

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022223\
 Data File : BN024084.D
 Acq On : 22 Feb 2023 10:57
 Operator : CG/JU
 Sample : 01378-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 23 02:34:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 14:45:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/24/2023
 Supervised By :mohammad ahmed 02/24/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	4538	0.400	ng/ul	0.00
4) Naphthalene-d8	10.634	136	11806	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.479	164	6423	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.230	188	12387	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.423	240	8398	0.400	ng/ul	# 0.00
23) Perylene-d12	23.808	264	6556	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.227	96	2444	0.502	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.223	152	5511	0.298	ng/ul	-0.01
18) Fluoranthene-d10	19.262	212	10161	0.450	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.260	88	447	0.087	ng/ul	92
5) Naphthalene	10.683	128	1968	0.061	ng/ul#	93
7) 2-Methylnaphthalene	12.300	142	1209	0.058	ng/ul	100
8) 1-Methylnaphthalene	12.520	142	1799	0.084	ng/ul	99
10) Acenaphthylene	14.201	152	1449	0.059	ng/ul#	92
11) Acenaphthene	14.544	153	1344	0.062	ng/ul	96
12) Fluorene	15.534	166	1418	0.054	ng/ul#	94
14) Pentachlorophenol	16.888	266	374	0.092	ng/ul	99
15) Phenanthrene	17.272	178	2275	0.062	ng/ul#	93
16) Anthracene	17.369	178	1819m	0.059	ng/ul	
19) Fluoranthene	19.290	202	2356	0.084	ng/ul#	86
20) Pyrene	19.657	202	2303	0.080	ng/ul#	90
21) Benzo(a)anthracene	21.409	228	1670	0.059	ng/ul	93
22) Chrysene	21.461	228	1936	0.064	ng/ul	95
24) Benzo(b)fluoranthene	23.086	252	2068	0.071	ng/ul#	49
25) Benzo(k)fluoranthene	23.133	252	1761	0.062	ng/ul#	48
26) Benzo(a)pyrene	23.697	252	1572	0.065	ng/ul#	15
27) Indeno(1,2,3-cd)pyrene	26.272	276	2061	0.061	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.305	278	1561	0.058	ng/ul#	50
29) Benzo(g,h,i)perylene	27.030	276	1828	0.066	ng/ul#	76

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

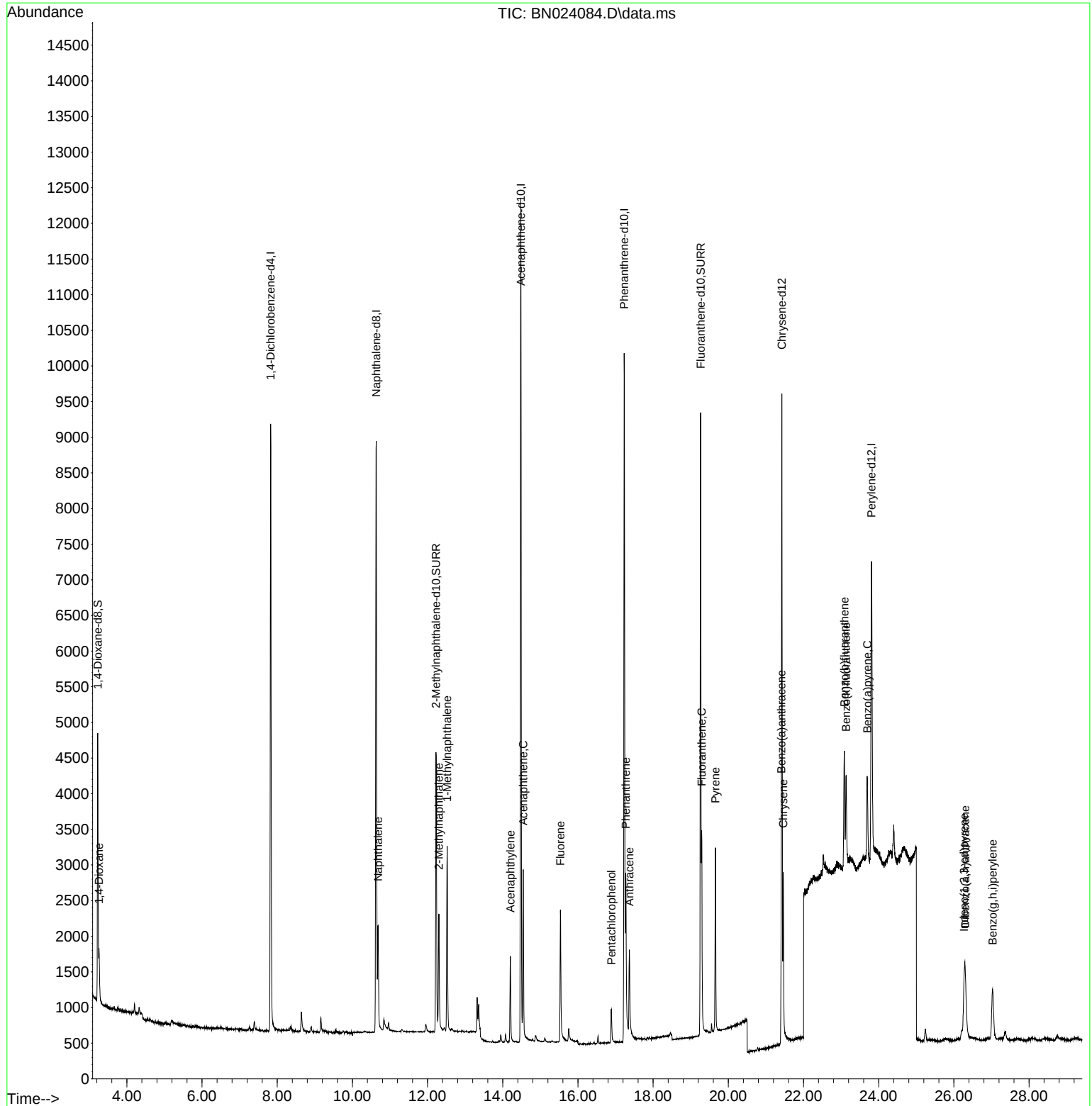
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022223\
Data File : BN024084.D
Acq On : 22 Feb 2023 10:57
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ALS Vial : 4 Sample Multiplier: 1

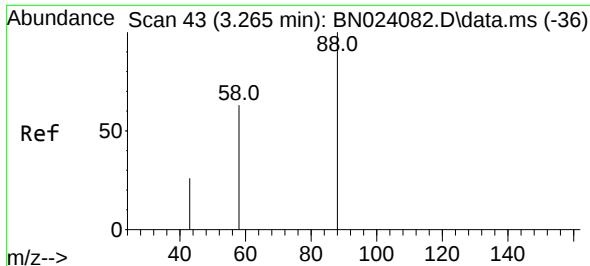
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02

Quant Time: Feb 23 02:34:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 14:45:13 2023
Response via : Initial Calibration

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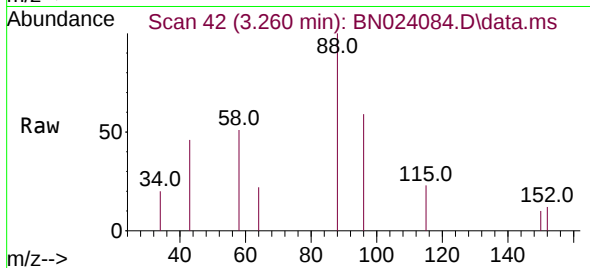
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023





#2
1,4-Dioxane
Concen: 0.087 ng/ul
RT: 3.260 min Scan# 43
Delta R.T. -0.004 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

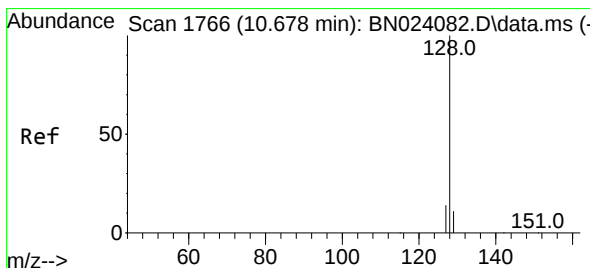
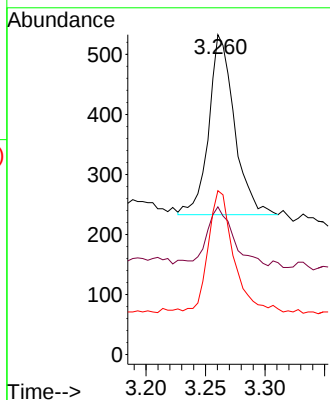
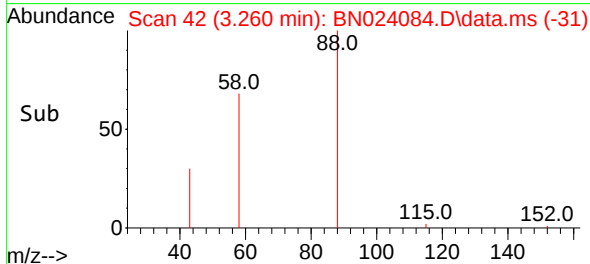
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion: 88 Resp: 447
Ion Ratio Lower Upper
88 100
43 46.2 41.9 62.9
58 51.2 45.6 68.4

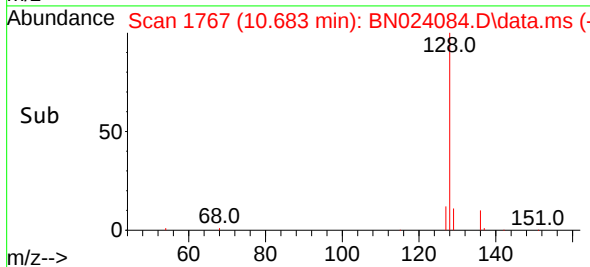
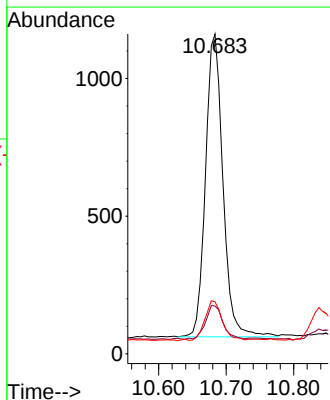
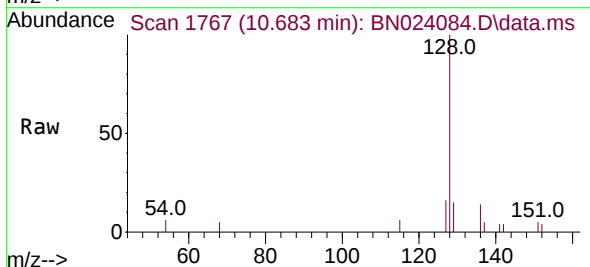
Manual Integrations
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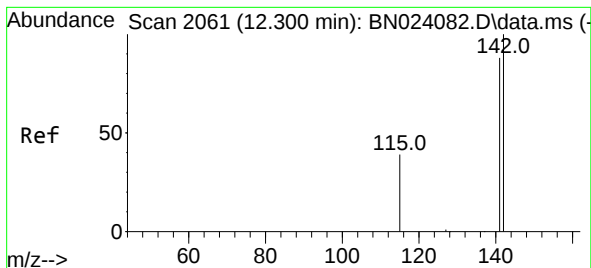
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#5
Naphthalene
Concen: 0.061 ng/ul
RT: 10.683 min Scan# 1767
Delta R.T. -0.005 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

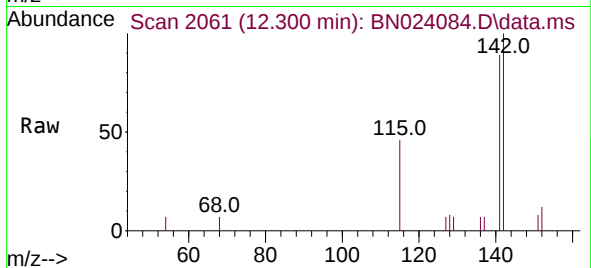
Tgt Ion:128 Resp: 1968
Ion Ratio Lower Upper
128 100
129 15.0 9.7 14.5#
127 16.3 11.1 16.7





#7
2-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.300 min Scan# 2061
Delta R.T. -0.005 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

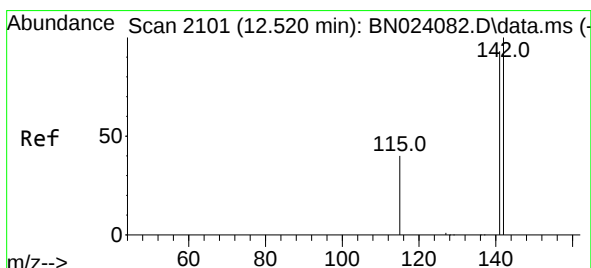
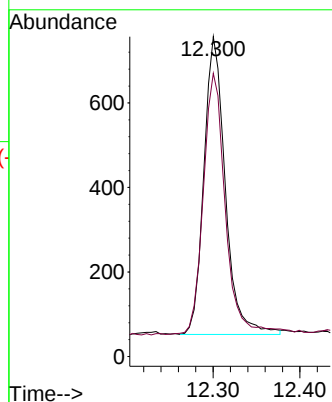
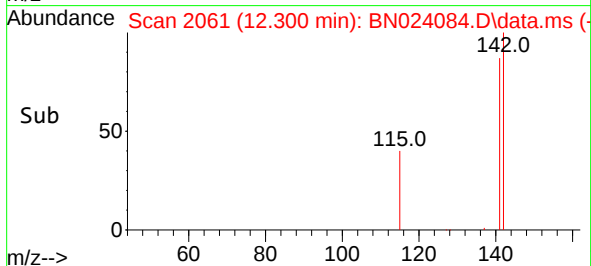
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT1-2023-02



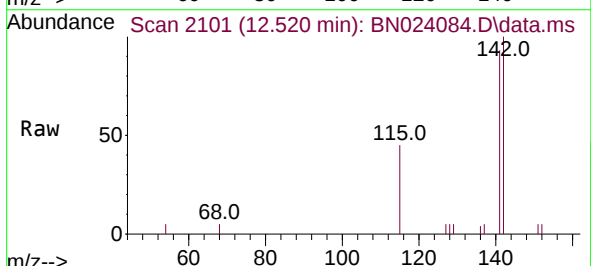
Tgt Ion:142 Resp: 1209
Ion Ratio Lower Upper
142 100
141 89.8 71.6 107.4

Manual Integrations
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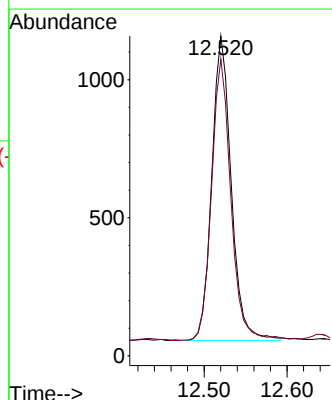
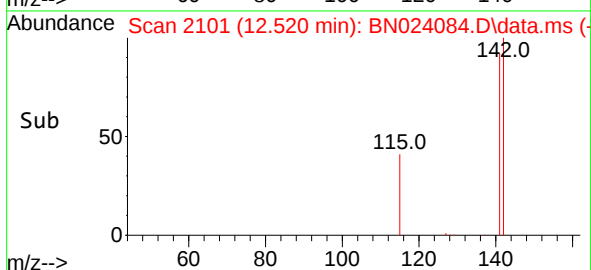
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023

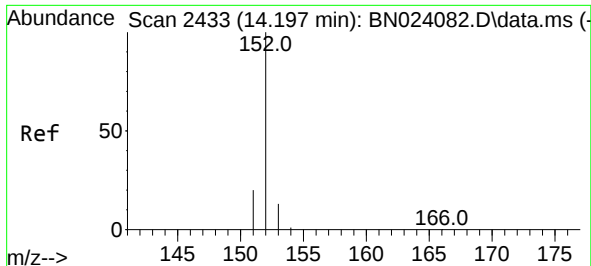


#8
1-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.520 min Scan# 2101
Delta R.T. -0.005 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57



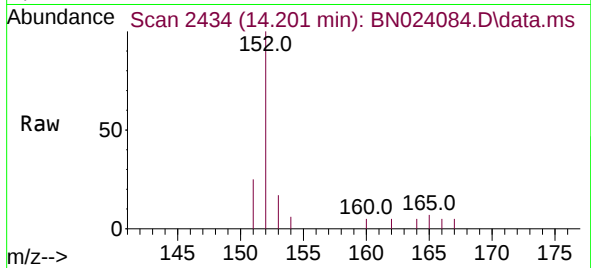
Tgt Ion:142 Resp: 1799
Ion Ratio Lower Upper
142 100
141 92.0 74.1 111.1





#10
Acenaphthylene
Concen: 0.059 ng/ul
RT: 14.201 min Scan# 2433
Delta R.T. -0.009 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

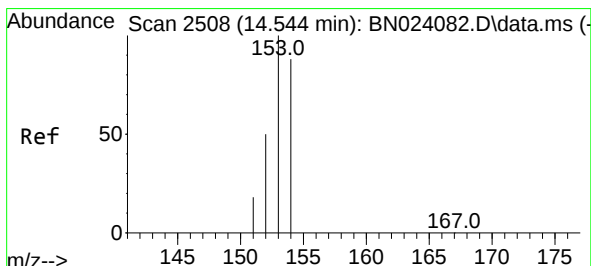
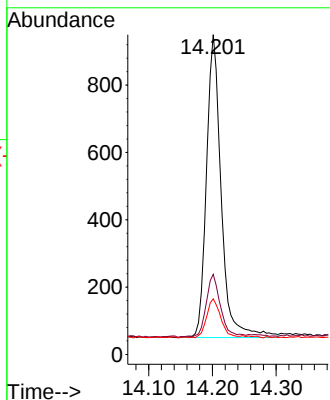
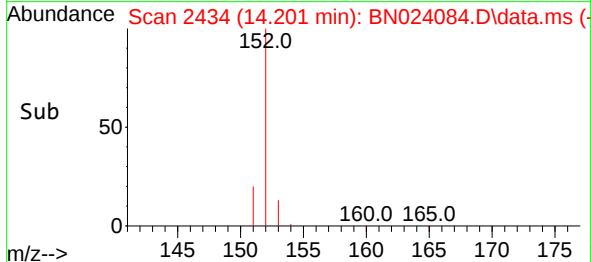
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion:152 Resp: 1449
Ion Ratio Lower Upper
152 100
151 25.1 17.0 25.4
153 17.4 11.1 16.7

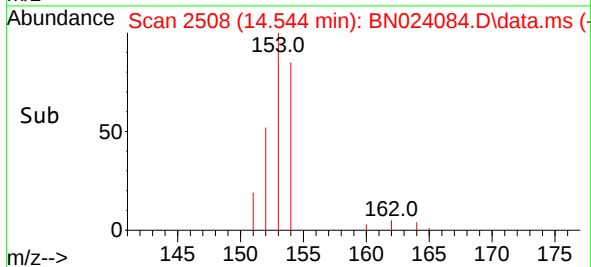
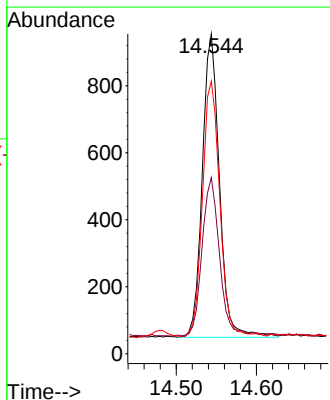
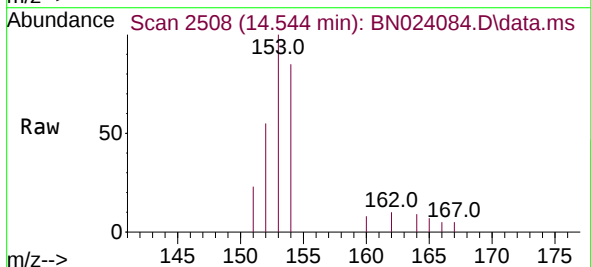
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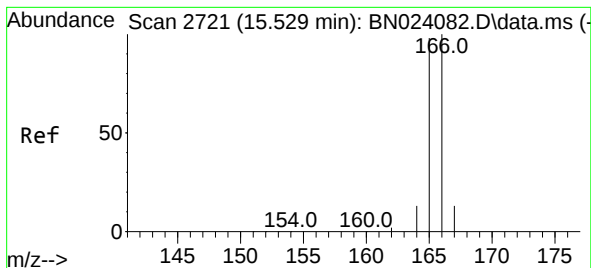
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#11
Acenaphthene
Concen: 0.062 ng/ul
RT: 14.544 min Scan# 2508
Delta R.T. -0.005 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

Tgt Ion:153 Resp: 1344
Ion Ratio Lower Upper
153 100
152 55.1 39.6 59.4
154 85.2 68.8 103.2





#12

Fluorene

Concen: 0.054 ng/ul

RT: 15.534 min Scan# 2721

Delta R.T. -0.005 min

Lab File: BN024084.D

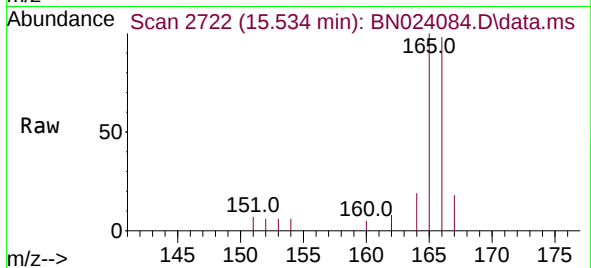
Acq: 22 Feb 2023 10:57

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2023-02

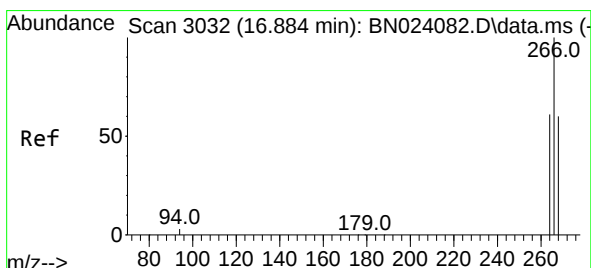
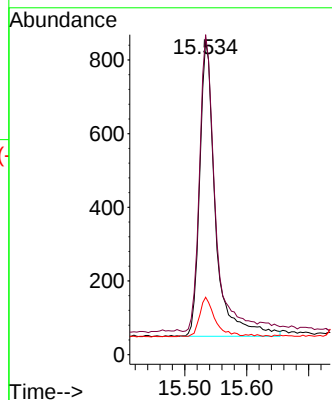
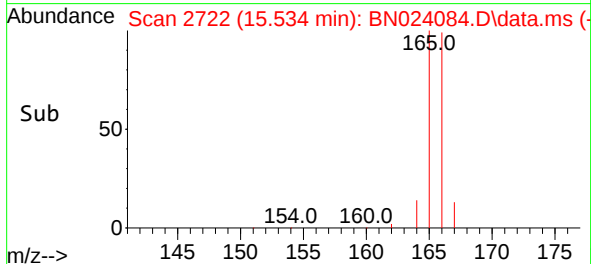


Tgt Ion:	166	Resp:	1418
Ion Ratio	Lower	Upper	
166	100		
165	102.1	77.4	116.2
167	18.3	11.4	17.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#14

Pentachlorophenol

Concen: 0.092 ng/ul

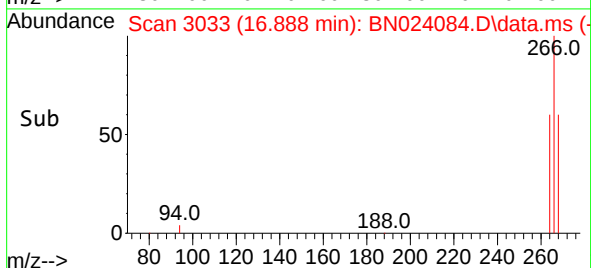
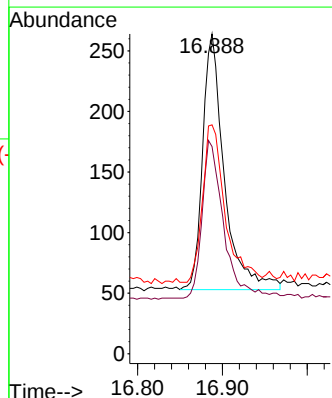
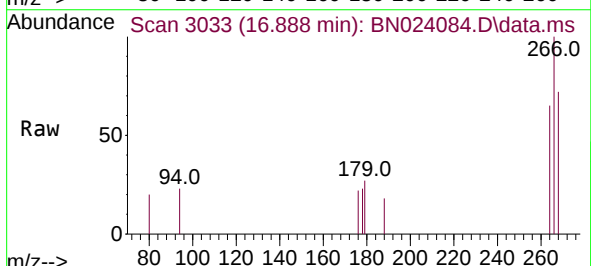
RT: 16.888 min Scan# 3033

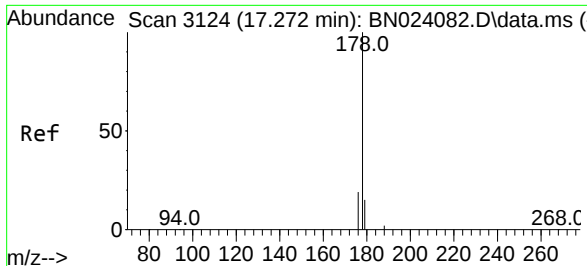
Delta R.T. -0.004 min

Lab File: BN024084.D

Acq: 22 Feb 2023 10:57

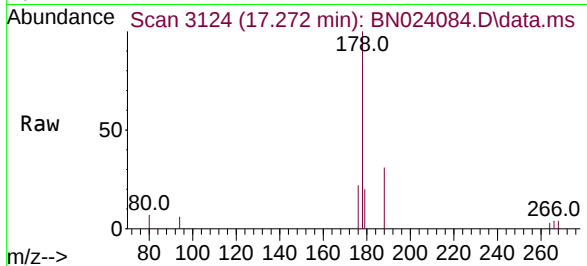
Tgt Ion:	266	Resp:	374
Ion Ratio	Lower	Upper	
266	100		
264	61.2	49.4	74.0
268	64.2	52.0	78.0





#15
Phenanthrene
Concen: 0.062 ng/ul
RT: 17.272 min Scan# 3124
Delta R.T. -0.008 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

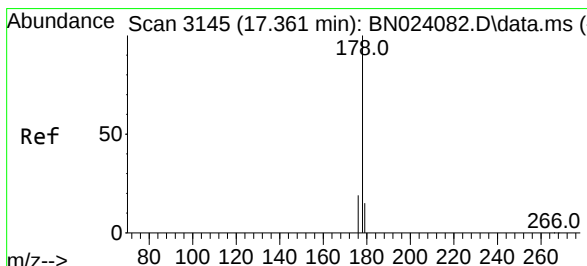
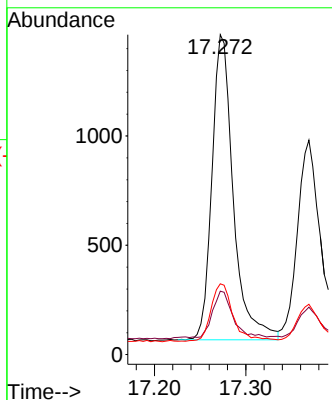
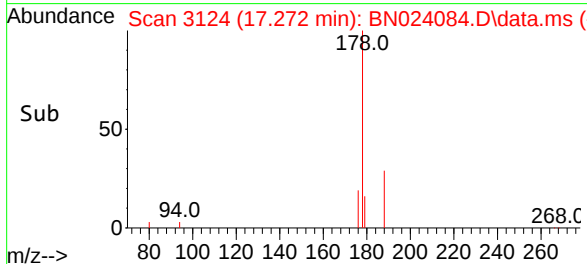
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion:178 Resp: 2275
Ion Ratio Lower Upper
178 100
179 19.8 12.6 19.0#
176 22.1 15.7 23.5#

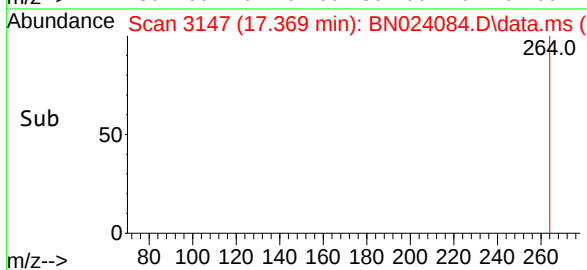
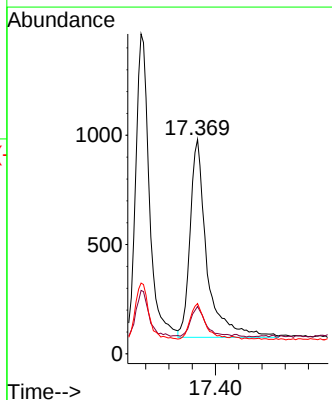
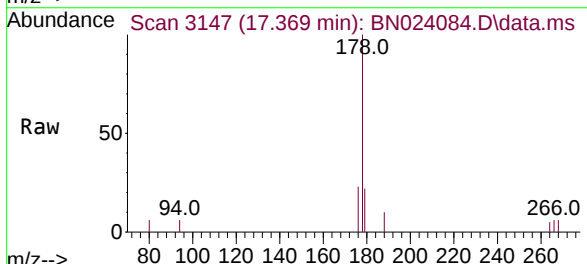
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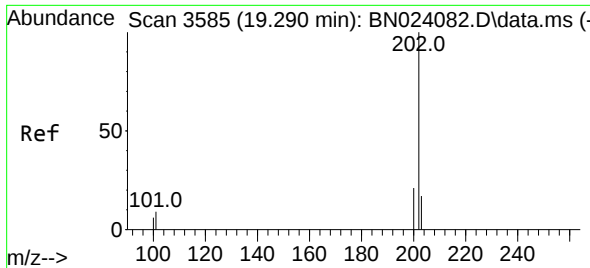
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#16
Anthracene
Concen: 0.059 ng/ul m
RT: 17.369 min Scan# 3147
Delta R.T. 0.000 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

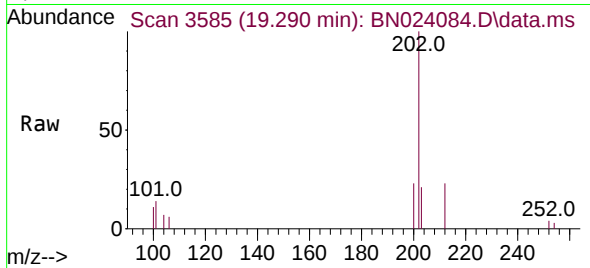
Tgt Ion:178 Resp: 1819
Ion Ratio Lower Upper
178 100
179 22.1 13.4 20.0#
176 23.4 15.4 23.2#





#19
Fluoranthene
Concen: 0.084 ng/ul
RT: 19.290 min Scan# 3585
Delta R.T. -0.009 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

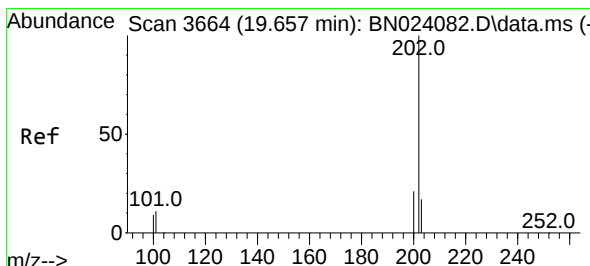
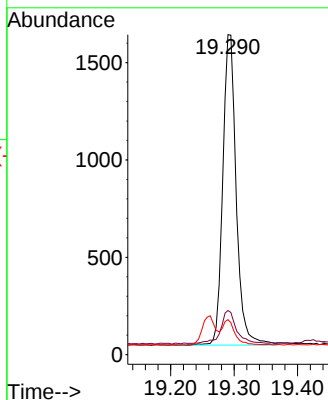
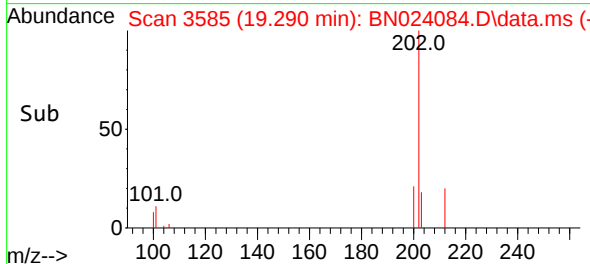
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT1-2023-02



Tgt Ion:202 Resp: 2356
Ion Ratio Lower Upper
202 100
101 13.8 6.8 10.2#
100 10.9 5.2 7.8#

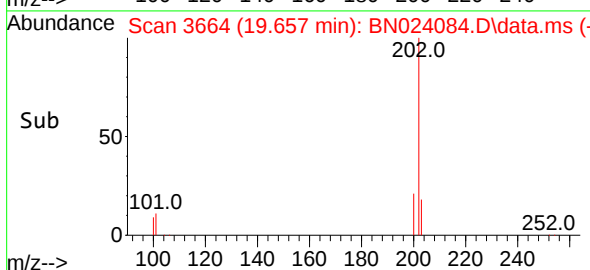
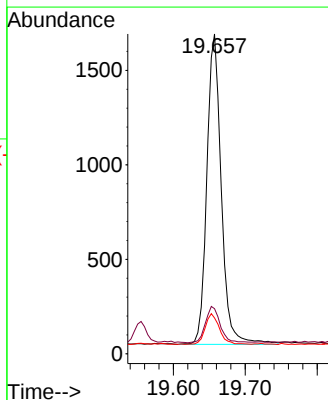
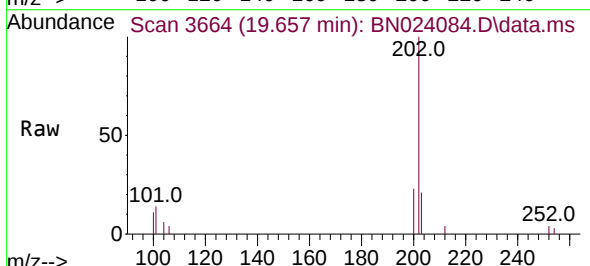
Manual Integrations
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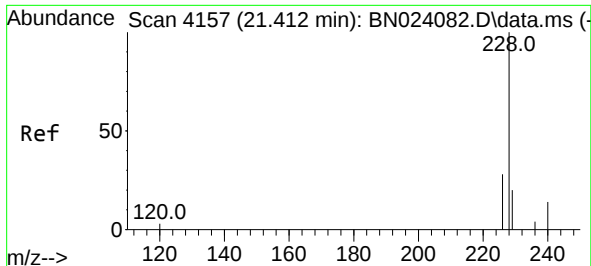
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#20
Pyrene
Concen: 0.080 ng/ul
RT: 19.657 min Scan# 3664
Delta R.T. -0.005 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

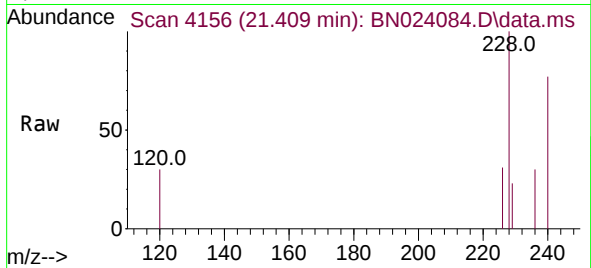
Tgt Ion:202 Resp: 2303
Ion Ratio Lower Upper
202 100
101 14.1 8.1 12.1#
100 11.2 6.2 9.4#





#21
Benzo(a)anthracene
Concen: 0.059 ng/ul
RT: 21.409 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

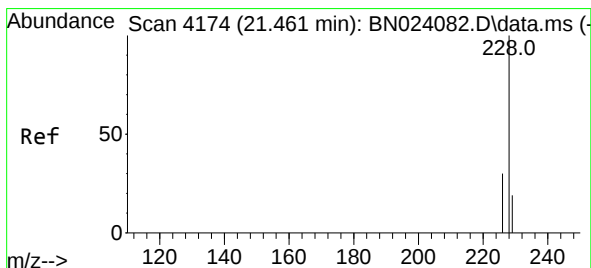
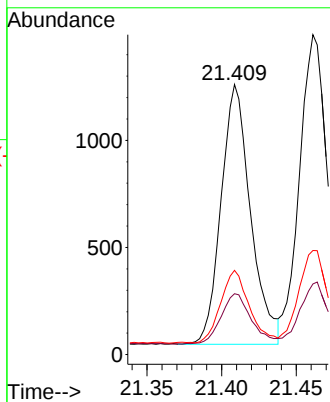
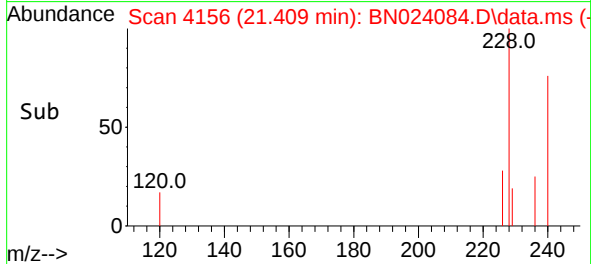
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion:228 Resp: 1670
Ion Ratio Lower Upper
228 100
229 22.5 15.8 23.8
226 31.2 22.0 33.0

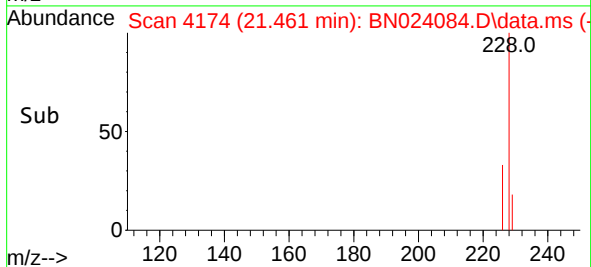
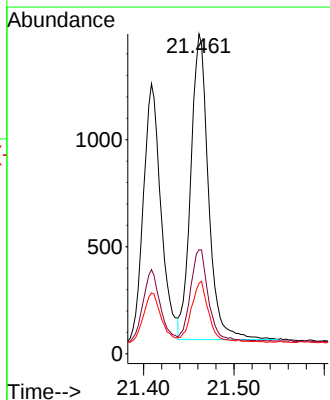
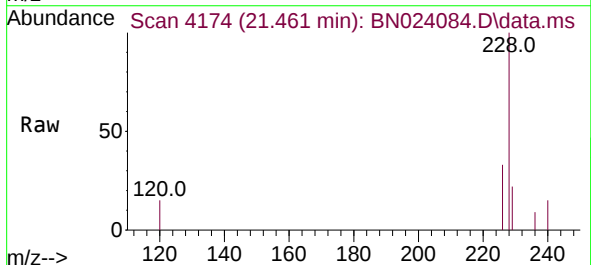
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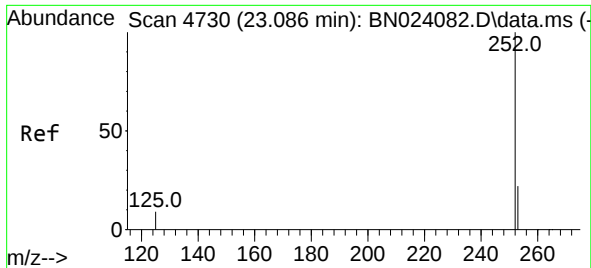
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#22
Chrysene
Concen: 0.064 ng/ul
RT: 21.461 min Scan# 4174
Delta R.T. -0.006 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

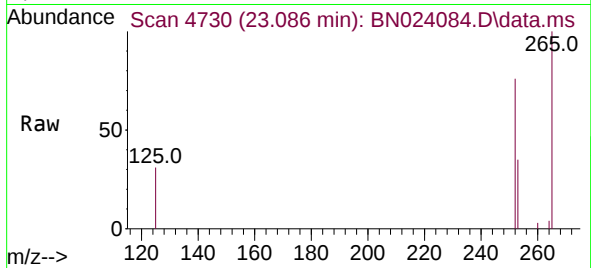
Tgt Ion:228 Resp: 1936
Ion Ratio Lower Upper
228 100
226 32.5 24.2 36.2
229 22.1 15.5 23.3





#24
Benzo(b)fluoranthene
Concen: 0.071 ng/ul
RT: 23.086 min Scan# 4730
Delta R.T. -0.006 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

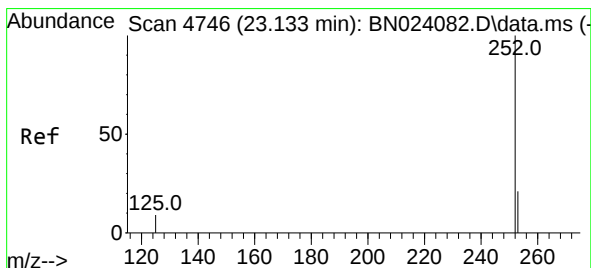
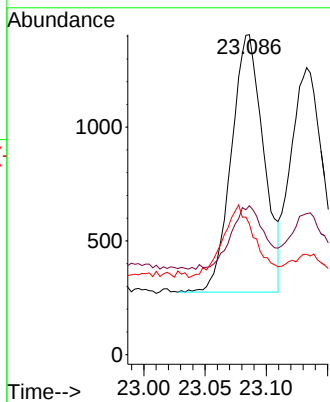
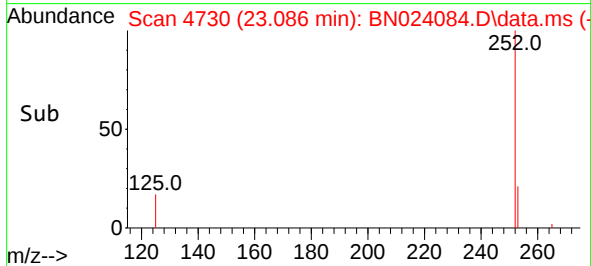
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02



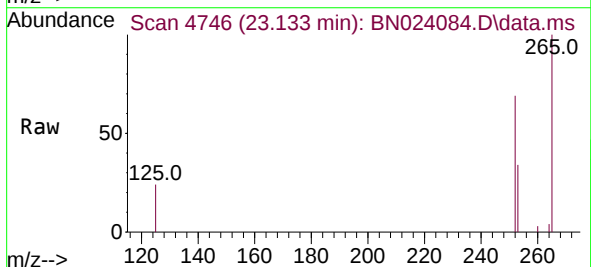
Tgt Ion:252 Resp: 2068
Ion Ratio Lower Upper
252 100
253 46.6 0.0 51.8
125 40.8 0.0 23.6

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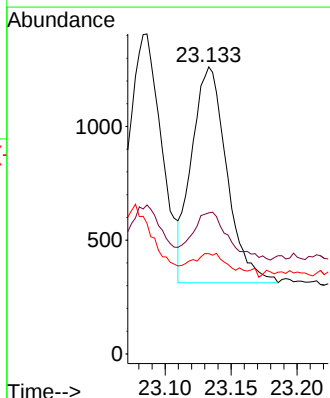
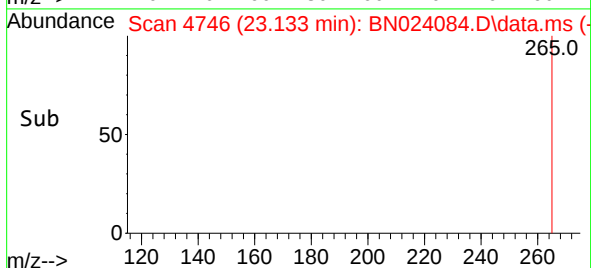
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023

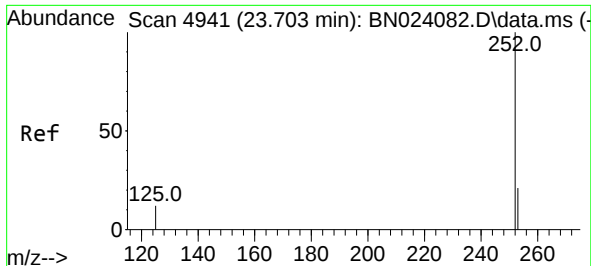


#25
Benzo(k)fluoranthene
Concen: 0.062 ng/ul
RT: 23.133 min Scan# 4746
Delta R.T. -0.006 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57



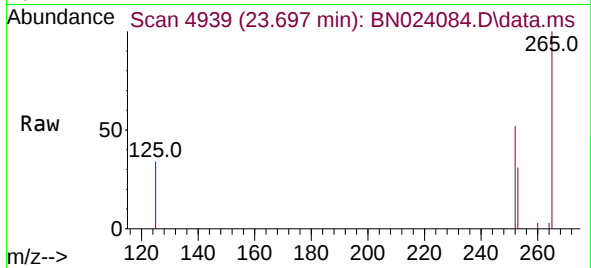
Tgt Ion:252 Resp: 1761
Ion Ratio Lower Upper
252 100
253 49.1 20.2 30.2#
125 34.9 9.0 13.4#





#26
Benzo(a)pyrene
Concen: 0.065 ng/ul
RT: 23.697 min Scan# 4939
Delta R.T. -0.009 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

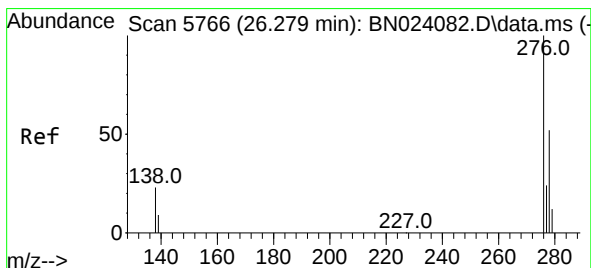
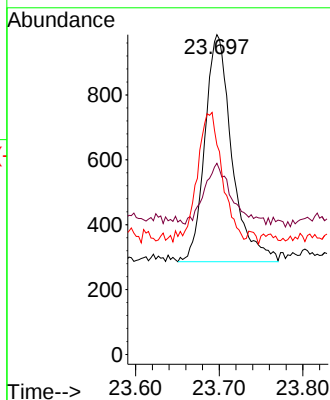
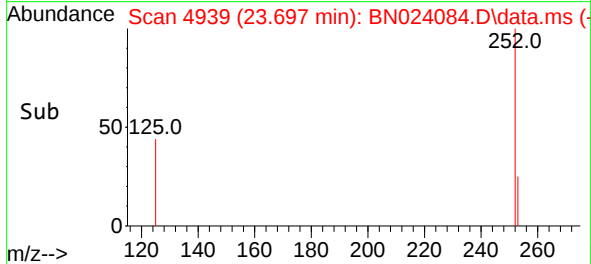
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion:252 Resp: 1572
Ion Ratio Lower Upper
252 100
253 59.7 21.5 32.3
125 65.5 11.2 16.8

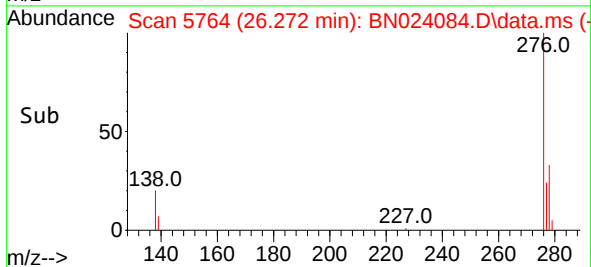
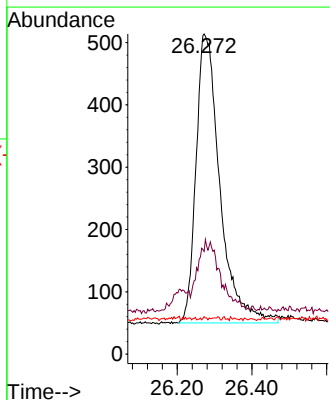
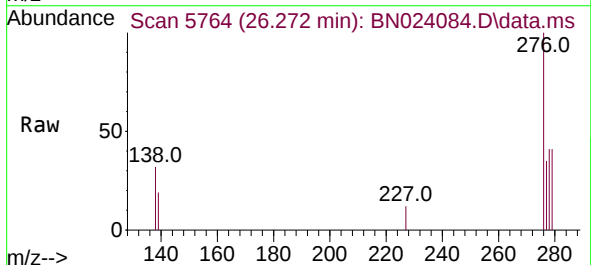
Manual Integrations
APPROVED

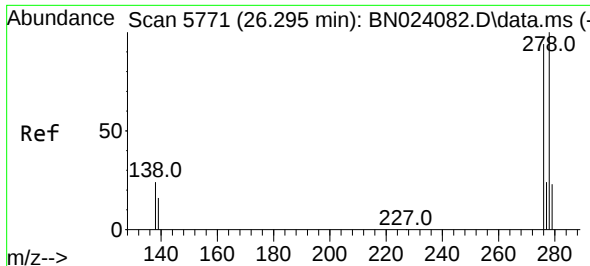
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.061 ng/ul
RT: 26.272 min Scan# 5764
Delta R.T. -0.020 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

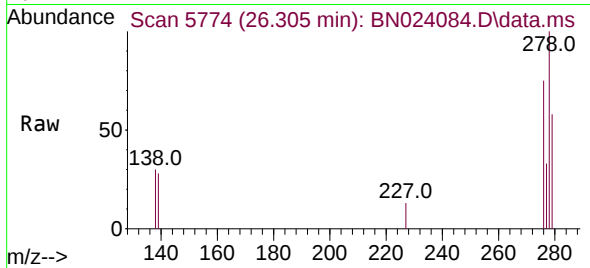
Tgt Ion:276 Resp: 2061
Ion Ratio Lower Upper
276 100
138 24.0 17.0 25.6
227 0.1 0.2 0.4





#28
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 26.305 min Scan# 5774
Delta R.T. -0.003 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57

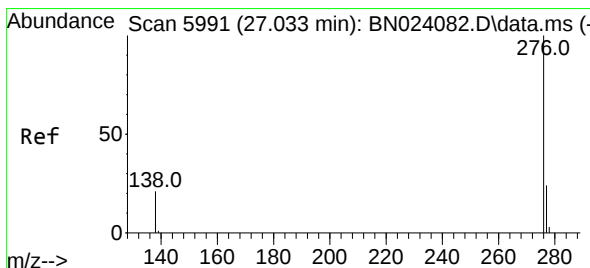
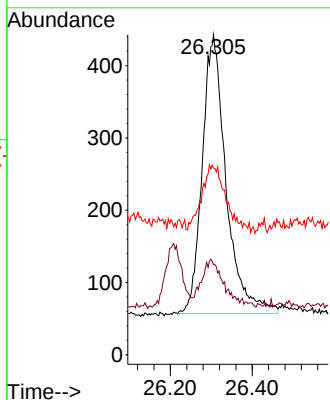
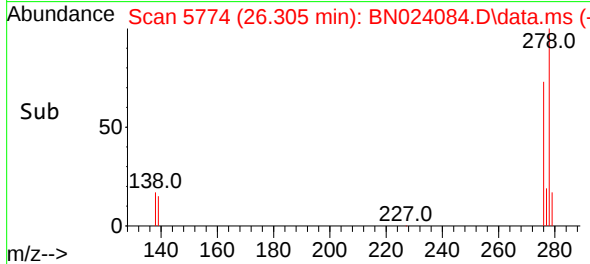
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02



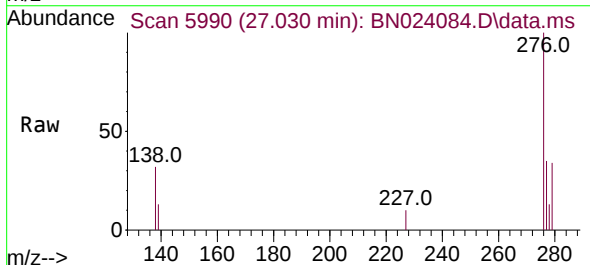
Tgt Ion:278 Resp: 1563
Ion Ratio Lower Upper
278 100
139 28.2 12.3 18.5#
279 58.2 21.4 32.0#

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#29
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 27.030 min Scan# 5990
Delta R.T. -0.017 min
Lab File: BN024084.D
Acq: 22 Feb 2023 10:57



Tgt Ion:276 Resp: 1828
Ion Ratio Lower Upper
276 100
138 32.2 15.3 22.9#
277 35.2 19.9 29.9#

