Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051225\
Data File : BN036986.D
Acq On : 12 May 2025 16:07
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: May 12 17:53:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 12 17:44:09 2025
Response via : Initial Calibration

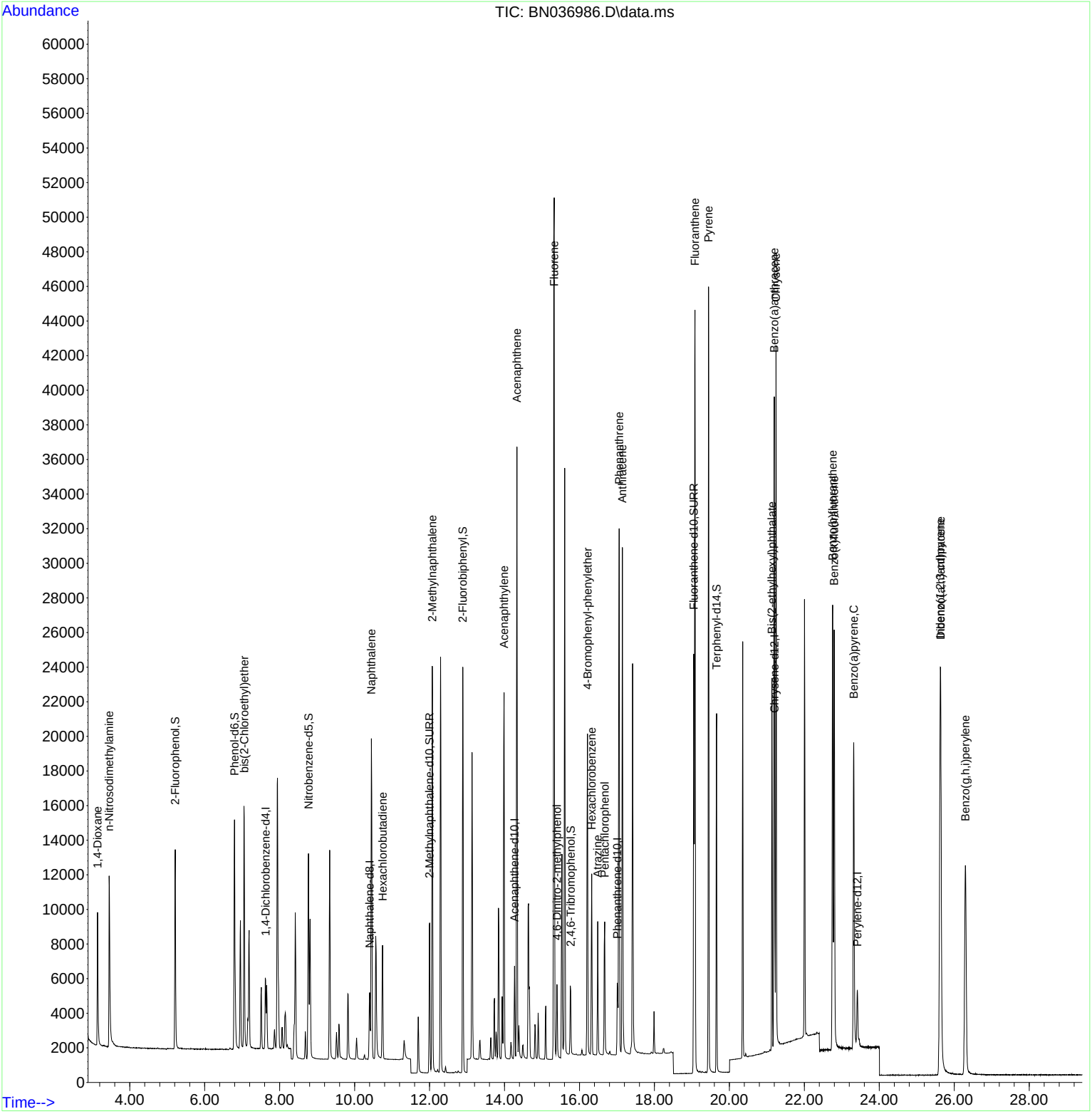
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.625	152	1916	0.40	ng		0.00
7) Naphthalene-d8	10.404	136	4821	0.40	ng		0.00
13) Acenaphthene-d10	14.267	164	2810	0.40	ng		0.00
19) Phenanthrene-d10	17.009	188	5692	0.40	ng		0.00
29) Chrysene-d12	21.206	240	4903	0.40	ng		0.00
35) Perylene-d12	23.415	264	4252	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.213	112	7920	1.60	ng		0.00
5) Phenol-d6	6.795	99	9795	1.64	ng		0.00
8) Nitrobenzene-d5	8.771	82	8749	1.72	ng		0.00
11) 2-Methylnaphthalene-d10	12.001	152	11533	1.70	ng		0.00
14) 2,4,6-Tribromophenol	15.767	330	2159	1.68	ng		0.00
15) 2-Fluorobiphenyl	12.888	172	22247	1.70	ng		0.00
27) Fluoranthene-d10	19.049	212	25587	1.65	ng		0.00
31) Terphenyl-d14	19.658	244	18495	1.67	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.140	88	4055	1.63	ng		98
3) n-Nitrosodimethylamine	3.451	42	8346	1.65	ng		99
6) bis(2-Chloroethyl)ether	7.055	93	9401	1.69	ng		99
9) Naphthalene	10.447	128	23450	1.67	ng		97
10) Hexachlorobutadiene	10.746	225	4985	1.66	ng	#	100
12) 2-Methylnaphthalene	12.072	142	15597	1.72	ng		98
16) Acenaphthylene	13.989	152	23271	1.69	ng		99
17) Acenaphthene	14.331	154	15270	1.69	ng		98
18) Fluorene	15.325	166	20324	1.68	ng		99
20) 4,6-Dinitro-2-methylph...	15.400	198	2596	1.78	ng	#	86
21) 4-Bromophenyl-phenylether	16.214	248	6197	1.68	ng		95
22) Hexachlorobenzene	16.326	284	6544	1.65	ng		99
23) Atrazine	16.487	200	5449	1.67	ng		93
24) Pentachlorophenol	16.673	266	3665	1.67	ng		97
25) Phenanthrene	17.058	178	31199	1.67	ng		99
26) Anthracene	17.145	178	28988	1.70	ng		100
28) Fluoranthene	19.082	202	37228	1.69	ng		99
30) Pyrene	19.444	202	37493	1.68	ng		99
32) Benzo(a)anthracene	21.198	228	31666	1.71	ng		98
33) Chrysene	21.242	228	32666	1.67	ng		99
34) Bis(2-ethylhexyl)phtha...	21.135	149	18017	1.58	ng		99
36) Indeno(1,2,3-cd)pyrene	25.626	276	28269	1.68	ng		97
37) Benzo(b)fluoranthene	22.755	252	30288	1.71	ng	#	91
38) Benzo(k)fluoranthene	22.795	252	30597	1.74	ng	#	91
39) Benzo(a)pyrene	23.319	252	25092	1.70	ng	#	84
40) Dibenzo(a,h)anthracene	25.637	278	22229	1.70	ng	#	91
41) Benzo(g,h,i)perylene	26.298	276	24121	1.66	ng		95

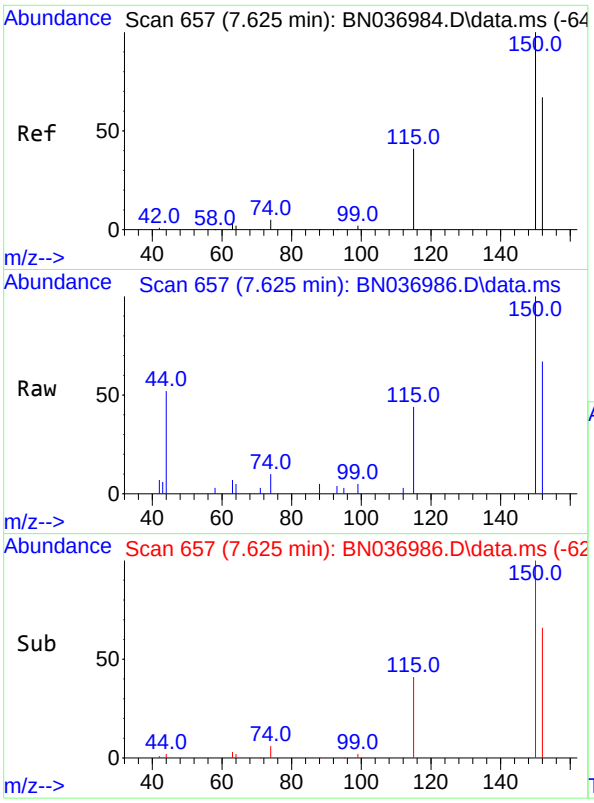
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051225\
Data File : BN036986.D
Acq On : 12 May 2025 16:07
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: May 12 17:53:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 12 17:44:09 2025
Response via : Initial Calibration



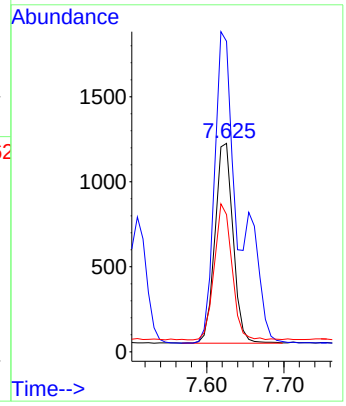


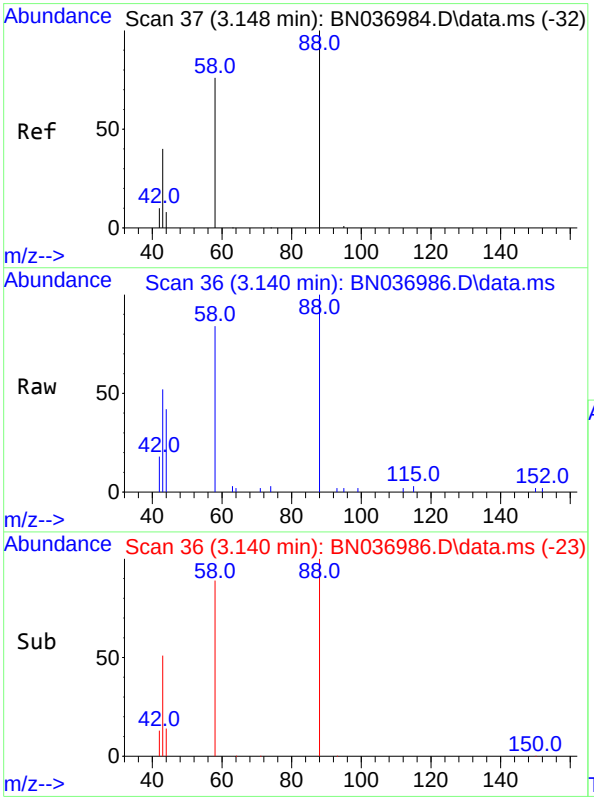
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.625 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 1916

Ion	Ratio	Lower	Upper
152	100		
150	149.0	118.2	177.4
115	65.8	52.5	78.7

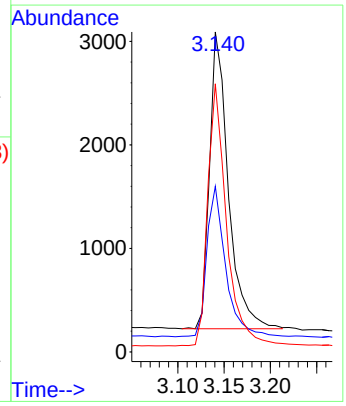


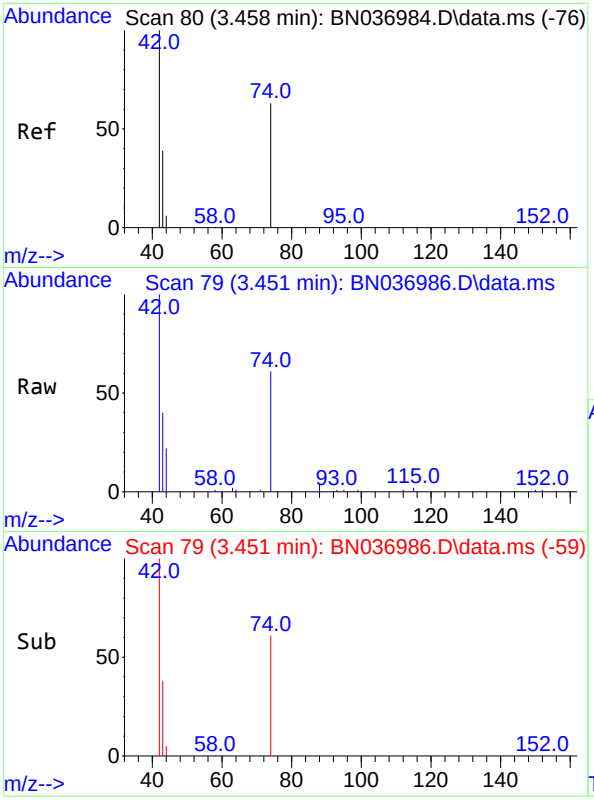


#2
1,4-Dioxane
Concen: 1.63 ng
RT: 3.140 min Scan# 36
Delta R.T. -0.007 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion: 88 Resp: 4055

Ion	Ratio	Lower	Upper
88	100		
43	50.6	43.3	64.9
58	88.2	70.7	106.1



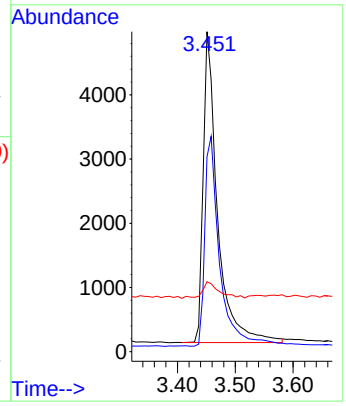


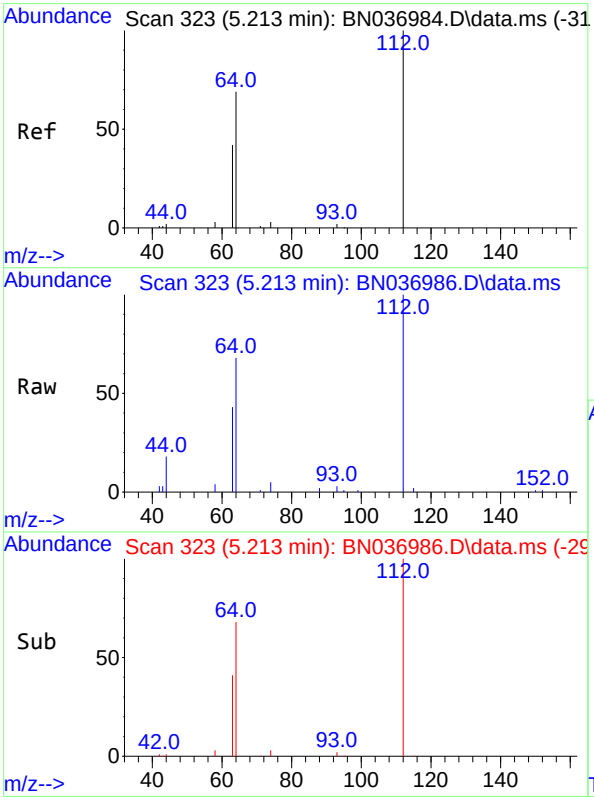
#3
n-Nitrosodimethylamine
Concen: 1.65 ng
RT: 3.451 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 8346

Ion	Ratio	Lower	Upper
42	100		
74	69.8	55.2	82.8
44	6.4	4.7	7.1

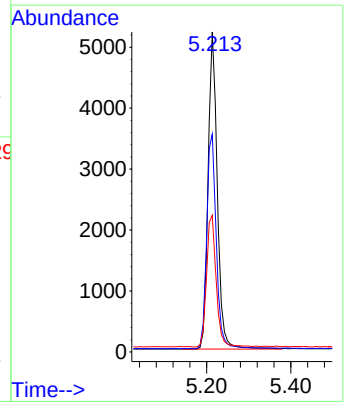


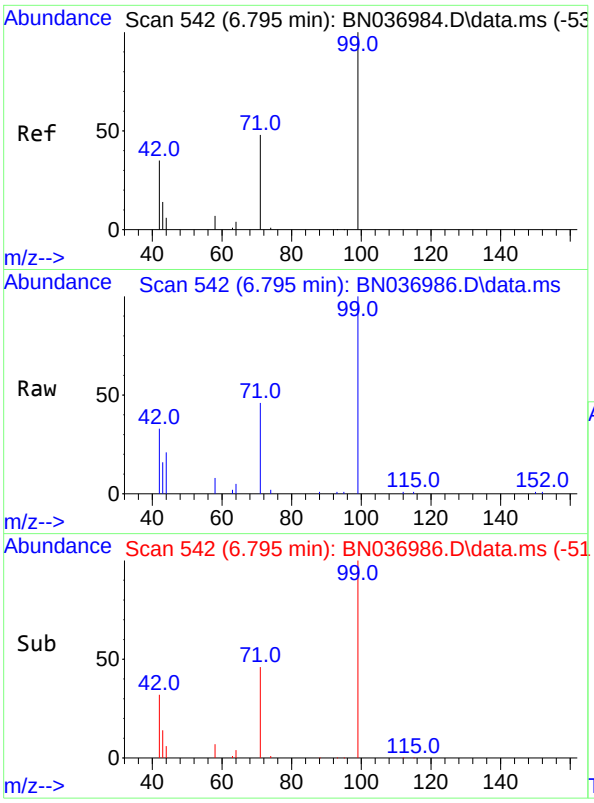


#4
2-Fluorophenol
Concen: 1.60 ng
RT: 5.213 min Scan# 323
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:112 Resp: 7920

Ion	Ratio	Lower	Upper
112	100		
64	70.2	56.2	84.2
63	43.4	34.3	51.5



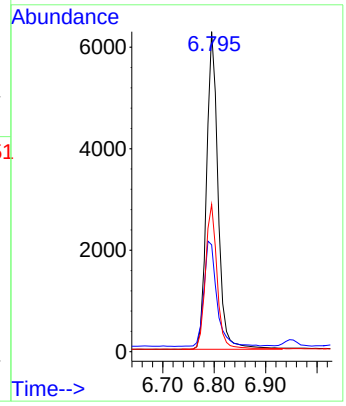


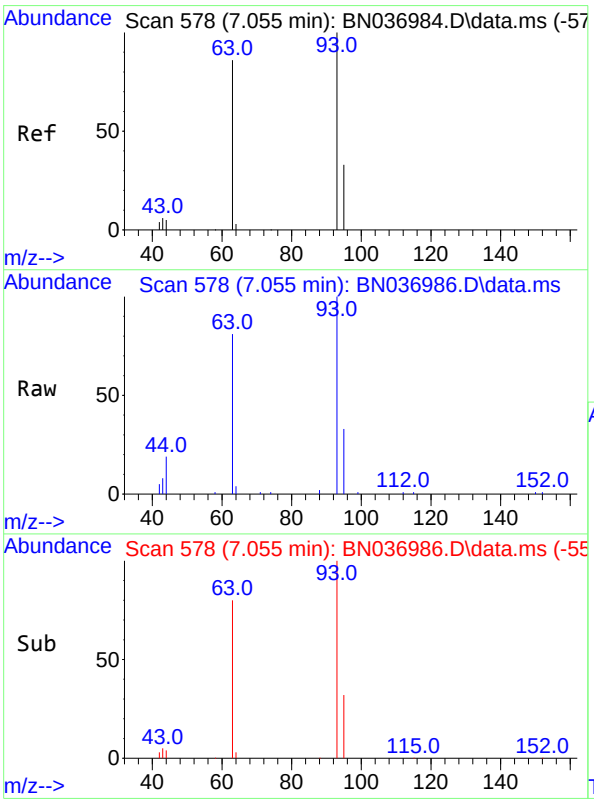
#5
Phenol-d6
Concen: 1.64 ng
RT: 6.795 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 9795

Ion	Ratio	Lower	Upper
99	100		
42	37.1	29.0	43.6
71	46.2	36.2	54.2

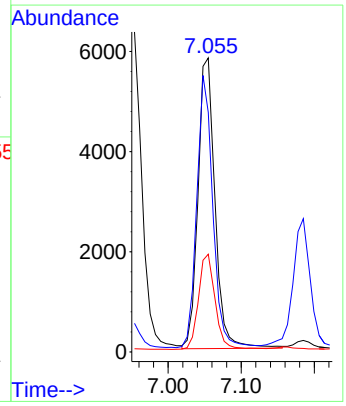


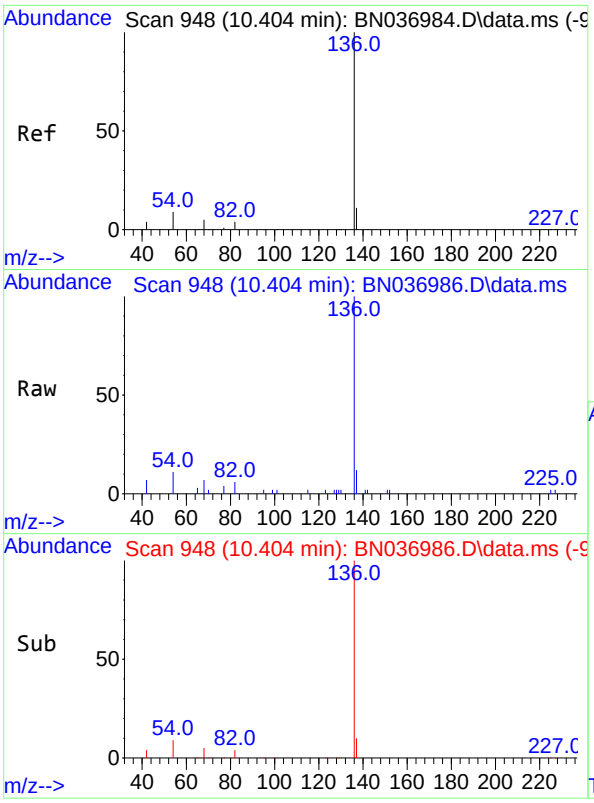


#6
bis(2-Chloroethyl)ether
Concen: 1.69 ng
RT: 7.055 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion: 93 Resp: 9401

Ion	Ratio	Lower	Upper
93	100		
63	87.7	69.6	104.4
95	32.1	25.1	37.7



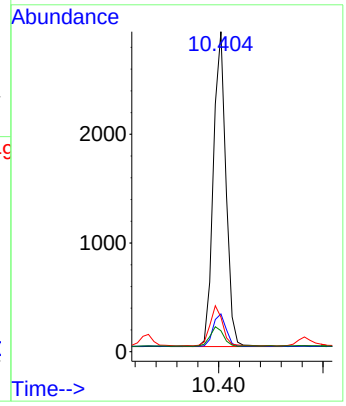


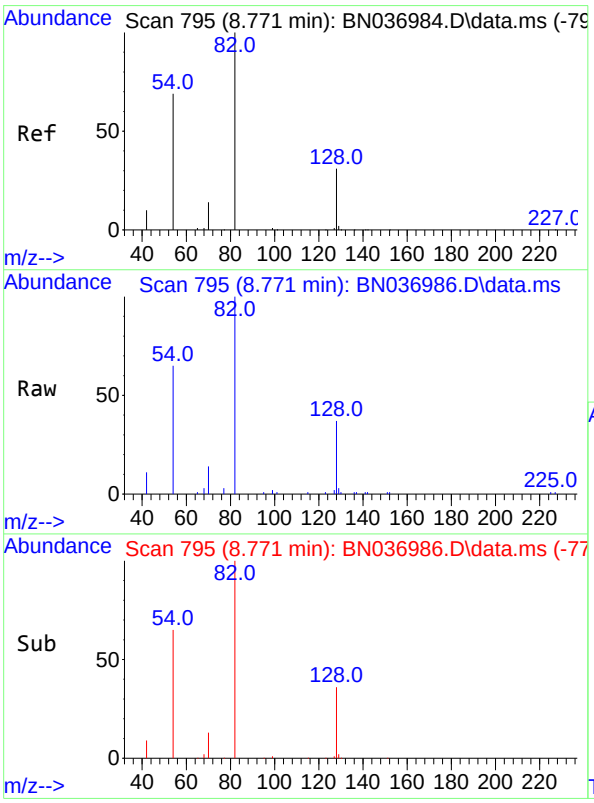
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 4821

Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.3	15.5
54	10.8	9.2	13.8
68	6.6	5.6	8.4

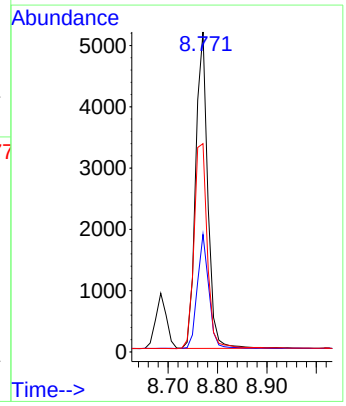


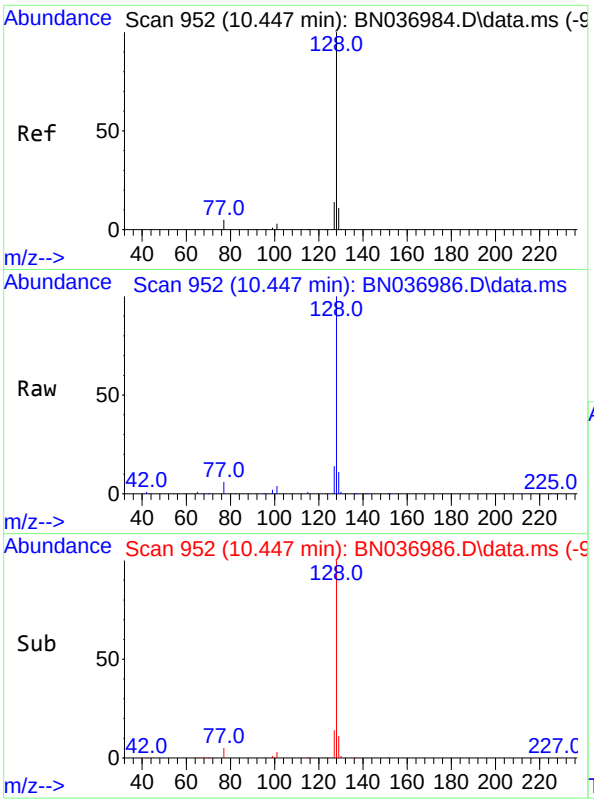


#8
Nitrobenzene-d5
Concen: 1.72 ng
RT: 8.771 min Scan# 795
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion: 82 Resp: 8749

Ion	Ratio	Lower	Upper
82	100		
128	36.8	28.1	42.1
54	65.1	56.4	84.6



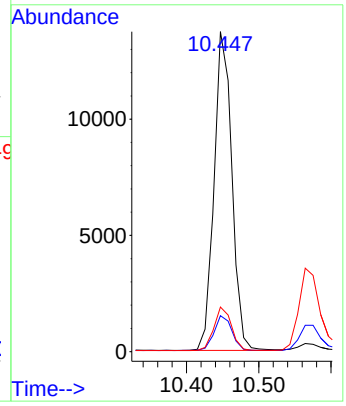


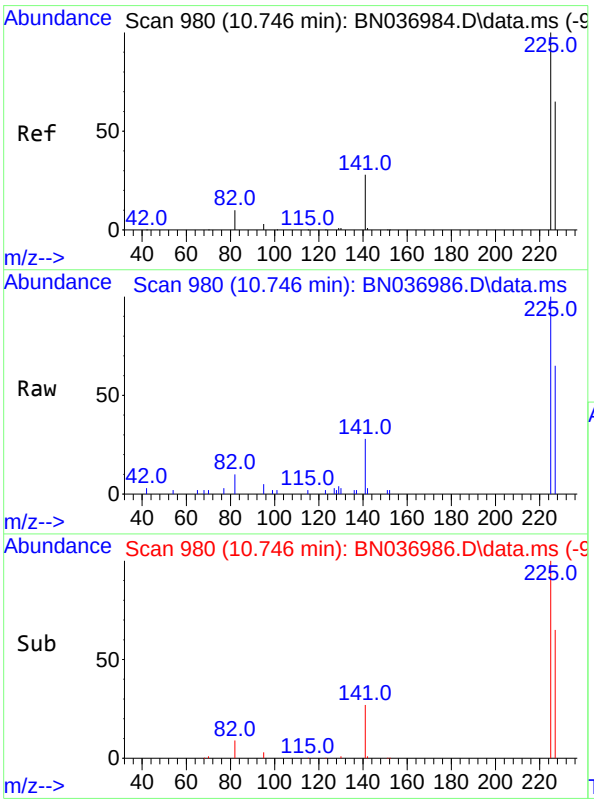
#9
Naphthalene
Concen: 1.67 ng
RT: 10.447 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 23450

Ion	Ratio	Lower	Upper
128	100		
129	11.3	10.0	15.0
127	13.9	12.1	18.1

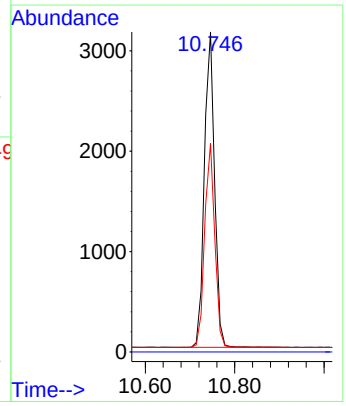


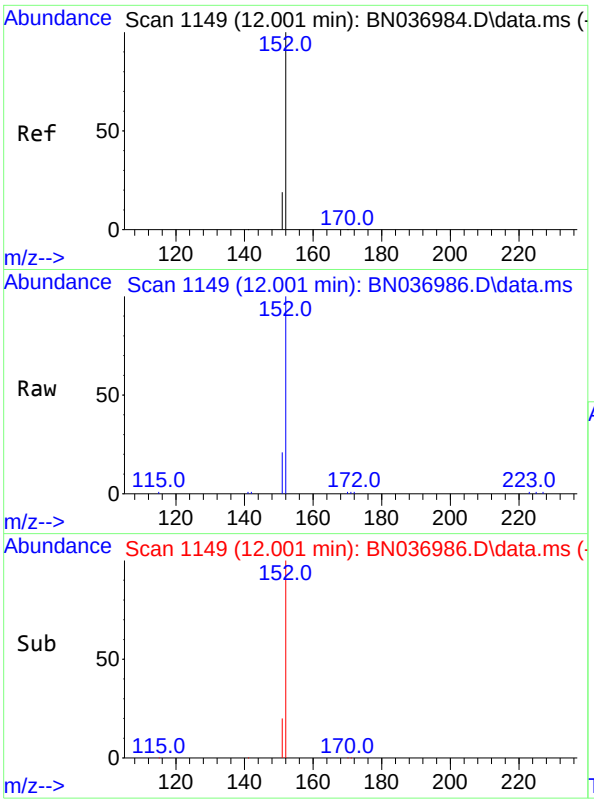


#10
Hexachlorobutadiene
Concen: 1.66 ng
RT: 10.746 min Scan# 980
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:225 Resp: 4985

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.2	76.8



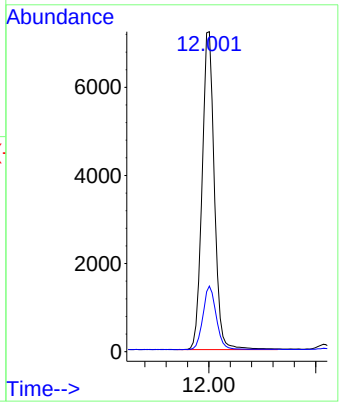


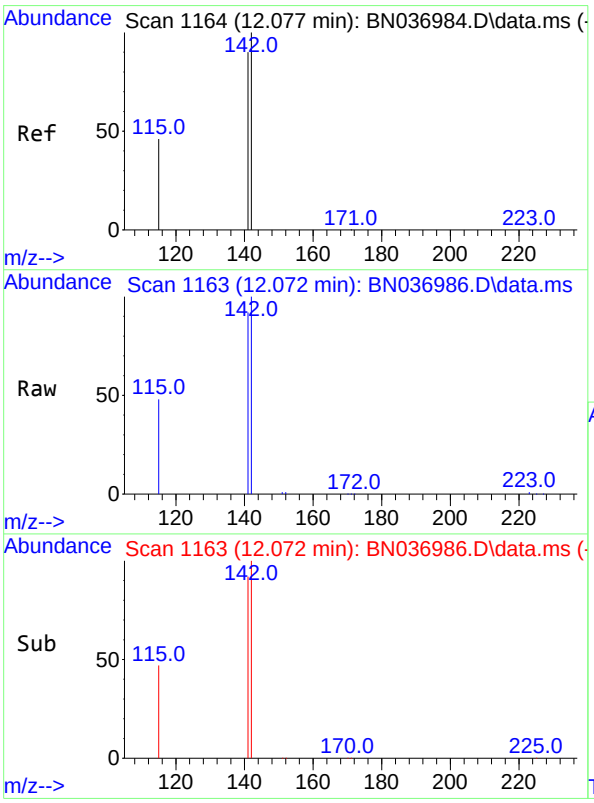
#11
2-Methylnaphthalene-d10
Concen: 1.70 ng
RT: 12.001 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 11533

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

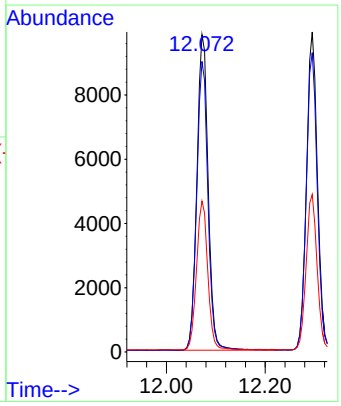


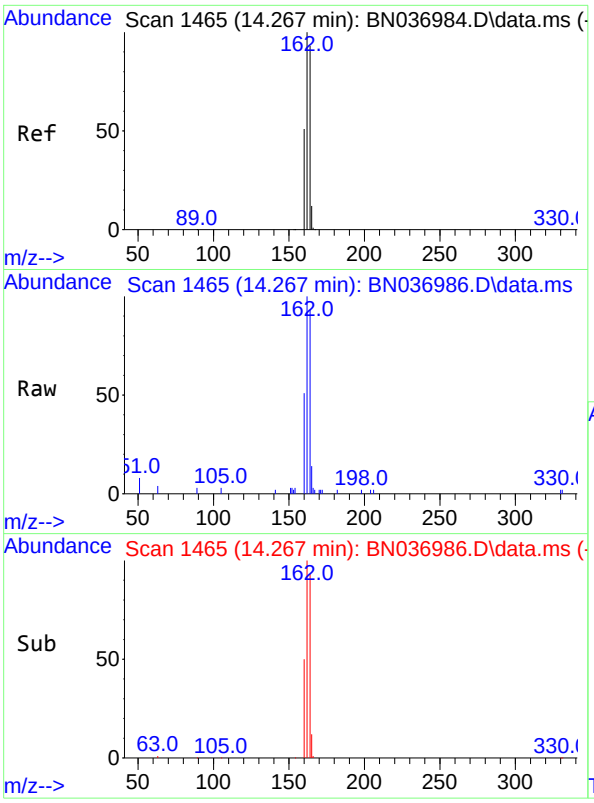


#12
2-Methylnaphthalene
Concen: 1.72 ng
RT: 12.072 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:142 Resp: 15597

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.8	107.8
115	47.6	38.6	58.0



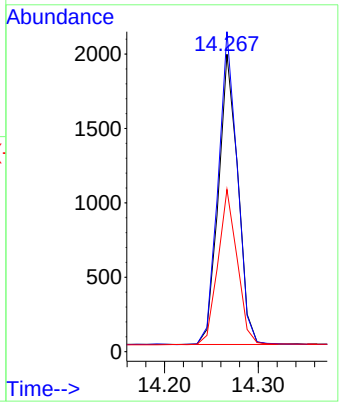


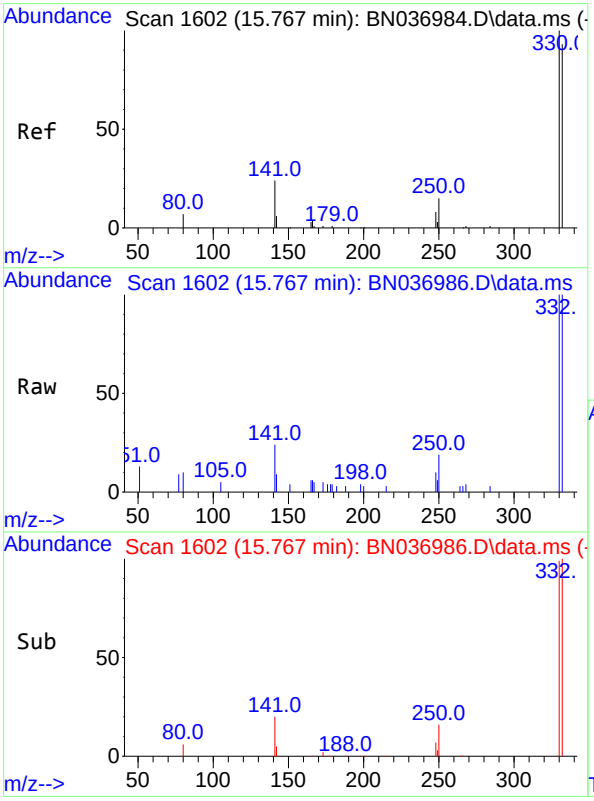
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.267 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 2810

Ion	Ratio	Lower	Upper
164	100		
162	107.6	86.1	129.1
160	54.5	44.6	67.0

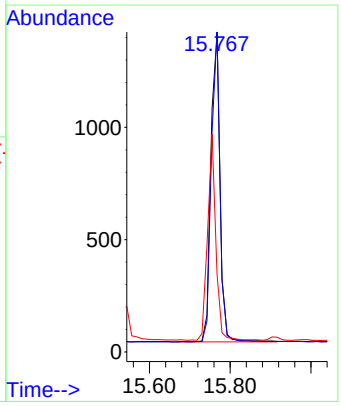


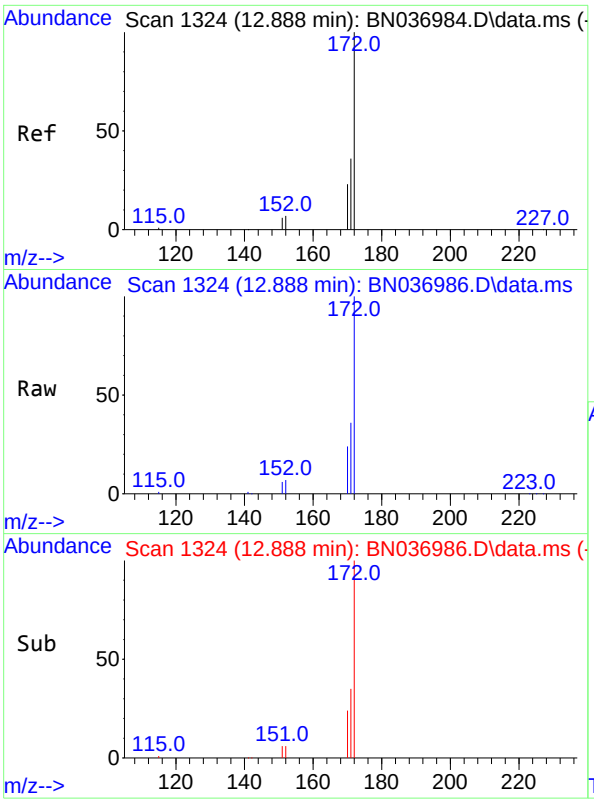


#14
2,4,6-Tribromophenol
Concen: 1.68 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:330 Resp: 2159

Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.6	113.4
141	59.7	47.4	71.2



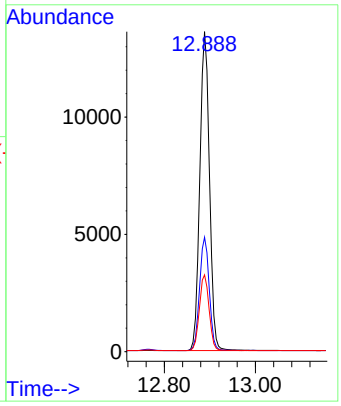


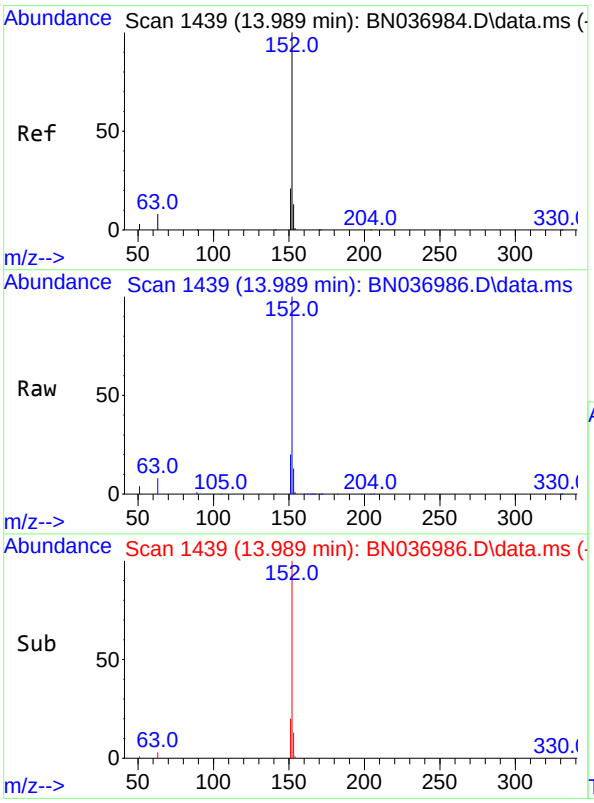
#15
2-Fluorobiphenyl
Concen: 1.70 ng
RT: 12.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 22247

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.2
170	24.0	19.4	29.0

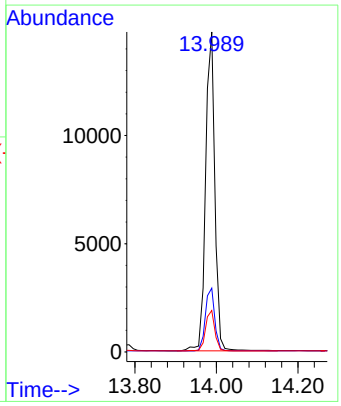


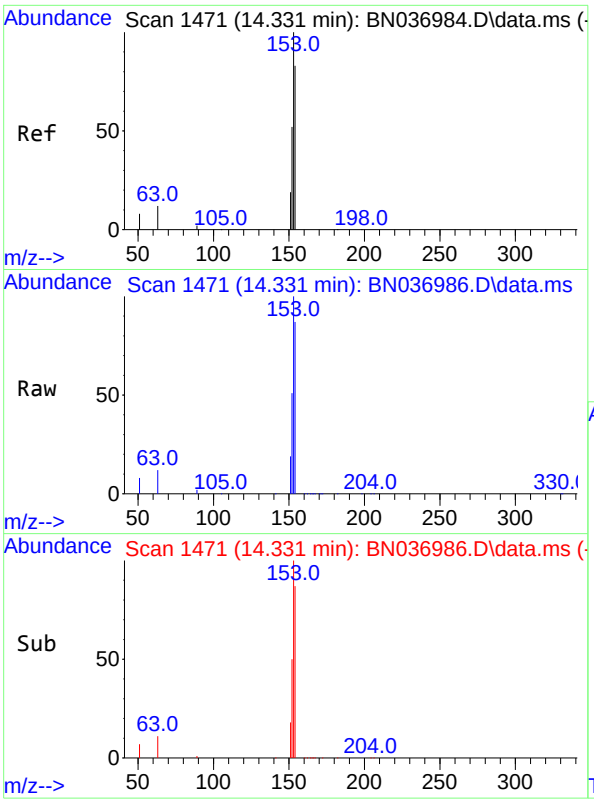


#16
Acenaphthylene
Concen: 1.69 ng
RT: 13.989 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:152 Resp: 23271

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	12.8	10.9	16.3



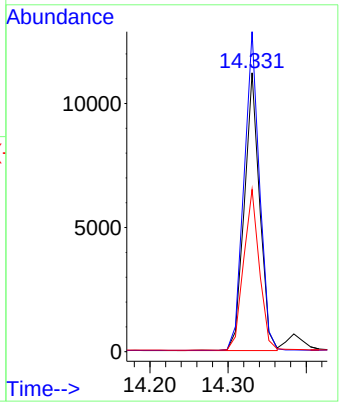


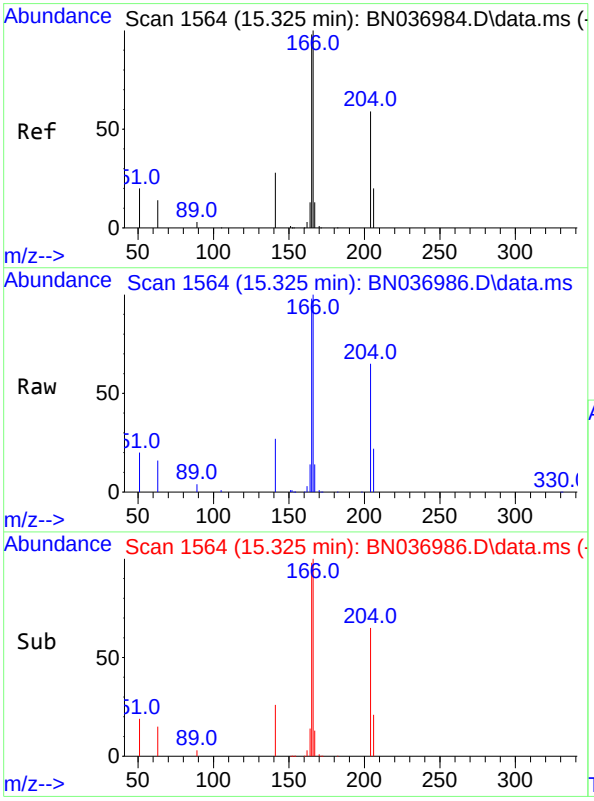
#17
Acenaphthene
Concen: 1.69 ng
RT: 14.331 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 15270

Ion	Ratio	Lower	Upper
154	100		
153	116.1	94.6	142.0
152	59.6	49.4	74.2

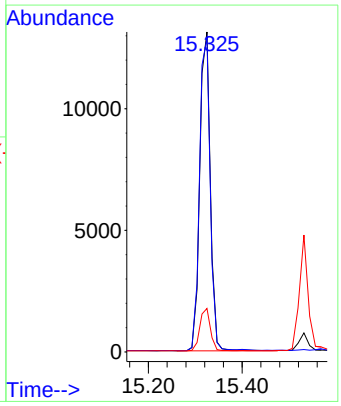


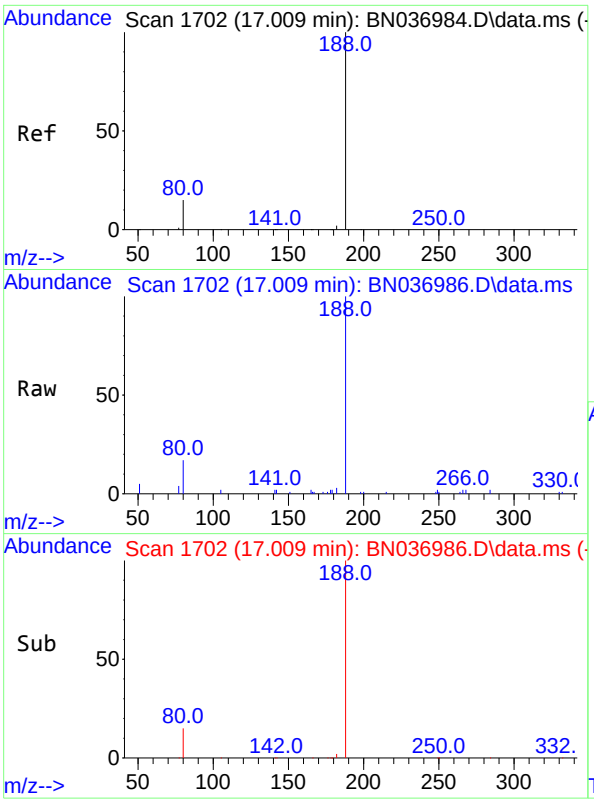


#18
Fluorene
Concen: 1.68 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:166 Resp: 20324

Ion	Ratio	Lower	Upper
166	100		
165	99.6	81.0	121.4
167	13.3	10.6	16.0



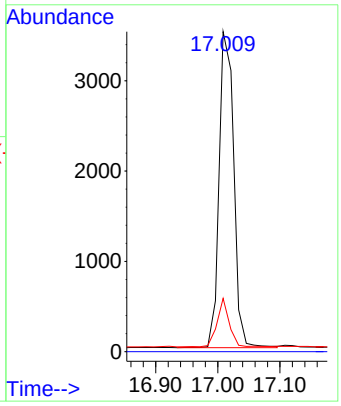


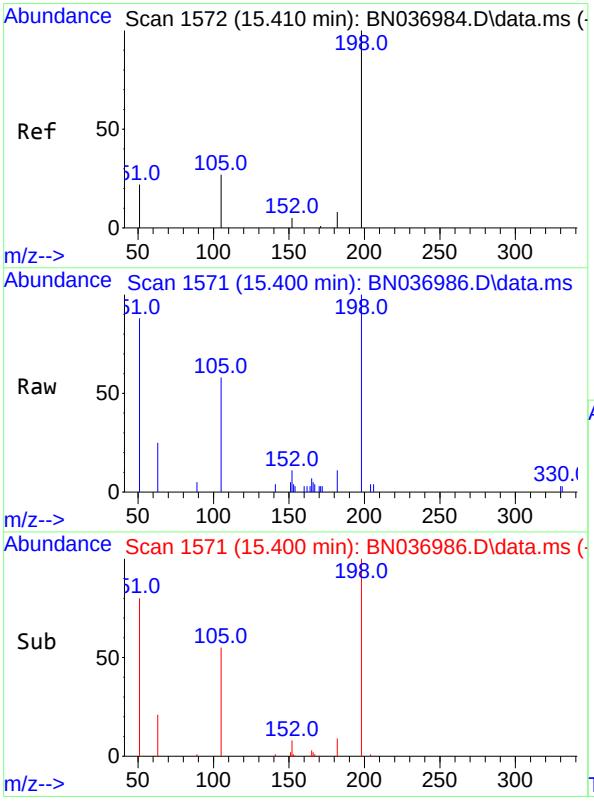
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.009 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 5692

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.7	13.4	20.0

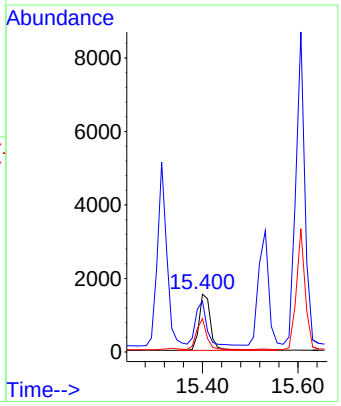


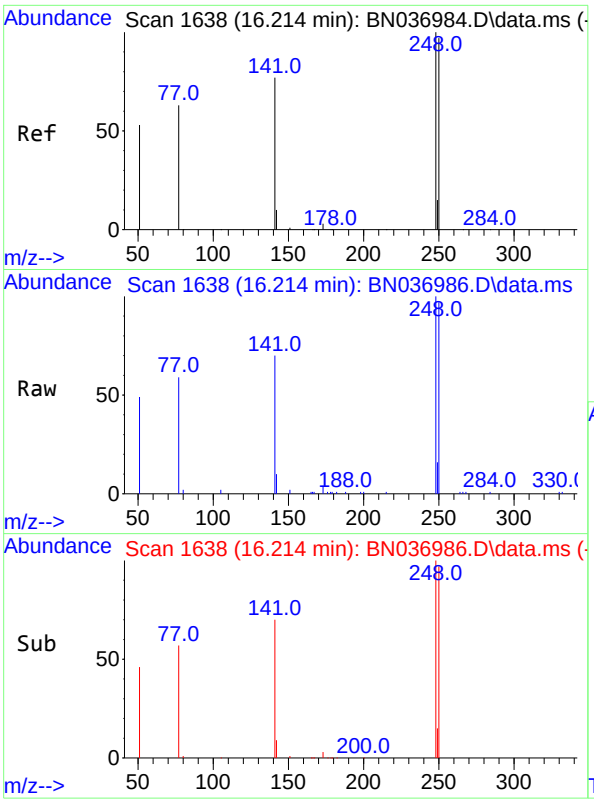


#20
4,6-Dinitro-2-methylphenol
Concen: 1.78 ng
RT: 15.400 min Scan# 1571
Delta R.T. -0.011 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:198 Resp: 2596

Ion	Ratio	Lower	Upper
198	100		
51	88.2	79.7	119.5
105	57.7	36.0	54.0#



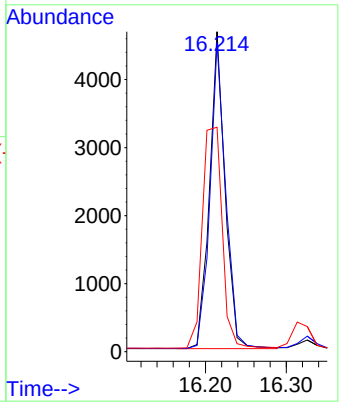


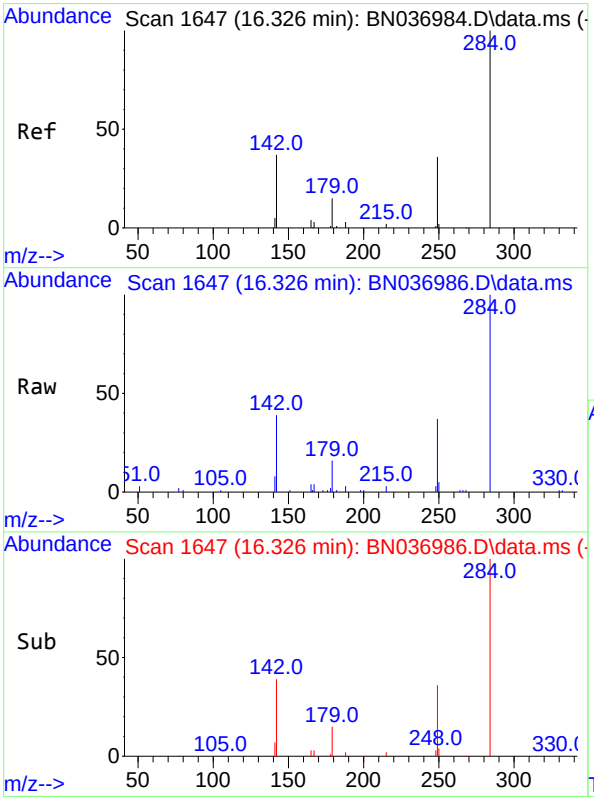
#21
4-Bromophenyl-phenylether
Concen: 1.68 ng
RT: 16.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 6197

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.8	116.8
141	70.2	63.1	94.7

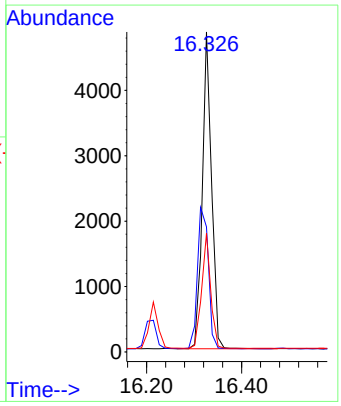


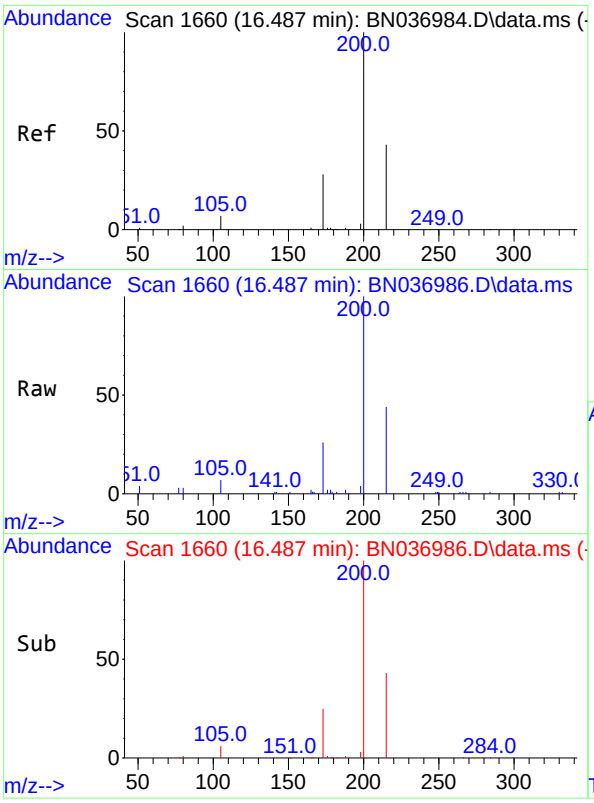


#22
Hexachlorobenzene
Concen: 1.65 ng
RT: 16.326 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:284 Resp: 6544

Ion	Ratio	Lower	Upper
284	100		
142	52.7	41.4	62.2
249	35.9	29.1	43.7



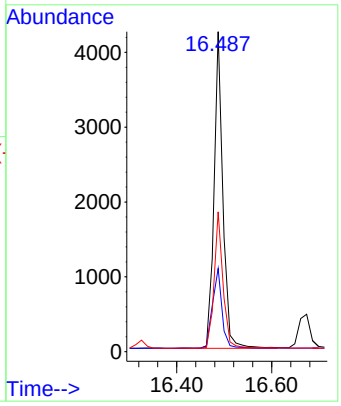


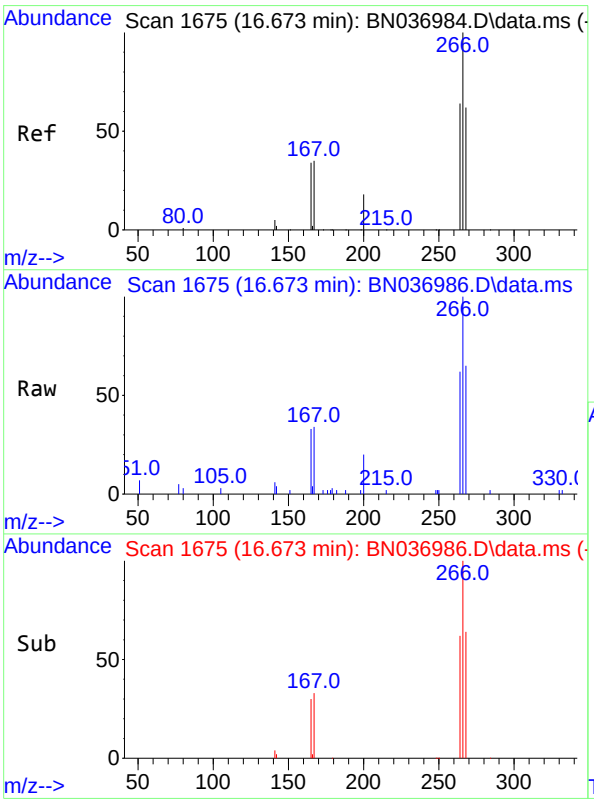
#23
Atrazine
Concen: 1.67 ng
RT: 16.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 5449

Ion	Ratio	Lower	Upper
200	100		
173	26.0	25.8	38.6
215	43.7	37.4	56.0

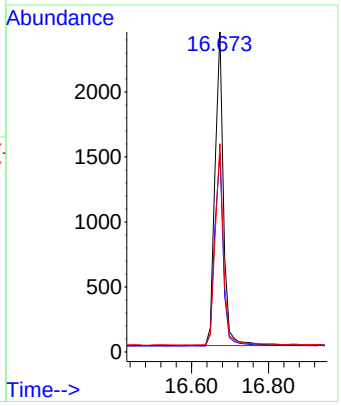


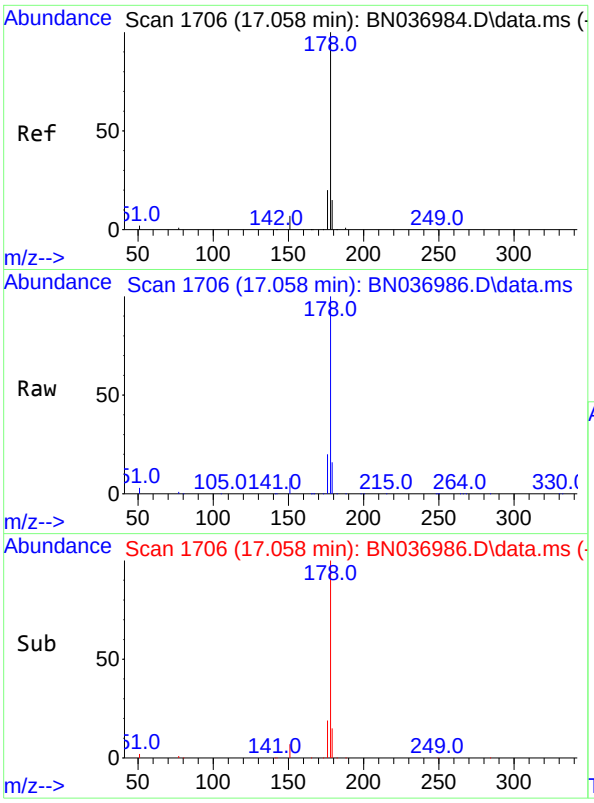


#24
Pentachlorophenol
Concen: 1.67 ng
RT: 16.673 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:266 Resp: 3665

Ion	Ratio	Lower	Upper
266	100		
264	62.7	52.8	79.2
268	63.5	50.0	75.0





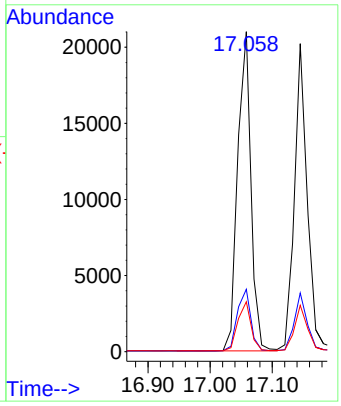
#25
Phenanthrene
Concen: 1.67 ng
RT: 17.058 min Scan# 1

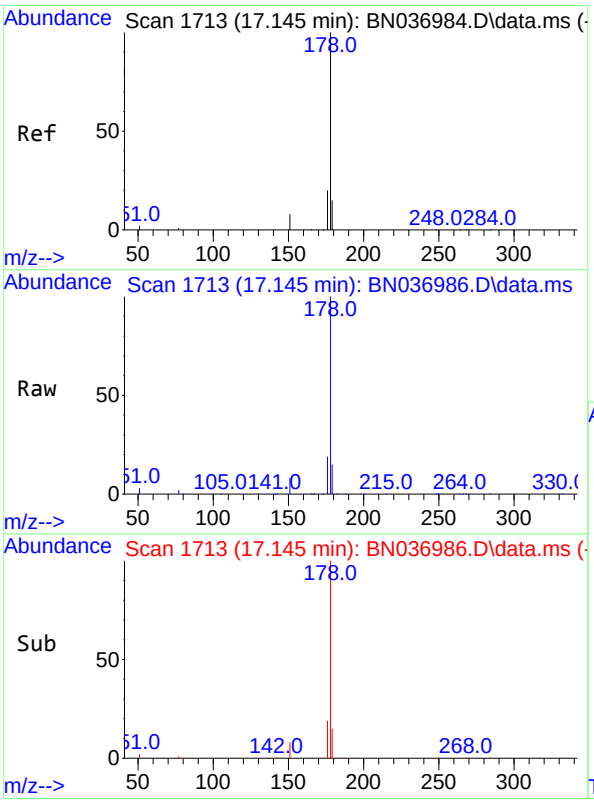
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:178 Resp: 31199

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.3	12.3	18.5

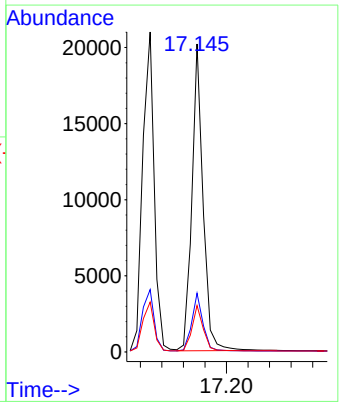


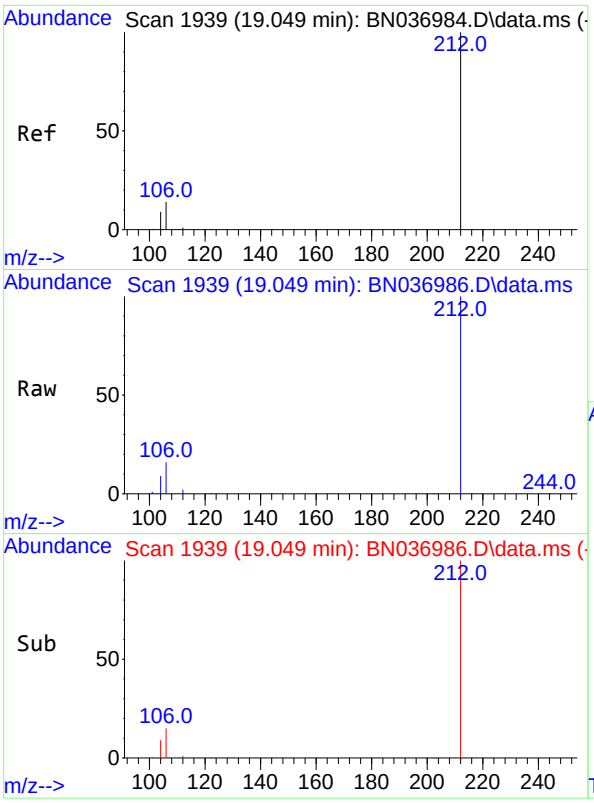


#26
Anthracene
Concen: 1.70 ng
RT: 17.145 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:178 Resp: 28988

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.2	18.2



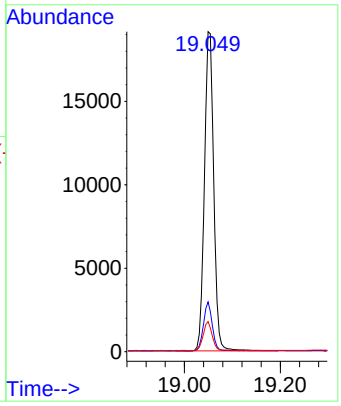


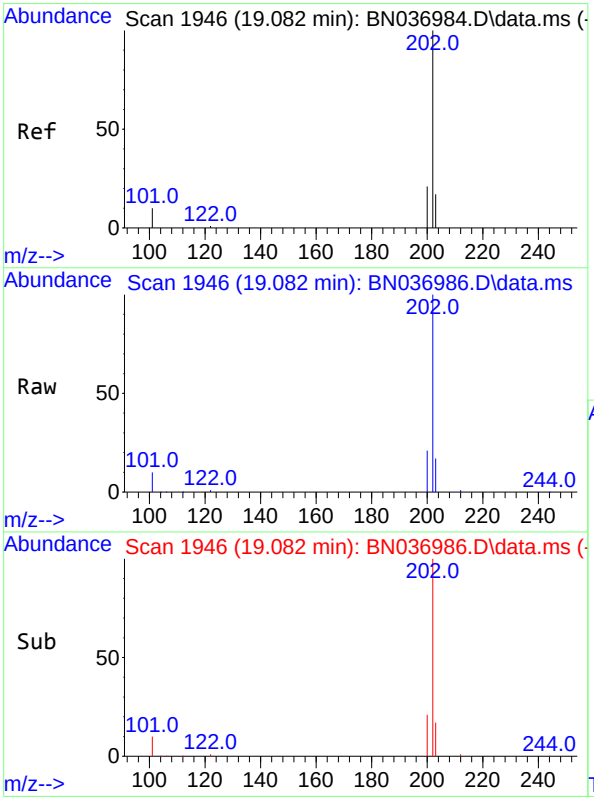
#27
Fluoranthene-d10
Concen: 1.65 ng
RT: 19.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 25587

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.3	16.9
104	8.7	7.0	10.4

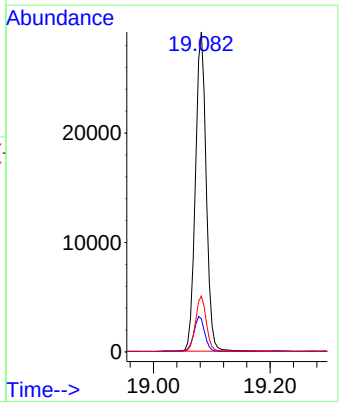


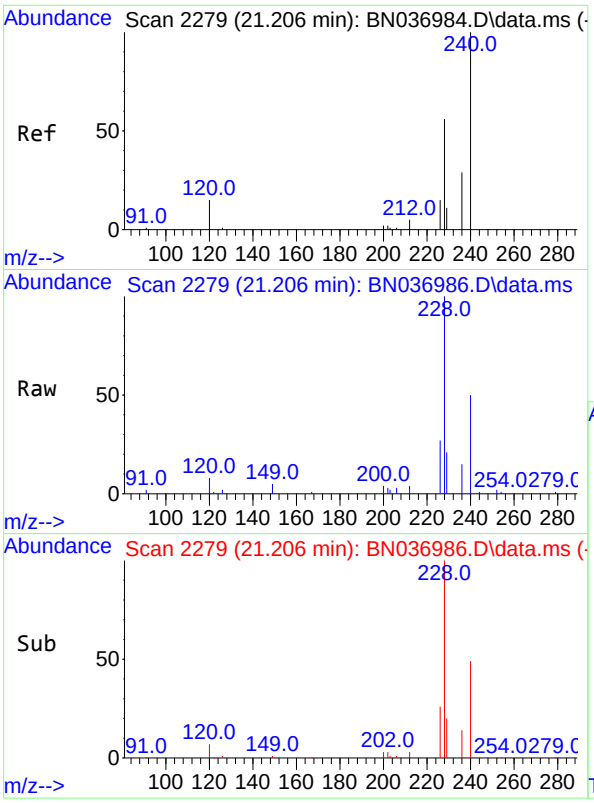


#28
Fluoranthene
Concen: 1.69 ng
RT: 19.082 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:202 Resp: 37228

Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.6	12.8
203	17.3	13.5	20.3



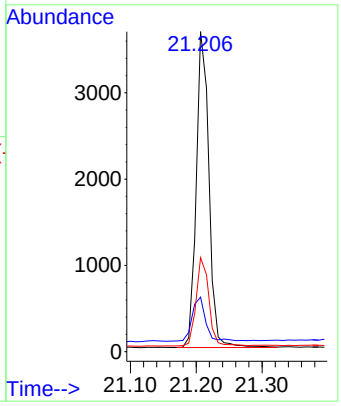


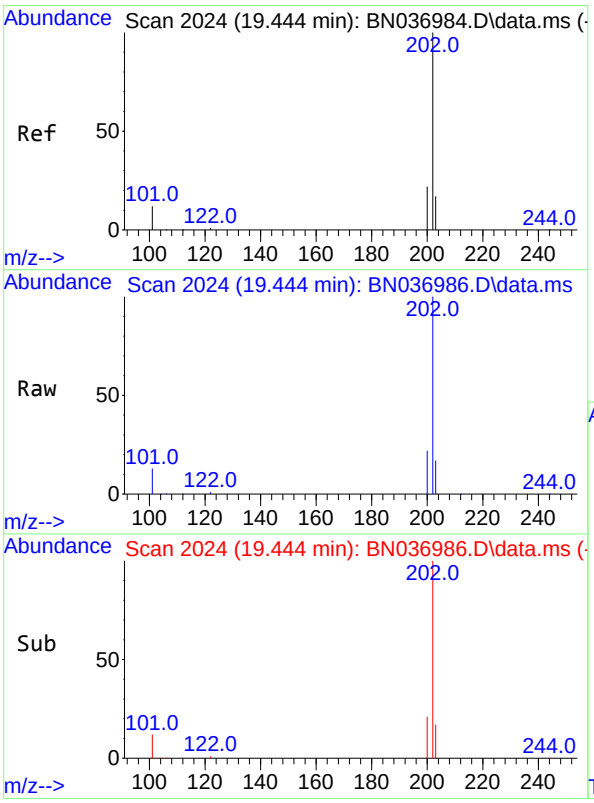
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.206 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 4903

Ion	Ratio	Lower	Upper
240	100		
120	17.1	14.5	21.7
236	29.4	24.3	36.5

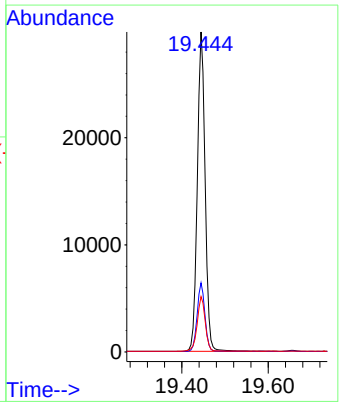


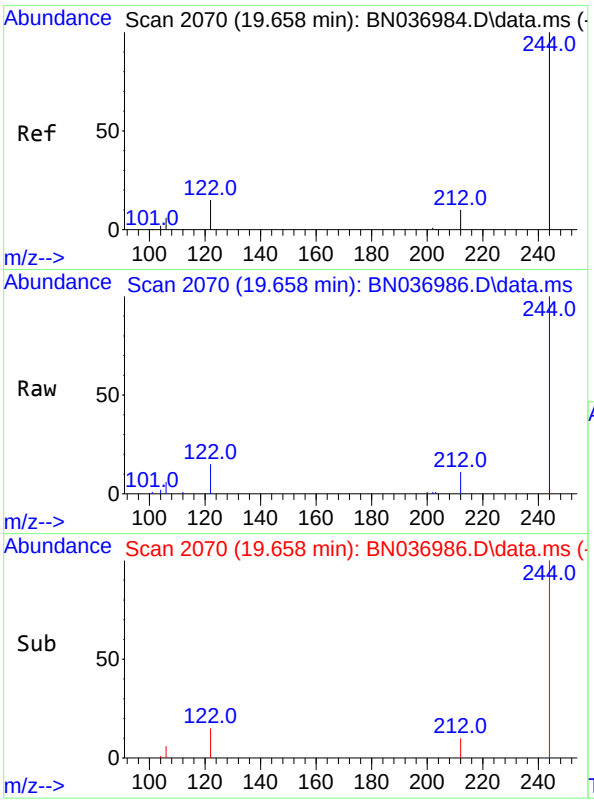


#30
Pyrene
Concen: 1.68 ng
RT: 19.444 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:202 Resp: 37493

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	17.7	14.4	21.6



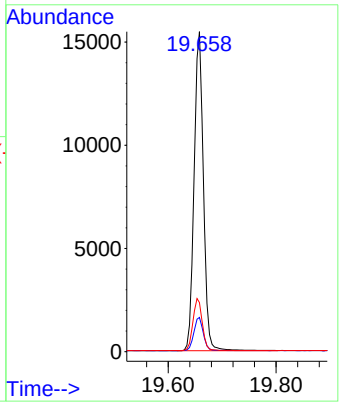


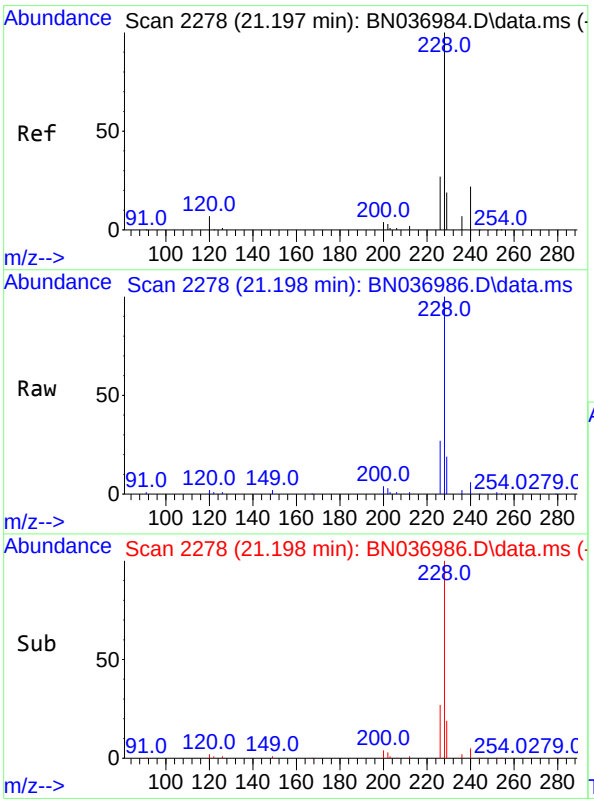
#31
Terphenyl-d14
Concen: 1.67 ng
RT: 19.658 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 18495

Ion	Ratio	Lower	Upper
244	100		
212	10.7	9.5	14.3
122	15.4	13.4	20.0

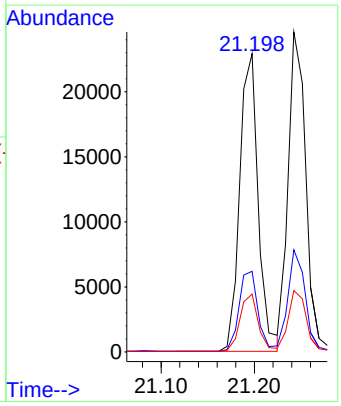


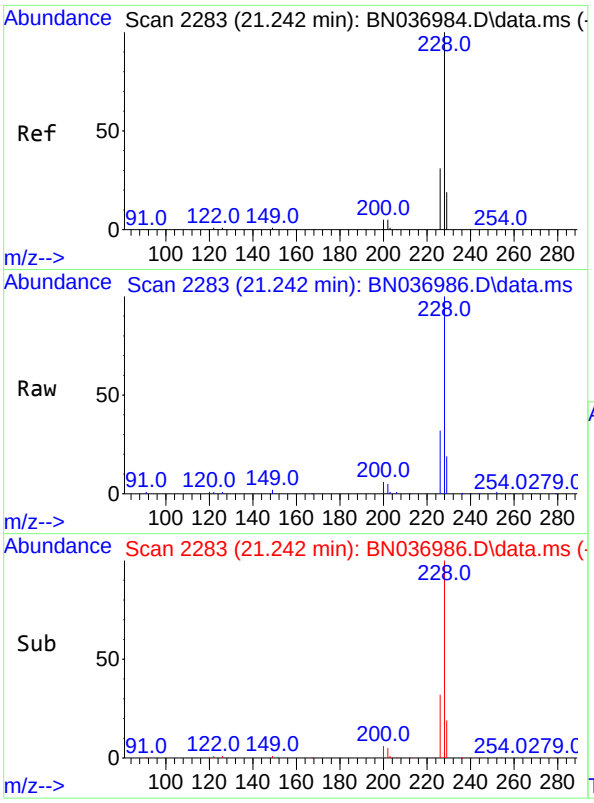


#32
Benzo(a)anthracene
Concen: 1.71 ng
RT: 21.198 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:228 Resp: 31666

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.4	33.6
229	19.4	16.0	24.0



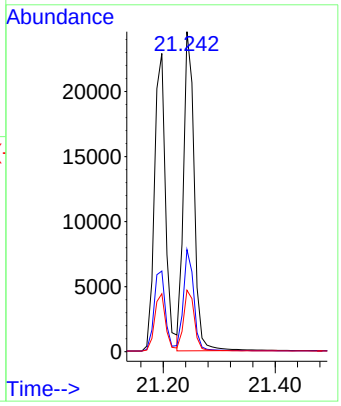


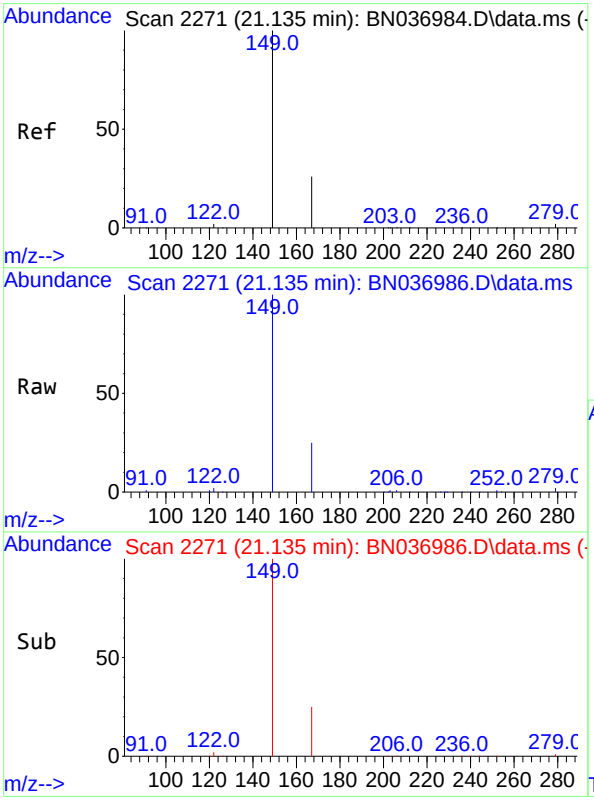
#33
Chrysene
Concen: 1.67 ng
RT: 21.242 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 32666

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.7	38.5
229	19.2	16.0	24.0

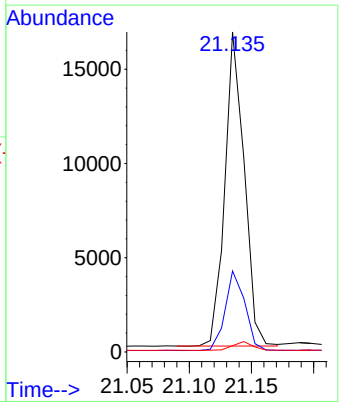


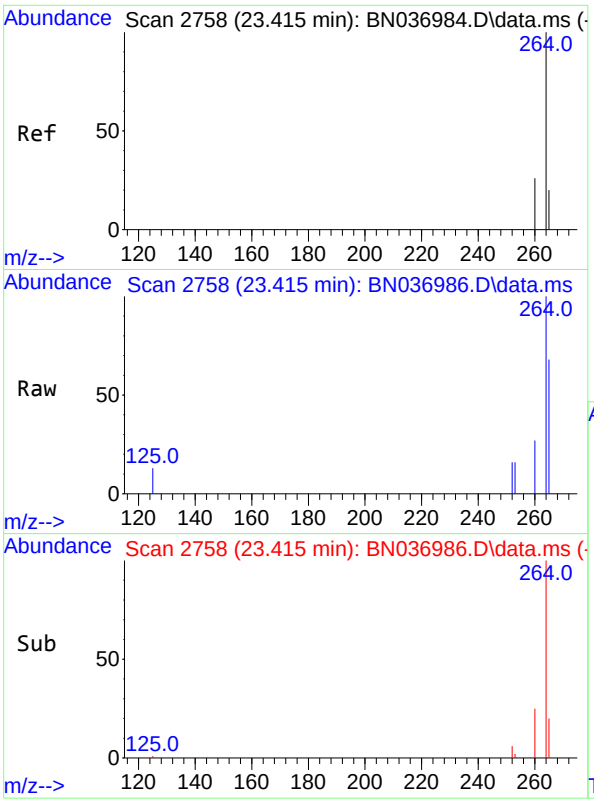


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.58 ng
RT: 21.135 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:149 Resp: 18017

Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.0	31.6
279	2.8	2.7	4.1



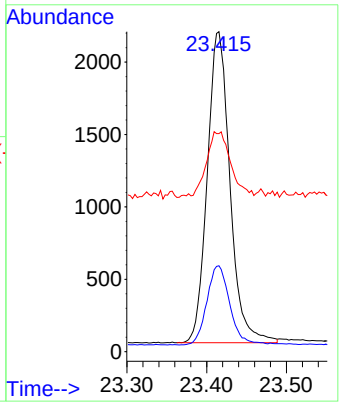


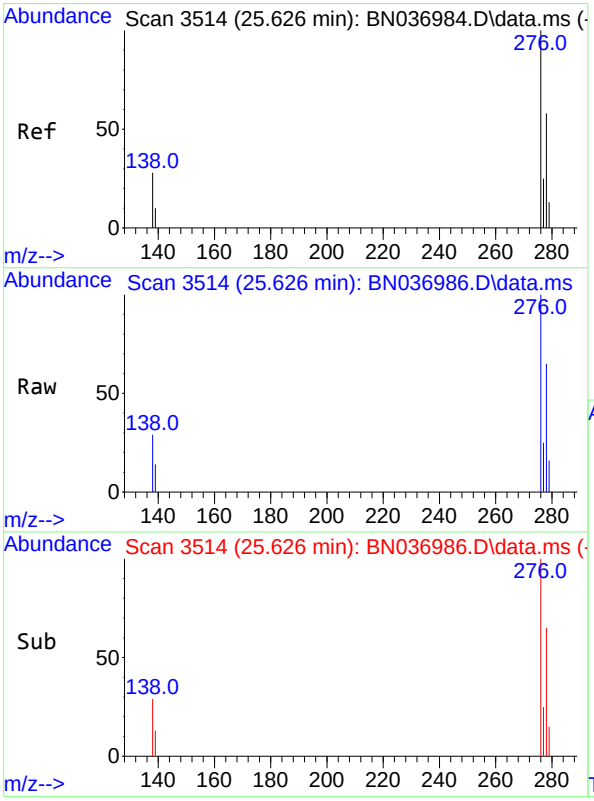
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.415 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 4252

Ion	Ratio	Lower	Upper
264	100		
260	26.9	22.3	33.5
265	68.1	55.4	83.0

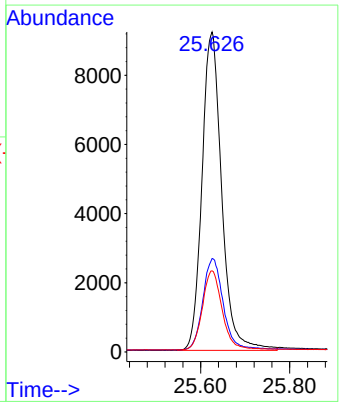


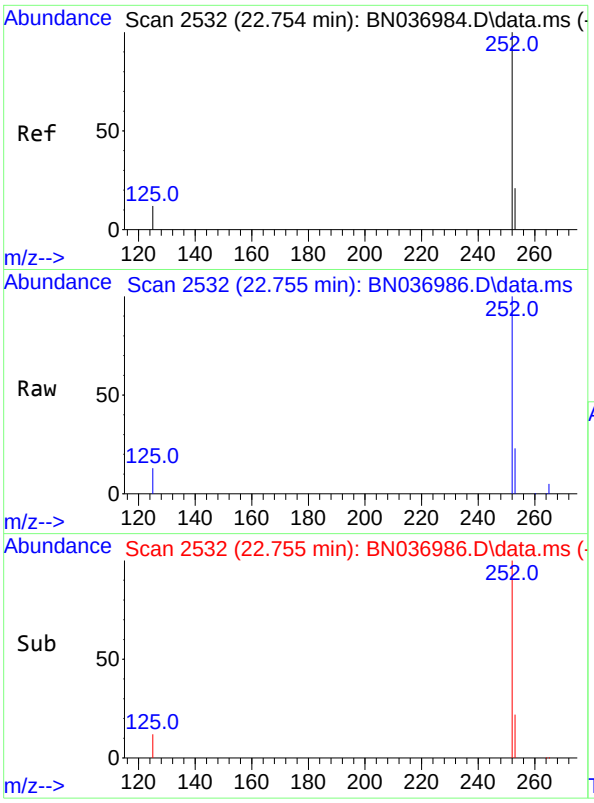


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.68 ng
RT: 25.626 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:276 Resp: 28269

Ion	Ratio	Lower	Upper
276	100		
138	29.8	21.8	32.8
277	24.9	20.2	30.4



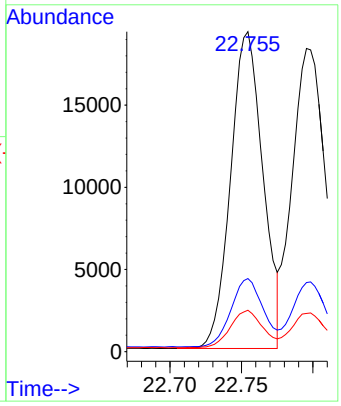


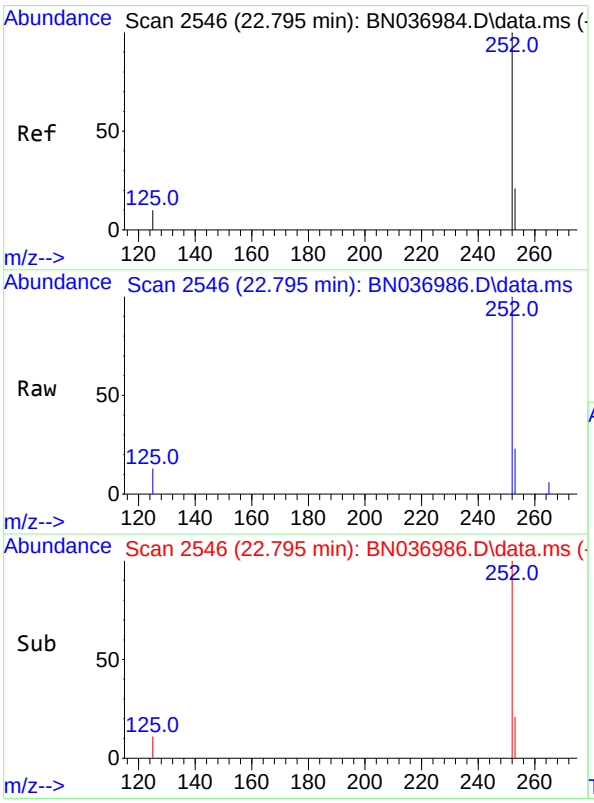
#37
Benzo(b)fluoranthene
Concen: 1.71 ng
RT: 22.755 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 30288

Ion	Ratio	Lower	Upper
252	100		
253	22.8	21.9	32.9
125	13.0	13.8	20.8#

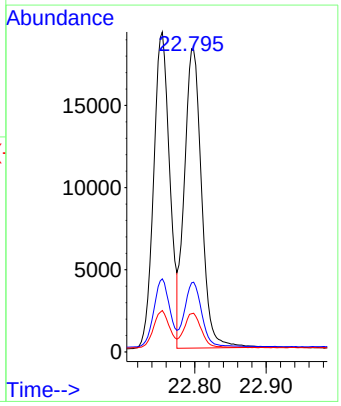


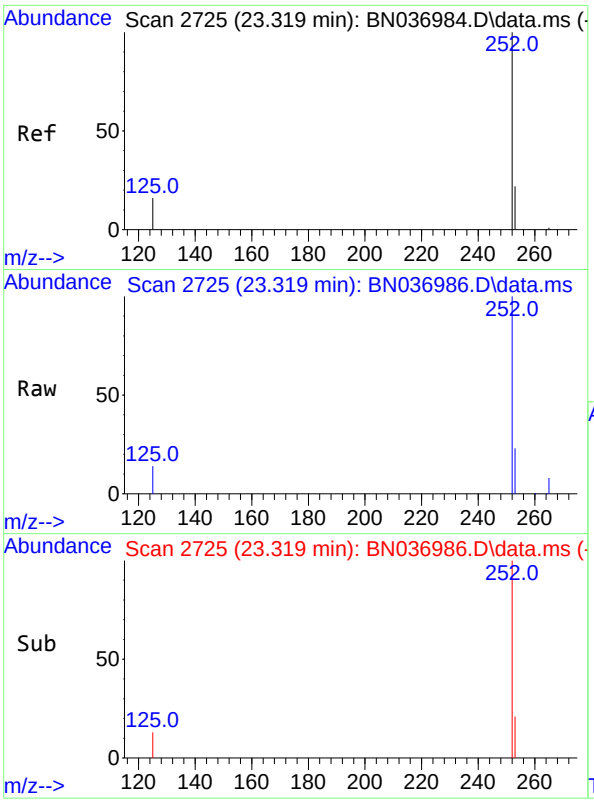


#38
Benzo(k)fluoranthene
Concen: 1.74 ng
RT: 22.795 min Scan# 2546
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:252 Resp: 30597

Ion	Ratio	Lower	Upper
252	100		
253	22.8	22.0	33.0
125	12.6	13.4	20.2#



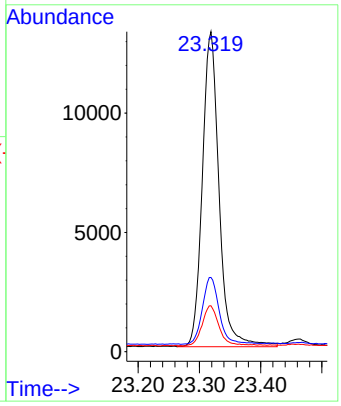


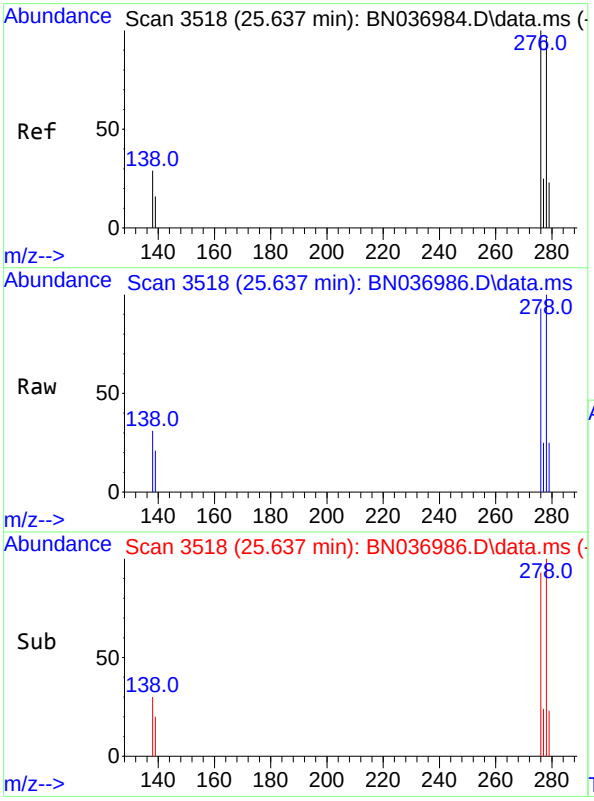
#39
Benzo(a)pyrene
Concen: 1.70 ng
RT: 23.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 25092

Ion	Ratio	Lower	Upper
252	100		
253	23.2	24.8	37.2#
125	14.3	18.6	28.0#

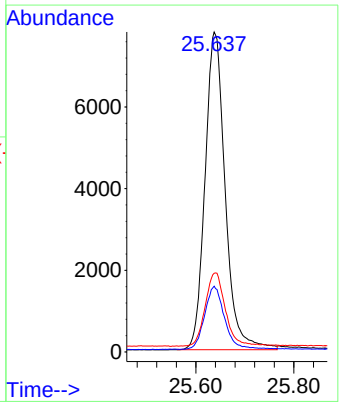


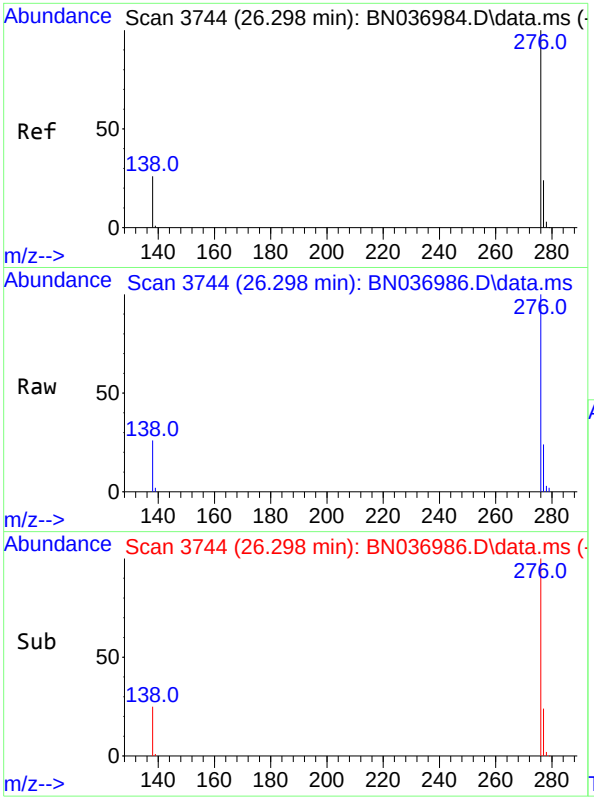


#40
Dibenzo(a,h)anthracene
Concen: 1.70 ng
RT: 25.637 min Scan# 3518
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Tgt Ion:278 Resp: 22229

Ion	Ratio	Lower	Upper
278	100		
139	20.6	18.1	27.1
279	24.6	25.3	37.9#





#41
Benzo(g,h,i)perylene
Concen: 1.66 ng
RT: 26.298 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN036986.D
Acq: 12 May 2025 16:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 24121

Ion	Ratio	Lower	Upper
276	100		
277	24.2	21.2	31.8
138	25.6	22.6	33.8