Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036043.D
Acq On : 27 Jan 2025 19:01
Operator : RC/JU
Sample : Q1174-16MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Quant Time: Jan 28 00:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	1954	0.400	ng/ul	0.00
4) Naphthalene-d8	10.604	136	4118	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.449	164	2360	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	5130	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	4134	0.400	ng/ul	0.00
23) Perylene-d12	23.669	264	3976	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.276	96	620	0.290	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.193	152	2191	0.421	ng/ul	0.00
18) Fluoranthene-d10	19.219	212	5931	0.522	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.305	88	1825	0.799	ng/ul	93
5) Naphthalene	10.653	128	4235	0.373	ng/ul	98
7) 2-Methylnaphthalene	12.270	142	2705	0.384	ng/ul	99
8) 1-Methylnaphthalene	12.490	142	2785	0.389	ng/ul	99
10) Acenaphthylene	14.167	152	4169	0.375	ng/ul	100
11) Acenaphthene	14.509	153	3180	0.388	ng/ul	98
12) Fluorene	15.495	166	3640	0.403	ng/ul	99
14) Pentachlorophenol	16.841	266	1601	0.891	ng/ul	99
15) Phenanthrene	17.229	178	6192	0.412	ng/ul	100
16) Anthracene	17.322	178	5647	0.404	ng/ul	99
19) Fluoranthene	19.247	202	7329	0.466	ng/ul	100
20) Pyrene	19.610	202	7747	0.472	ng/ul	98
21) Benzo(a)anthracene	21.354	228	6480	0.439	ng/ul	100
22) Chrysene	21.406	228	6668	0.442	ng/ul	99
24) Benzo(b)fluoranthene	22.973	252	6117	0.461	ng/ul	97
25) Benzo(k)fluoranthene	23.019	252	6263	0.449	ng/ul	96
26) Benzo(a)pyrene	23.566	252	5246	0.438	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.007	276	6660	0.420	ng/ul	98
28) Dibenzo(a,h)anthracene	26.024	278	5103	0.418	ng/ul	98
29) Benzo(g,h,i)perylene	26.725	276	5231	0.425	ng/ul	98

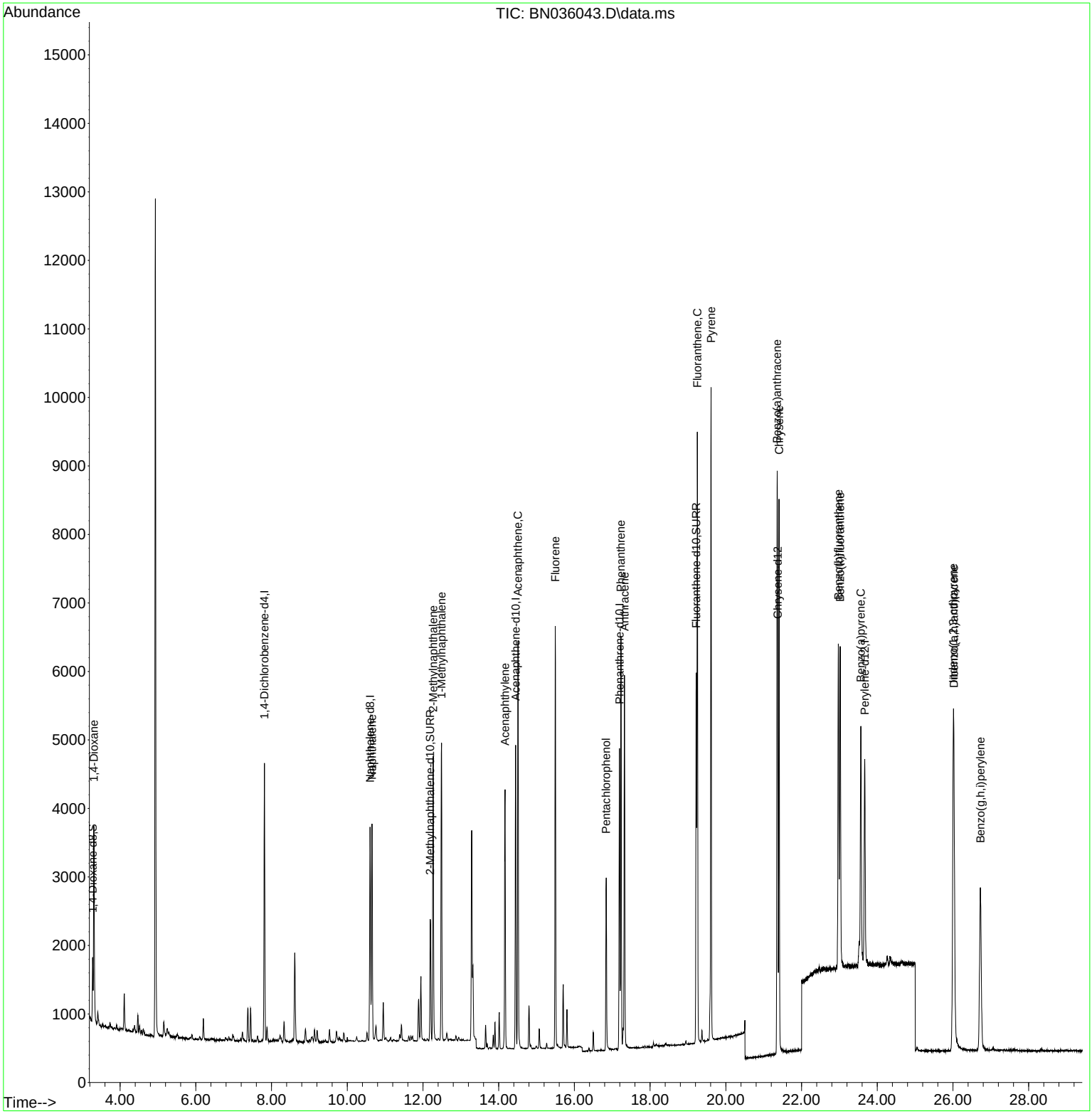
(#) = qualifier out of range (m) = manual integration (+) = signals summed

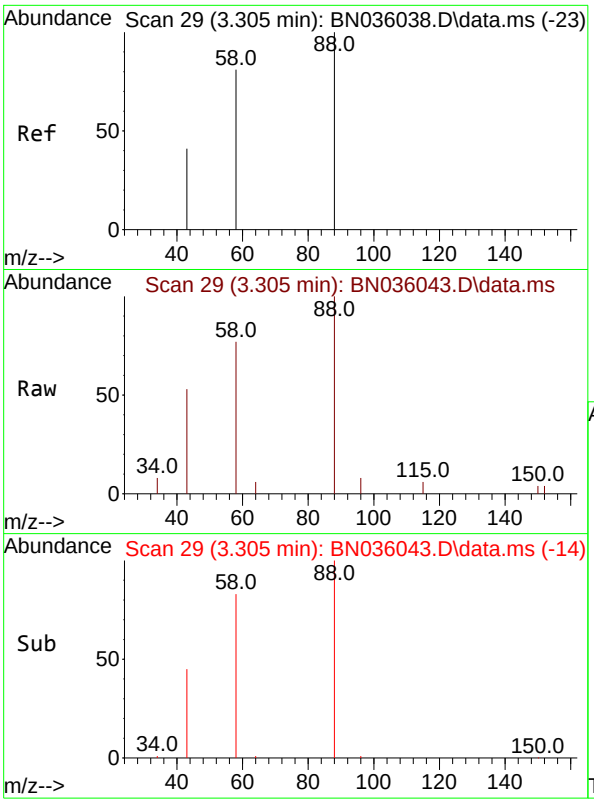
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036043.D
Acq On : 27 Jan 2025 19:01
Operator : RC/JU
Sample : Q1174-16MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Quant Time: Jan 28 00:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration



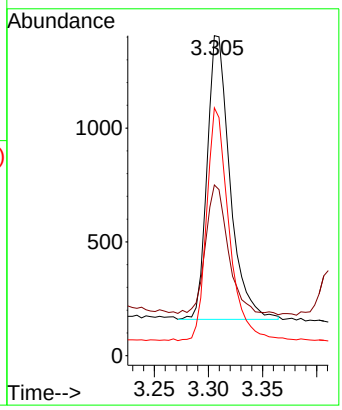


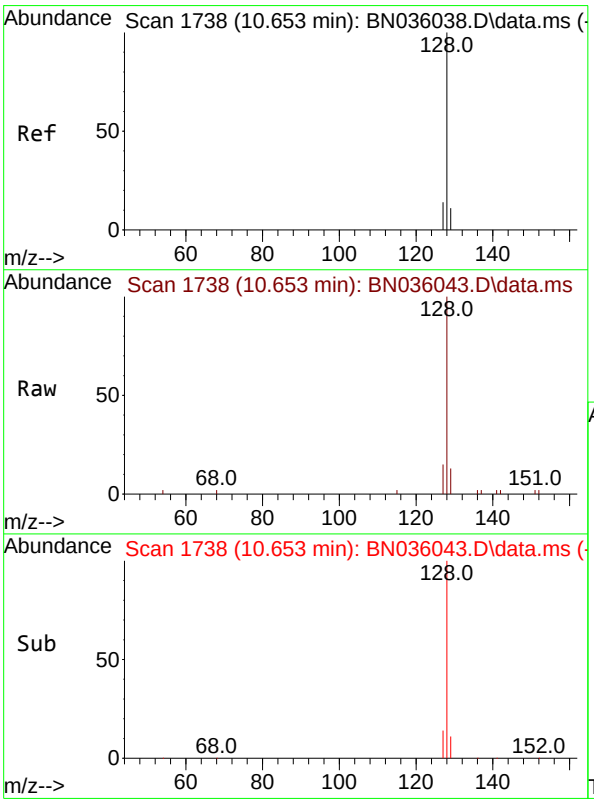
#2
1,4-Dioxane
Concen: 0.799 ng/ul
RT: 3.305 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion: 88 Resp: 1825

Ion	Ratio	Lower	Upper
88	100		
43	53.3	40.7	61.1
58	77.5	55.2	82.8

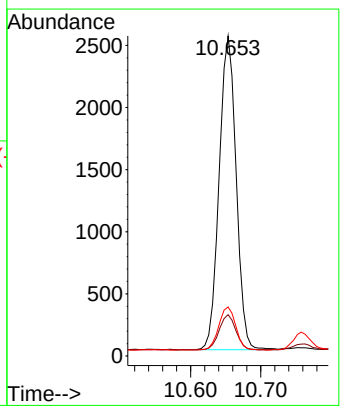


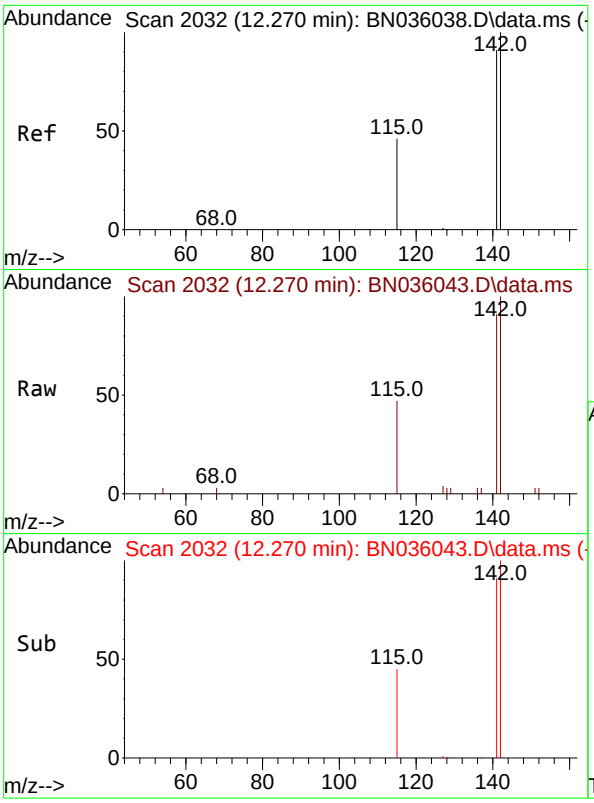


#5
Naphthalene
Concen: 0.373 ng/ul
RT: 10.653 min Scan# 1738
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:128 Resp: 4235

Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.6	14.4
127	15.3	12.0	18.0



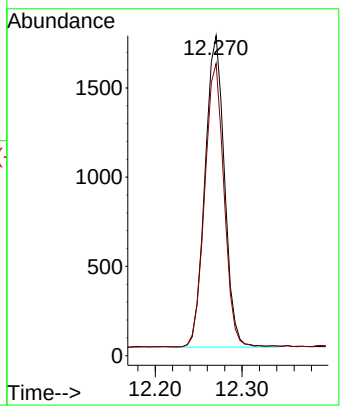


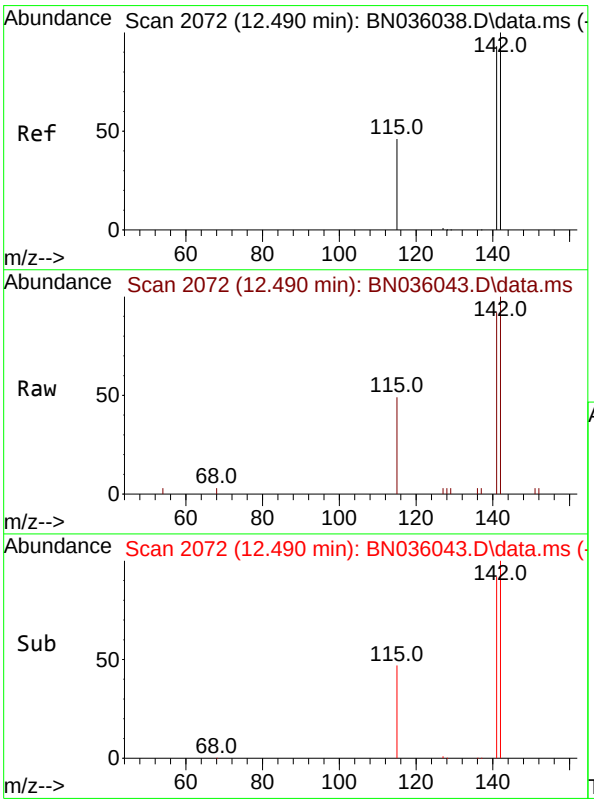
#7
2-Methylnaphthalene
Concen: 0.384 ng/ul
RT: 12.270 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:142 Resp: 2705

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.9	107.9

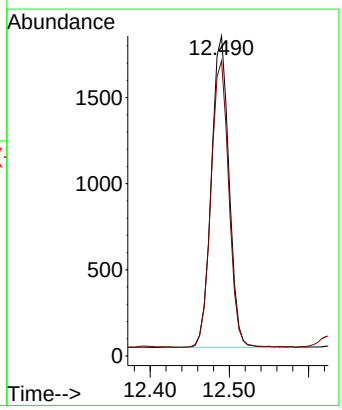


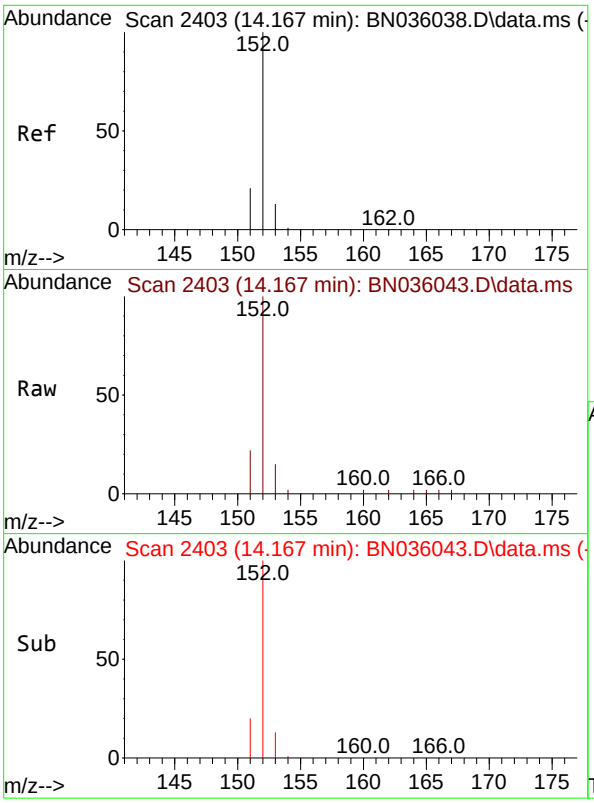


#8
1-Methylnaphthalene
Concen: 0.389 ng/ul
RT: 12.490 min Scan# 2072
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:142 Resp: 2785

Ion	Ratio	Lower	Upper
142	100		
141	93.2	75.2	112.8



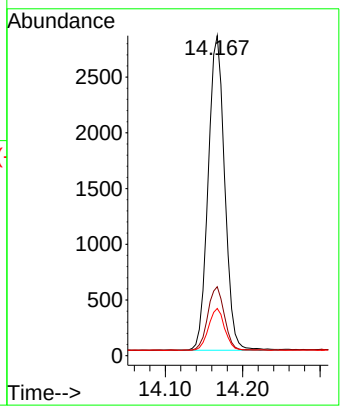


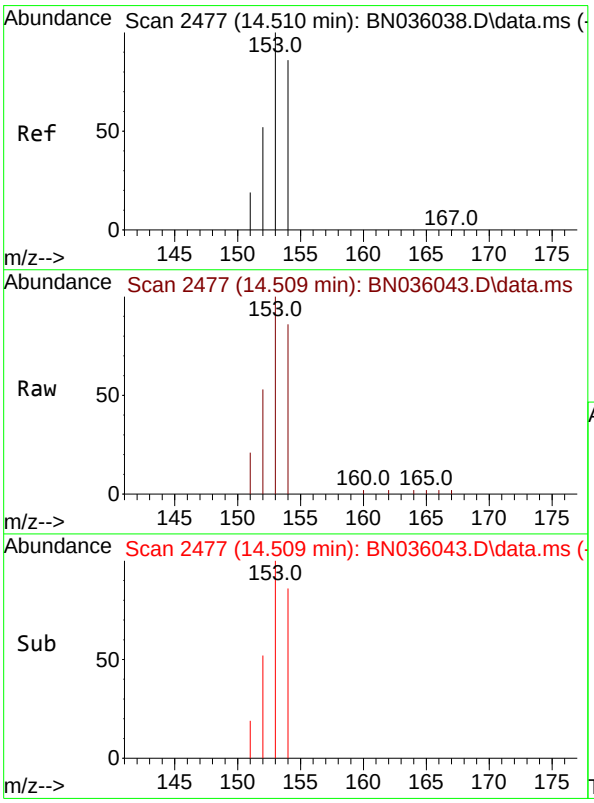
#10
Acenaphthylene
Concen: 0.375 ng/ul
RT: 14.167 min Scan# 24
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:152 Resp: 4169

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2
153	14.8	11.9	17.9

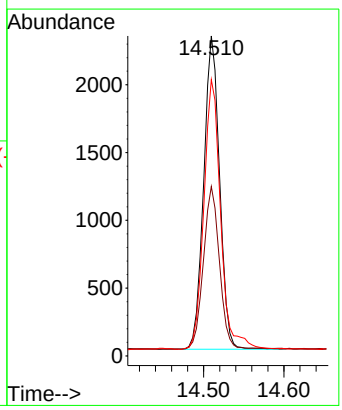


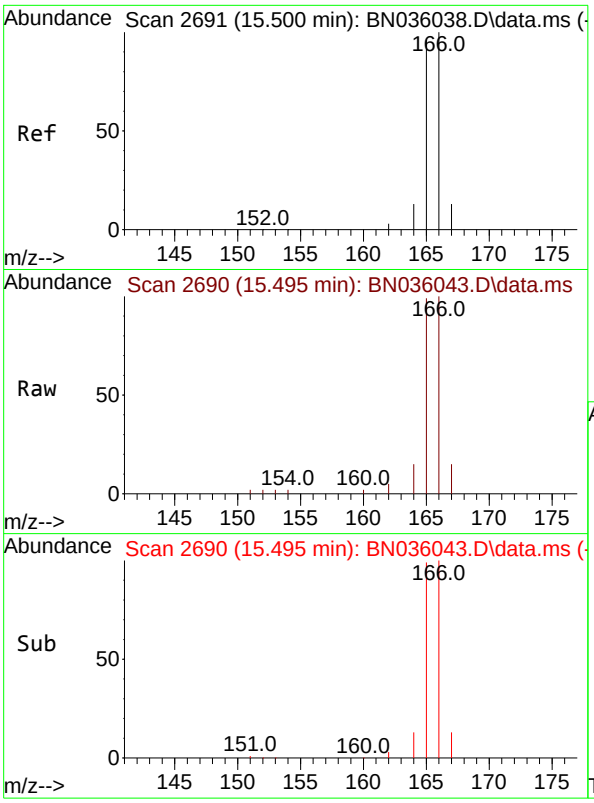


#11
Acenaphthene
Concen: 0.388 ng/ul
RT: 14.509 min Scan# 2477
Delta R.T. -0.005 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:153 Resp: 3180

Ion	Ratio	Lower	Upper
153	100		
152	53.0	43.2	64.8
154	86.4	70.5	105.7



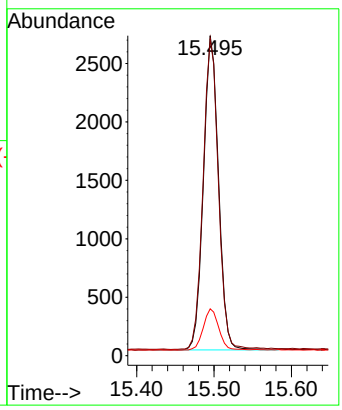


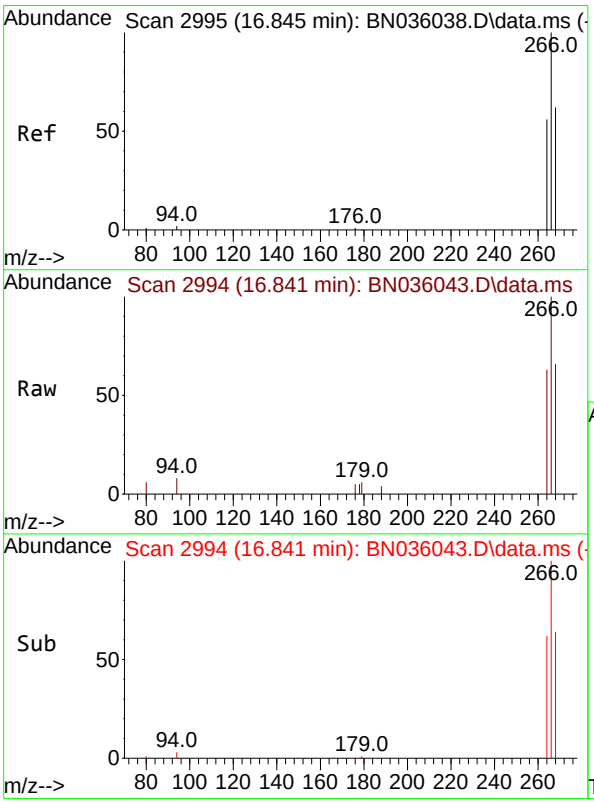
#12
Fluorene
Concen: 0.403 ng/ul
RT: 15.495 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:166 Resp: 3640

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.3	120.5
167	14.6	12.3	18.5

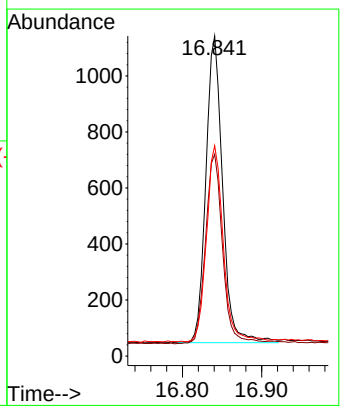


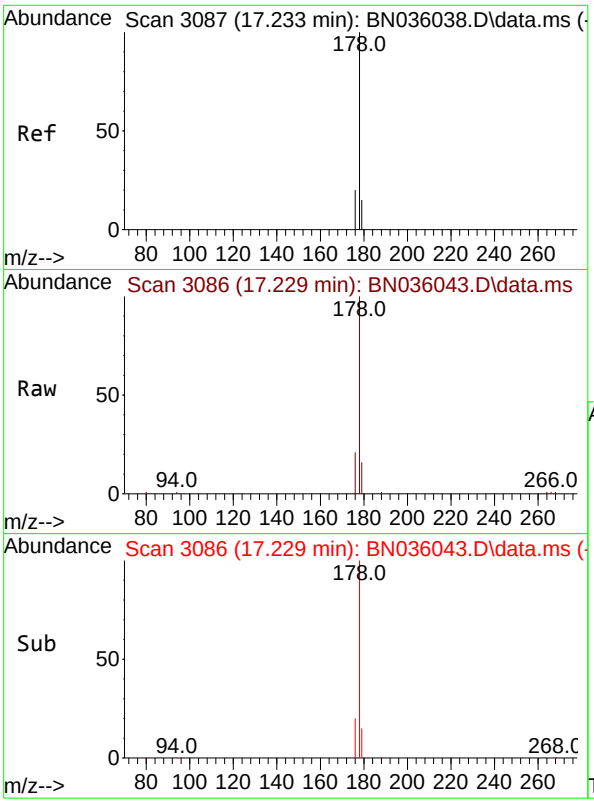


#14
Pentachlorophenol
Concen: 0.891 ng/ul
RT: 16.841 min Scan# 2994
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:266 Resp: 1601

Ion	Ratio	Lower	Upper
266	100		
264	63.7	50.6	75.8
268	64.5	50.6	75.8



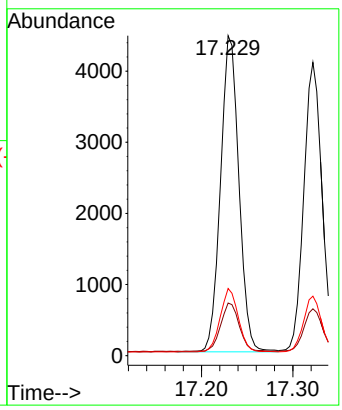


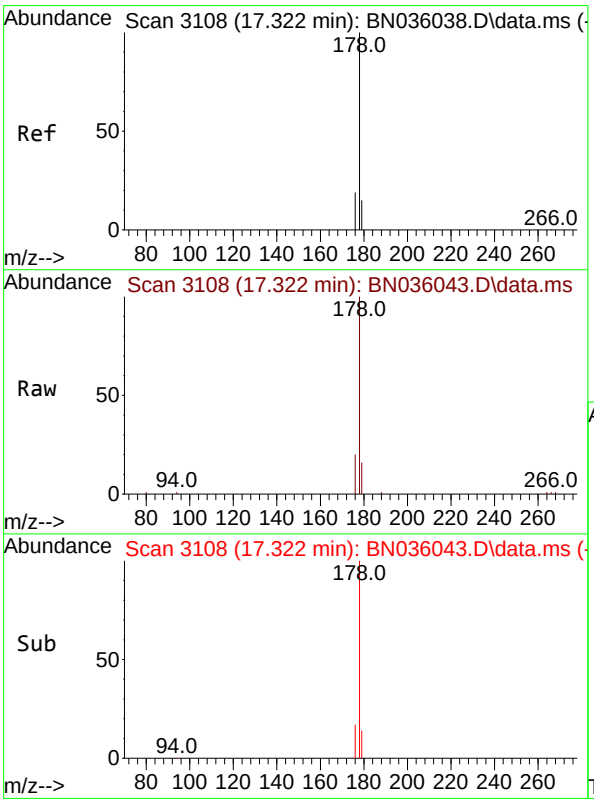
#15
Phenanthrene
Concen: 0.412 ng/ul
RT: 17.229 min Scan# 3
Delta R.T. -0.004 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:178 Resp: 6192

Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.2	19.8
176	21.0	16.8	25.2

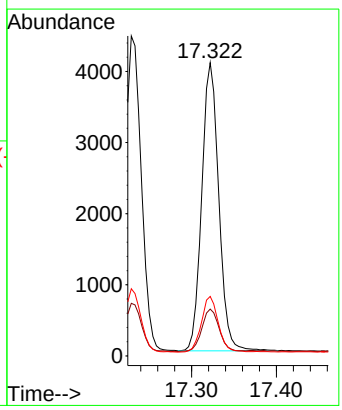


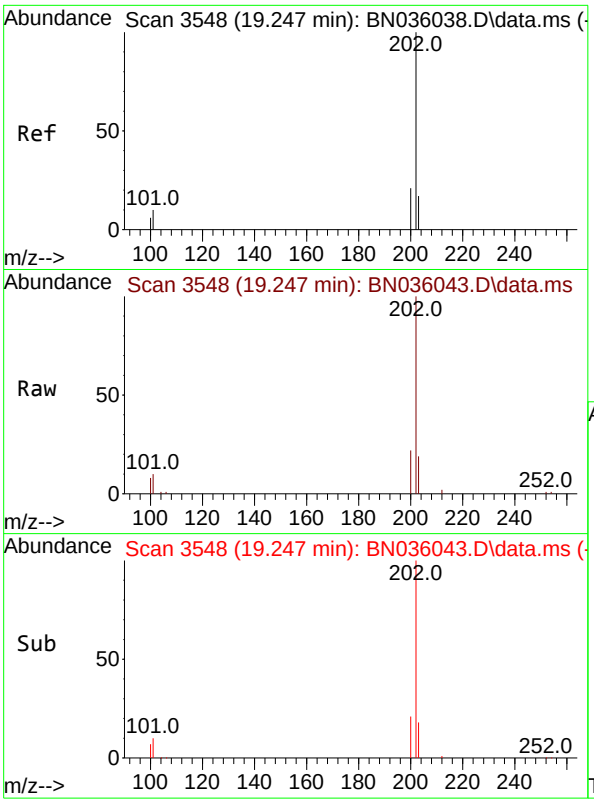


#16
Anthracene
Concen: 0.404 ng/ul
RT: 17.322 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:178 Resp: 5647

Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.0	19.4
176	20.3	15.9	23.9



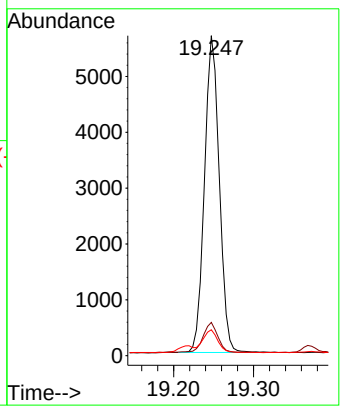


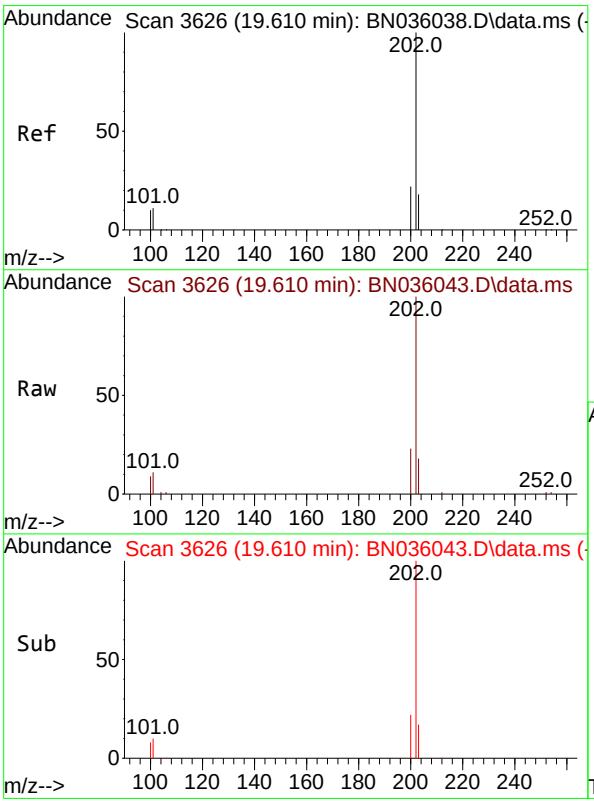
#19
Fluoranthene
Concen: 0.466 ng/ul
RT: 19.247 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:202 Resp: 7329

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.4	12.6
100	8.1	6.5	9.7

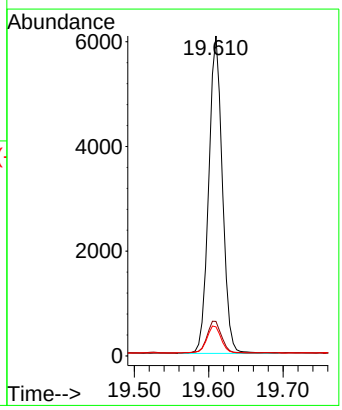


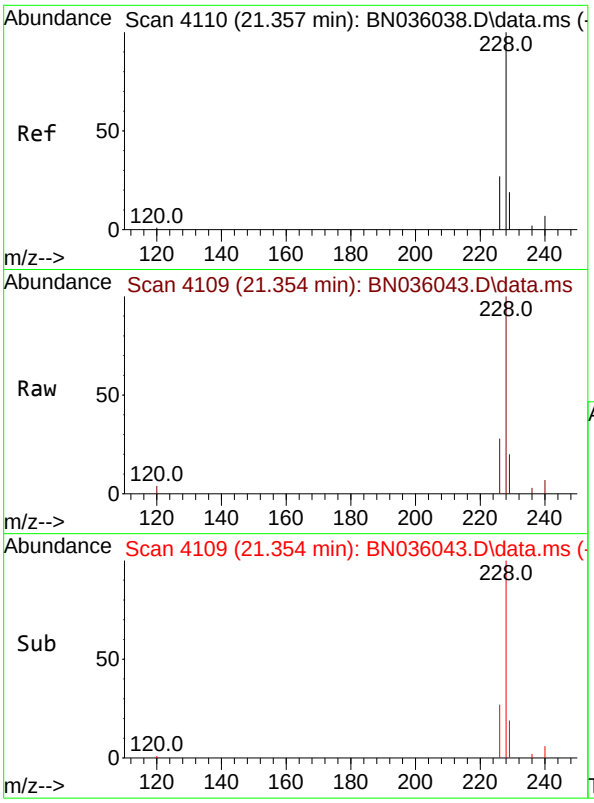


#20
Pyrene
Concen: 0.472 ng/ul
RT: 19.610 min Scan# 3626
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:202 Resp: 7747

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.3	13.9
100	9.1	7.5	11.3



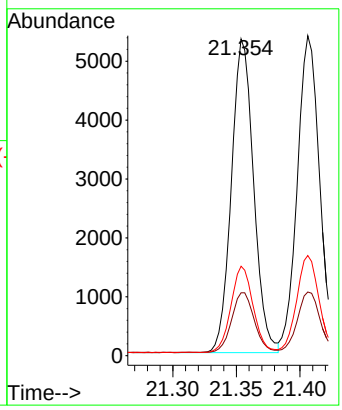


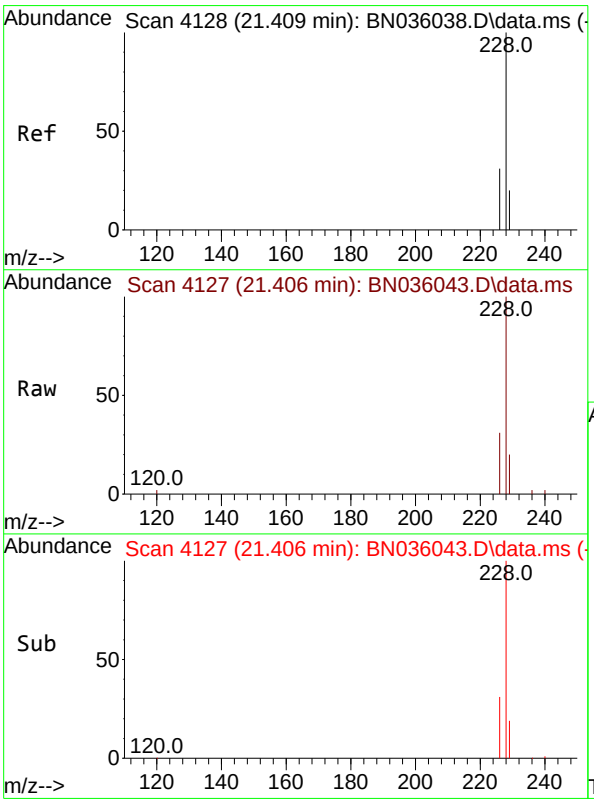
#21
Benzo(a)anthracene
Concen: 0.439 ng/ul
RT: 21.354 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:228 Resp: 6480

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9
226	28.3	22.8	34.2

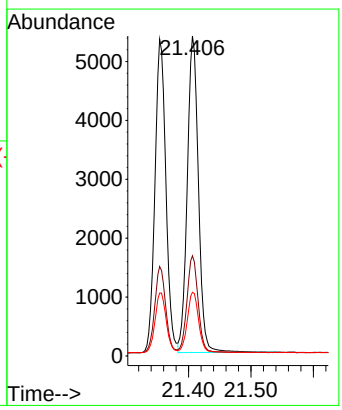


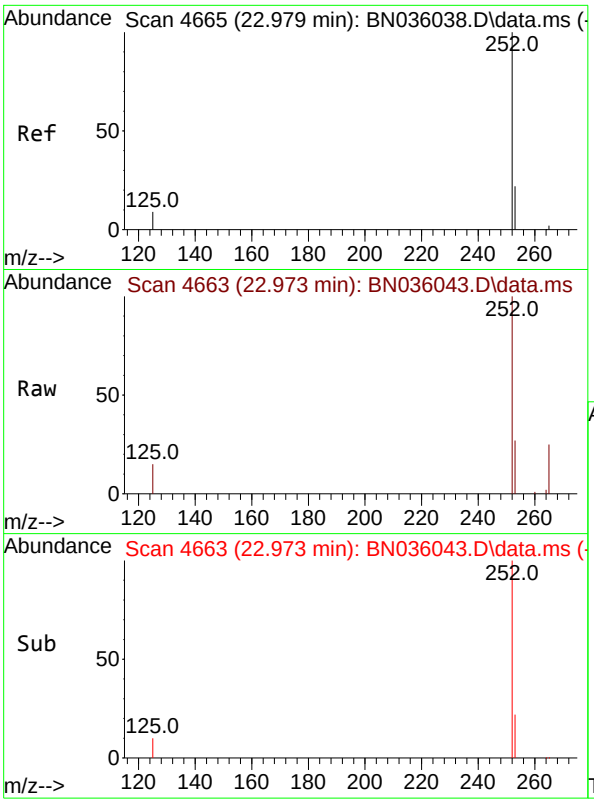


#22
Chrysene
Concen: 0.442 ng/ul
RT: 21.406 min Scan# 4127
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:228 Resp: 6668

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.4	36.6
229	19.9	15.9	23.9



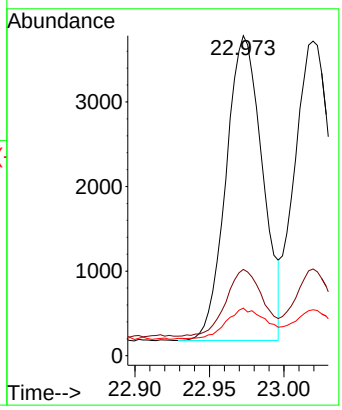


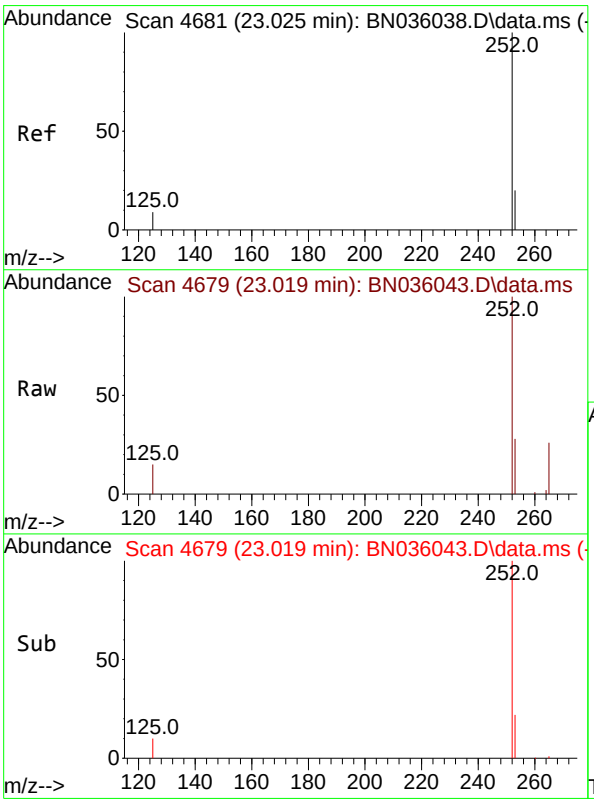
#24
Benzo(b)fluoranthene
Concen: 0.461 ng/ul
RT: 22.973 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:252 Resp: 6117

Ion	Ratio	Lower	Upper
252	100		
253	26.9	0.0	51.2
125	14.9	0.0	27.8

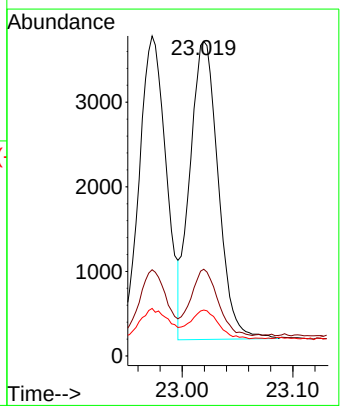


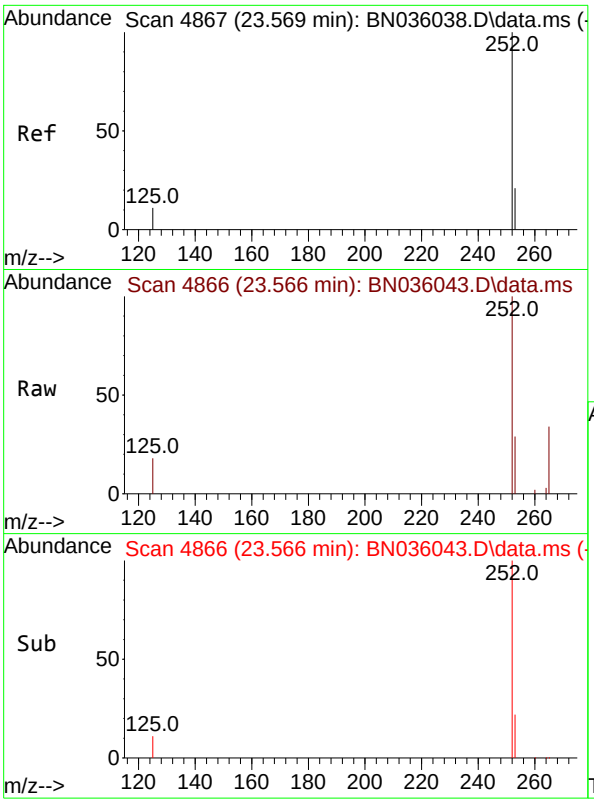


#25
Benzo(k)fluoranthene
Concen: 0.449 ng/ul
RT: 23.019 min Scan# 4679
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:252 Resp: 6263

Ion	Ratio	Lower	Upper
252	100		
253	27.6	20.2	30.4
125	14.6	10.6	16.0



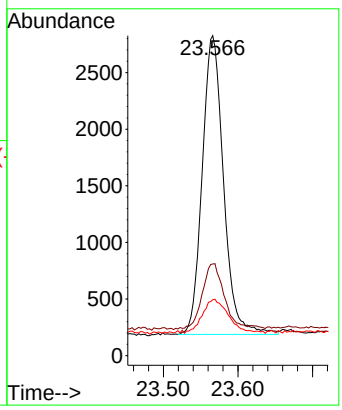


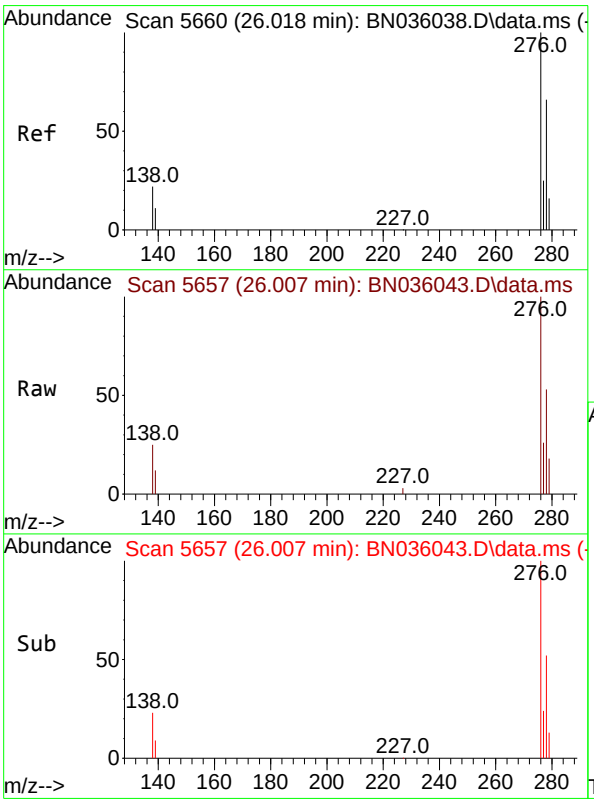
#26
Benzo(a)pyrene
Concen: 0.438 ng/ul
RT: 23.566 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:252 Resp: 5246

Ion	Ratio	Lower	Upper
252	100		
253	28.7	22.2	33.4
125	17.5	13.1	19.7

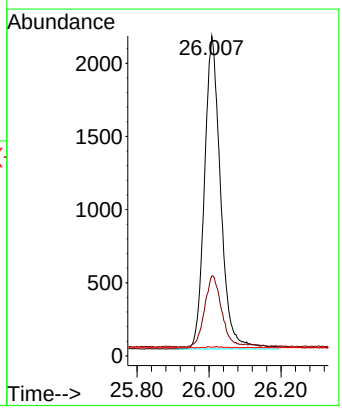


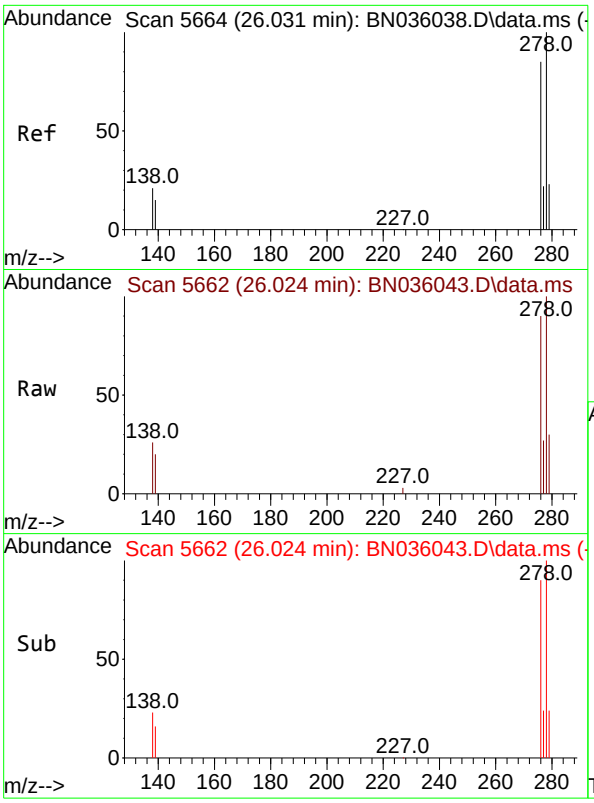


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.420 ng/ul
RT: 26.007 min Scan# 5657
Delta R.T. 0.003 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:276 Resp: 6660

Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.2	30.4
227	0.1	0.1	0.1



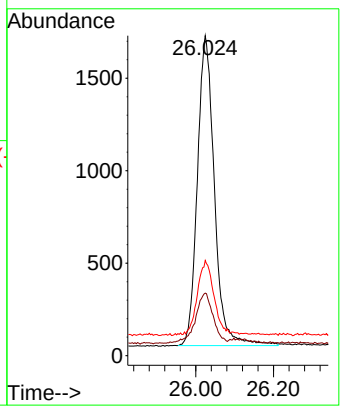


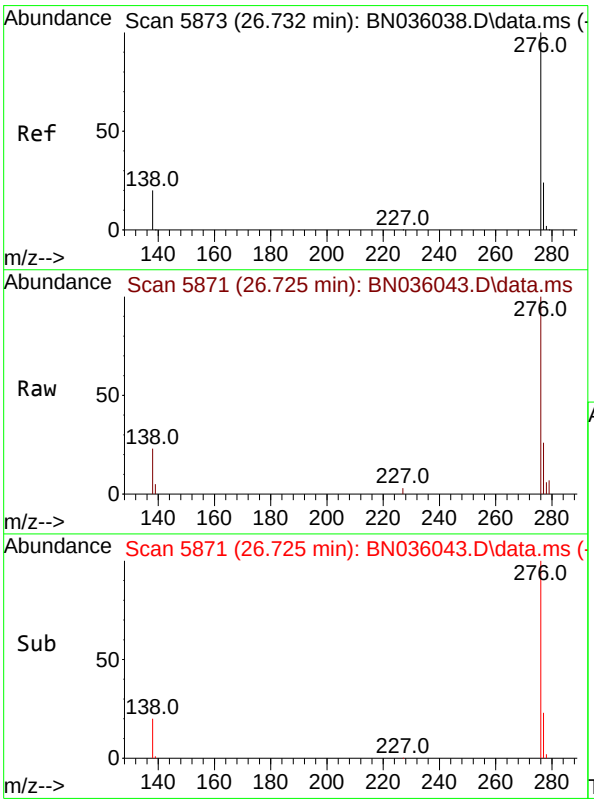
#28
Dibenzo(a,h)anthracene
Concen: 0.418 ng/ul
RT: 26.024 min Scan# 5
Delta R.T. 0.003 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

Tgt Ion:278 Resp: 5103

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.4	23.2
279	29.8	22.2	33.4





#29
Benzo(g,h,i)perylene
Concen: 0.425 ng/ul
RT: 26.725 min Scan# 5871
Delta R.T. 0.007 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:276 Resp: 5231

Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.4	29.0
277	25.7	21.1	31.7