Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032525\
Data File : BN036717.D
Acq On : 25 Mar 2025 11:14
Operator : RC/JU
Sample : Q1546-01
Misc : MDL-WATER-QT1-2025
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Quant Time: Mar 25 11:57:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN032425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 24 17:31:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.707	152	1877	0.400	ng/ul	0.00
4) Naphthalene-d8	10.500	136	4163	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.352	164	2686	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.103	188	5559	0.400	ng/ul	0.00
17) Chrysene-d12	21.292	240	4613	0.400	ng/ul	0.00
23) Perylene-d12	23.537	264	4585	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.197	96	1061	0.470	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.106	152	1774	0.303	ng/ul	0.02
18) Fluoranthene-d10	19.127	212	5427	0.359	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.231	88	176m	0.072	ng/ul	
5) Naphthalene	10.550	128	878	0.070	ng/ul#	77
7) 2-Methylnaphthalene	12.178	142	518	0.066	ng/ul	100
8) 1-Methylnaphthalene	12.392	142	559	0.065	ng/ul	99
10) Acenaphthylene	14.075	152	864	0.066	ng/ul#	82
11) Acenaphthene	14.417	153	727	0.069	ng/ul	95
12) Fluorene	15.416	166	732	0.062	ng/ul#	95
14) Pentachlorophenol	16.765	266	128	0.069	ng/ul	94
15) Phenanthrene	17.145	178	1250	0.066	ng/ul#	87
16) Anthracene	17.242	178	952	0.059	ng/ul#	83
19) Fluoranthene	19.159	202	1570	0.073	ng/ul#	89
20) Pyrene	19.522	202	1628	0.073	ng/ul#	92
21) Benzo(a)anthracene	21.275	228	1201	0.069	ng/ul	92
22) Chrysene	21.328	228	1582	0.079	ng/ul	94
24) Benzo(b)fluoranthene	22.862	252	1427	0.078	ng/ul#	22
25) Benzo(k)fluoranthene	22.909	252	1541	0.075	ng/ul#	58
26) Benzo(a)pyrene	23.441	252	1290m	0.077	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.816	276	1462	0.078	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.840	278	1053	0.074	ng/ul#	44
29) Benzo(g,h,i)perylene	26.514	276	1194	0.077	ng/ul#	81

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032525\
Data File : BN036717.D
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Misc : MDL-WATER-QT1-2025
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Instrument :
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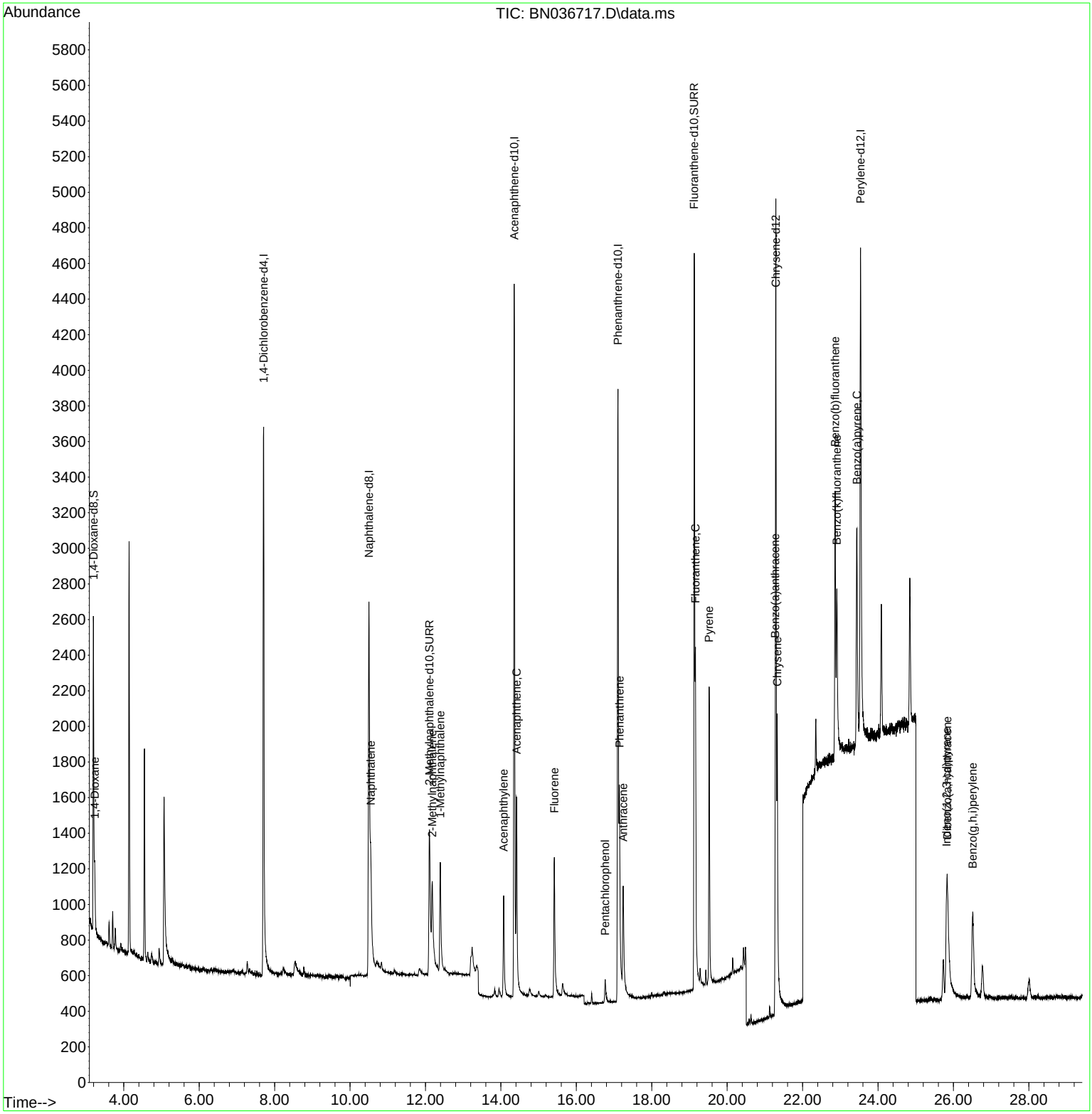
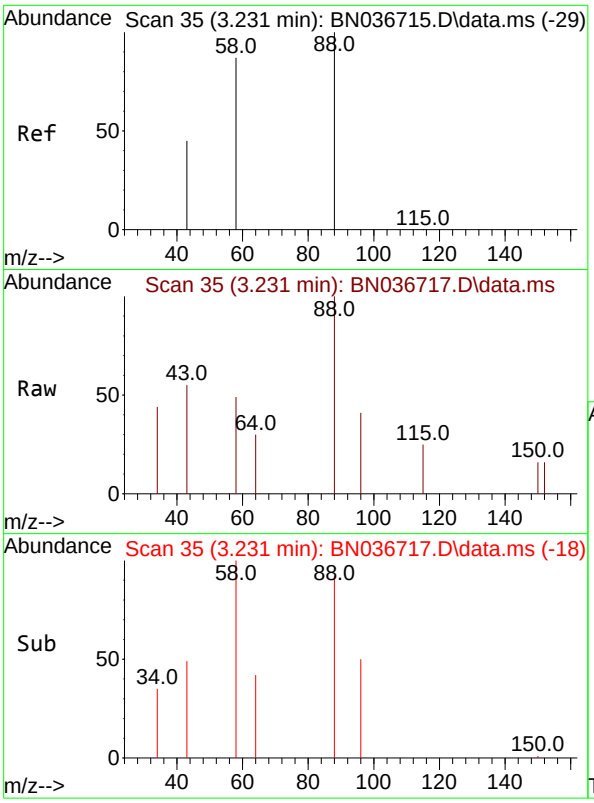
Quant Time: Mar 25 11:57:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN032425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 24 17:31:03 2025
Response via : Initial Calibration



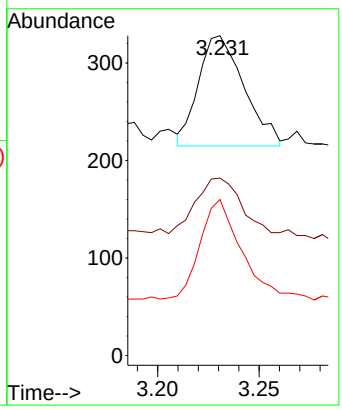


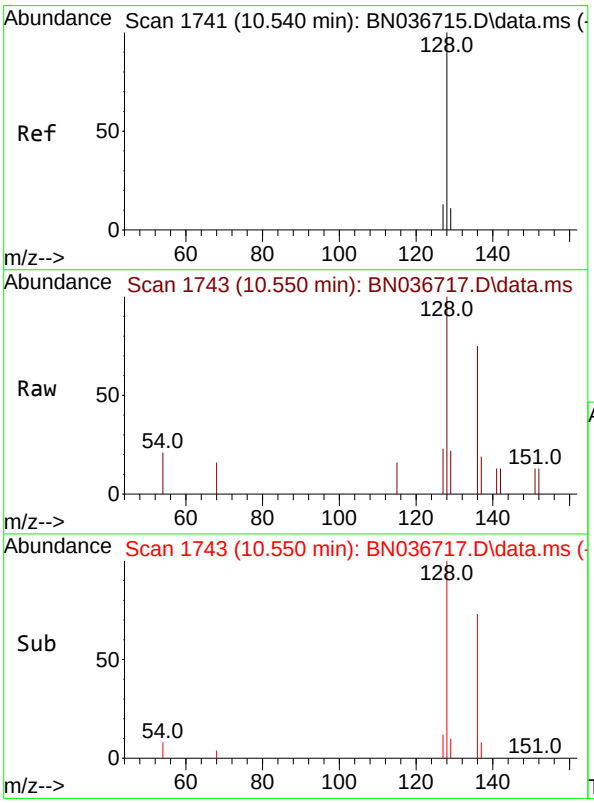
#2
1,4-Dioxane
Concen: 0.072 ng/ul m
RT: 3.231 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion: 88 Resp: 176

Ion	Ratio	Lower	Upper
88	100		
43	55.5	39.4	59.0
58	48.8	56.9	85.3#

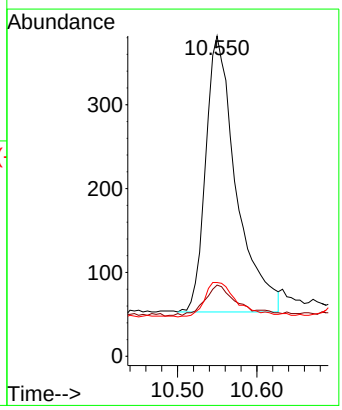


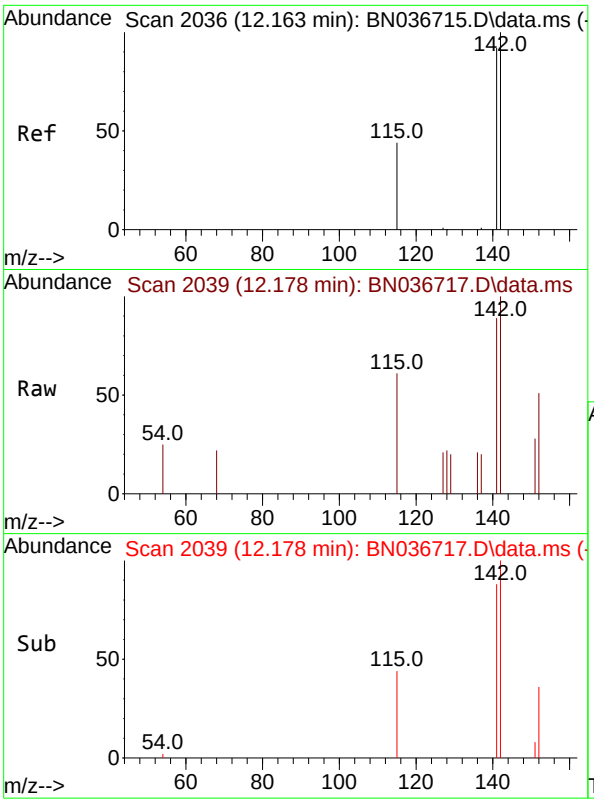


#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.550 min Scan# 1743
Delta R.T. 0.005 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:128 Resp: 878

Ion	Ratio	Lower	Upper
128	100		
129	22.3	9.8	14.6#
127	23.0	11.8	17.8#



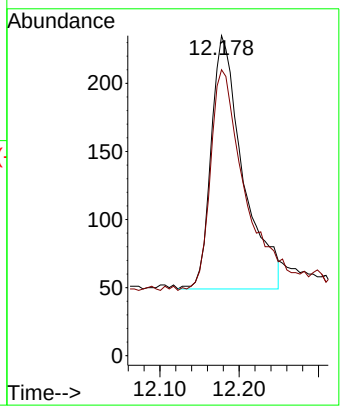


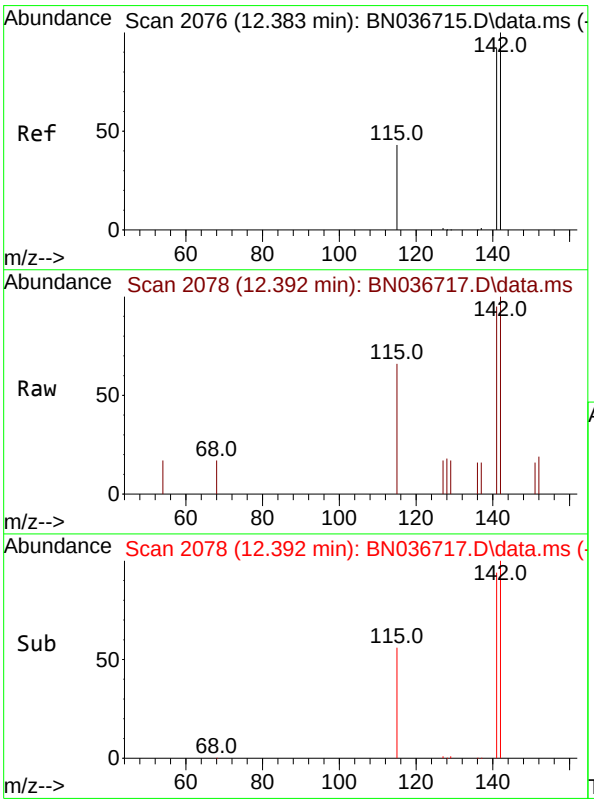
#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.178 min Scan# 2
Delta R.T. 0.011 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:142 Resp: 518

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.2	109.8

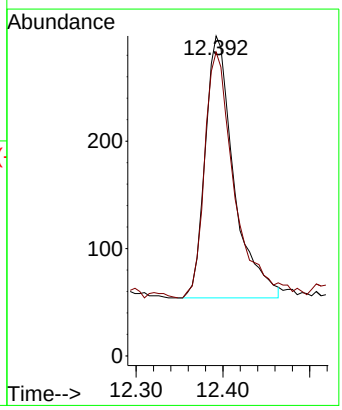


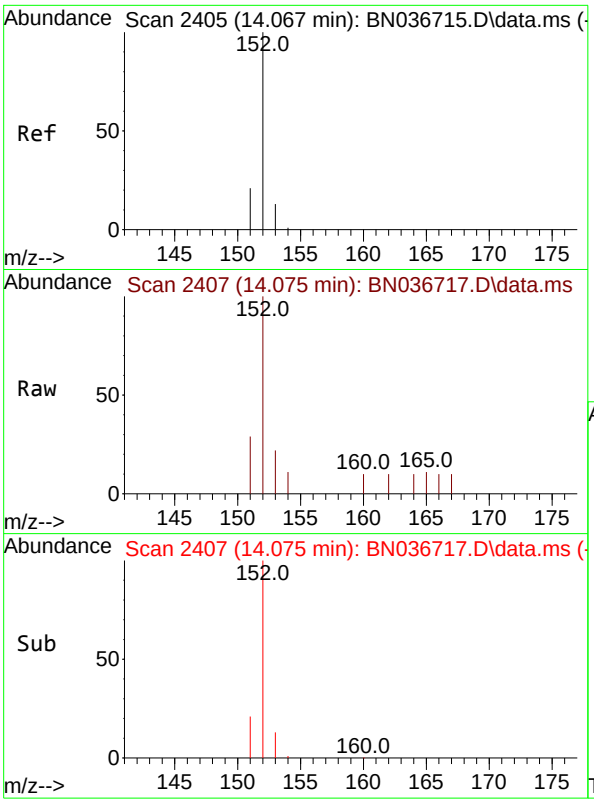


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.392 min Scan# 2078
Delta R.T. 0.011 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:142 Resp: 559

Ion	Ratio	Lower	Upper
142	100		
141	95.3	75.3	112.9



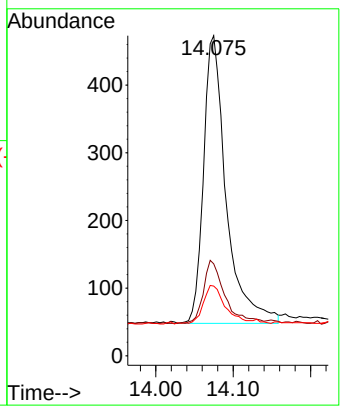


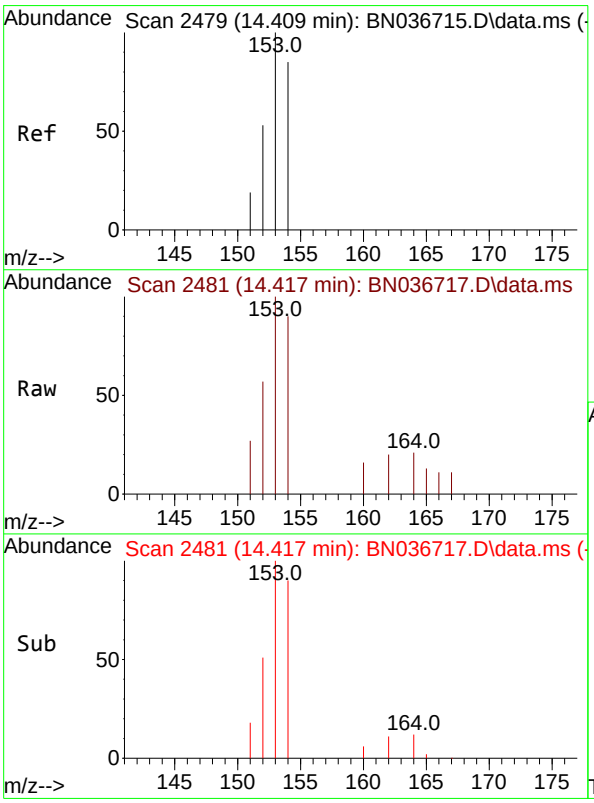
#10
Acenaphthylene
Concen: 0.066 ng/ul
RT: 14.075 min Scan# 24
Delta R.T. 0.005 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:152 Resp: 864

Ion	Ratio	Lower	Upper
152	100		
151	28.8	16.6	25.0#
153	21.8	11.4	17.2#

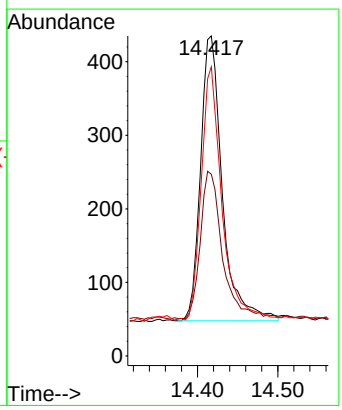


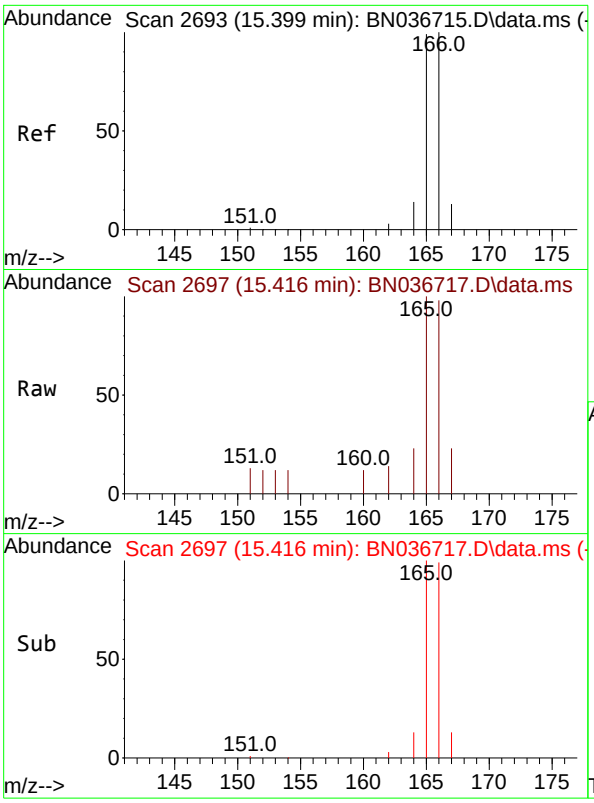


#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.417 min Scan# 2481
Delta R.T. 0.005 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:153 Resp: 727

Ion	Ratio	Lower	Upper
153	100		
152	56.8	42.6	64.0
154	90.3	68.2	102.4



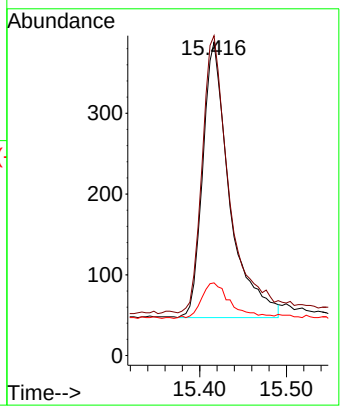


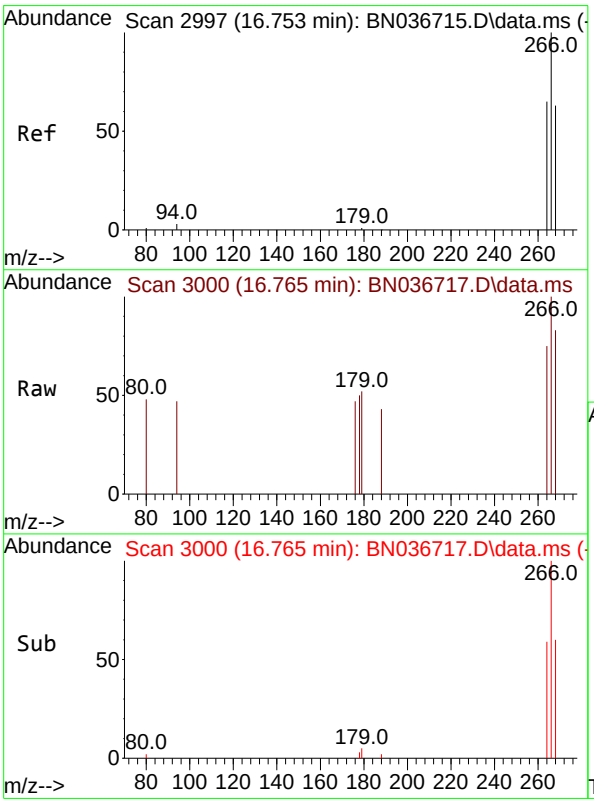
#12
Fluorene
Concen: 0.062 ng/ul
RT: 15.416 min Scan# 2
Delta R.T. 0.014 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:166 Resp: 732

Ion	Ratio	Lower	Upper
166	100		
165	102.1	79.8	119.6
167	23.2	11.9	17.9#

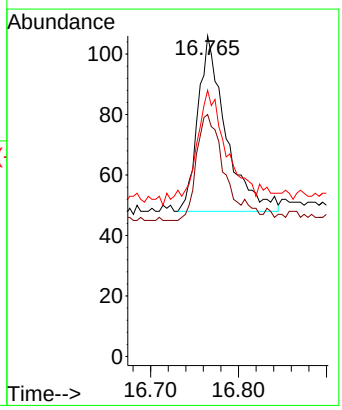


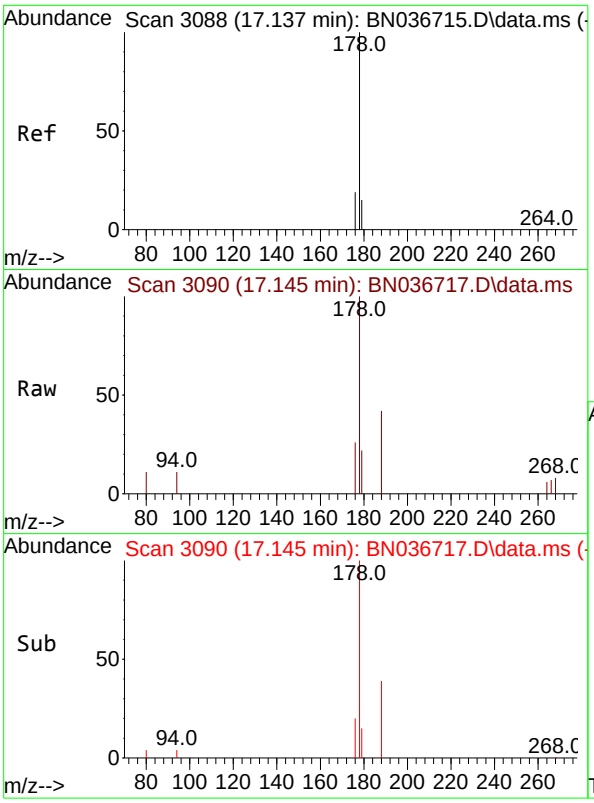


#14
Pentachlorophenol
Concen: 0.069 ng/ul
RT: 16.765 min Scan# 3000
Delta R.T. 0.008 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:266 Resp: 128

Ion	Ratio	Lower	Upper
266	100		
264	60.9	50.6	76.0
268	72.7	52.0	78.0



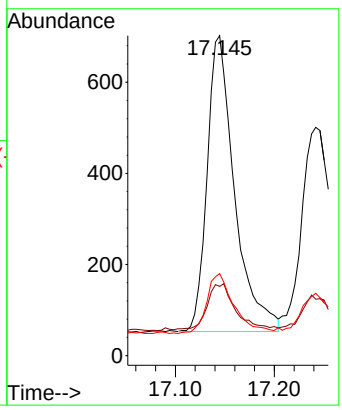


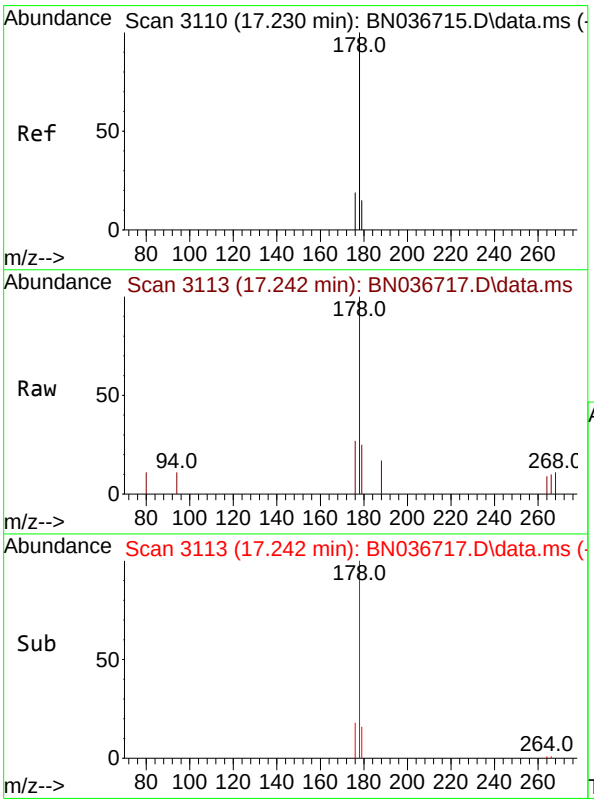
#15
Phenanthrene
Concen: 0.066 ng/ul
RT: 17.145 min Scan# 3
Delta R.T. 0.008 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:178 Resp: 1250

Ion	Ratio	Lower	Upper
178	100		
179	21.7	12.6	19.0#
176	25.6	16.1	24.1#

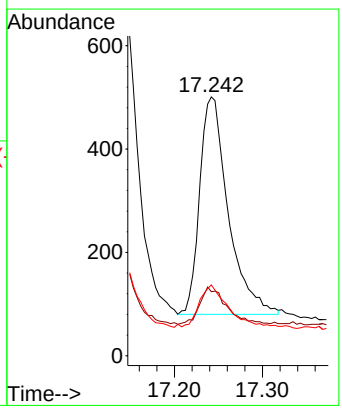


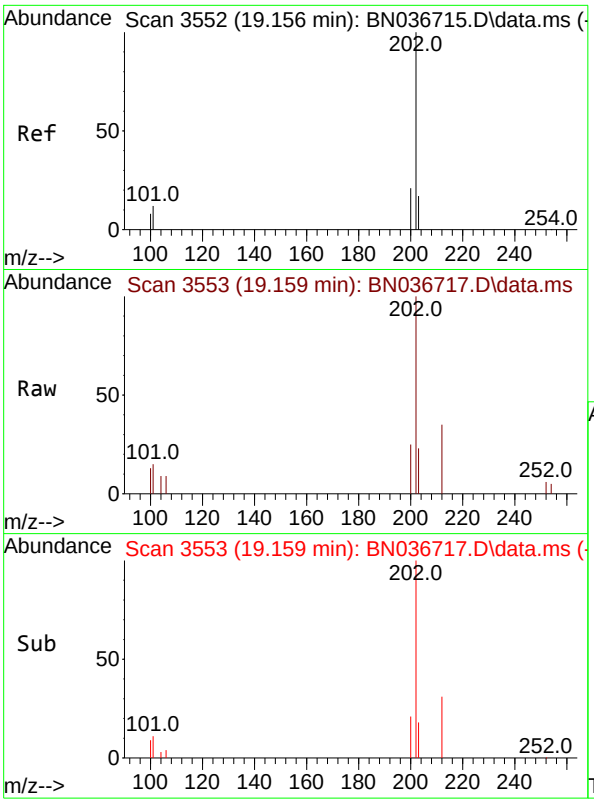


#16
Anthracene
Concen: 0.059 ng/ul
RT: 17.242 min Scan# 3113
Delta R.T. 0.008 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:178 Resp: 952

Ion	Ratio	Lower	Upper
178	100		
179	24.8	13.4	20.0#
176	27.3	15.9	23.9#



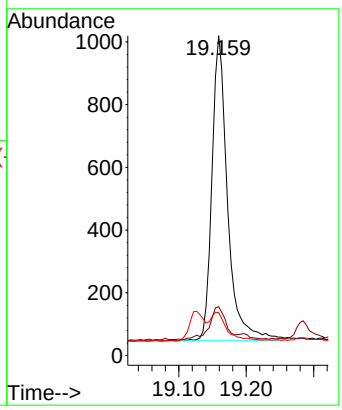


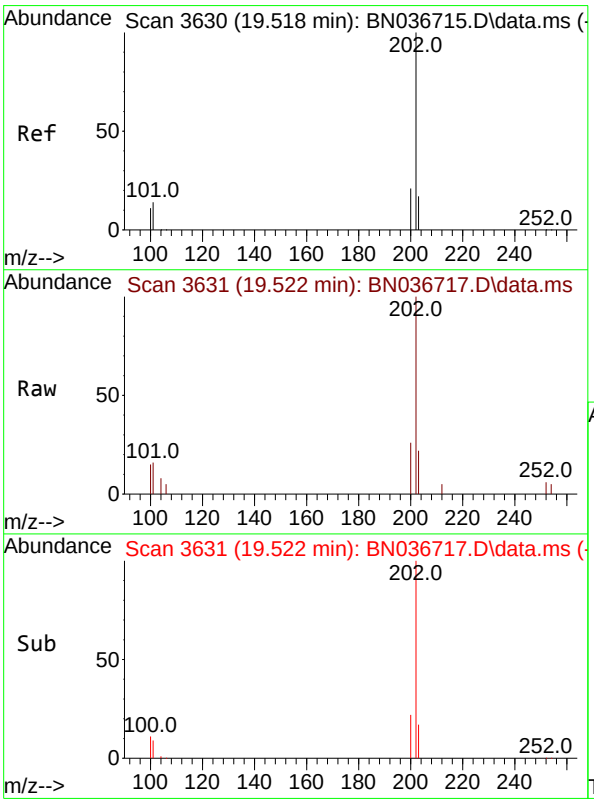
#19
Fluoranthene
Concen: 0.073 ng/ul
RT: 19.159 min Scan# 3
Delta R.T. -0.001 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:202 Resp: 1570

Ion	Ratio	Lower	Upper
202	100		
101	15.3	9.0	13.6#
100	13.4	7.2	10.8#

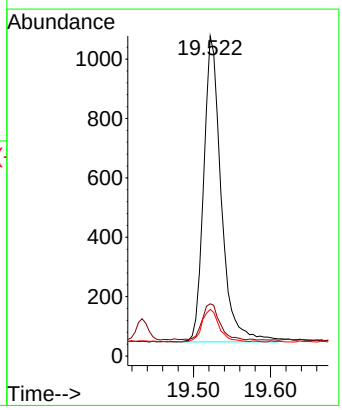


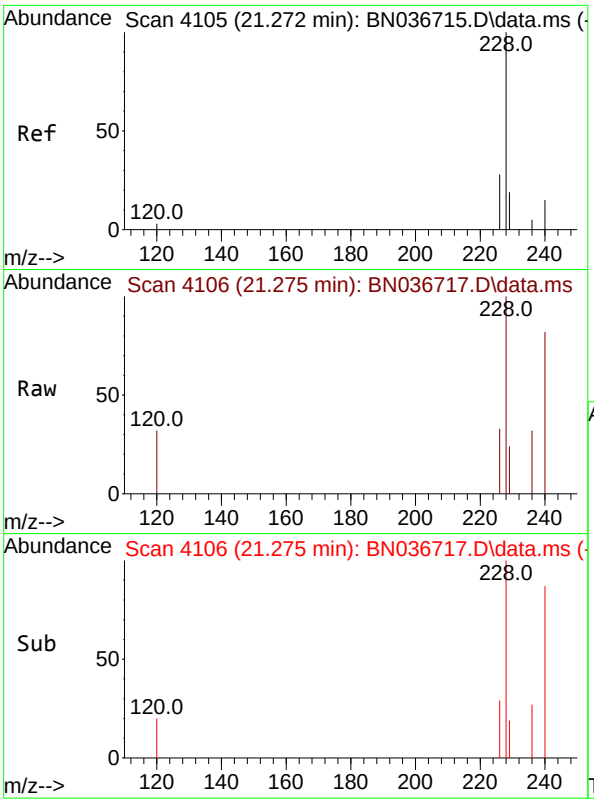


#20
Pyrene
Concen: 0.073 ng/ul
RT: 19.522 min Scan# 3631
Delta R.T. -0.001 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:202 Resp: 1628

Ion	Ratio	Lower	Upper
202	100		
101	16.3	10.6	16.0#
100	14.6	9.3	13.9#





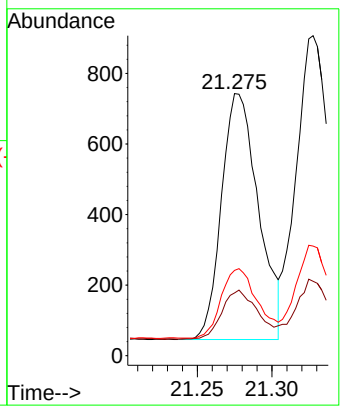
#21
Benzo(a)anthracene
Concen: 0.069 ng/ul
RT: 21.275 min Scan# 4

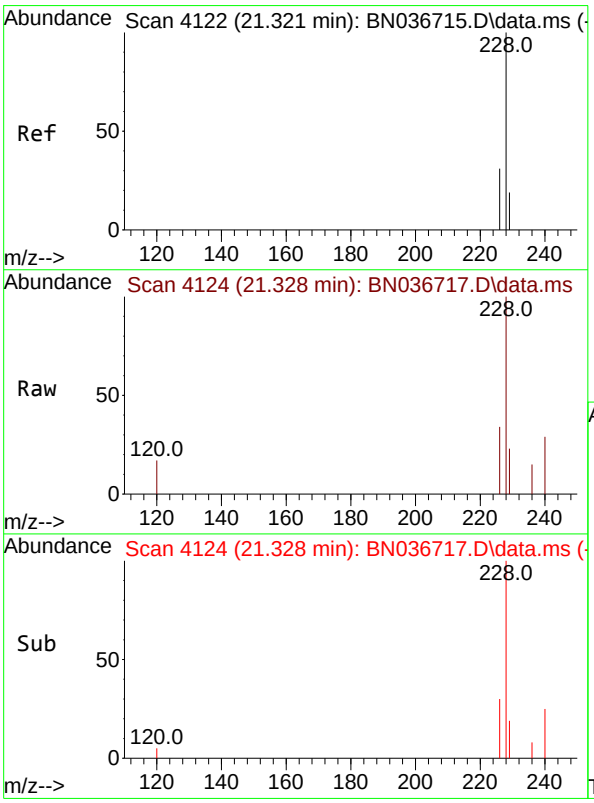
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Delta R.T. 0.002 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:228 Resp: 1201

Ion	Ratio	Lower	Upper
228	100		
229	24.0	16.0	24.0
226	32.6	22.7	34.1

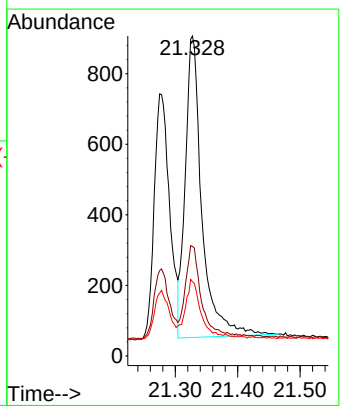


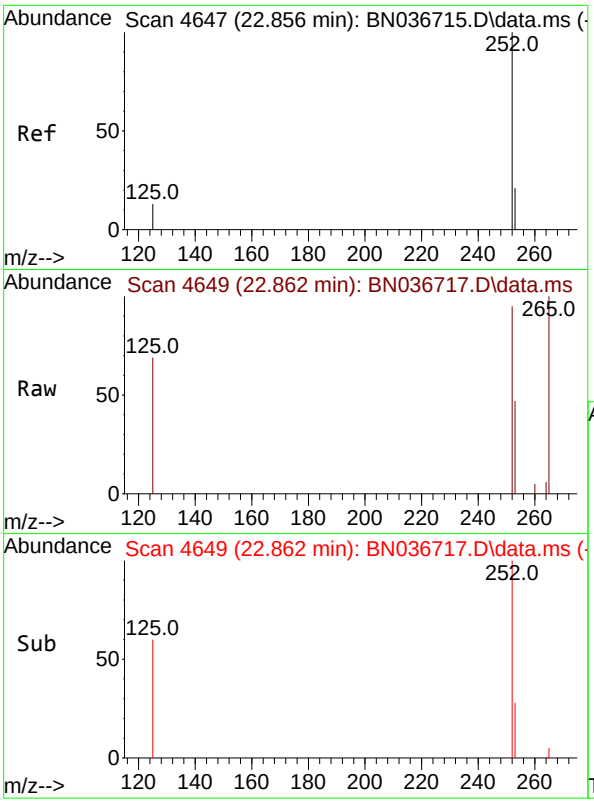


#22
Chrysene
Concen: 0.079 ng/ul
RT: 21.328 min Scan# 4124
Delta R.T. 0.002 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:228 Resp: 1582

Ion	Ratio	Lower	Upper
228	100		
226	34.3	25.0	37.6
229	23.3	15.7	23.5



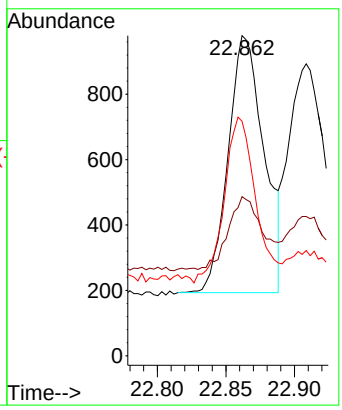


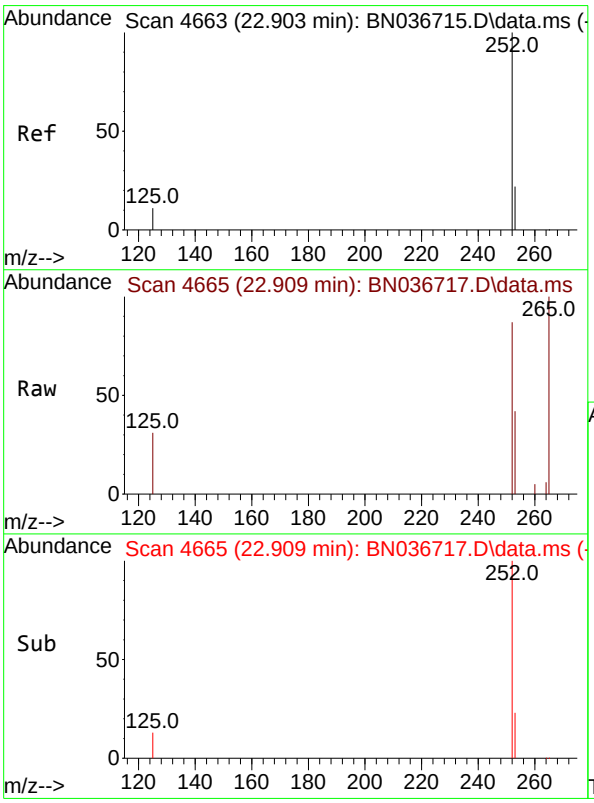
#24
Benzo(b)fluoranthene
Concen: 0.078 ng/ul
RT: 22.862 min Scan# 4
Delta R.T. 0.002 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:252 Resp: 1427

Ion	Ratio	Lower	Upper
252	100		
253	49.7	0.0	52.6
125	73.2	0.0	35.8#

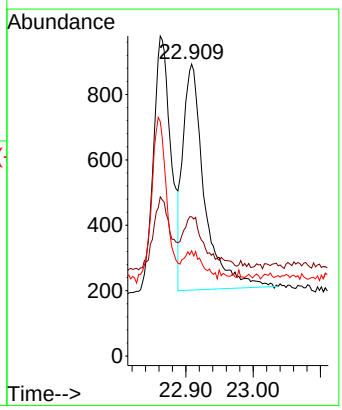


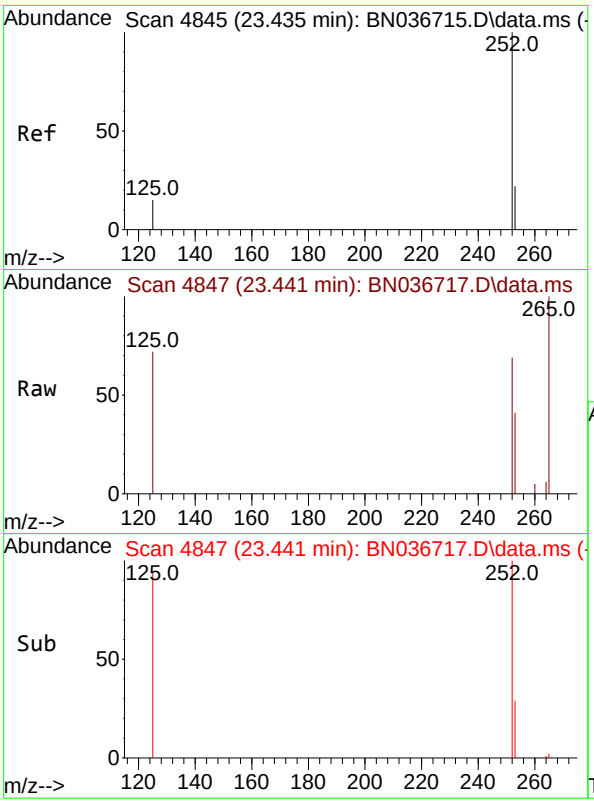


#25
Benzo(k)fluoranthene
Concen: 0.075 ng/ul
RT: 22.909 min Scan# 4665
Delta R.T. 0.005 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:252 Resp: 1541

Ion	Ratio	Lower	Upper
252	100		
253	47.7	21.4	32.0#
125	36.1	13.7	20.5#



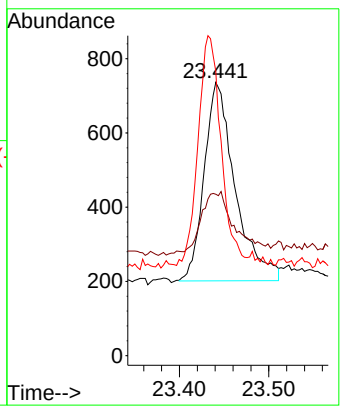


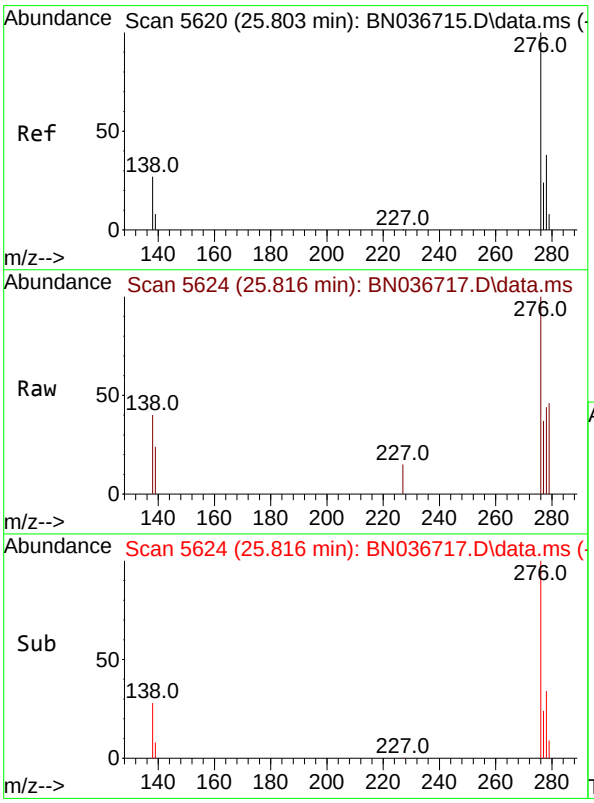
#26
Benzo(a)pyrene
Concen: 0.077 ng/ul m
RT: 23.441 min Scan# 4
Delta R.T. 0.002 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:252 Resp: 1290

Ion	Ratio	Lower	Upper
252	100		
253	59.1	24.2	36.2#
125	104.1	18.2	27.4#

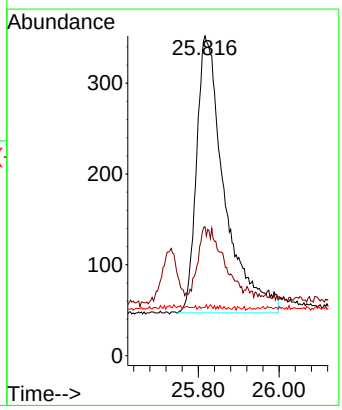


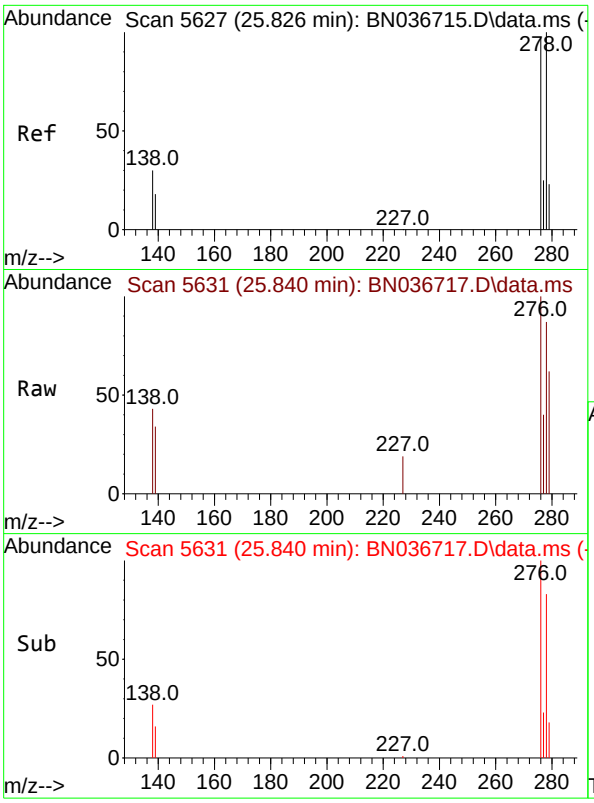


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.078 ng/ul
RT: 25.816 min Scan# 5624
Delta R.T. 0.006 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:276 Resp: 1462

Ion	Ratio	Lower	Upper
276	100		
138	26.7	23.2	34.8
227	0.1	0.1	0.1#



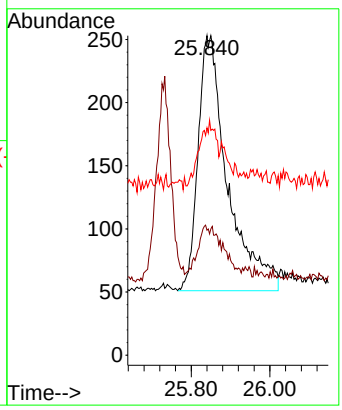


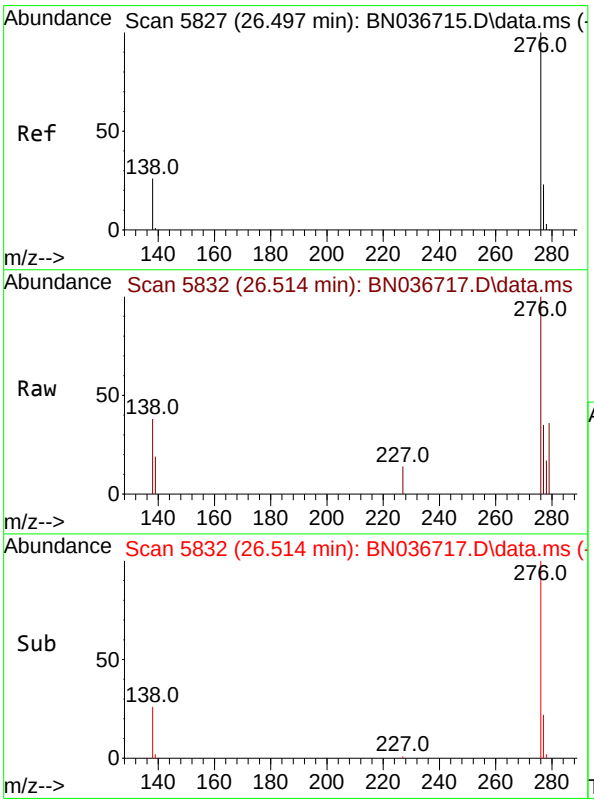
#28
Dibenzo(a,h)anthracene
Concen: 0.074 ng/ul
RT: 25.840 min Scan# 5
Delta R.T. 0.006 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion:278 Resp: 1053

Ion	Ratio	Lower	Upper
278	100		
139	39.1	17.7	26.5#
279	71.1	25.4	38.2#





#29
Benzo(g,h,i)perylene
Concen: 0.077 ng/ul
RT: 26.514 min Scan# 5832
Delta R.T. 0.013 min
Lab File: BN036717.D
Acq: 25 Mar 2025 11:14

Tgt Ion:276 Resp: 1194

Ion	Ratio	Lower	Upper
276	100		
138	38.0	22.2	33.2#
277	35.1	20.6	31.0#