Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038255.D
Acq On : 02 Dec 2025 15:13
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Quant Time: Dec 03 00:36:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7837	0.400	ng/ul	0.00
4) Naphthalene-d8	10.567	136	23944	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.427	164	11905	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	17150	0.400	ng/ul	-0.01
17) Chrysene-d12	21.371	240	11866	0.400	ng/ul	0.00
23) Perylene-d12	23.678	264	12141	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	3284	0.399	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.167	152	6696	0.196	ng/ul	0.00
18) Fluoranthene-d10	19.215	212	15450	0.335	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	8524	0.962	ng/ul	94
5) Naphthalene	10.616	128	20665	0.318	ng/ul	99
7) 2-Methylnaphthalene	12.238	142	13523	0.311	ng/ul	100
8) 1-Methylnaphthalene	12.458	142	13104	0.284	ng/ul	100
10) Acenaphthylene	14.144	152	19399	0.347	ng/ul	99
11) Acenaphthene	14.491	153	13927	0.335	ng/ul	100
12) Fluorene	15.481	166	15067	0.338	ng/ul	99
14) Pentachlorophenol	16.833	266	3691	1.342	ng/ul	97
15) Phenanthrene	17.221	178	22587	0.420	ng/ul	100
16) Anthracene	17.314	178	19555	0.429	ng/ul	100
19) Fluoranthene	19.243	202	23593	0.372	ng/ul	98
20) Pyrene	19.605	202	24199	0.385	ng/ul	97
21) Benzo(a)anthracene	21.354	228	19837	0.500	ng/ul	99
22) Chrysene	21.407	228	21957	0.446	ng/ul	99
24) Benzo(b)fluoranthene	22.979	252	21635	0.455	ng/ul	98
25) Benzo(k)fluoranthene	23.026	252	22929	0.458	ng/ul	96
26) Benzo(a)pyrene	23.575	252	19996	0.466	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.028	276	26870	0.526	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.045	278	20630	0.575	ng/ul	95
29) Benzo(g,h,i)perylene	26.746	276	22595	0.470	ng/ul	100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038255.D
Acq On : 02 Dec 2025 15:13
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
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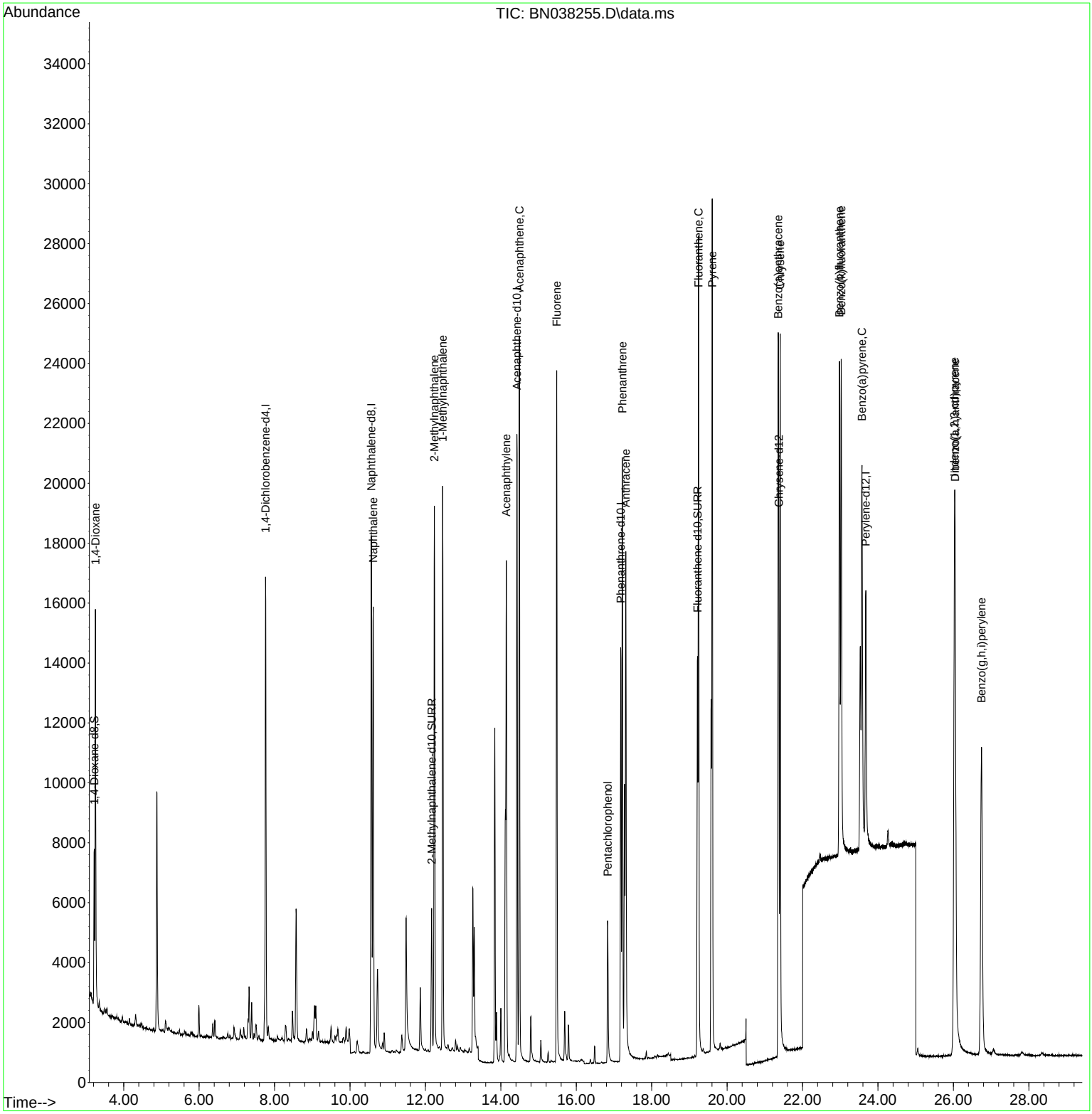
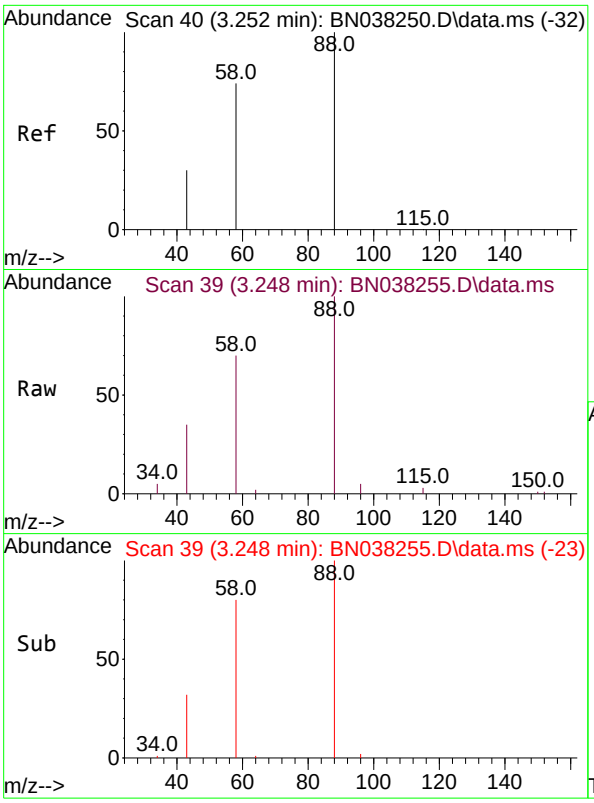
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Quant Time: Dec 03 00:36:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



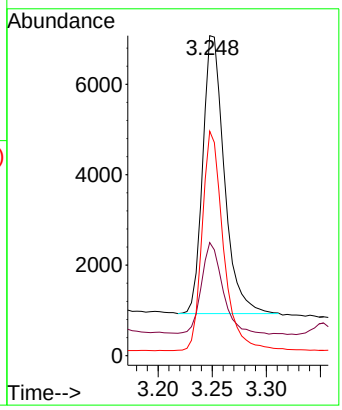


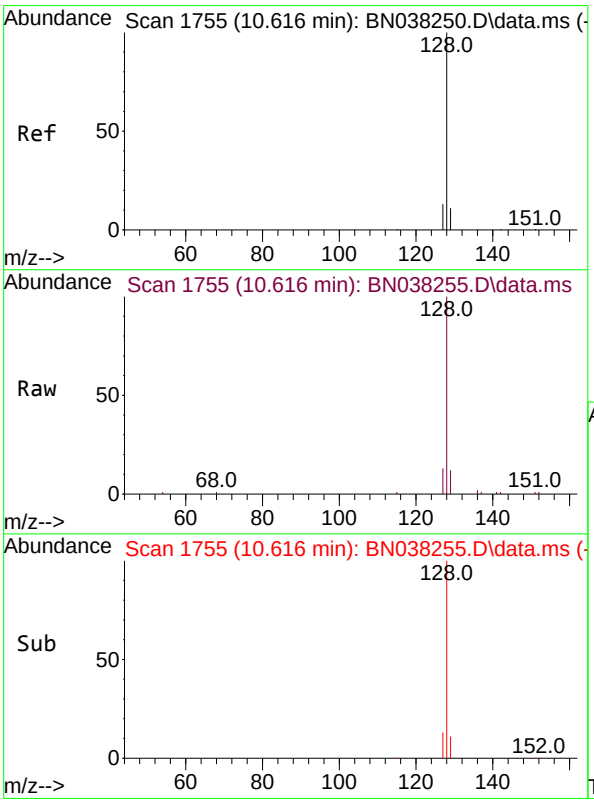
#2
1,4-Dioxane
Concen: 0.962 ng/ul
RT: 3.248 min Scan# 3
Delta R.T. -0.004 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion: 88 Resp: 8524

Ion	Ratio	Lower	Upper
88	100		
43	35.3	27.5	41.3
58	70.1	50.5	75.7

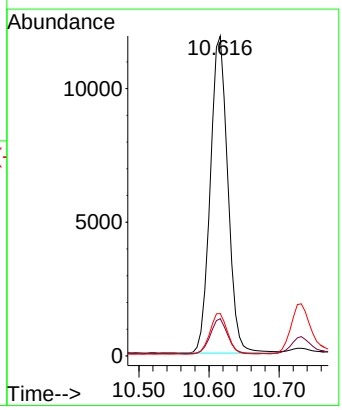


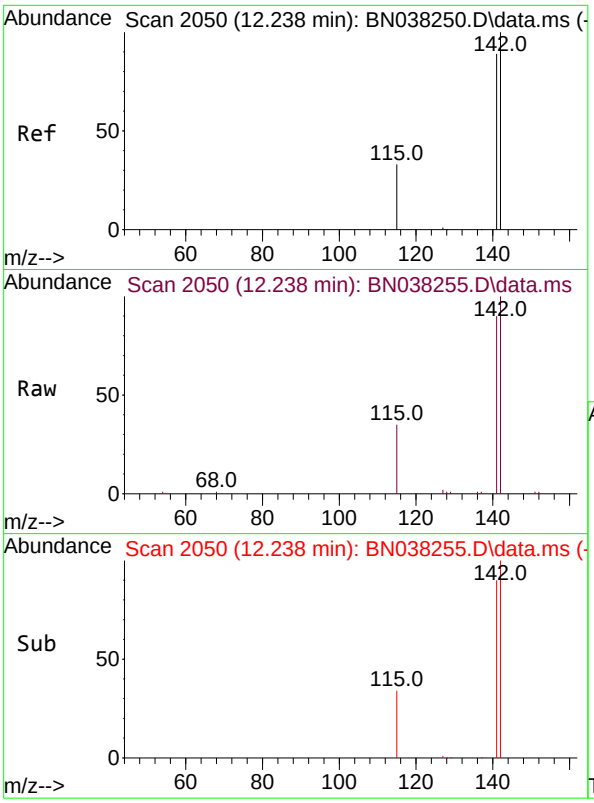


#5
Naphthalene
Concen: 0.318 ng/ul
RT: 10.616 min Scan# 1755
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:128 Resp: 20665

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.2	10.6	16.0



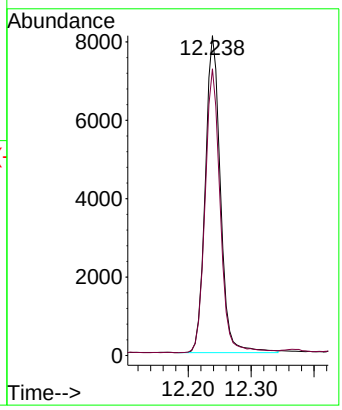


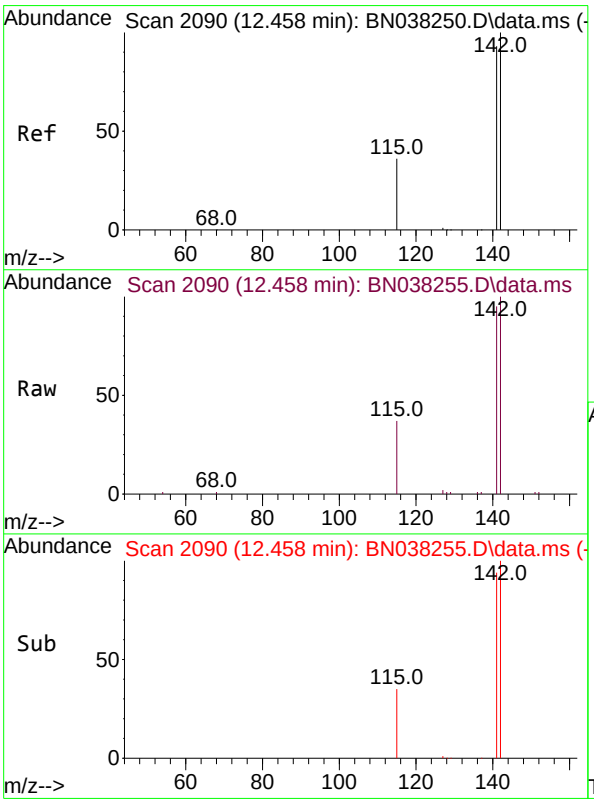
#7
2-Methylnaphthalene
Concen: 0.311 ng/ul
RT: 12.238 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:142 Resp: 13523

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.7	107.5

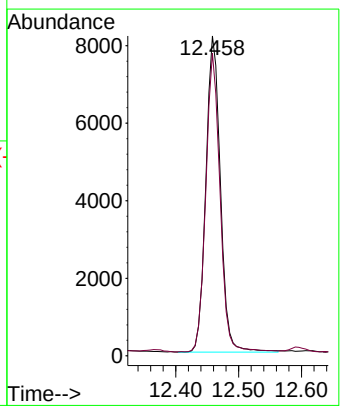


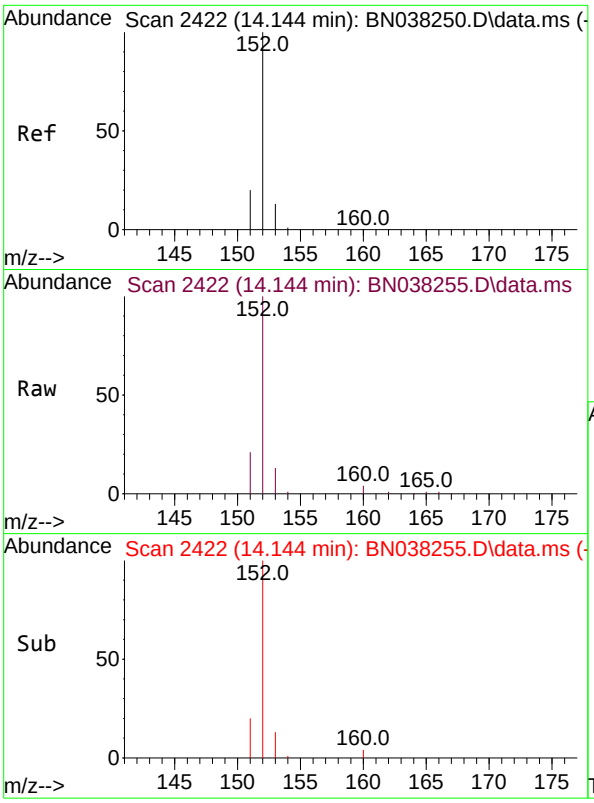


#8
1-Methylnaphthalene
Concen: 0.284 ng/ul
RT: 12.458 min Scan# 2090
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:142 Resp: 13104

Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.1	111.1



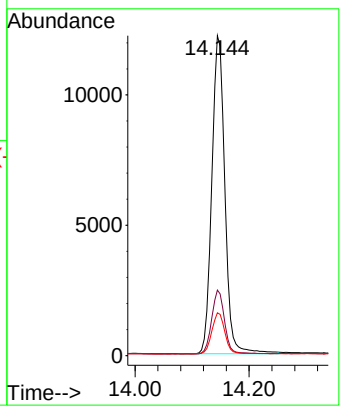


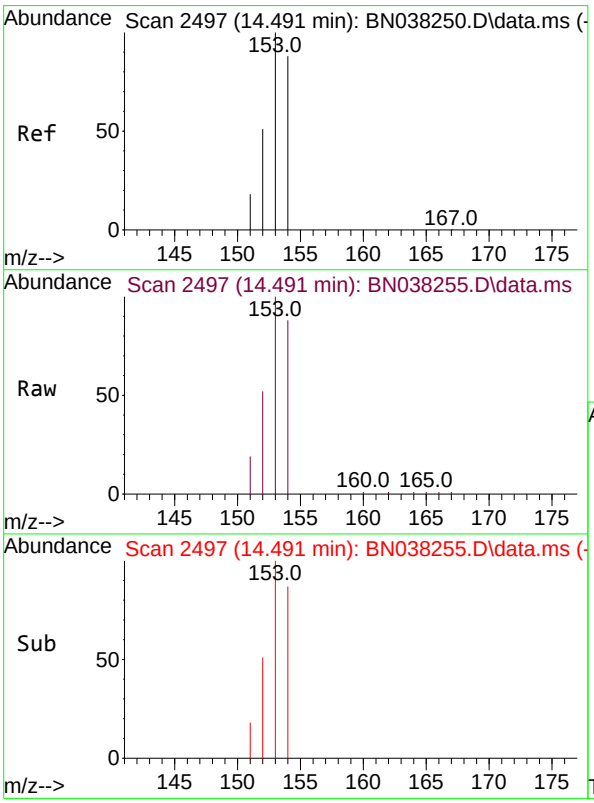
#10
Acenaphthylene
Concen: 0.347 ng/ul
RT: 14.144 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:152 Resp: 19399

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	13.4	10.7	16.1

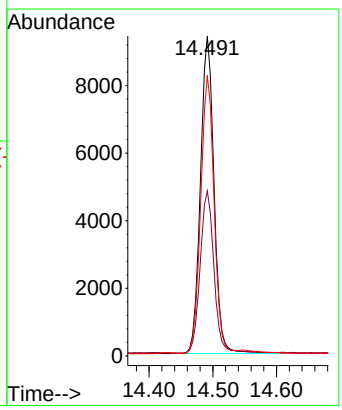


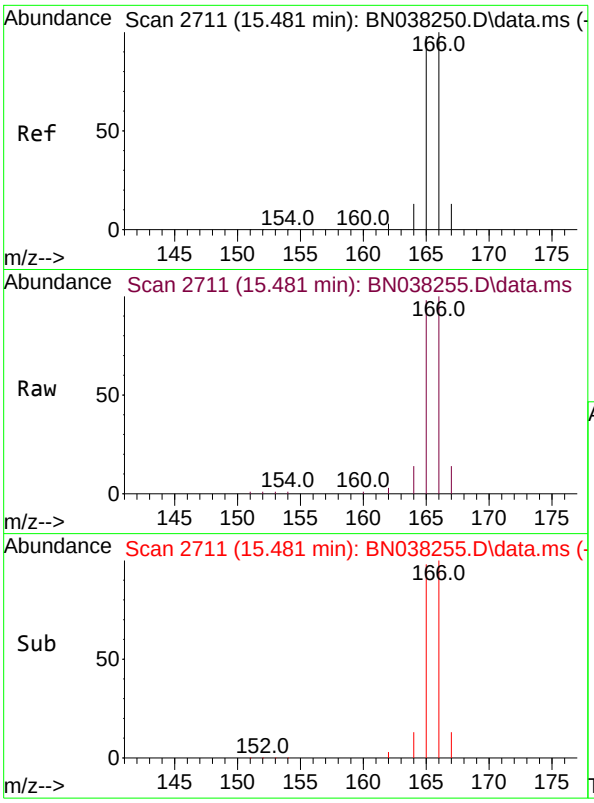


#11
Acenaphthene
Concen: 0.335 ng/ul
RT: 14.491 min Scan# 2497
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:153 Resp: 13927

Ion	Ratio	Lower	Upper
153	100		
152	51.6	41.4	62.0
154	87.7	69.7	104.5



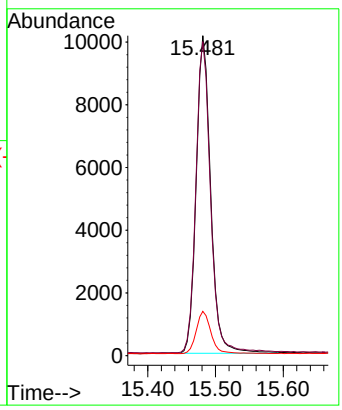


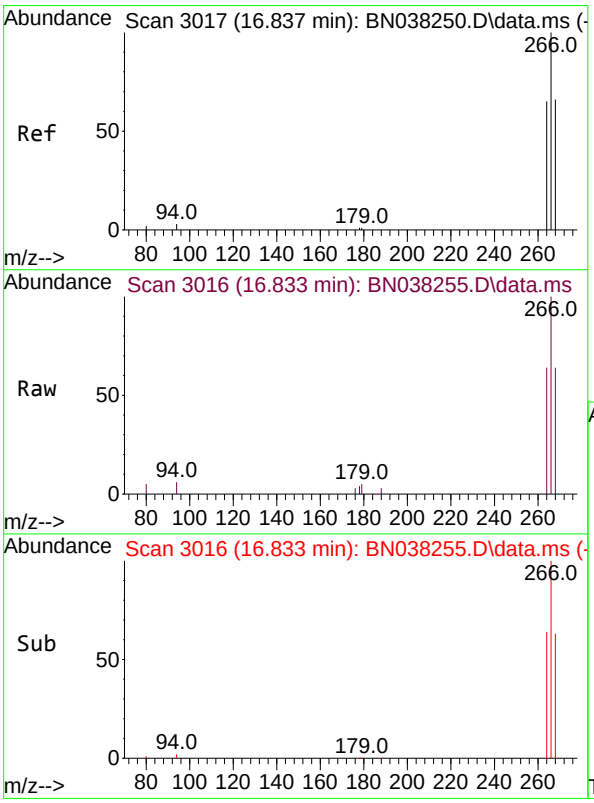
#12
Fluorene
Concen: 0.338 ng/ul
RT: 15.481 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:166 Resp: 15067

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.1	117.1
167	13.9	11.0	16.4

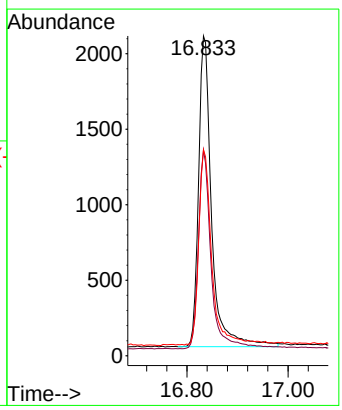


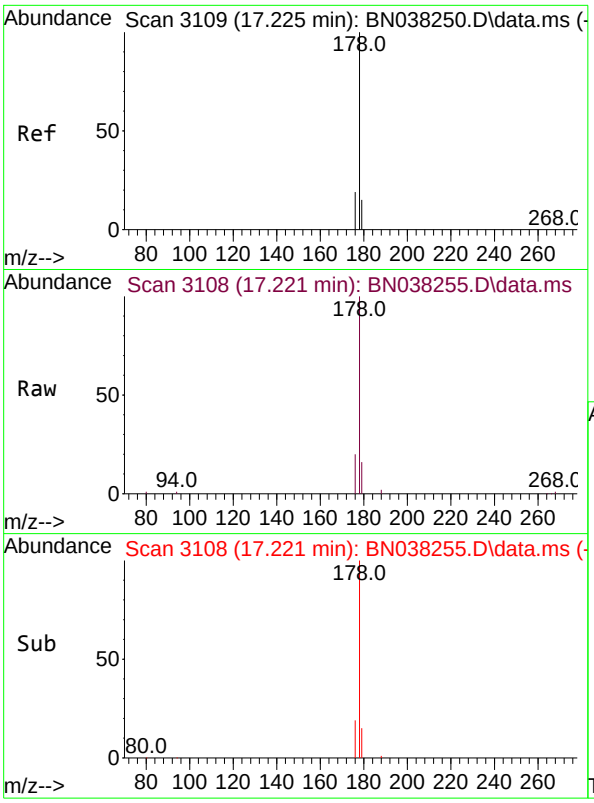


#14
Pentachlorophenol
Concen: 1.342 ng/ul
RT: 16.833 min Scan# 3016
Delta R.T. -0.014 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:266 Resp: 3691

Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.3	73.9
268	63.2	53.7	80.5



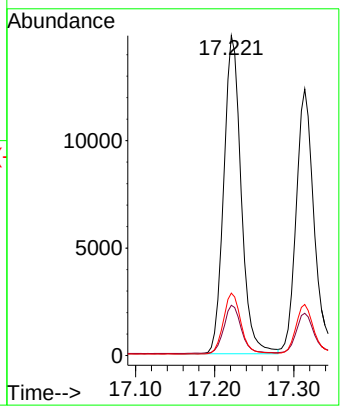


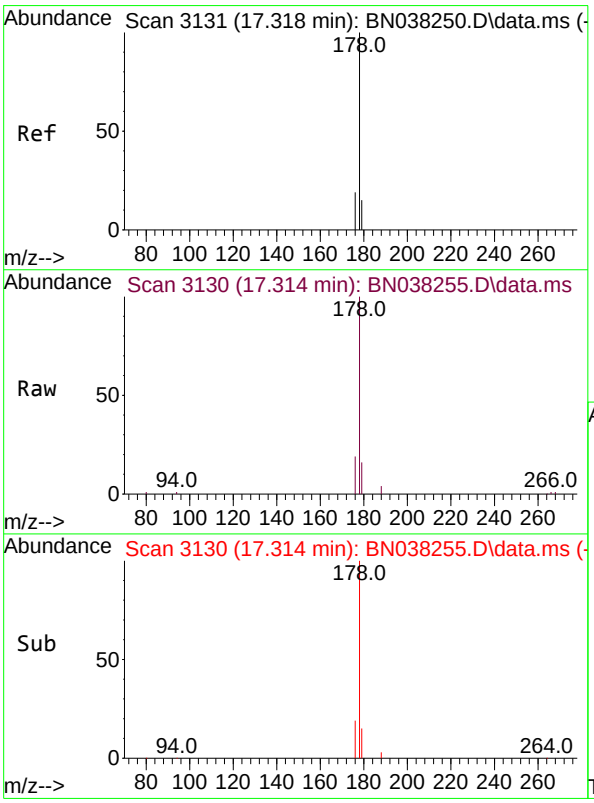
#15
Phenanthrene
Concen: 0.420 ng/ul
RT: 17.221 min Scan# 31
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:178 Resp: 22587

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	19.5	15.8	23.6

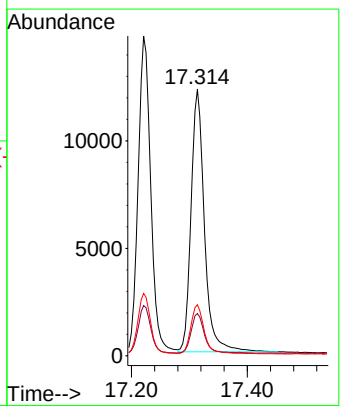


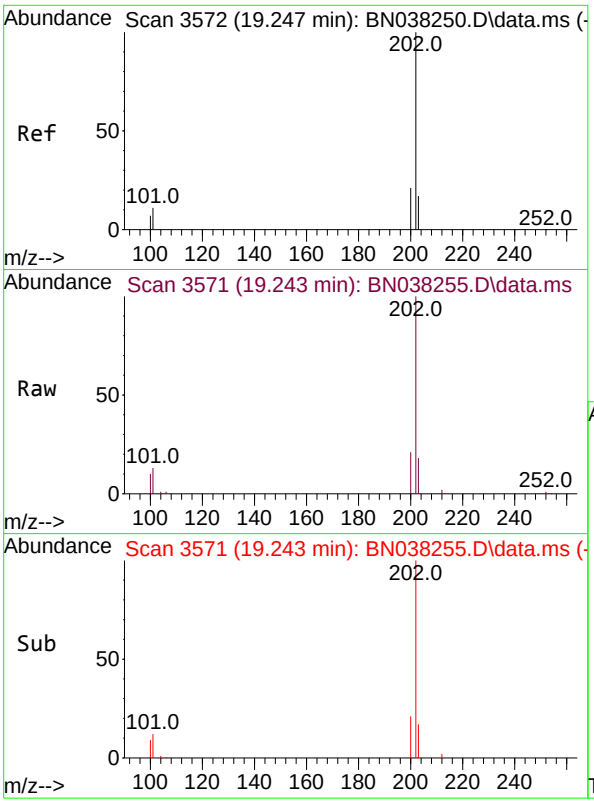


#16
Anthracene
Concen: 0.429 ng/ul
RT: 17.314 min Scan# 3130
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:178 Resp: 19555

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2
176	19.2	15.4	23.2



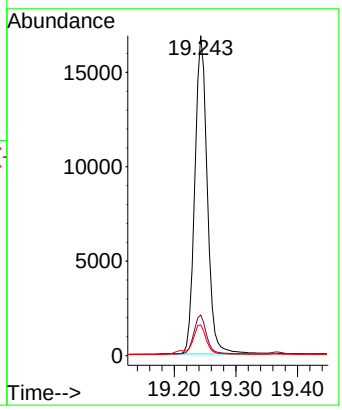


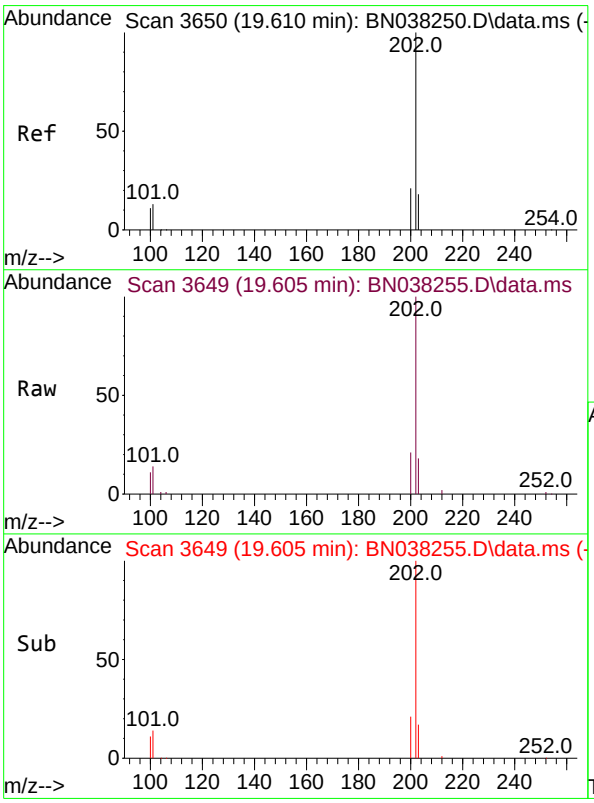
#19
Fluoranthene
Concen: 0.372 ng/ul
RT: 19.243 min Scan# 3
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:202 Resp: 23593

Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.3	13.9
100	9.6	7.2	10.8

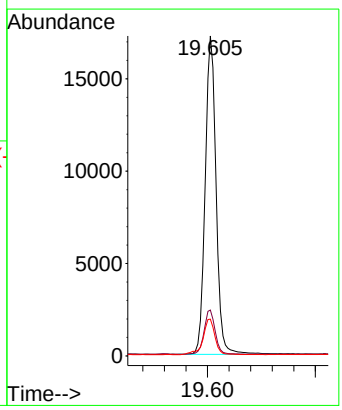


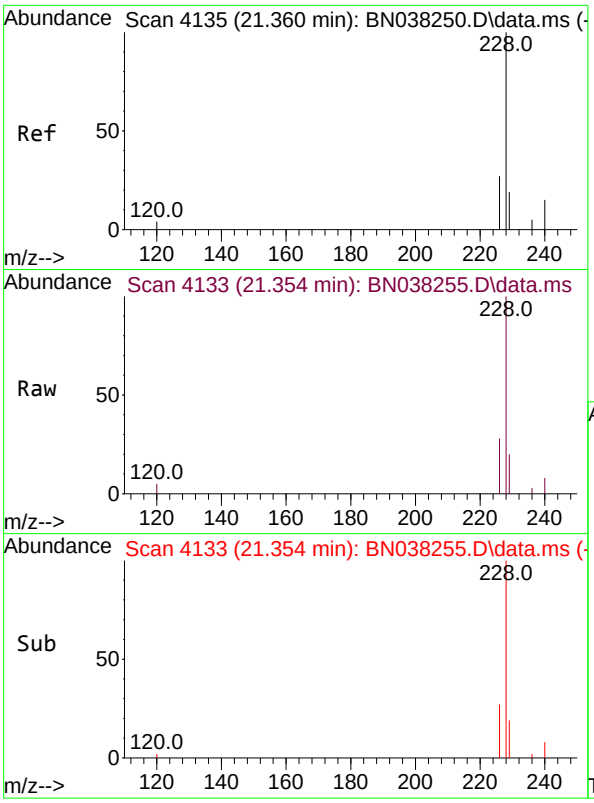


#20
Pyrene
Concen: 0.385 ng/ul
RT: 19.605 min Scan# 3649
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:202 Resp: 24199

Ion	Ratio	Lower	Upper
202	100		
101	14.3	10.6	16.0
100	11.5	8.5	12.7



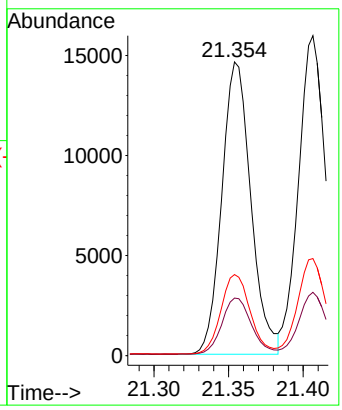


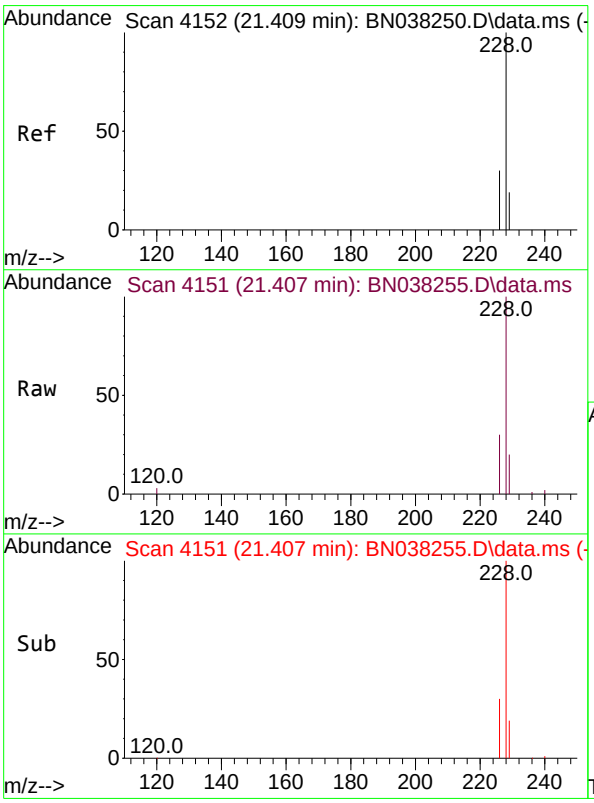
#21
Benzo(a)anthracene
Concen: 0.500 ng/ul
RT: 21.354 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:228 Resp: 19837

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.6	23.4
226	27.6	22.4	33.6

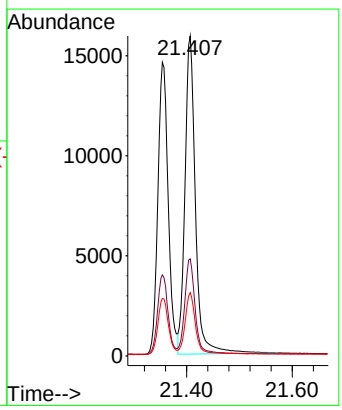


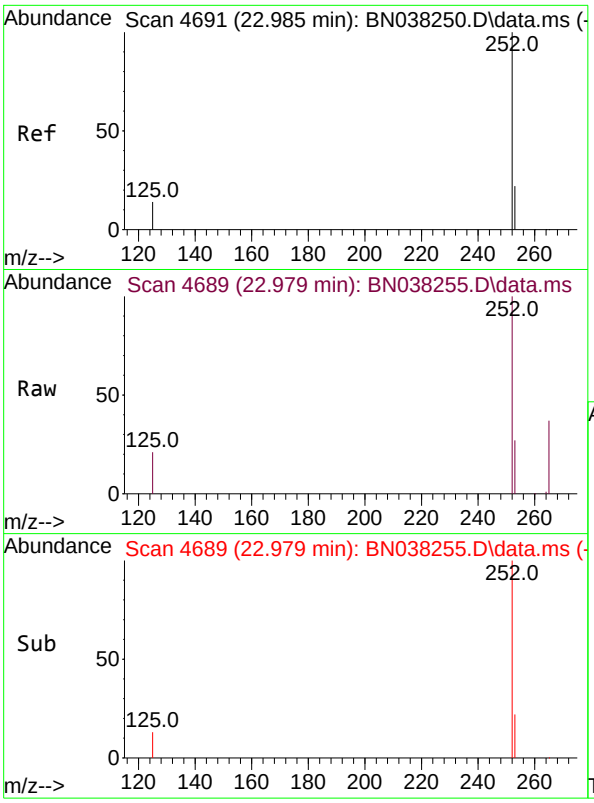


#22
Chrysene
Concen: 0.446 ng/ul
RT: 21.407 min Scan# 4151
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:228 Resp: 21957

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.4
229	19.8	15.4	23.0



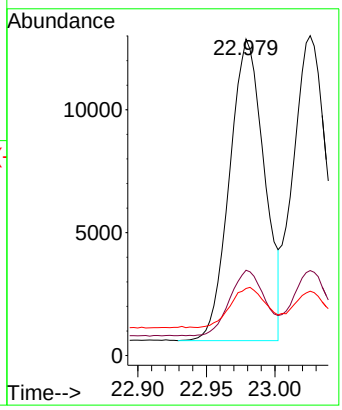


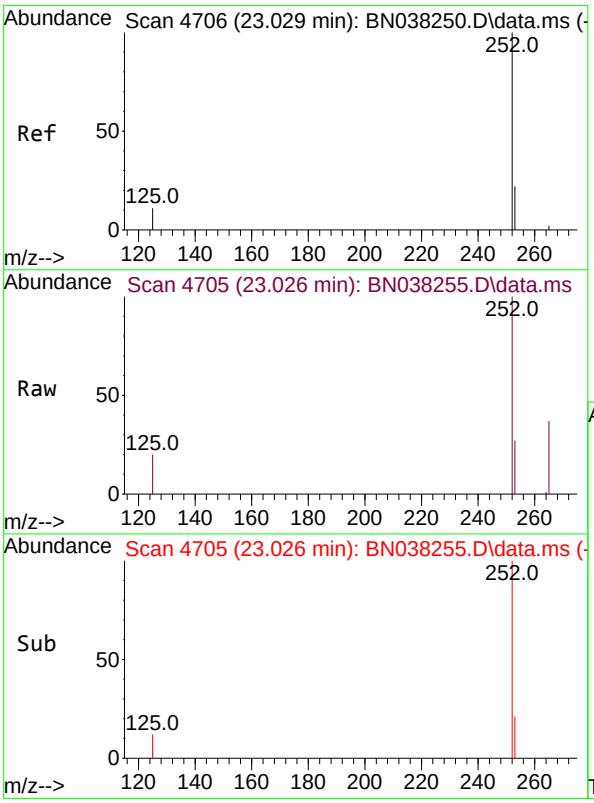
#24
Benzo(b)fluoranthene
Concen: 0.455 ng/ul
RT: 22.979 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:252 Resp: 21635

Ion	Ratio	Lower	Upper
252	100		
253	27.0	0.0	55.8
125	21.2	0.0	45.6

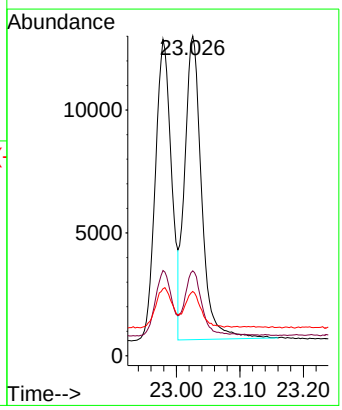


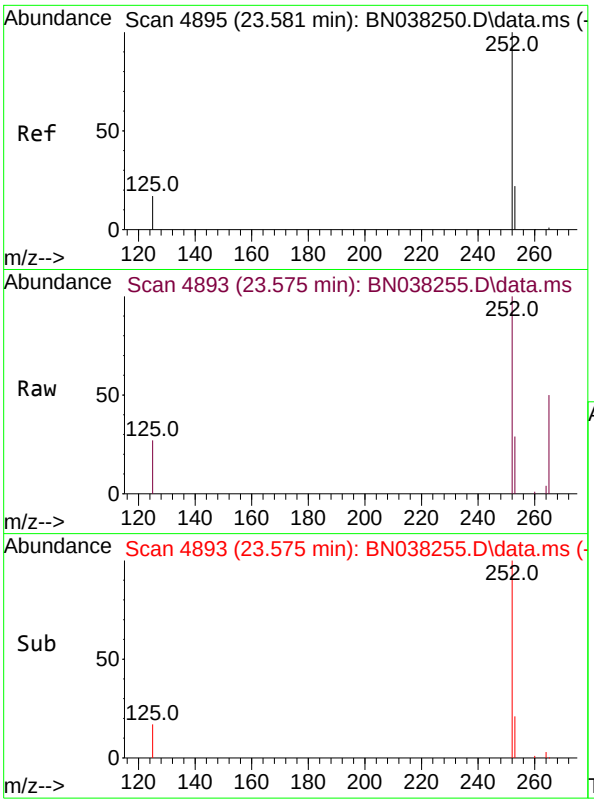


#25
Benzo(k)fluoranthene
Concen: 0.458 ng/ul
RT: 23.026 min Scan# 4705
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:252 Resp: 22929

Ion	Ratio	Lower	Upper
252	100		
253	26.6	22.9	34.3
125	20.1	17.7	26.5



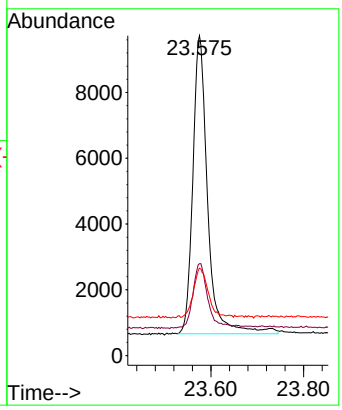


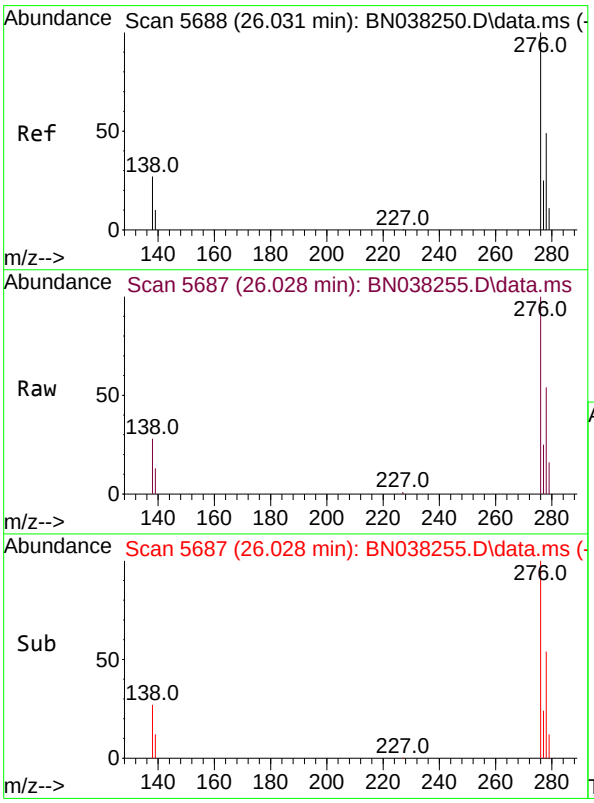
#26
Benzo(a)pyrene
Concen: 0.466 ng/ul
RT: 23.575 min Scan# 48
Delta R.T. -0.006 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:252 Resp: 19996

Ion	Ratio	Lower	Upper
252	100		
253	28.7	25.9	38.9
125	27.3	24.6	37.0

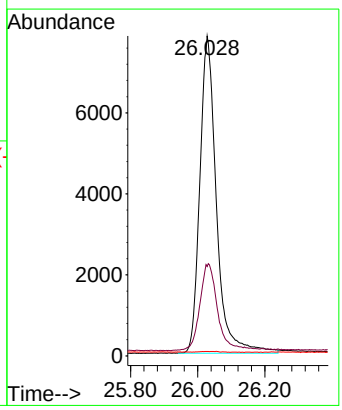


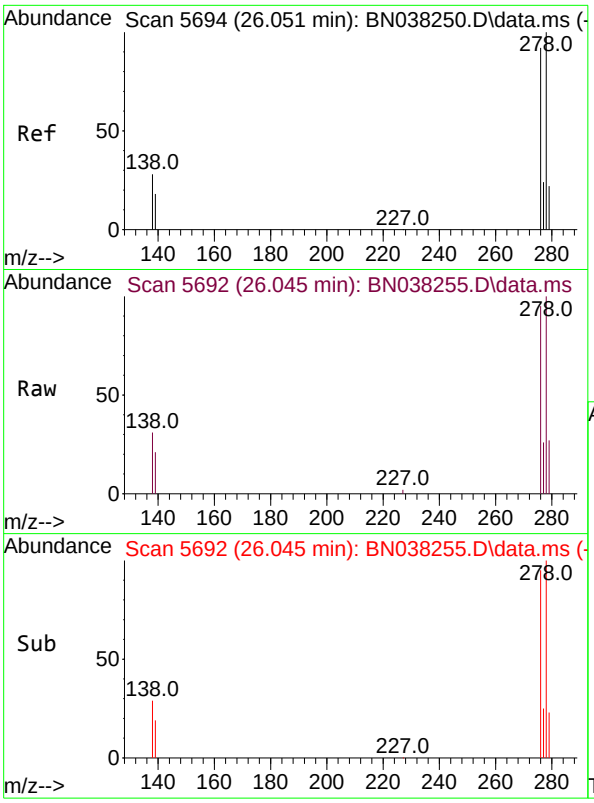


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.526 ng/ul
RT: 26.028 min Scan# 5687
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:276 Resp: 26870

Ion	Ratio	Lower	Upper
276	100		
138	29.7	22.9	34.3
227	0.0	0.0	0.0



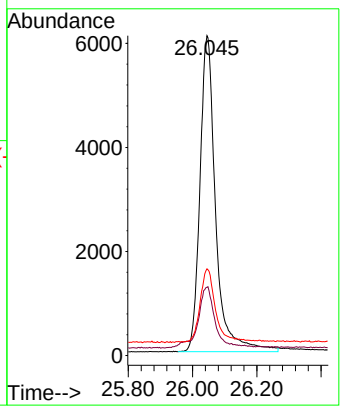


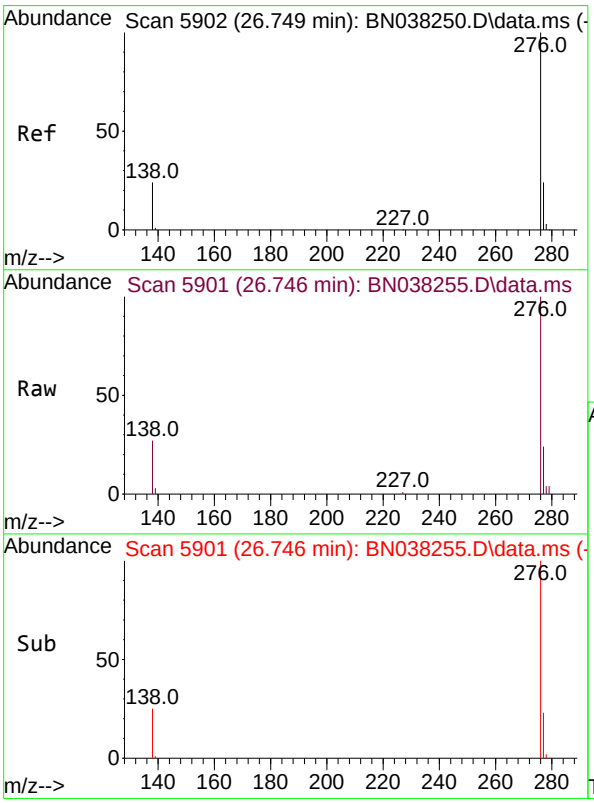
#28
Dibenzo(a,h)anthracene
Concen: 0.575 ng/ul
RT: 26.045 min Scan# 5
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Tgt Ion:278 Resp: 20630

Ion	Ratio	Lower	Upper
278	100		
139	21.4	18.1	27.1
279	27.1	25.0	37.4





#29
Benzo(g,h,i)perylene
Concen: 0.470 ng/ul
RT: 26.746 min Scan# 5901
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:276 Resp: 22595

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.6	32.4
277	24.3	19.8	29.6