

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
 Data File : BN028321.D
 Acq On : 18 Oct 2023 13:04
 Operator : MA/JU
 Sample : 03573-02
 Misc : SFAM-MDL-WATER-02
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Oct 18 13:42:38 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	7.891	152	2211	0.400	ng/ul	0.00
4) Naphthalene-d8	10.724	136	7238	0.400	ng/ul #	0.01
9) Acenaphthene-d10	14.546	164	4253	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.308	188	9064	0.400	ng/ul	0.00
17) Chrysene-d12	21.495	240	9323	0.400	ng/ul	0.00
23) Perylene-d12	23.945	264	10074	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	1202	0.433	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.319	152	3991	0.342	ng/ul	0.02
18) Fluoranthene-d10	19.329	212	11248	0.380	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.296	88	293m	0.100	ng/ul	
5) Naphthalene	10.773	128	1423	0.069	ng/ul#	76
7) 2-Methylnaphthalene	12.390	142	844	0.065	ng/ul	95
8) 1-Methylnaphthalene	12.599	142	899	0.067	ng/ul	97
10) Acenaphthylene	14.277	152	1313	0.068	ng/ul#	80
11) Acenaphthene	14.610	153	1065	0.069	ng/ul	96
12) Fluorene	15.614	166	1193	0.070	ng/ul#	98
14) Pentachlorophenol	16.970	266	184	0.095	ng/ul#	86
15) Phenanthrene	17.350	178	1950	0.072	ng/ul#	89
16) Anthracene	17.451	178	1533	0.063	ng/ul#	83
19) Fluoranthene	19.362	202	2352	0.066	ng/ul#	92
20) Pyrene	19.734	202	2449	0.066	ng/ul	94
21) Benzo(a)anthracene	21.484	228	2281	0.067	ng/ul	93
22) Chrysene	21.536	228	2476	0.072	ng/ul	94
24) Benzo(b)fluoranthene	23.191	252	2656	0.071	ng/ul#	60
25) Benzo(k)fluoranthene	23.240	252	2823	0.076	ng/ul#	58
26) Benzo(a)pyrene	23.837	252	2317	0.073	ng/ul#	42
27) Indeno(1,2,3-cd)pyrene	26.526	276	3098	0.080	ng/ul	98
28) Dibenzo(a,h)anthracene	26.543	278	2486	0.079	ng/ul#	60
29) Benzo(g,h,i)perylene	27.338	276	2726	0.087	ng/ul#	85

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

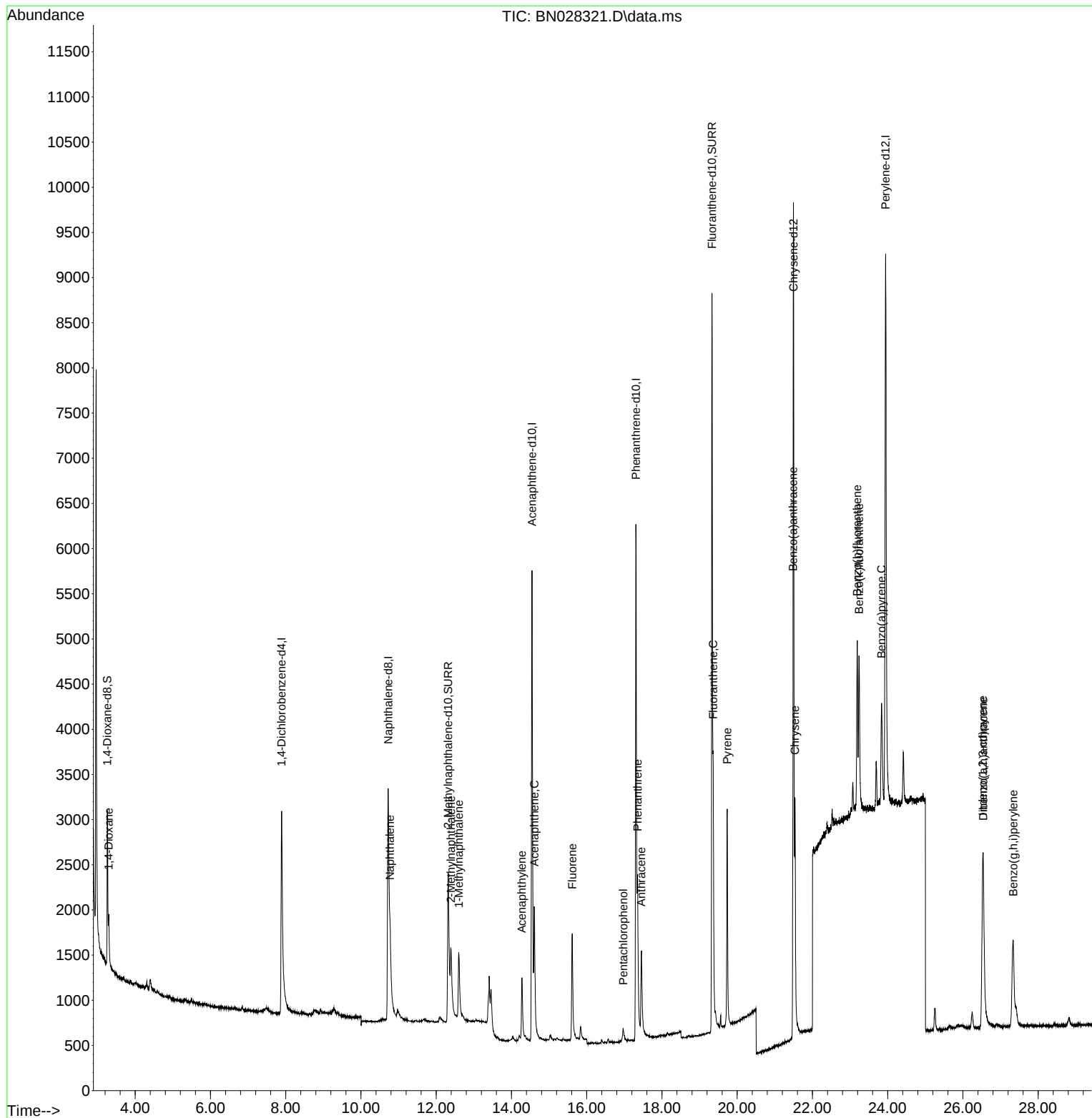
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
Data File : BN028321.D
Acq On : 18 Oct 2023 13:04
Operator : MA/JU
Sample : 03573-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 7 Sample Multiplier: 1

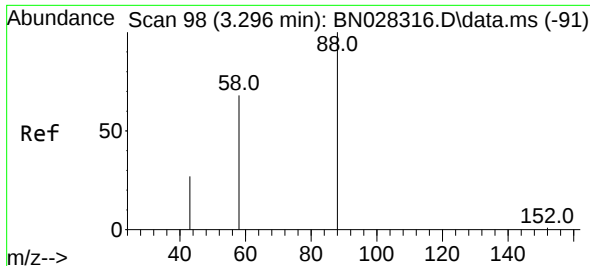
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06

Quant Time: Oct 18 13:42:38 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

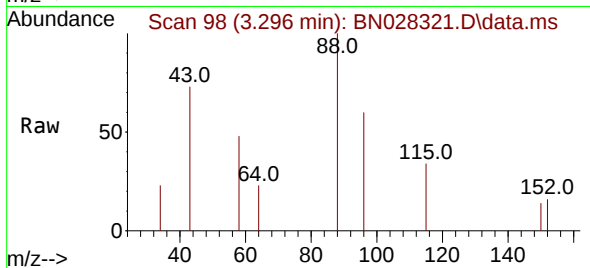
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#2
1,4-Dioxane
Concen: 0.100 ng/ul m
RT: 3.296 min Scan# 91
Delta R.T. -0.004 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

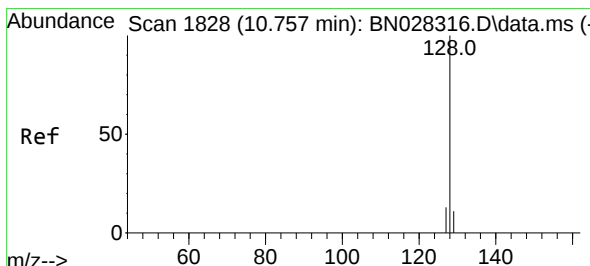
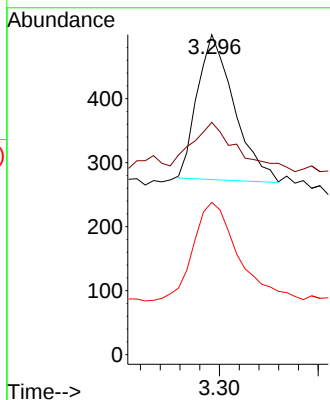
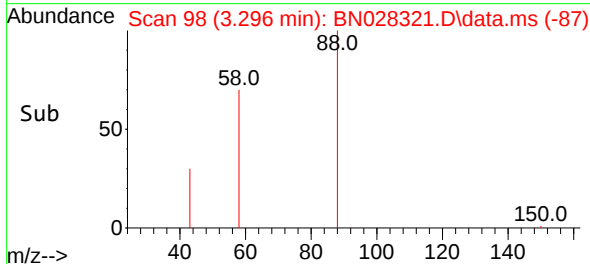
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 88 Resp: 291
Ion Ratio Lower Upper
88 100
43 72.6 33.4 50.2
58 47.6 45.7 68.5

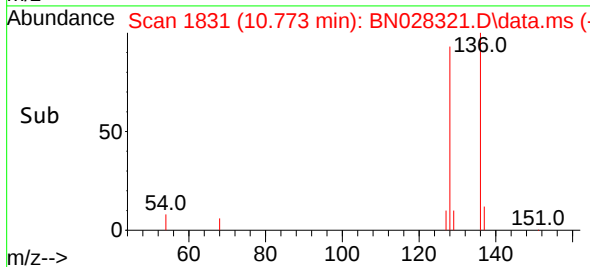
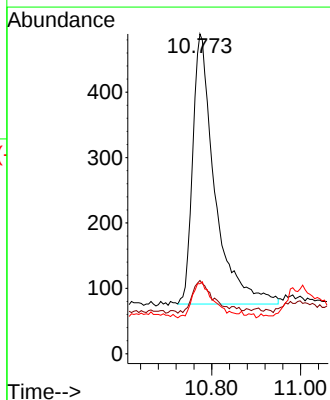
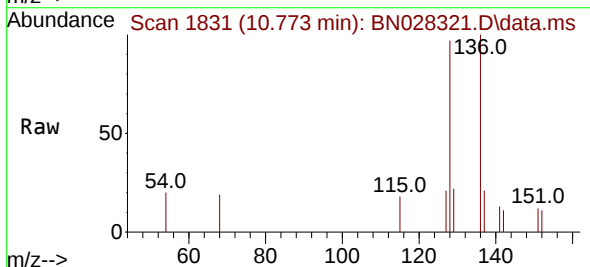
Manual Integrations
APPROVED

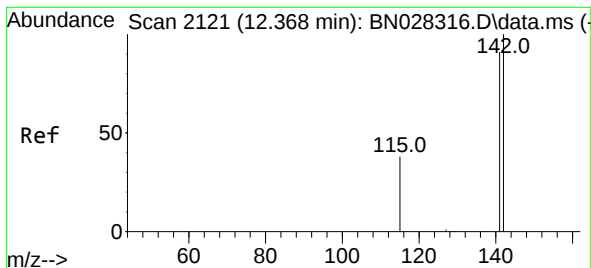
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.773 min Scan# 1831
Delta R.T. 0.011 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

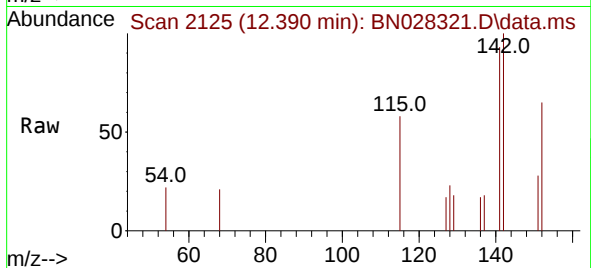
Tgt Ion:128 Resp: 1423
Ion Ratio Lower Upper
128 100
129 22.9 9.4 14.0#
127 21.9 11.0 16.4#





#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.390 min Scan# 2125
Delta R.T. 0.011 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

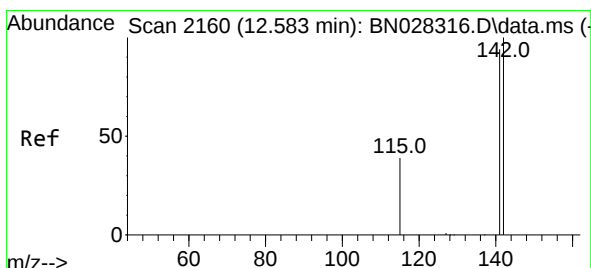
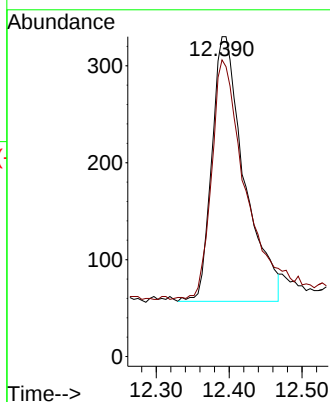
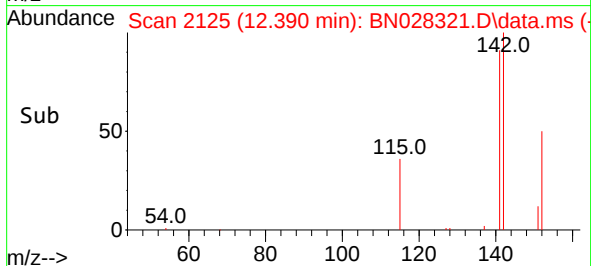
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



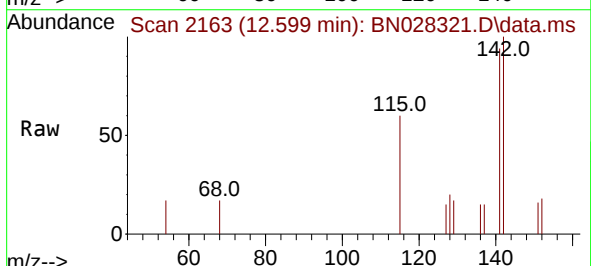
Tgt Ion:142 Resp: 844
Ion Ratio Lower Upper
142 100
141 93.2 70.9 106.3

Manual Integrations
APPROVED

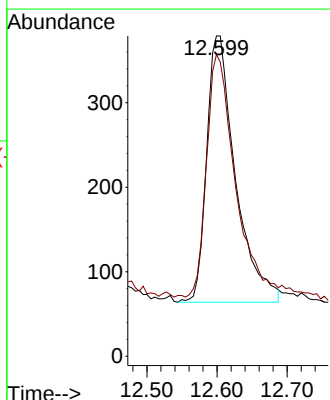
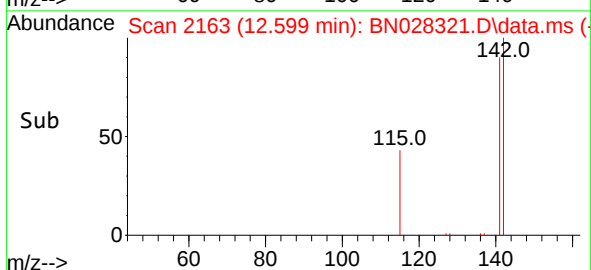
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

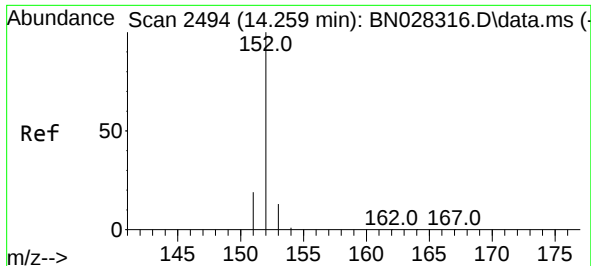


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.599 min Scan# 2163
Delta R.T. 0.005 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04



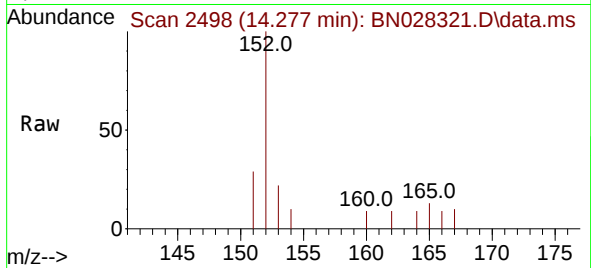
Tgt Ion:142 Resp: 899
Ion Ratio Lower Upper
142 100
141 90.4 74.4 111.6





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.277 min Scan# 2498
Delta R.T. 0.005 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

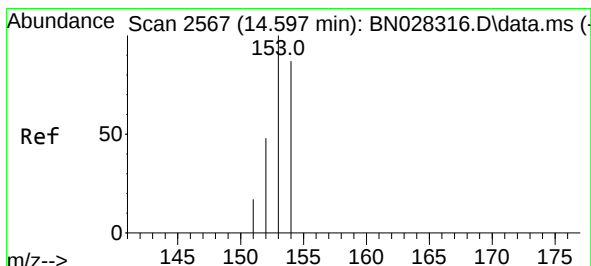
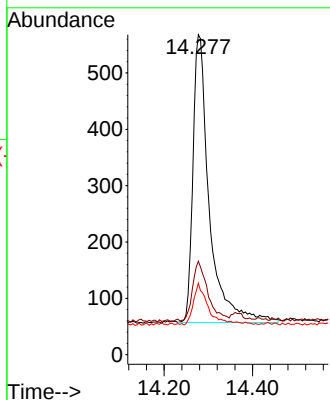
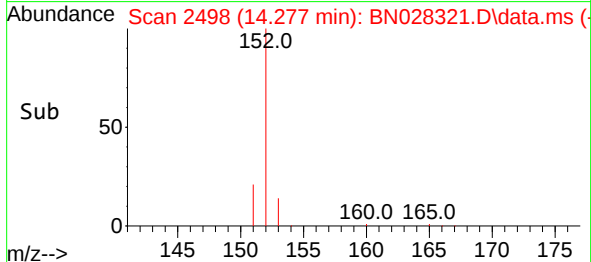
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:152 Resp: 131
Ion Ratio Lower Upper
152 100
151 29.2 16.4 24.6
153 22.4 10.9 16.3

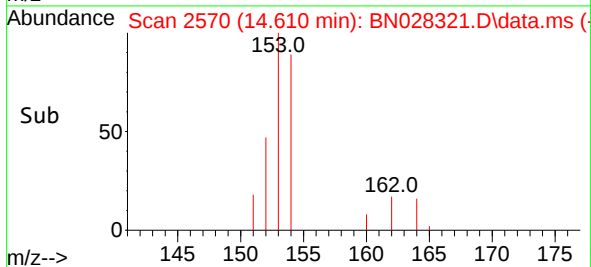
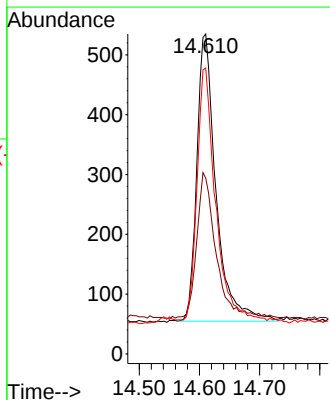
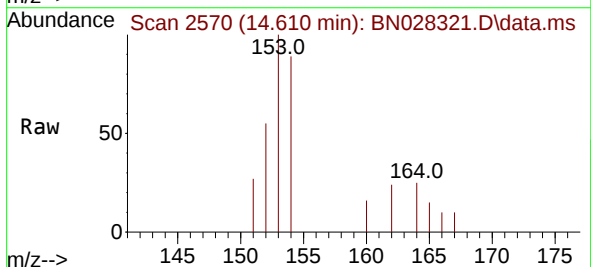
Manual Integrations
APPROVED

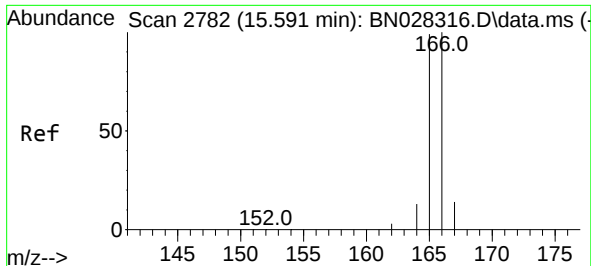
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.610 min Scan# 2570
Delta R.T. 0.005 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

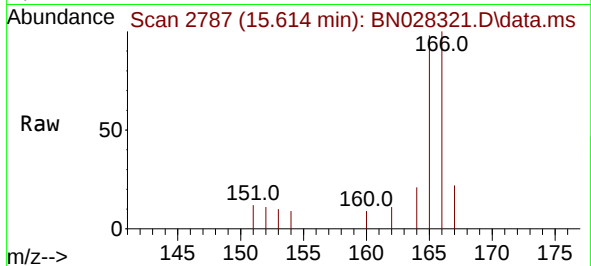
Tgt Ion:153 Resp: 1065
Ion Ratio Lower Upper
153 100
152 55.0 39.4 59.0
154 89.3 70.2 105.4





#12
Fluorene
Concen: 0.070 ng/ul
RT: 15.614 min Scan# 21
Delta R.T. 0.014 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

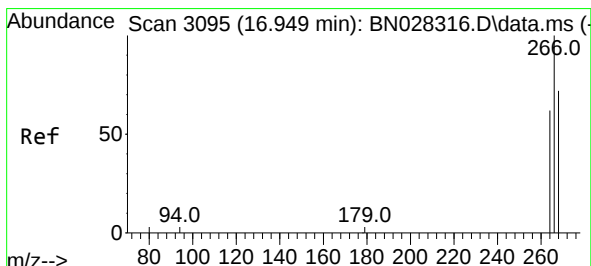
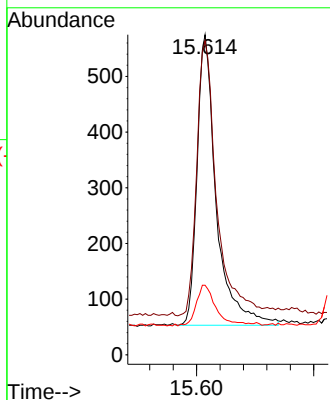
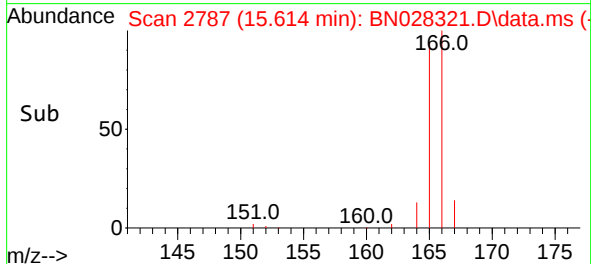
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:166 Resp: 119
Ion Ratio Lower Upper
166 100
165 98.1 78.5 117.7
167 21.7 11.2 16.8

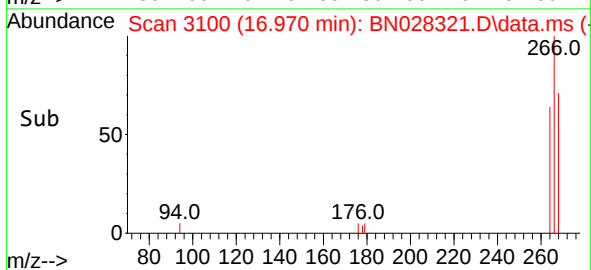
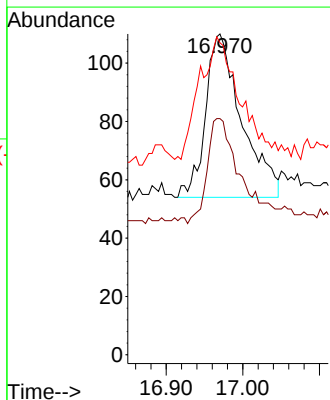
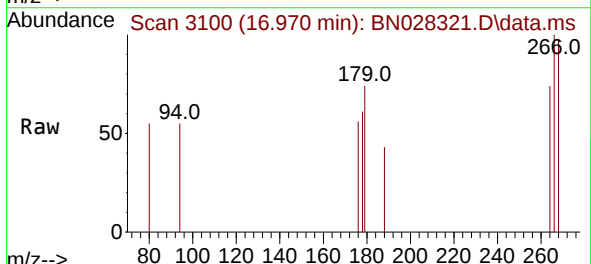
Manual Integrations
APPROVED

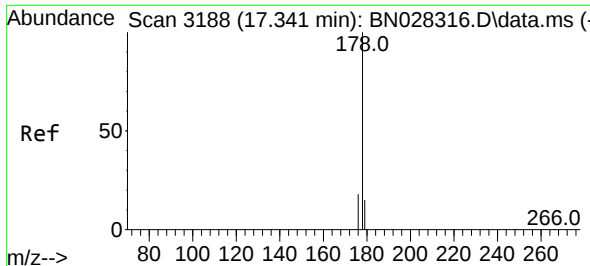
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#14
Pentachlorophenol
Concen: 0.095 ng/ul
RT: 16.970 min Scan# 3100
Delta R.T. 0.009 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

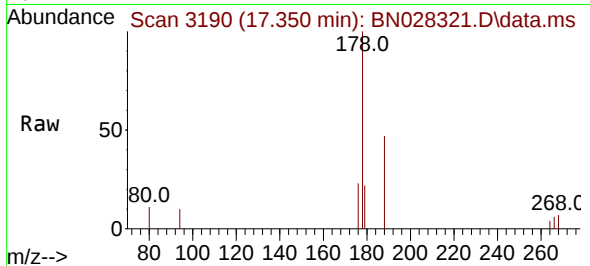
Tgt Ion:266 Resp: 184
Ion Ratio Lower Upper
266 100
264 59.2 49.6 74.4
268 83.7 52.2 78.4





#15
Phenanthrene
Concen: 0.072 ng/u1
RT: 17.350 min Scan# 3188
Delta R.T. 0.005 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

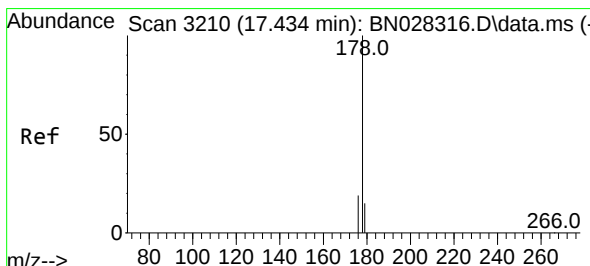
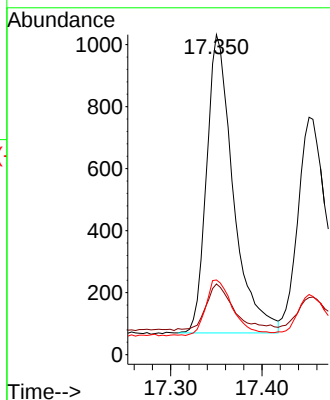
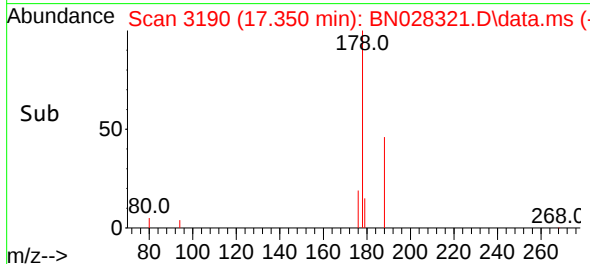
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:178 Resp: 1950
Ion Ratio Lower Upper
178 100
179 22.1 12.6 19.0#
176 23.4 15.5 23.3#

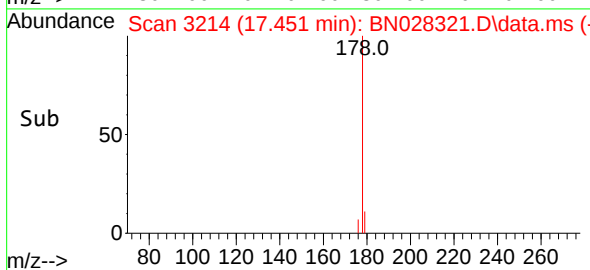
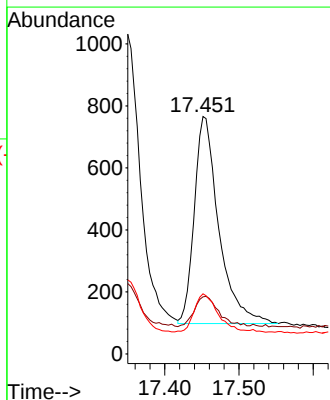
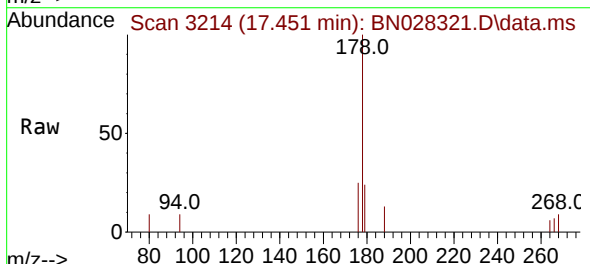
Manual Integrations
APPROVED

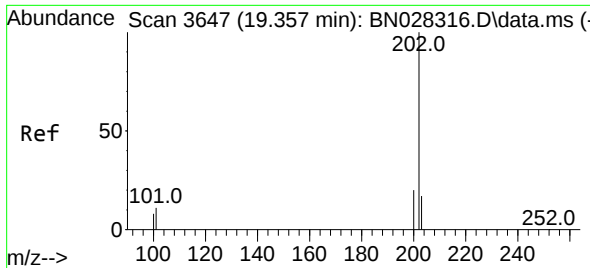
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#16
Anthracene
Concen: 0.063 ng/u1
RT: 17.451 min Scan# 3214
Delta R.T. 0.009 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

Tgt Ion:178 Resp: 1533
Ion Ratio Lower Upper
178 100
179 24.0 12.8 19.2#
176 25.3 15.0 22.6#





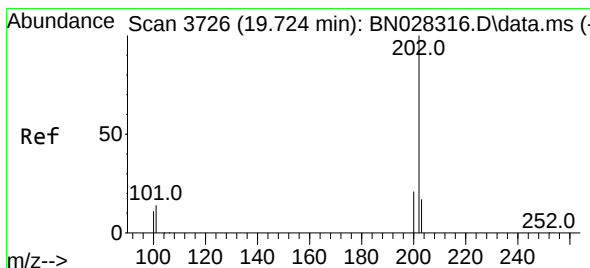
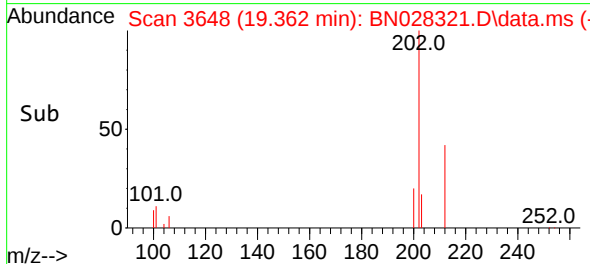
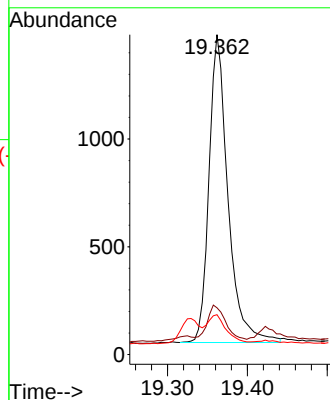
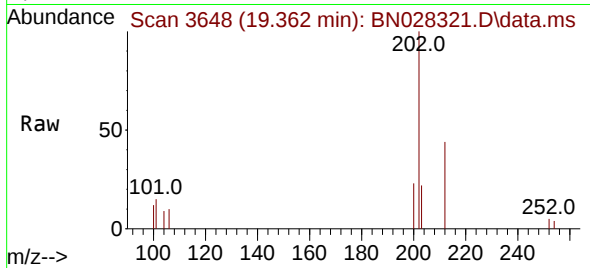
#19
Fluoranthene
Concen: 0.066 ng/ul
RT: 19.362 min Scan# 3648
Delta R.T. -0.004 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:202 Resp: 2352
Ion Ratio Lower Upper
202 100
101 14.6 9.6 14.4
100 12.5 7.4 11.0

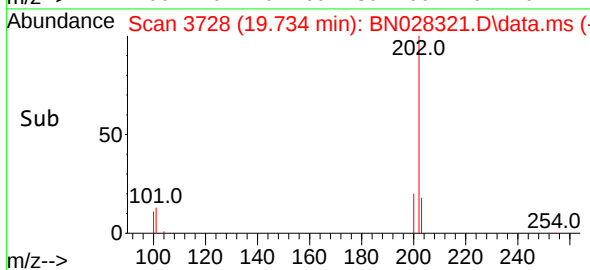
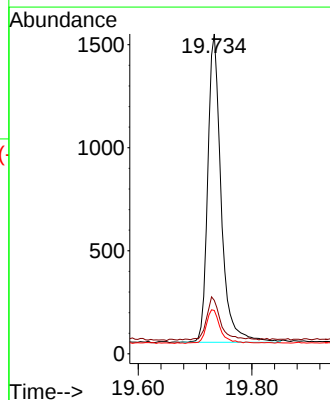
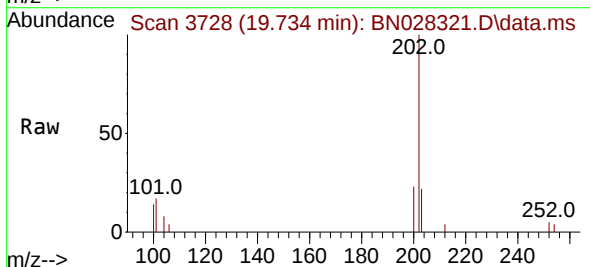
Manual Integrations
APPROVED

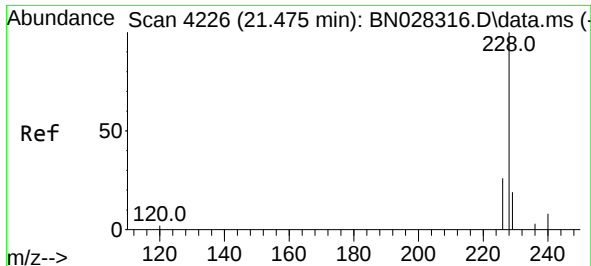
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#20
Pyrene
Concen: 0.066 ng/ul
RT: 19.734 min Scan# 3728
Delta R.T. 0.000 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

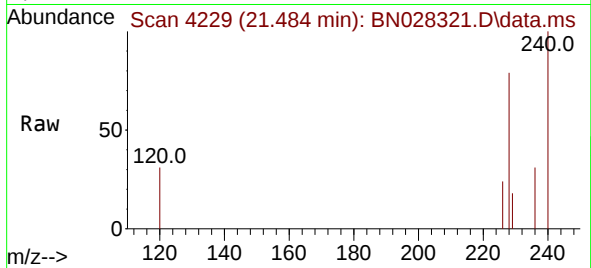
Tgt Ion:202 Resp: 2449
Ion Ratio Lower Upper
202 100
101 16.8 11.2 16.8
100 13.6 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.067 ng/ul
RT: 21.484 min Scan# 4229
Delta R.T. 0.000 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

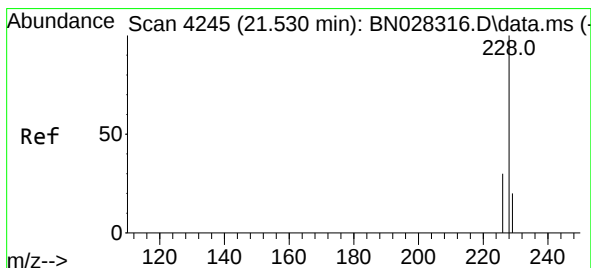
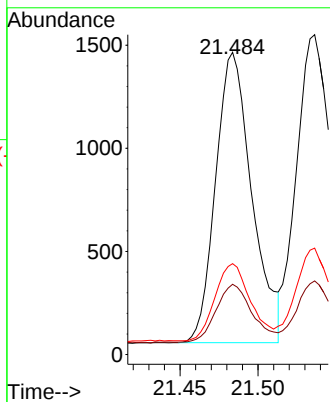
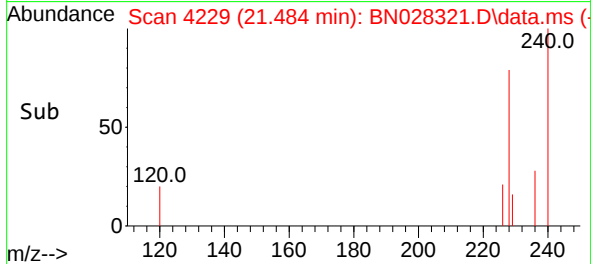
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



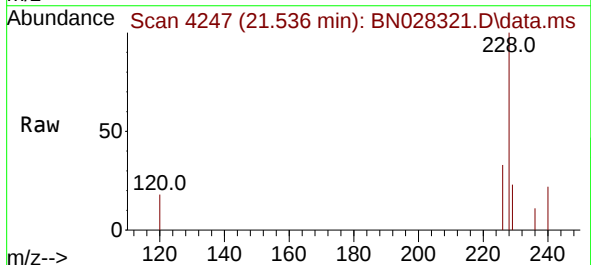
Tgt Ion:228 Resp: 228
Ion Ratio Lower Upper
228 100
229 23.3 16.0 24.0
226 30.1 21.5 32.3

Manual Integrations
APPROVED

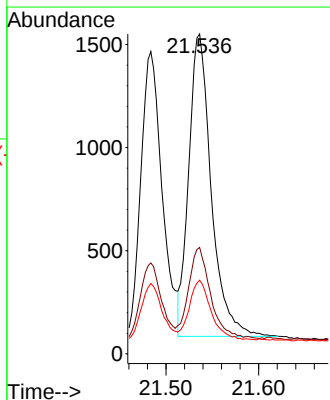
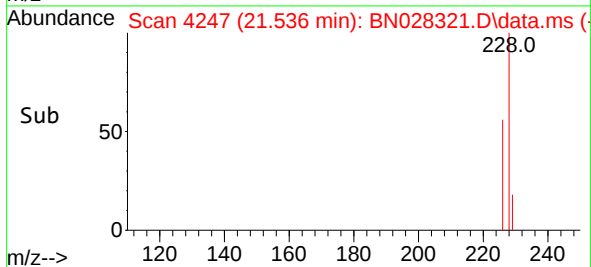
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

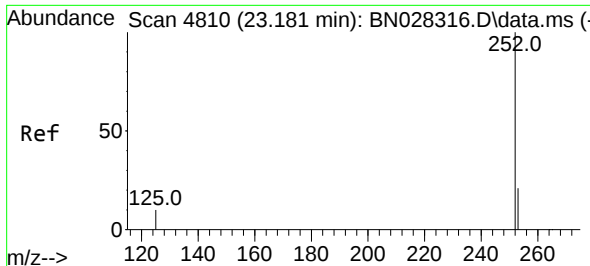


#22
Chrysene
Concen: 0.072 ng/ul
RT: 21.536 min Scan# 4247
Delta R.T. 0.000 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04



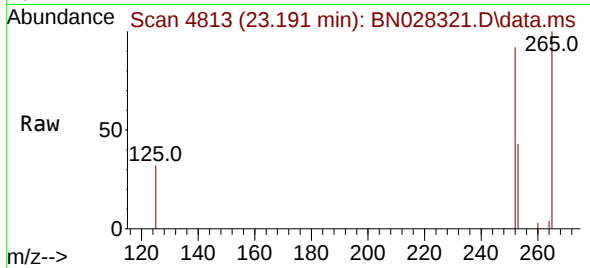
Tgt Ion:228 Resp: 2476
Ion Ratio Lower Upper
228 100
226 33.3 23.8 35.8
229 23.0 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.071 ng/ul
RT: 23.191 min Scan# 4810
Delta R.T. -0.003 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

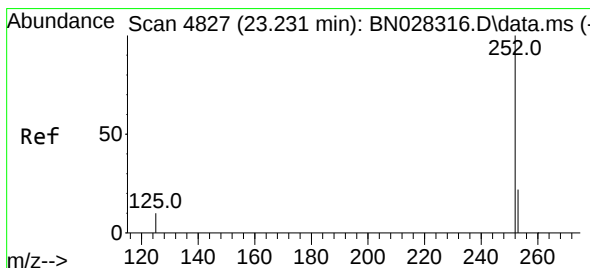
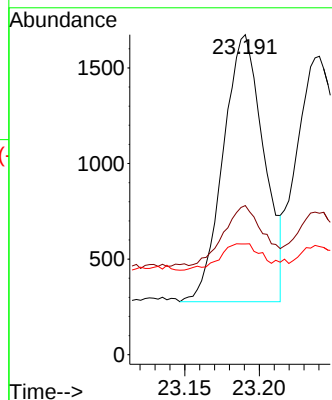
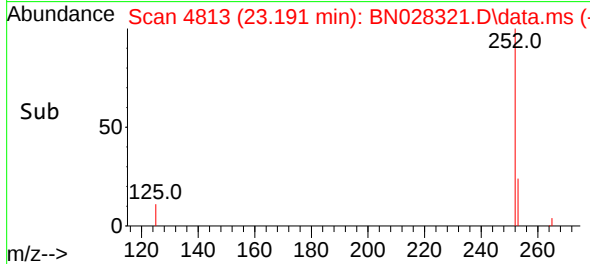
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



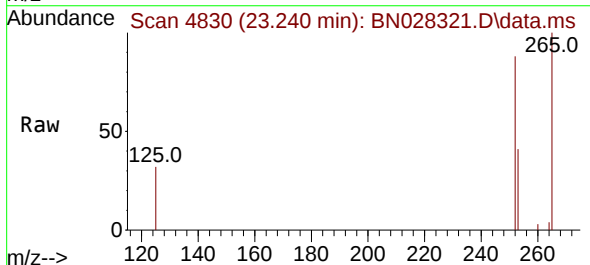
Tgt Ion:252 Resp: 2650
Ion Ratio Lower Upper
252 100
253 46.6 0.0 54.0
125 34.6 0.0 31.4

Manual Integrations
APPROVED

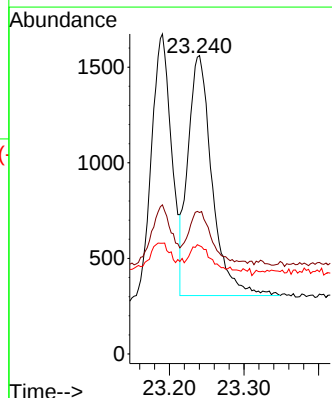
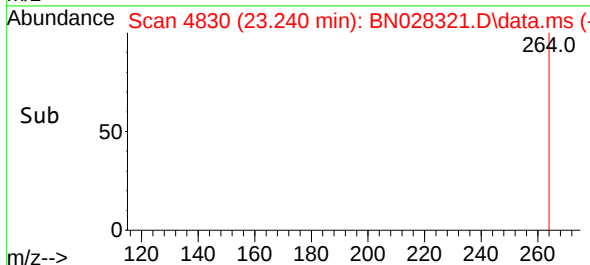
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

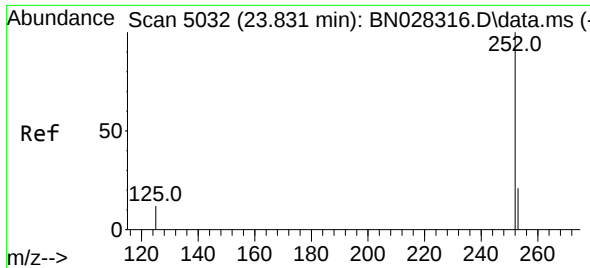


#25
Benzo(k)fluoranthene
Concen: 0.076 ng/ul
RT: 23.240 min Scan# 4830
Delta R.T. 0.000 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04



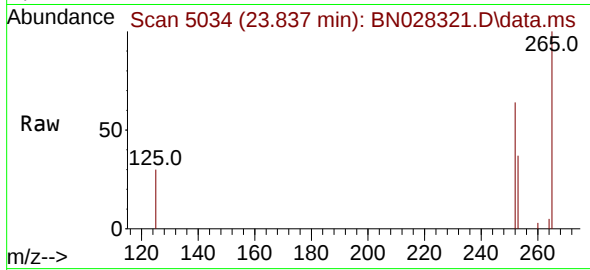
Tgt Ion:252 Resp: 2823
Ion Ratio Lower Upper
252 100
253 47.4 21.8 32.8#
125 36.3 12.8 19.2#





#26
Benzo(a)pyrene
Concen: 0.073 ng/ul
RT: 23.837 min Scan# 5034
Delta R.T. -0.006 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

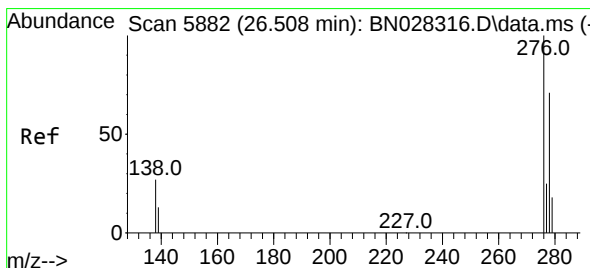
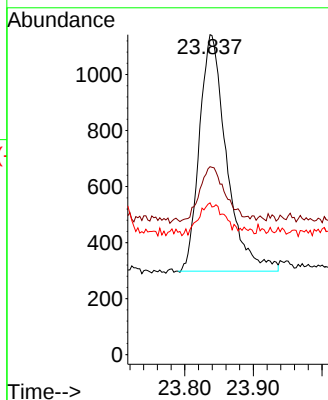
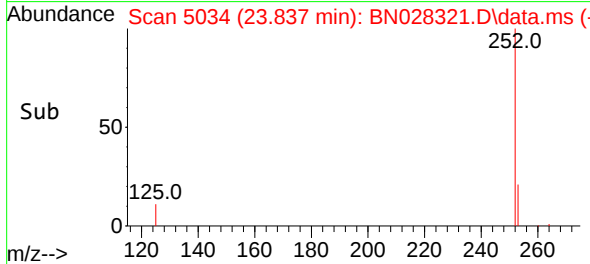
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:252 Resp: 231
Ion Ratio Lower Upper
252 100
253 58.8 23.4 35.2
125 47.5 15.3 22.9

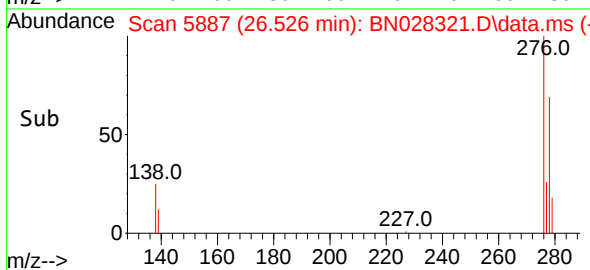
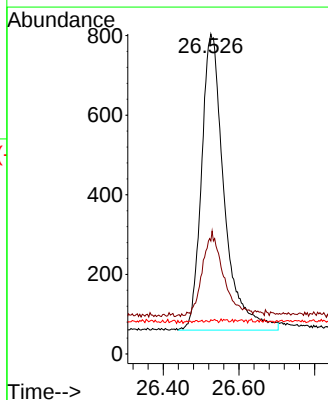
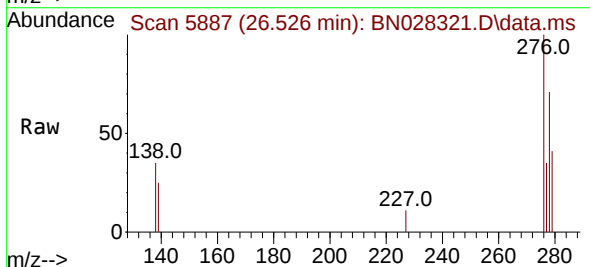
Manual Integrations
APPROVED

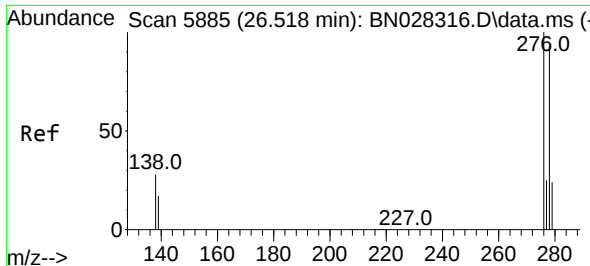
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.080 ng/ul
RT: 26.526 min Scan# 5887
Delta R.T. 0.001 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

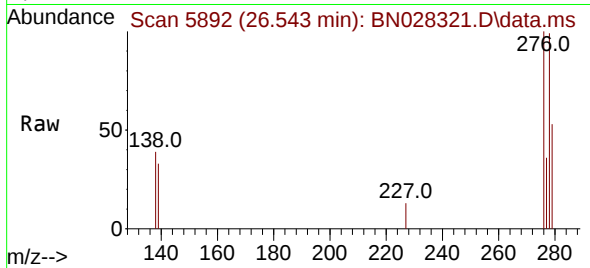
Tgt Ion:276 Resp: 3098
Ion Ratio Lower Upper
276 100
138 25.8 21.6 32.4
227 0.2 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.079 ng/ul
RT: 26.543 min Scan# 5892
Delta R.T. -0.003 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

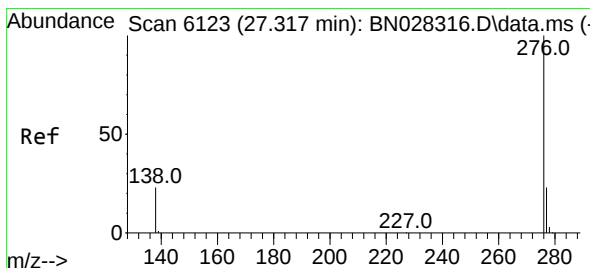
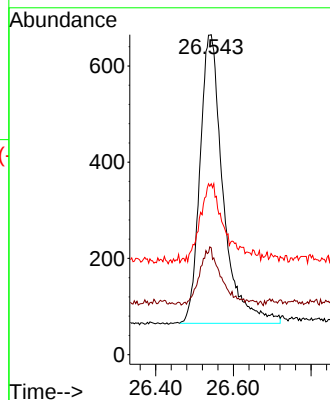
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:278 Resp: 2480
Ion Ratio Lower Upper
278 100
139 33.4 15.9 23.9#
279 53.4 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: 0.087 ng/ul
RT: 27.338 min Scan# 6129
Delta R.T. 0.007 min
Lab File: BN028321.D
Acq: 18 Oct 2023 13:04

Tgt Ion:276 Resp: 2726
Ion Ratio Lower Upper
276 100
138 32.6 19.8 29.6#
277 33.1 20.6 31.0#

