Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038186.D
Acq On : 12 Nov 2025 11:20
Operator : RC/JU
Sample : PB170483BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Quant Time: Nov 12 11:44:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9171	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	26214	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	13453	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	20310	0.400	ng	0.00
29) Chrysene-d12	21.375	240	12107	0.400	ng	0.00
35) Perylene-d12	23.683	264	12660	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	7806	0.361	ng	0.00
5) Phenol-d6	6.937	99	9239	0.351	ng	0.00
8) Nitrobenzene-d5	8.918	82	7662	0.362	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	13900	0.371	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1151	0.208	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	20428	0.379	ng	0.00
27) Fluoranthene-d10	19.220	212	14174	0.277	ng	0.00
31) Terphenyl-d14	19.819	244	10666	0.405	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	2929	0.309	ng	# 68
3) n-Nitrosodimethylamine	3.564	42	3880	0.318	ng	# 95
6) bis(2-Chloroethyl)ether	7.190	93	8931	0.345	ng	98
9) Naphthalene	10.626	128	24859	0.344	ng	100
10) Hexachlorobutadiene	10.915	225	4424	0.363	ng	# 98
12) 2-Methylnaphthalene	12.243	142	14646	0.304	ng	98
16) Acenaphthylene	14.152	152	22595	0.371	ng	100
17) Acenaphthene	14.495	154	14074	0.330	ng	98
18) Fluorene	15.489	166	18102	0.324	ng	100
20) 4,6-Dinitro-2-methylph...	15.572	198	378	0.281	ng	# 33
21) 4-Bromophenyl-phenylether	16.379	248	5083	0.382	ng	95
22) Hexachlorobenzene	16.491	284	6389	0.422	ng	98
23) Atrazine	16.652	200	2972	0.305	ng	96
24) Pentachlorophenol	16.851	266	2276	0.349	ng	98
25) Phenanthrene	17.223	178	22214	0.345	ng	100
26) Anthracene	17.322	178	20143	0.357	ng	99
28) Fluoranthene	19.253	202	19276	0.268	ng	100
30) Pyrene	19.610	202	19106	0.350	ng	100
32) Benzo(a)anthracene	21.358	228	14926	0.346	ng	100
33) Chrysene	21.411	228	17480	0.373	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	7077	0.311	ng	99
36) Indeno(1,2,3-cd)pyrene	26.040	276	22426	0.431	ng	99
37) Benzo(b)fluoranthene	22.984	252	17625	0.326	ng	# 92
38) Benzo(k)fluoranthene	23.031	252	18608	0.342	ng	# 94
39) Benzo(a)pyrene	23.581	252	16391	0.378	ng	93
40) Dibenzo(a,h)anthracene	26.057	278	17578	0.439	ng	99
41) Benzo(g,h,i)perylene	26.753	276	19756	0.432	ng	98

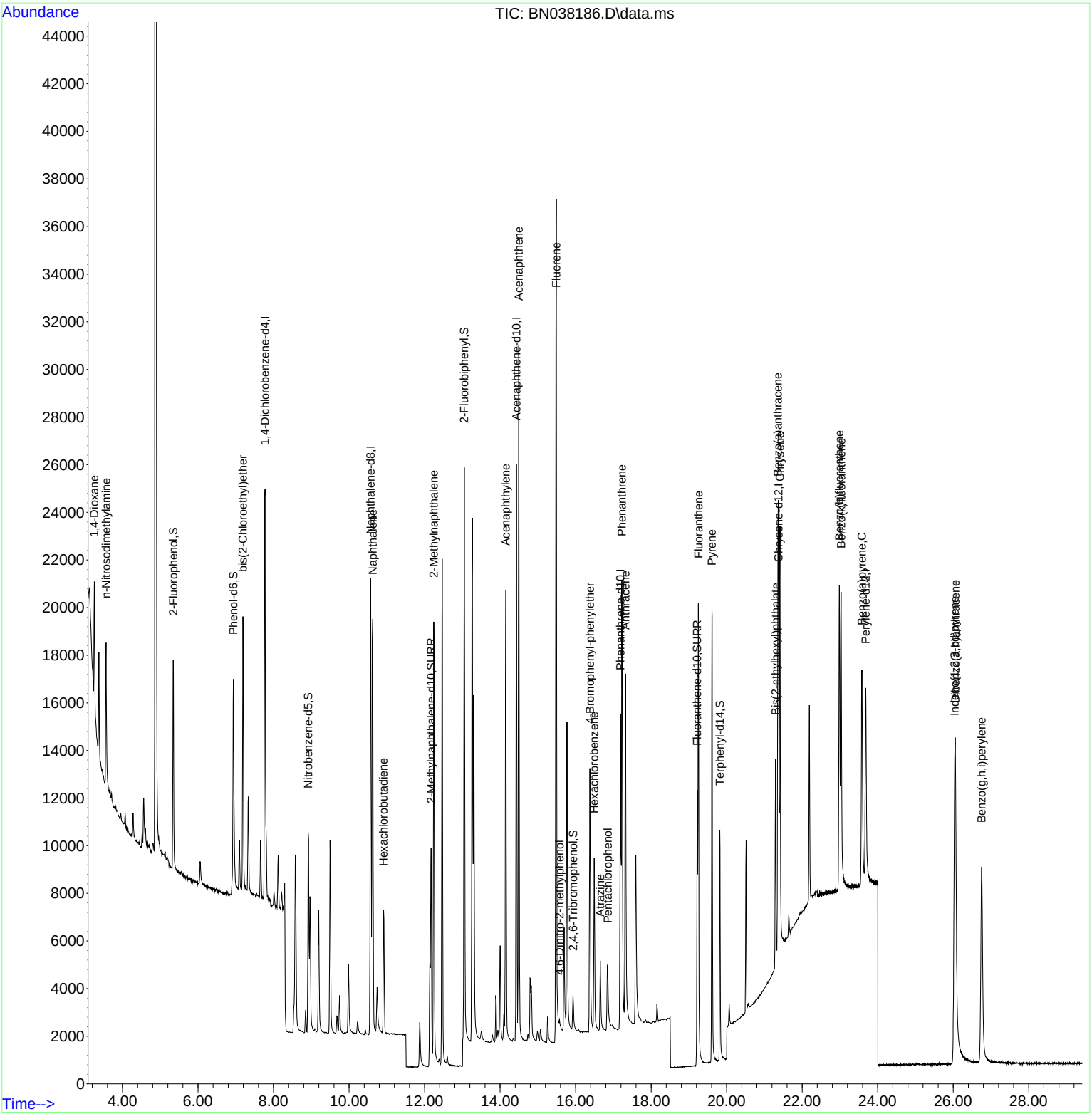
(#) = qualifier out of range (m) = manual integration (+) = signals summed

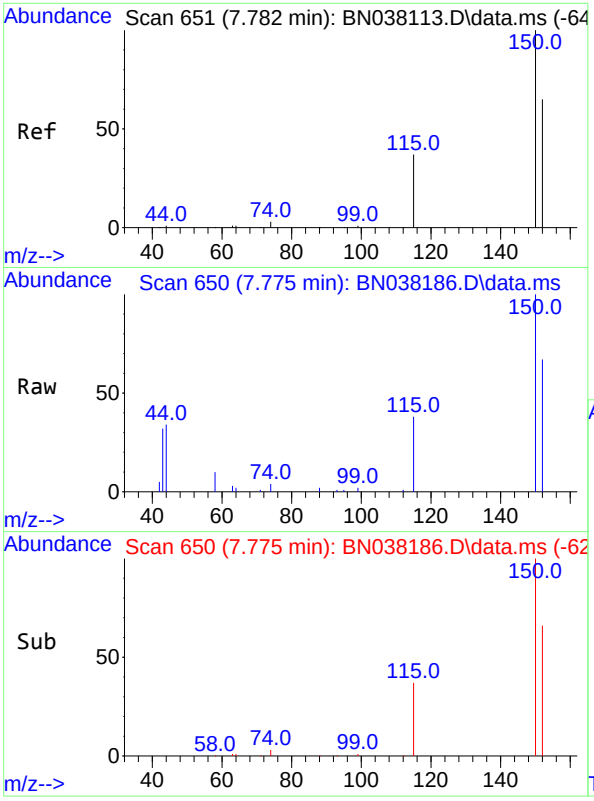
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038186.D
Acq On : 12 Nov 2025 11:20
Operator : RC/JU
Sample : PB170483BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Quant Time: Nov 12 11:44:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



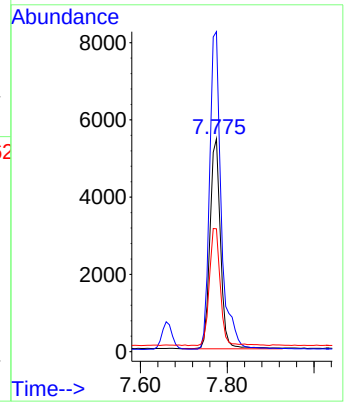


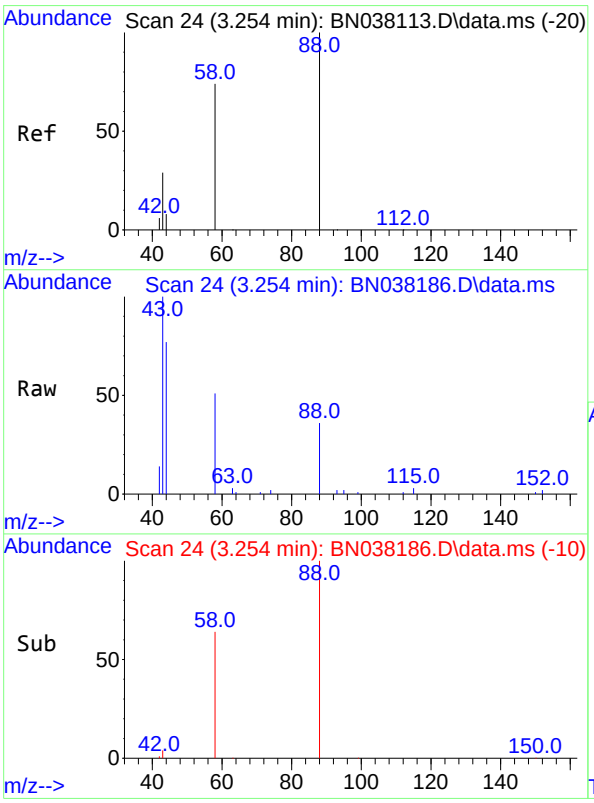
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:152 Resp: 9171

Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.3	183.5
115	57.7	47.4	71.0

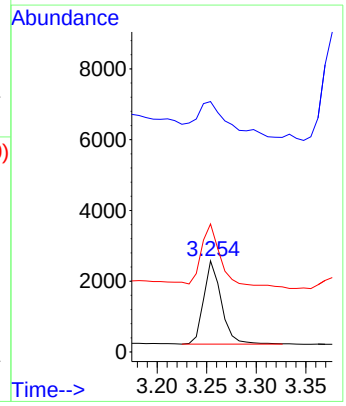


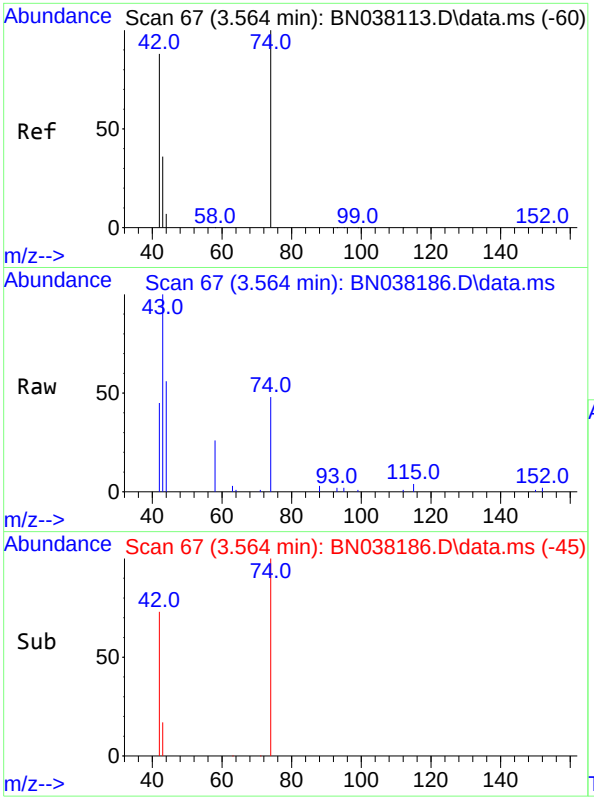


#2
1,4-Dioxane
Concen: 0.309 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion: 88 Resp: 2929

Ion	Ratio	Lower	Upper
88	100		
43	76.3	24.3	36.5#
58	84.6	60.4	90.6



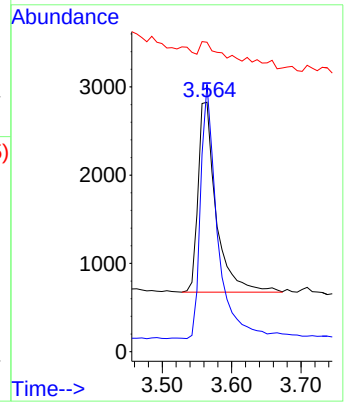


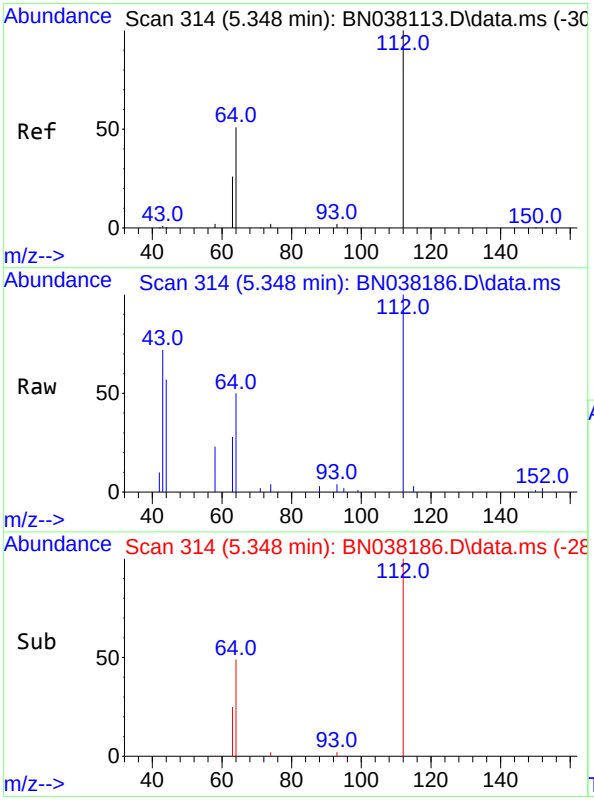
#3
n-Nitrosodimethylamine
Concen: 0.318 ng
RT: 3.564 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion: 42 Resp: 3880

Ion	Ratio	Lower	Upper
42	100		
74	125.9	96.8	145.2
44	9.7	5.3	7.9#

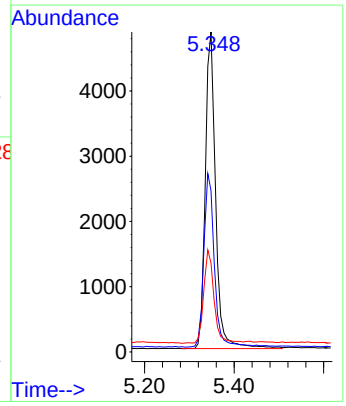


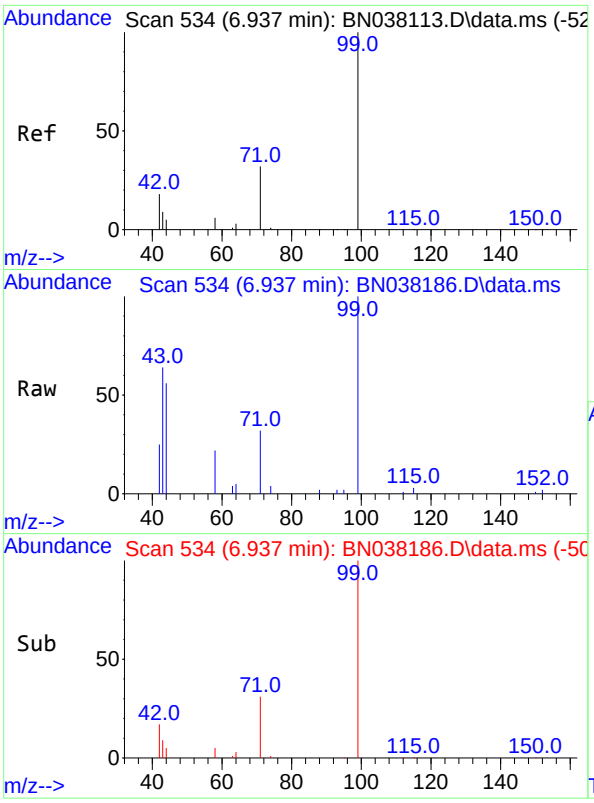


#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:112 Resp: 7806

Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.4	68.0
63	29.6	23.2	34.8



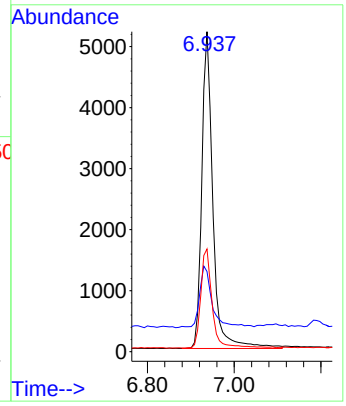


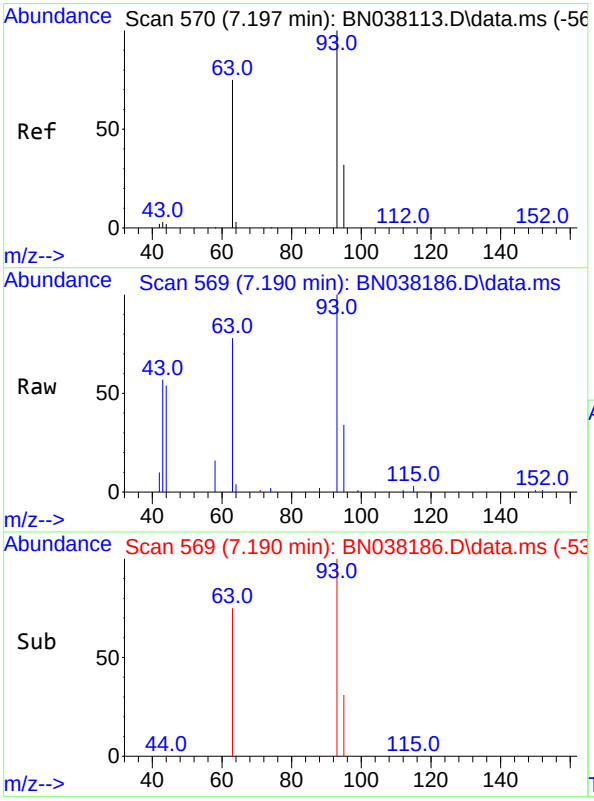
#5
Phenol-d6
Concen: 0.351 ng
RT: 6.937 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion: 99 Resp: 9239

Ion	Ratio	Lower	Upper
99	100		
42	22.5	16.6	24.8
71	32.1	25.4	38.2

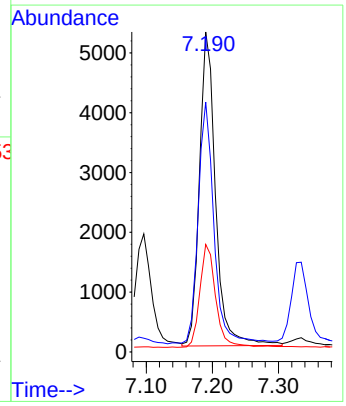


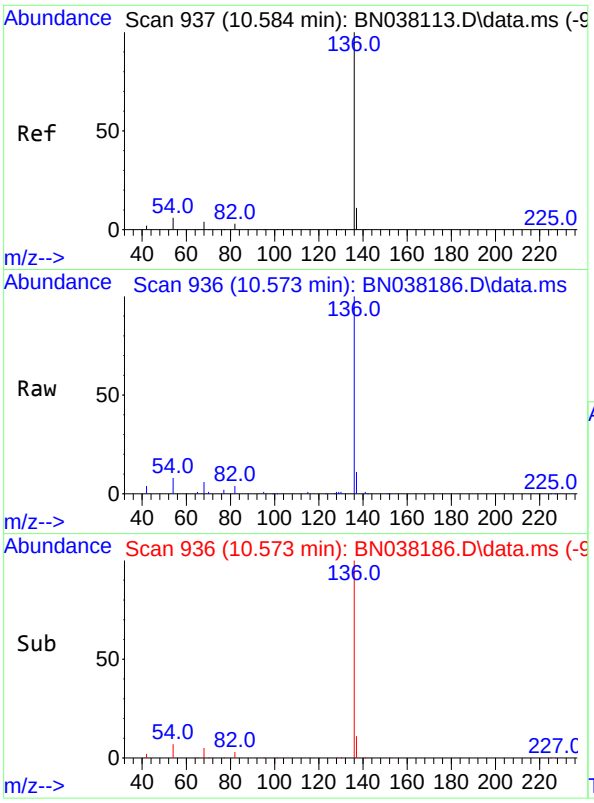


#6
bis(2-Chloroethyl)ether
Concen: 0.345 ng
RT: 7.190 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion: 93 Resp: 8931

Ion	Ratio	Lower	Upper
93	100		
63	75.9	59.3	88.9
95	32.2	25.2	37.8



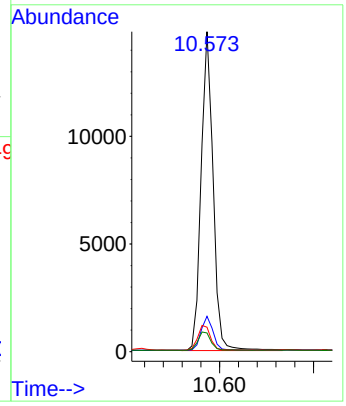


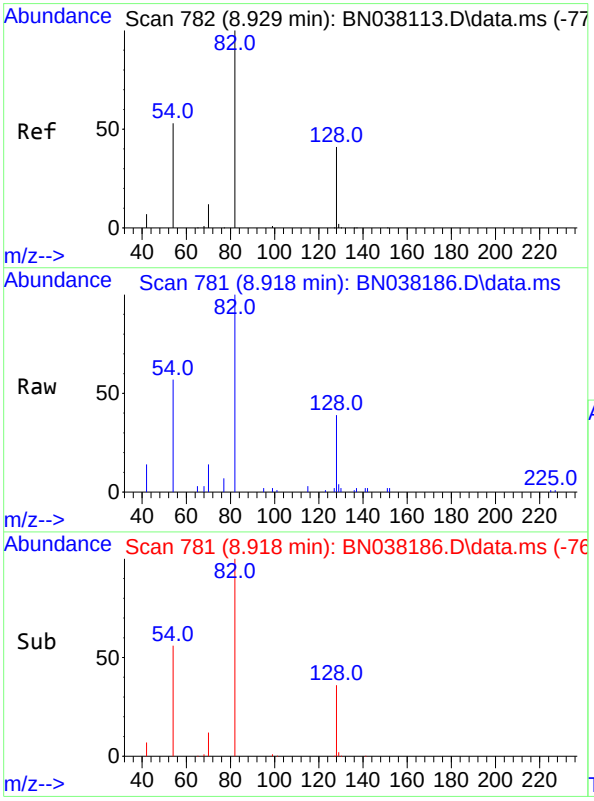
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:136 Resp: 26214

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.7	5.2	7.8
68	5.9	4.1	6.1

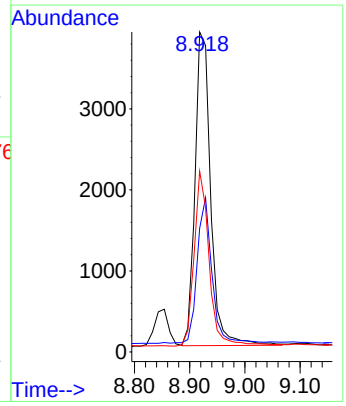


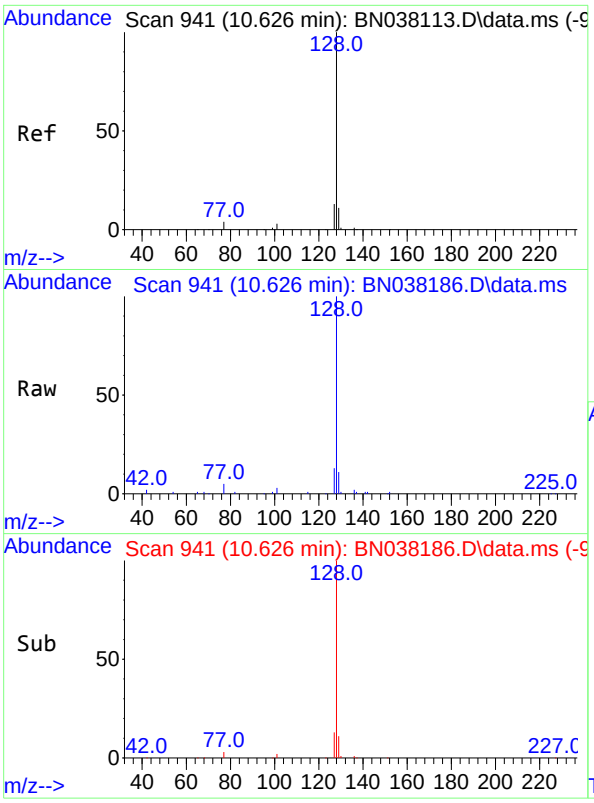


#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion: 82 Resp: 7662

Ion	Ratio	Lower	Upper
82	100		
128	38.6	34.1	51.1
54	56.5	43.5	65.3



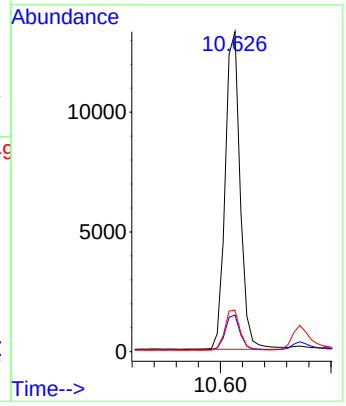


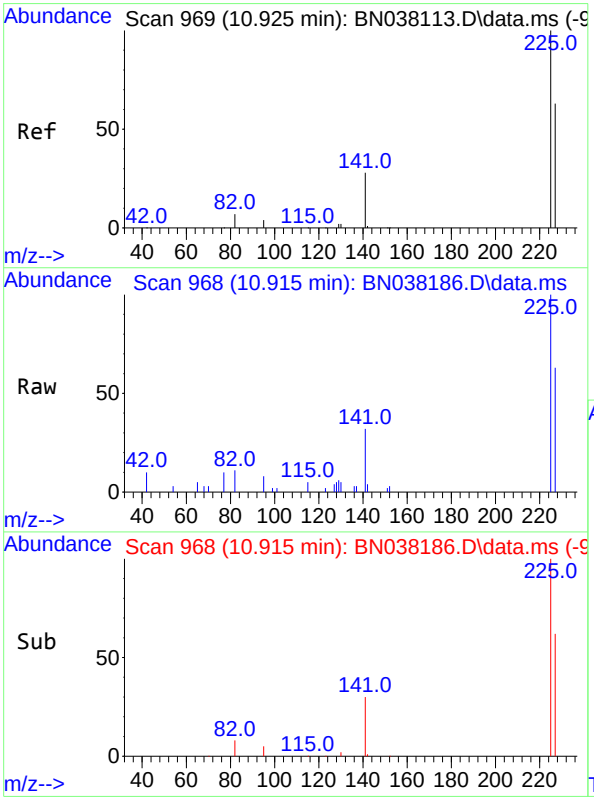
#9
Naphthalene
Concen: 0.344 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:128 Resp: 24859

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.0	10.5	15.7

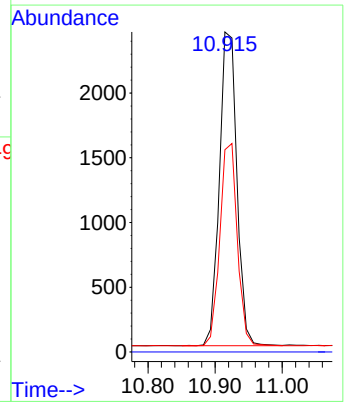


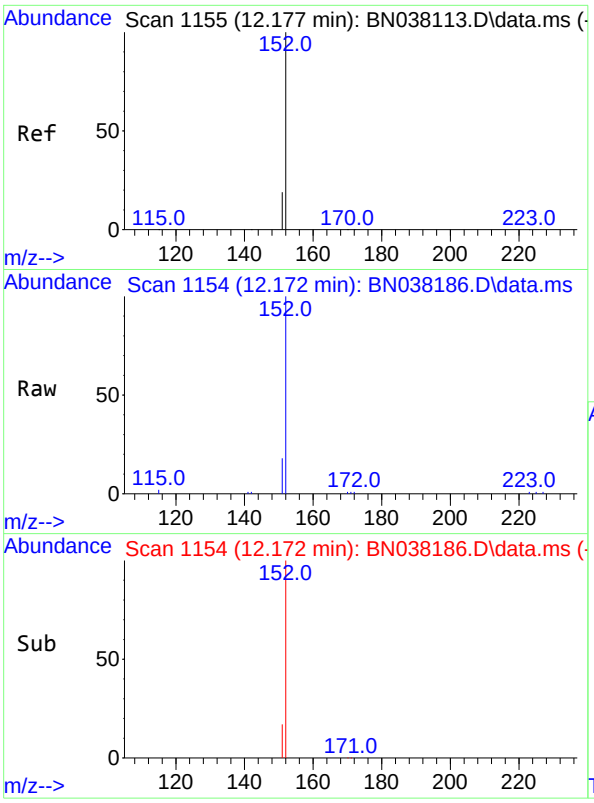


#10
Hexachlorobutadiene
Concen: 0.363 ng
RT: 10.915 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:225 Resp: 4424

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.3	75.5



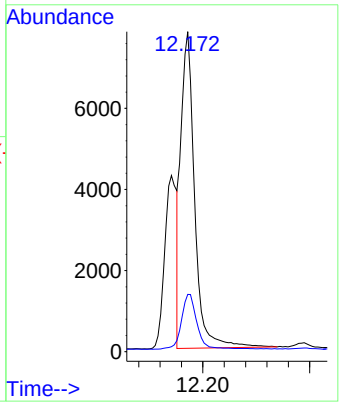


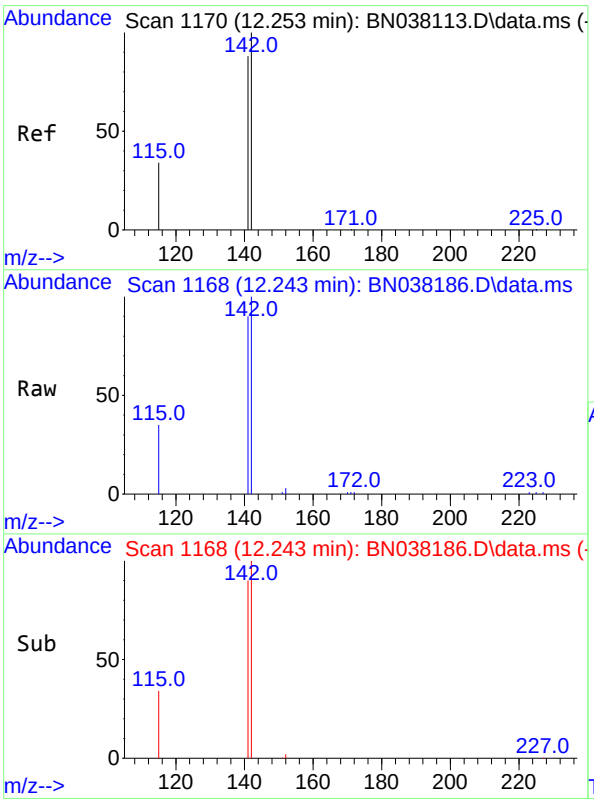
#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.172 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:152 Resp: 13900

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.8	25.2

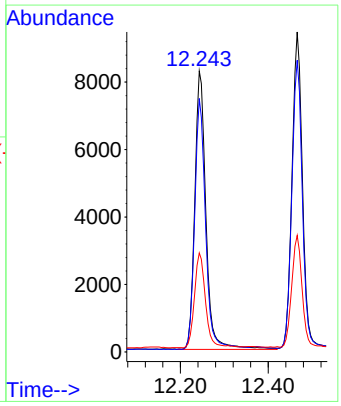


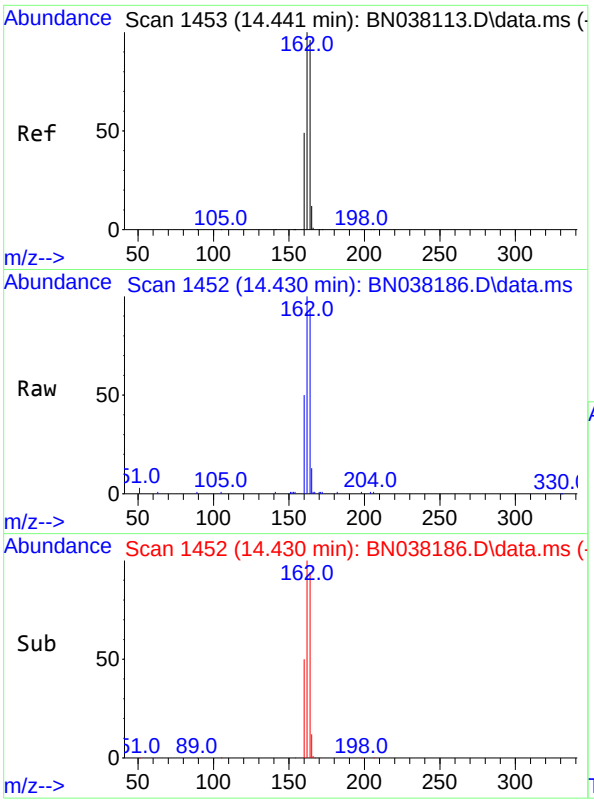


#12
2-Methylnaphthalene
Concen: 0.304 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.005 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:142 Resp: 14646

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.3	105.5
115	35.3	27.8	41.6



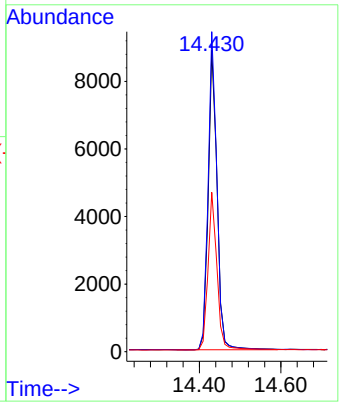


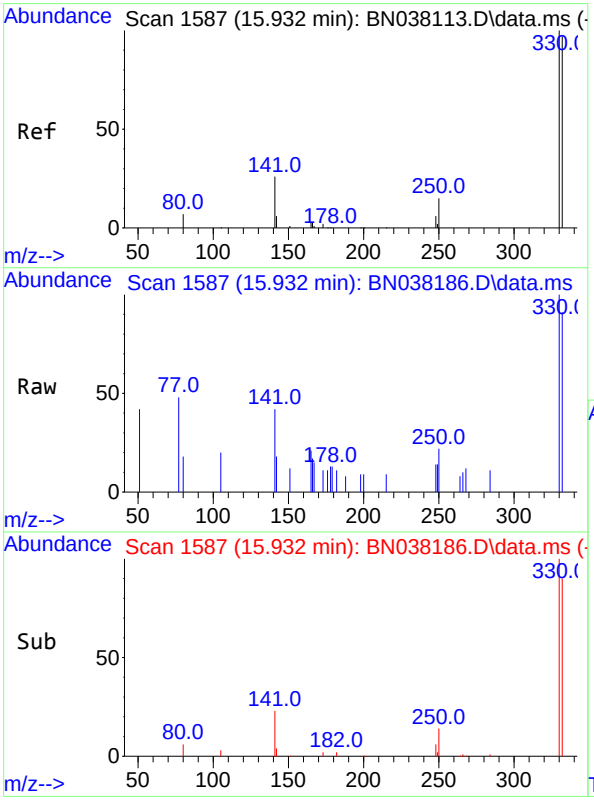
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:164 Resp: 13453

Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.0	124.4
160	52.9	40.7	61.1

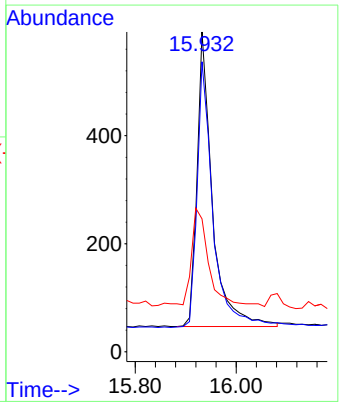


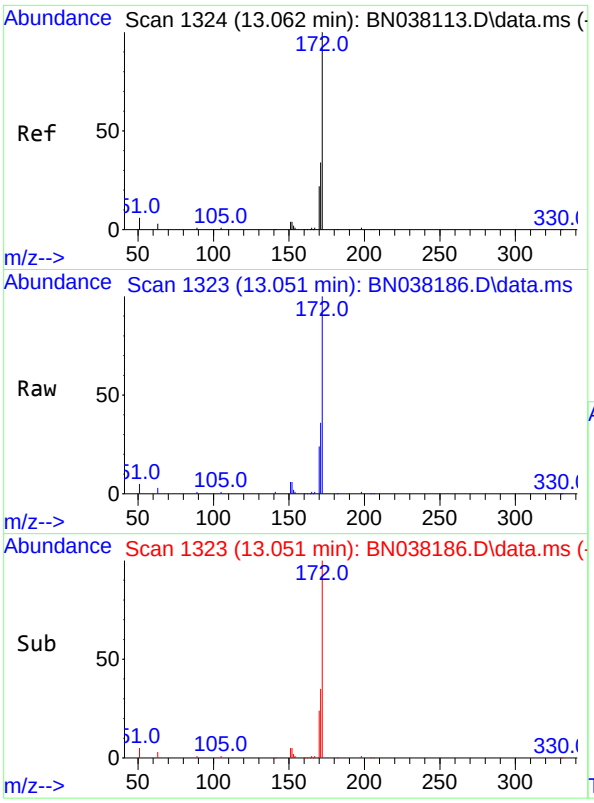


#14
2,4,6-Tribromophenol
Concen: 0.208 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:330 Resp: 1151

Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.6	114.8
141	36.2	34.1	51.1



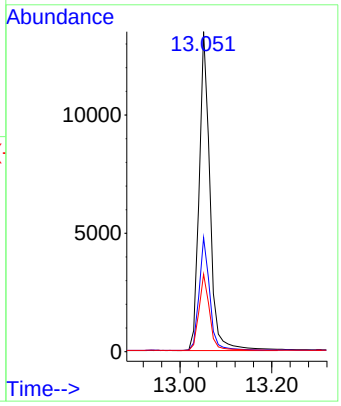


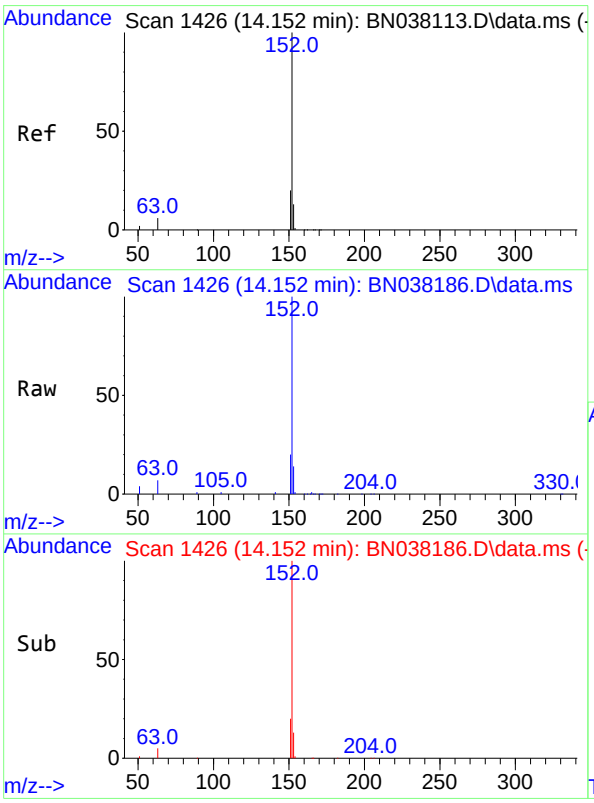
#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:172 Resp: 20428

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.2	18.1	27.1

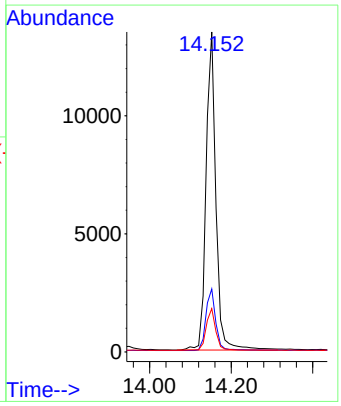


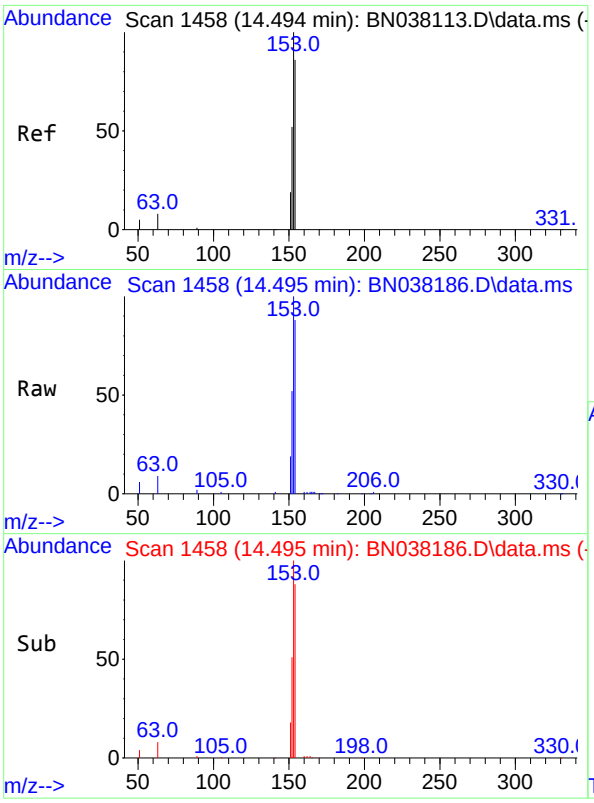


#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:152 Resp: 22595

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.9	10.2	15.2



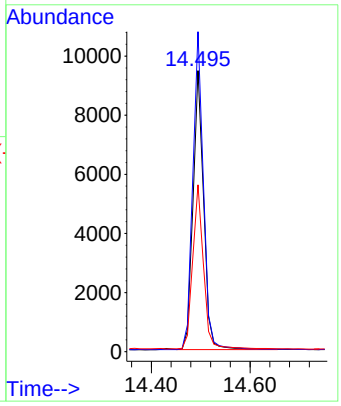


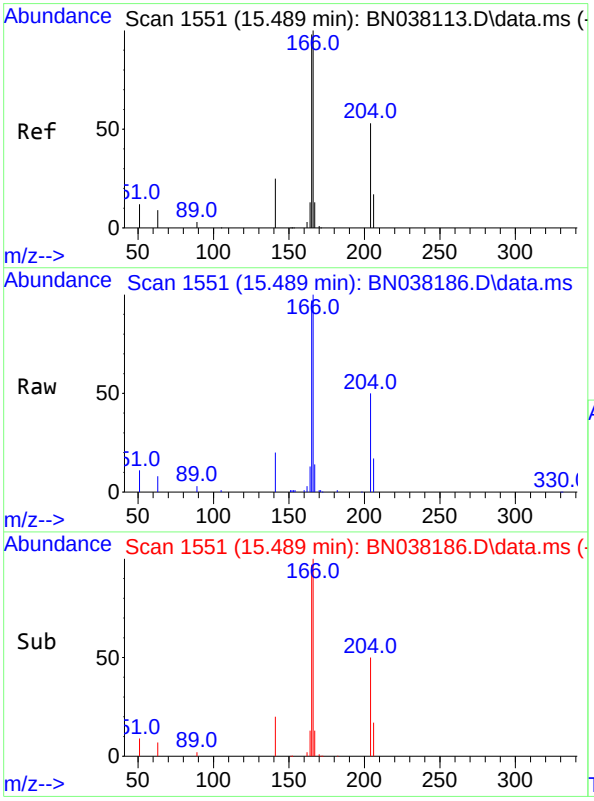
#17
Acenaphthene
Concen: 0.330 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:154 Resp: 14074

Ion	Ratio	Lower	Upper
154	100		
153	114.9	90.0	135.0
152	60.0	47.3	70.9

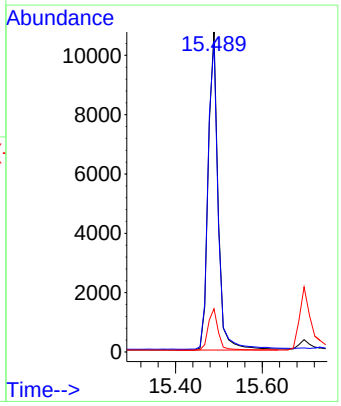


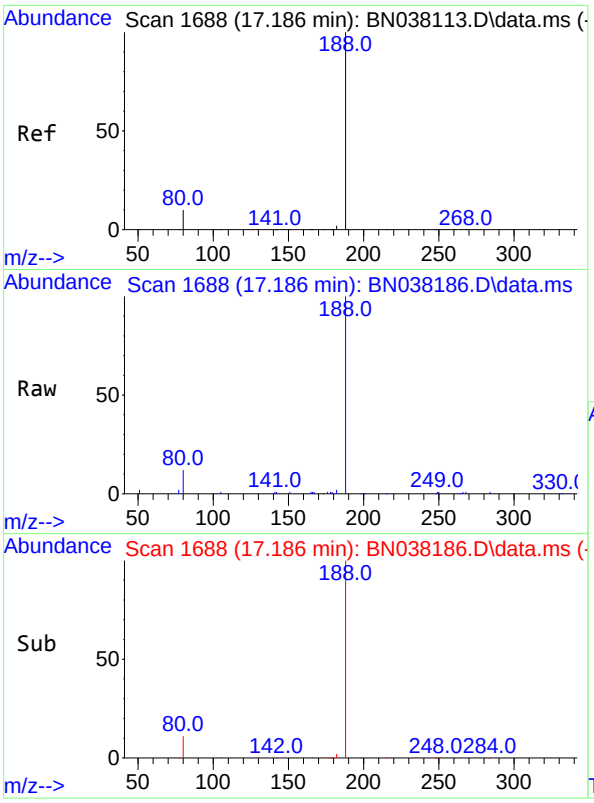


#18
Fluorene
Concen: 0.324 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:166 Resp: 18102

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.0	118.4
167	13.4	10.7	16.1



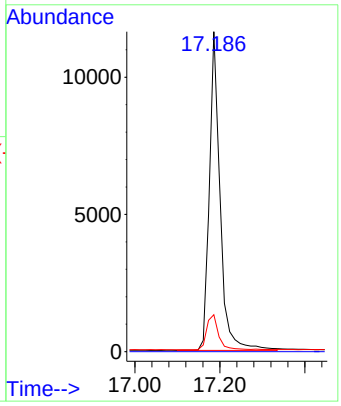


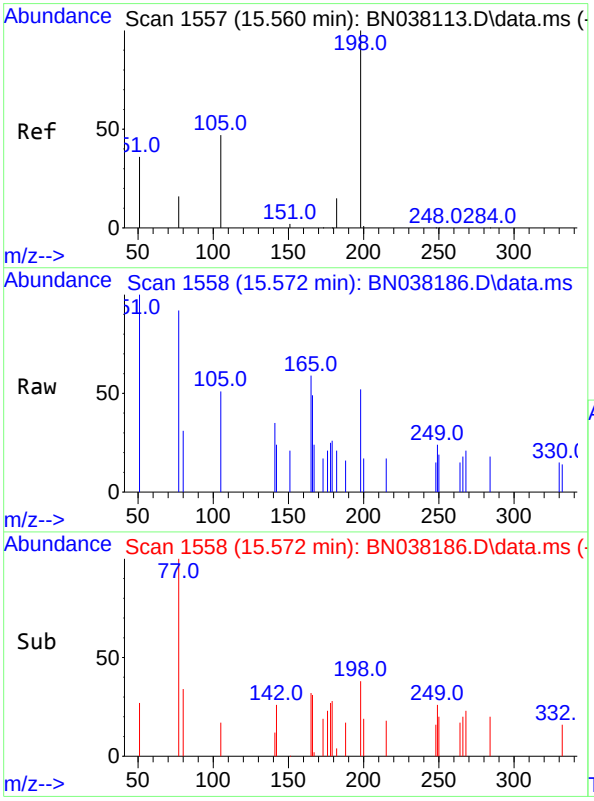
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:188 Resp: 20310

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	8.6	13.0

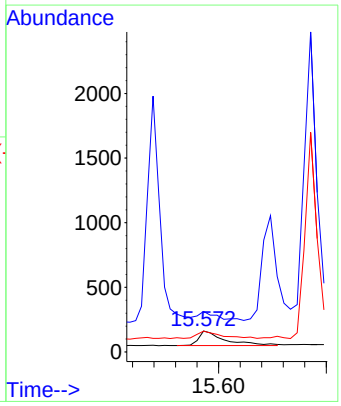


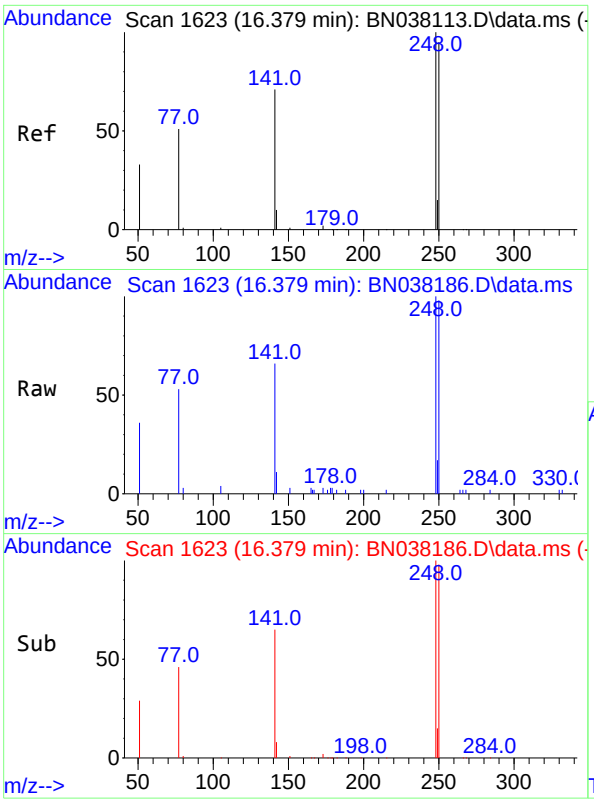


#20
4,6-Dinitro-2-methylphenol
Concen: 0.281 ng
RT: 15.572 min Scan# 1558
Delta R.T. 0.012 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:198 Resp: 378

Ion	Ratio	Lower	Upper
198	100		
51	192.6	88.9	133.3#
105	98.8	49.2	73.8#



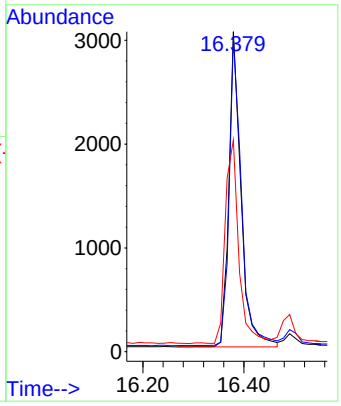


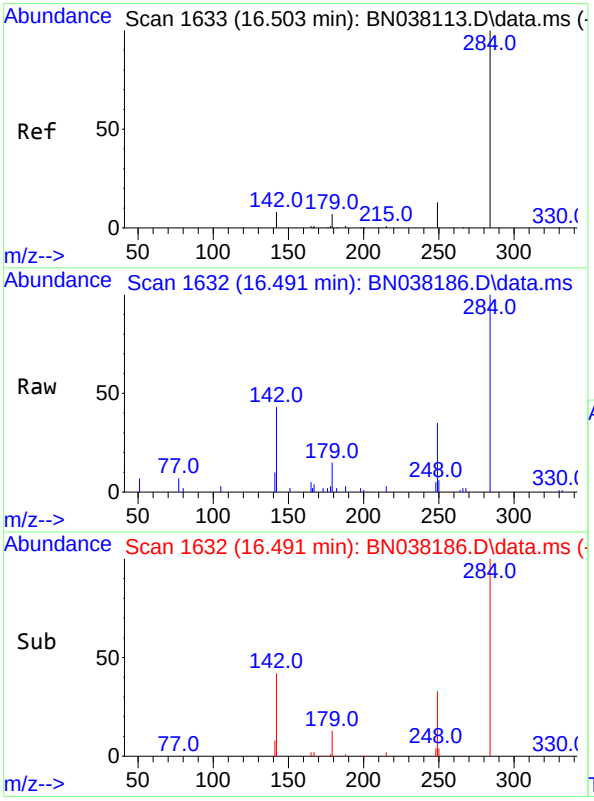
#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:248 Resp: 5083

Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.2	114.2
141	66.1	57.6	86.4

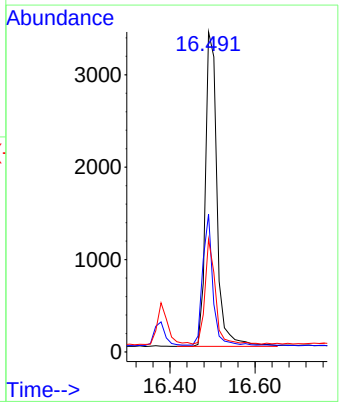


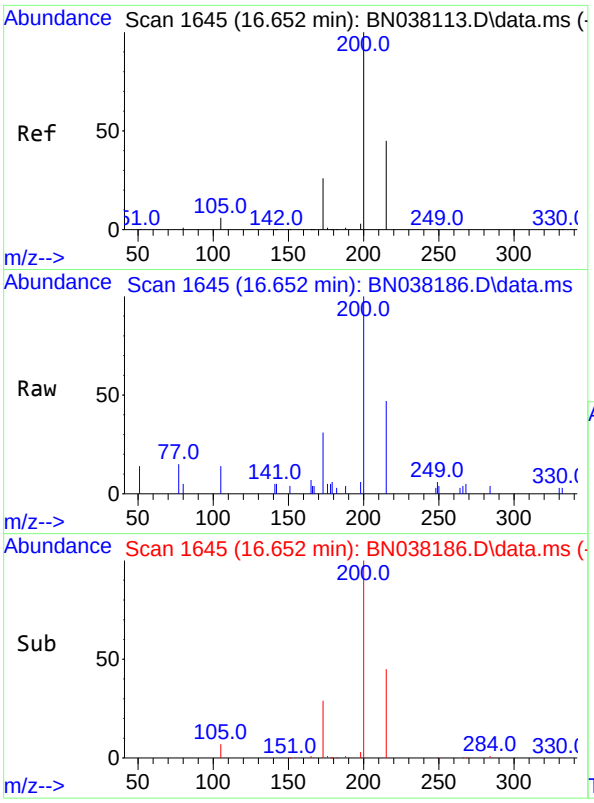


#22
Hexachlorobenzene
Concen: 0.422 ng
RT: 16.491 min Scan# 1632
Delta R.T. -0.012 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:284 Resp: 6389

Ion	Ratio	Lower	Upper
284	100		
142	36.6	30.5	45.7
249	30.0	23.5	35.3



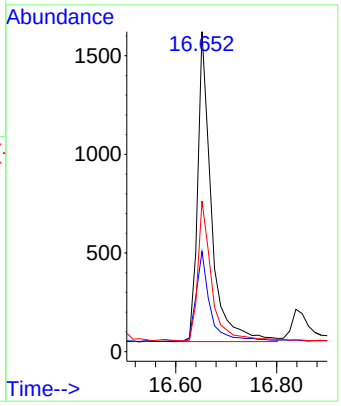


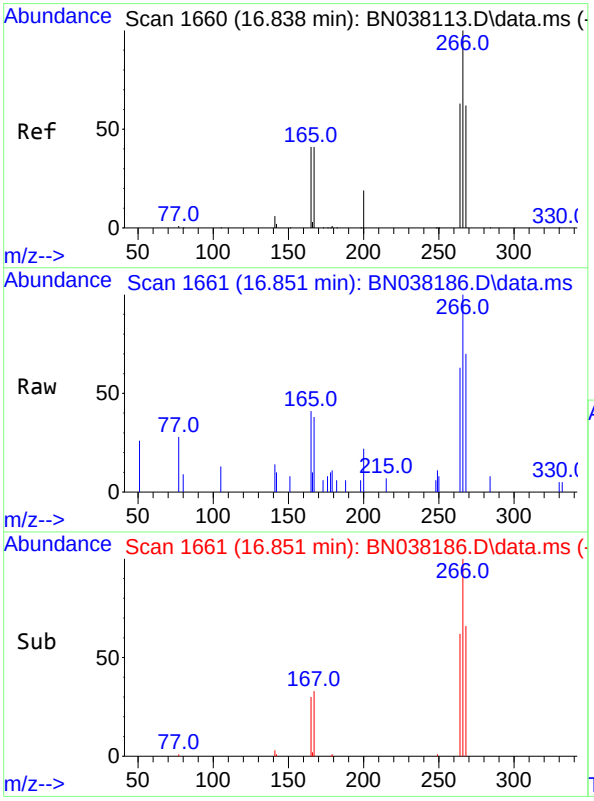
#23
Atrazine
Concen: 0.305 ng
RT: 16.652 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:200 Resp: 2972

Ion	Ratio	Lower	Upper
200	100		
173	31.3	21.4	32.2
215	47.1	36.7	55.1

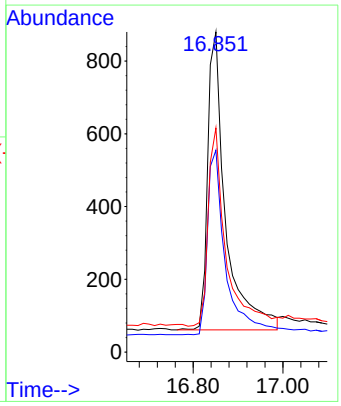


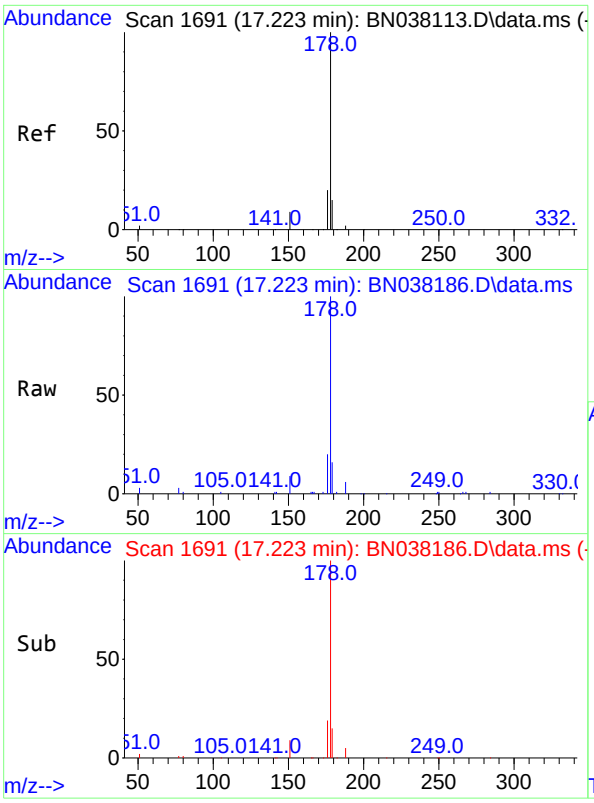


#24
Pentachlorophenol
Concen: 0.349 ng
RT: 16.851 min Scan# 1661
Delta R.T. 0.012 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:266 Resp: 2276

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.3	73.9
268	64.9	50.6	75.8



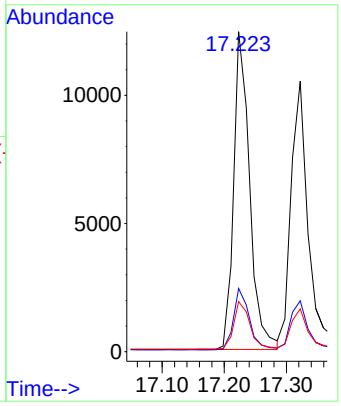


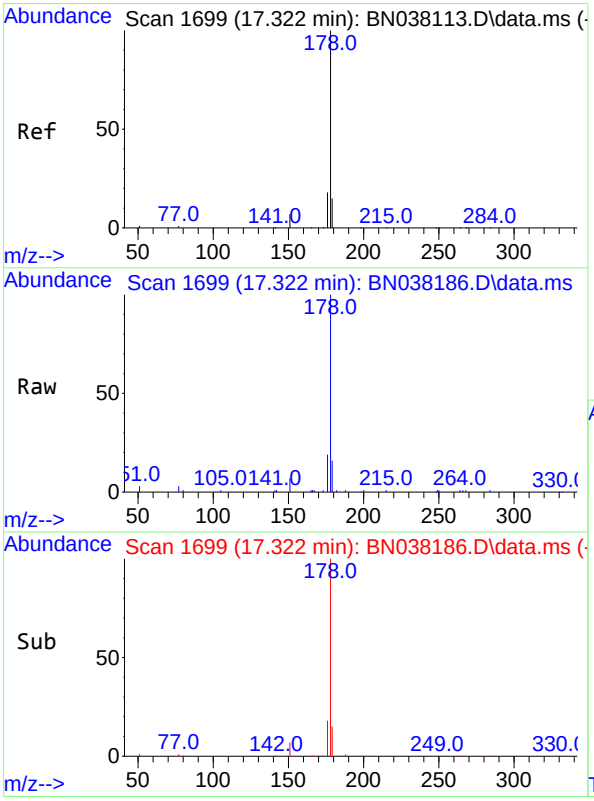
#25
Phenanthrene
Concen: 0.345 ng
RT: 17.223 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:178 Resp: 22214

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.4	12.2	18.4

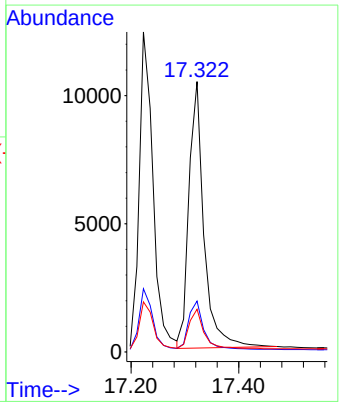


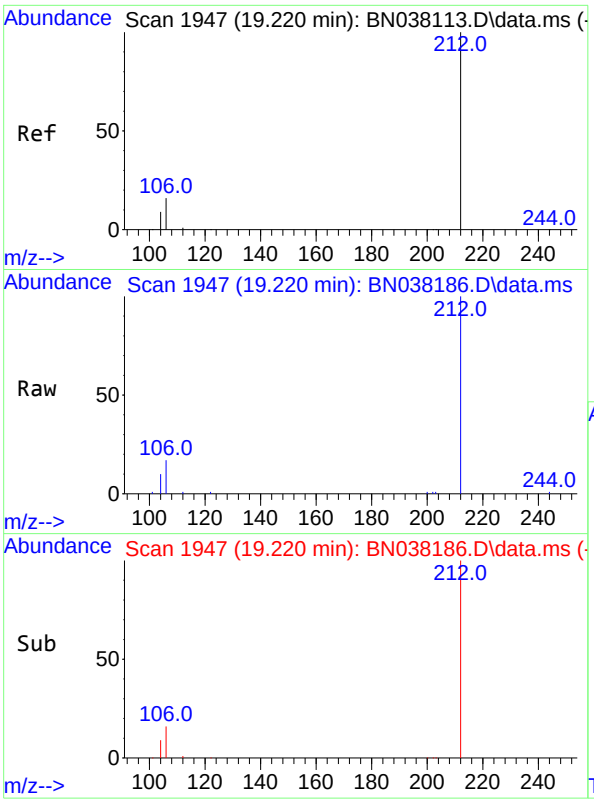


#26
Anthracene
Concen: 0.357 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:178 Resp: 20143

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	11.8	17.8



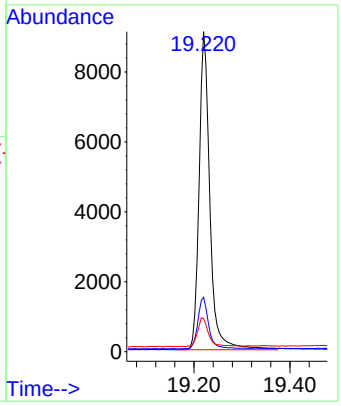


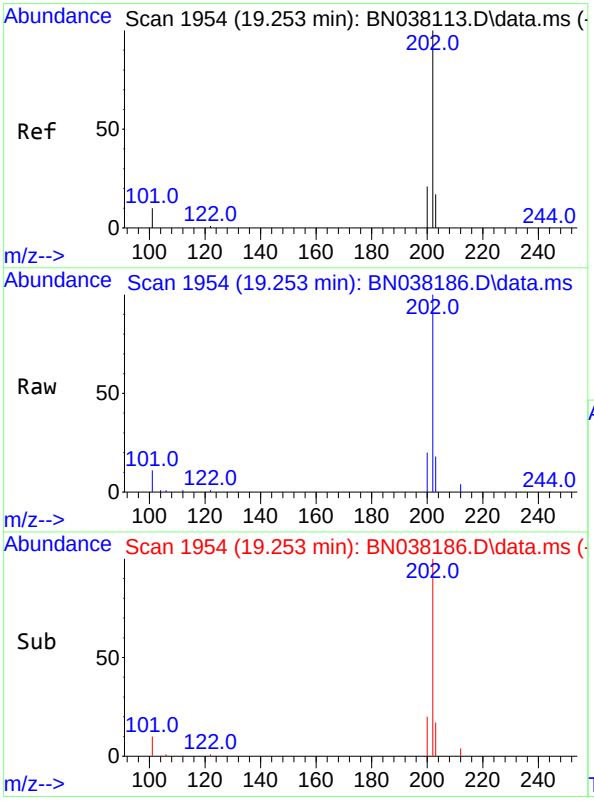
#27
Fluoranthene-d10
Concen: 0.277 ng
RT: 19.220 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:212 Resp: 14174

Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.6	19.0
104	9.4	7.1	10.7

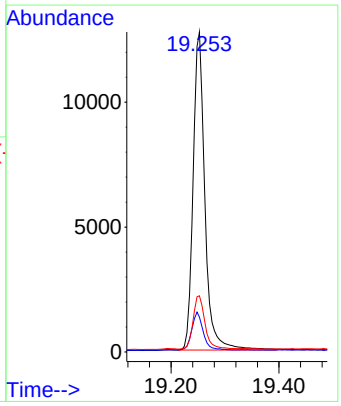


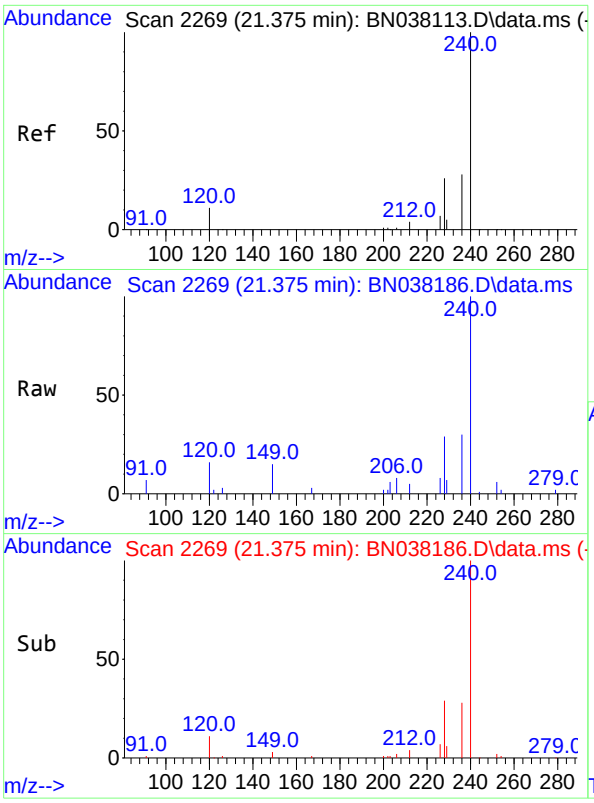


#28
Fluoranthene
Concen: 0.268 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:202 Resp: 19276

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.4	14.2
203	17.0	13.4	20.2



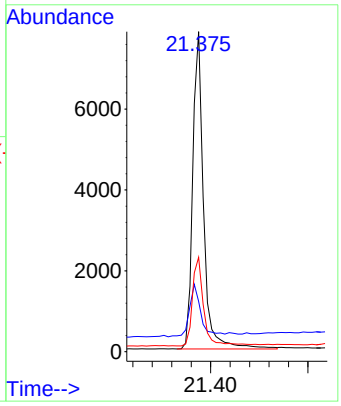


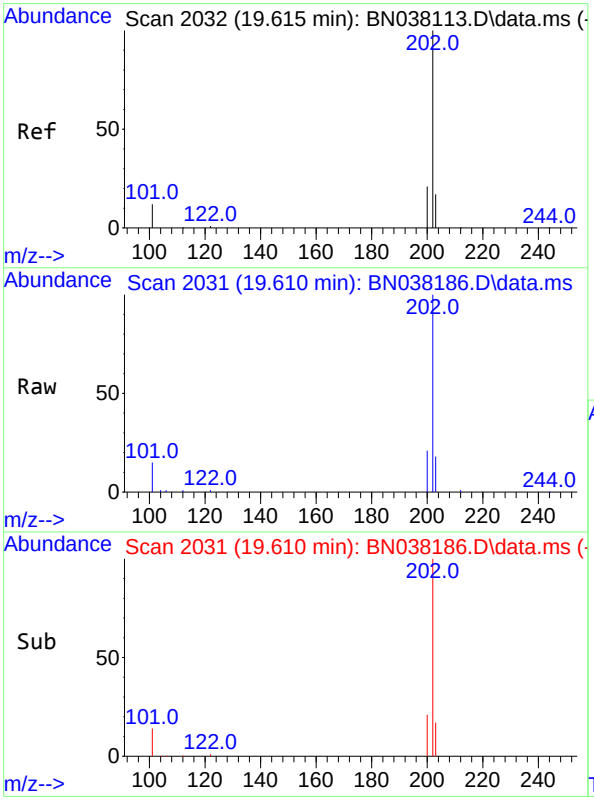
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:240 Resp: 12107

Ion	Ratio	Lower	Upper
240	100		
120	15.7	10.7	16.1
236	29.5	23.1	34.7

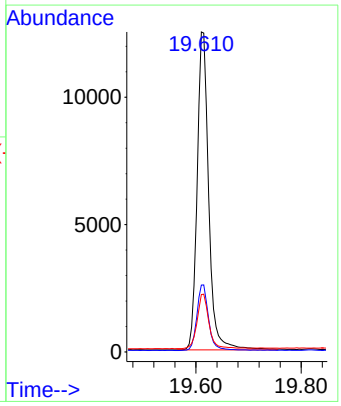


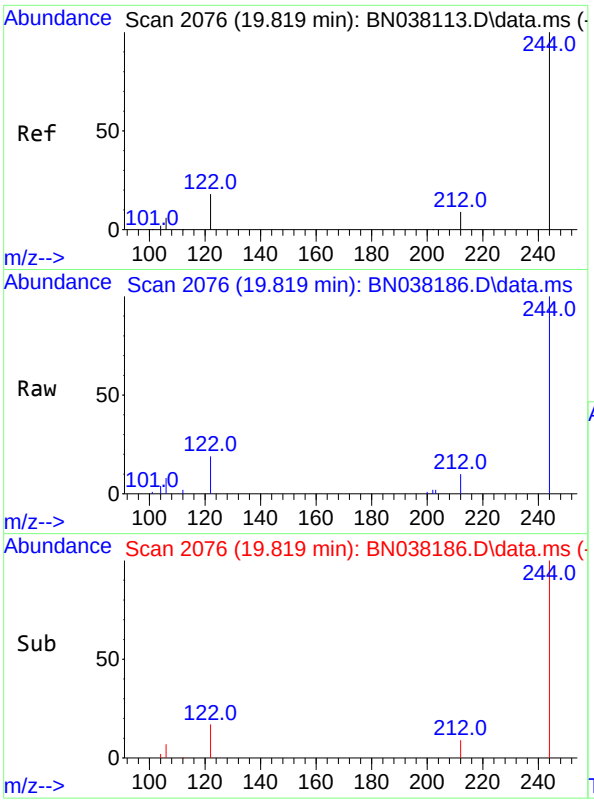


#30
Pyrene
Concen: 0.350 ng
RT: 19.610 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:202 Resp: 19106

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.3	14.2	21.2



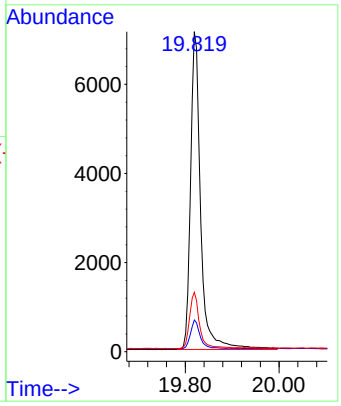


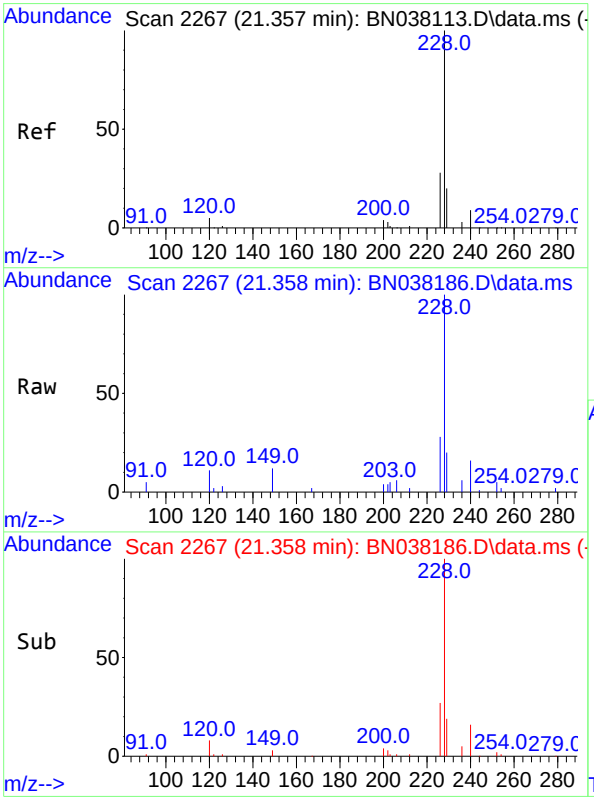
#31
Terphenyl-d14
Concen: 0.405 ng
RT: 19.819 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:244 Resp: 10666

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.8	11.6
122	18.5	15.2	22.8

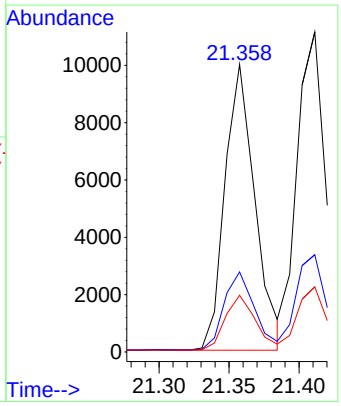


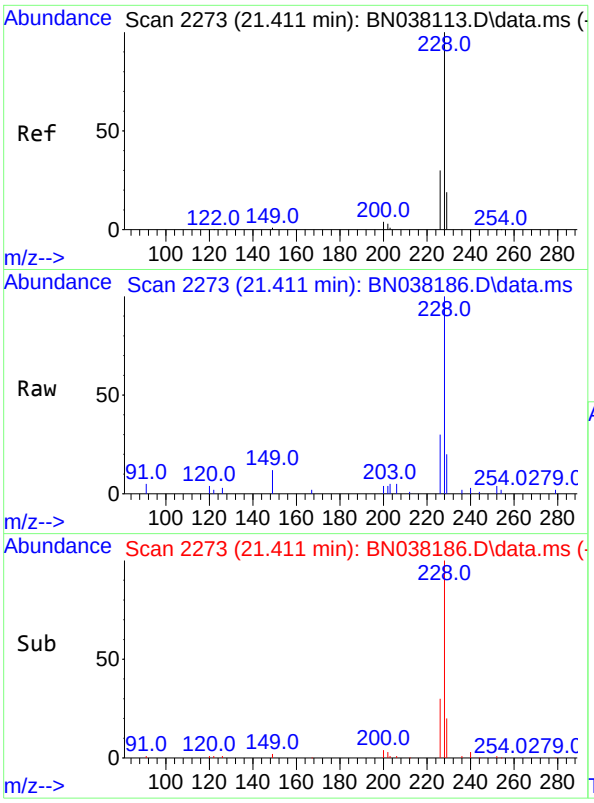


#32
Benzo(a)anthracene
Concen: 0.346 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:228 Resp: 14926

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	19.7	15.8	23.8



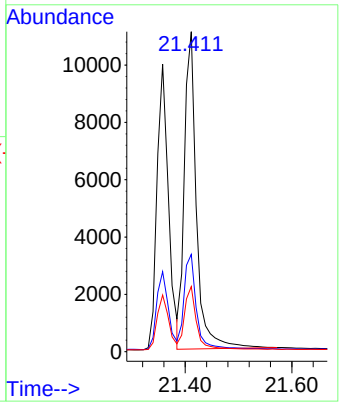


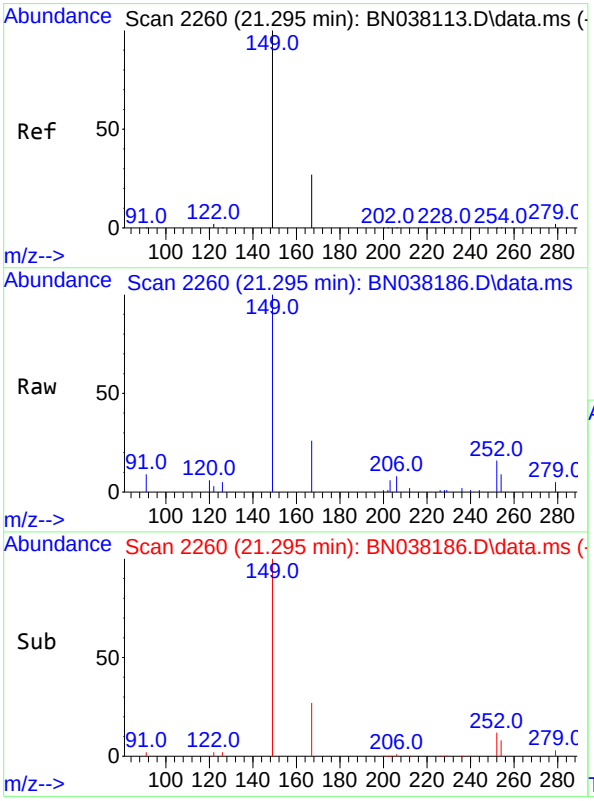
#33
Chrysene
Concen: 0.373 ng
RT: 21.411 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:228 Resp: 17480

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.3	15.7	23.5

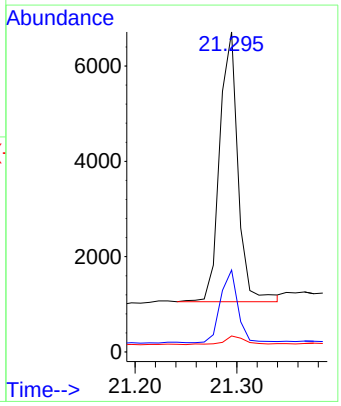


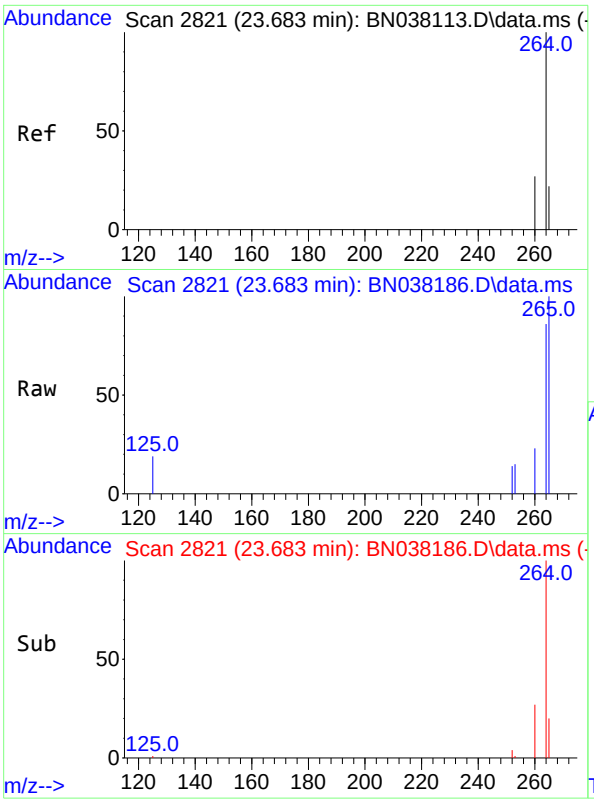


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.311 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:149 Resp: 7077

Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.1	31.7
279	3.6	2.9	4.3



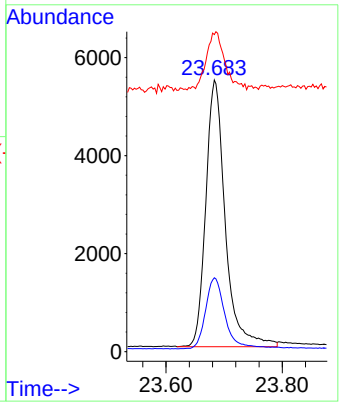


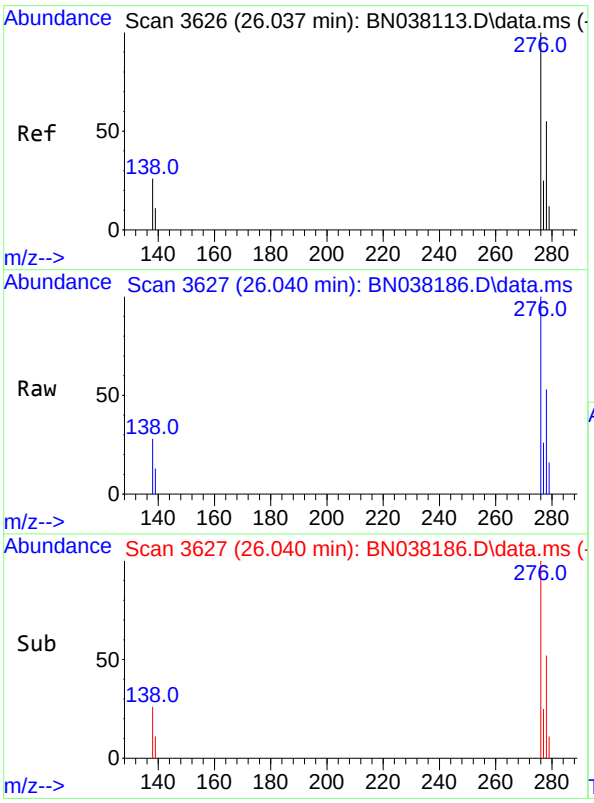
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:264 Resp: 12660

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.8	32.8
265	116.7	68.6	102.8#

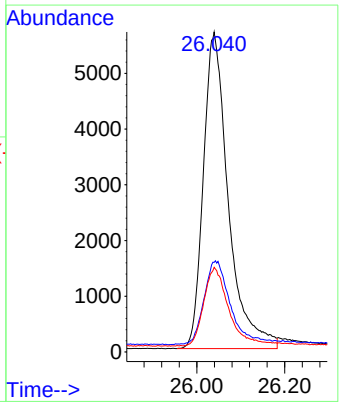


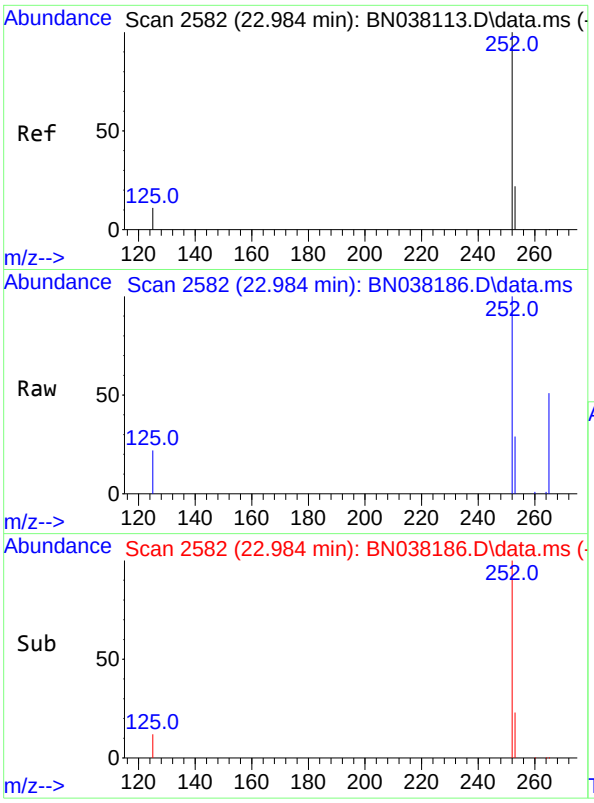


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 26.040 min Scan# 3627
Delta R.T. 0.006 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:276 Resp: 22426

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.4	32.0
277	24.9	19.2	28.8



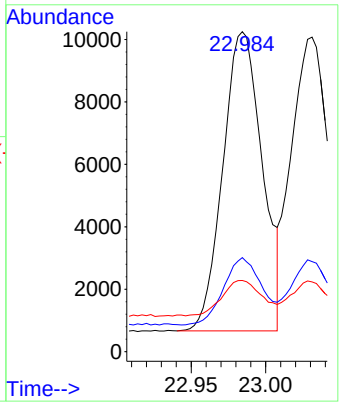


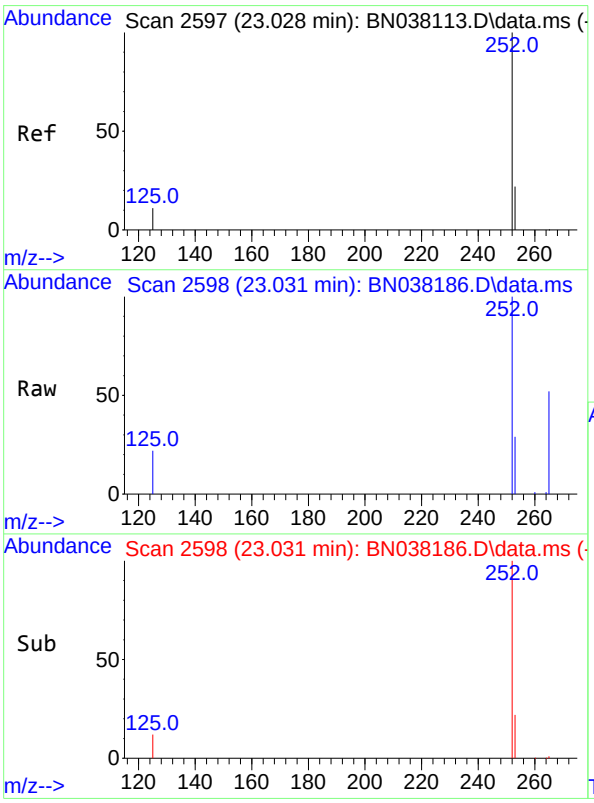
#37
Benzo(b)fluoranthene
Concen: 0.326 ng
RT: 22.984 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:252 Resp: 17625

Ion	Ratio	Lower	Upper
252	100		
253	29.4	20.9	31.3
125	22.3	14.1	21.1#

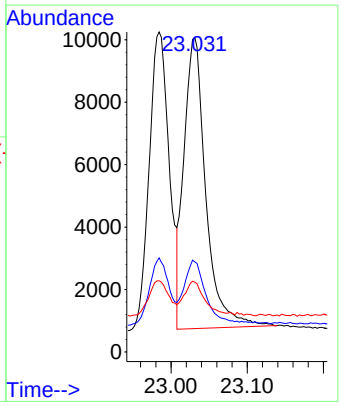


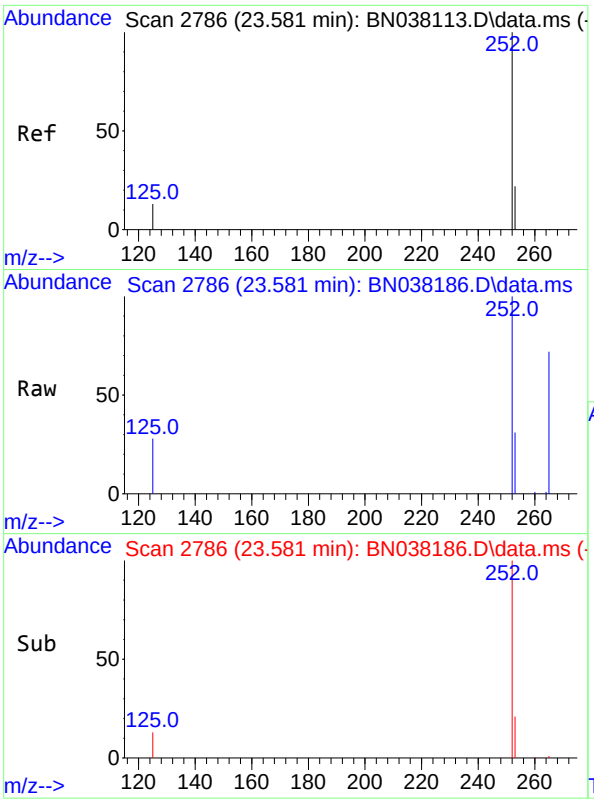


#38
Benzo(k)fluoranthene
Concen: 0.342 ng
RT: 23.031 min Scan# 2598
Delta R.T. 0.003 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:252 Resp: 18608

Ion	Ratio	Lower	Upper
252	100		
253	28.7	21.2	31.8
125	22.2	14.6	22.0#



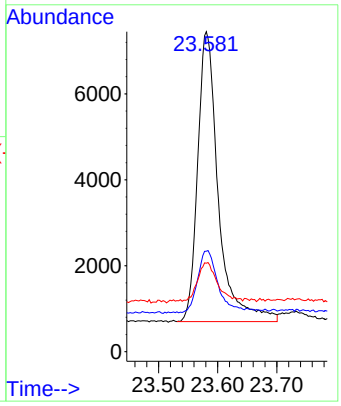


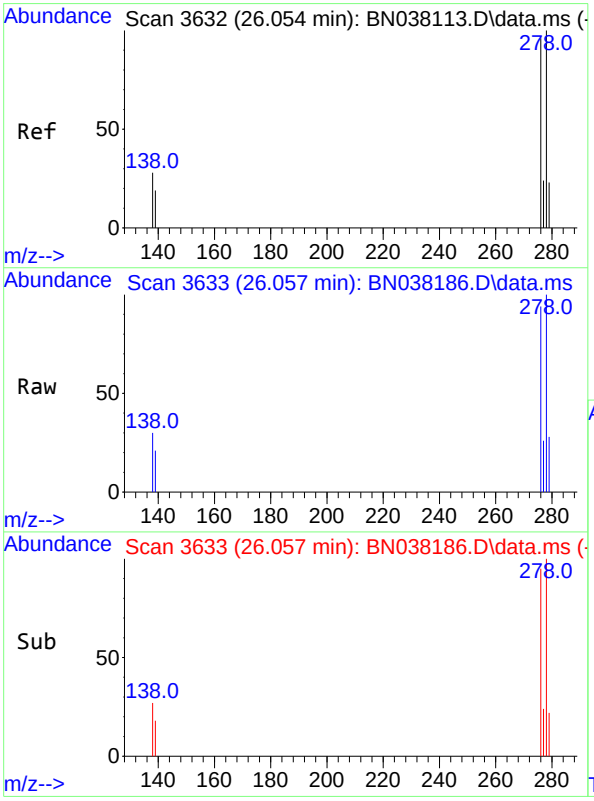
#39
Benzo(a)pyrene
Concen: 0.378 ng
RT: 23.581 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:252 Resp: 16391

Ion	Ratio	Lower	Upper
252	100		
253	31.4	23.1	34.7
125	27.7	18.6	28.0

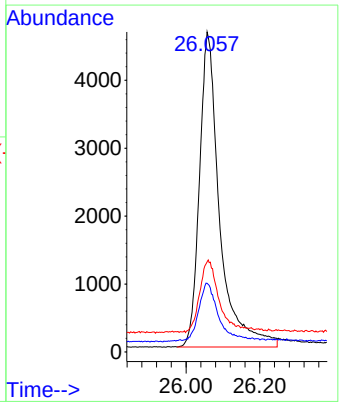


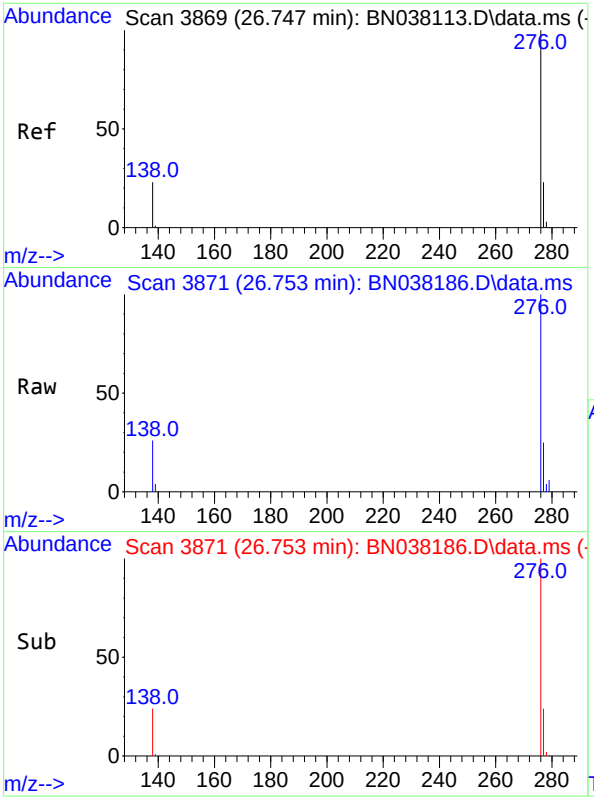


#40
Dibenzo(a,h)anthracene
Concen: 0.439 ng
RT: 26.057 min Scan# 3633
Delta R.T. 0.009 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:278 Resp: 17578

Ion	Ratio	Lower	Upper
278	100		
139	21.5	17.6	26.4
279	28.2	22.6	33.8





#41
Benzo(g,h,i)perylene
Concen: 0.432 ng
RT: 26.753 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:276 Resp: 19756

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.7	29.5
138	26.3	20.2	30.4