

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102023\
 Data File : BN028337.D
 Acq On : 20 Oct 2023 13:02
 Operator : MA/JU
 Sample : 04696-02
 Misc : SFAM-SIM-MDL-WATER-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023

Quant Time: Oct 20 13:52:52 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	3643	0.400	ng/ul	0.00
4) Naphthalene-d8	10.707	136	12105	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.536	164	7266	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.299	188	16703	0.400	ng/ul	0.00
17) Chrysene-d12	21.495	240	16841	0.400	ng/ul	0.00
23) Perylene-d12	23.945	264	17102	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	1845	0.403	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.297	152	7065	0.362	ng/ul	0.00
18) Fluoranthene-d10	19.325	212	20762	0.389	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.296	88	536m	0.111	ng/ul	
5) Naphthalene	10.757	128	2367	0.069	ng/ul#	88
7) 2-Methylnaphthalene	12.374	142	1449	0.067	ng/ul	97
8) 1-Methylnaphthalene	12.588	142	1493	0.067	ng/ul	100
10) Acenaphthylene	14.268	152	2146	0.065	ng/ul#	90
11) Acenaphthene	14.596	153	1807	0.069	ng/ul	98
12) Fluorene	15.600	166	2060	0.071	ng/ul#	98
14) Pentachlorophenol	16.979	266	275m	0.077	ng/ul	
15) Phenanthrene	17.342	178	3514	0.071	ng/ul#	93
16) Anthracene	17.443	178	2907	0.065	ng/ul#	92
19) Fluoranthene	19.357	202	4446	0.069	ng/ul#	94
20) Pyrene	19.729	202	4733	0.071	ng/ul	95
21) Benzo(a)anthracene	21.481	228	4343	0.071	ng/ul	96
22) Chrysene	21.533	228	4556	0.073	ng/ul	97
24) Benzo(b)fluoranthene	23.191	252	4568	0.072	ng/ul	69
25) Benzo(k)fluoranthene	23.240	252	4843	0.077	ng/ul#	69
26) Benzo(a)pyrene	23.843	252	4108	0.076	ng/ul#	59
27) Indeno(1,2,3-cd)pyrene	26.529	276	4756	0.073	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.539	278	3862	0.073	ng/ul#	69
29) Benzo(g,h,i)perylene	27.334	276	4039	0.076	ng/ul#	82

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

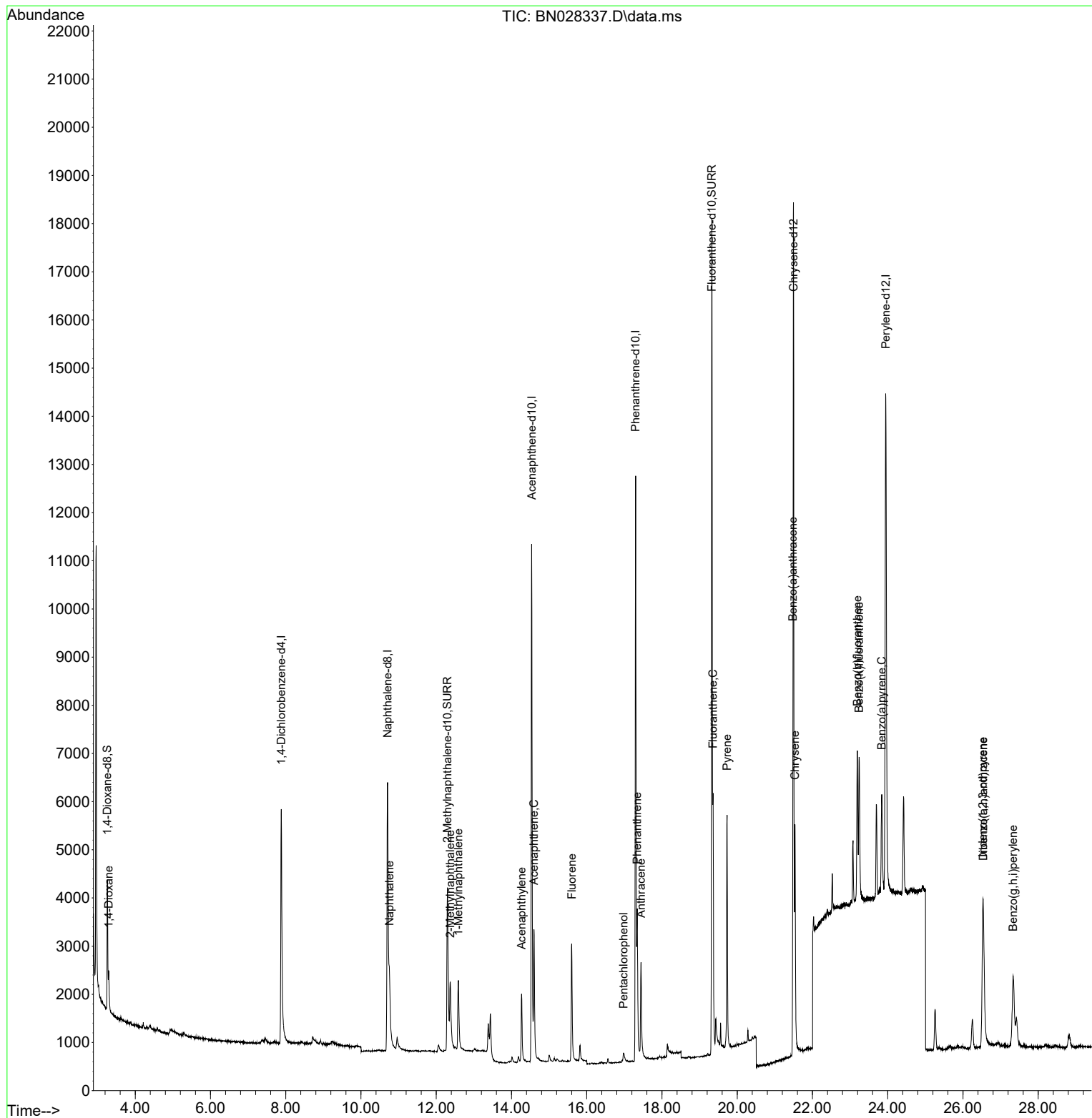
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102023\
Data File : BN028337.D
Acq On : 20 Oct 2023 13:02
Operator : MA/JU
Sample : 04696-02
Misc : SFAM-SIM-MDL-WATER-02
ALS Vial : 5 Sample Multiplier: 1

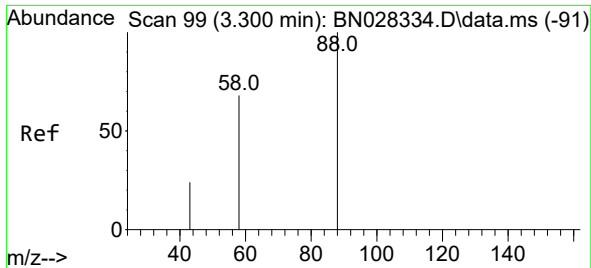
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2023-08

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

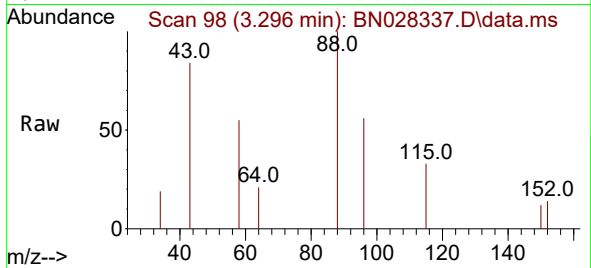
Quant Time: Oct 20 13:52:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 16:16:04 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.111 ng/ul m
RT: 3.296 min Scan# 91
Delta R.T. -0.004 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

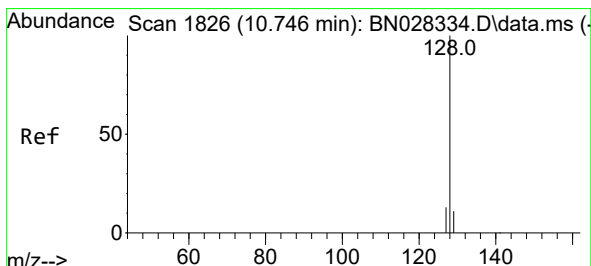
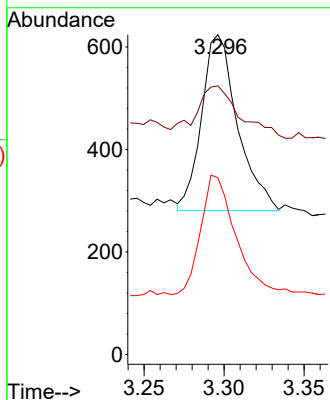
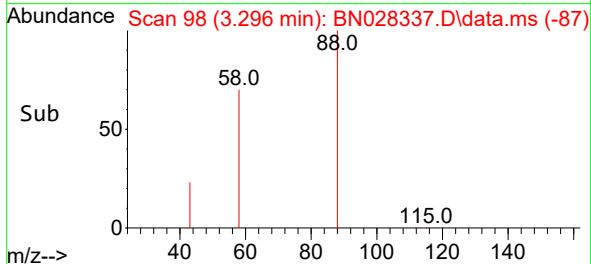
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 88 Resp: 530
Ion Ratio Lower Upper
88 100
43 84.0 33.4 50.2
58 55.3 45.7 68.5

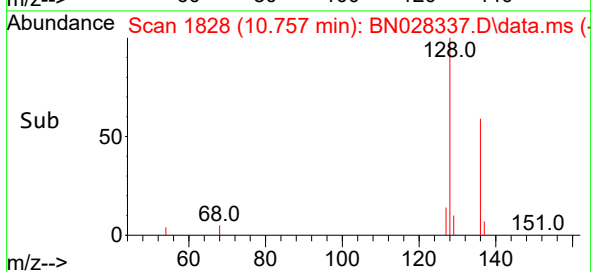
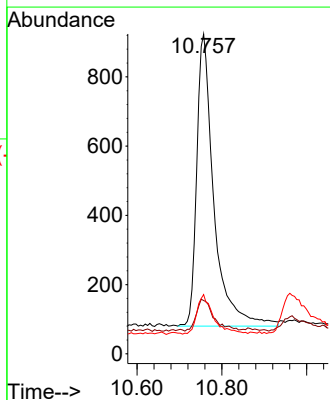
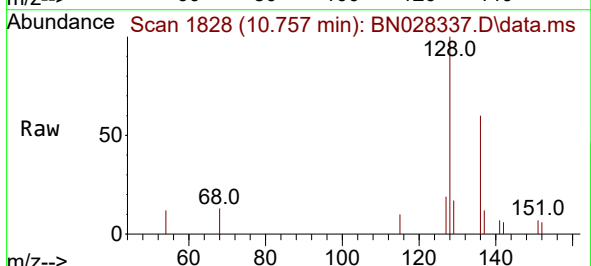
Manual Integrations
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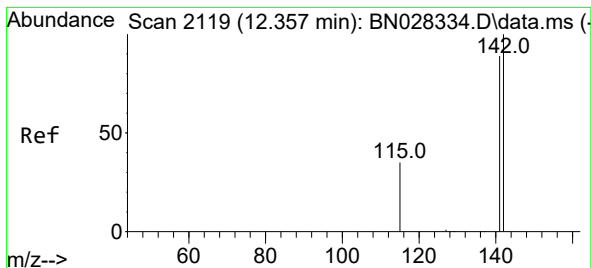
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.757 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

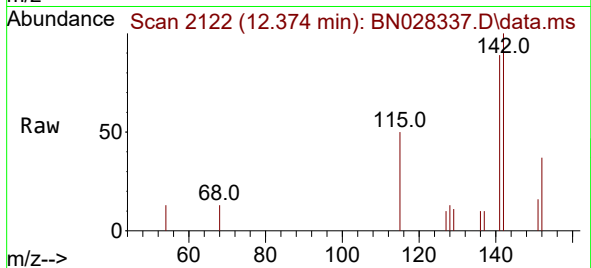
Tgt Ion:128 Resp: 2367
Ion Ratio Lower Upper
128 100
129 16.7 9.4 14.0#
127 18.5 11.0 16.4#





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.374 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

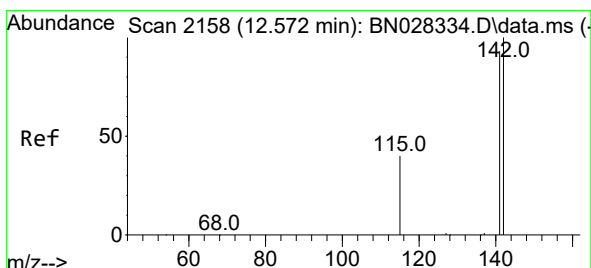
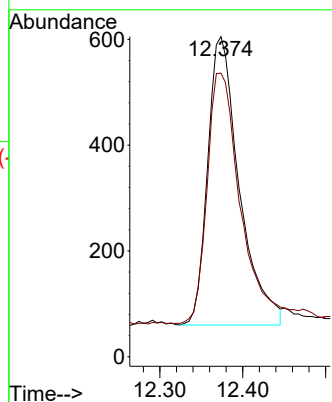
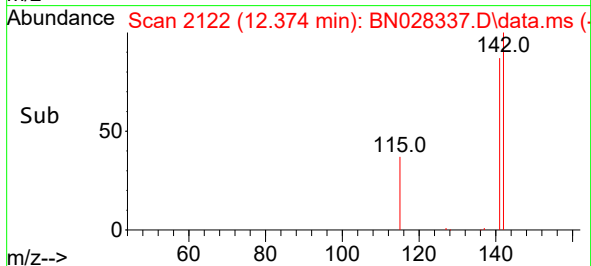
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2023-08



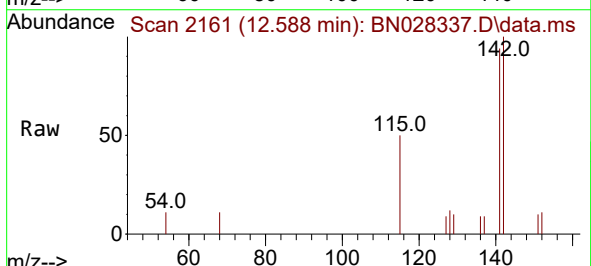
Tgt Ion:142 Resp: 1449
Ion Ratio Lower Upper
142 100
141 91.1 70.9 106.3

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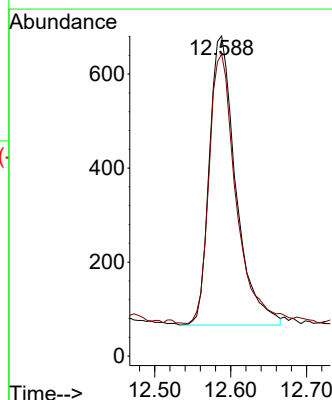
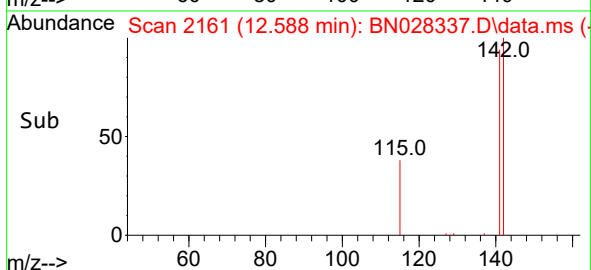
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

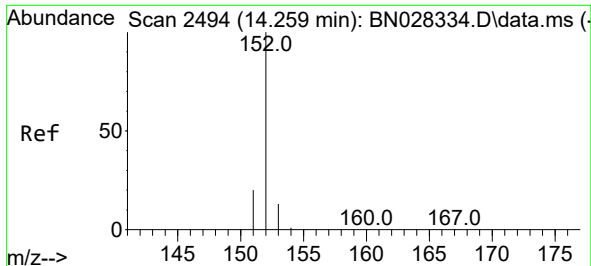


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.588 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02



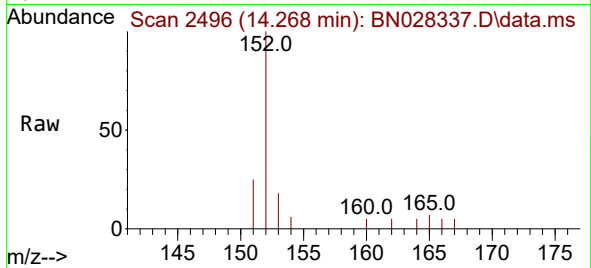
Tgt Ion:142 Resp: 1493
Ion Ratio Lower Upper
142 100
141 93.1 74.4 111.6





#10
Acenaphthylene
Concen: 0.065 ng/ul
RT: 14.268 min Scan# 2496
Delta R.T. -0.005 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

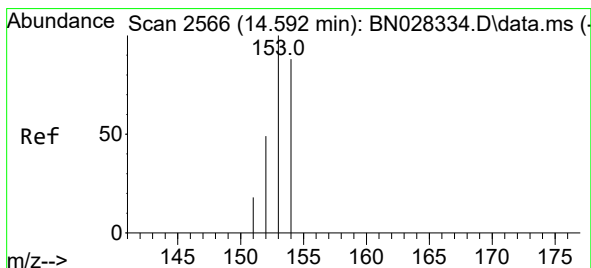
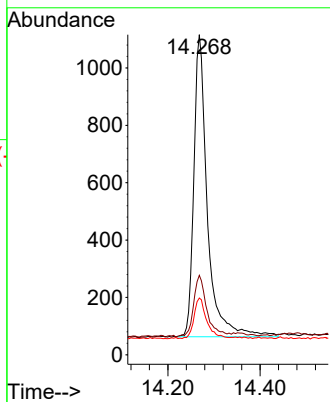
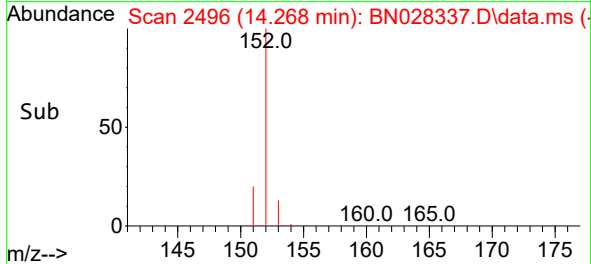
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2023-08



Tgt Ion:152 Resp: 2140
Ion Ratio Lower Upper
152 100
151 24.8 16.4 24.6
153 17.7 10.9 16.3

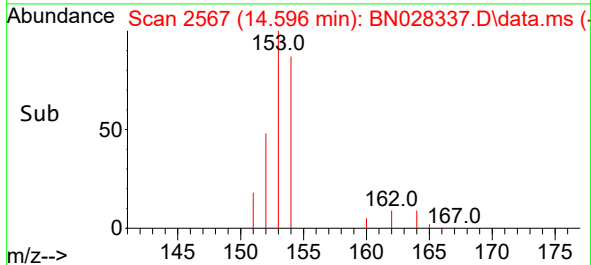
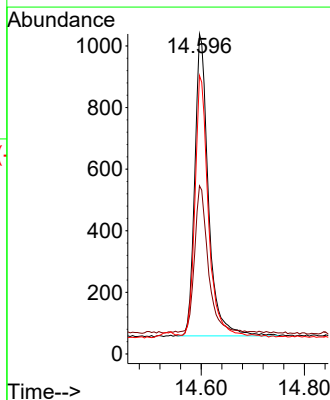
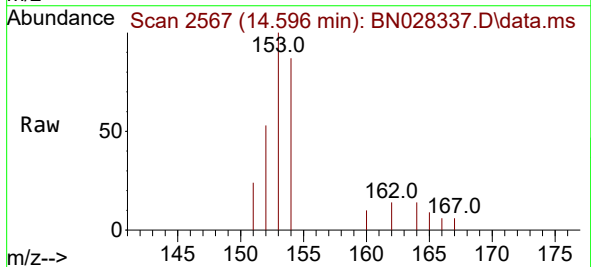
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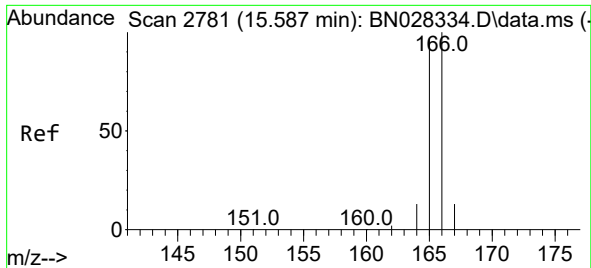
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.596 min Scan# 2567
Delta R.T. -0.009 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

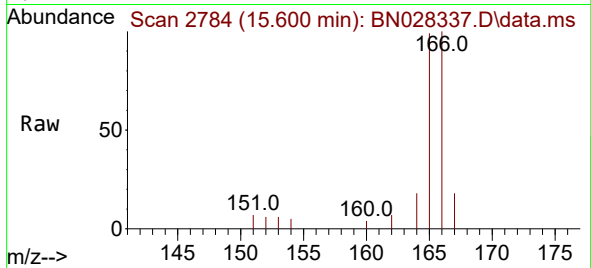
Tgt Ion:153 Resp: 1807
Ion Ratio Lower Upper
153 100
152 52.6 39.4 59.0
154 87.0 70.2 105.4





#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.600 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

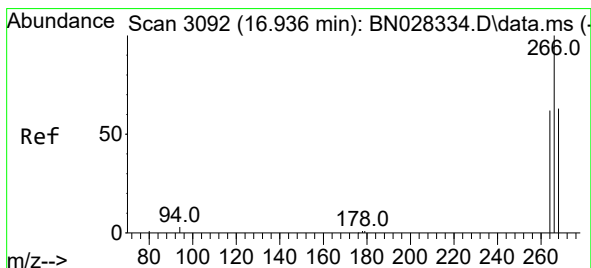
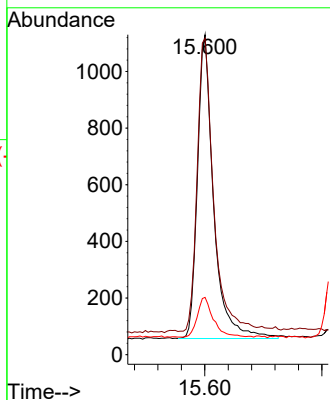
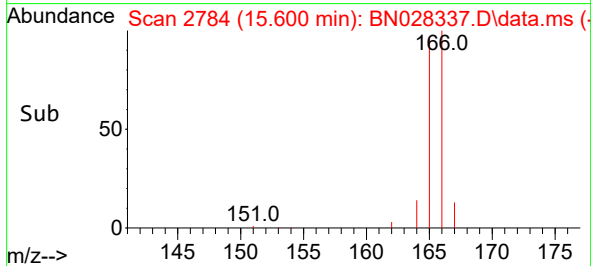
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2023-08



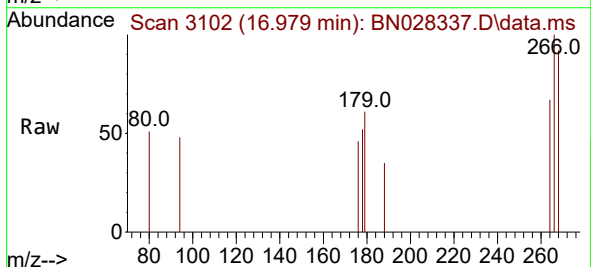
Tgt Ion:166 Resp: 2060
Ion Ratio Lower Upper
166 100
165 98.8 78.5 117.7
167 17.9 11.2 16.8

Manual Integrations
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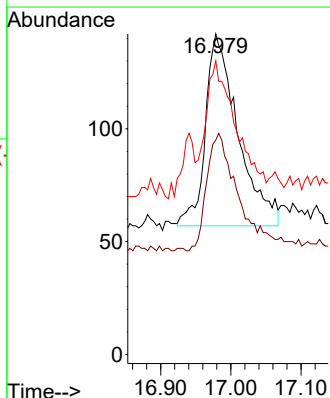
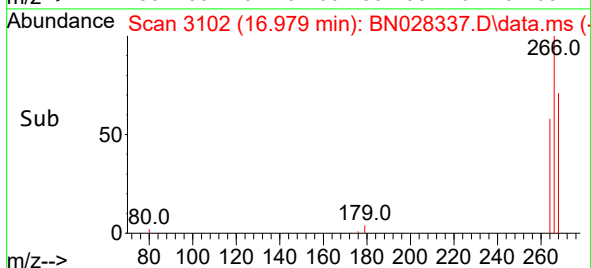
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

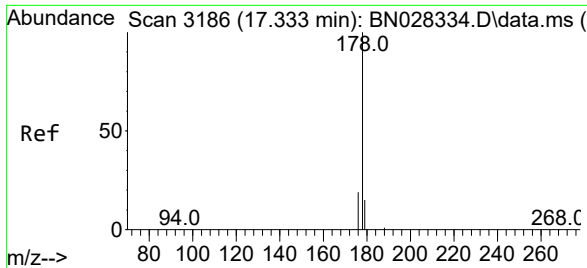


#14
Pentachlorophenol
Concen: 0.077 ng/ul m
RT: 16.979 min Scan# 3102
Delta R.T. 0.017 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02



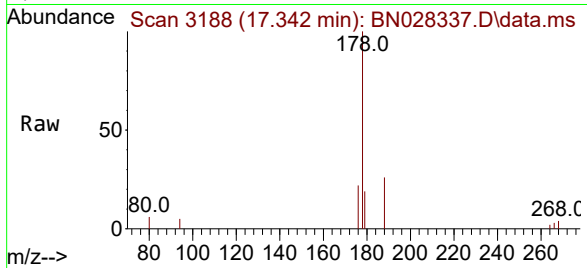
Tgt Ion:266 Resp: 275
Ion Ratio Lower Upper
266 100
264 53.8 49.6 74.4
268 48.7 52.2 78.4





#15
Phenanthrene
Concen: 0.071 ng/ul
RT: 17.342 min Scan# 3188
Delta R.T. -0.004 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

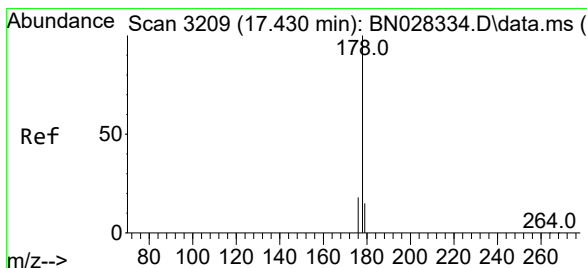
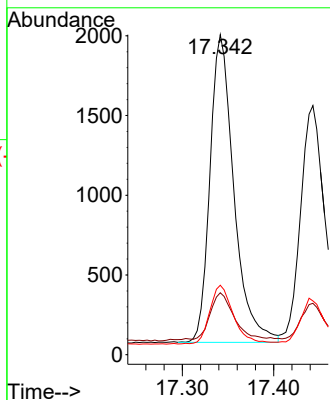
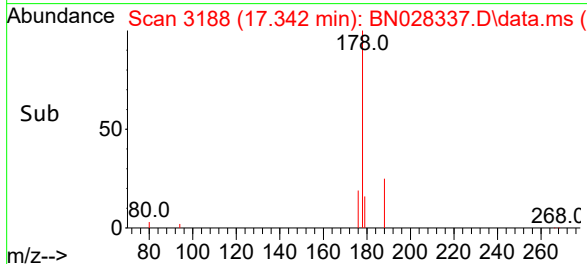
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion:178 Resp: 3514
Ion Ratio Lower Upper
178 100
179 19.4 12.6 19.0
176 21.7 15.5 23.3

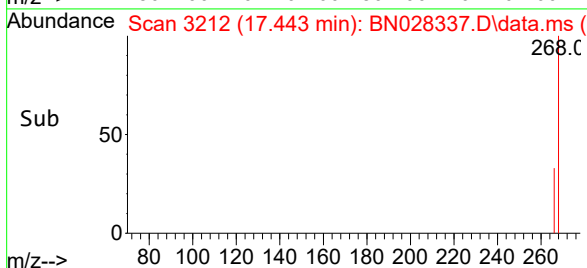
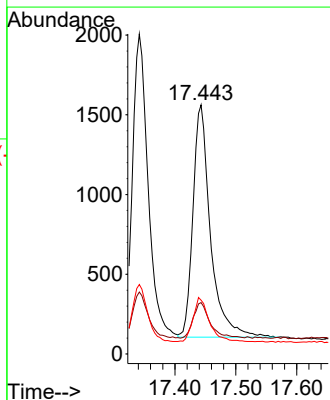
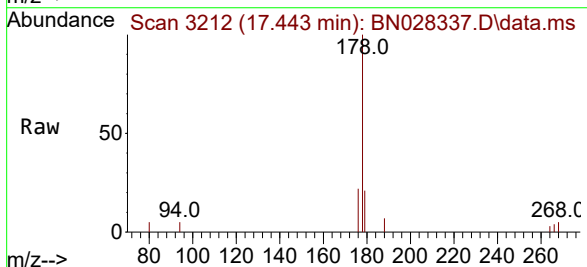
Manual Integrations
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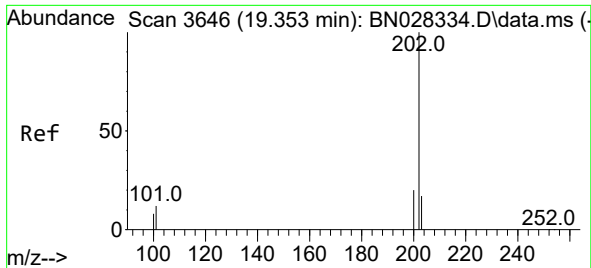
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#16
Anthracene
Concen: 0.065 ng/ul
RT: 17.443 min Scan# 3212
Delta R.T. 0.000 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

Tgt Ion:178 Resp: 2907
Ion Ratio Lower Upper
178 100
179 20.6 12.8 19.2
176 21.6 15.0 22.6





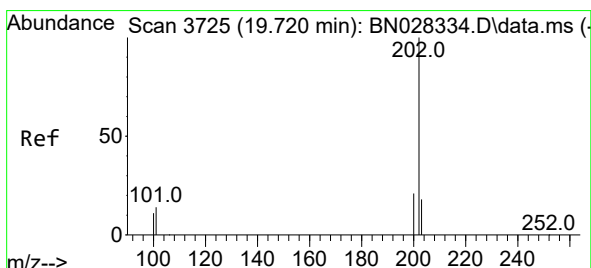
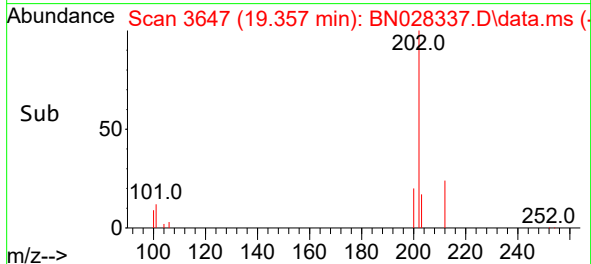
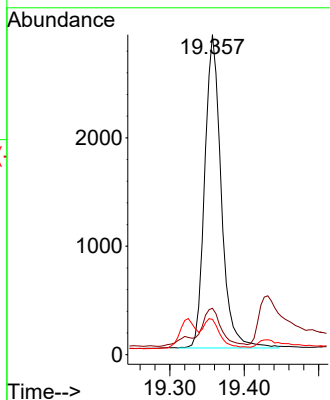
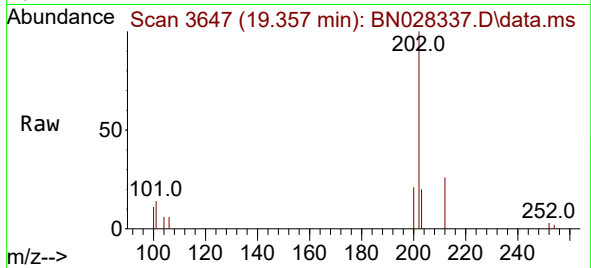
#19
Fluoranthene
Concen: 0.069 ng/ul
RT: 19.357 min Scan# 3646
Delta R.T. -0.009 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2023-08

Tgt Ion:202 Resp: 4440
Ion Ratio Lower Upper
202 100
101 14.5 9.6 14.4
100 11.0 7.4 11.0

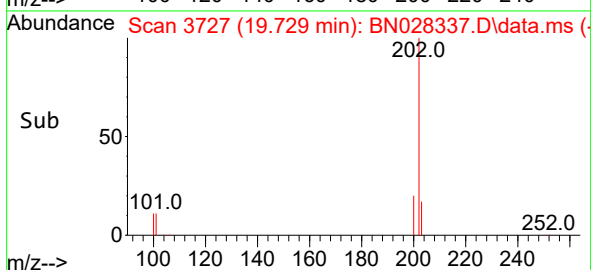
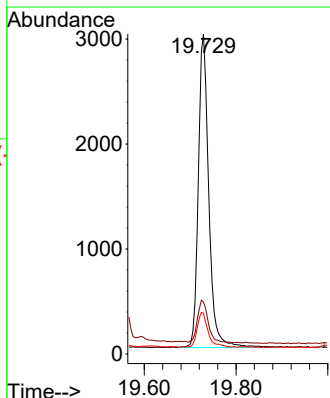
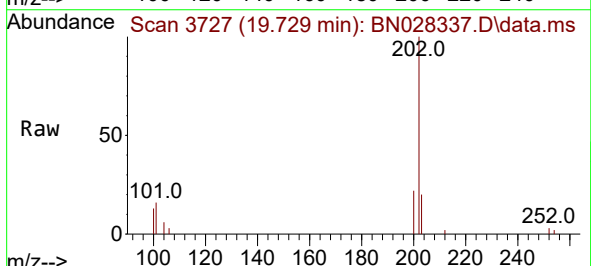
Manual Integrations
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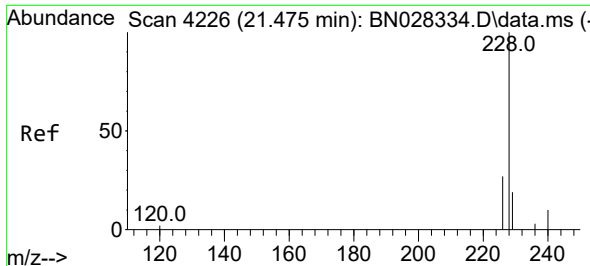
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#20
Pyrene
Concen: 0.071 ng/ul
RT: 19.729 min Scan# 3727
Delta R.T. -0.004 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

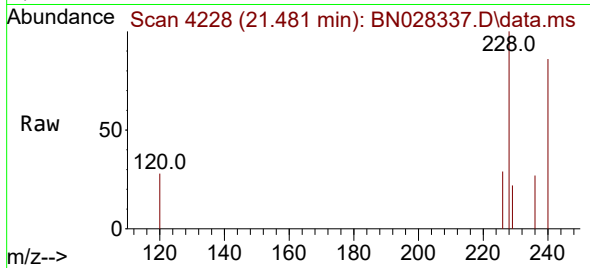
Tgt Ion:202 Resp: 4733
Ion Ratio Lower Upper
202 100
101 16.2 11.2 16.8
100 12.8 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.071 ng/ul
RT: 21.481 min Scan# 4226
Delta R.T. -0.003 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

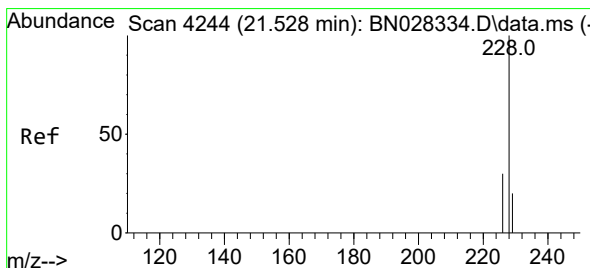
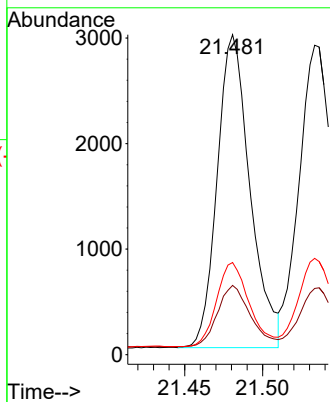
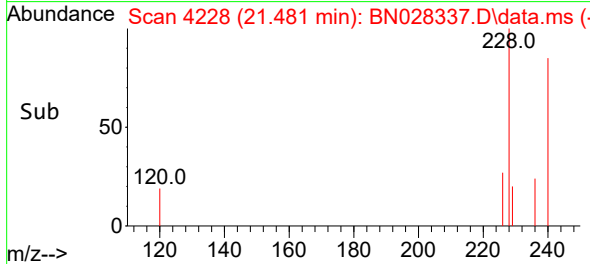
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion:228 Resp: 434
Ion Ratio Lower Upper
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229 21.6 16.0 24.0
226 28.8 21.5 32.3

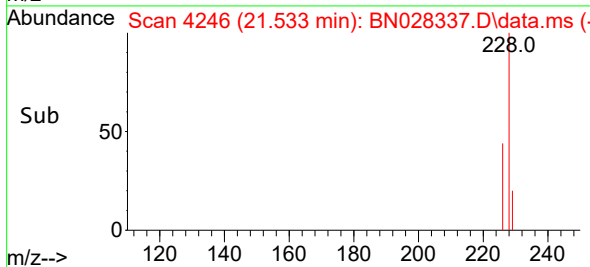
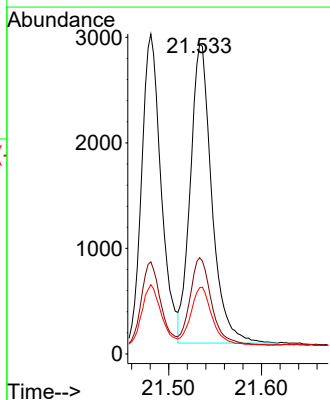
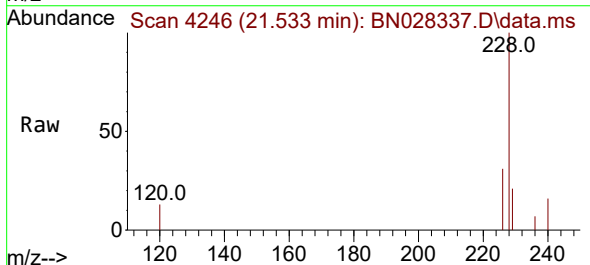
Manual Integrations
APPROVED

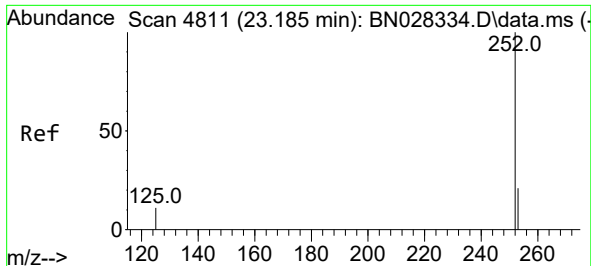
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023



#22
Chrysene
Concen: 0.073 ng/ul
RT: 21.533 min Scan# 4246
Delta R.T. -0.003 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

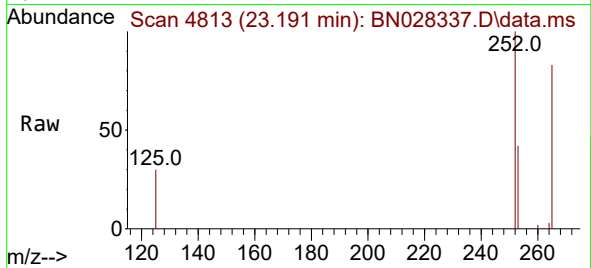
Tgt Ion:228 Resp: 4556
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.8
229 21.4 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.072 ng/ul
RT: 23.191 min Scan# 4811
Delta R.T. -0.003 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02

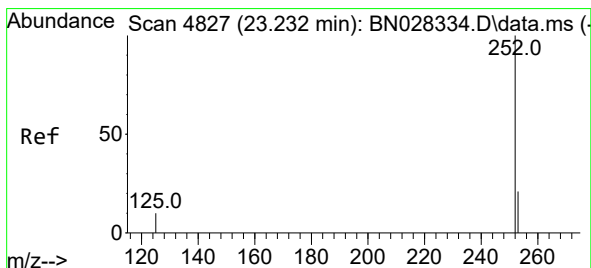
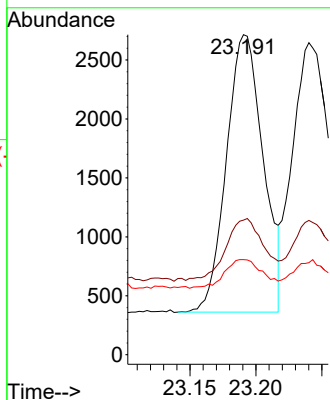
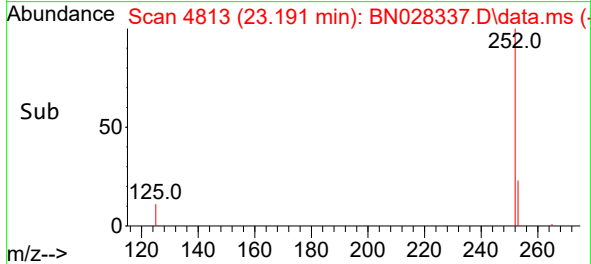
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2023-08



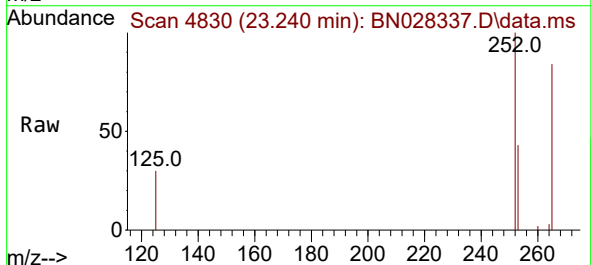
Tgt Ion:252 Resp: 4568
Ion Ratio Lower Upper
252 100
253 42.1 0.0 54.0
125 29.7 0.0 31.4

Manual Integrations
APPROVED

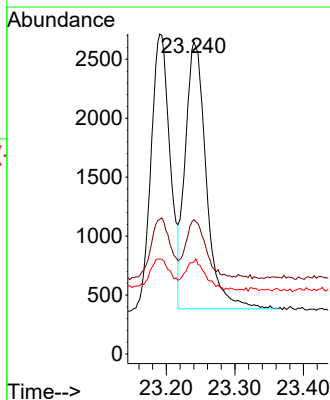
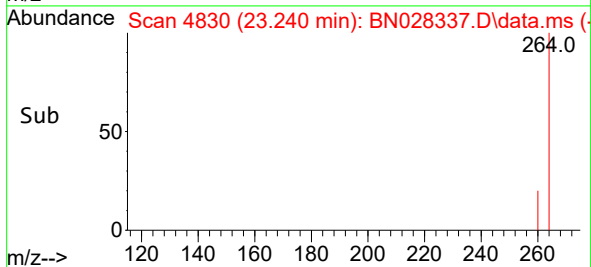
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

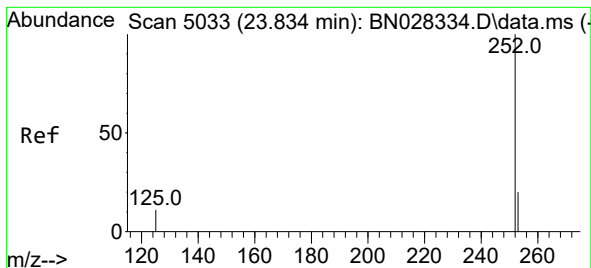


#25
Benzo(k)fluoranthene
Concen: 0.077 ng/ul
RT: 23.240 min Scan# 4830
Delta R.T. 0.000 min
Lab File: BN028337.D
Acq: 20 Oct 2023 13:02



Tgt Ion:252 Resp: 4843
Ion Ratio Lower Upper
252 100
253 43.0 21.8 32.8#
125 29.5 12.8 19.2#





#26

Benzo(a)pyrene

Concen: 0.076 ng/ul

RT: 23.843 min Scan# 5033

Delta R.T. 0.000 min

Lab File: BN028337.D

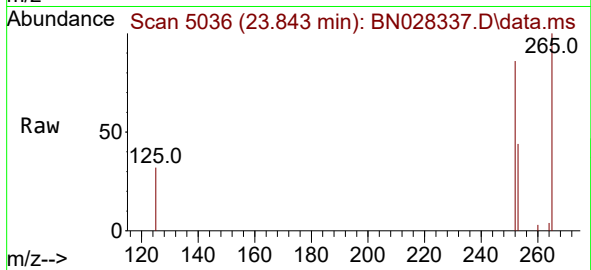
Acq: 20 Oct 2023 13:02

Instrument :

BN028337.D

ClientSampleId :

MDL-WATER-QT4-2023-08



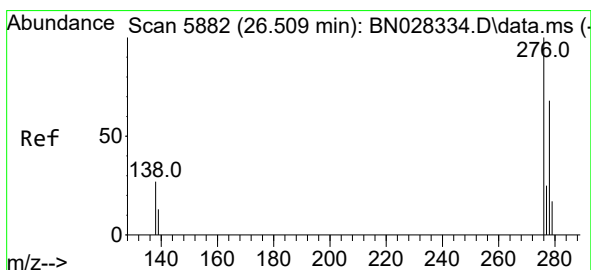
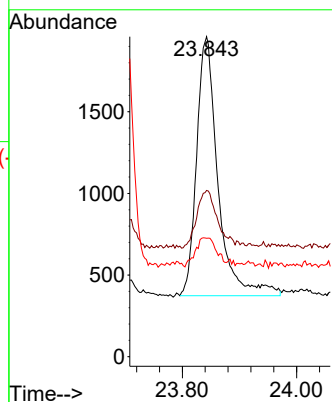
Tgt Ion:	252	Resp:	410
Ion Ratio	Lower	Upper	
252	100		
253	51.9	23.4	35.2
125	37.0	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.073 ng/ul

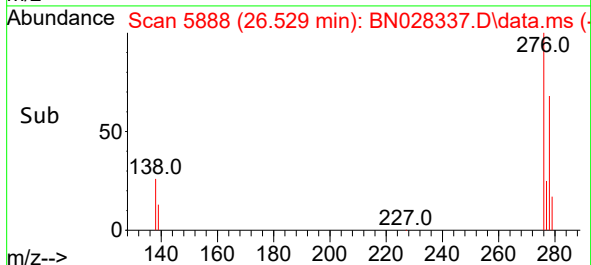
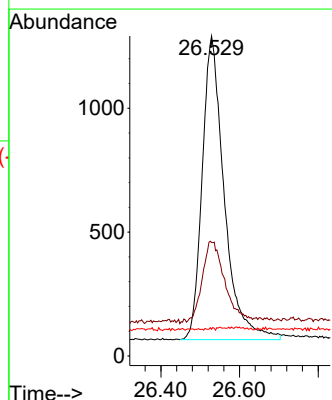
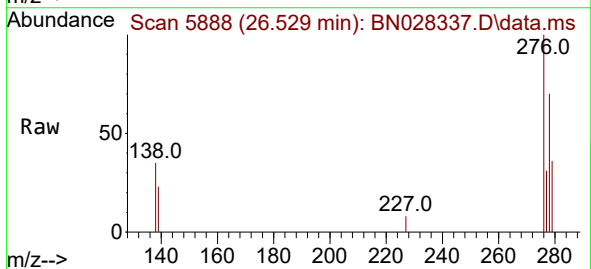
RT: 26.529 min Scan# 5888

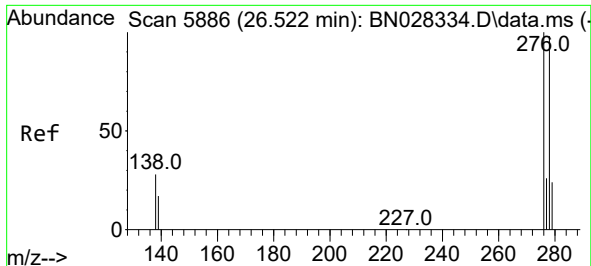
Delta R.T. 0.004 min

Lab File: BN028337.D

Acq: 20 Oct 2023 13:02

Tgt Ion:	276	Resp:	4756
Ion Ratio	Lower	Upper	
276	100		
138	27.7	21.6	32.4
227	0.1	0.2	0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.073 ng/ul

RT: 26.539 min Scan# 5891

Delta R.T. -0.006 min

Lab File: BN028337.D

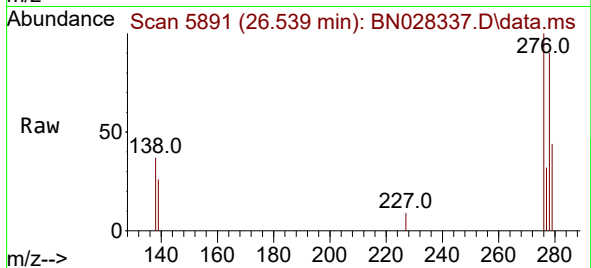
Acq: 20 Oct 2023 13:02

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT4-2023-08



Tgt Ion:278 Resp: 3862

Ion Ratio Lower Upper

278 100

139 29.4 15.9 23.9#

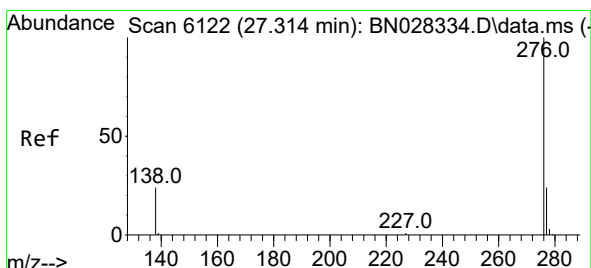
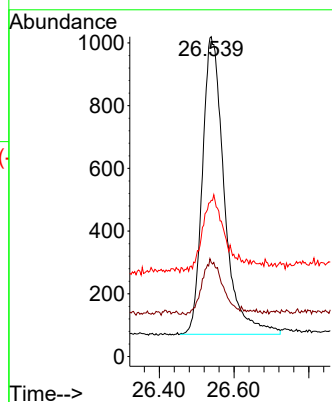
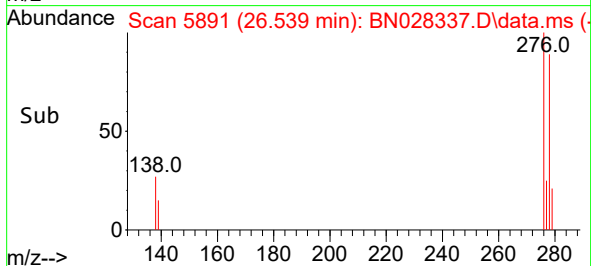
279 48.8 22.8 34.2#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2023

Supervised By :mohammad ahmed 10/23/2023



#29

Benzo(g,h,i)perylene

Concen: 0.076 ng/ul

RT: 27.334 min Scan# 6128

Delta R.T. 0.004 min

Lab File: BN028337.D

Acq: 20 Oct 2023 13:02

Tgt Ion:276 Resp: 4039

Ion Ratio Lower Upper

276 100

138 36.8 19.8 29.6#

277 32.0 20.6 31.0#

