Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038343.D
Acq On : 12 Dec 2025 09:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	5196	0.400	ng		0.00
7) Naphthalene-d8	10.519	136	14288	0.400	ng		#-0.01
13) Acenaphthene-d10	14.387	164	7596	0.400	ng		-0.01
19) Phenanthrene-d10	17.148	188	14177	0.400	ng		0.00
29) Chrysene-d12	21.339	240	11670	0.400	ng		0.00
35) Perylene-d12	23.633	264	12444	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.290	112	5018	0.388	ng		0.00
5) Phenol-d6	6.886	99	6038	0.392	ng		0.00
8) Nitrobenzene-d5	8.875	82	4529	0.376	ng		0.00
11) 2-Methylnaphthalene-d10	12.126	152	7953	0.395	ng		0.00
14) 2,4,6-Tribromophenol	15.895	330	1211	0.359	ng		0.00
15) 2-Fluorobiphenyl	13.008	172	14661	0.401	ng		0.00
27) Fluoranthene-d10	19.183	212	14274	0.407	ng		0.00
31) Terphenyl-d14	19.787	244	9959	0.382	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.196	88	2538	0.426	ng		98
3) n-Nitrosodimethylamine	3.507	42	2757	0.369	ng	#	94
6) bis(2-Chloroethyl)ether	7.139	93	6110	0.406	ng		100
9) Naphthalene	10.573	128	16530	0.391	ng		100
10) Hexachlorobutadiene	10.872	225	2924	0.389	ng	#	100
12) 2-Methylnaphthalene	12.197	142	10559	0.394	ng		100
16) Acenaphthylene	14.110	152	14114	0.378	ng		99
17) Acenaphthene	14.452	154	9849	0.379	ng		97
18) Fluorene	15.446	166	12900	0.386	ng		100
20) 4,6-Dinitro-2-methylph...	15.522	198	182	0.078	ng	#	1
21) 4-Bromophenyl-phenylether	16.342	248	4006	0.381	ng		99
22) Hexachlorobenzene	16.453	284	4990	0.395	ng		98
23) Atrazine	16.615	200	2706	0.377	ng		98
24) Pentachlorophenol	16.801	266	912	0.185	ng		99
25) Phenanthrene	17.186	178	19077	0.387	ng		100
26) Anthracene	17.273	178	16452	0.387	ng		99
28) Fluoranthene	19.215	202	21105	0.402	ng		100
30) Pyrene	19.578	202	21243	0.370	ng		100
32) Benzo(a)anthracene	21.322	228	17188	0.381	ng		99
33) Chrysene	21.375	228	19898	0.401	ng		100
34) Bis(2-ethylhexyl)phtha...	21.268	149	8597	0.348	ng		100
36) Indeno(1,2,3-cd)pyrene	25.955	276	23803	0.360	ng		98
37) Benzo(b)fluoranthene	22.937	252	20494	0.359	ng		98
38) Benzo(k)fluoranthene	22.984	252	20086	0.352	ng		100
39) Benzo(a)pyrene	23.531	252	16745	0.358	ng		97
40) Dibenzo(a,h)anthracene	25.972	278	18552	0.364	ng		99
41) Benzo(g,h,i)perylene	26.659	276	20585	0.362	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038343.D
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Misc :
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Instrument :
BNA_N
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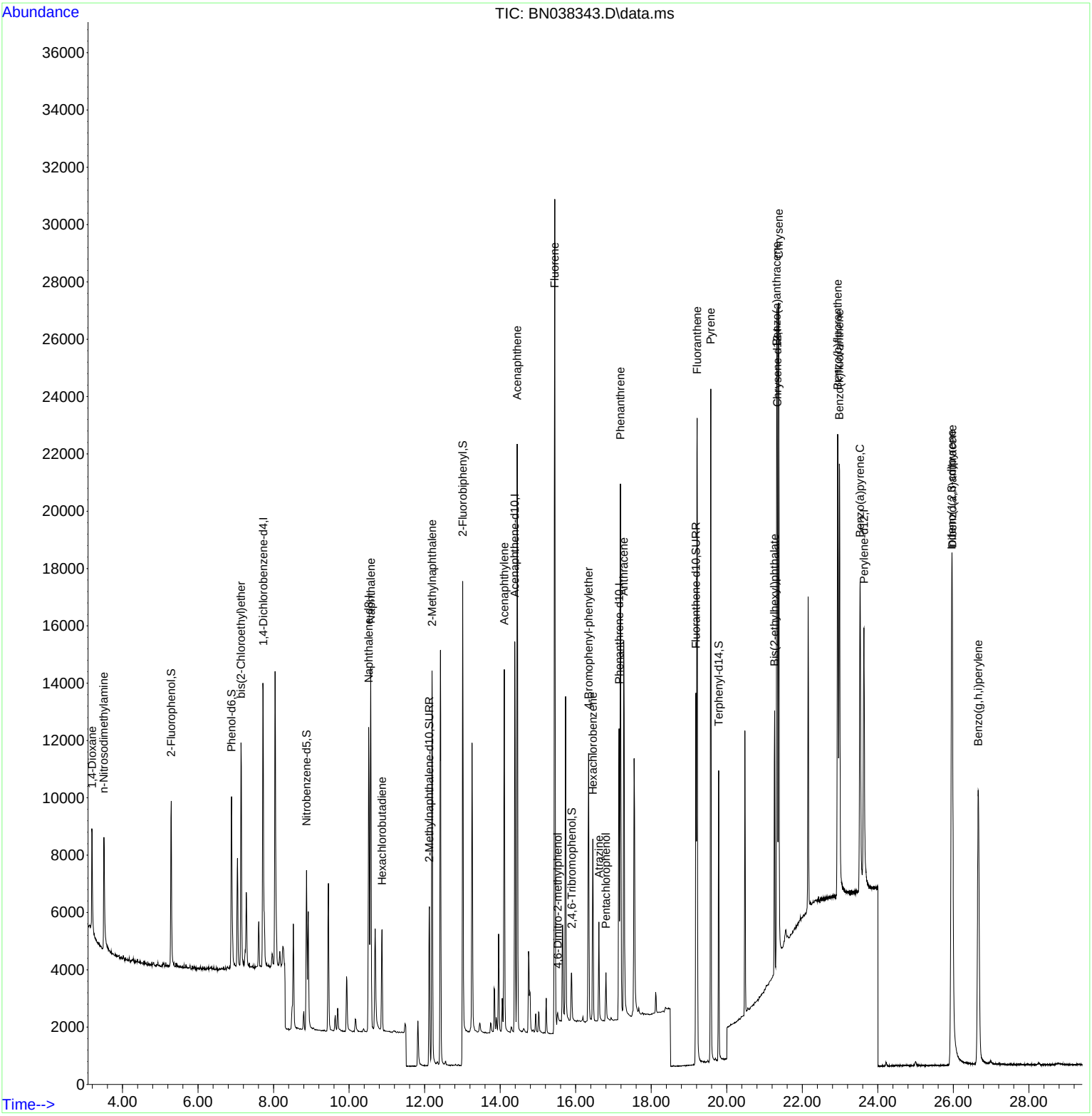
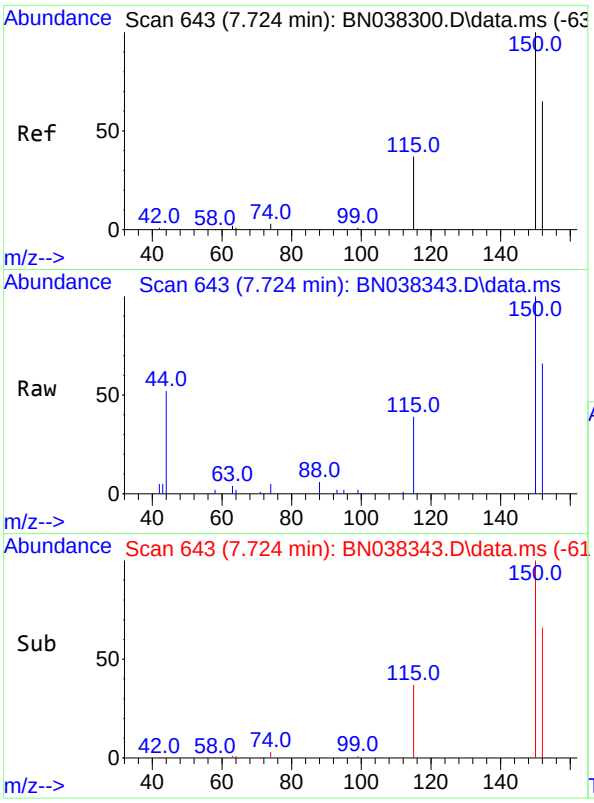
Quant Time: Dec 12 09:59:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



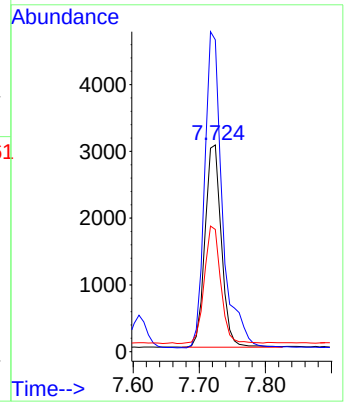


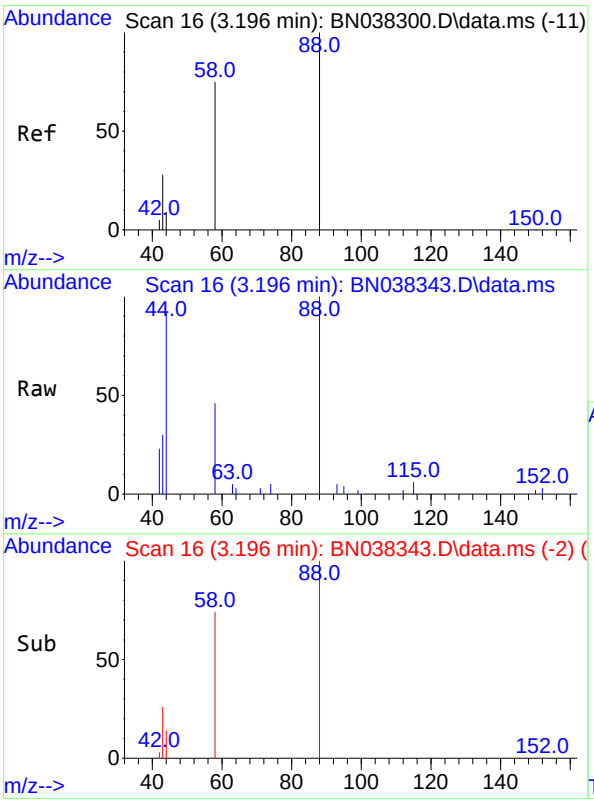
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5196

Ion	Ratio	Lower	Upper
152	100		
150	150.9	122.4	183.6
115	59.1	47.3	70.9

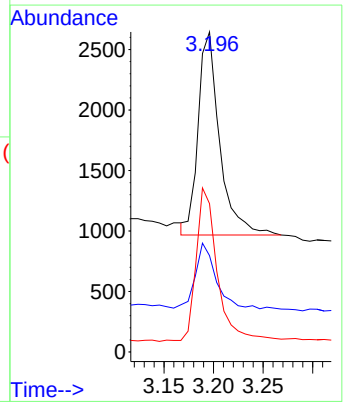


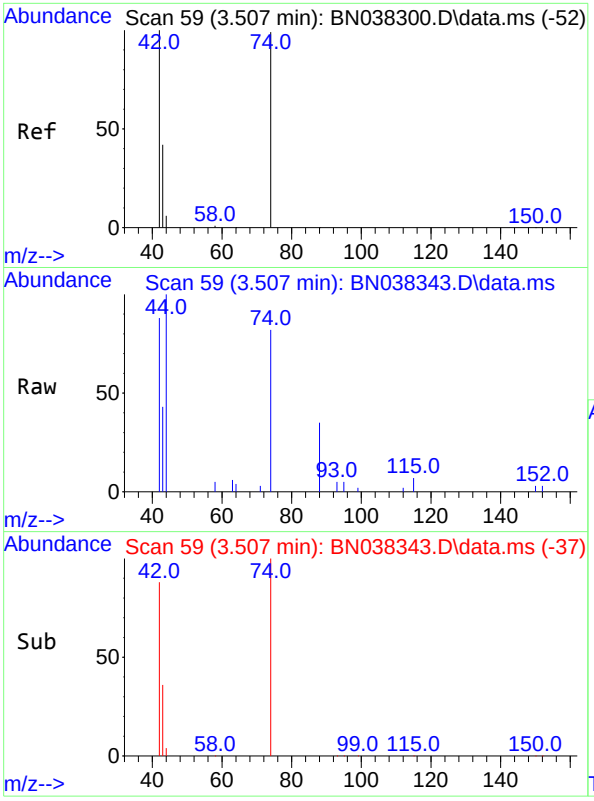


#2
1,4-Dioxane
Concen: 0.426 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion: 88 Resp: 2538

Ion	Ratio	Lower	Upper
88	100		
43	31.6	24.9	37.3
58	74.9	61.4	92.0



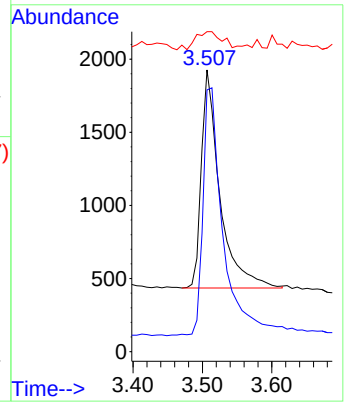


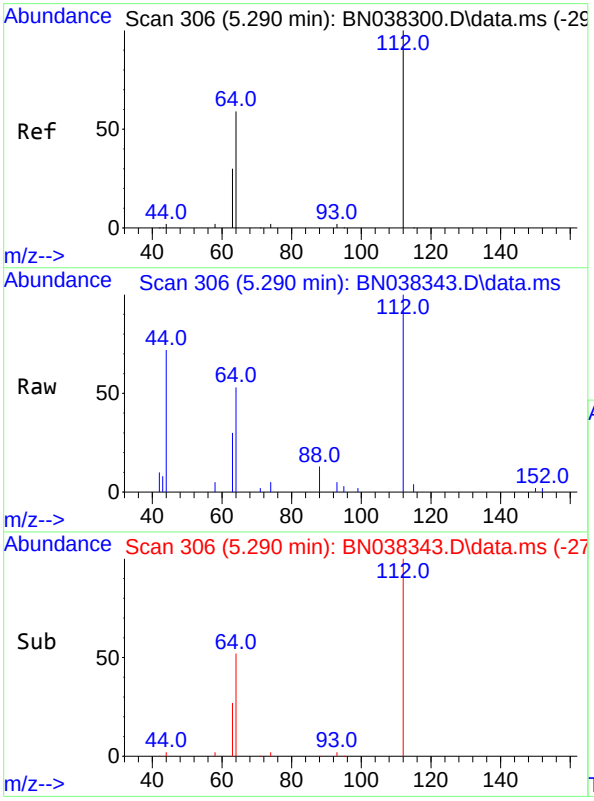
#3
n-Nitrosodimethylamine
Concen: 0.369 ng
RT: 3.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2757

Ion	Ratio	Lower	Upper
42	100		
74	125.6	95.3	142.9
44	12.9	7.9	11.9#

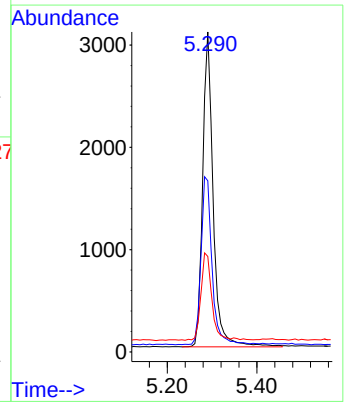


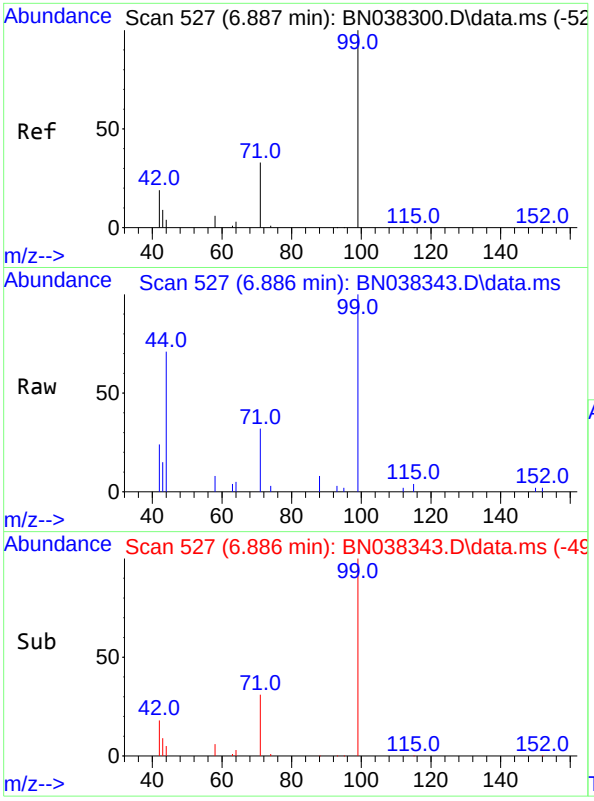


#4
2-Fluorophenol
Concen: 0.388 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:112 Resp: 5018

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.4	66.6
63	28.1	23.4	35.0



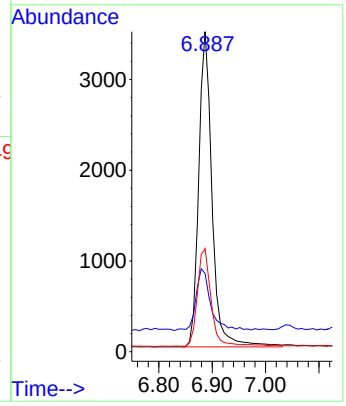


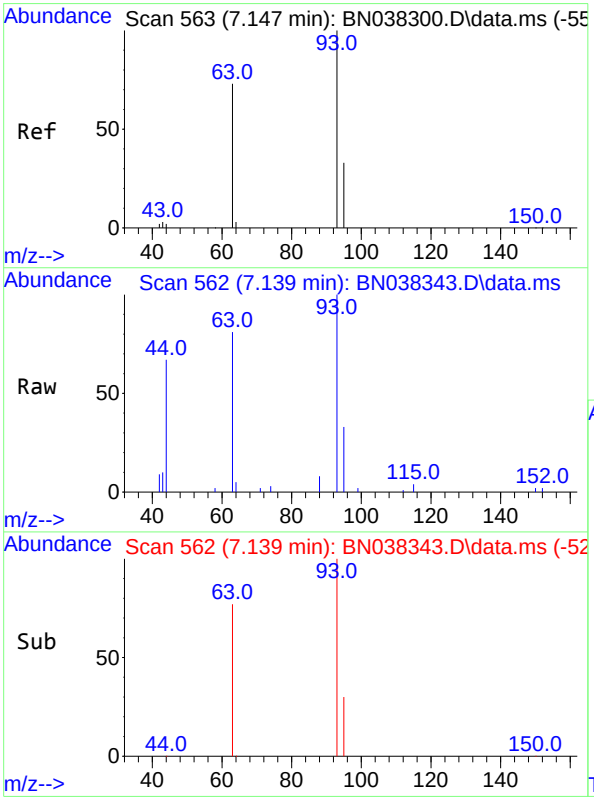
#5
Phenol-d6
Concen: 0.392 ng
RT: 6.886 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 6038

Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.5	24.7
71	31.1	24.9	37.3

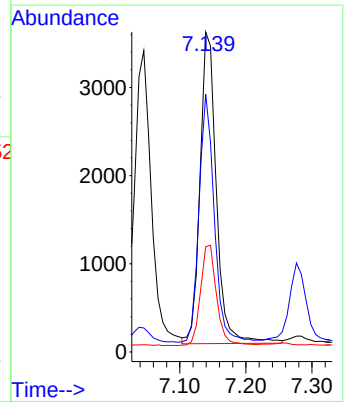


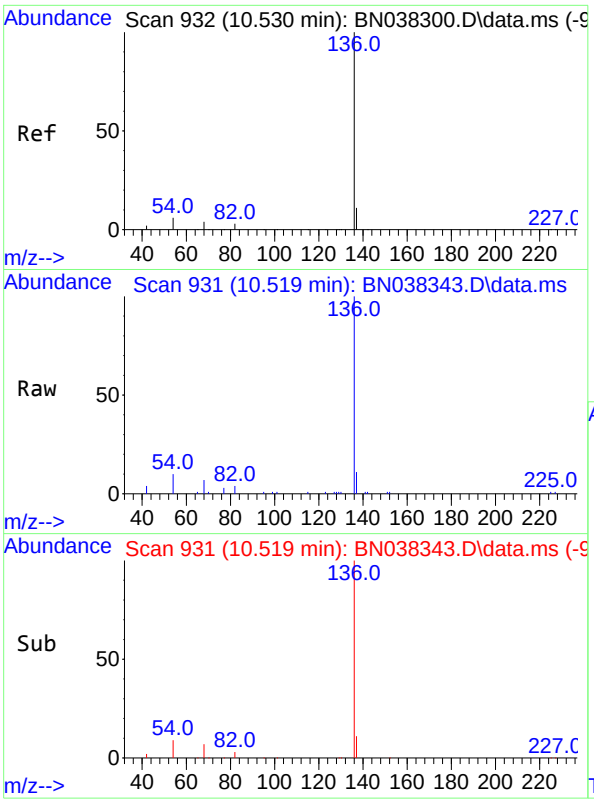


#6
bis(2-Chloroethyl)ether
Concen: 0.406 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion: 93 Resp: 6110

Ion	Ratio	Lower	Upper
93	100		
63	73.9	59.2	88.8
95	31.5	25.2	37.8



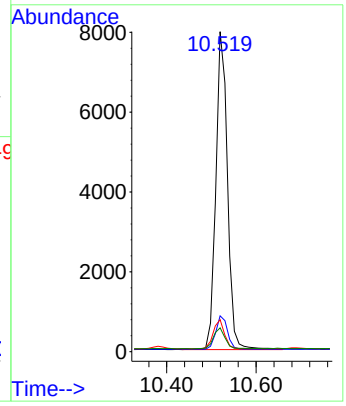


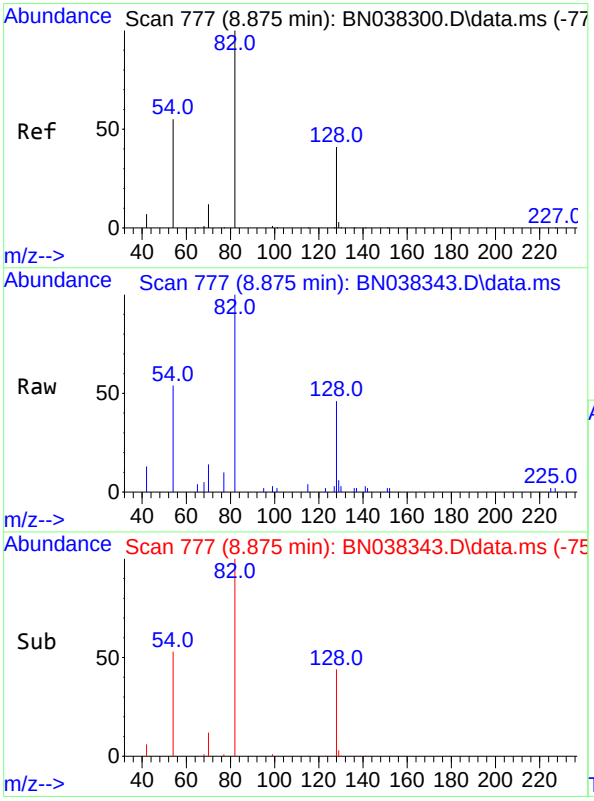
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 14288

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.0	5.2	7.8#
68	7.4	4.1	6.1#

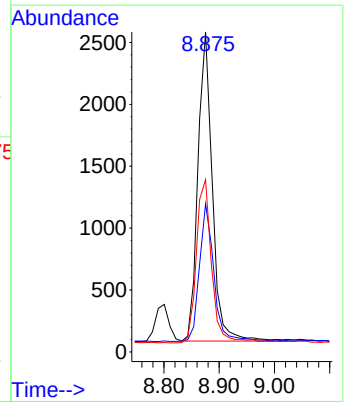


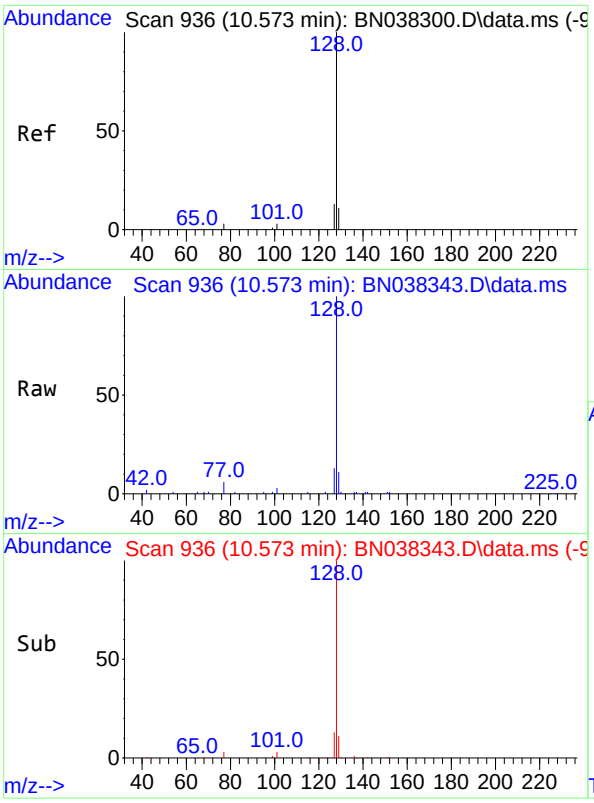


#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion: 82 Resp: 4529

Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	53.8	44.4	66.6



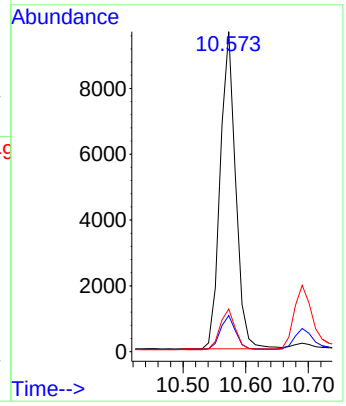


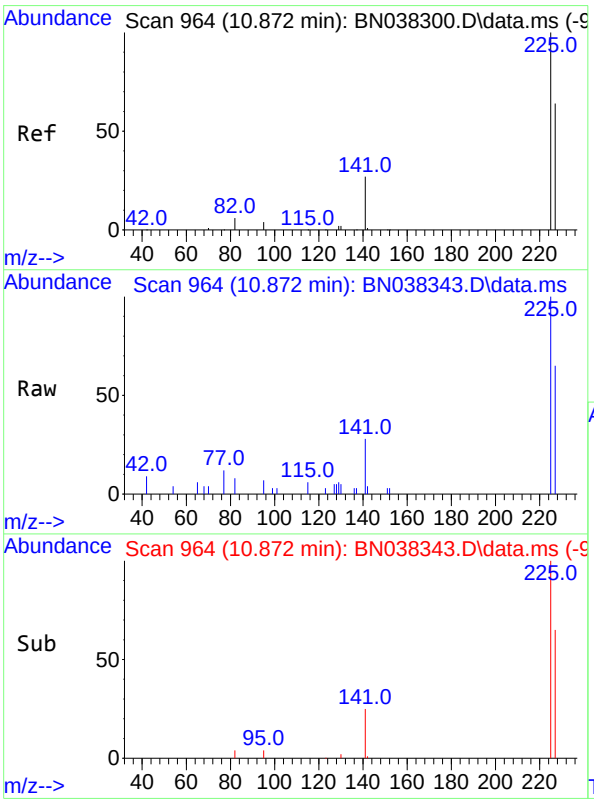
#9
Naphthalene
Concen: 0.391 ng
RT: 10.573 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 16530

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.3	10.9	16.3

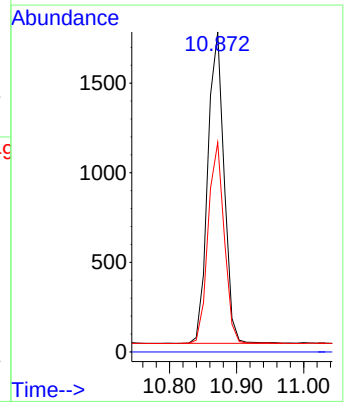


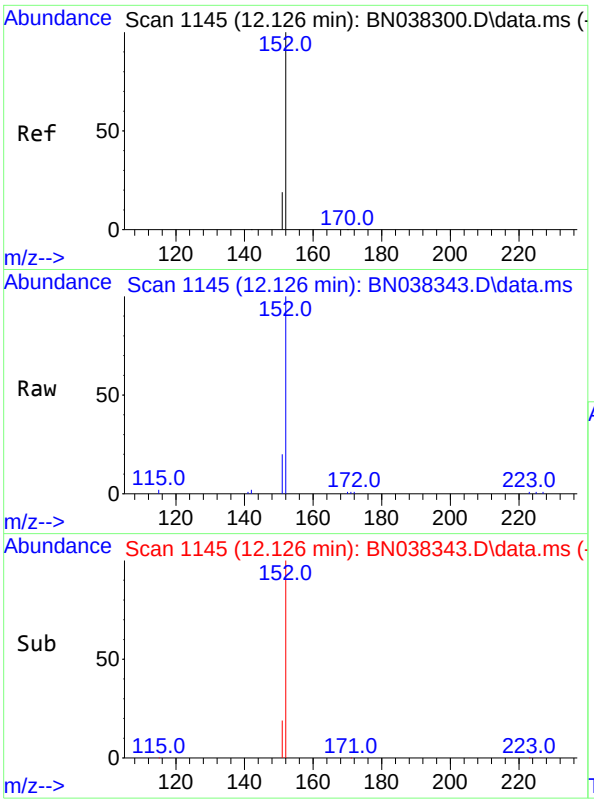


#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:225 Resp: 2924

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.2	76.8



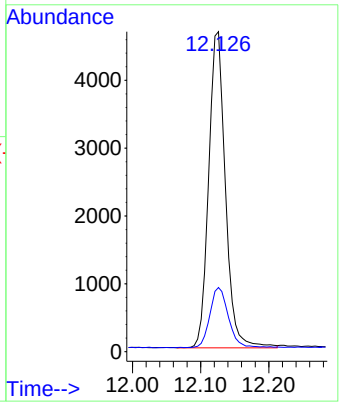


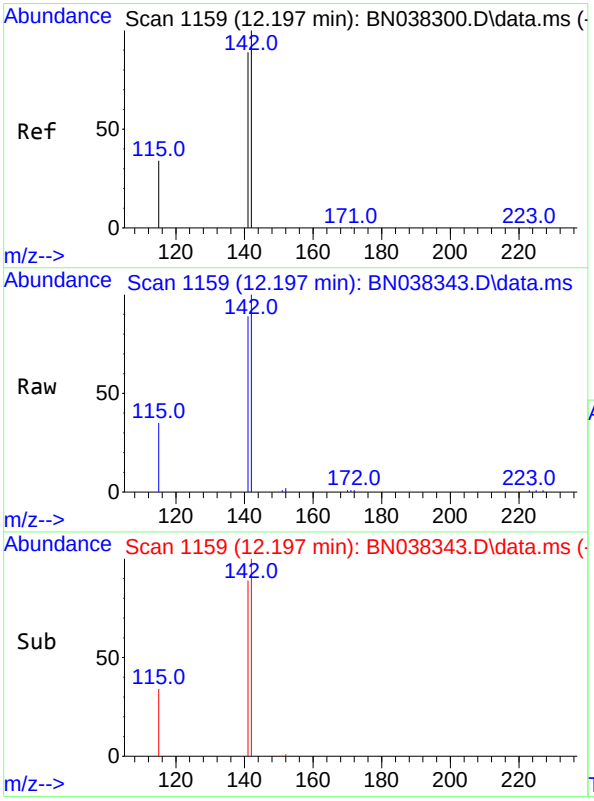
#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.126 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7953

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6

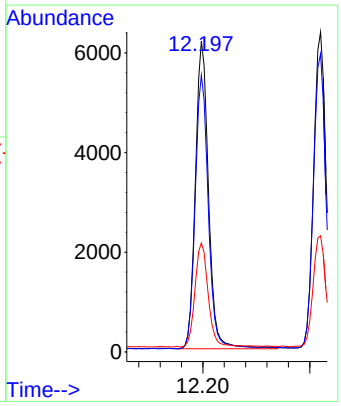


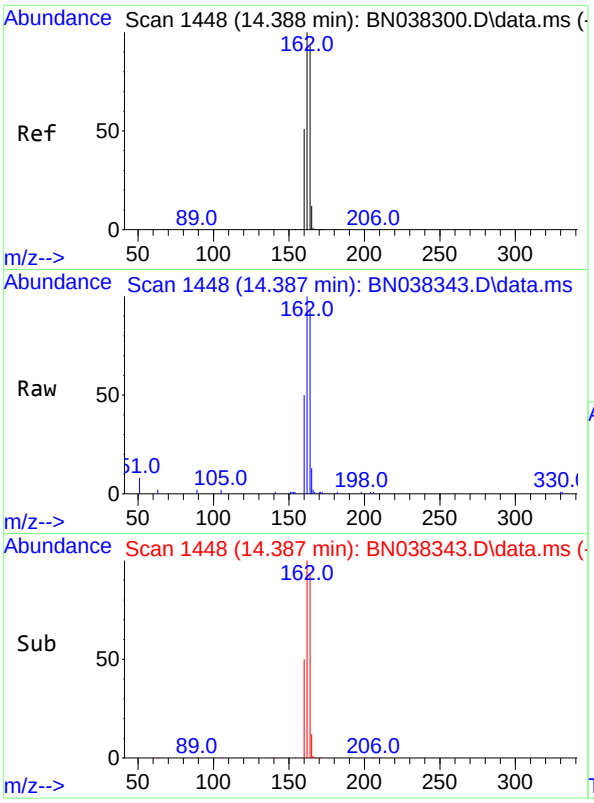


#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:142 Resp: 10559

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.2
115	35.1	28.4	42.6



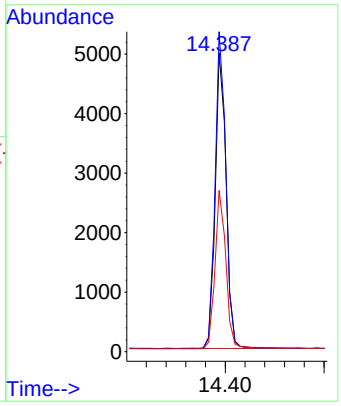


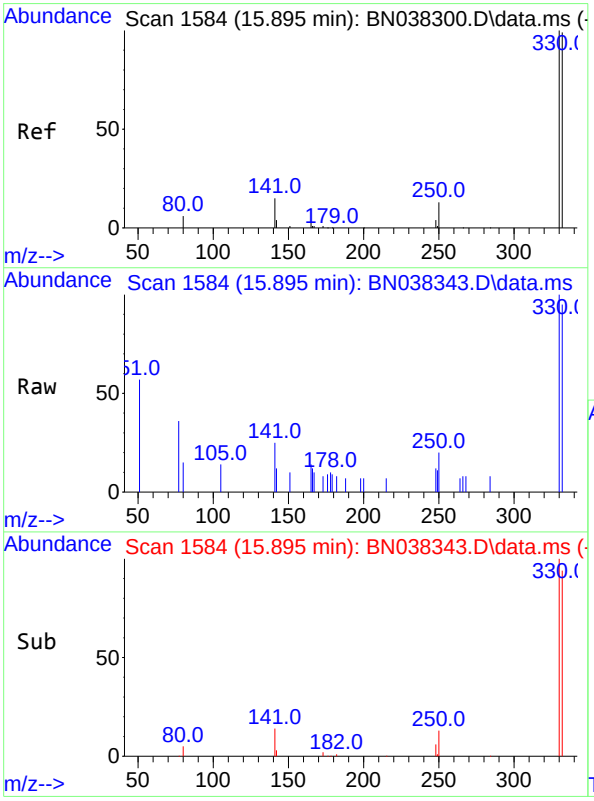
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7596

Ion	Ratio	Lower	Upper
164	100		
162	107.1	86.2	129.4
160	54.0	44.6	67.0

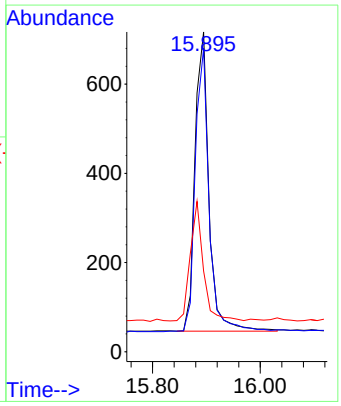


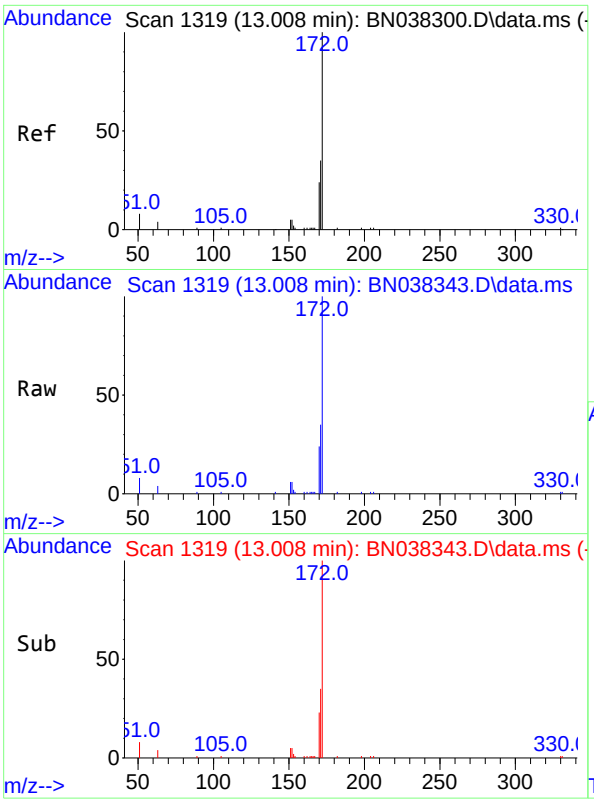


#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:330 Resp: 1211

Ion	Ratio	Lower	Upper
330	100		
332	94.1	75.8	113.6
141	37.2	31.8	47.8



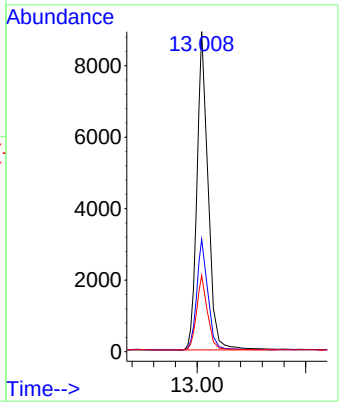


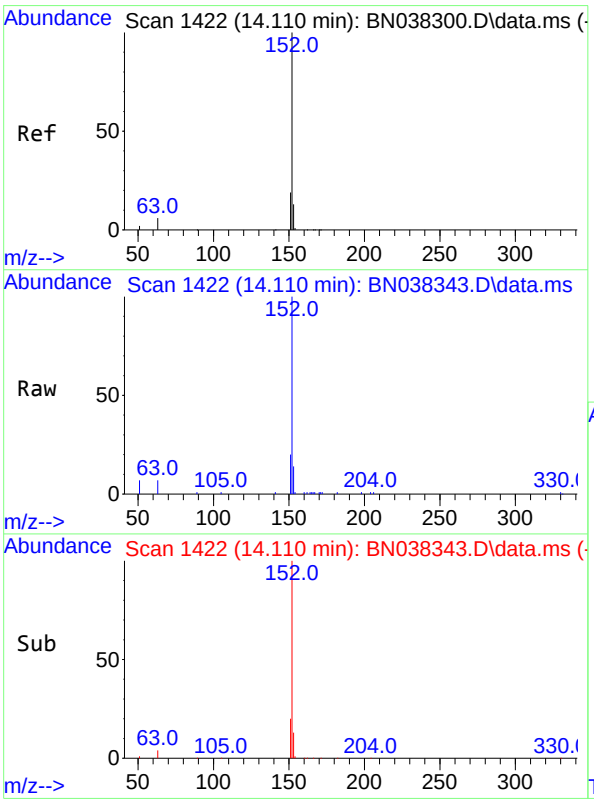
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14661

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.8	19.3	28.9

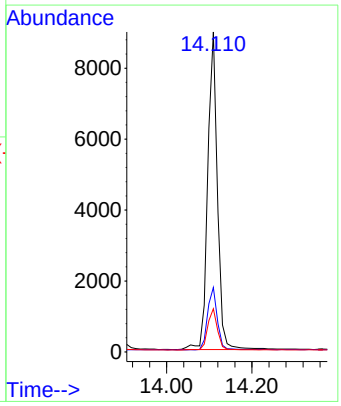


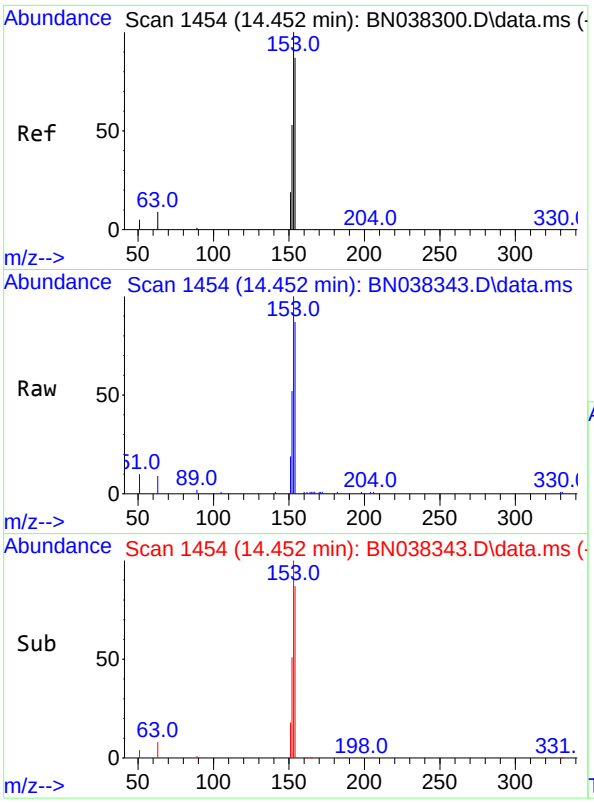


#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:152 Resp: 14114

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.2	10.2	15.4



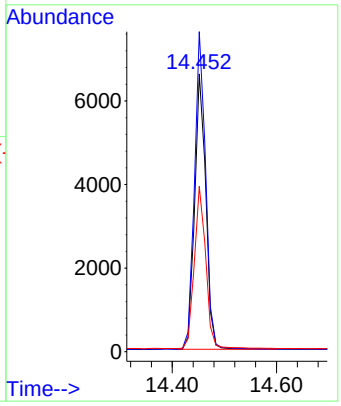


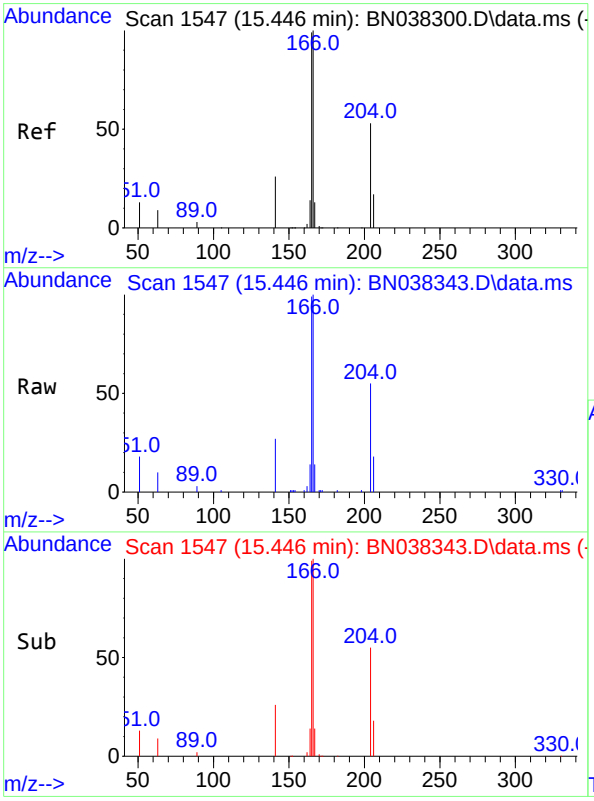
#17
Acenaphthene
Concen: 0.379 ng
RT: 14.452 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9849

Ion	Ratio	Lower	Upper
154	100		
153	115.5	89.8	134.8
152	61.0	47.5	71.3

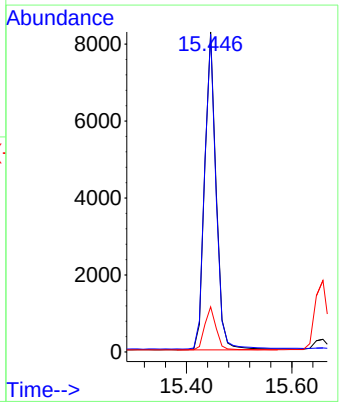


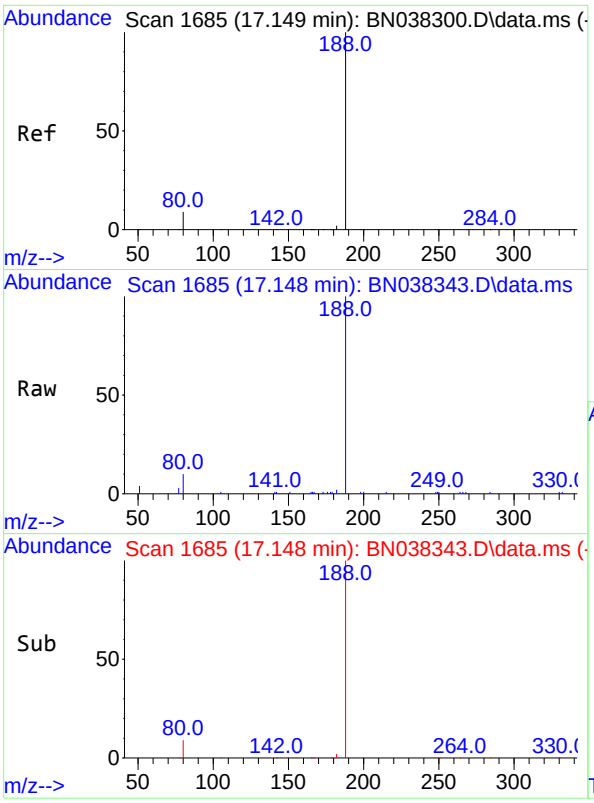


#18
Fluorene
Concen: 0.386 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:166 Resp: 12900

Ion	Ratio	Lower	Upper
166	100		
165	100.1	80.2	120.4
167	13.7	10.6	16.0



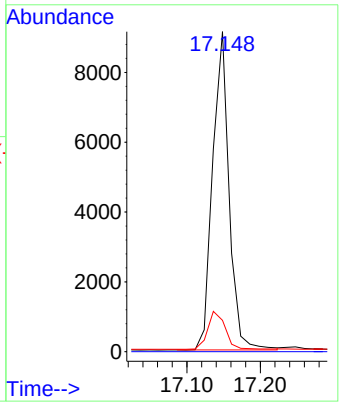


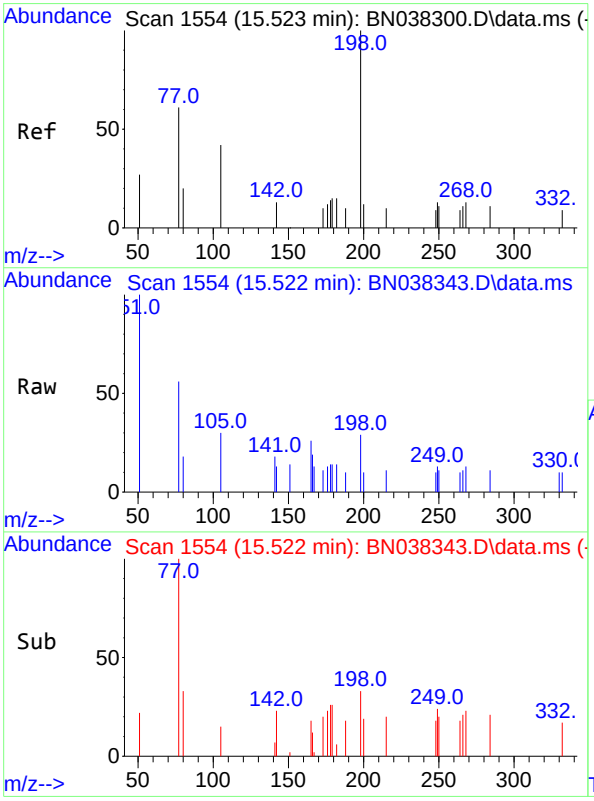
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 14177

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	7.4	11.0

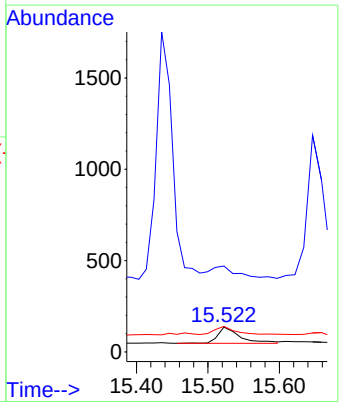


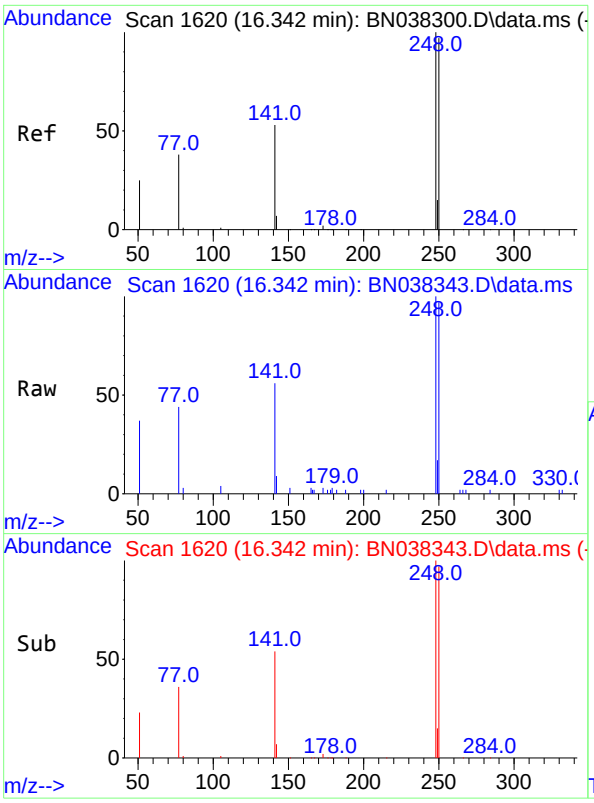


#20
4,6-Dinitro-2-methylphenol
Concen: 0.078 ng
RT: 15.522 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:198 Resp: 182

Ion	Ratio	Lower	Upper
198	100		
51	348.1	86.3	129.5#
105	103.7	45.3	67.9#



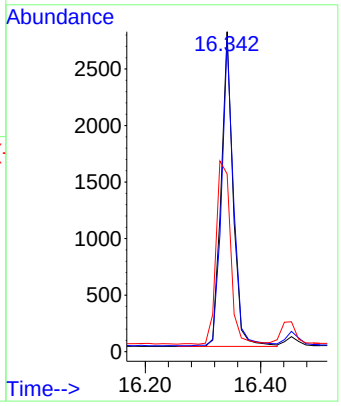


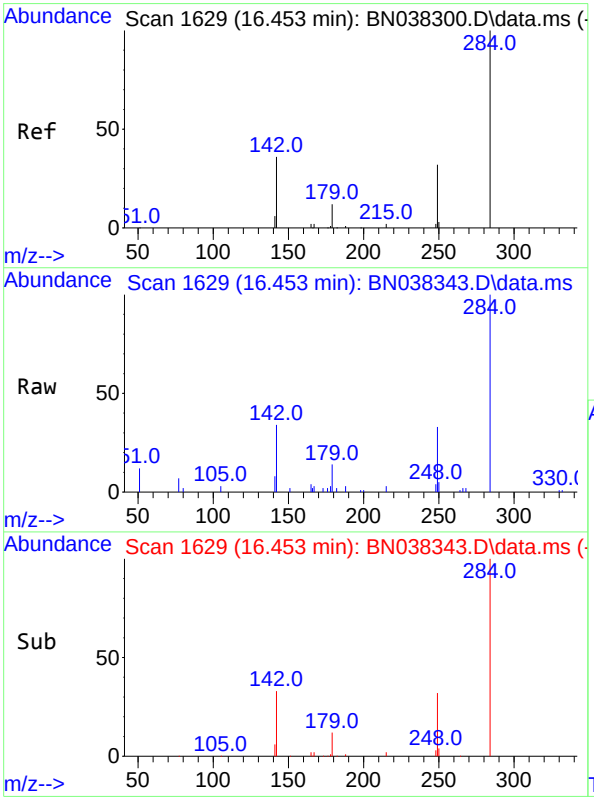
#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.342 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4006

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.2	117.2
141	55.5	43.7	65.5

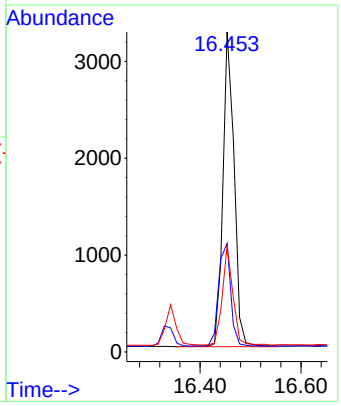


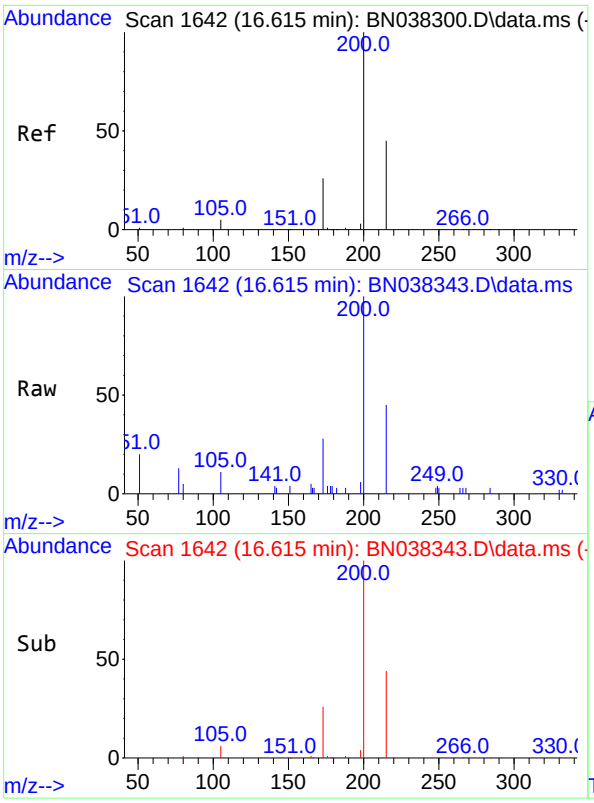


#22
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:284 Resp: 4990

Ion	Ratio	Lower	Upper
284	100		
142	35.4	29.5	44.3
249	30.1	23.7	35.5



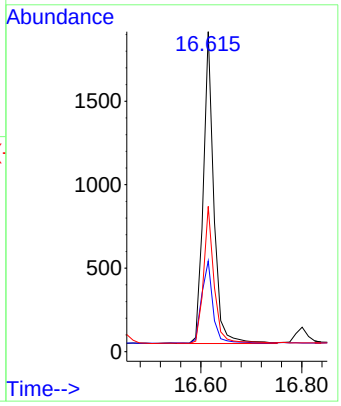


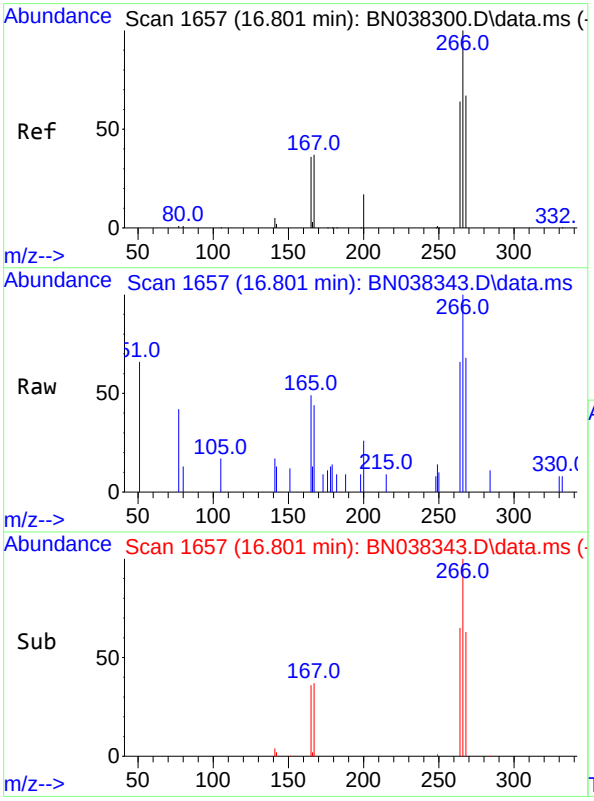
#23
Atrazine
Concen: 0.377 ng
RT: 16.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2706

Ion	Ratio	Lower	Upper
200	100		
173	28.3	22.1	33.1
215	45.4	37.4	56.2

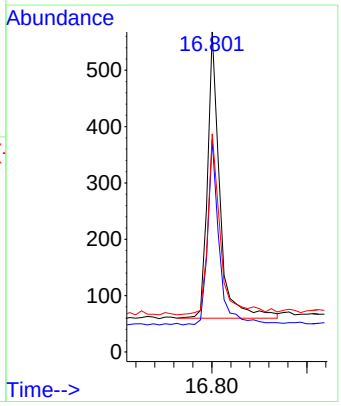


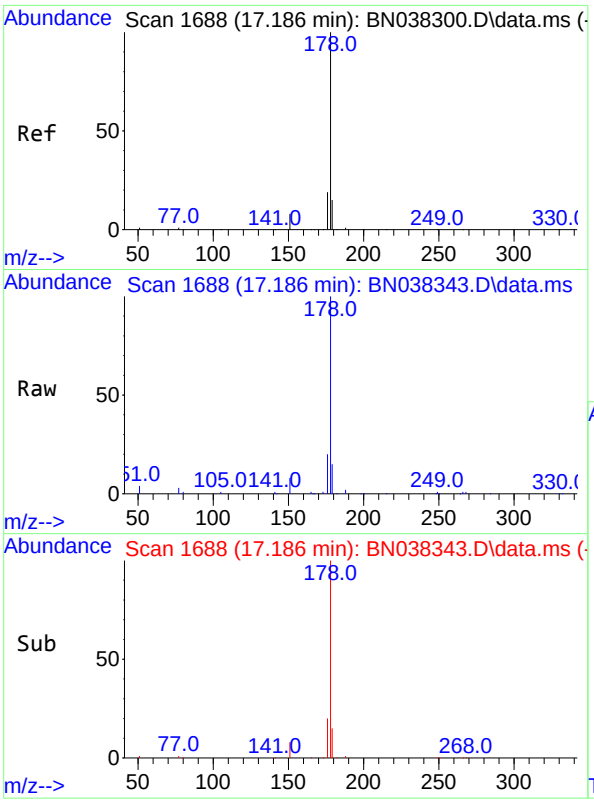


#24
Pentachlorophenol
Concen: 0.185 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:266 Resp: 912

Ion	Ratio	Lower	Upper
266	100		
264	61.6	50.2	75.2
268	64.5	52.6	78.8



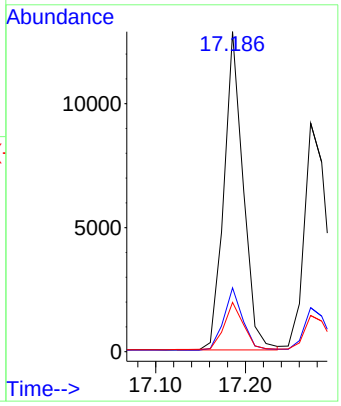


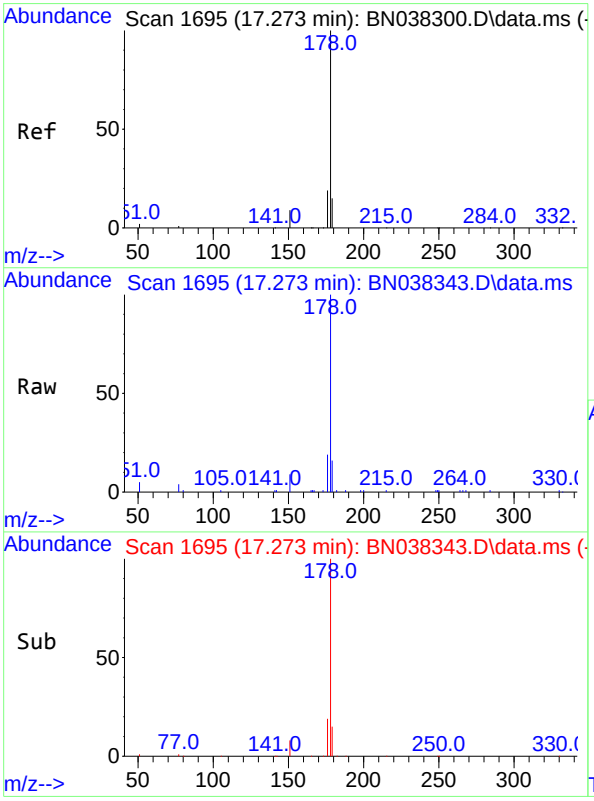
#25
Phenanthrene
Concen: 0.387 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 19077

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.2	12.2	18.2

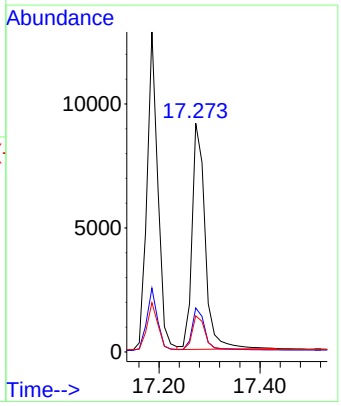


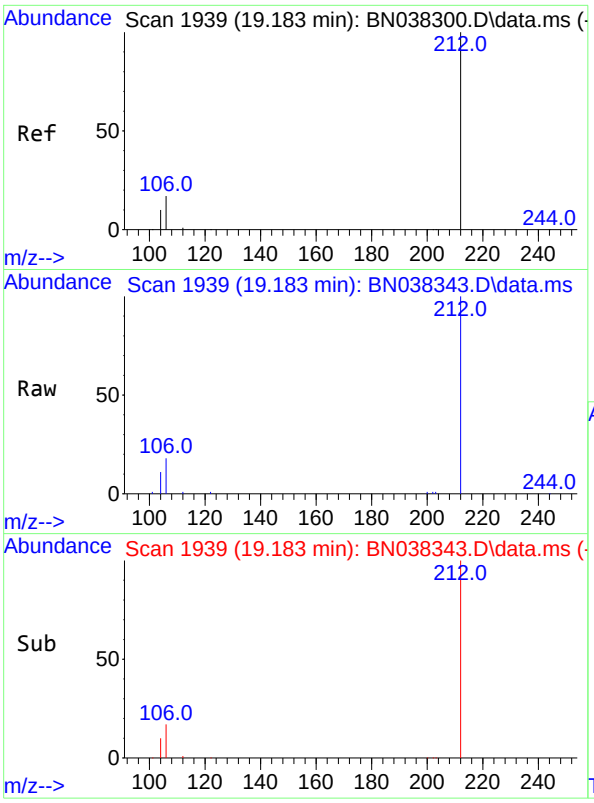


#26
Anthracene
Concen: 0.387 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:178 Resp: 16452

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.3	12.0	18.0



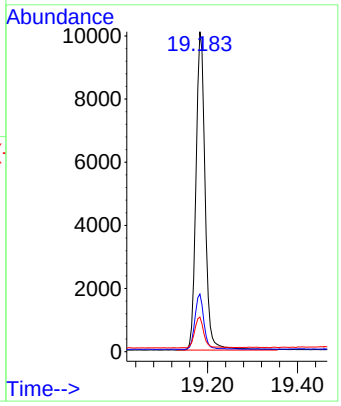


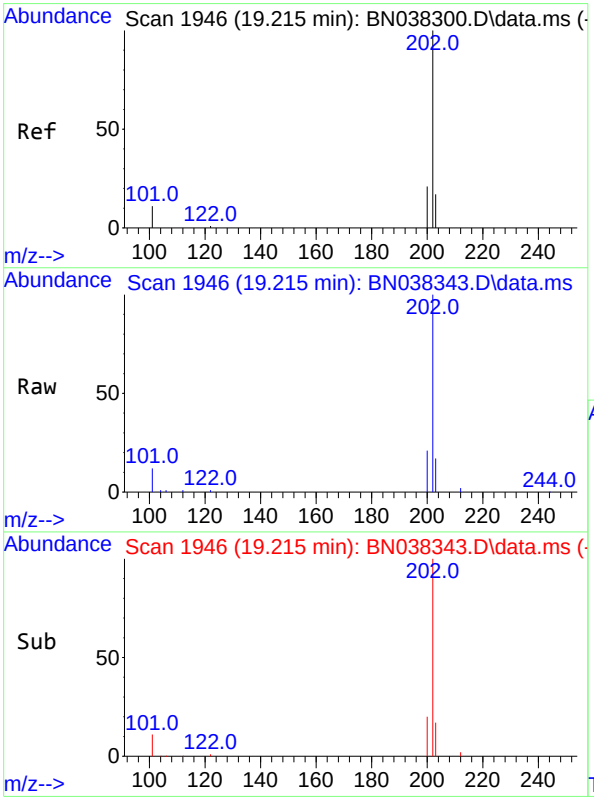
#27
Fluoranthene-d10
Concen: 0.407 ng
RT: 19.183 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 14274

Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.8	7.8	11.8

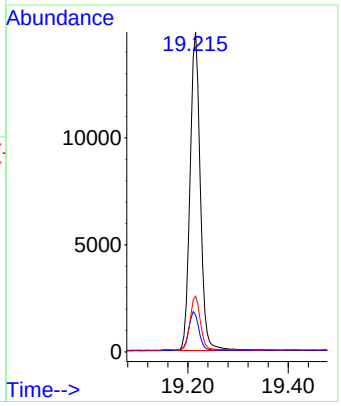


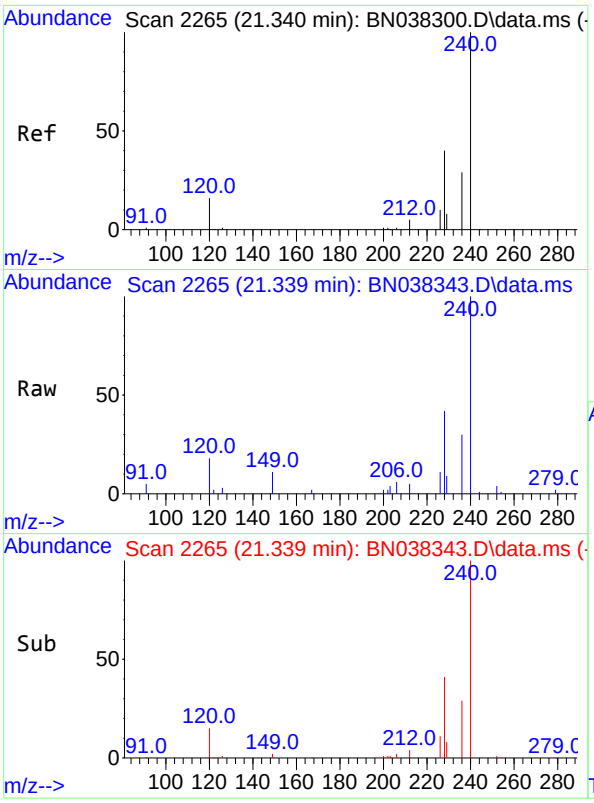


#28
Fluoranthene
Concen: 0.402 ng
RT: 19.215 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:202 Resp: 21105

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.6	14.4
203	16.8	13.5	20.3



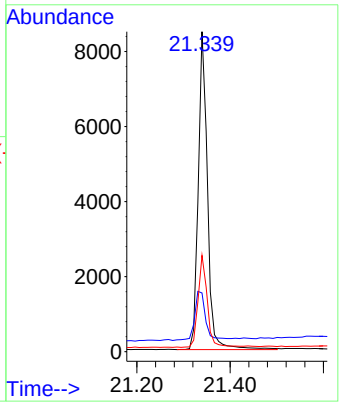


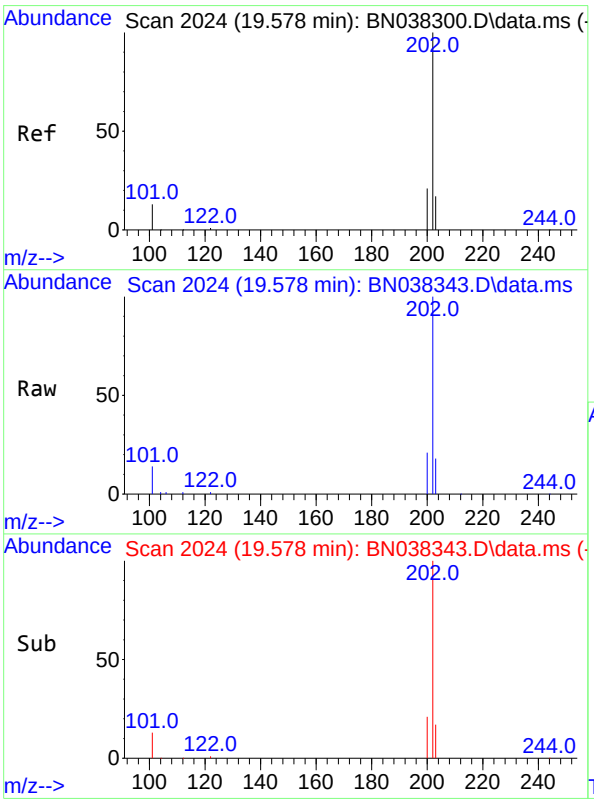
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 11670

Ion	Ratio	Lower	Upper
240	100		
120	18.3	15.4	23.2
236	30.1	23.9	35.9

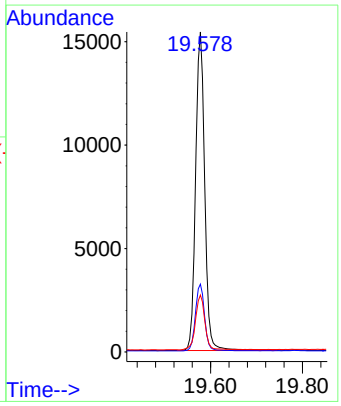


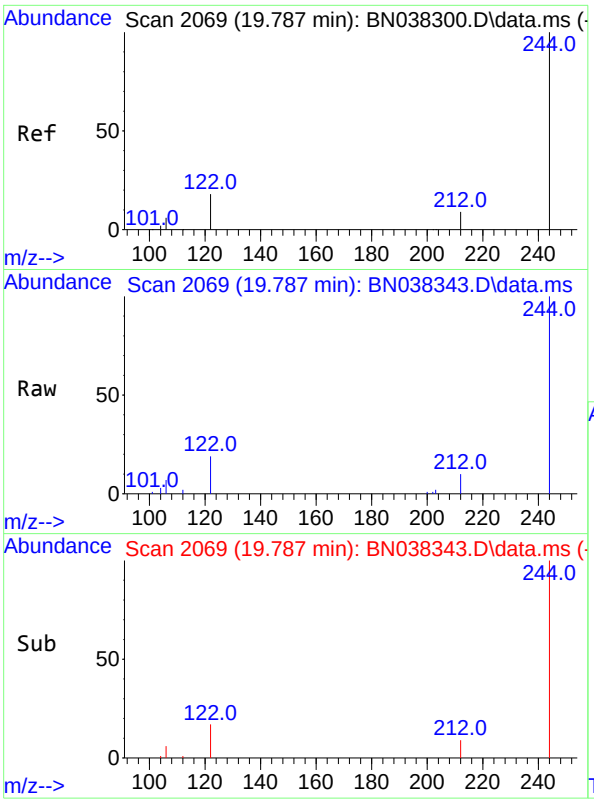


#30
Pyrene
Concen: 0.370 ng
RT: 19.578 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:202 Resp: 21243

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.7	14.2	21.2



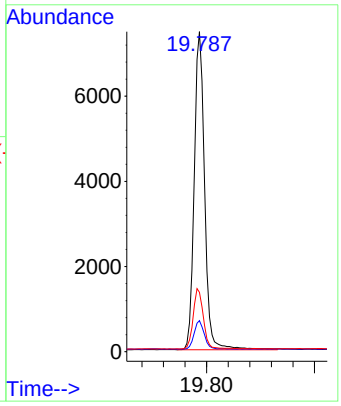


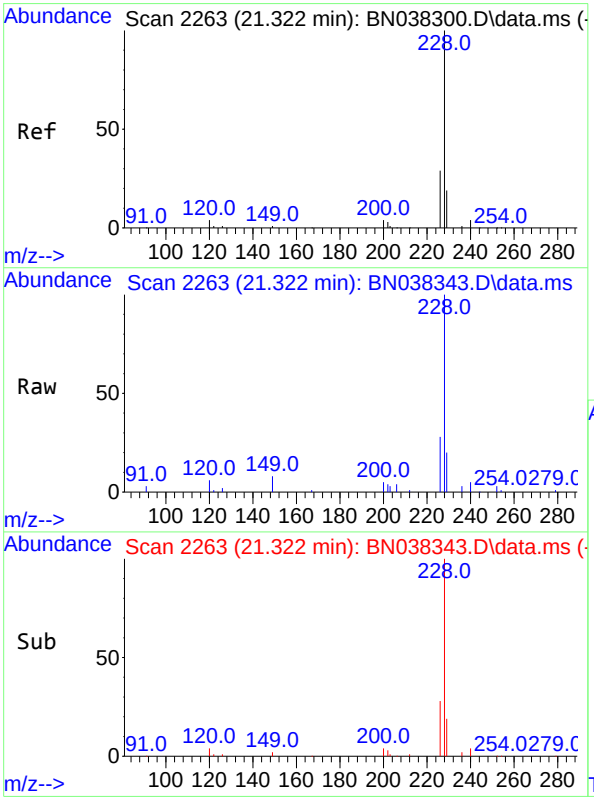
#31
Terphenyl-d14
Concen: 0.382 ng
RT: 19.787 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 9959

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	18.6	15.0	22.6

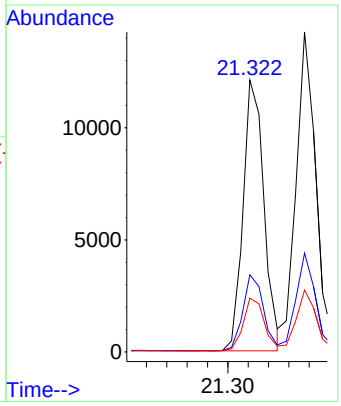


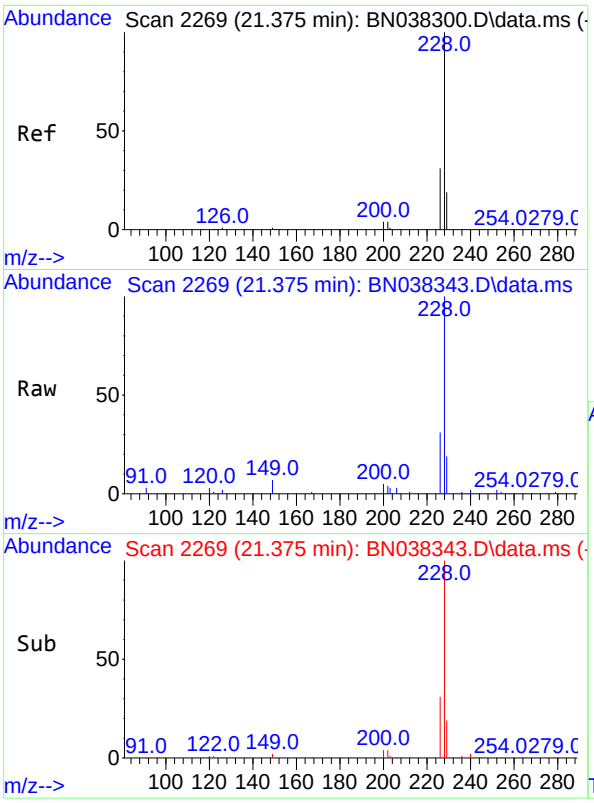


#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:228 Resp: 17188

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.3	34.9
229	19.7	15.7	23.5



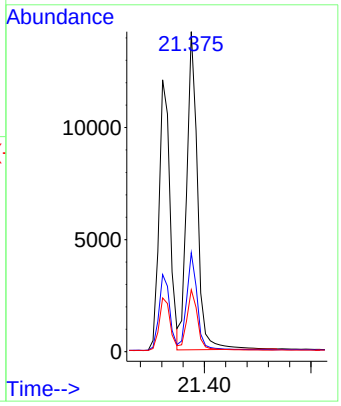


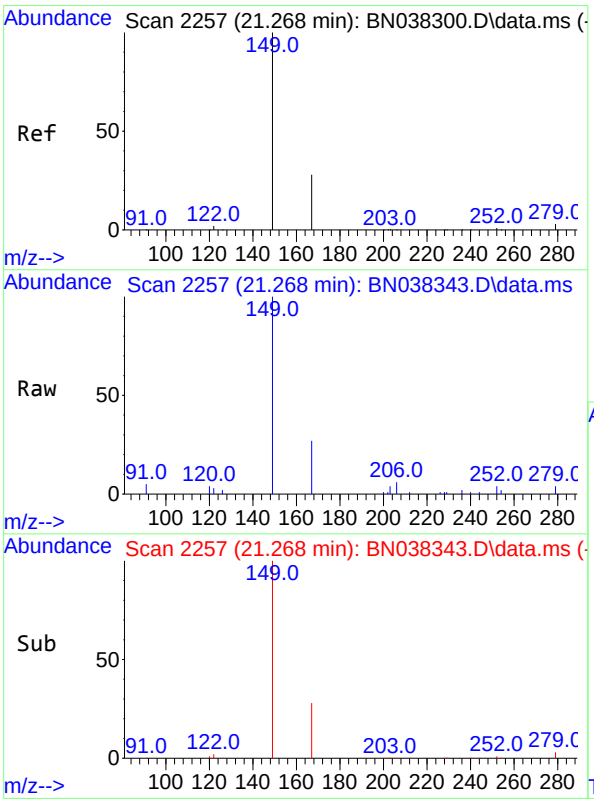
#33
Chrysene
Concen: 0.401 ng
RT: 21.375 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 19898

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.4
229	19.3	15.5	23.3

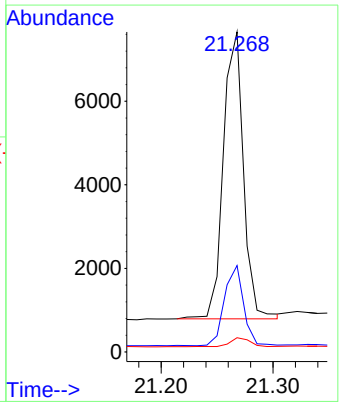


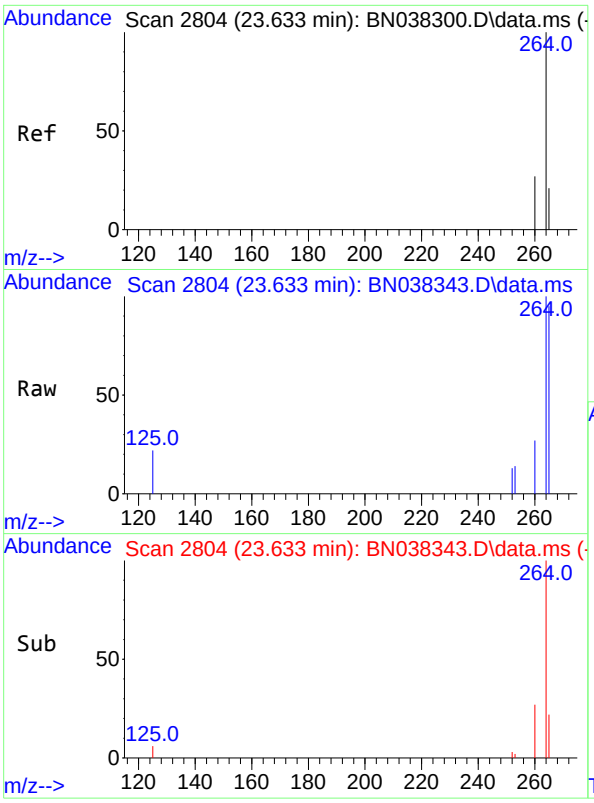


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:149 Resp: 8597

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	3.2	2.4	3.6



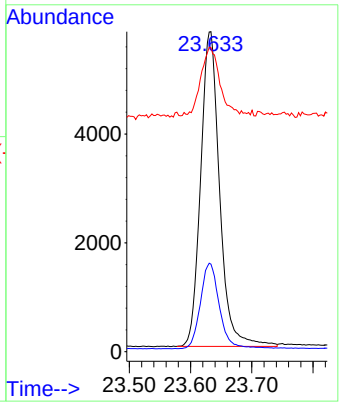


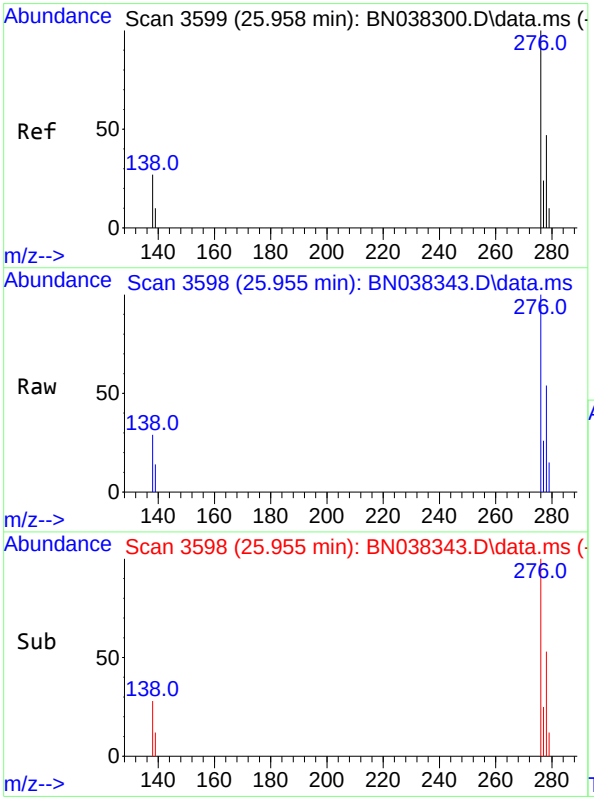
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 12444

Ion	Ratio	Lower	Upper
264	100		
260	27.4	22.2	33.2
265	95.0	80.2	120.2

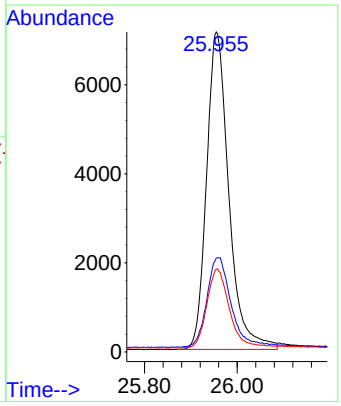


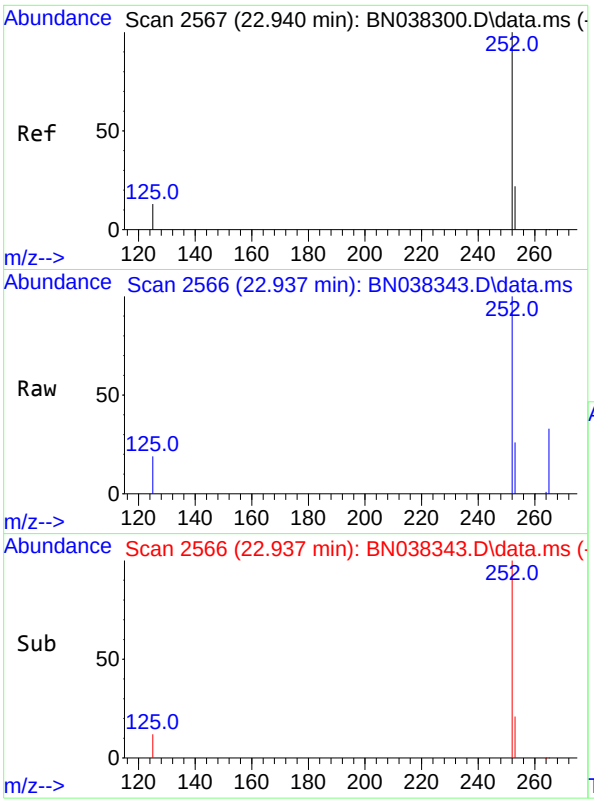


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 25.955 min Scan# 3598
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:276 Resp: 23803

Ion	Ratio	Lower	Upper
276	100		
138	30.5	23.6	35.4
277	25.2	19.7	29.5



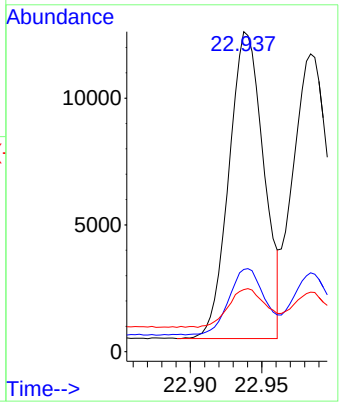


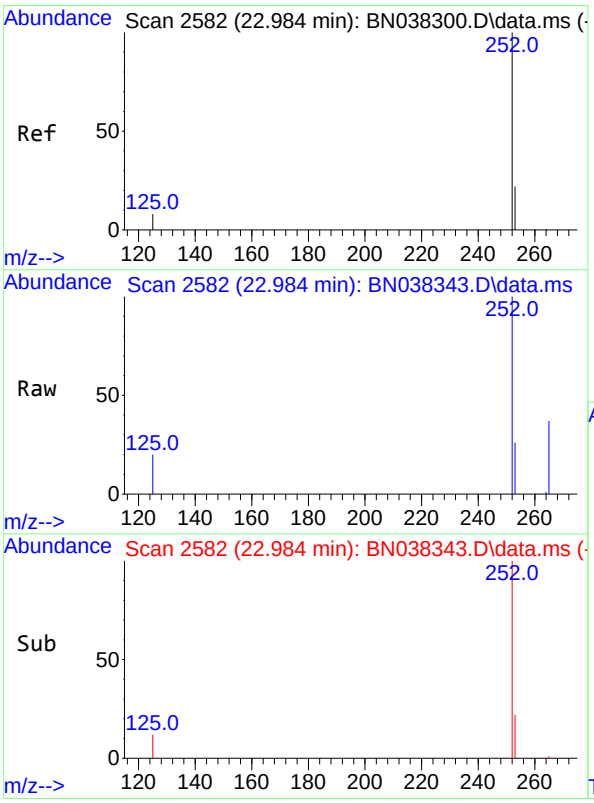
#37
Benzo(b)fluoranthene
Concen: 0.359 ng
RT: 22.937 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 20494

Ion	Ratio	Lower	Upper
252	100		
253	25.7	21.1	31.7
125	19.4	16.4	24.6

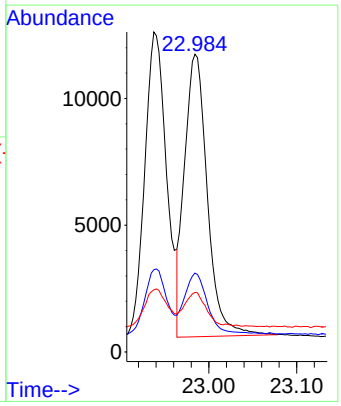


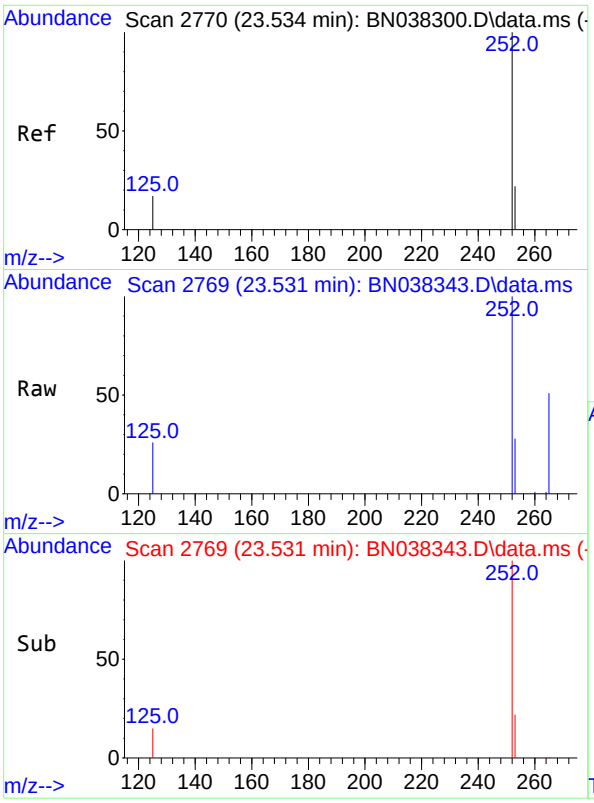


#38
Benzo(k)fluoranthene
Concen: 0.352 ng
RT: 22.984 min Scan# 2582
Delta R.T. -0.006 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:252 Resp: 20086

Ion	Ratio	Lower	Upper
252	100		
253	26.5	21.4	32.0
125	20.0	16.2	24.2



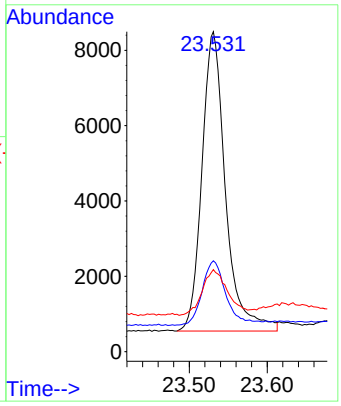


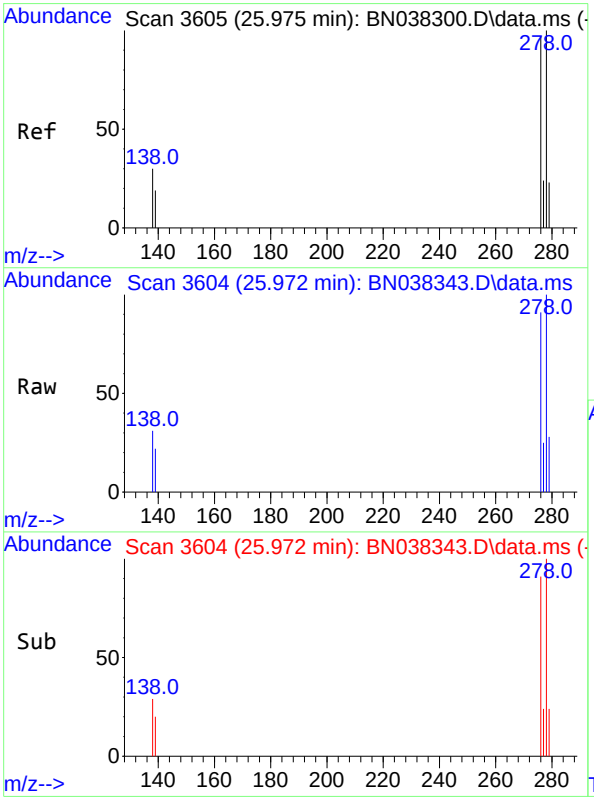
#39
Benzo(a)pyrene
Concen: 0.358 ng
RT: 23.531 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16745

Ion	Ratio	Lower	Upper
252	100		
253	28.4	23.3	34.9
125	25.6	22.4	33.6

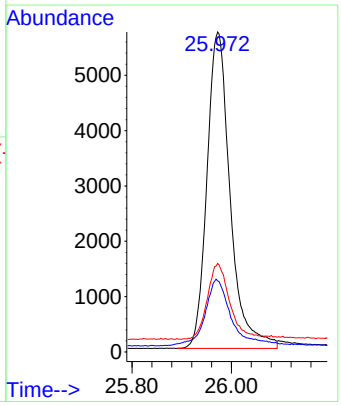


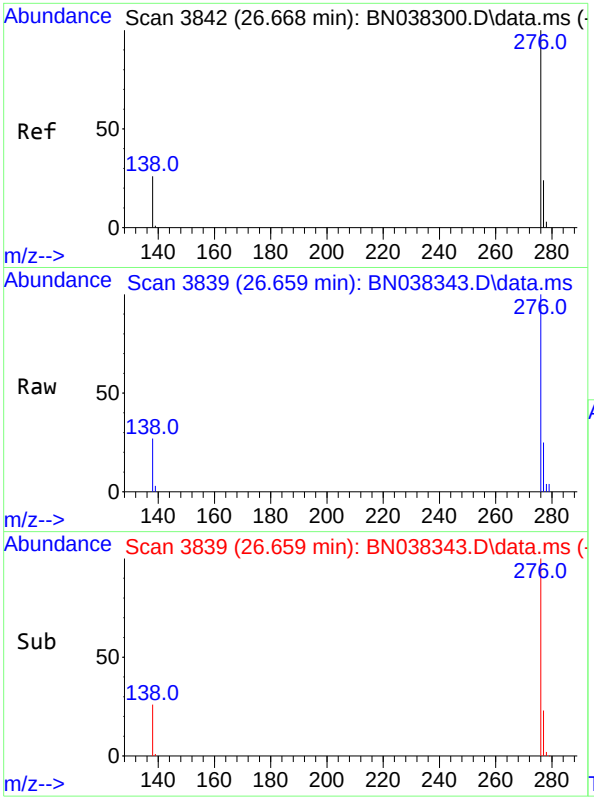


#40
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 25.972 min Scan# 3604
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:278 Resp: 18552

Ion	Ratio	Lower	Upper
278	100		
139	22.2	17.8	26.8
279	27.7	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 26.659 min Scan# 3
Delta R.T. -0.018 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 20585

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.0	30.0
138	27.0	21.8	32.6