

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112624\
 Data File : BN035346.D
 Acq On : 27 Nov 2024 11:51
 Operator : RC/JU
 Sample : P4776-01
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Manual Integrations
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Reviewed By :Yogesh Patel 11/28/2024
 Supervised By :mohammad ahmed 11/28/2024

Quant Time: Nov 27 23:49:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 06:09:15 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.309	152	3786	0.400	ng/ul	0.00
4) Naphthalene-d8	10.058	136	9688	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.967	164	5959	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.734	188	11890	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.976	240	6597	0.400	ng/ul	# 0.00
23) Perylene-d12	23.065	264	7173	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.972	96	1700	0.491	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.659	152	4739	0.334	ng/ul	0.00
18) Fluoranthene-d10	18.786	212	9070	0.498	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.005	88	251	0.067	ng/ul#	89
5) Naphthalene	10.102	128	1550	0.064	ng/ul#	91
7) 2-Methylnaphthalene	11.736	142	1029	0.061	ng/ul	97
8) 1-Methylnaphthalene	11.961	142	1039	0.061	ng/ul	98
10) Acenaphthylene	13.680	152	1547	0.065	ng/ul#	93
11) Acenaphthene	14.032	153	1193	0.066	ng/ul	97
12) Fluorene	15.036	166	1305	0.061	ng/ul#	96
14) Pentachlorophenol	16.396	266	155	0.056	ng/ul	92
15) Phenanthrene	16.776	178	2057	0.065	ng/ul#	94
16) Anthracene	16.869	178	1665	0.057	ng/ul#	91
19) Fluoranthene	18.814	202	2049	0.089	ng/ul#	86
20) Pyrene	19.181	202	1986	0.083	ng/ul#	84
21) Benzo(a)anthracene	20.958	228	1396	0.061	ng/ul	93
22) Chrysene	21.011	228	1592	0.069	ng/ul	94
24) Benzo(b)fluoranthene	22.454	252	1469	0.062	ng/ul#	64
25) Benzo(k)fluoranthene	22.498	252	1640	0.067	ng/ul#	59
26) Benzo(a)pyrene	22.978	252	1323	0.061	ng/ul#	54
27) Indeno(1,2,3-cd)pyrene	25.111	276	1822m	0.062	ng/ul	
28) Dibenzo(a,h)anthracene	25.128	278	1376m	0.060	ng/ul	
29) Benzo(g,h,i)perylene	25.721	276	1518	0.066	ng/ul#	77

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

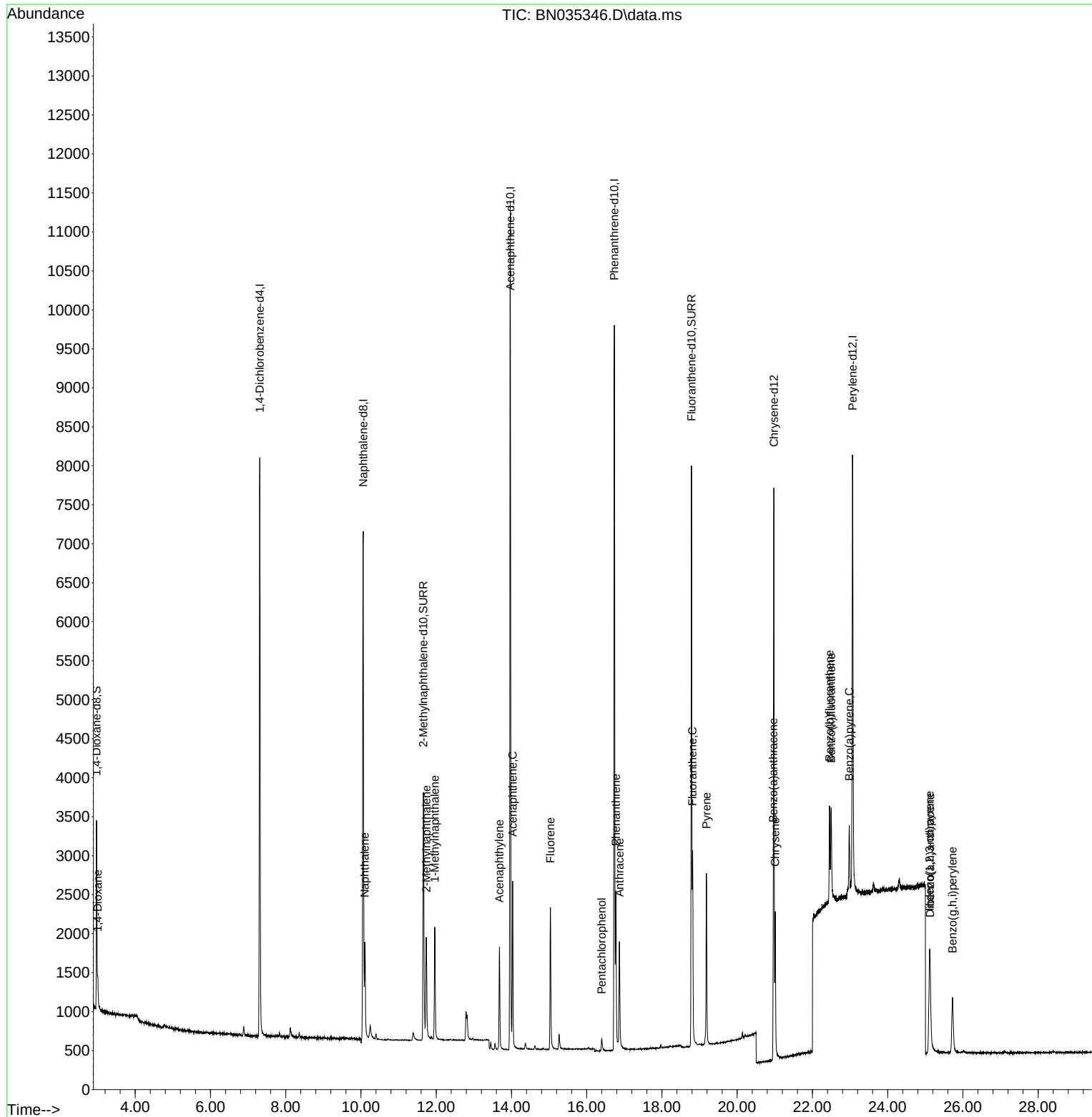
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112624\
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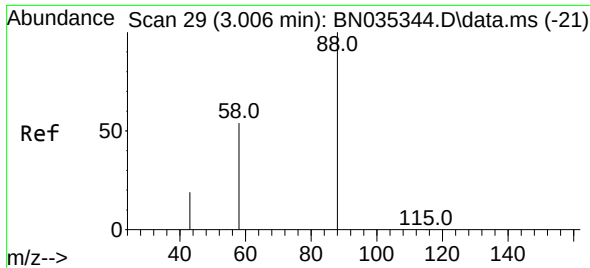
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-07

Quant Time: Nov 27 23:49:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 06:09:15 2024
Response via : Initial Calibration

Manual Integrations
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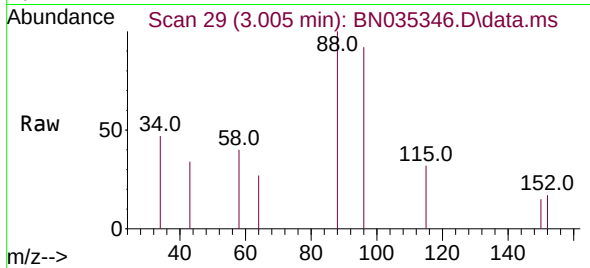
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024





#2
1,4-Dioxane
Concen: 0.067 ng/ul
RT: 3.005 min Scan# 29
Delta R.T. -0.000 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

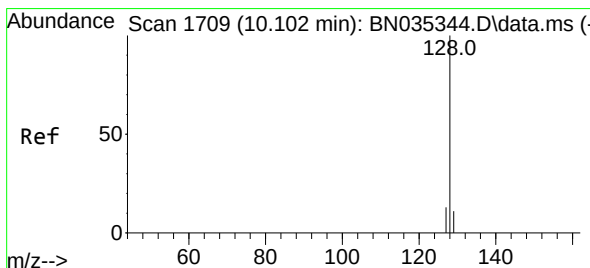
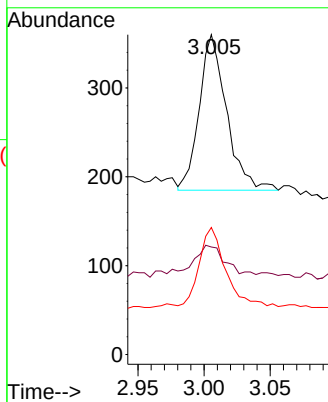
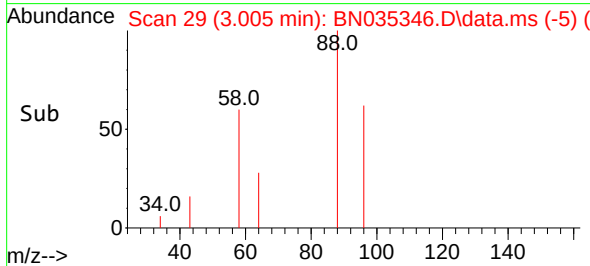
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 33.6 20.6 31.0#
58 39.7 36.2 54.4

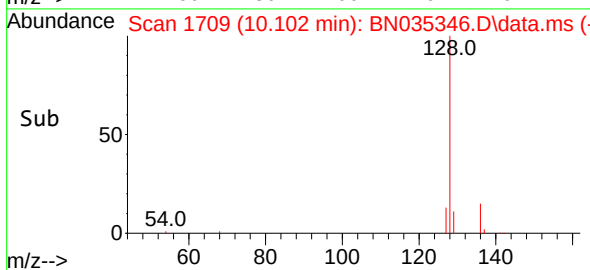
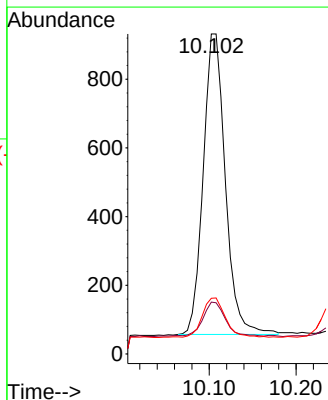
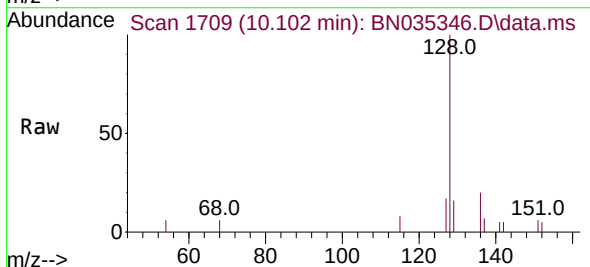
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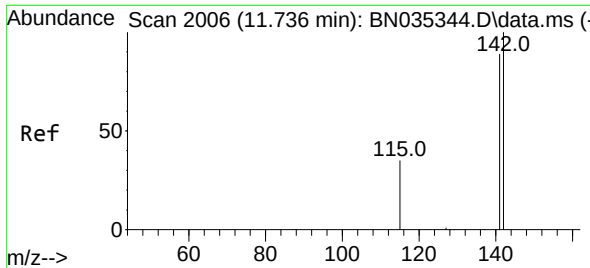
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#5
Naphthalene
Concen: 0.064 ng/ul
RT: 10.102 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

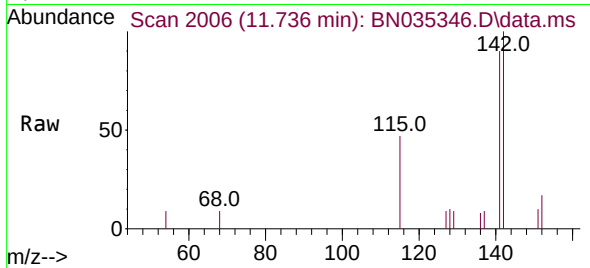
Tgt Ion:128 Resp: 1550
Ion Ratio Lower Upper
128 100
129 16.2 9.9 14.9#
127 17.4 11.4 17.2#





#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 11.736 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

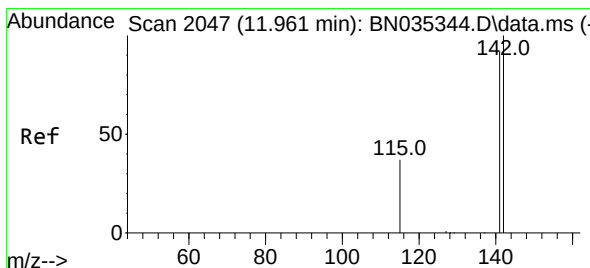
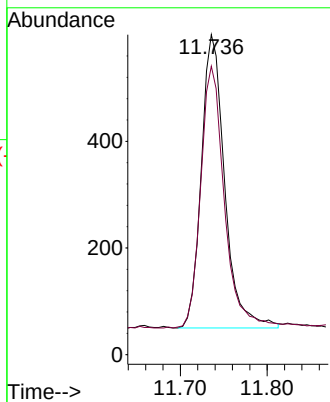
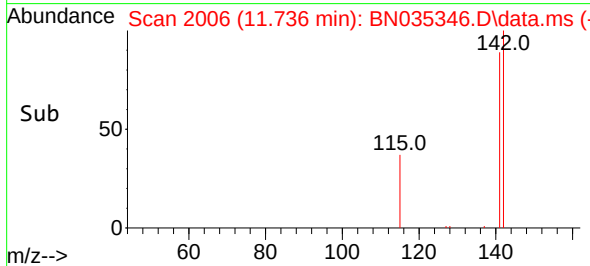
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:142 Resp: 1029
Ion Ratio Lower Upper
142 100
141 90.4 70.4 105.6

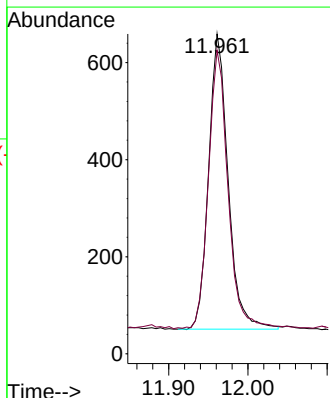
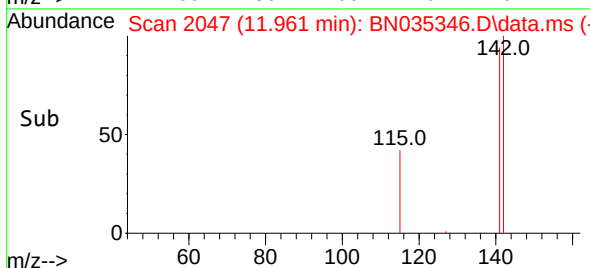
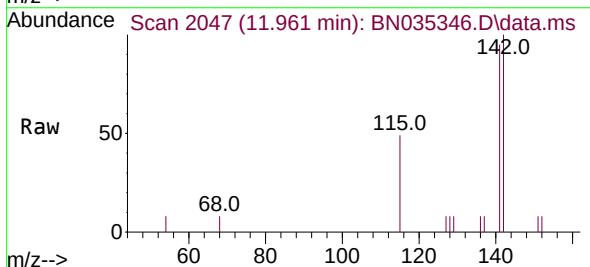
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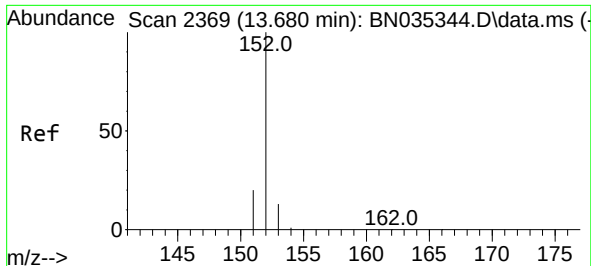
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#8
1-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 11.961 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

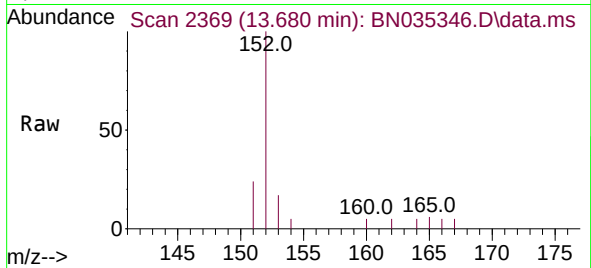
Tgt Ion:142 Resp: 1039
Ion Ratio Lower Upper
142 100
141 93.7 73.1 109.7





#10
Acenaphthylene
Concen: 0.065 ng/ul
RT: 13.680 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

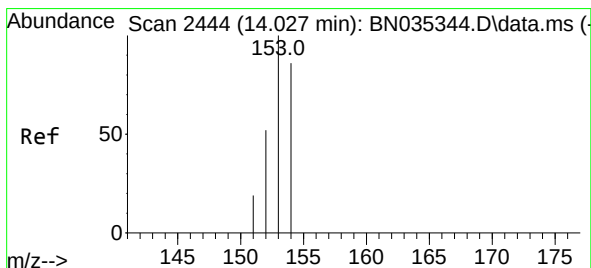
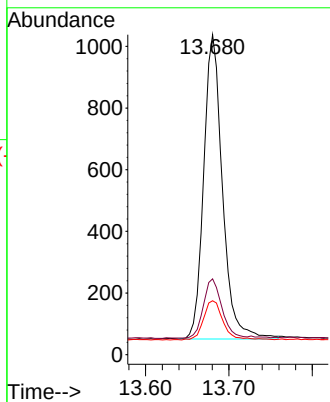
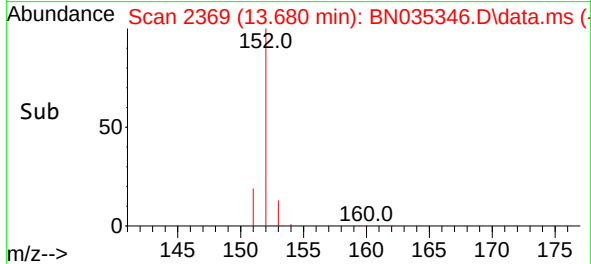
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:152 Resp: 154
Ion Ratio Lower Upper
152 100
151 23.7 16.4 24.6
153 16.9 11.1 16.7

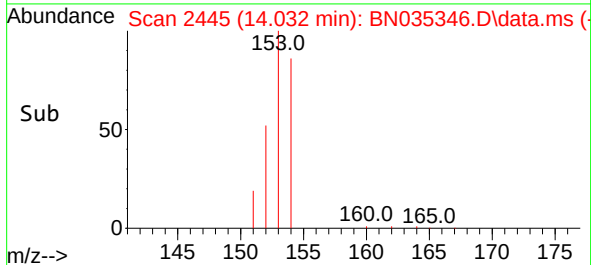
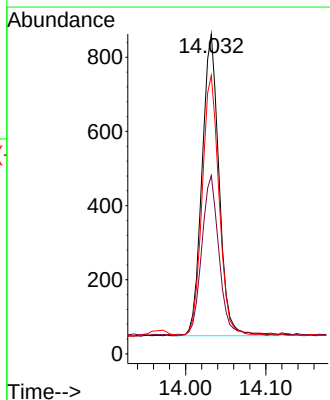
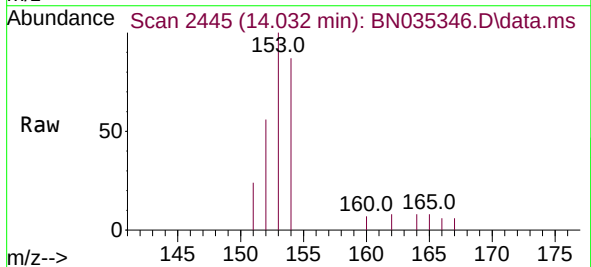
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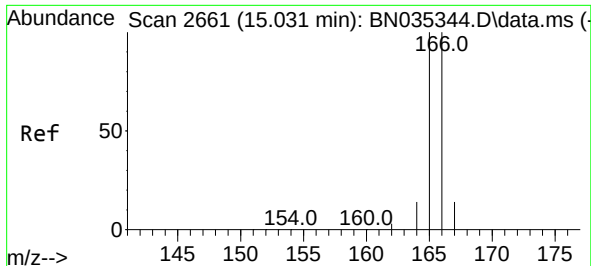
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#11
Acenaphthene
Concen: 0.066 ng/ul
RT: 14.032 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

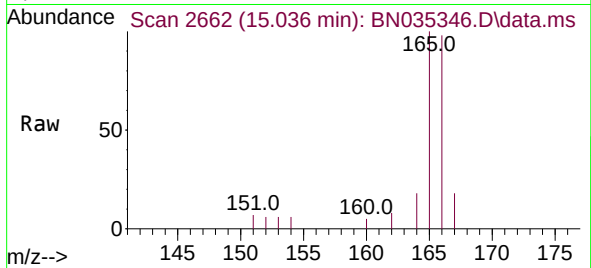
Tgt Ion:153 Resp: 1193
Ion Ratio Lower Upper
153 100
152 55.7 41.4 62.0
154 87.0 71.2 106.8





#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.036 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

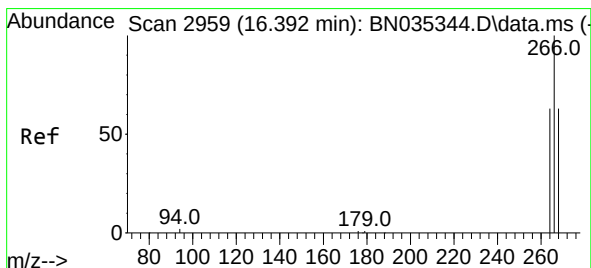
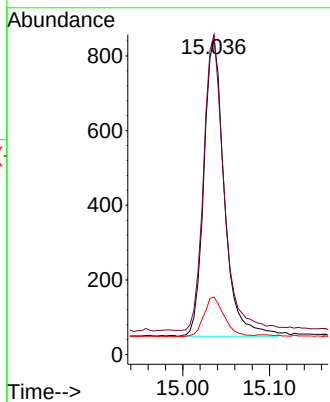
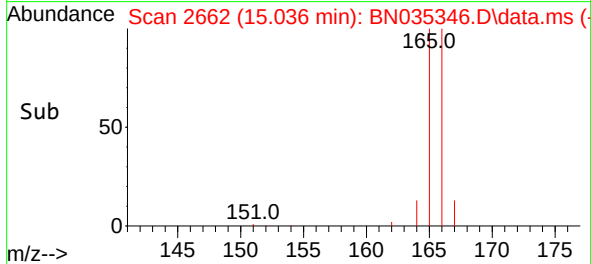
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:166 Resp: 130
Ion Ratio Lower Upper
166 100
165 101.5 78.6 118.0
167 18.2 11.8 17.6

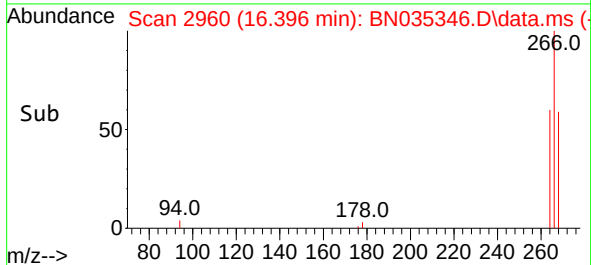
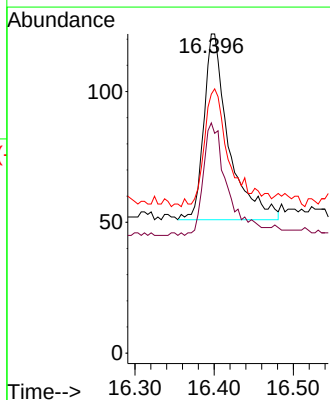
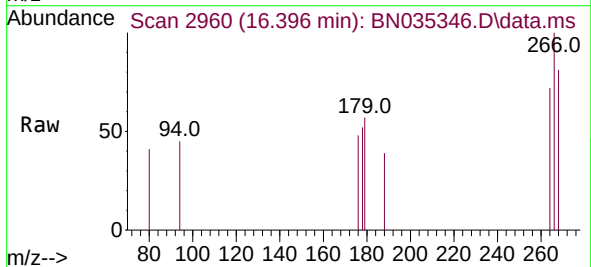
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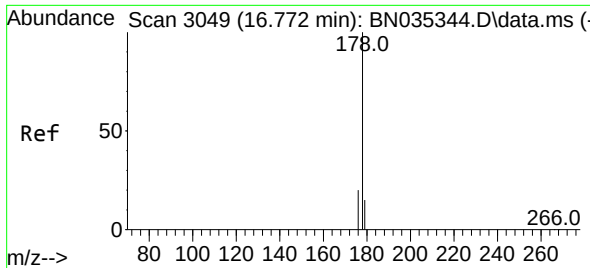
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#14
Pentachlorophenol
Concen: 0.056 ng/ul
RT: 16.396 min Scan# 2960
Delta R.T. -0.004 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

Tgt Ion:266 Resp: 155
Ion Ratio Lower Upper
266 100
264 60.6 51.8 77.6
268 56.1 51.3 76.9





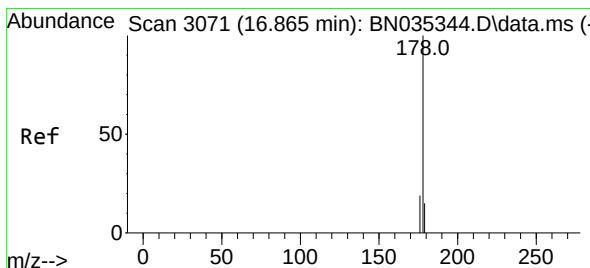
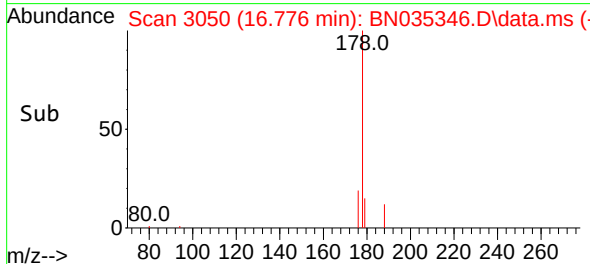
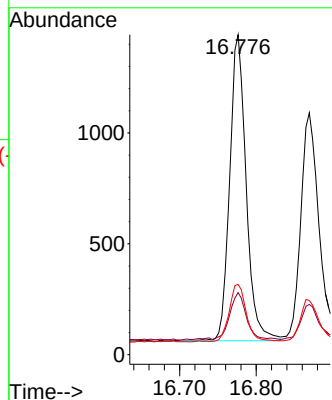
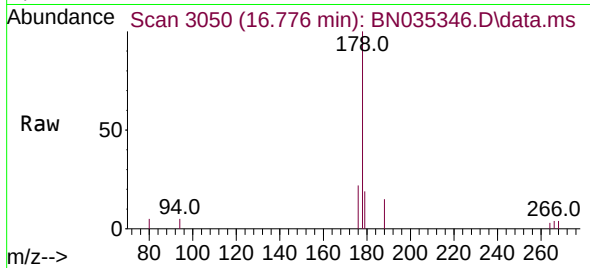
#15
Phenanthrene
Concen: 0.065 ng/ul
RT: 16.776 min Scan# 3049
Delta R.T. -0.004 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:178 Resp: 205
Ion Ratio Lower Upper
178 100
179 19.4 12.9 19.3#
176 22.0 15.6 23.4

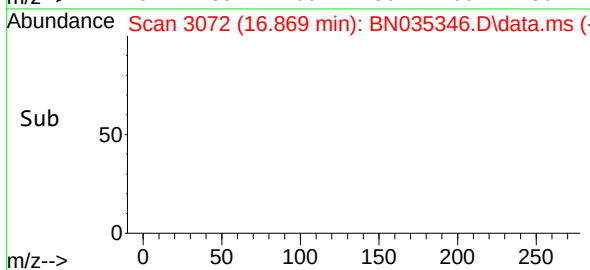
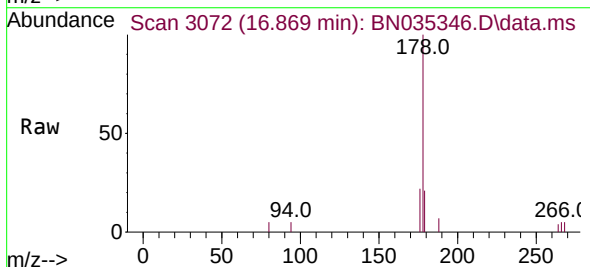
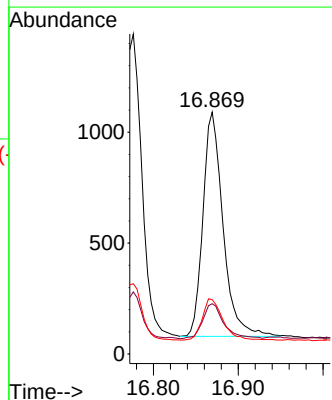
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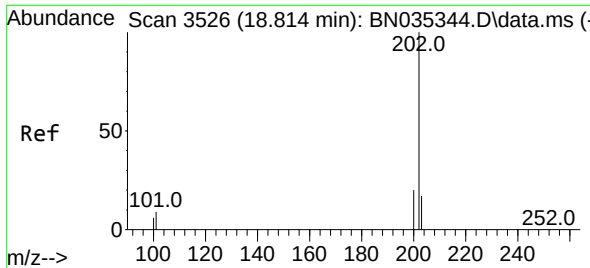
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#16
Anthracene
Concen: 0.057 ng/ul
RT: 16.869 min Scan# 3072
Delta R.T. -0.004 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

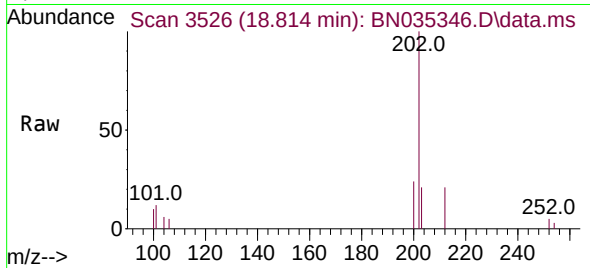
Tgt Ion:178 Resp: 1665
Ion Ratio Lower Upper
178 100
179 20.8 12.9 19.3#
176 22.5 15.4 23.2





#19
Fluoranthene
Concen: 0.089 ng/ul
RT: 18.814 min Scan# 3526
Delta R.T. -0.005 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

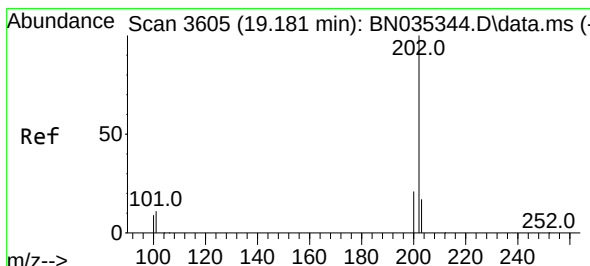
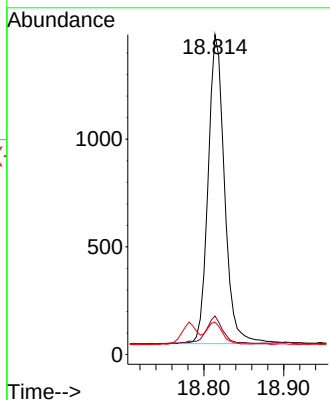
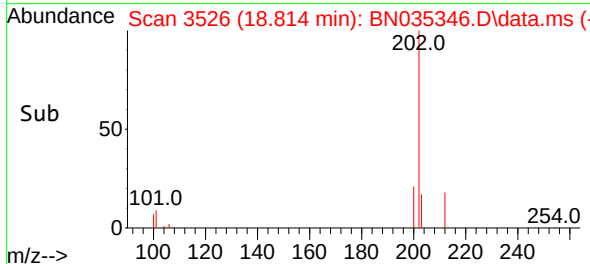
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:202 Resp: 2049
Ion Ratio Lower Upper
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101 12.1 5.8 8.6#
100 10.2 4.5 6.7#

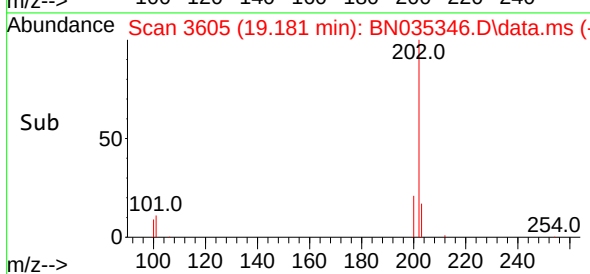
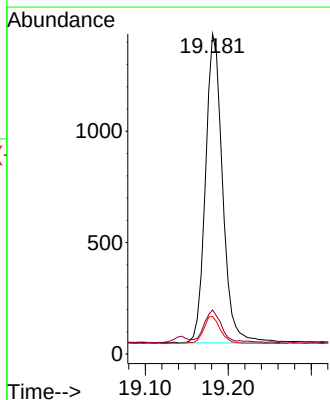
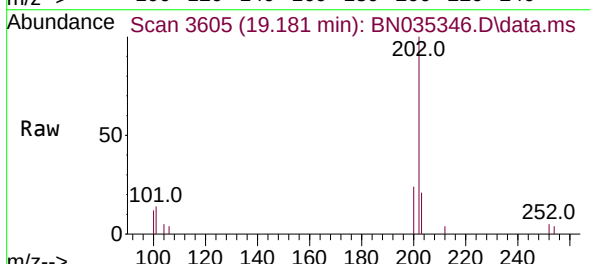
Manual Integrations
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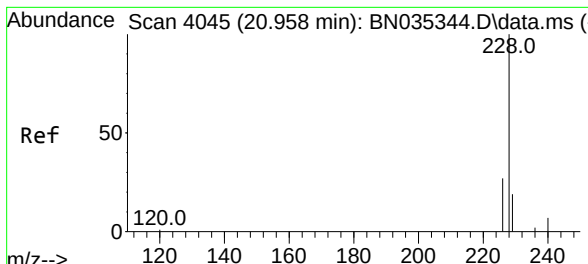
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#20
Pyrene
Concen: 0.083 ng/ul
RT: 19.181 min Scan# 3605
Delta R.T. -0.005 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

Tgt Ion:202 Resp: 1986
Ion Ratio Lower Upper
202 100
101 13.8 6.2 9.4#
100 11.7 5.1 7.7#





#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 20.958 min Scan# 4045
Delta R.T. -0.006 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

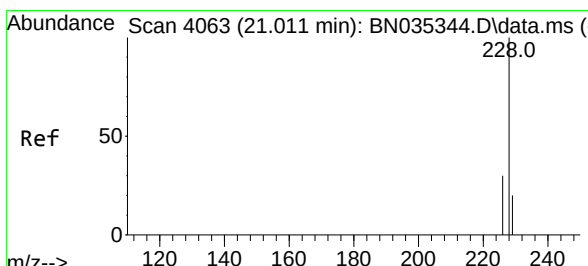
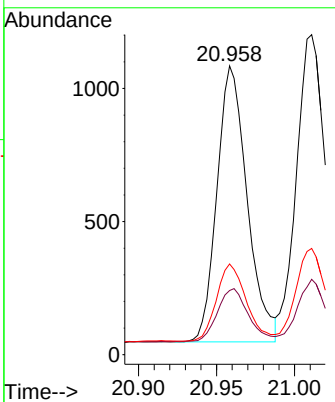
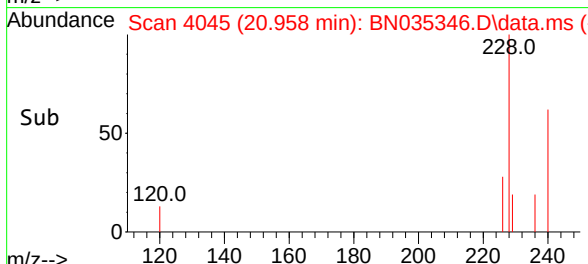
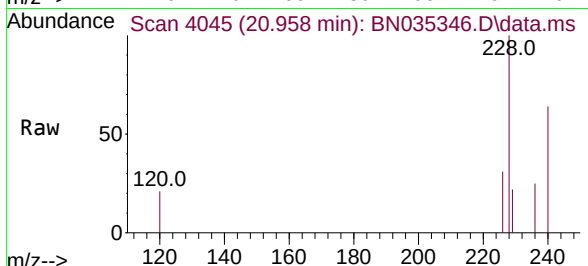
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion:228 Resp: 1390

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.8	23.8
226	31.4	21.8	32.8

Manual Integrations
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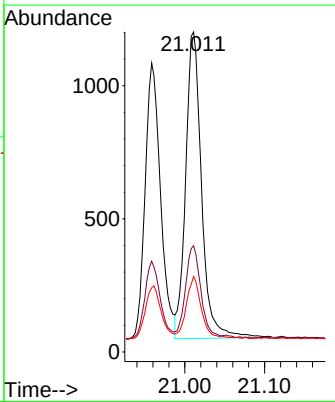
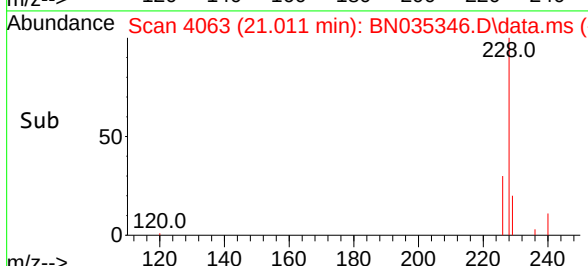
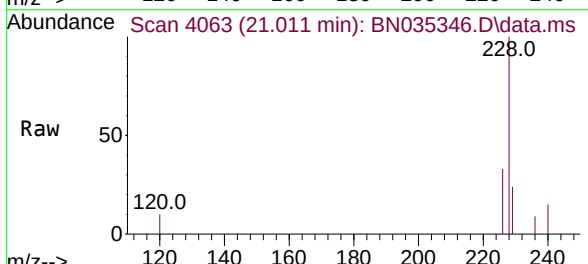
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024

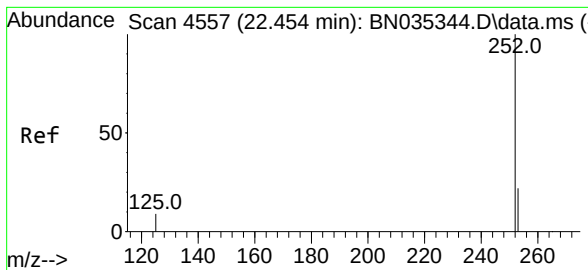


#22
Chrysene
Concen: 0.069 ng/ul
RT: 21.011 min Scan# 4063
Delta R.T. -0.006 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

Tgt Ion:228 Resp: 1592

Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.7	37.1
229	23.5	16.0	24.0





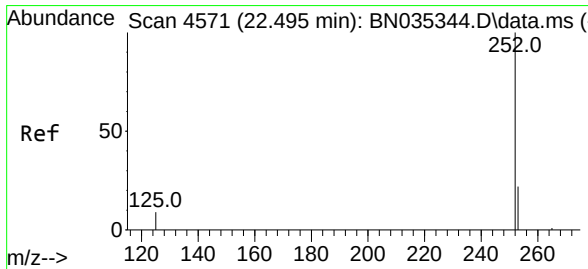
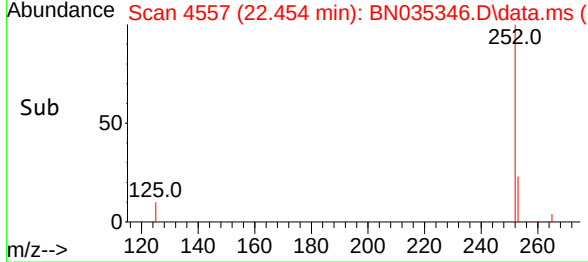
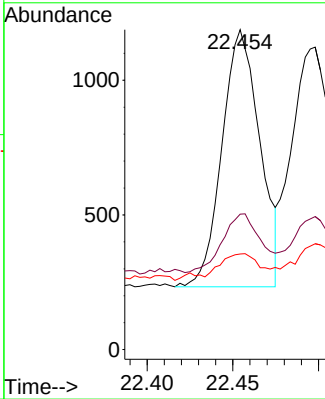
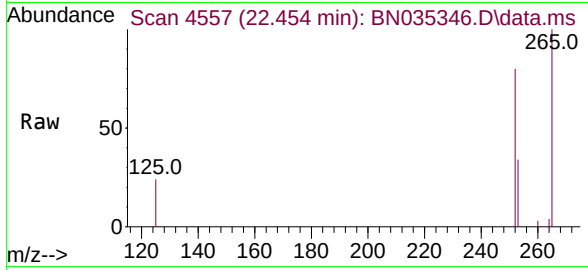
#24
Benzo(b)fluoranthene
Concen: 0.062 ng/ul
RT: 22.454 min Scan# 4557
Delta R.T. -0.009 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	252	Resp:	1469
Ion Ratio	Lower	Upper	
252	100		
253	42.3	0.0	54.0
125	29.9	0.0	19.4

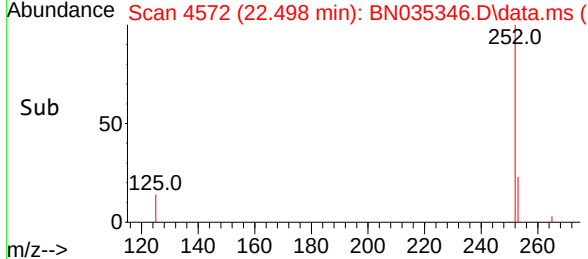
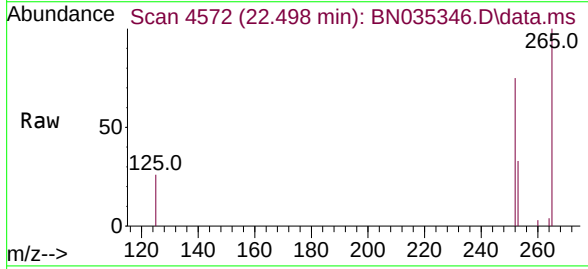
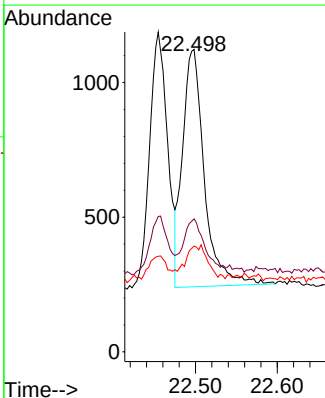
Manual Integrations
APPROVED

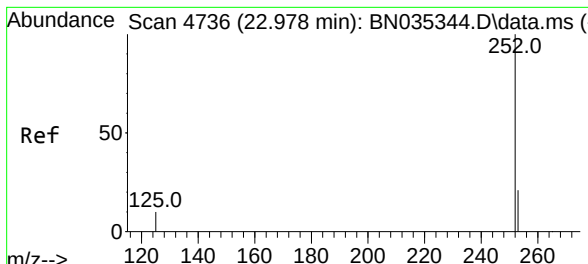
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#25
Benzo(k)fluoranthene
Concen: 0.067 ng/ul
RT: 22.498 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

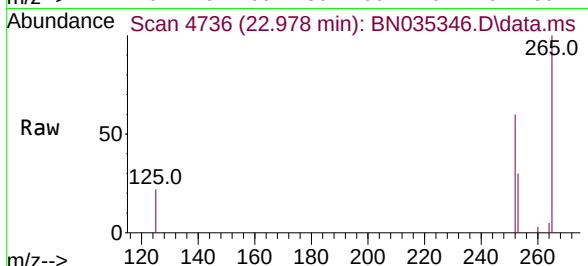
Tgt Ion:	252	Resp:	1640
Ion Ratio	Lower	Upper	
252	100		
253	44.0	21.8	32.6#
125	35.0	8.6	12.8#





#26
Benzo(a)pyrene
Concen: 0.061 ng/ul
RT: 22.978 min Scan# 4736
Delta R.T. -0.009 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

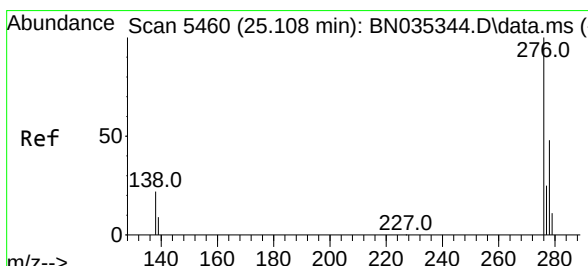
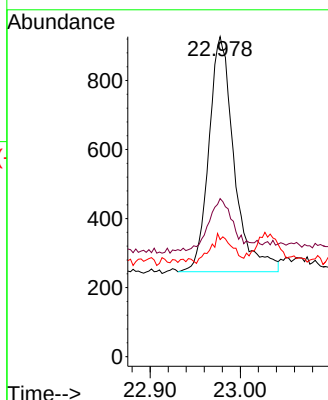
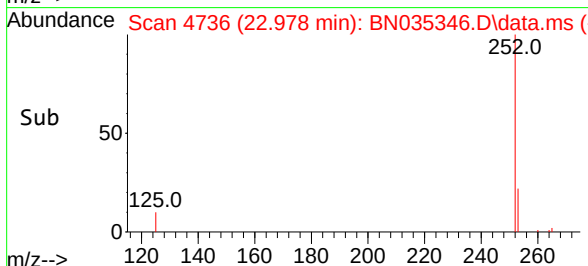
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-07



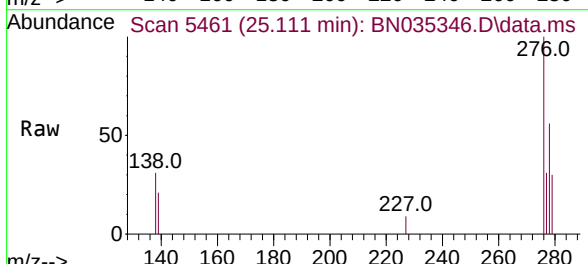
Tgt Ion:252 Resp: 132
Ion Ratio Lower Upper
252 100
253 49.4 22.9 34.3
125 36.6 9.4 14.2

Manual Integrations
APPROVED

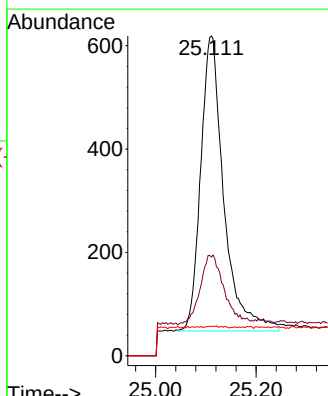
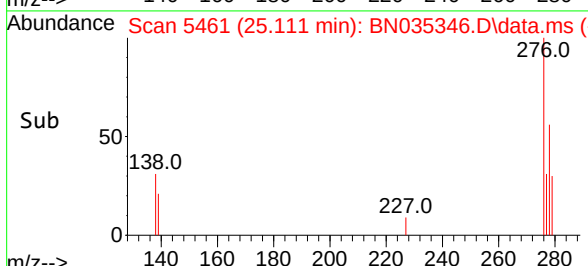
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024

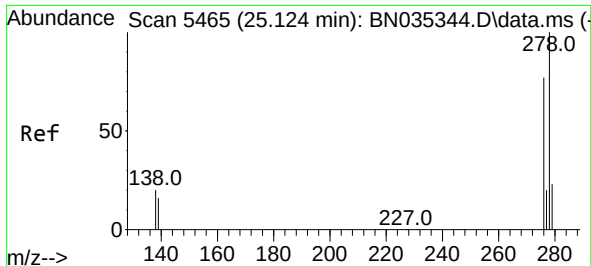


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.062 ng/ul m
RT: 25.111 min Scan# 5461
Delta R.T. -0.010 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51



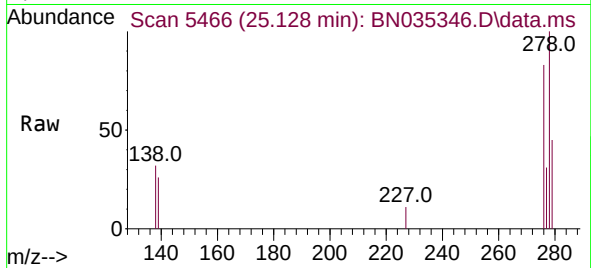
Tgt Ion:276 Resp: 1822
Ion Ratio Lower Upper
276 100
138 23.3 13.8 20.8#
227 53.0 0.2 0.4#





#28
Dibenzo(a,h)anthracene
Concen: 0.060 ng/ul m
RT: 25.128 min Scan# 5465
Delta R.T. -0.010 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

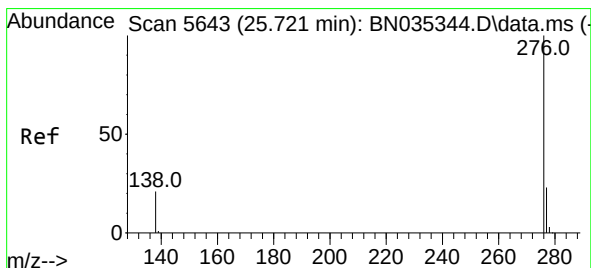
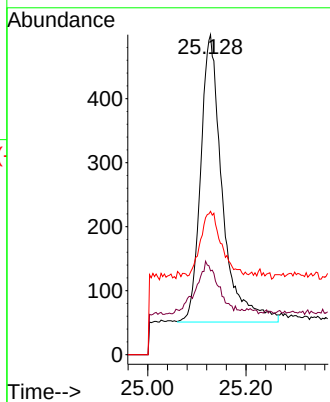
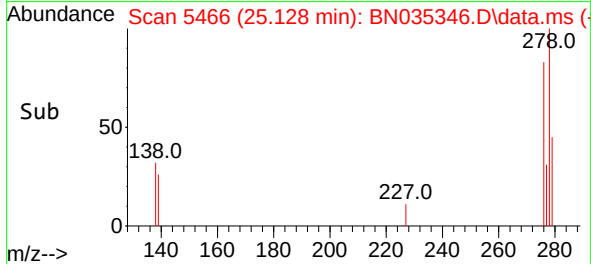
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:278 Resp: 1370
Ion Ratio Lower Upper
278 100
139 26.2 10.7 16.1#
279 44.8 22.8 34.2#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#29
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 25.721 min Scan# 5643
Delta R.T. -0.014 min
Lab File: BN035346.D
Acq: 27 Nov 2024 11:51

Tgt Ion:276 Resp: 1518
Ion Ratio Lower Upper
276 100
138 31.1 13.0 19.6#
277 33.6 20.5 30.7#

