49.9 74.9
268 62.9 51.7 77.5





#15
Phenanthrene
Concen: 0.064 ng/u1
RT: 17.329 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

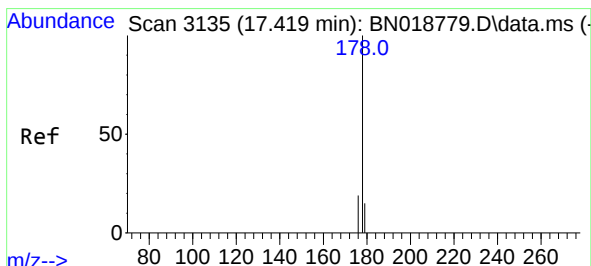
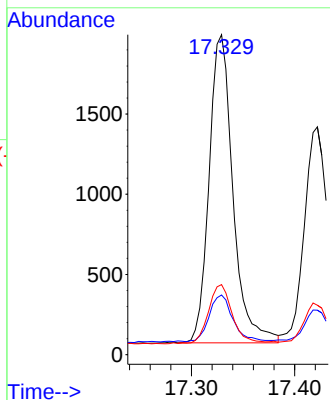
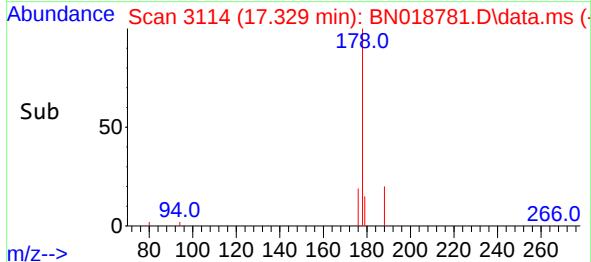
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2022-01



Tgt Ion:178 Resp: 3085
Ion Ratio Lower Upper
178 100
179 18.6 12.2 18.4
176 21.9 15.4 23.2

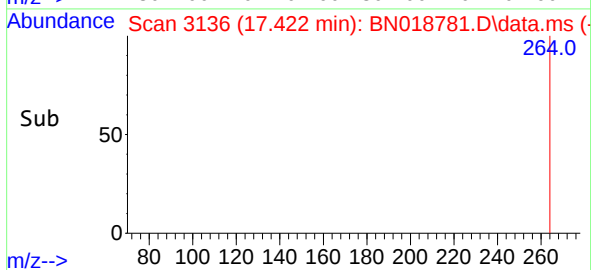
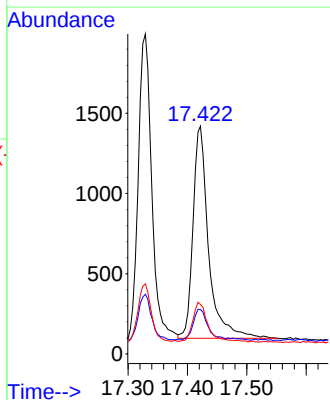
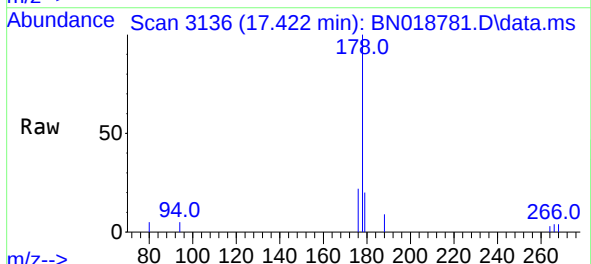
Manual Integrations
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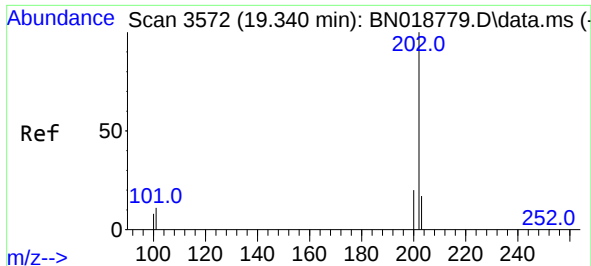
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#16
Anthracene
Concen: 0.056 ng/u1
RT: 17.422 min Scan# 3136
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

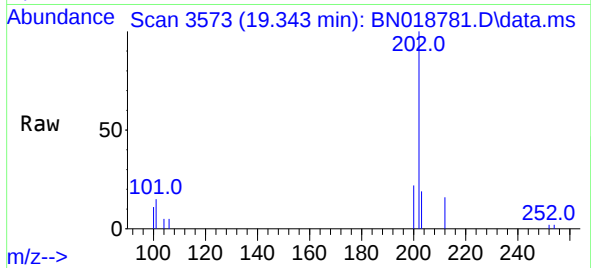
Tgt Ion:178 Resp: 2409
Ion Ratio Lower Upper
178 100
179 19.5 12.3 18.5
176 21.7 15.5 23.3





#19
Fluoranthene
Concen: 0.076 ng/u1
RT: 19.343 min Scan# 3572
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

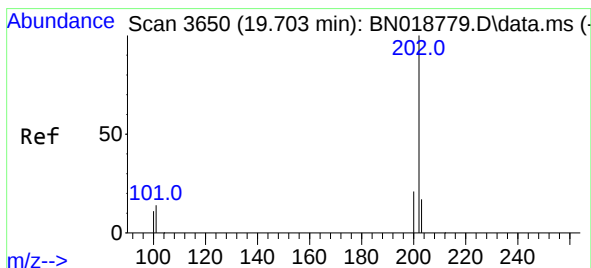
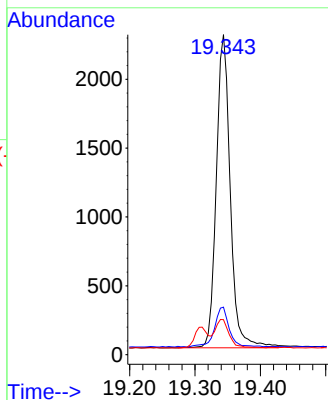
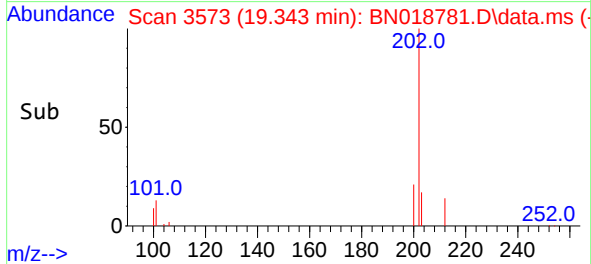
Instrument :
BNA_N
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MDL-WATER-QT1-2022-01



Tgt Ion:202 Resp: 3369
Ion Ratio Lower Upper
202 100
101 14.8 7.5 11.3#
100 10.9 5.4 8.2#

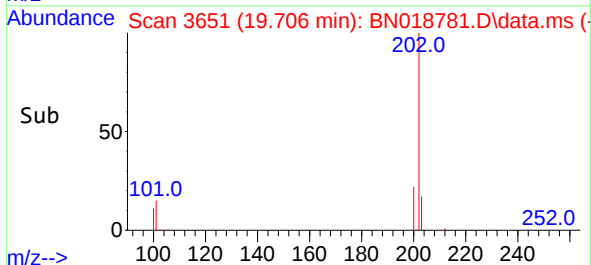
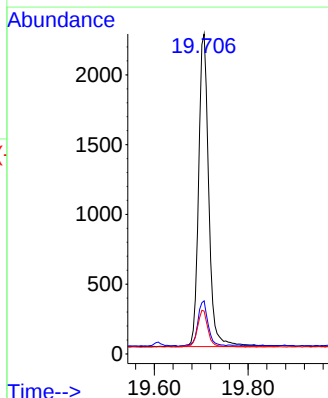
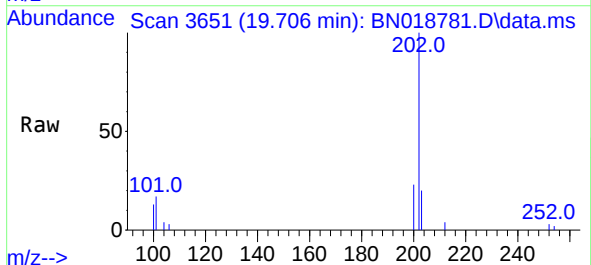
Manual Integrations
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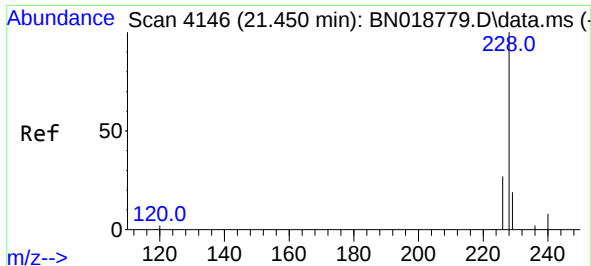
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#20
Pyrene
Concen: 0.074 ng/u1
RT: 19.706 min Scan# 3651
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

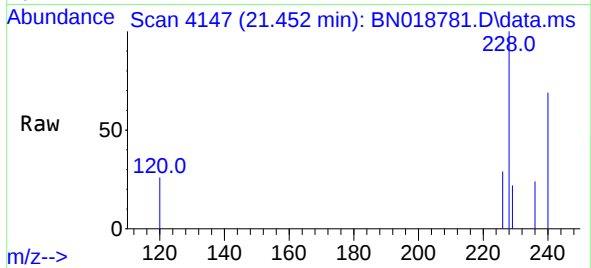
Tgt Ion:202 Resp: 3355
Ion Ratio Lower Upper
202 100
101 16.6 9.0 13.4#
100 13.4 7.0 10.4#





#21
Benzo(a)anthracene
Concen: 0.060 ng/u1
RT: 21.452 min Scan# 4146
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

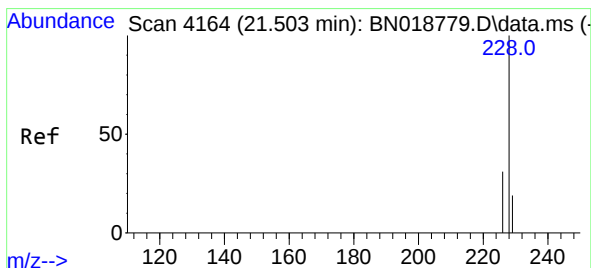
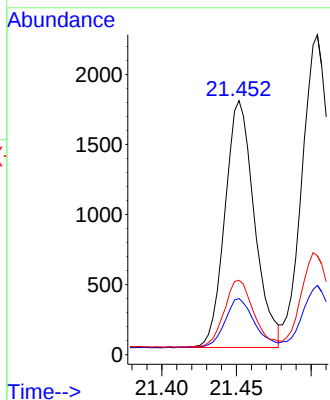
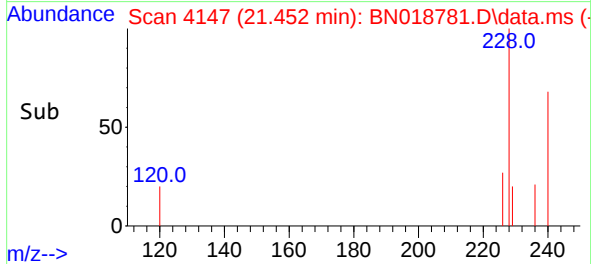
Instrument :
BNA_N
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MDL-WATER-QT1-2022-01



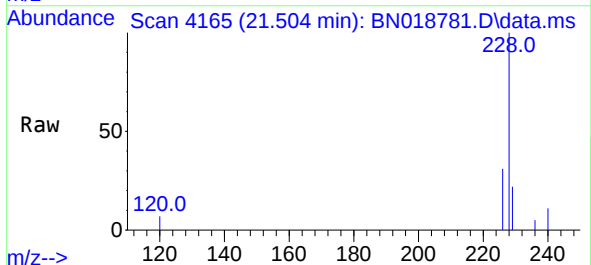
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Ion Ratio Lower Upper
228 100
229 22.1 15.6 23.4
226 29.3 22.1 33.1

Manual Integrations
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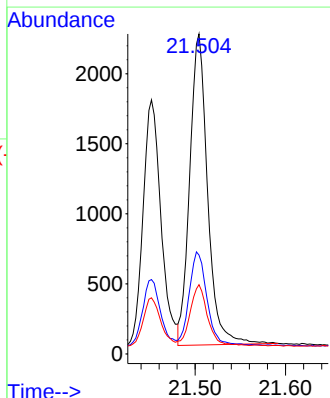
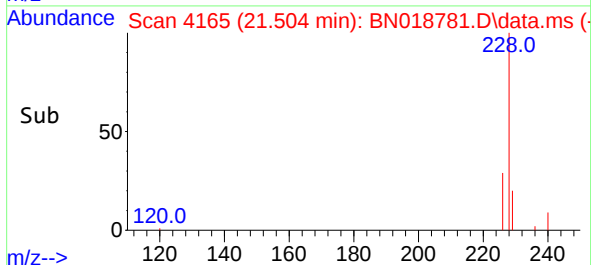
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

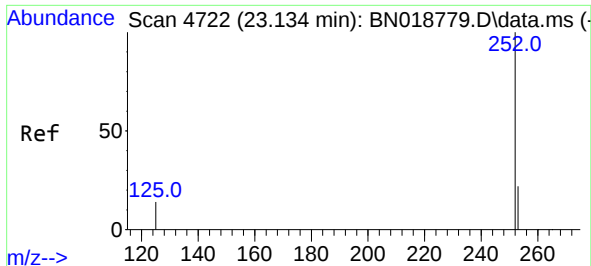


#22
Chrysene
Concen: 0.072 ng/u1
RT: 21.504 min Scan# 4165
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09



Tgt Ion:228 Resp: 3052
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 21.6 15.7 23.5





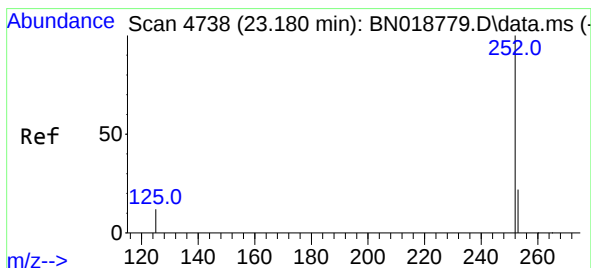
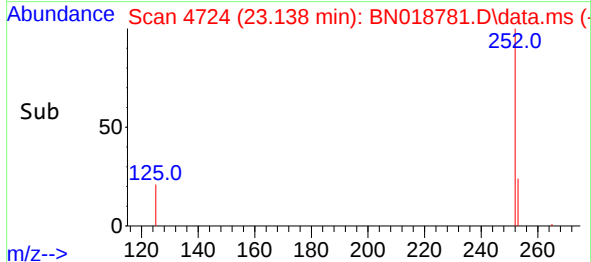
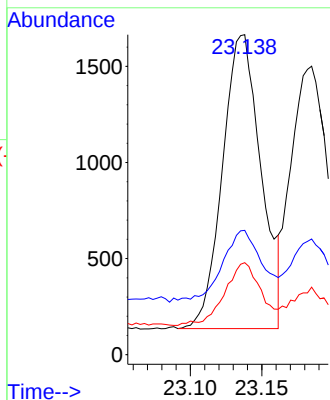
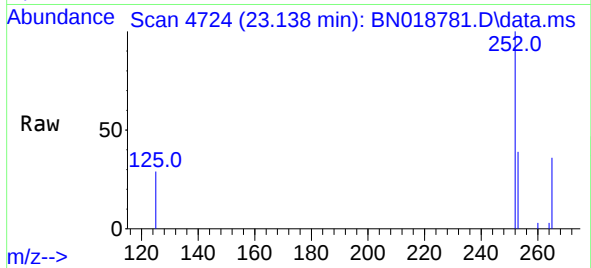
#24
Benzo(b)fluoranthene
Concen: 0.078 ng/ul
RT: 23.138 min Scan# 4722
Delta R.T. 0.003 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion:252 Resp: 2875
Ion Ratio Lower Upper
252 100
253 38.9 0.0 46.4
125 28.8 0.0 17.8

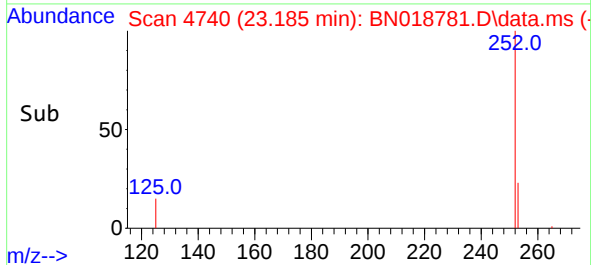
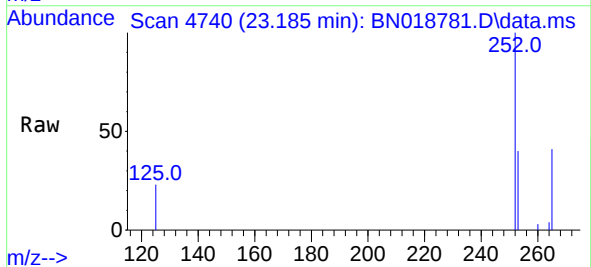
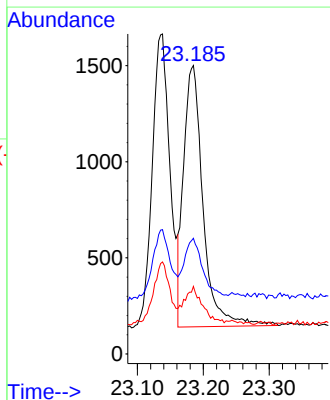
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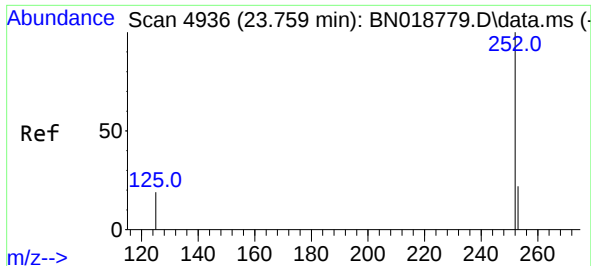
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#25
Benzo(k)fluoranthene
Concen: 0.076 ng/ul
RT: 23.185 min Scan# 4740
Delta R.T. 0.003 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

Tgt Ion:252 Resp: 2784
Ion Ratio Lower Upper
252 100
253 40.1 18.6 28.0#
125 23.4 7.3 10.9#





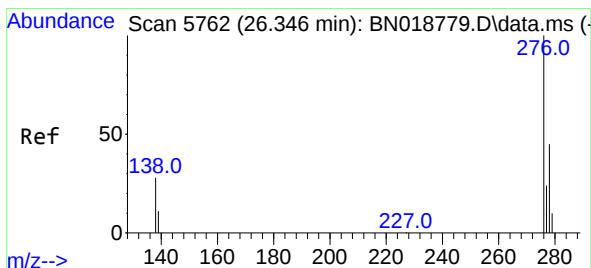
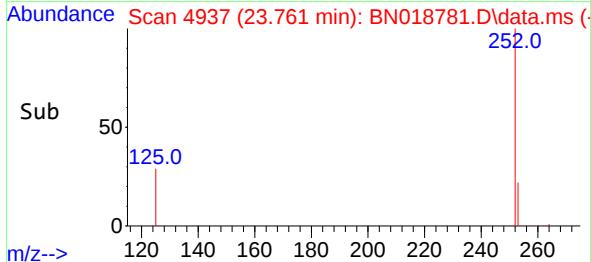
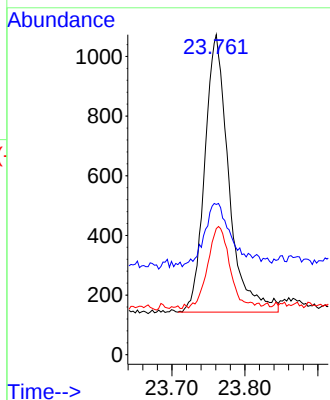
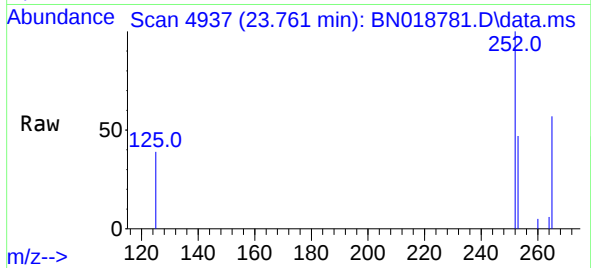
#26
Benzo(a)pyrene
Concen: 0.066 ng/ul
RT: 23.761 min Scan# 4937
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion:252 Resp: 213
Ion Ratio Lower Upper
252 100
253 47.0 18.9 28.3#
125 39.4 8.2 12.2#

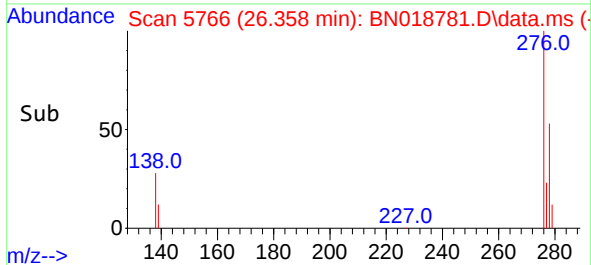
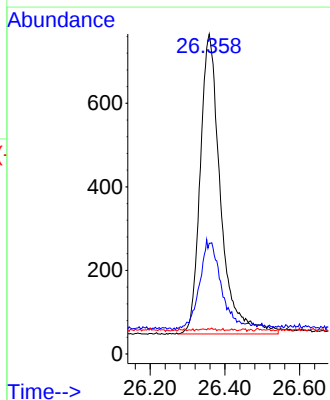
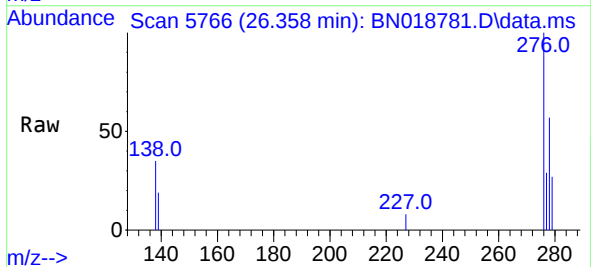
Manual Integrations
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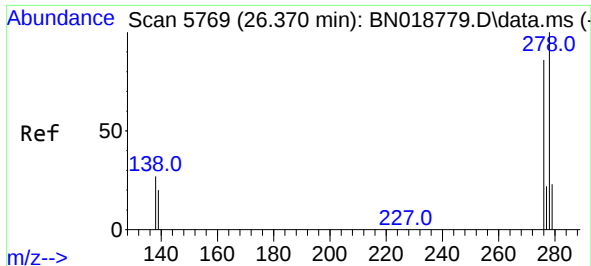
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.065 ng/ul
RT: 26.358 min Scan# 5766
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

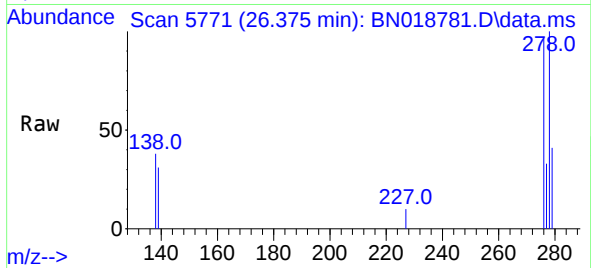
Tgt Ion:276 Resp: 2704
Ion Ratio Lower Upper
276 100
138 32.4 16.5 24.7#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.063 ng/ul
RT: 26.375 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09

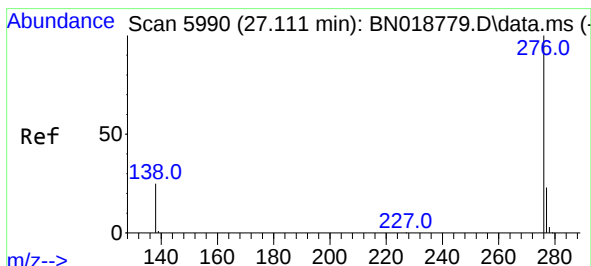
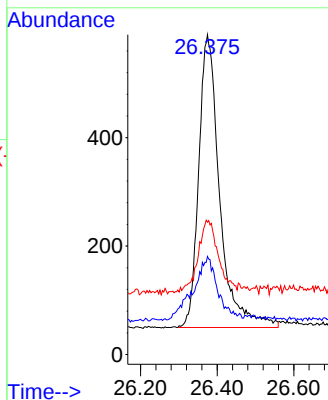
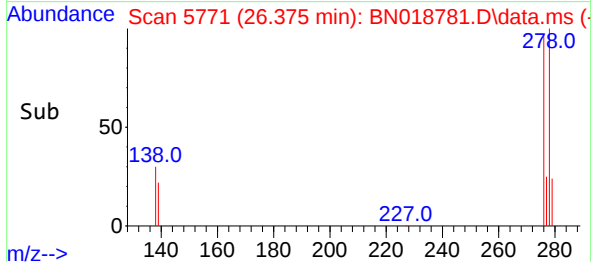
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2022-01



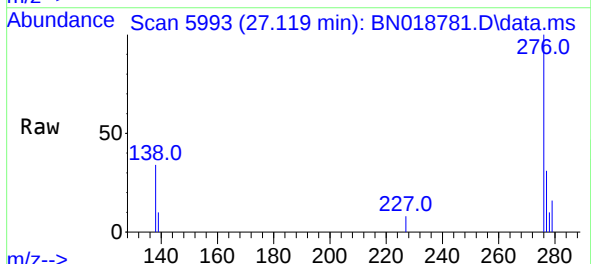
Tgt Ion:278 Resp: 2050
Ion Ratio Lower Upper
278 100
139 30.7 11.9 17.9#
279 41.4 19.5 29.3#

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#29
Benzo(g,h,i)perylene
Concen: 0.070 ng/ul
RT: 27.119 min Scan# 5993
Delta R.T. -0.003 min
Lab File: BN018781.D
Acq: 01 Mar 2022 12:09



Tgt Ion:276 Resp: 2496
Ion Ratio Lower Upper
276 100
138 33.6 14.4 21.6#
277 30.8 19.2 28.8#

