

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091624\
 Data File : BN033988.D
 Acq On : 16 Sep 2024 15:07
 Operator : JU/RC
 Sample : P3391-02
 Misc : SFAM-SIM-MDL-Q3-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT3-2024-06

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 16 15:33:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 01:52:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.477	152	4629	0.400	ng/ul	0.00
4) Naphthalene-d8	10.238	136	12574	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.122	164	6258	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.880	188	12466	0.400	ng/ul	0.00
17) Chrysene-d12	21.096	240	10128	0.400	ng/ul	0.00
23) Perylene-d12	23.238	264	11649	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	2511	0.528	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.832	152	7006	0.388	ng/ul	-0.01
18) Fluoranthene-d10	18.919	212	12344	0.409	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.131	88	598m	0.113	ng/ul	
5) Naphthalene	10.282	128	2427	0.072	ng/ul#	91
7) 2-Methylnaphthalene	11.909	142	1451	0.068	ng/ul	98
8) 1-Methylnaphthalene	12.135	142	1462	0.067	ng/ul	97
10) Acenaphthylene	13.835	152	1960	0.069	ng/ul#	90
11) Acenaphthene	14.182	153	1493	0.073	ng/ul	97
12) Fluorene	15.182	166	1538	0.067	ng/ul#	97
14) Pentachlorophenol	16.538	266	242	0.062	ng/ul	98
15) Phenanthrene	16.918	178	2324	0.063	ng/ul#	93
16) Anthracene	17.010	178	2057	0.062	ng/ul#	91
19) Fluoranthene	18.951	202	2635	0.066	ng/ul#	90
20) Pyrene	19.314	202	2773	0.065	ng/ul#	90
21) Benzo(a)anthracene	21.082	228	2415	0.061	ng/ul	94
22) Chrysene	21.131	228	2624	0.065	ng/ul	95
24) Benzo(b)fluoranthene	22.607	252	2617	0.058	ng/ul#	47
25) Benzo(k)fluoranthene	22.645	252	2956	0.065	ng/ul#	34
26) Benzo(a)pyrene	23.148	252	2482	0.068	ng/ul#	37
27) Indeno(1,2,3-cd)pyrene	25.353	276	3287	0.060	ng/ul	90
28) Dibenzo(a,h)anthracene	25.370	278	2623	0.062	ng/ul#	57
29) Benzo(g,h,i)perylene	25.997	276	2684	0.063	ng/ul#	83

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

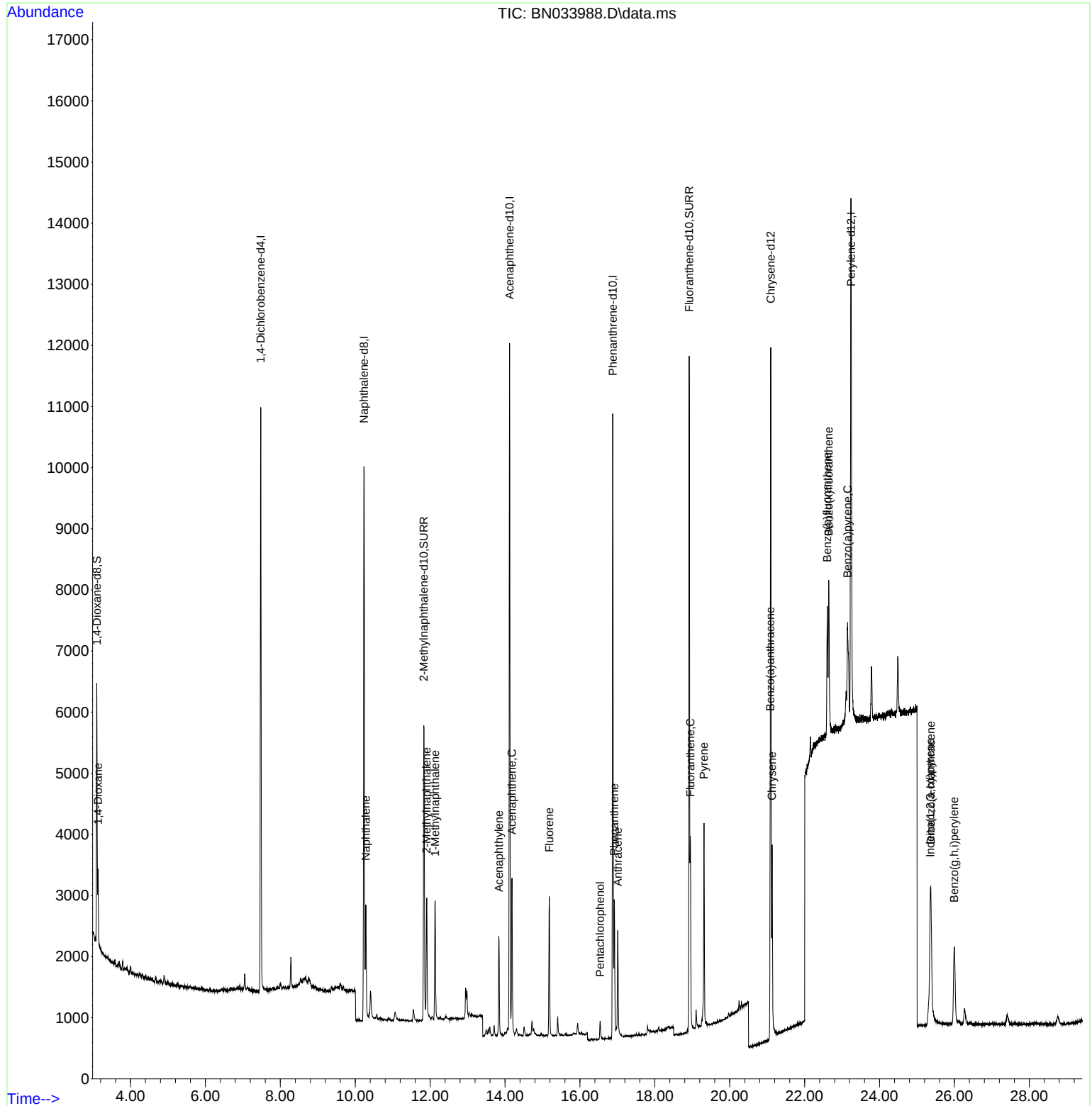
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091624\
Data File : BN033988.D
Acq On : 16 Sep 2024 15:07
Operator : JU/RC
Sample : P3391-02
Misc : SFAM-SIM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

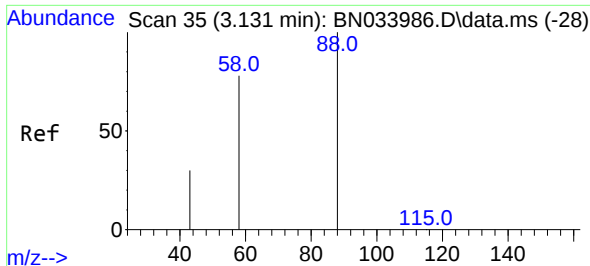
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06

Quant Time: Sep 16 15:33:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN082724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 01:52:43 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

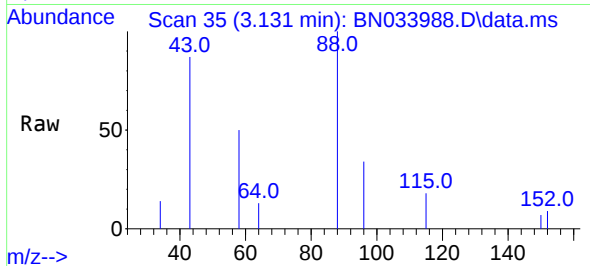
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024





#2
1,4-Dioxane
Concen: 0.113 ng/ul m
RT: 3.131 min Scan# 35
Delta R.T. -0.004 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

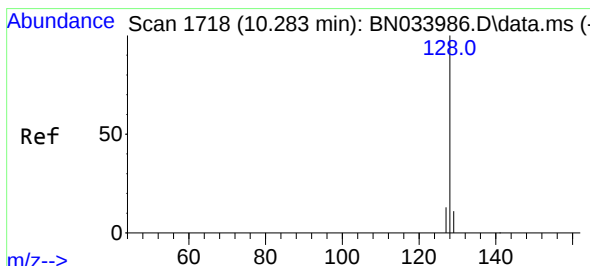
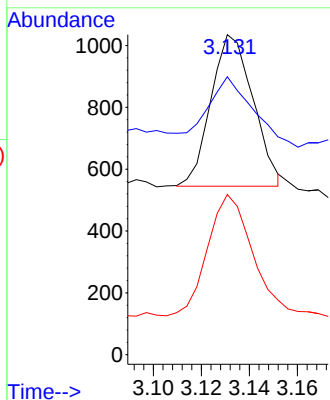
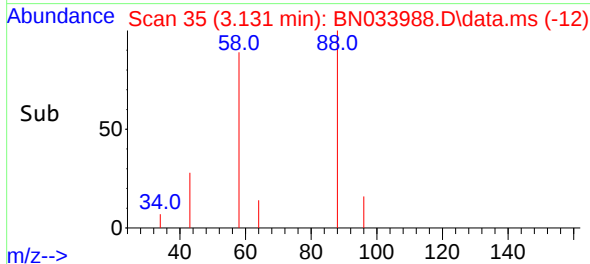
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 88 Resp: 598
Ion Ratio Lower Upper
88 100
43 86.9 47.0 70.4
58 50.0 53.0 79.4

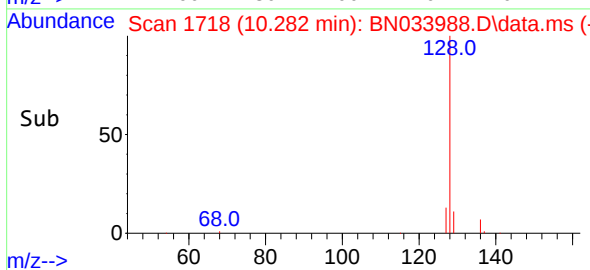
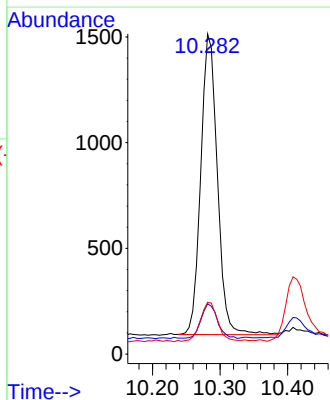
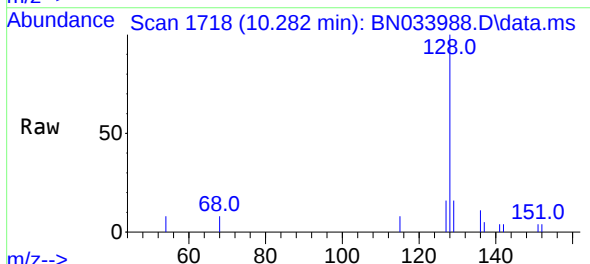
Manual Integrations
APPROVED

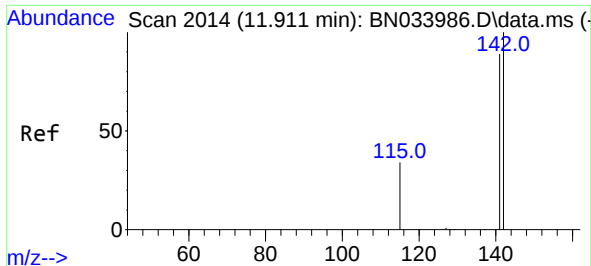
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#5
Naphthalene
Concen: 0.072 ng/ul
RT: 10.282 min Scan# 1718
Delta R.T. -0.012 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

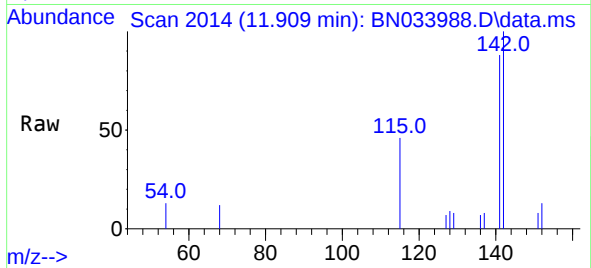
Tgt Ion:128 Resp: 2427
Ion Ratio Lower Upper
128 100
129 15.7 9.3 13.9#
127 16.2 10.8 16.2





#7
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 11.909 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

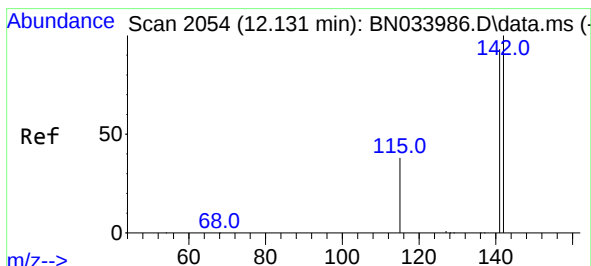
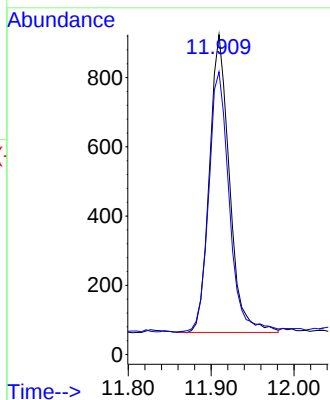
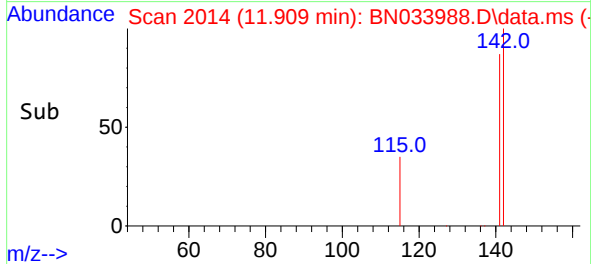
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



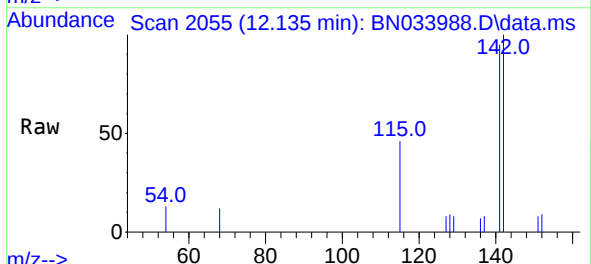
Tgt Ion:142 Resp: 145
Ion Ratio Lower Upper
142 100
141 90.9 71.1 106.7

Manual Integrations
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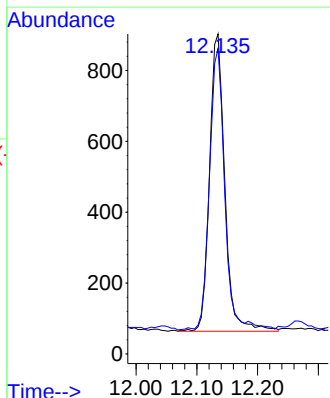
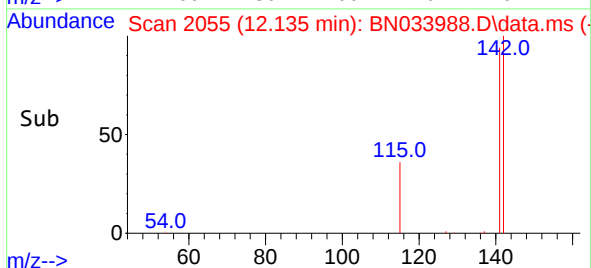
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

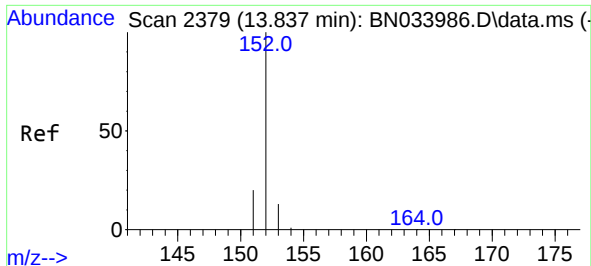


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.135 min Scan# 2055
Delta R.T. -0.007 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07



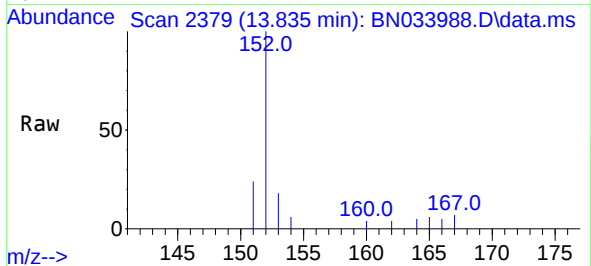
Tgt Ion:142 Resp: 1462
Ion Ratio Lower Upper
142 100
141 94.5 73.6 110.4





#10
Acenaphthylene
Concen: 0.069 ng/u1
RT: 13.835 min Scan# 21
Delta R.T. -0.011 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

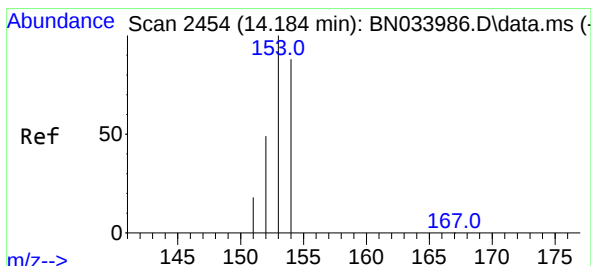
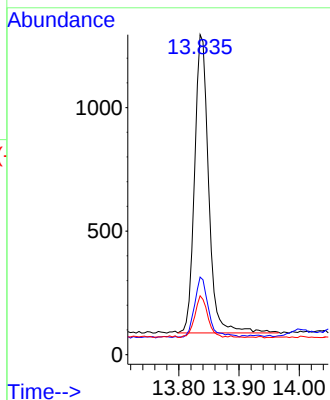
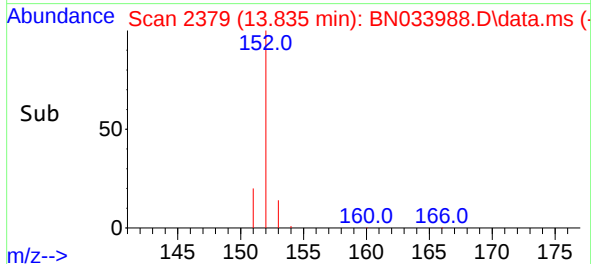
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:152 Resp: 1960
Ion Ratio Lower Upper
152 100
151 24.2 16.2 24.4
153 18.4 10.8 16.2

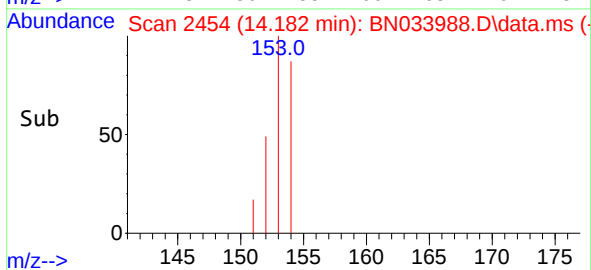
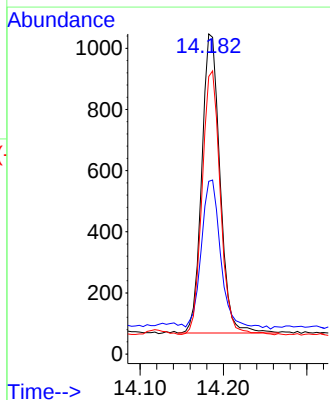
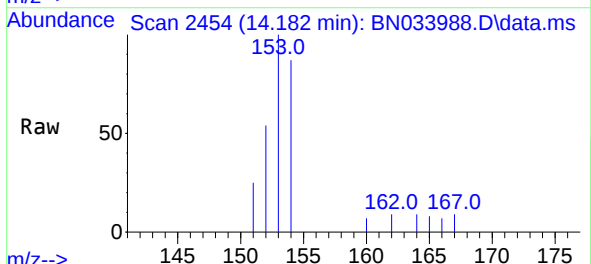
Manual Integrations
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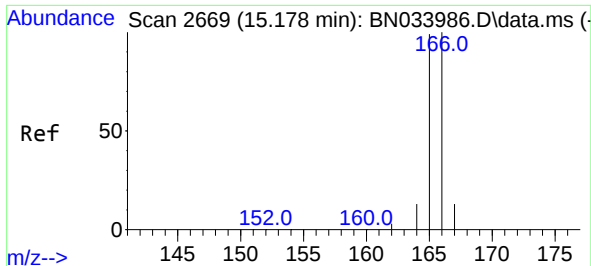
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#11
Acenaphthene
Concen: 0.073 ng/u1
RT: 14.182 min Scan# 2454
Delta R.T. -0.011 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

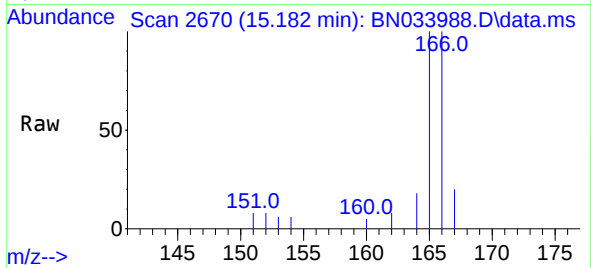
Tgt Ion:153 Resp: 1493
Ion Ratio Lower Upper
153 100
152 54.0 39.8 59.8
154 86.7 69.0 103.6





#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.182 min Scan# 2669
Delta R.T. -0.006 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

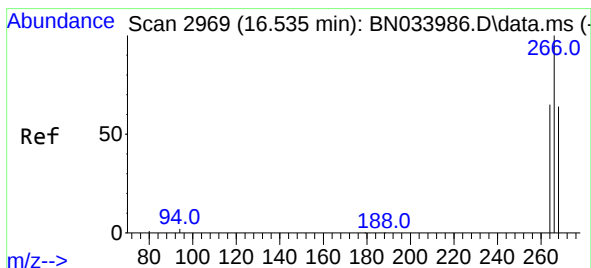
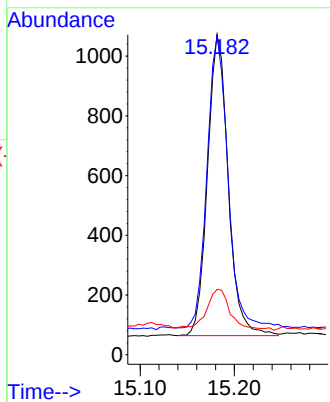
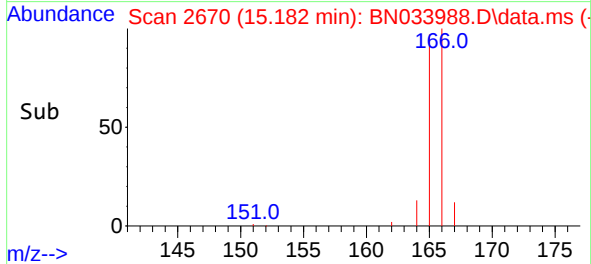
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT3-2024-06



Tgt Ion:166 Resp: 1538
Ion Ratio Lower Upper
166 100
165 99.6 79.1 118.7
167 20.4 11.4 17.0

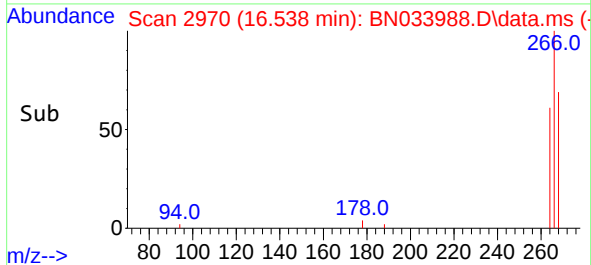
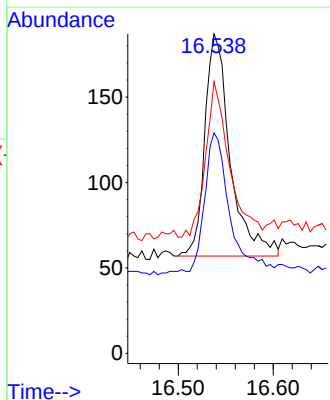
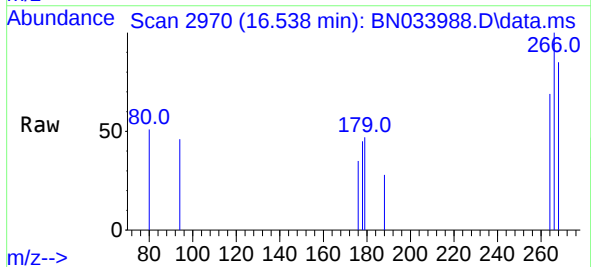
Manual Integrations
APPROVED

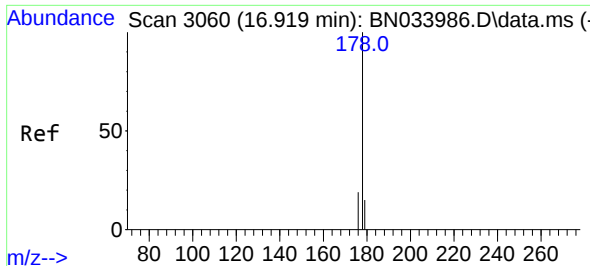
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#14
Pentachlorophenol
Concen: 0.062 ng/ul
RT: 16.538 min Scan# 2970
Delta R.T. -0.006 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

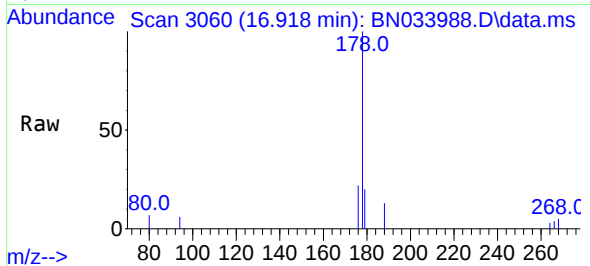
Tgt Ion:266 Resp: 242
Ion Ratio Lower Upper
266 100
264 65.3 50.3 75.5
268 65.3 51.7 77.5





#15
Phenanthrene
Concen: 0.063 ng/u1
RT: 16.918 min Scan# 3060
Delta R.T. -0.010 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

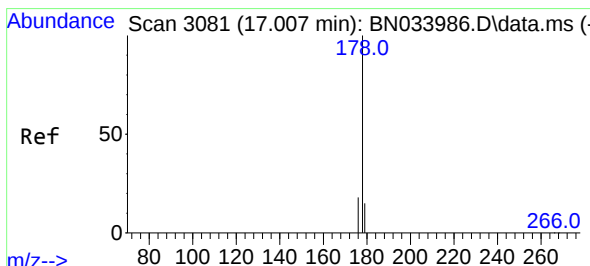
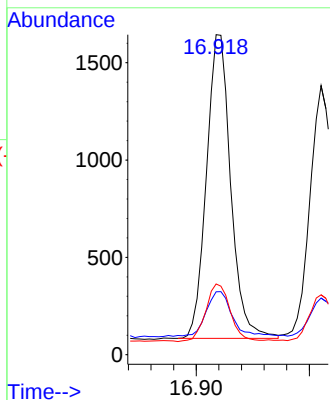
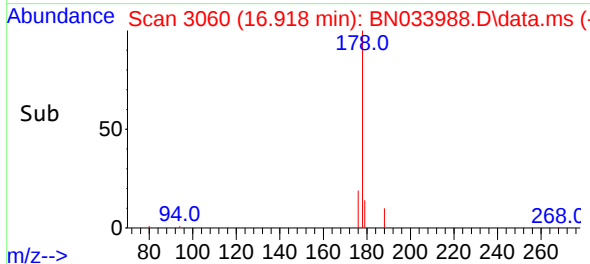
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:178 Resp: 2324
Ion Ratio Lower Upper
178 100
179 19.6 12.9 19.3#
176 22.1 15.7 23.5

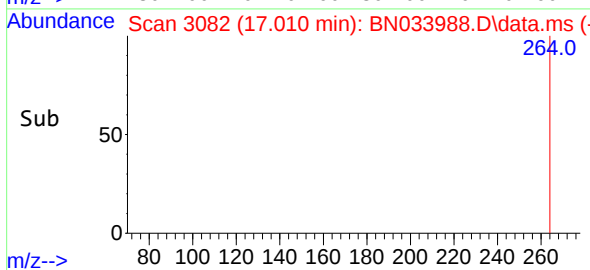
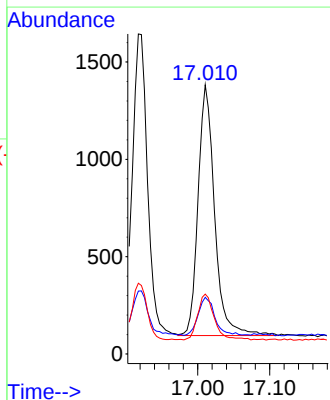
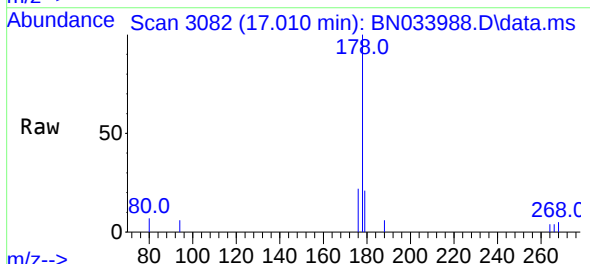
Manual Integrations
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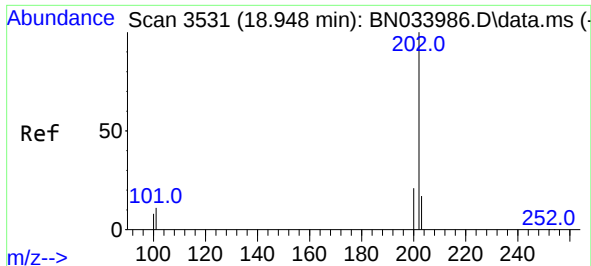
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#16
Anthracene
Concen: 0.062 ng/u1
RT: 17.010 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

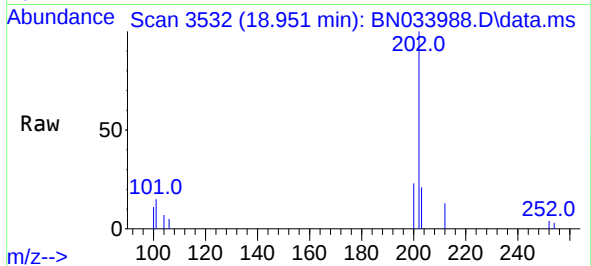
Tgt Ion:178 Resp: 2057
Ion Ratio Lower Upper
178 100
179 21.0 13.0 19.4#
176 22.3 15.2 22.8





#19
Fluoranthene
Concen: 0.066 ng/u1
RT: 18.951 min Scan# 3532
Delta R.T. -0.006 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

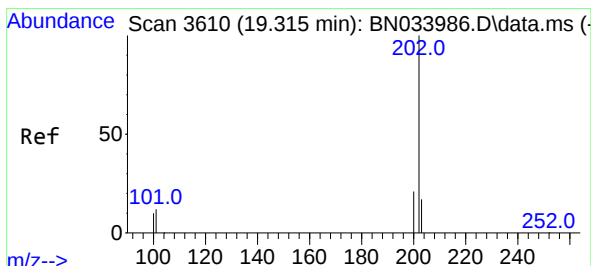
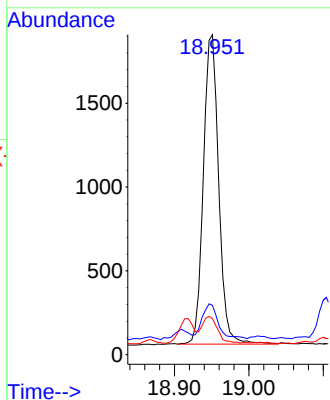
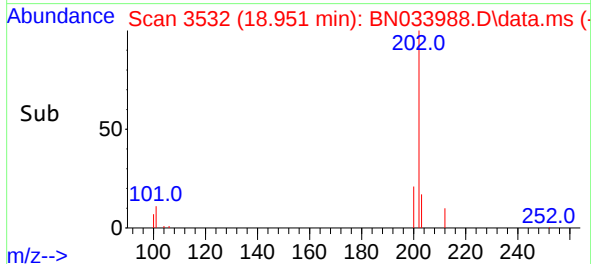
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:202 Resp: 2635
Ion Ratio Lower Upper
202 100
101 15.4 9.0 13.4#
100 11.3 6.7 10.1#

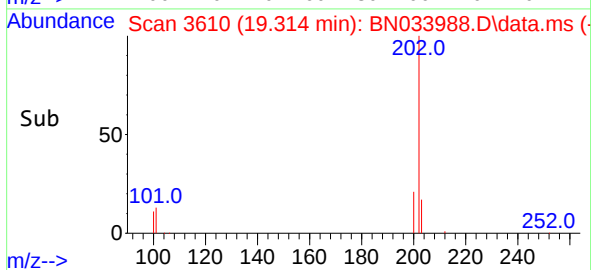
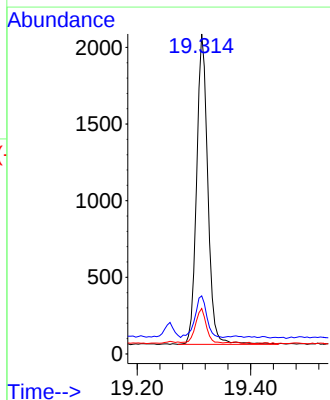
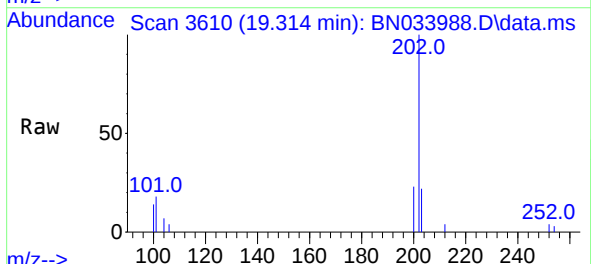
Manual Integrations
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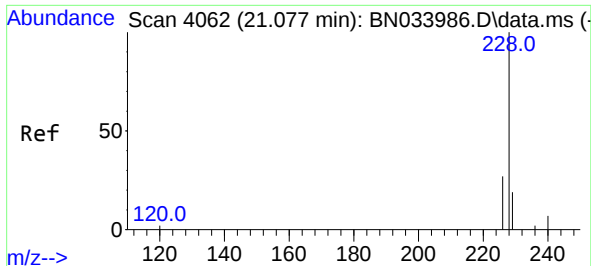
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#20
Pyrene
Concen: 0.065 ng/u1
RT: 19.314 min Scan# 3610
Delta R.T. -0.006 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

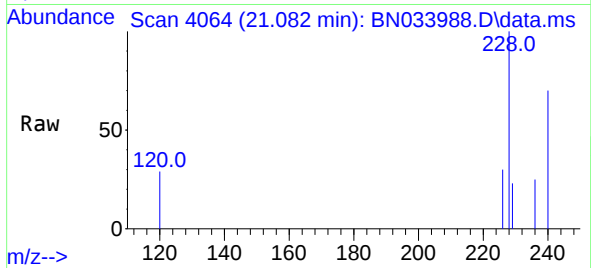
Tgt Ion:202 Resp: 2773
Ion Ratio Lower Upper
202 100
101 18.2 10.8 16.2#
100 14.2 8.7 13.1#





#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 21.082 min Scan# 4062
Delta R.T. -0.004 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

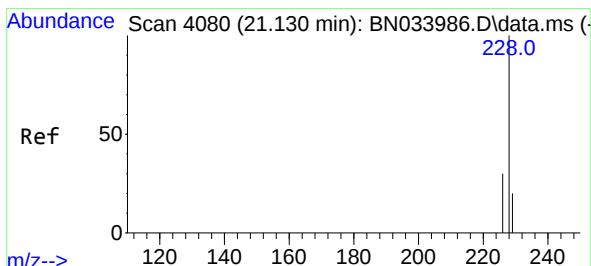
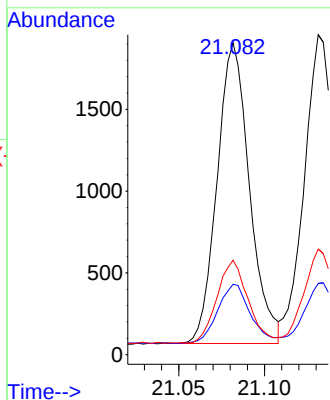
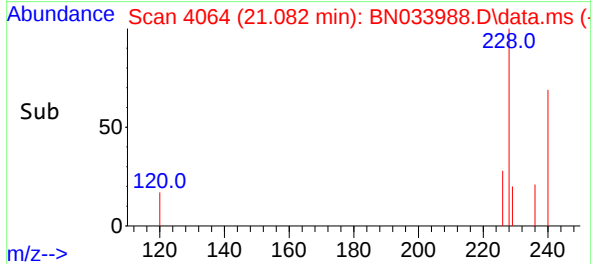
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:228 Resp: 241
Ion Ratio Lower Upper
228 100
229 22.5 15.4 23.2
226 30.3 22.1 33.1

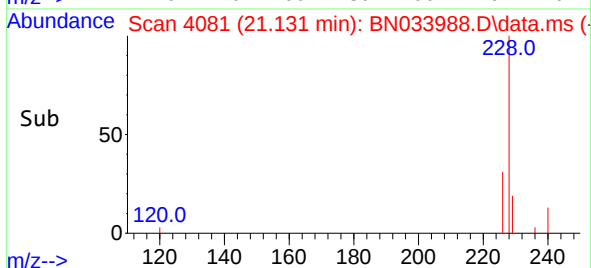
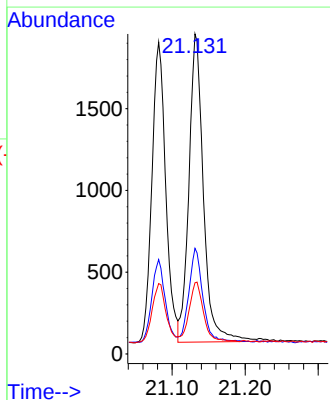
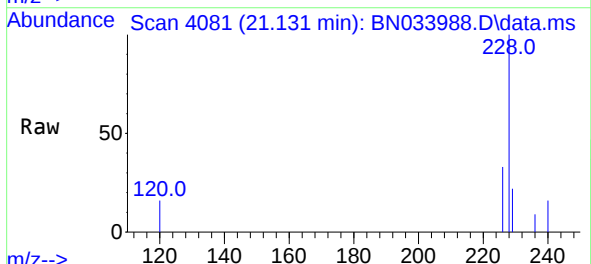
Manual Integrations
APPROVED

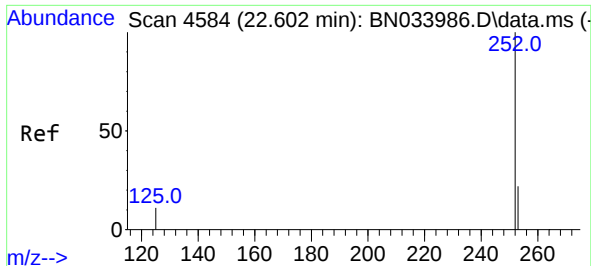
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#22
Chrysene
Concen: 0.065 ng/ul
RT: 21.131 min Scan# 4081
Delta R.T. -0.007 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

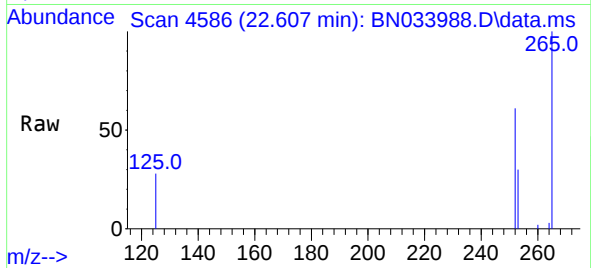
Tgt Ion:228 Resp: 2624
Ion Ratio Lower Upper
228 100
226 33.0 24.2 36.2
229 22.2 15.6 23.4





#24
Benzo(b)fluoranthene
Concen: 0.058 ng/u1
RT: 22.607 min Scan# 4584
Delta R.T. -0.001 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

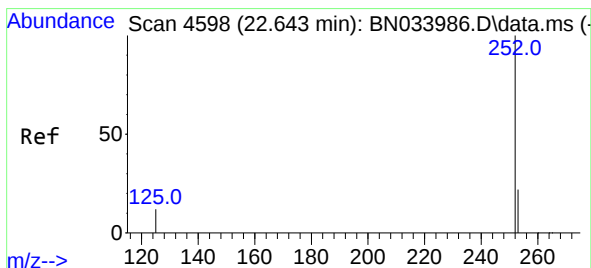
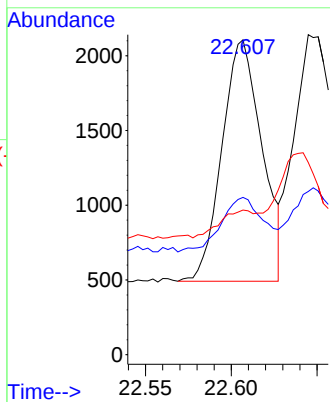
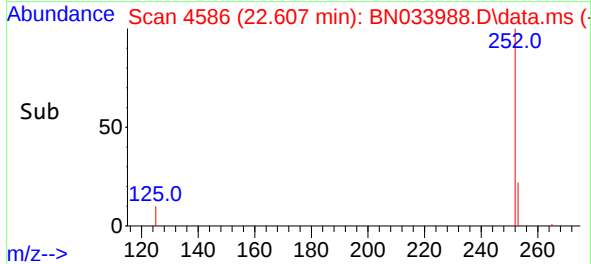
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



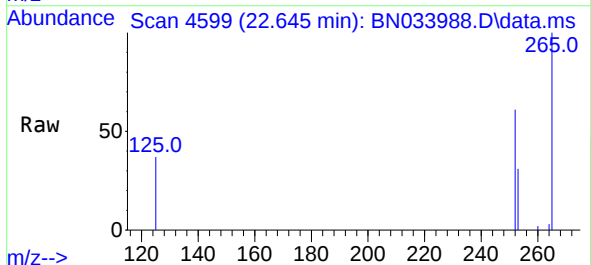
Tgt Ion:252 Resp: 2617
Ion Ratio Lower Upper
252 100
253 49.9 0.0 52.8
125 45.9 0.0 36.4

Manual Integrations
APPROVED

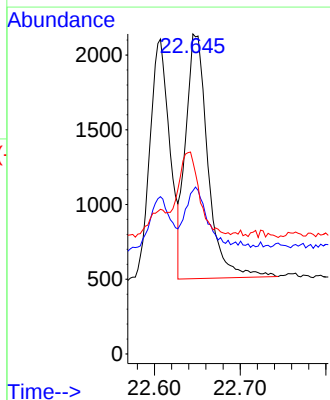
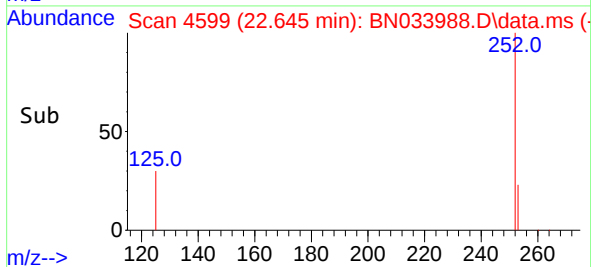
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

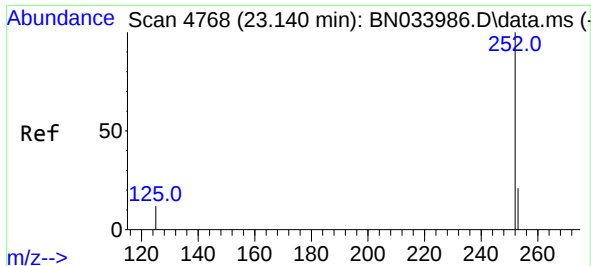


#25
Benzo(k)fluoranthene
Concen: 0.065 ng/u1
RT: 22.645 min Scan# 4599
Delta R.T. -0.007 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07



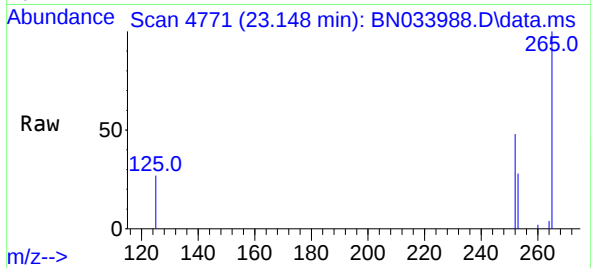
Tgt Ion:252 Resp: 2956
Ion Ratio Lower Upper
252 100
253 51.0 21.4 32.0#
125 60.1 15.1 22.7#





#26
Benzo(a)pyrene
Concen: 0.068 ng/ul
RT: 23.148 min Scan# 4771
Delta R.T. -0.004 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

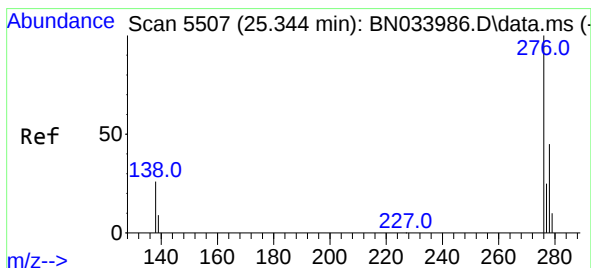
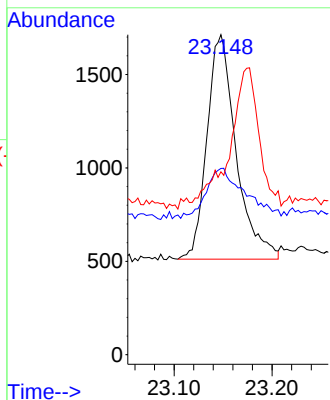
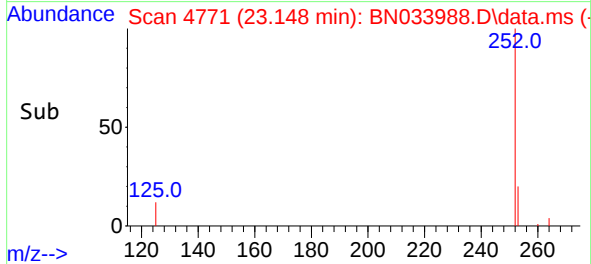
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:252 Resp: 248
Ion Ratio Lower Upper
252 100
253 58.2 22.8 34.2
125 57.2 18.0 27.0

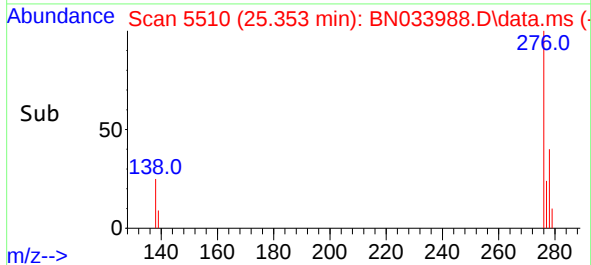
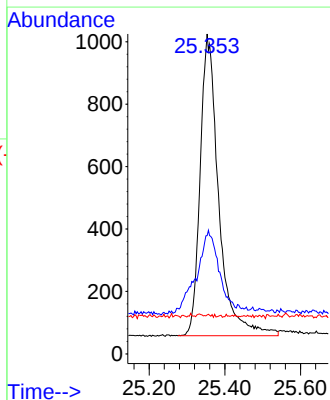
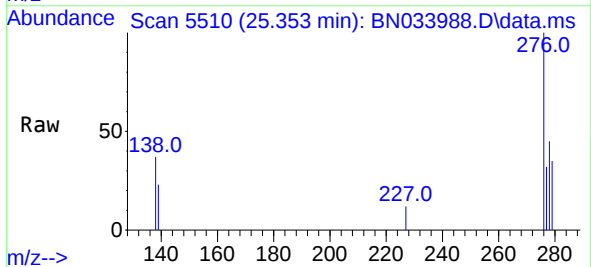
Manual Integrations
APPROVED

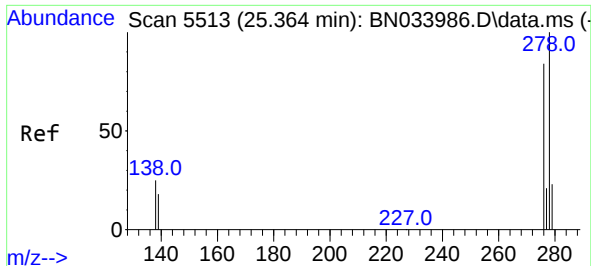
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng/ul
RT: 25.353 min Scan# 5510
Delta R.T. -0.008 min
Lab File: BN033988.D
Acq: 16 Sep 2024 15:07

Tgt Ion:276 Resp: 3287
Ion Ratio Lower Upper
276 100
138 33.1 22.3 33.5
227 0.2 0.2 0.4





#28

Dibenzo(a,h)anthracene

Concen: 0.062 ng/ul

RT: 25.370 min Scan# 51

Delta R.T. -0.008 min

Lab File: BN033988.D

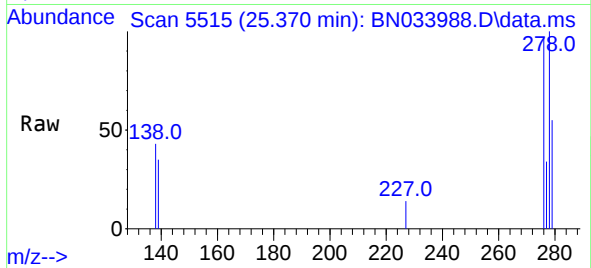
Acq: 16 Sep 2024 15:07

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT3-2024-06



Tgt Ion:278 Resp: 262

Ion Ratio Lower Upper

278 100

139 35.0 17.3 25.9

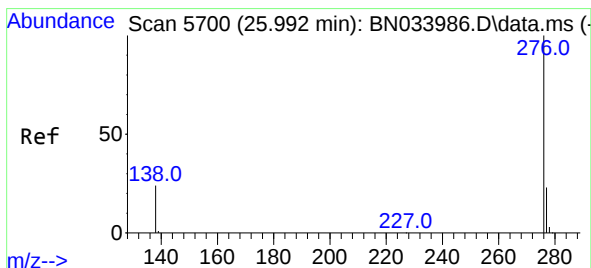
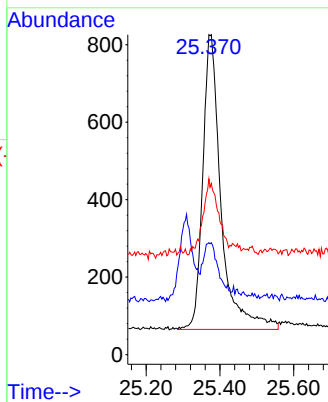
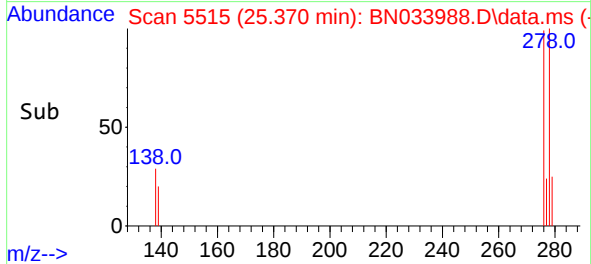
279 55.0 21.5 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/17/2024



#29

Benzo(g,h,i)perylene

Concen: 0.063 ng/ul

RT: 25.997 min Scan# 5702

Delta R.T. -0.005 min

Lab File: BN033988.D

Acq: 16 Sep 2024 15:07

Tgt Ion:276 Resp: 2684

Ion Ratio Lower Upper

276 100

138 35.7 20.8 31.2#

277 32.5 20.2 30.4#

