Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020425\
Data File : BN036278.D
Acq On : 05 Feb 2025 02:31
Operator : RC/JU
Sample : Q1202-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Quant Time: Feb 05 08:15:59 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 : Mon Feb 03 12:27:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.779	152	2906	0.400	ng/ul	0.00
4) Naphthalene-d8	10.566	136	6859	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.417	164	3994	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.161	188	8335	0.400	ng/ul	-0.01
17) Chrysene-d12	21.348	240	8209	0.400	ng/ul	#-0.01
23) Perylene-d12	23.631	264	8628	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.260	96	781	0.245	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	3490	0.403	ng/ul	0.00
18) Fluoranthene-d10	19.192	212	9057	0.401	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.294	88	2373	0.699	ng/ul	99
5) Naphthalene	10.621	128	6737	0.357	ng/ul	100
7) 2-Methylnaphthalene	12.238	142	4320	0.368	ng/ul	100
8) 1-Methylnaphthalene	12.452	142	4415	0.371	ng/ul	100
10) Acenaphthylene	14.135	152	6294	0.334	ng/ul	98
11) Acenaphthene	14.482	153	4944	0.357	ng/ul	98
12) Fluorene	15.467	166	5653	0.369	ng/ul	100
14) Pentachlorophenol	16.819	266	2179	0.746	ng/ul	99
15) Phenanthrene	17.204	178	9329	0.382	ng/ul	99
16) Anthracene	17.297	178	10427	0.460	ng/ul	99
19) Fluoranthene	19.220	202	11129	0.357	ng/ul	95
20) Pyrene	19.582	202	11581	0.356	ng/ul#	95
21) Benzo(a)anthracene	21.331	228	11348	0.387	ng/ul	99
22) Chrysene	21.383	228	11715	0.391	ng/ul	99
24) Benzo(b)fluoranthene	22.944	252	11468	0.398	ng/ul	90
25) Benzo(k)fluoranthene	22.988	252	11596	0.383	ng/ul#	91
26) Benzo(a)pyrene	23.531	252	9884	0.380	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	25.954	276	13275	0.386	ng/ul	95
28) Dibenzo(a,h)anthracene	25.971	278	10387	0.392	ng/ul	96
29) Benzo(g,h,i)perylene	26.665	276	10292	0.385	ng/ul	98

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

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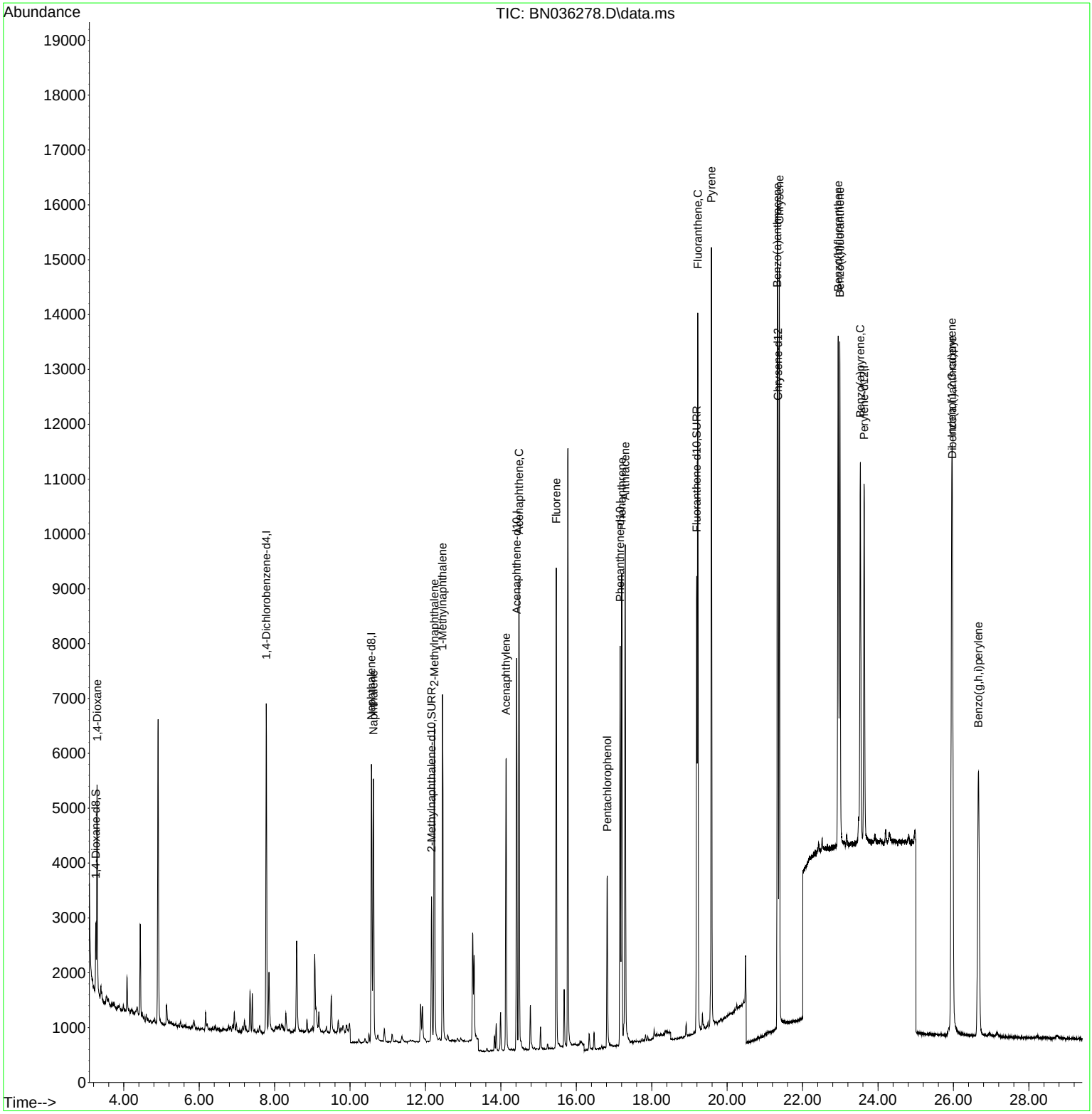
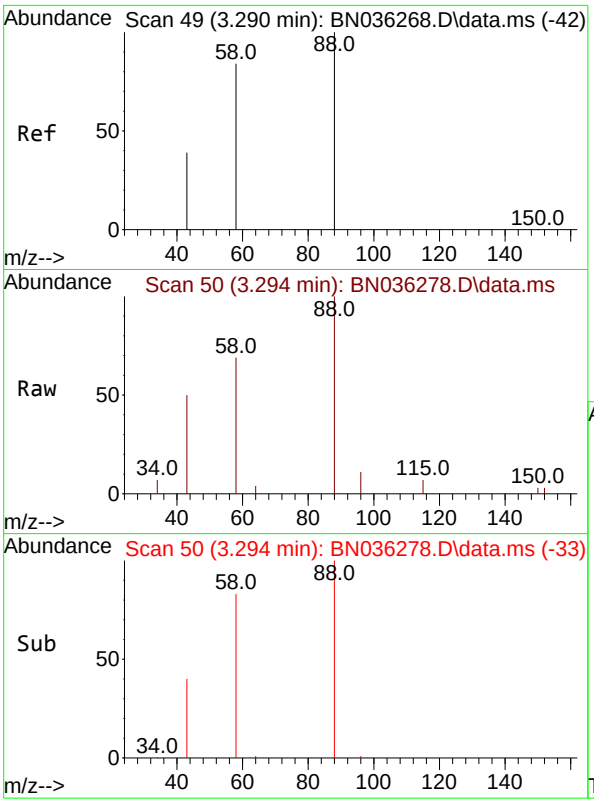
Instrument :
BNA_N
ClientSampleId :
E2975MSD

Quant Time: Feb 05 08:15:59 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 : Mon Feb 03 12:27:24 2025
Response via : Initial Calibration



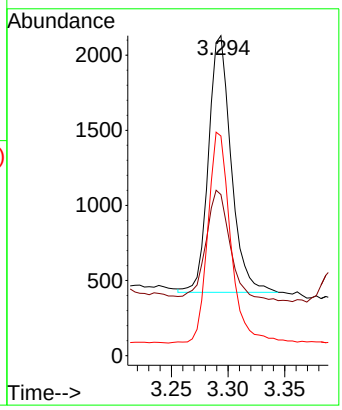


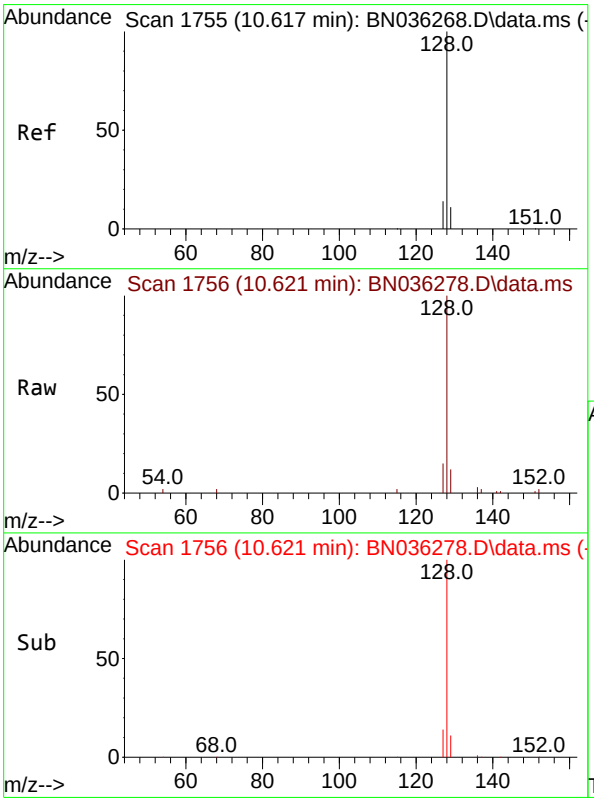
#2
1,4-Dioxane
Concen: 0.699 ng/ul
RT: 3.294 min Scan# 5
Delta R.T. 0.001 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion: 88 Resp: 2373

Ion	Ratio	Lower	Upper
88	100		
43	50.3	40.7	61.1
58	68.6	55.2	82.8

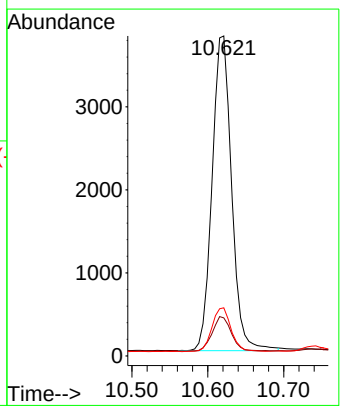


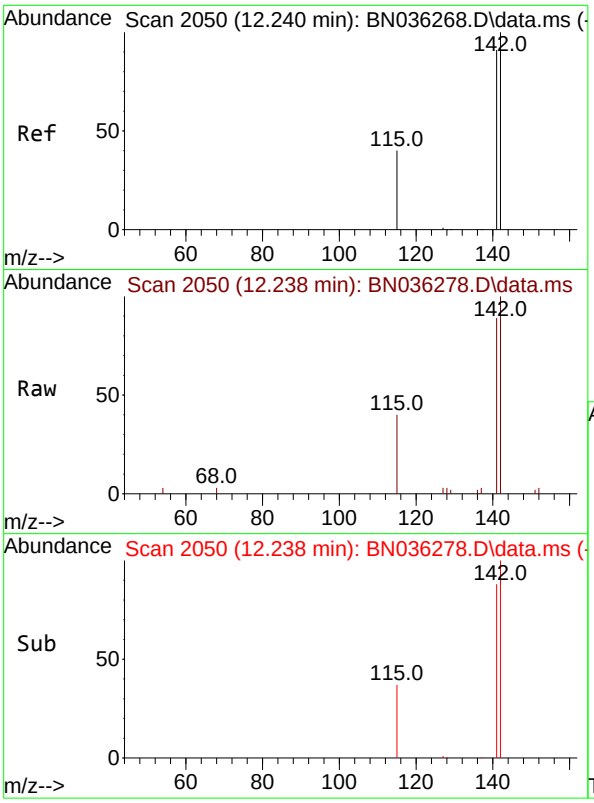


#5
Naphthalene
Concen: 0.357 ng/ul
RT: 10.621 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:128 Resp: 6737

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	15.0	12.0	18.0



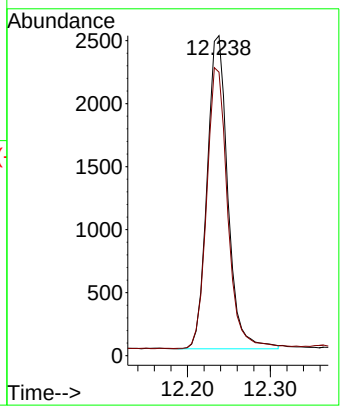


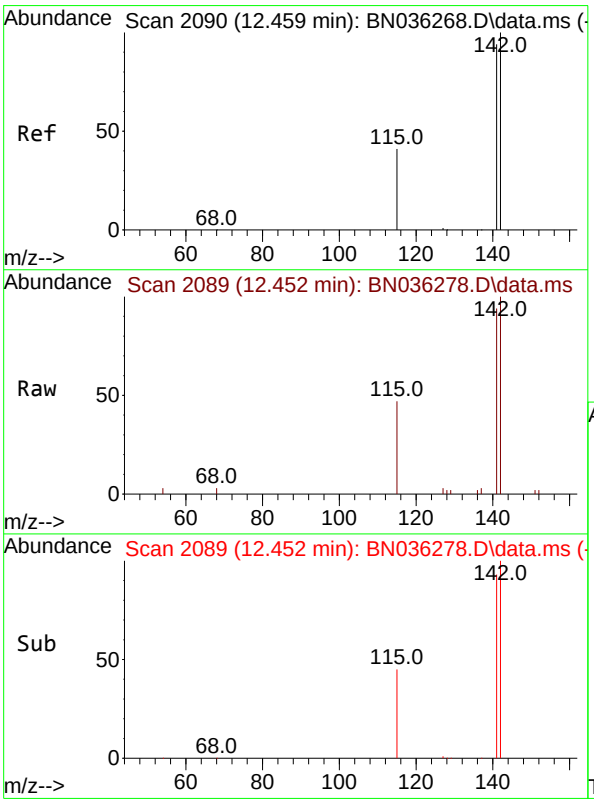
#7
2-Methylnaphthalene
Concen: 0.368 ng/ul
RT: 12.238 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:142 Resp: 4320

Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.9	107.9

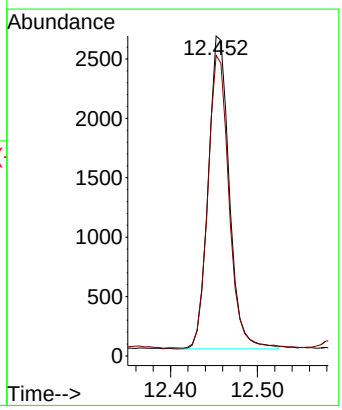


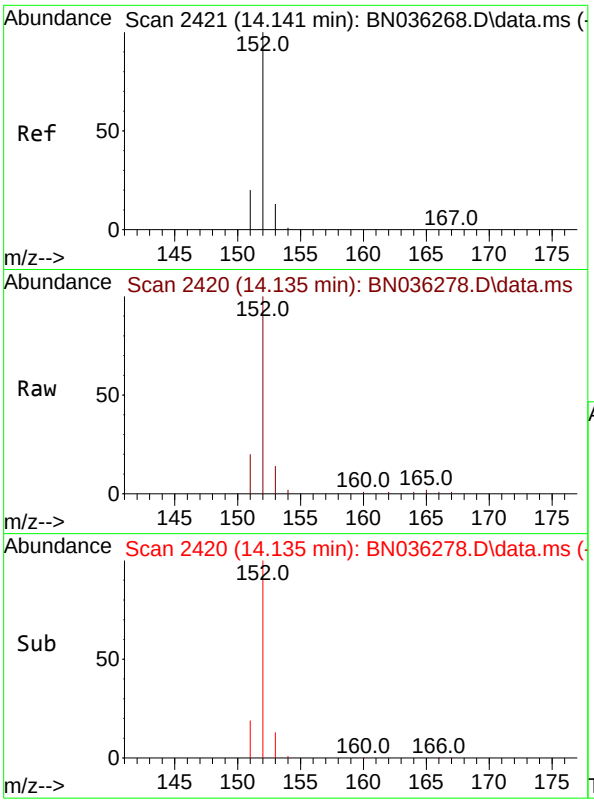


#8
1-Methylnaphthalene
Concen: 0.371 ng/ul
RT: 12.452 min Scan# 2089
Delta R.T. -0.012 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:142 Resp: 4415

Ion	Ratio	Lower	Upper
142	100		
141	93.8	75.2	112.8



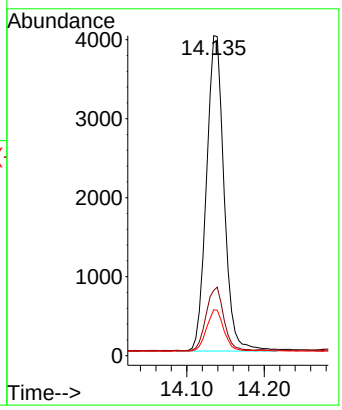


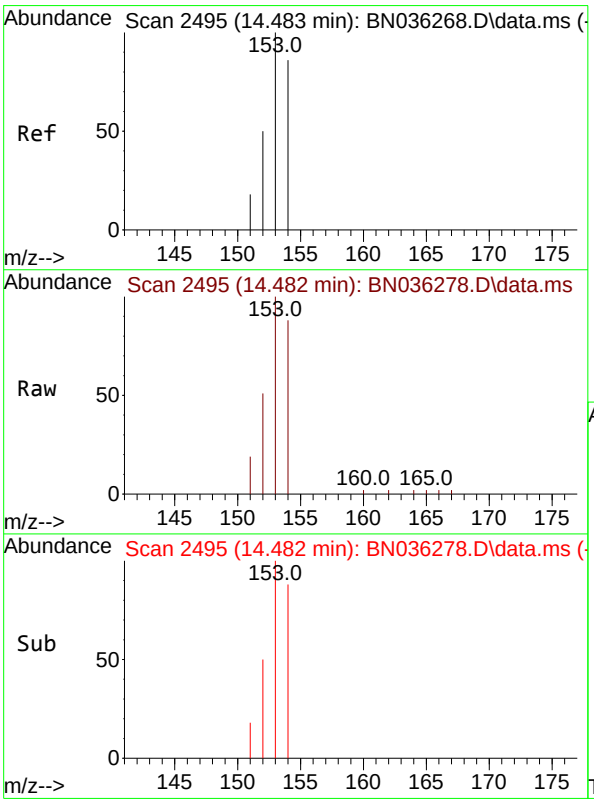
#10
Acenaphthylene
Concen: 0.334 ng/ul
RT: 14.135 min Scan# 24
Delta R.T. -0.010 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:152 Resp: 6294

Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.4	26.2
153	14.3	11.9	17.9

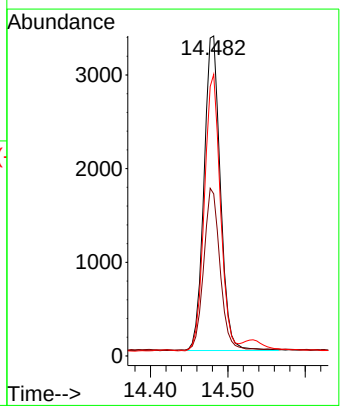


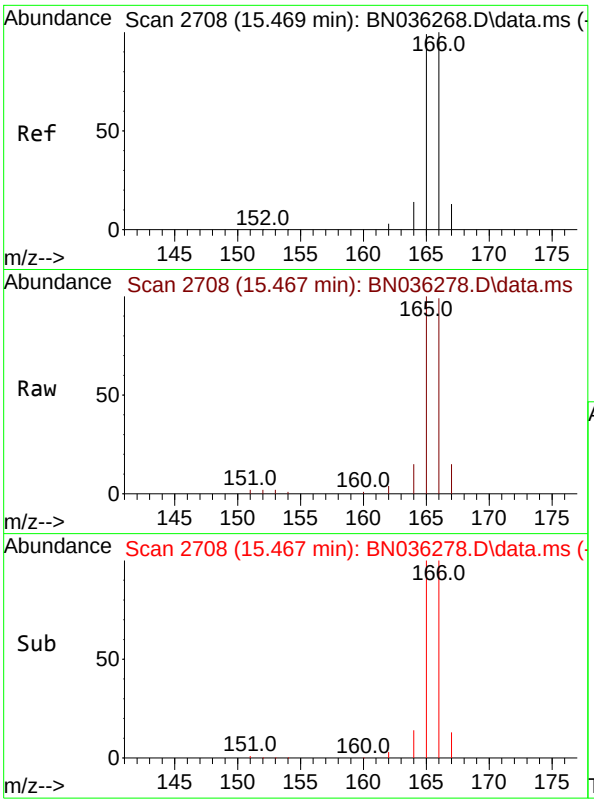


#11
Acenaphthene
Concen: 0.357 ng/ul
RT: 14.482 min Scan# 2495
Delta R.T. -0.010 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:153 Resp: 4944

Ion	Ratio	Lower	Upper
153	100		
152	50.6	43.2	64.8
154	88.0	70.5	105.7



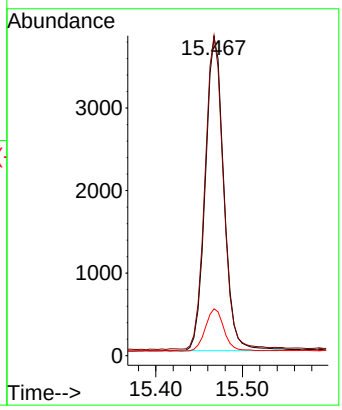


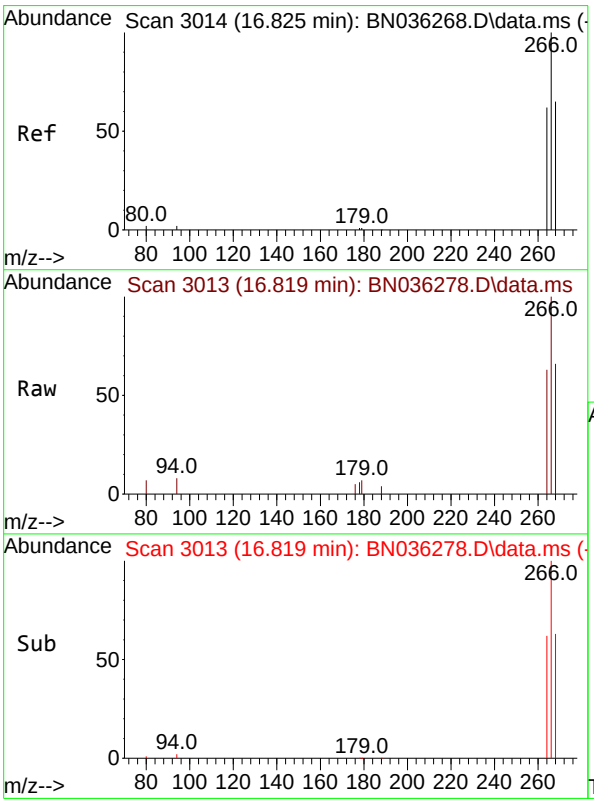
#12
Fluorene
Concen: 0.369 ng/ul
RT: 15.467 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:166 Resp: 5653

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.3	120.5
167	14.8	12.3	18.5

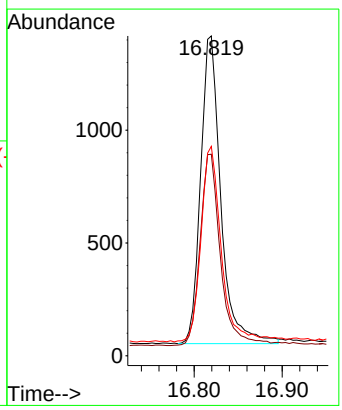


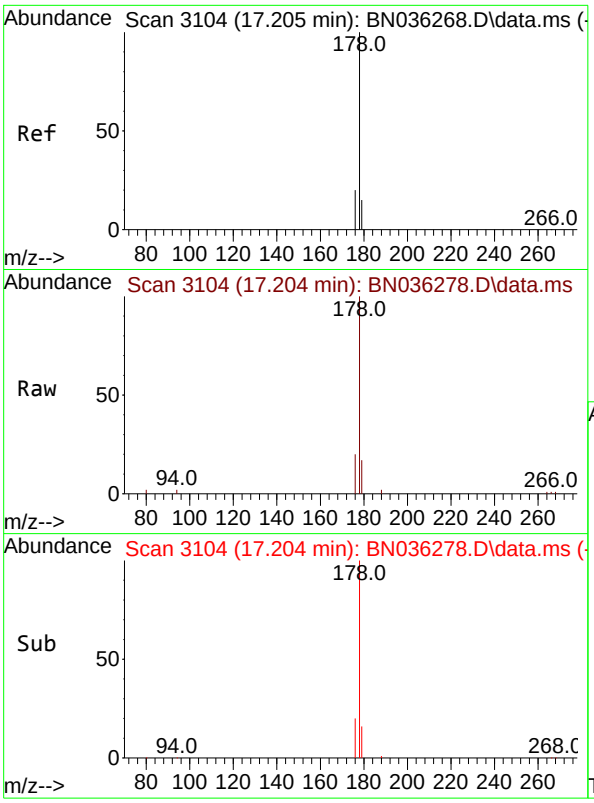


#14
Pentachlorophenol
Concen: 0.746 ng/ul
RT: 16.819 min Scan# 3013
Delta R.T. -0.009 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:266 Resp: 2179

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.6	75.8
268	64.2	50.6	75.8



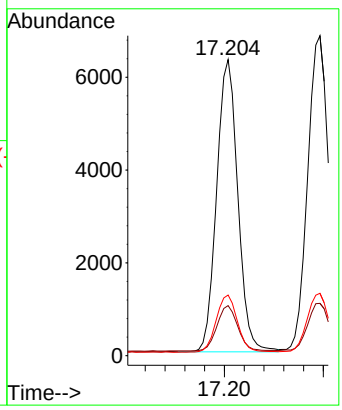


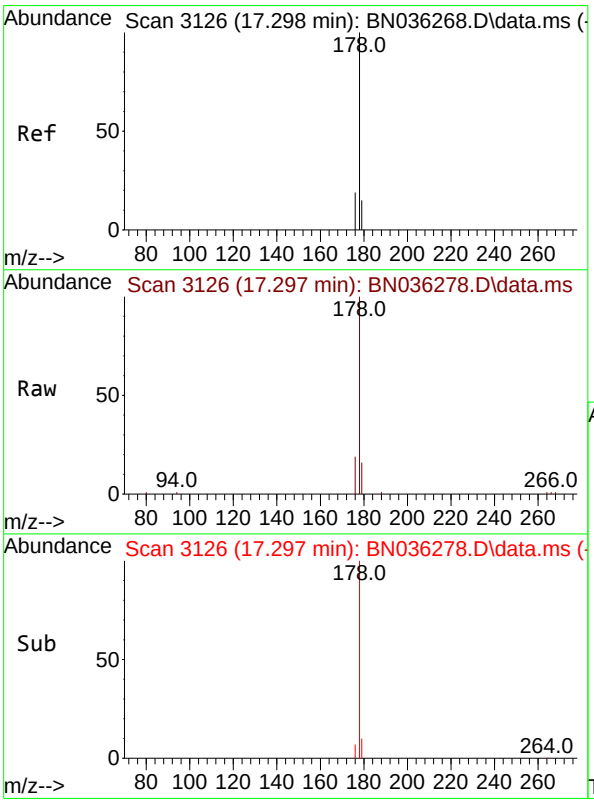
#15
Phenanthrene
Concen: 0.382 ng/ul
RT: 17.204 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:178 Resp: 9329

Ion	Ratio	Lower	Upper
178	100		
179	16.9	13.2	19.8
176	20.5	16.8	25.2

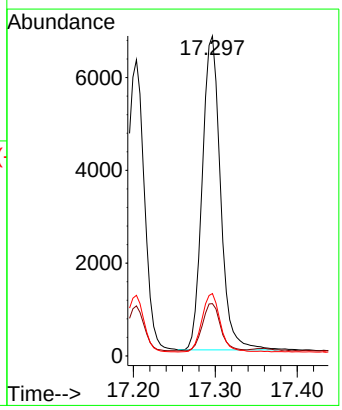


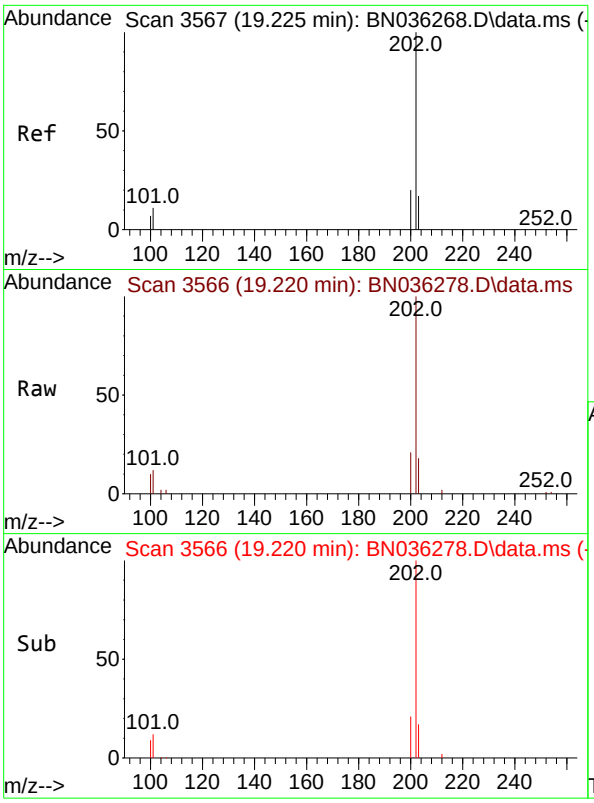


#16
Anthracene
Concen: 0.460 ng/ul
RT: 17.297 min Scan# 3126
Delta R.T. -0.009 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:178 Resp: 10427

Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.0	19.4
176	19.5	15.9	23.9



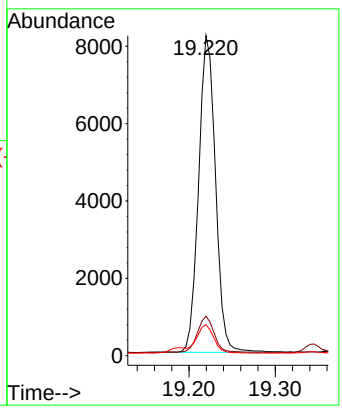


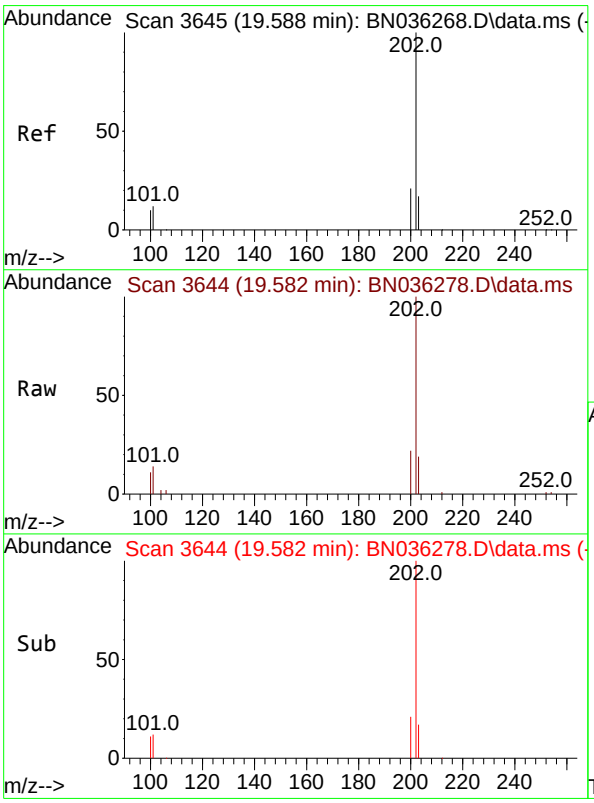
#19
Fluoranthene
Concen: 0.357 ng/ul
RT: 19.220 min Scan# 3
Delta R.T. -0.014 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:202 Resp: 11129

Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.4	12.6
100	9.7	6.5	9.7

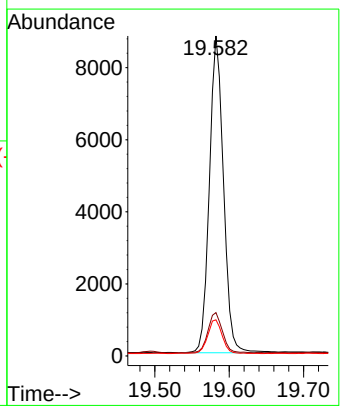


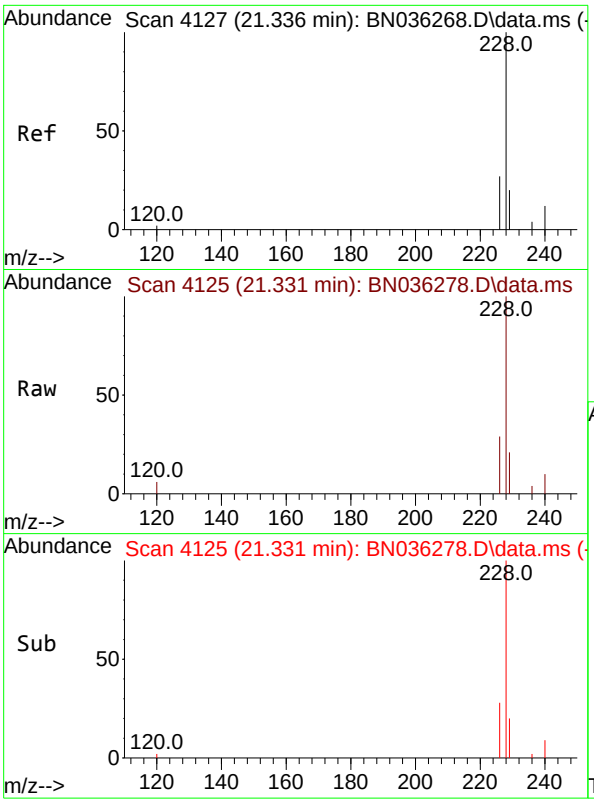


#20
Pyrene
Concen: 0.356 ng/ul
RT: 19.582 min Scan# 3644
Delta R.T. -0.014 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:202 Resp: 11581

Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.3	13.9
100	11.3	7.5	11.3#



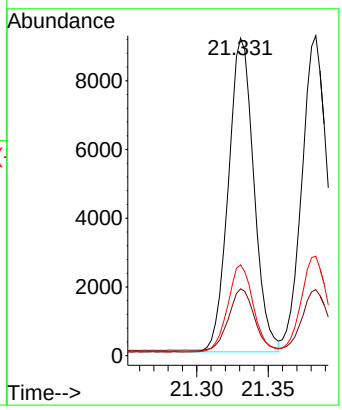


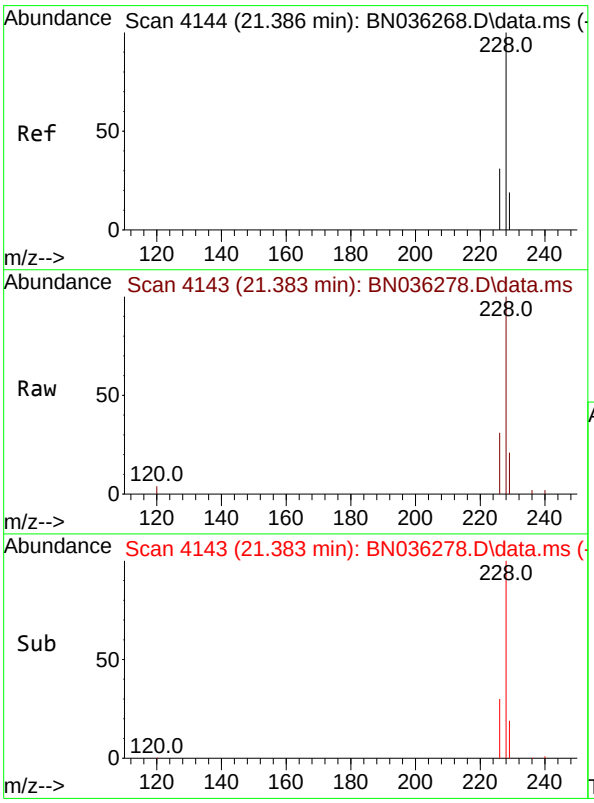
#21
Benzo(a)anthracene
Concen: 0.387 ng/ul
RT: 21.331 min Scan# 4
Delta R.T. -0.015 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:228 Resp: 11348

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.9	23.9
226	28.6	22.8	34.2

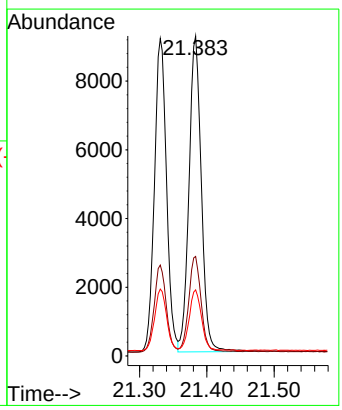


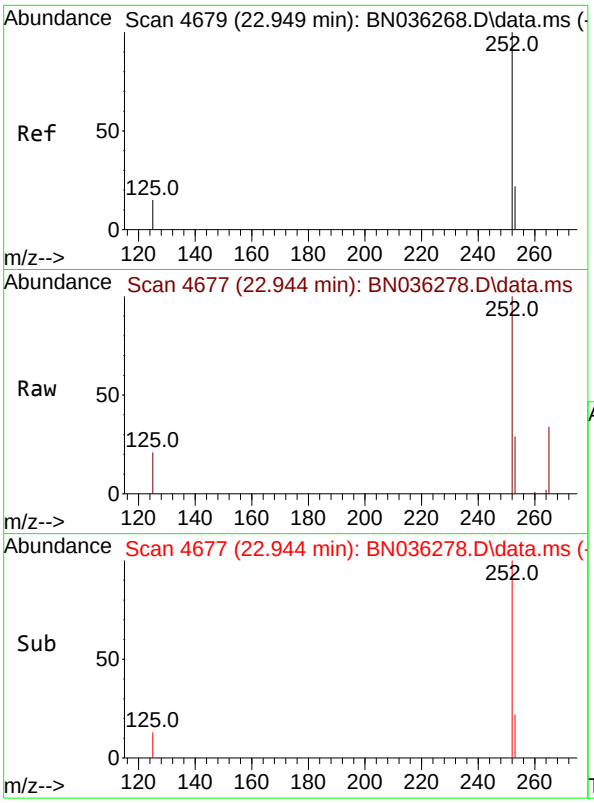


#22
Chrysene
Concen: 0.391 ng/ul
RT: 21.383 min Scan# 4143
Delta R.T. -0.015 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:228 Resp: 11715

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	20.7	15.9	23.9



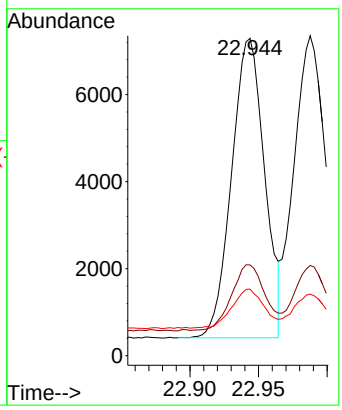


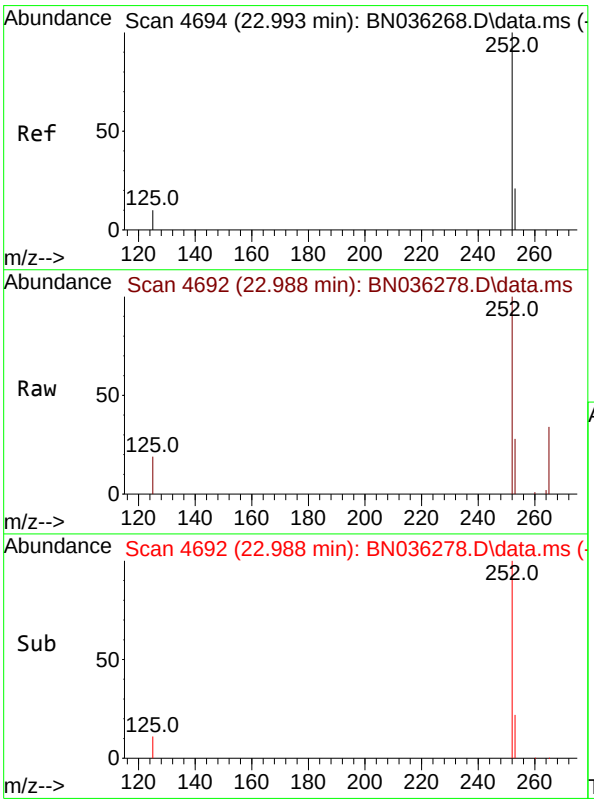
#24
Benzo(b)fluoranthene
Concen: 0.398 ng/ul
RT: 22.944 min Scan# 4
Delta R.T. -0.018 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:252 Resp: 11468

Ion	Ratio	Lower	Upper
252	100		
253	28.6	0.0	51.2
125	21.0	0.0	27.8

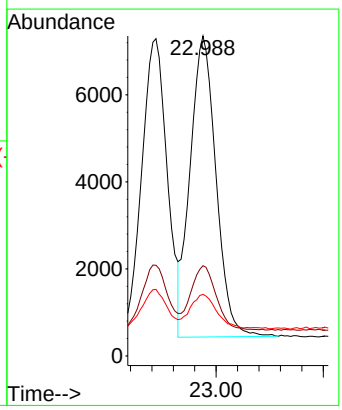


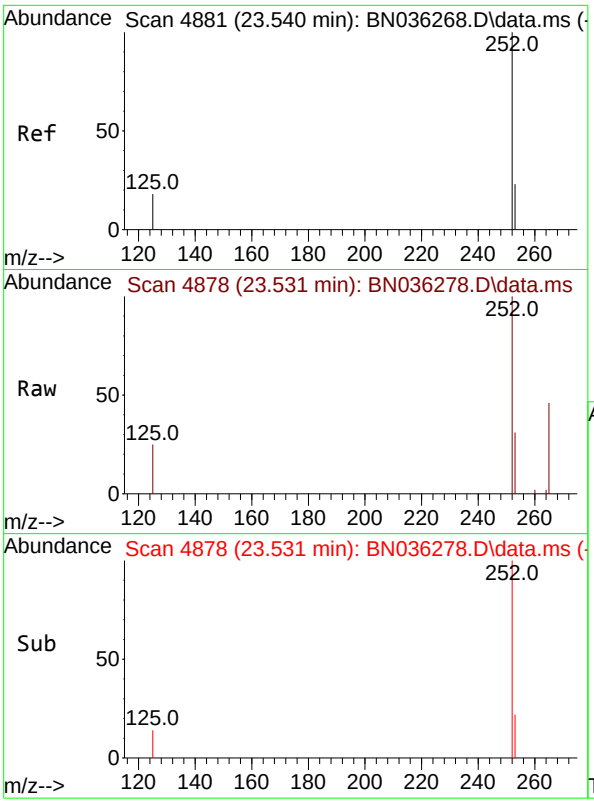


#25
Benzo(k)fluoranthene
Concen: 0.383 ng/ul
RT: 22.988 min Scan# 4692
Delta R.T. -0.021 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:252 Resp: 11596

Ion	Ratio	Lower	Upper
252	100		
253	28.2	20.2	30.4
125	19.2	10.6	16.0#



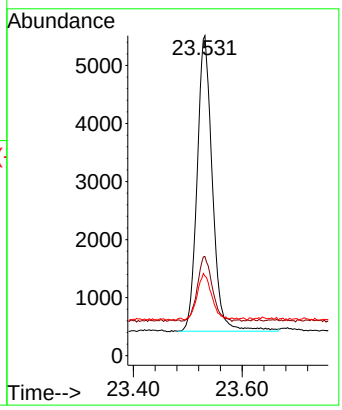


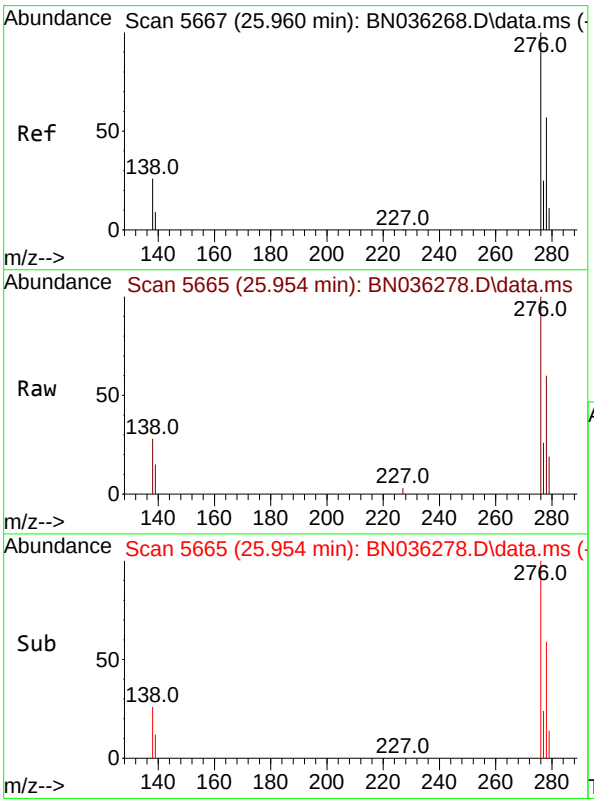
#26
Benzo(a)pyrene
Concen: 0.380 ng/ul
RT: 23.531 min Scan# 4
Delta R.T. -0.024 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:252 Resp: 9884

Ion	Ratio	Lower	Upper
252	100		
253	31.0	22.2	33.4
125	24.9	13.1	19.7#

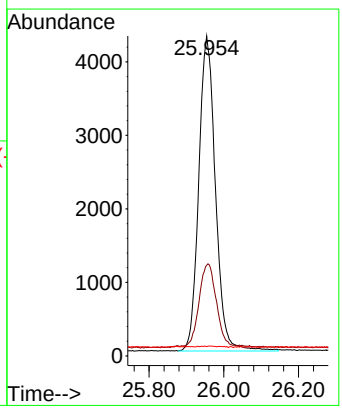


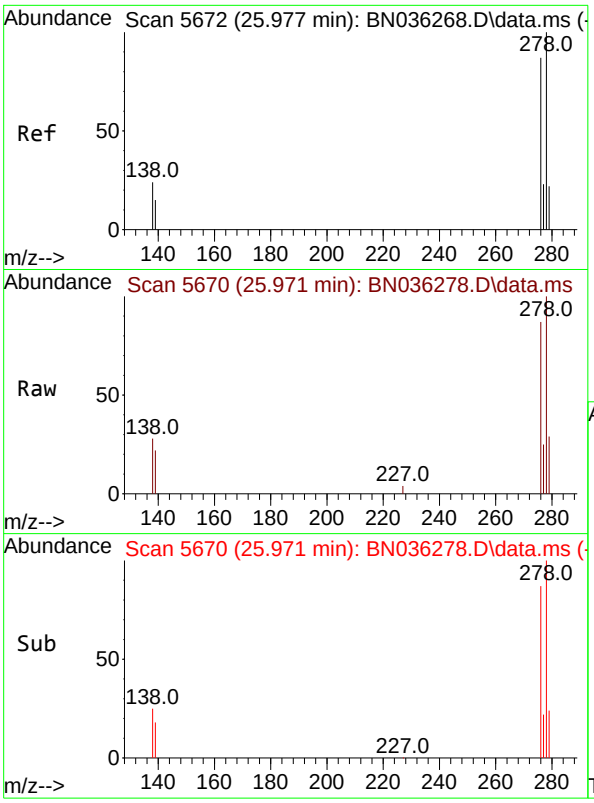


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng/ul
RT: 25.954 min Scan# 5665
Delta R.T. -0.034 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:276 Resp: 13275

Ion	Ratio	Lower	Upper
276	100		
138	28.0	20.2	30.4
227	0.1	0.1	0.1



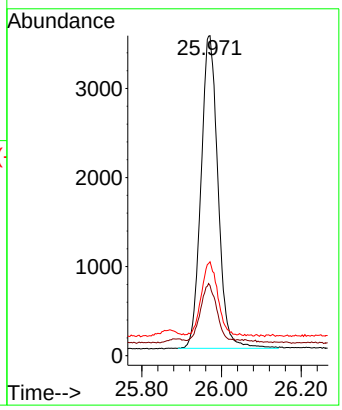


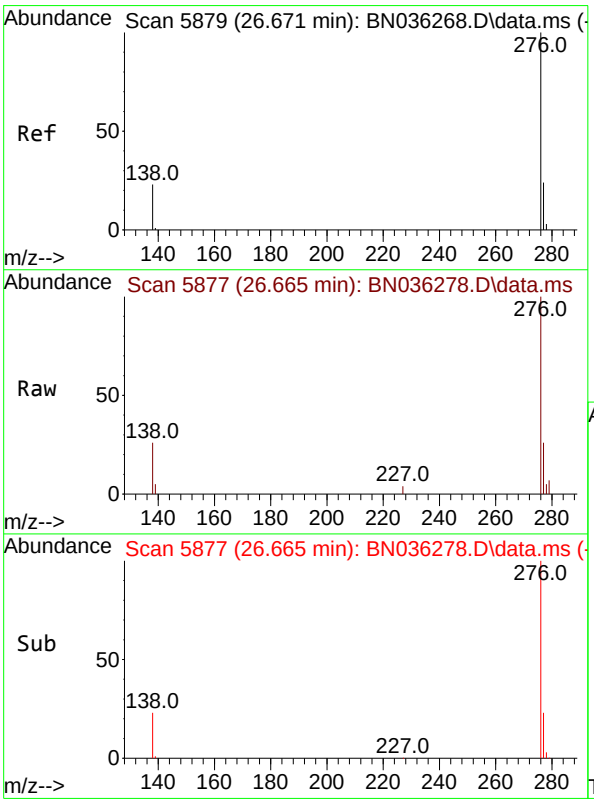
#28
Dibenzo(a,h)anthracene
Concen: 0.392 ng/ul
RT: 25.971 min Scan# 5
Delta R.T. -0.027 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Instrument :
BNA_N
ClientSampleId :
E2975MSD

Tgt Ion:278 Resp: 10387

Ion	Ratio	Lower	Upper
278	100		
139	21.9	15.4	23.2
279	29.4	22.2	33.4





#29
Benzo(g,h,i)perylene
Concen: 0.385 ng/ul
RT: 26.665 min Scan# 5877
Delta R.T. -0.037 min
Lab File: BN036278.D
Acq: 05 Feb 2025 02:31

Tgt Ion:276 Resp: 10292

Ion	Ratio	Lower	Upper
276	100		
138	25.9	19.4	29.0
277	25.8	21.1	31.7