Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100725\
Data File : BN038062.D
Acq On : 08 Oct 2025 01:30
Operator : RC/JU
Sample : PB169992BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Quant Time: Oct 11 03:10:35 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	7.804	152	7935	0.400	ng	-0.02
7) Naphthalene-d8	10.605	136	21113	0.400	ng	-0.02
13) Acenaphthene-d10	14.452	164	9467	0.400	ng	-0.02
19) Phenanthrene-d10	17.198	188	14822	0.400	ng	#-0.02
29) Chrysene-d12	21.384	240	8116	0.400	ng	-0.02
35) Perylene-d12	23.703	264	8137	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	6477	0.358	ng	-0.01
5) Phenol-d6	6.959	99	7883	0.331	ng	-0.01
8) Nitrobenzene-d5	8.950	82	6788	0.422	ng	-0.02
11) 2-Methylnaphthalene-d10	12.197	152	10250	0.350	ng	-0.02
14) 2,4,6-Tribromophenol	15.944	330	848	0.236	ng	-0.02
15) 2-Fluorobiphenyl	13.073	172	17046	0.440	ng	-0.02
27) Fluoranthene-d10	19.234	212	9888	0.265	ng	-0.02
31) Terphenyl-d14	19.833	244	7489	0.463	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2789	0.346	ng	# 70
3) n-Nitrosodimethylamine	3.593	42	4134	0.386	ng	# 92
6) bis(2-Chloroethyl)ether	7.219	93	8289	0.375	ng	97
9) Naphthalene	10.648	128	21295	0.366	ng	99
10) Hexachlorobutadiene	10.946	225	3813	0.384	ng	# 100
12) 2-Methylnaphthalene	12.273	142	11781	0.310	ng	99
16) Acenaphthylene	14.174	152	17225	0.401	ng	100
17) Acenaphthene	14.516	154	10551	0.345	ng	97
18) Fluorene	15.499	166	11426	0.308	ng	97
20) 4,6-Dinitro-2-methylph...	15.584	198	402	0.282	ng	# 37
21) 4-Bromophenyl-phenylether	16.404	248	3700	0.383	ng	# 84
22) Hexachlorobenzene	16.515	284	4855	0.415	ng	99
23) Atrazine	16.664	200	2000	0.272	ng	# 92
24) Pentachlorophenol	16.863	266	1551	0.386	ng	97
25) Phenanthrene	17.248	178	17617	0.361	ng	100
26) Anthracene	17.335	178	15152	0.358	ng	99
28) Fluoranthene	19.266	202	14111	0.263	ng	99
30) Pyrene	19.629	202	13787	0.430	ng	100
32) Benzo(a)anthracene	21.366	228	10601	0.374	ng	100
33) Chrysene	21.420	228	11859	0.387	ng	100
34) Bis(2-ethylhexyl)phtha...	21.304	149	3906	0.348	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.063	276	16983	0.457	ng	97
37) Benzo(b)fluoranthene	22.999	252	12697	0.362	ng	# 91
38) Benzo(k)fluoranthene	23.046	252	12273	0.348	ng	# 90
39) Benzo(a)pyrene	23.598	252	10797	0.389	ng	# 88
40) Dibenzo(a,h)anthracene	26.077	278	13201	0.455	ng	96
41) Benzo(g,h,i)perylene	26.782	276	14778	0.485	ng	98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100725\
Data File : BN038062.D
Acq On : 08 Oct 2025 01:30
Operator : RC/JU
Sample : PB169992BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Quant Time: Oct 11 03:10:35 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
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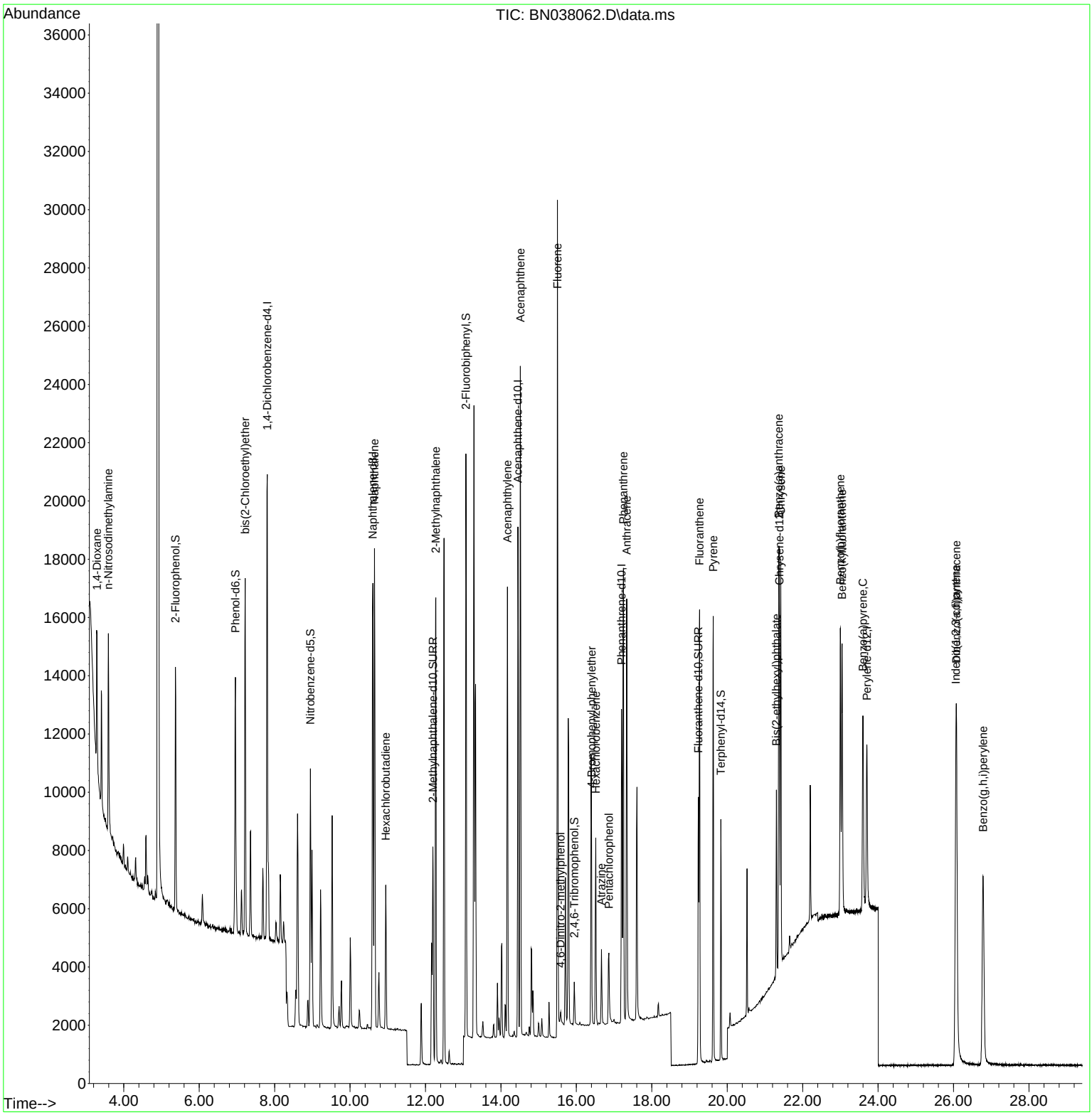
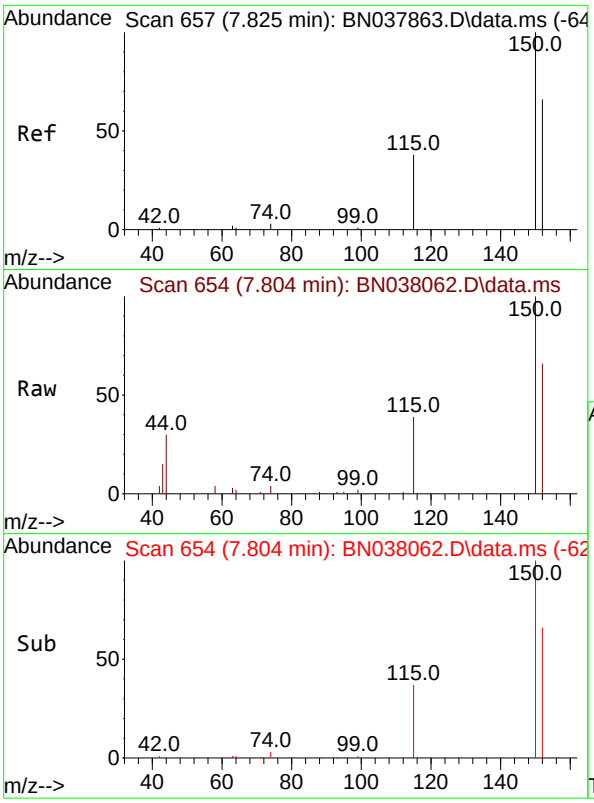


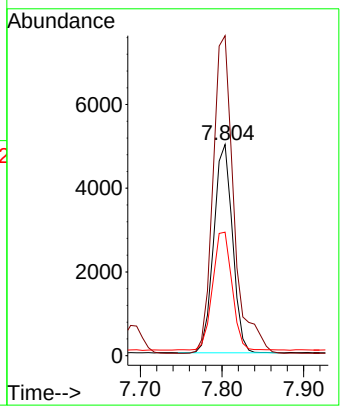


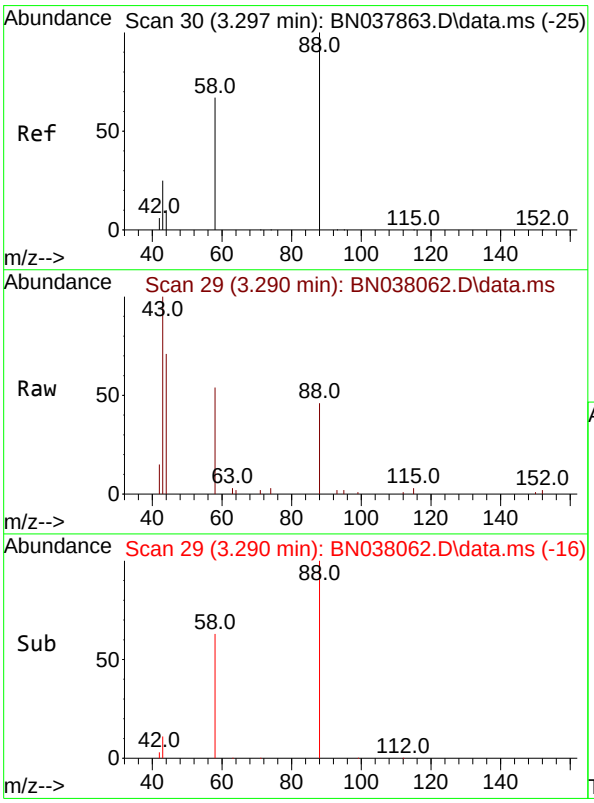
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 6
Delta R.T. -0.021 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:152 Resp: 7935

Ion	Ratio	Lower	Upper
152	100		
150	151.5	121.0	181.4
115	58.4	47.4	71.0

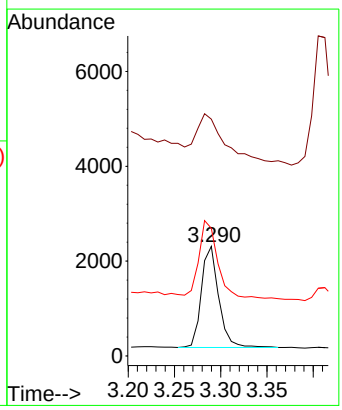


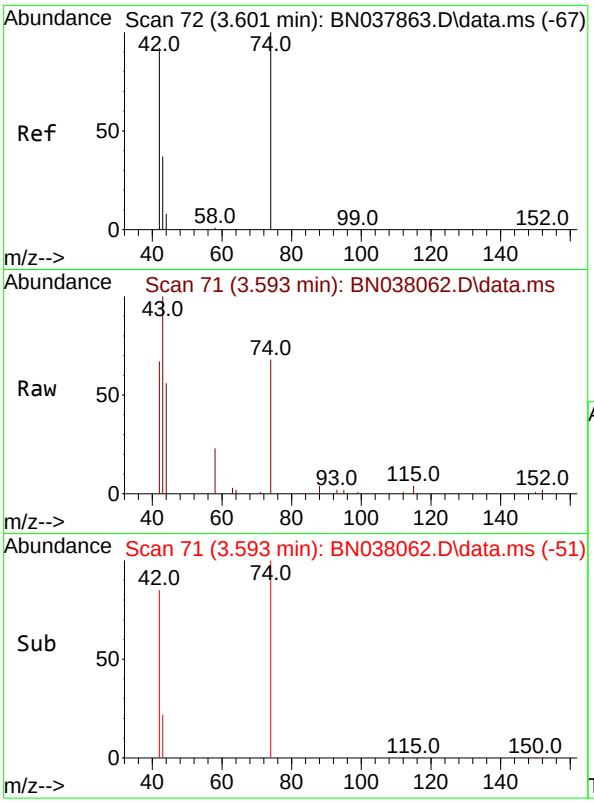


#2
1,4-Dioxane
Concen: 0.346 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion: 88 Resp: 2789

Ion	Ratio	Lower	Upper
88	100		
43	73.3	26.6	39.8#
58	83.6	58.9	88.3



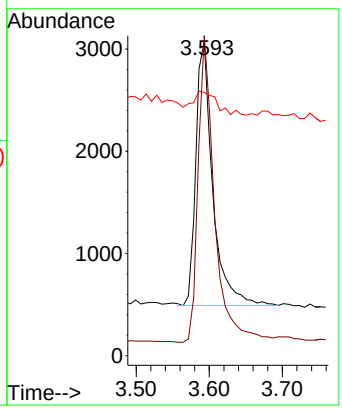


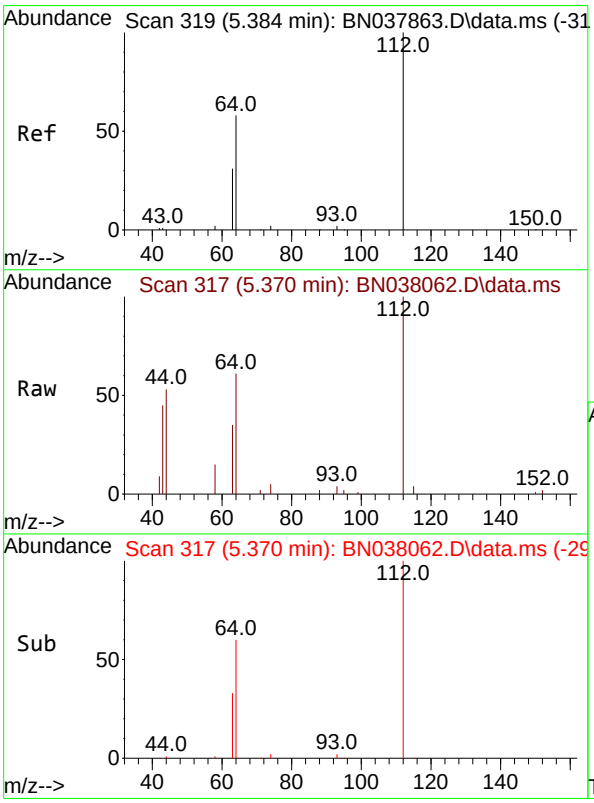
#3
n-Nitrosodimethylamine
Concen: 0.386 ng
RT: 3.593 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion: 42 Resp: 4134

Ion	Ratio	Lower	Upper
42	100		
74	112.9	93.4	140.0
44	13.0	22.2	33.4#

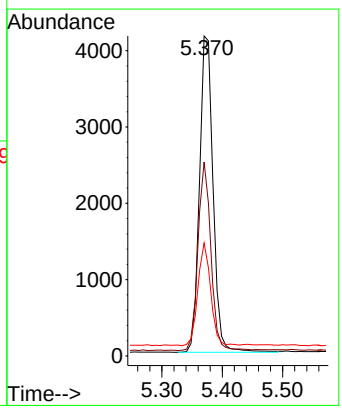


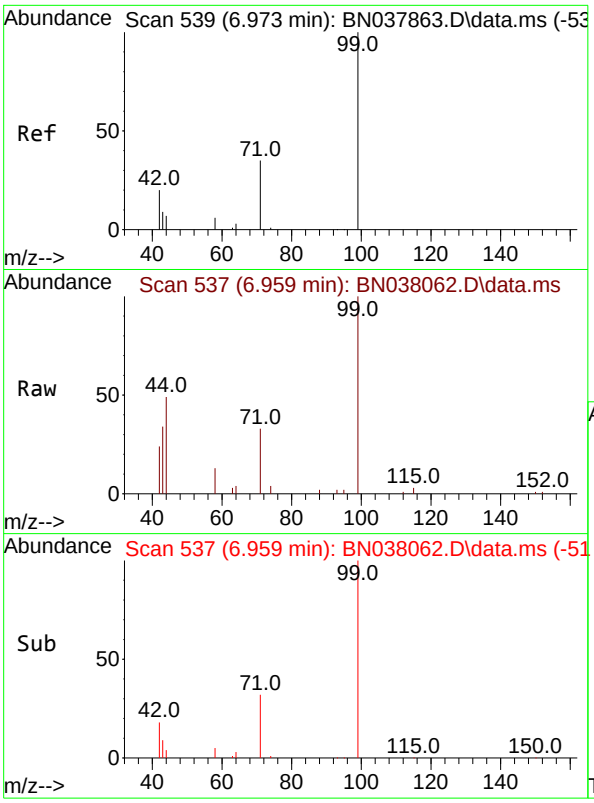


#4
2-Fluorophenol
Concen: 0.358 ng
RT: 5.370 min Scan# 317
Delta R.T. -0.015 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:112 Resp: 6477

Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.6	66.8
63	30.5	24.9	37.3



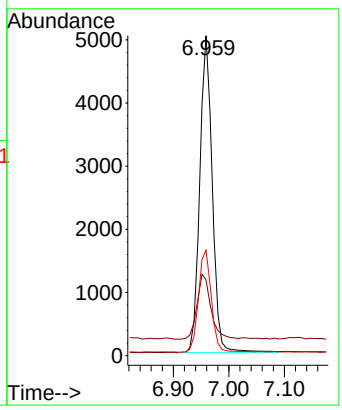


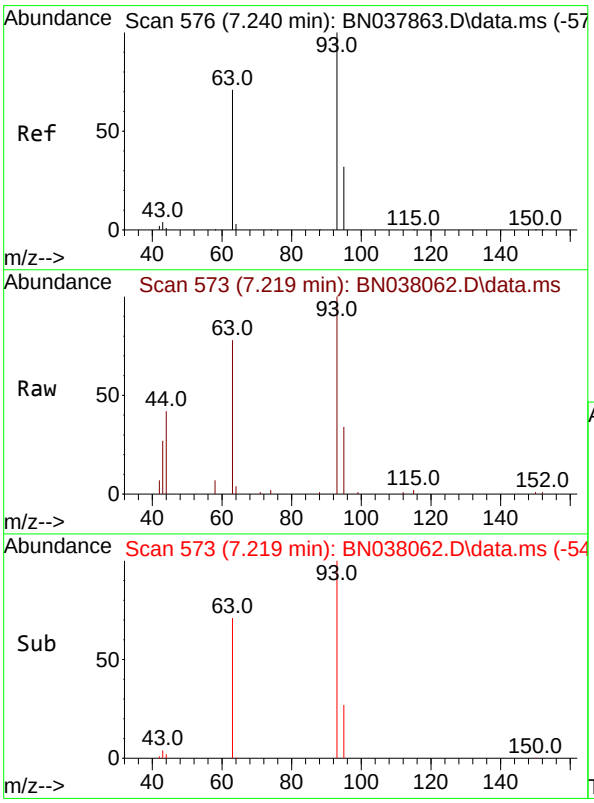
#5
Phenol-d6
Concen: 0.331 ng
RT: 6.959 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion: 99 Resp: 7883

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.2	25.8
71	32.9	27.3	40.9

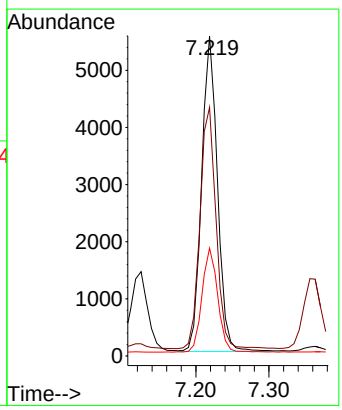


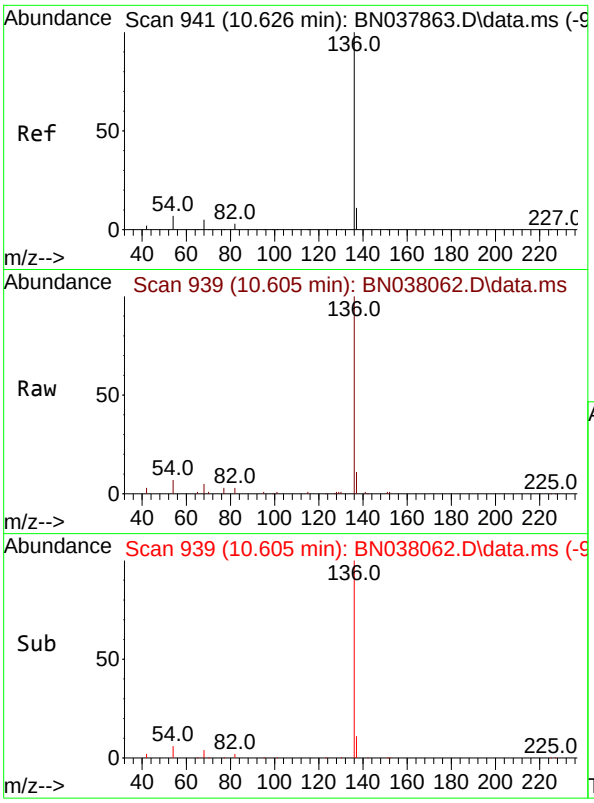


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 7.219 min Scan# 573
Delta R.T. -0.022 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion: 93 Resp: 8289

Ion	Ratio	Lower	Upper
93	100		
63	77.6	60.1	90.1
95	32.7	25.4	38.2



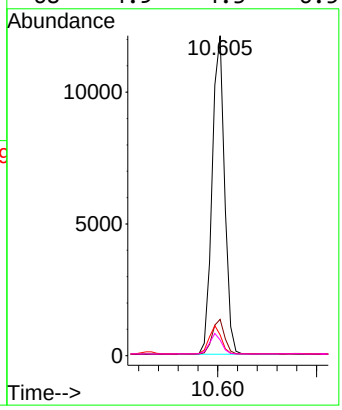


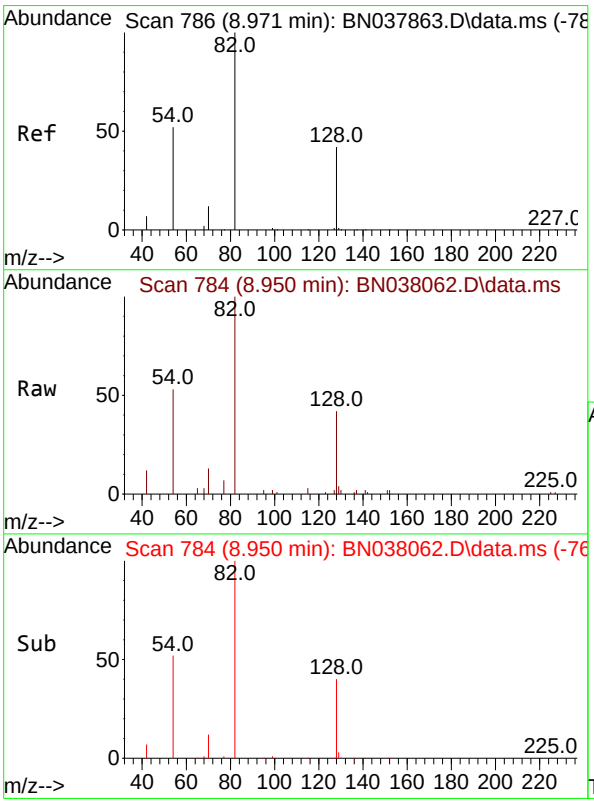
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:136 Resp: 21113

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.5	5.8	8.8
68	4.9	4.3	6.5

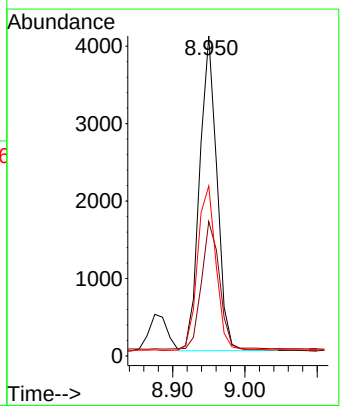


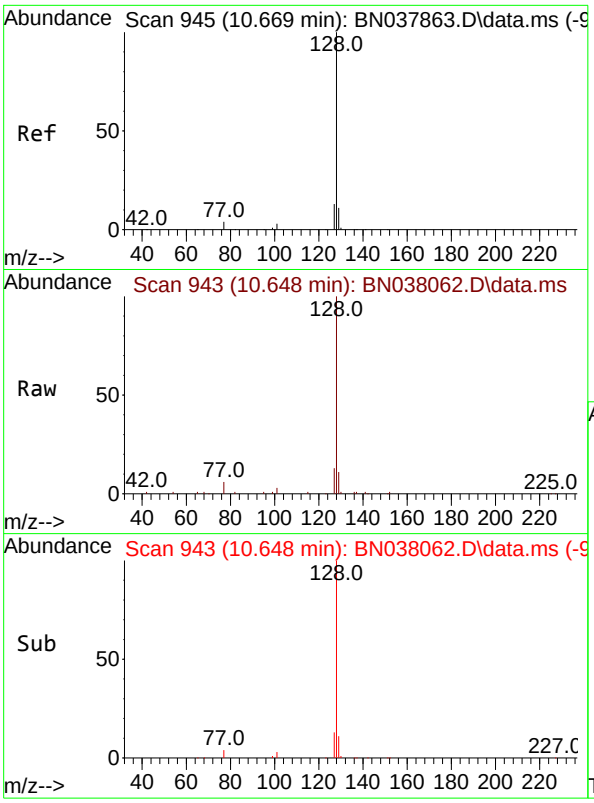


#8
Nitrobenzene-d5
Concen: 0.422 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.021 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion: 82 Resp: 6788

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.8	52.2
54	53.1	42.2	63.2



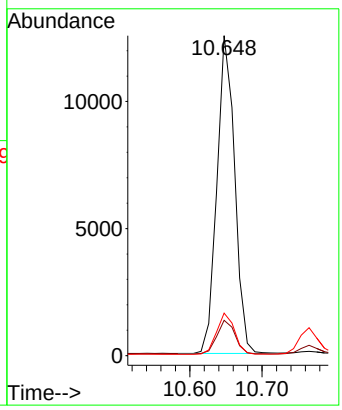


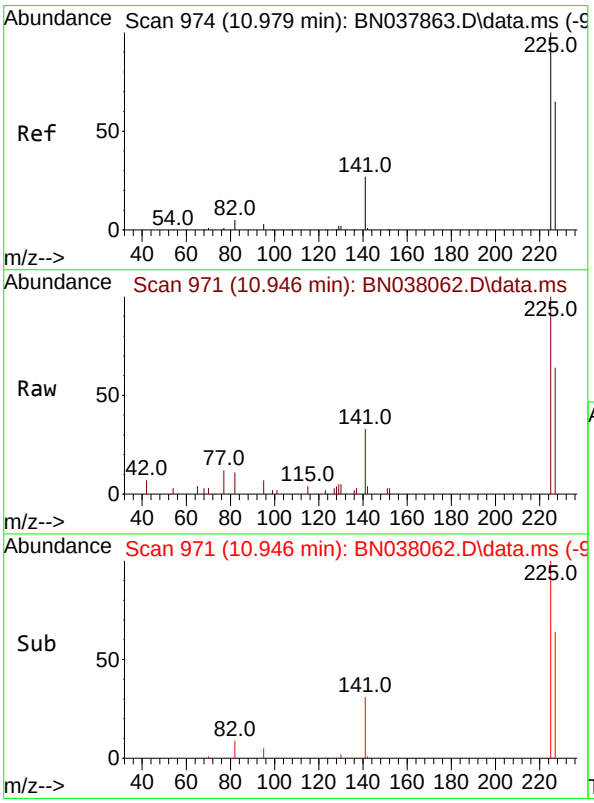
#9
Naphthalene
Concen: 0.366 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.021 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:128 Resp: 21295

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.3	11.0	16.6

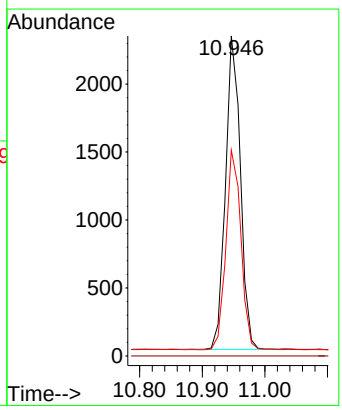


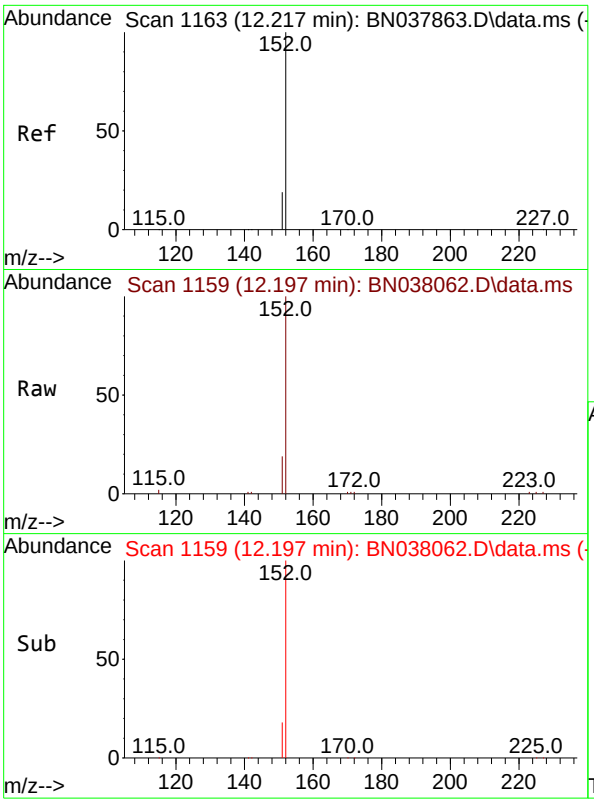


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.946 min Scan# 971
Delta R.T. -0.032 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:225 Resp: 3813

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.4	77.2



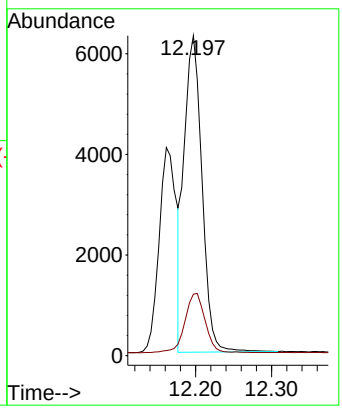


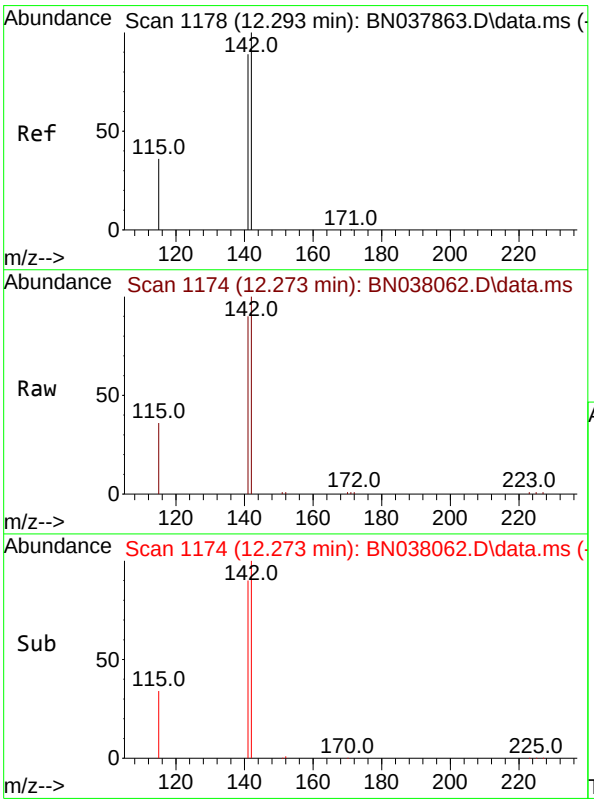
#11
2-Methylnaphthalene-d10
Concen: 0.350 ng
RT: 12.197 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:152 Resp: 10250

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.4	26.2

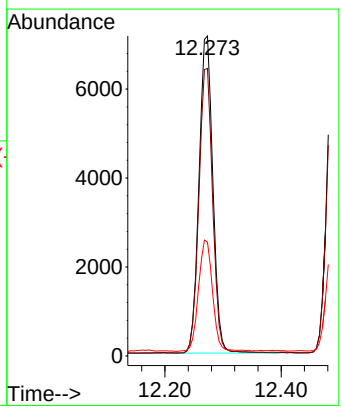


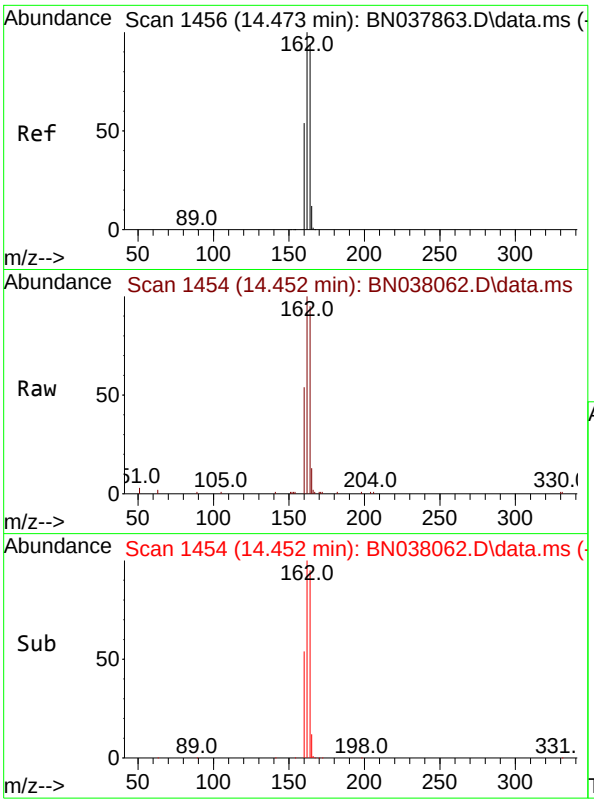


#12
2-Methylnaphthalene
Concen: 0.310 ng
RT: 12.273 min Scan# 1174
Delta R.T. -0.020 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:142 Resp: 11781

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	35.6	29.7	44.5



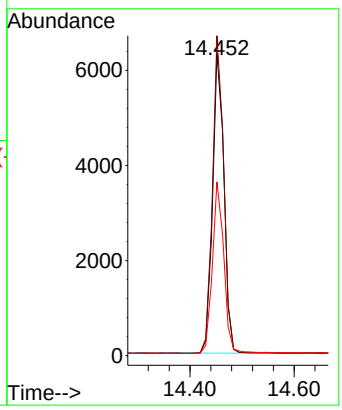


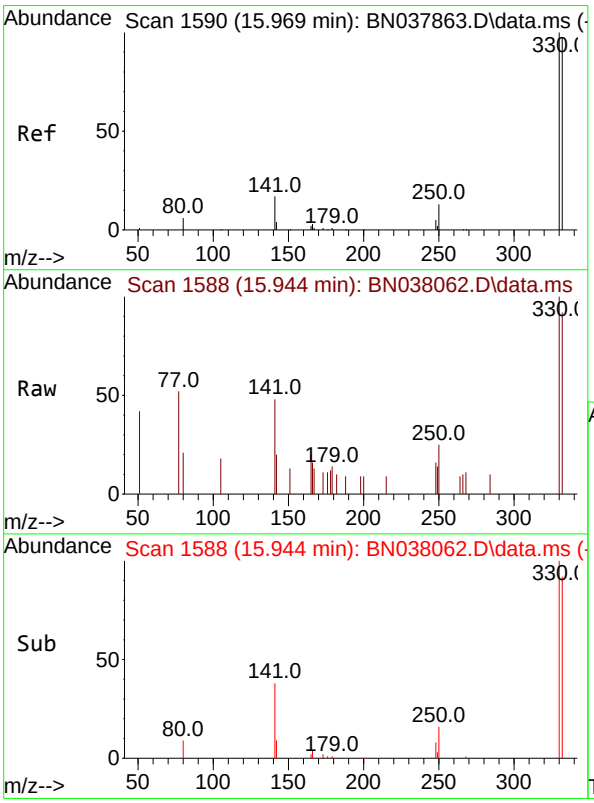
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.452 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:164 Resp: 9467

Ion	Ratio	Lower	Upper
164	100		
162	105.7	84.8	127.2
160	57.4	46.1	69.1

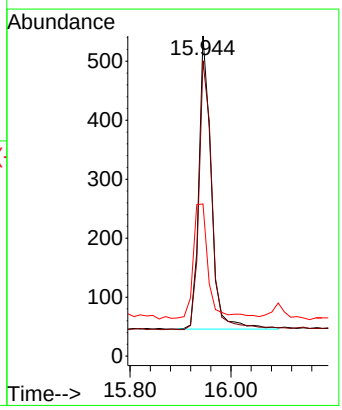


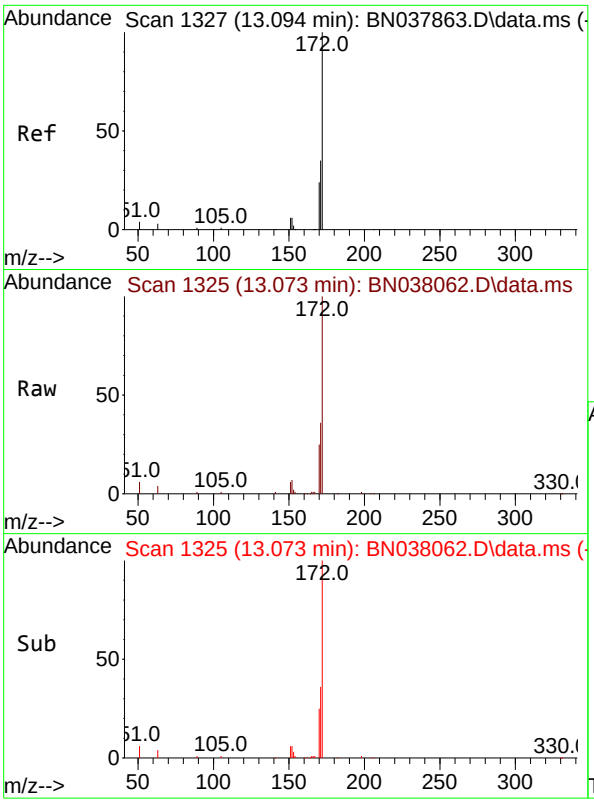


#14
2,4,6-Tribromophenol
Concen: 0.236 ng
RT: 15.944 min Scan# 1588
Delta R.T. -0.025 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:330 Resp: 848

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.2	115.8
141	47.6	37.2	55.8



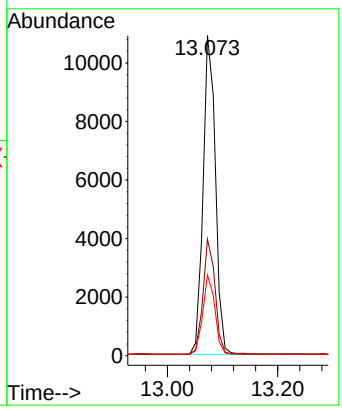


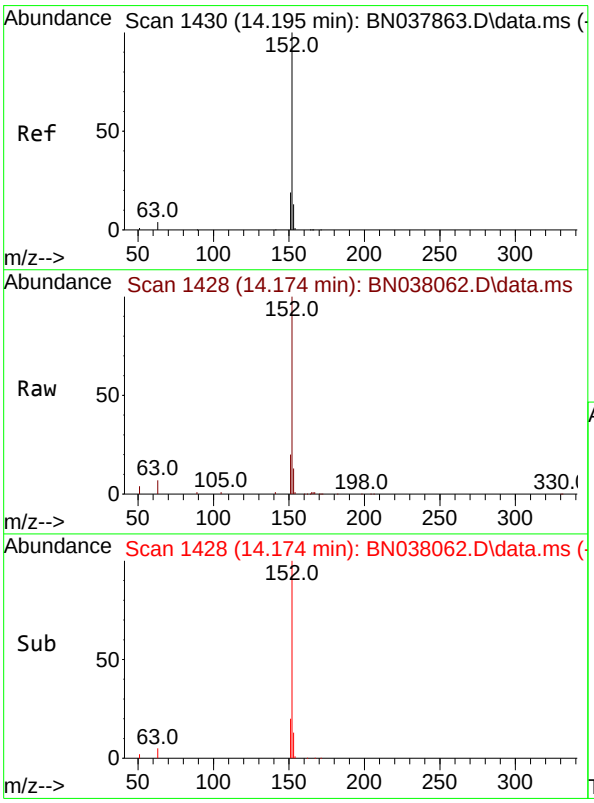
#15
2-Fluorobiphenyl
Concen: 0.440 ng
RT: 13.073 min Scan# 1
Delta R.T. -0.021 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:172 Resp: 17046

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	25.3	19.7	29.5

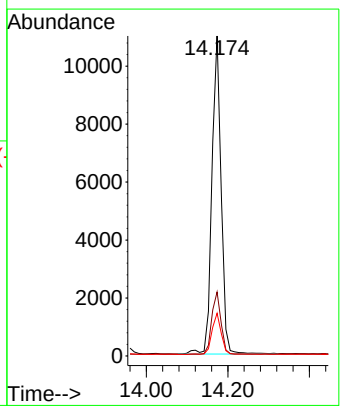


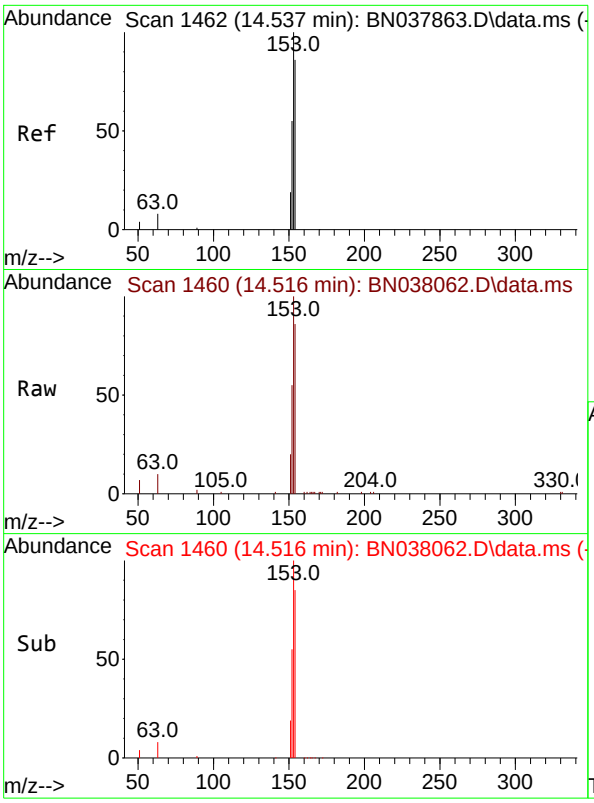


#16
Acenaphthylene
Concen: 0.401 ng
RT: 14.174 min Scan# 1428
Delta R.T. -0.021 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:152 Resp: 17225

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.0	10.5	15.7



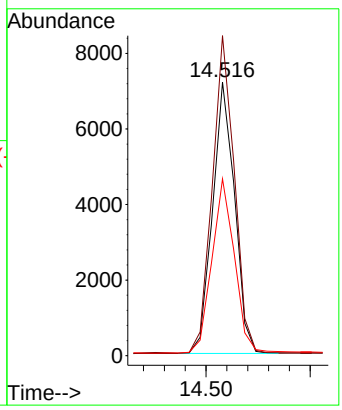


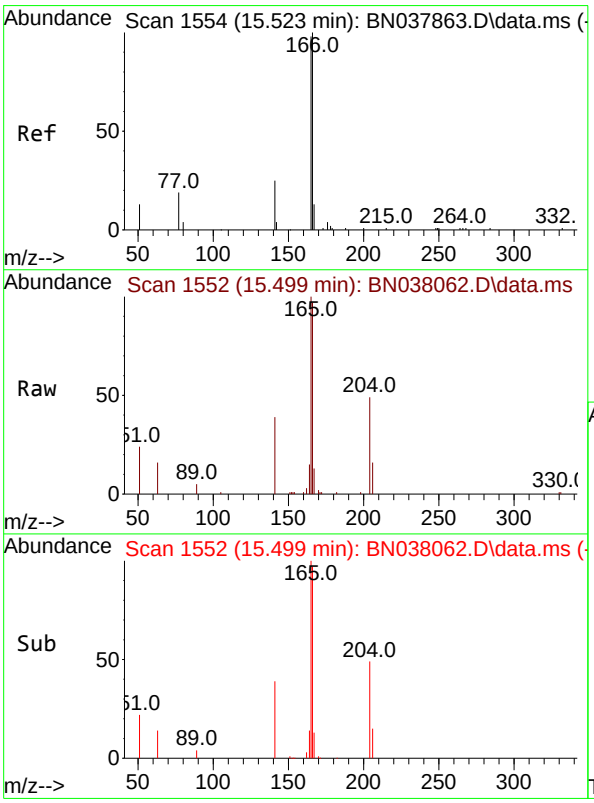
#17
Acenaphthene
Concen: 0.345 ng
RT: 14.516 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:154 Resp: 10551

Ion	Ratio	Lower	Upper
154	100		
153	117.6	90.5	135.7
152	66.4	51.8	77.8

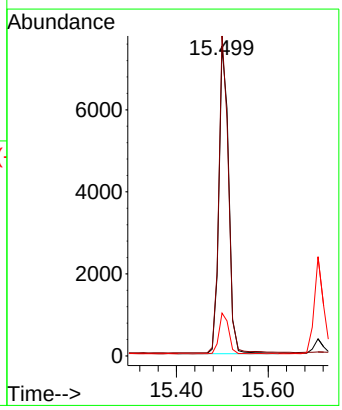


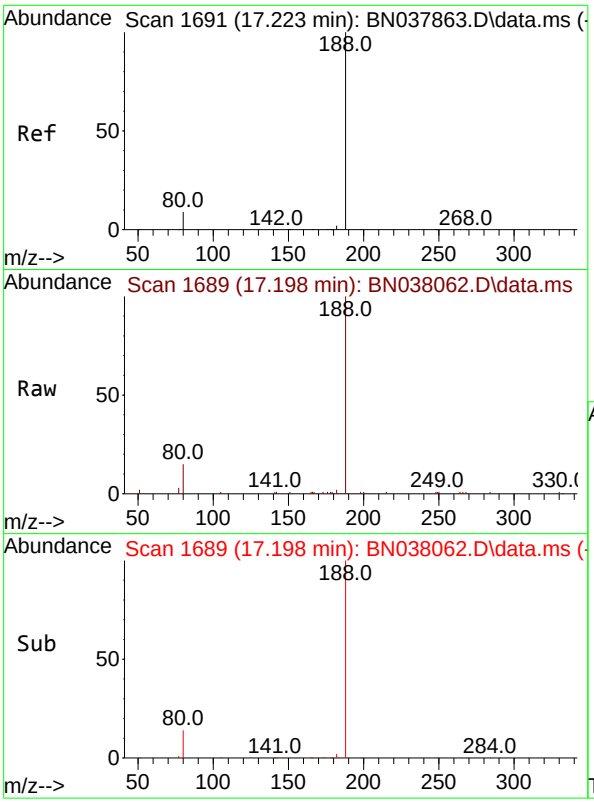


#18
Fluorene
Concen: 0.308 ng
RT: 15.499 min Scan# 1552
Delta R.T. -0.023 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:166 Resp: 11426

Ion	Ratio	Lower	Upper
166	100		
165	102.0	79.0	118.4
167	13.0	10.6	16.0



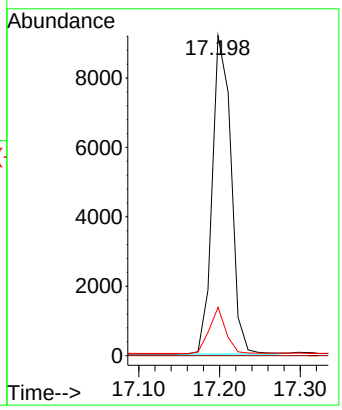


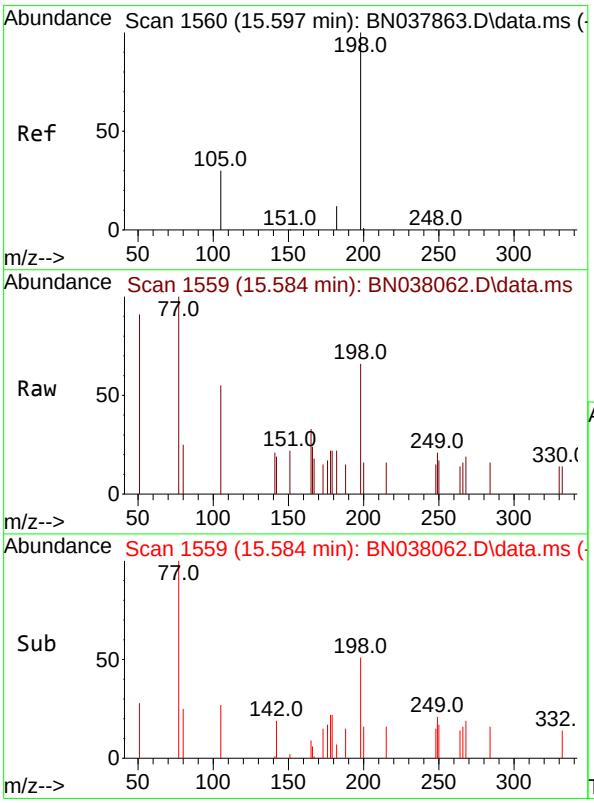
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:188 Resp: 14822

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.1	7.6	11.4#

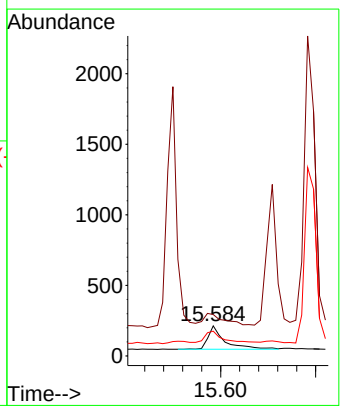


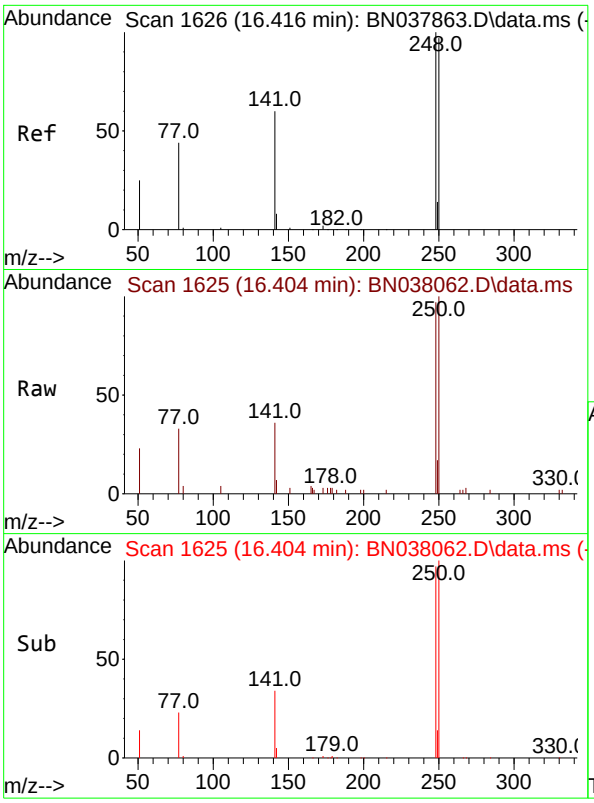


#20
4,6-Dinitro-2-methylphenol
Concen: 0.282 ng
RT: 15.584 min Scan# 1559
Delta R.T. -0.013 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:198 Resp: 402

Ion	Ratio	Lower	Upper
198	100		
51	138.0	59.1	88.7#
105	82.6	41.3	61.9#



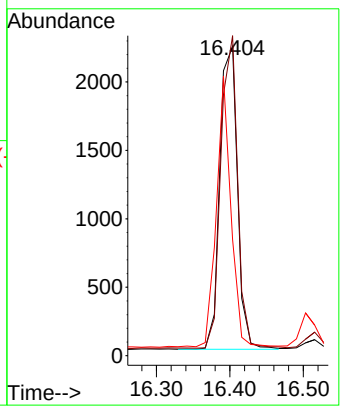


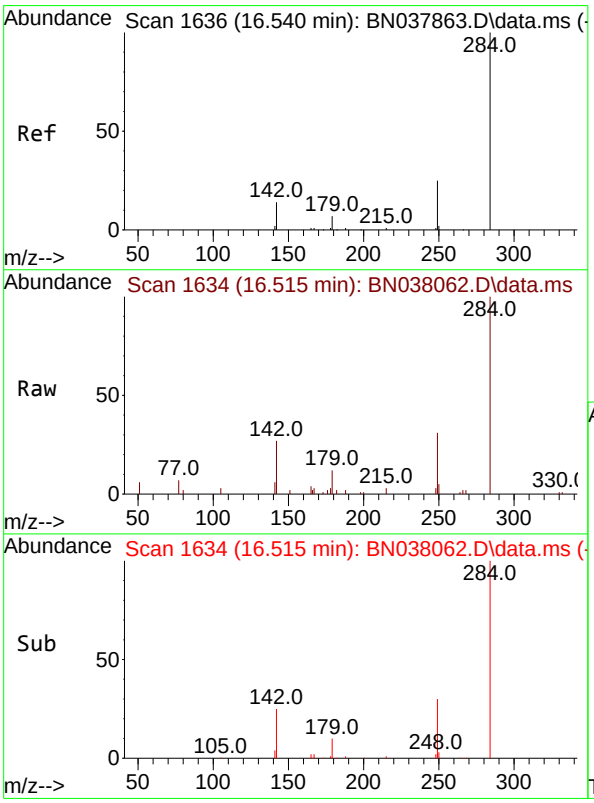
#21
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.404 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:248 Resp: 3700

Ion	Ratio	Lower	Upper
248	100		
250	103.5	77.6	116.4
141	37.5	48.8	73.2#

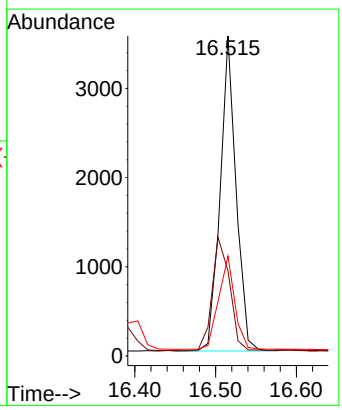


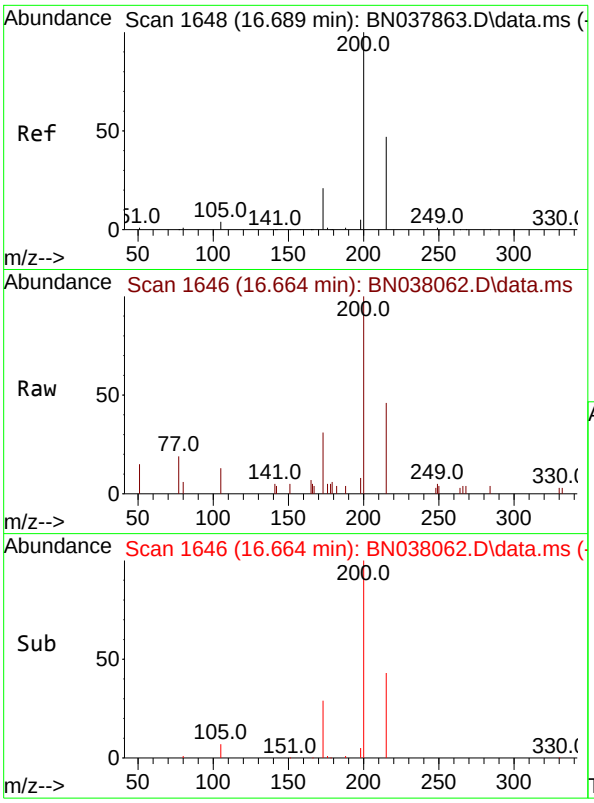


#22
Hexachlorobenzene
Concen: 0.415 ng
RT: 16.515 min Scan# 1634
Delta R.T. -0.025 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:284 Resp: 4855

Ion	Ratio	Lower	Upper
284	100		
142	39.4	30.9	46.3
249	30.7	23.9	35.9



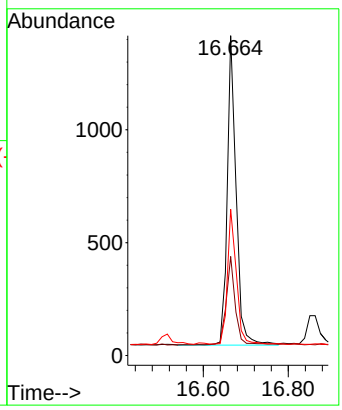


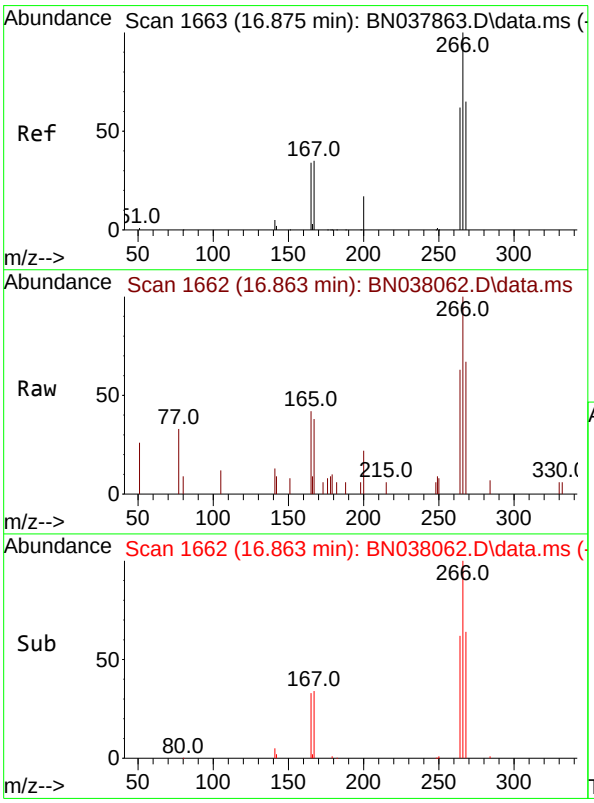
#23
Atrazine
Concen: 0.272 ng
RT: 16.664 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:200 Resp: 2000

Ion	Ratio	Lower	Upper
200	100		
173	31.0	18.3	27.5#
215	45.7	38.6	58.0

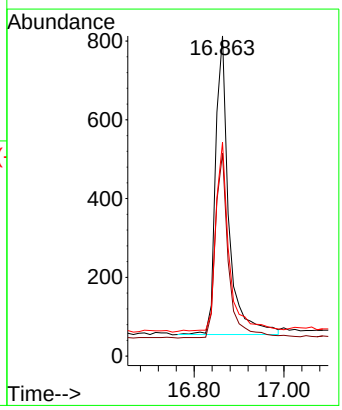


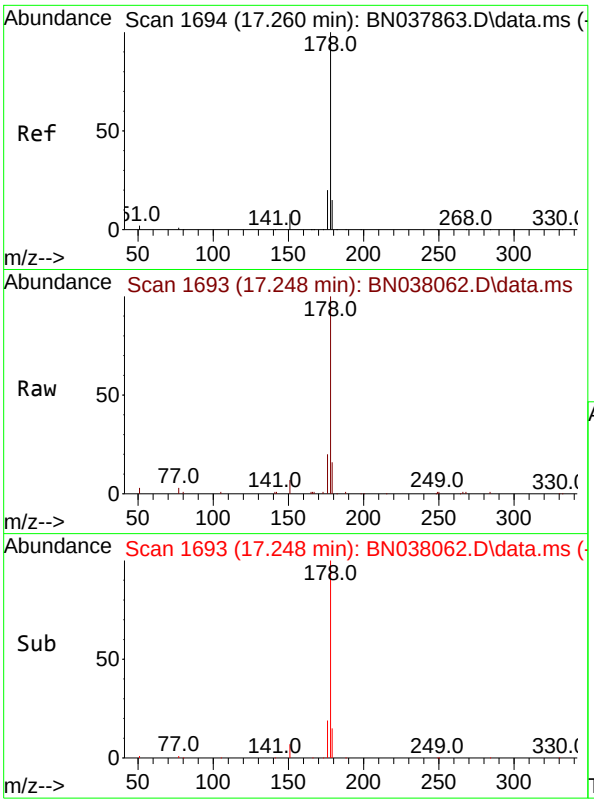


#24
Pentachlorophenol
Concen: 0.386 ng
RT: 16.863 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:266 Resp: 1551

Ion	Ratio	Lower	Upper
266	100		
264	61.4	50.9	76.3
268	65.8	54.3	81.5



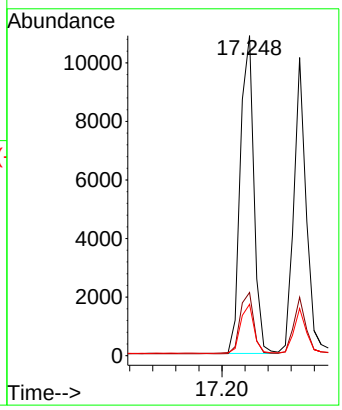


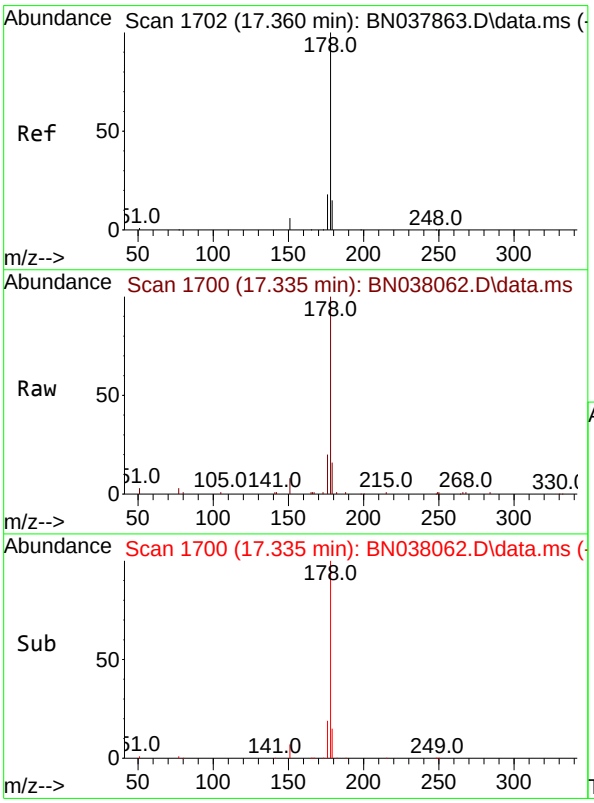
#25
Phenanthrene
Concen: 0.361 ng
RT: 17.248 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:178 Resp: 17617

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.4	12.3	18.5

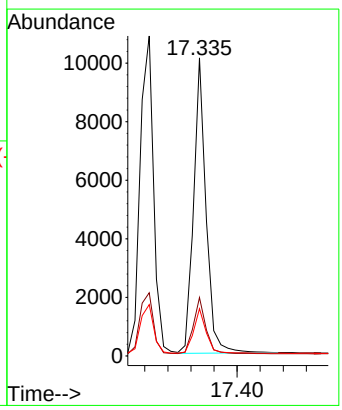


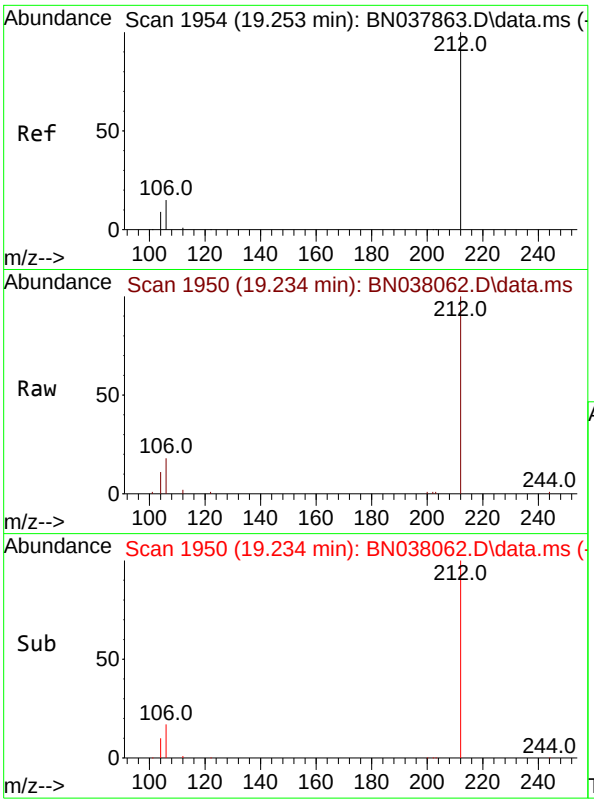


#26
Anthracene
Concen: 0.358 ng
RT: 17.335 min Scan# 1700
Delta R.T. -0.025 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:178 Resp: 15152

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.3	12.3	18.5



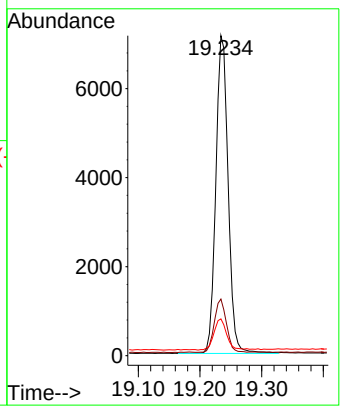


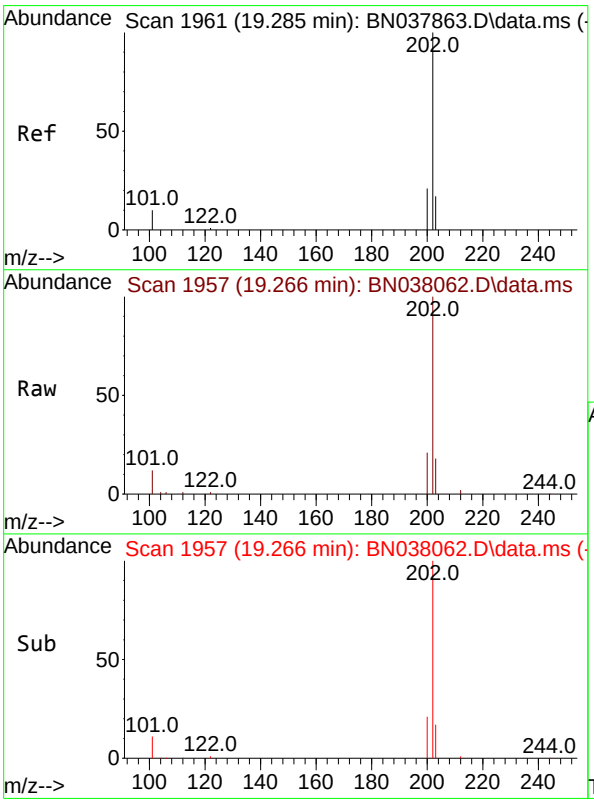
#27
Fluoranthene-d10
Concen: 0.265 ng
RT: 19.234 min Scan# 1
Delta R.T. -0.019 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:212 Resp: 9888

Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.6	19.0
104	10.4	7.4	11.0

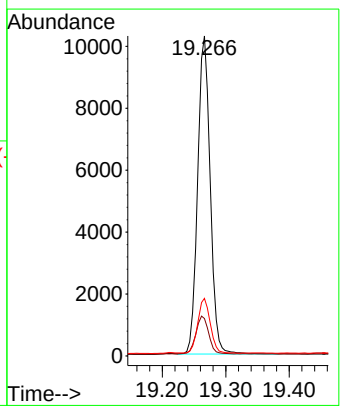


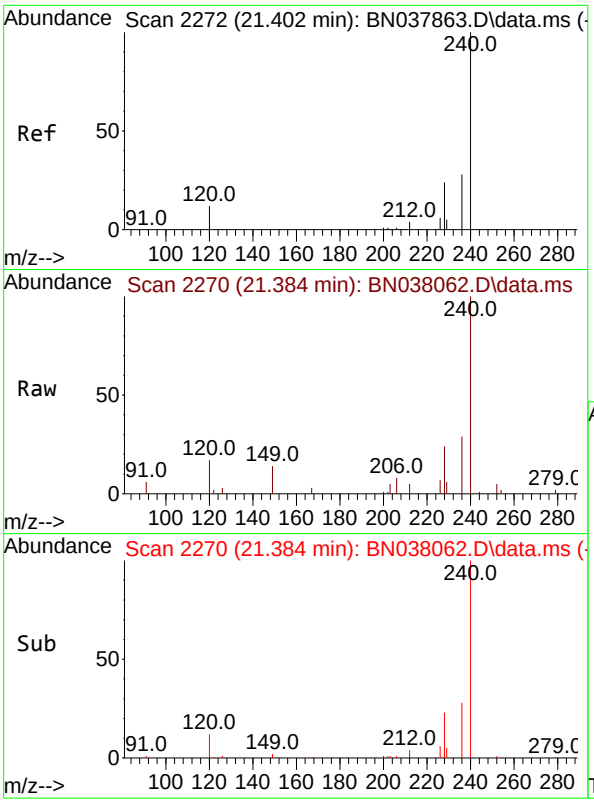


#28
Fluoranthene
Concen: 0.263 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.019 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:202 Resp: 14111

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
203	17.2	13.6	20.4



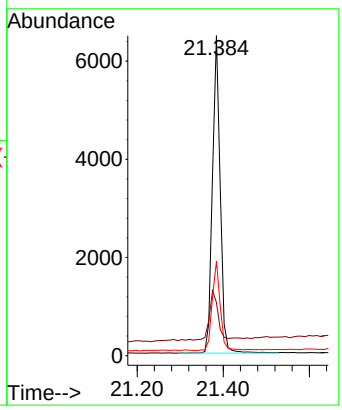


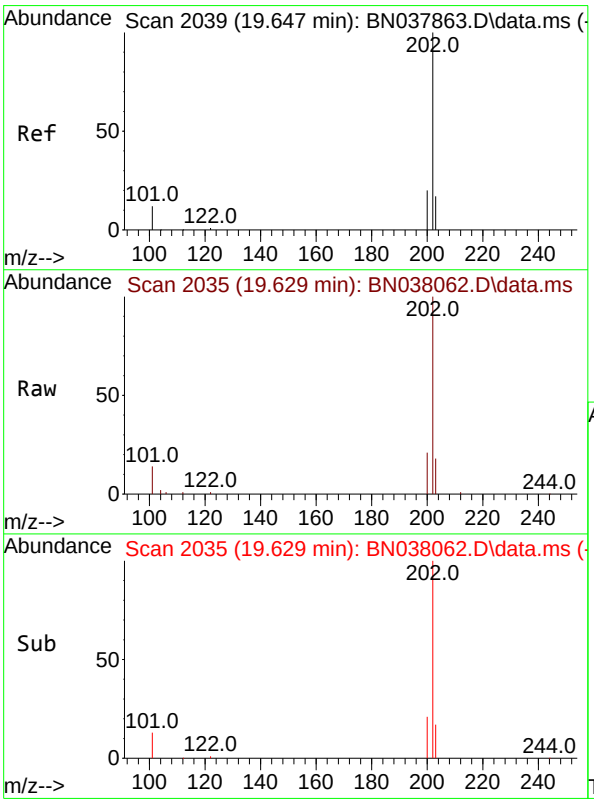
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:240 Resp: 8116

Ion	Ratio	Lower	Upper
240	100		
120	16.6	11.4	17.2
236	29.5	23.0	34.6

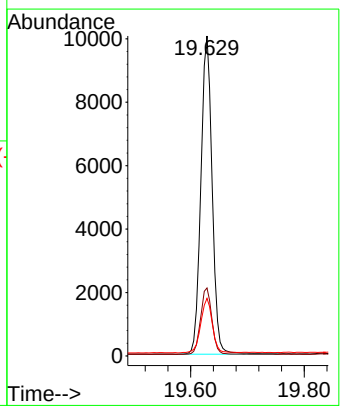


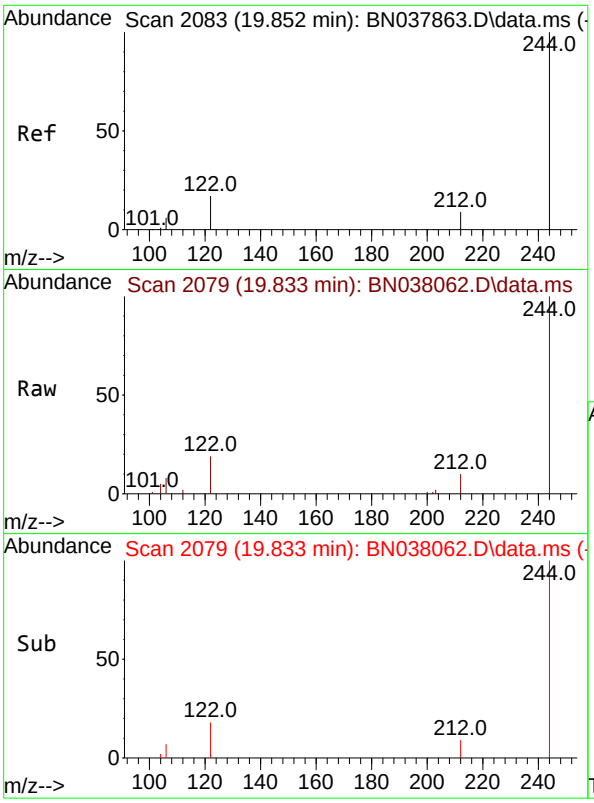


#30
Pyrene
Concen: 0.430 ng
RT: 19.629 min Scan# 2035
Delta R.T. -0.019 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:202 Resp: 13787

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.5	14.2	21.4



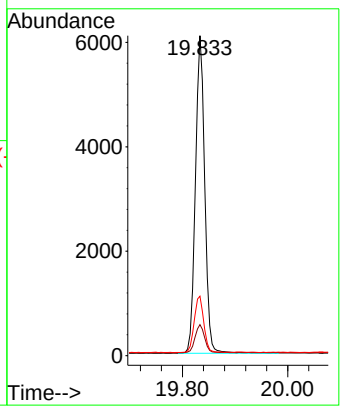


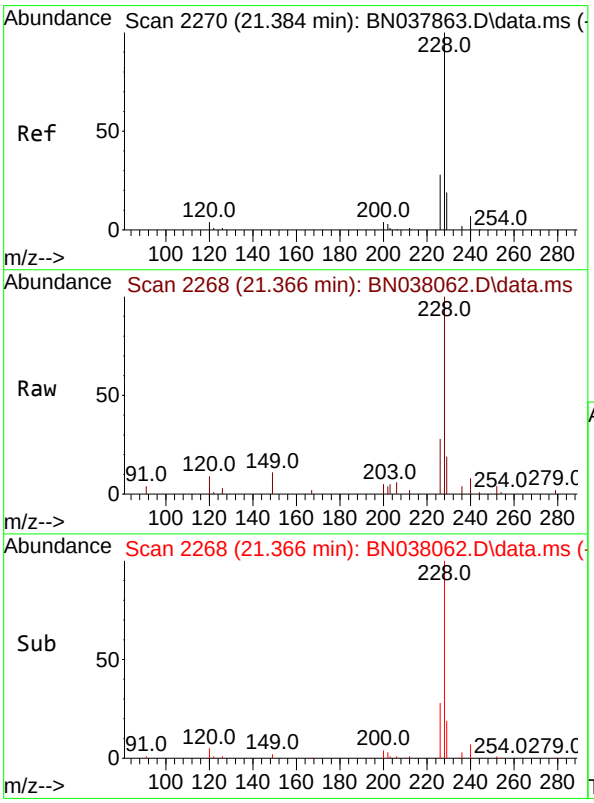
#31
Terphenyl-d14
Concen: 0.463 ng
RT: 19.833 min Scan# 2
Delta R.T. -0.019 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:244 Resp: 7489

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.6	11.4
122	18.6	13.9	20.9

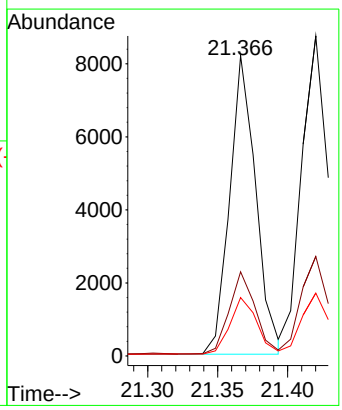


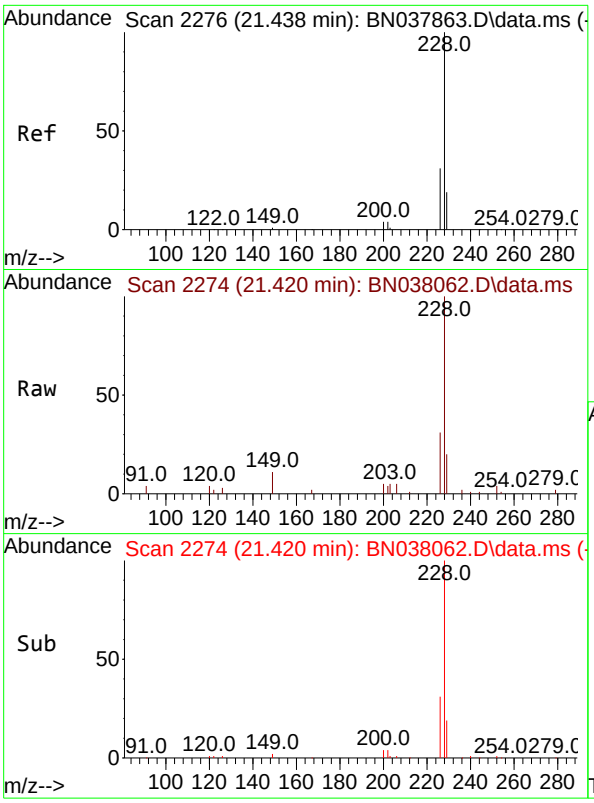


#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.018 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:228 Resp: 10601

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	19.5	15.6	23.4



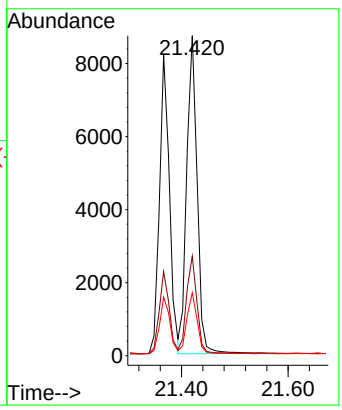


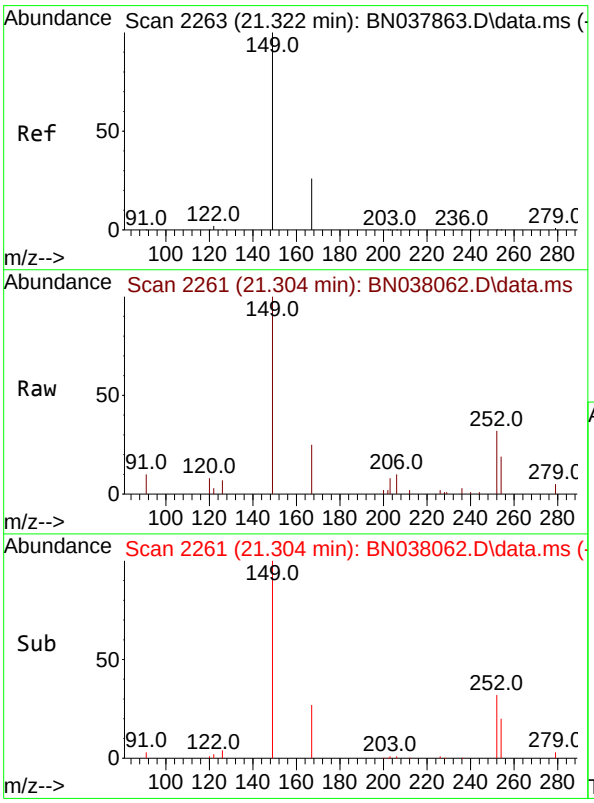
#33
Chrysene
Concen: 0.387 ng
RT: 21.420 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:228 Resp: 11859

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	19.7	15.6	23.4

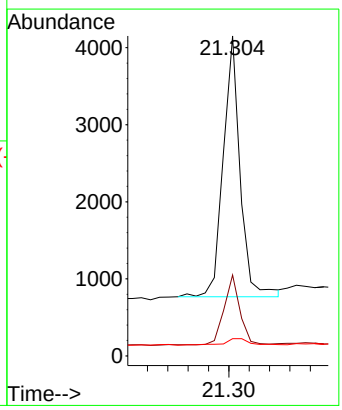


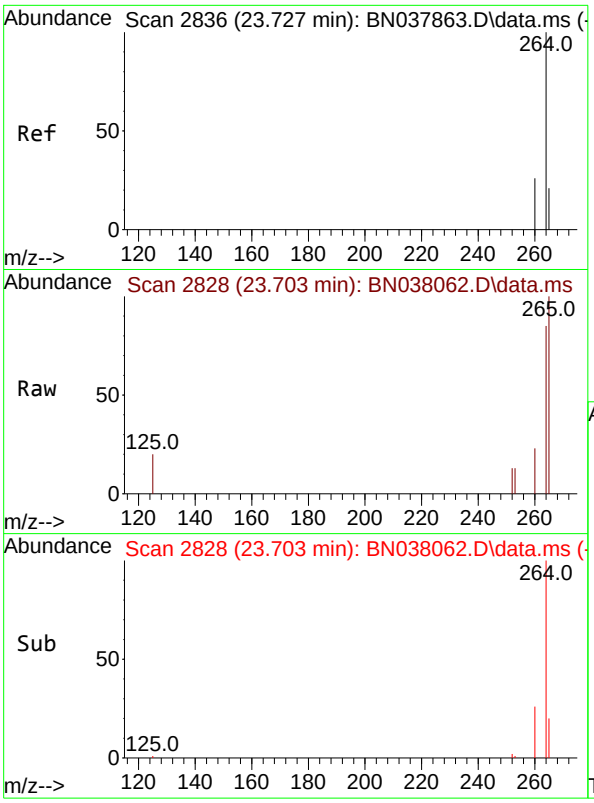


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.304 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:149 Resp: 3906

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.4	30.6
279	4.1	2.4	3.6#



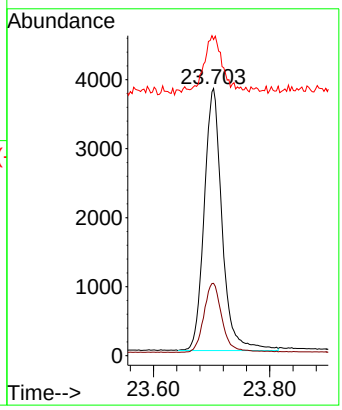


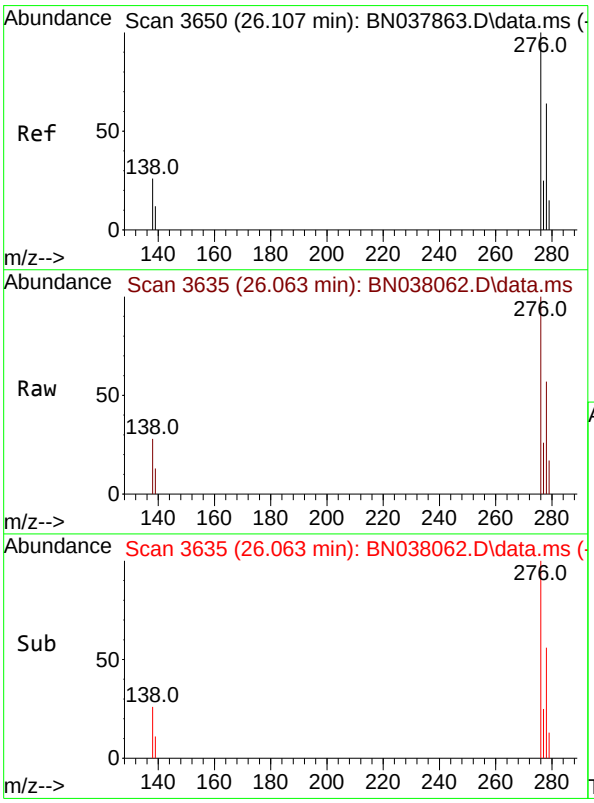
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.703 min Scan# 2
Delta R.T. -0.024 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:264 Resp: 8137

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	118.3	53.8	80.6#

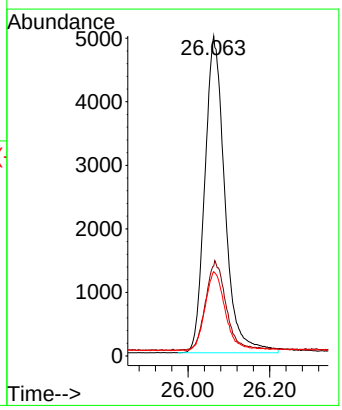


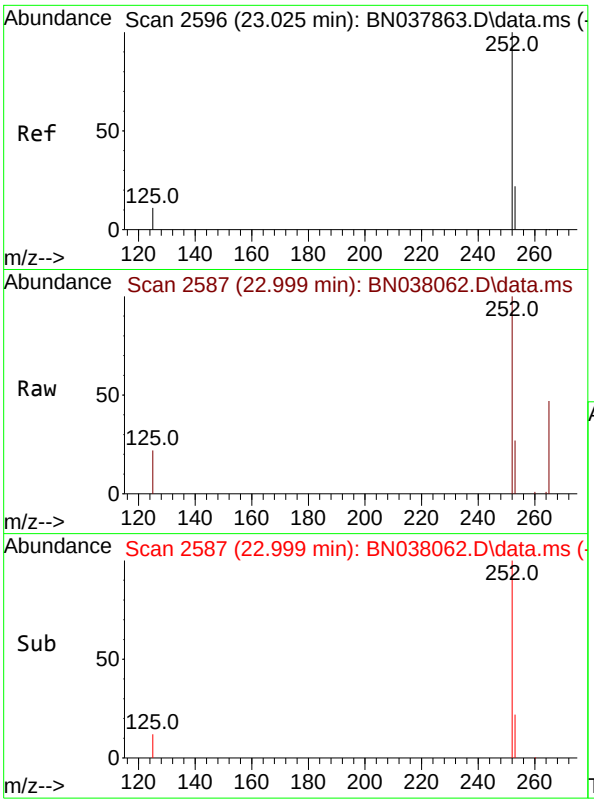


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.457 ng
RT: 26.063 min Scan# 3635
Delta R.T. -0.044 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:276 Resp: 16983

Ion	Ratio	Lower	Upper
276	100		
138	28.6	21.4	32.0
277	24.7	20.3	30.5



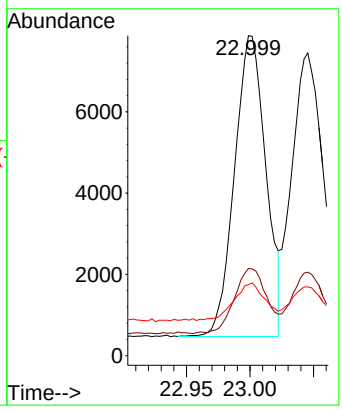


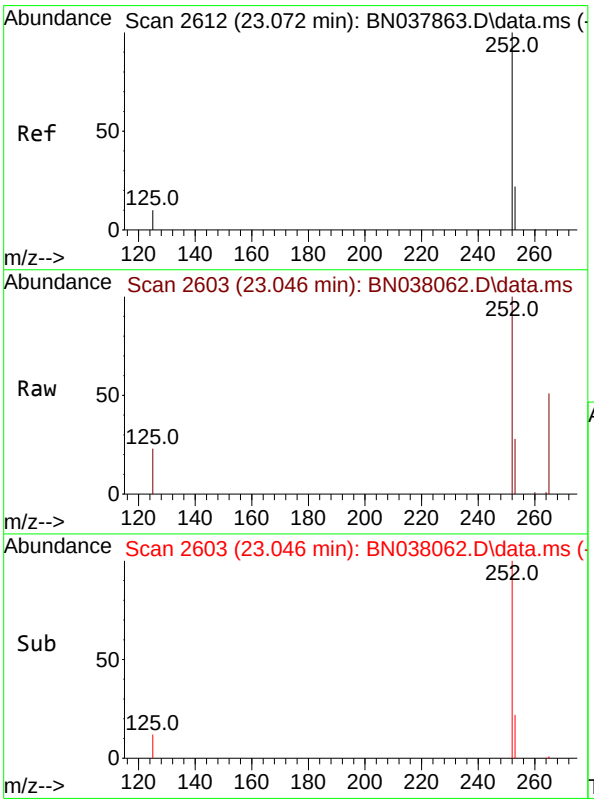
#37
Benzo(b)fluoranthene
Concen: 0.362 ng
RT: 22.999 min Scan# 2
Delta R.T. -0.026 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:252 Resp: 12697

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.4	29.0
125	22.2	13.0	19.4#

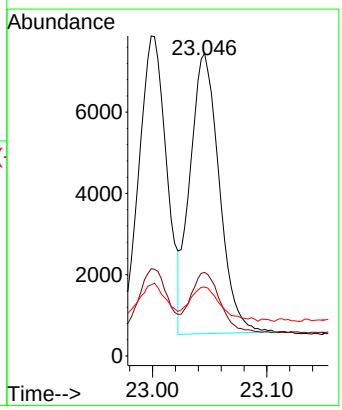


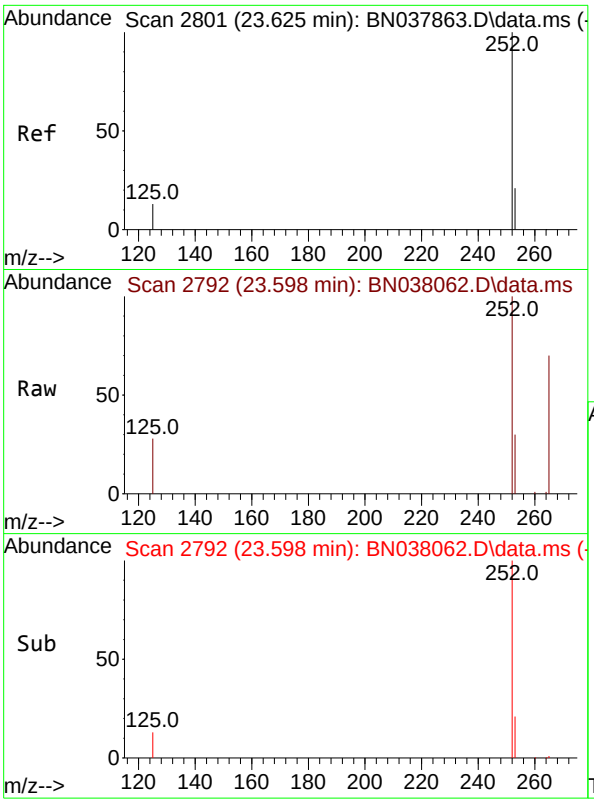


#38
Benzo(k)fluoranthene
Concen: 0.348 ng
RT: 23.046 min Scan# 2603
Delta R.T. -0.026 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:252 Resp: 12273

Ion	Ratio	Lower	Upper
252	100		
253	27.6	19.5	29.3
125	22.7	13.0	19.4#



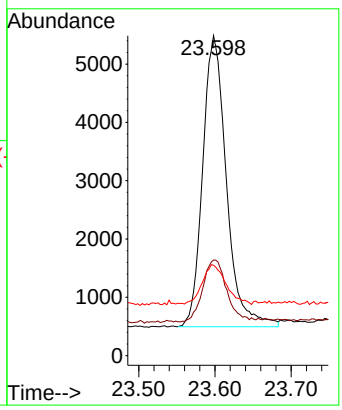


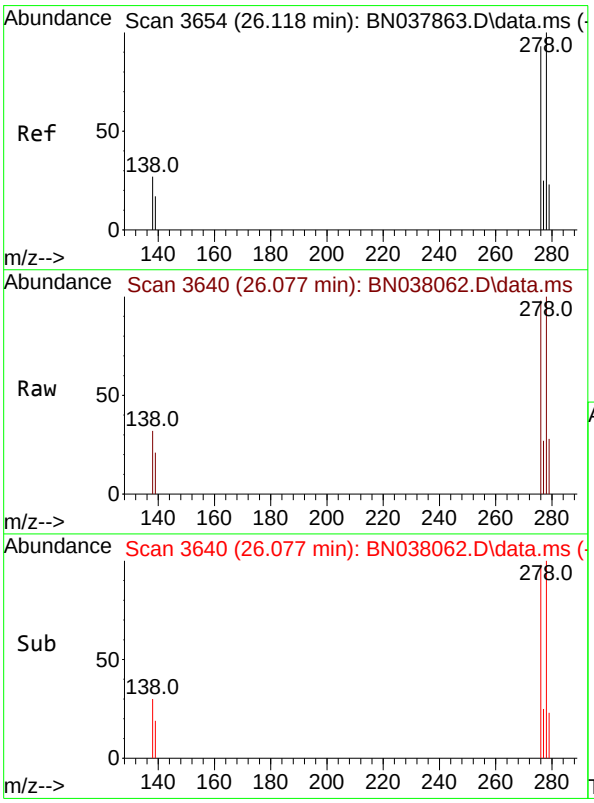
#39
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.598 min Scan# 2
Delta R.T. -0.026 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:252 Resp: 10797

Ion	Ratio	Lower	Upper
252	100		
253	29.9	20.6	30.8
125	28.2	16.7	25.1#

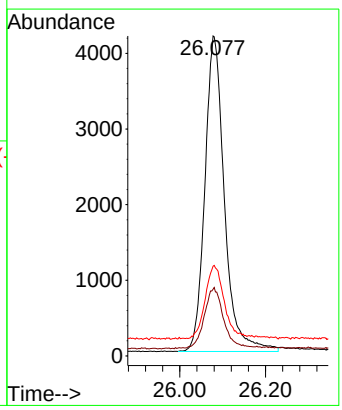


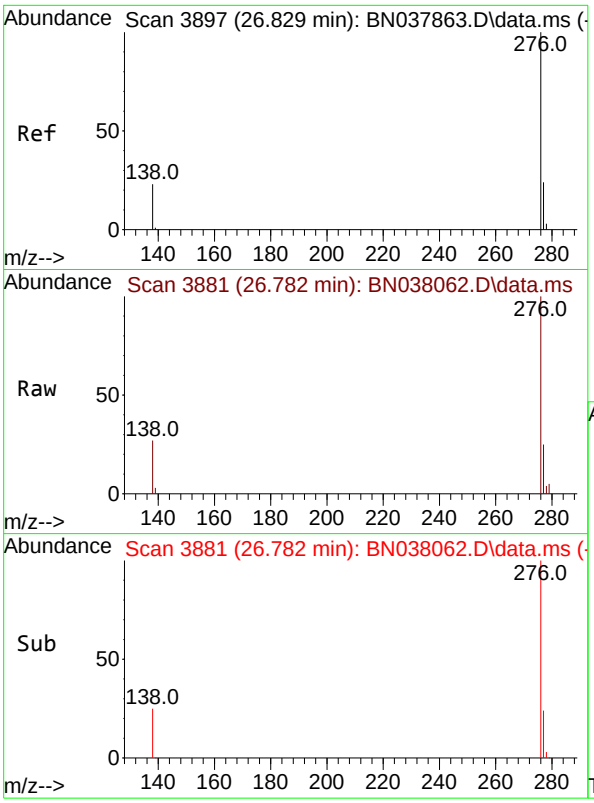


#40
Dibenzo(a,h)anthracene
Concen: 0.455 ng
RT: 26.077 min Scan# 3640
Delta R.T. -0.041 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Tgt Ion:278 Resp: 13201

Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.4	23.2
279	28.0	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.485 ng
RT: 26.782 min Scan# 3
Delta R.T. -0.047 min
Lab File: BN038062.D
Acq: 08 Oct 2025 01:30

Instrument :
BNA_N
ClientSampleId :
PB169992BS

Tgt Ion:276 Resp: 14778

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.2	30.4
138	26.9	19.8	29.8