Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032525\
Data File : BN036718.D
Acq On : 25 Mar 2025 11:50
Operator : RC/JU
Sample : Q1546-03
Misc : MDL-SOIL-QT1-2025
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 25 12:54:58 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	2242	0.400	ng/ul	0.00
4) Naphthalene-d8	10.502	136	5081	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.354	164	3200	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.103	188	6574	0.400	ng/ul	0.00
17) Chrysene-d12	21.289	240	5422	0.400	ng/ul	0.00
23) Perylene-d12	23.537	264	5268	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.197	96	1221	0.453	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.102	152	2158	0.302	ng/ul	0.01
18) Fluoranthene-d10	19.128	212	6294	0.354	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.235	88	230	0.078	ng/ul#	77
5) Naphthalene	10.551	128	1041	0.068	ng/ul#	79
7) 2-Methylnaphthalene	12.179	142	606	0.063	ng/ul	98
8) 1-Methylnaphthalene	12.393	142	694	0.067	ng/ul	100
10) Acenaphthylene	14.071	152	1023	0.065	ng/ul#	83
11) Acenaphthene	14.414	153	865	0.069	ng/ul	98
12) Fluorene	15.413	166	877	0.063	ng/ul#	96
14) Pentachlorophenol	16.761	266	142	0.065	ng/ul	98
15) Phenanthrene	17.141	178	1491	0.066	ng/ul#	90
16) Anthracene	17.243	178	1072	0.056	ng/ul#	85
19) Fluoranthene	19.160	202	1830	0.073	ng/ul#	88
20) Pyrene	19.523	202	1899	0.072	ng/ul#	93
21) Benzo(a)anthracene	21.275	228	1427m	0.069	ng/ul	
22) Chrysene	21.324	228	1787	0.076	ng/ul	95
24) Benzo(b)fluoranthene	22.861	252	1588m	0.076	ng/ul	
25) Benzo(k)fluoranthene	22.905	252	1847	0.079	ng/ul#	61
26) Benzo(a)pyrene	23.440	252	1467m	0.076	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.823	276	1654	0.077	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.840	278	1204	0.074	ng/ul#	52
29) Benzo(g,h,i)perylene	26.504	276	1412	0.079	ng/ul#	86

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032525\
Data File : BN036718.D
Acq On : 25 Mar 2025 11:50
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Misc : MDL-SOIL-QT1-2025
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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MDL-SOIL-QT1-2025-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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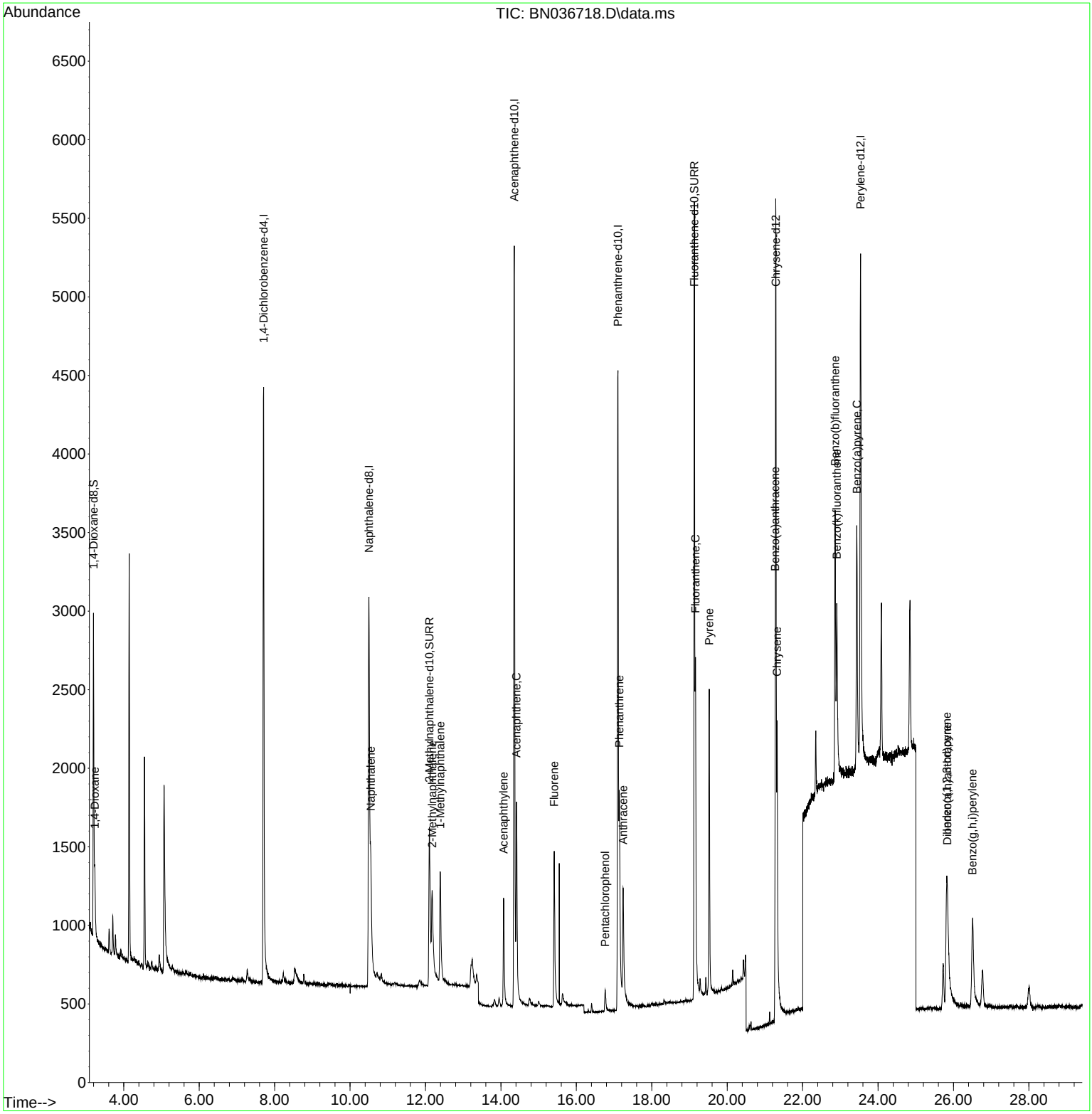
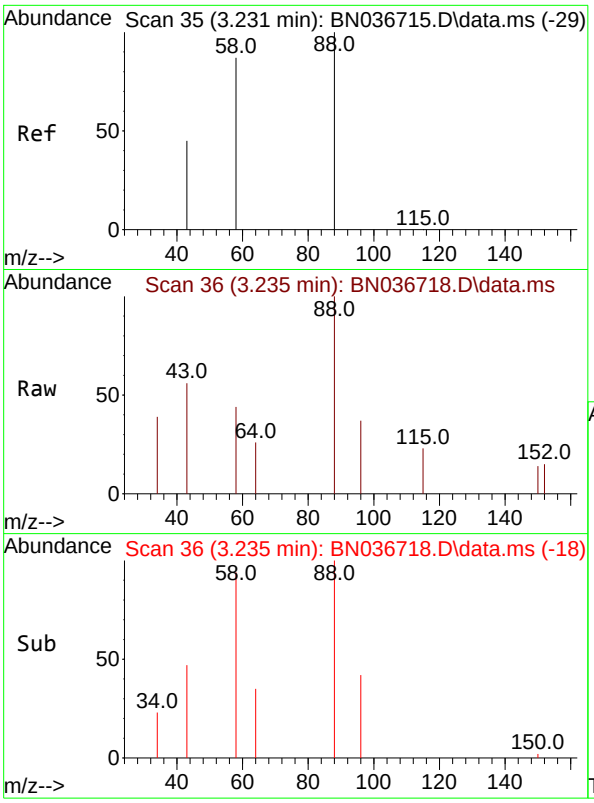


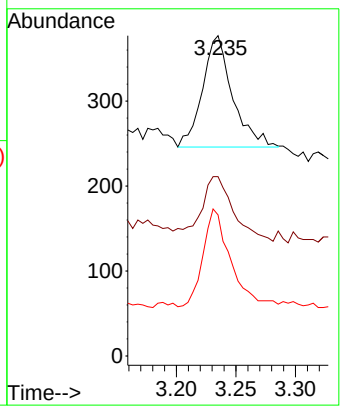


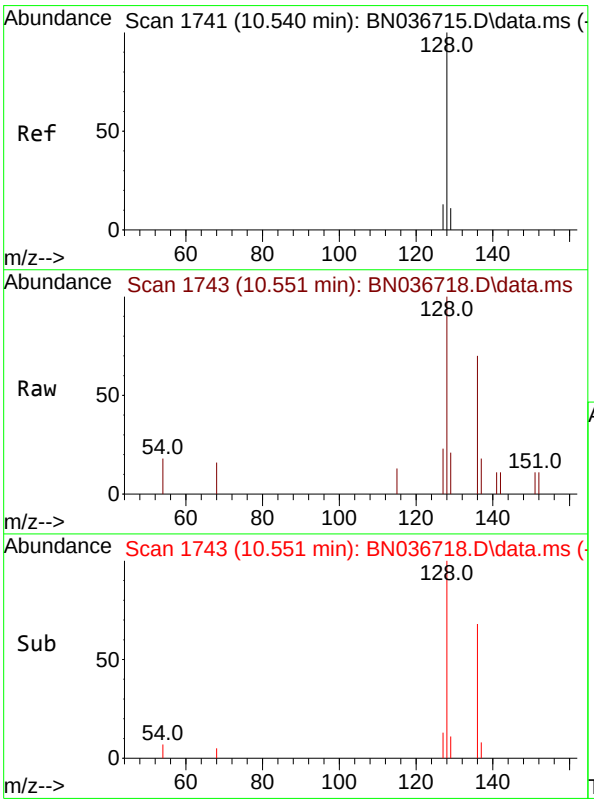
#2
1,4-Dioxane
Concen: 0.078 ng/ul
RT: 3.235 min Scan# 3
Delta R.T. 0.004 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion: 88 Resp: 230

Ion	Ratio	Lower	Upper
88	100		
43	56.0	39.4	59.0
58	44.0	56.9	85.3#

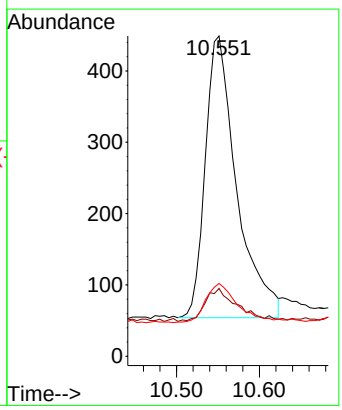


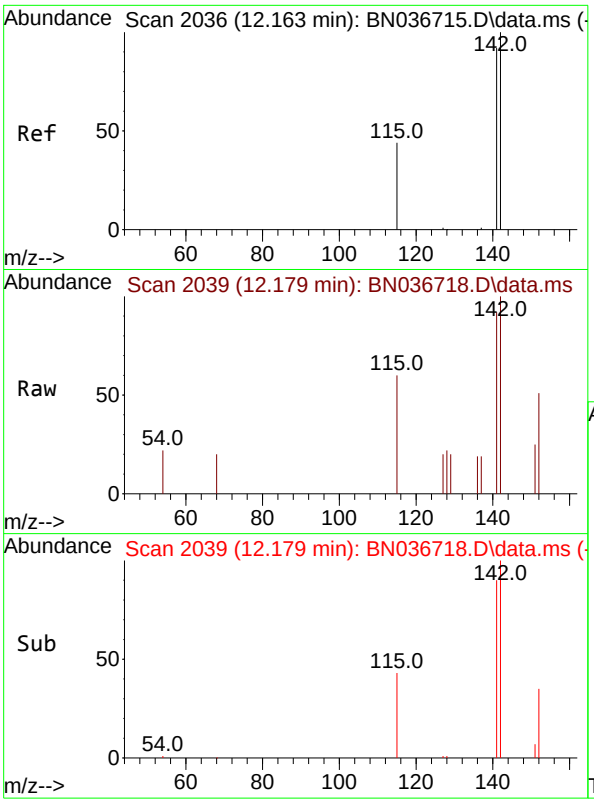


#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.551 min Scan# 1743
Delta R.T. 0.007 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:128 Resp: 1041

Ion	Ratio	Lower	Upper
128	100		
129	21.2	9.8	14.6#
127	22.7	11.8	17.8#



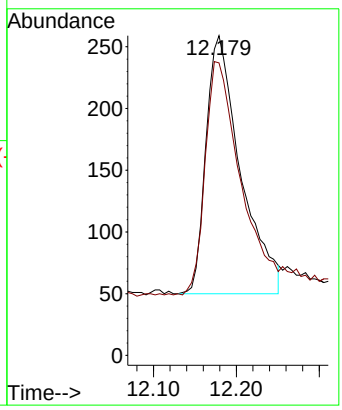


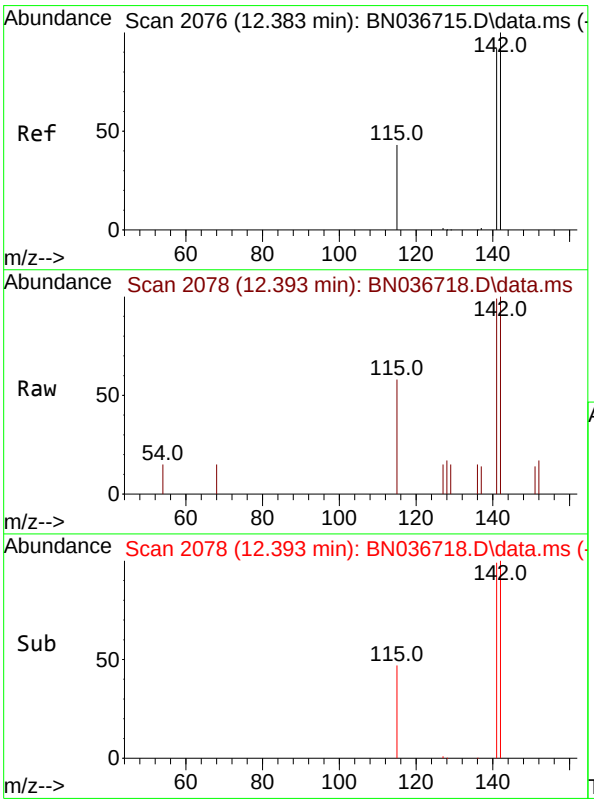
#7
2-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.179 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:142 Resp: 606

Ion	Ratio	Lower	Upper
142	100		
141	93.4	73.2	109.8

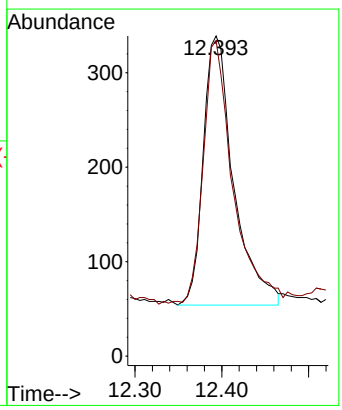


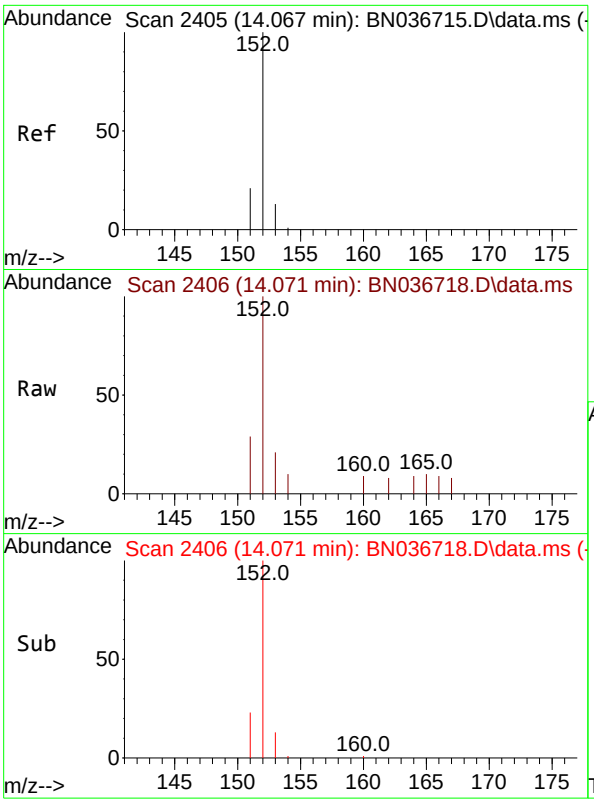


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.393 min Scan# 2078
Delta R.T. 0.012 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:142 Resp: 694

Ion	Ratio	Lower	Upper
142	100		
141	93.7	75.3	112.9



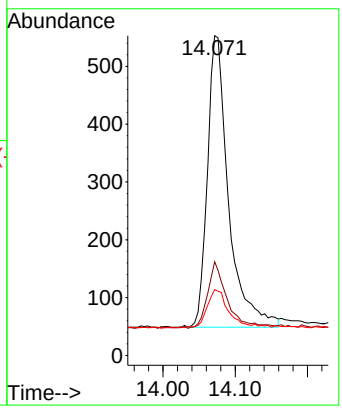


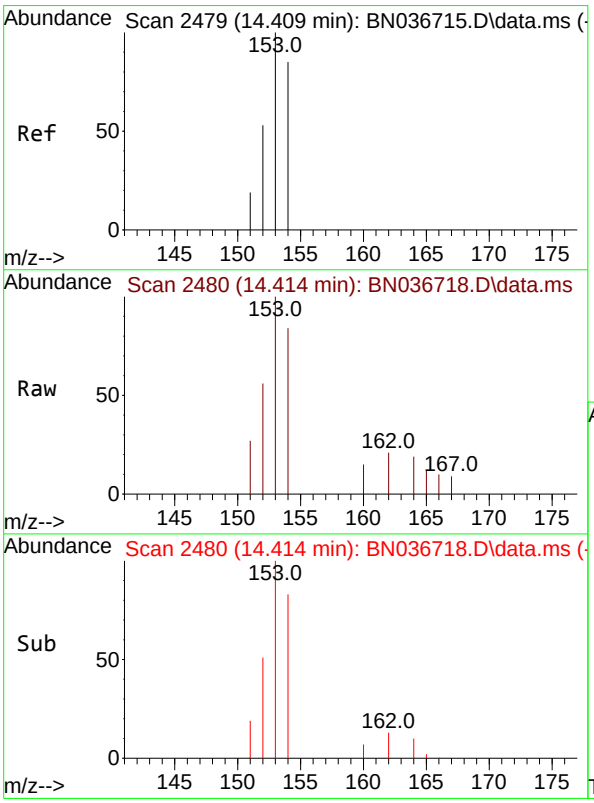
#10
Acenaphthylene
Concen: 0.065 ng/ul
RT: 14.071 min Scan# 24
Delta R.T. 0.001 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:152 Resp: 1023

Ion	Ratio	Lower	Upper
152	100		
151	29.3	16.6	25.0#
153	20.6	11.4	17.2#

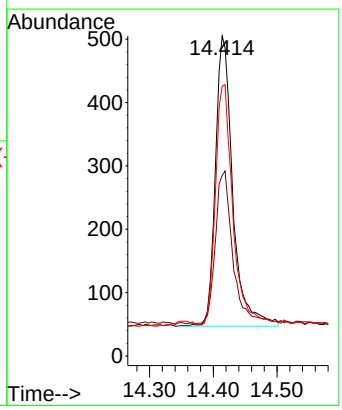


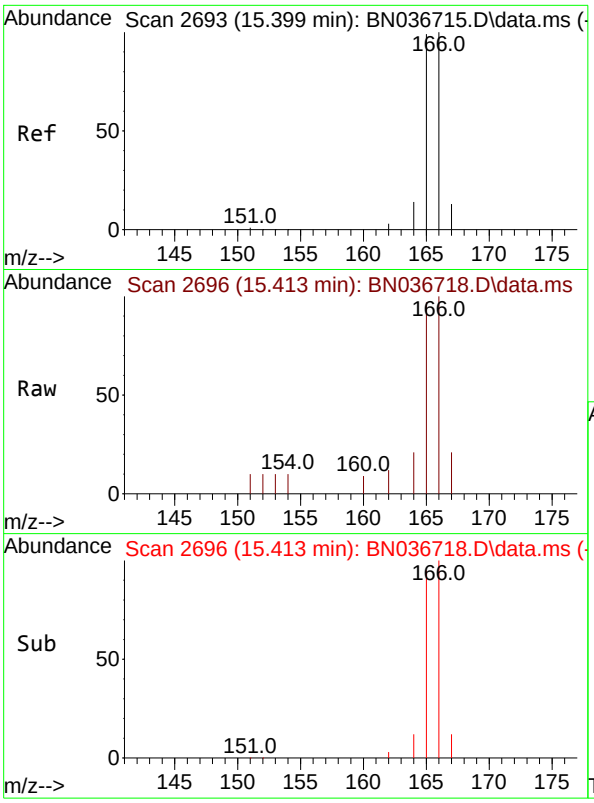


#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.414 min Scan# 2480
Delta R.T. 0.001 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:153 Resp: 865

Ion	Ratio	Lower	Upper
153	100		
152	56.4	42.6	64.0
154	84.4	68.2	102.4



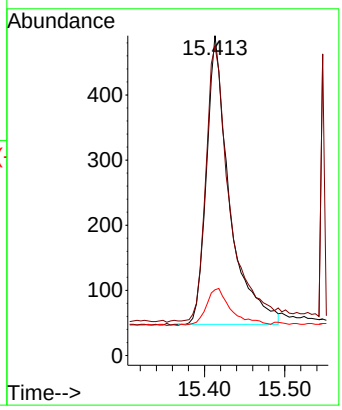


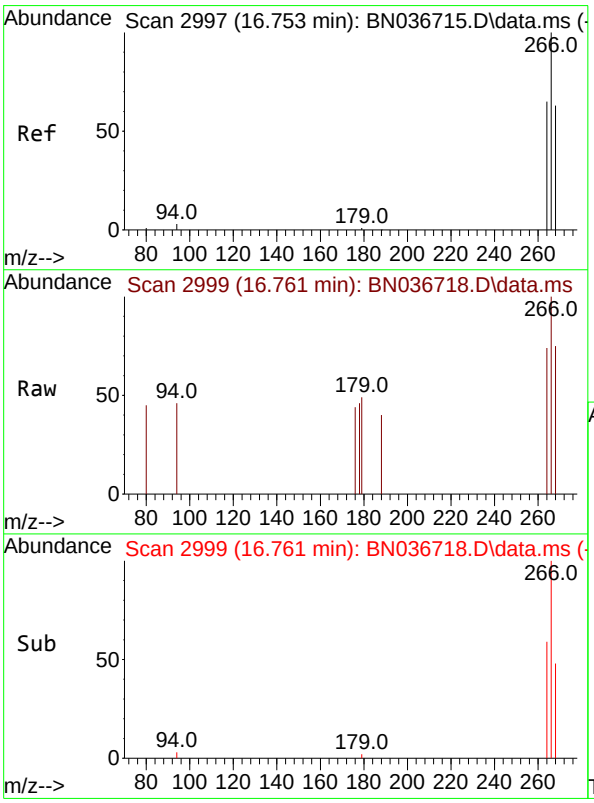
#12
Fluorene
Concen: 0.063 ng/ul
RT: 15.413 min Scan# 2
Delta R.T. 0.010 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:166 Resp: 877

Ion	Ratio	Lower	Upper
166	100		
165	96.7	79.8	119.6
167	20.6	11.9	17.9#

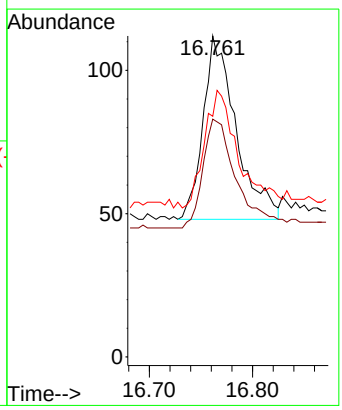


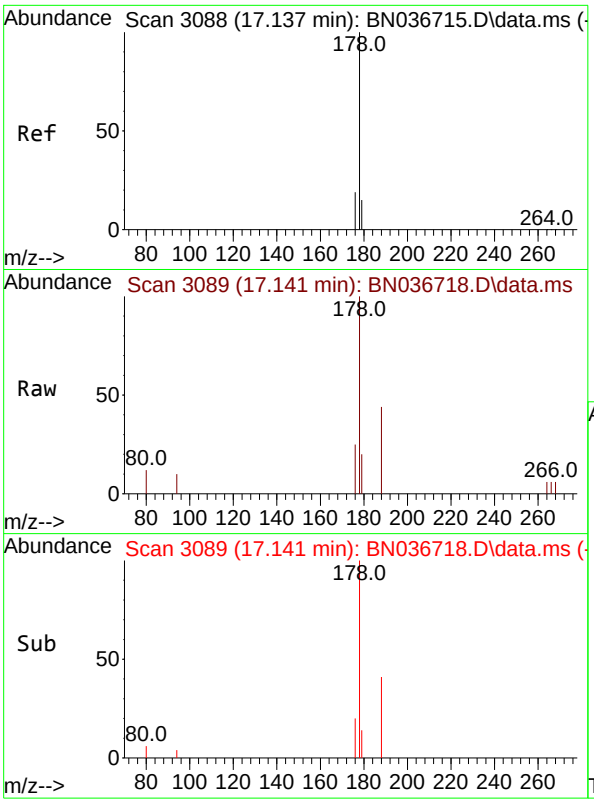


#14
Pentachlorophenol
Concen: 0.065 ng/ul
RT: 16.761 min Scan# 2999
Delta R.T. 0.005 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:266 Resp: 142

Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.6	76.0
268	66.2	52.0	78.0



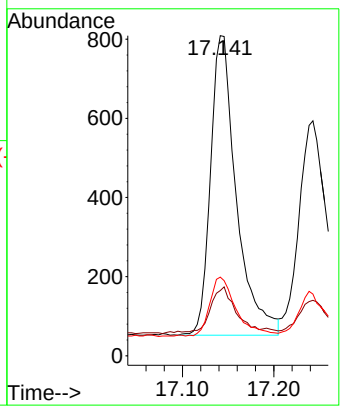


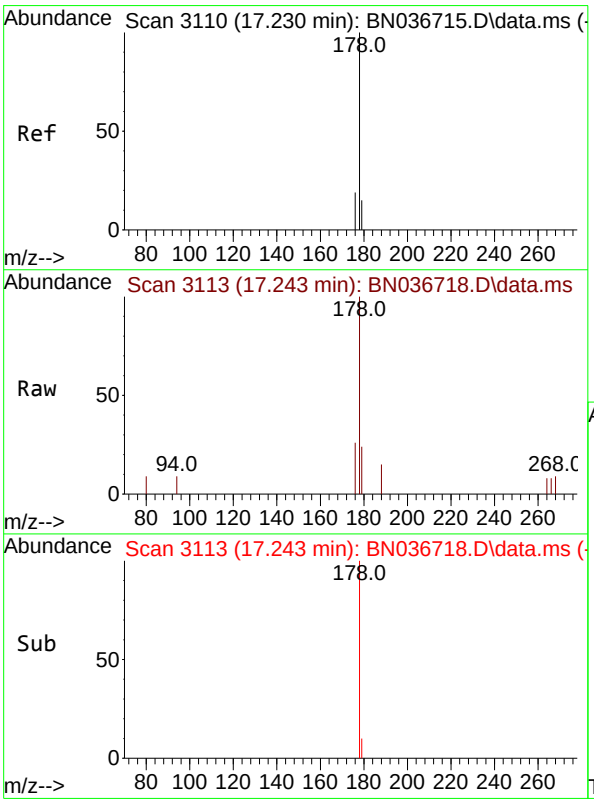
#15
Phenanthrene
Concen: 0.066 ng/ul
RT: 17.141 min Scan# 3
Delta R.T. 0.005 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:178 Resp: 1491

Ion	Ratio	Lower	Upper
178	100		
179	20.4	12.6	19.0#
176	24.6	16.1	24.1#

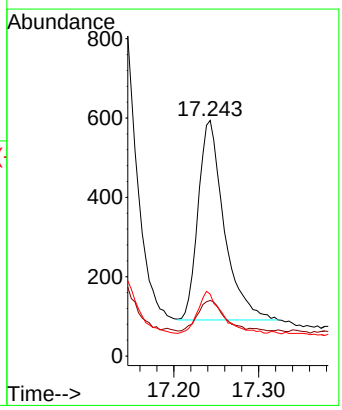


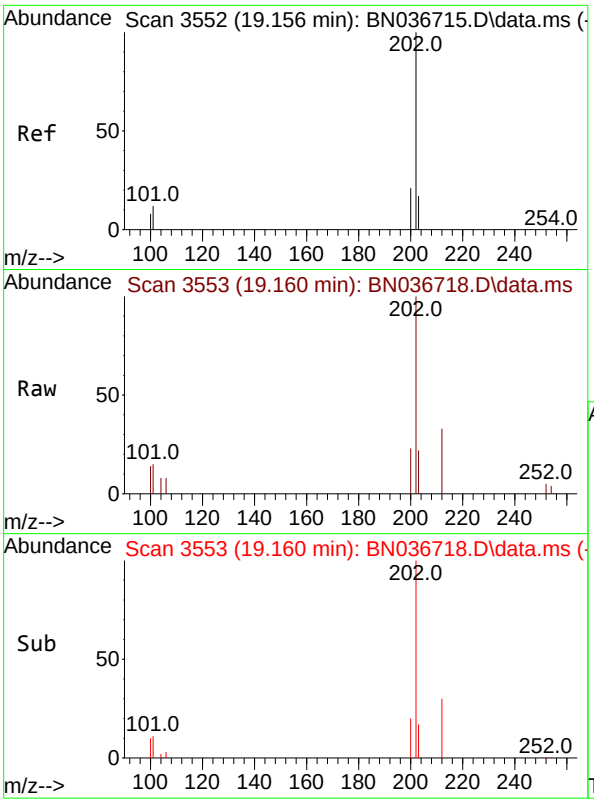


#16
Anthracene
Concen: 0.056 ng/ul
RT: 17.243 min Scan# 3113
Delta R.T. 0.009 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:178 Resp: 1072

Ion	Ratio	Lower	Upper
178	100		
179	23.6	13.4	20.0#
176	26.3	15.9	23.9#



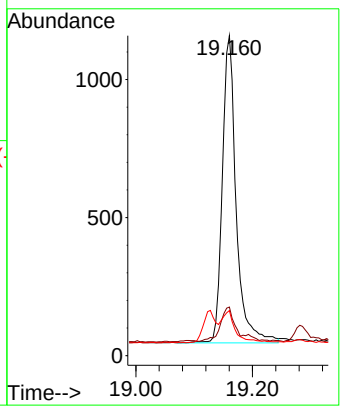


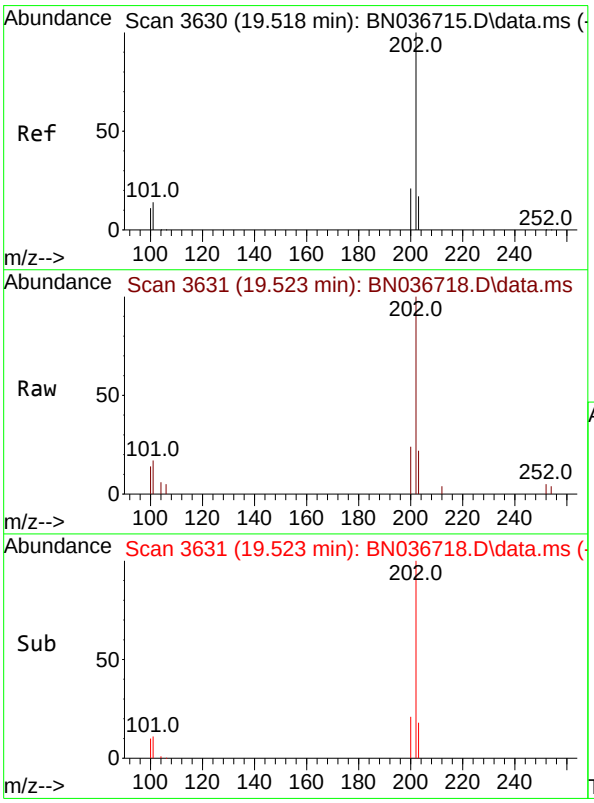
#19
Fluoranthene
Concen: 0.073 ng/ul
RT: 19.160 min Scan# 3
Delta R.T. 0.001 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:202 Resp: 1830

Ion	Ratio	Lower	Upper
202	100		
101	15.2	9.0	13.6#
100	14.1	7.2	10.8#

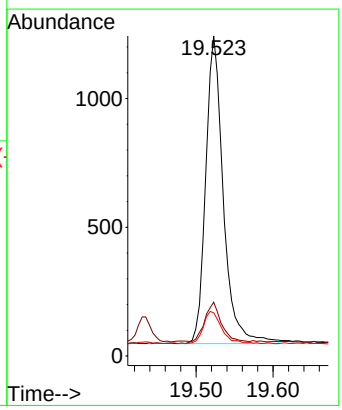


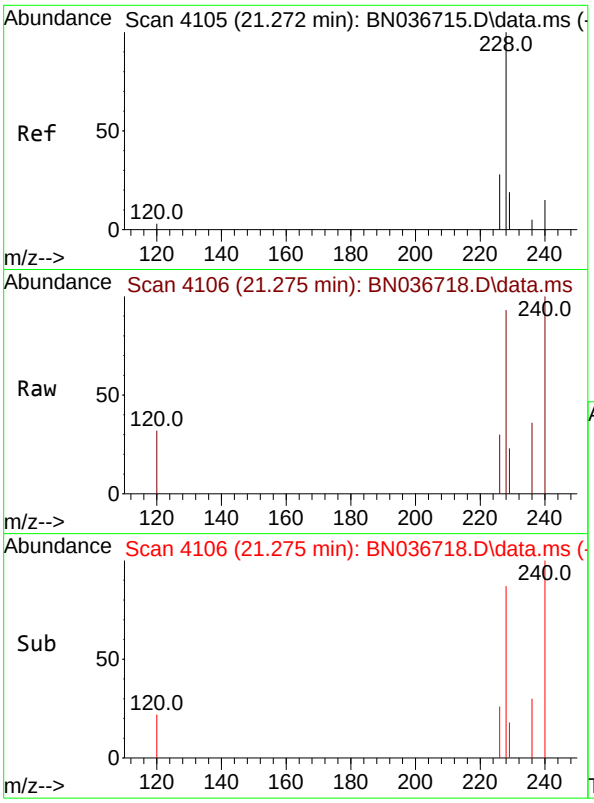


#20
Pyrene
Concen: 0.072 ng/ul
RT: 19.523 min Scan# 3631
Delta R.T. 0.001 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:202 Resp: 1899

Ion	Ratio	Lower	Upper
202	100		
101	16.8	10.6	16.0#
100	13.5	9.3	13.9



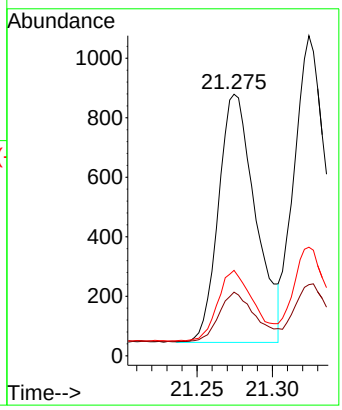


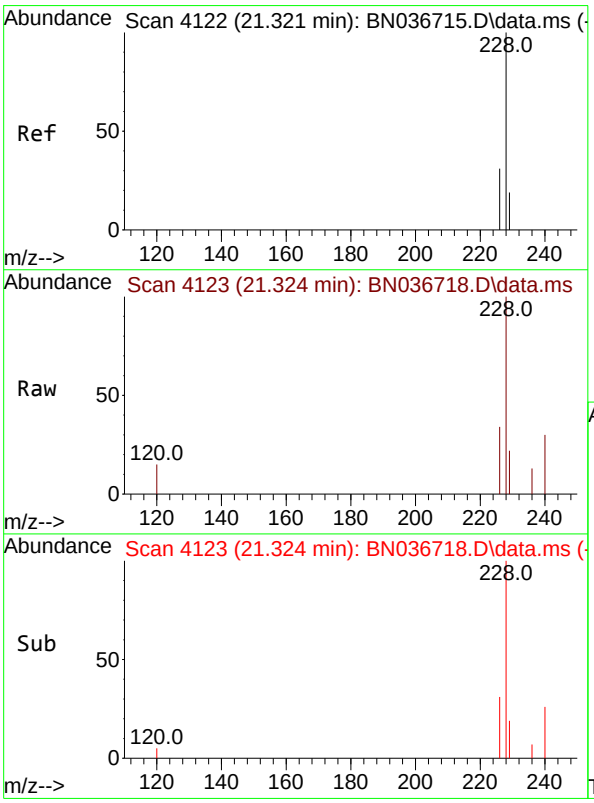
#21
Benzo(a)anthracene
Concen: 0.069 ng/ul m
RT: 21.275 min Scan# 4
Delta R.T. 0.002 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:228 Resp: 1427

Ion	Ratio	Lower	Upper
228	100		
229	24.3	16.0	24.0#
226	32.7	22.7	34.1

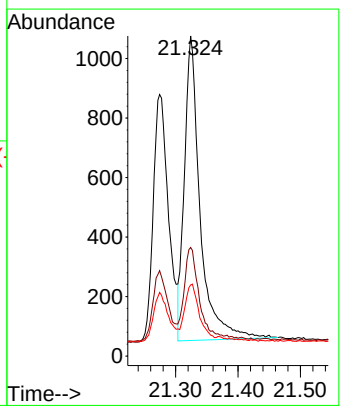


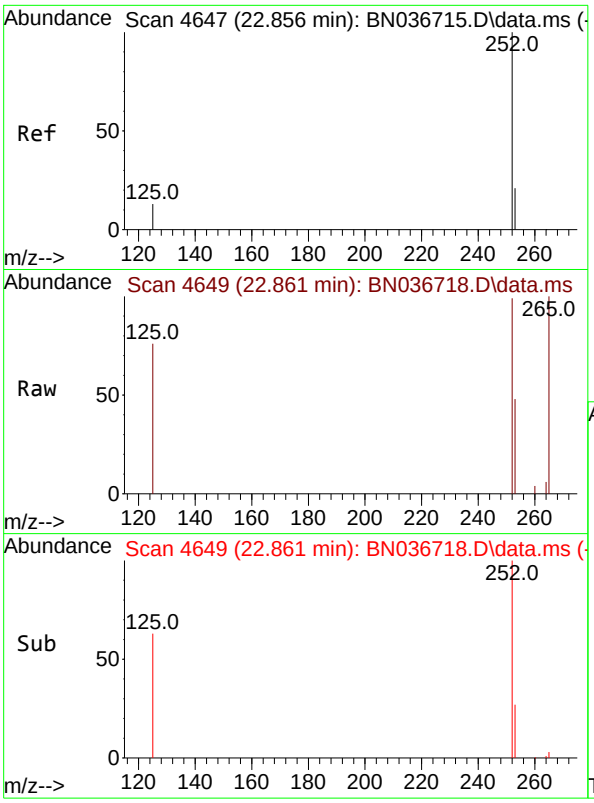


#22
Chrysene
Concen: 0.076 ng/ul
RT: 21.324 min Scan# 4123
Delta R.T. -0.001 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:228 Resp: 1787

Ion	Ratio	Lower	Upper
228	100		
226	33.9	25.0	37.6
229	22.2	15.7	23.5



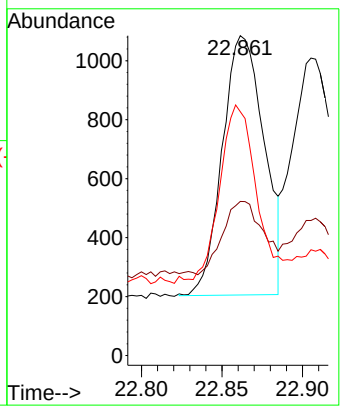


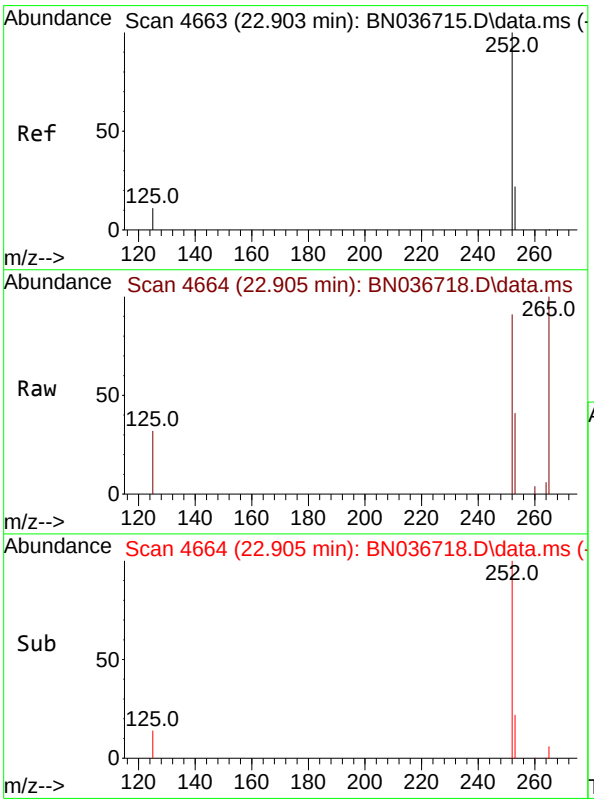
#24
Benzo(b)fluoranthene
Concen: 0.076 ng/ul m
RT: 22.861 min Scan# 4
Delta R.T. 0.002 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:252 Resp: 1588

Ion	Ratio	Lower	Upper
252	100		
253	48.2	0.0	52.6
125	76.2	0.0	35.8#

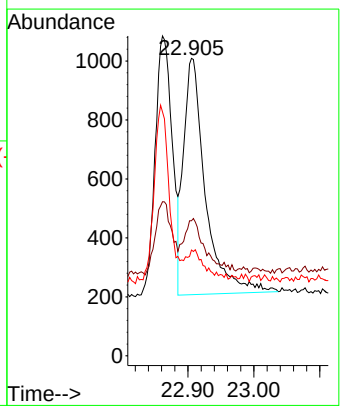


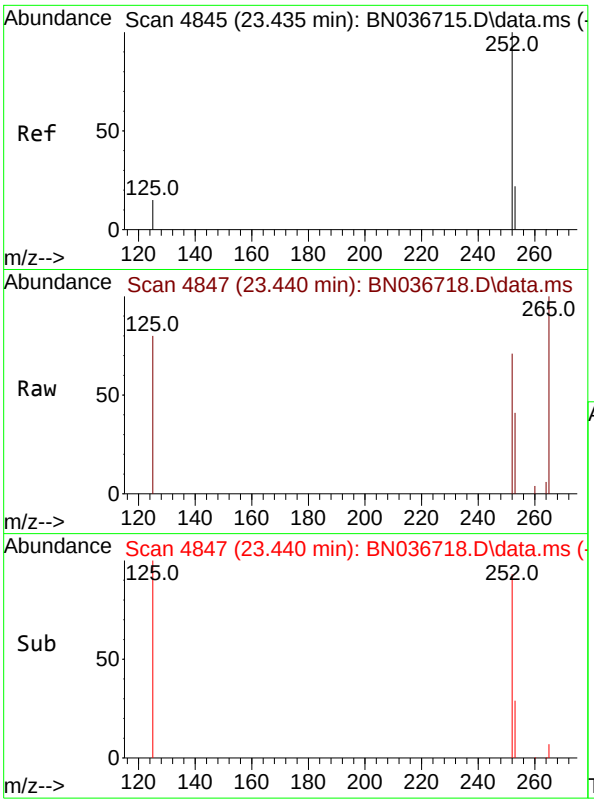


#25
Benzo(k)fluoranthene
Concen: 0.079 ng/ul
RT: 22.905 min Scan# 4664
Delta R.T. 0.002 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:252 Resp: 1847

Ion	Ratio	Lower	Upper
252	100		
253	45.4	21.4	32.0#
125	35.6	13.7	20.5#



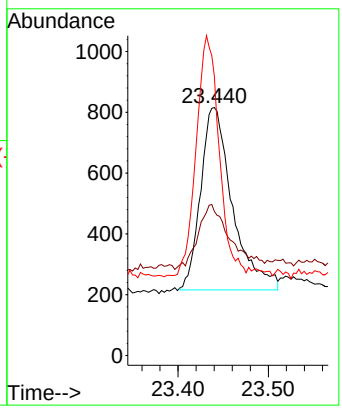


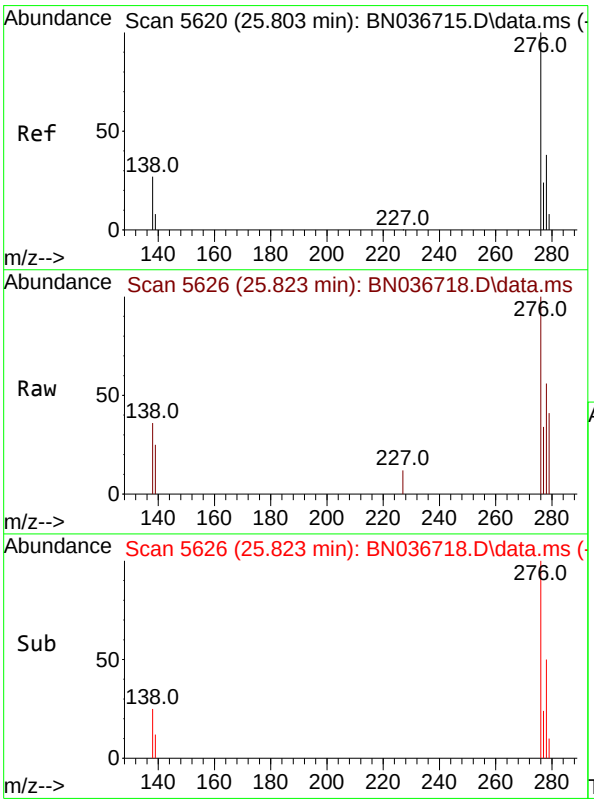
#26
Benzo(a)pyrene
Concen: 0.076 ng/ul m
RT: 23.440 min Scan# 4
Delta R.T. 0.002 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:252 Resp: 1467

Ion	Ratio	Lower	Upper
252	100		
253	58.1	24.2	36.2#
125	112.6	18.2	27.4#

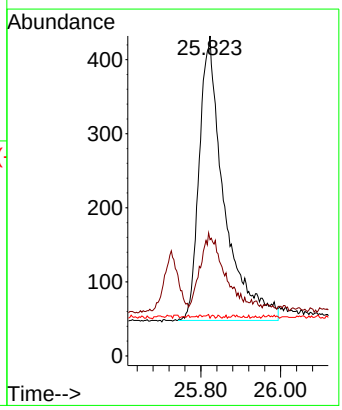


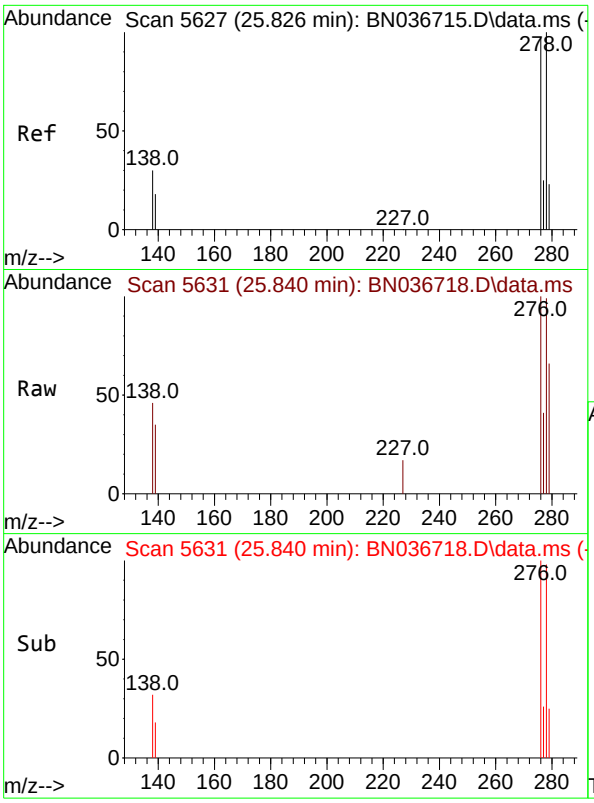


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.077 ng/ul
RT: 25.823 min Scan# 5626
Delta R.T. 0.012 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:276 Resp: 1654

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.2	34.8
227	0.1	0.1	0.1#



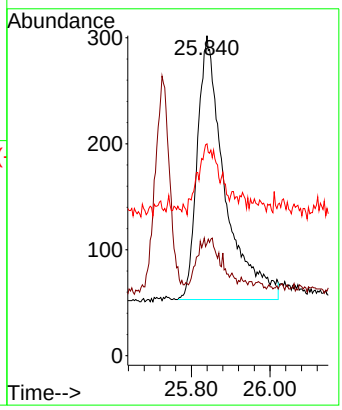


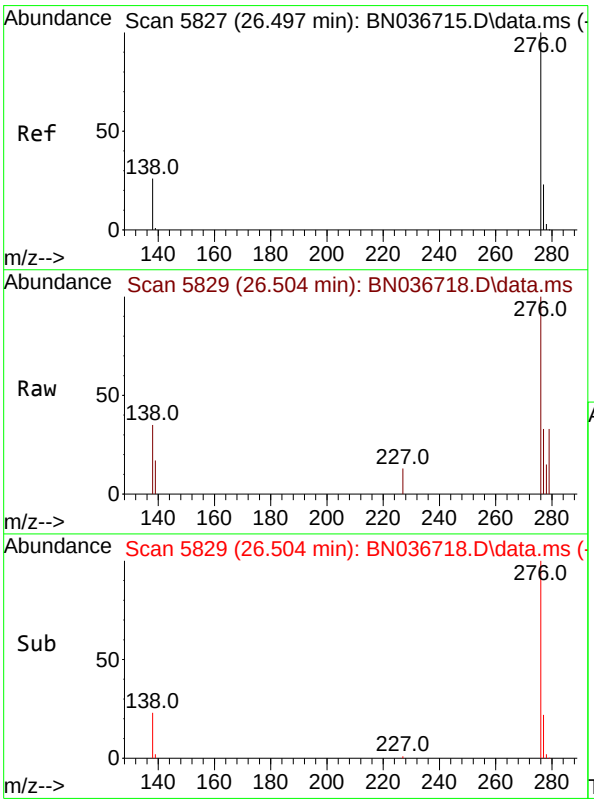
#28
Dibenzo(a,h)anthracene
Concen: 0.074 ng/ul
RT: 25.840 min Scan# 5
Delta R.T. 0.006 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

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

Tgt Ion:278 Resp: 1204

Ion	Ratio	Lower	Upper
278	100		
139	35.1	17.7	26.5#
279	66.2	25.4	38.2#





#29
Benzo(g,h,i)perylene
Concen: 0.079 ng/ul
RT: 26.504 min Scan# 5829
Delta R.T. 0.002 min
Lab File: BN036718.D
Acq: 25 Mar 2025 11:50

Tgt Ion:276 Resp: 1412

Ion	Ratio	Lower	Upper
276	100		
138	35.2	22.2	33.2#
277	33.1	20.6	31.0#