Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103025\
Data File : BN038121.D
Acq On : 30 Oct 2025 10:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 30 10:54:06 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

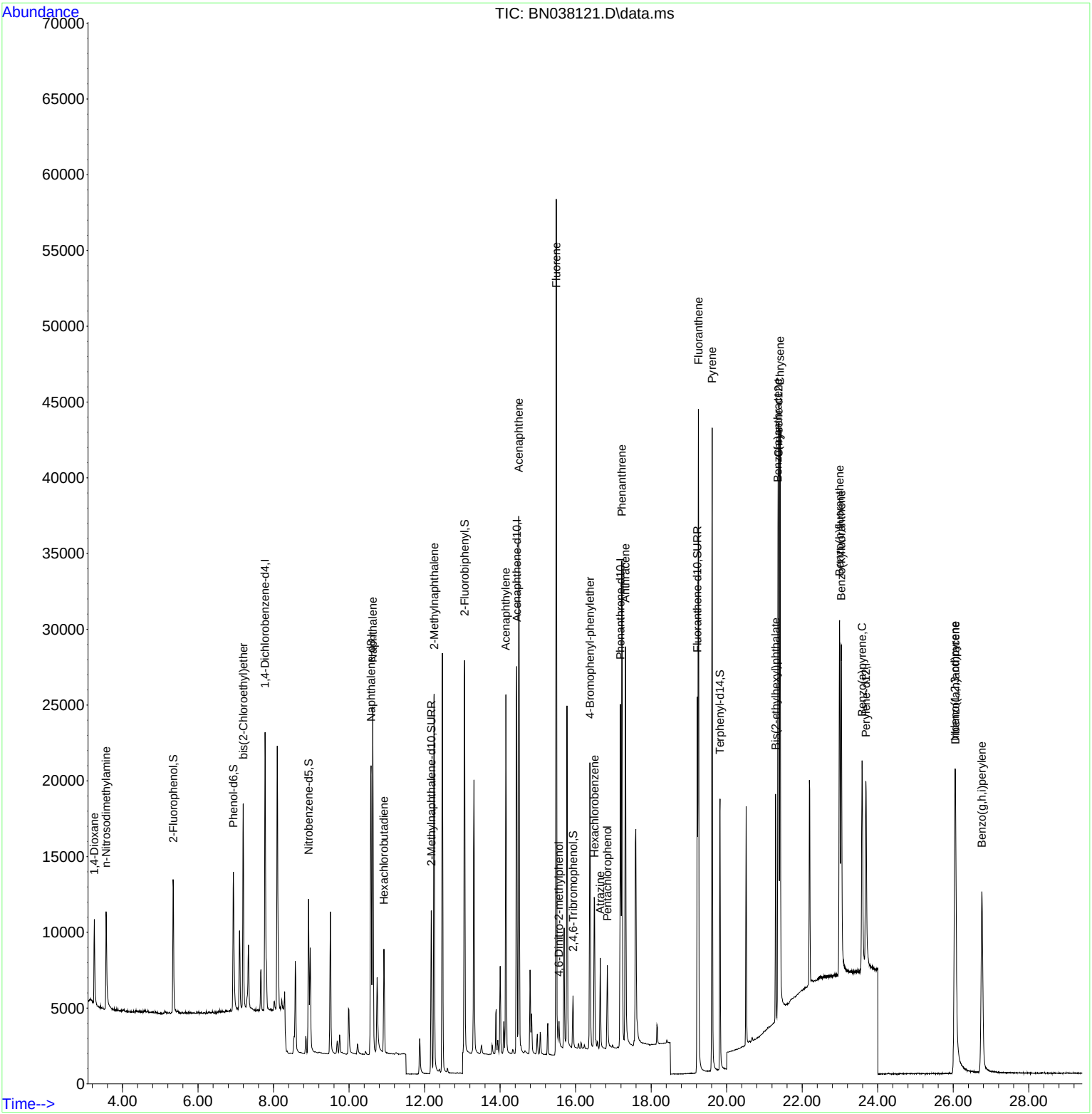
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	9463	0.400	ng		0.00
7) Naphthalene-d8	10.584	136	27993	0.400	ng		0.01
13) Acenaphthene-d10	14.441	164	15485	0.400	ng		0.01
19) Phenanthrene-d10	17.186	188	29995	0.400	ng		0.00
29) Chrysene-d12	21.375	240	22293	0.400	ng	#	0.00
35) Perylene-d12	23.689	264	19014	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.348	112	8175	0.367	ng		0.00
5) Phenol-d6	6.937	99	9766	0.360	ng		0.00
8) Nitrobenzene-d5	8.929	82	8527	0.377	ng		0.00
11) 2-Methylnaphthalene-d10	12.177	152	15201	0.380	ng		0.00
14) 2,4,6-Tribromophenol	15.932	330	1997	0.313	ng		0.00
15) 2-Fluorobiphenyl	13.062	172	25223	0.407	ng		0.01
27) Fluoranthene-d10	19.225	212	28100	0.372	ng		0.00
31) Terphenyl-d14	19.824	244	18936	0.391	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.254	88	3919	0.401	ng		98
3) n-Nitrosodimethylamine	3.564	42	4728	0.376	ng	#	98
6) bis(2-Chloroethyl)ether	7.197	93	10613	0.398	ng		100
9) Naphthalene	10.626	128	30388	0.394	ng		100
10) Hexachlorobutadiene	10.925	225	5338	0.410	ng	#	99
12) 2-Methylnaphthalene	12.253	142	19802	0.385	ng		99
16) Acenaphthylene	14.152	152	26567	0.379	ng		99
17) Acenaphthene	14.494	154	18687	0.381	ng		98
18) Fluorene	15.489	166	24947	0.388	ng		99
20) 4,6-Dinitro-2-methylph...	15.560	198	1200	0.394	ng		90
21) 4-Bromophenyl-phenylether	16.379	248	7456	0.379	ng		98
22) Hexachlorobenzene	16.503	284	8967	0.401	ng		98
23) Atrazine	16.652	200	4857	0.337	ng		99
24) Pentachlorophenol	16.838	266	2861	0.297	ng		98
25) Phenanthrene	17.223	178	36707	0.385	ng		100
26) Anthracene	17.322	178	30573	0.367	ng		100
28) Fluoranthene	19.252	202	39808	0.374	ng		100
30) Pyrene	19.615	202	38930	0.387	ng		100
32) Benzo(a)anthracene	21.357	228	28853	0.363	ng		99
33) Chrysene	21.411	228	34997	0.405	ng		99
34) Bis(2-ethylhexyl)phtha...	21.295	149	13770	0.329	ng		100
36) Indeno(1,2,3-cd)pyrene	26.045	276	30735	0.393	ng		99
37) Benzo(b)fluoranthene	22.990	252	31713	0.390	ng		98
38) Benzo(k)fluoranthene	23.034	252	32082	0.392	ng		97
39) Benzo(a)pyrene	23.586	252	24588	0.378	ng		97
40) Dibenzo(a,h)anthracene	26.060	278	23122	0.385	ng		97
41) Benzo(g,h,i)perylene	26.759	276	27636	0.403	ng		99

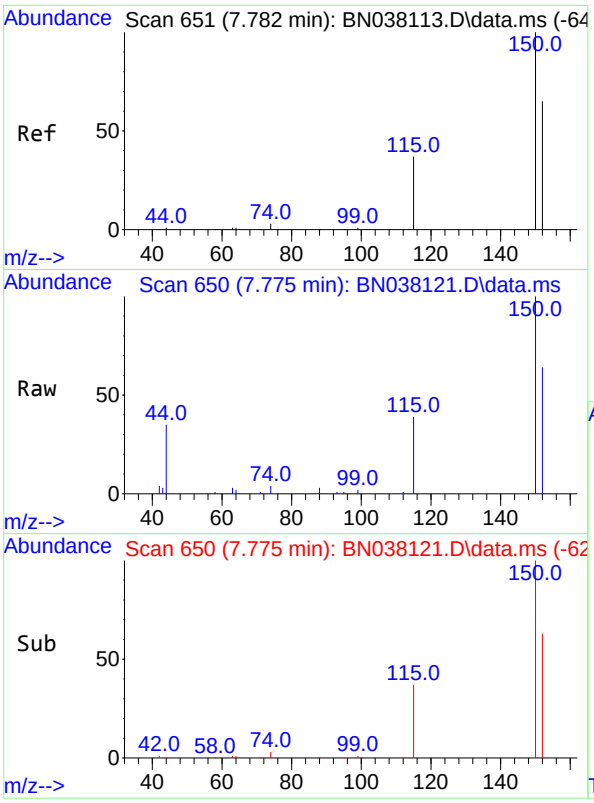
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103025\
Data File : BN038121.D
Acq On : 30 Oct 2025 10:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 30 10:54:06 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



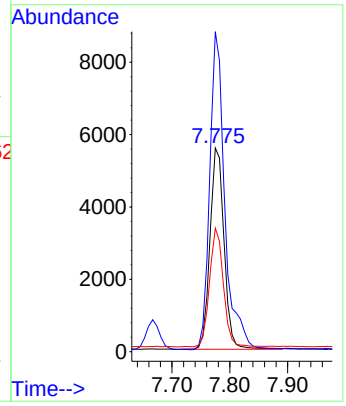


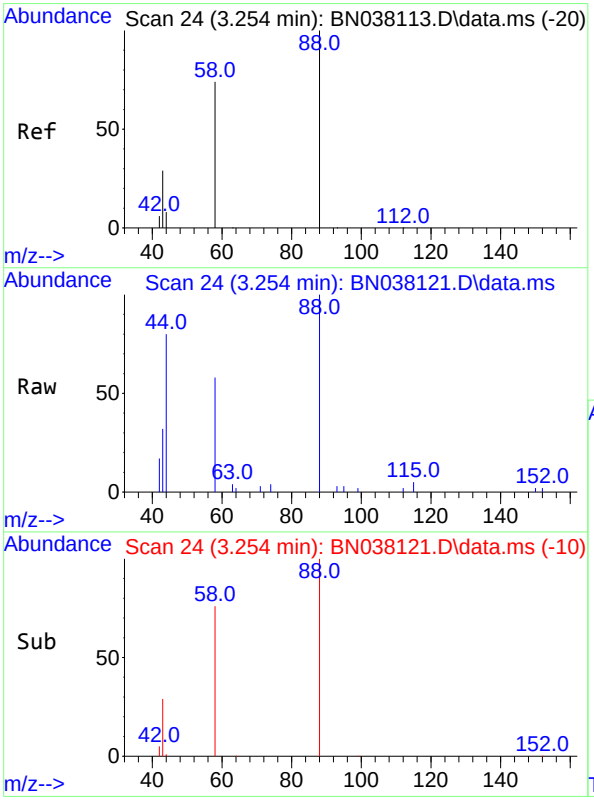
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9463

Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.3	183.5
115	60.7	47.4	71.0

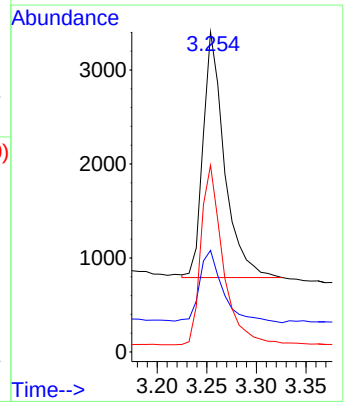


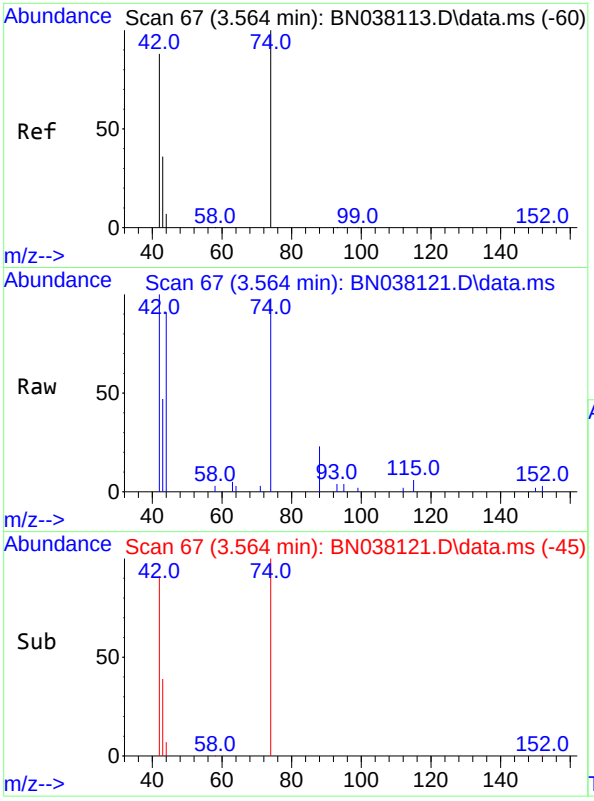


#2
1,4-Dioxane
Concen: 0.401 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion: 88 Resp: 3919

Ion	Ratio	Lower	Upper
88	100		
43	32.8	24.3	36.5
58	75.9	60.4	90.6



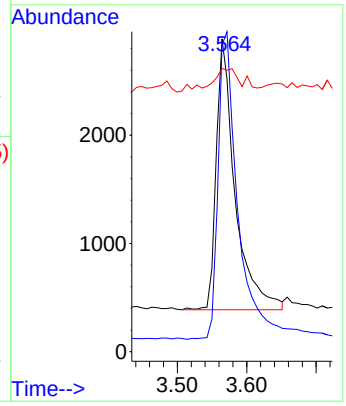


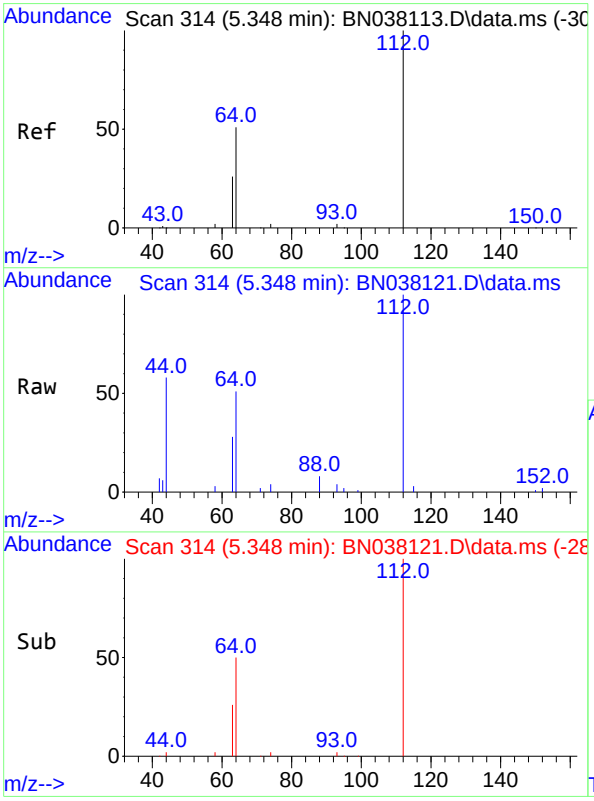
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.564 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4728

Ion	Ratio	Lower	Upper
42	100		
74	122.1	96.8	145.2
44	14.0	5.3	7.9#

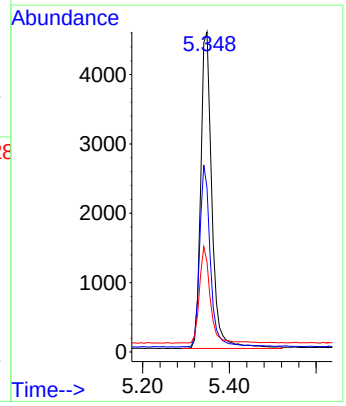


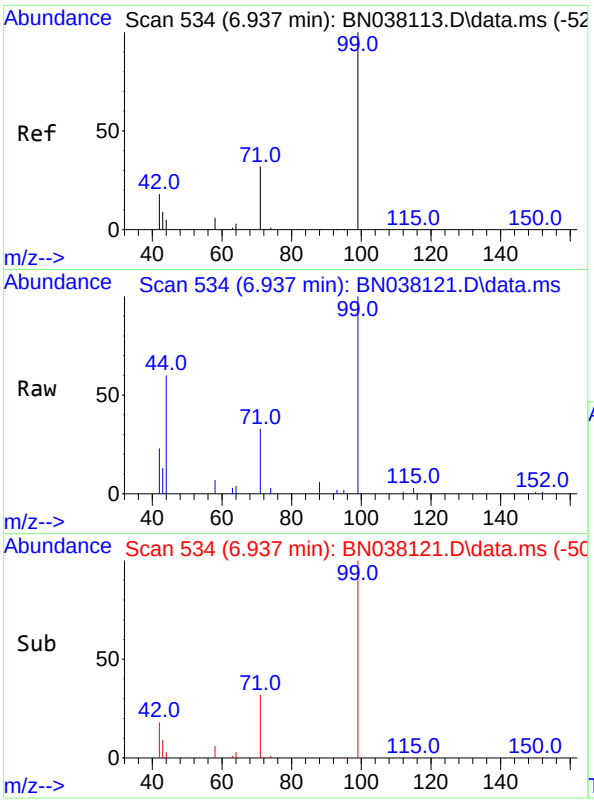


#4
2-Fluorophenol
Concen: 0.367 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:112 Resp: 8175

Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.4	68.0
63	29.8	23.2	34.8



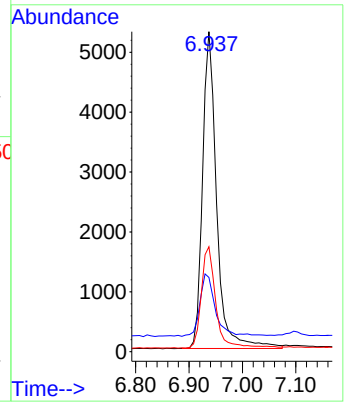


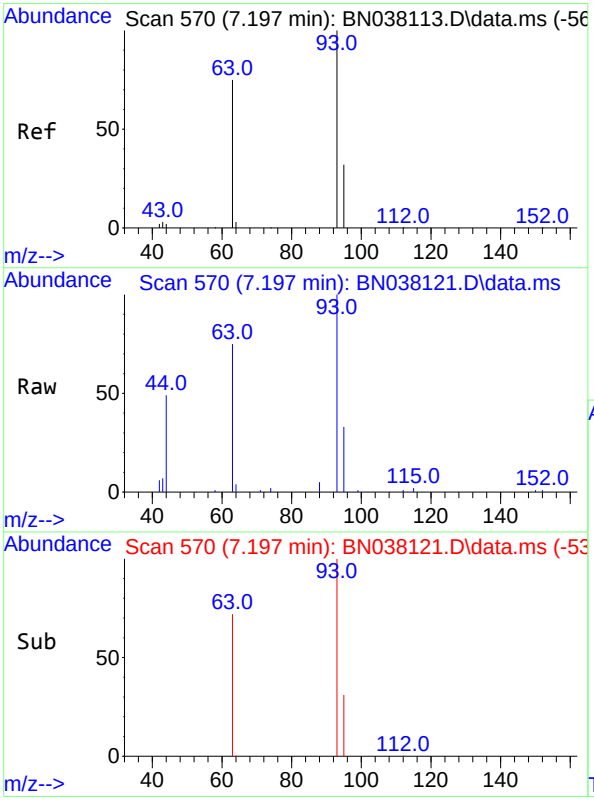
#5
Phenol-d6
Concen: 0.360 ng
RT: 6.937 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 9766

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	24.8
71	33.1	25.4	38.2

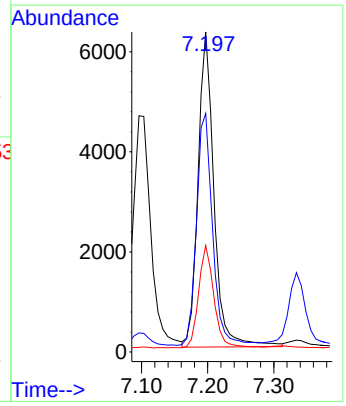


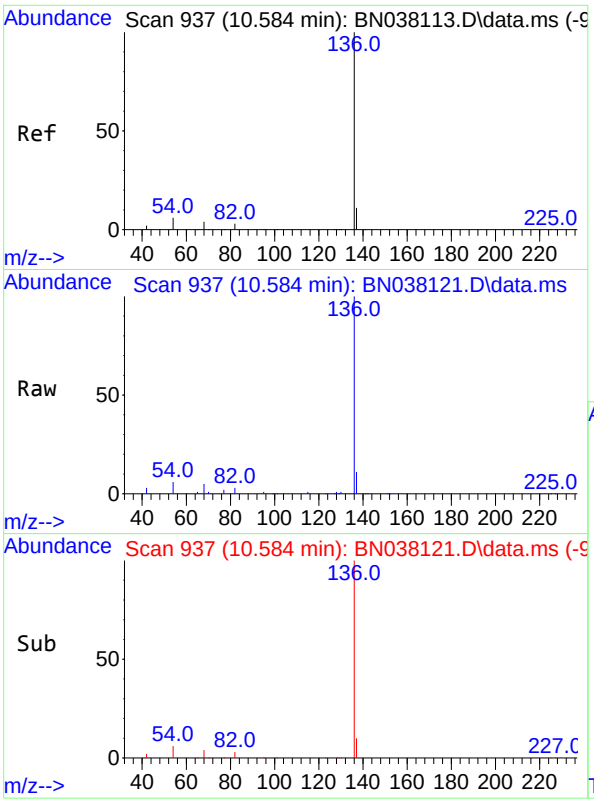


#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion: 93 Resp: 10613

Ion	Ratio	Lower	Upper
93	100		
63	73.9	59.3	88.9
95	31.2	25.2	37.8



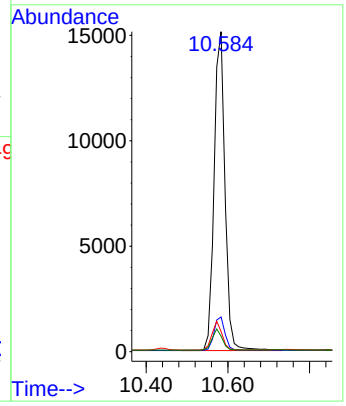


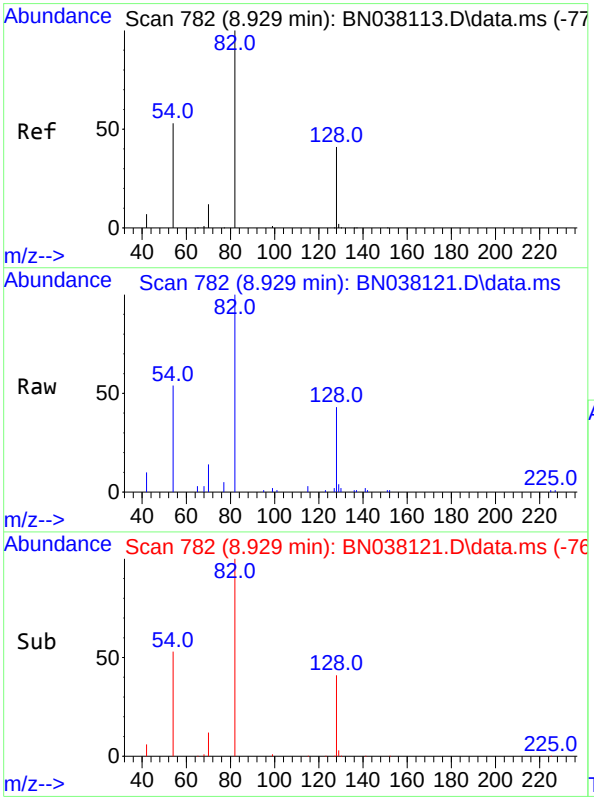
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 27993

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.3	5.2	7.8
68	4.9	4.1	6.1

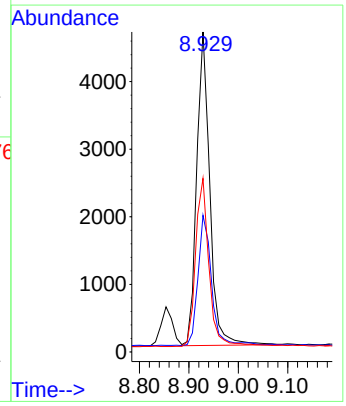


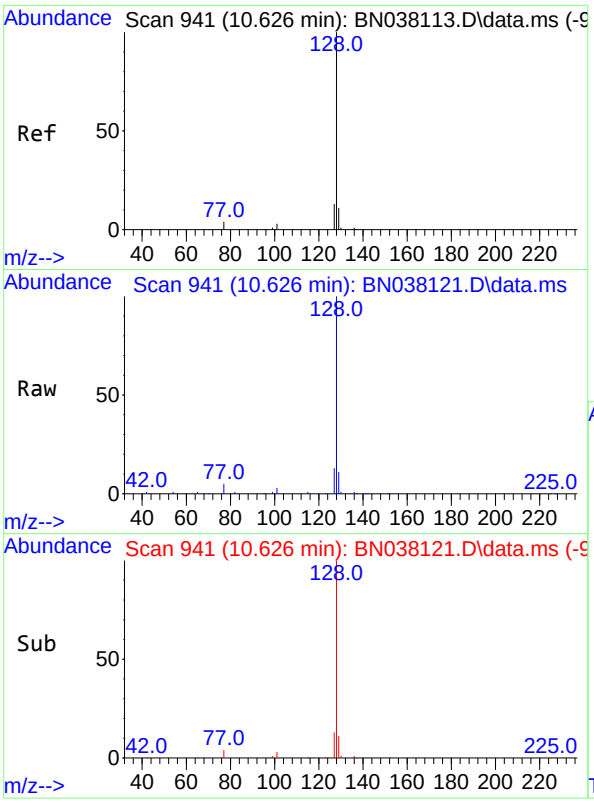


#8
Nitrobenzene-d5
Concen: 0.377 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion: 82 Resp: 8527

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.1	51.1
54	54.3	43.5	65.3



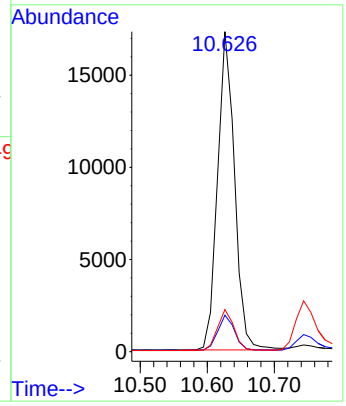


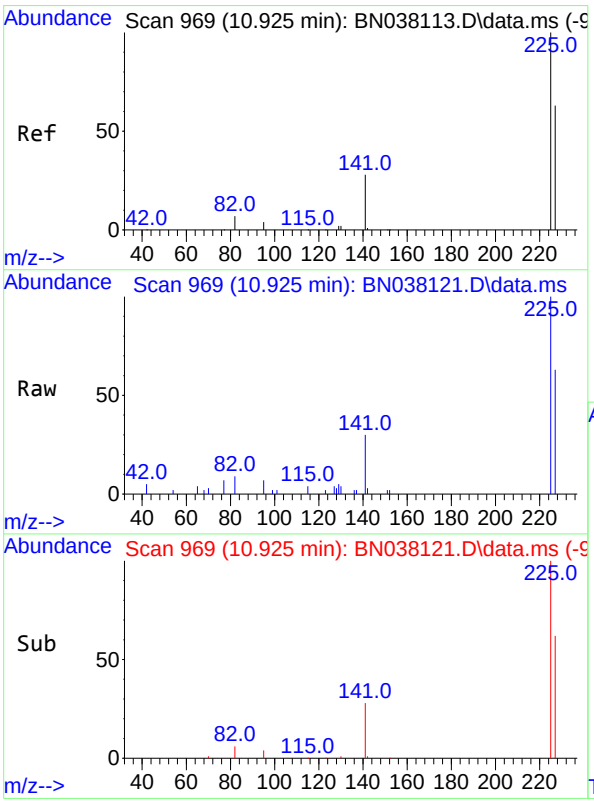
#9
Naphthalene
Concen: 0.394 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 30388

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.2	10.5	15.7

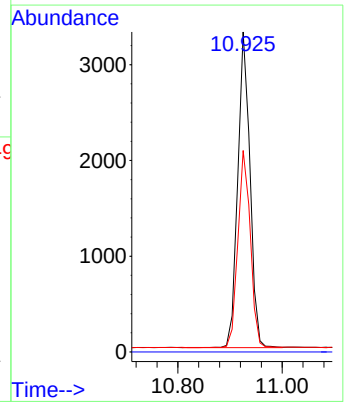


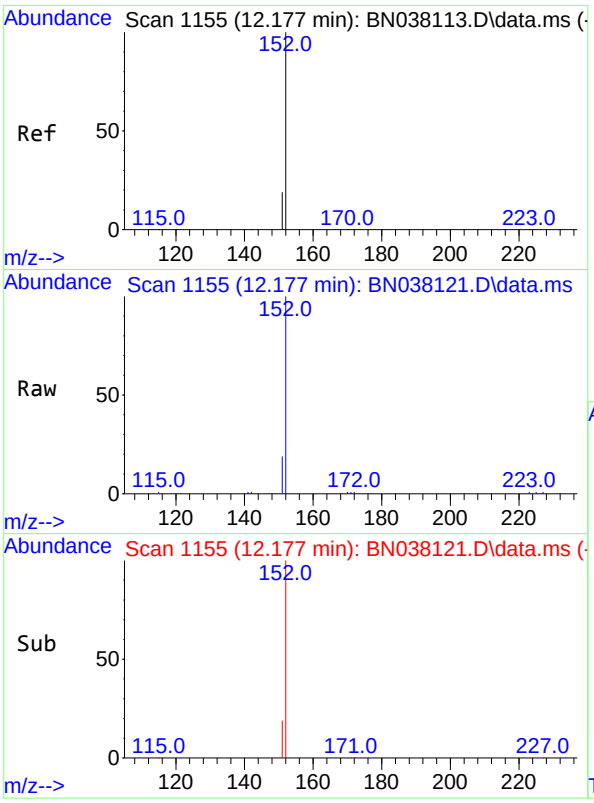


#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:225 Resp: 5338

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.3	75.5



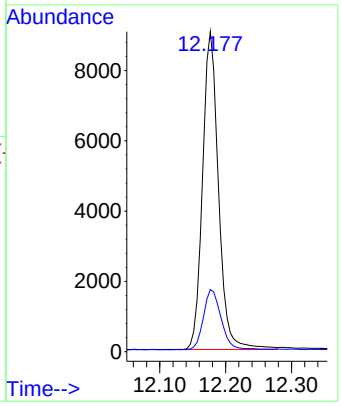


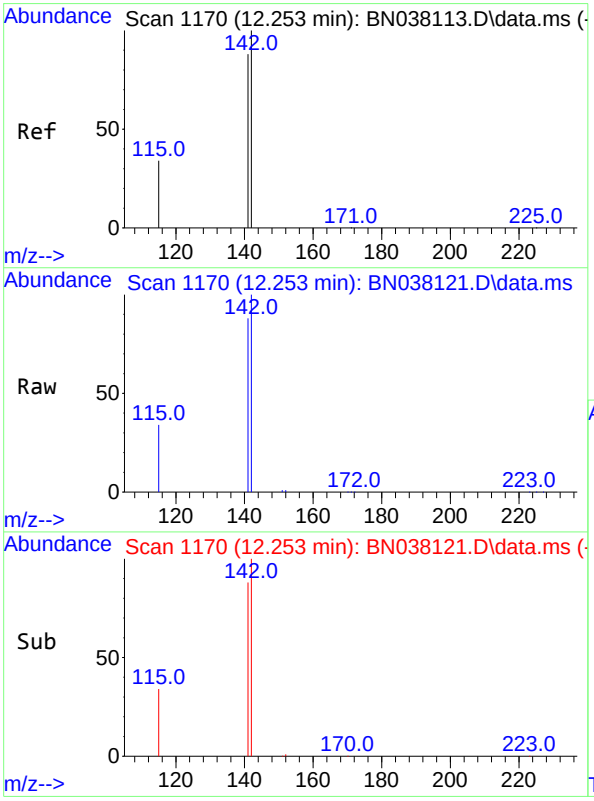
#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 12.177 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 15201

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.8	25.2

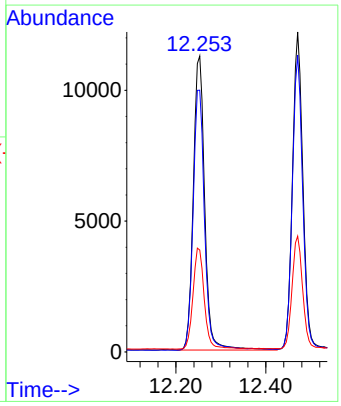


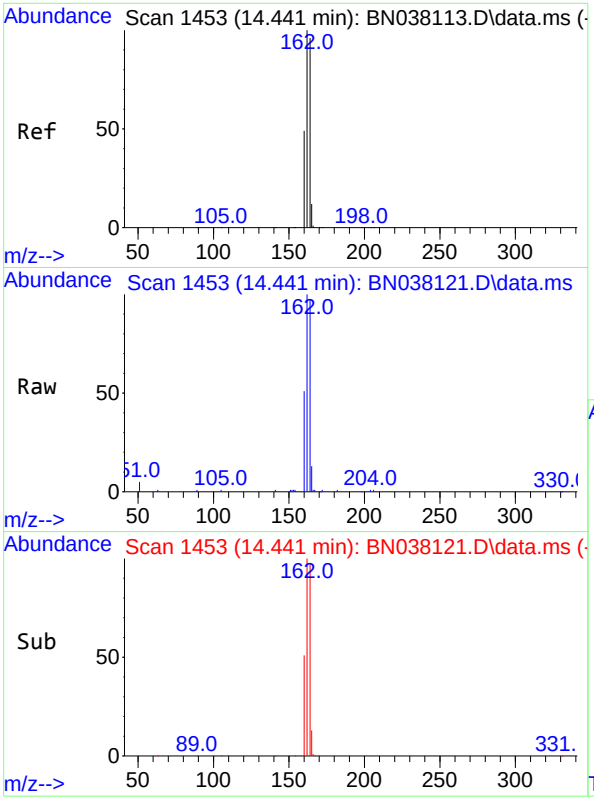


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:142 Resp: 19802

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.4	27.8	41.6



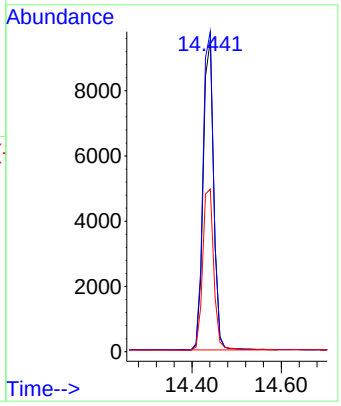


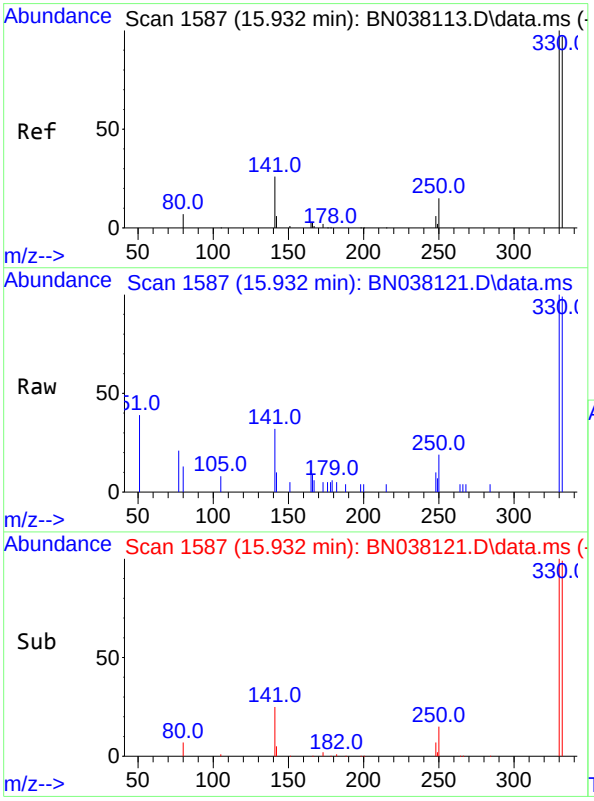
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 15485

Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.0	124.4
160	52.2	40.7	61.1

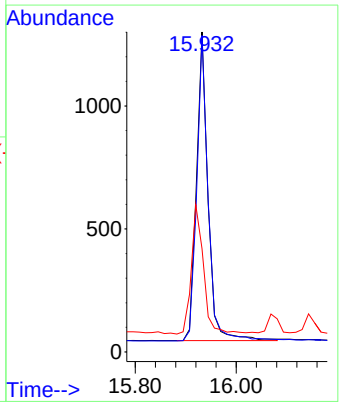


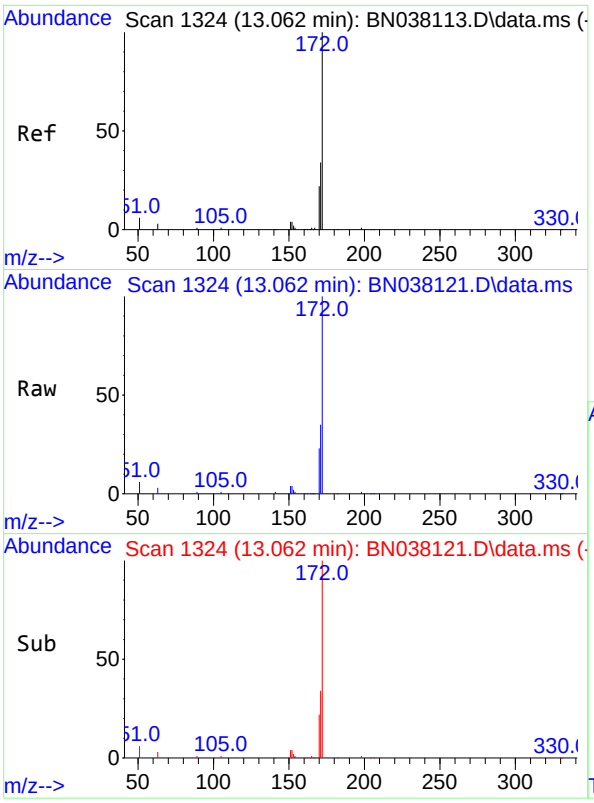


#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:330 Resp: 1997

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	114.8
141	44.2	34.1	51.1



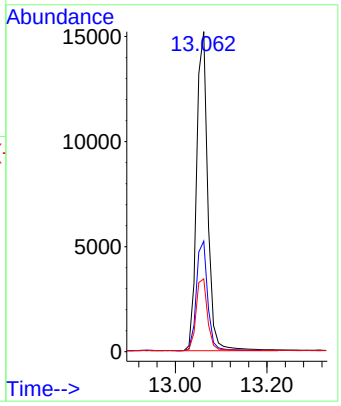


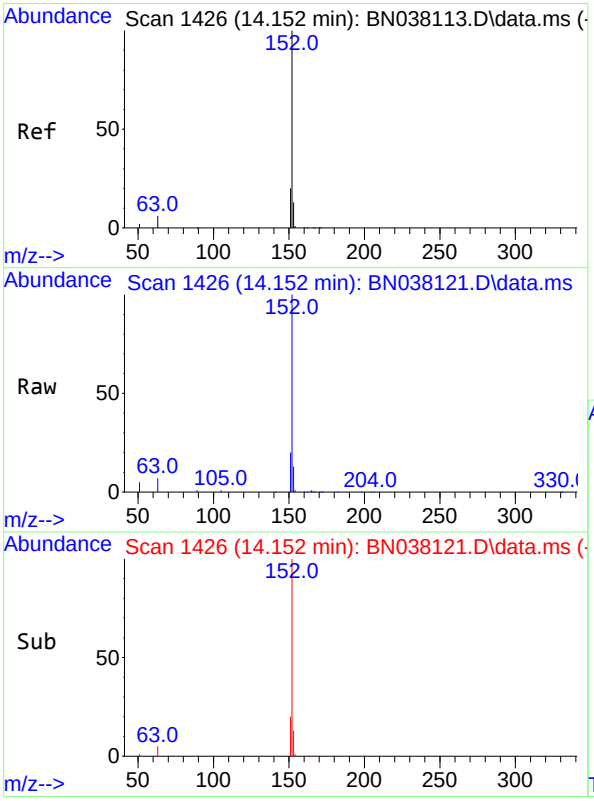
#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 13.062 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 25223

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	22.8	18.1	27.1

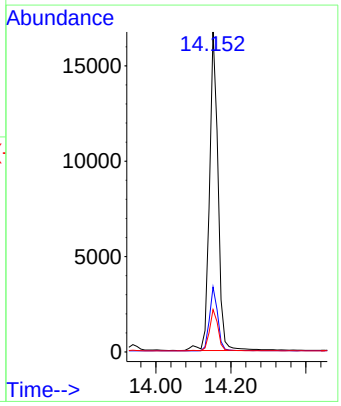


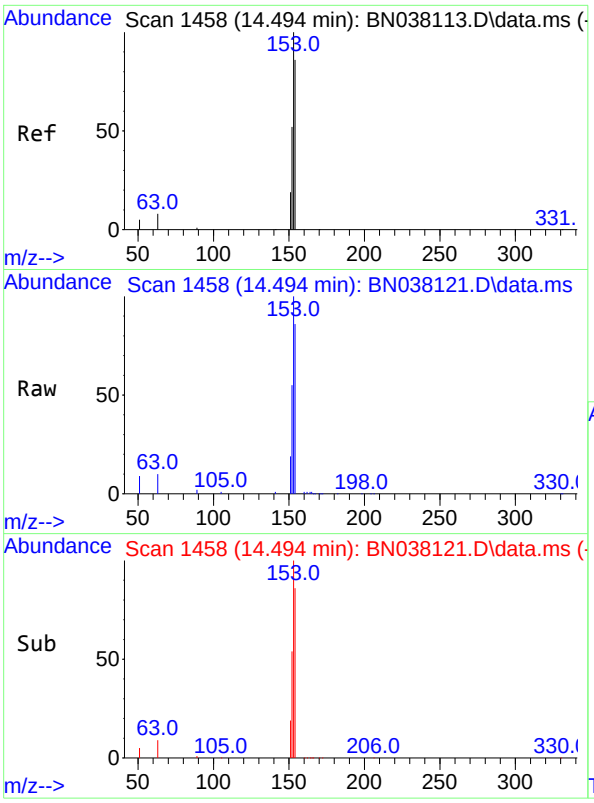


#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:152 Resp: 26567

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.1	10.2	15.2



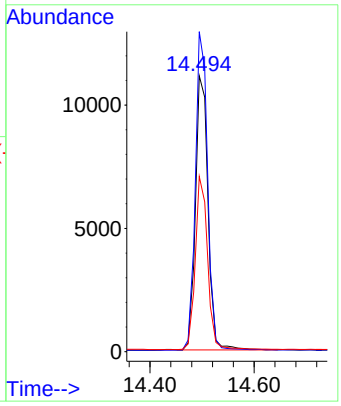


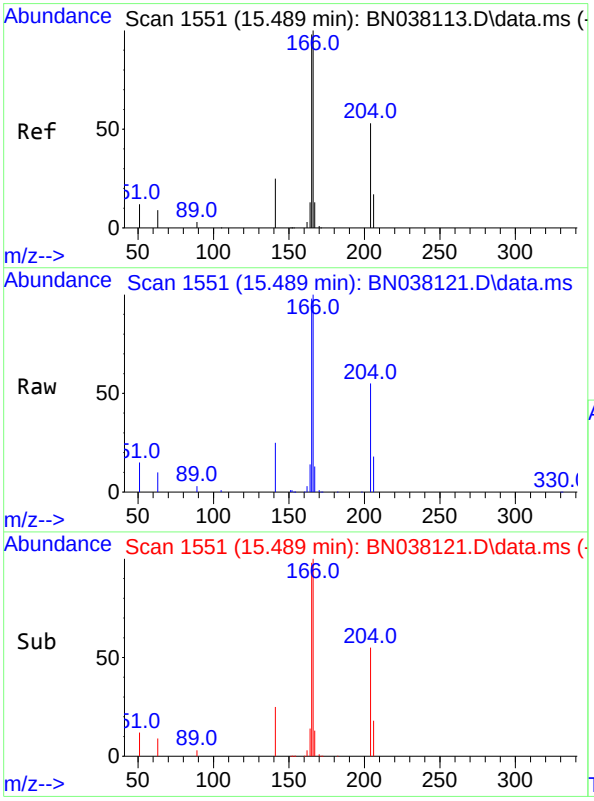
#17
Acenaphthene
Concen: 0.381 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 18687

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.0	135.0
152	62.1	47.3	70.9

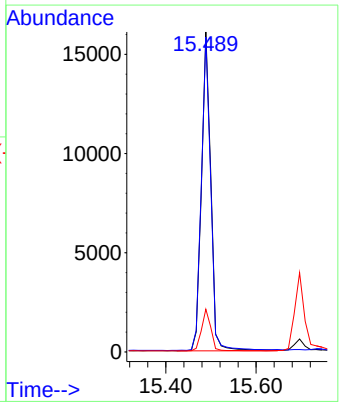


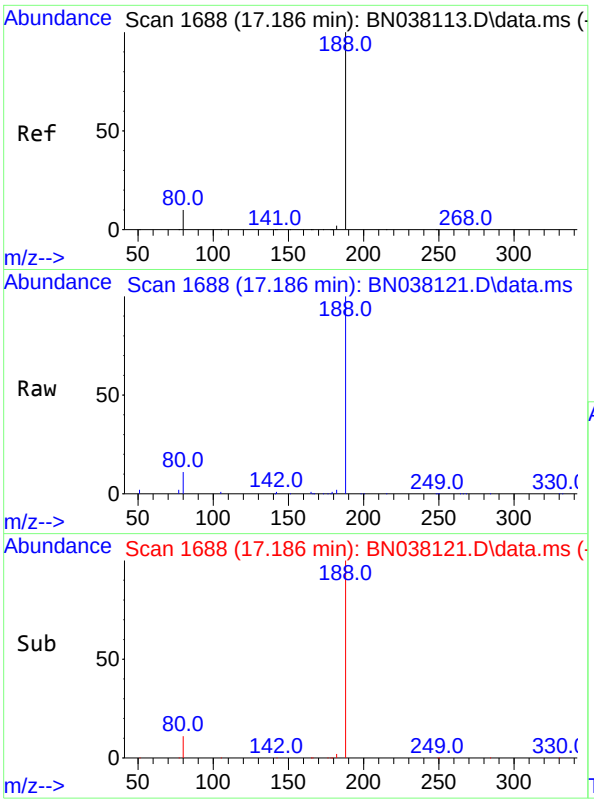


#18
Fluorene
Concen: 0.388 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:166 Resp: 24947

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.0	118.4
167	13.2	10.7	16.1



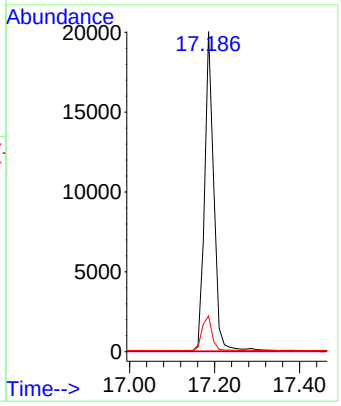


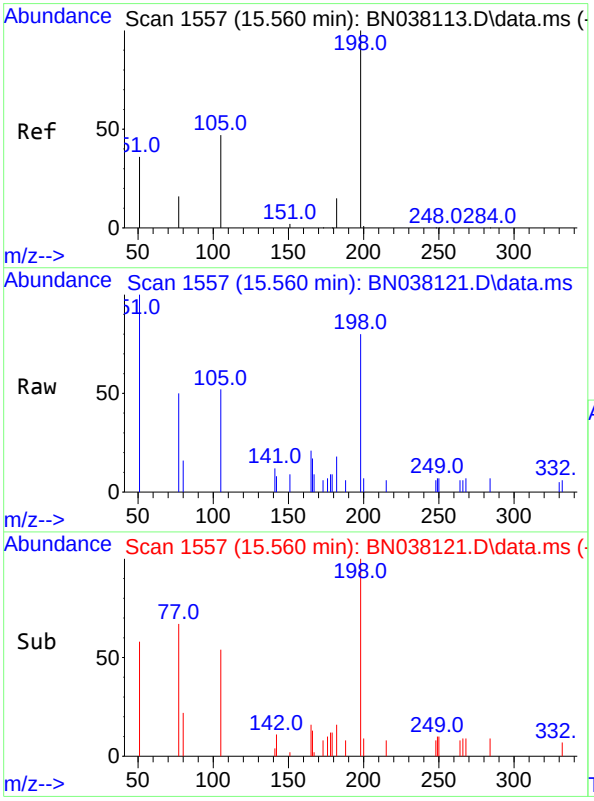
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 29995

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	8.6	13.0

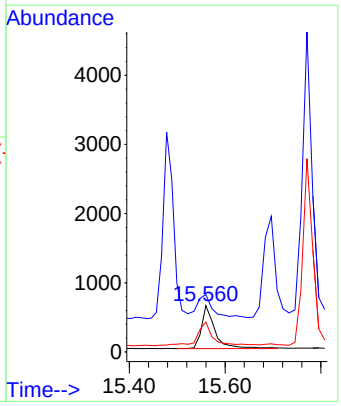


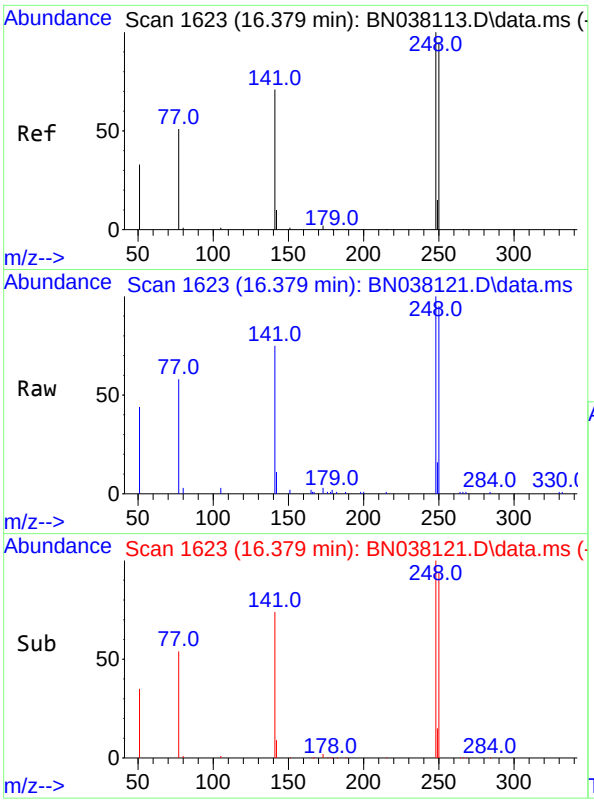


#20
4,6-Dinitro-2-methylphenol
Concen: 0.394 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:198 Resp: 1200

Ion	Ratio	Lower	Upper
198	100		
51	124.4	88.9	133.3
105	64.7	49.2	73.8



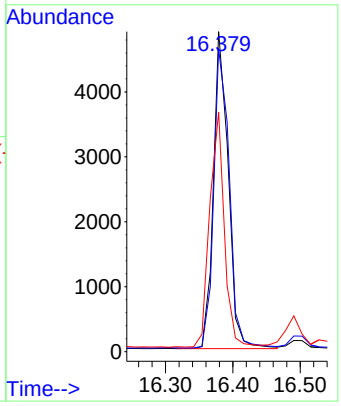


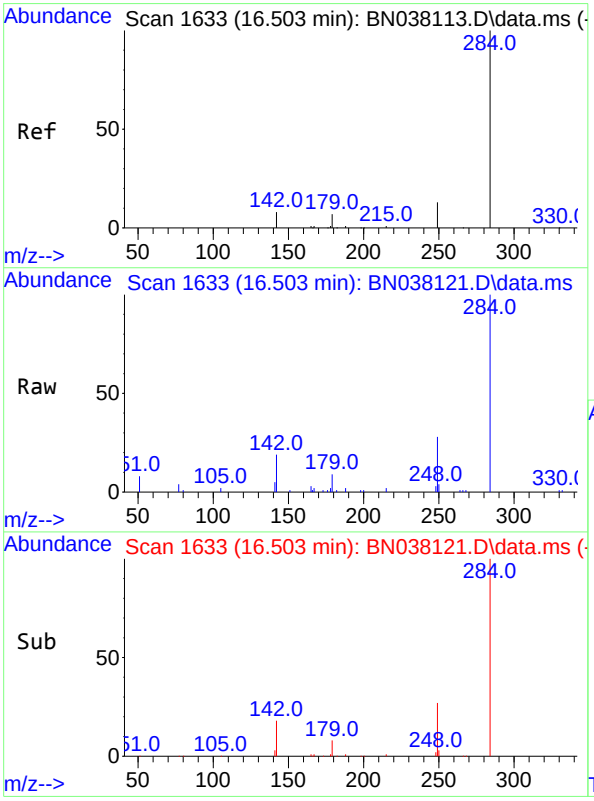
#21
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 7456

Ion	Ratio	Lower	Upper
248	100		
250	94.7	76.2	114.2
141	74.9	57.6	86.4

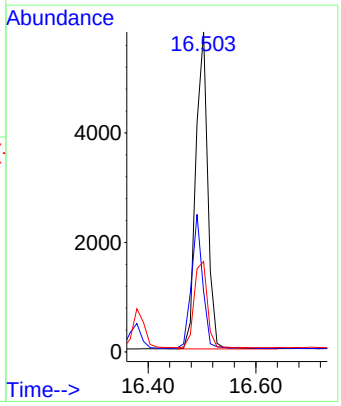


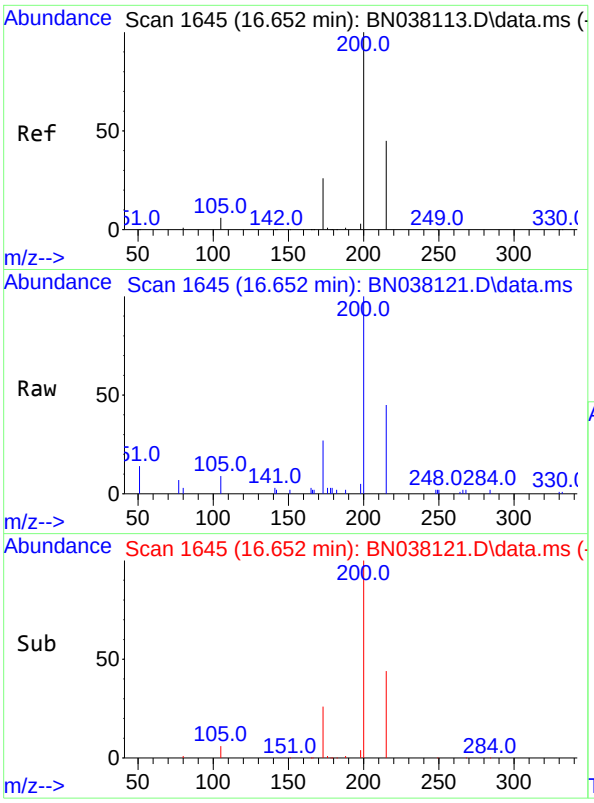


#22
Hexachlorobenzene
Concen: 0.401 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:284 Resp: 8967

Ion	Ratio	Lower	Upper
284	100		
142	39.2	30.5	45.7
249	30.0	23.5	35.3



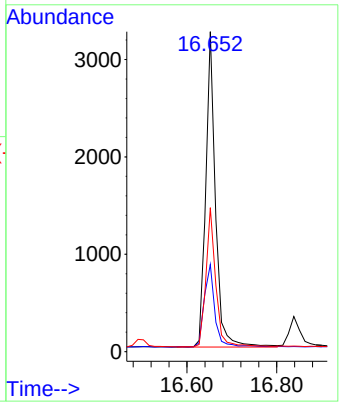


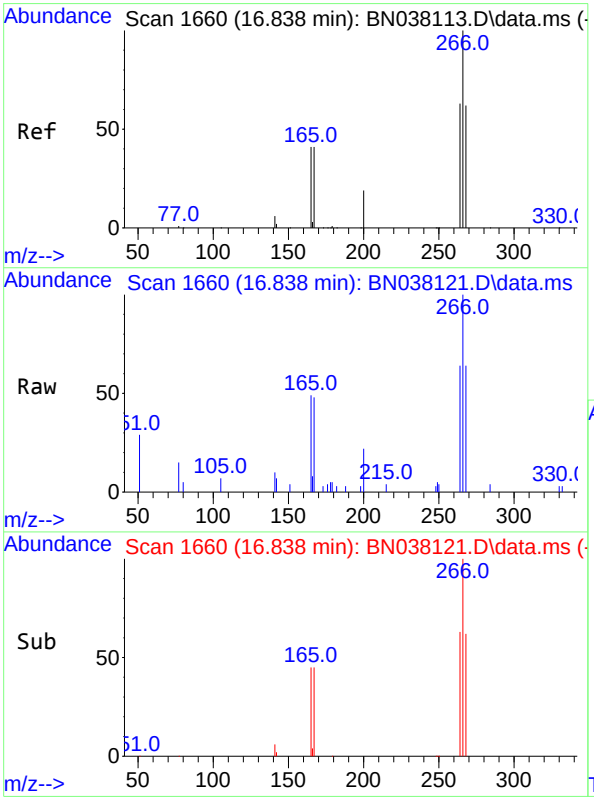
#23
Atrazine
Concen: 0.337 ng
RT: 16.652 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 4857

Ion	Ratio	Lower	Upper
200	100		
173	27.2	21.4	32.2
215	45.0	36.7	55.1

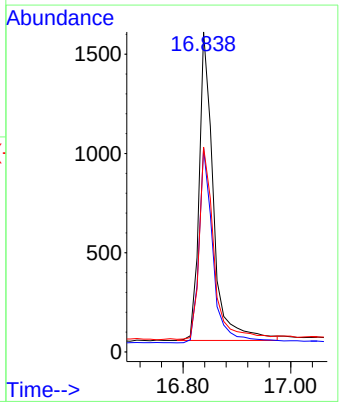


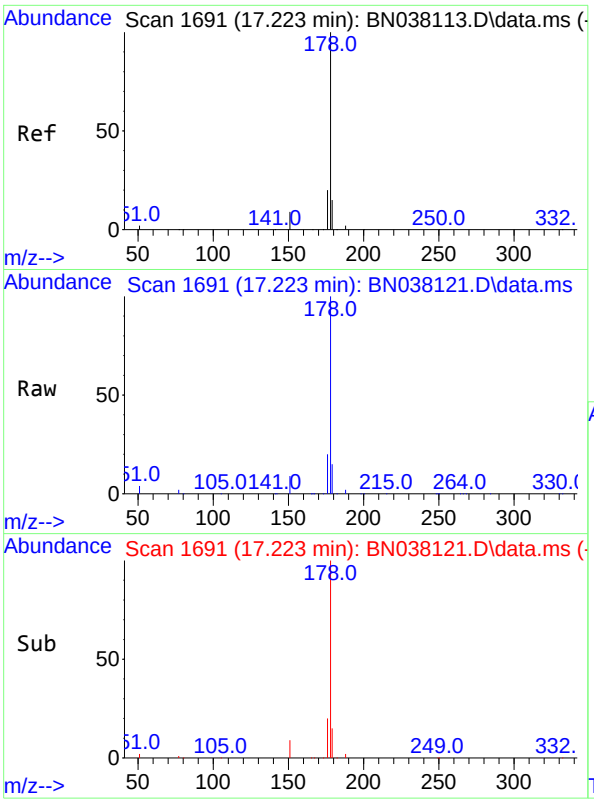


#24
Pentachlorophenol
Concen: 0.297 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:266 Resp: 2861

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.3	73.9
268	65.7	50.6	75.8



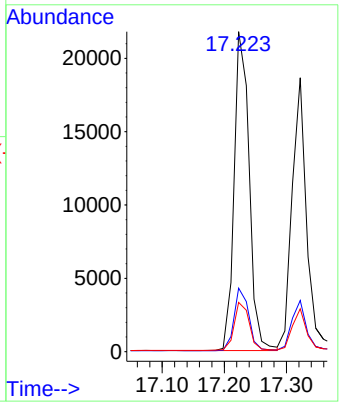


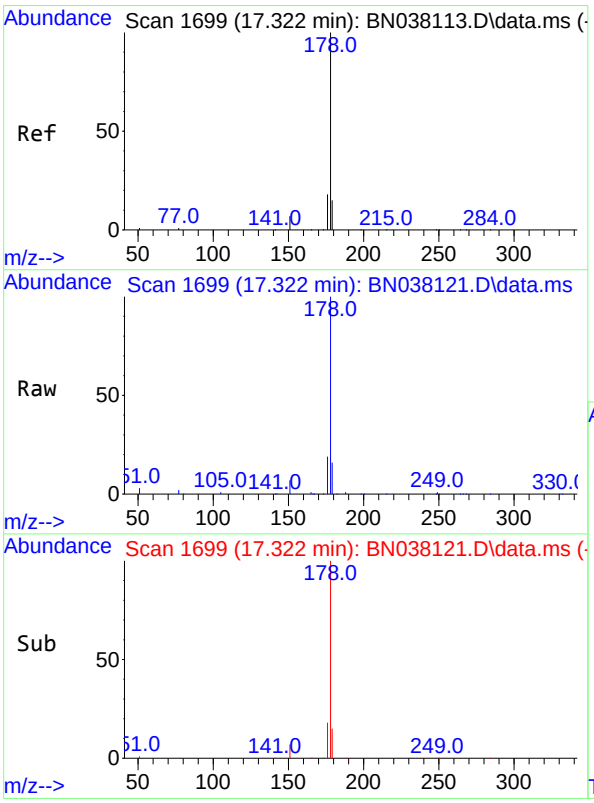
#25
Phenanthrene
Concen: 0.385 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 36707

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.3	12.2	18.4

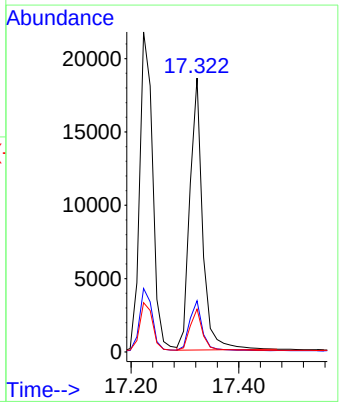


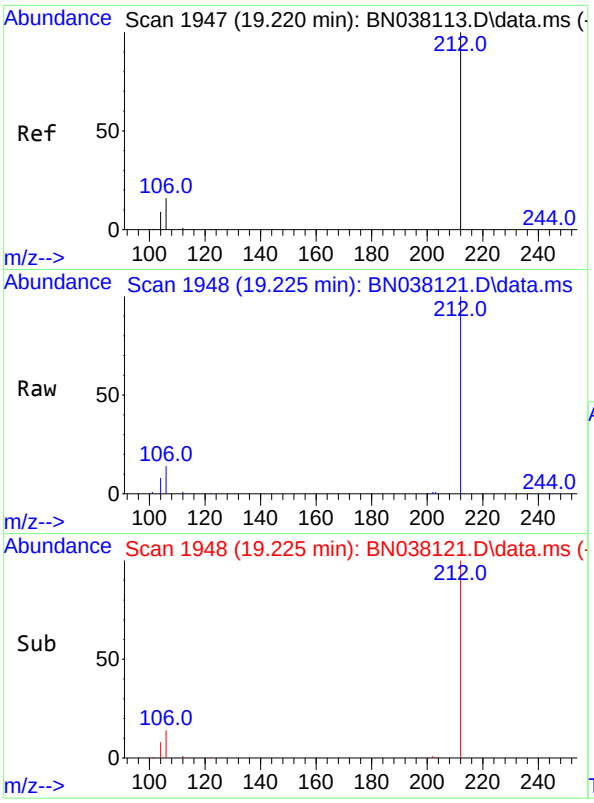


#26
Anthracene
Concen: 0.367 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:178 Resp: 30573

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



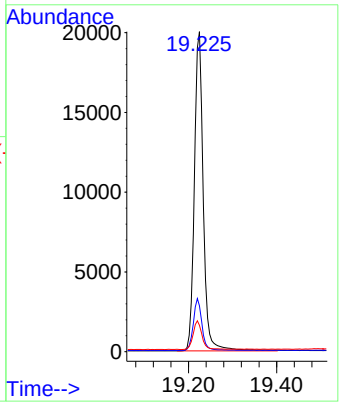


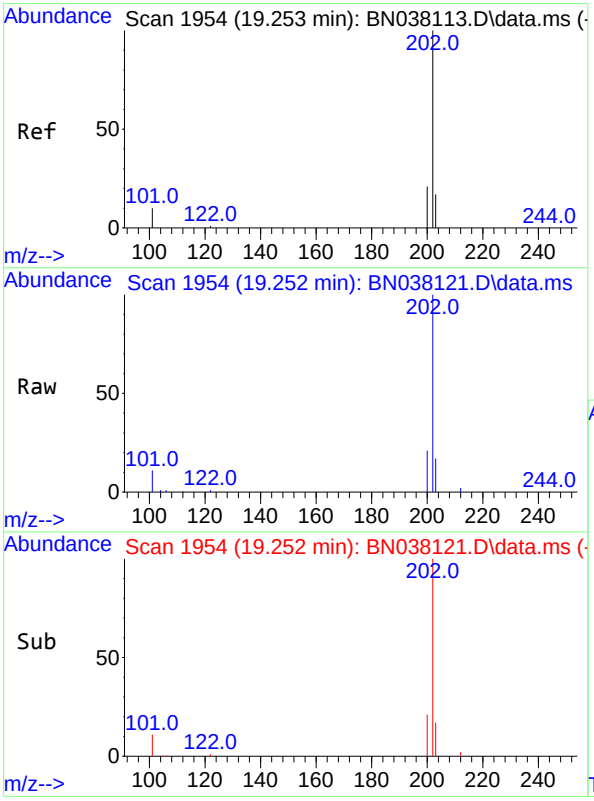
#27
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.225 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 28100

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.0	7.1	10.7

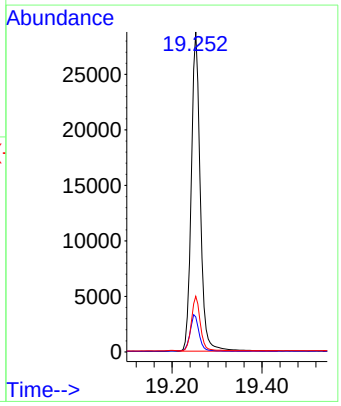


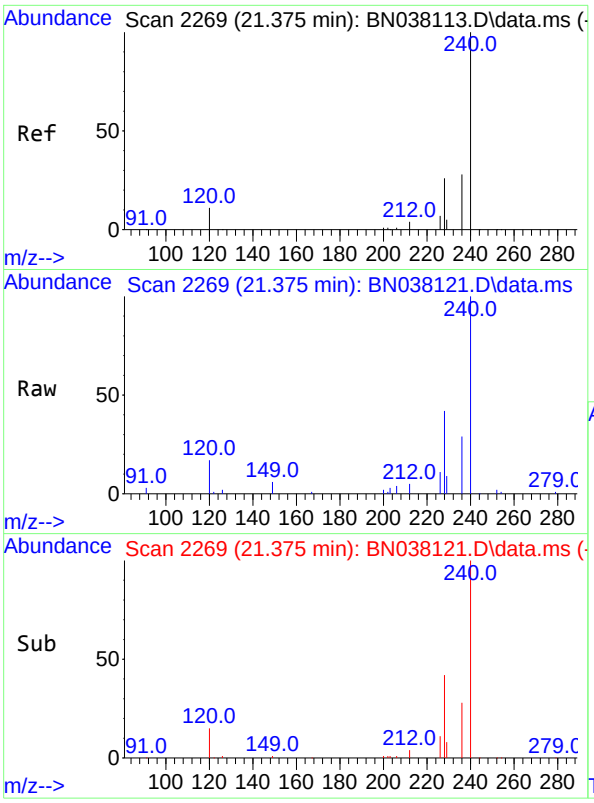


#28
Fluoranthene
Concen: 0.374 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:202 Resp: 39808

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.4	14.2
203	16.8	13.4	20.2



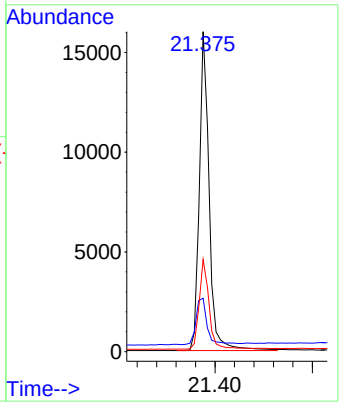


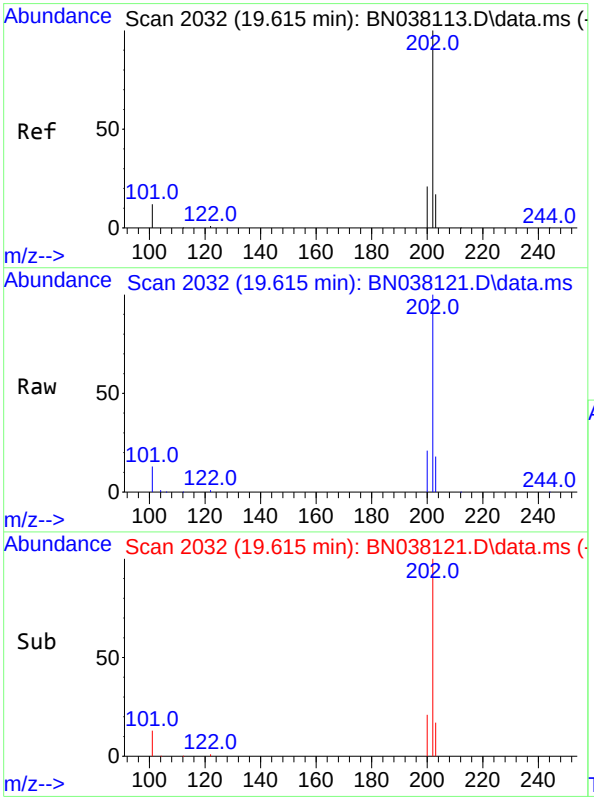
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 22293

Ion	Ratio	Lower	Upper
240	100		
120	16.7	10.7	16.1#
236	28.8	23.1	34.7

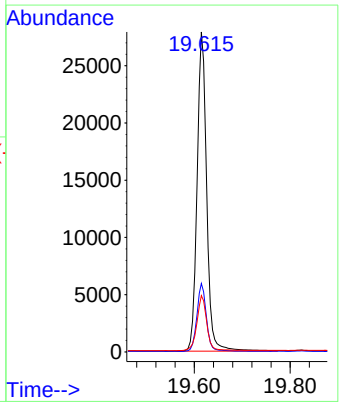


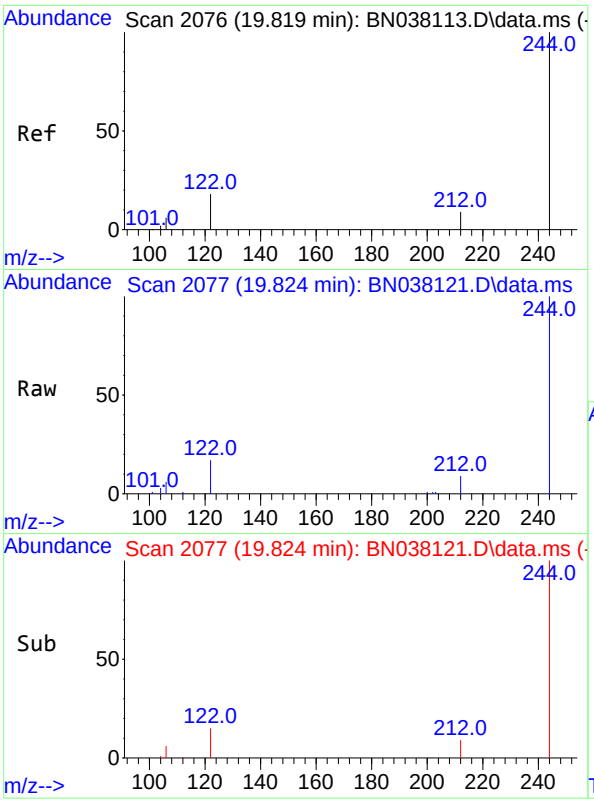


#30
Pyrene
Concen: 0.387 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:202 Resp: 38930

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	14.2	21.2



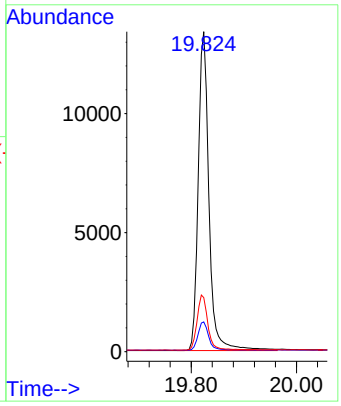


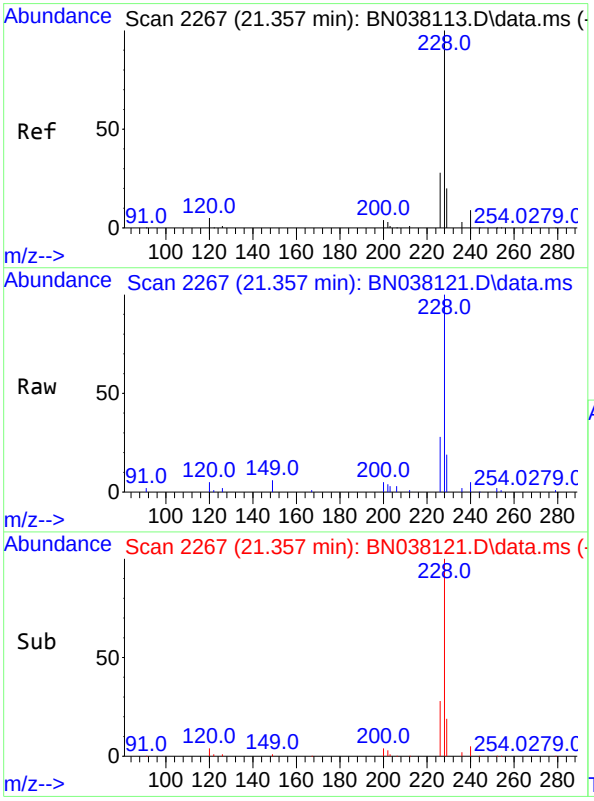
#31
Terphenyl-d14
Concen: 0.391 ng
RT: 19.824 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 18936

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.8	11.6
122	16.9	15.2	22.8

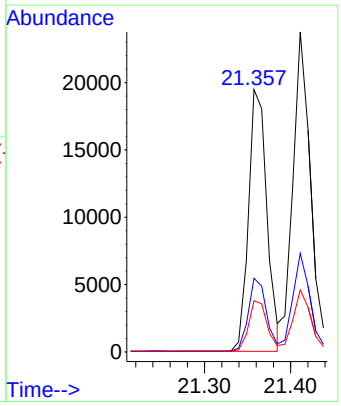


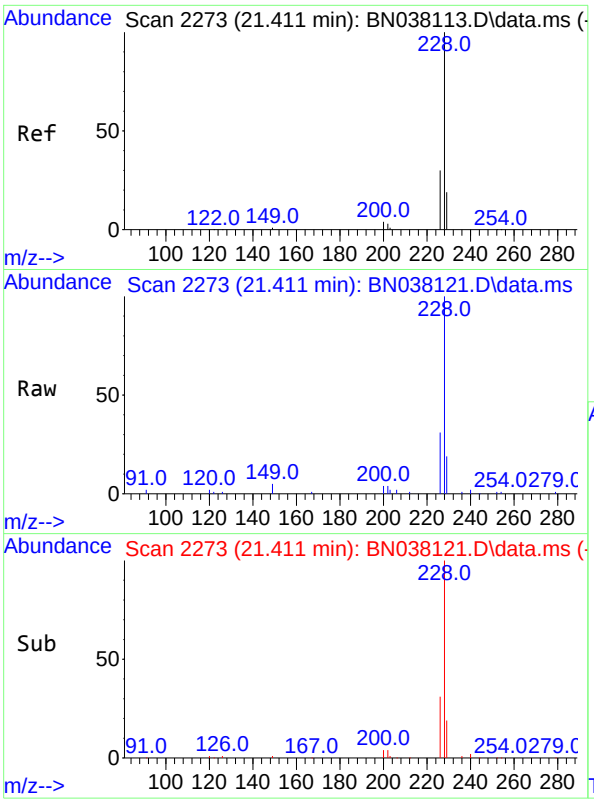


#32
Benzo(a)anthracene
Concen: 0.363 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:228 Resp: 28853

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.4
229	19.5	15.8	23.8



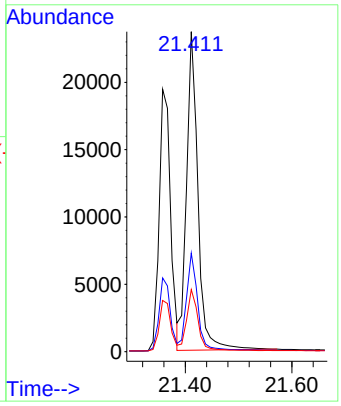


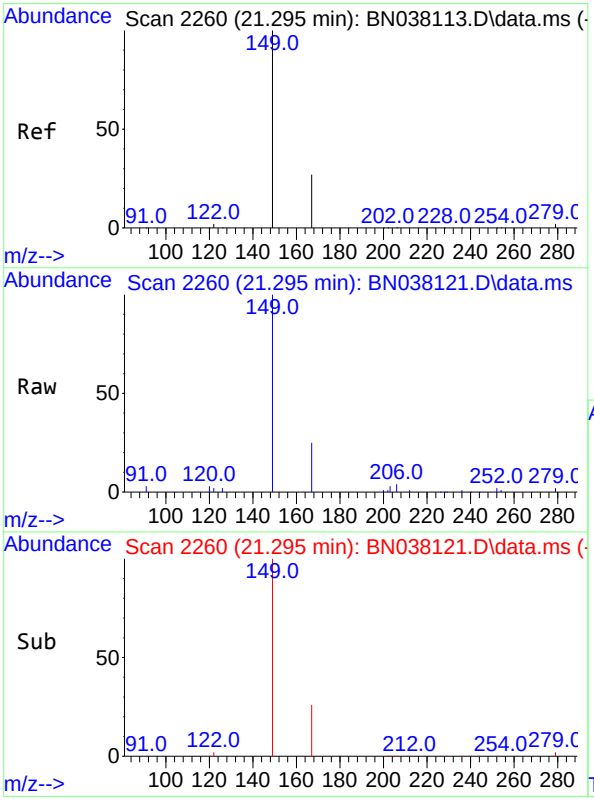
#33
Chrysene
Concen: 0.405 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 34997

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	19.4	15.7	23.5

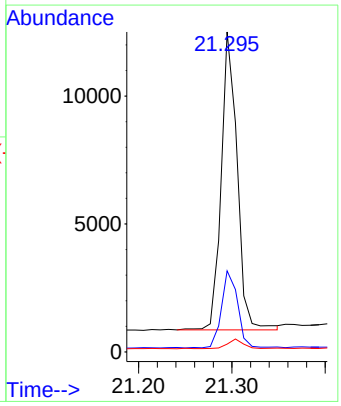


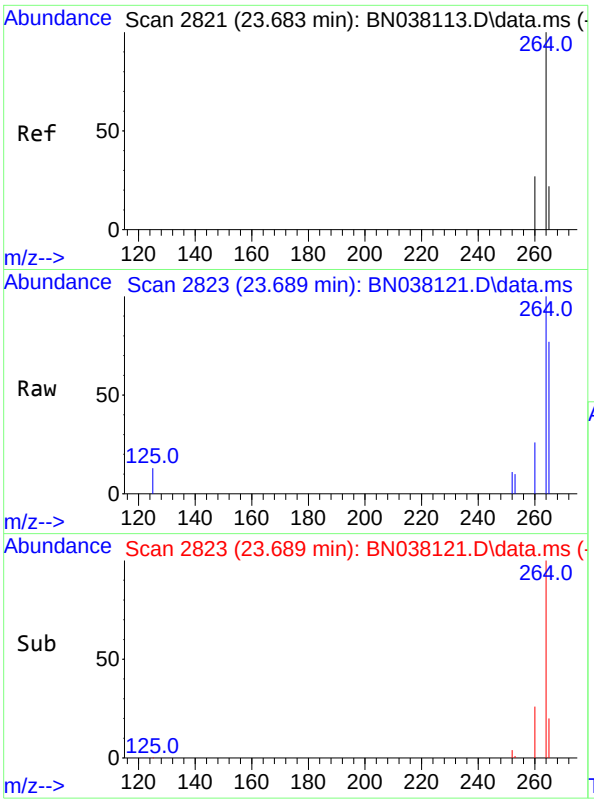


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.329 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:149 Resp: 13770

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.1	31.7
279	3.2	2.9	4.3



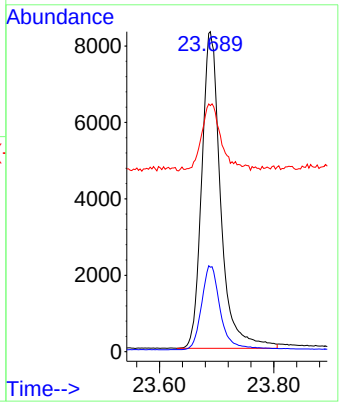


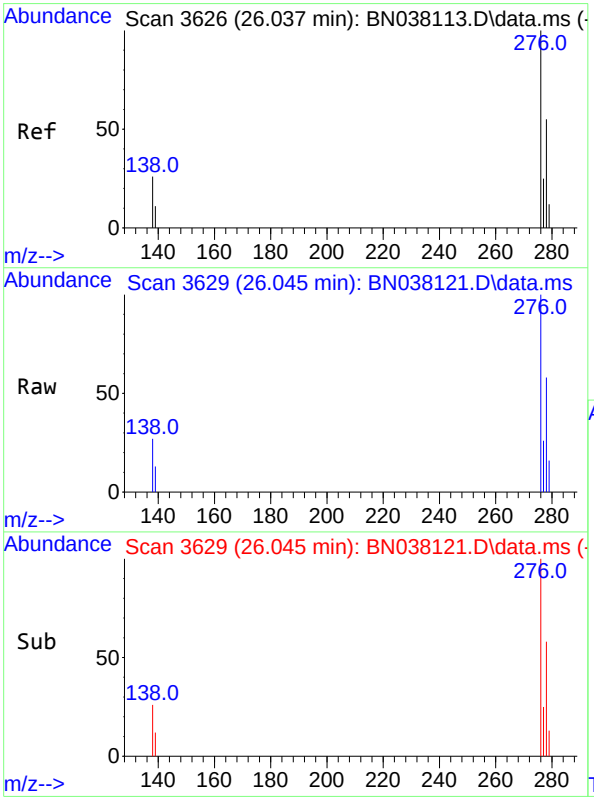
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.689 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 19014

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.8	32.8
265	76.9	68.6	102.8

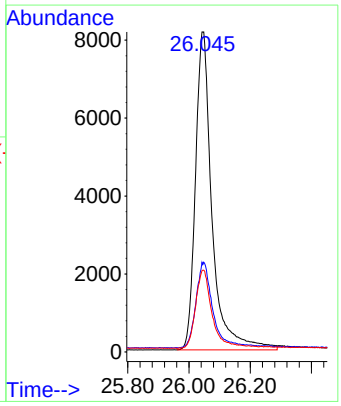


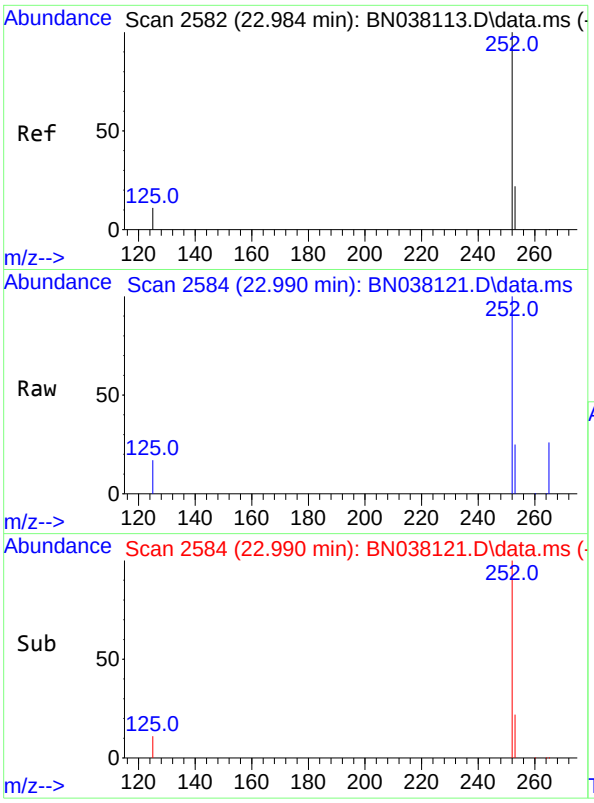


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.393 ng
RT: 26.045 min Scan# 3629
Delta R.T. 0.012 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:276 Resp: 30735

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.4	32.0
277	24.3	19.2	28.8



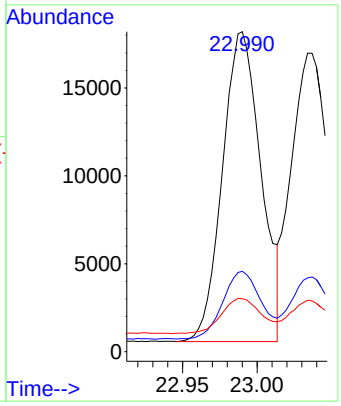


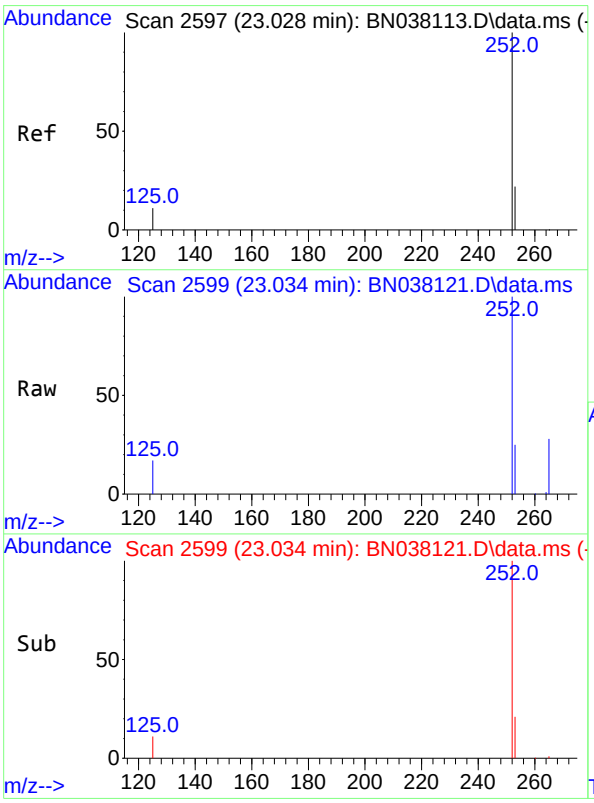
#37
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 22.990 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 31713

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.9	31.3
125	16.6	14.1	21.1

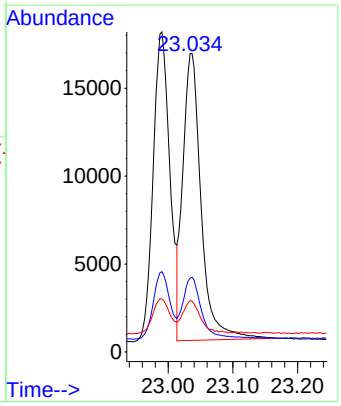


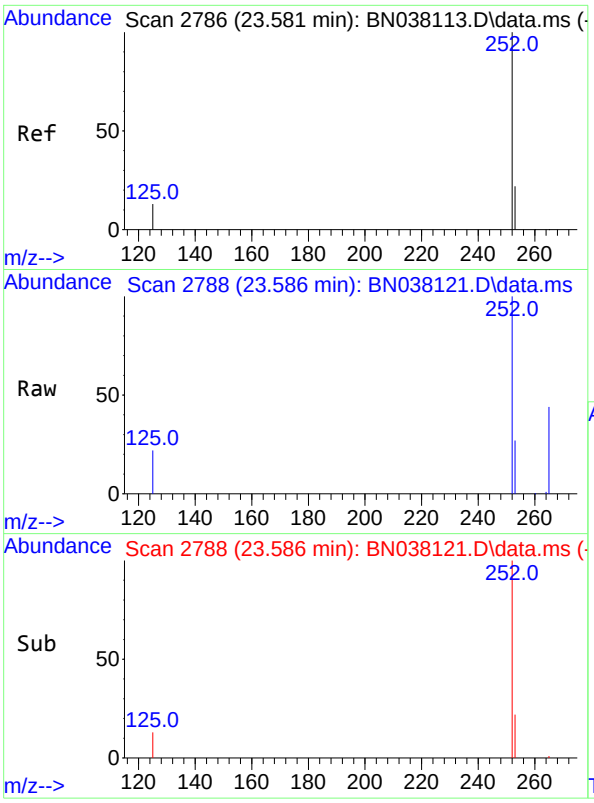


#38
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 23.034 min Scan# 2599
Delta R.T. 0.006 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:252 Resp: 32082

Ion	Ratio	Lower	Upper
252	100		
253	24.7	21.2	31.8
125	17.2	14.6	22.0



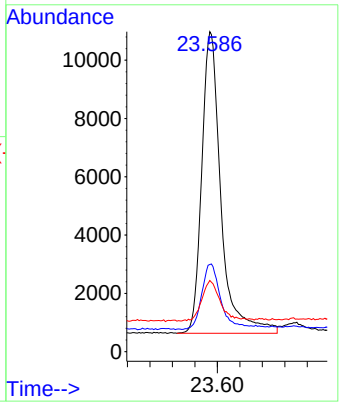


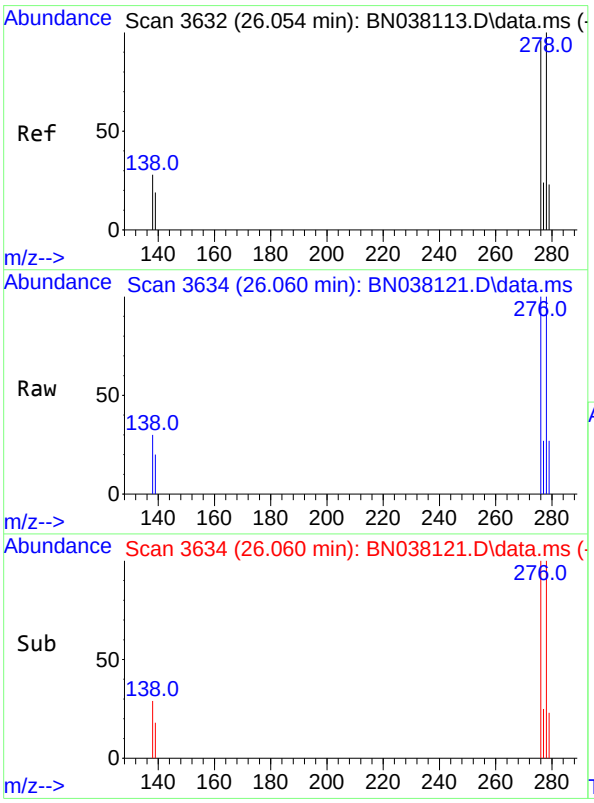
#39
Benzo(a)pyrene
Concen: 0.378 ng
RT: 23.586 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 24588

Ion	Ratio	Lower	Upper
252	100		
253	27.2	23.1	34.7
125	22.2	18.6	28.0

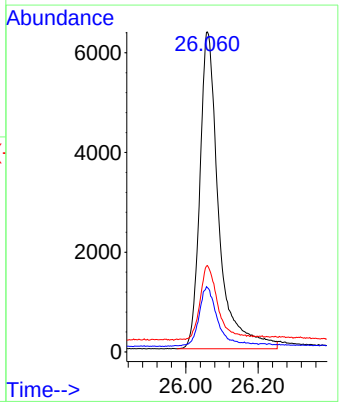


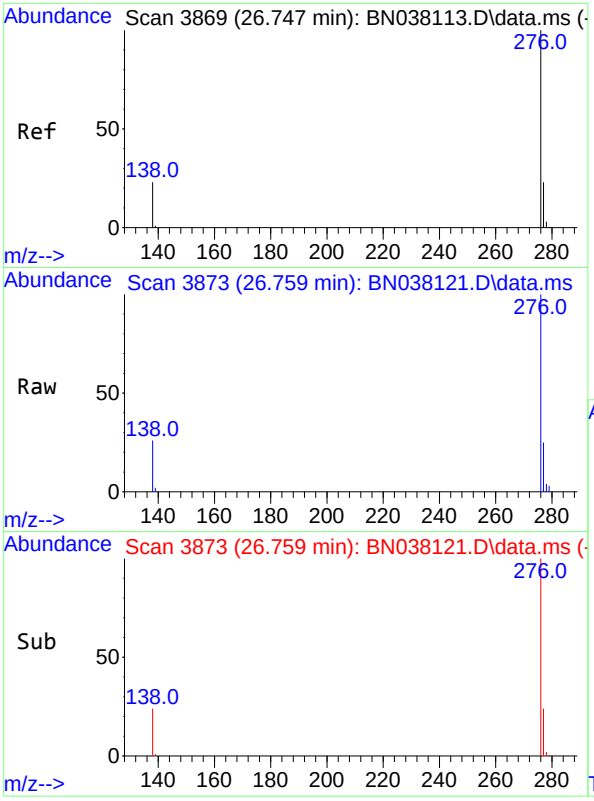


#40
Dibenzo(a,h)anthracene
Concen: 0.385 ng
RT: 26.060 min Scan# 3634
Delta R.T. 0.012 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Tgt Ion:278 Resp: 23122

Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.6	26.4
279	27.0	22.6	33.8





#41
Benzo(g,h,i)perylene
Concen: 0.403 ng
RT: 26.759 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN038121.D
Acq: 30 Oct 2025 10:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 27636

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.7	29.5
138	25.7	20.2	30.4