Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
Data File : BN037879.D
Acq On : 24 Sep 2025 17:39
Operator : RC/JU
Sample : PB169712BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 24 18:17:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	6389	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	17022	0.400	ng	# 0.00
13) Acenaphthene-d10	14.484	164	8044	0.400	ng	0.01
19) Phenanthrene-d10	17.223	188	15051	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	9285	0.400	ng	0.00
35) Perylene-d12	23.738	264	6873	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	5104	0.350	ng	0.01
5) Phenol-d6	6.980	99	6317	0.330	ng	0.00
8) Nitrobenzene-d5	8.982	82	4564	0.352	ng	0.01
11) 2-Methylnaphthalene-d10	12.222	152	7934	0.336	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	702	0.230	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	12488	0.379	ng	0.01
27) Fluoranthene-d10	19.257	212	10866	0.287	ng	0.00
31) Terphenyl-d14	19.856	244	7873	0.426	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2034	0.314	ng	# 67
3) n-Nitrosodimethylamine	3.600	42	2810	0.326	ng	# 91
6) bis(2-Chloroethyl)ether	7.248	93	6245	0.351	ng	99
9) Naphthalene	10.679	128	16507	0.352	ng	99
10) Hexachlorobutadiene	10.978	225	3009	0.376	ng	# 99
12) 2-Methylnaphthalene	12.298	142	9242	0.302	ng	98
16) Acenaphthylene	14.195	152	14148	0.387	ng	99
17) Acenaphthene	14.537	154	8794	0.338	ng	100
18) Fluorene	15.522	166	10857	0.345	ng	99
20) 4,6-Dinitro-2-methylph...	15.597	198	547	0.352	ng	# 80
21) 4-Bromophenyl-phenylether	16.416	248	3337	0.340	ng	# 86
22) Hexachlorobenzene	16.540	284	4448	0.374	ng	98
23) Atrazine	16.689	200	2053	0.275	ng	95
24) Pentachlorophenol	16.875	266	1293	0.317	ng	94
25) Phenanthrene	17.260	178	17069	0.345	ng	99
26) Anthracene	17.359	178	14843	0.345	ng	100
28) Fluoranthene	19.290	202	15606	0.286	ng	100
30) Pyrene	19.647	202	15632	0.426	ng	100
32) Benzo(a)anthracene	21.393	228	11859	0.365	ng	99
33) Chrysene	21.447	228	13029	0.371	ng	98
34) Bis(2-ethylhexyl)phtha...	21.330	149	3217	0.251	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.121	276	11026	0.351	ng	99
37) Benzo(b)fluoranthene	23.034	252	11383	0.384	ng	# 93
38) Benzo(k)fluoranthene	23.081	252	10834	0.363	ng	# 92
39) Benzo(a)pyrene	23.636	252	8929	0.381	ng	# 90
40) Dibenzo(a,h)anthracene	26.133	278	8564	0.349	ng	94
41) Benzo(g,h,i)perylene	26.843	276	9560	0.371	ng	97

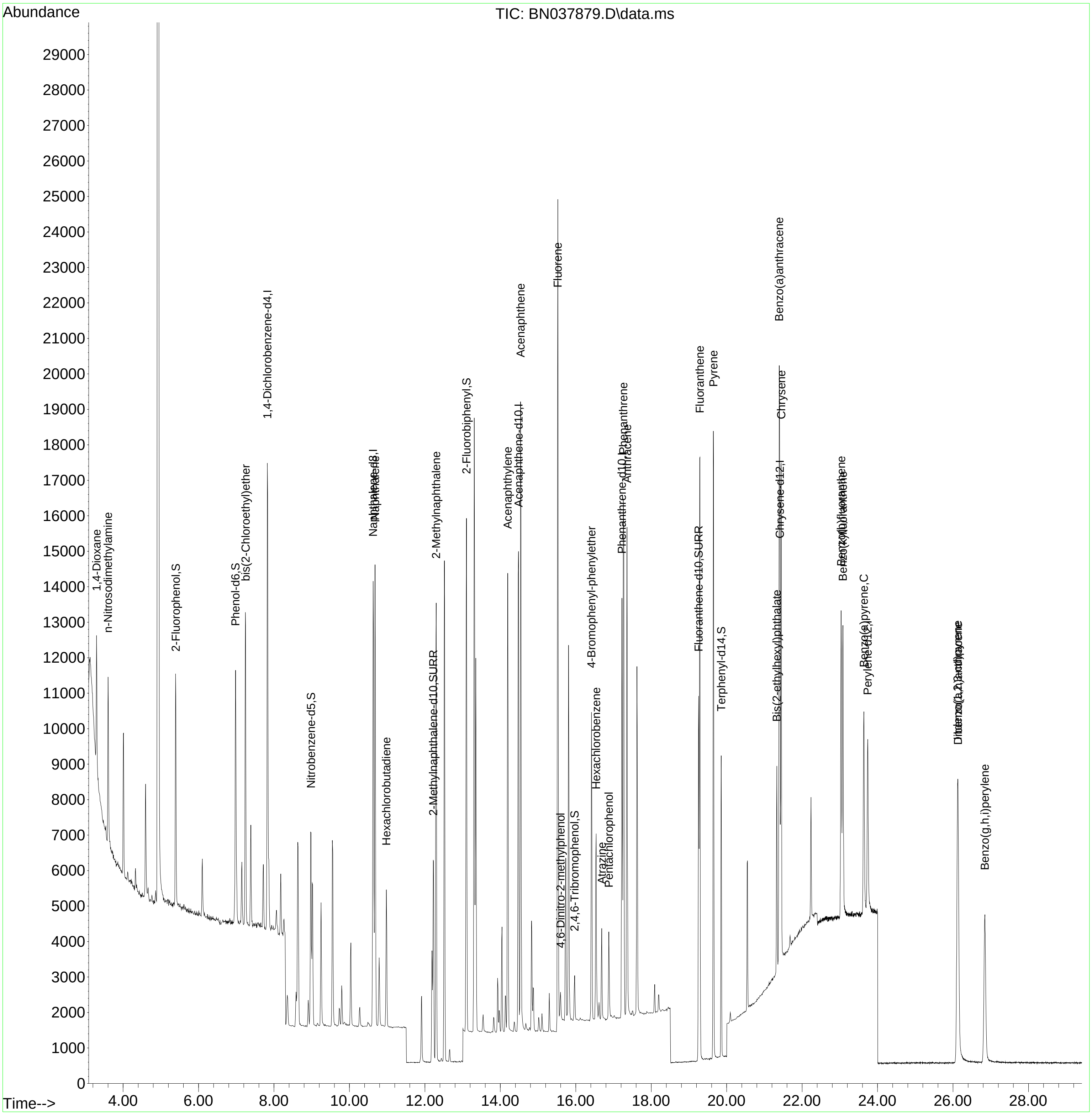
(#) = qualifier out of range (m) = manual integration (+) = signals summed

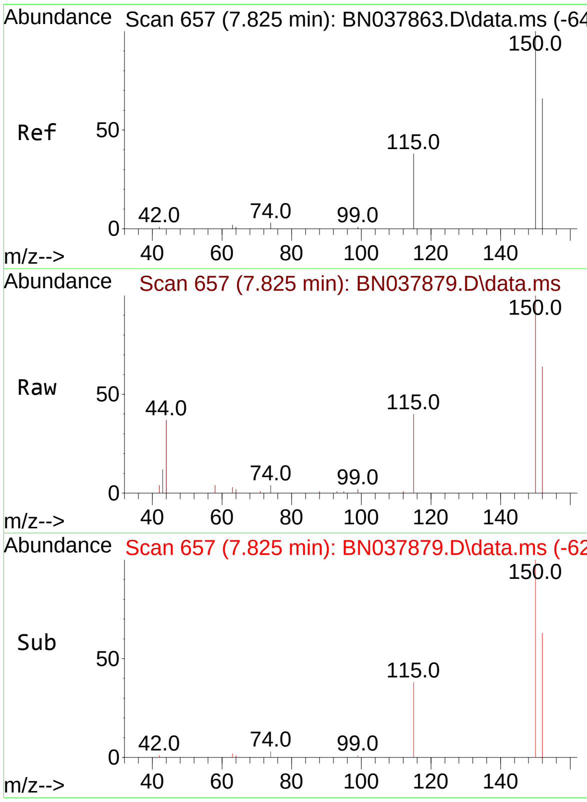
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
Data File : BN037879.D
Acq On : 24 Sep 2025 17:39
Operator : RC/JU
Sample : PB169712BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 24 18:17:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



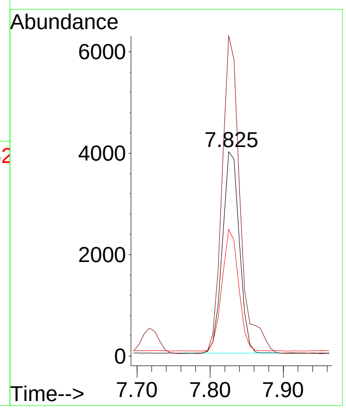


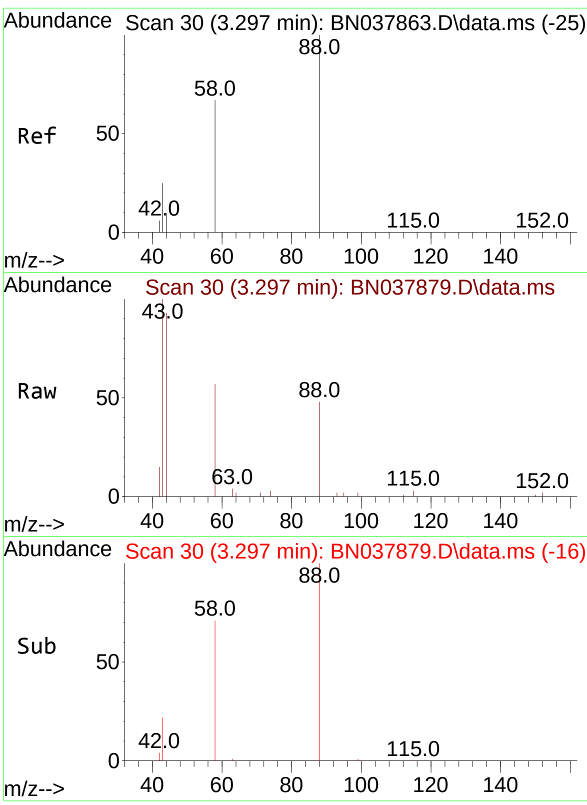
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6!
Delta R.T. 0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 6389

Ion	Ratio	Lower	Upper
152	100		
150	156.6	121.0	181.4
115	62.0	47.4	71.0

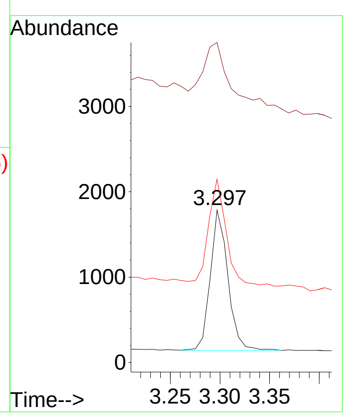


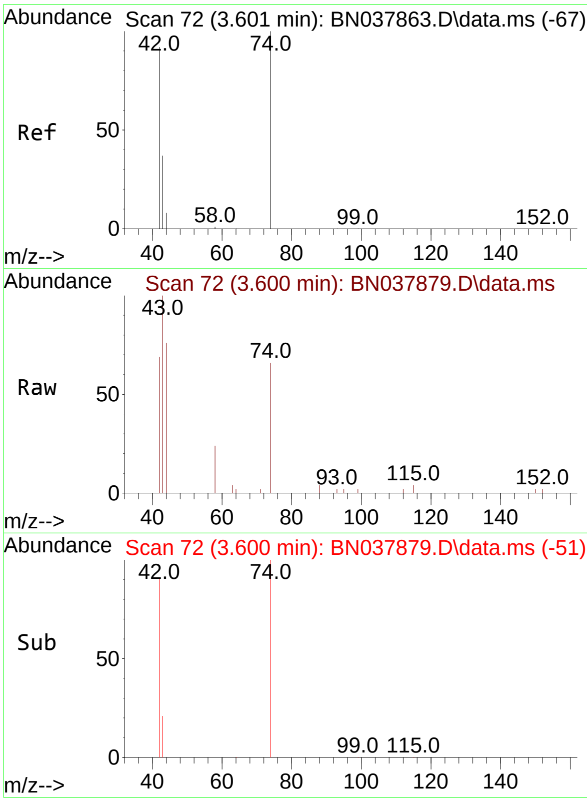


#2
1,4-Dioxane
Concen: 0.314 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion: 88 Resp: 2034

Ion	Ratio	Lower	Upper
88	100		
43	88.0	26.6	39.8#
58	77.0	58.9	88.3





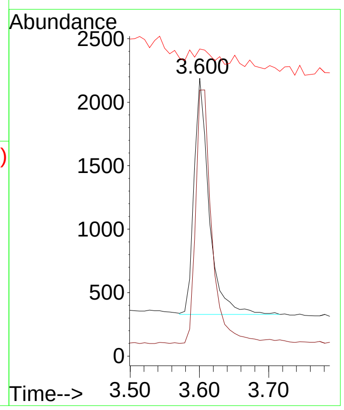
#3
n-Nitrosodimethylamine
Concen: 0.326 ng
RT: 3.600 min   Scan# 7

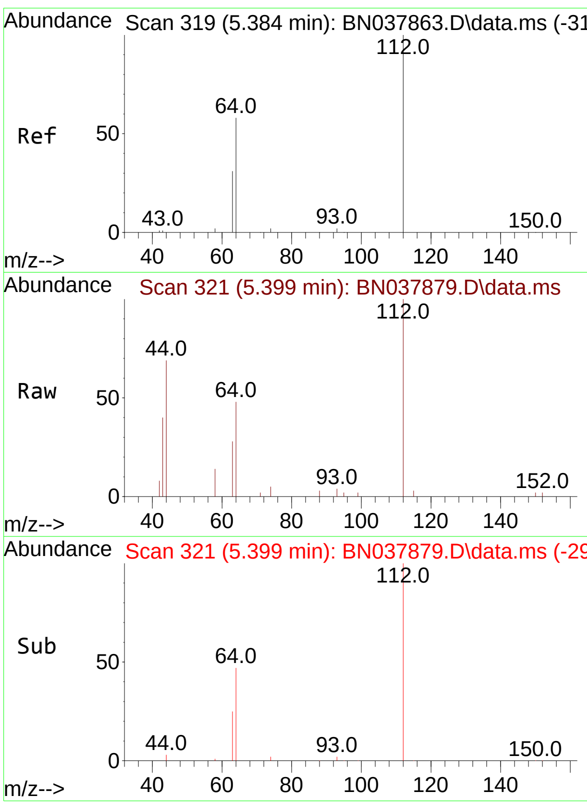
Instrument :
BNA_N
ClientSampleId :

Delta R.T.   -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025   17:39

Tgt Ion: 42 Resp: 2810

Ion	Ratio	Lower	Upper
42	100		
74	114.3	93.4	140.0
44	8.8	22.2	33.4#

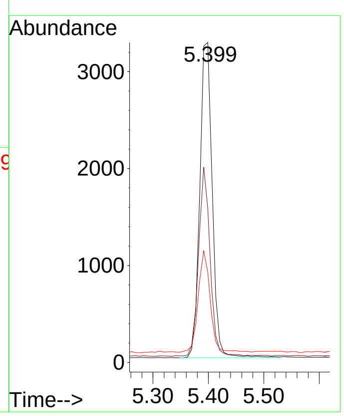


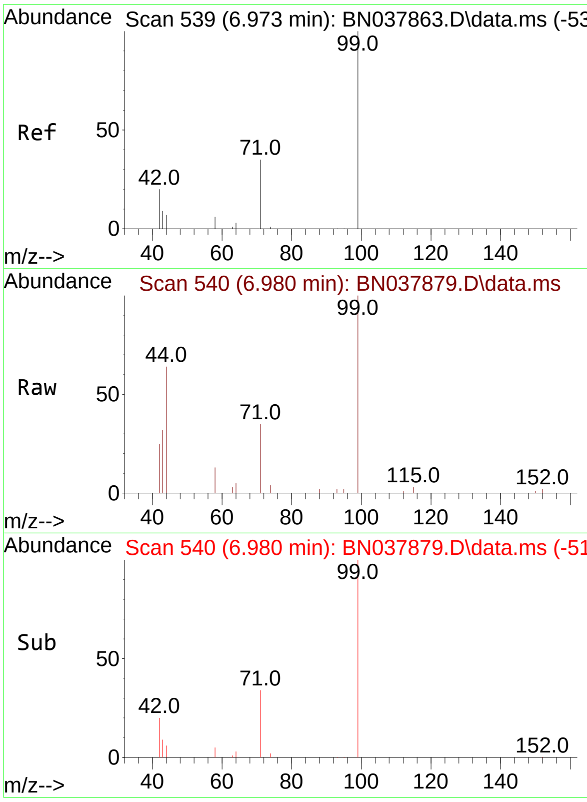


#4
2-Fluorophenol
Concen: 0.350 ng
RT: 5.399 min   Scan# 321
Delta R.T.   0.014 min
Lab File: BN037879.D
Acq: 24 Sep 2025   17:39

Tgt Ion:112 Resp: 5104

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	31.1	24.9	37.3





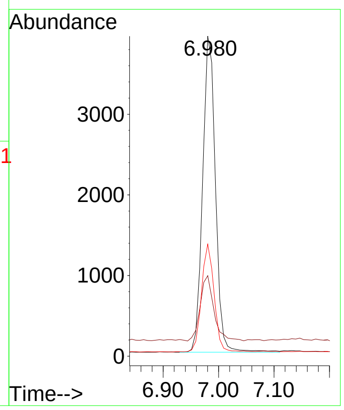
#5
Phenol-d6
Concen: 0.330 ng
RT: 6.980 min   Scan# 54

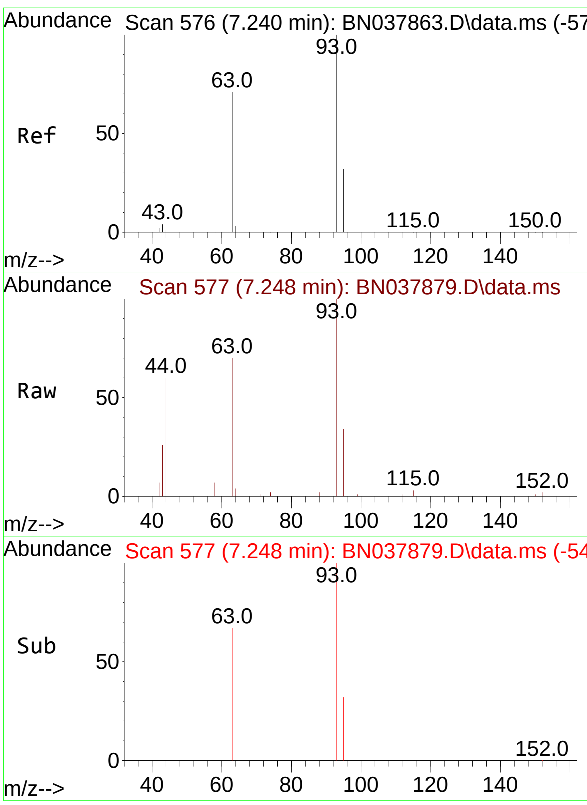
Instrument :
BNA_N
ClientSampleId :

Delta R.T.   0.007 min
Lab File: BN037879.D
Acq: 24 Sep 2025   17:39

Tgt Ion: 99 Resp: 6317

Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.2	25.8
71	33.6	27.3	40.9

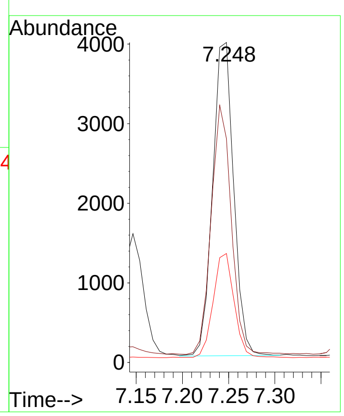


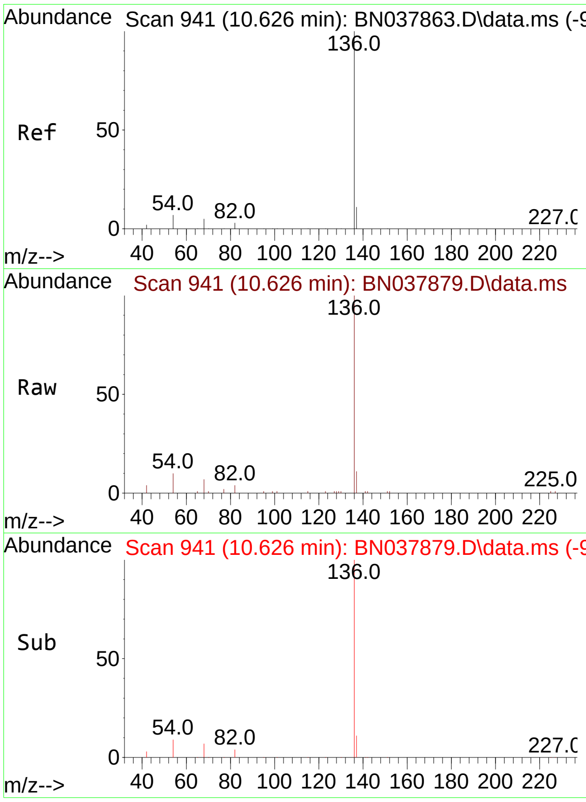


#6
bis(2-Chloroethyl)ether
Concen: 0.351 ng
RT: 7.248 min   Scan# 577
Delta R.T.   0.007 min
Lab File: BN037879.D
Acq: 24 Sep 2025   17:39

Tgt Ion: 93 Resp: 6245

Ion	Ratio	Lower	Upper
93	100		
63	75.9	60.1	90.1
95	33.2	25.4	38.2





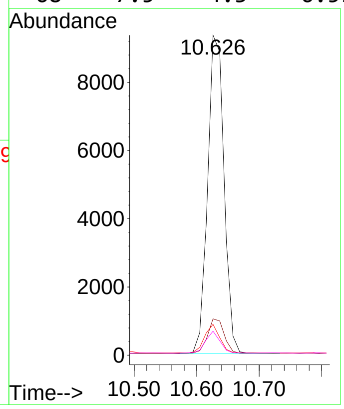
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94

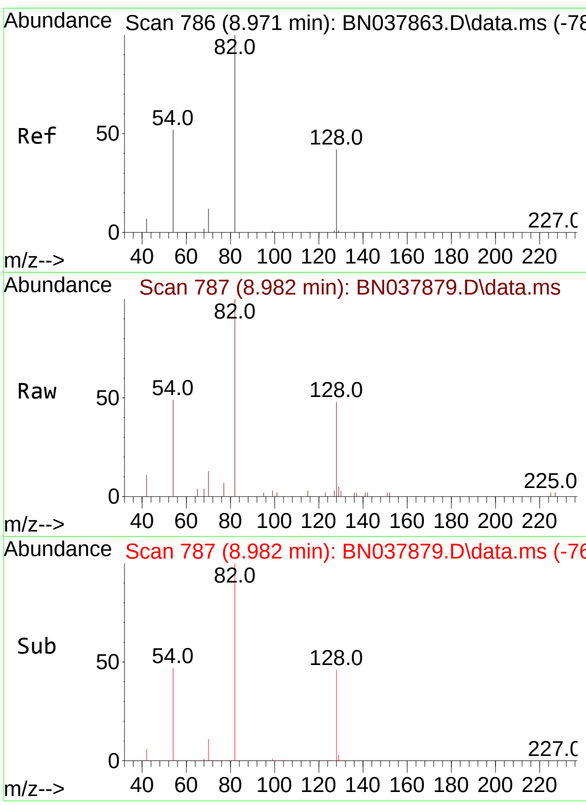
Instrument :
BNA_N
ClientSampleId :

Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:136 Resp: 17022

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.7	5.8	8.8#
68	7.5	4.3	6.5#

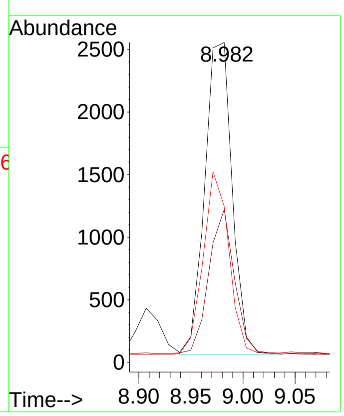


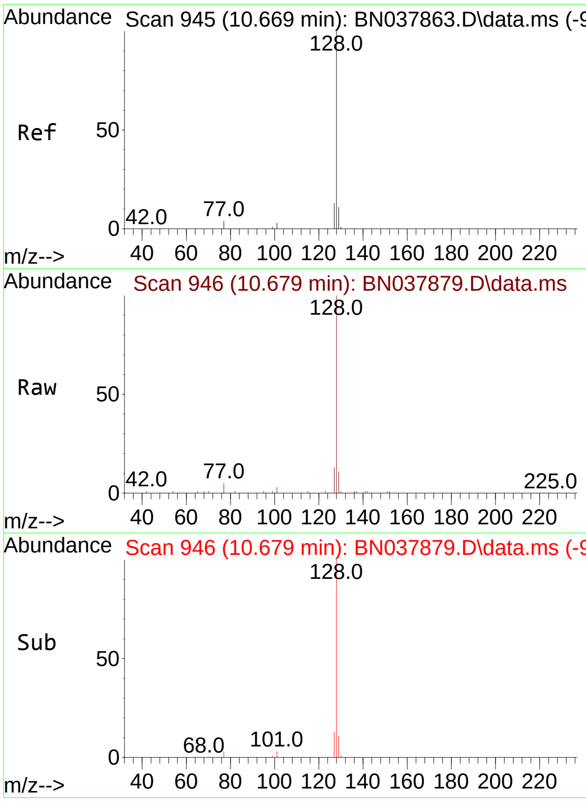


#8
Nitrobenzene-d5
Concen: 0.352 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.011 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion: 82 Resp: 4564

Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.8	52.2
54	48.7	42.2	63.2



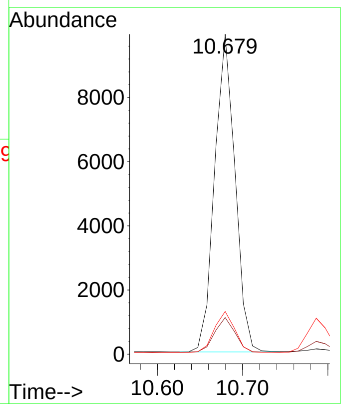


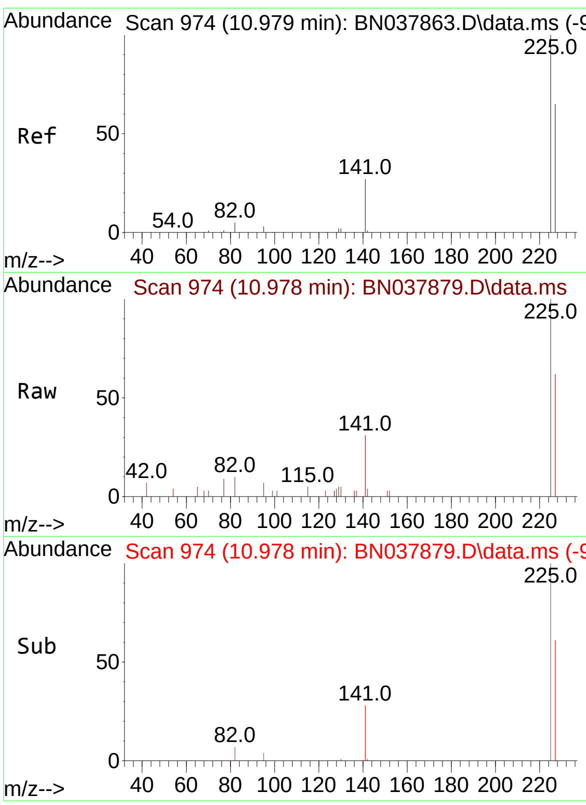
#9
Naphthalene
Concen: 0.352 ng
RT: 10.679 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 16507

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.3	11.0	16.6

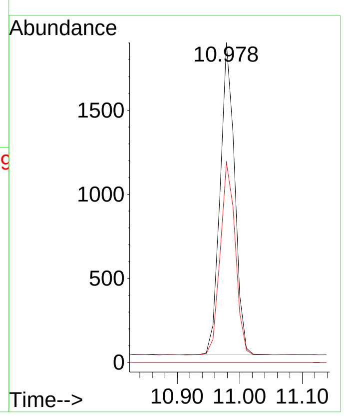


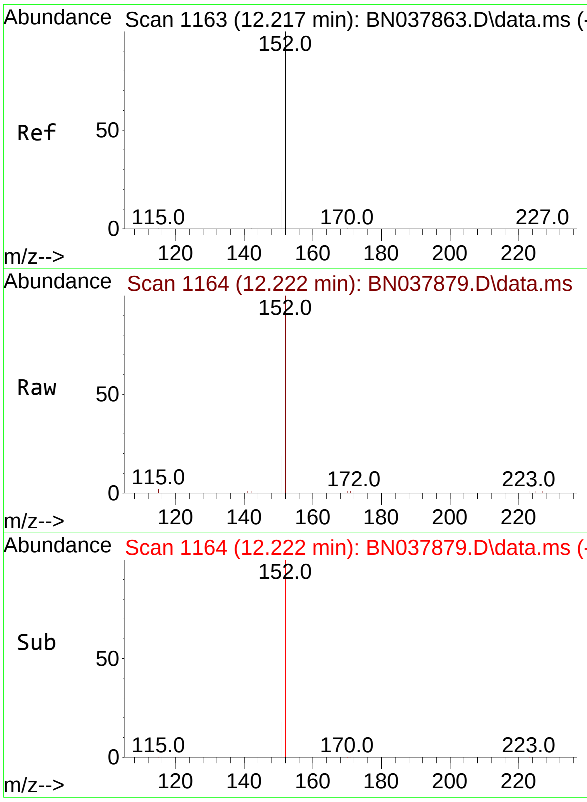


#10
Hexachlorobutadiene
Concen: 0.376 ng
RT: 10.978 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:225 Resp: 3009

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.4	77.2



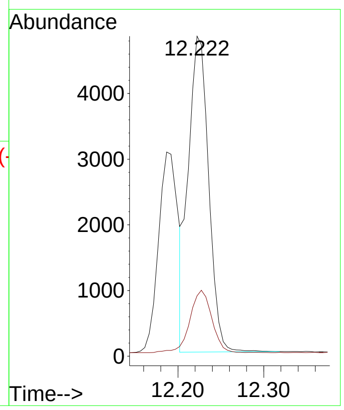


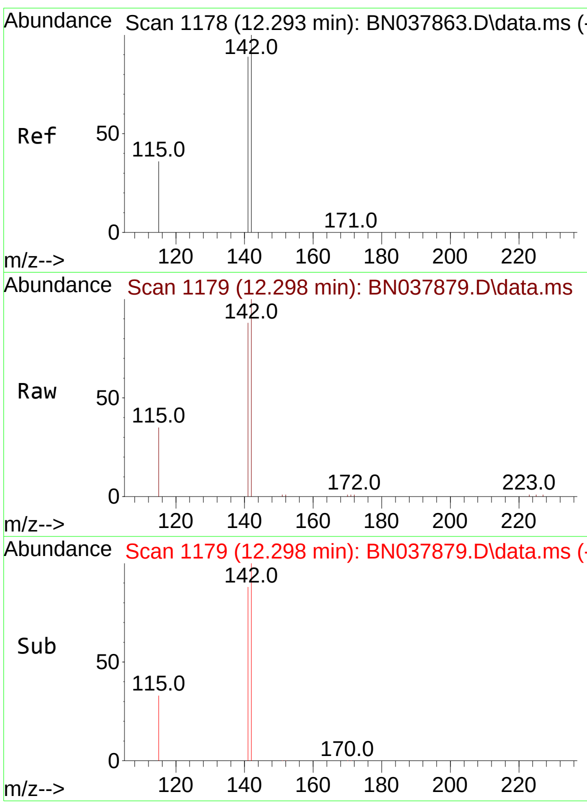
#11
2-Methylnaphthalene-d10
Concen: 0.336 ng
RT: 12.222 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7934

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.4	26.2

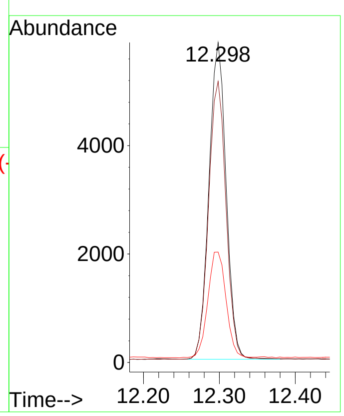


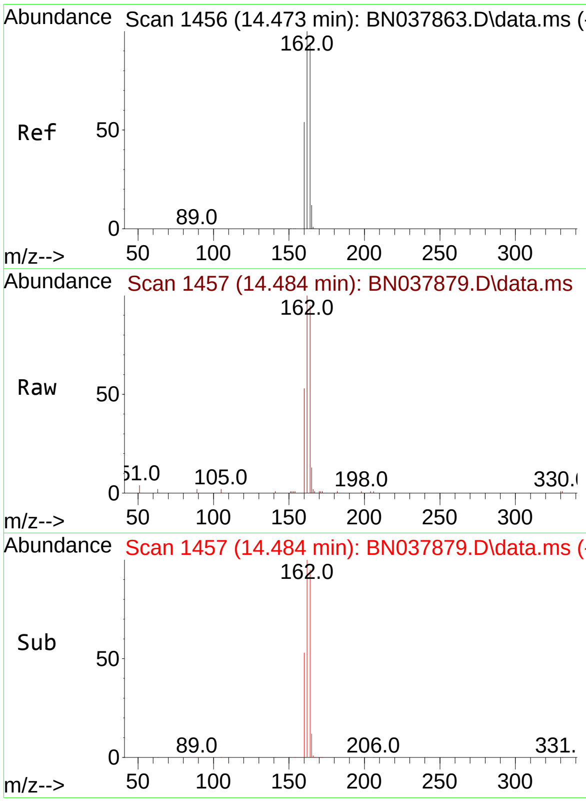


#12
2-Methylnaphthalene
Concen: 0.302 ng
RT: 12.298 min Scan# 1179
Delta R.T. 0.005 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:142 Resp: 9242

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.2	106.8
115	34.5	29.7	44.5

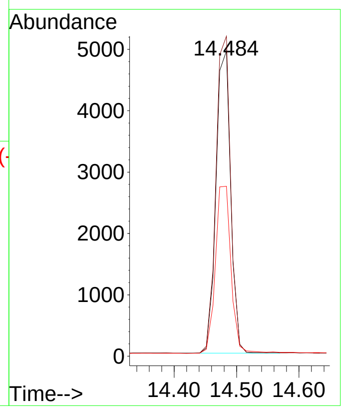


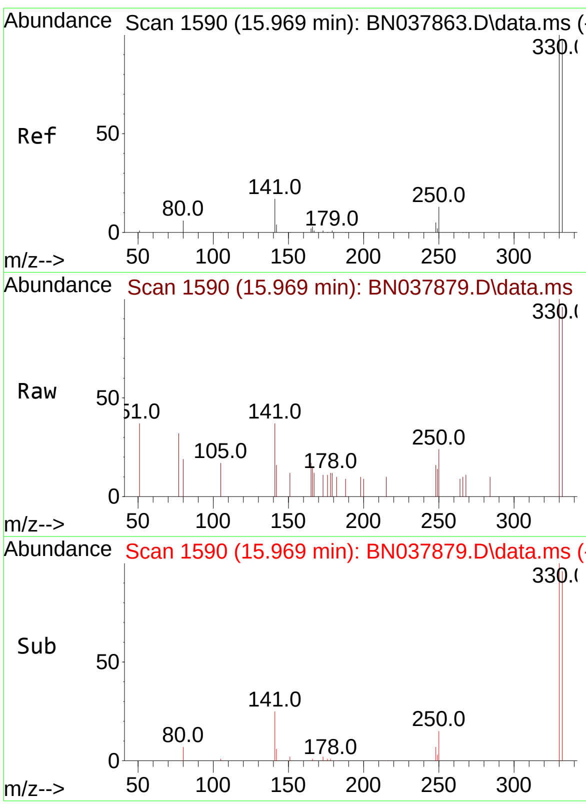



```
#13
Acenaphthene-d10
Concen:    0.400 ng
RT:  14.484 min  Scan# 14
Delta R.T.  0.011 min
Lab File:   BN037879.D
Acq: 24 Sep 2025  17:39

Tgt Ion:164 Resp:    8044
Ion  Ratio  Lower  Upper
164  100
162  104.8   84.8  127.2
160   55.7   46.1   69.1
```

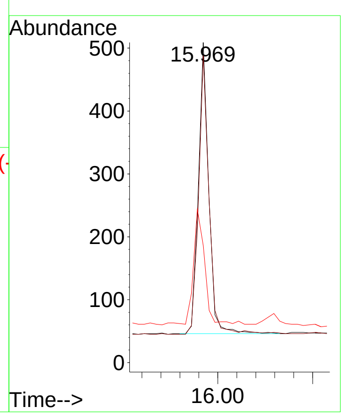
Instrument :
BNA_N
ClientSampleId :

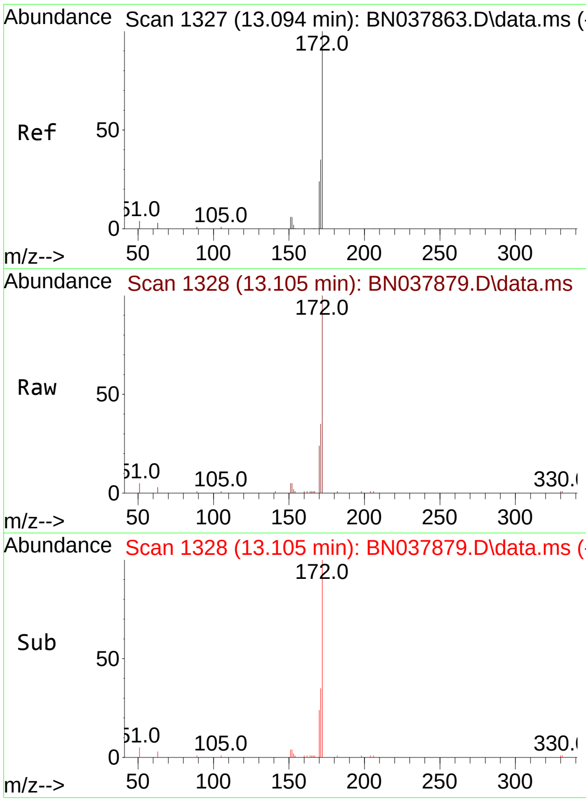





```
#14
2,4,6-Tribromophenol
Concen:    0.230 ng
RT:  15.969 min  Scan# 1590
Delta R.T.  0.000 min
Lab File:   BN037879.D
Acq: 24 Sep 2025  17:39

Tgt Ion:330 Resp:     702
Ion  Ratio  Lower  Upper
330  100
332   95.0   77.2  115.8
141   44.2   37.2   55.8
```





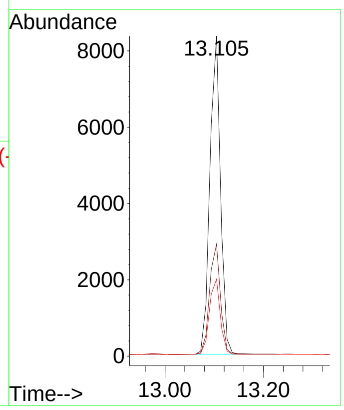
#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.105 min Scan# 1

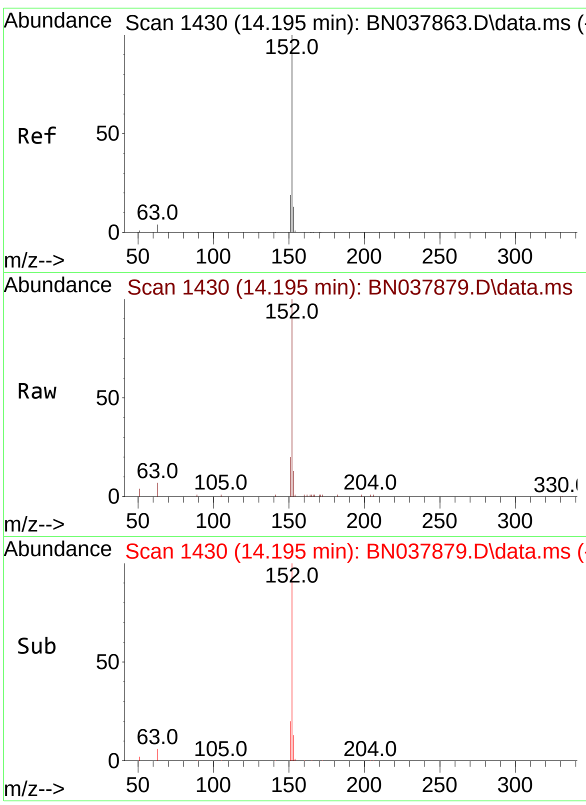
Instrument :
BNA_N
ClientSampleId :

Delta R.T. 0.011 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:172 Resp: 12488

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	24.1	19.7	29.5

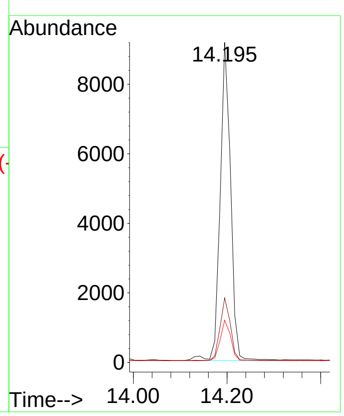


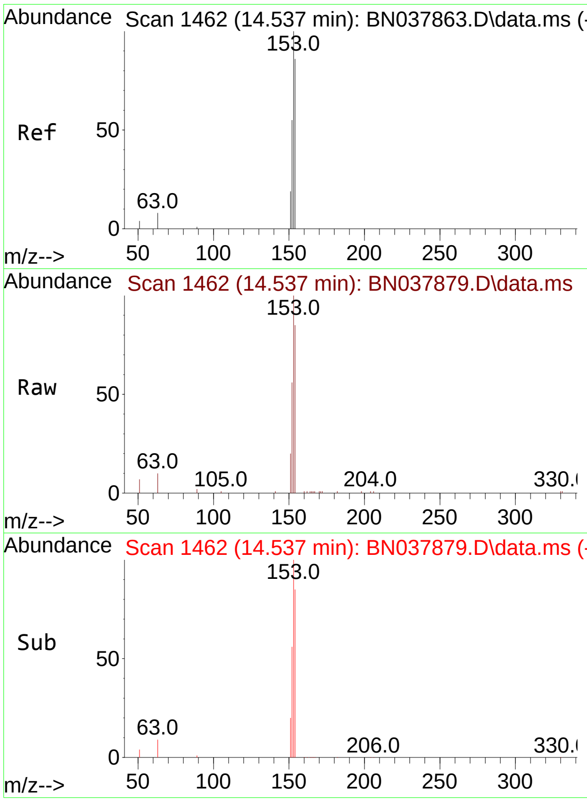


#16
Acenaphthylene
Concen: 0.387 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:152 Resp: 14148

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	12.5	10.5	15.7



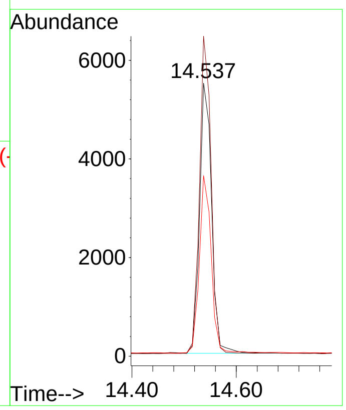


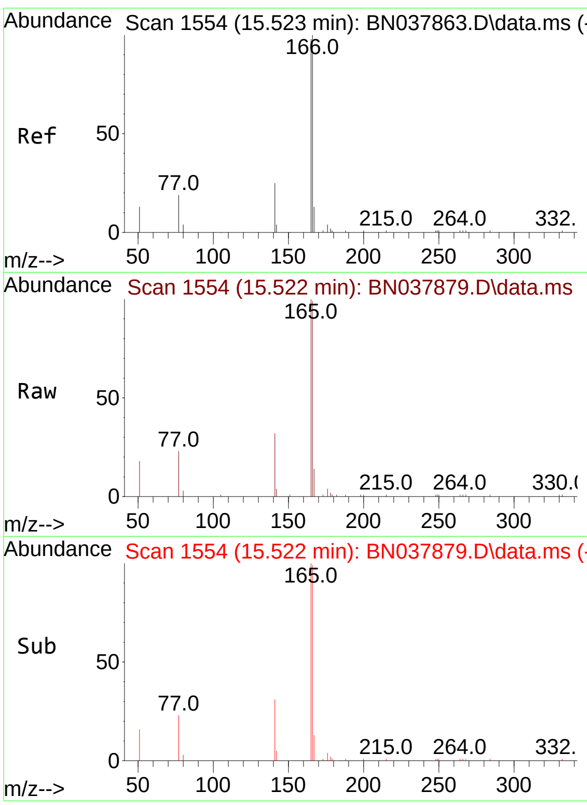
#17
Acenaphthene
Concen: 0.338 ng
RT: 14.537 min Scan# 14
Delta R.T.   -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025   17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 8794

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.5	135.7
152	65.1	51.8	77.8

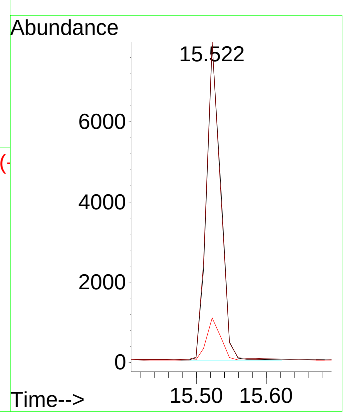


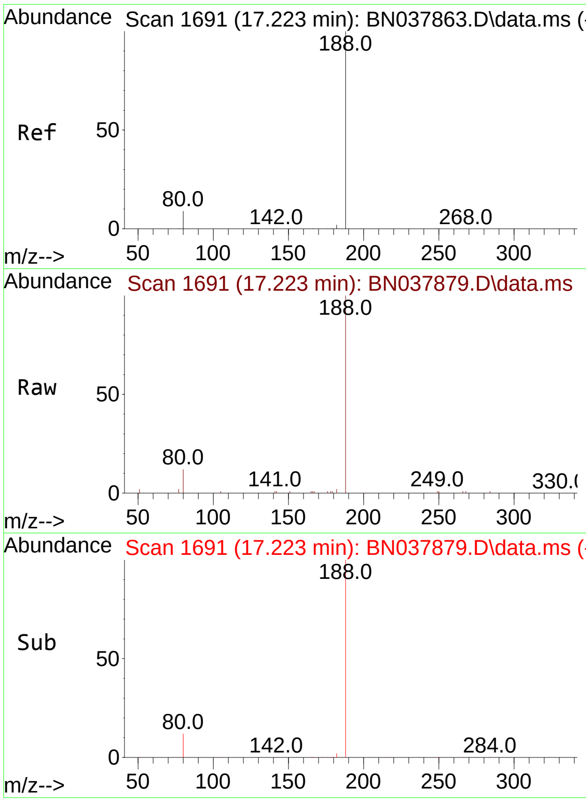


#18
Fluorene
Concen: 0.345 ng
RT: 15.522 min   Scan# 1554
Delta R.T.   -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025   17:39

Tgt Ion:166 Resp: 10857

Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.0	118.4
167	13.0	10.6	16.0



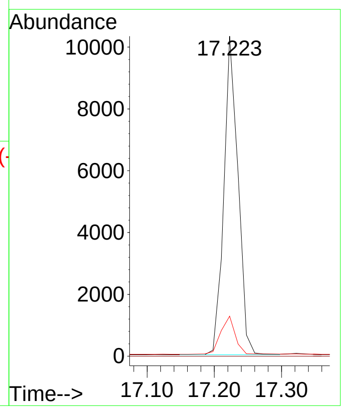


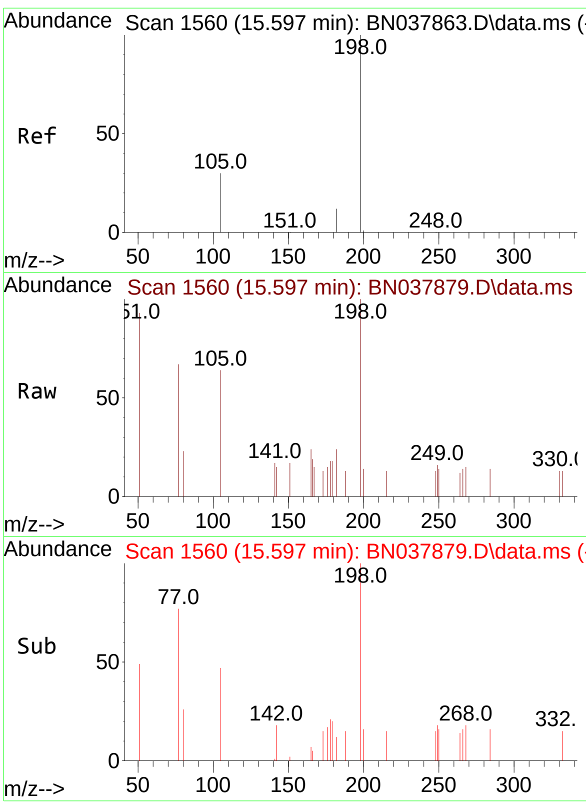
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 15051

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	7.6	11.4#

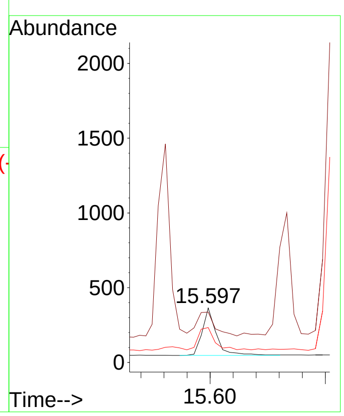


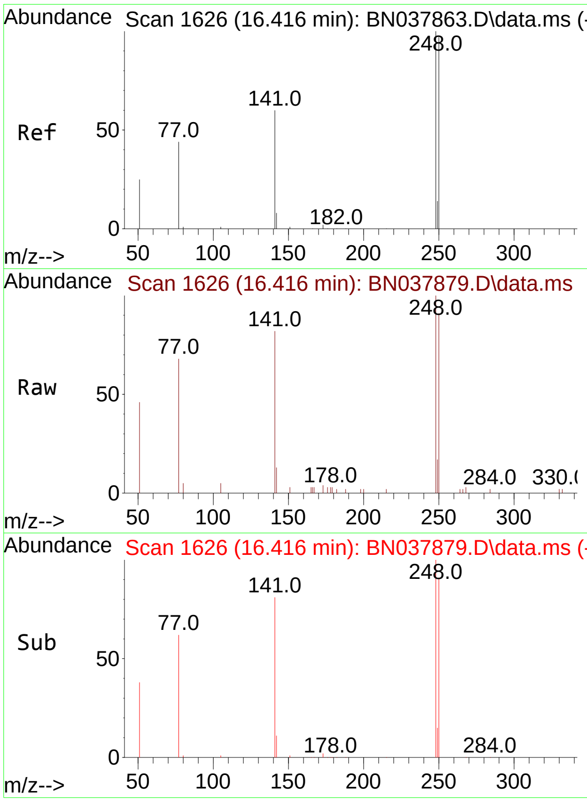


#20
4,6-Dinitro-2-methylphenol
Concen: 0.352 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:198 Resp: 547

Ion	Ratio	Lower	Upper
198	100		
51	92.6	59.1	88.7#
105	64.0	41.3	61.9#



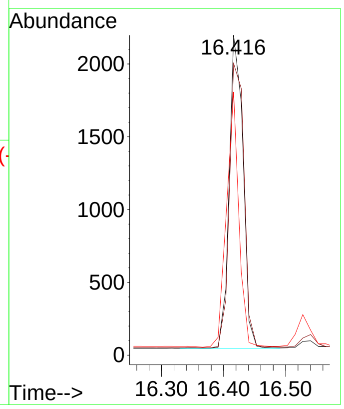


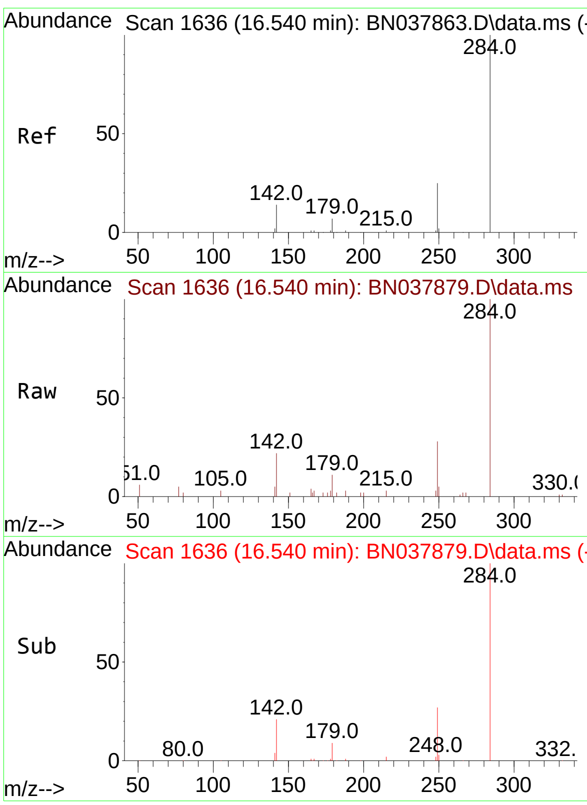
#21
4-Bromophenyl-phenylether
Concen: 0.340 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 3337

Ion	Ratio	Lower	Upper
248	100		
250	91.1	77.6	116.4
141	82.3	48.8	73.2#

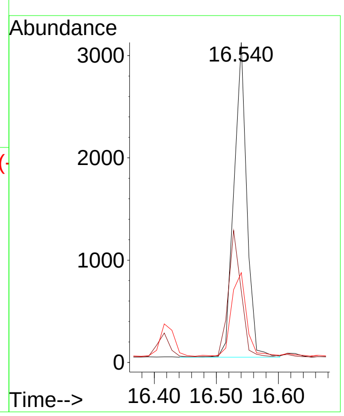


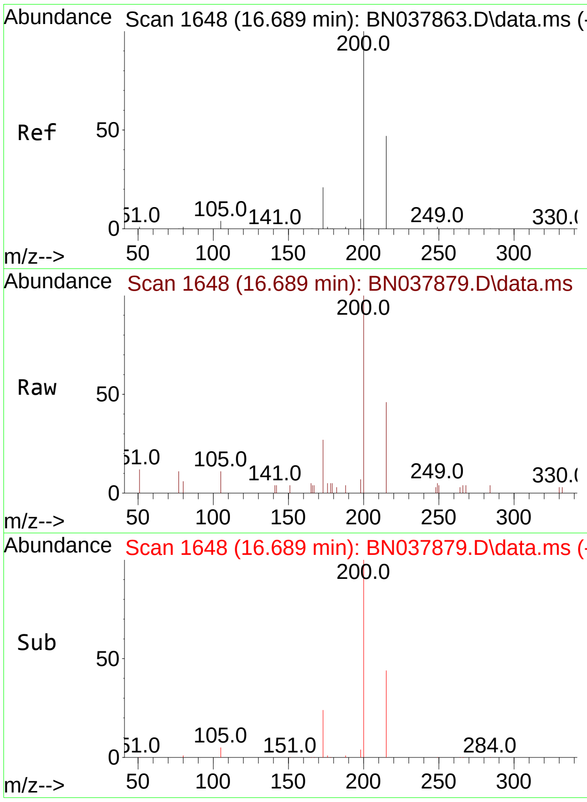


#22
Hexachlorobenzene
Concen: 0.374 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:284 Resp: 4448

Ion	Ratio	Lower	Upper
284	100		
142	39.6	30.9	46.3
249	31.2	23.9	35.9



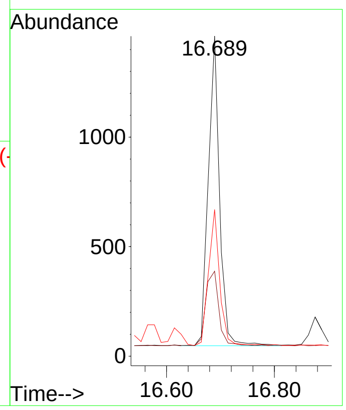


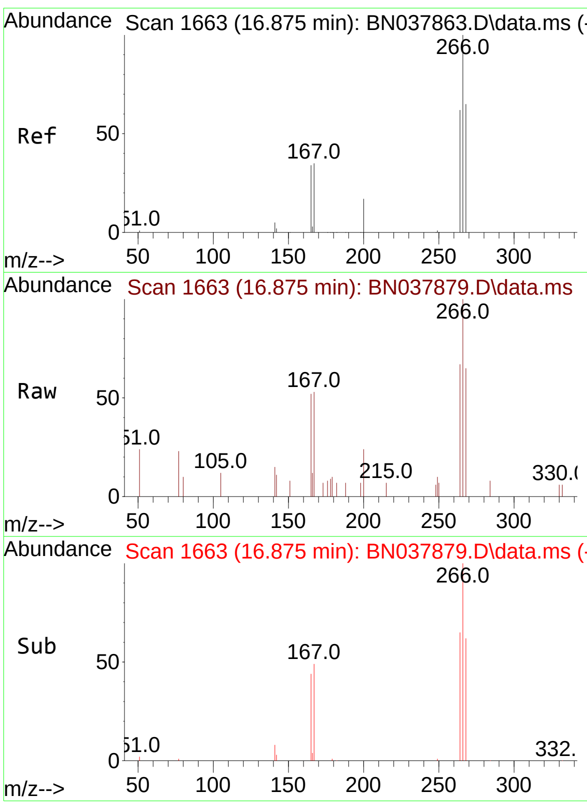
#23
Atrazine
Concen: 0.275 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:200 Resp: 2053

Ion	Ratio	Lower	Upper
200	100		
173	26.6	18.3	27.5
215	45.8	38.6	58.0

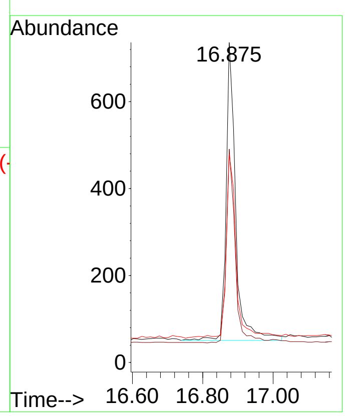


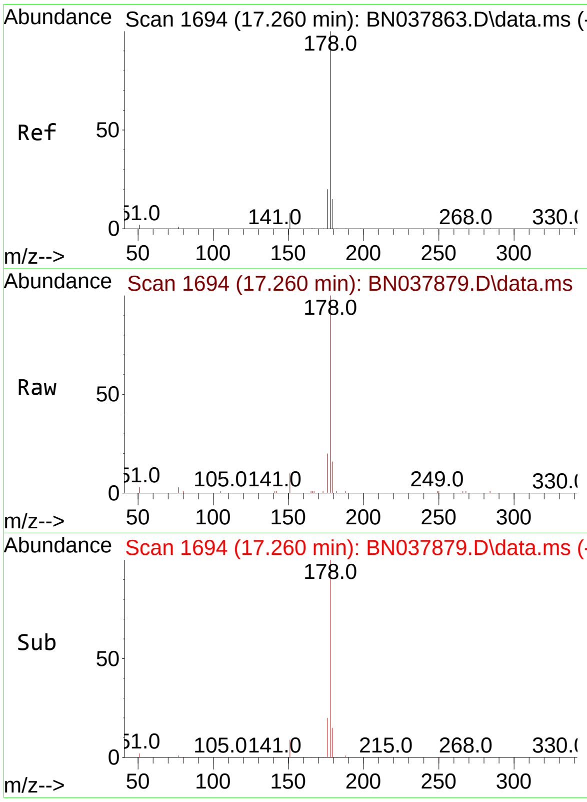


#24
Pentachlorophenol
Concen: 0.317 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:266 Resp: 1293

Ion	Ratio	Lower	Upper
266	100		
264	61.1	50.9	76.3
268	61.0	54.3	81.5





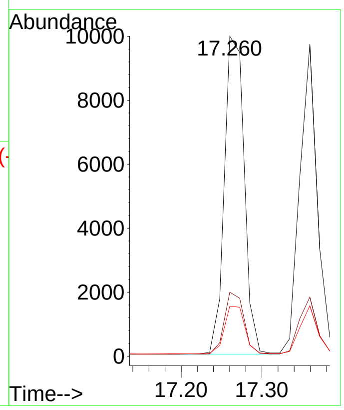
#25
Phenanthrene
Concen: 0.345 ng
RT: 17.260 min Scan# 1

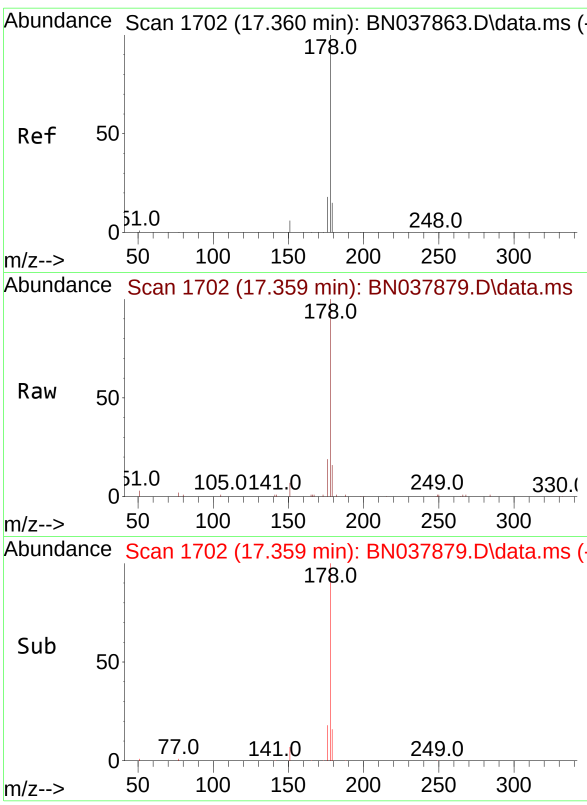
Instrument :
BNA_N
ClientSampleId :

Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:178 Resp: 17069

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.6	12.3	18.5

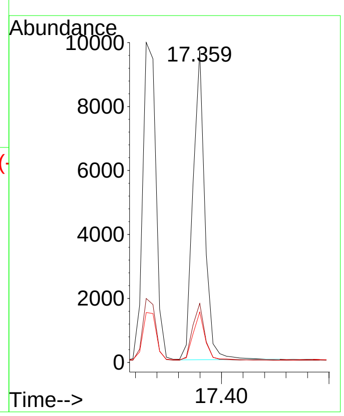


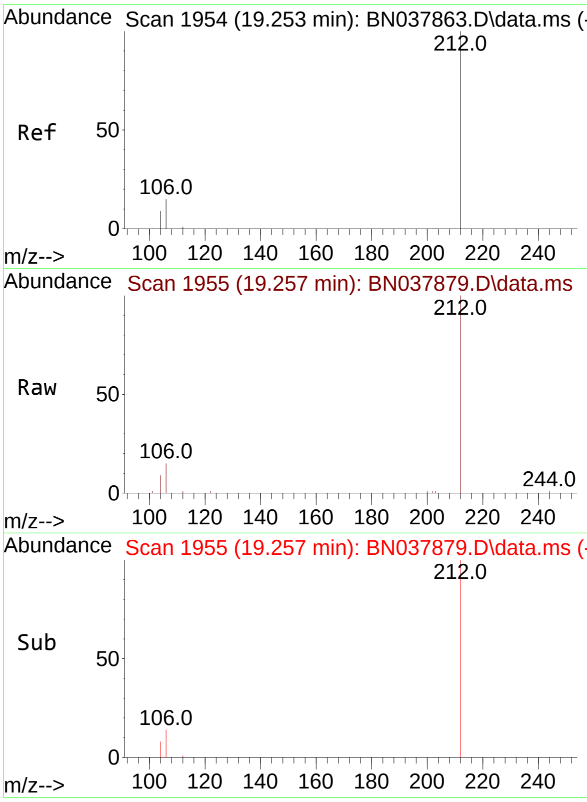


#26
Anthracene
Concen: 0.345 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:178 Resp: 14843

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.3	12.3	18.5





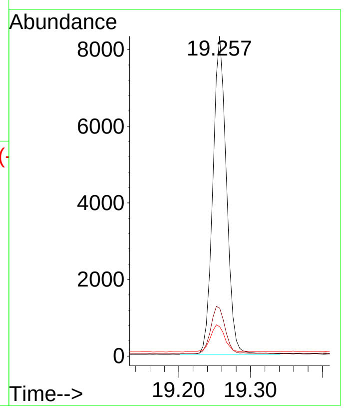
#27
Fluoranthene-d10
Concen: 0.287 ng
RT: 19.257 min Scan# 1

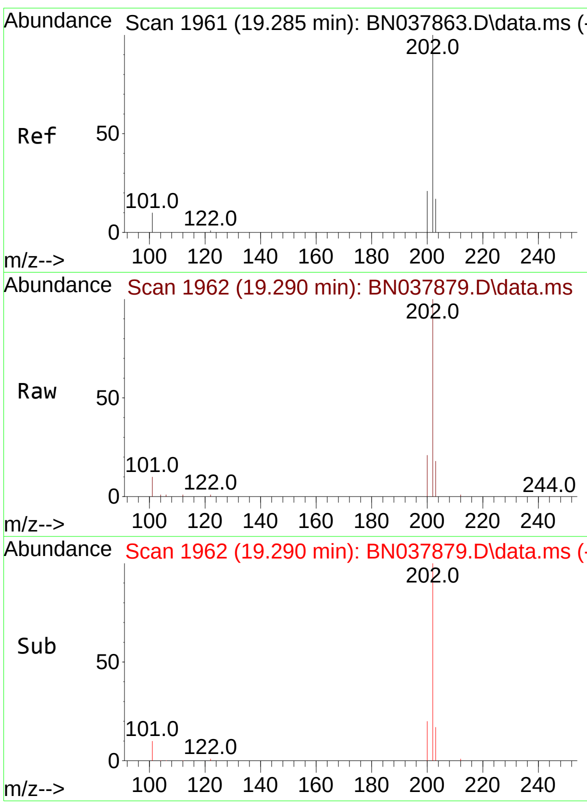
Instrument :
BNA_N
ClientSampleId :

Delta R.T. 0.004 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:212 Resp: 10866

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.6	19.0
104	9.3	7.4	11.0

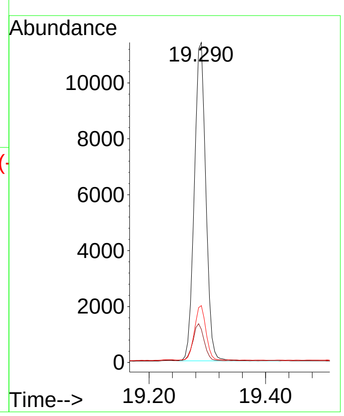


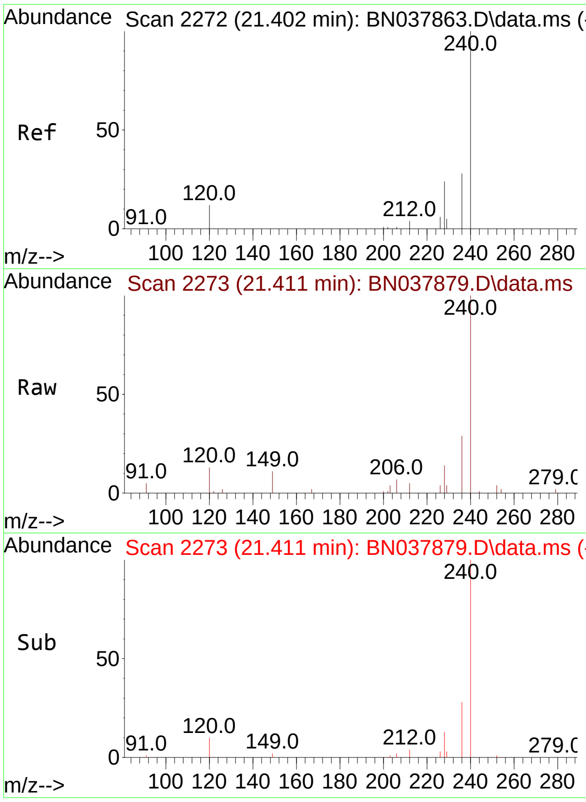


#28
Fluoranthene
Concen: 0.286 ng
RT: 19.290 min Scan# 1962
Delta R.T. 0.004 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:202 Resp: 15606

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	16.9	13.6	20.4



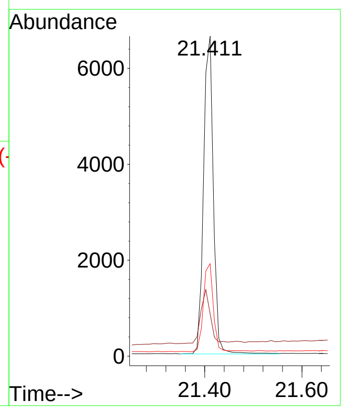


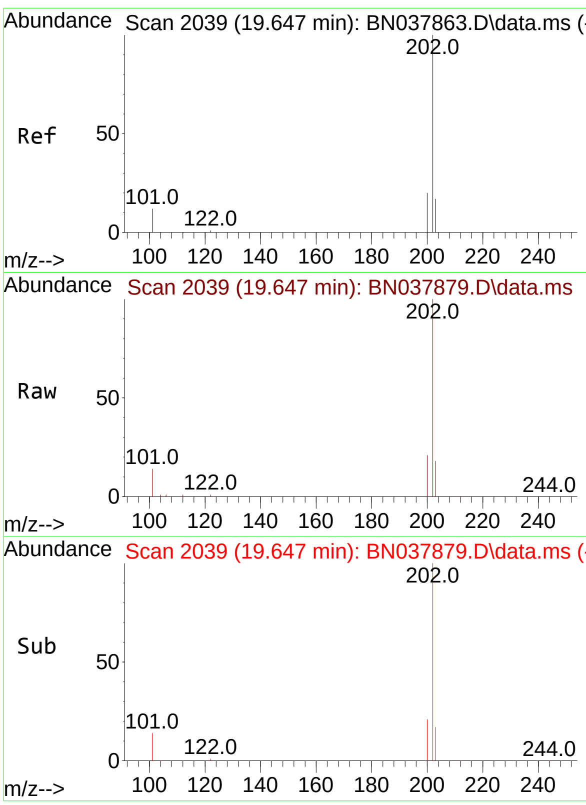
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 9285

Ion	Ratio	Lower	Upper
240	100		
120	13.2	11.4	17.2
236	28.9	23.0	34.6

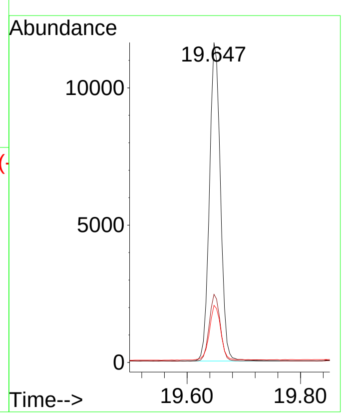


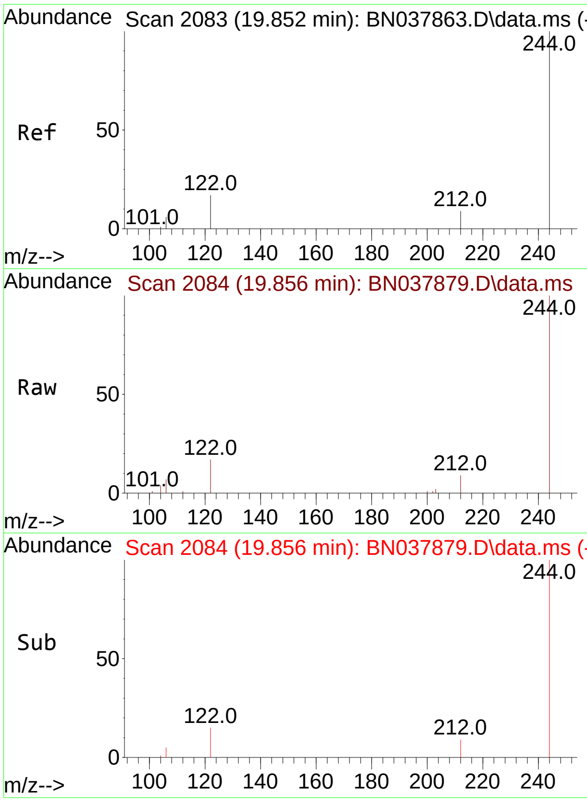


#30
Pyrene
Concen: 0.426 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:202 Resp: 15632

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.2	21.4



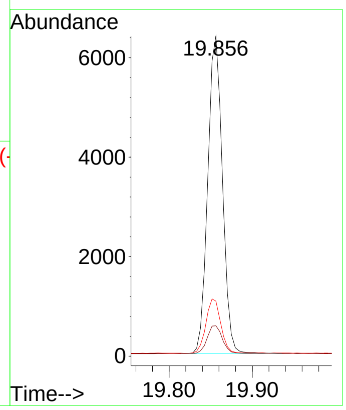


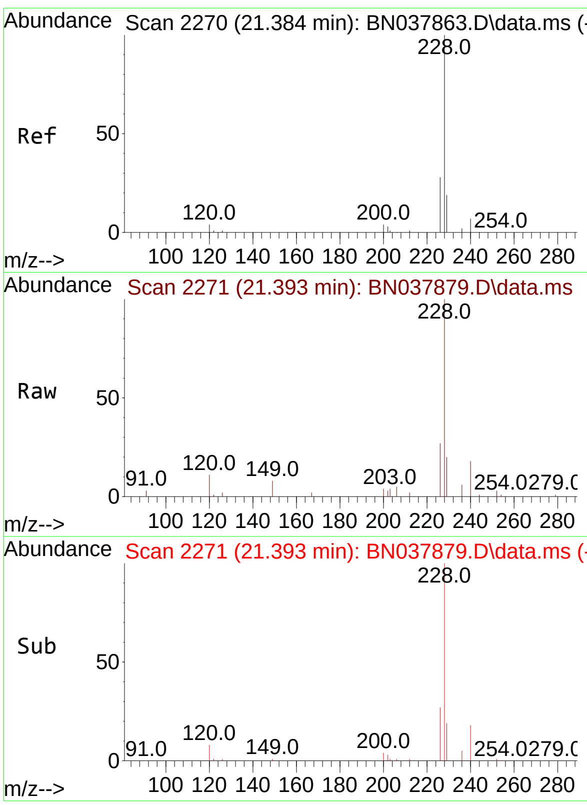
#31
Terphenyl-d14
Concen: 0.426 ng
RT: 19.856 min Scan# 2(
Delta R.T. 0.004 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 7873

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	17.2	13.9	20.9

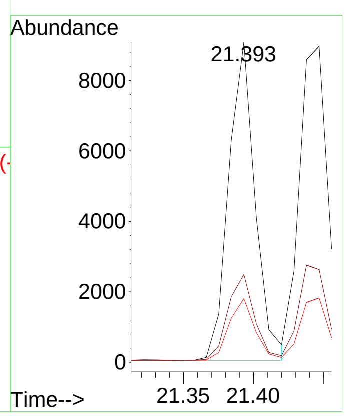


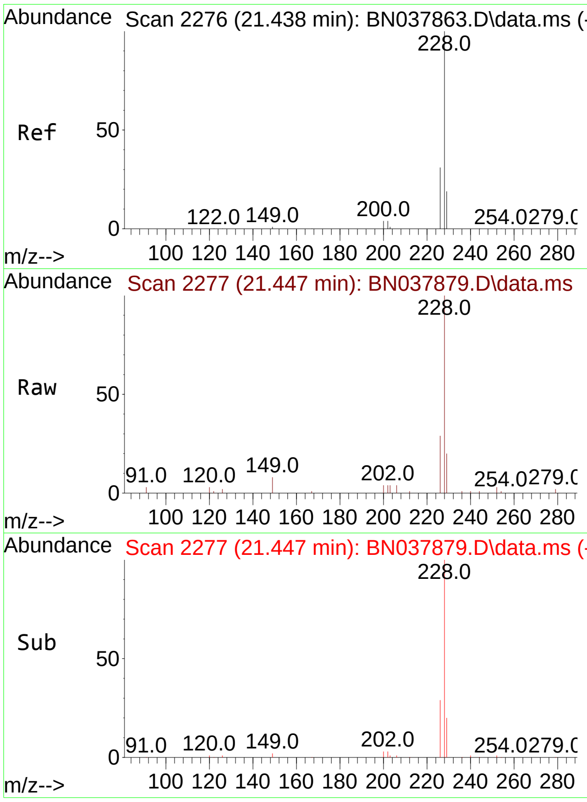


#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:228 Resp: 11859

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.9	15.6	23.4



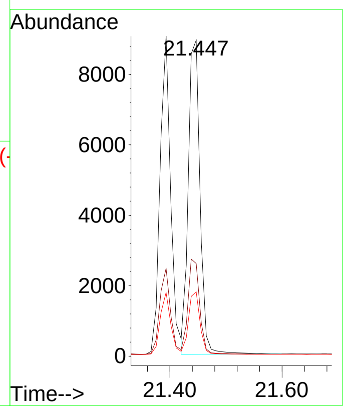


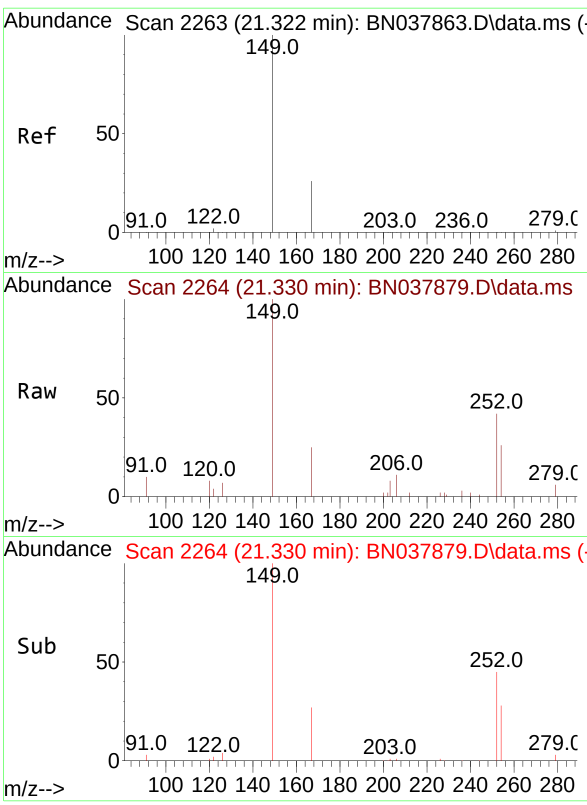
#33
Chrysene
Concen: 0.371 ng
RT: 21.447 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 13029

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.6	37.0
229	20.3	15.6	23.4

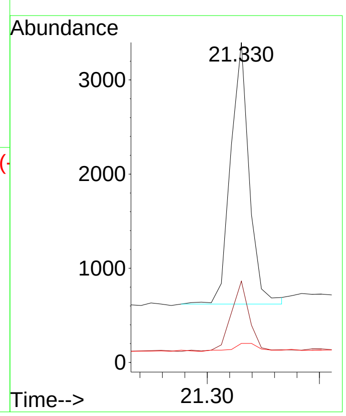


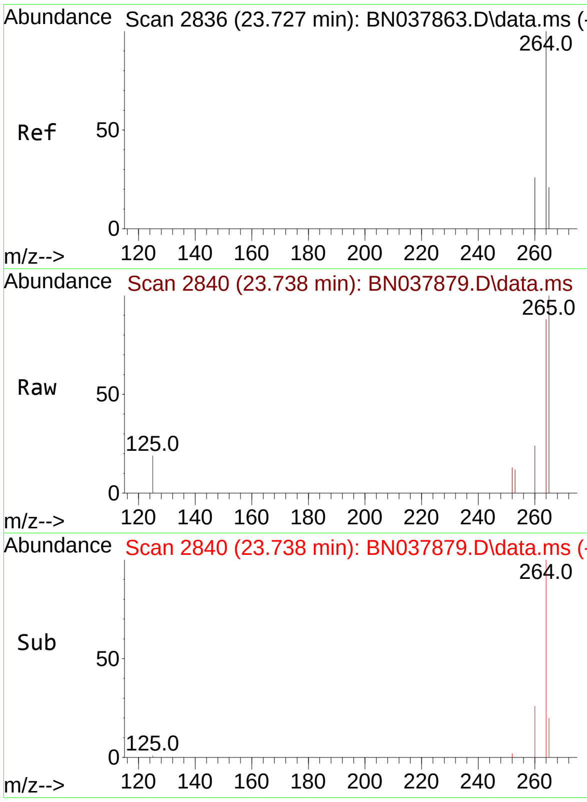


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.251 ng
RT: 21.330 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:149 Resp: 3217

Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.4	30.6
279	4.4	2.4	3.6#



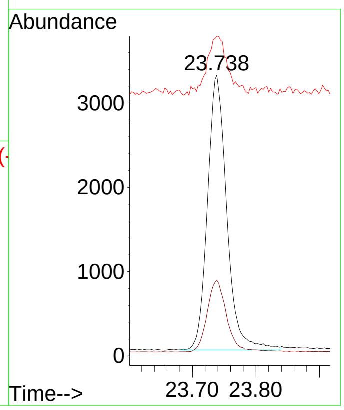


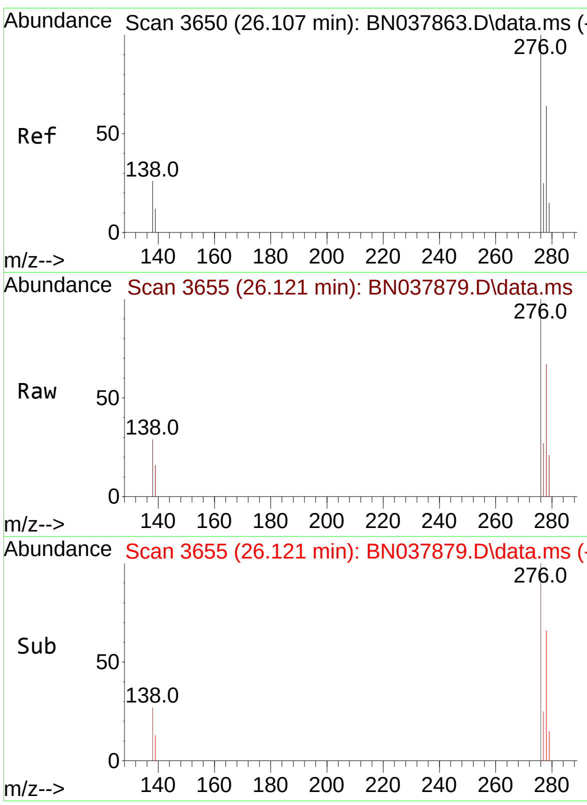
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 6873

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	114.0	53.8	80.6#

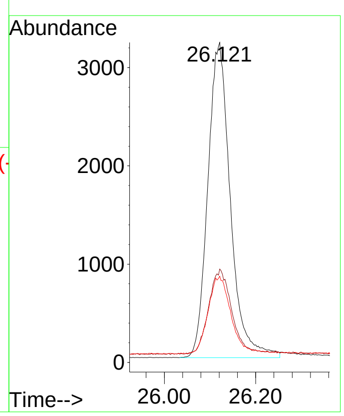


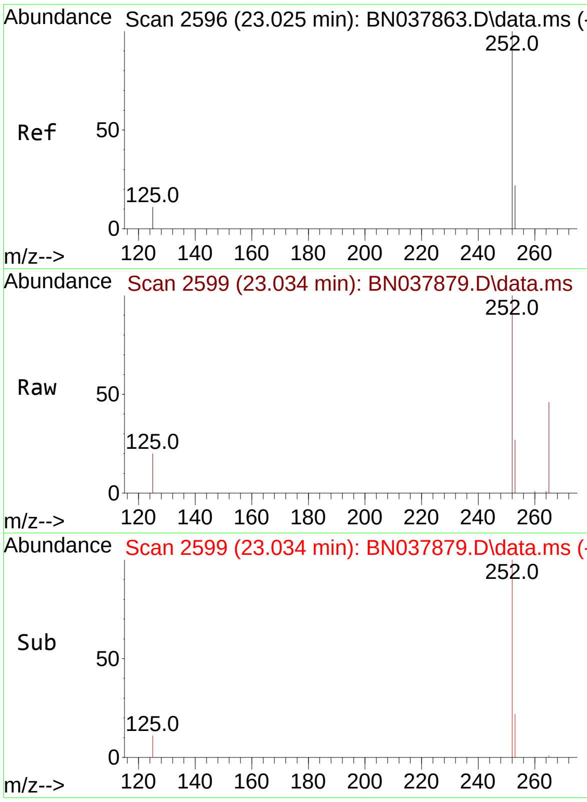


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.351 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.014 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:276 Resp: 11026

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.4	32.0
277	24.5	20.3	30.5



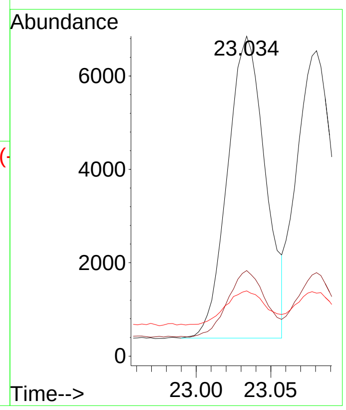


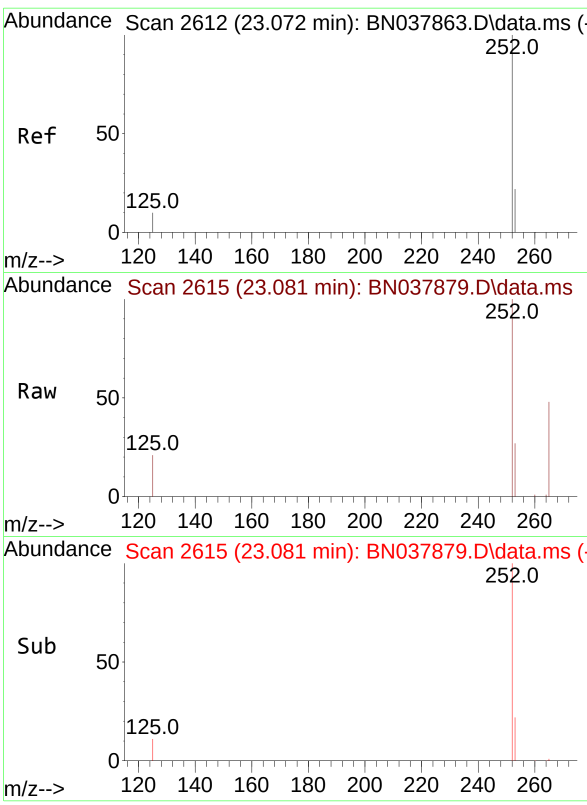
#37
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 23.034 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 11383

Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.4	29.0
125	20.4	13.0	19.4#

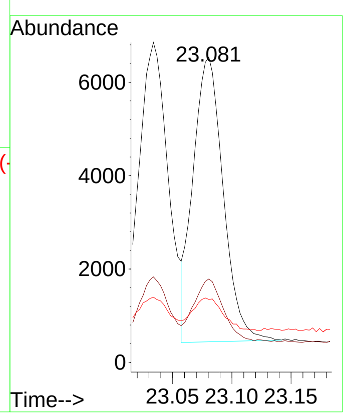


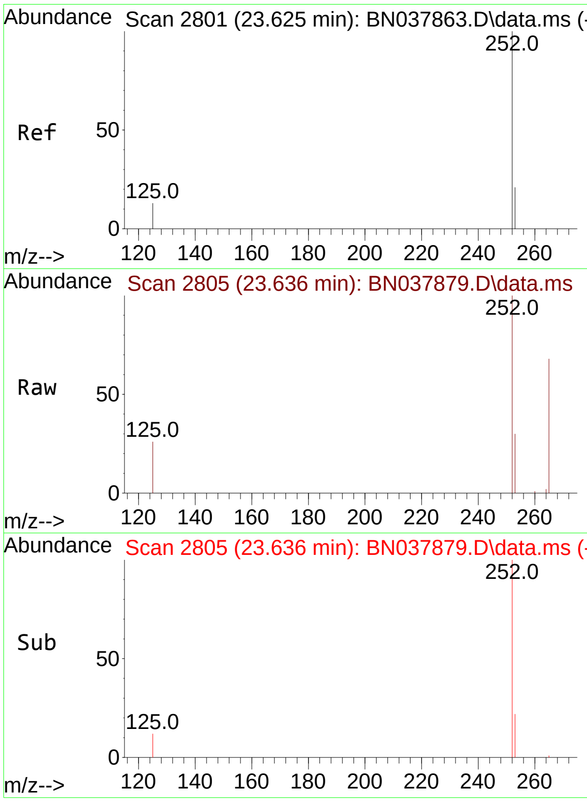


#38
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 23.081 min Scan# 2615
Delta R.T. 0.009 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:252 Resp: 10834

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.5	29.3
125	20.6	13.0	19.4#



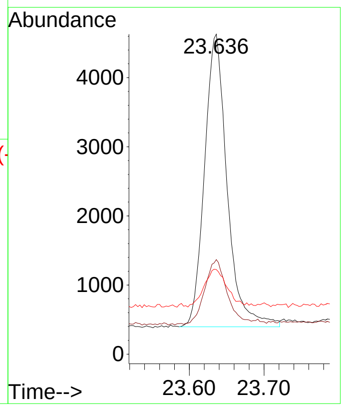


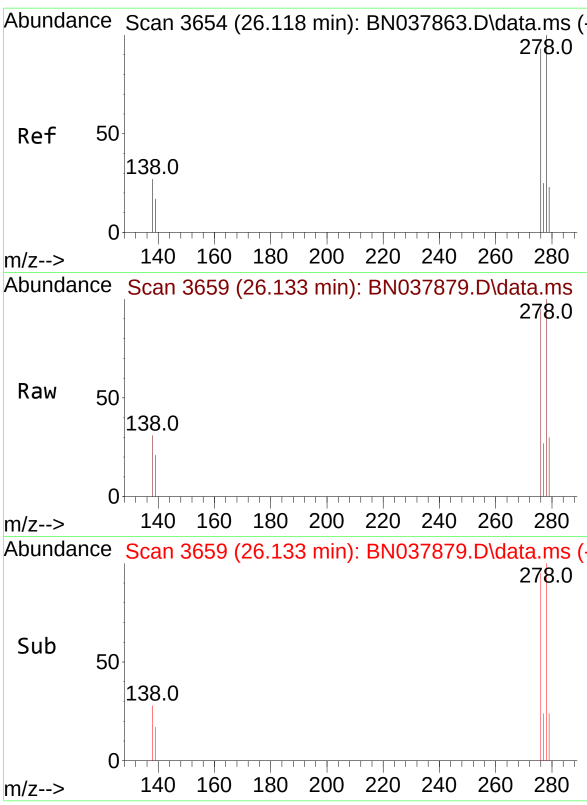
#39
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.636 min Scan# 28
Delta R.T. 0.012 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 8929

Ion	Ratio	Lower	Upper
252	100		
253	29.5	20.6	30.8
125	26.5	16.7	25.1#

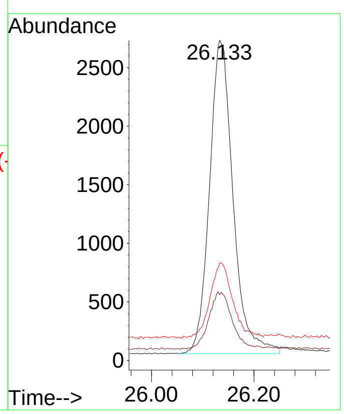


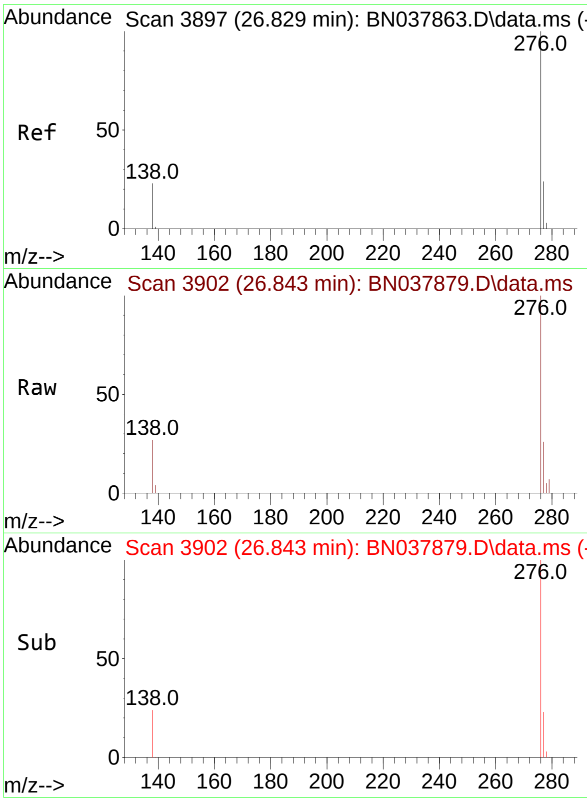


#40
Dibenzo(a,h)anthracene
Concen: 0.349 ng
RT: 26.133 min Scan# 3659
Delta R.T. 0.014 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Tgt Ion:278 Resp: 8564

Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.4	23.2
279	30.4	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.371 ng
RT: 26.843 min Scan# 39
Delta R.T. 0.014 min
Lab File: BN037879.D
Acq: 24 Sep 2025 17:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 9560

Ion	Ratio	Lower	Upper
276	100		
277	26.2	20.2	30.4
138	26.7	19.8	29.8