

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031824\
 Data File : BN030427.D
 Acq On : 18 Mar 2024 12:10
 Operator : MA/JU
 Sample : P1601-02
 Misc : SFAM-SIM-MDL -WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT1-2024-02

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/18/2024
 Supervised By :mohammad ahmed 03/19/2024

Quant Time: Mar 18 12:56:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN031524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 01:04:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	2281	0.400	ng/ul	0.00
4) Naphthalene-d8	10.381	136	5333	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.252	164	3213	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.015	188	5653	0.400	ng/ul	0.00
17) Chrysene-d12	21.222	240	5232	0.400	ng/ul	0.00
23) Perylene-d12	23.429	264	6066	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.155	96	1228	0.442	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.987	152	2631	0.357	ng/ul	0.00
18) Fluoranthene-d10	19.054	212	6945	0.431	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.189	88	245m	0.081	ng/ul	
5) Naphthalene	10.431	128	974	0.068	ng/ul#	82
7) 2-Methylnaphthalene	12.058	142	511	0.061	ng/ul#	100
8) 1-Methylnaphthalene	12.278	142	596	0.067	ng/ul#	26
10) Acenaphthylene	13.975	152	1083	0.071	ng/ul#	87
11) Acenaphthene	14.317	153	798	0.071	ng/ul	94
12) Fluorene	15.326	166	837	0.068	ng/ul#	93
14) Pentachlorophenol	16.673	266	143	0.088	ng/ul#	100
15) Phenanthrene	17.057	178	1210	0.073	ng/ul#	85
16) Anthracene	17.159	178	918	0.060	ng/ul#	76
19) Fluoranthene	19.082	202	1497	0.072	ng/ul#	84
20) Pyrene	19.449	202	1614	0.073	ng/ul#	90
21) Benzo(a)anthracene	21.208	228	1075	0.061	ng/ul#	89
22) Chrysene	21.257	228	1365	0.068	ng/ul	94
24) Benzo(b)fluoranthene	22.774	252	1270	0.062	ng/ul#	38
25) Benzo(k)fluoranthene	22.818	252	1655	0.067	ng/ul#	34
26) Benzo(a)pyrene	23.338	252	1538	0.072	ng/ul#	26
27) Indeno(1,2,3-cd)pyrene	25.662	276	1724	0.061	ng/ul#	69
28) Dibenzo(a,h)anthracene	25.682	278	1250	0.058	ng/ul#	9
29) Benzo(g,h,i)perylene	26.323	276	1646	0.065	ng/ul#	79

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

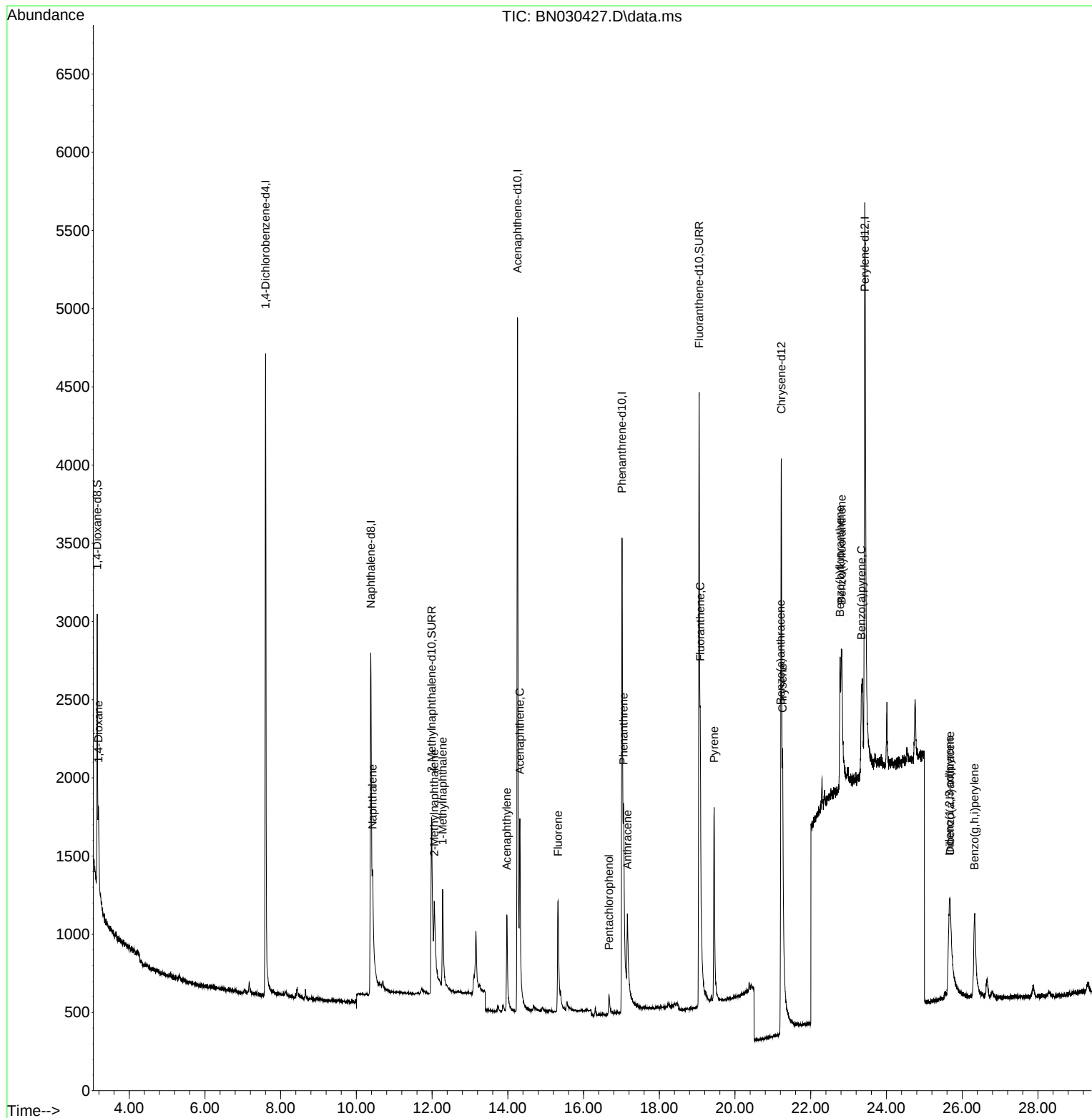
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031824\
Data File : BN030427.D
Acq On : 18 Mar 2024 12:10
Operator : MA/JU
Sample : P1601-02
Misc : SFAM-SIM-MDL -WATER-02
ALS Vial : 4 Sample Multiplier: 1

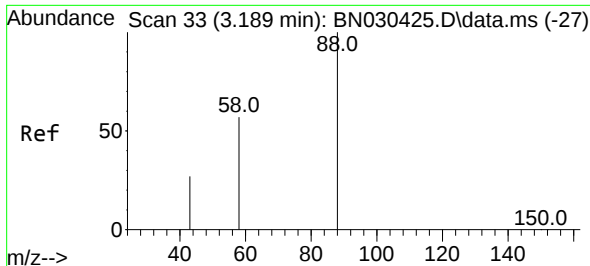
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02

Quant Time: Mar 18 12:56:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN031524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 15 01:04:41 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

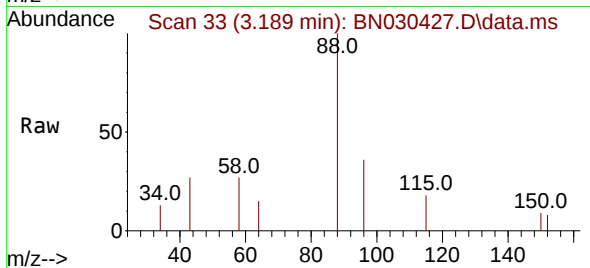
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024





#2
1,4-Dioxane
Concen: 0.081 ng/ul m
RT: 3.189 min Scan# 31
Delta R.T. 0.002 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

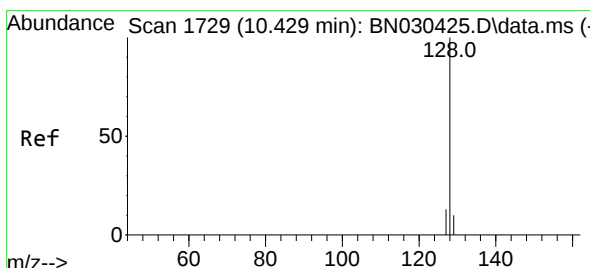
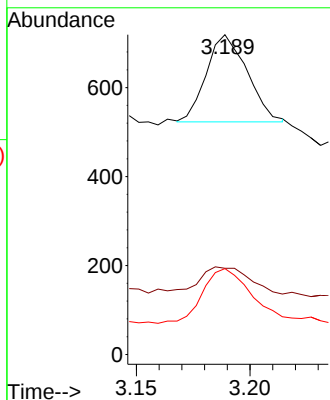
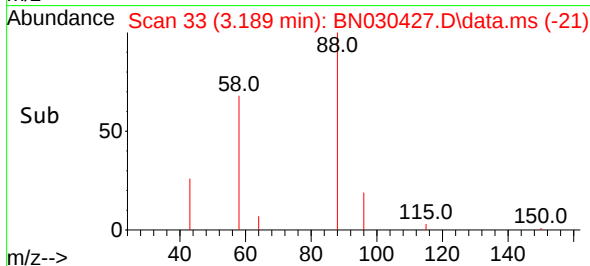
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion: 88 Resp: 249
Ion Ratio Lower Upper
88 100
43 27.0 24.7 37.1
58 26.8 36.6 54.8

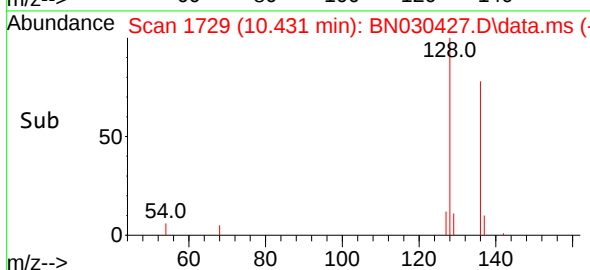
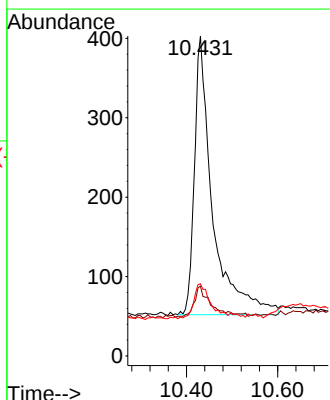
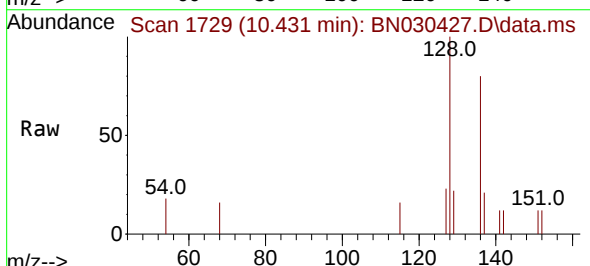
Manual Integrations
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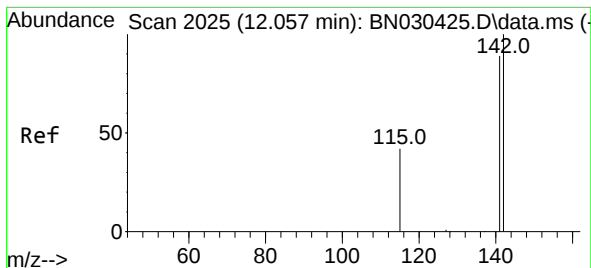
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.431 min Scan# 1729
Delta R.T. 0.004 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

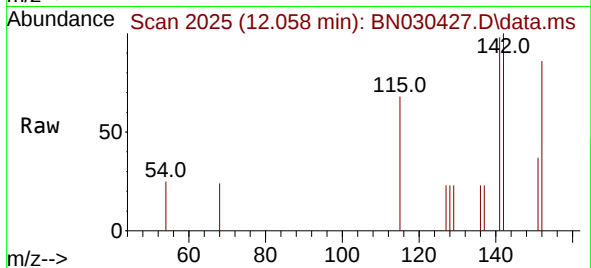
Tgt Ion:128 Resp: 974
Ion Ratio Lower Upper
128 100
129 21.8 10.5 15.7#
127 22.6 13.0 19.4#





#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.058 min Scan# 2025
Delta R.T. 0.004 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

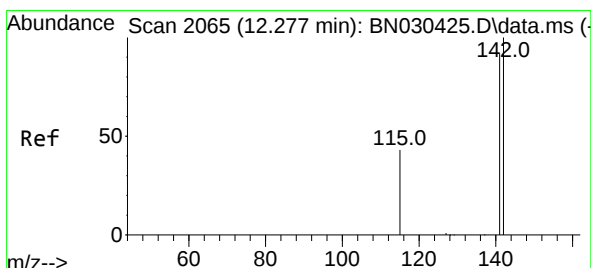
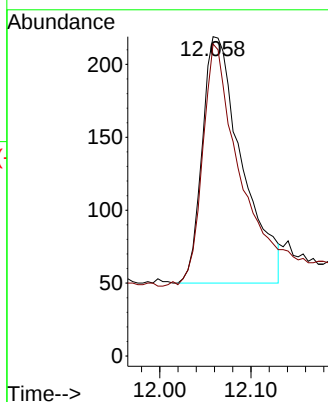
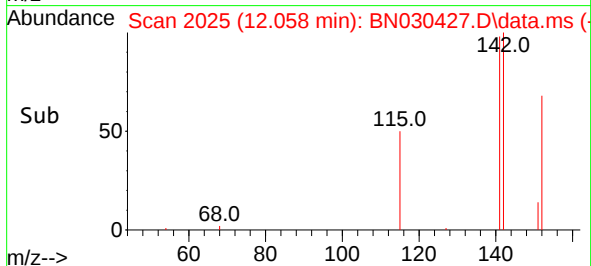
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



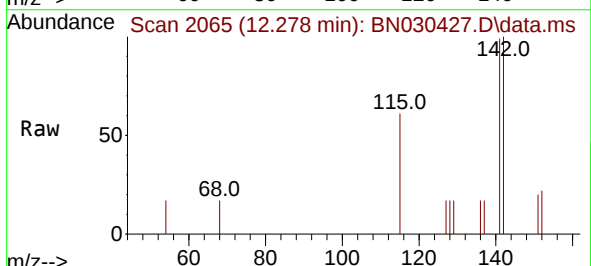
Tgt Ion:142 Resp: 51
Ion Ratio Lower Upper
142 100
141 92.2 0.0 0.0

Manual Integrations
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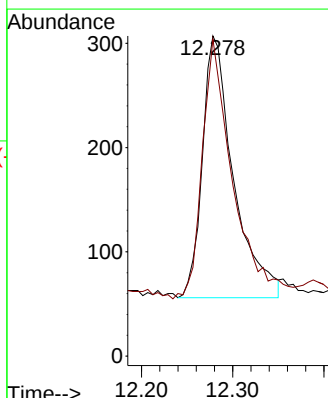
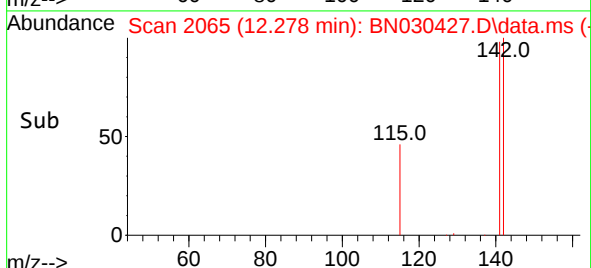
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024

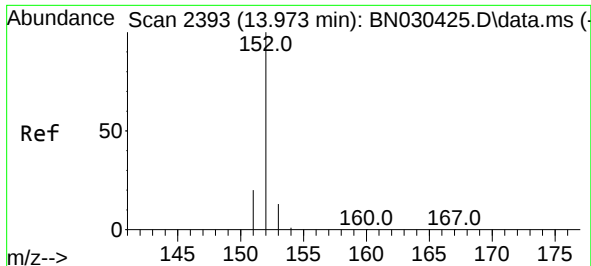


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.278 min Scan# 2065
Delta R.T. 0.004 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10



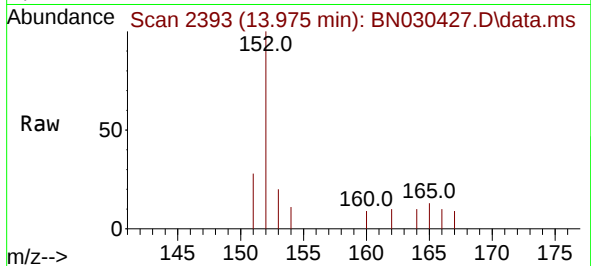
Tgt Ion:142 Resp: 596
Ion Ratio Lower Upper
142 100
141 95.6 0.2 0.2





#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 13.975 min Scan# 2108
Delta R.T. -0.002 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

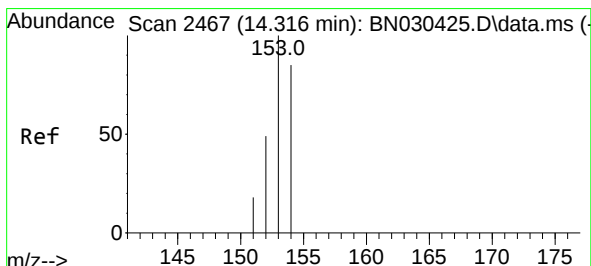
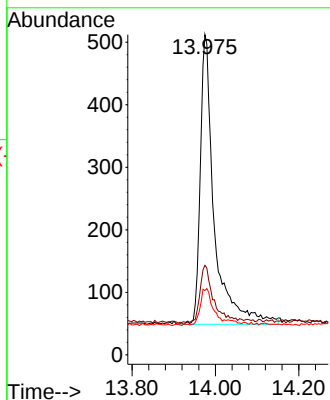
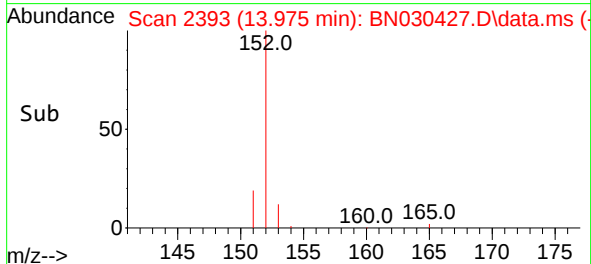
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:152 Resp: 1083
Ion Ratio Lower Upper
152 100
151 27.9 17.1 25.7
153 20.1 12.2 18.2

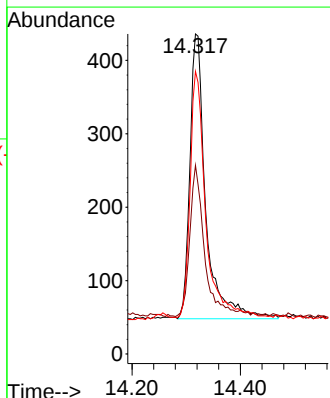
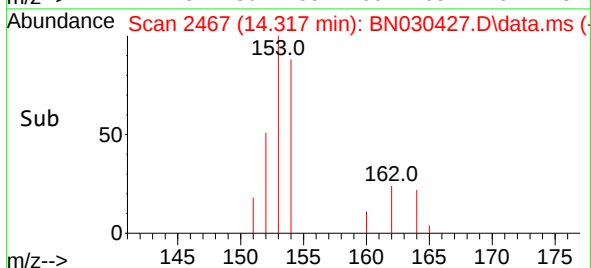
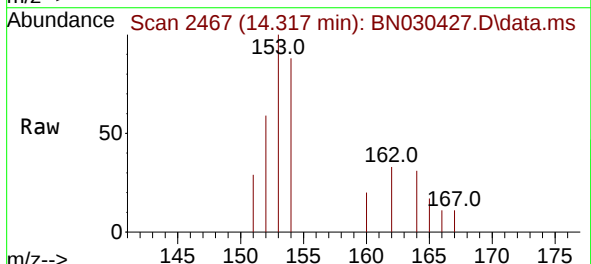
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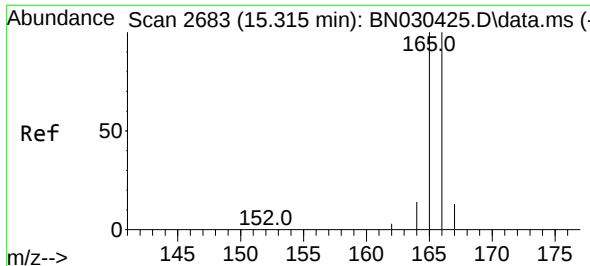
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#11
Acenaphthene
Concen: 0.071 ng/ul
RT: 14.317 min Scan# 2467
Delta R.T. -0.002 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

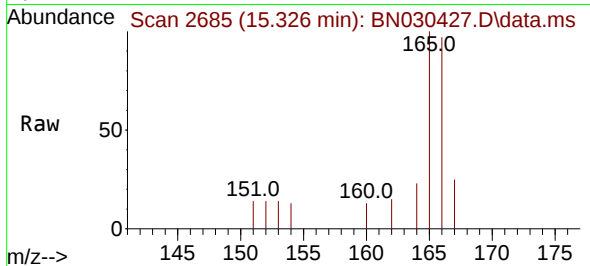
Tgt Ion:153 Resp: 798
Ion Ratio Lower Upper
153 100
152 58.9 40.2 60.2
154 88.3 69.0 103.4





#12
Fluorene
Concen: 0.068 ng/ul
RT: 15.326 min Scan# 2085
Delta R.T. 0.008 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

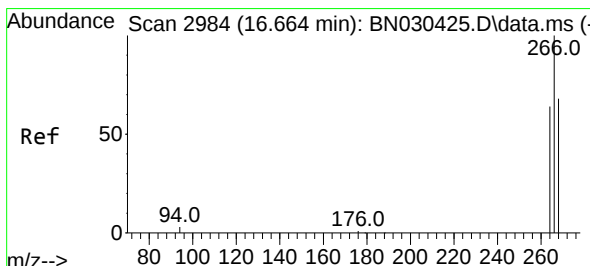
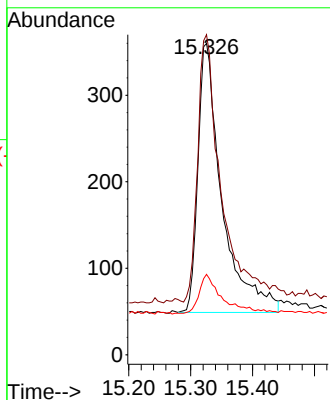
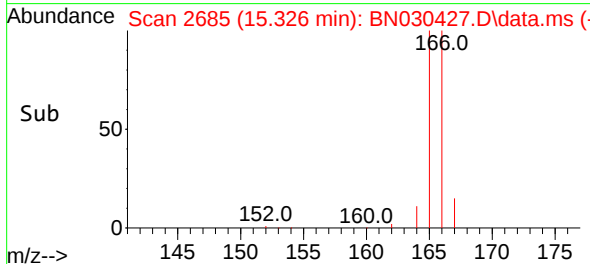
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:166 Resp: 83
Ion Ratio Lower Upper
166 100
165 102.8 78.5 117.7
167 25.8 12.7 19.1

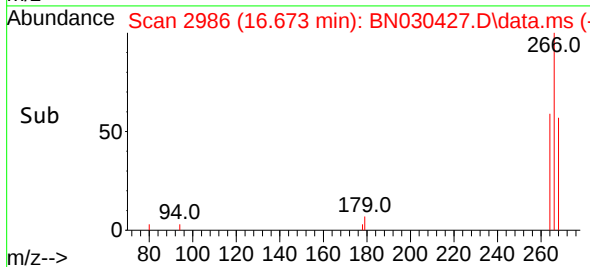
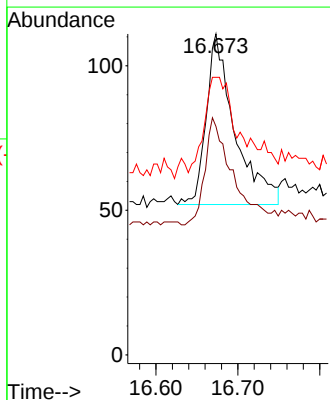
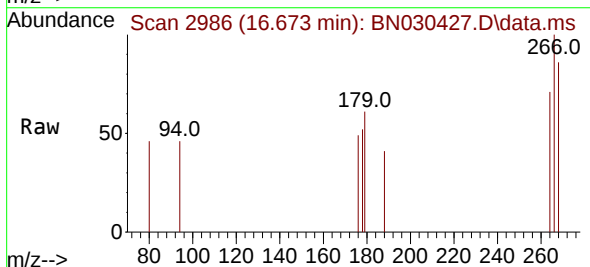
Manual Integrations
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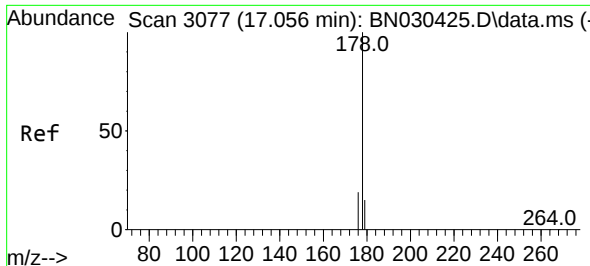
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#14
Pentachlorophenol
Concen: 0.088 ng/ul
RT: 16.673 min Scan# 2986
Delta R.T. 0.007 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

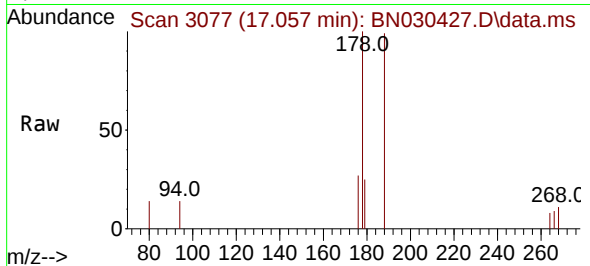
Tgt Ion:266 Resp: 143
Ion Ratio Lower Upper
266 100
264 62.2 0.0 0.0#
268 69.2 0.0 0.0#





#15
Phenanthrene
Concen: 0.073 ng/ul
RT: 17.057 min Scan# 3077
Delta R.T. 0.002 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

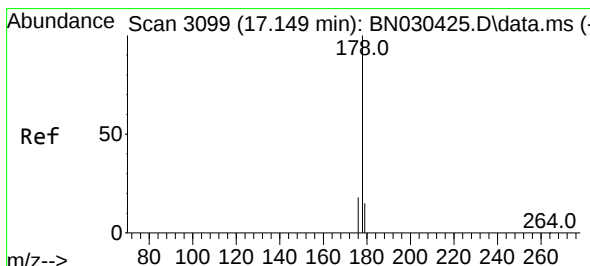
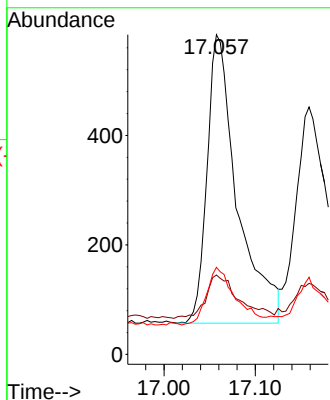
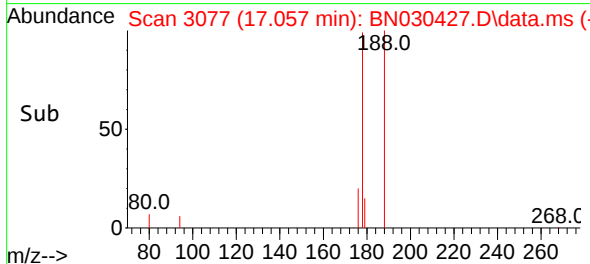
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:178 Resp: 1210
Ion Ratio Lower Upper
178 100
179 24.8 14.2 21.4#
176 27.2 16.8 25.2#

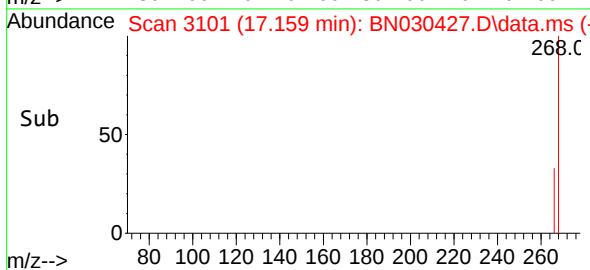
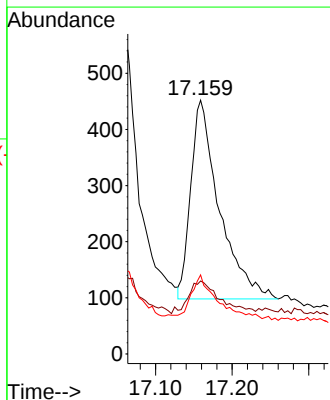
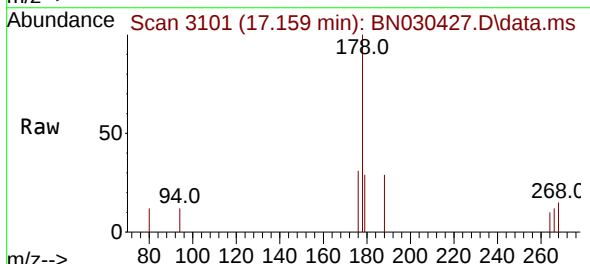
Manual Integrations
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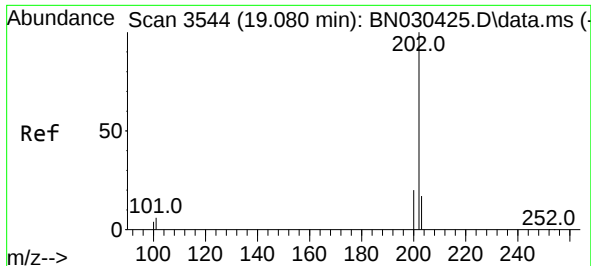
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#16
Anthracene
Concen: 0.060 ng/ul
RT: 17.159 min Scan# 3101
Delta R.T. 0.007 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

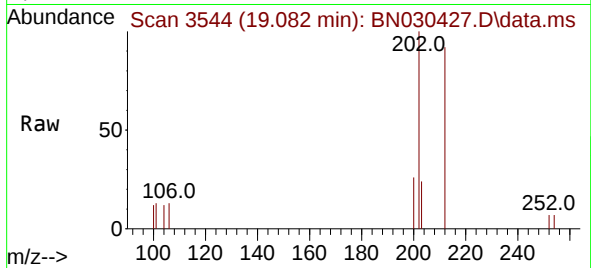
Tgt Ion:178 Resp: 918
Ion Ratio Lower Upper
178 100
179 28.8 14.4 21.6#
176 31.2 16.5 24.7#





#19
Fluoranthene
Concen: 0.072 ng/u1
RT: 19.082 min Scan# 3544
Delta R.T. 0.003 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

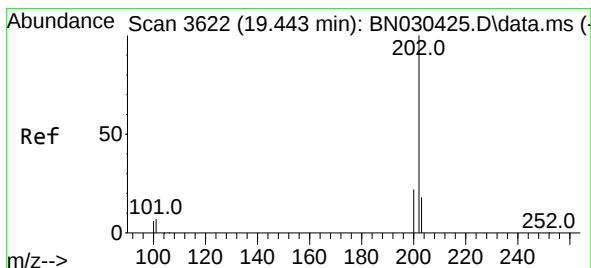
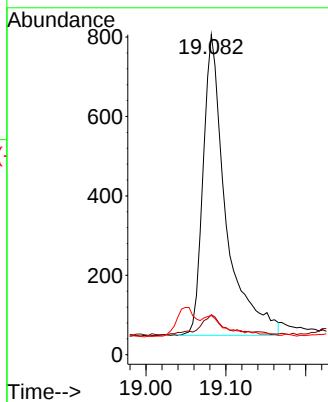
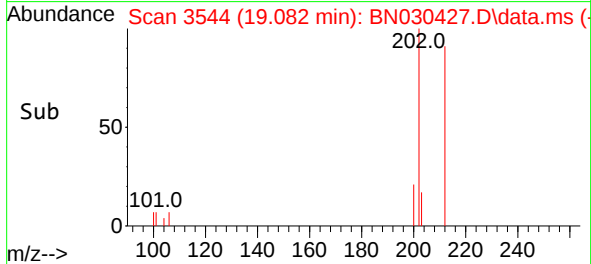
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:202 Resp: 1497
Ion Ratio Lower Upper
202 100
101 12.5 5.8 8.8#
100 12.3 5.2 7.8#

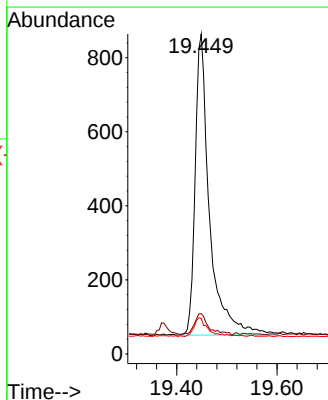
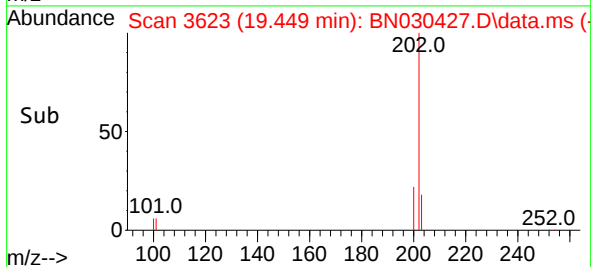
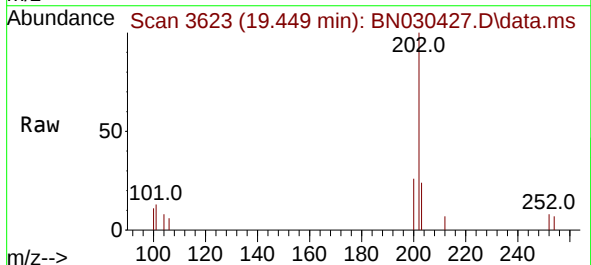
Manual Integrations
APPROVED

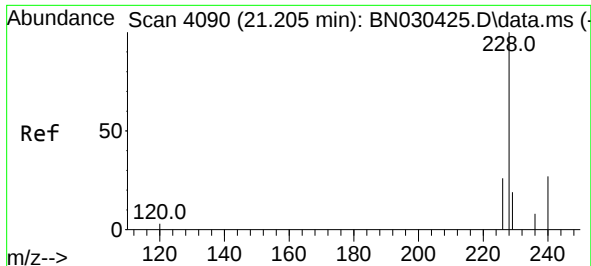
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#20
Pyrene
Concen: 0.073 ng/u1
RT: 19.449 min Scan# 3623
Delta R.T. 0.008 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

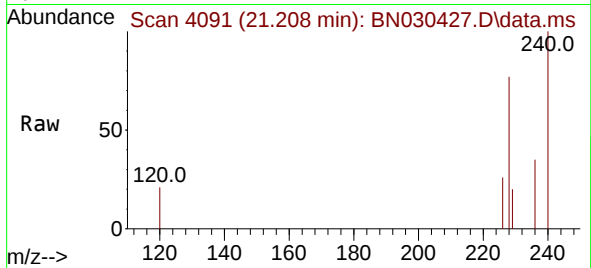
Tgt Ion:202 Resp: 1614
Ion Ratio Lower Upper
202 100
101 12.6 7.0 10.6#
100 11.1 6.2 9.4#





#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 21.208 min Scan# 4091
Delta R.T. 0.007 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

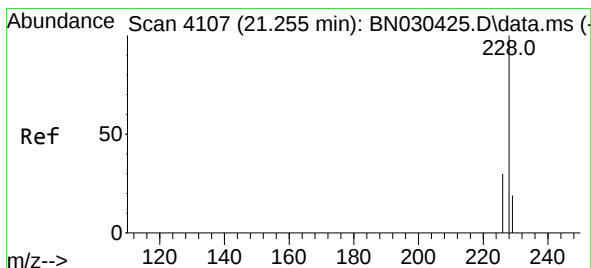
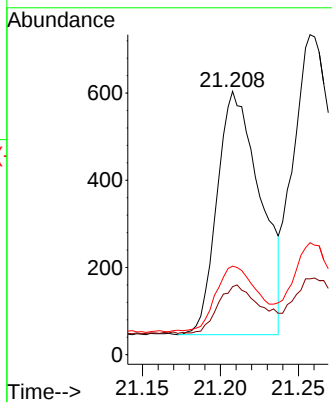
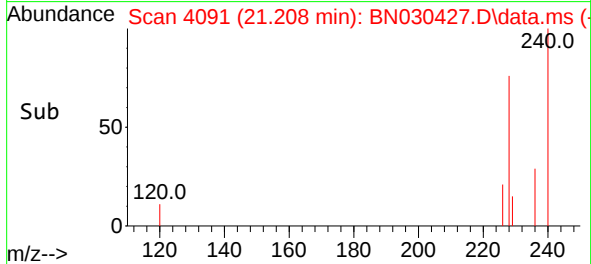
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT1-2024-02



Tgt Ion:228 Resp: 1075
Ion Ratio Lower Upper
228 100
229 25.8 16.4 24.6
226 33.6 22.7 34.1

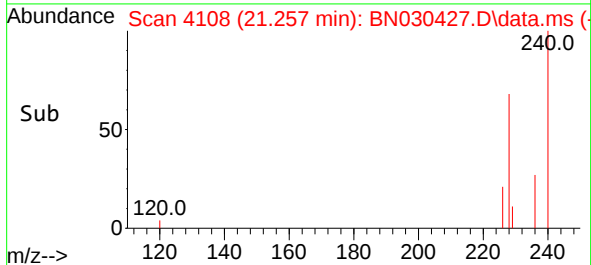
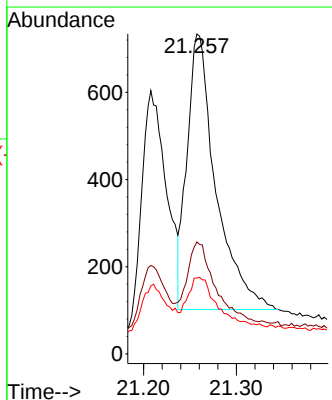
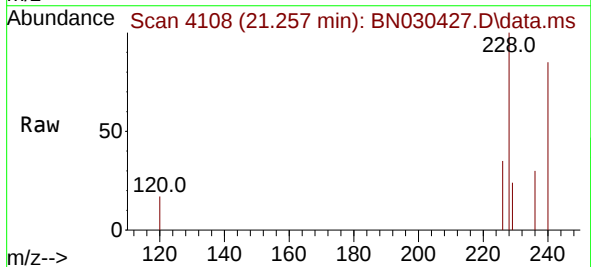
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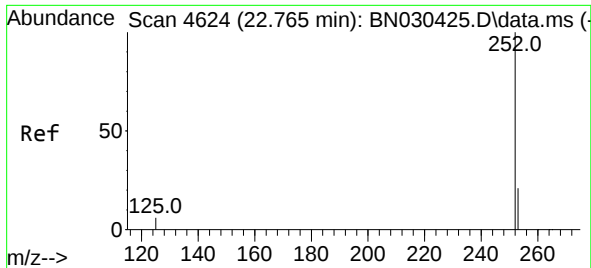
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#22
Chrysene
Concen: 0.068 ng/ul
RT: 21.257 min Scan# 4108
Delta R.T. 0.007 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

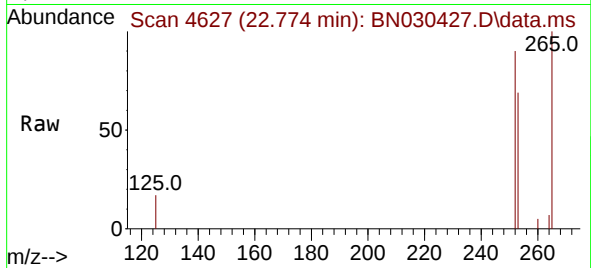
Tgt Ion:228 Resp: 1365
Ion Ratio Lower Upper
228 100
226 35.0 25.6 38.4
229 23.7 16.6 25.0





#24
Benzo(b)fluoranthene
Concen: 0.062 ng/ul
RT: 22.774 min Scan# 4624
Delta R.T. 0.010 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

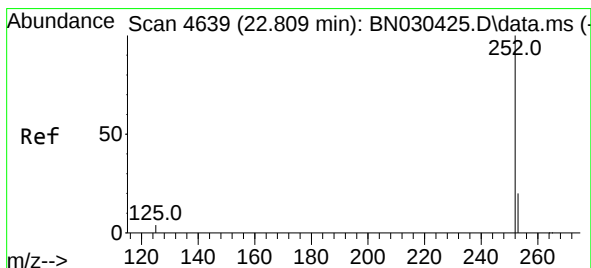
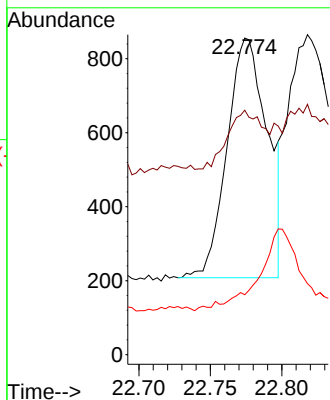
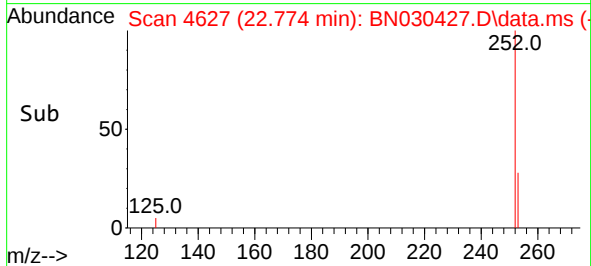
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



Tgt Ion:252 Resp: 1270
Ion Ratio Lower Upper
252 100
253 77.2 0.0 71.4#
125 18.9 0.0 18.6#

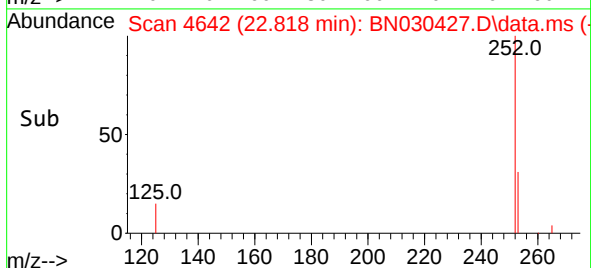
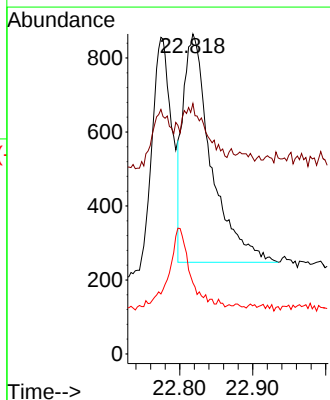
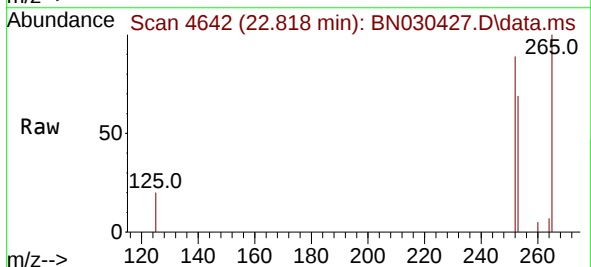
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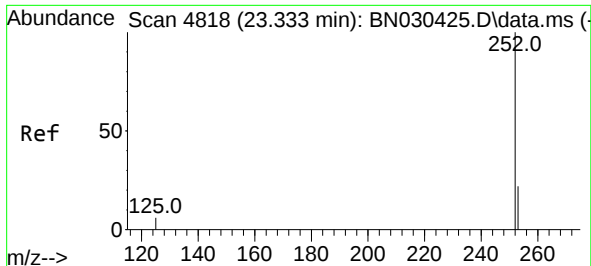
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#25
Benzo(k)fluoranthene
Concen: 0.067 ng/ul
RT: 22.818 min Scan# 4642
Delta R.T. 0.010 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

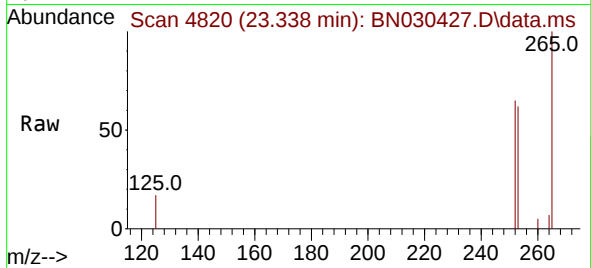
Tgt Ion:252 Resp: 1655
Ion Ratio Lower Upper
252 100
253 78.3 27.7 41.5#
125 22.2 8.0 12.0#





#26
Benzo(a)pyrene
Concen: 0.072 ng/ul
RT: 23.338 min Scan# 4818
Delta R.T. 0.010 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

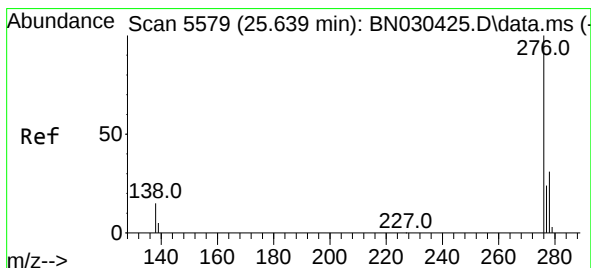
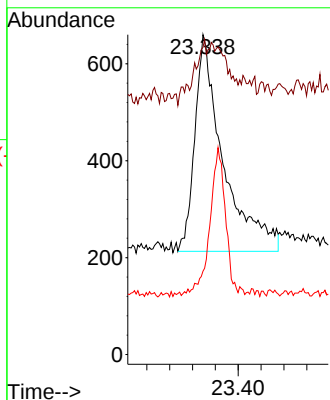
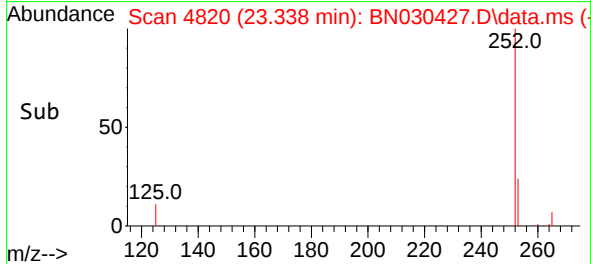
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



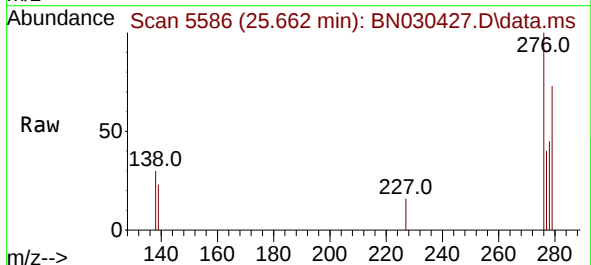
Tgt Ion:252 Resp: 1538
Ion Ratio Lower Upper
252 100
253 96.1 34.4 51.6#
125 26.1 9.0 13.4#

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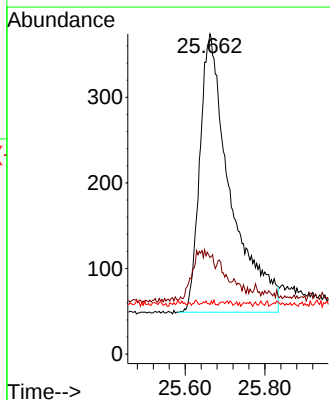
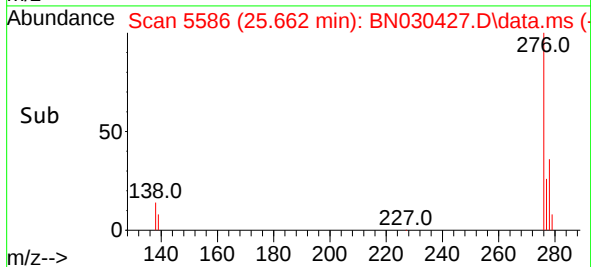
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024

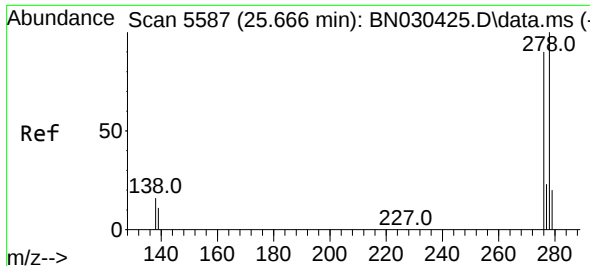


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.061 ng/ul
RT: 25.662 min Scan# 5586
Delta R.T. 0.025 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10



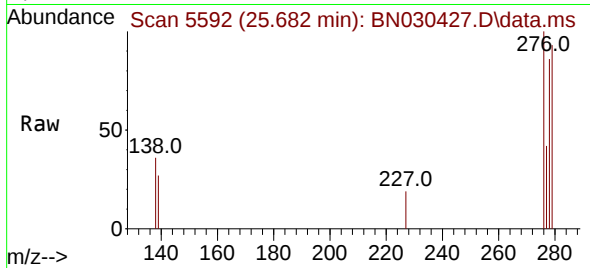
Tgt Ion:276 Resp: 1724
Ion Ratio Lower Upper
276 100
138 0.0 9.8 14.6#
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 25.682 min Scan# 5592
Delta R.T. 0.021 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10

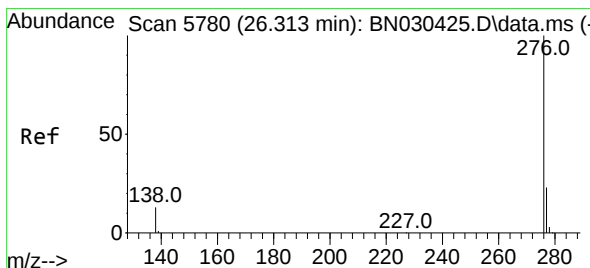
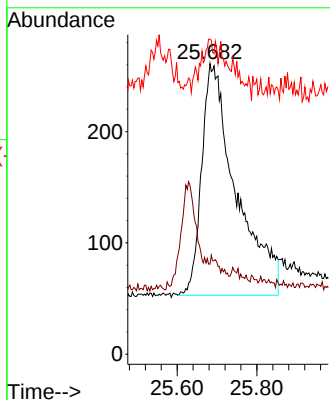
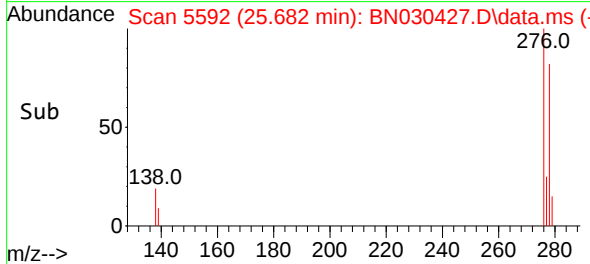
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2024-02



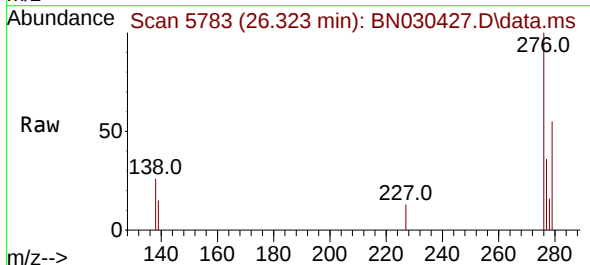
Tgt Ion:278 Resp: 1250
Ion Ratio Lower Upper
278 100
139 31.0 12.2 18.2#
279 108.4 31.8 47.6#

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Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#29
Benzo(g,h,i)perylene
Concen: 0.065 ng/ul
RT: 26.323 min Scan# 5783
Delta R.T. 0.015 min
Lab File: BN030427.D
Acq: 18 Mar 2024 12:10



Tgt Ion:276 Resp: 1646
Ion Ratio Lower Upper
276 100
138 26.3 13.4 20.2#
277 36.4 20.6 31.0#

