

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022123\
 Data File : BN024077.D
 Acq On : 21 Feb 2023 11:19
 Operator : CG/JU
 Sample : 01378-01
 Misc : SFAM-SIM-MDL-WATER-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 22 01:30:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 14:45:13 2023
 Response via : Initial Calibration

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

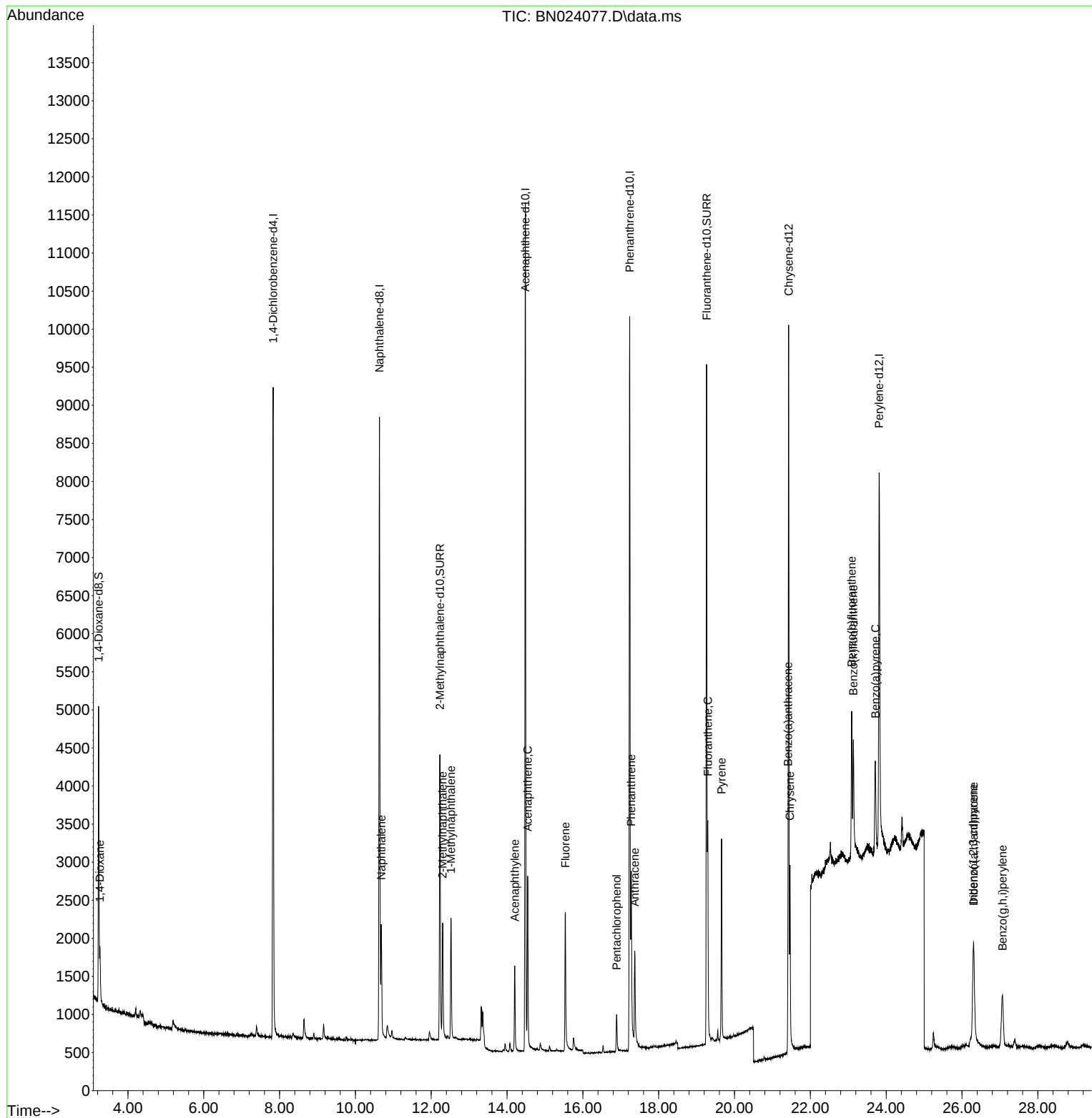
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	4366	0.400	ng/ul	0.00
4) Naphthalene-d8	10.634	136	11263	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.483	164	6108	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.234	188	12282	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.429	240	8611	0.400	ng/ul	# 0.00
23) Perylene-d12	23.814	264	6710	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.227	96	2459	0.525	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.229	152	5181	0.294	ng/ul	0.00
18) Fluoranthene-d10	19.262	212	10444	0.451	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.260	88	473	0.095	ng/ul#	85
5) Naphthalene	10.683	128	1907	0.062	ng/ul#	92
7) 2-Methylnaphthalene	12.300	142	1151	0.057	ng/ul	100
8) 1-Methylnaphthalene	12.520	142	1131	0.055	ng/ul	99
10) Acenaphthylene	14.201	152	1361	0.058	ng/ul#	93
11) Acenaphthene	14.544	153	1265	0.062	ng/ul	97
12) Fluorene	15.538	166	1391	0.056	ng/ul#	98
14) Pentachlorophenol	16.892	266	390	0.096	ng/ul	96
15) Phenanthrene	17.276	178	2231	0.061	ng/ul#	93
16) Anthracene	17.369	178	1702	0.056	ng/ul#	90
19) Fluoranthene	19.295	202	2413	0.084	ng/ul#	89
20) Pyrene	19.657	202	2364	0.080	ng/ul#	88
21) Benzo(a)anthracene	21.411	228	1701	0.058	ng/ul	93
22) Chrysene	21.464	228	1983	0.064	ng/ul	94
24) Benzo(b)fluoranthene	23.089	252	2126	0.072	ng/ul#	46
25) Benzo(k)fluoranthene	23.136	252	1799	0.062	ng/ul#	50
26) Benzo(a)pyrene	23.715	252	1802	0.073	ng/ul#	8
27) Indeno(1,2,3-cd)pyrene	26.295	276	2171	0.063	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.312	278	1668	0.060	ng/ul#	58
29) Benzo(g,h,i)perylene	27.067	276	1863	0.065	ng/ul#	76

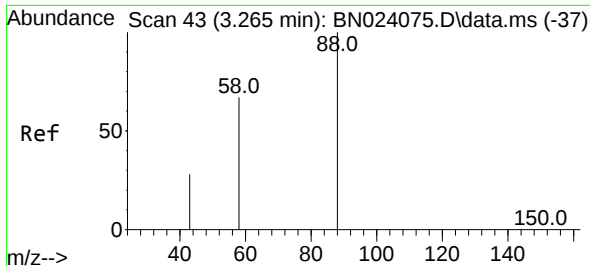
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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MDL-WATER-QT1-2023-01

Quant Time: Feb 22 01:30:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 14:45:13 2023
Response via : Initial Calibration

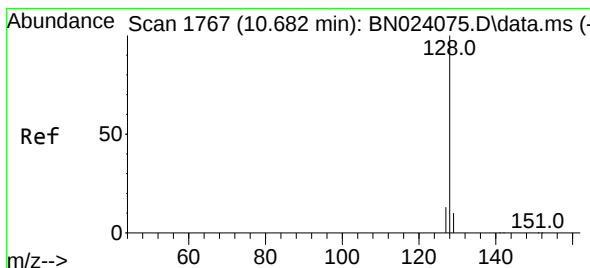
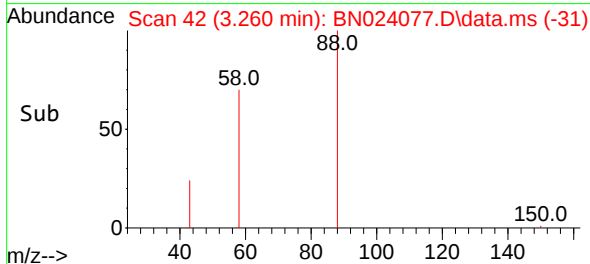
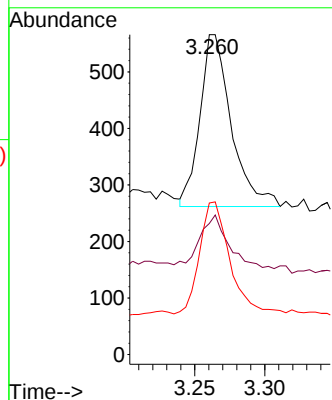
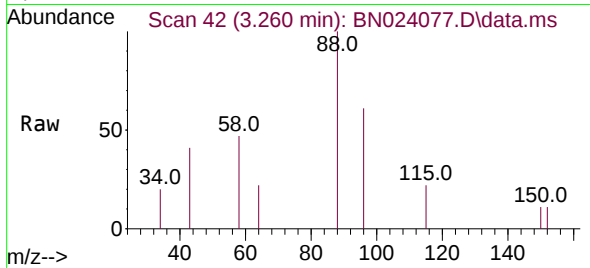




#2
1,4-Dioxane
Concen: 0.095 ng/ul
RT: 3.260 min Scan# 43
Delta R.T. -0.004 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

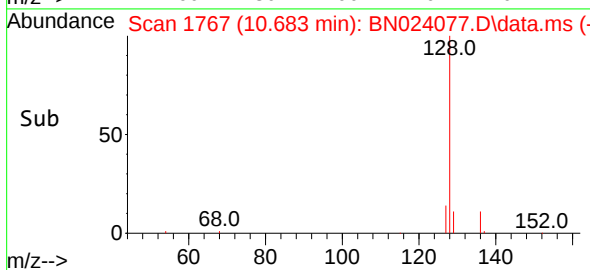
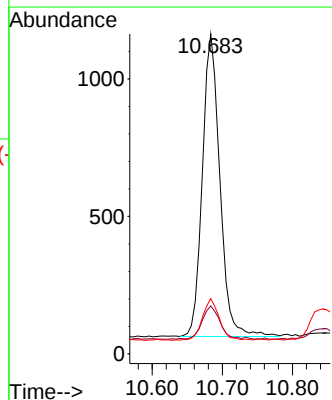
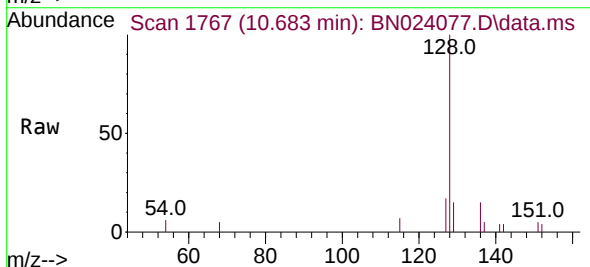
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-01

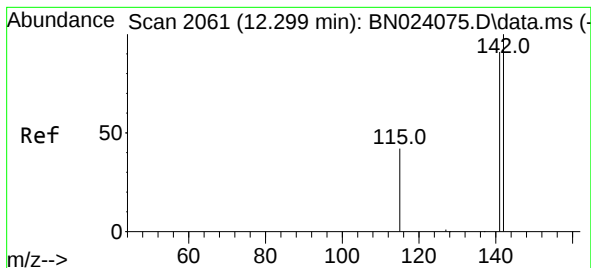
Tgt Ion: 88 Resp: 473
Ion Ratio Lower Upper
88 100
43 41.0 41.9 62.9#
58 47.3 45.6 68.4



#5
Naphthalene
Concen: 0.062 ng/ul
RT: 10.683 min Scan# 1767
Delta R.T. -0.005 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Tgt Ion: 128 Resp: 1907
Ion Ratio Lower Upper
128 100
129 14.9 9.7 14.5#
127 17.3 11.1 16.7#

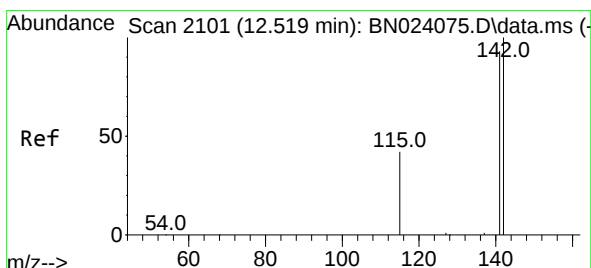
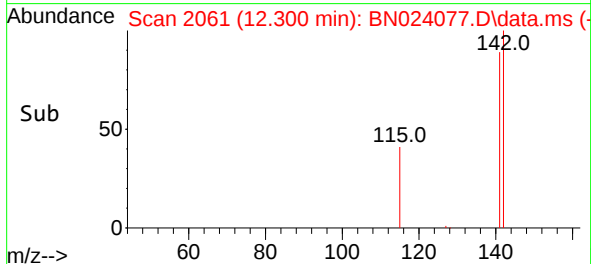
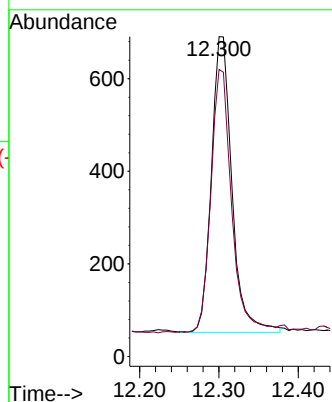
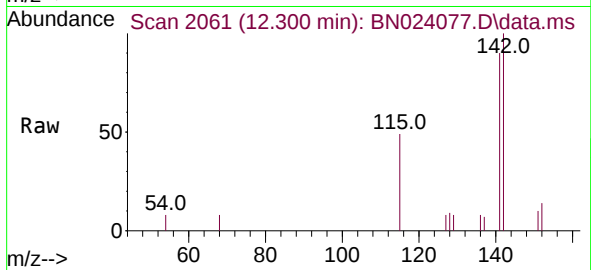




#7
2-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 12.300 min Scan# 2061
Delta R.T. -0.005 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

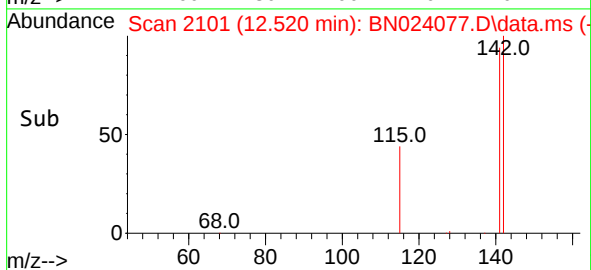
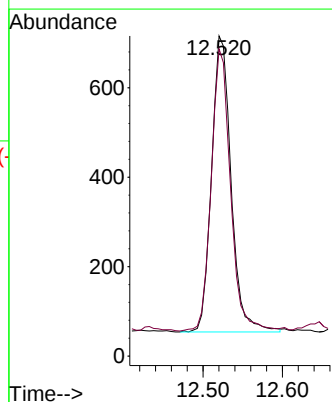
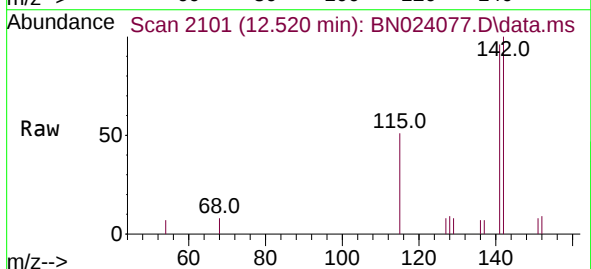
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-01

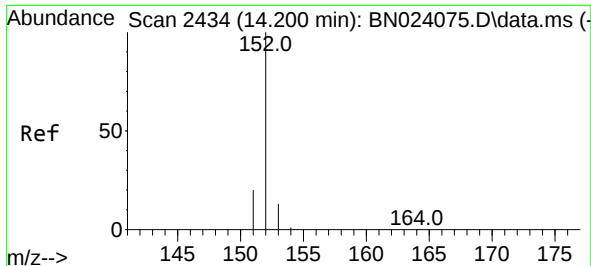
Tgt Ion:142 Resp: 1151
Ion Ratio Lower Upper
142 100
141 89.6 71.6 107.4



#8
1-Methylnaphthalene
Concen: 0.055 ng/ul
RT: 12.520 min Scan# 2101
Delta R.T. -0.005 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Tgt Ion:142 Resp: 1131
Ion Ratio Lower Upper
142 100
141 93.8 74.1 111.1

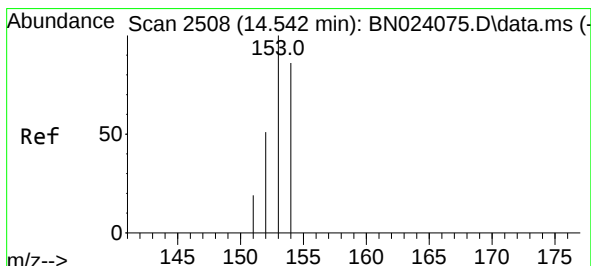
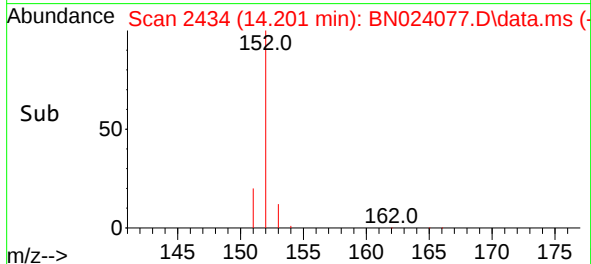
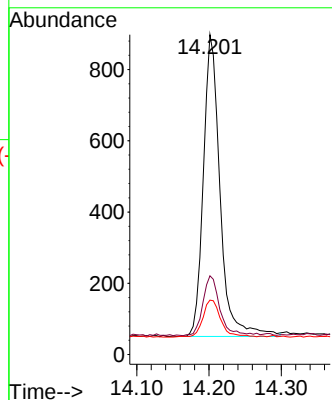
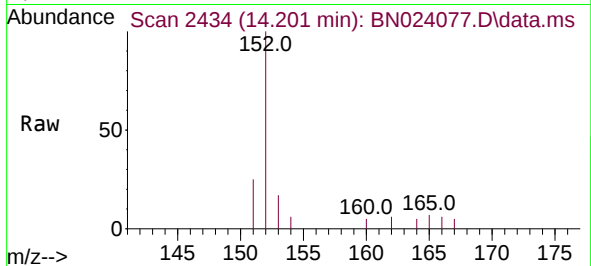




#10
Acenaphthylene
Concen: 0.058 ng/ul
RT: 14.201 min Scan# 2434
Delta R.T. -0.009 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

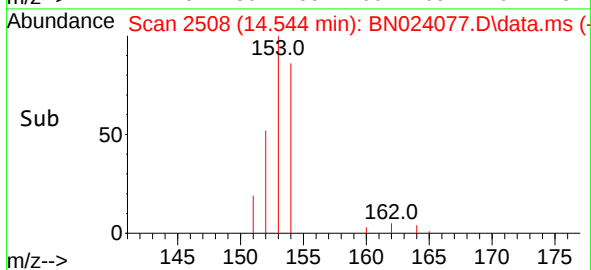
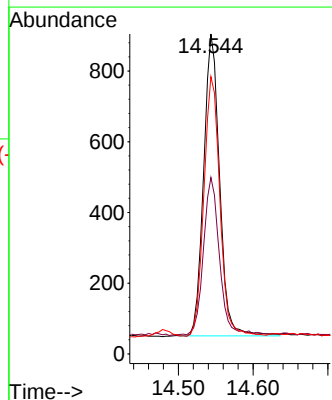
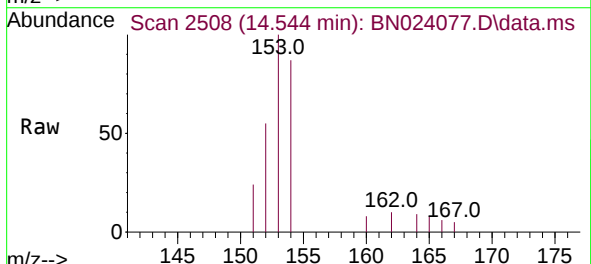
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-01

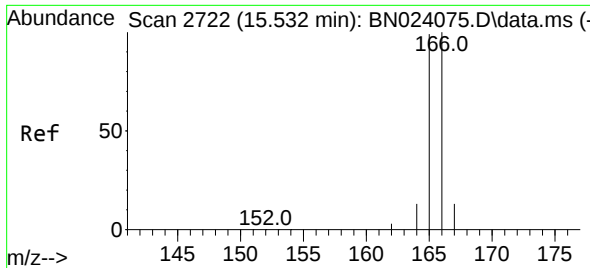
Tgt Ion:152 Resp: 1361
Ion Ratio Lower Upper
152 100
151 24.6 17.0 25.4
153 17.0 11.1 16.7#



#11
Acenaphthene
Concen: 0.062 ng/ul
RT: 14.544 min Scan# 2508
Delta R.T. -0.005 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Tgt Ion:153 Resp: 1265
Ion Ratio Lower Upper
153 100
152 55.1 39.6 59.4
154 86.6 68.8 103.2

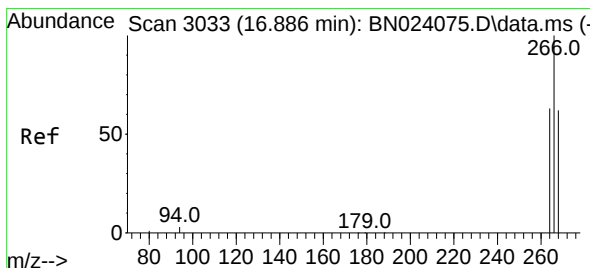
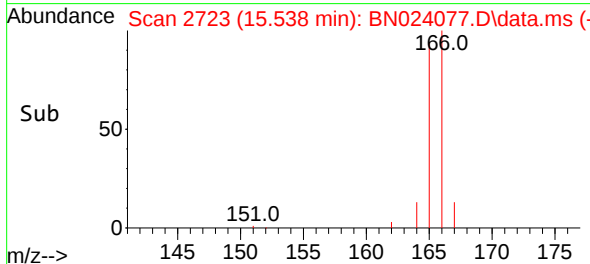
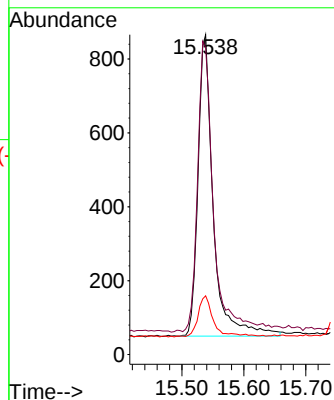
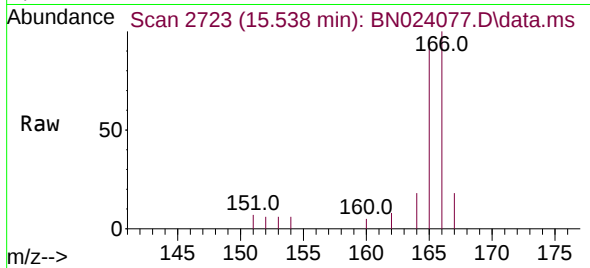




#12
Fluorene
Concen: 0.056 ng/ul
RT: 15.538 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

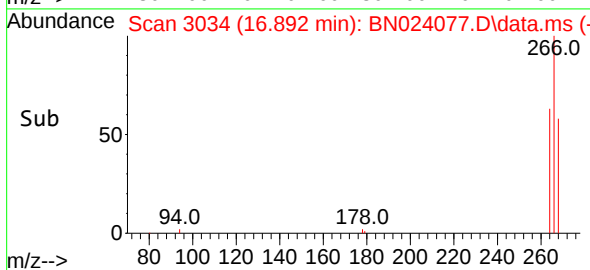
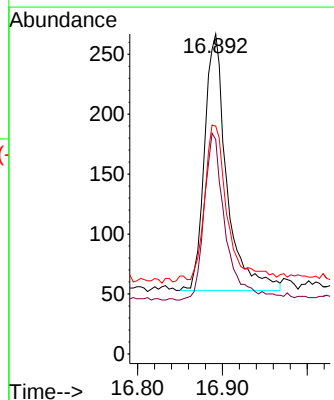
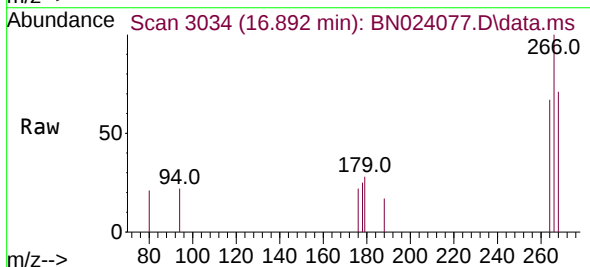
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-01

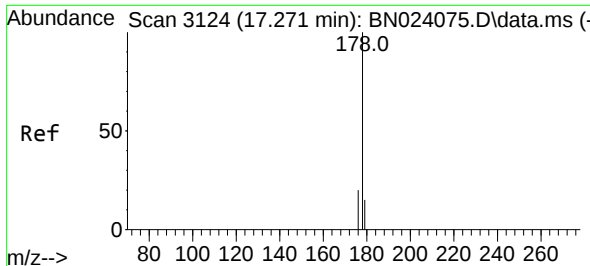
Tgt Ion:166 Resp: 1391
Ion Ratio Lower Upper
166 100
165 95.8 77.4 116.2
167 18.4 11.4 17.0#



#14
Pentachlorophenol
Concen: 0.096 ng/ul
RT: 16.892 min Scan# 3034
Delta R.T. 0.000 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Tgt Ion:266 Resp: 390
Ion Ratio Lower Upper
266 100
264 62.3 49.4 74.0
268 60.0 52.0 78.0

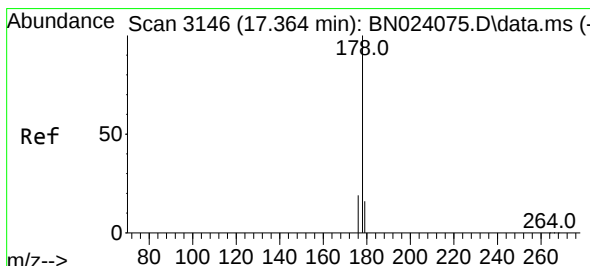
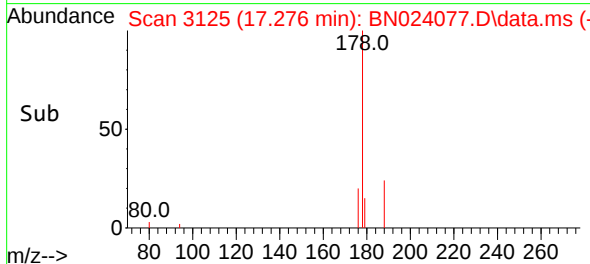
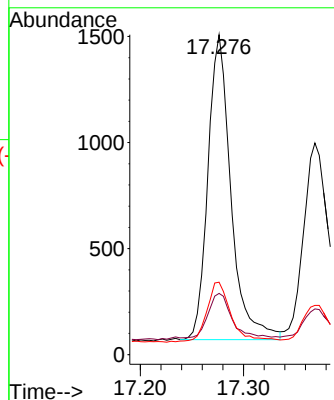
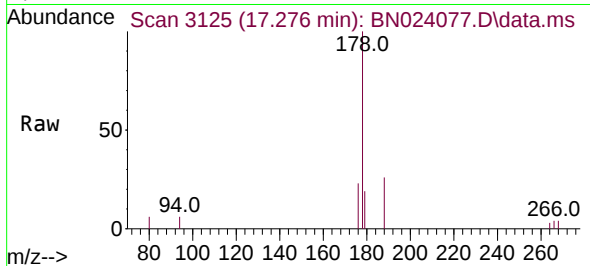




#15
Phenanthrene
Concen: 0.061 ng/ul
RT: 17.276 min Scan# 3124
Delta R.T. -0.004 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

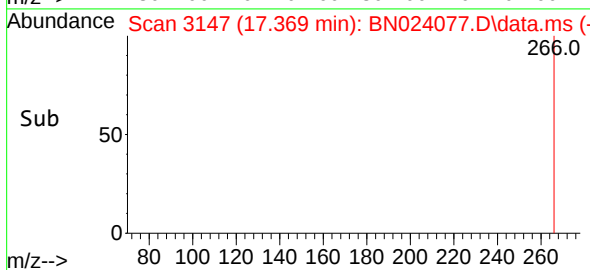
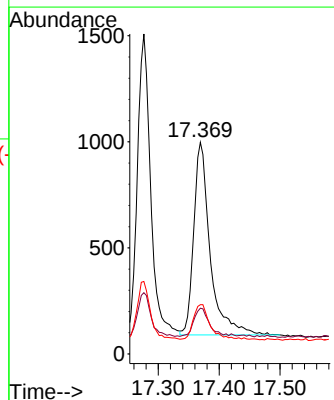
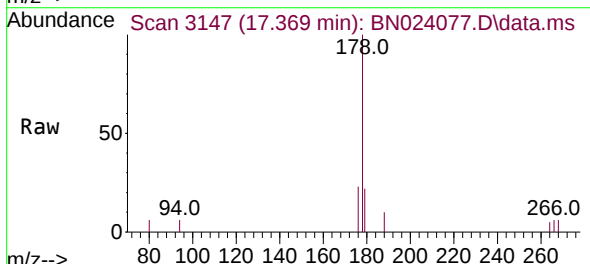
Instrument :
BNA_N
ClientSampleId :
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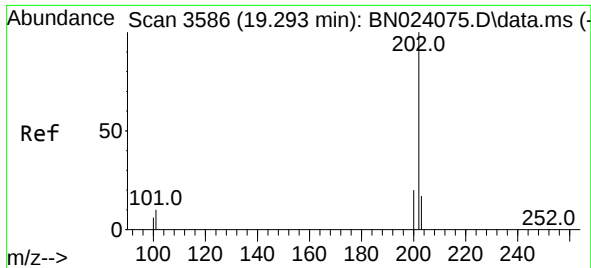
Tgt Ion:178 Resp: 2231
Ion Ratio Lower Upper
178 100
179 19.2 12.6 19.0#
176 22.7 15.7 23.5



#16
Anthracene
Concen: 0.056 ng/ul
RT: 17.369 min Scan# 3147
Delta R.T. 0.000 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Tgt Ion:178 Resp: 1702
Ion Ratio Lower Upper
178 100
179 21.6 13.4 20.0#
176 23.2 15.4 23.2#

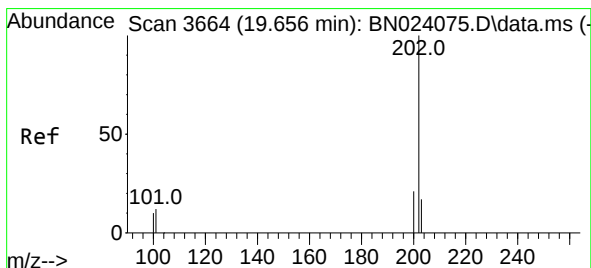
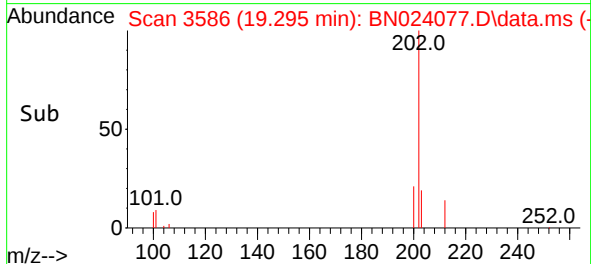
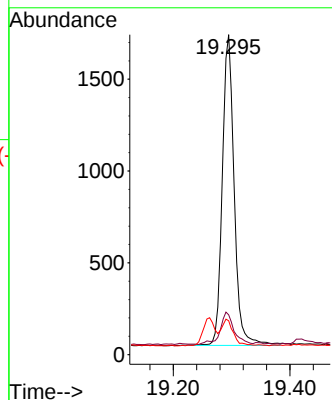
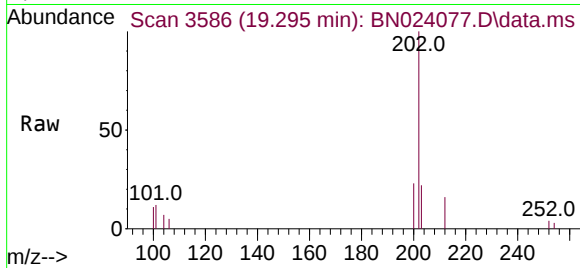




#19
Fluoranthene
Concen: 0.084 ng/ul
RT: 19.295 min Scan# 3586
Delta R.T. -0.005 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

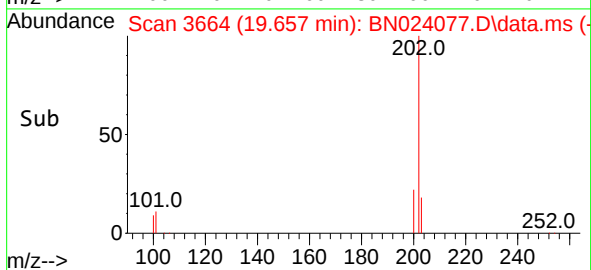
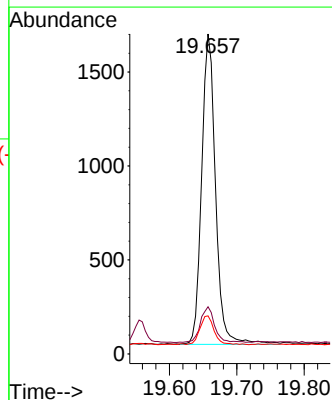
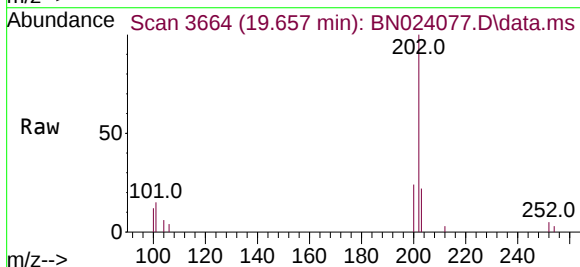
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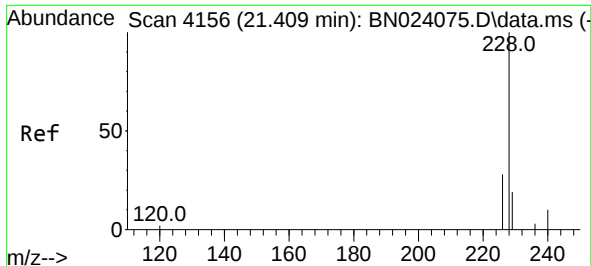
Tgt Ion:202 Resp: 2413
Ion Ratio Lower Upper
202 100
101 12.4 6.8 10.2#
100 10.6 5.2 7.8#



#20
Pyrene
Concen: 0.080 ng/ul
RT: 19.657 min Scan# 3664
Delta R.T. -0.005 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

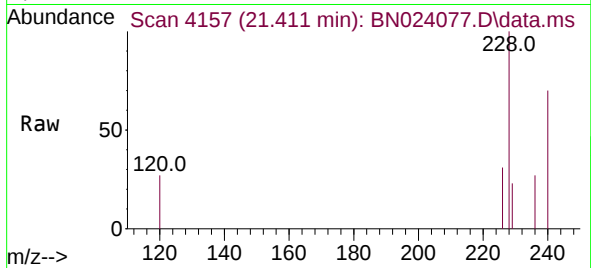
Tgt Ion:202 Resp: 2364
Ion Ratio Lower Upper
202 100
101 14.7 8.1 12.1#
100 11.9 6.2 9.4#



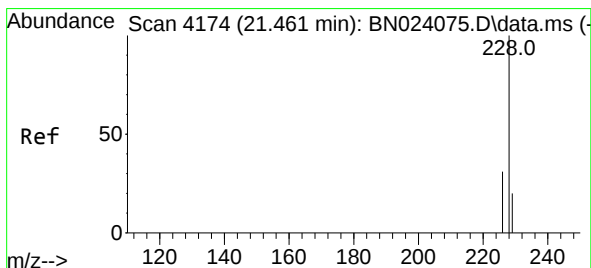
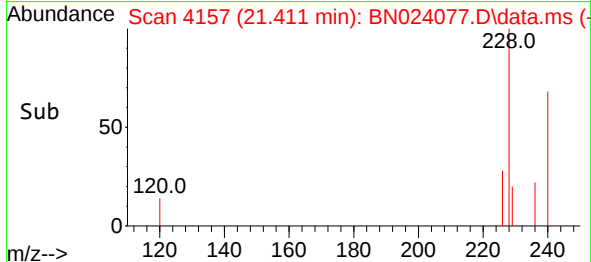
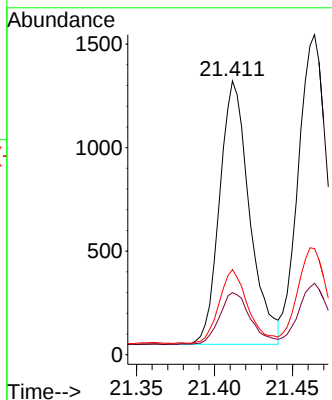


#21
Benzo(a)anthracene
Concen: 0.058 ng/ul
RT: 21.411 min Scan# 4156
Delta R.T. 0.000 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-01

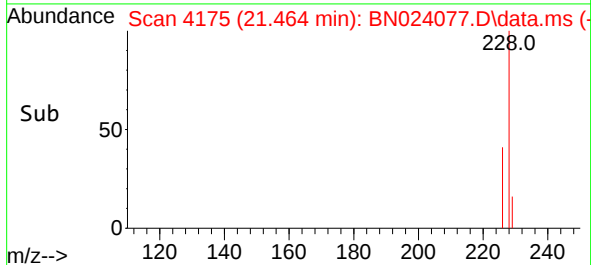
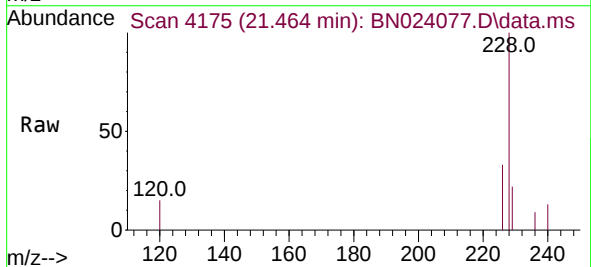
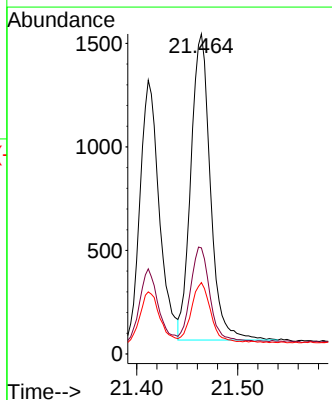


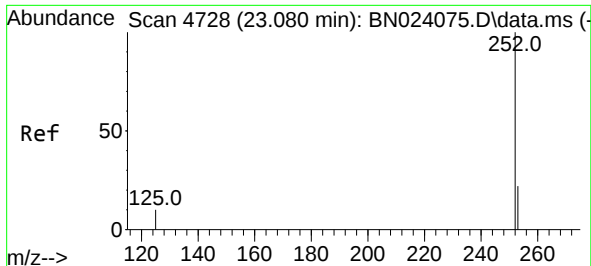
Tgt Ion:228 Resp: 1701
Ion Ratio Lower Upper
228 100
229 22.7 15.8 23.8
226 31.1 22.0 33.0



#22
Chrysene
Concen: 0.064 ng/ul
RT: 21.464 min Scan# 4175
Delta R.T. -0.003 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Tgt Ion:228 Resp: 1983
Ion Ratio Lower Upper
228 100
226 33.1 24.2 36.2
229 22.3 15.5 23.3

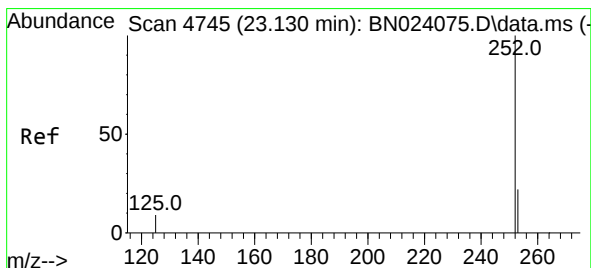
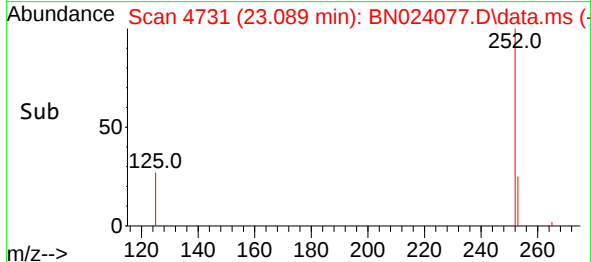
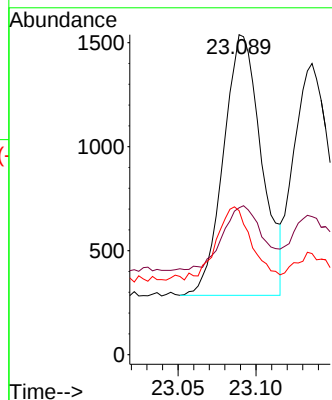
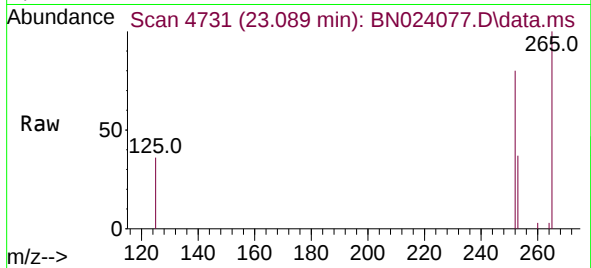




#24
Benzo(b)fluoranthene
Concen: 0.072 ng/ul
RT: 23.089 min Scan# 4711
Delta R.T. -0.003 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

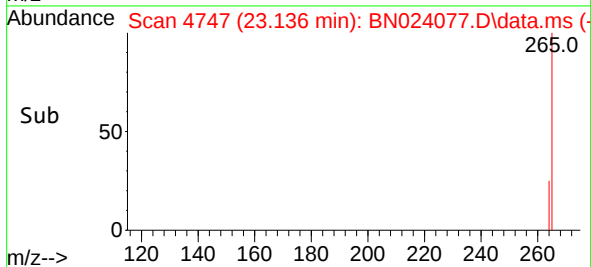
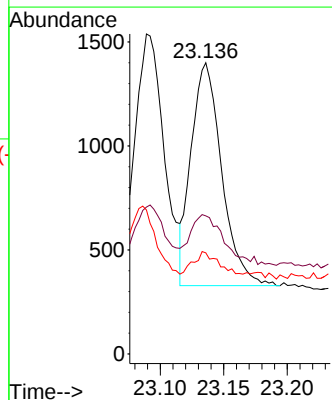
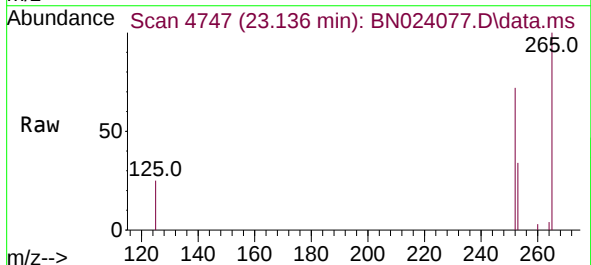
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-01

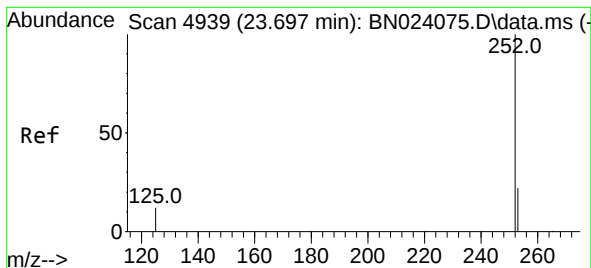
Tgt Ion:252 Resp: 2126
Ion Ratio Lower Upper
252 100
253 45.9 0.0 51.8
125 45.0 0.0 23.6#



#25
Benzo(k)fluoranthene
Concen: 0.062 ng/ul
RT: 23.136 min Scan# 4747
Delta R.T. -0.003 min
Lab File: BN024077.D
Acq: 21 Feb 2023 11:19

Tgt Ion:252 Resp: 1799
Ion Ratio Lower Upper
252 100
253 47.4 20.2 30.2#
125 34.7 9.0 13.4#





#26

Benzo(a)pyrene

Concen: 0.073 ng/ul

RT: 23.715 min Scan# 4939

Delta R.T. 0.009 min

Lab File: BN024077.D

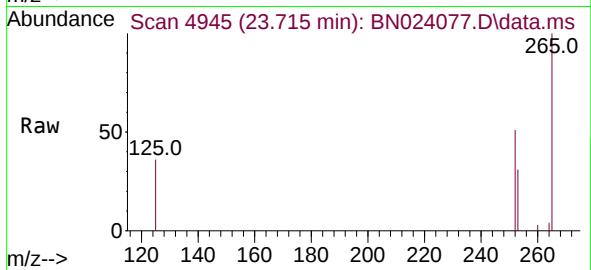
Acq: 21 Feb 2023 11:19

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2023-01



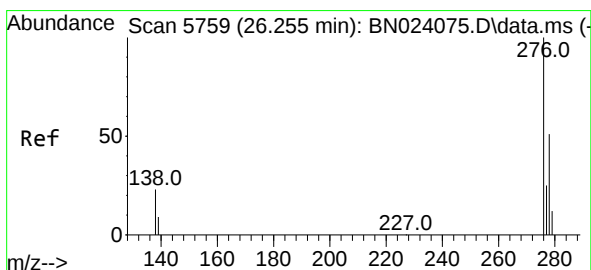
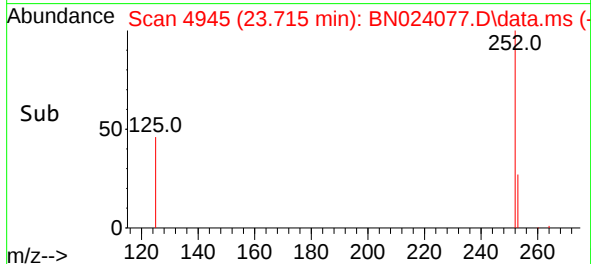
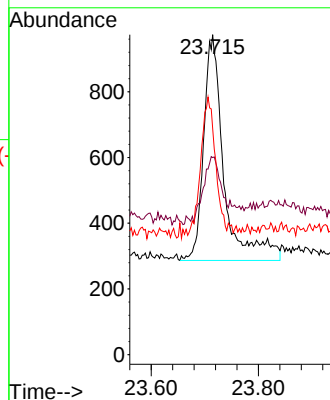
Tgt Ion:252 Resp: 1802

Ion Ratio Lower Upper

252 100

253 61.6 21.5 32.3#

125 70.6 11.2 16.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.063 ng/ul

RT: 26.295 min Scan# 5771

Delta R.T. 0.003 min

Lab File: BN024077.D

Acq: 21 Feb 2023 11:19

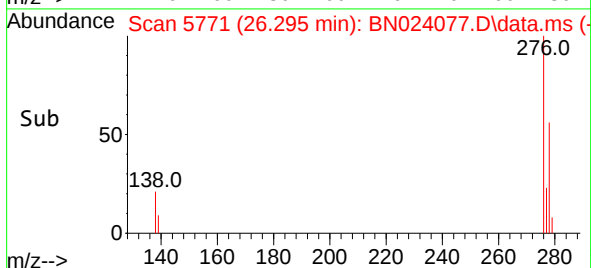
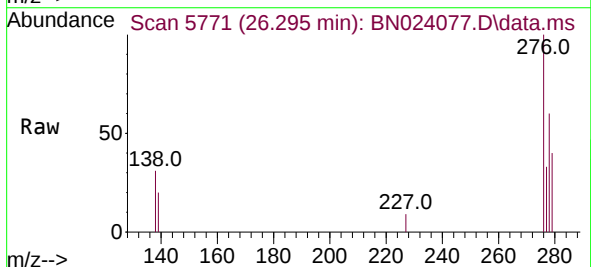
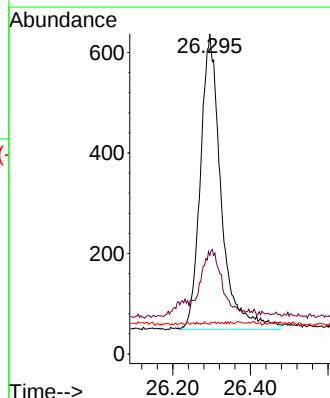
Tgt Ion:276 Resp: 2171

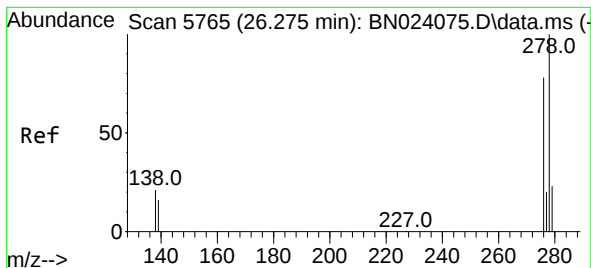
Ion Ratio Lower Upper

276 100

138 22.3 17.0 25.6

227 0.1 0.2 0.4#





#28

Dibenzo(a,h)anthracene

Concen: 0.060 ng/ul

RT: 26.312 min Scan# 51

Delta R.T. 0.003 min

Lab File: BN024077.D

Acq: 21 Feb 2023 11:19

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2023-01

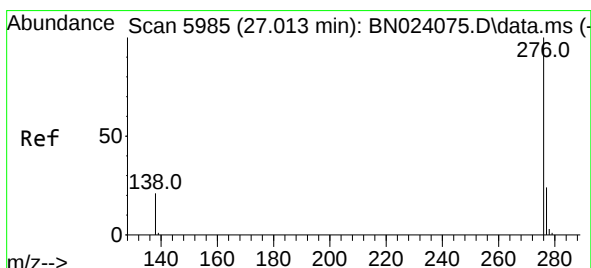
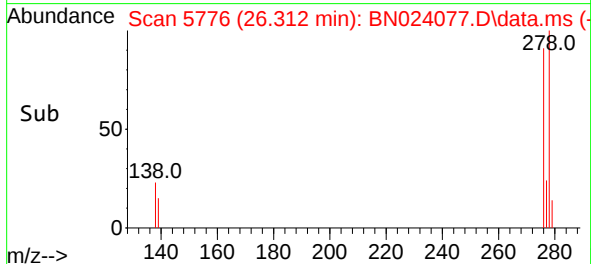
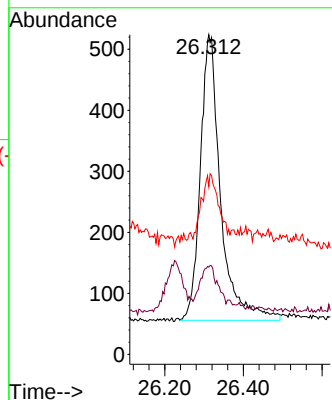
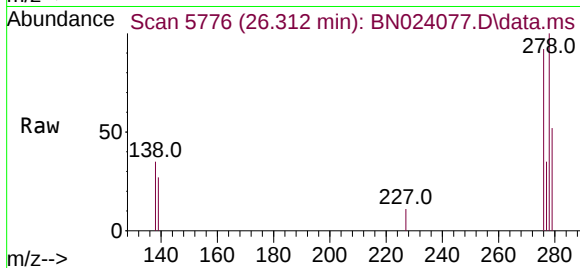
Tgt Ion:278 Resp: 1668

Ion Ratio Lower Upper

278 100

139 27.3 12.3 18.5#

279 52.5 21.4 32.0#



#29

Benzo(g,h,i)perylene

Concen: 0.065 ng/ul

RT: 27.067 min Scan# 6001

Delta R.T. 0.020 min

Lab File: BN024077.D

Acq: 21 Feb 2023 11:19

Tgt Ion:276 Resp: 1863

Ion Ratio Lower Upper

276 100

138 32.4 15.3 22.9#

277 34.7 19.9 29.9#

