Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091025\
Data File : BN037679.D
Acq On : 10 Sep 2025 12:06
Operator : RC/JU
Sample : Q2893-02
Misc : LOQ-SOIL 0.2 ng
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 10 12:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 10 02:02:04 2025
Response via : Initial Calibration

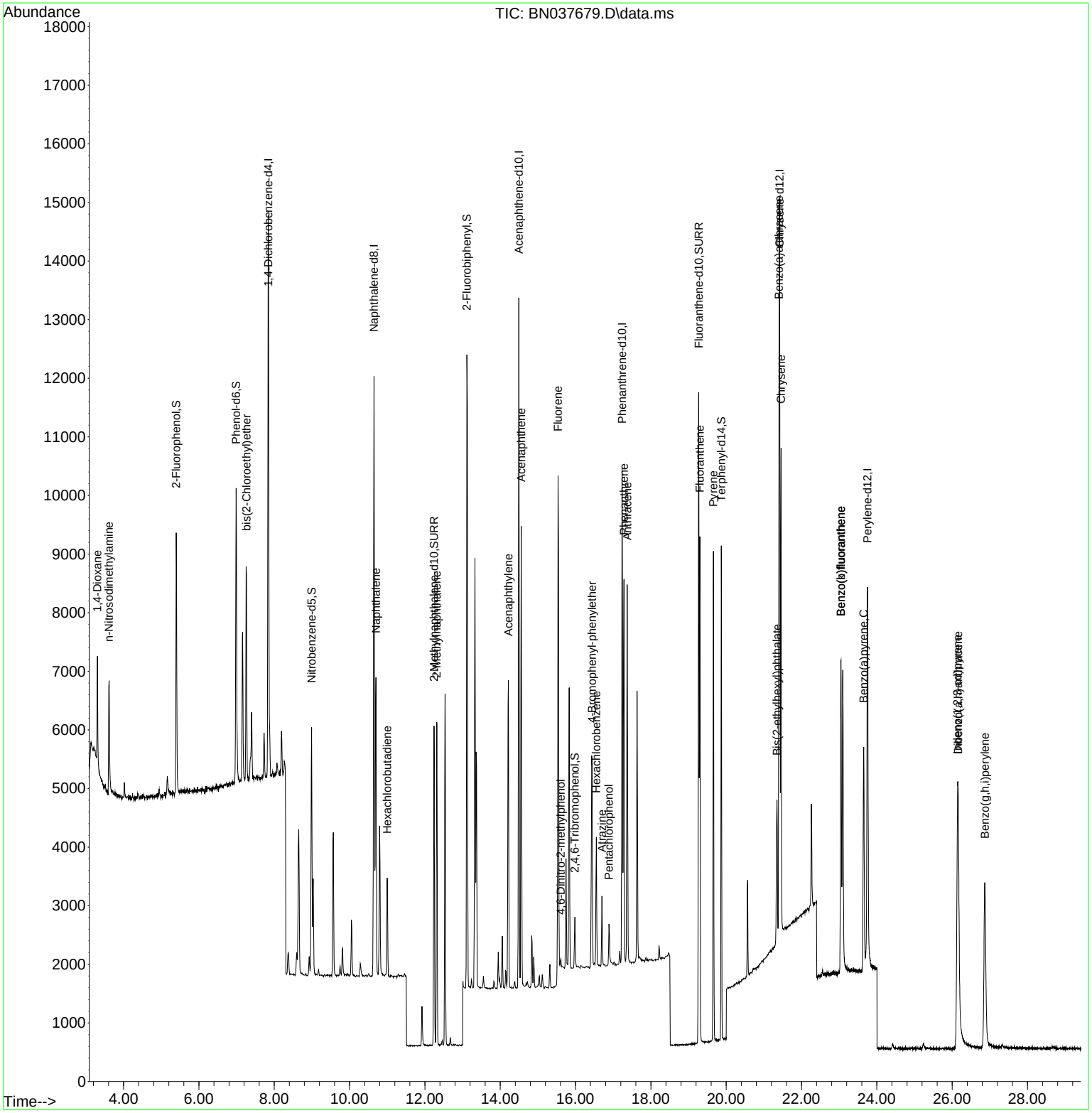
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	4733	0.400	ng		0.00
7) Naphthalene-d8	10.647	136	13068	0.400	ng		0.00
13) Acenaphthene-d10	14.494	164	6289	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	11503	0.400	ng		#-0.01
29) Chrysene-d12	21.420	240	9415	0.400	ng		0.00
35) Perylene-d12	23.753	264	9531	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	3614	0.298	ng		0.00
5) Phenol-d6	6.988	99	4684	0.308	ng		0.00
8) Nitrobenzene-d5	8.993	82	3289	0.409	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	7233	0.394	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	524	0.300	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	9907	0.401	ng		-0.01
27) Fluoranthene-d10	19.271	212	12350	0.416	ng		0.00
31) Terphenyl-d14	19.870	244	7854	0.396	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	1097	0.214	ng		97
3) n-Nitrosodimethylamine	3.608	42	1287	0.199	ng		100
6) bis(2-Chloroethyl)ether	7.262	93	2696	0.209	ng		98
9) Naphthalene	10.701	128	7012	0.198	ng		98
10) Hexachlorobutadiene	11.000	225	1272	0.203	ng	#	98
12) 2-Methylnaphthalene	12.314	142	3980	0.174	ng		98
16) Acenaphthylene	14.216	152	6107	0.208	ng		99
17) Acenaphthene	14.558	154	3773	0.200	ng		98
18) Fluorene	15.535	166	4424	0.192	ng		95
20) 4,6-Dinitro-2-methylph...	15.609	198	146	0.228	ng	#	74
21) 4-Bromophenyl-phenylether	16.441	248	1490	0.198	ng		99
22) Hexachlorobenzene	16.553	284	1722	0.216	ng		99
23) Atrazine	16.701	200	885	0.188	ng		96
24) Pentachlorophenol	16.888	266	419	0.157	ng		94
25) Phenanthrene	17.285	178	7171	0.204	ng		99
26) Anthracene	17.372	178	6428	0.197	ng		98
28) Fluoranthene	19.299	202	7488	0.190	ng		99
30) Pyrene	19.661	202	7449	0.198	ng		99
32) Benzo(a)anthracene	21.402	228	6596	0.196	ng		98
33) Chrysene	21.456	228	7086	0.208	ng		99
34) Bis(2-ethylhexyl)phtha...	21.348	149	1786	0.191	ng	#	97
36) Indeno(1,2,3-cd)pyrene	26.142	276	7130	0.197	ng		99
37) Benzo(b)fluoranthene	23.048	252	6890	0.196	ng	#	91
38) Benzo(k)fluoranthene	23.048	252	6890	0.199	ng		93
39) Benzo(a)pyrene	23.651	252	6006	0.205	ng	#	89
40) Dibenzo(a,h)anthracene	26.162	278	5444	0.200	ng	#	92
41) Benzo(g,h,i)perylene	26.867	276	6612	0.202	ng		96

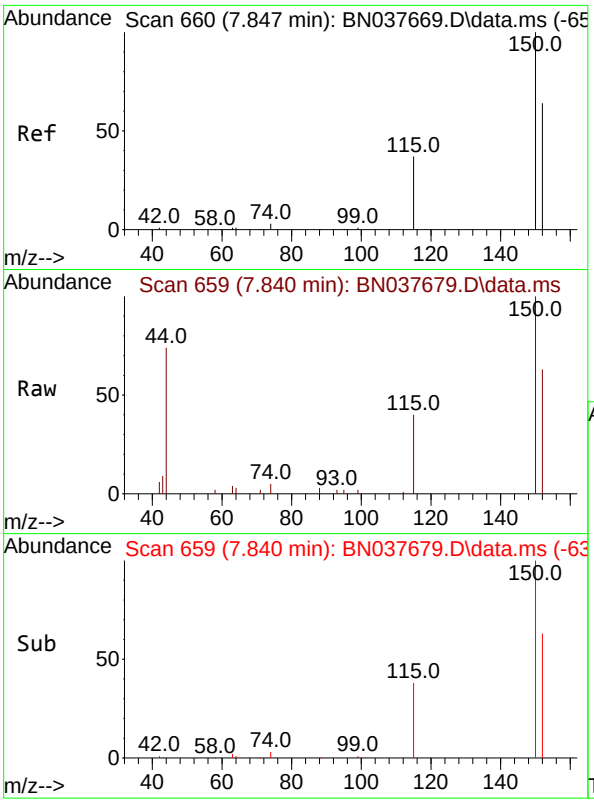
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091025\
Data File : BN037679.D
Acq On : 10 Sep 2025 12:06
Operator : RC/JU
Sample : Q2893-02
Misc : LOQ-SOIL 0.2 ng
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 10 12:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 10 02:02:04 2025
Response via : Initial Calibration



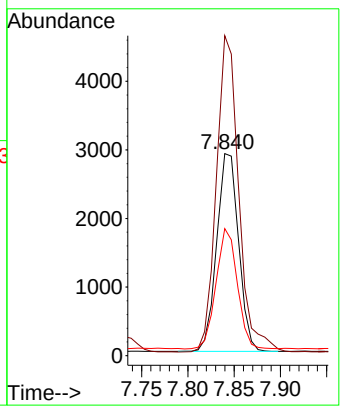


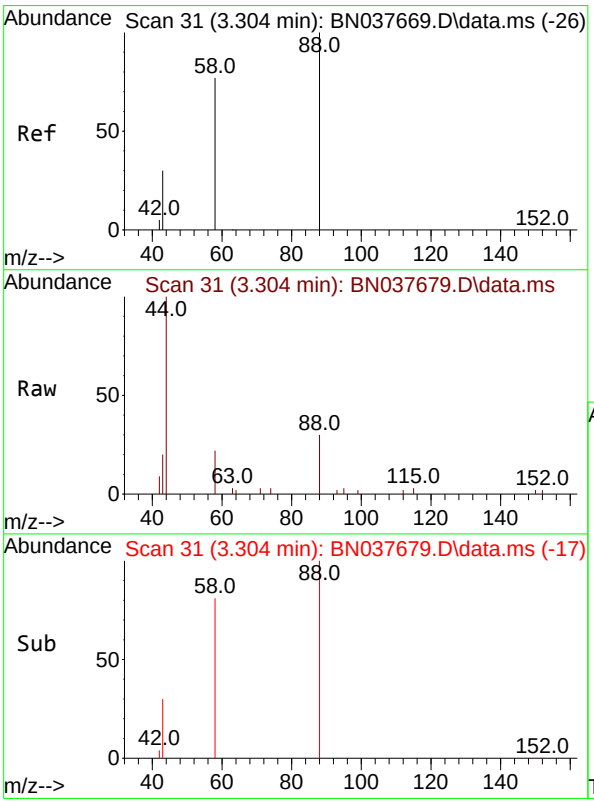
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 4733

Ion	Ratio	Lower	Upper
152	100		
150	158.4	123.2	184.8
115	62.9	49.0	73.4

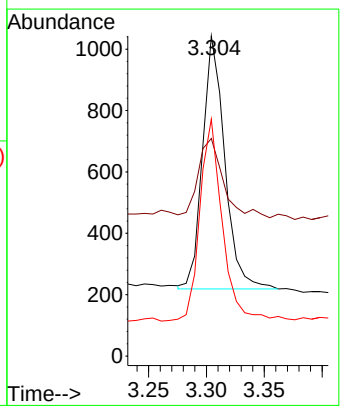


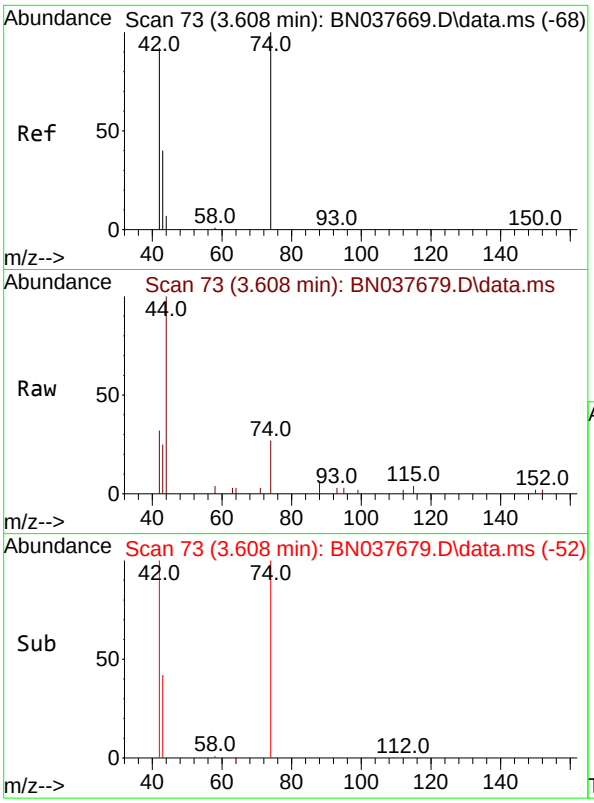


#2
1,4-Dioxane
Concen: 0.214 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion: 88 Resp: 1097

Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.8	40.2
58	81.2	62.6	93.8



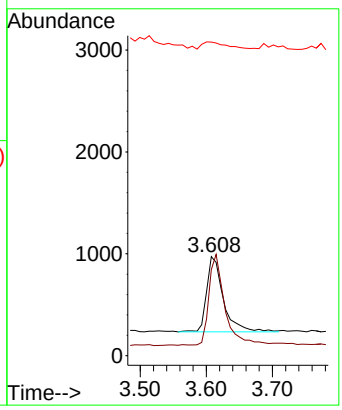


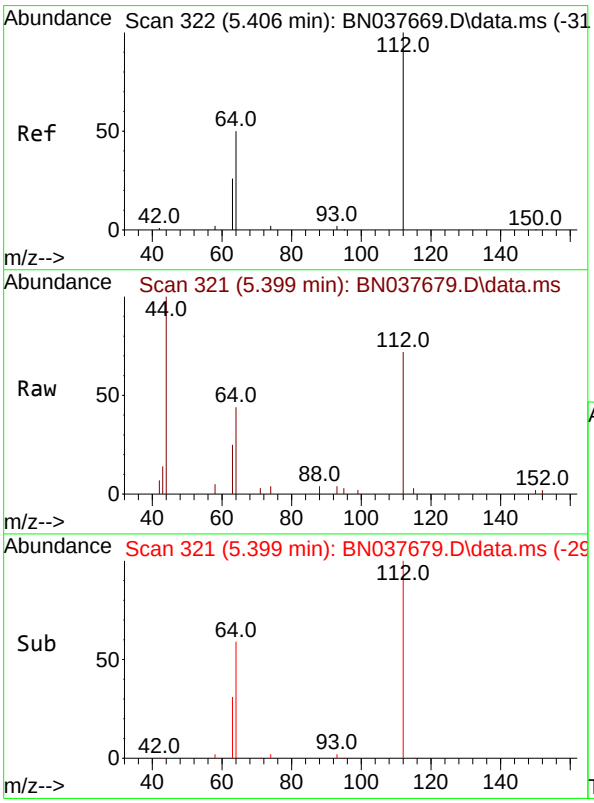
#3
n-Nitrosodimethylamine
Concen: 0.199 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 1287

Ion	Ratio	Lower	Upper
42	100		
74	118.5	94.9	142.3
44	14.0	10.6	16.0

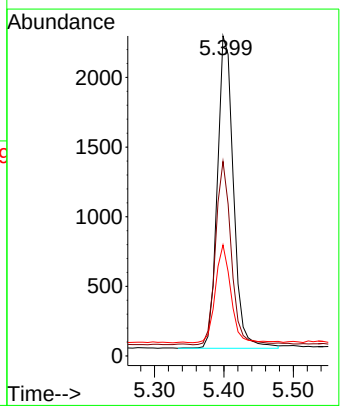


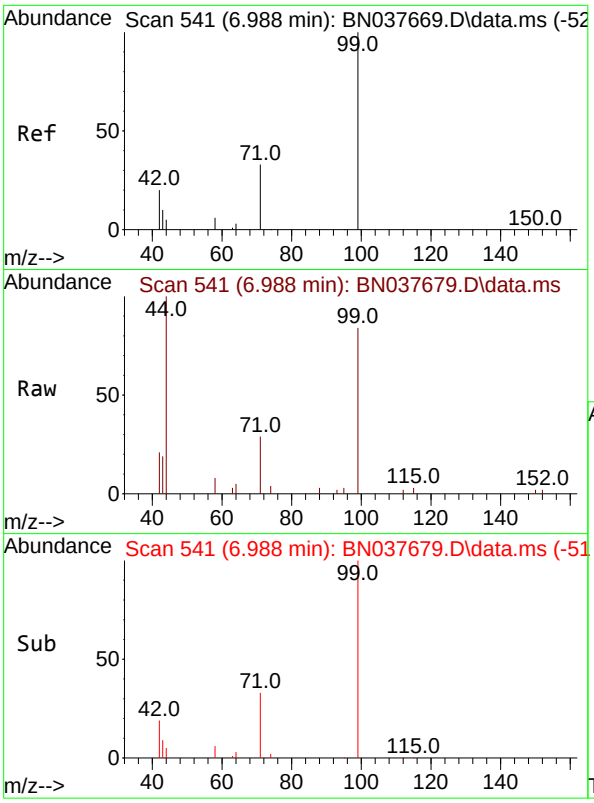


#4
2-Fluorophenol
Concen: 0.298 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.007 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:112 Resp: 3614

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.4	68.2
63	30.2	23.7	35.5



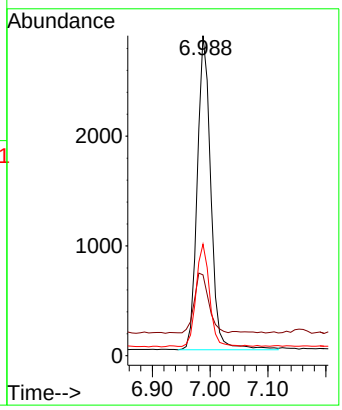


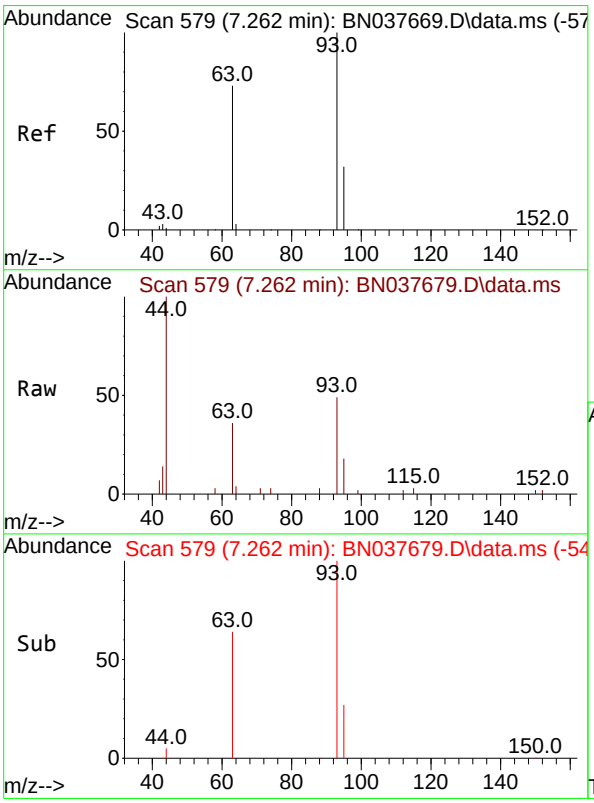
#5
Phenol-d6
Concen: 0.308 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 4684

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.7	26.5
71	31.8	26.7	40.1

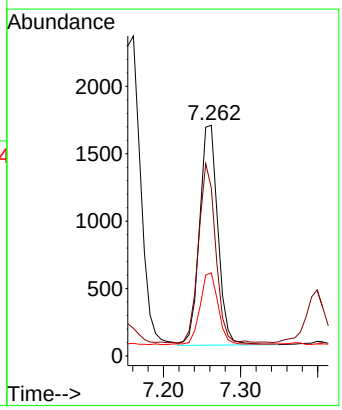


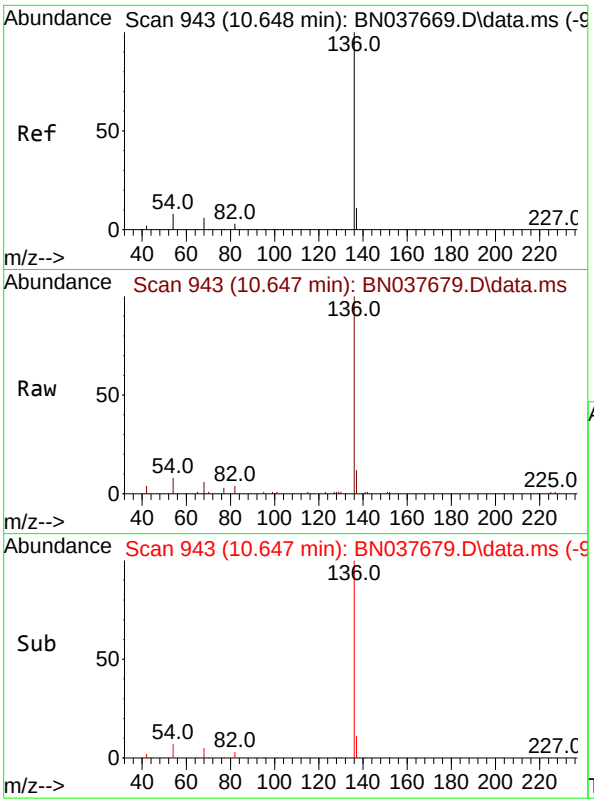


#6
bis(2-Chloroethyl)ether
Concen: 0.209 ng
RT: 7.262 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion: 93 Resp: 2696

Ion	Ratio	Lower	Upper
93	100		
63	76.1	62.1	93.1
95	33.1	26.0	39.0



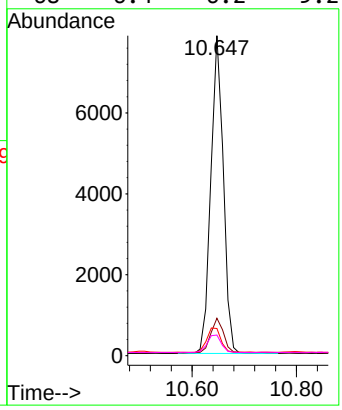


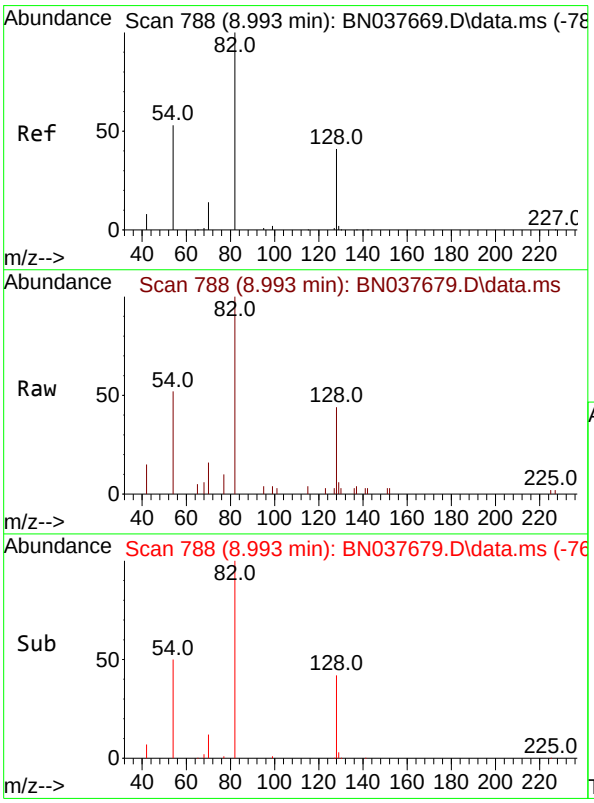
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 13068

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	8.5	8.1	12.1
68	6.4	6.2	9.2

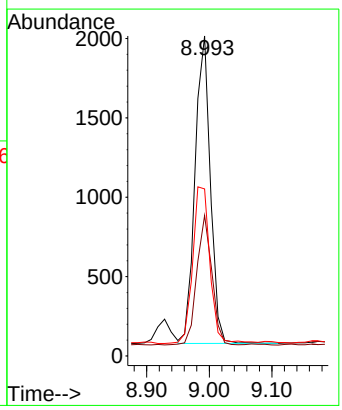


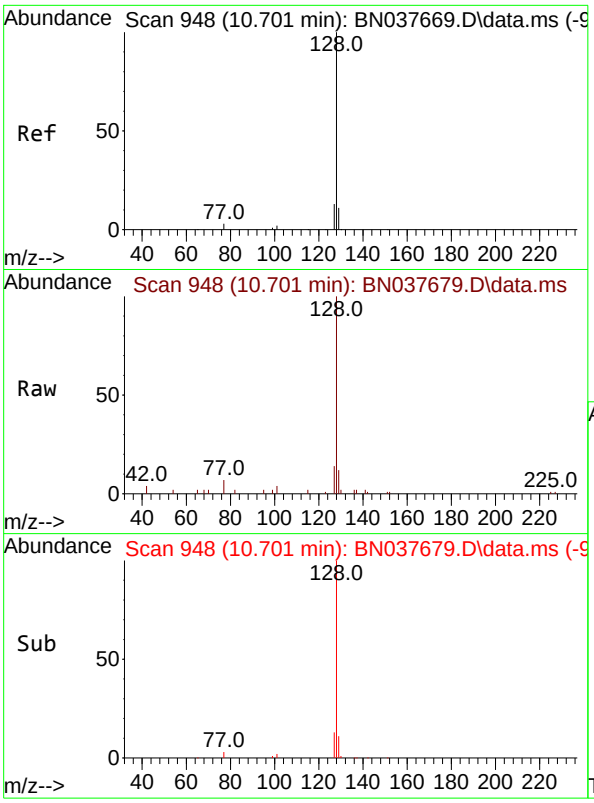


#8
Nitrobenzene-d5
Concen: 0.409 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion: 82 Resp: 3289

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.3	51.5
54	52.2	45.5	68.3



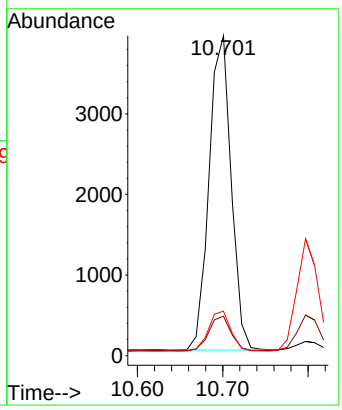


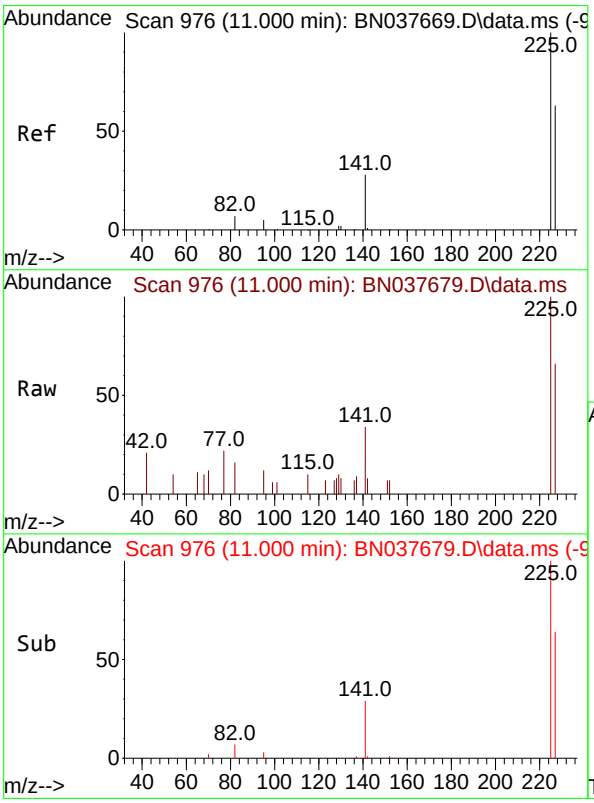
#9
Naphthalene
Concen: 0.198 ng
RT: 10.701 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 7012

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.3	13.9
127	13.9	10.7	16.1

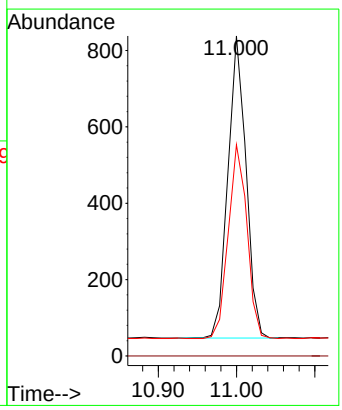


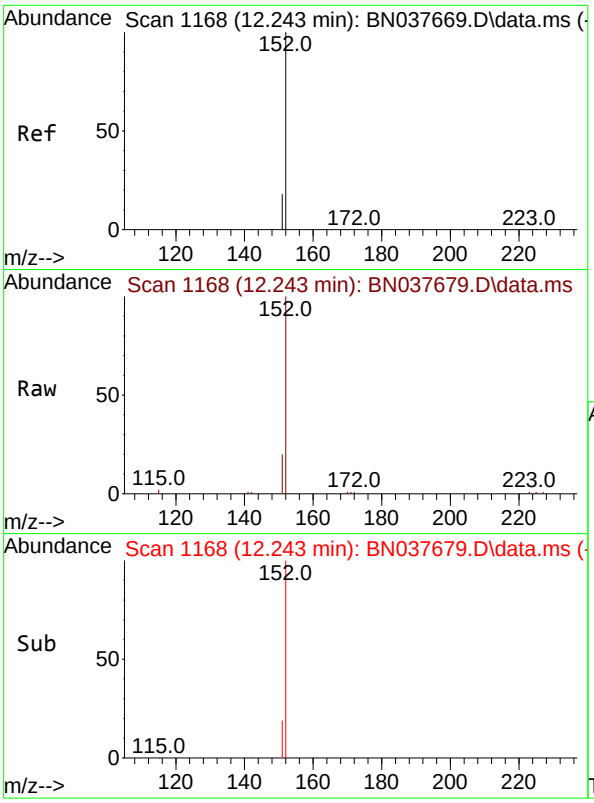


#10
Hexachlorobutadiene
Concen: 0.203 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:225 Resp: 1272

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.2	51.7	77.5



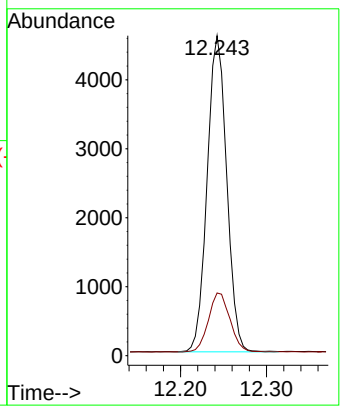


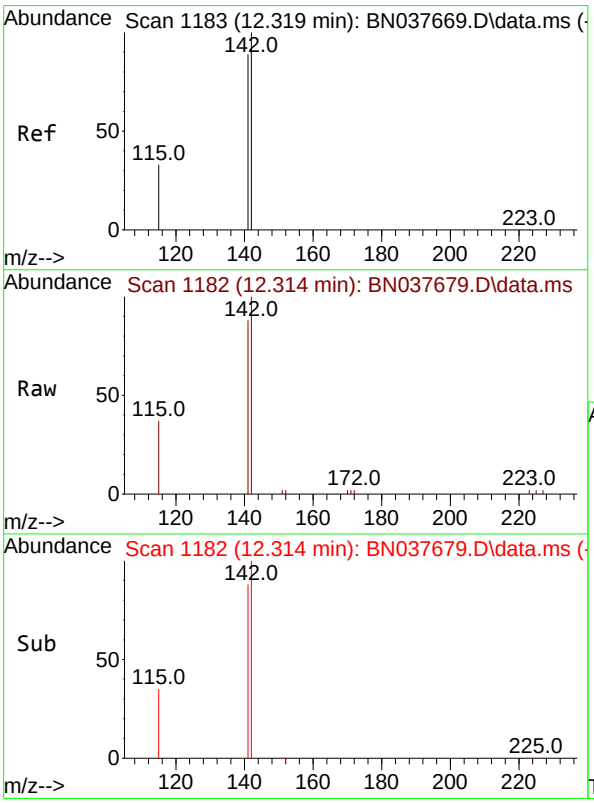
#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 12.243 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7233

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.7	25.1

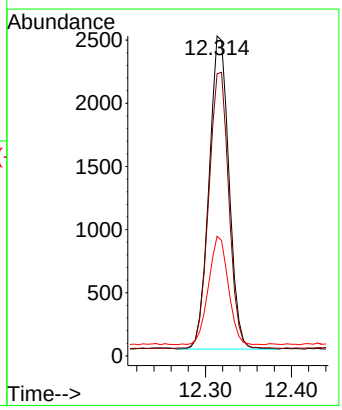


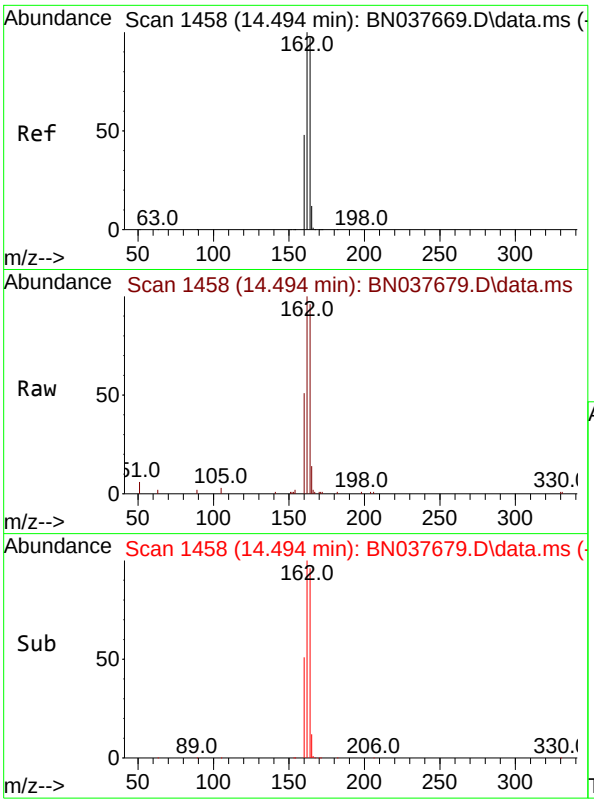


#12
2-Methylnaphthalene
Concen: 0.174 ng
RT: 12.314 min Scan# 1182
Delta R.T. -0.005 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:142 Resp: 3980

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.5	107.3
115	37.4	28.0	42.0



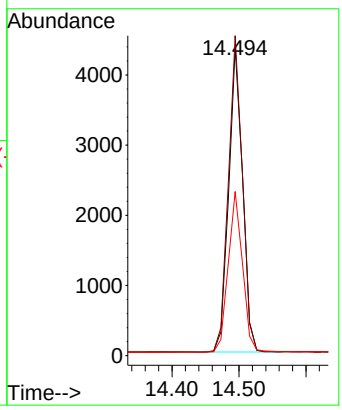


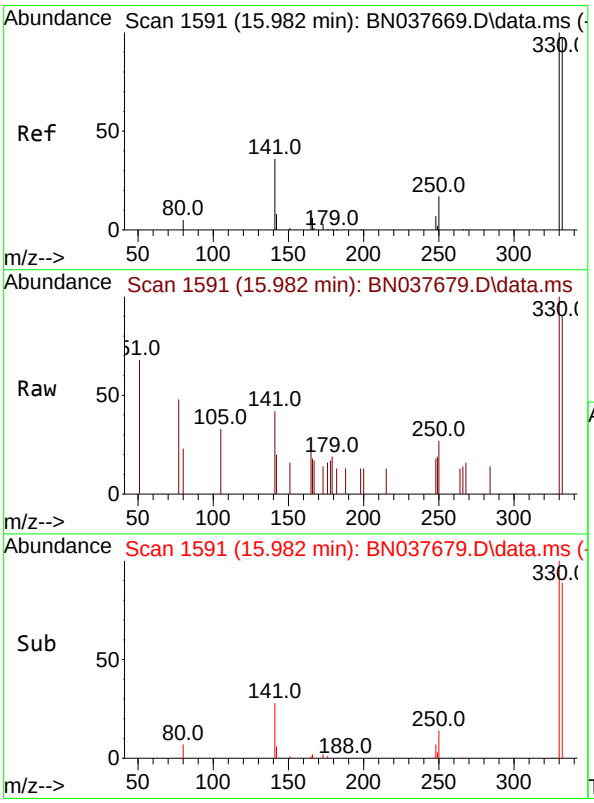
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 6289

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	53.2	39.7	59.5

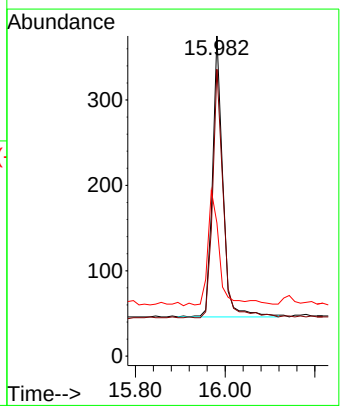


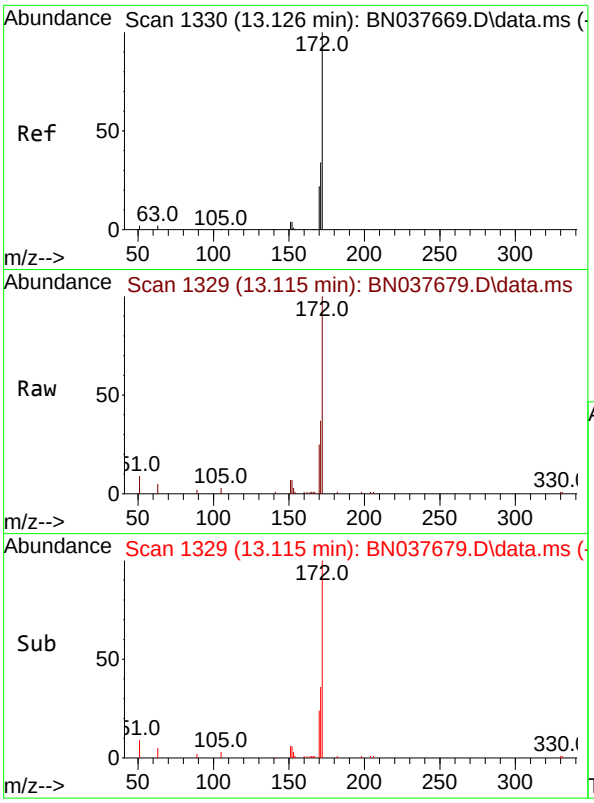


#14
2,4,6-Tribromophenol
Concen: 0.300 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:330 Resp: 524

Ion	Ratio	Lower	Upper
330	100		
332	91.6	78.8	118.2
141	43.3	37.8	56.6



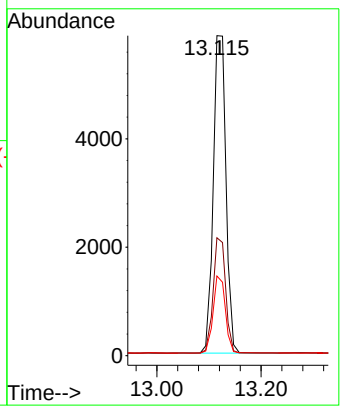


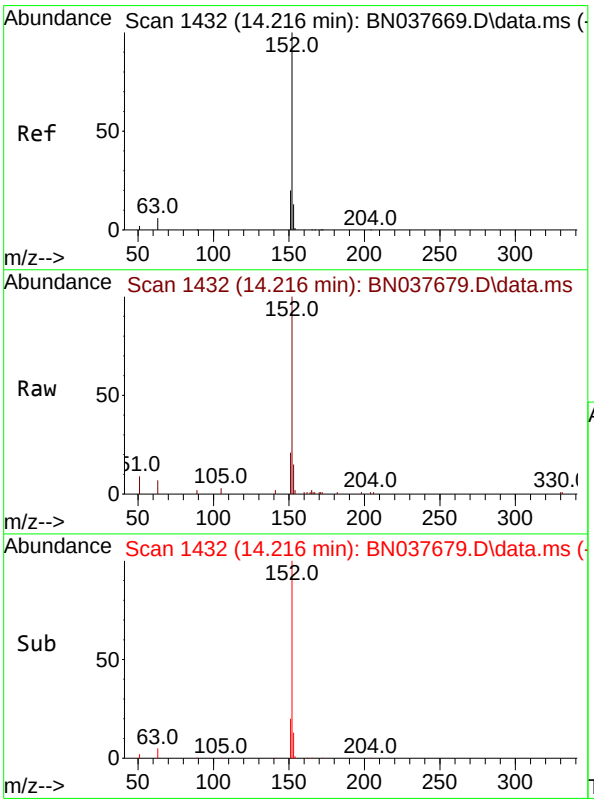
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 9907

Ion	Ratio	Lower	Upper
172	100		
171	36.9	27.8	41.8
170	24.9	18.4	27.6

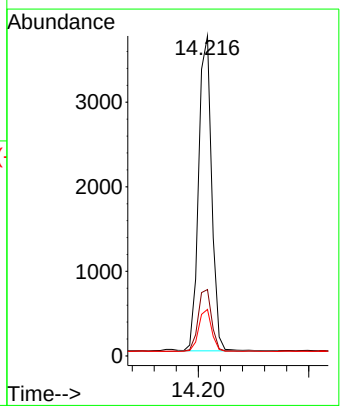


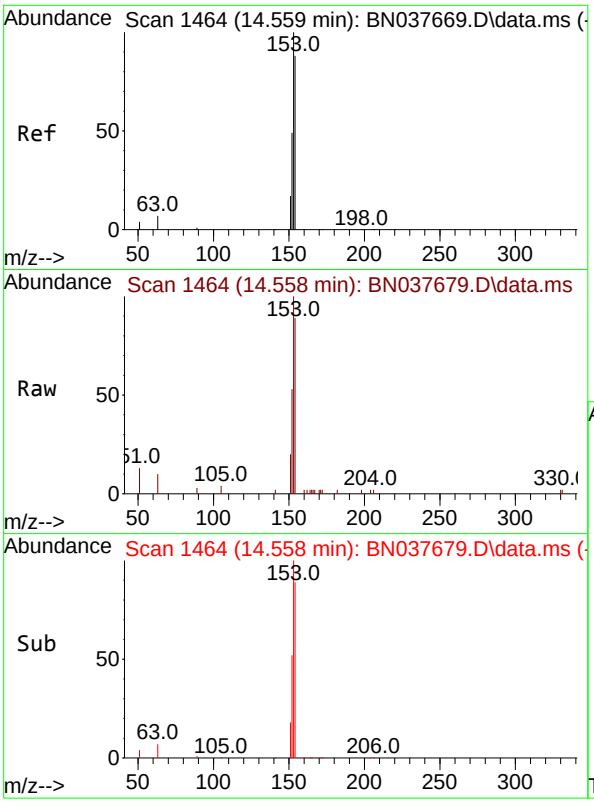


#16
Acenaphthylene
Concen: 0.208 ng
RT: 14.216 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:152 Resp: 6107

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	13.3	10.4	15.6



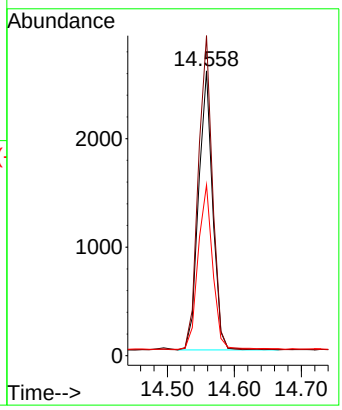


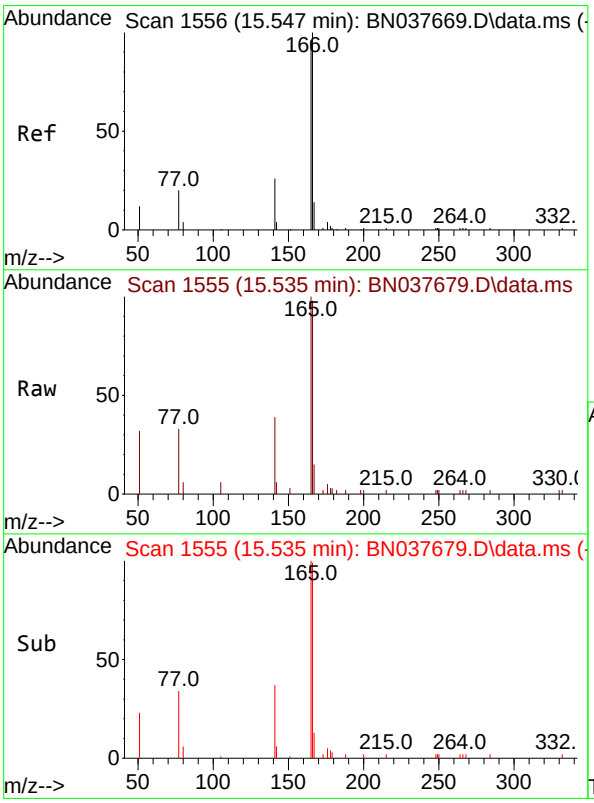
#17
Acenaphthene
Concen: 0.200 ng
RT: 14.558 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 3773

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.7	136.1
152	61.2	46.4	69.6

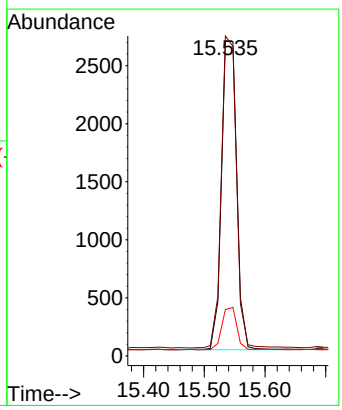


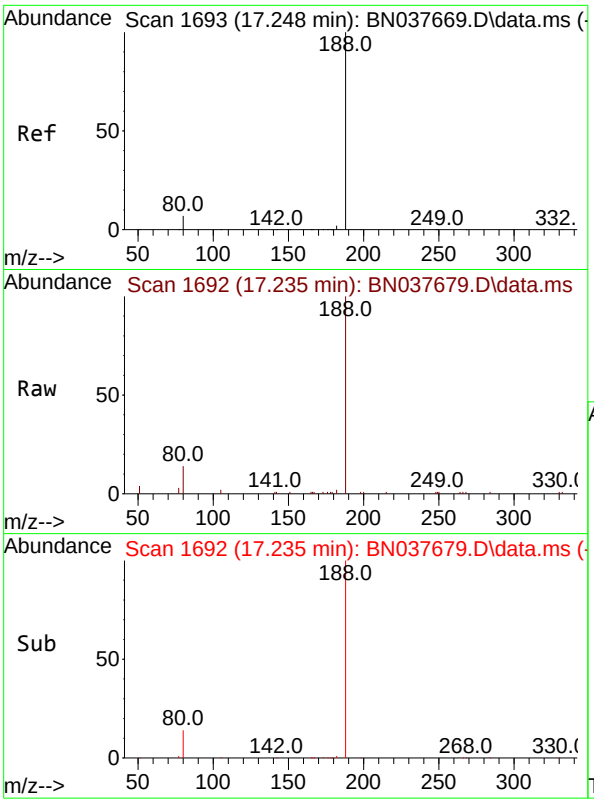


#18
Fluorene
Concen: 0.192 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.013 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:166 Resp: 4424

Ion	Ratio	Lower	Upper
166	100		
165	101.7	77.4	116.0
167	14.1	10.6	15.8



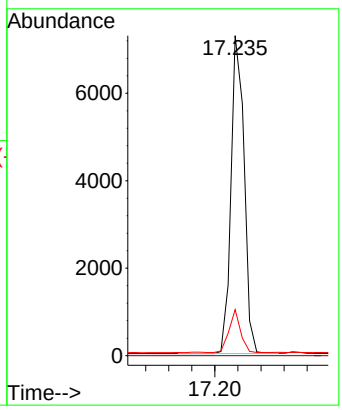


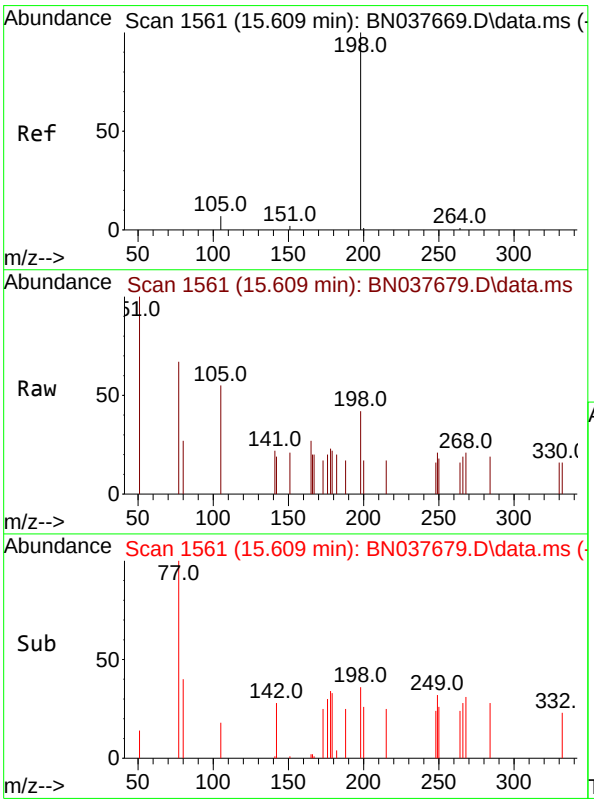
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 11503

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.4	6.3	9.5#

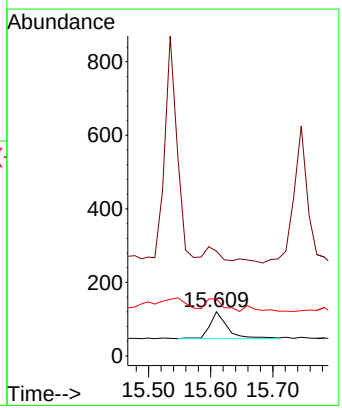


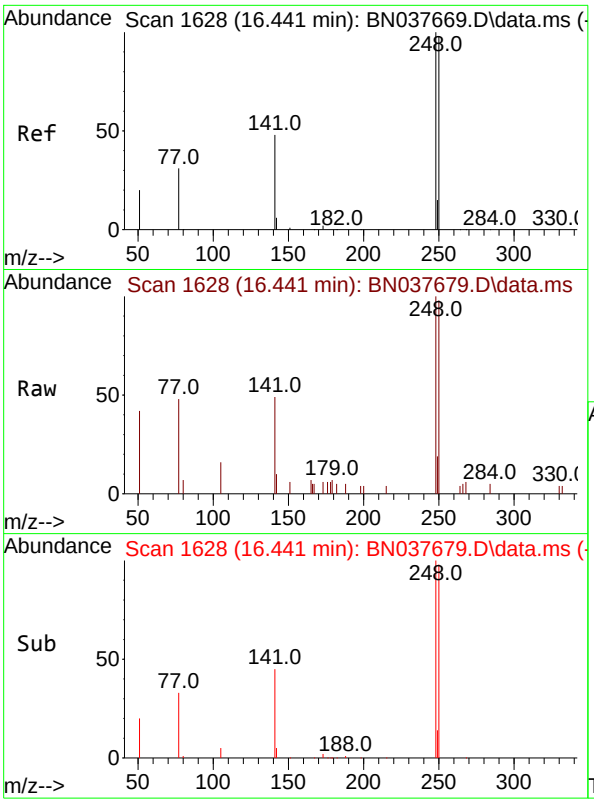


#20
4,6-Dinitro-2-methylphenol
Concen: 0.228 ng
RT: 15.609 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:198 Resp: 146

Ion	Ratio	Lower	Upper
198	100		
51	237.5	144.8	217.2#
105	130.0	110.7	166.1



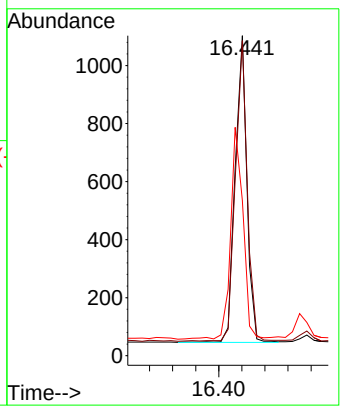


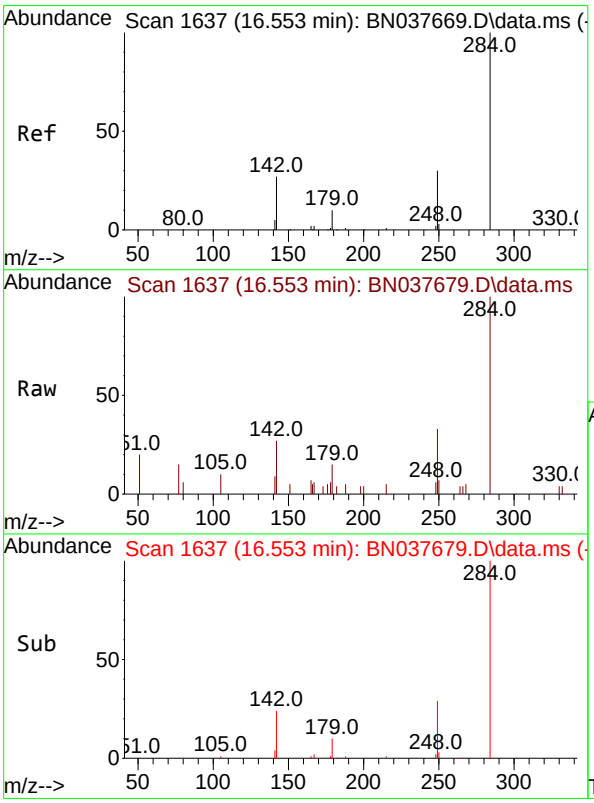
#21
4-Bromophenyl-phenylether
Concen: 0.198 ng
RT: 16.441 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 1490

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.7	118.1
141	48.5	40.2	60.4

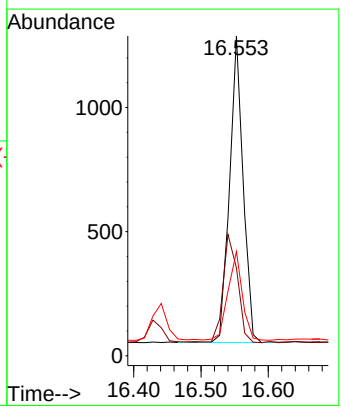


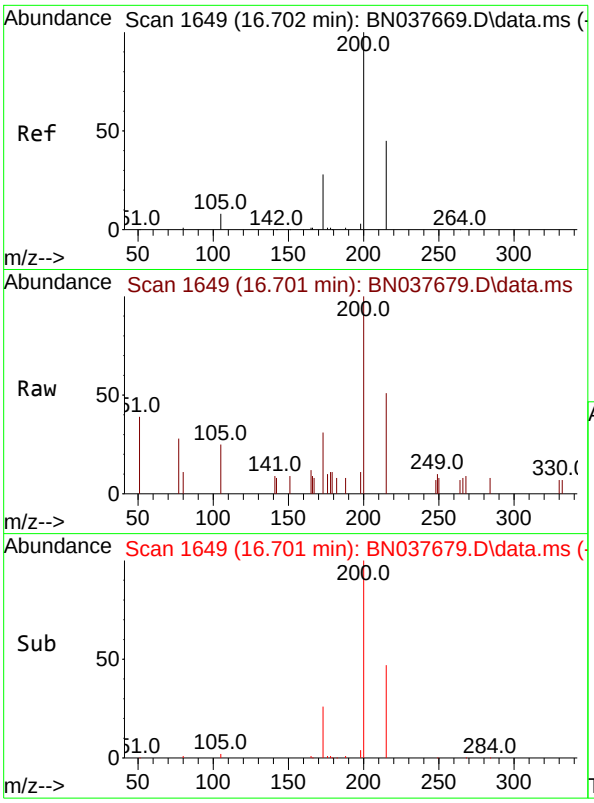


#22
Hexachlorobenzene
Concen: 0.216 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:284 Resp: 1722

Ion	Ratio	Lower	Upper
284	100		
142	37.7	29.4	44.2
249	30.5	24.4	36.6



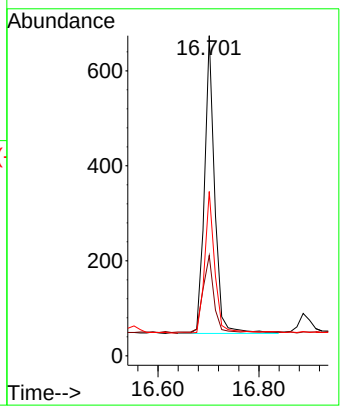


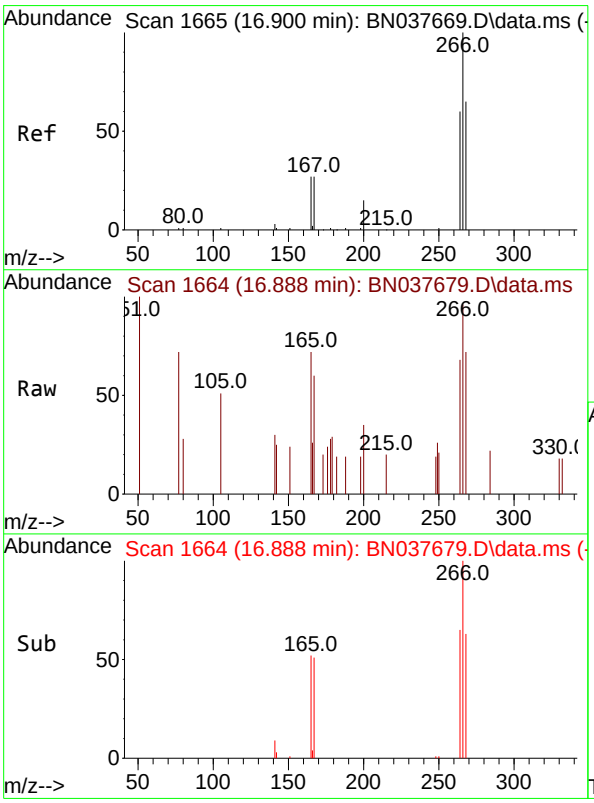
#23
Atrazine
Concen: 0.188 ng
RT: 16.701 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:200 Resp: 885

Ion	Ratio	Lower	Upper
200	100		
173	31.3	24.7	37.1
215	51.3	37.5	56.3

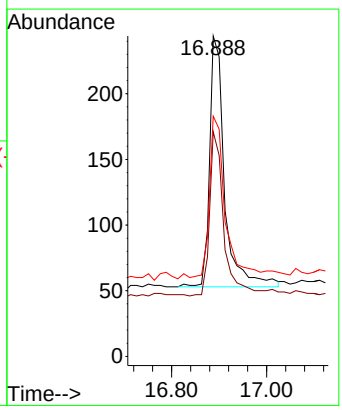


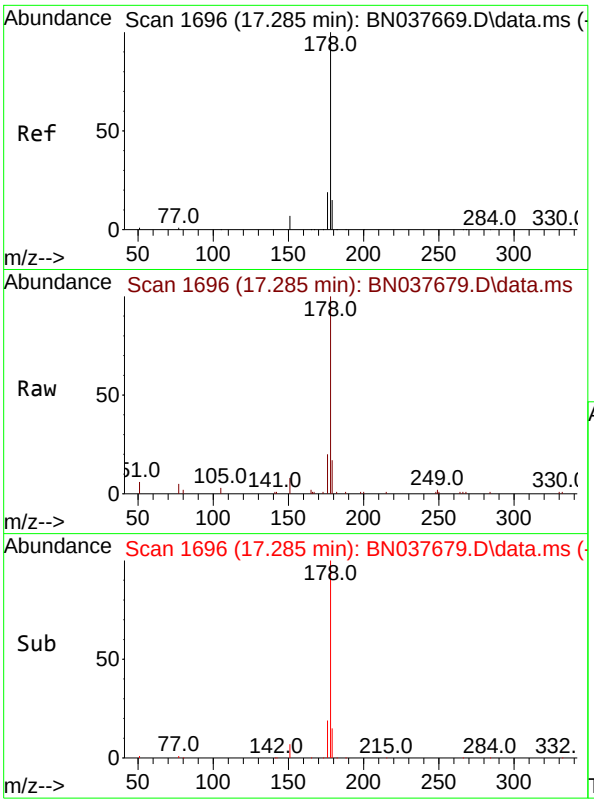


#24
Pentachlorophenol
Concen: 0.157 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.013 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:266 Resp: 419

Ion	Ratio	Lower	Upper
266	100		
264	61.8	49.7	74.5
268	69.2	48.7	73.1



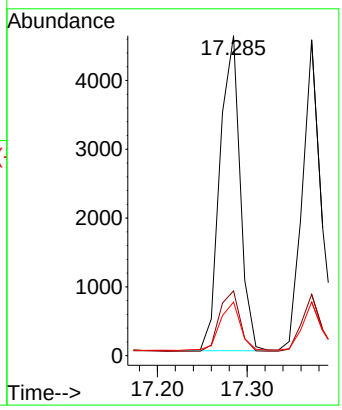


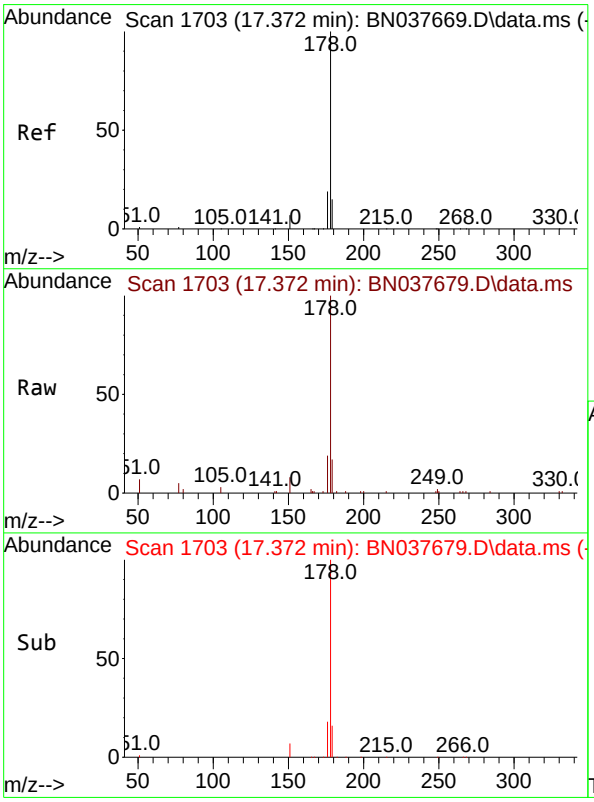
#25
Phenanthrene
Concen: 0.204 ng
RT: 17.285 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 7171

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.9	12.5	18.7

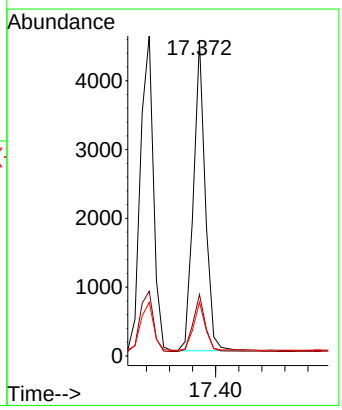


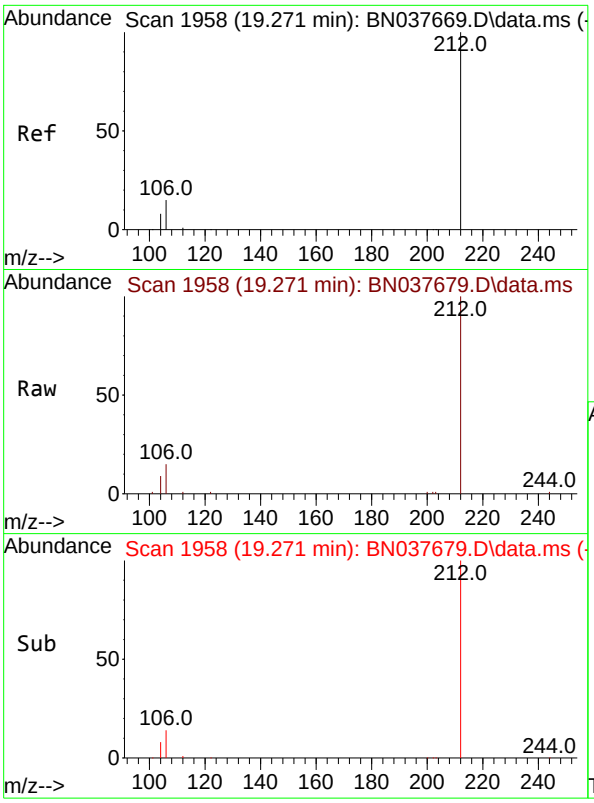


#26
Anthracene
Concen: 0.197 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:178 Resp: 6428

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.9	12.0	18.0



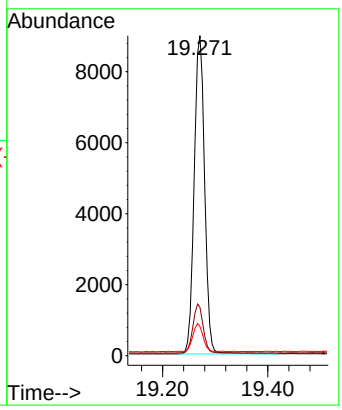


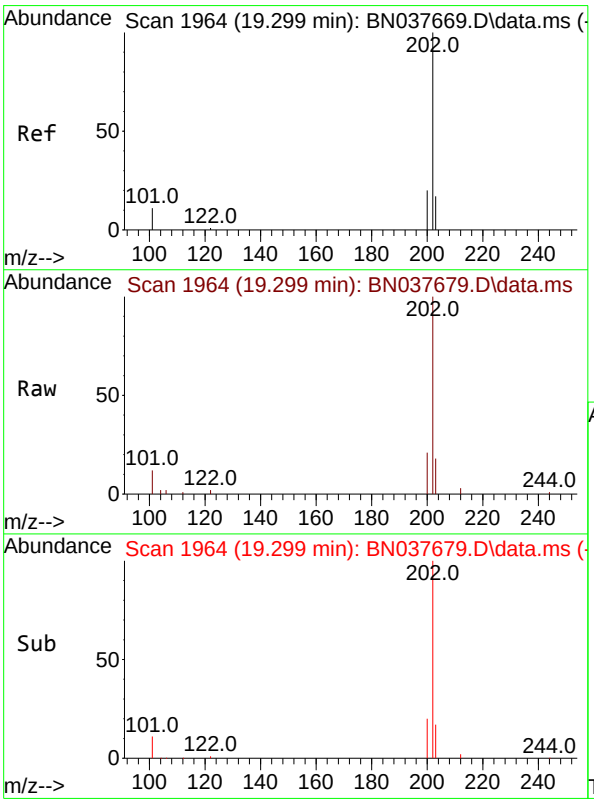
#27
Fluoranthene-d10
Concen: 0.416 ng
RT: 19.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 12350

Ion	Ratio	Lower	Upper
212	100		
106	15.1	11.8	17.6
104	8.5	6.6	10.0

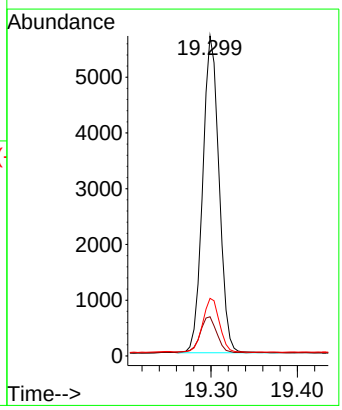


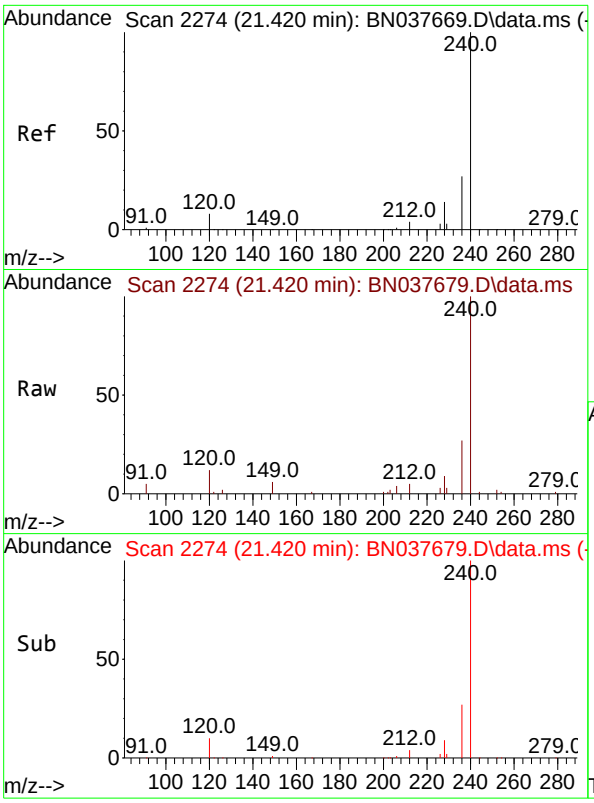


#28
Fluoranthene
Concen: 0.190 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:202 Resp: 7488

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.0	13.6
203	17.5	13.8	20.8



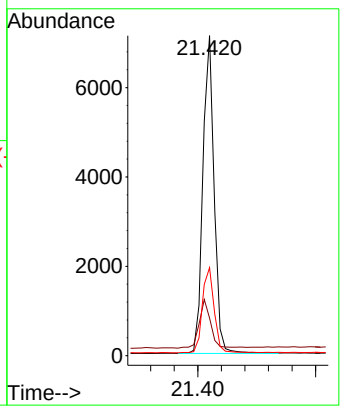


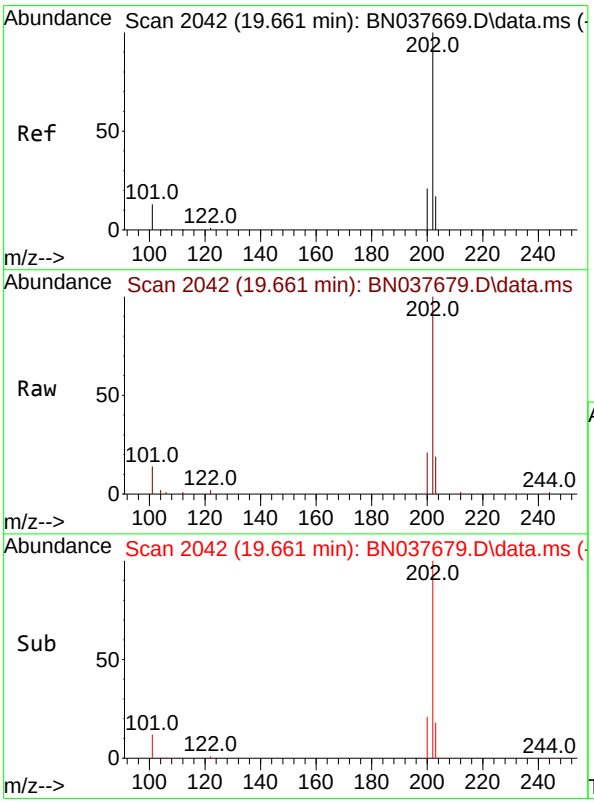
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 9415

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.5	12.7
236	27.5	22.5	33.7

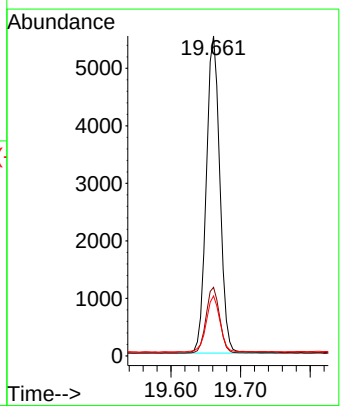


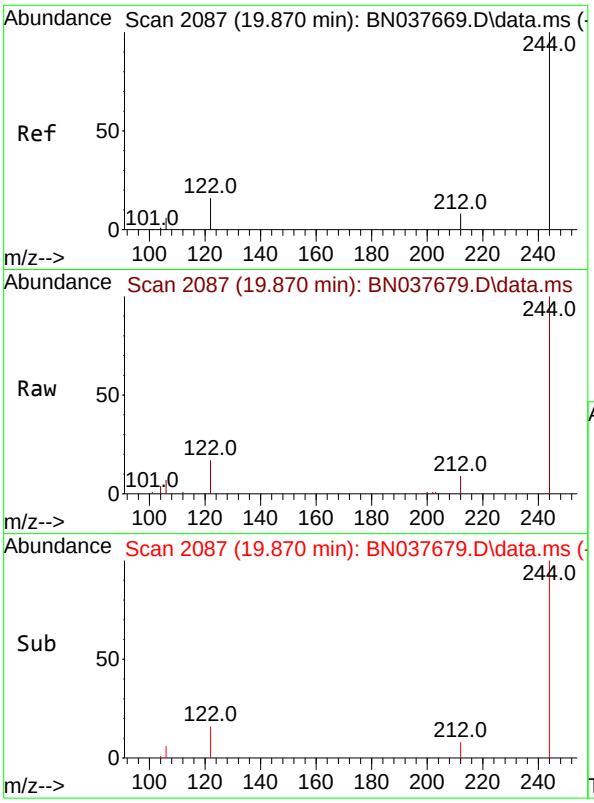


#30
Pyrene
Concen: 0.198 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:202 Resp: 7449

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.6	14.3	21.5



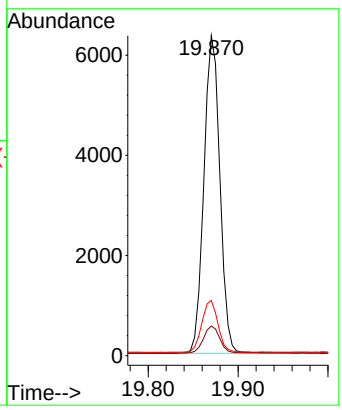


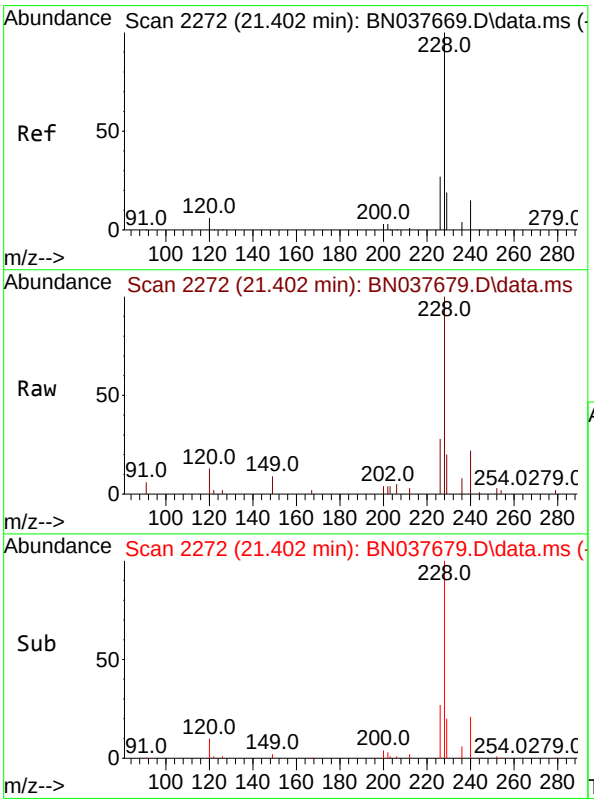
#31
Terphenyl-d14
Concen: 0.396 ng
RT: 19.870 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 7854

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.4
122	17.3	13.4	20.2

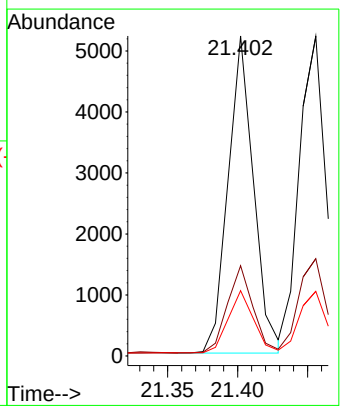


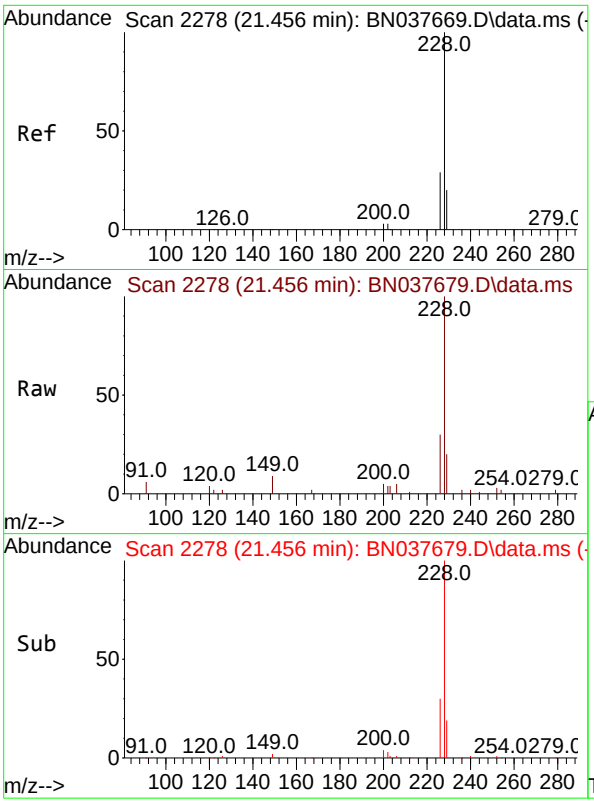


#32
Benzo(a)anthracene
Concen: 0.196 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:228 Resp: 6596

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.6
229	20.4	15.8	23.6



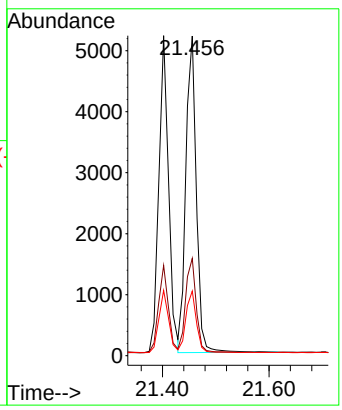


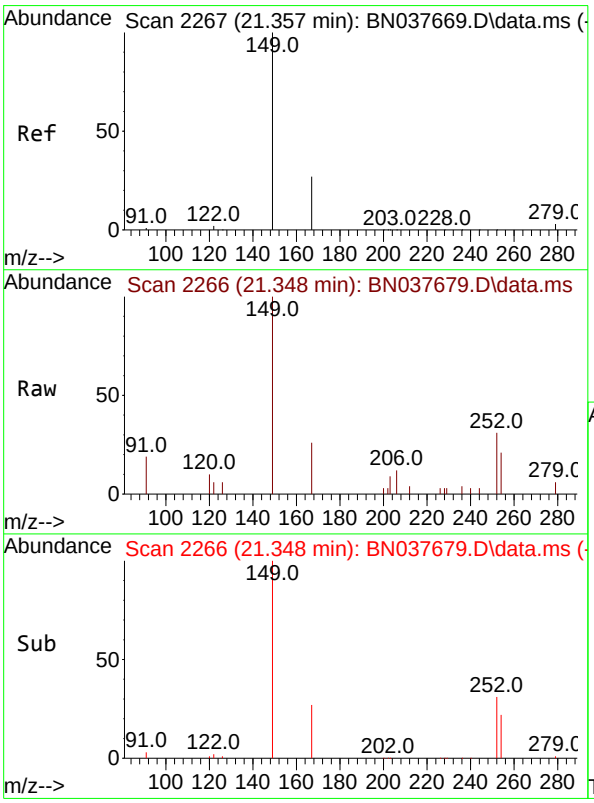
#33
Chrysene
Concen: 0.208 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 7086

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	20.2	16.1	24.1

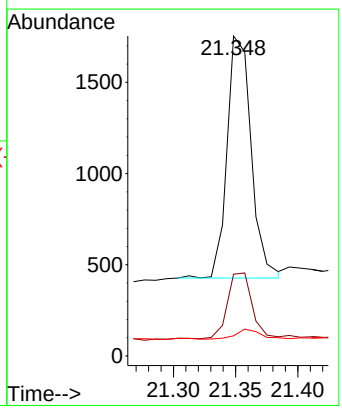


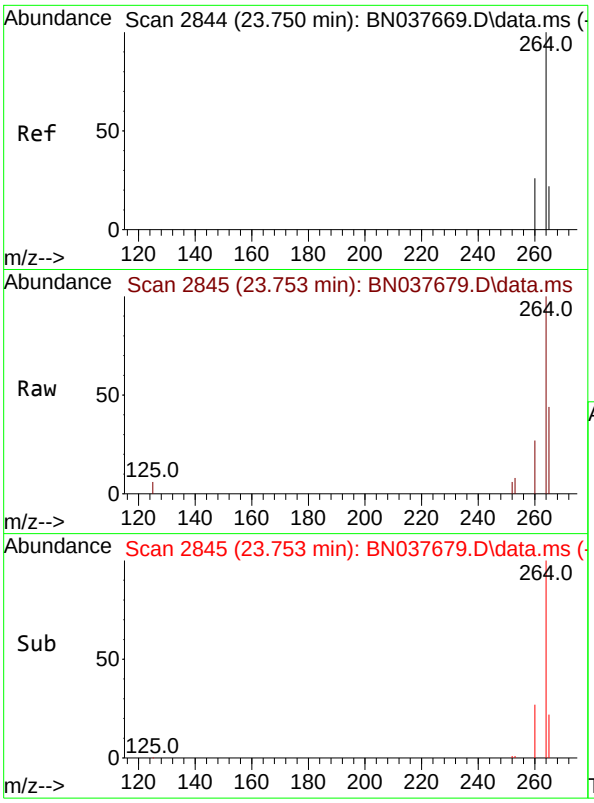


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.191 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:149 Resp: 1786

Ion	Ratio	Lower	Upper
149	100		
167	28.4	21.4	32.0
279	4.2	2.6	3.8#



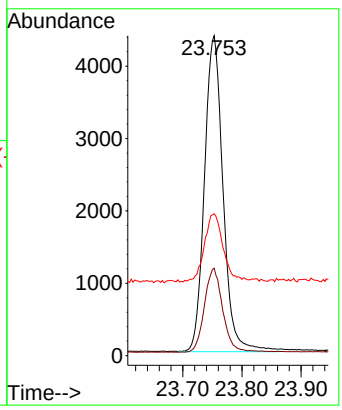


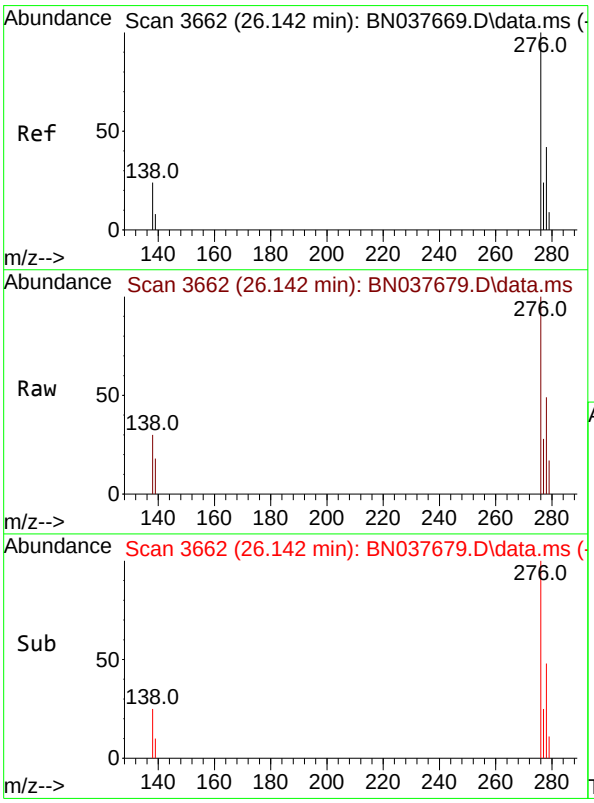
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 9531

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.2	31.8
265	44.3	28.2	42.4#

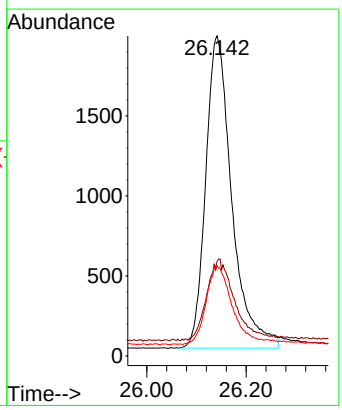


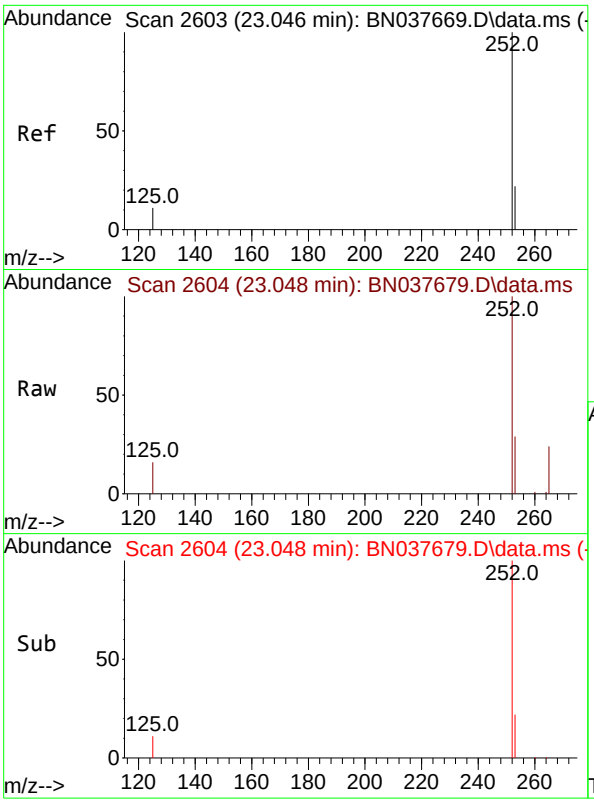


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.197 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:276 Resp: 7130

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.3	31.9
277	25.0	20.1	30.1



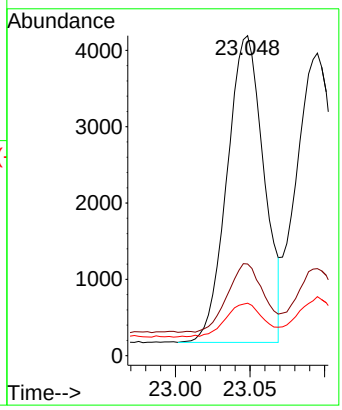


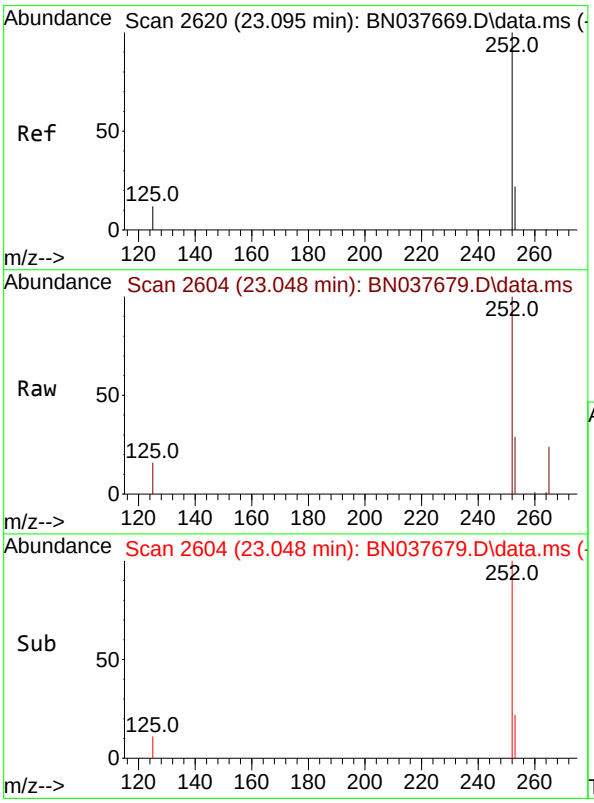
#37
Benzo(b)fluoranthene
Concen: 0.196 ng
RT: 23.048 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 6890

Ion	Ratio	Lower	Upper
252	100		
253	28.7	19.7	29.5
125	16.4	10.2	15.2#

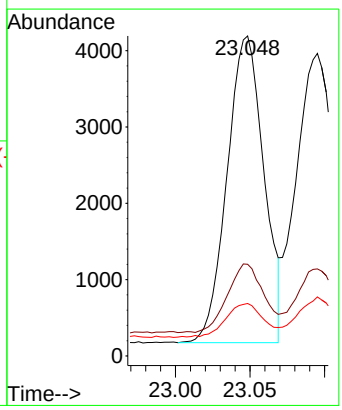


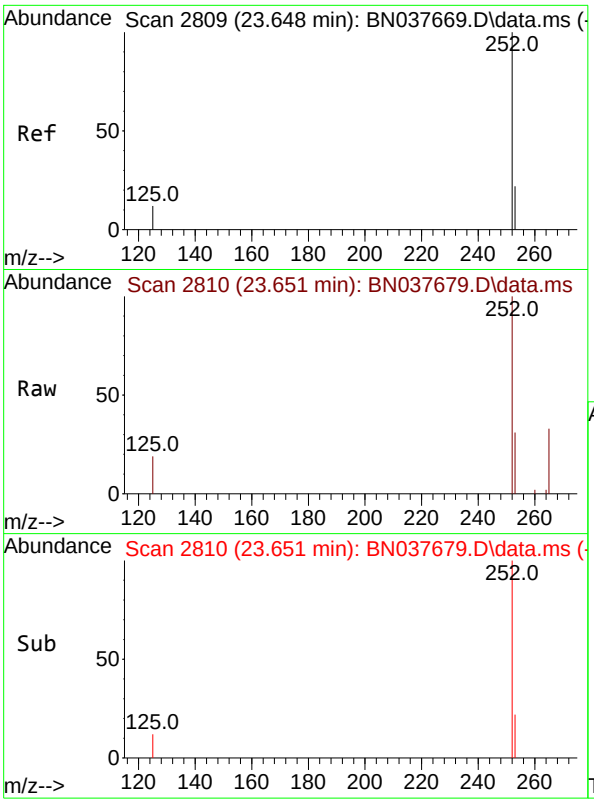


#38
Benzo(k)fluoranthene
Concen: 0.199 ng
RT: 23.048 min Scan# 2604
Delta R.T. -0.047 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:252 Resp: 6890

Ion	Ratio	Lower	Upper
252	100		
253	28.7	19.9	29.9
125	16.4	11.4	17.0



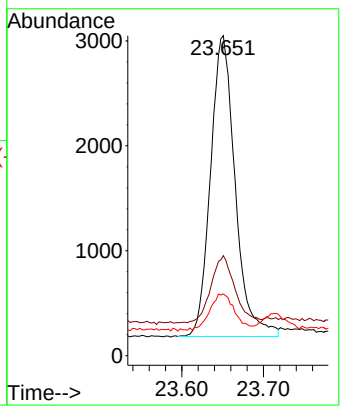


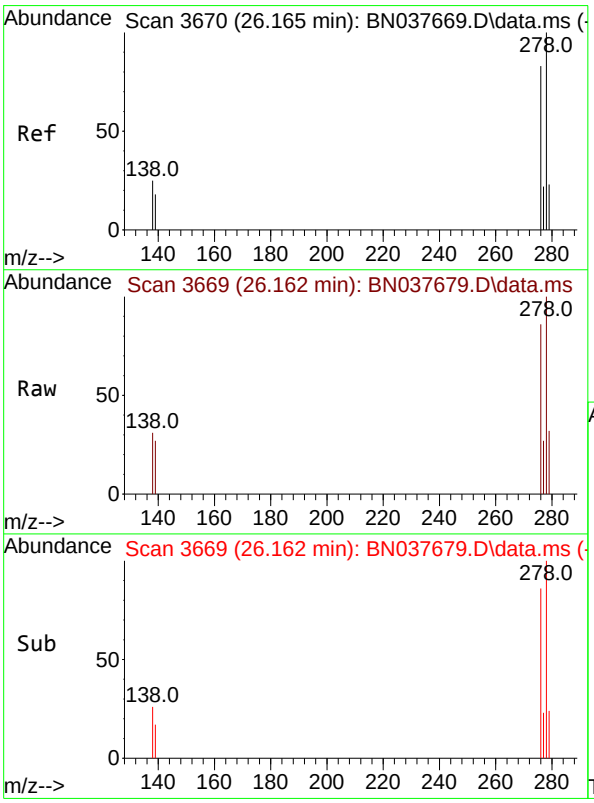
#39
Benzo(a)pyrene
Concen: 0.205 ng
RT: 23.651 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 6006

Ion	Ratio	Lower	Upper
252	100		
253	31.2	20.7	31.1#
125	19.3	11.9	17.9#

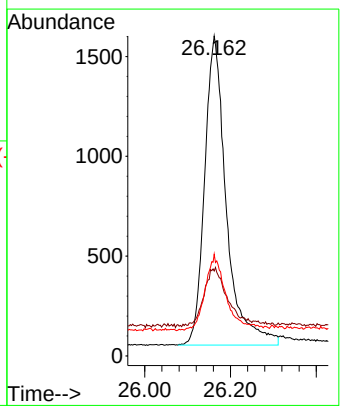


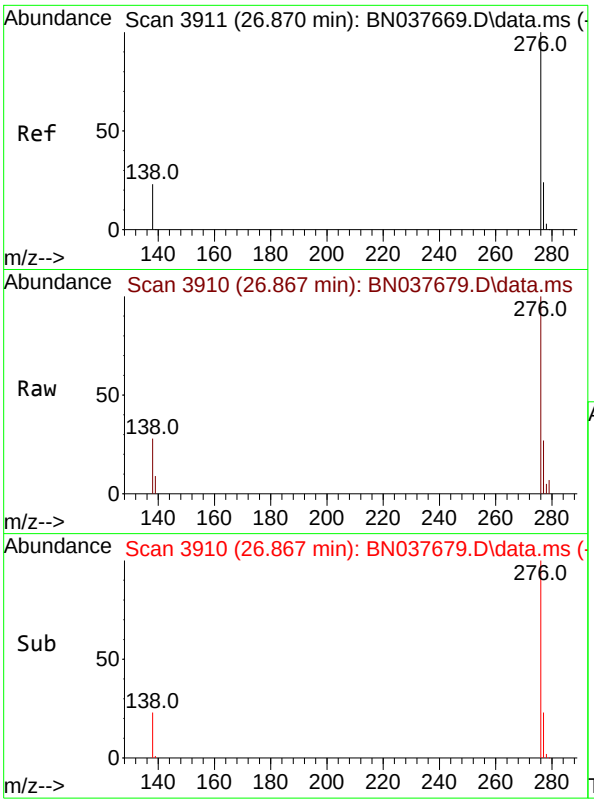


#40
Dibenzo(a,h)anthracene
Concen: 0.200 ng
RT: 26.162 min Scan# 3669
Delta R.T. -0.003 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:278 Resp: 5444

Ion	Ratio	Lower	Upper
278	100		
139	26.6	19.1	28.7
279	31.8	20.9	31.3#





#41
Benzo(g,h,i)perylene
Concen: 0.202 ng
RT: 26.867 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 6612

Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.9	29.9
138	27.6	20.5	30.7