Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037577.D
Acq On : 12 Aug 2025 15:49
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Aug 13 04:47:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration

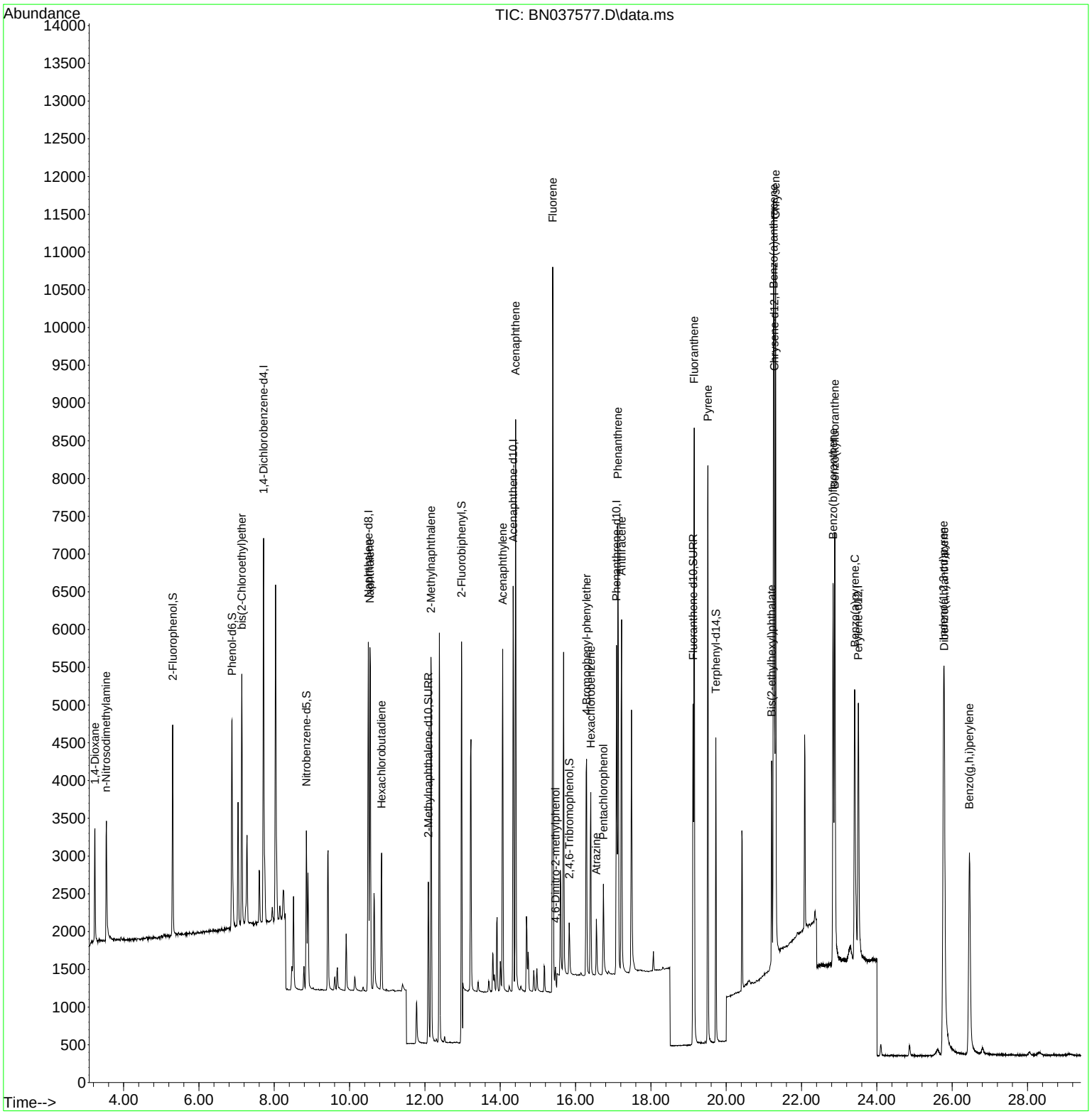
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.717	152	2435	0.400	ng		0.00
7) Naphthalene-d8	10.498	136	6133	0.400	ng		0.00
13) Acenaphthene-d10	14.345	164	2925	0.400	ng		0.00
19) Phenanthrene-d10	17.087	188	5690	0.400	ng		0.00
29) Chrysene-d12	21.277	240	5657	0.400	ng		0.00
35) Perylene-d12	23.508	264	4838	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.305	112	2253	0.408	ng		0.00
5) Phenol-d6	6.879	99	2703	0.407	ng		0.00
8) Nitrobenzene-d5	8.854	82	1657	0.384	ng		0.00
11) 2-Methylnaphthalene-d10	12.091	152	3072	0.368	ng		0.00
14) 2,4,6-Tribromophenol	15.833	330	425	0.332	ng		0.00
15) 2-Fluorobiphenyl	12.973	172	6763	0.400	ng		0.00
27) Fluoranthene-d10	19.122	212	5295	0.354	ng		0.00
31) Terphenyl-d14	19.726	244	3831	0.329	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.239	88	941	0.404	ng		98
3) n-Nitrosodimethylamine	3.536	42	1124	0.378	ng	#	94
6) bis(2-Chloroethyl)ether	7.139	93	2443	0.408	ng		98
9) Naphthalene	10.541	128	6338	0.388	ng		99
10) Hexachlorobutadiene	10.851	225	1500	0.376	ng	#	99
12) 2-Methylnaphthalene	12.162	142	3850	0.376	ng		99
16) Acenaphthylene	14.067	152	4983	0.380	ng		99
17) Acenaphthene	14.409	154	3478	0.390	ng		98
18) Fluorene	15.393	166	4364	0.374	ng		99
20) 4,6-Dinitro-2-methylph...	15.467	198	240	0.413	ng		98
21) 4-Bromophenyl-phenylether	16.292	248	1378	0.385	ng		95
22) Hexachlorobenzene	16.404	284	1985	0.392	ng		100
23) Atrazine	16.553	200	662	0.327	ng		99
24) Pentachlorophenol	16.739	266	643	0.361	ng		98
25) Phenanthrene	17.124	178	6623	0.383	ng		100
26) Anthracene	17.223	178	5564	0.363	ng		100
28) Fluoranthene	19.150	202	7242	0.364	ng		99
30) Pyrene	19.513	202	7146	0.338	ng		100
32) Benzo(a)anthracene	21.259	228	7605	0.402	ng		99
33) Chrysene	21.313	228	8254	0.392	ng		99
34) Bis(2-ethylhexyl)phtha...	21.205	149	2677	0.343	ng		93
36) Indeno(1,2,3-cd)pyrene	25.773	276	7647	0.375	ng		99
37) Benzo(b)fluoranthene	22.838	252	6567	0.358	ng		100
38) Benzo(k)fluoranthene	22.882	252	7652	0.370	ng		99
39) Benzo(a)pyrene	23.414	252	6058	0.398	ng		100
40) Dibenzo(a,h)anthracene	25.791	278	5699	0.360	ng		99
41) Benzo(g,h,i)perylene	26.458	276	6033	0.362	ng		99

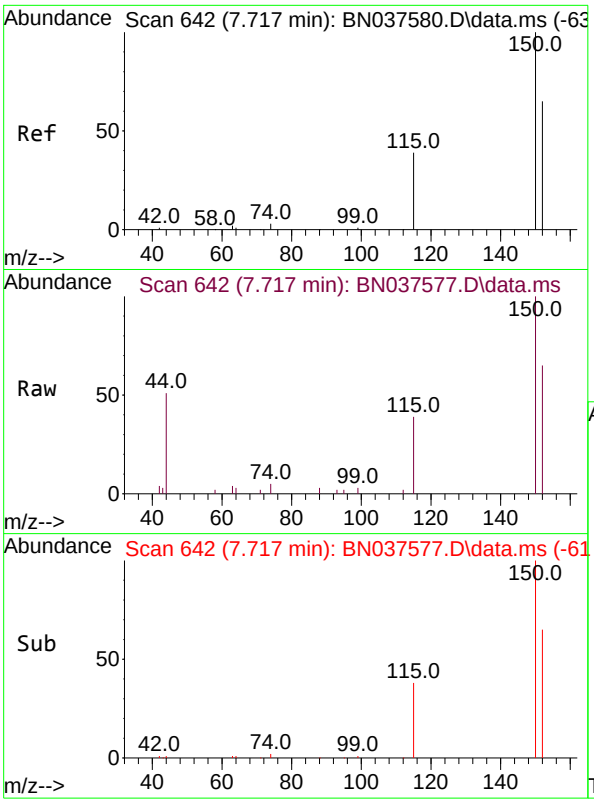
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037577.D
Acq On : 12 Aug 2025 15:49
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Aug 13 04:47:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration



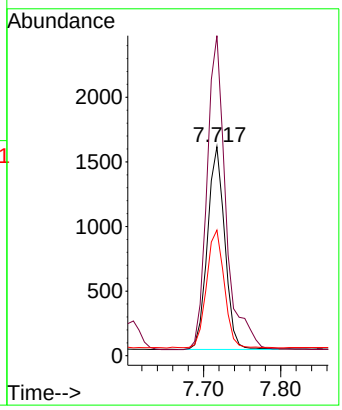


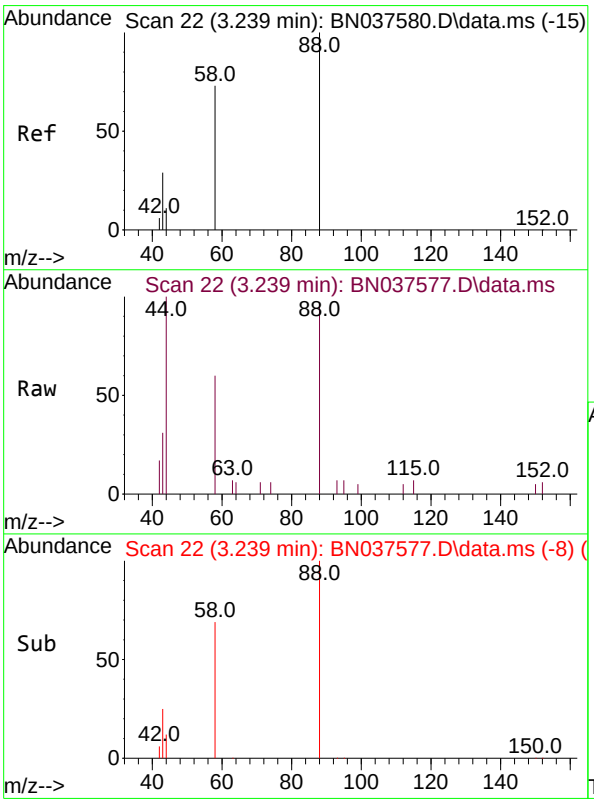
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2435

Ion	Ratio	Lower	Upper
152	100		
150	153.1	122.2	183.4
115	60.1	49.8	74.6

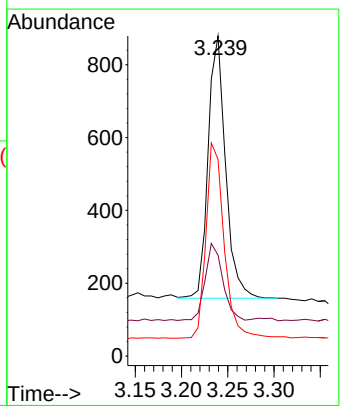


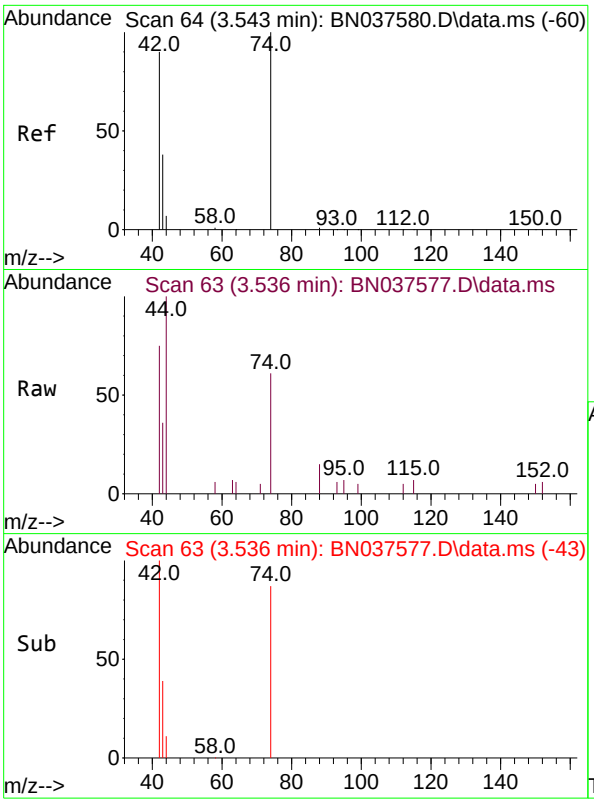


#2
1,4-Dioxane
Concen: 0.404 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion: 88 Resp: 941

Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.8	38.6
58	77.7	61.2	91.8



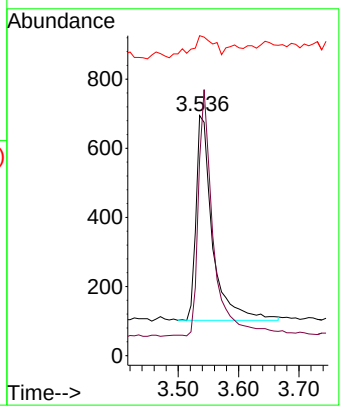


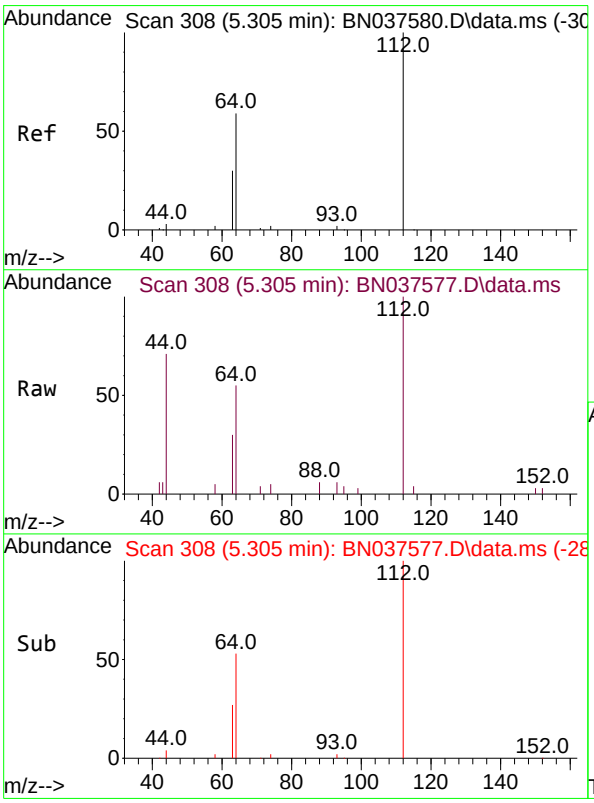
#3
n-Nitrosodimethylamine
Concen: 0.378 ng
RT: 3.536 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1124

Ion	Ratio	Lower	Upper
42	100		
74	107.8	82.0	123.0
44	14.7	7.9	11.9#

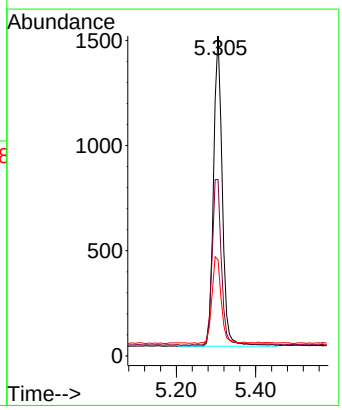


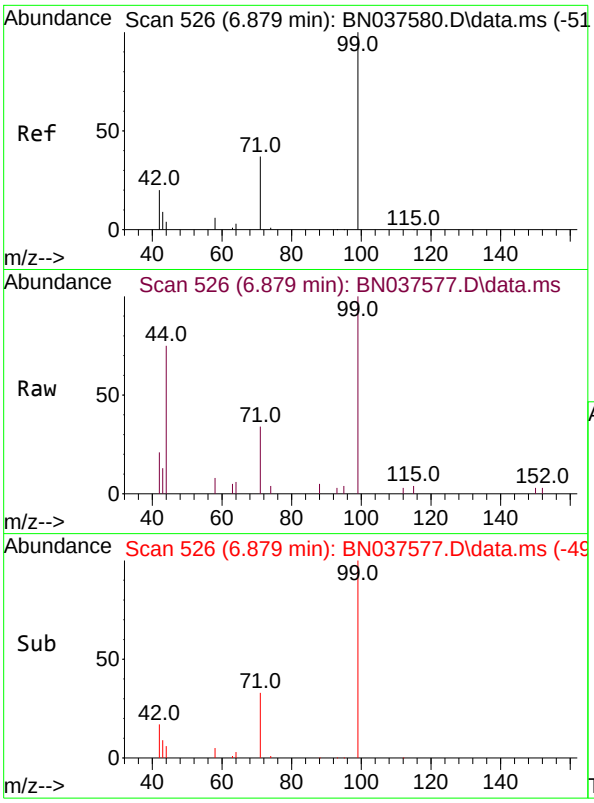


#4
2-Fluorophenol
Concen: 0.408 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:112 Resp: 2253

Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.9	67.3
63	29.4	23.4	35.2



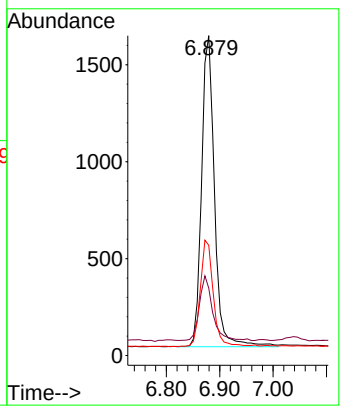


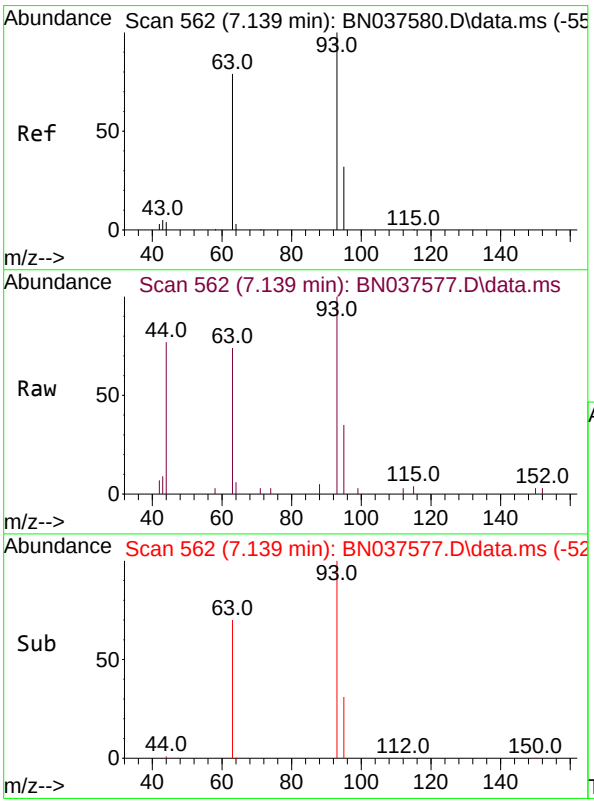
#5
Phenol-d6
Concen: 0.407 ng
RT: 6.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2703

Ion	Ratio	Lower	Upper
99	100		
42	21.6	18.5	27.7
71	34.4	28.6	42.8

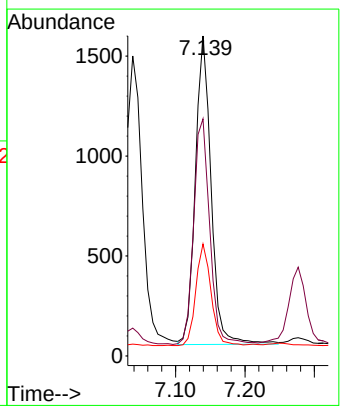


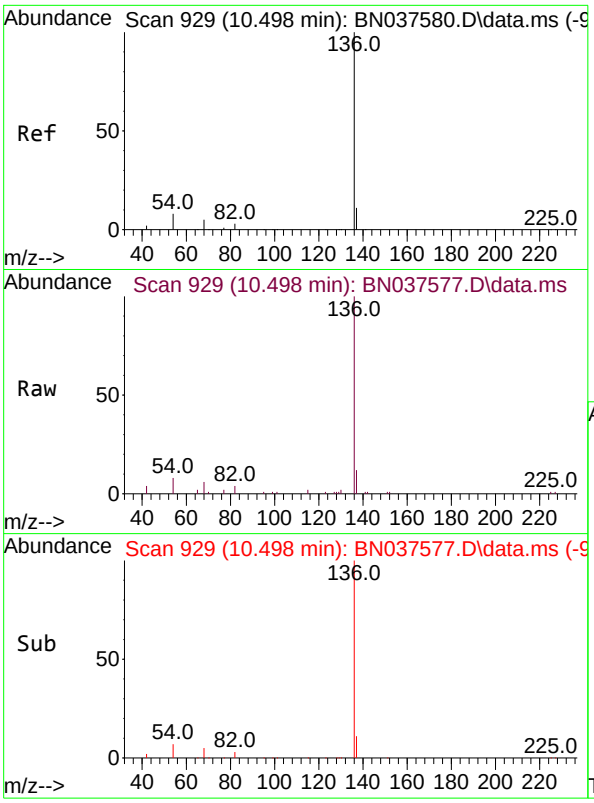


#6
bis(2-Chloroethyl)ether
Concen: 0.408 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion: 93 Resp: 2443

Ion	Ratio	Lower	Upper
93	100		
63	74.4	58.0	87.0
95	31.6	24.9	37.3



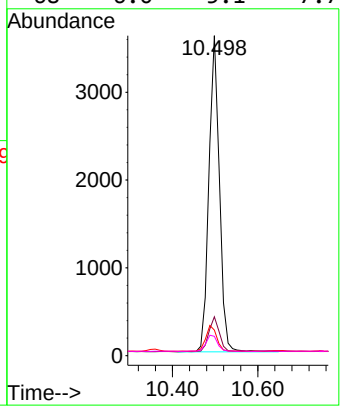


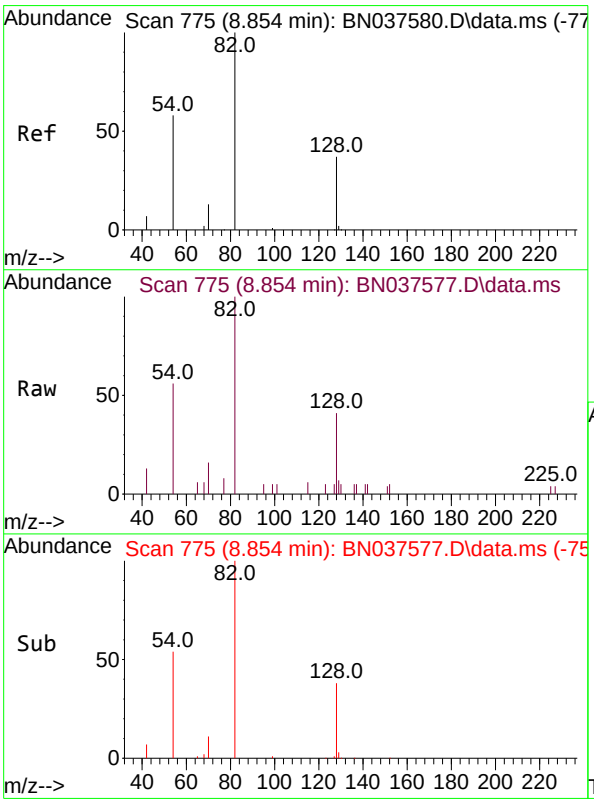
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6133

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.3	10.9
68	6.0	5.1	7.7

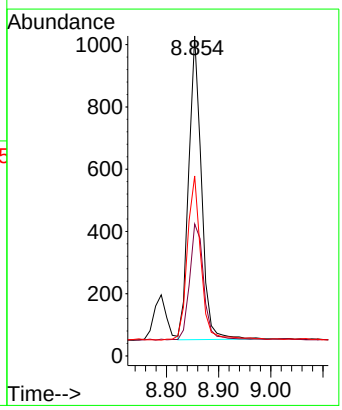


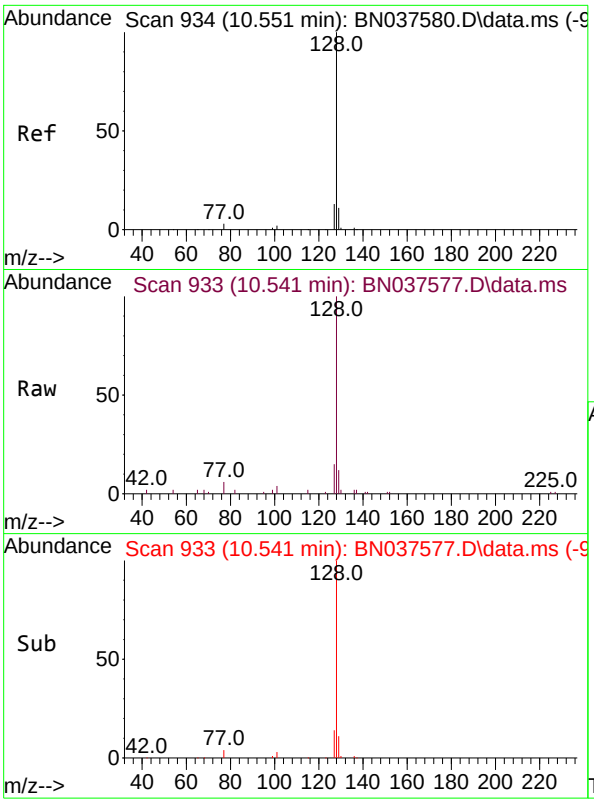


#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion: 82 Resp: 1657

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.6	48.8
54	56.2	48.9	73.3



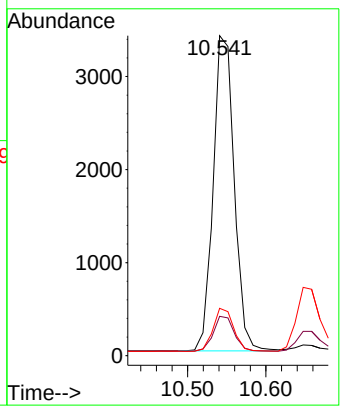


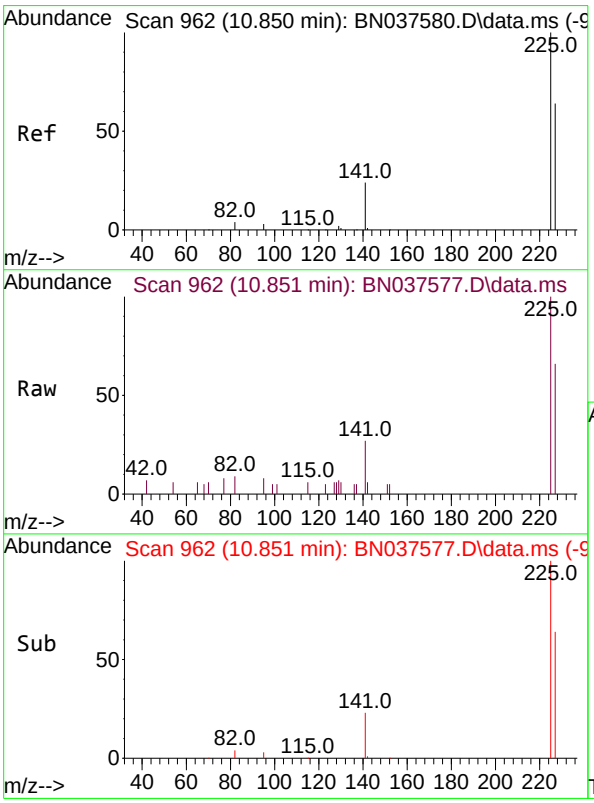
#9
Naphthalene
Concen: 0.388 ng
RT: 10.541 min Scan# 9
Delta R.T. -0.010 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 6338

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.8	14.6
127	14.8	11.5	17.3

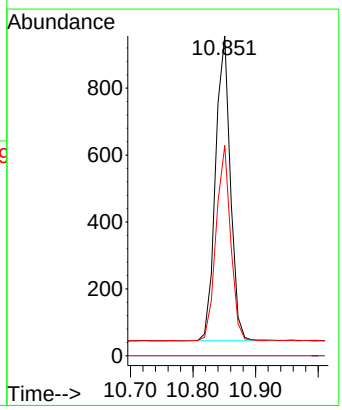


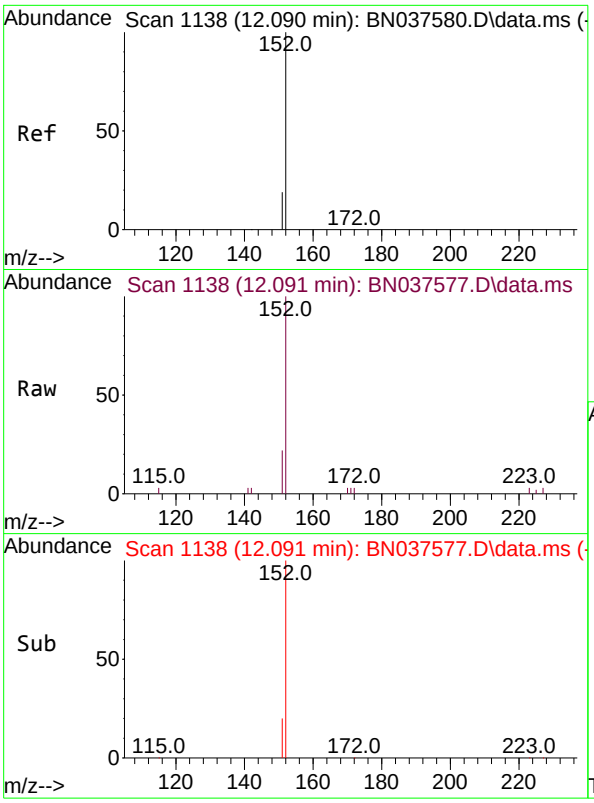


#10
Hexachlorobutadiene
Concen: 0.376 ng
RT: 10.851 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:225 Resp: 1500

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.8	50.8	76.2



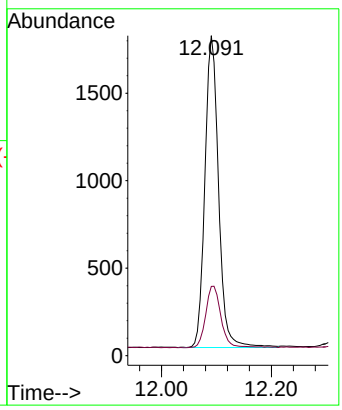


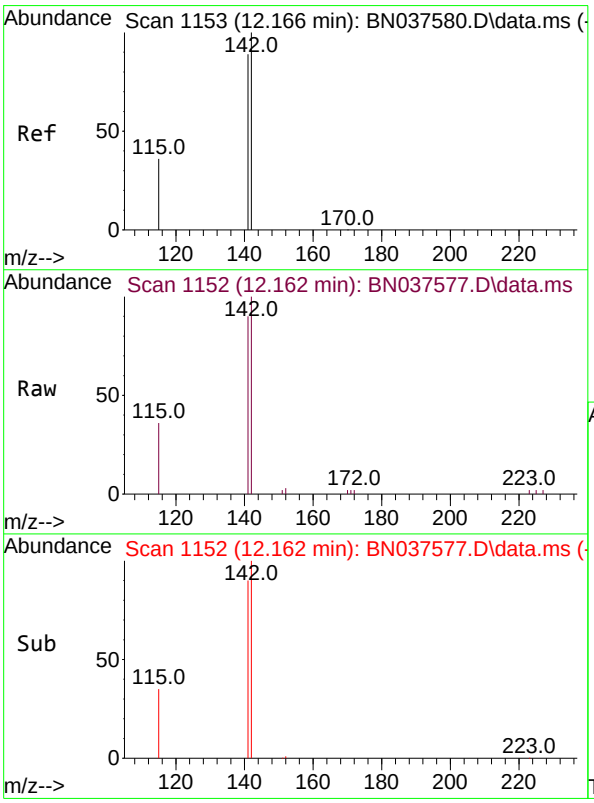
#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 12.091 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3072

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.3	25.9

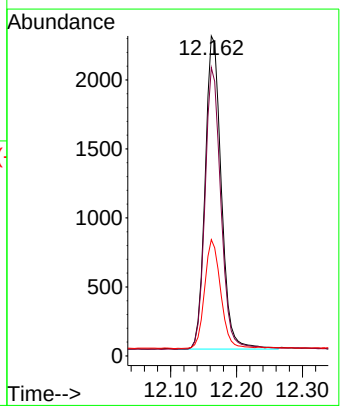


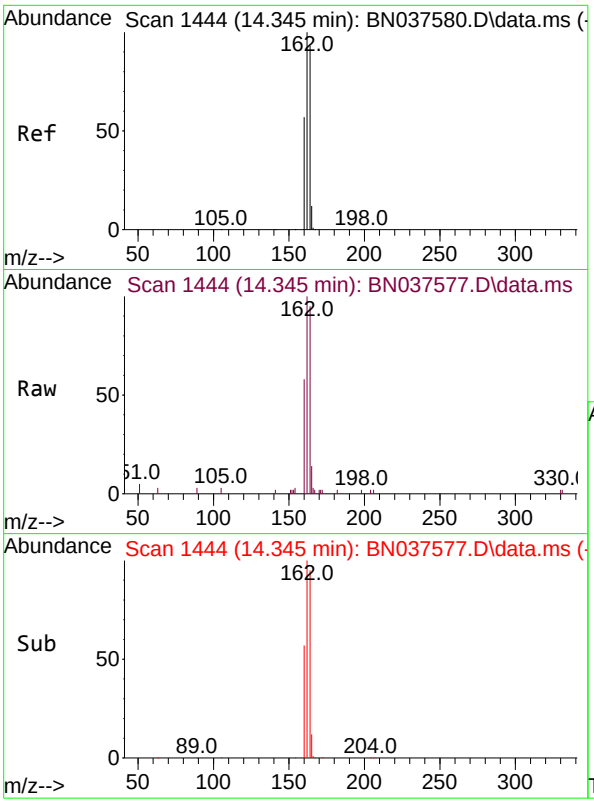


#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.162 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:142 Resp: 3850

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.4	107.0
115	36.4	30.2	45.4



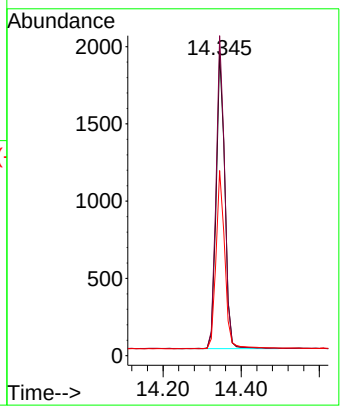


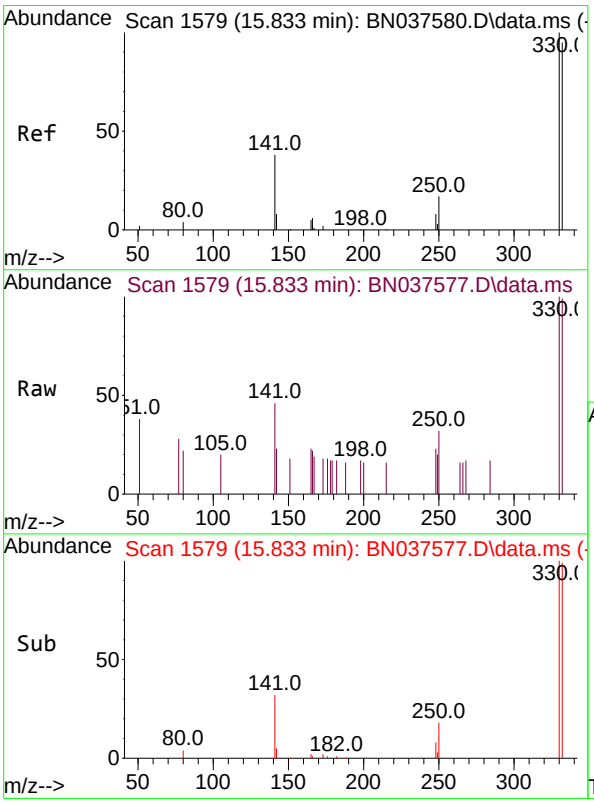
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 2925

Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.5	128.3
160	61.1	49.5	74.3

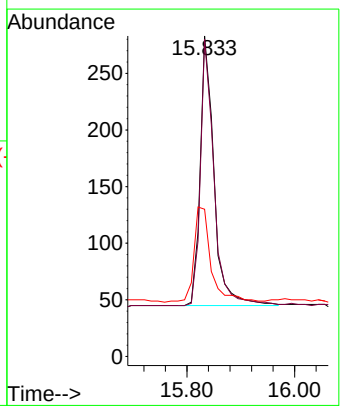


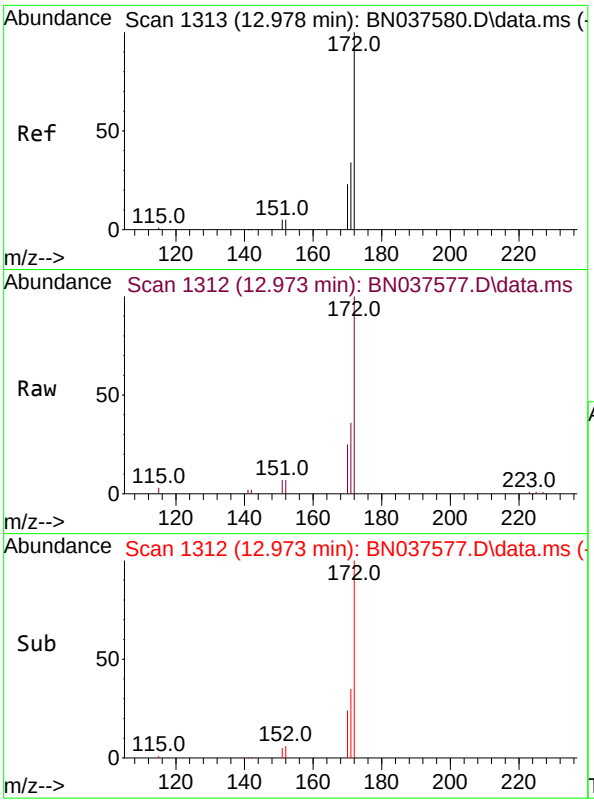


#14
2,4,6-Tribromophenol
Concen: 0.332 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:330 Resp: 425

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	43.5	30.9	46.3



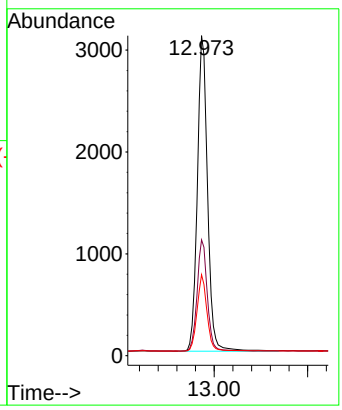


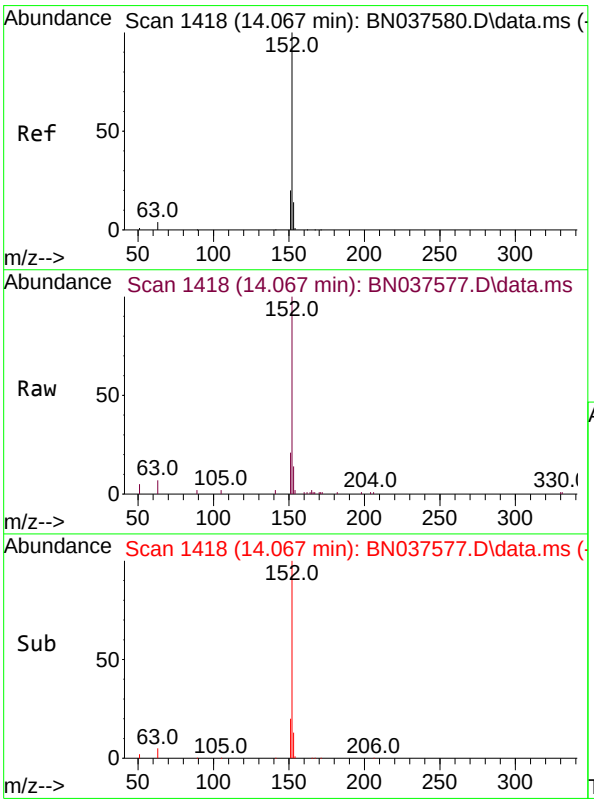
#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 6763

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	25.3	19.2	28.8

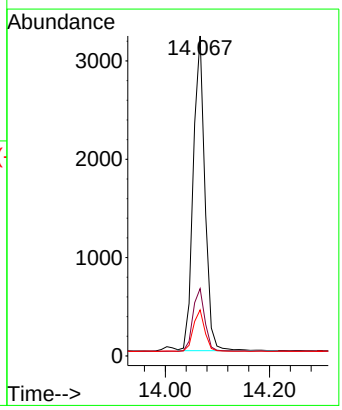


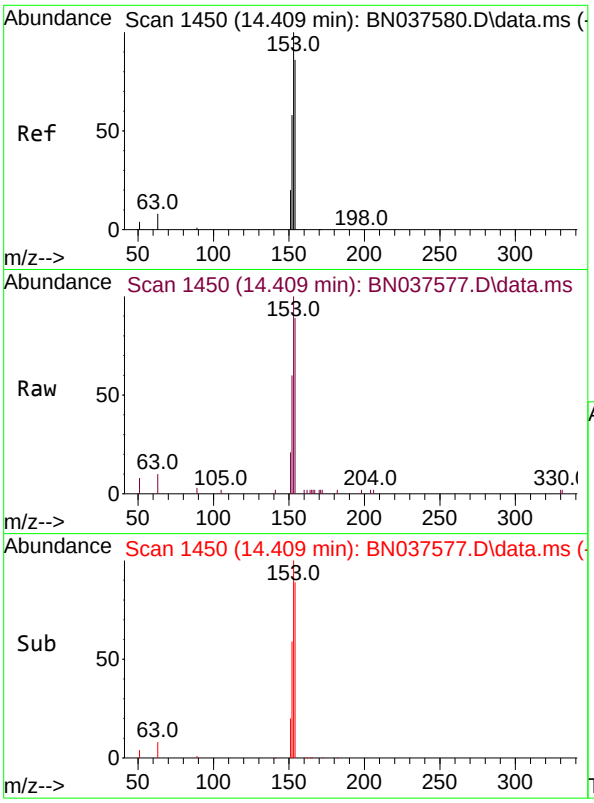


#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:152 Resp: 4983

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1
153	13.0	10.7	16.1



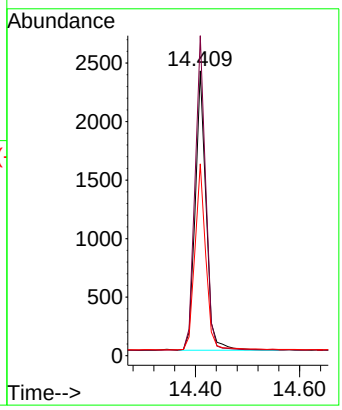


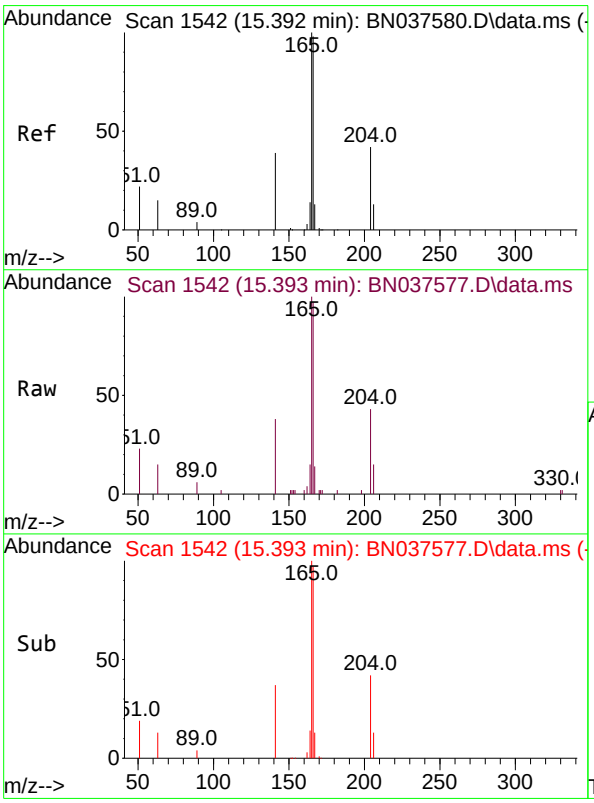
#17
Acenaphthene
Concen: 0.390 ng
RT: 14.409 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3478

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.6	135.8
152	66.8	54.9	82.3

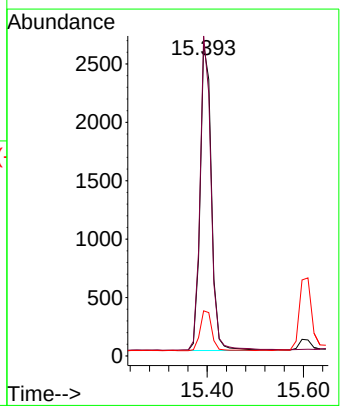


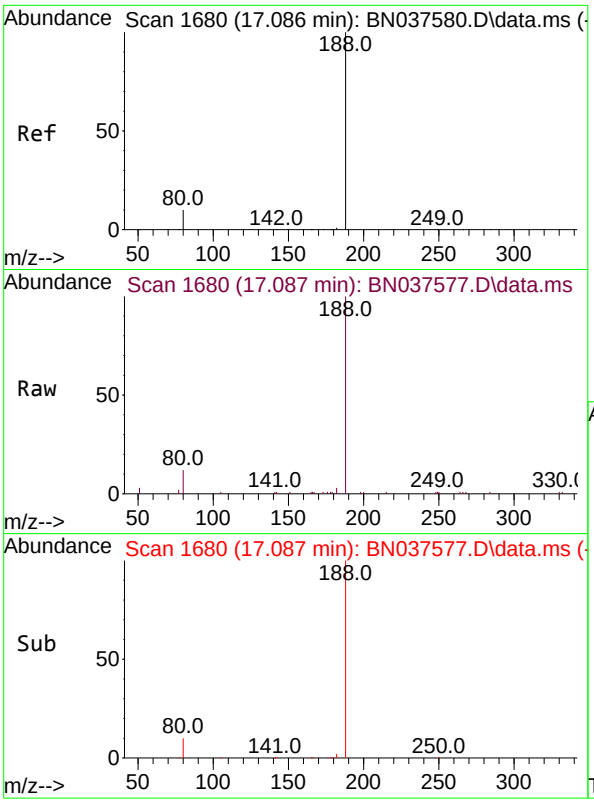


#18
Fluorene
Concen: 0.374 ng
RT: 15.393 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:166 Resp: 4364

Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.9	118.3
167	13.3	10.7	16.1



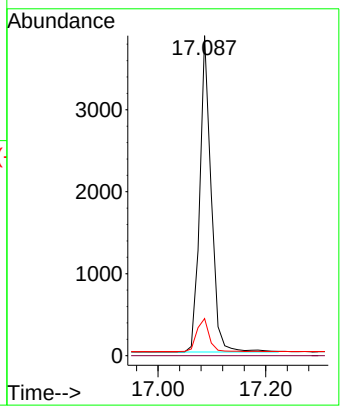


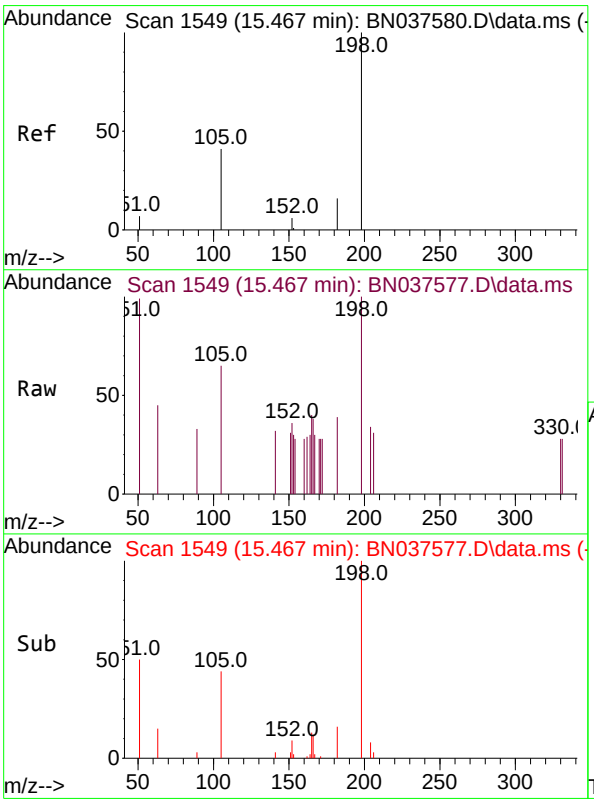
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 5690

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	9.1	13.7

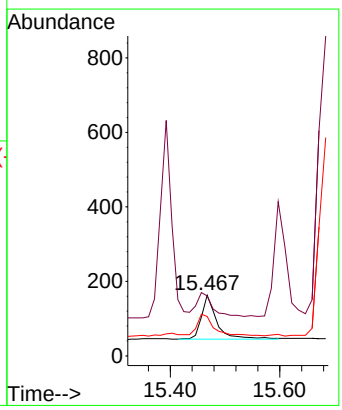


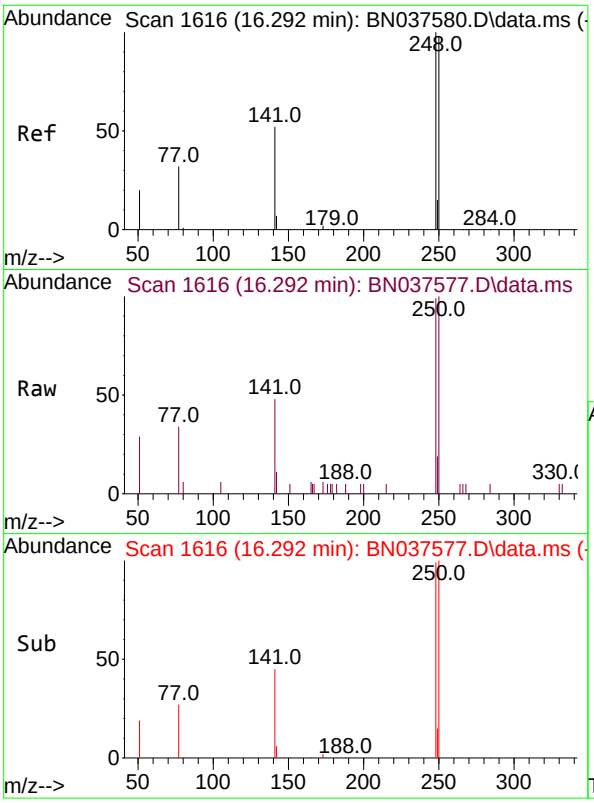


#20
4,6-Dinitro-2-methylphenol
Concen: 0.413 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:198 Resp: 240

Ion	Ratio	Lower	Upper
198	100		
51	98.8	81.0	121.6
105	65.0	52.5	78.7



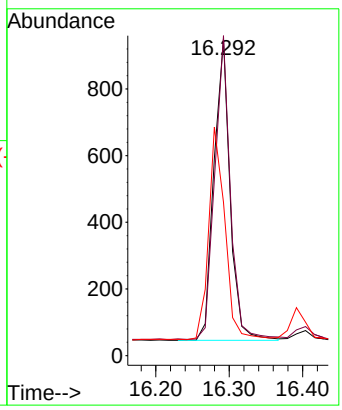


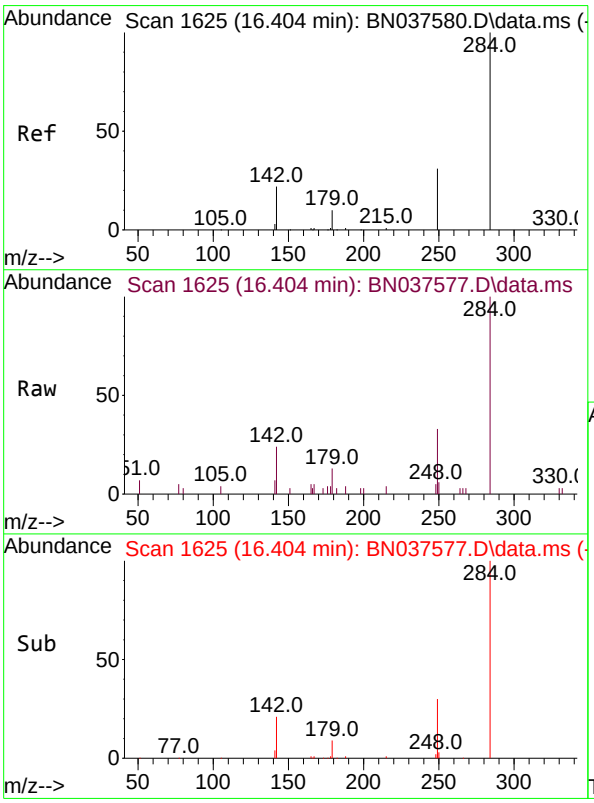
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1378

Ion	Ratio	Lower	Upper
248	100		
250	100.9	78.6	118.0
141	48.4	43.7	65.5

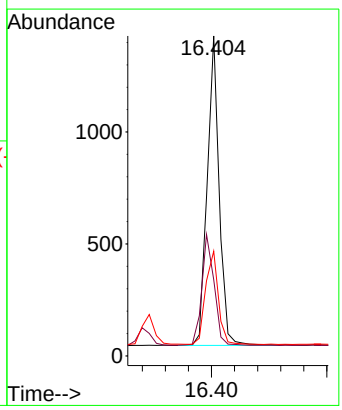


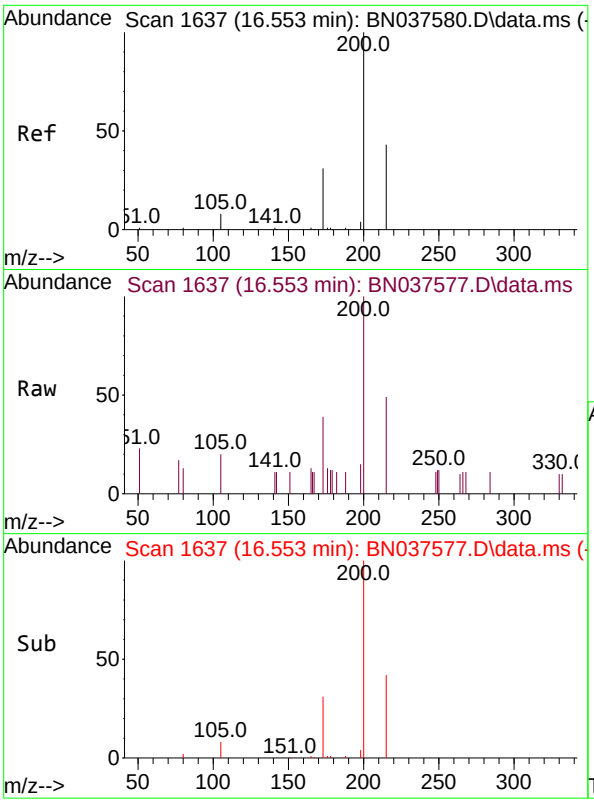


#22
Hexachlorobenzene
Concen: 0.392 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:284 Resp: 1985

Ion	Ratio	Lower	Upper
284	100		
142	36.8	29.8	44.6
249	32.3	26.0	39.0



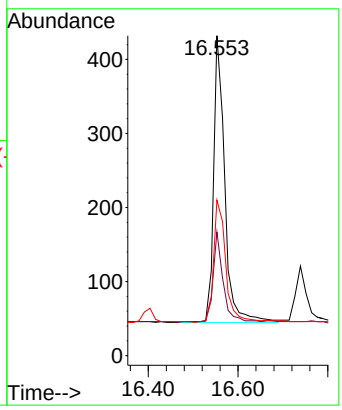


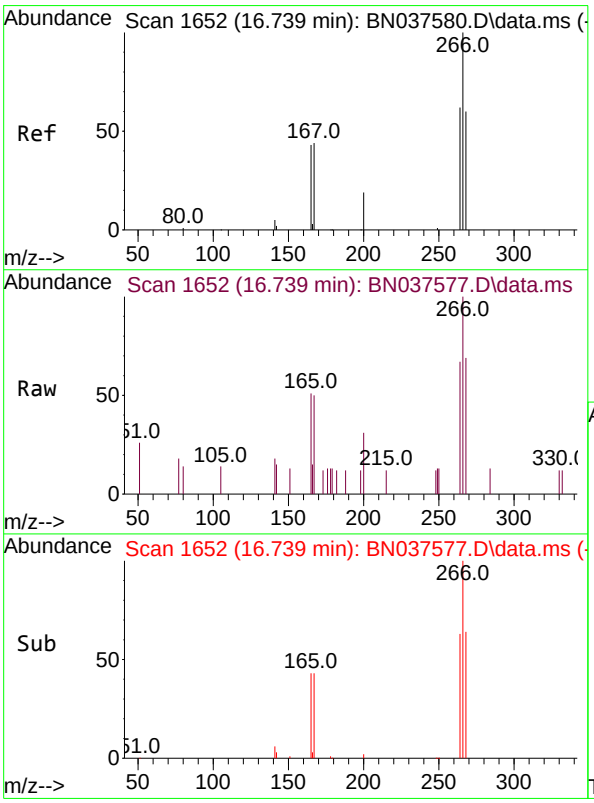
#23
Atrazine
Concen: 0.327 ng
RT: 16.553 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 662

Ion	Ratio	Lower	Upper
200	100		
173	38.7	31.0	46.4
215	48.6	39.4	59.0

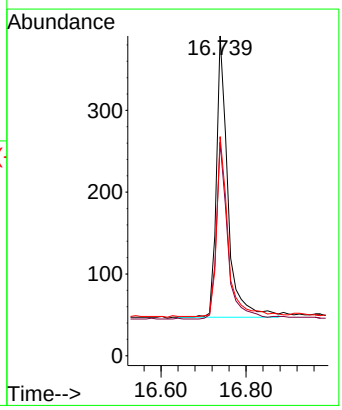


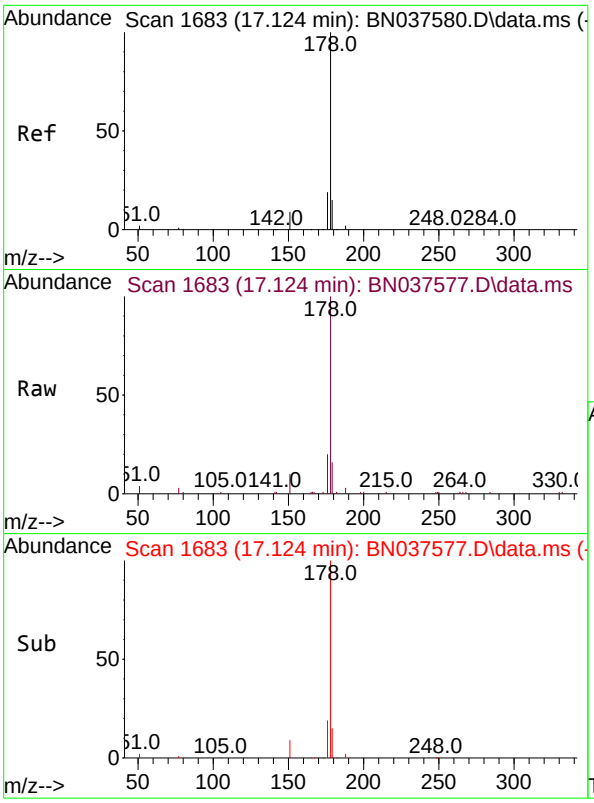


#24
Pentachlorophenol
Concen: 0.361 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:266 Resp: 643

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.6	74.4
268	63.8	49.2	73.8



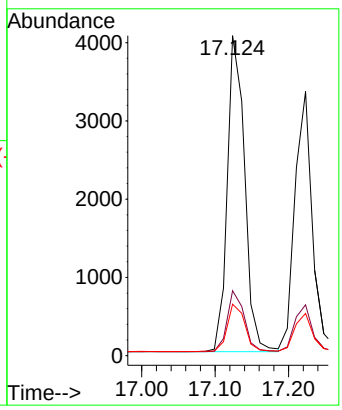


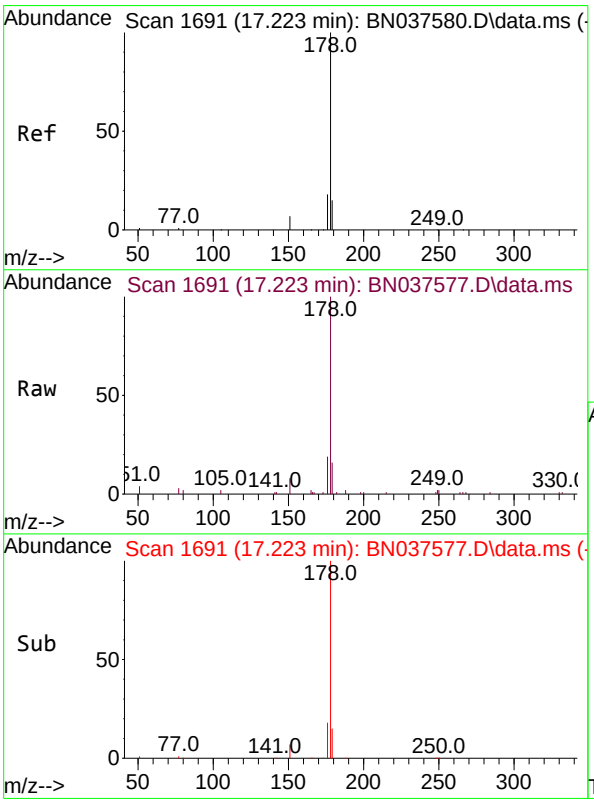
#25
Phenanthrene
Concen: 0.383 ng
RT: 17.124 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 6623

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.4	12.3	18.5

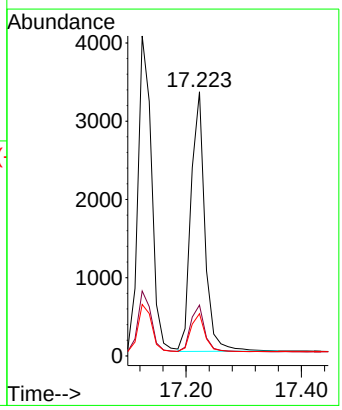


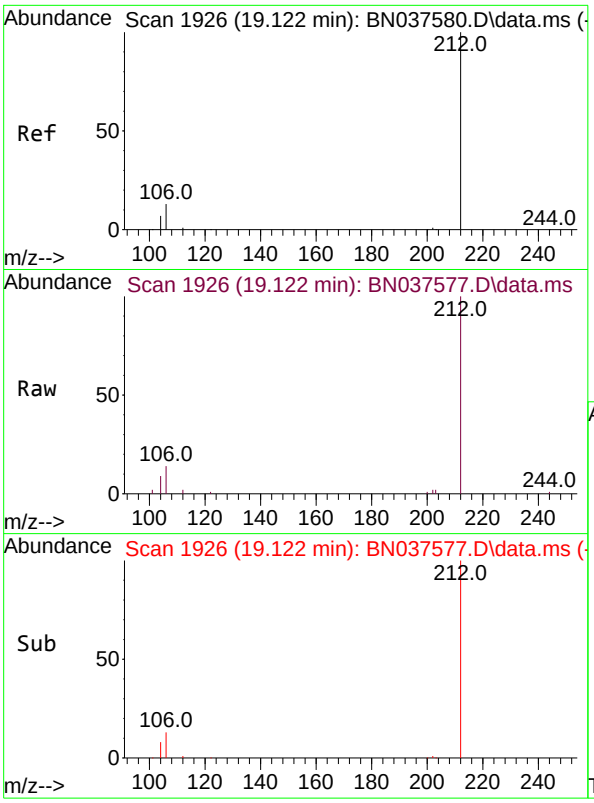


#26
Anthracene
Concen: 0.363 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:178 Resp: 5564

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.0	12.3	18.5





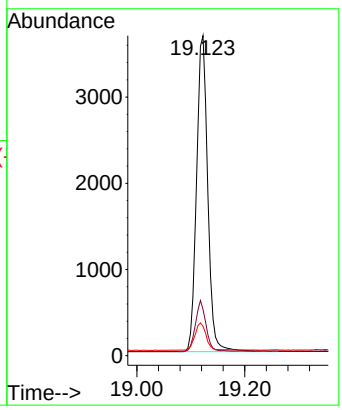
#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.122 min Scan# 1

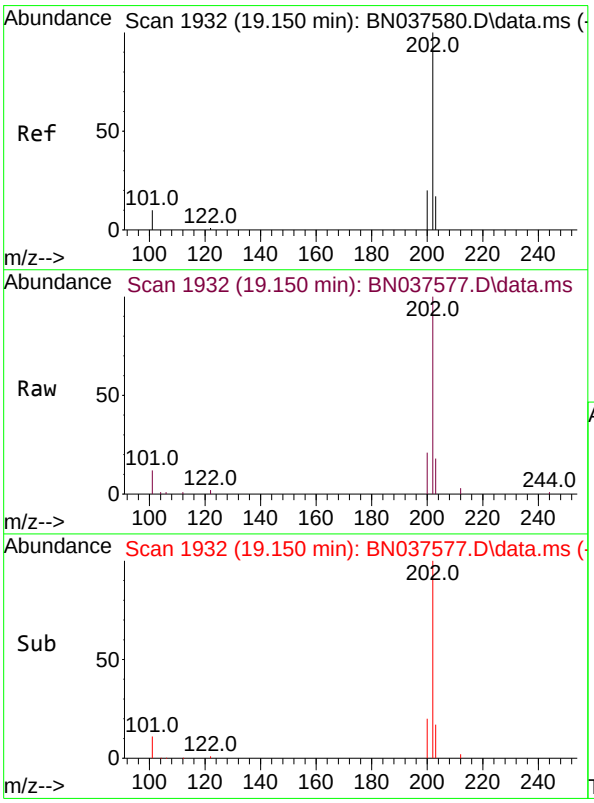
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:212 Resp: 5295

Ion	Ratio	Lower	Upper
212	100		
106	14.9	11.5	17.3
104	8.9	6.6	9.8

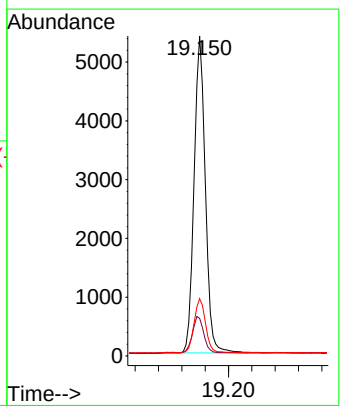


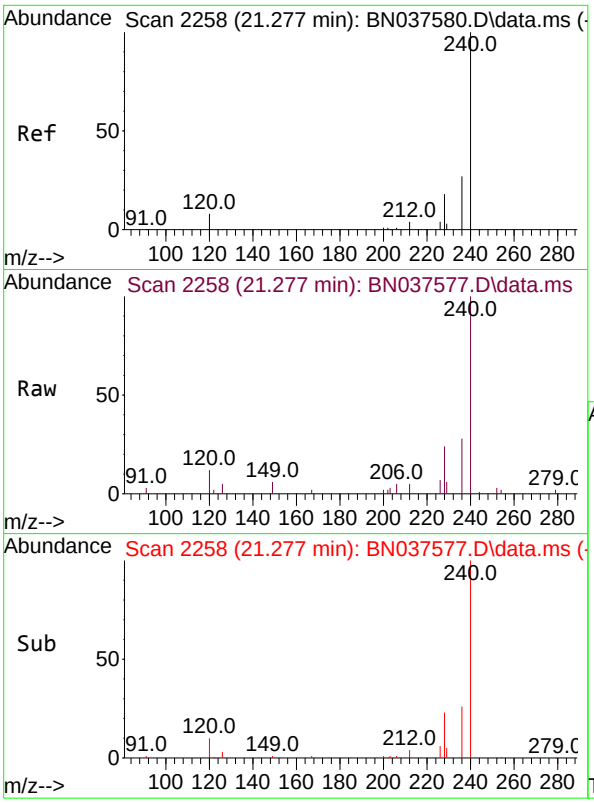


#28
Fluoranthene
Concen: 0.364 ng
RT: 19.150 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:202 Resp: 7242

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.0	13.6
203	17.1	13.8	20.8



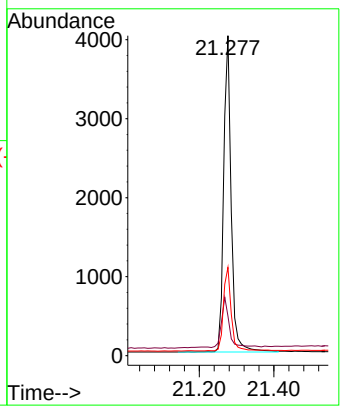


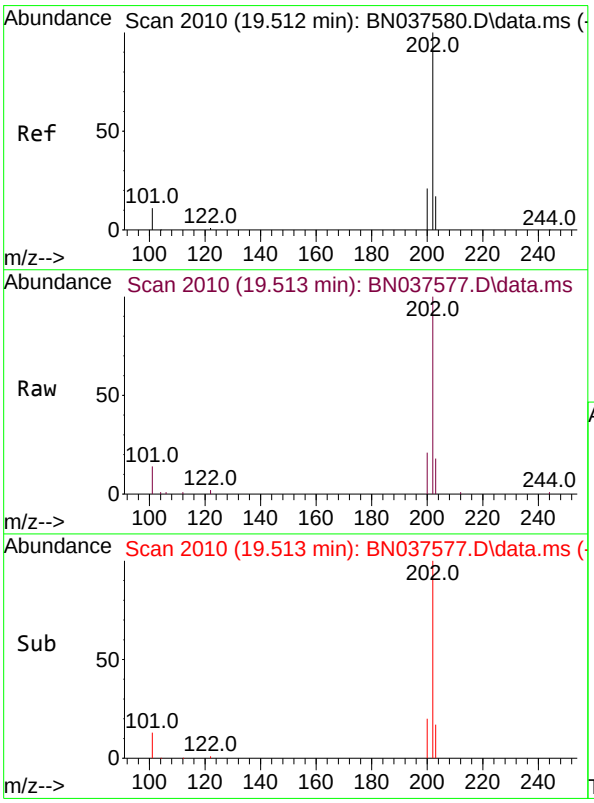
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5657

Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.9	13.3
236	27.6	22.6	33.8

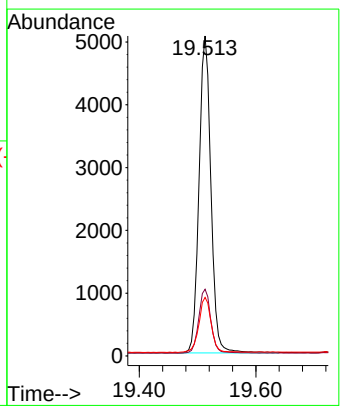


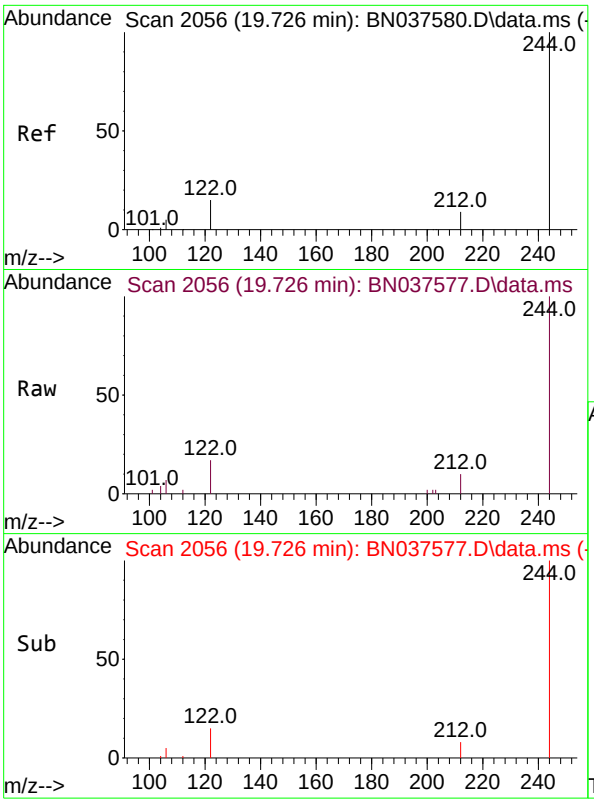


#30
Pyrene
Concen: 0.338 ng
RT: 19.513 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:202 Resp: 7146

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	18.0	14.3	21.5



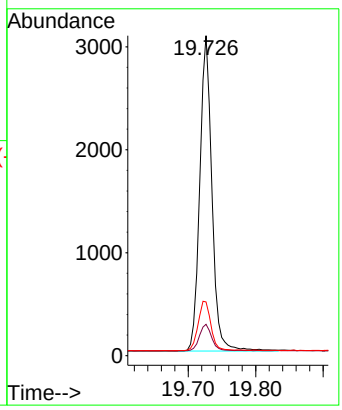


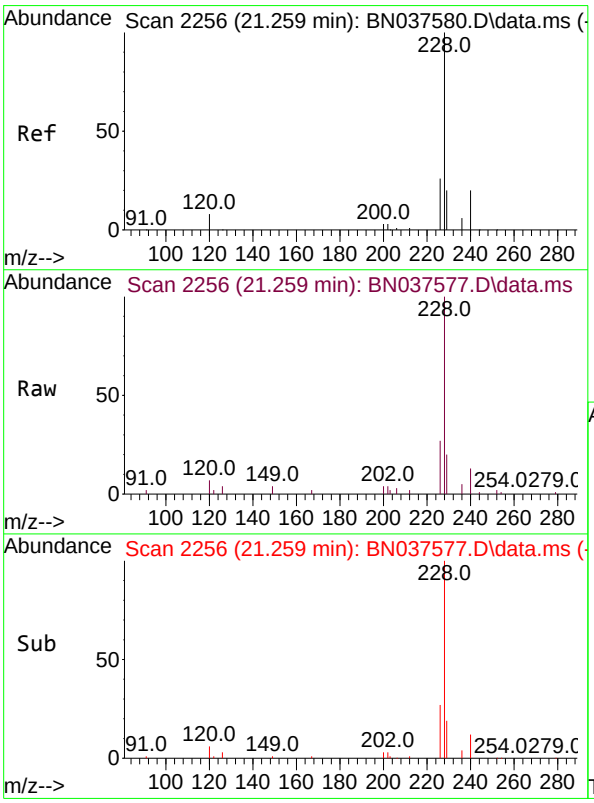
#31
Terphenyl-d14
Concen: 0.329 ng
RT: 19.726 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 3831

Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.2	12.2
122	16.8	13.2	19.8

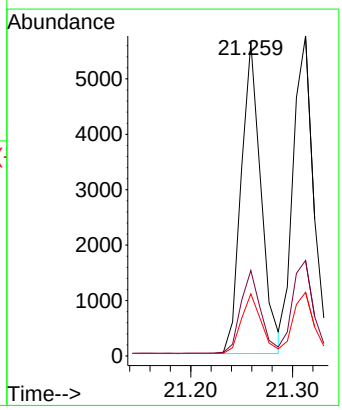


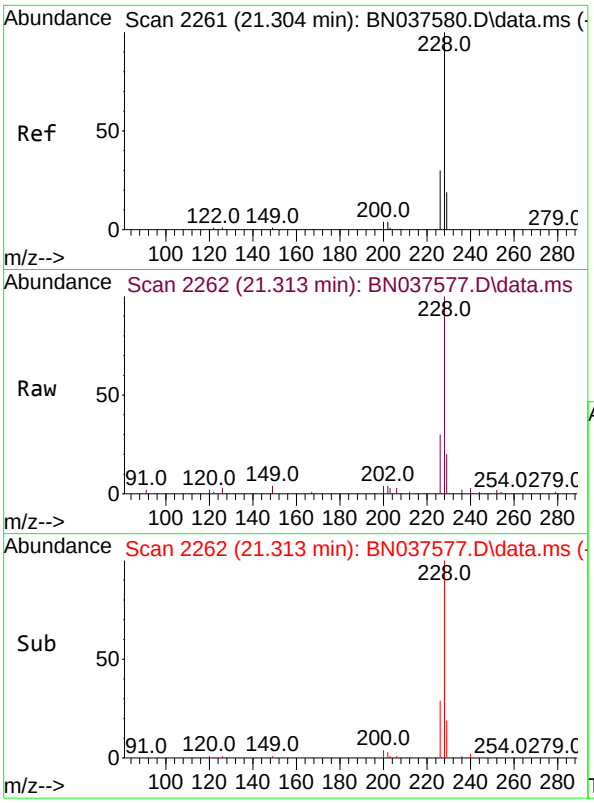


#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:228 Resp: 7605

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.5	32.3
229	19.8	16.5	24.7



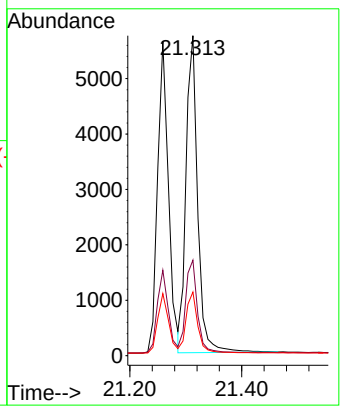


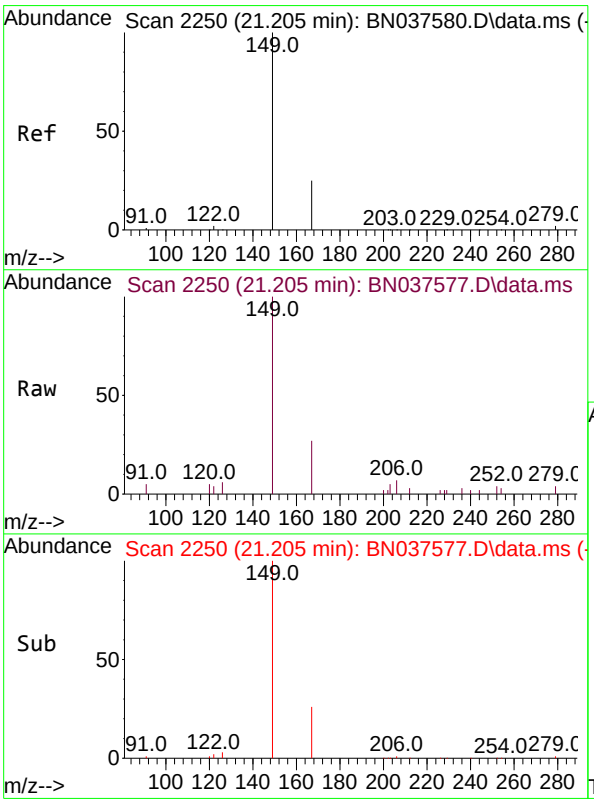
#33
Chrysene
Concen: 0.392 ng
RT: 21.313 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 8254

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	19.9	15.8	23.8

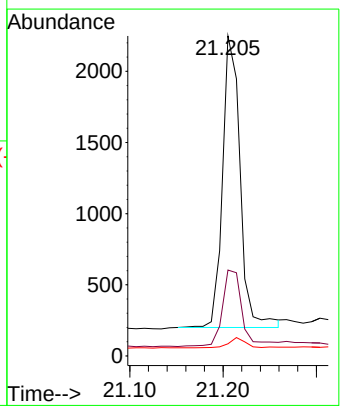


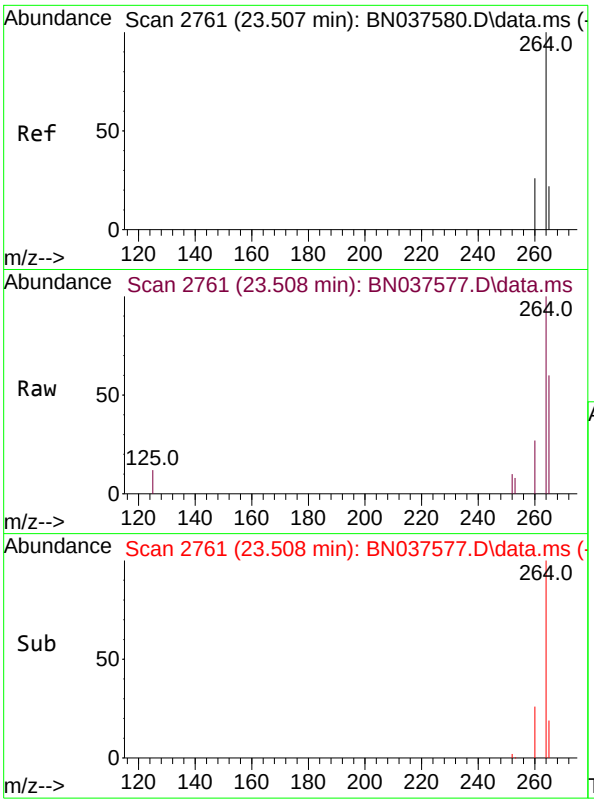


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.343 ng
RT: 21.205 min Scan# 2250
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:149 Resp: 2677

Ion	Ratio	Lower	Upper
149	100		
167	29.7	20.5	30.7
279	3.2	2.6	4.0



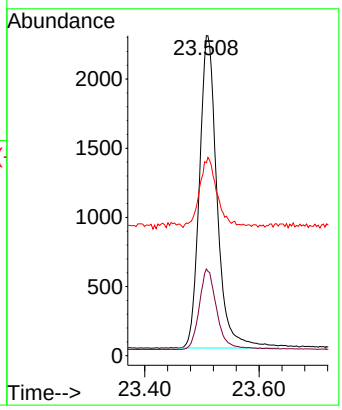


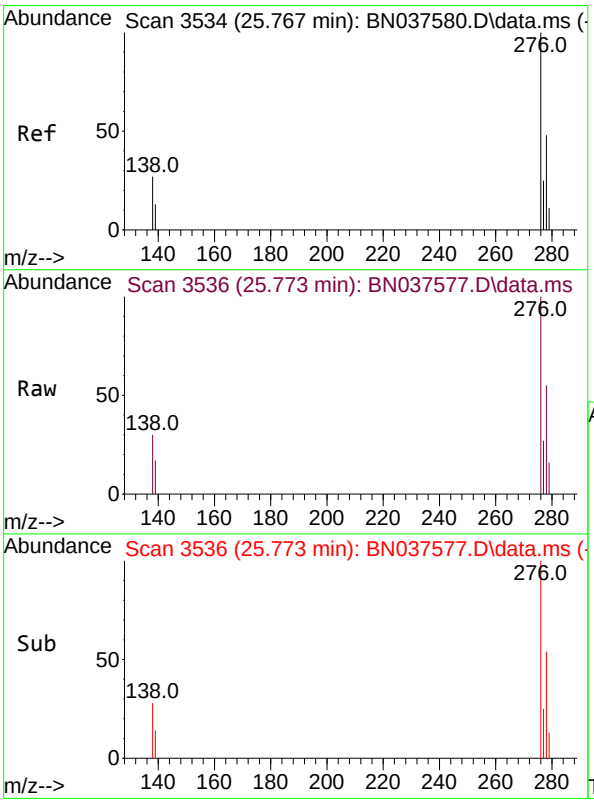
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 4838

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.6	32.4
265	60.3	48.2	72.4

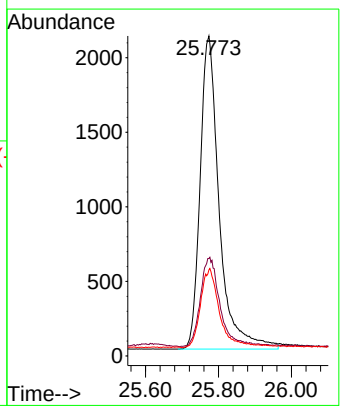


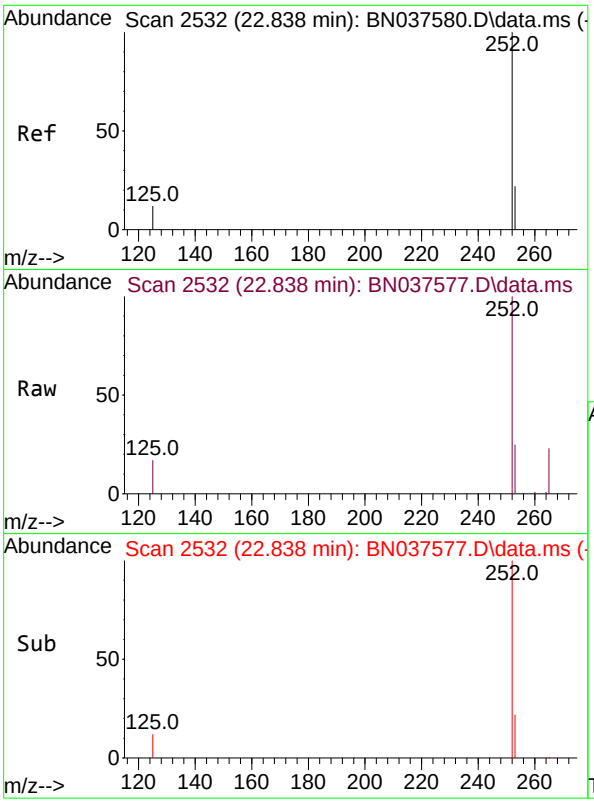


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng
RT: 25.773 min Scan# 3536
Delta R.T. 0.006 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:276 Resp: 7647

Ion	Ratio	Lower	Upper
276	100		
138	28.9	23.3	34.9
277	25.0	19.5	29.3



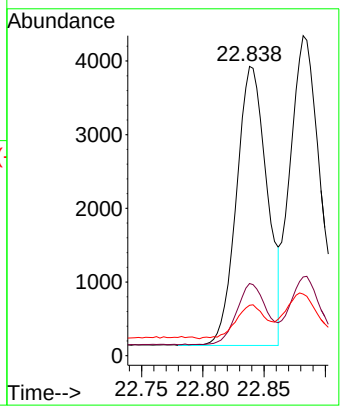


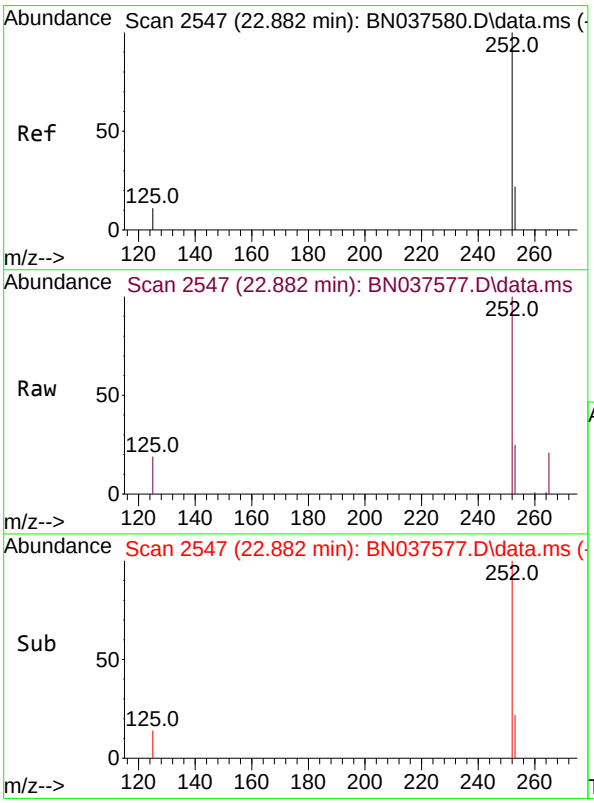
#37
Benzo(b)fluoranthene
Concen: 0.358 ng
RT: 22.838 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6567

Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.0	30.0
125	17.4	13.8	20.6

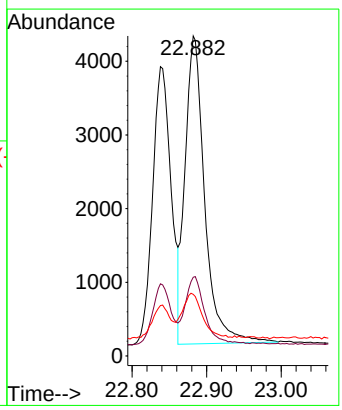


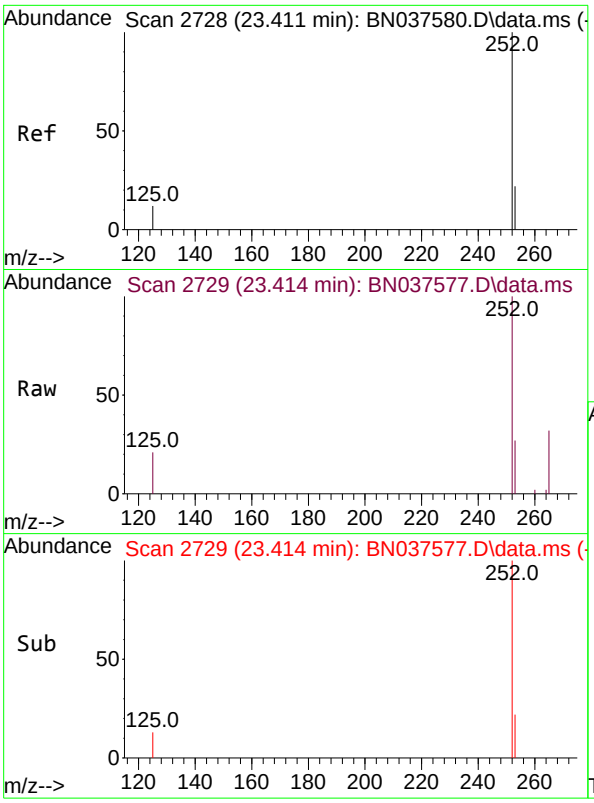


#38
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 22.882 min Scan# 2547
Delta R.T. 0.000 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:252 Resp: 7652

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.9	29.9
125	19.2	15.0	22.6



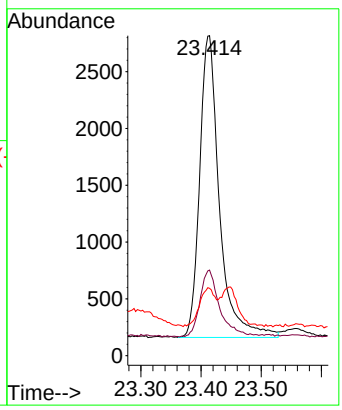


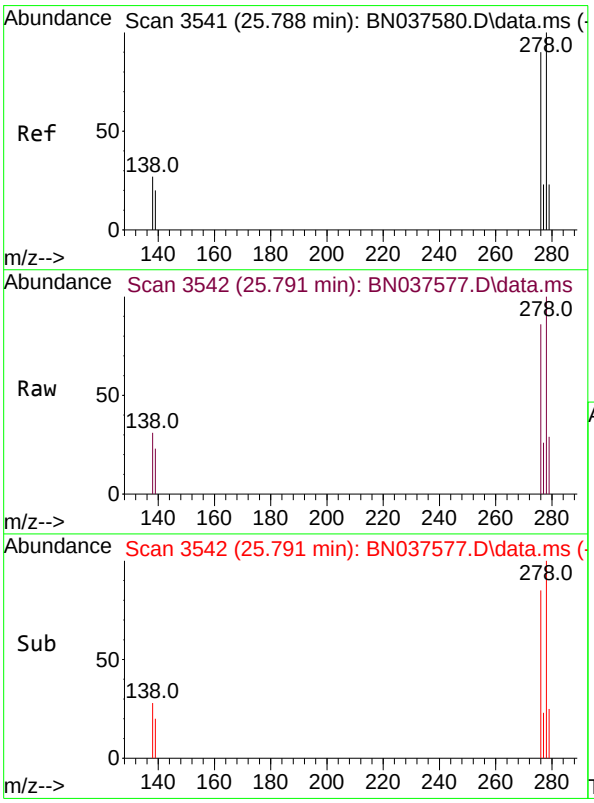
#39
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.414 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6058

Ion	Ratio	Lower	Upper
252	100		
253	26.7	21.6	32.4
125	21.1	16.8	25.2

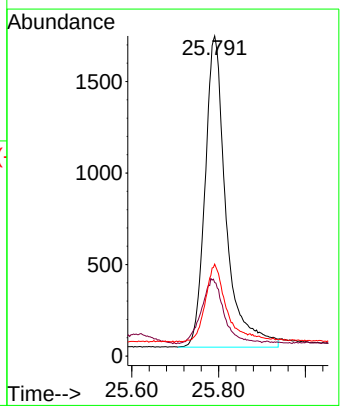


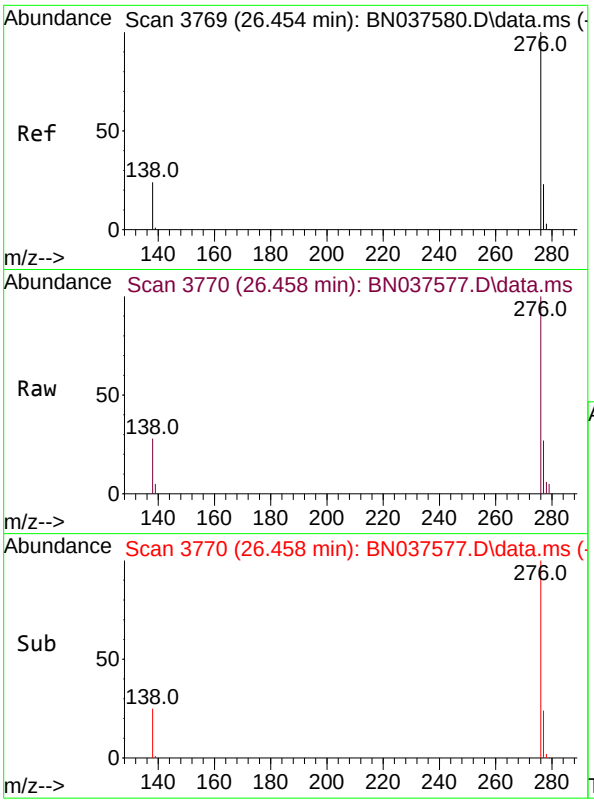


#40
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 25.791 min Scan# 3542
Delta R.T. 0.003 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Tgt Ion:278 Resp: 5699

Ion	Ratio	Lower	Upper
278	100		
139	23.0	18.3	27.5
279	28.7	22.5	33.7





#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 26.458 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037577.D
Acq: 12 Aug 2025 15:49

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 6033

Ion	Ratio	Lower	Upper
276	100		
277	26.7	21.0	31.4
138	27.7	21.7	32.5