

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051824\
 Data File : BN031558.D
 Acq On : 17 May 2024 09:46
 Operator : MA/JU
 Sample : P2409-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 17 11:43:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN051624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 12:57:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	13508	0.400	ng/ul	0.00
4) Naphthalene-d8	10.480	136	42506	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.331	164	21681	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.074	188	47732	0.400	ng/ul	0.00
17) Chrysene-d12	21.260	240	31534	0.400	ng/ul	0.00
23) Perylene-d12	23.493	264	28500	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.207	96	6532	0.401	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.069	152	22435	0.373	ng/ul	0.00
18) Fluoranthene-d10	19.105	212	40892	0.467	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	1442m	0.085	ng/ul	
5) Naphthalene	10.529	128	8060	0.071	ng/ul	98
7) 2-Methylnaphthalene	12.146	142	4920	0.069	ng/ul	99
8) 1-Methylnaphthalene	12.366	142	4919	0.065	ng/ul	99
10) Acenaphthylene	14.048	152	6727	0.068	ng/ul	98
11) Acenaphthene	14.395	153	5226	0.070	ng/ul	98
12) Fluorene	15.381	166	5599	0.067	ng/ul	98
14) Pentachlorophenol	16.719	266	467	0.063	ng/ul	97
15) Phenanthrene	17.116	178	9356	0.067	ng/ul	98
16) Anthracene	17.209	178	7370	0.062	ng/ul	97
19) Fluoranthene	19.132	202	9445	0.081	ng/ul	97
20) Pyrene	19.495	202	8931	0.077	ng/ul	96
21) Benzo(a)anthracene	21.242	228	6659	0.061	ng/ul	98
22) Chrysene	21.295	228	7683	0.065	ng/ul	98
24) Benzo(b)fluoranthene	22.820	252	6251	0.060	ng/ul#	73
25) Benzo(k)fluoranthene	22.864	252	7758	0.068	ng/ul#	74
26) Benzo(a)pyrene	23.393	252	5833	0.063	ng/ul#	55
27) Indeno(1,2,3-cd)pyrene	25.752	276	6856	0.064	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.769	278	5283	0.062	ng/ul#	82
29) Benzo(g,h,i)perylene	26.436	276	4961	0.058	ng/ul#	88

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

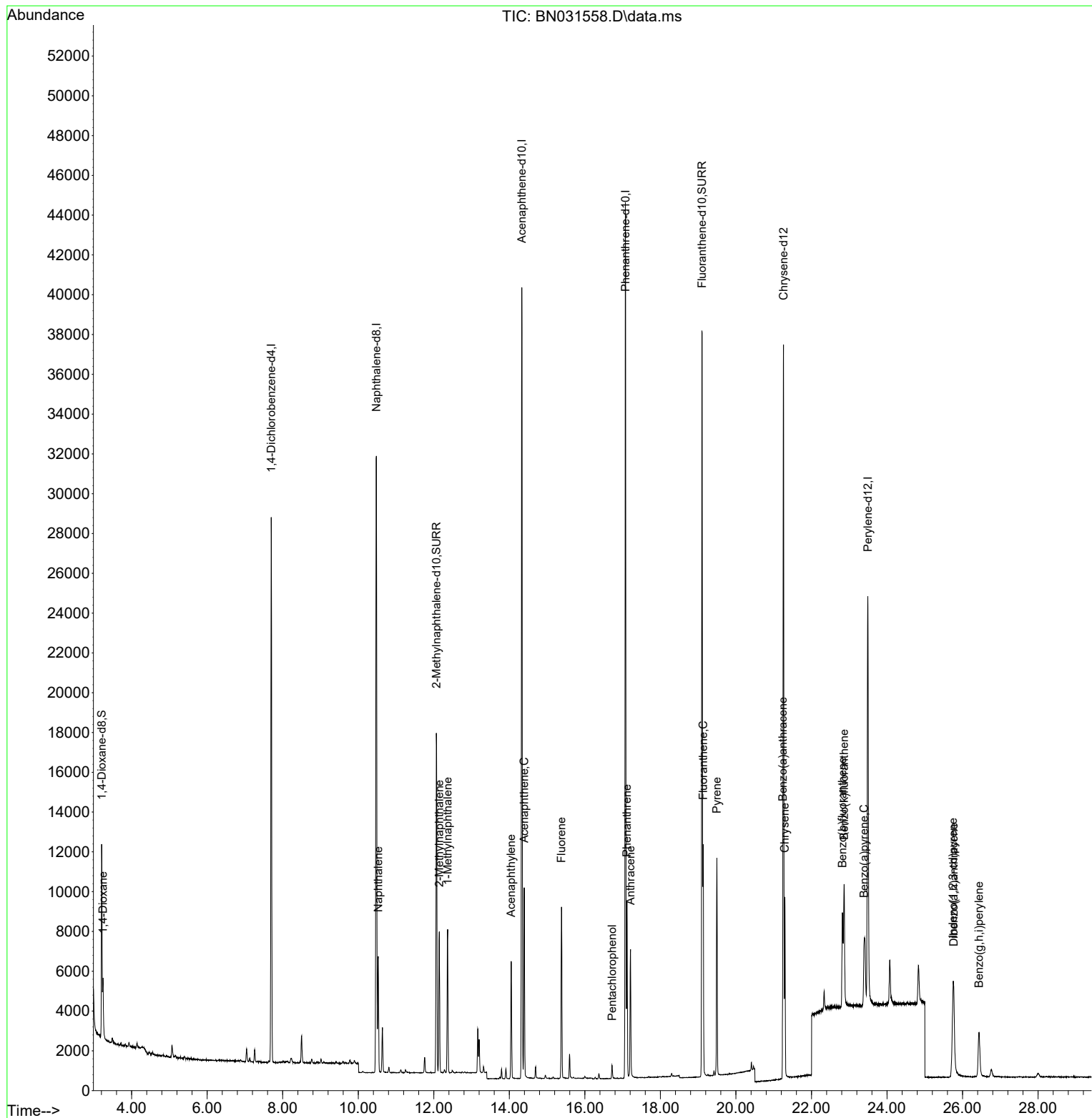
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051824\
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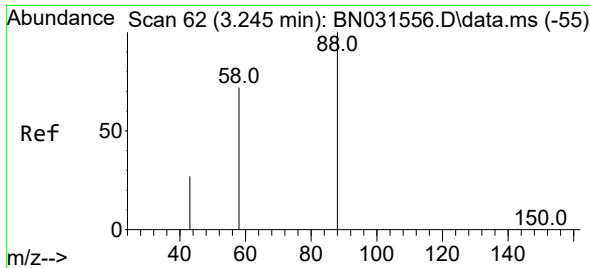
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Quant Time: May 17 11:43:28 2024
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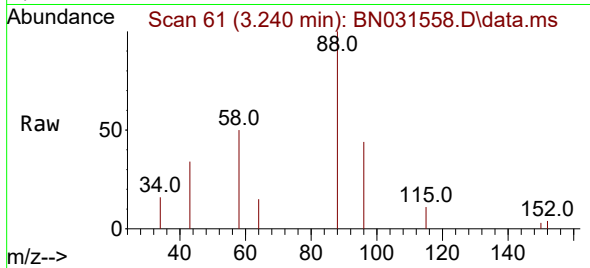
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024





#2
1,4-Dioxane
Concen: 0.085 ng/ul m
RT: 3.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

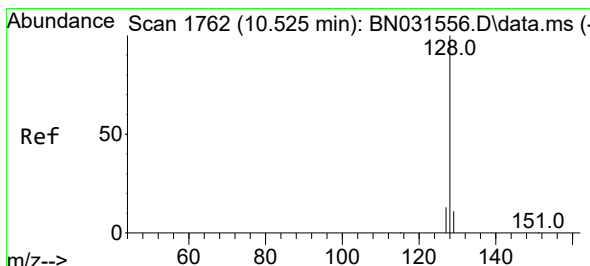
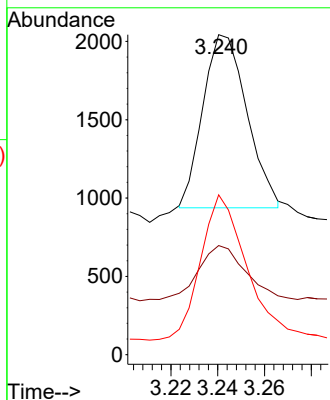
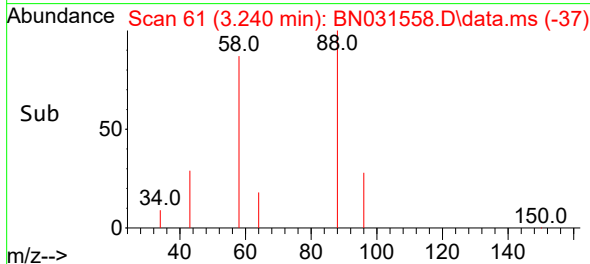
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 34.1 23.3 34.9
58 50.0 53.0 79.4

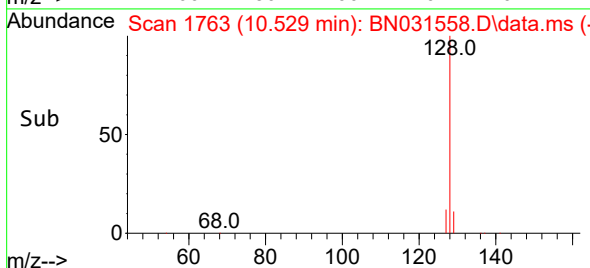
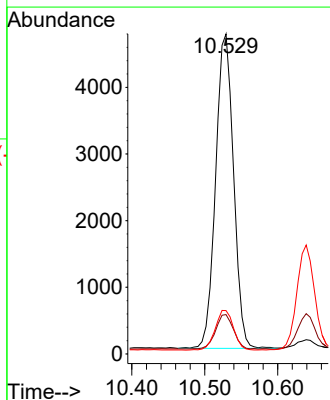
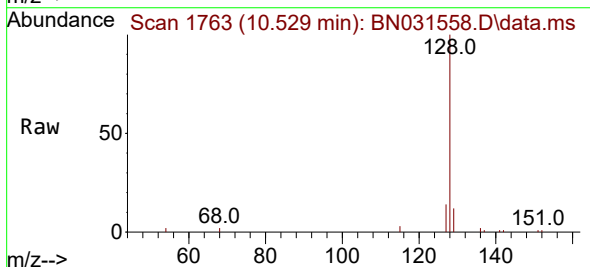
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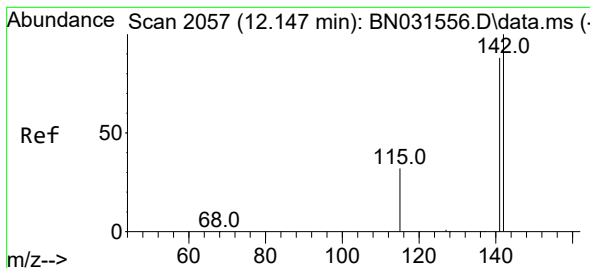
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#5
Naphthalene
Concen: 0.071 ng/ul
RT: 10.529 min Scan# 1763
Delta R.T. -0.001 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

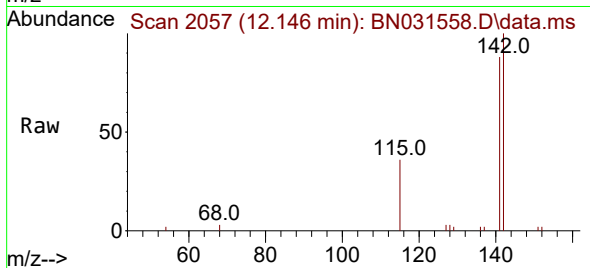
Tgt Ion:128 Resp: 8060
Ion Ratio Lower Upper
128 100
129 12.3 8.7 13.1
127 13.5 10.4 15.6





#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.146 min Scan# 2057
Delta R.T. -0.001 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

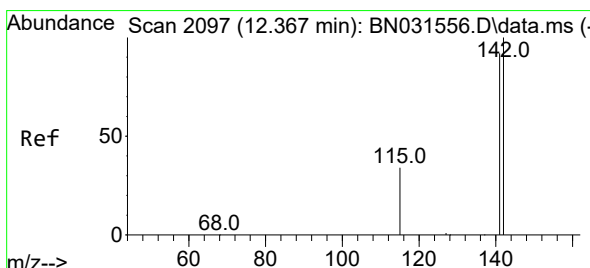
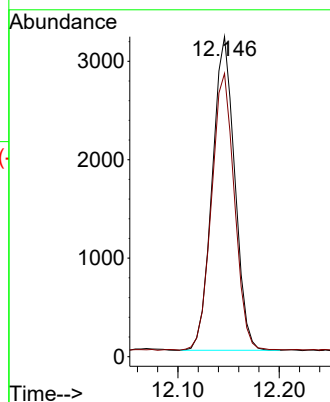
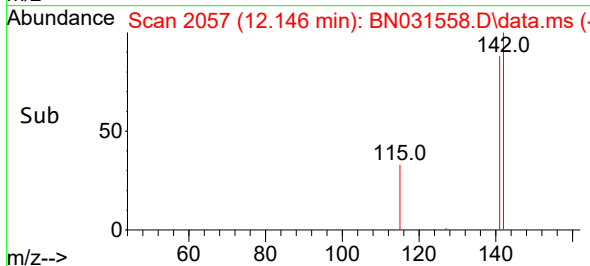
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



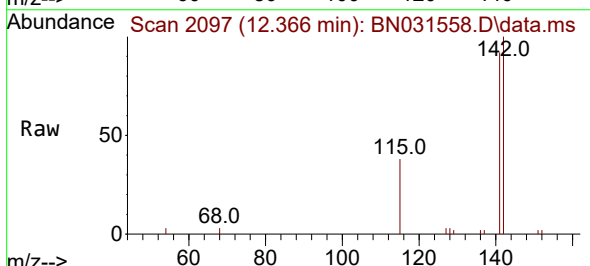
Tgt Ion:142 Resp: 4920
Ion Ratio Lower Upper
142 100
141 89.6 71.0 106.6

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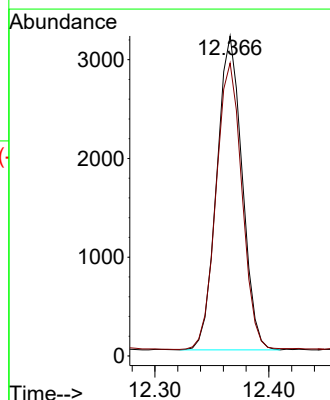
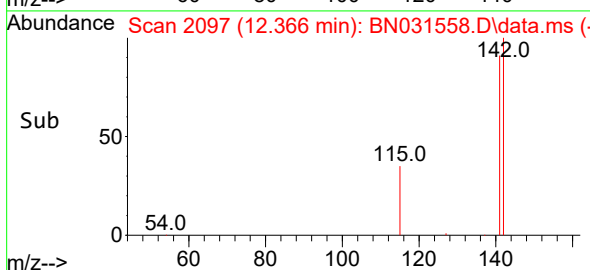
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

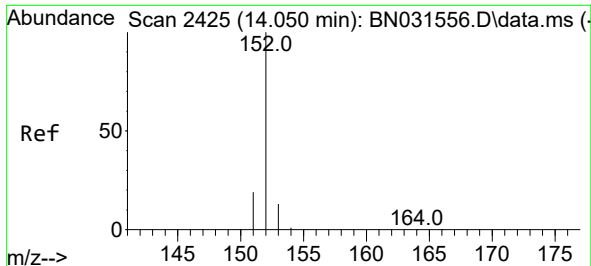


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.366 min Scan# 2097
Delta R.T. -0.007 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46



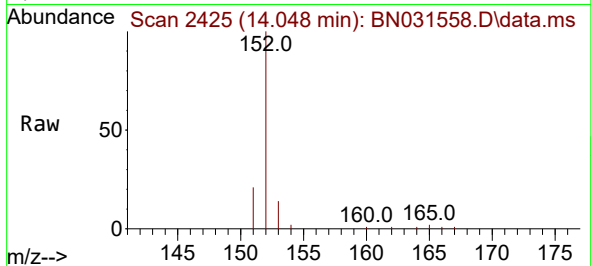
Tgt Ion:142 Resp: 4919
Ion Ratio Lower Upper
142 100
141 92.9 73.4 110.2





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.048 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

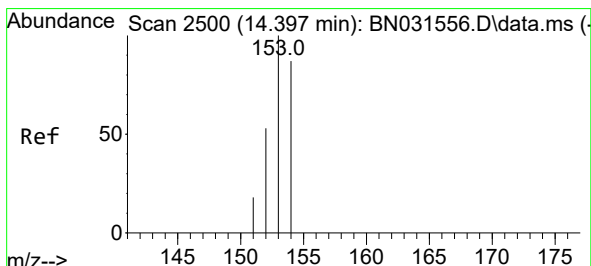
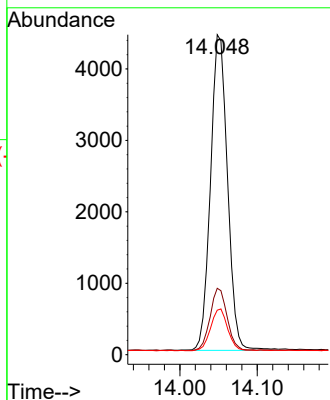
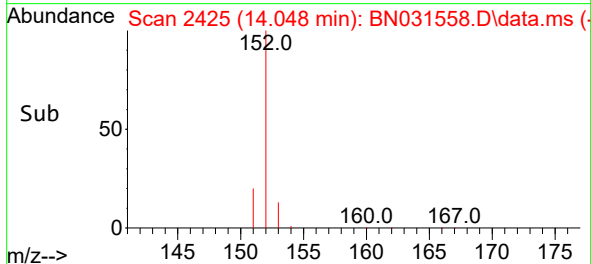
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:152 Resp: 672
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.8
153 13.9 10.5 15.7

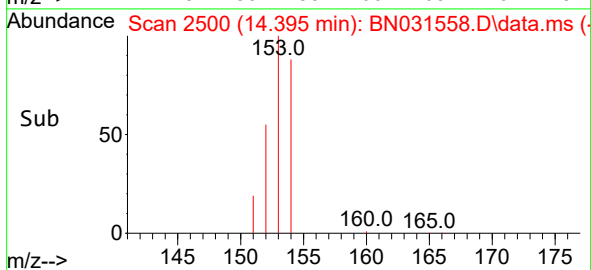
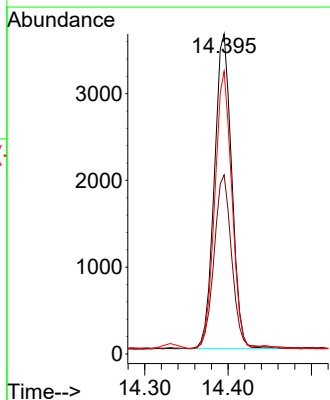
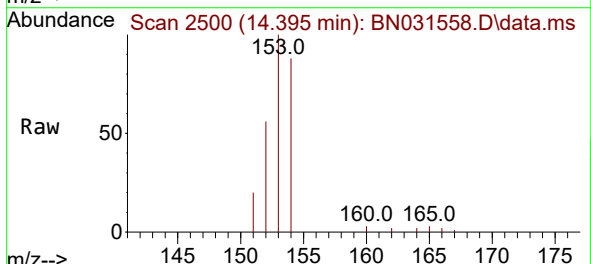
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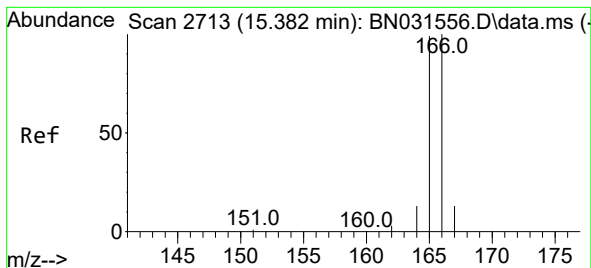
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.395 min Scan# 2500
Delta R.T. -0.001 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

Tgt Ion:153 Resp: 5226
Ion Ratio Lower Upper
153 100
152 56.0 42.6 64.0
154 88.3 70.0 105.0





#12

Fluorene

Concen: 0.067 ng/ul

RT: 15.381 min Scan# 2713

Delta R.T. -0.006 min

Lab File: BN031558.D

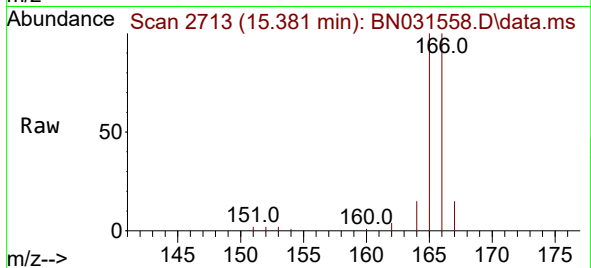
Acq: 17 May 2024 09:46

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT2-2024-04

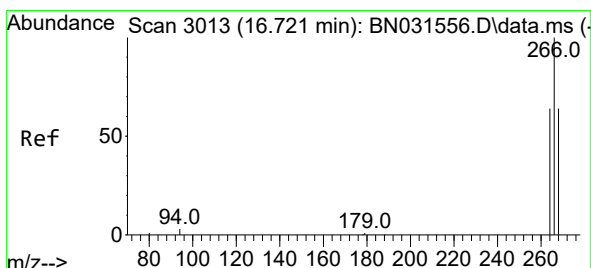
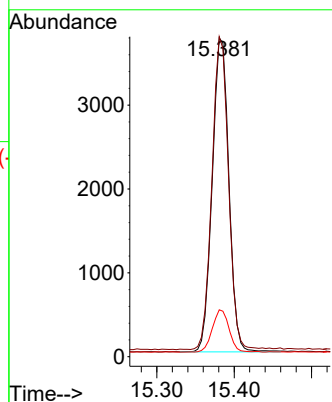


Tgt Ion:	166	Resp:	559
Ion Ratio	Lower	Upper	
166	100		
165	100.4	78.6	117.8
167	14.7	10.9	16.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#14

Pentachlorophenol

Concen: 0.063 ng/ul

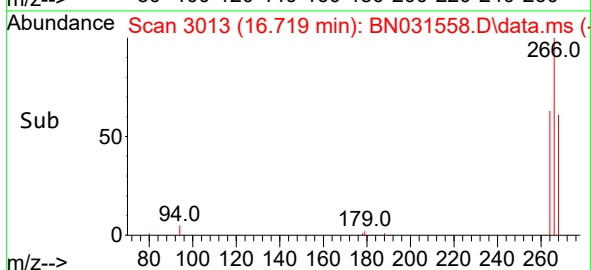
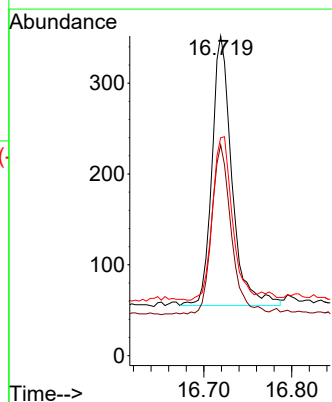
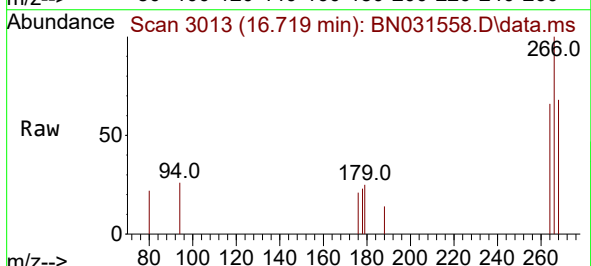
RT: 16.719 min Scan# 3013

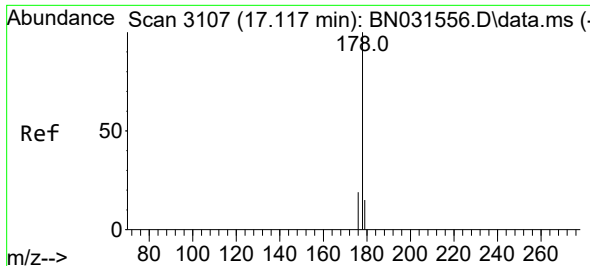
Delta R.T. -0.005 min

Lab File: BN031558.D

Acq: 17 May 2024 09:46

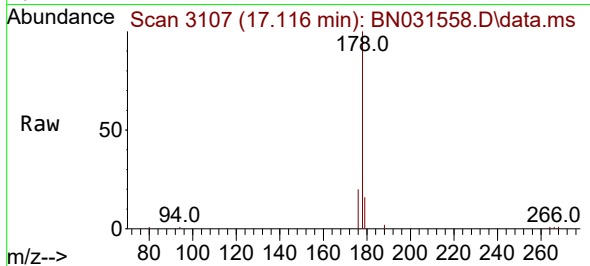
Tgt Ion:	266	Resp:	467
Ion Ratio	Lower	Upper	
266	100		
264	61.0	49.9	74.9
268	60.6	51.1	76.7





#15
Phenanthrene
Concen: 0.067 ng/ul
RT: 17.116 min Scan# 3107
Delta R.T. -0.005 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

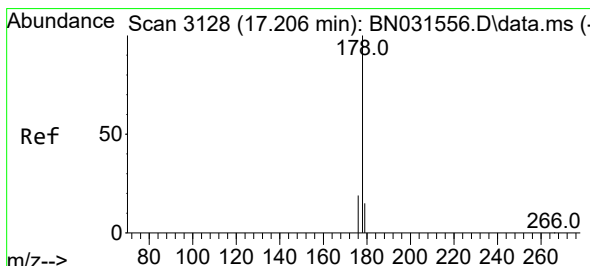
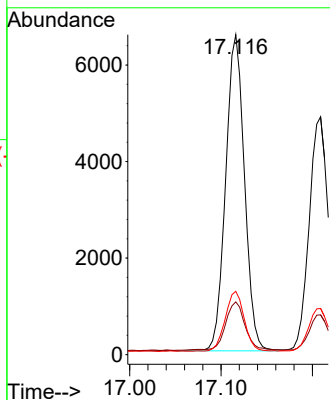
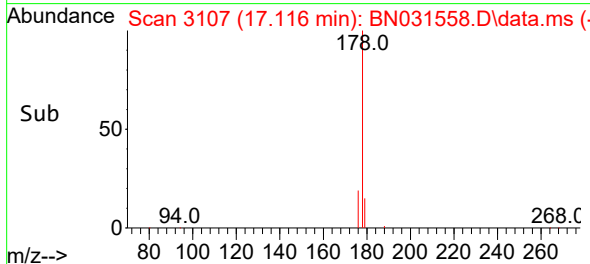
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:178 Resp: 9350
Ion Ratio Lower Upper
178 100
179 16.5 12.2 18.4
176 19.8 15.4 23.0

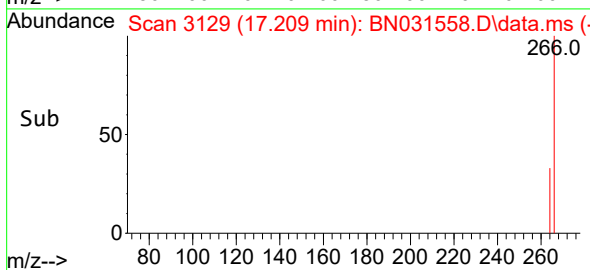
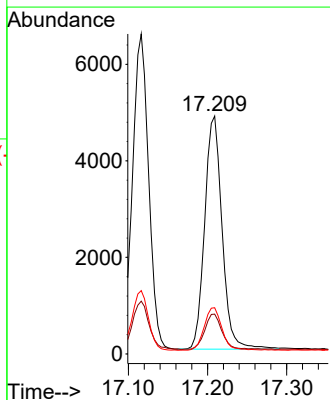
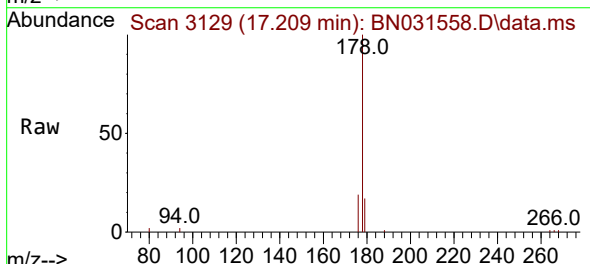
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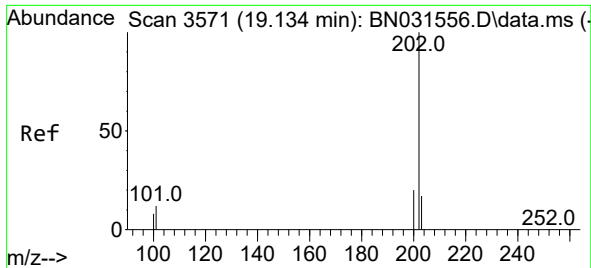
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#16
Anthracene
Concen: 0.062 ng/ul
RT: 17.209 min Scan# 3129
Delta R.T. -0.001 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

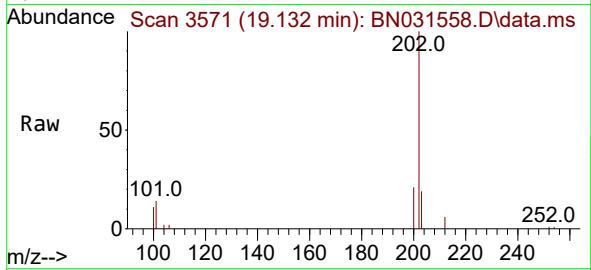
Tgt Ion:178 Resp: 7370
Ion Ratio Lower Upper
178 100
179 16.7 12.2 18.4
176 19.4 14.9 22.3





#19
Fluoranthene
Concen: 0.081 ng/ul
RT: 19.132 min Scan# 3571
Delta R.T. -0.006 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

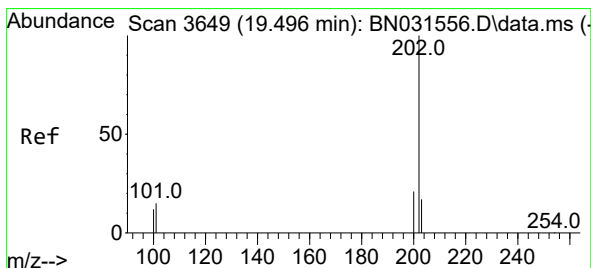
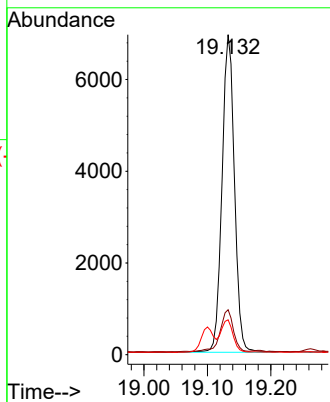
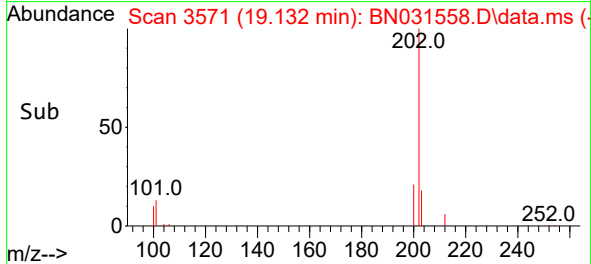
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:202 Resp: 9445
Ion Ratio Lower Upper
202 100
101 14.1 10.2 15.4
100 10.9 7.7 11.5

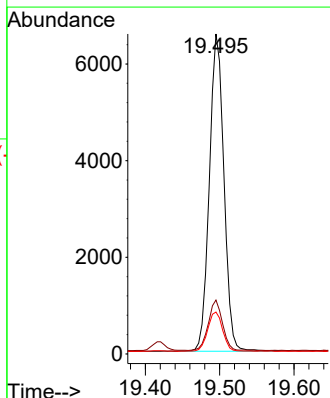
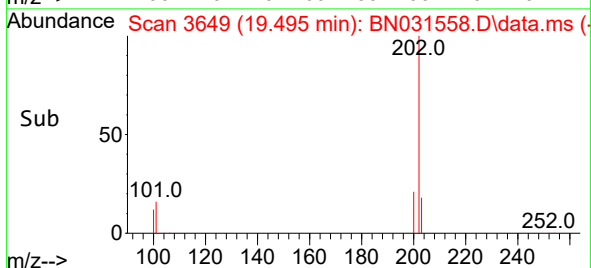
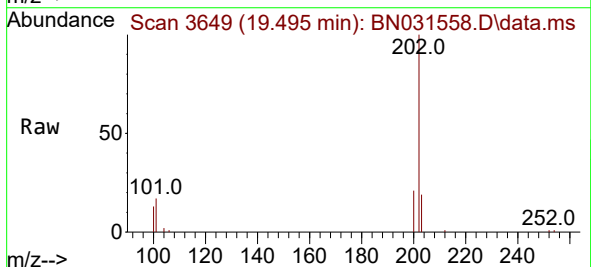
Manual Integrations
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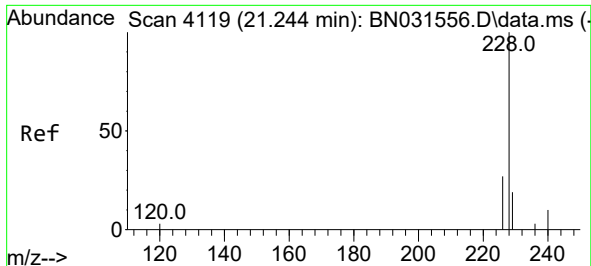
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#20
Pyrene
Concen: 0.077 ng/ul
RT: 19.495 min Scan# 3649
Delta R.T. -0.006 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

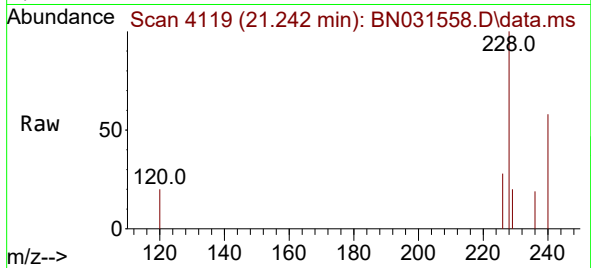
Tgt Ion:202 Resp: 8931
Ion Ratio Lower Upper
202 100
101 16.8 12.0 18.0
100 13.1 9.7 14.5





#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 21.242 min Scan# 4119
Delta R.T. -0.007 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

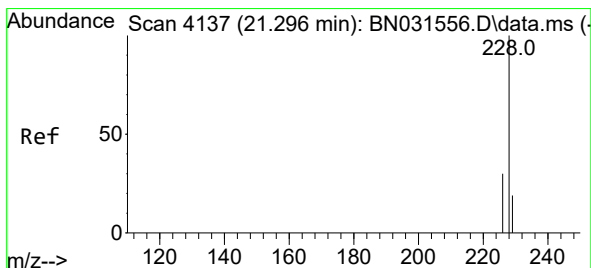
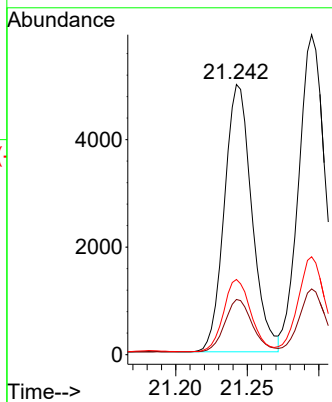
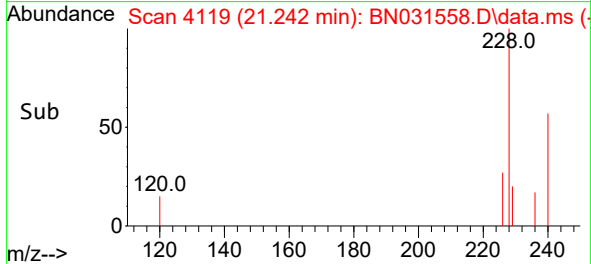
Instrument :
BNA_N
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MDL-WATER-QT2-2024-04



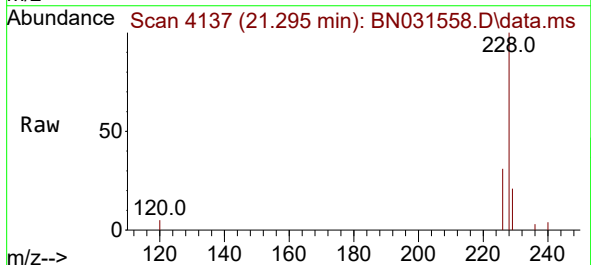
Tgt Ion:228 Resp: 6659
Ion Ratio Lower Upper
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226 27.8 21.5 32.3

Manual Integrations
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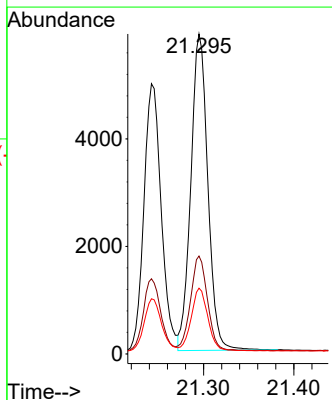
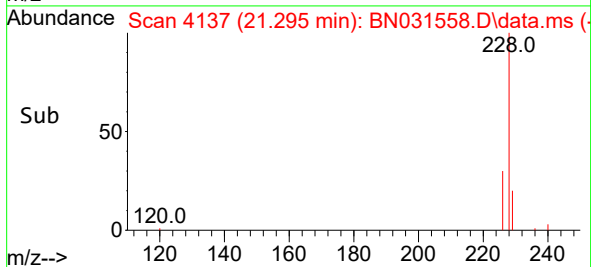
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

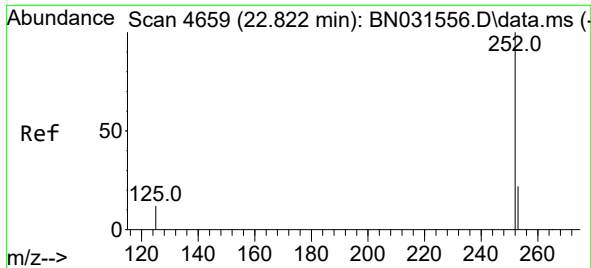


#22
Chrysene
Concen: 0.065 ng/ul
RT: 21.295 min Scan# 4137
Delta R.T. -0.007 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46



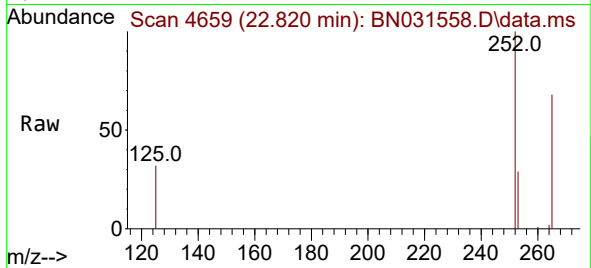
Tgt Ion:228 Resp: 7683
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.8
229 20.5 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 22.820 min Scan# 4659
Delta R.T. -0.007 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

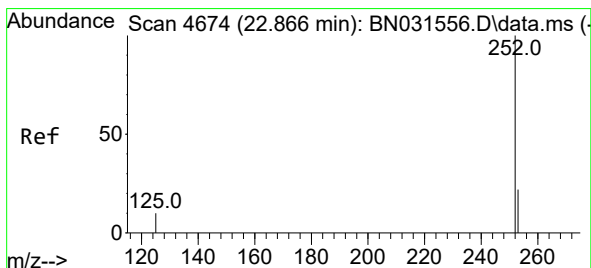
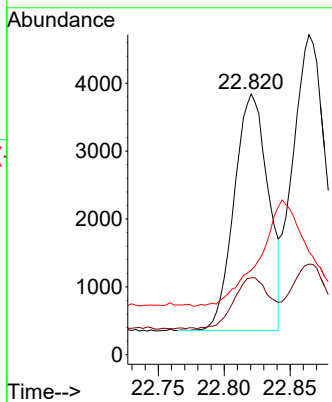
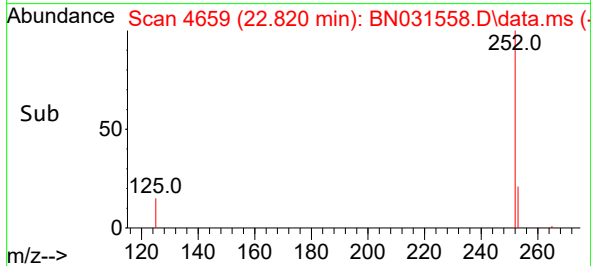
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:252 Resp: 625
Ion Ratio Lower Upper
252 100
253 29.4 0.0 44.8
125 32.4 0.0 27.4

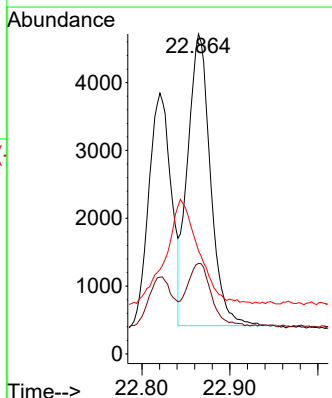
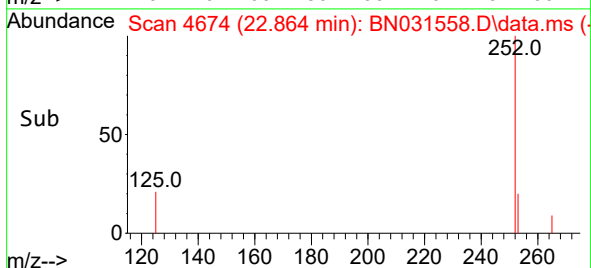
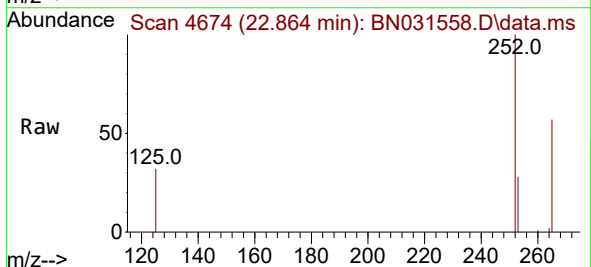
Manual Integrations
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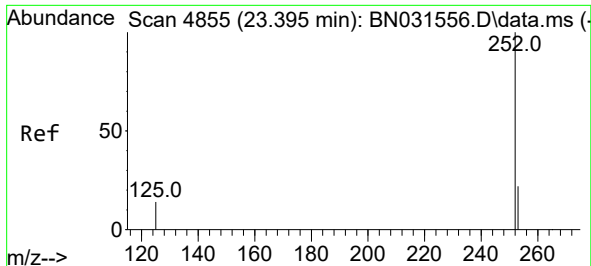
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 22.864 min Scan# 4674
Delta R.T. -0.010 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

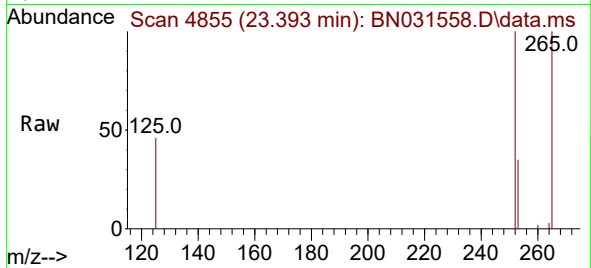
Tgt Ion:252 Resp: 7758
Ion Ratio Lower Upper
252 100
253 28.3 17.8 26.8#
125 32.2 10.6 16.0#





#26
Benzo(a)pyrene
Concen: 0.063 ng/ul
RT: 23.393 min Scan# 4855
Delta R.T. -0.010 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

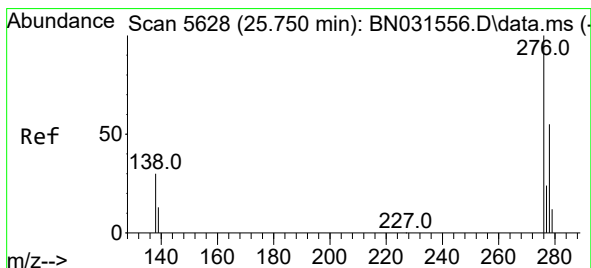
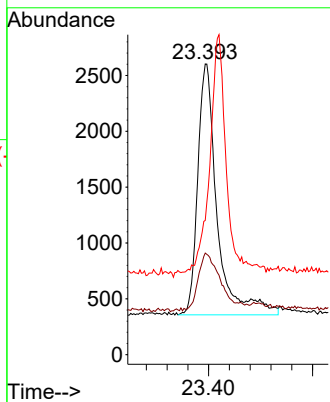
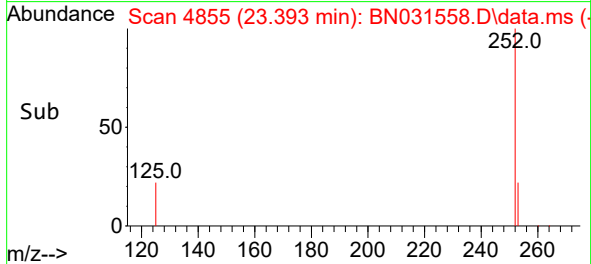
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:252 Resp: 583
Ion Ratio Lower Upper
252 100
253 34.9 17.9 26.9
125 46.2 12.3 18.5

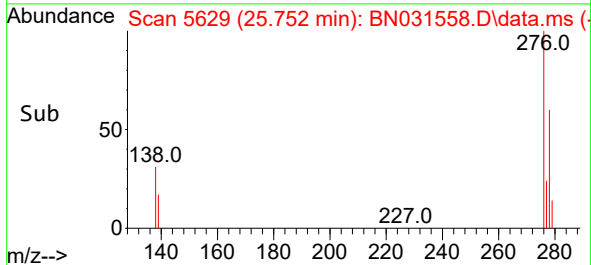
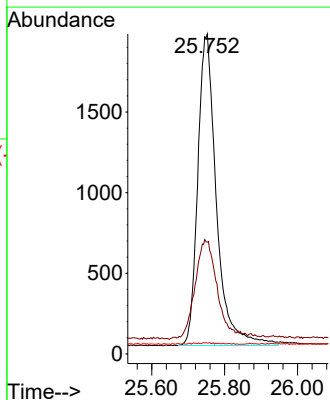
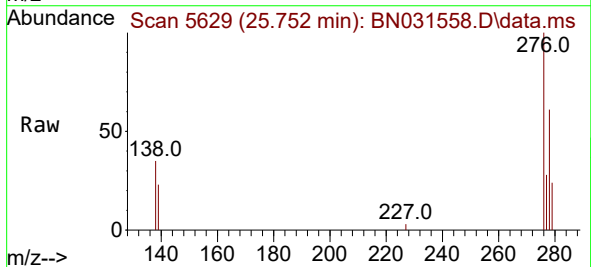
Manual Integrations
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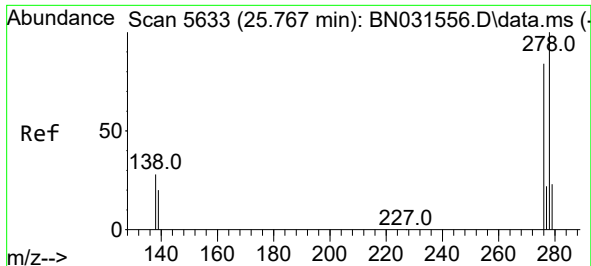
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.064 ng/ul
RT: 25.752 min Scan# 5629
Delta R.T. -0.014 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

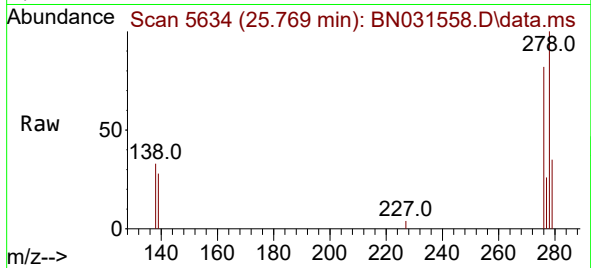
Tgt Ion:276 Resp: 6856
Ion Ratio Lower Upper
276 100
138 36.8 24.8 37.2
227 0.3 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.062 ng/ul
RT: 25.769 min Scan# 5633
Delta R.T. -0.011 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

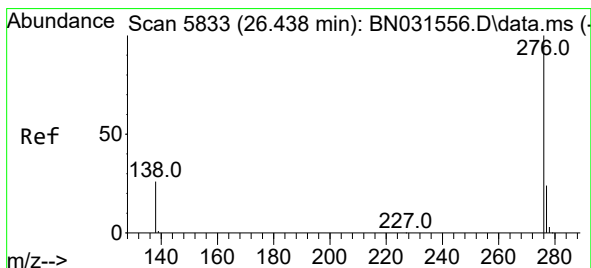
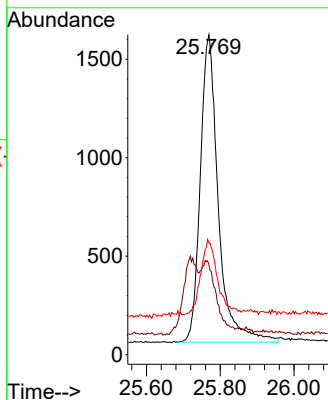
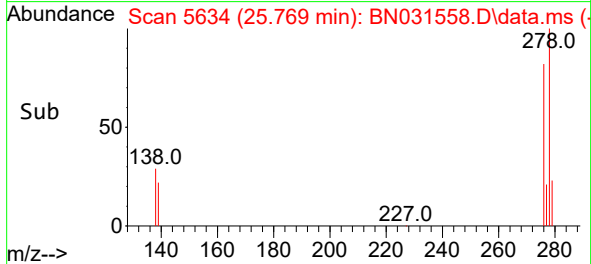
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-04



Tgt Ion:278 Resp: 528
Ion Ratio Lower Upper
278 100
139 28.0 16.7 25.1#
279 34.8 19.5 29.3#

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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#29
Benzo(g,h,i)perylene
Concen: 0.058 ng/ul
RT: 26.436 min Scan# 5833
Delta R.T. -0.014 min
Lab File: BN031558.D
Acq: 17 May 2024 09:46

Tgt Ion:276 Resp: 4961
Ion Ratio Lower Upper
276 100
138 33.6 21.4 32.2#
277 29.4 19.2 28.8#

