Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050725\
Data File : BN036968.D
Acq On : 07 May 2025 18:10
Operator : RC/JU
Sample : PB167888BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Quant Time: May 07 18:36:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1764	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4428	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2291	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4738	0.400	ng	0.00
29) Chrysene-d12	21.215	240	3967	0.400	ng	# 0.00
35) Perylene-d12	23.424	264	3741	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1610	0.357	ng	0.00
5) Phenol-d6	6.802	99	1948	0.351	ng	0.00
8) Nitrobenzene-d5	8.771	82	1646	0.355	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	2943	0.475	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	263	0.258	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	4034	0.364	ng	0.00
27) Fluoranthene-d10	19.059	212	4382	0.357	ng	0.00
31) Terphenyl-d14	19.662	244	3115	0.333	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	684	0.311	ng	# 1
3) n-Nitrosodimethylamine	3.458	42	1603	0.376	ng	# 97
6) bis(2-Chloroethyl)ether	7.055	93	1838	0.357	ng	98
9) Naphthalene	10.458	128	4558	0.354	ng	98
10) Hexachlorobutadiene	10.746	225	1022	0.367	ng	# 100
12) 2-Methylnaphthalene	12.082	142	2897	0.348	ng	99
16) Acenaphthylene	13.989	152	4212	0.376	ng	99
17) Acenaphthene	14.341	154	2643	0.359	ng	99
18) Fluorene	15.325	166	3484	0.362	ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	415	0.331	ng	# 80
21) 4-Bromophenyl-phenylether	16.227	248	1041	0.329	ng	99
22) Hexachlorobenzene	16.338	284	1170	0.338	ng	95
23) Atrazine	16.500	200	934	0.366	ng	97
24) Pentachlorophenol	16.673	266	845	0.455	ng	99
25) Phenanthrene	17.058	178	5517	0.353	ng	99
26) Anthracene	17.157	178	5034	0.356	ng	100
28) Fluoranthene	19.086	202	6135	0.350	ng	100
30) Pyrene	19.449	202	6349	0.332	ng	100
32) Benzo(a)anthracene	21.197	228	5360	0.367	ng	99
33) Chrysene	21.251	228	6044	0.384	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	3286	0.395	ng	99
36) Indeno(1,2,3-cd)pyrene	25.640	276	5772	0.378	ng	98
37) Benzo(b)fluoranthene	22.763	252	5433	0.345	ng	98
38) Benzo(k)fluoranthene	22.804	252	5521	0.349	ng	98
39) Benzo(a)pyrene	23.325	252	4842	0.374	ng	95
40) Dibenzo(a,h)anthracene	25.658	278	4428	0.368	ng	98
41) Benzo(g,h,i)perylene	26.315	276	4624	0.347	ng	97

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

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050725\
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Acq On : 07 May 2025 18:10
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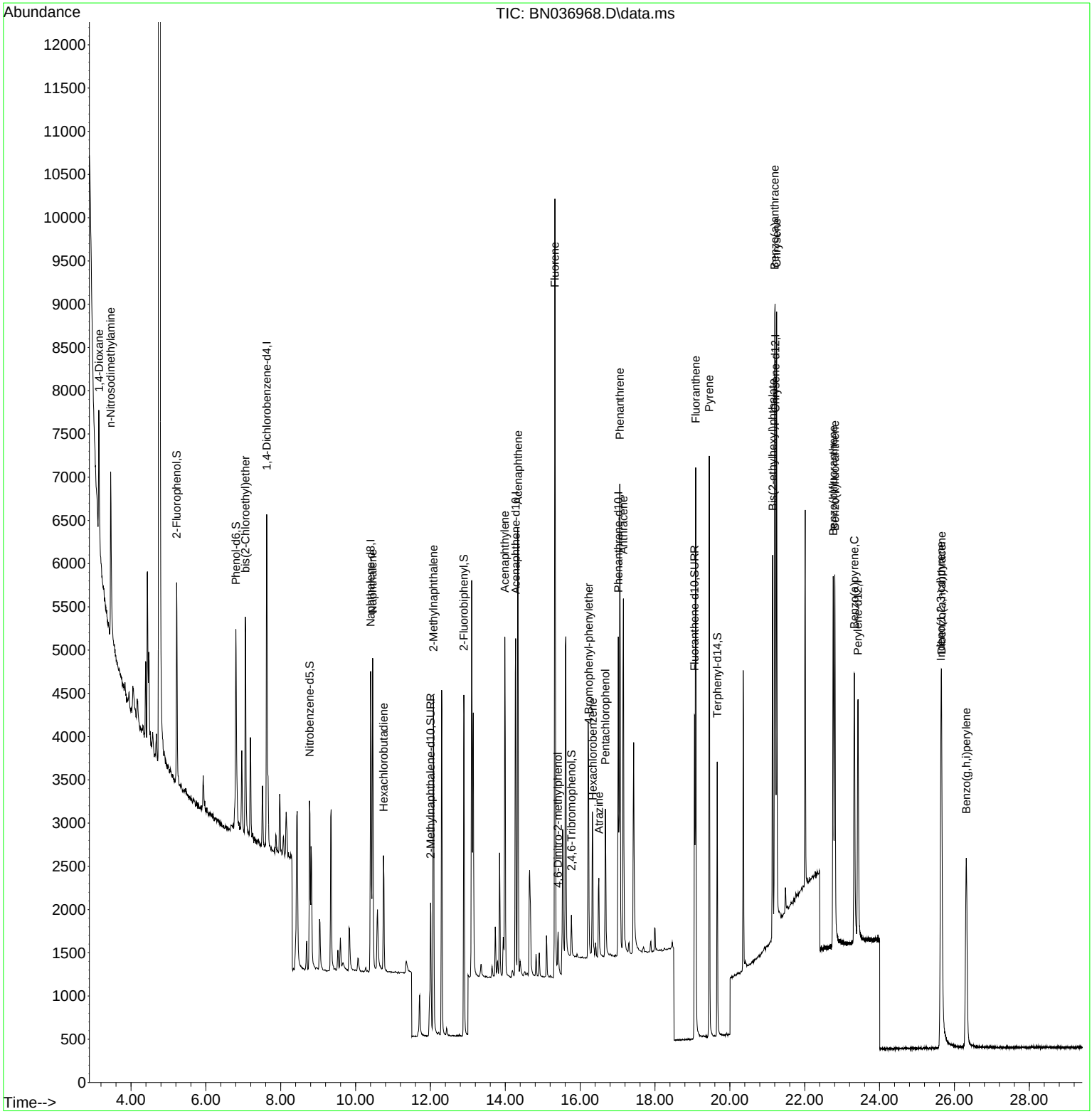
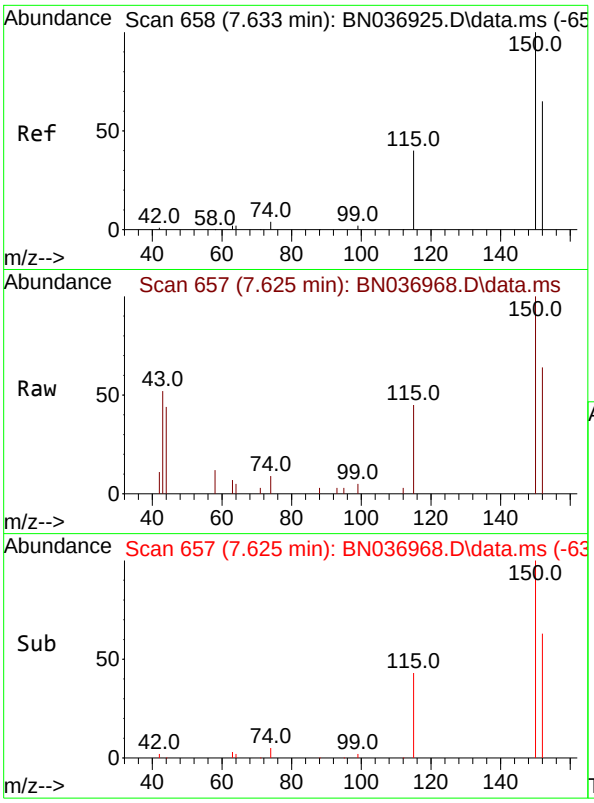
Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Quant Time: May 07 18:36:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



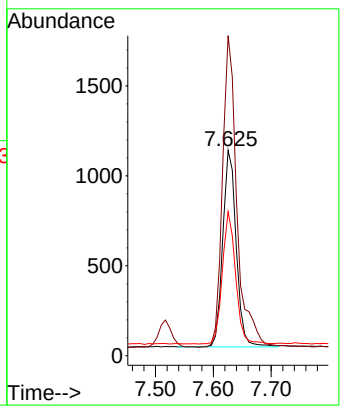


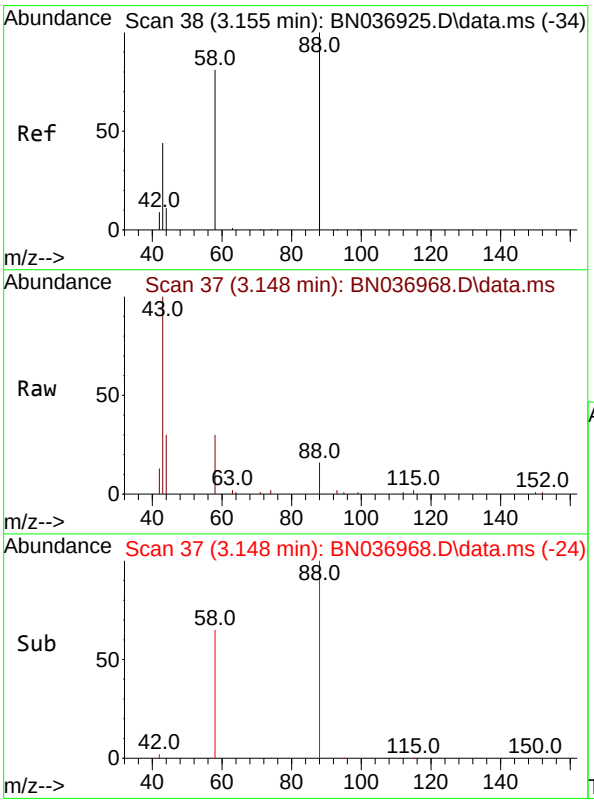
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:152 Resp: 1764

Ion	Ratio	Lower	Upper
152	100		
150	155.9	121.1	181.7
115	70.2	51.8	77.6

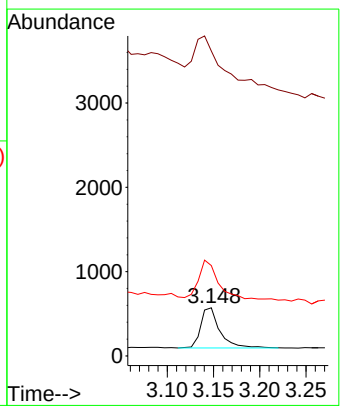


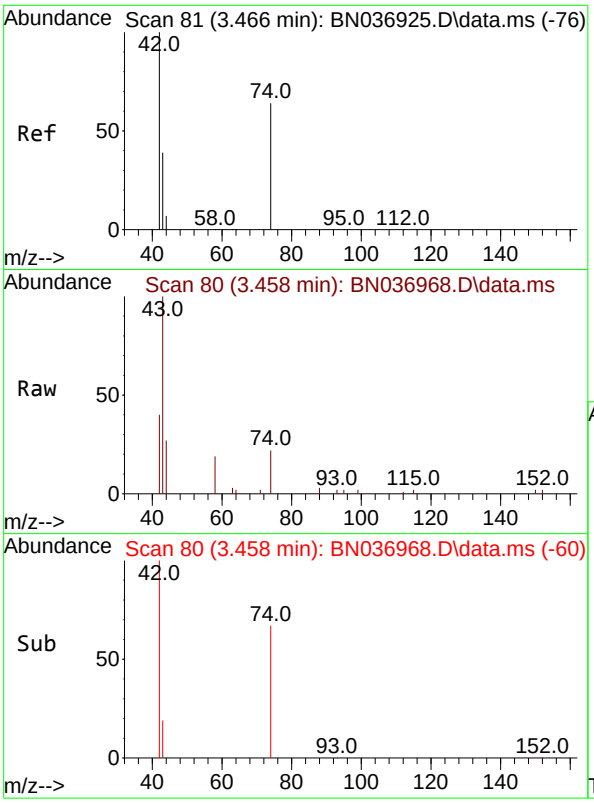


#2
1,4-Dioxane
Concen: 0.311 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion: 88 Resp: 684

Ion	Ratio	Lower	Upper
88	100		
43	205.8	37.9	56.9#
58	106.4	65.8	98.6#



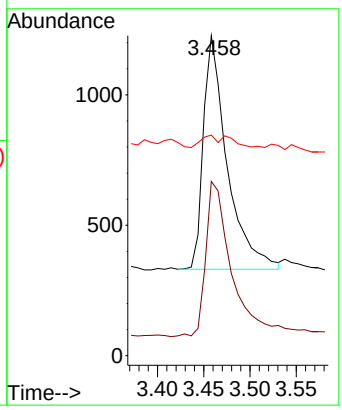


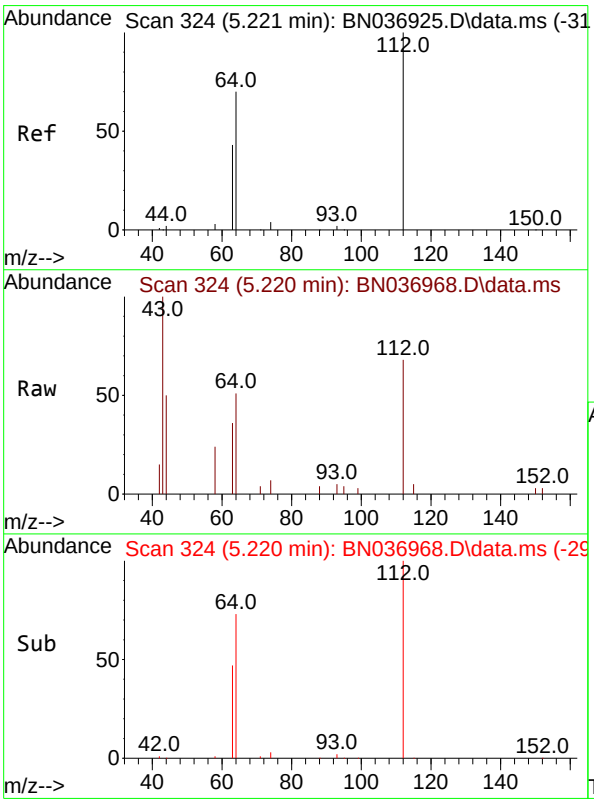
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.458 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion: 42 Resp: 1603

Ion	Ratio	Lower	Upper
42	100		
74	75.8	59.9	89.9
44	3.4	7.5	11.3#

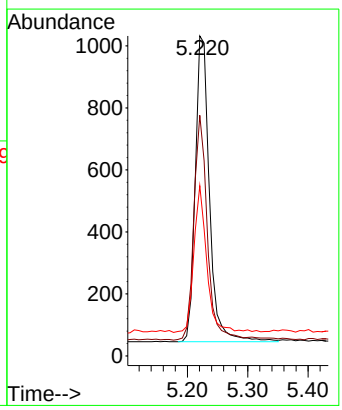


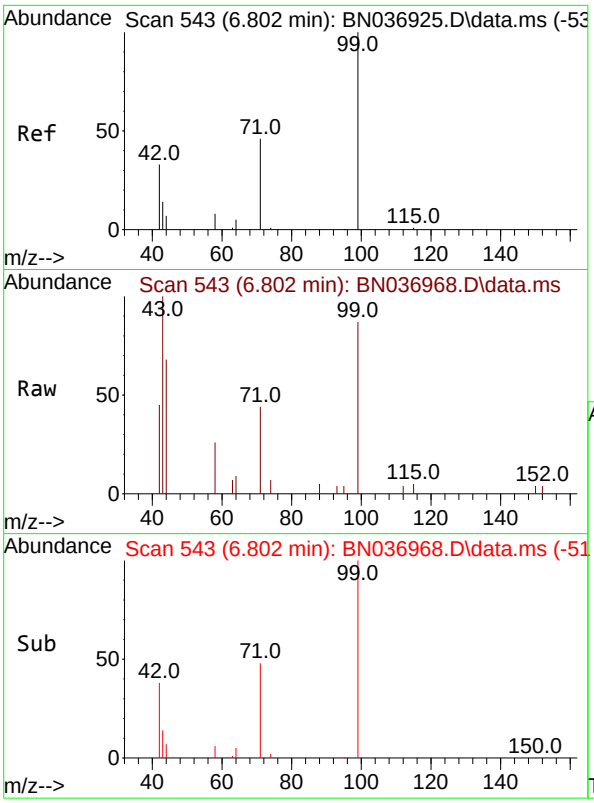


#4
2-Fluorophenol
Concen: 0.357 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:112 Resp: 1610

Ion	Ratio	Lower	Upper
112	100		
64	71.4	55.7	83.5
63	43.8	33.9	50.9



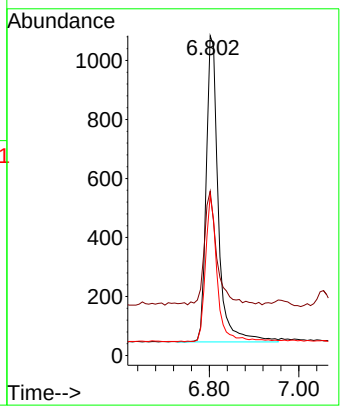


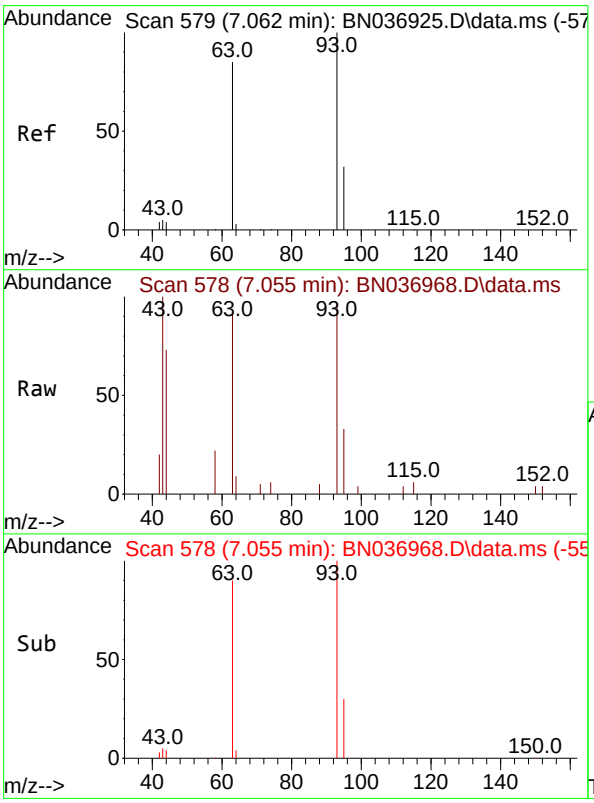
#5
Phenol-d6
Concen: 0.351 ng
RT: 6.802 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion: 99 Resp: 1948

Ion	Ratio	Lower	Upper
99	100		
42	38.8	29.6	44.4
71	46.4	36.0	54.0

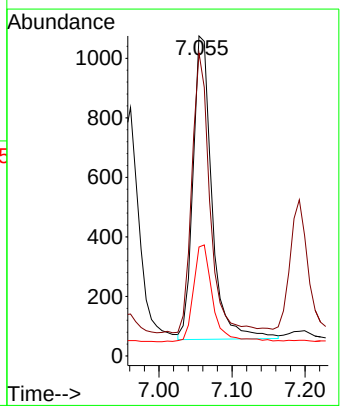


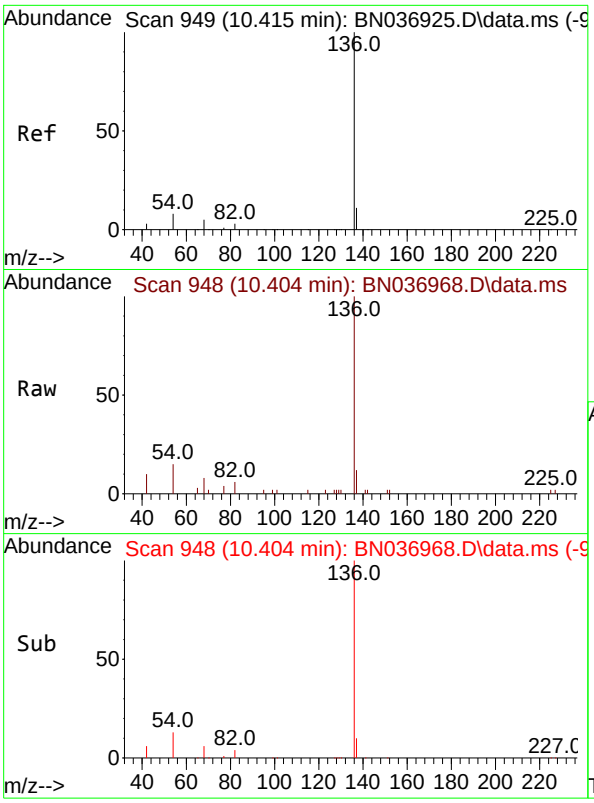


#6
bis(2-Chloroethyl)ether
Concen: 0.357 ng
RT: 7.055 min Scan# 578
Delta R.T. -0.007 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion: 93 Resp: 1838

Ion	Ratio	Lower	Upper
93	100		
63	88.3	69.0	103.6
95	32.5	25.4	38.0



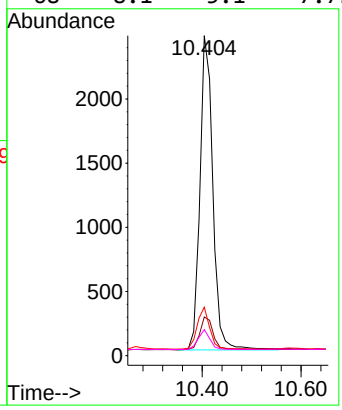


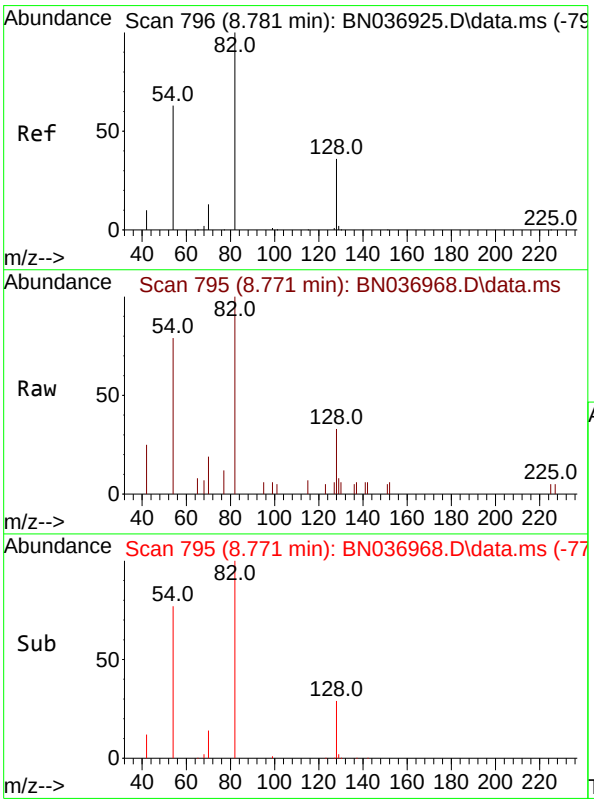
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:136 Resp: 4428

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	15.1	8.0	12.0#
68	8.1	5.1	7.7#

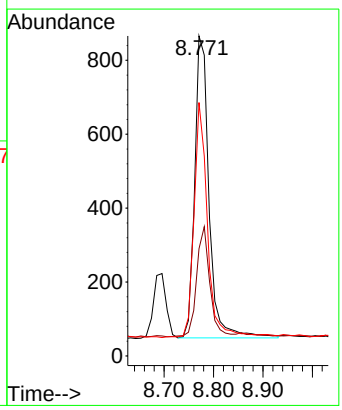


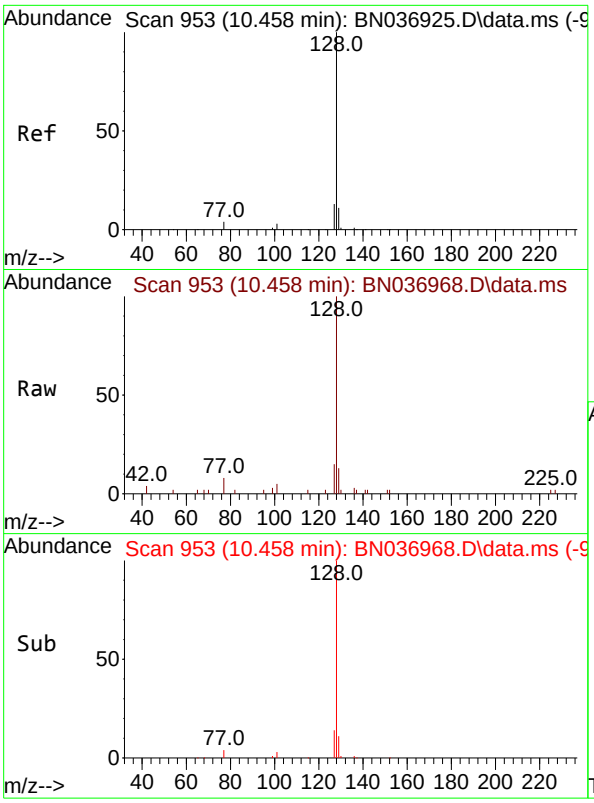


#8
Nitrobenzene-d5
Concen: 0.355 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion: 82 Resp: 1646

Ion	Ratio	Lower	Upper
82	100		
128	33.5	30.7	46.1
54	79.2	52.1	78.1#



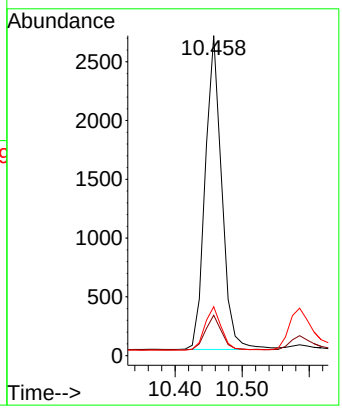


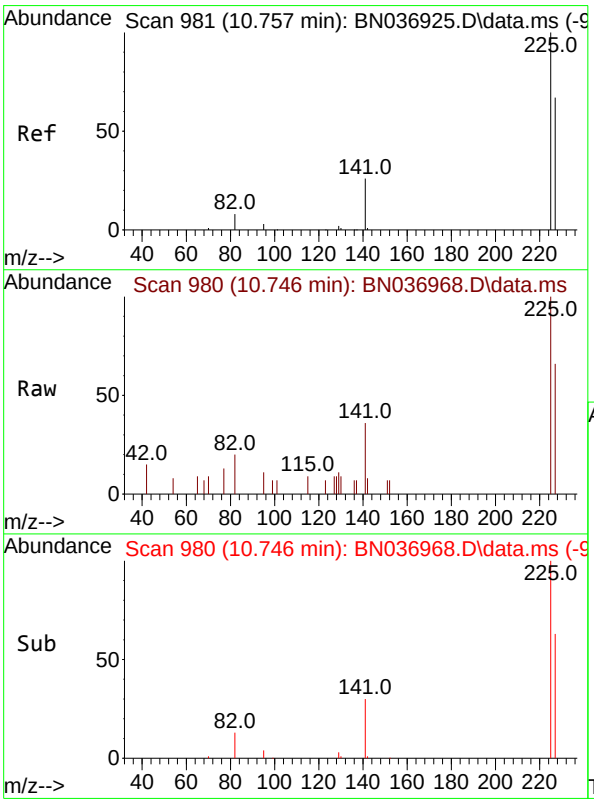
#9
Naphthalene
Concen: 0.354 ng
RT: 10.458 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:128 Resp: 4558

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.8	14.6
127	15.3	11.4	17.2

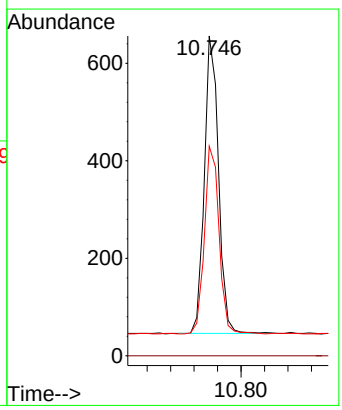


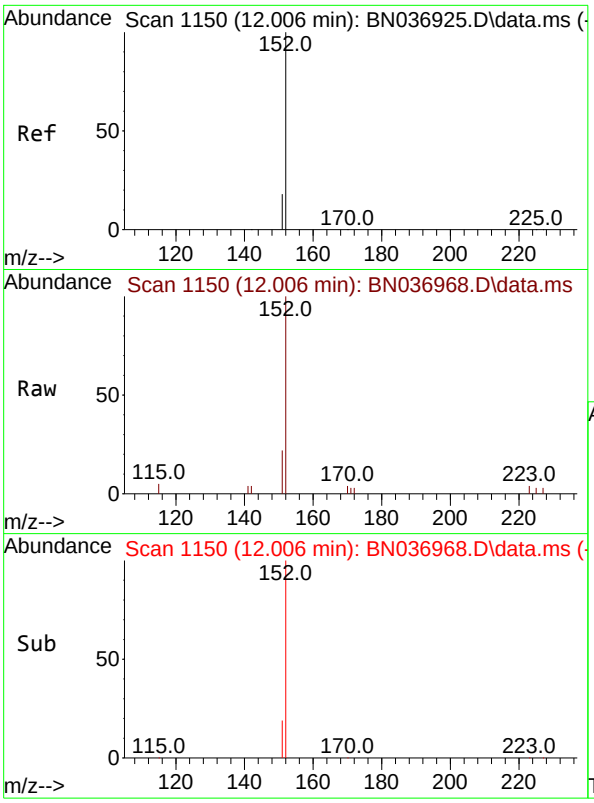


#10
Hexachlorobutadiene
Concen: 0.367 ng
RT: 10.746 min Scan# 980
Delta R.T. -0.011 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:225 Resp: 1022

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.4	52.2	78.4



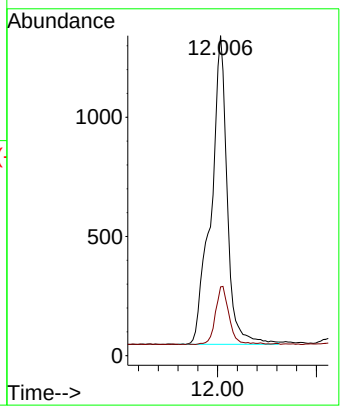


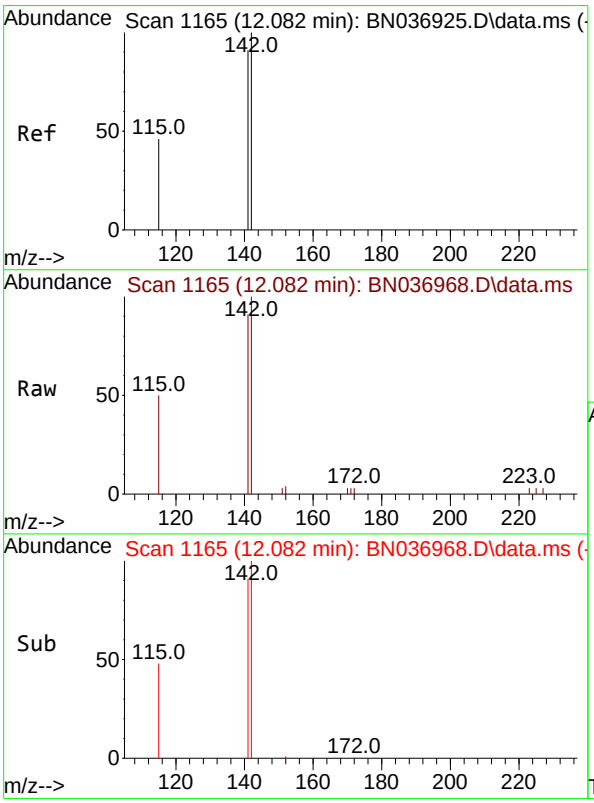
#11
2-Methylnaphthalene-d10
Concen: 0.475 ng
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:152 Resp: 2943

Ion	Ratio	Lower	Upper
152	100		
151	16.0	16.9	25.3#

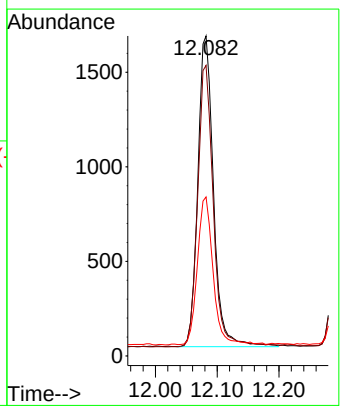


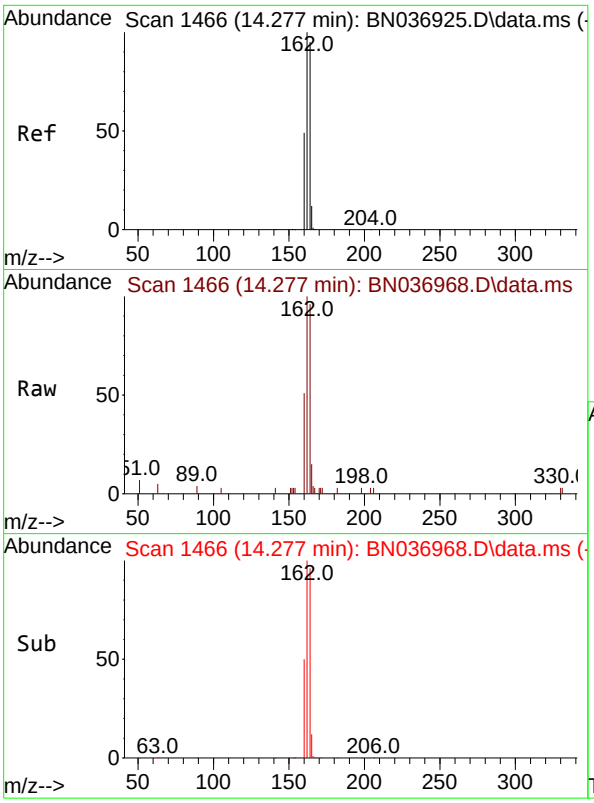


#12
2-Methylnaphthalene
Concen: 0.348 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:142 Resp: 2897

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.8	109.2
115	49.7	38.2	57.4



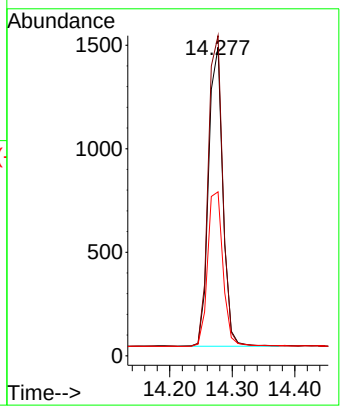


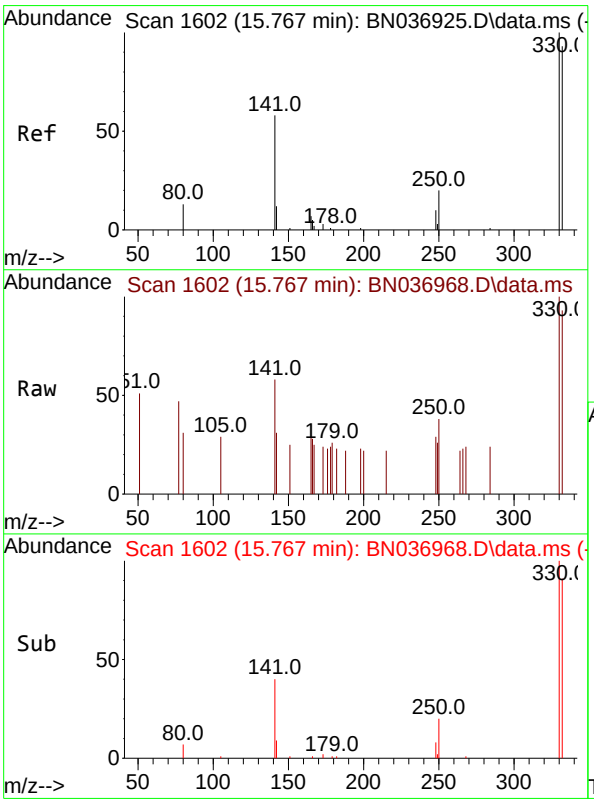
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:164 Resp: 2291

Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.8	125.8
160	53.2	42.0	63.0

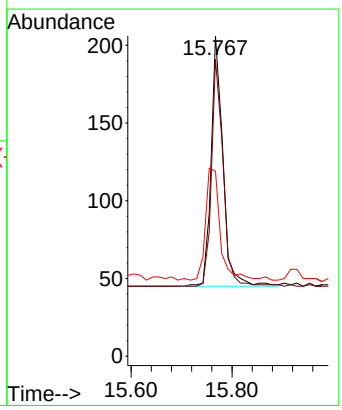


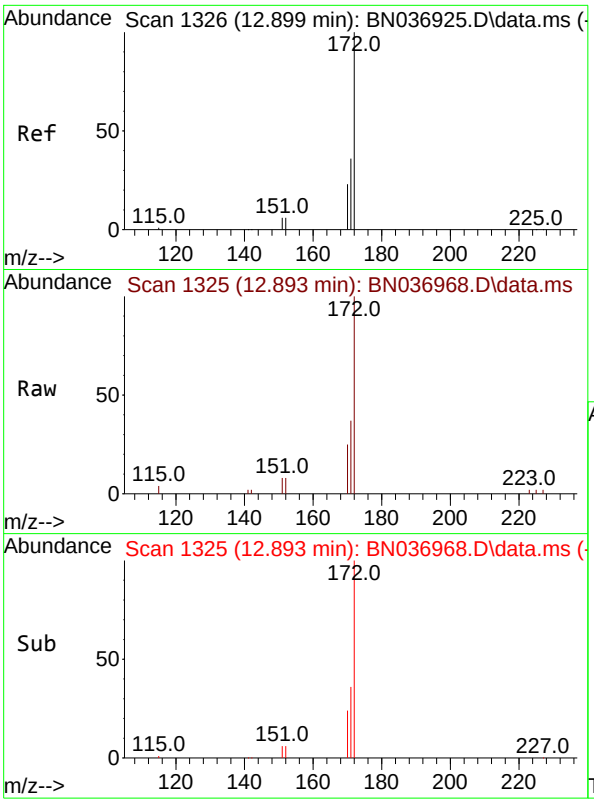


#14
2,4,6-Tribromophenol
Concen: 0.258 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:330 Resp: 263

Ion	Ratio	Lower	Upper
330	100		
332	88.6	76.3	114.5
141	55.1	45.4	68.2



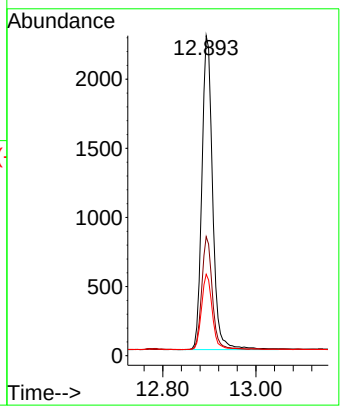


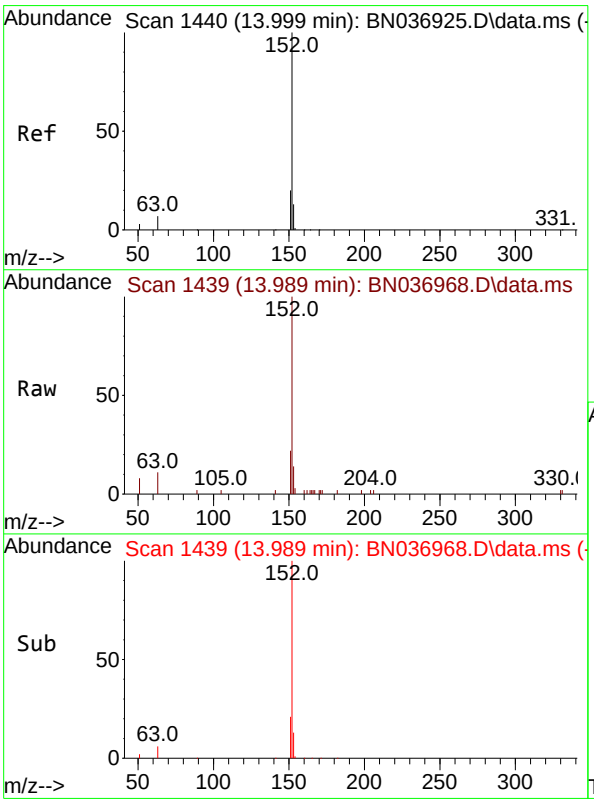
#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:172 Resp: 4034

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	25.5	19.4	29.0

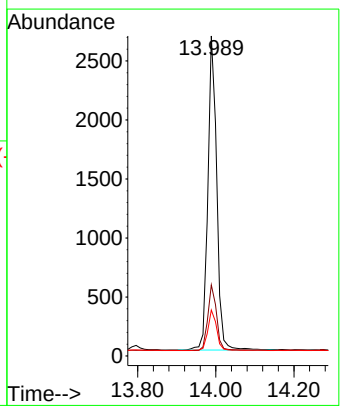


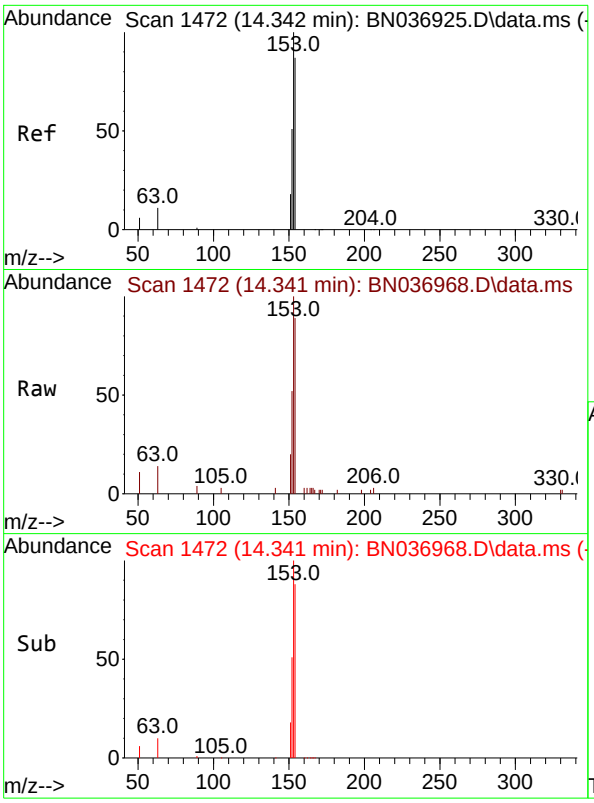


#16
Acenaphthylene
Concen: 0.376 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:152 Resp: 4212

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	12.7	10.2	15.2



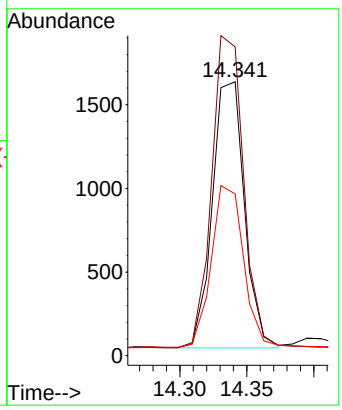


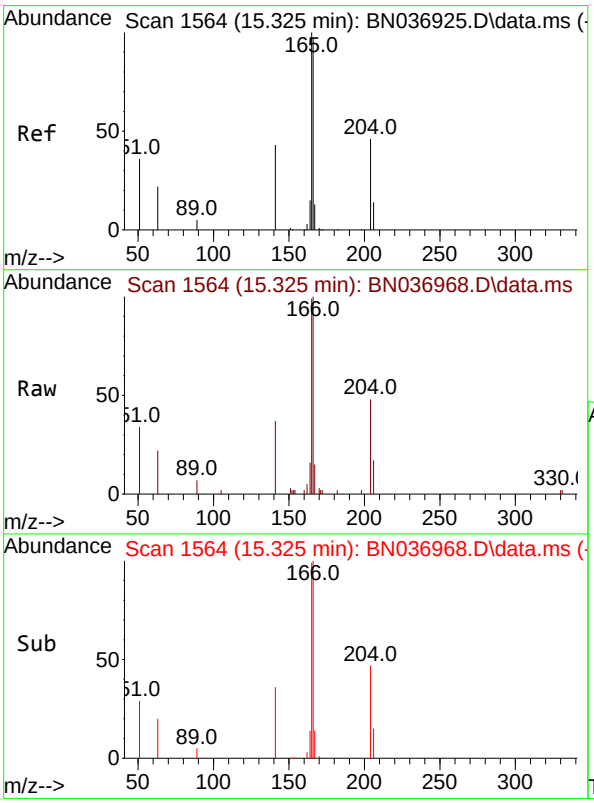
#17
Acenaphthene
Concen: 0.359 ng
RT: 14.341 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:154 Resp: 2643

Ion	Ratio	Lower	Upper
154	100		
153	117.6	93.4	140.2
152	62.4	49.5	74.3

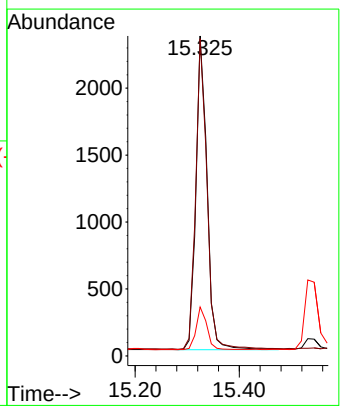


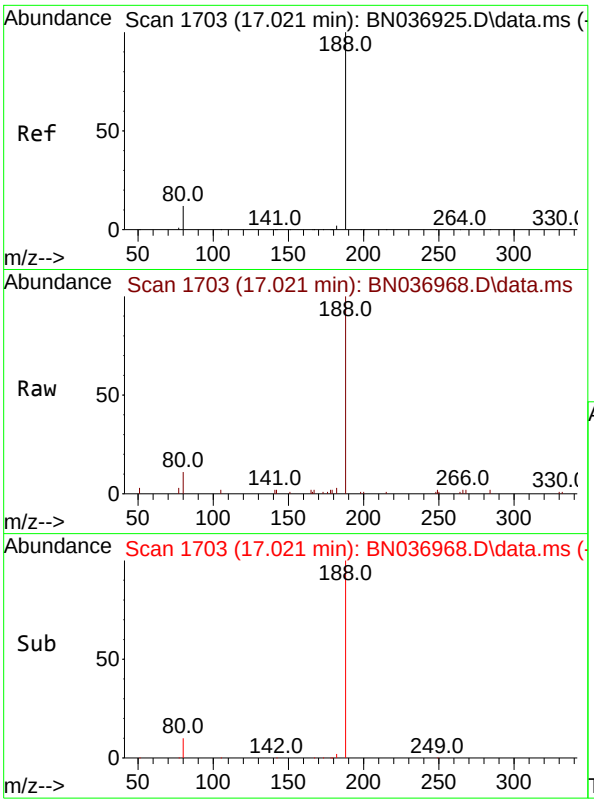


#18
Fluorene
Concen: 0.362 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:166 Resp: 3484

Ion	Ratio	Lower	Upper
166	100		
165	99.9	80.8	121.2
167	13.1	10.8	16.2



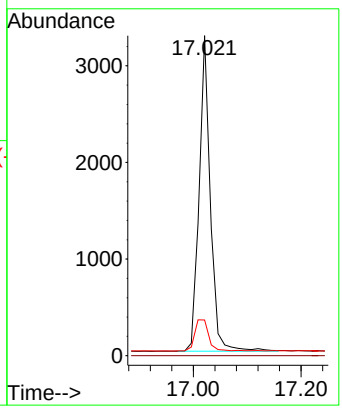


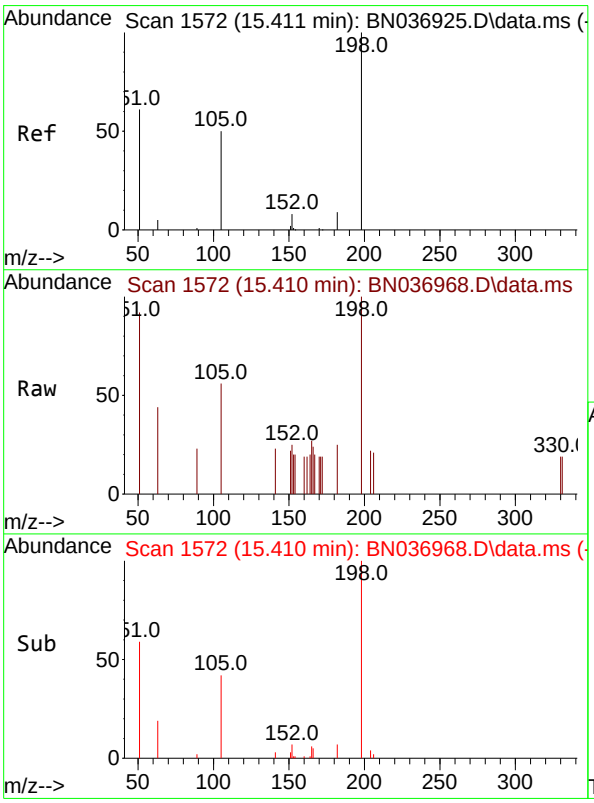
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:188 Resp: 4738

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	10.7	16.1

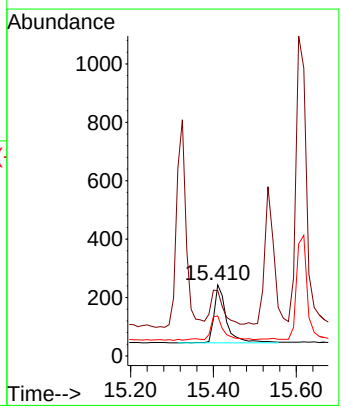


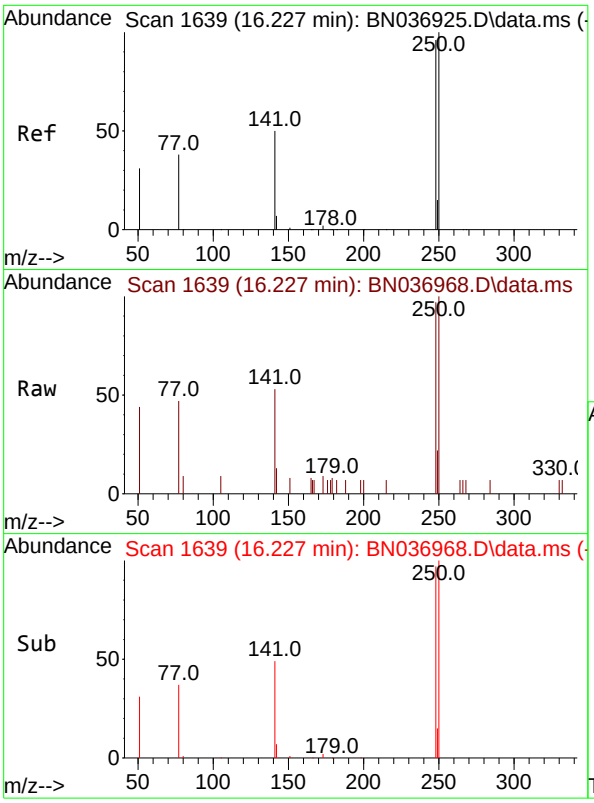


#20
4,6-Dinitro-2-methylphenol
Concen: 0.331 ng
RT: 15.410 min Scan# 1572
Delta R.T. -0.001 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:198 Resp: 415

Ion	Ratio	Lower	Upper
198	100		
51	92.2	97.9	146.9#
105	56.4	50.0	75.0



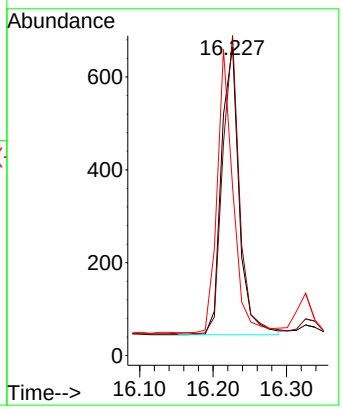


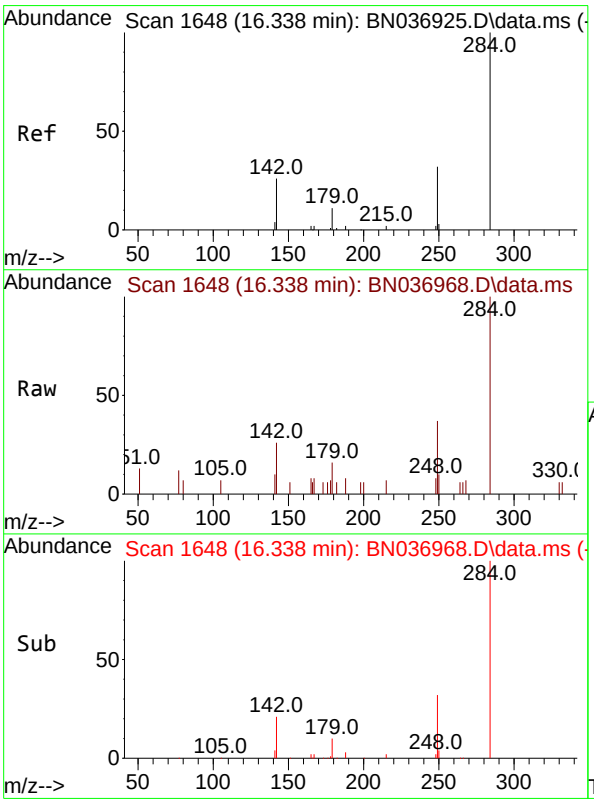
#21
4-Bromophenyl-phenylether
Concen: 0.329 ng
RT: 16.227 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:248 Resp: 1041

Ion	Ratio	Lower	Upper
248	100		
250	103.6	83.7	125.5
141	54.6	43.8	65.8

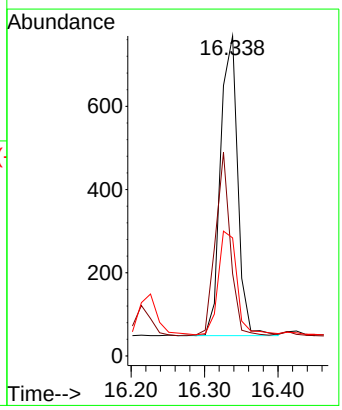


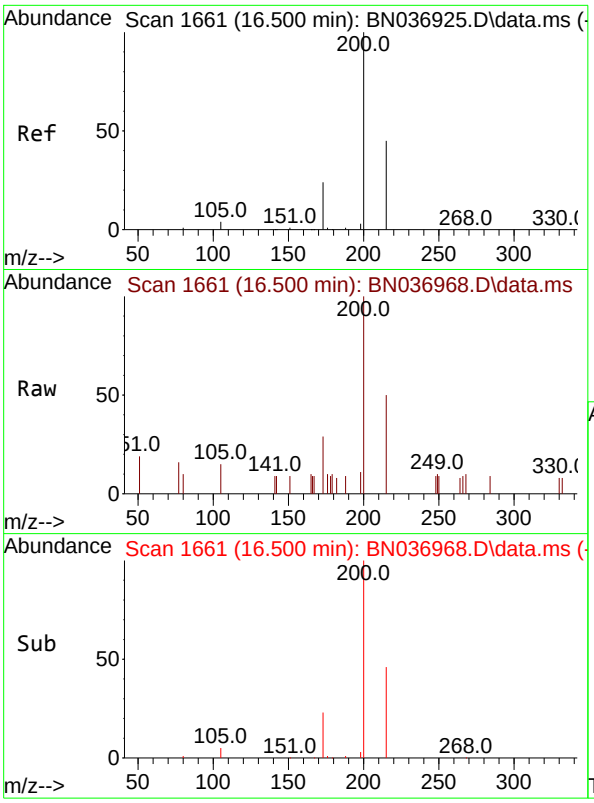


#22
Hexachlorobenzene
Concen: 0.338 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:284 Resp: 1170

Ion	Ratio	Lower	Upper
284	100		
142	54.2	40.0	60.0
249	37.8	28.2	42.2



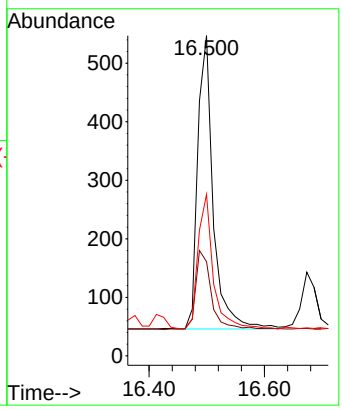


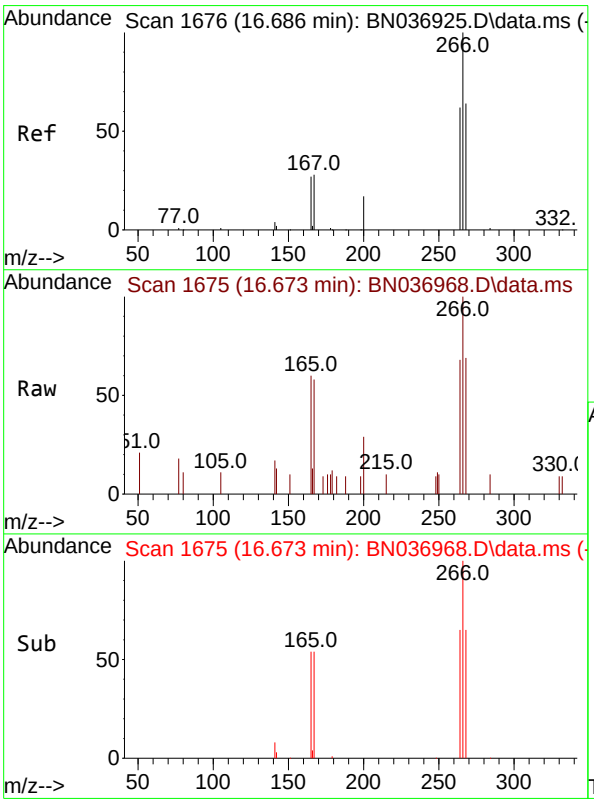
#23
Atrazine
Concen: 0.366 ng
RT: 16.500 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:200 Resp: 934

Ion	Ratio	Lower	Upper
200	100		
173	29.4	22.4	33.6
215	50.5	38.6	57.8

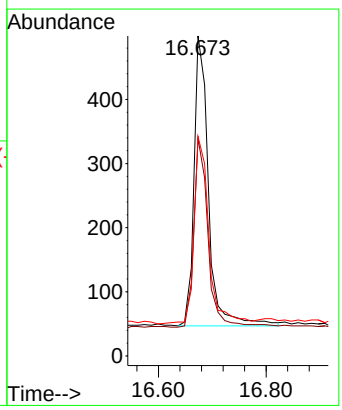


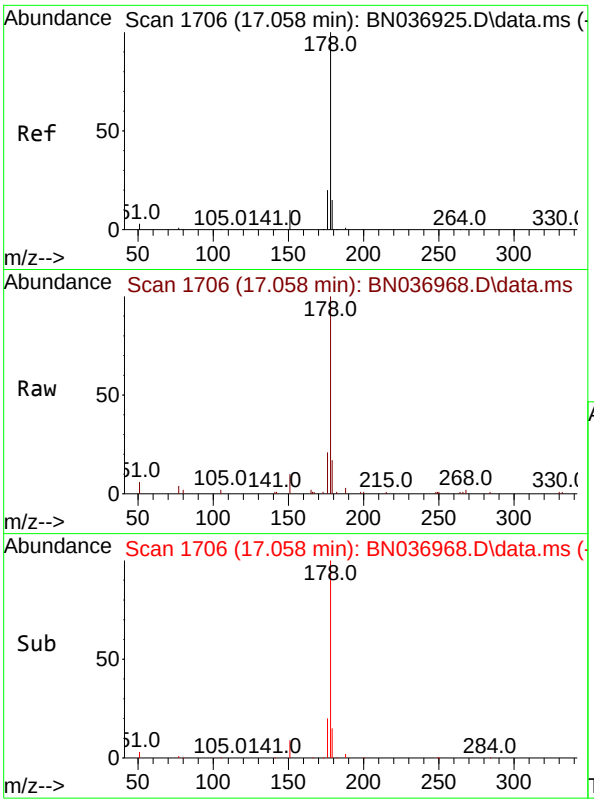


#24
Pentachlorophenol
Concen: 0.455 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:266 Resp: 845

Ion	Ratio	Lower	Upper
266	100		
264	63.8	49.9	74.9
268	66.0	52.2	78.4



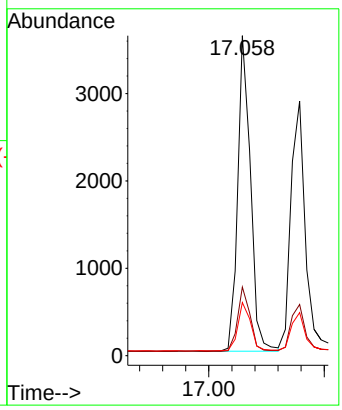


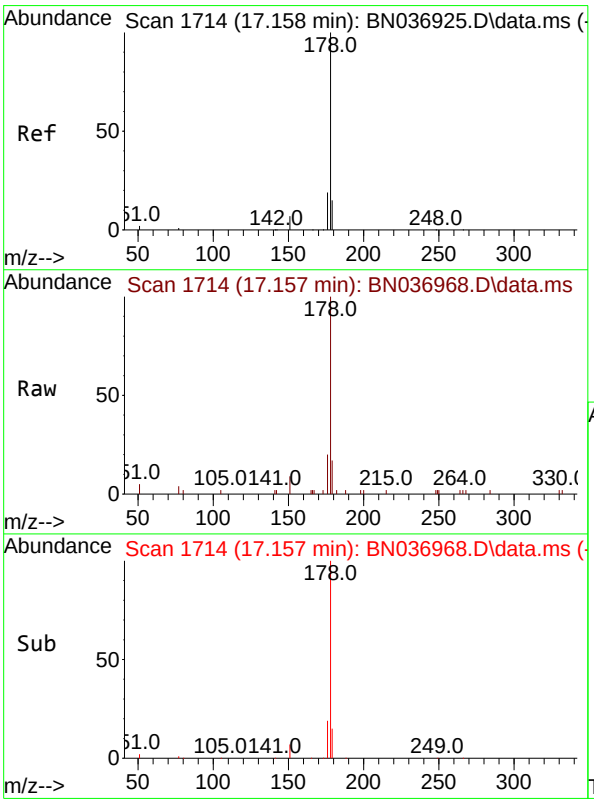
#25
Phenanthrene
Concen: 0.353 ng
RT: 17.058 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:178 Resp: 5517

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.4	12.4	18.6

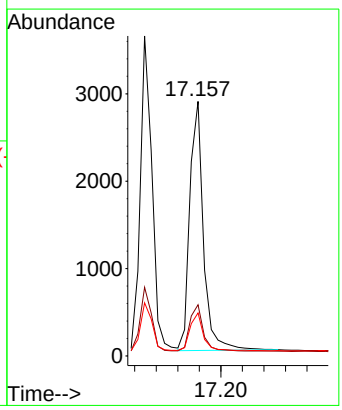


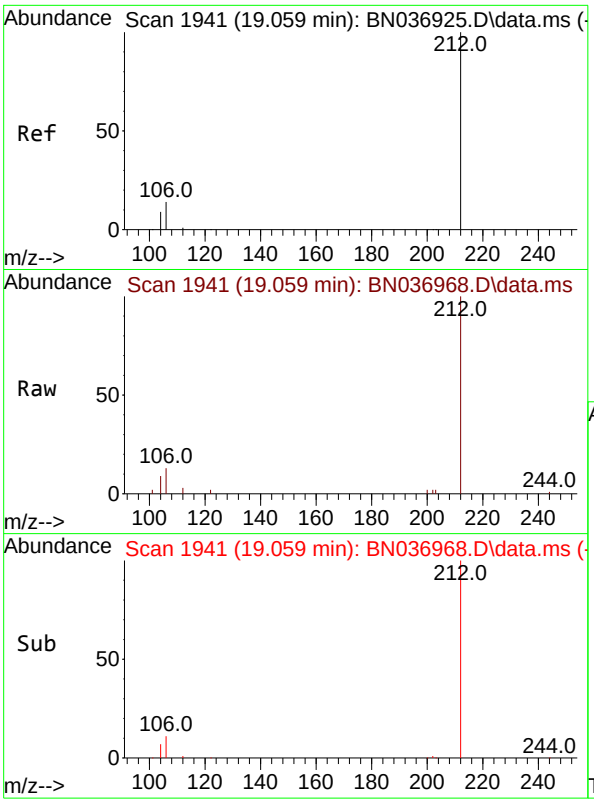


#26
Anthracene
Concen: 0.356 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:178 Resp: 5034

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.0	12.1	18.1



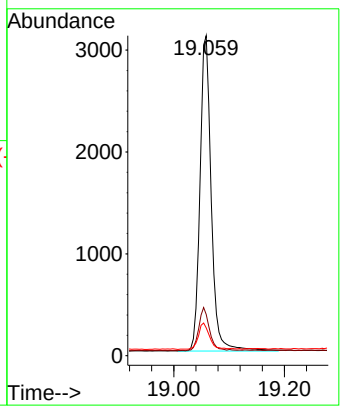


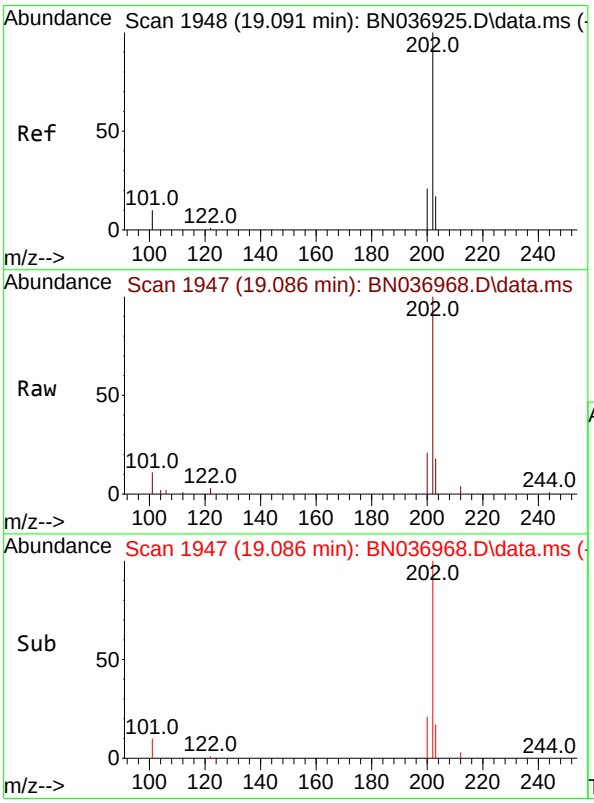
#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.059 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:212 Resp: 4382

Ion	Ratio	Lower	Upper
212	100		
106	12.9	11.6	17.4
104	8.4	7.0	10.4

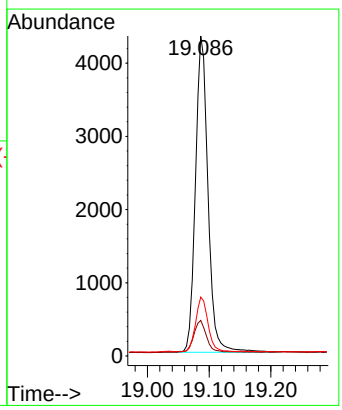


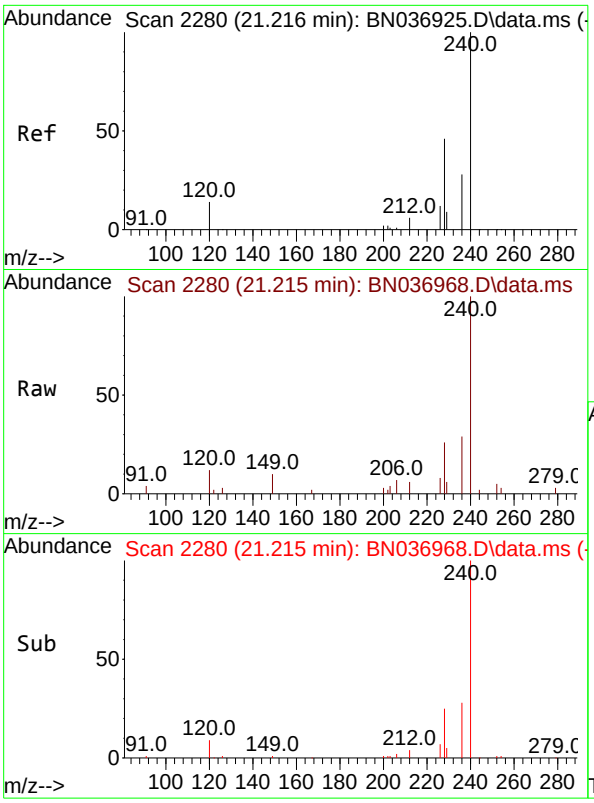


#28
Fluoranthene
Concen: 0.350 ng
RT: 19.086 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:202 Resp: 6135

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.5	12.7
203	17.1	13.7	20.5



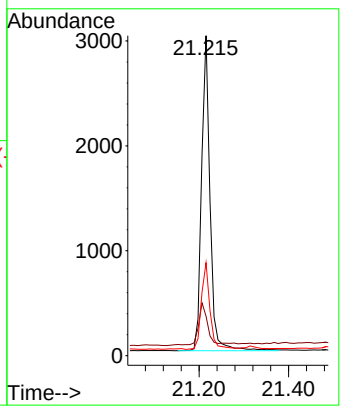


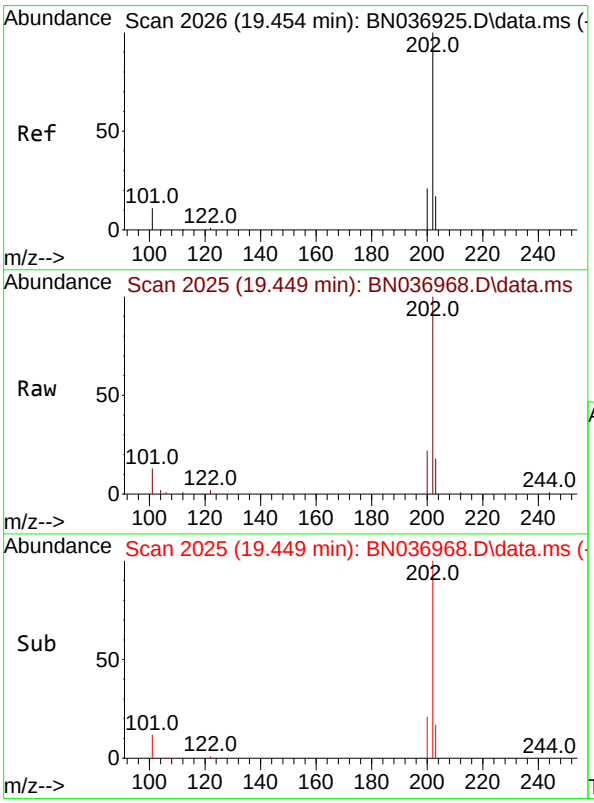
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:240 Resp: 3967

Ion	Ratio	Lower	Upper
240	100		
120	12.3	14.1	21.1#
236	29.0	23.8	35.8

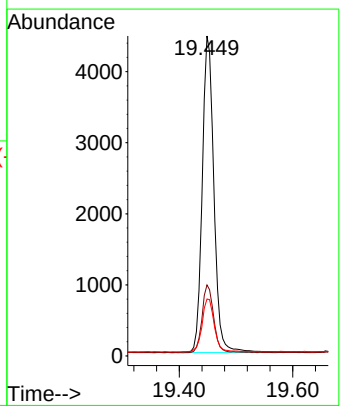


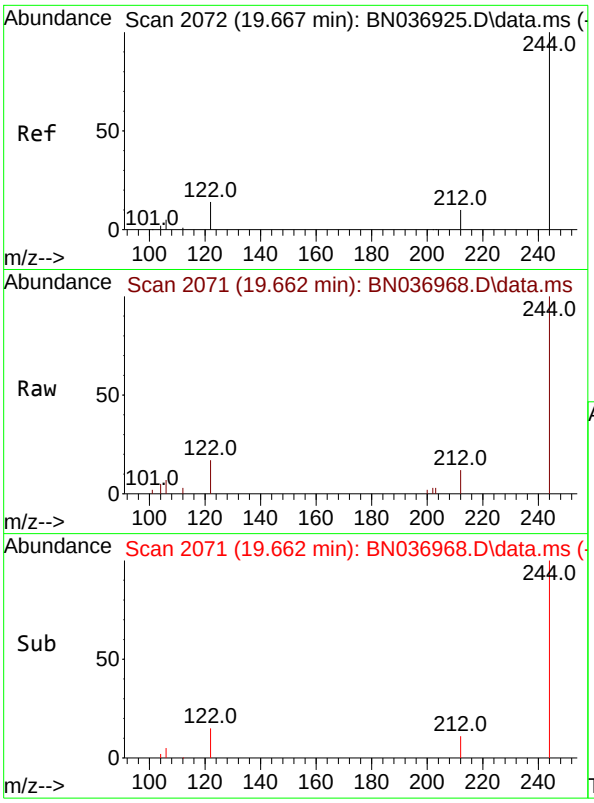


#30
Pyrene
Concen: 0.332 ng
RT: 19.449 min Scan# 2025
Delta R.T. -0.005 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:202 Resp: 6349

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.6	14.0	21.0



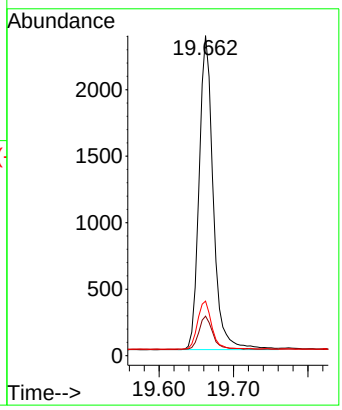


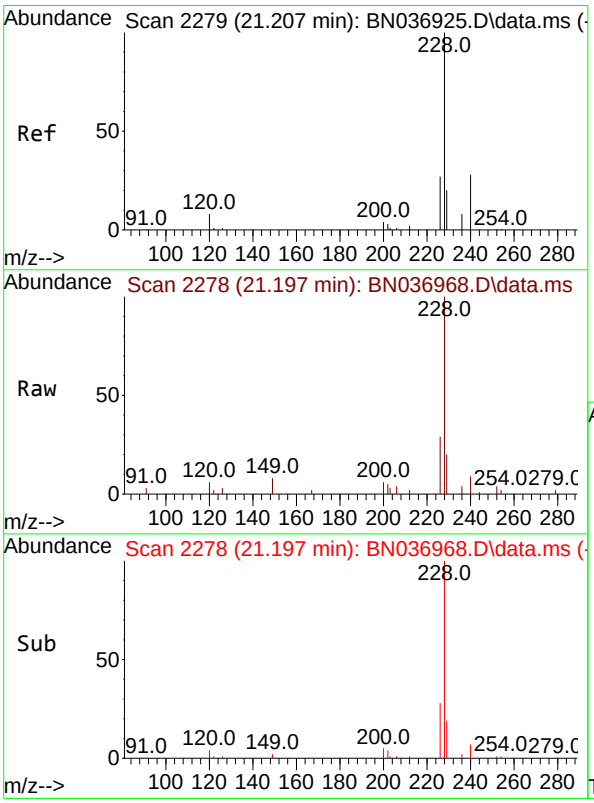
#31
Terphenyl-d14
Concen: 0.333 ng
RT: 19.662 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:244 Resp: 3115

Ion	Ratio	Lower	Upper
244	100		
212	12.3	9.6	14.4
122	17.0	12.7	19.1

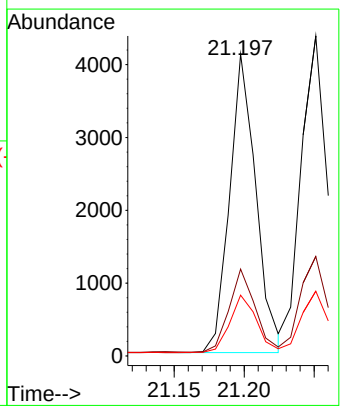


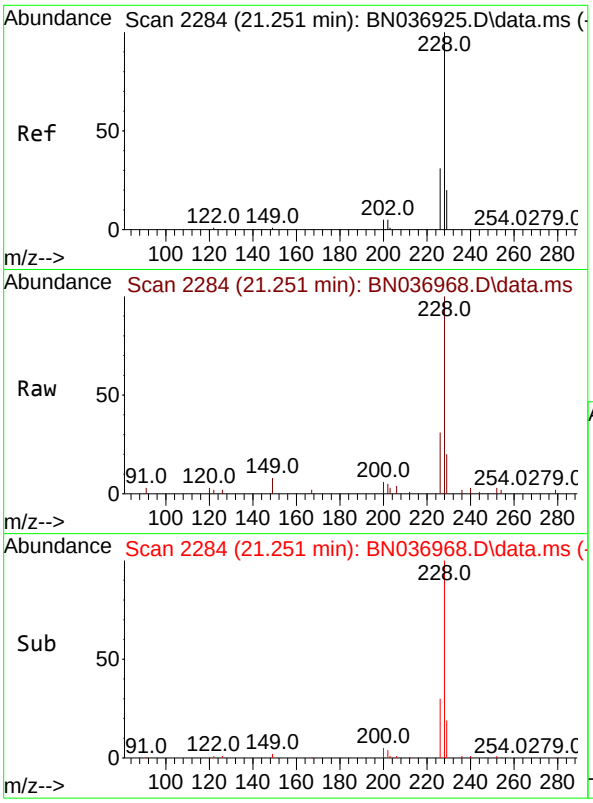


#32
Benzo(a)anthracene
Concen: 0.367 ng
RT: 21.197 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:228 Resp: 5360

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.4
229	20.1	16.4	24.6



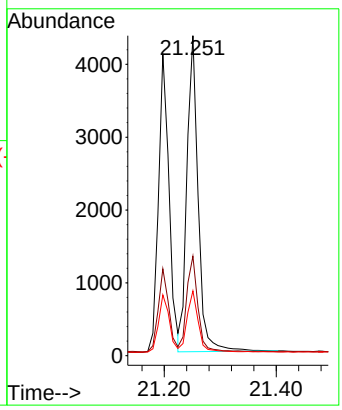


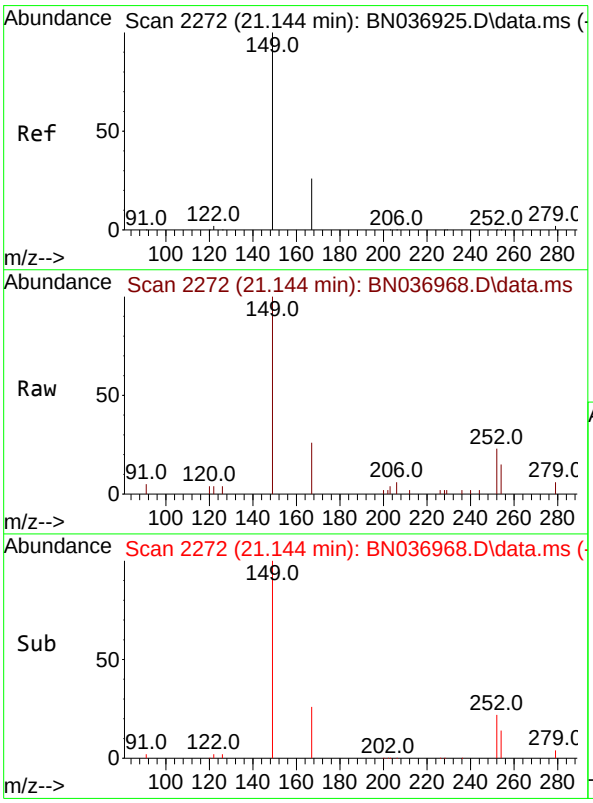
#33
Chrysene
Concen: 0.384 ng
RT: 21.251 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:228 Resp: 6044

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.5	38.3
229	20.3	16.5	24.7

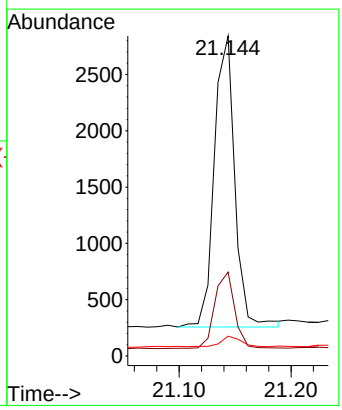


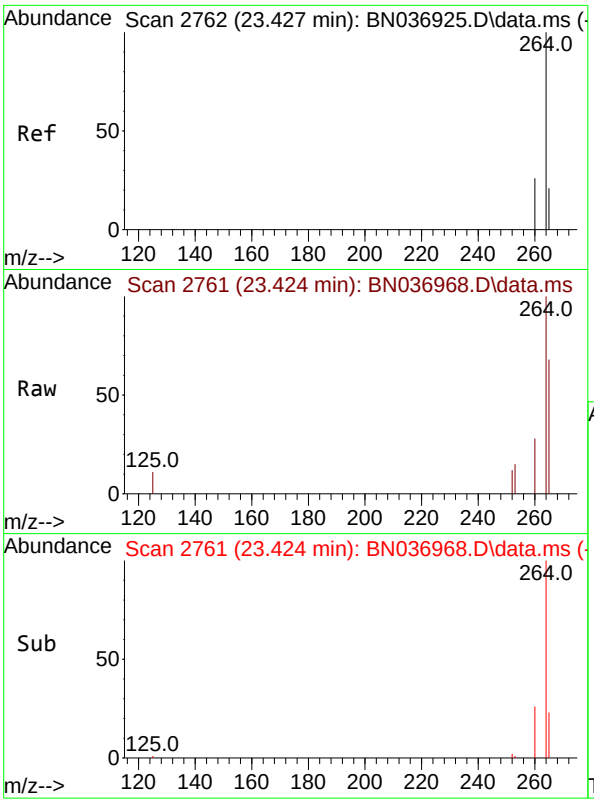


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 21.144 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:149 Resp: 3286

Ion	Ratio	Lower	Upper
149	100		
167	25.5	21.0	31.6
279	3.5	2.7	4.1



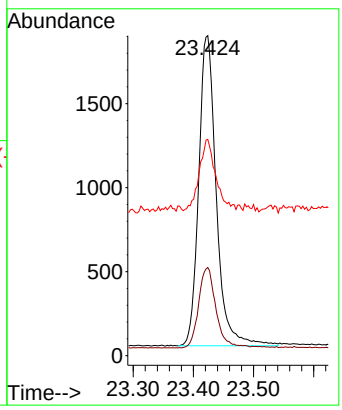


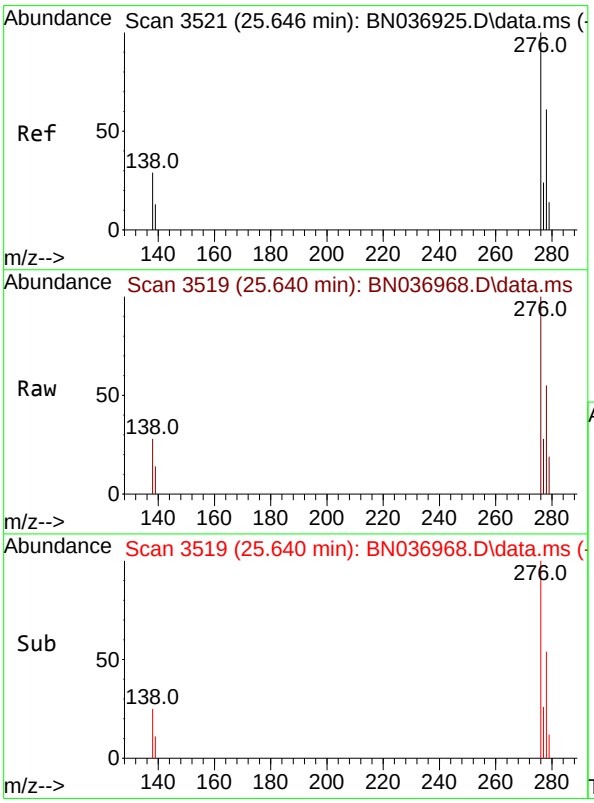
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:264 Resp: 3741

Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.2	33.2
265	67.6	65.8	98.6

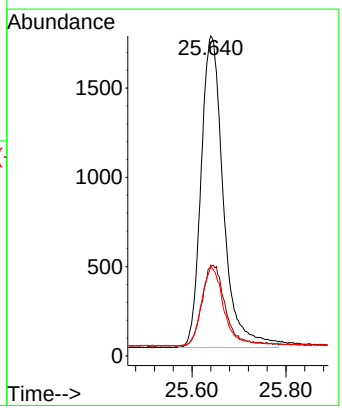


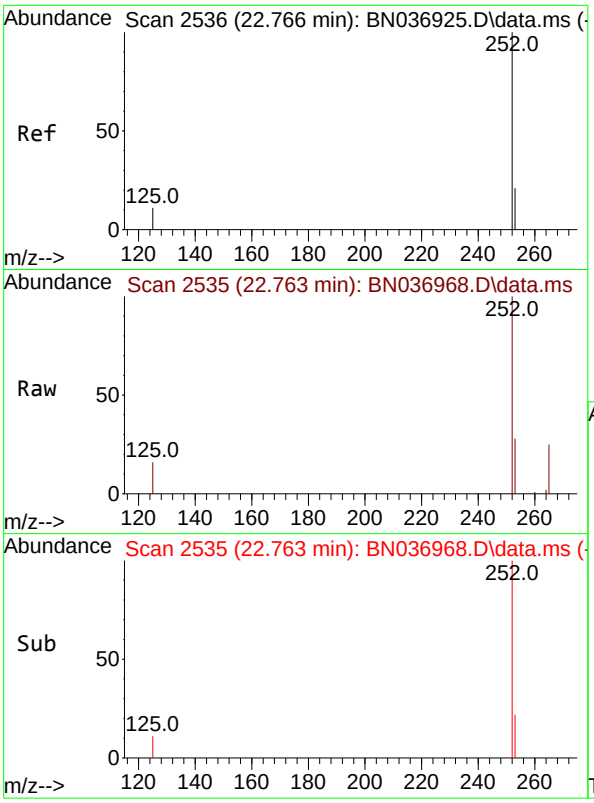


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.378 ng
RT: 25.640 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:276 Resp: 5772

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.0	34.6
277	25.0	20.0	30.0



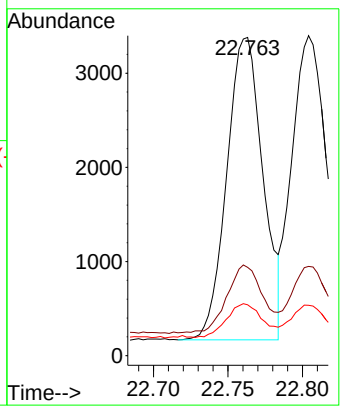


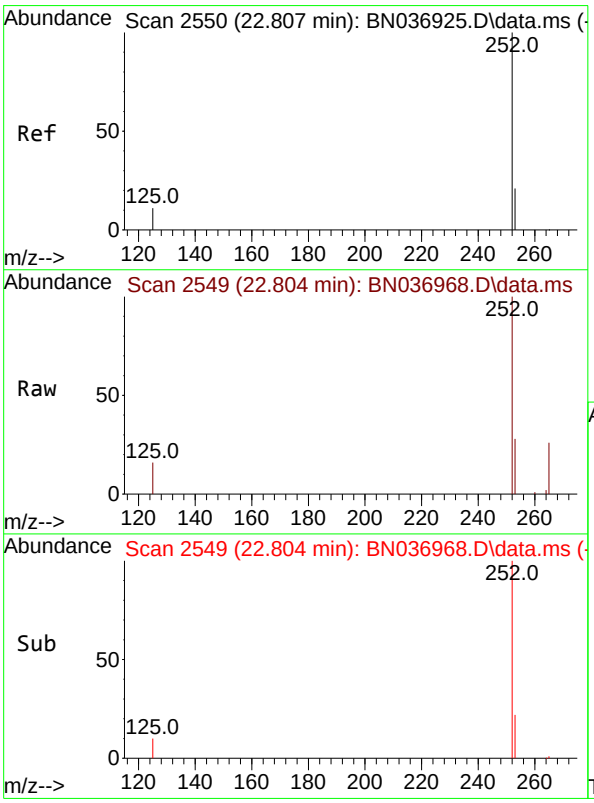
#37
Benzo(b)fluoranthene
Concen: 0.345 ng
RT: 22.763 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:252 Resp: 5433

Ion	Ratio	Lower	Upper
252	100		
253	27.8	22.1	33.1
125	16.0	14.2	21.2

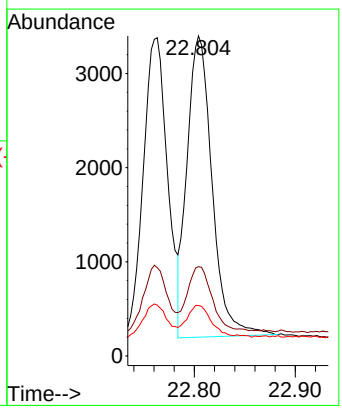


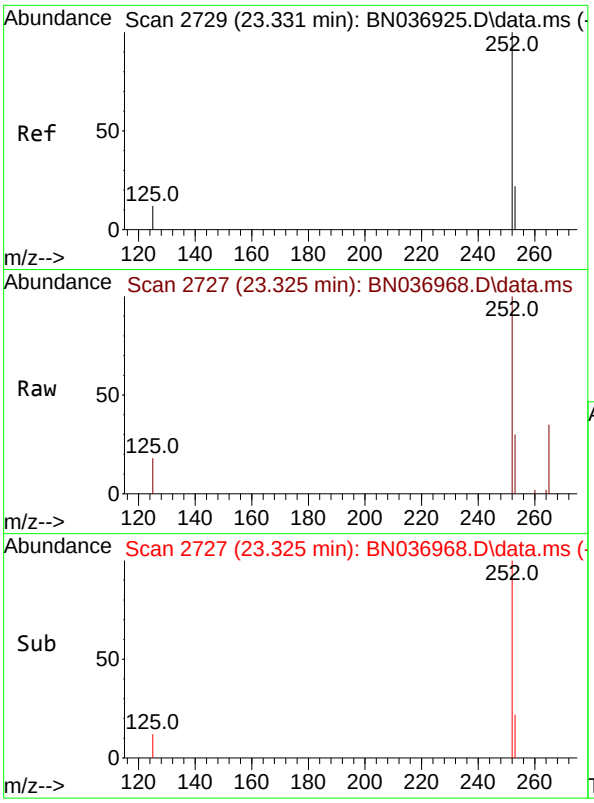


#38
Benzo(k)fluoranthene
Concen: 0.349 ng
RT: 22.804 min Scan# 2549
Delta R.T. -0.003 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:252 Resp: 5521

Ion	Ratio	Lower	Upper
252	100		
253	27.9	22.8	34.2
125	15.8	14.2	21.2



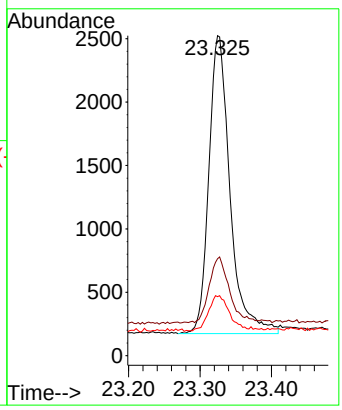


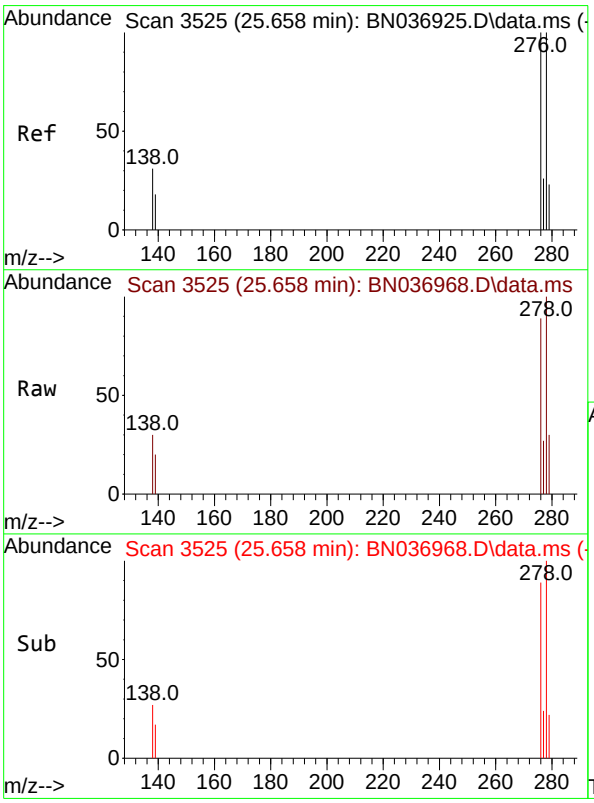
#39
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.325 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:252 Resp: 4842

Ion	Ratio	Lower	Upper
252	100		
253	30.3	25.9	38.9
125	18.4	17.4	26.0

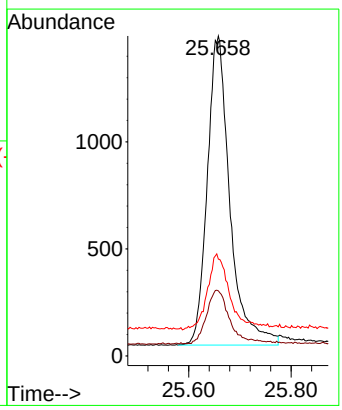


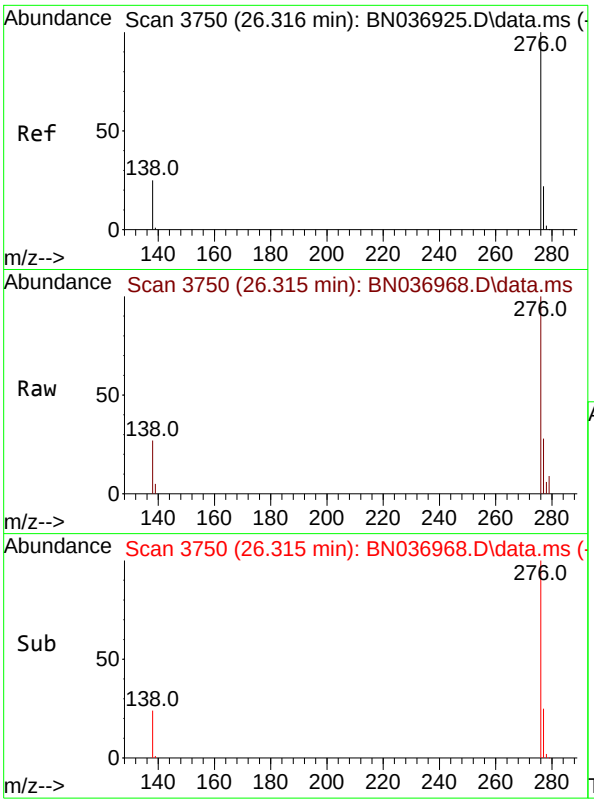


#40
Dibenzo(a,h)anthracene
Concen: 0.368 ng
RT: 25.658 min Scan# 3525
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Tgt Ion:278 Resp: 4428

Ion	Ratio	Lower	Upper
278	100		
139	20.3	17.4	26.2
279	30.2	24.9	37.3





#41
Benzo(g,h,i)perylene
Concen: 0.347 ng
RT: 26.315 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN036968.D
Acq: 07 May 2025 18:10

Instrument :
BNA_N
ClientSampleId :
PB167888BSD

Tgt Ion:276 Resp: 4624

Ion	Ratio	Lower	Upper
276	100		
277	28.0	20.2	30.2
138	27.4	21.9	32.9