

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051724\
 Data File : BN031545.D
 Acq On : 16 May 2024 11:48
 Operator : MA/JU
 Sample : P2409-01
 Misc : SFAM-SIM-MDL-WATER-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT2-2024-03

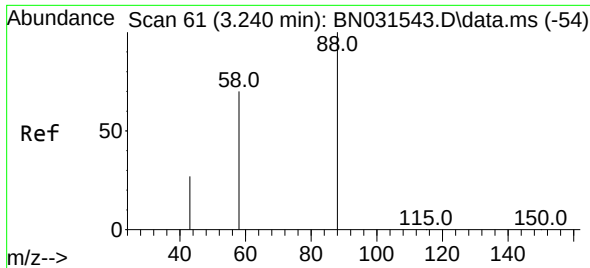
Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:21:56 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

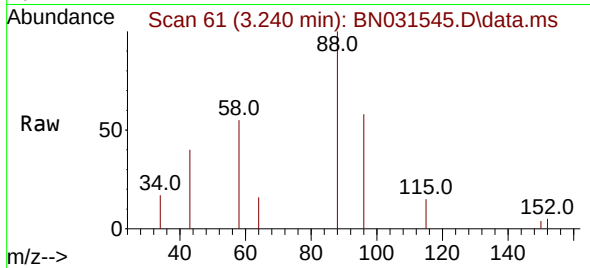
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.700	152	11093	0.400	ng/ul	0.00
4) Naphthalene-d8	10.481	136	34784	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.332	164	17785	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.079	188	39749	0.400	ng/ul	0.00
17) Chrysene-d12	21.261	240	26328	0.400	ng/ul	0.00
23) Perylene-d12	23.491	264	23532	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.206	96	5477	0.410	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.070	152	18336	0.372	ng/ul	0.00
18) Fluoranthene-d10	19.106	212	33819	0.463	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	1421m	0.102	ng/ul	
5) Naphthalene	10.530	128	6538	0.070	ng/ul	96
7) 2-Methylnaphthalene	12.147	142	4014	0.068	ng/ul	99
8) 1-Methylnaphthalene	12.367	142	4030	0.065	ng/ul	100
10) Acenaphthylene	14.054	152	5471	0.068	ng/ul	98
11) Acenaphthene	14.396	153	4281	0.070	ng/ul	98
12) Fluorene	15.386	166	4629	0.068	ng/ul	99
14) Pentachlorophenol	16.724	266	397	0.064	ng/ul	99
15) Phenanthrene	17.117	178	7886	0.068	ng/ul	97
16) Anthracene	17.210	178	6124	0.062	ng/ul	96
19) Fluoranthene	19.133	202	7874	0.080	ng/ul	96
20) Pyrene	19.496	202	7454	0.077	ng/ul	96
21) Benzo(a)anthracene	21.243	228	5477	0.060	ng/ul	98
22) Chrysene	21.296	228	6587	0.067	ng/ul	98
24) Benzo(b)fluoranthene	22.821	252	5265	0.061	ng/ul#	70
25) Benzo(k)fluoranthene	22.865	252	6396	0.068	ng/ul#	70
26) Benzo(a)pyrene	23.394	252	4629m	0.061	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.750	276	5167	0.059	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.770	278	3993	0.057	ng/ul#	73
29) Benzo(g,h,i)perylene	26.434	276	3878	0.055	ng/ul	91

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



#2
1,4-Dioxane
Concen: 0.102 ng/ul m
RT: 3.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

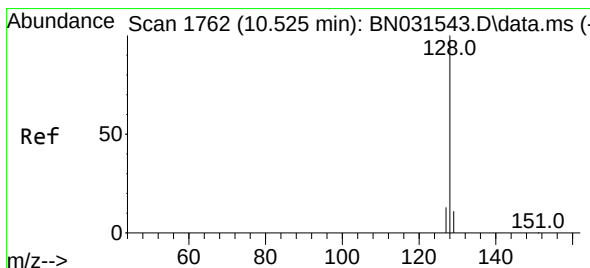
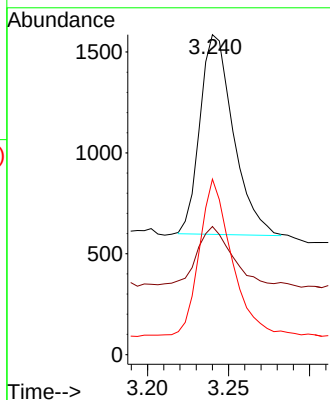
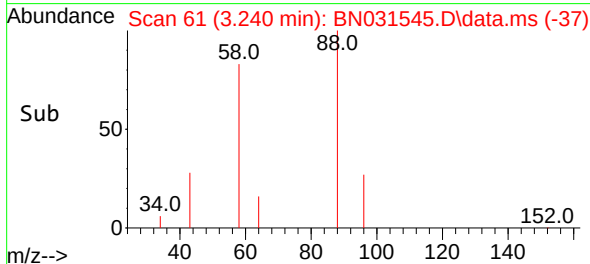
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 40.0 23.3 34.9
58 54.9 53.0 79.4

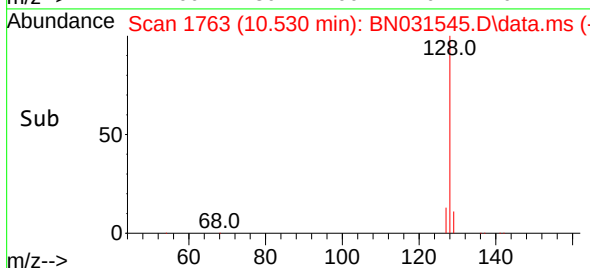
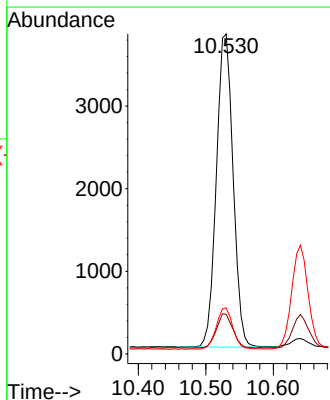
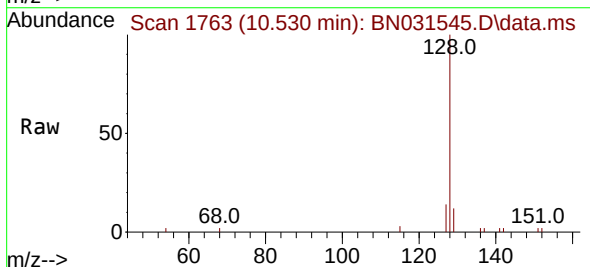
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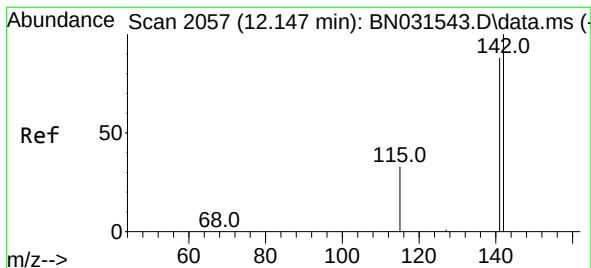
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.530 min Scan# 1763
Delta R.T. -0.000 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

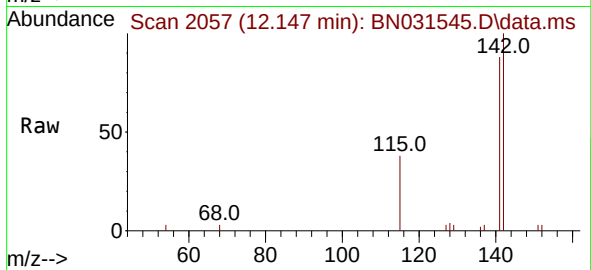
Tgt Ion:128 Resp: 6538
Ion Ratio Lower Upper
128 100
129 12.4 8.7 13.1
127 14.4 10.4 15.6





#7
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.147 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

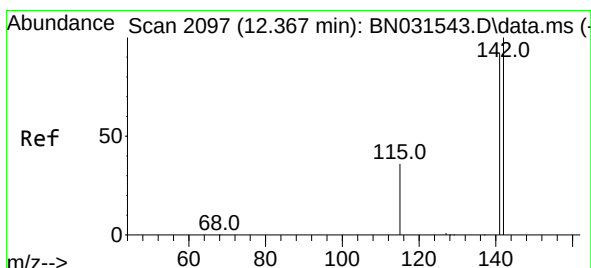
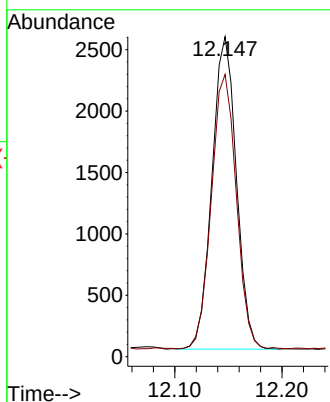
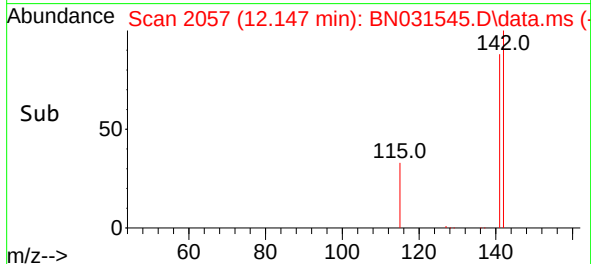
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT2-2024-03



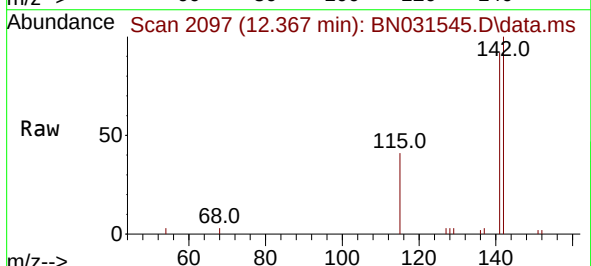
Tgt Ion:142 Resp: 4014
Ion Ratio Lower Upper
142 100
141 89.5 71.0 106.6

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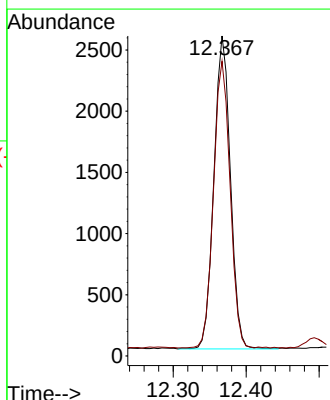
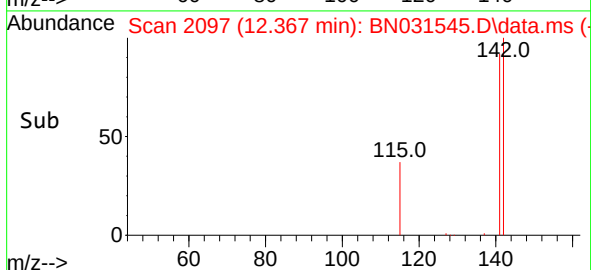
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

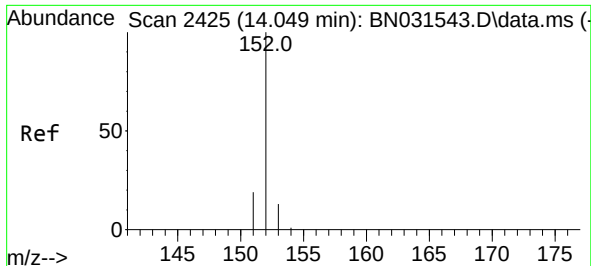


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.367 min Scan# 2097
Delta R.T. -0.006 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48



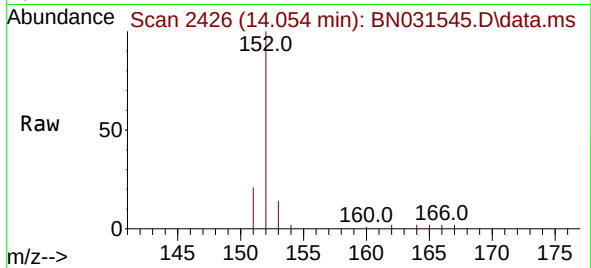
Tgt Ion:142 Resp: 4030
Ion Ratio Lower Upper
142 100
141 92.1 73.4 110.2





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.054 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

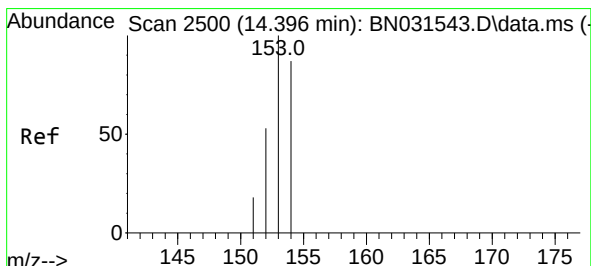
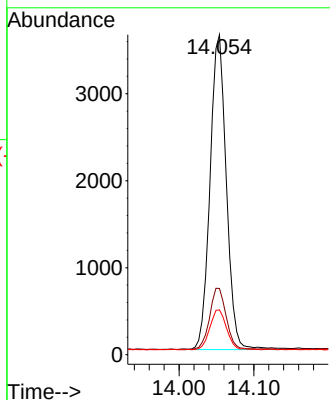
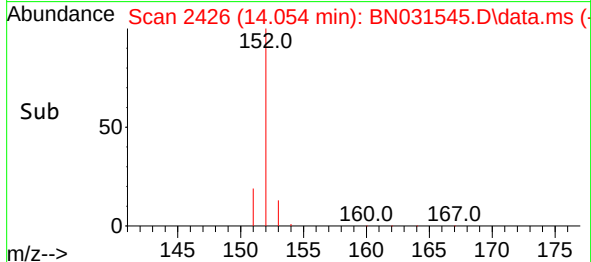
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:152 Resp: 547
Ion Ratio Lower Upper
152 100
151 20.7 15.8 23.8
153 14.0 10.5 15.7

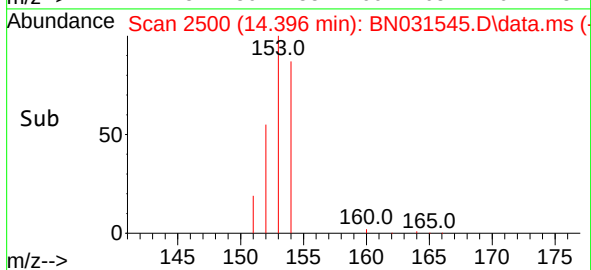
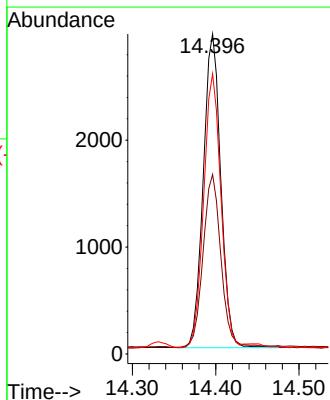
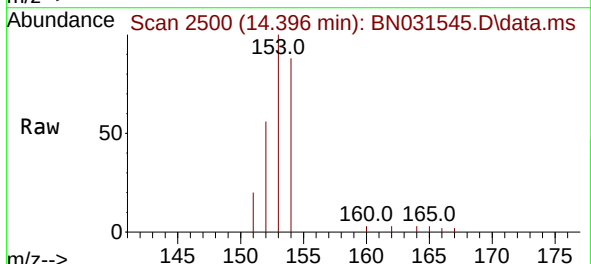
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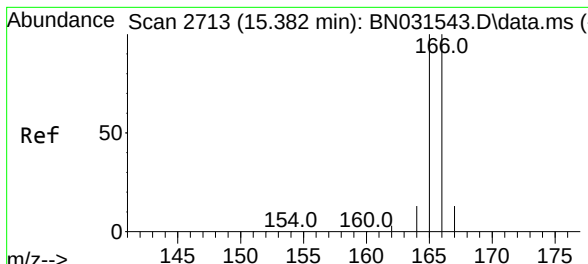
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.396 min Scan# 2500
Delta R.T. -0.000 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

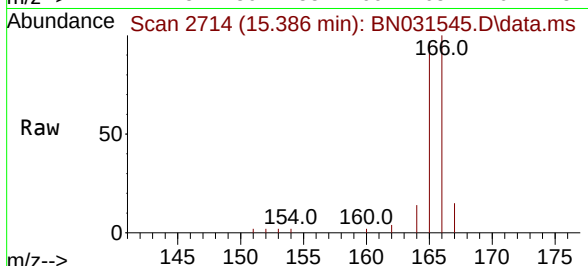
Tgt Ion:153 Resp: 4281
Ion Ratio Lower Upper
153 100
152 56.1 42.6 64.0
154 87.5 70.0 105.0





#12
 Fluorene
 Concen: 0.068 ng/ul
 RT: 15.386 min Scan# 2714
 Delta R.T. -0.000 min
 Lab File: BN031545.D
 Acq: 16 May 2024 11:48

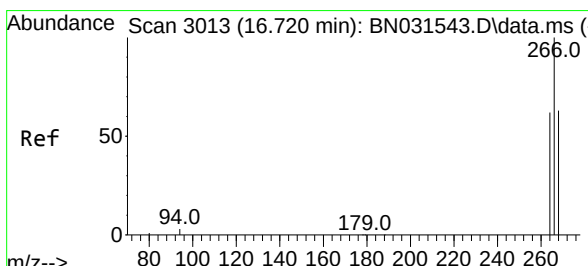
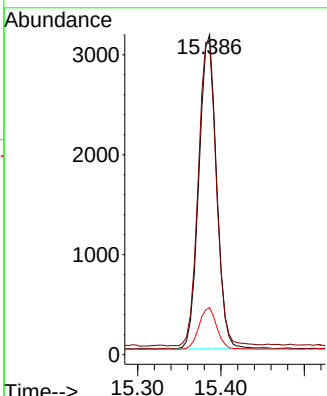
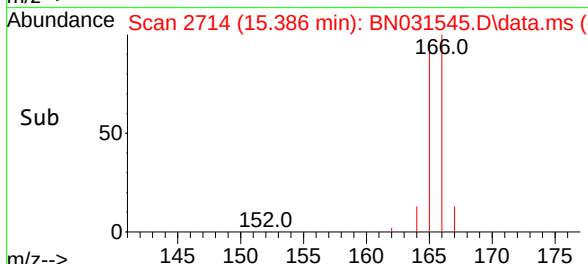
Instrument : BNA_N
 ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:	166	Resp:	4629
Ion Ratio	Lower	Upper	
166	100		
165	97.2	78.6	117.8
167	14.7	10.9	16.3

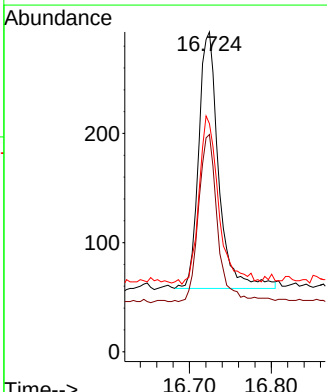
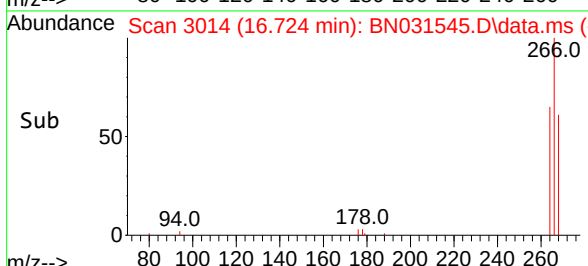
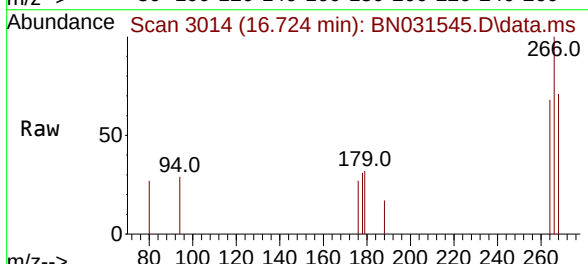
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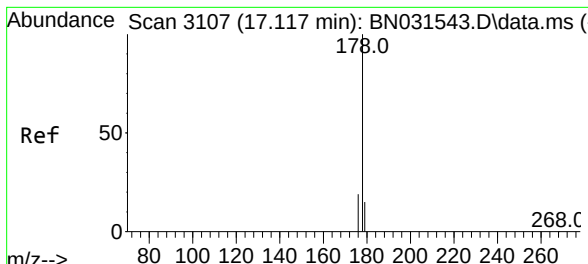
Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024



#14
 Pentachlorophenol
 Concen: 0.064 ng/ul
 RT: 16.724 min Scan# 3014
 Delta R.T. -0.000 min
 Lab File: BN031545.D
 Acq: 16 May 2024 11:48

Tgt Ion:	266	Resp:	397
Ion Ratio	Lower	Upper	
266	100		
264	62.0	49.9	74.9
268	65.0	51.1	76.7



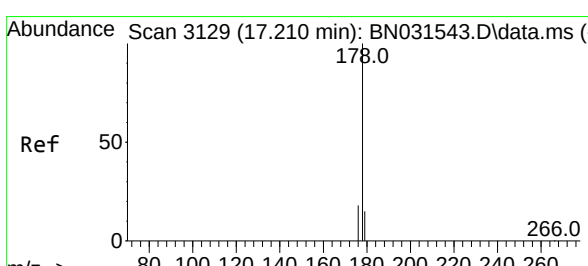
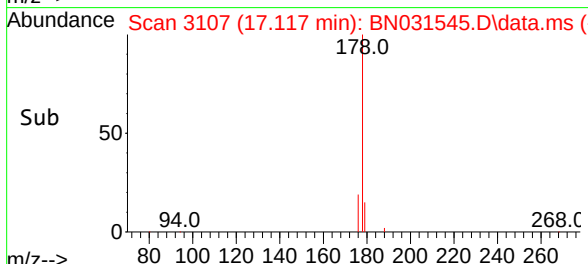
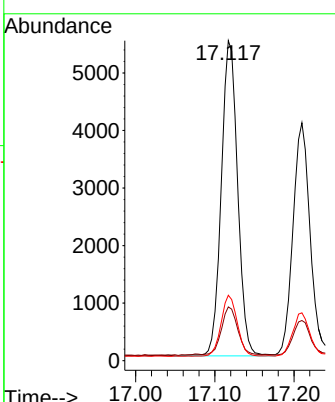
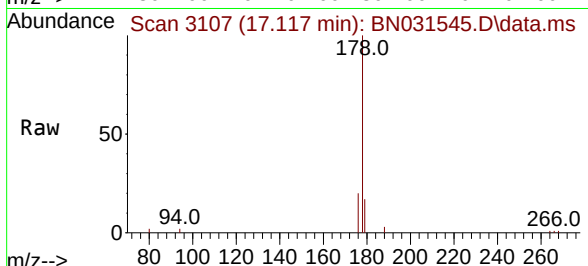


#15
 Phenanthrene
 Concen: 0.068 ng/u1
 RT: 17.117 min Scan# 3107
 Delta R.T. -0.004 min
 Lab File: BN031545.D
 Acq: 16 May 2024 11:48

Instrument : BNA_N
 ClientSampleId : MDL-WATER-QT2-2024-03

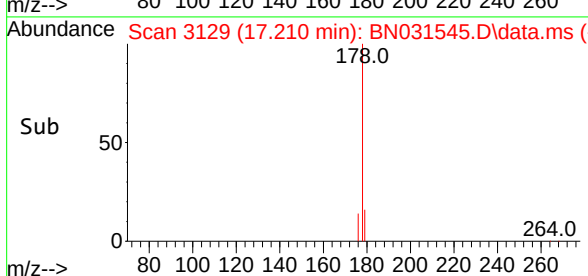
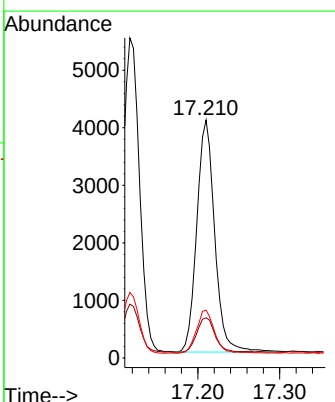
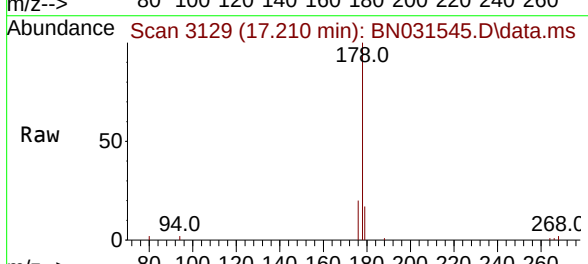
Tgt Ion:	178	Resp:	7880
Ion Ratio	Lower	Upper	
178	100		
179	16.8	12.2	18.4
176	20.5	15.4	23.0

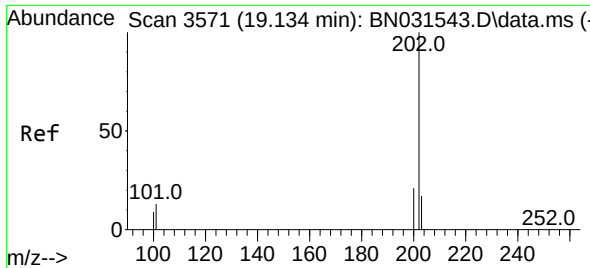
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#16
 Anthracene
 Concen: 0.062 ng/u1
 RT: 17.210 min Scan# 3129
 Delta R.T. -0.000 min
 Lab File: BN031545.D
 Acq: 16 May 2024 11:48

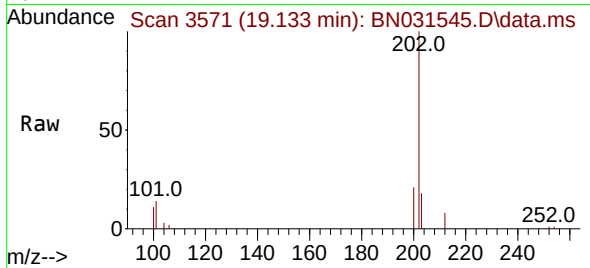
Tgt Ion:	178	Resp:	6124
Ion Ratio	Lower	Upper	
178	100		
179	16.9	12.2	18.4
176	20.1	14.9	22.3





#19
Fluoranthene
Concen: 0.080 ng/u1
RT: 19.133 min Scan# 3571
Delta R.T. -0.005 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

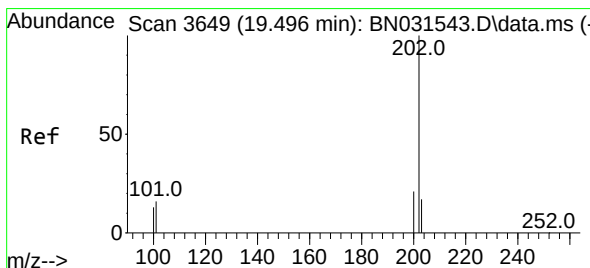
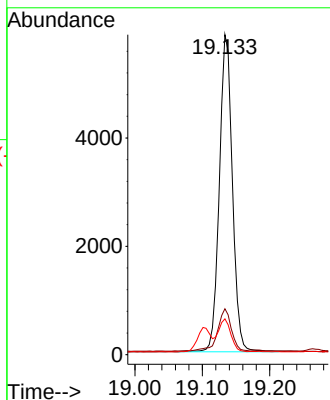
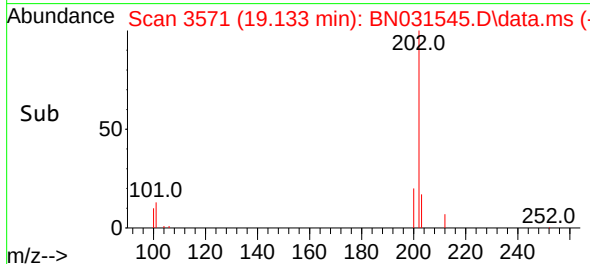
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:202 Resp: 7874
Ion Ratio Lower Upper
202 100
101 14.3 10.2 15.4
100 11.2 7.7 11.5

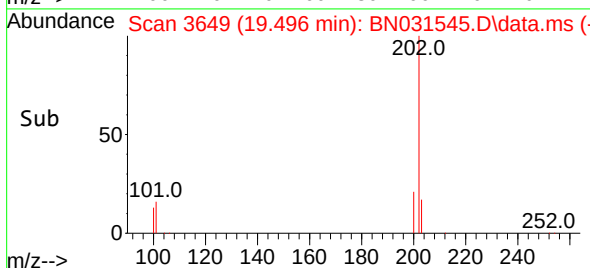
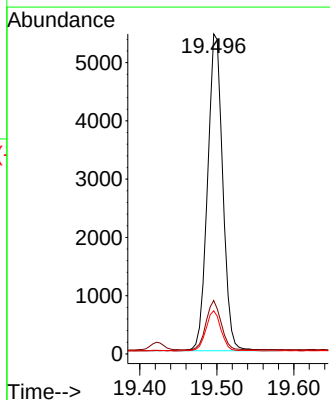
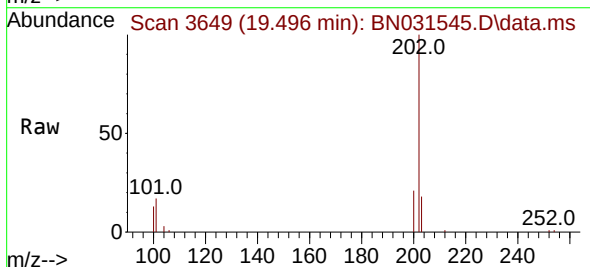
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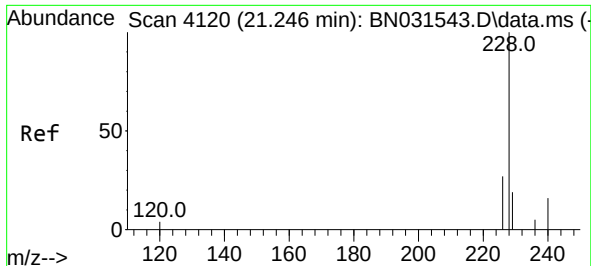
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#20
Pyrene
Concen: 0.077 ng/u1
RT: 19.496 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

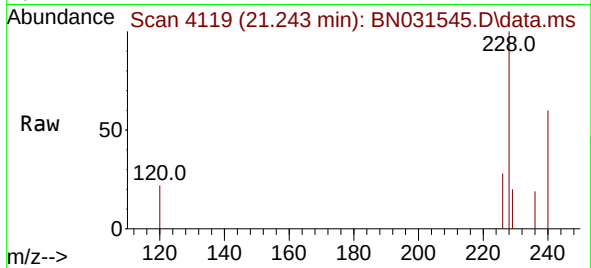
Tgt Ion:202 Resp: 7454
Ion Ratio Lower Upper
202 100
101 16.7 12.0 18.0
100 13.5 9.7 14.5





#21
Benzo(a)anthracene
Concen: 0.060 ng/u1
RT: 21.243 min Scan# 4119
Delta R.T. -0.006 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

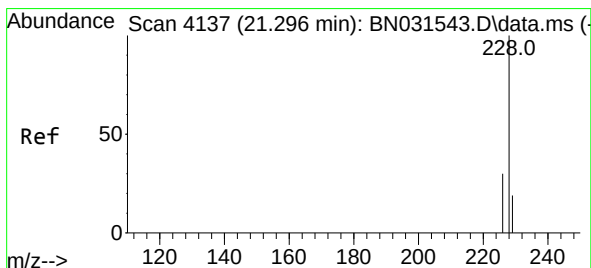
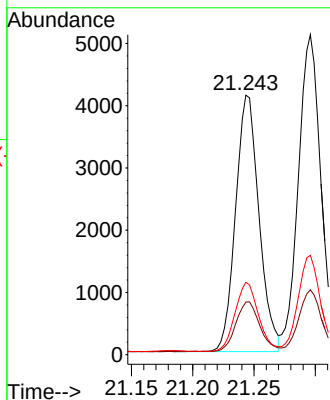
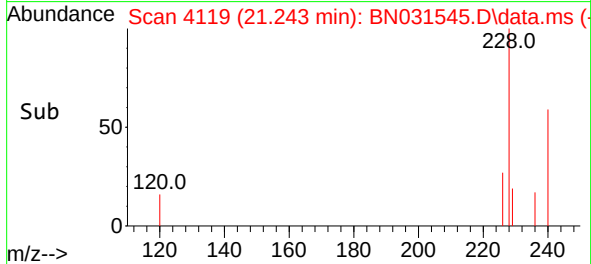
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:228 Resp: 547
Ion Ratio Lower Upper
228 100
229 20.3 15.4 23.0
226 27.9 21.5 32.3

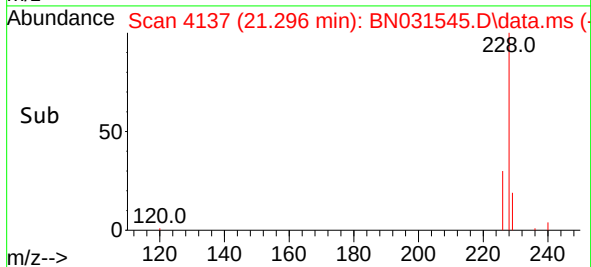
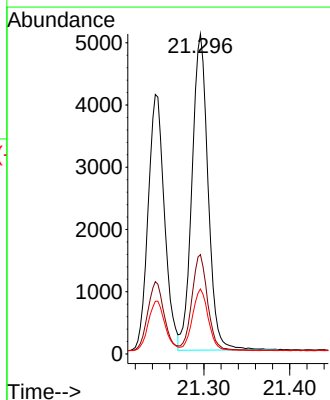
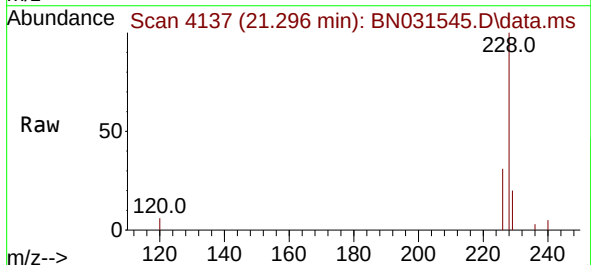
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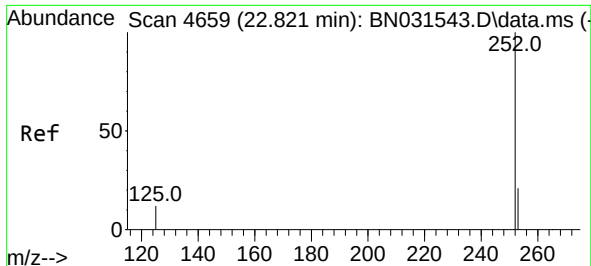
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#22
Chrysene
Concen: 0.067 ng/u1
RT: 21.296 min Scan# 4137
Delta R.T. -0.006 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

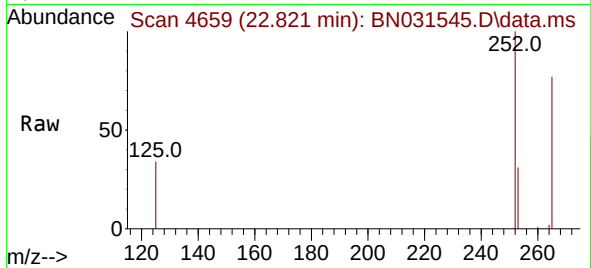
Tgt Ion:228 Resp: 6587
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.8
229 20.3 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.061 ng/ul
RT: 22.821 min Scan# 4659
Delta R.T. -0.006 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

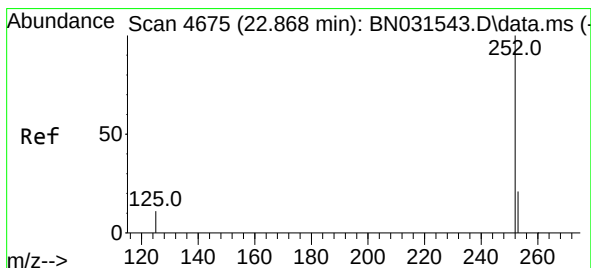
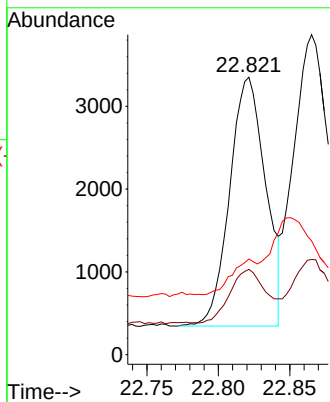
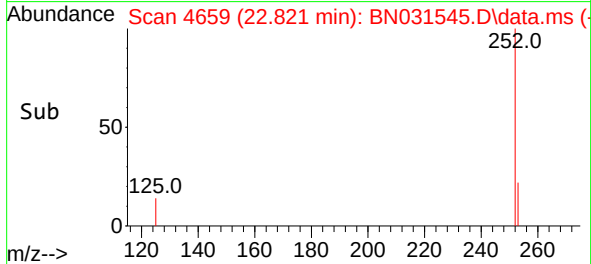
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:252 Resp: 5268
Ion Ratio Lower Upper
252 100
253 30.7 0.0 44.8
125 34.5 0.0 27.4

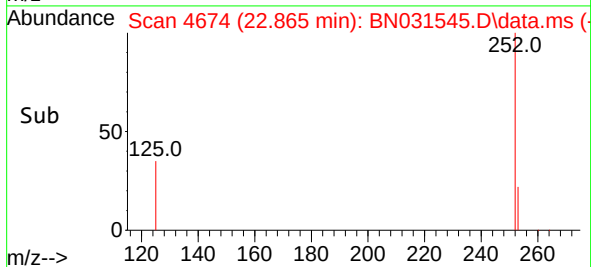
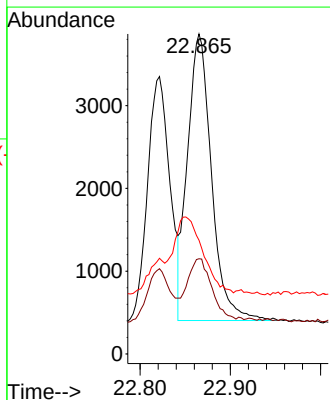
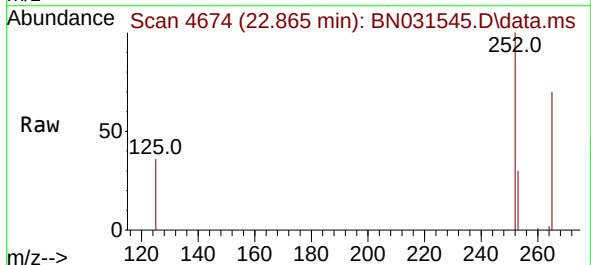
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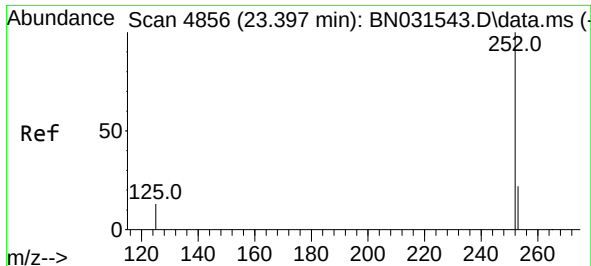
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 22.865 min Scan# 4674
Delta R.T. -0.009 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

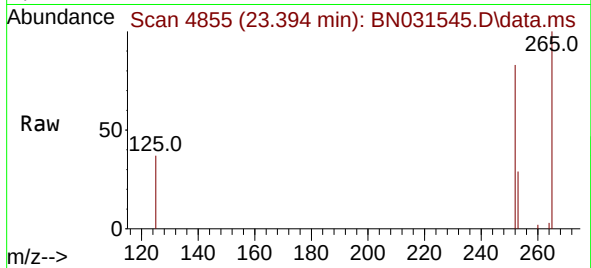
Tgt Ion:252 Resp: 6396
Ion Ratio Lower Upper
252 100
253 29.7 17.8 26.8#
125 35.5 10.6 16.0#





#26
Benzo(a)pyrene
Concen: 0.061 ng/ul m
RT: 23.394 min Scan# 4855
Delta R.T. -0.009 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

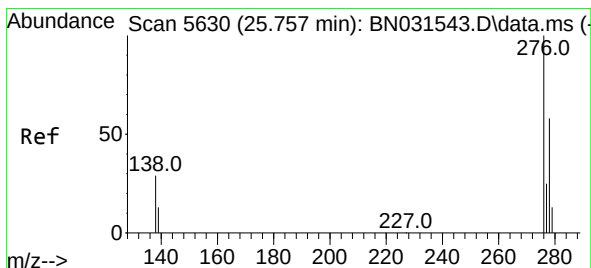
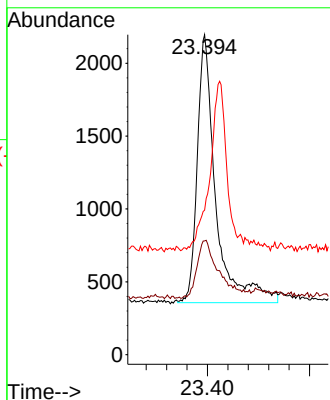
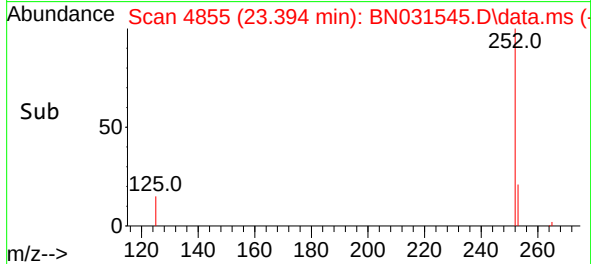
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:252 Resp: 4629
Ion Ratio Lower Upper
252 100
253 35.6 17.9 26.9
125 45.2 12.3 18.5

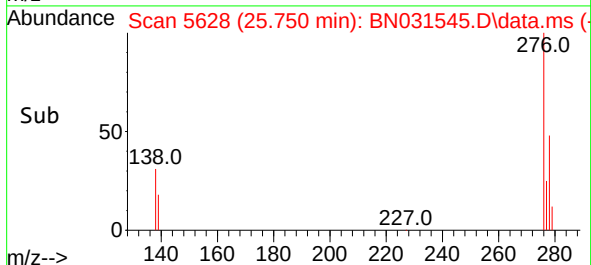
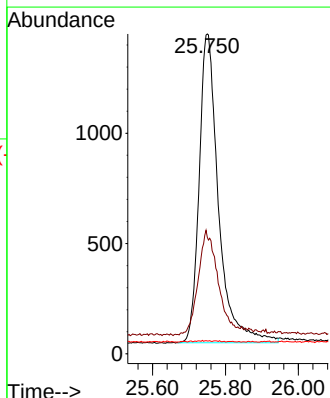
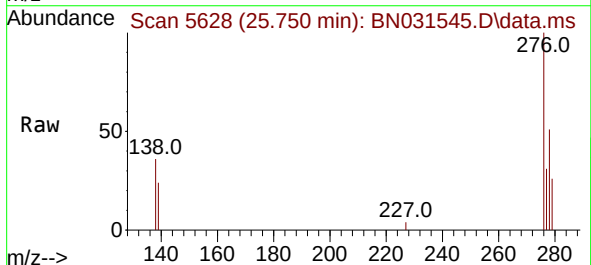
Manual Integrations
APPROVED

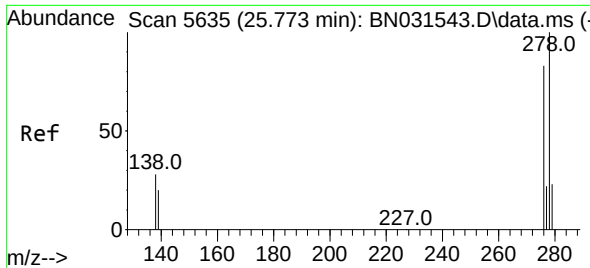
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.059 ng/ul
RT: 25.750 min Scan# 5628
Delta R.T. -0.017 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

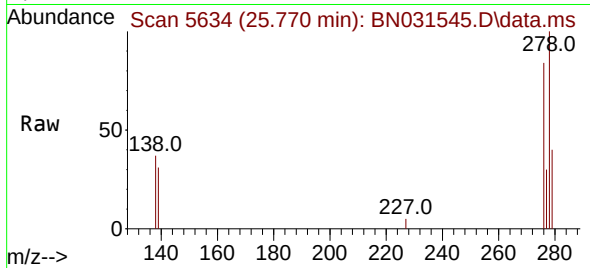
Tgt Ion:276 Resp: 5167
Ion Ratio Lower Upper
276 100
138 35.8 24.8 37.2
227 0.2 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.057 ng/ul
RT: 25.770 min Scan# 5635
Delta R.T. -0.010 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

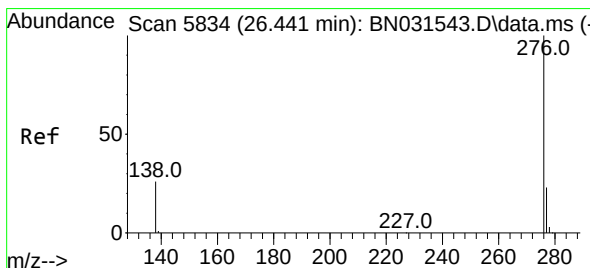
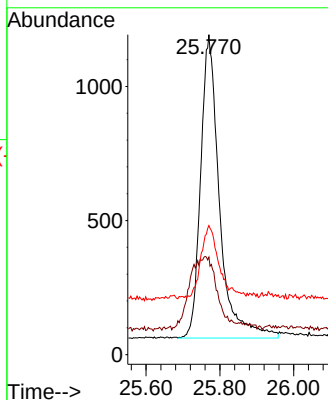
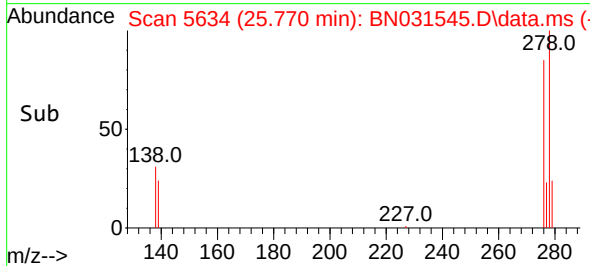
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:278 Resp: 399
Ion Ratio Lower Upper
278 100
139 30.5 16.7 25.1
279 40.3 19.5 29.3

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.055 ng/ul
RT: 26.434 min Scan# 5832
Delta R.T. -0.017 min
Lab File: BN031545.D
Acq: 16 May 2024 11:48

Tgt Ion:276 Resp: 3878
Ion Ratio Lower Upper
276 100
138 31.3 21.4 32.2
277 28.6 19.2 28.8

