

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
 Data File : BN028319.D
 Acq On : 18 Oct 2023 11:40
 Operator : MA/JU
 Sample : 02215-02
 Misc : SFAM-MDL-WATER-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Oct 18 12:43:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 16:16:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.895	152	2328	0.400	ng/ul	0.00
4) Naphthalene-d8	10.724	136	7945	0.400	ng/ul #	0.01
9) Acenaphthene-d10	14.546	164	4777	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.308	188	10636	0.400	ng/ul	0.00
17) Chrysene-d12	21.495	240	10568	0.400	ng/ul	0.00
23) Perylene-d12	23.942	264	10937	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.262	96	1392	0.476	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.319	152	4446	0.347	ng/ul	0.02
18) Fluoranthene-d10	19.329	212	13107	0.391	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.300	88	300m	0.097	ng/ul	
5) Naphthalene	10.779	128	1550	0.069	ng/ul#	76
7) 2-Methylnaphthalene	12.401	142	928	0.065	ng/ul	99
8) 1-Methylnaphthalene	12.605	142	975	0.066	ng/ul	97
10) Acenaphthylene	14.282	152	1489	0.069	ng/ul#	85
11) Acenaphthene	14.610	153	1246	0.072	ng/ul	95
12) Fluorene	15.614	166	1358	0.071	ng/ul#	96
14) Pentachlorophenol	16.966	266	166	0.073	ng/ul	92
15) Phenanthrene	17.350	178	2259	0.071	ng/ul#	89
16) Anthracene	17.455	178	1797	0.063	ng/ul#	86
19) Fluoranthene	19.362	202	2707	0.067	ng/ul#	91
20) Pyrene	19.734	202	2857	0.068	ng/ul#	93
21) Benzo(a)anthracene	21.481	228	2614	0.068	ng/ul	94
22) Chrysene	21.533	228	2799	0.072	ng/ul	96
24) Benzo(b)fluoranthene	23.188	252	2880	0.071	ng/ul#	61
25) Benzo(k)fluoranthene	23.237	252	2914	0.072	ng/ul#	63
26) Benzo(a)pyrene	23.837	252	2516	0.073	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	26.522	276	3197	0.076	ng/ul	100
28) Dibenzo(a,h)anthracene	26.532	278	2556	0.075	ng/ul#	68
29) Benzo(g,h,i)perylene	27.324	276	2742	0.080	ng/ul#	83

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

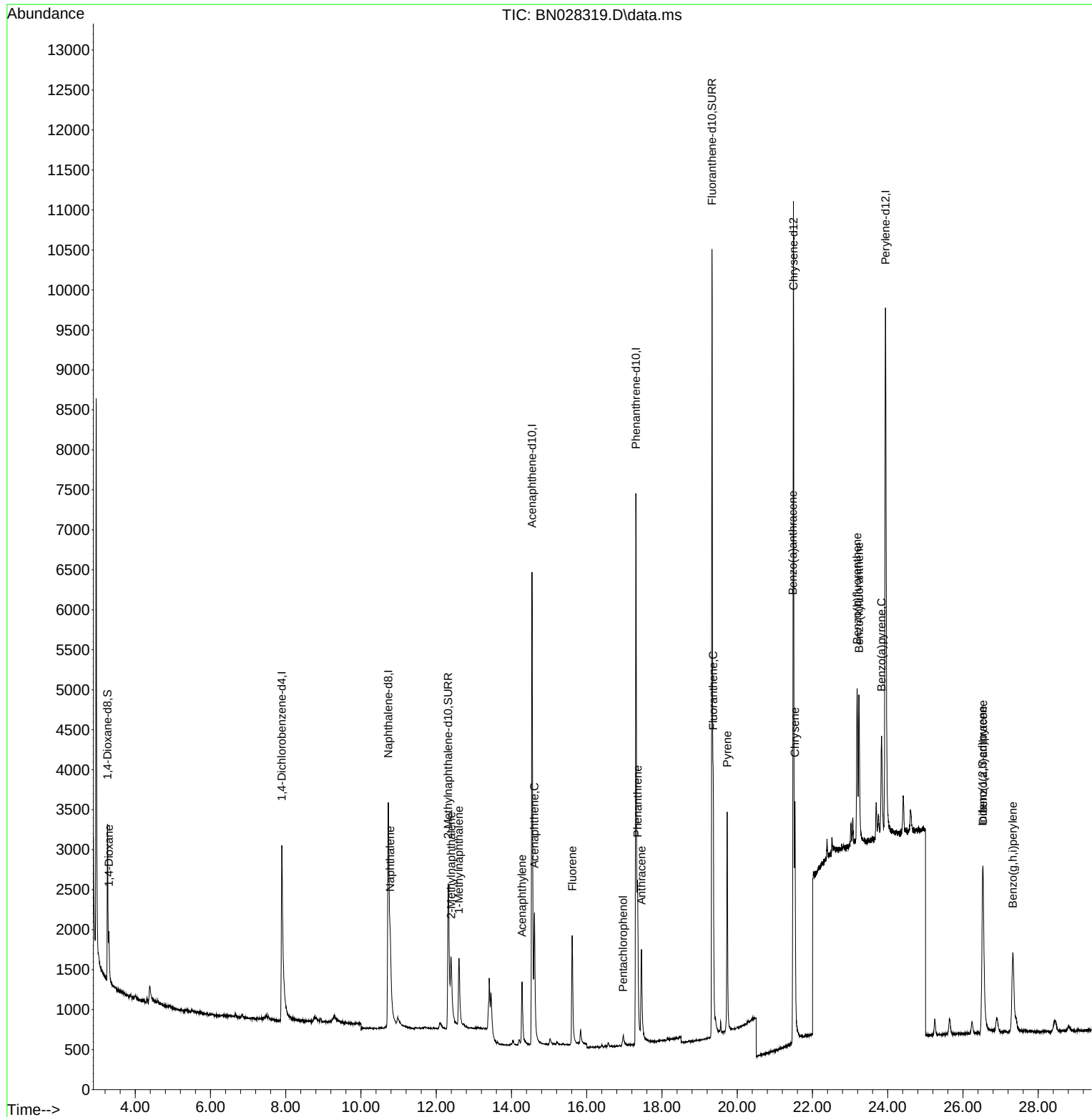
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
Data File : BN028319.D
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ALS Vial : 5 Sample Multiplier: 1

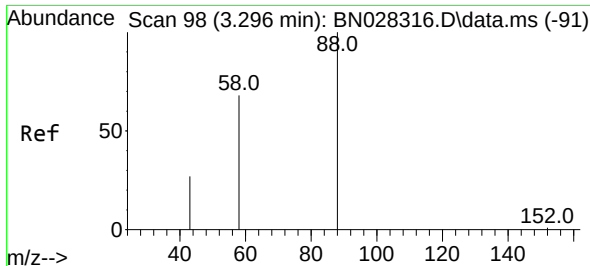
Instrument :
BNA_N
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MDL-WATER-QT2-2023-04

Quant Time: Oct 18 12:43:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

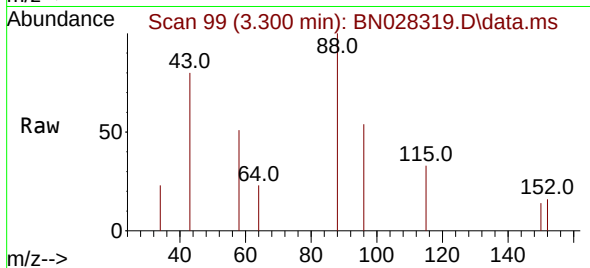
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#2
1,4-Dioxane
Concen: 0.097 ng/ul m
RT: 3.300 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

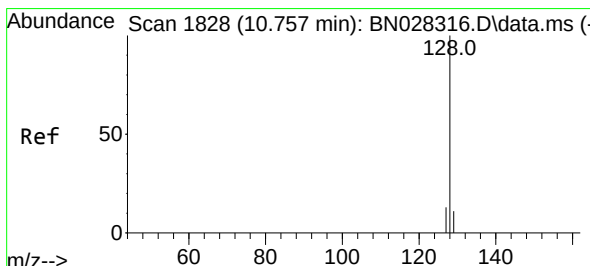
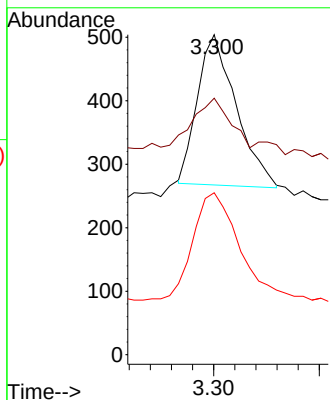
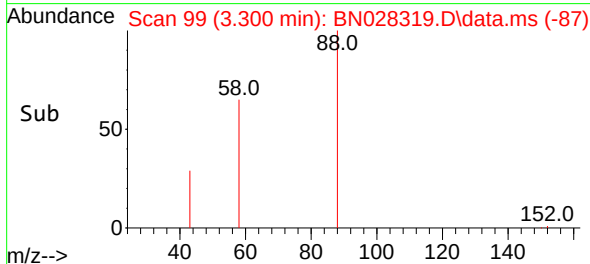
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 88 Resp: 300
Ion Ratio Lower Upper
88 100
43 80.2 33.4 50.2
58 50.6 45.7 68.5

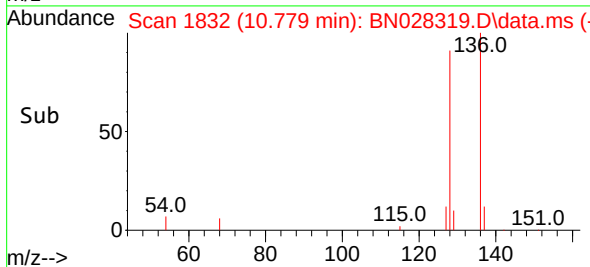
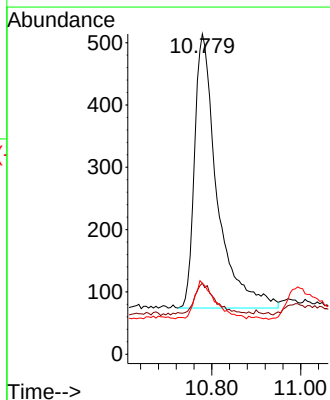
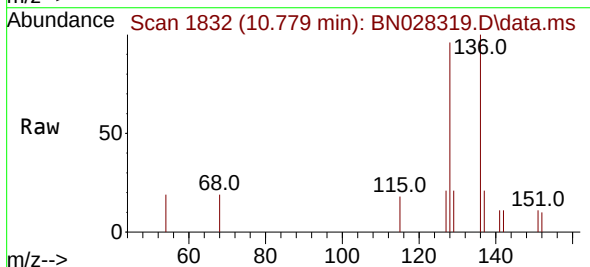
Manual Integrations
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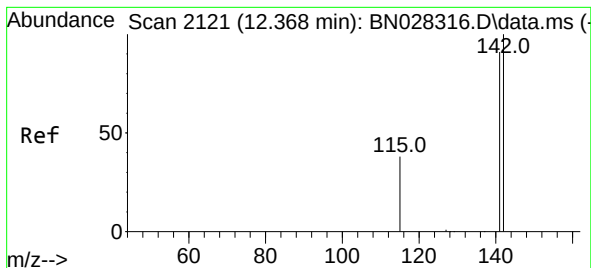
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.779 min Scan# 1832
Delta R.T. 0.016 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

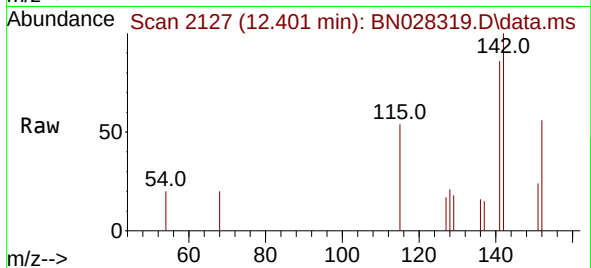
Tgt Ion:128 Resp: 1550
Ion Ratio Lower Upper
128 100
129 22.2 9.4 14.0#
127 22.2 11.0 16.4#





#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.401 min Scan# 2127
Delta R.T. 0.022 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

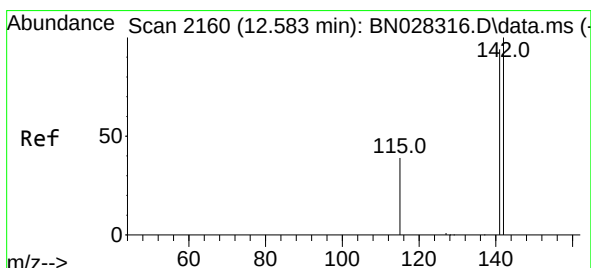
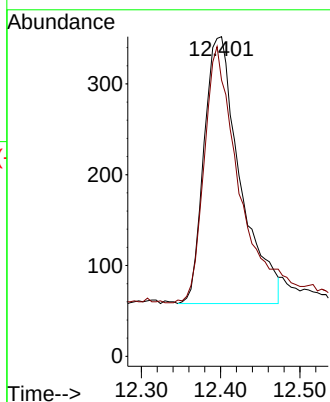
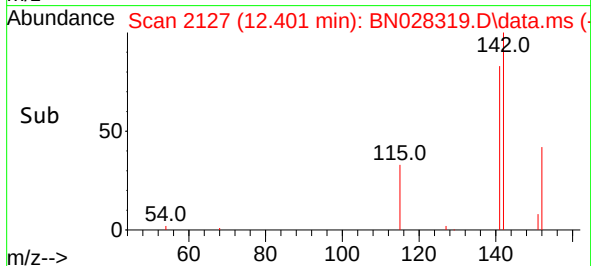
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2023-04



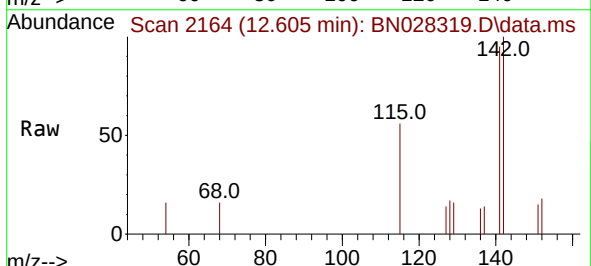
Tgt Ion:142 Resp: 928
Ion Ratio Lower Upper
142 100
141 89.7 70.9 106.3

Manual Integrations
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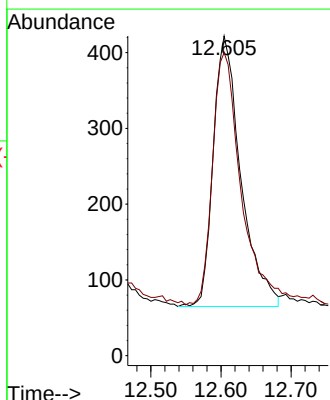
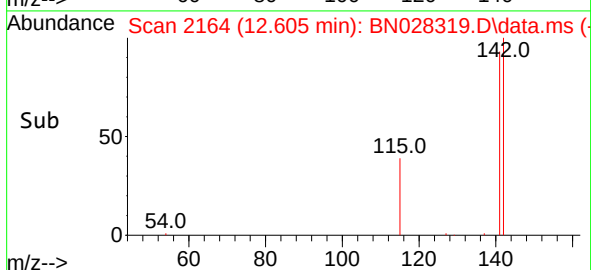
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

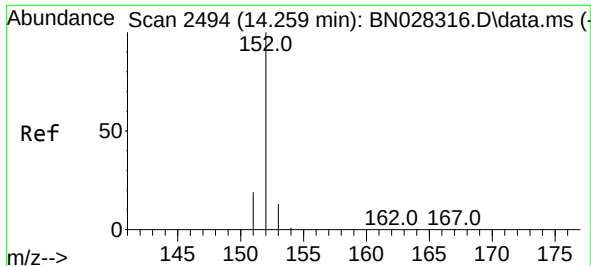


#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.605 min Scan# 2164
Delta R.T. 0.011 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40



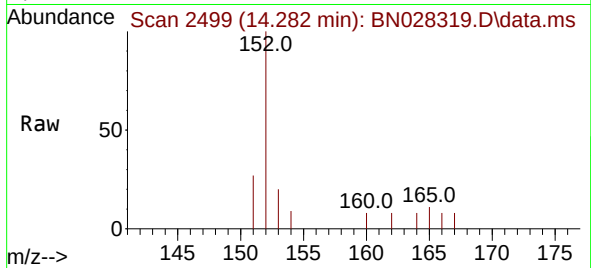
Tgt Ion:142 Resp: 975
Ion Ratio Lower Upper
142 100
141 95.8 74.4 111.6





#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.282 min Scan# 2499
Delta R.T. 0.009 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

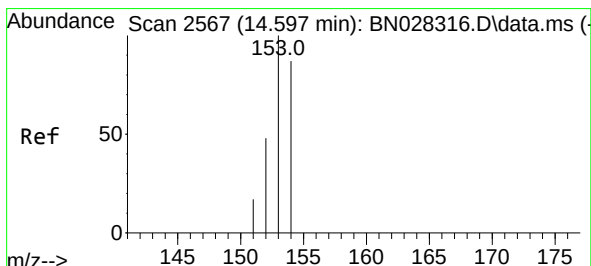
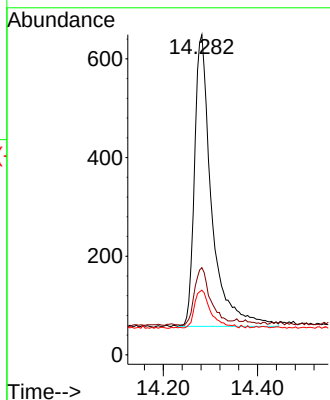
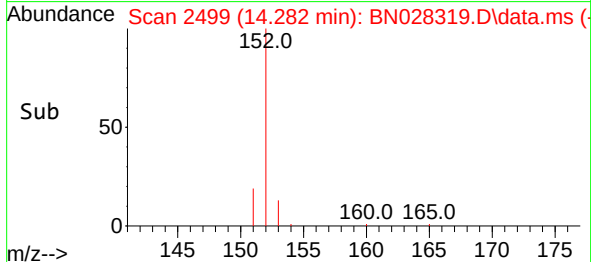
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:152 Resp: 1489
Ion Ratio Lower Upper
152 100
151 27.3 16.4 24.6
153 20.2 10.9 16.3

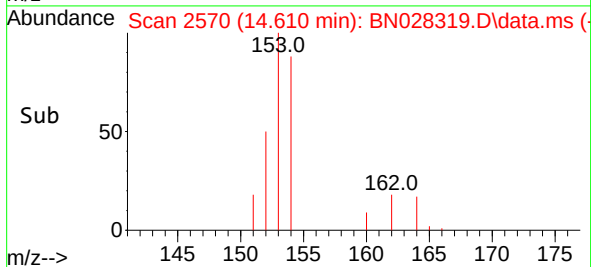
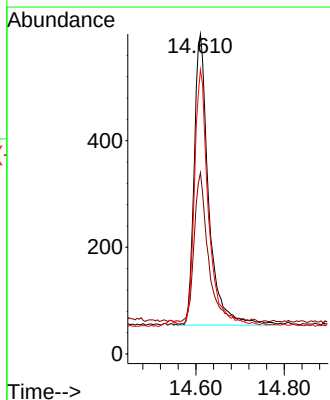
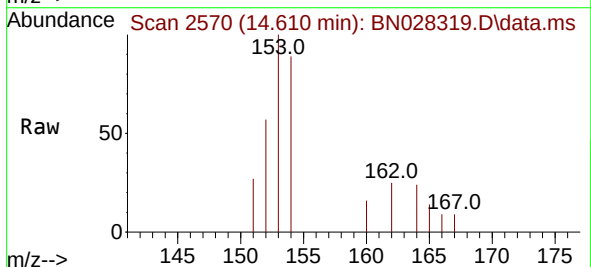
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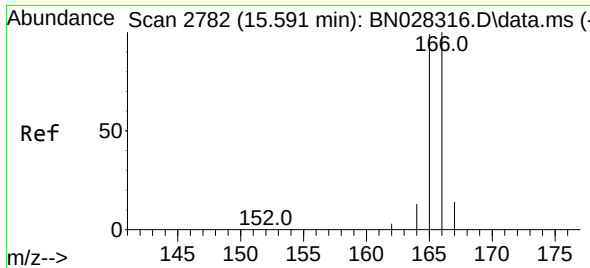
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#11
Acenaphthene
Concen: 0.072 ng/ul
RT: 14.610 min Scan# 2570
Delta R.T. 0.004 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

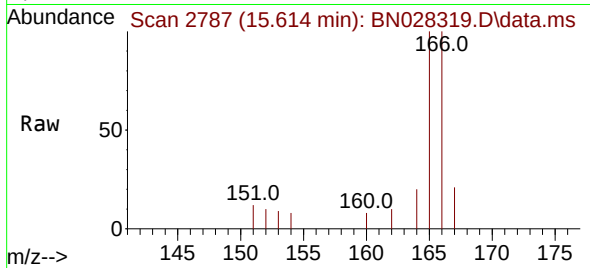
Tgt Ion:153 Resp: 1246
Ion Ratio Lower Upper
153 100
152 56.7 39.4 59.0
154 88.8 70.2 105.4





#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.614 min Scan# 21
Delta R.T. 0.014 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

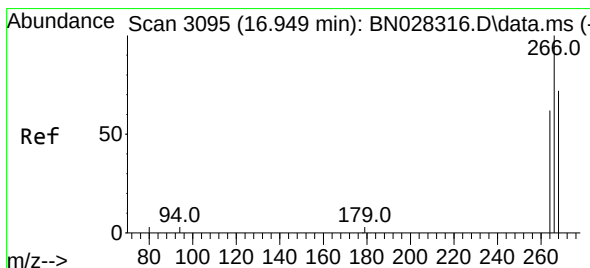
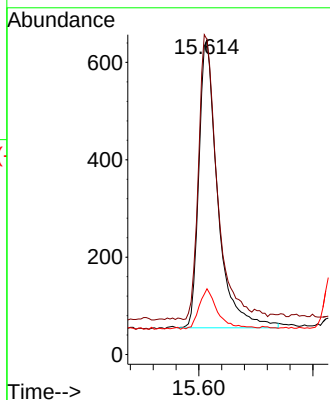
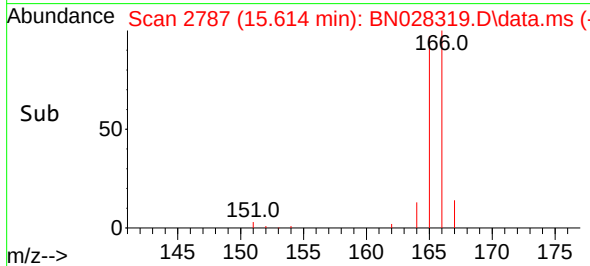
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BNA_N
ClientSampleId :
MDL-WATER-QT2-2023-04



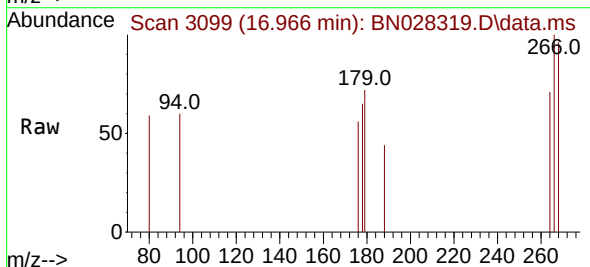
Tgt Ion:166 Resp: 135
Ion Ratio Lower Upper
166 100
165 100.2 78.5 117.7
167 20.9 11.2 16.8

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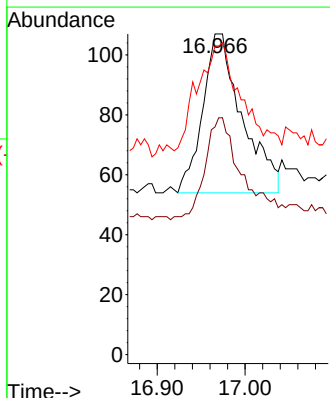
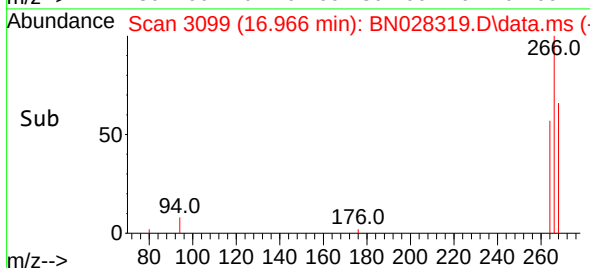
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

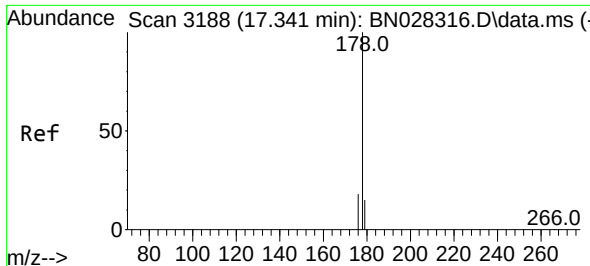


#14
Pentachlorophenol
Concen: 0.073 ng/ul
RT: 16.966 min Scan# 3099
Delta R.T. 0.004 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40



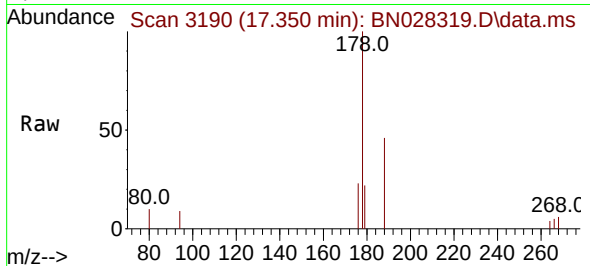
Tgt Ion:266 Resp: 166
Ion Ratio Lower Upper
266 100
264 60.8 49.6 74.4
268 76.5 52.2 78.4





#15
Phenanthrene
Concen: 0.071 ng/u1
RT: 17.350 min Scan# 3188
Delta R.T. 0.004 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

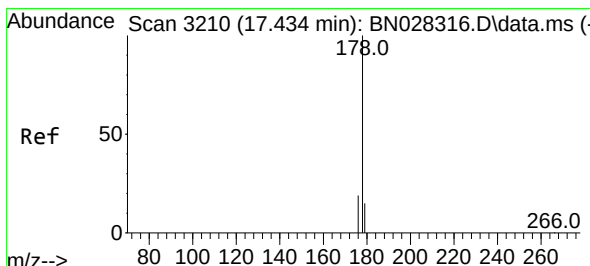
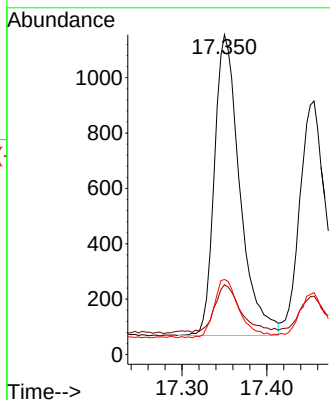
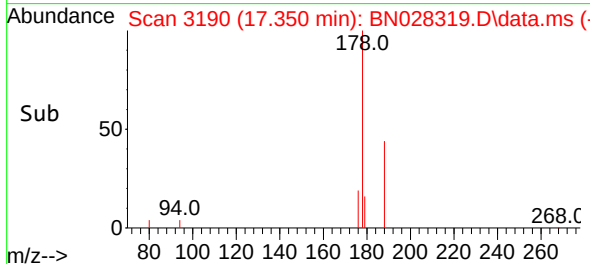
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:178 Resp: 2259
Ion Ratio Lower Upper
178 100
179 21.8 12.6 19.0#
176 23.5 15.5 23.3#

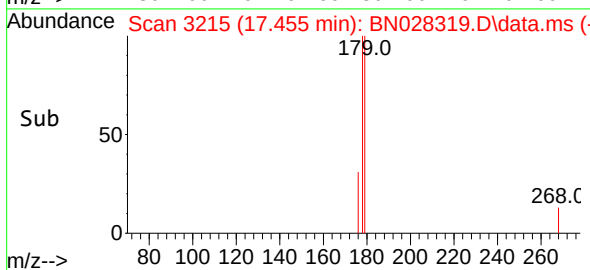
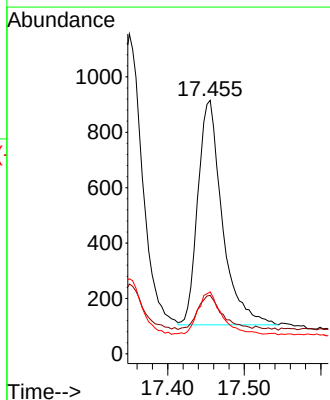
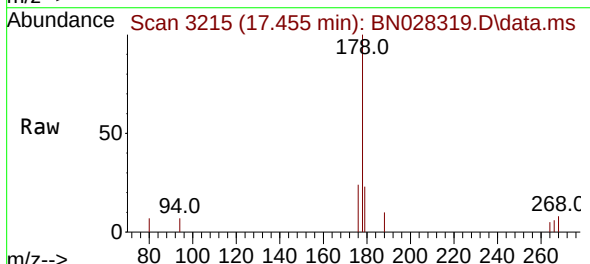
Manual Integrations
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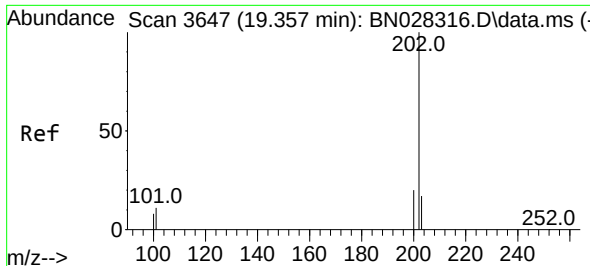
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#16
Anthracene
Concen: 0.063 ng/u1
RT: 17.455 min Scan# 3215
Delta R.T. 0.013 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

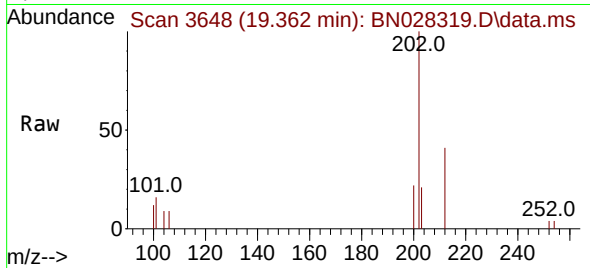
Tgt Ion:178 Resp: 1797
Ion Ratio Lower Upper
178 100
179 23.1 12.8 19.2#
176 24.5 15.0 22.6#





#19
Fluoranthene
Concen: 0.067 ng/u1
RT: 19.362 min Scan# 3648
Delta R.T. -0.004 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

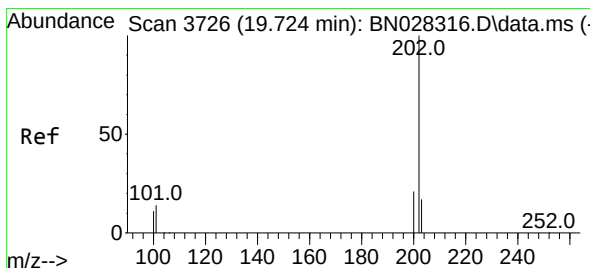
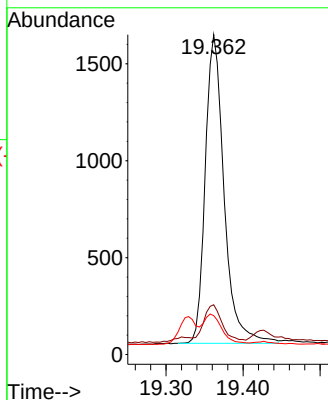
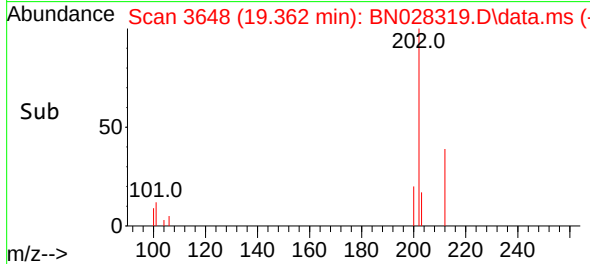
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT2-2023-04



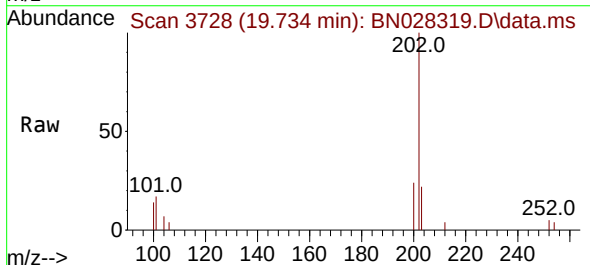
Tgt Ion:202 Resp: 2707
Ion Ratio Lower Upper
202 100
101 15.6 9.6 14.4
100 12.2 7.4 11.0

Manual Integrations
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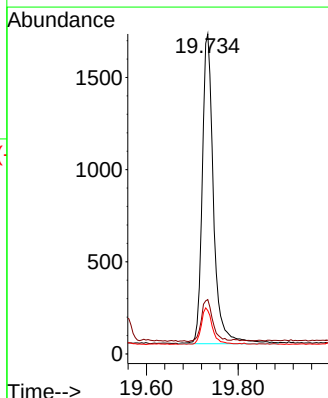
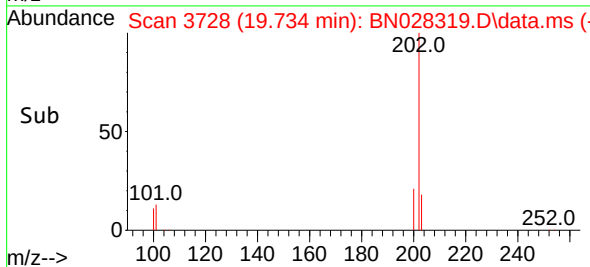
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

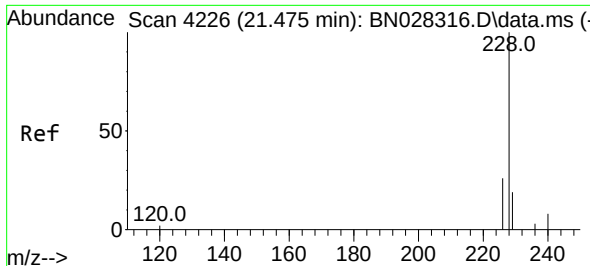


#20
Pyrene
Concen: 0.068 ng/u1
RT: 19.734 min Scan# 3728
Delta R.T. 0.000 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40



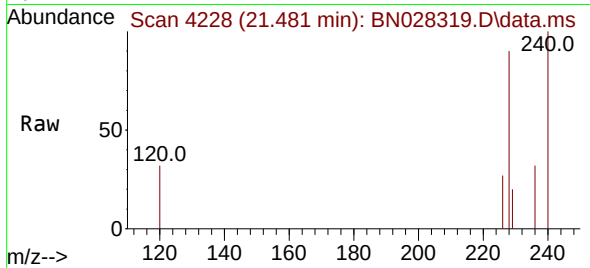
Tgt Ion:202 Resp: 2857
Ion Ratio Lower Upper
202 100
101 17.0 11.2 16.8
100 13.5 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.068 ng/ul
RT: 21.481 min Scan# 4226
Delta R.T. -0.003 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

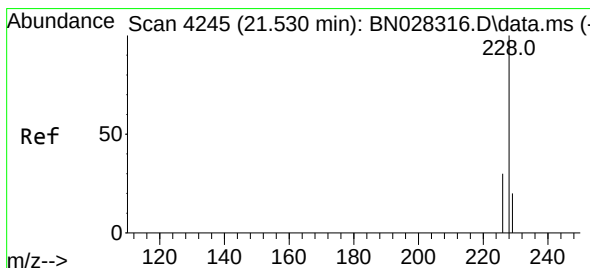
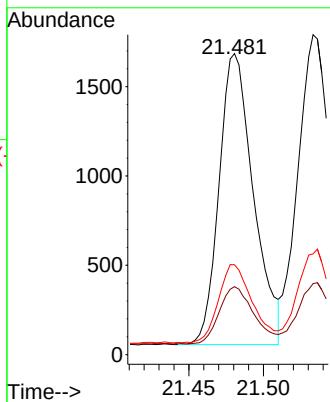
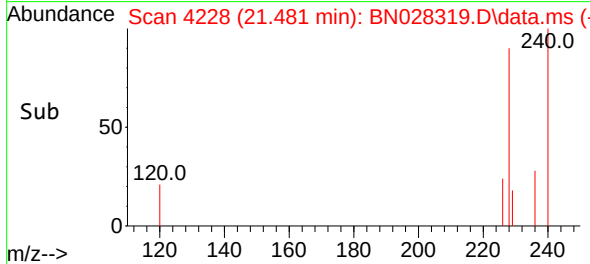
Instrument :
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MDL-WATER-QT2-2023-04



Tgt Ion:228 Resp: 2614
Ion Ratio Lower Upper
228 100
229 22.6 16.0 24.0
226 29.9 21.5 32.3

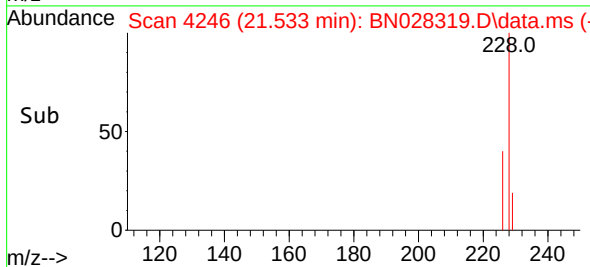
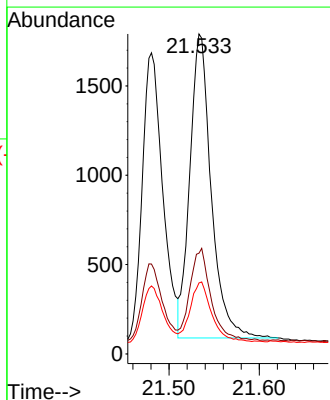
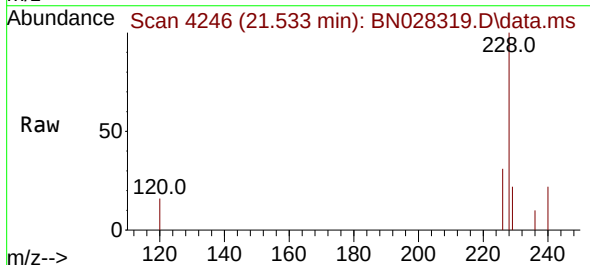
Manual Integrations
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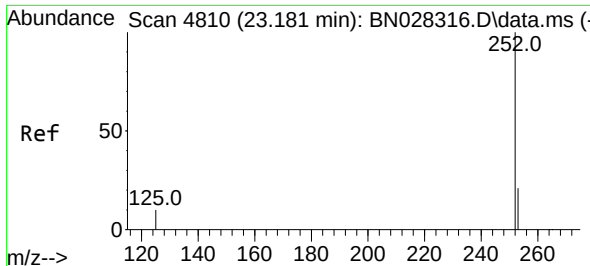
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#22
Chrysene
Concen: 0.072 ng/ul
RT: 21.533 min Scan# 4246
Delta R.T. -0.003 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

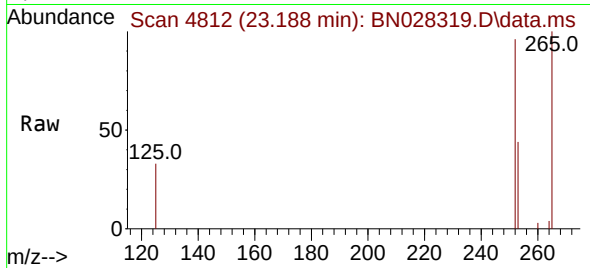
Tgt Ion:228 Resp: 2799
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 22.2 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.071 ng/ul
RT: 23.188 min Scan# 4810
Delta R.T. -0.006 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

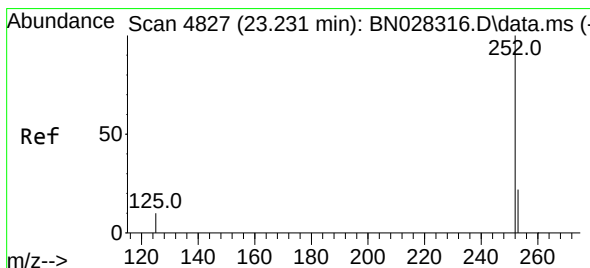
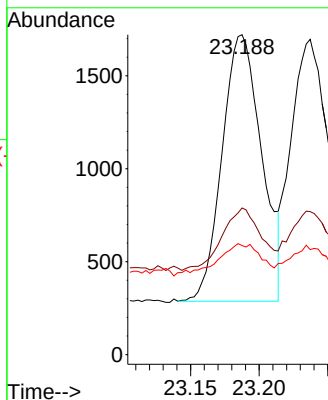
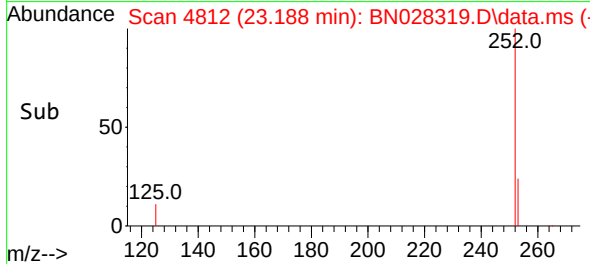
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2023-04



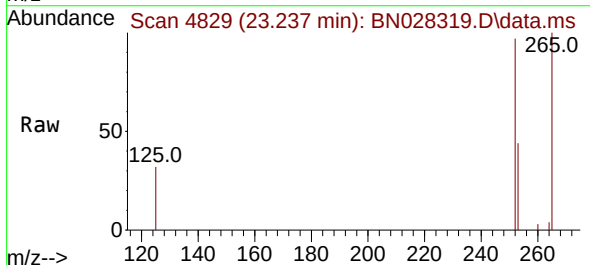
Tgt Ion:252 Resp: 2880
Ion Ratio Lower Upper
252 100
253 45.8 0.0 54.0
125 34.1 0.0 31.4

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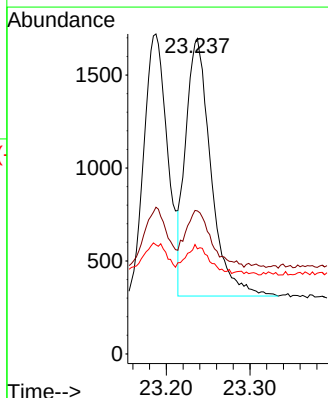
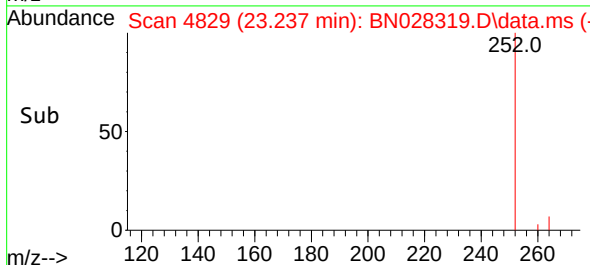
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

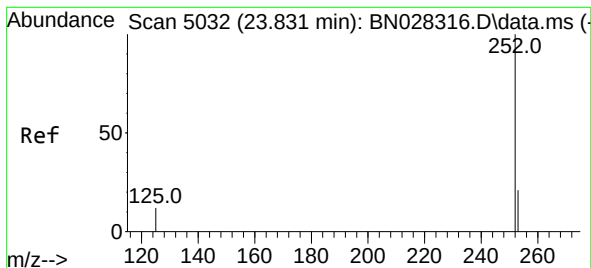


#25
Benzo(k)fluoranthene
Concen: 0.072 ng/ul
RT: 23.237 min Scan# 4829
Delta R.T. -0.003 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40



Tgt Ion:252 Resp: 2914
Ion Ratio Lower Upper
252 100
253 45.3 21.8 32.8#
125 33.3 12.8 19.2#





#26

Benzo(a)pyrene

Concen: 0.073 ng/ul

RT: 23.837 min Scan# 5032

Delta R.T. -0.006 min

Lab File: BN028319.D

Acq: 18 Oct 2023 11:40

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT2-2023-04

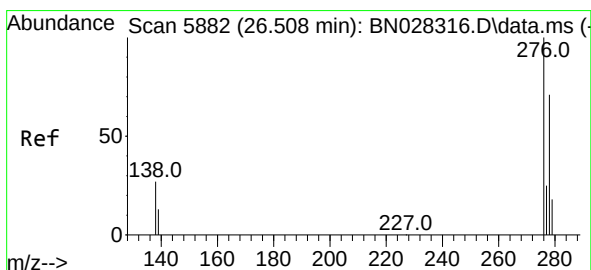
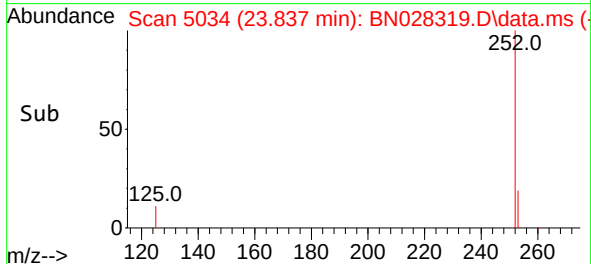
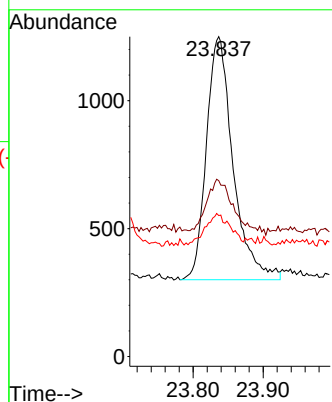
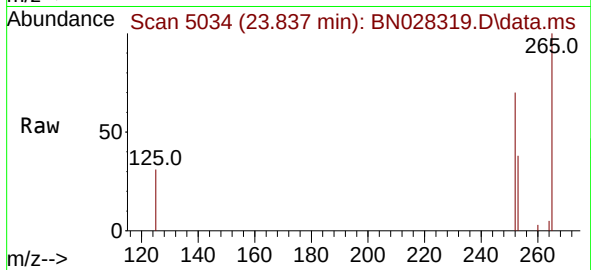
Tgt Ion:	252	Resp:	2510
Ion Ratio	Lower	Upper	
252	100		
253	55.0	23.4	35.2
125	44.1	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.076 ng/ul

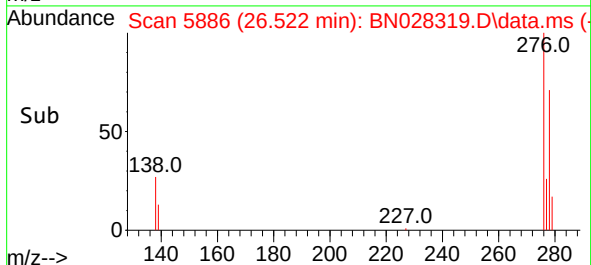
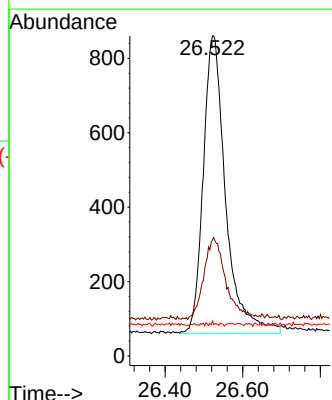
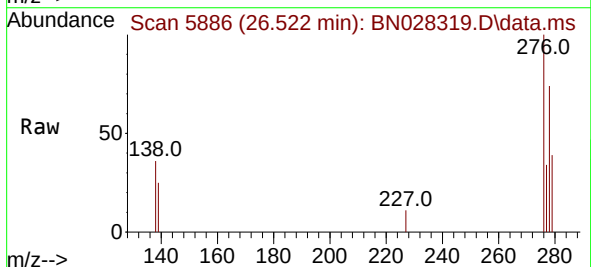
RT: 26.522 min Scan# 5886

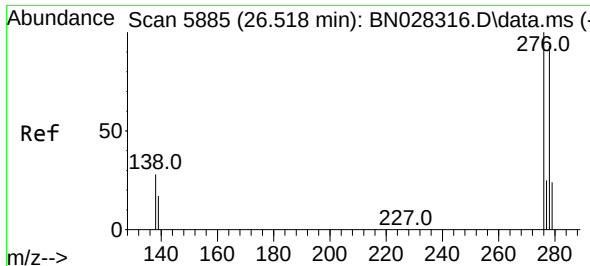
Delta R.T. -0.003 min

Lab File: BN028319.D

Acq: 18 Oct 2023 11:40

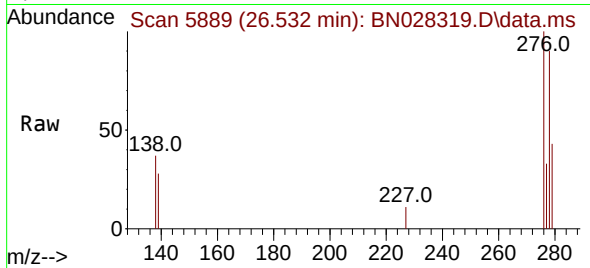
Tgt Ion:	276	Resp:	3197
Ion Ratio	Lower	Upper	
276	100		
138	27.2	21.6	32.4
227	0.2	0.2	0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.075 ng/ul
RT: 26.532 min Scan# 5889
Delta R.T. -0.013 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40

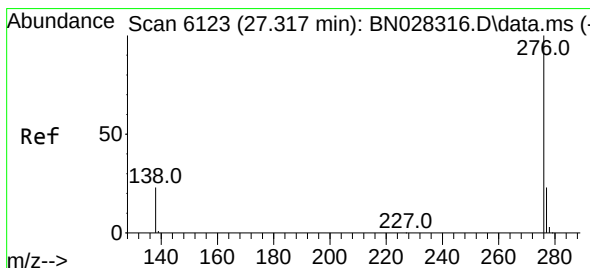
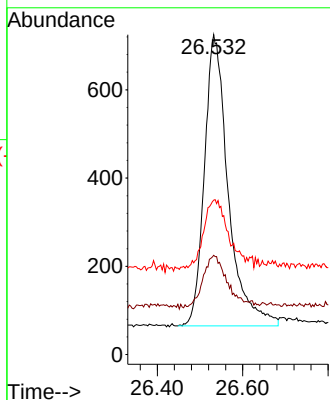
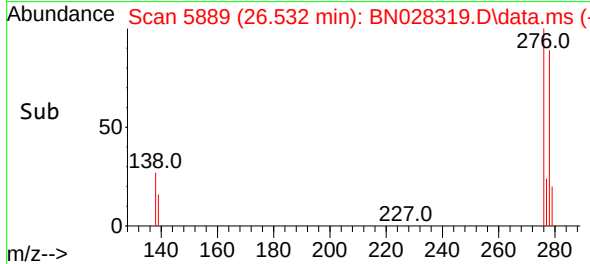
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT2-2023-04



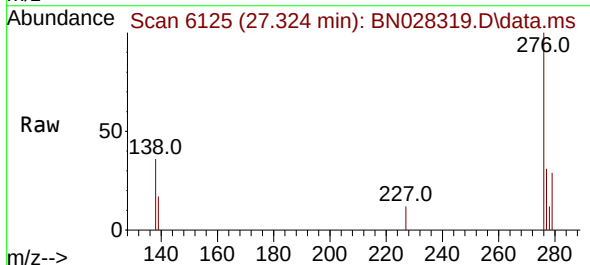
Tgt Ion:278 Resp: 2550
Ion Ratio Lower Upper
278 100
139 31.0 15.9 23.9#
279 48.3 22.8 34.2#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#29
Benzo(g,h,i)perylene
Concen: 0.080 ng/ul
RT: 27.324 min Scan# 6125
Delta R.T. -0.006 min
Lab File: BN028319.D
Acq: 18 Oct 2023 11:40



Tgt Ion:276 Resp: 2742
Ion Ratio Lower Upper
276 100
138 35.8 19.8 29.6#
277 31.4 20.6 31.0#

