Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038153.D
Acq On : 07 Nov 2025 14:20
Operator : RC/JU
Sample : PB170427BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Quant Time: Nov 07 14:43:59 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	10026	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28983	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	15515	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	27421	0.400	ng	0.00
29) Chrysene-d12	21.375	240	14748	0.400	ng	0.00
35) Perylene-d12	23.686	264	12843	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	8412	0.356	ng	0.00
5) Phenol-d6	6.937	99	9765	0.339	ng	0.00
8) Nitrobenzene-d5	8.928	82	8483	0.363	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	15313	0.370	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1709	0.267	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	23399	0.377	ng	0.00
27) Fluoranthene-d10	19.220	212	20301	0.294	ng	0.00
31) Terphenyl-d14	19.819	244	15184	0.474	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3107	0.300	ng	# 63
3) n-Nitrosodimethylamine	3.564	42	4828	0.362	ng	# 92
6) bis(2-Chloroethyl)ether	7.190	93	9674	0.342	ng	97
9) Naphthalene	10.626	128	27698	0.347	ng	100
10) Hexachlorobutadiene	10.925	225	4883	0.363	ng	# 99
12) 2-Methylnaphthalene	12.248	142	16416	0.308	ng	99
16) Acenaphthylene	14.152	152	26047	0.371	ng	99
17) Acenaphthene	14.494	154	16275	0.331	ng	98
18) Fluorene	15.489	166	21962	0.341	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	924	0.360	ng	94
21) 4-Bromophenyl-phenylether	16.379	248	6464	0.360	ng	96
22) Hexachlorobenzene	16.503	284	7742	0.379	ng	98
23) Atrazine	16.652	200	4195	0.319	ng	99
24) Pentachlorophenol	16.838	266	4005	0.455	ng	98
25) Phenanthrene	17.223	178	30077	0.345	ng	100
26) Anthracene	17.322	178	26370	0.346	ng	100
28) Fluoranthene	19.252	202	27890	0.287	ng	100
30) Pyrene	19.615	202	27217	0.409	ng	100
32) Benzo(a)anthracene	21.357	228	18326	0.348	ng	99
33) Chrysene	21.411	228	21315	0.373	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	8356	0.302	ng	99
36) Indeno(1,2,3-cd)pyrene	26.039	276	23211	0.440	ng	99
37) Benzo(b)fluoranthene	22.987	252	18803	0.342	ng	95
38) Benzo(k)fluoranthene	23.031	252	19981	0.362	ng	97
39) Benzo(a)pyrene	23.583	252	16370	0.372	ng	95
40) Dibenzo(a,h)anthracene	26.057	278	17788	0.438	ng	99
41) Benzo(g,h,i)perylene	26.756	276	20005	0.431	ng	99

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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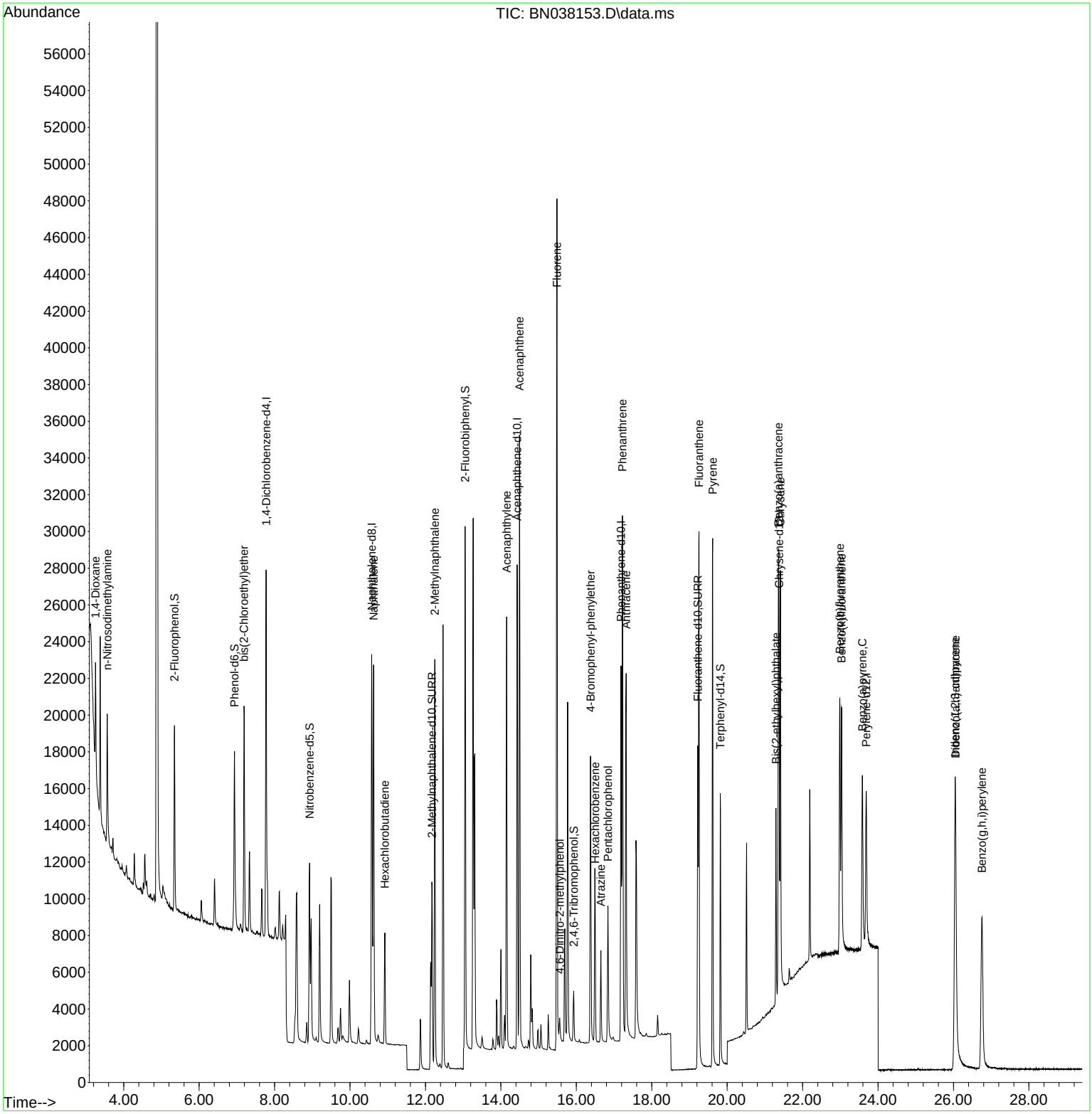
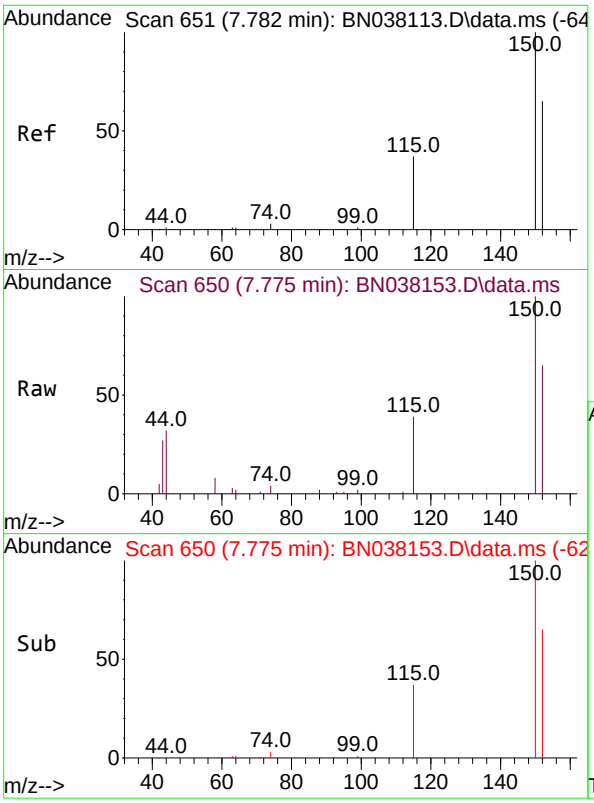


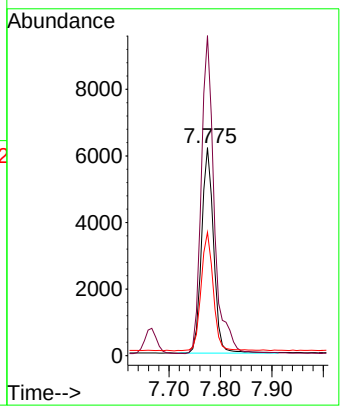


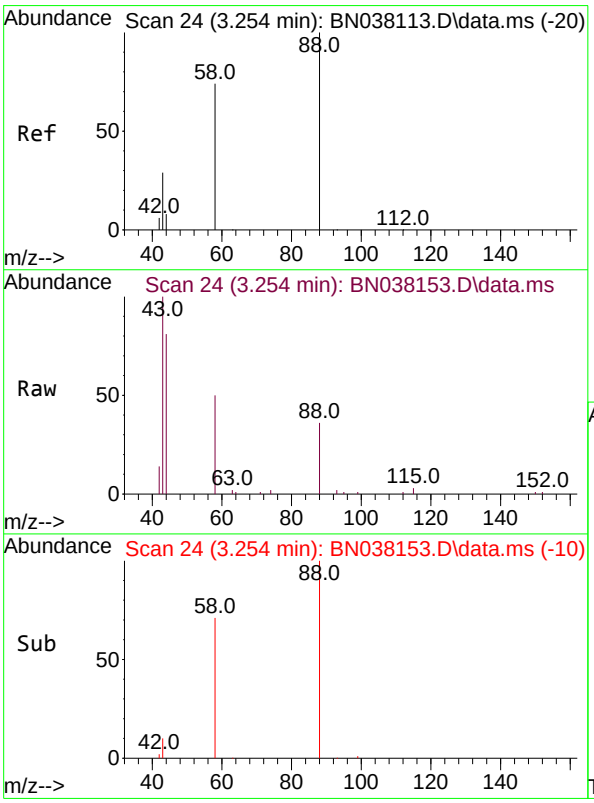
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:152 Resp: 10026

Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.3	183.5
115	59.3	47.4	71.0

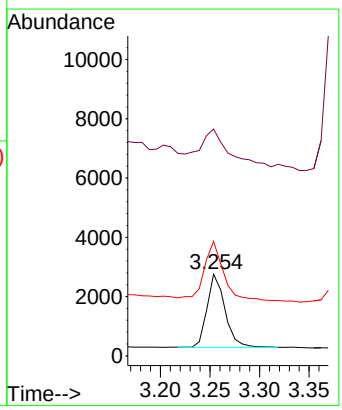


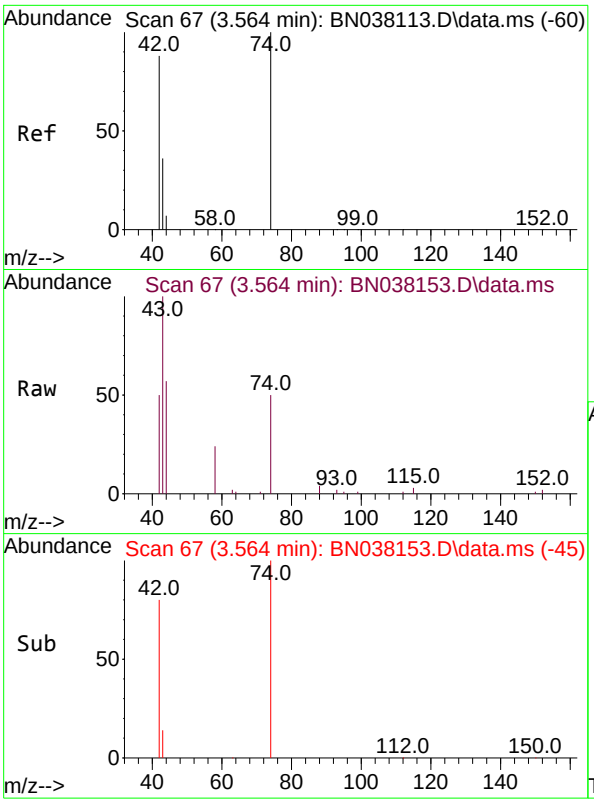


#2
1,4-Dioxane
Concen: 0.300 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion: 88 Resp: 3107

Ion	Ratio	Lower	Upper
88	100		
43	77.8	24.3	36.5#
58	90.5	60.4	90.6



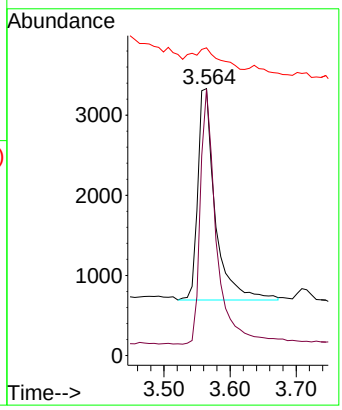


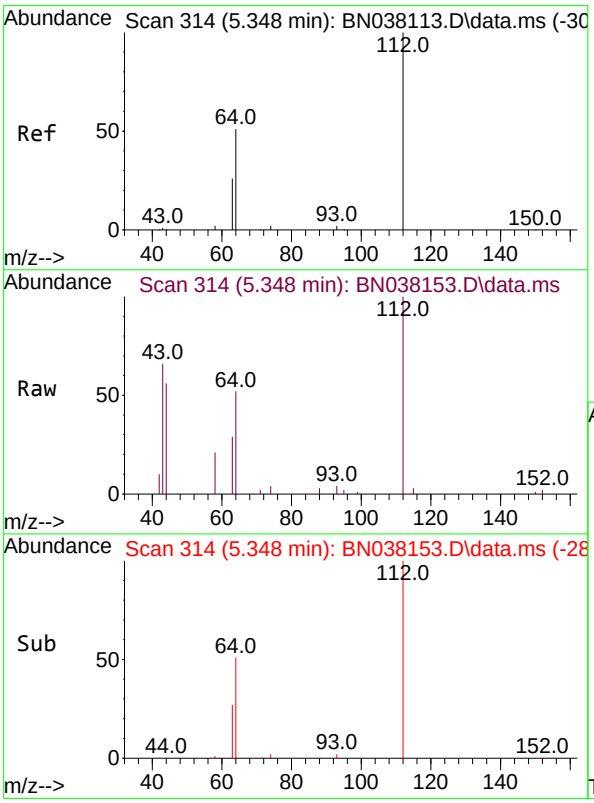
#3
n-Nitrosodimethylamine
Concen: 0.362 ng
RT: 3.564 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion: 42 Resp: 4828

Ion	Ratio	Lower	Upper
42	100		
74	112.6	96.8	145.2
44	10.8	5.3	7.9#

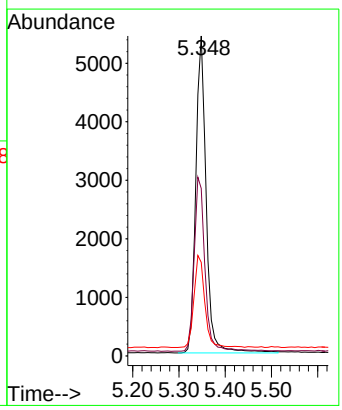


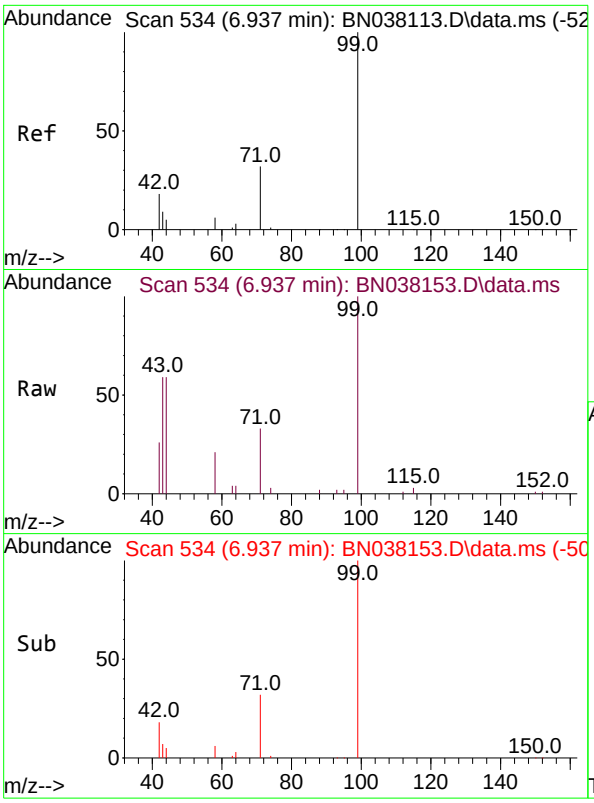


#4
2-Fluorophenol
Concen: 0.356 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:112 Resp: 8412

Ion	Ratio	Lower	Upper
112	100		
64	56.9	45.4	68.0
63	29.9	23.2	34.8



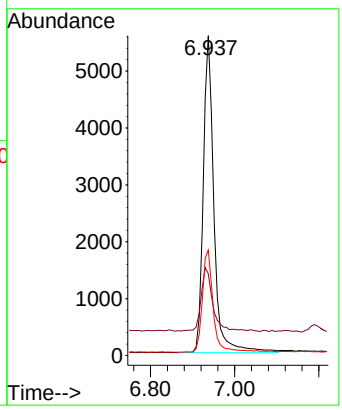


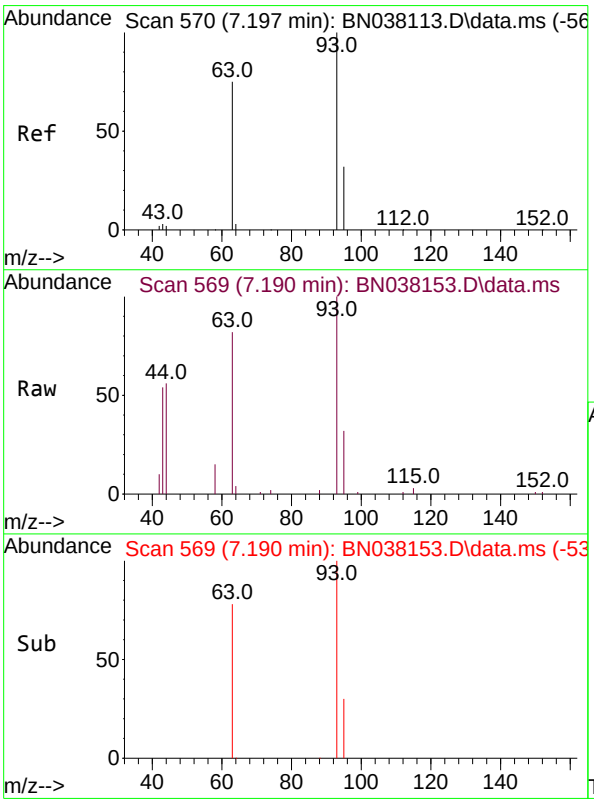
#5
Phenol-d6
Concen: 0.339 ng
RT: 6.937 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion: 99 Resp: 9765

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	24.8
71	33.0	25.4	38.2

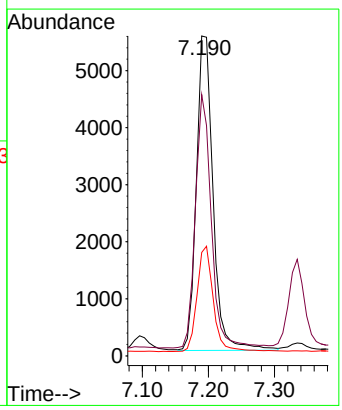


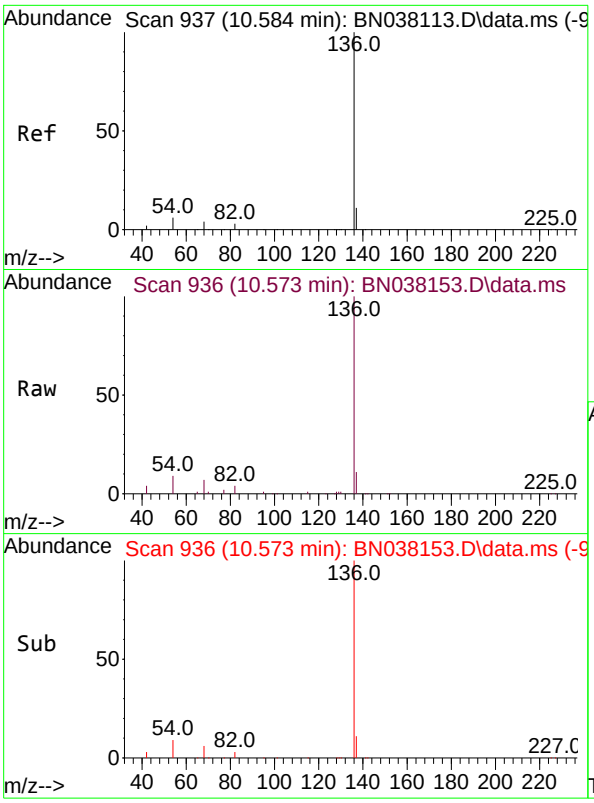


#6
bis(2-Chloroethyl)ether
Concen: 0.342 ng
RT: 7.190 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion: 93 Resp: 9674

Ion	Ratio	Lower	Upper
93	100		
63	76.7	59.3	88.9
95	32.6	25.2	37.8



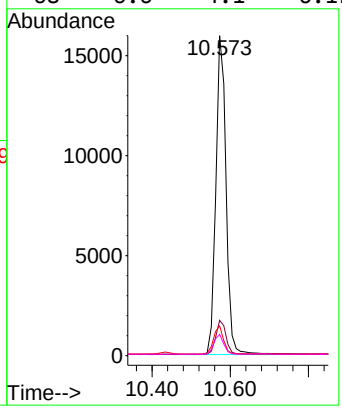


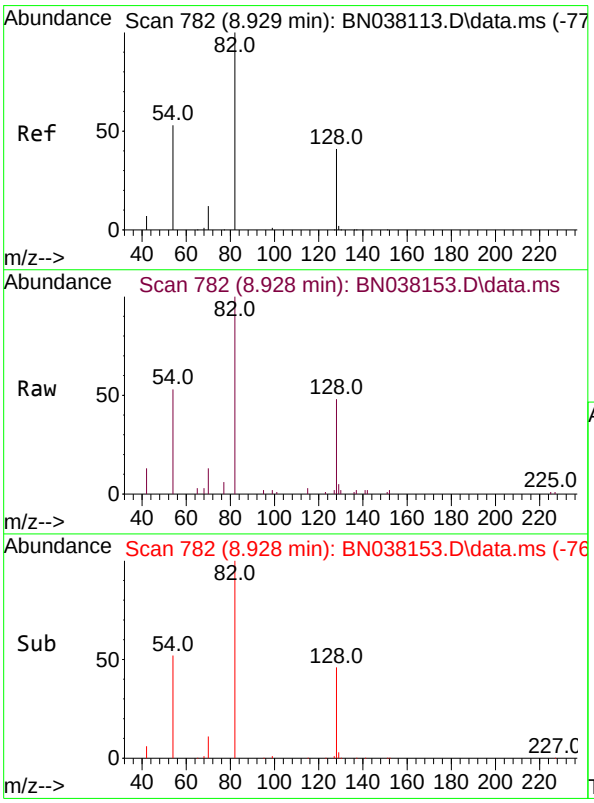
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:136 Resp: 28983

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.3	5.2	7.8#
68	6.6	4.1	6.1#

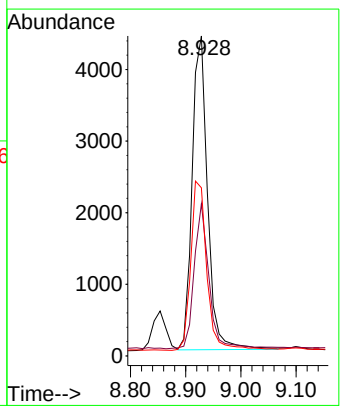


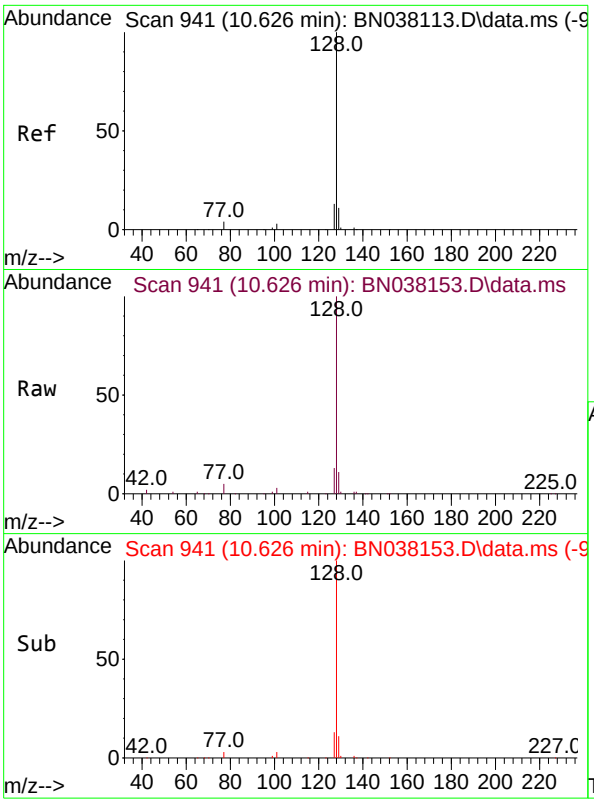


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion: 82 Resp: 8483

Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.1	51.1
54	52.5	43.5	65.3



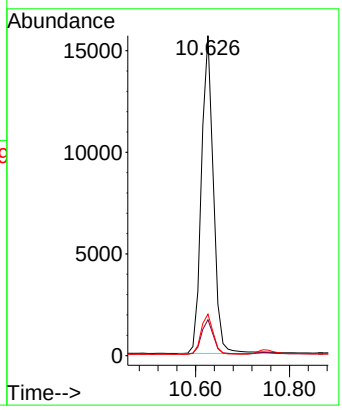


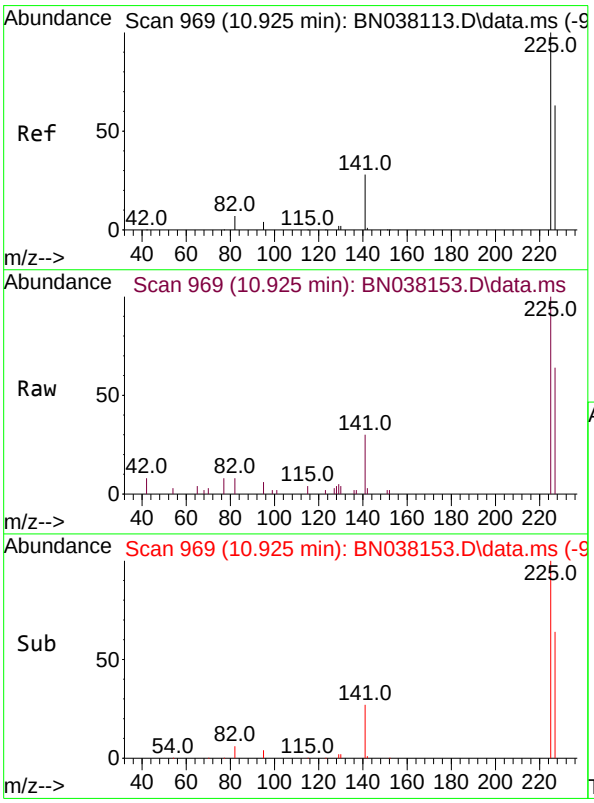
#9
Naphthalene
Concen: 0.347 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:128 Resp: 27698

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.0	10.5	15.7

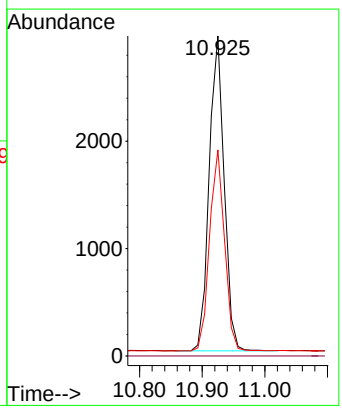


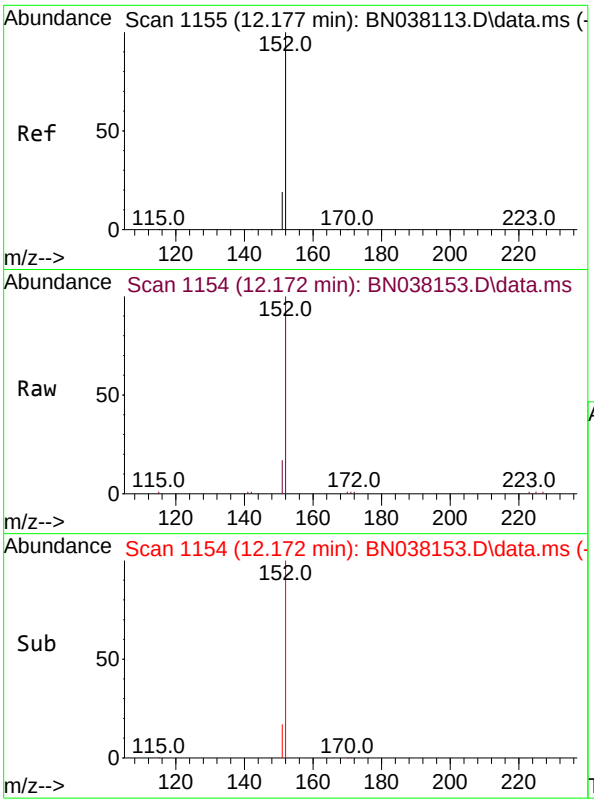


#10
Hexachlorobutadiene
Concen: 0.363 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:225 Resp: 4883

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.3	75.5



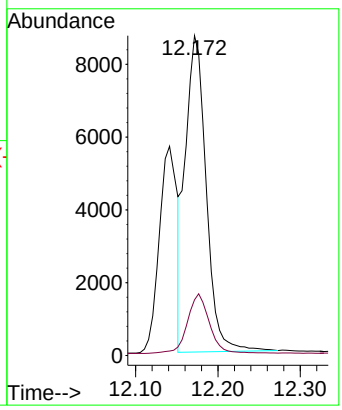


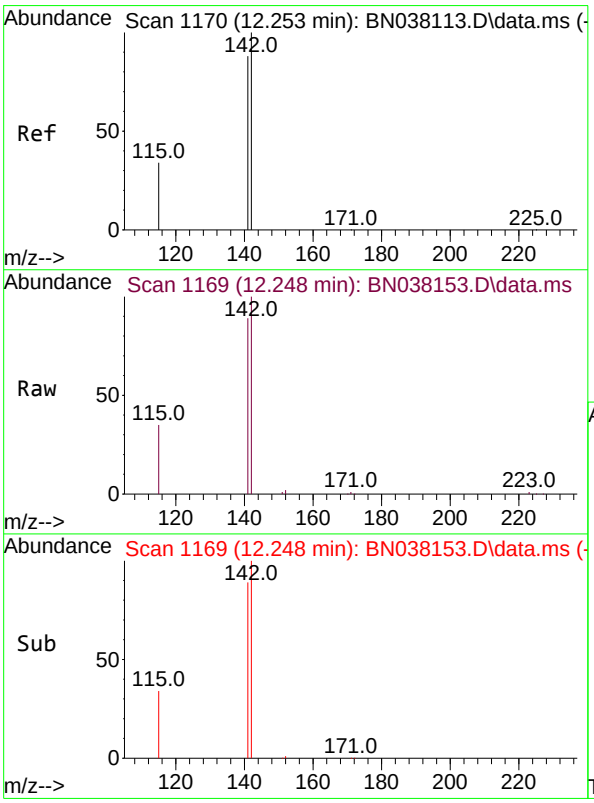
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.172 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:152 Resp: 15313

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2

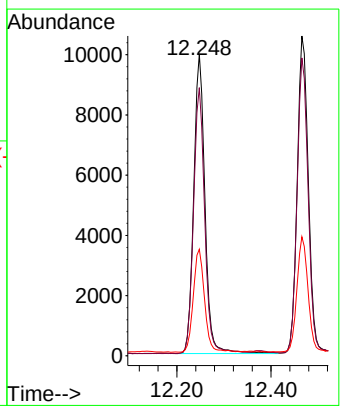


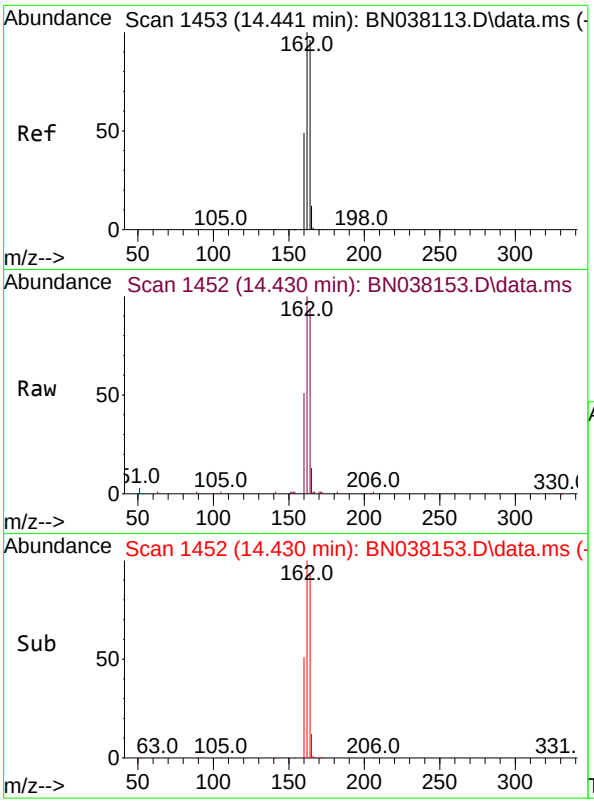


#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:142 Resp: 16416

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
115	35.3	27.8	41.6



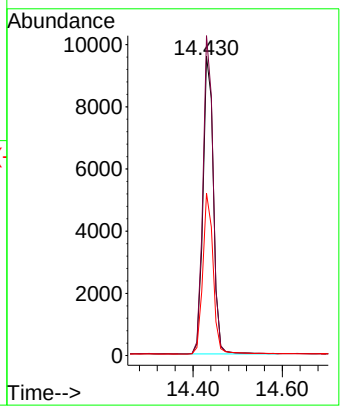


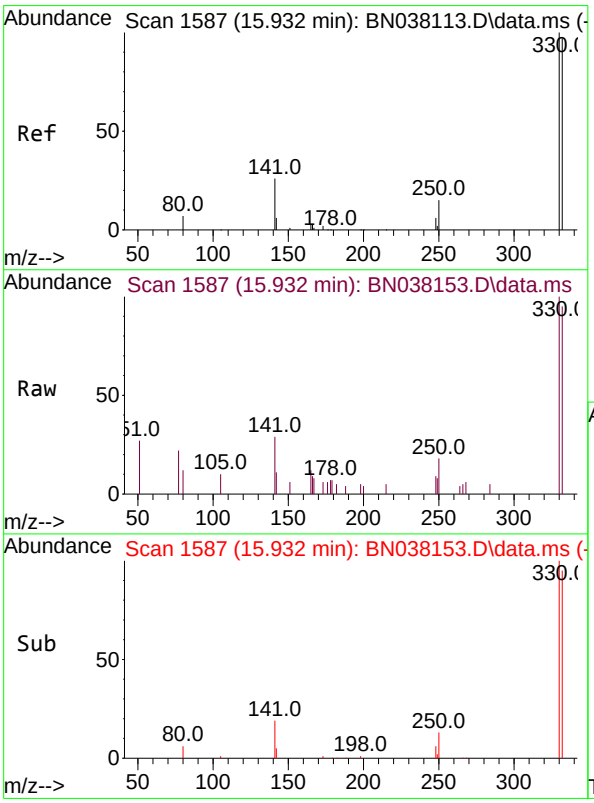
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:164 Resp: 15515

Ion	Ratio	Lower	Upper
164	100		
162	106.9	83.0	124.4
160	54.2	40.7	61.1

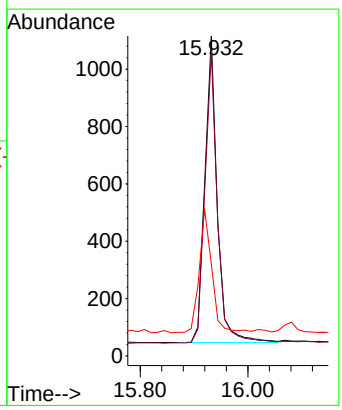


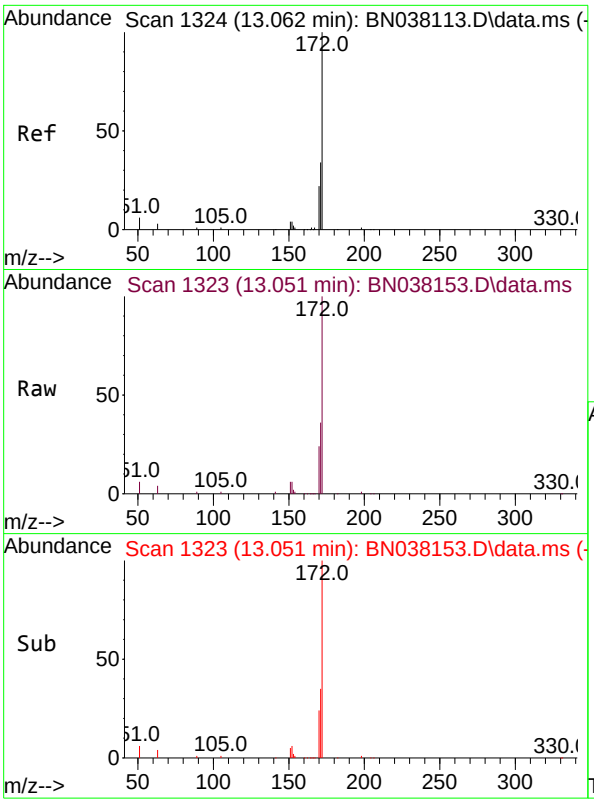


#14
2,4,6-Tribromophenol
Concen: 0.267 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:330 Resp: 1709

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	41.1	34.1	51.1



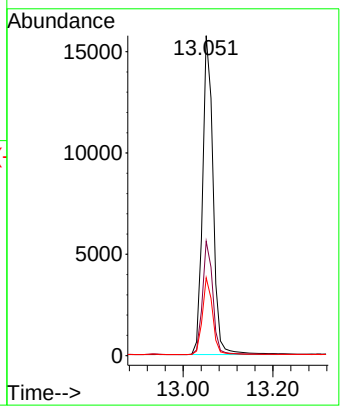


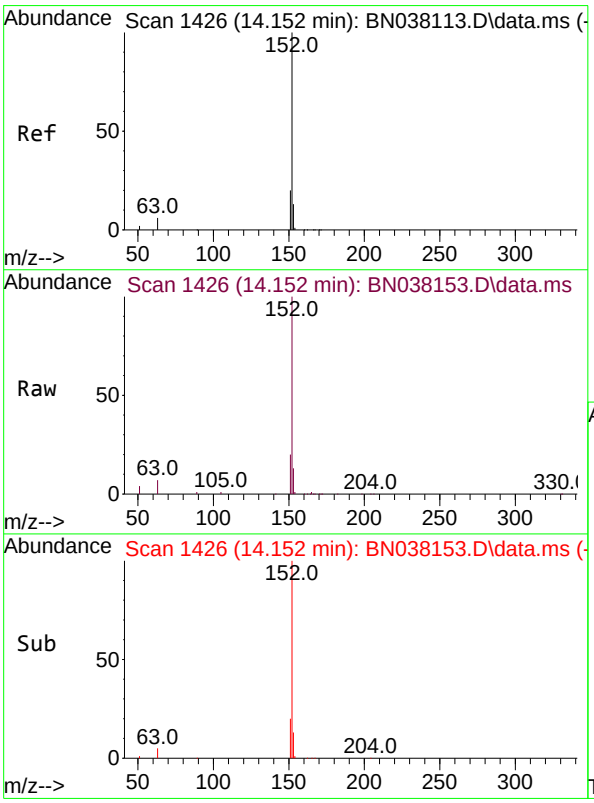
#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:172 Resp: 23399

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.3	18.1	27.1

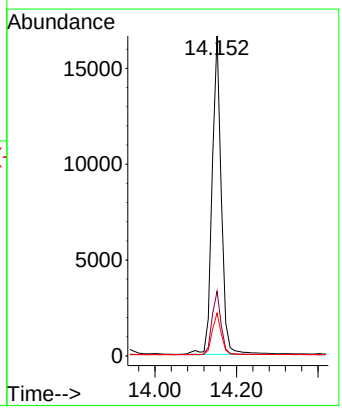


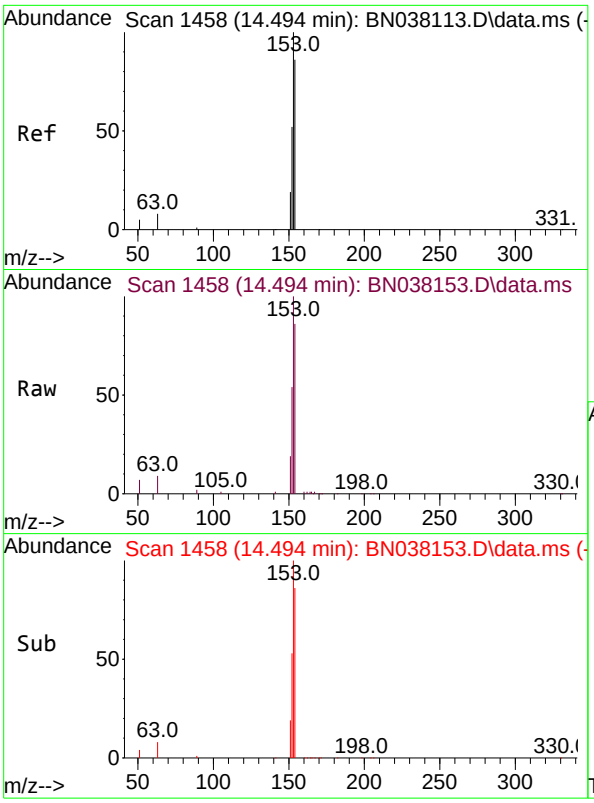


#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:152 Resp: 26047

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	12.9	10.2	15.2



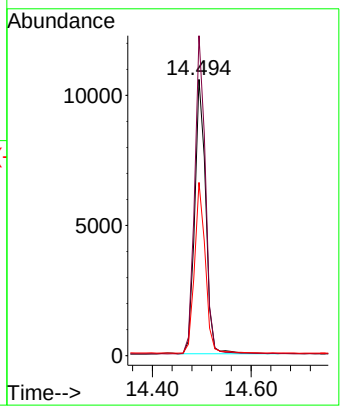


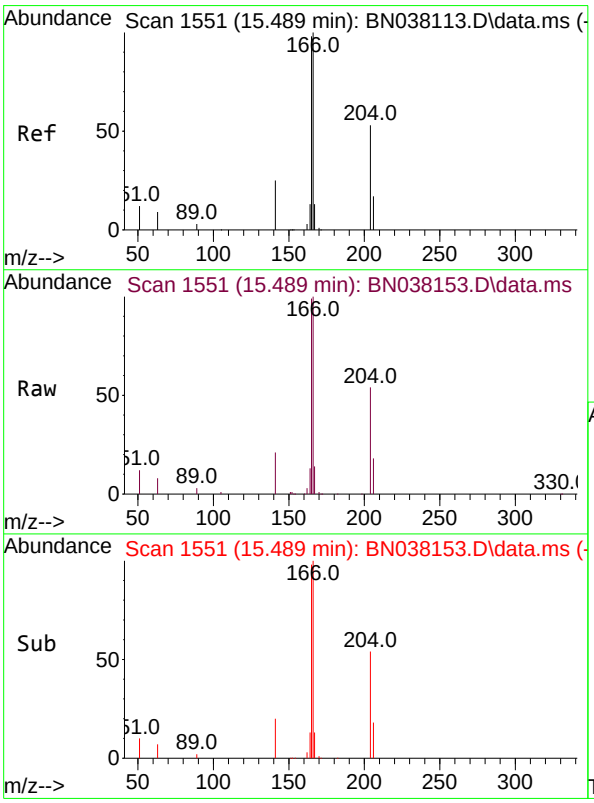
#17
Acenaphthene
Concen: 0.331 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:154 Resp: 16275

Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.0	135.0
152	61.2	47.3	70.9

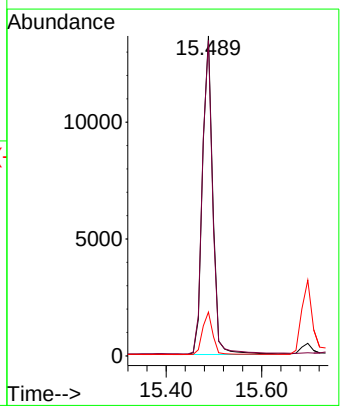


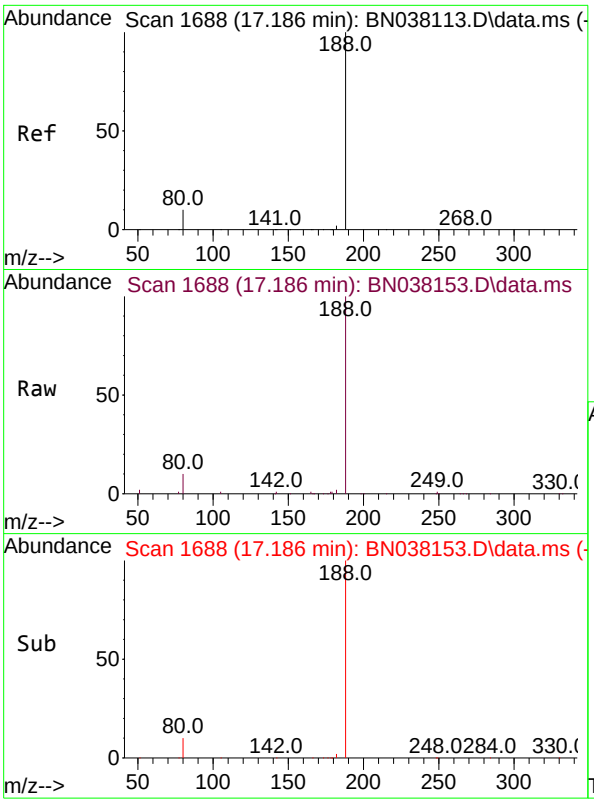


#18
Fluorene
Concen: 0.341 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:166 Resp: 21962

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.4
167	13.4	10.7	16.1



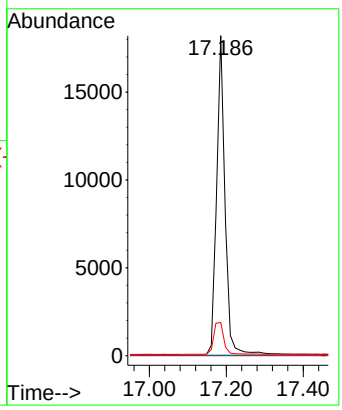


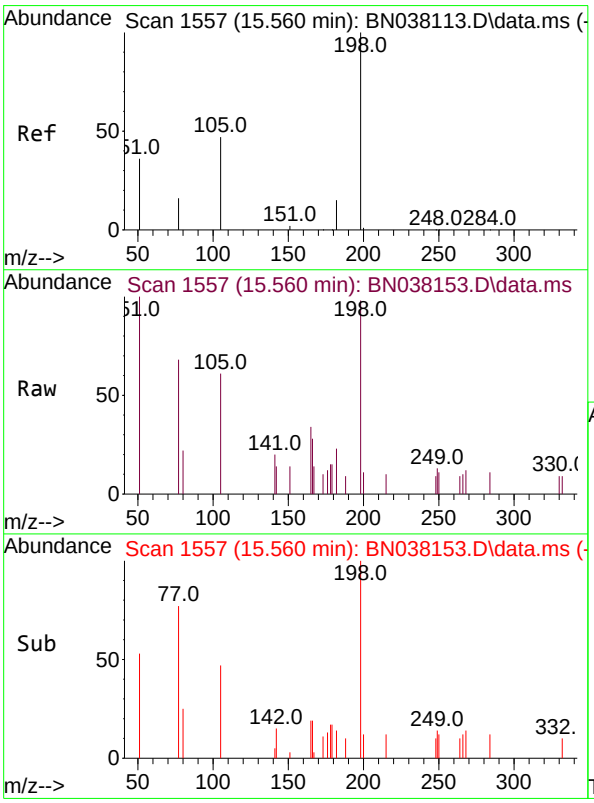
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:188 Resp: 27421

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.6	13.0

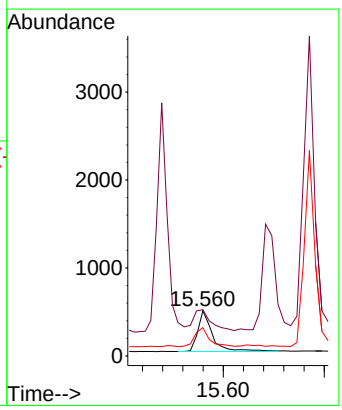


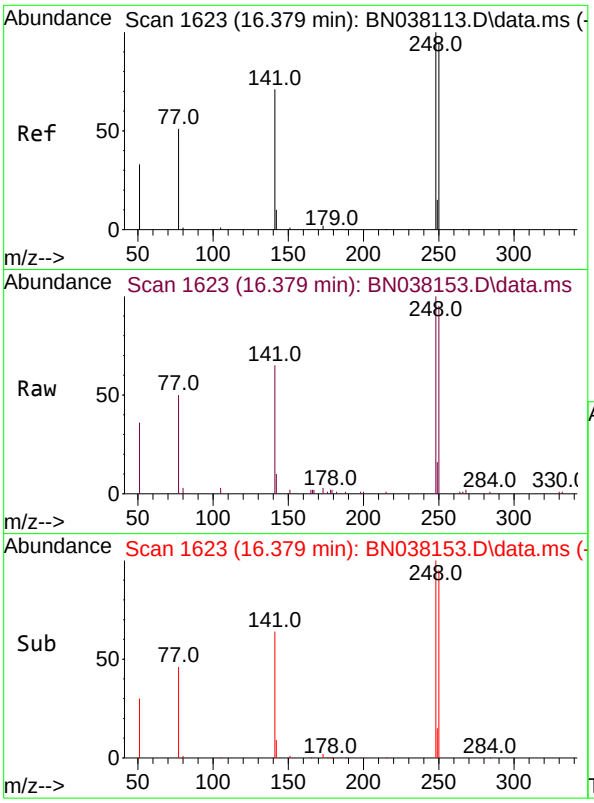


#20
4,6-Dinitro-2-methylphenol
Concen: 0.360 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:198 Resp: 924

Ion	Ratio	Lower	Upper
198	100		
51	102.5	88.9	133.3
105	62.7	49.2	73.8



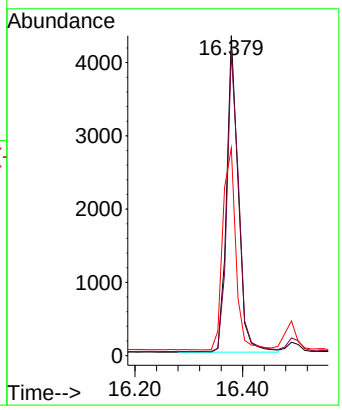


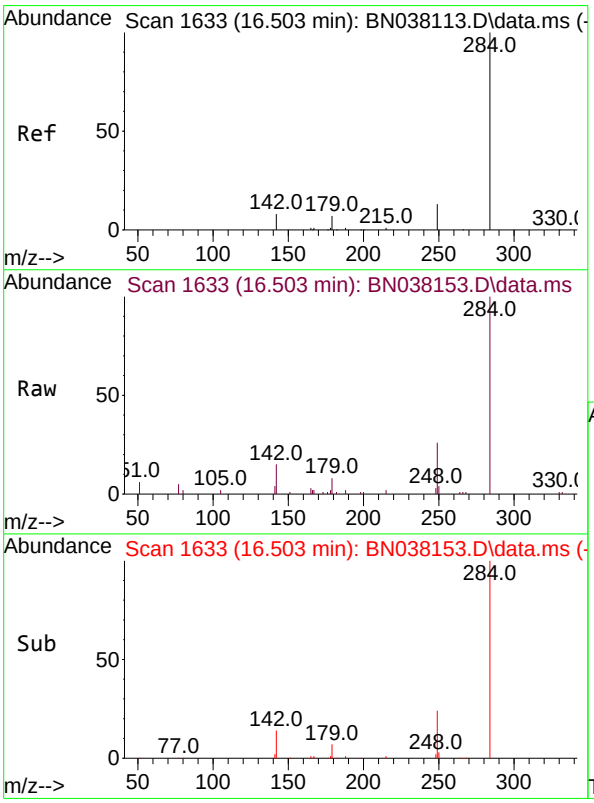
#21
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:248 Resp: 6464

Ion	Ratio	Lower	Upper
248	100		
250	95.1	76.2	114.2
141	64.8	57.6	86.4

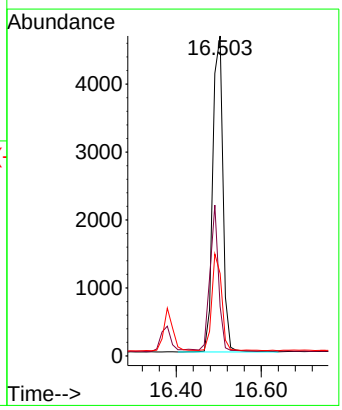


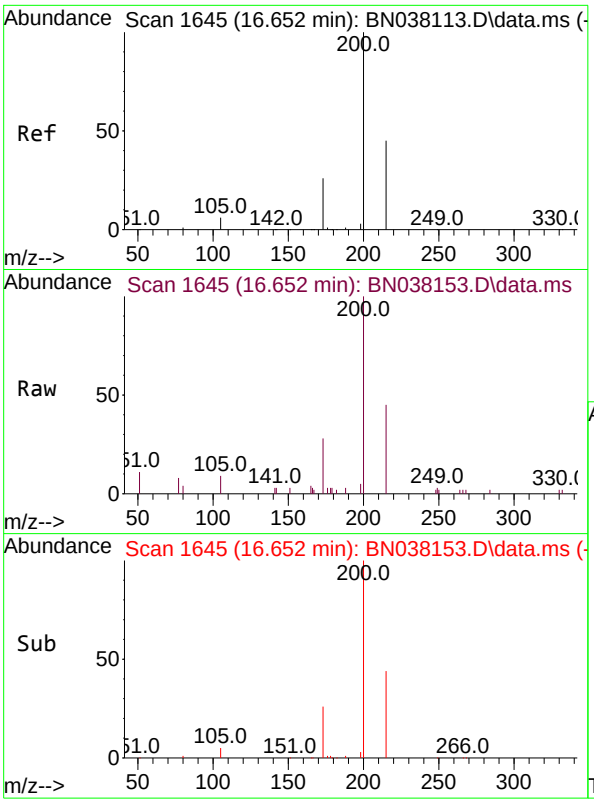


#22
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:284 Resp: 7742

Ion	Ratio	Lower	Upper
284	100		
142	39.5	30.5	45.7
249	29.1	23.5	35.3



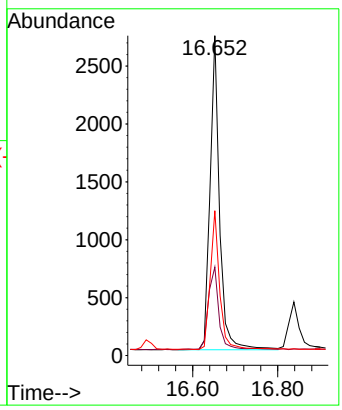


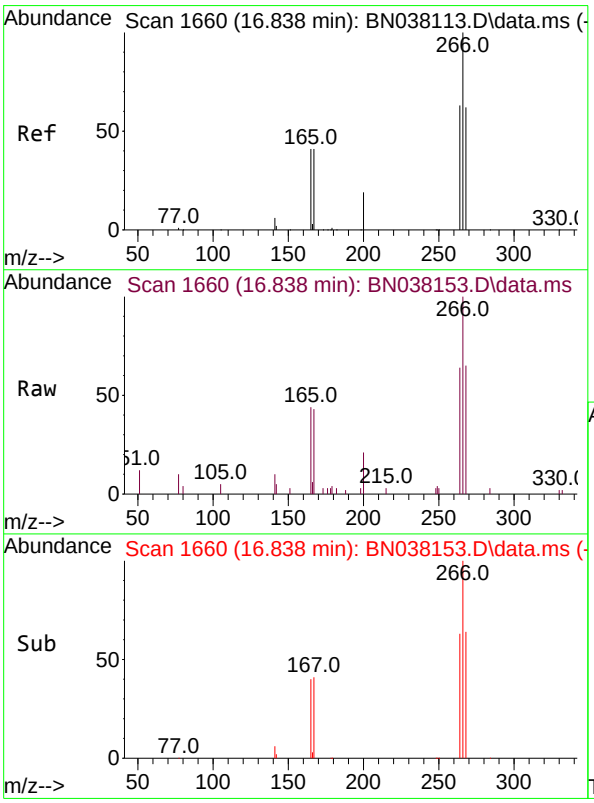
#23
Atrazine
Concen: 0.319 ng
RT: 16.652 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:200 Resp: 4195

Ion	Ratio	Lower	Upper
200	100		
173	27.7	21.4	32.2
215	45.3	36.7	55.1

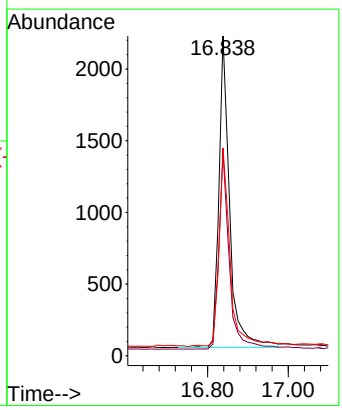


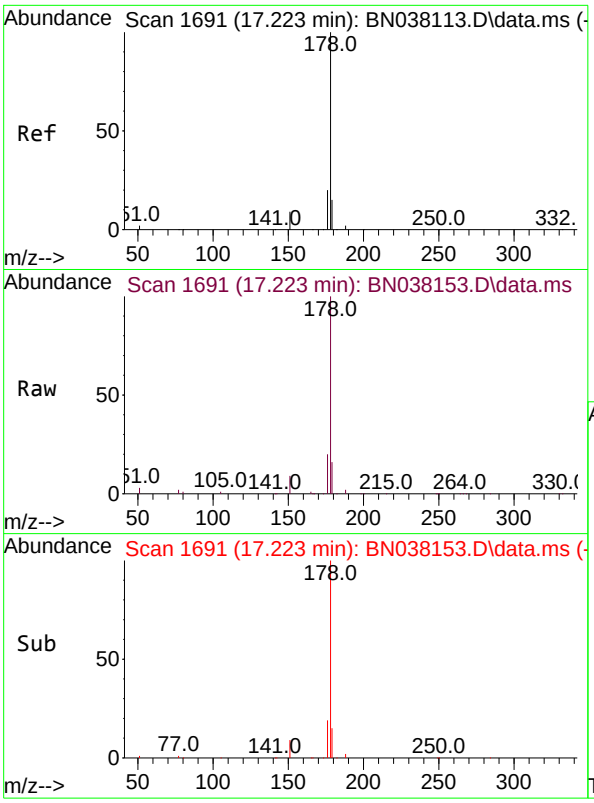


#24
Pentachlorophenol
Concen: 0.455 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:266 Resp: 4005

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.3	73.9
268	66.2	50.6	75.8



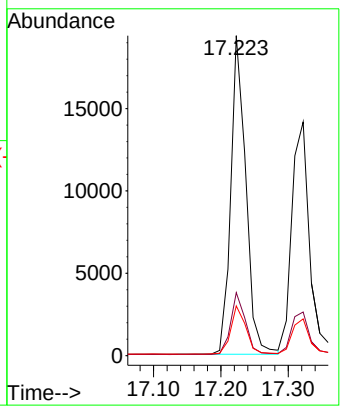


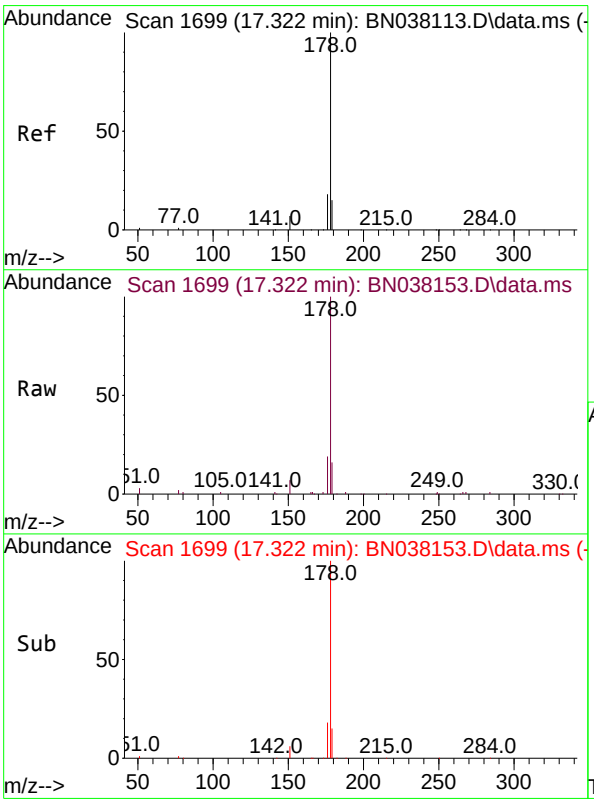
#25
Phenanthrene
Concen: 0.345 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:178 Resp: 30077

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.2	18.4

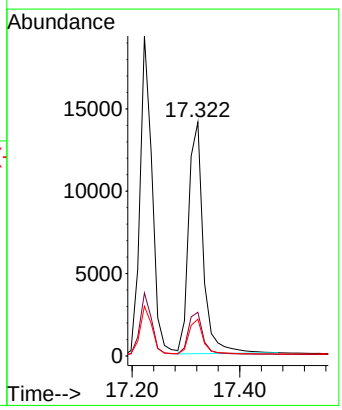


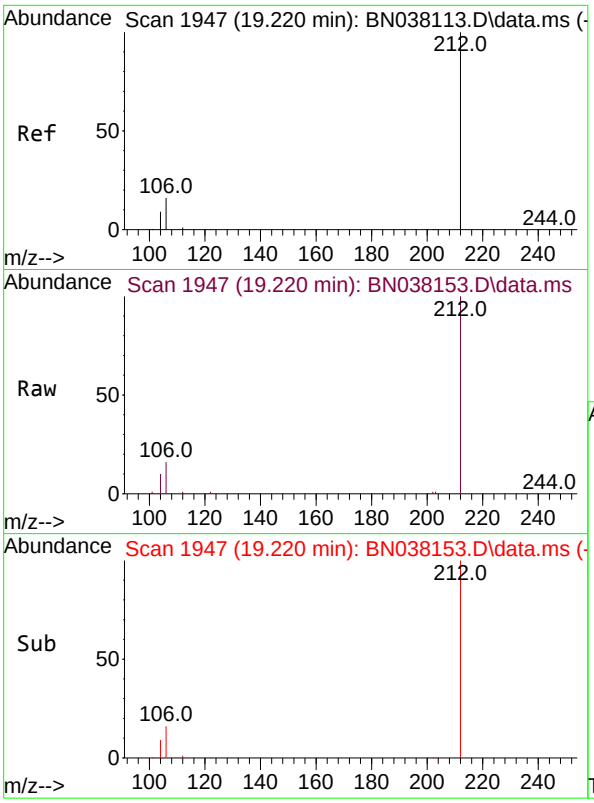


#26
Anthracene
Concen: 0.346 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:178 Resp: 26370

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.0	11.8	17.8



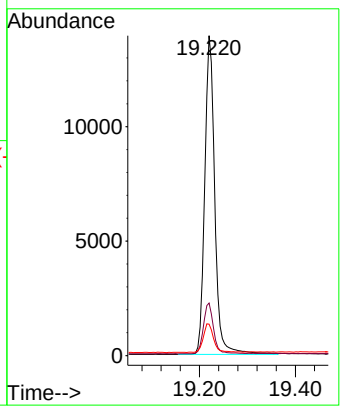


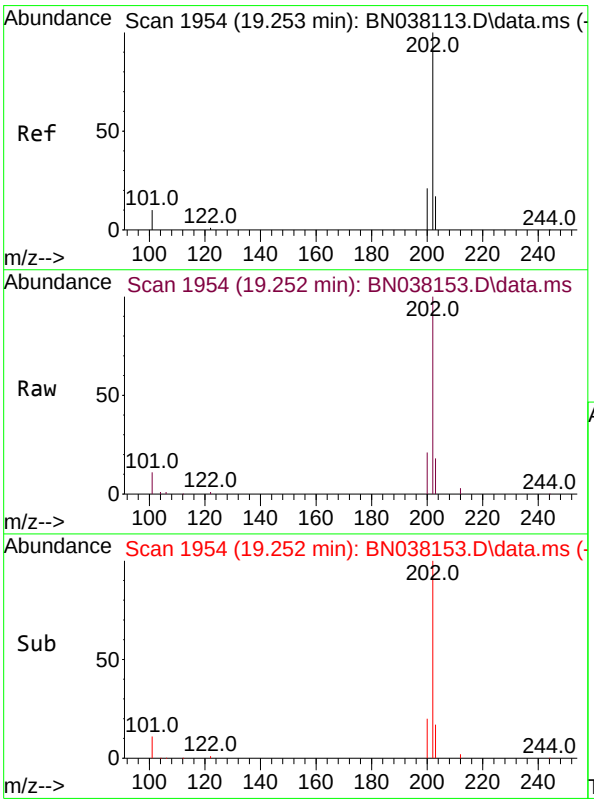
#27
Fluoranthene-d10
Concen: 0.294 ng
RT: 19.220 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:212 Resp: 20301

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.2	7.1	10.7

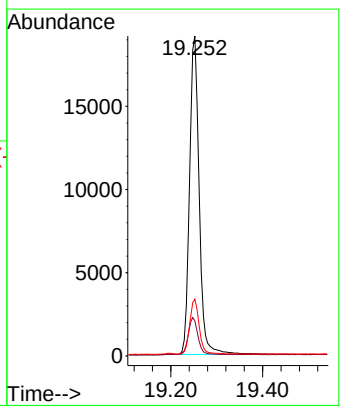


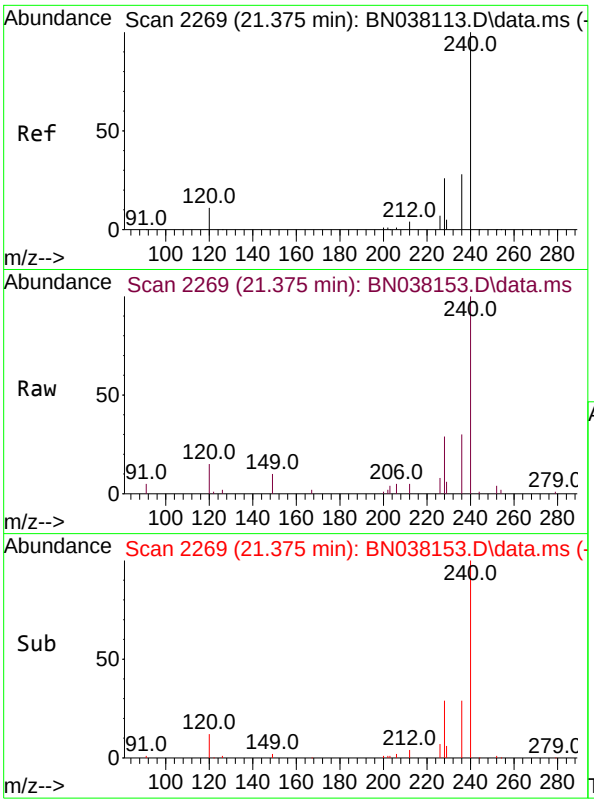


#28
Fluoranthene
Concen: 0.287 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:202 Resp: 27890

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



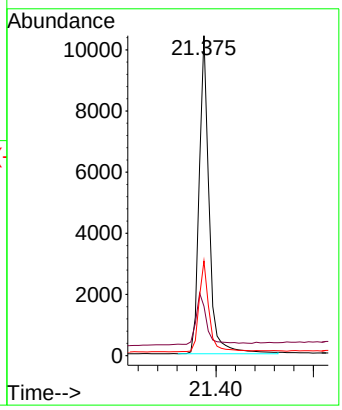


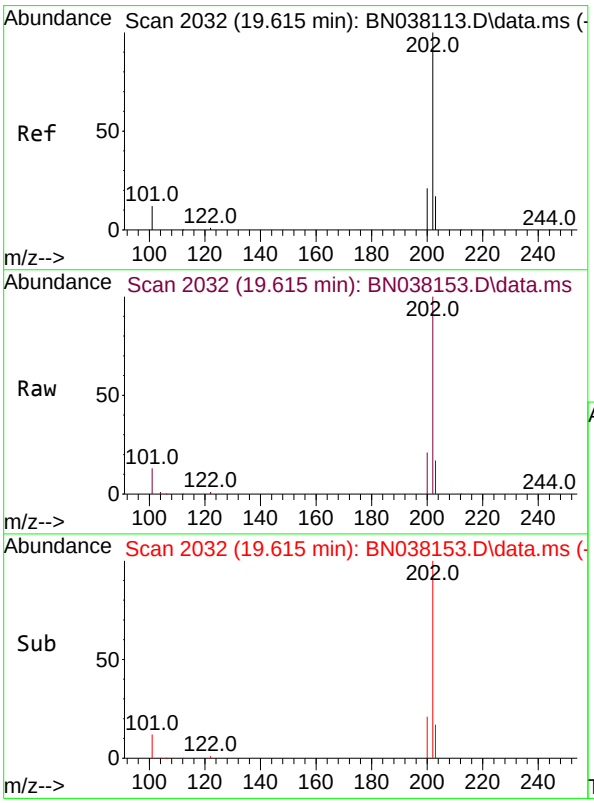
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:240 Resp: 14748

Ion	Ratio	Lower	Upper
240	100		
120	15.4	10.7	16.1
236	29.6	23.1	34.7

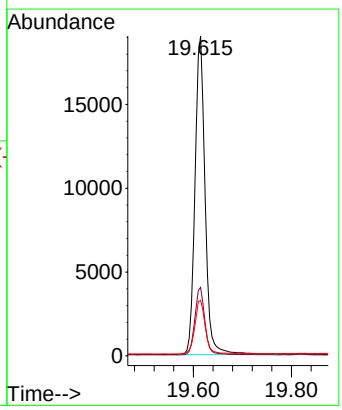


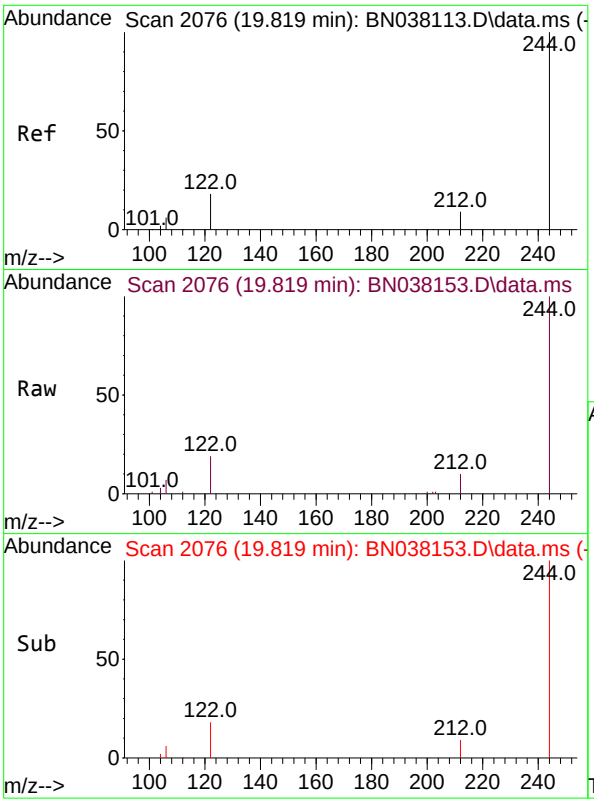


#30
Pyrene
Concen: 0.409 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.004 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:202 Resp: 27217

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.2	21.2



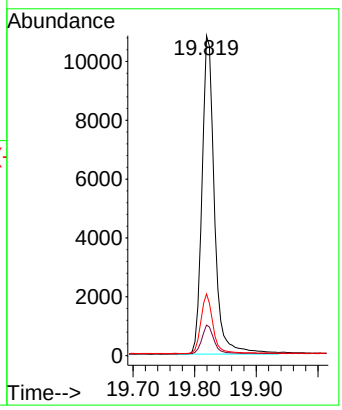


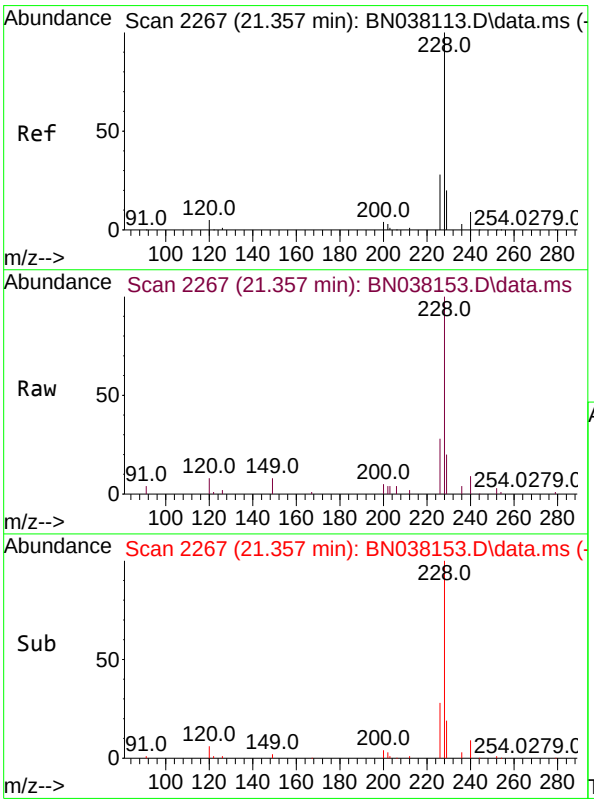
#31
Terphenyl-d14
Concen: 0.474 ng
RT: 19.819 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:244 Resp: 15184

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.8	11.6
122	19.3	15.2	22.8

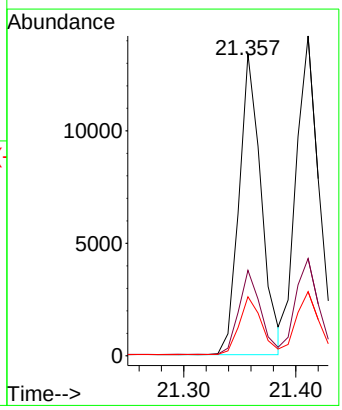


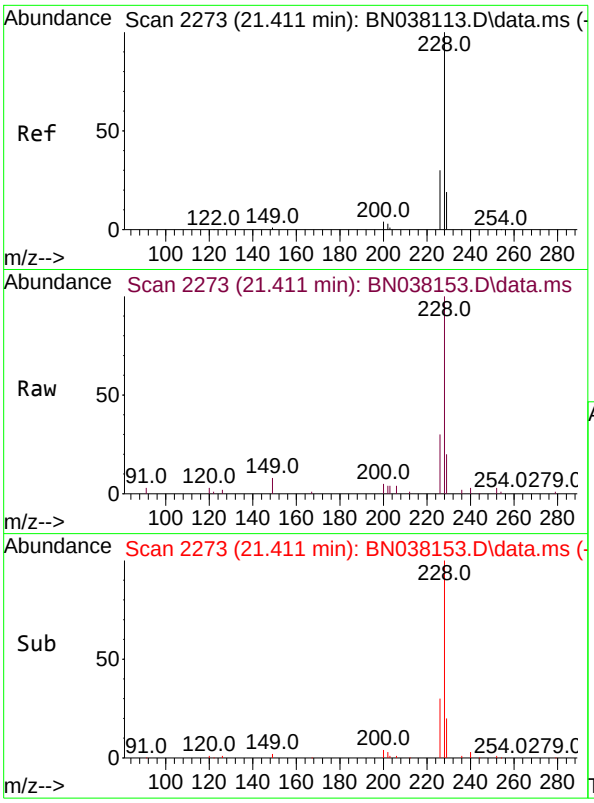


#32
Benzo(a)anthracene
Concen: 0.348 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:228 Resp: 18326

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	19.6	15.8	23.8



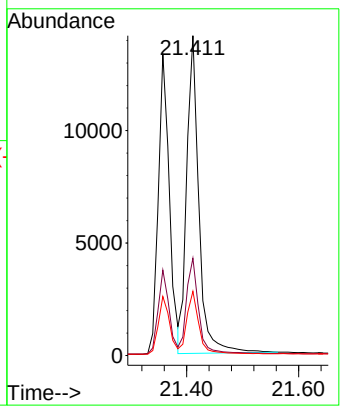


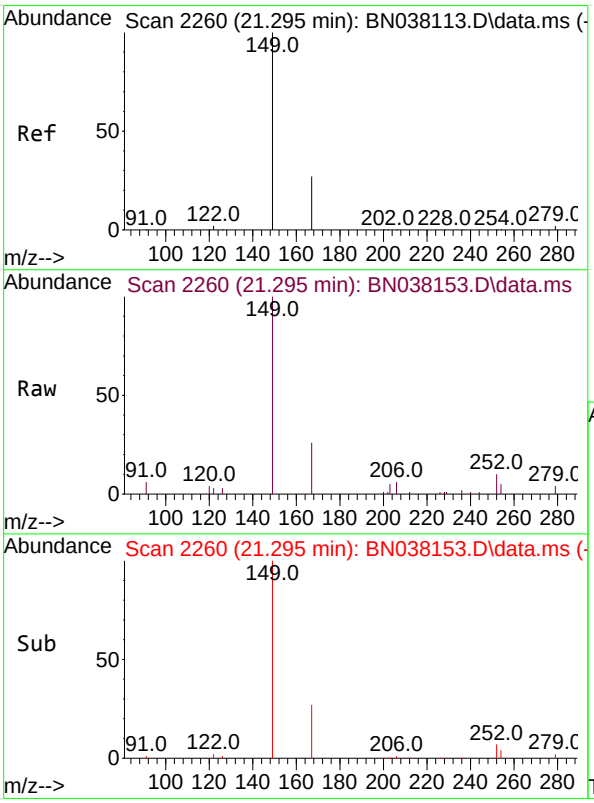
#33
Chrysene
Concen: 0.373 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:228 Resp: 21315

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.1	15.7	23.5

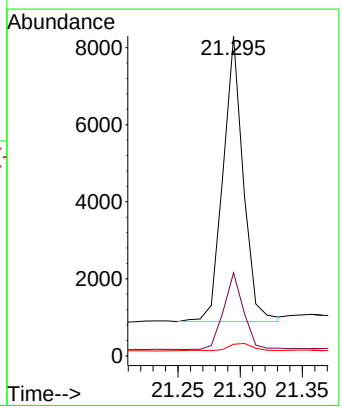


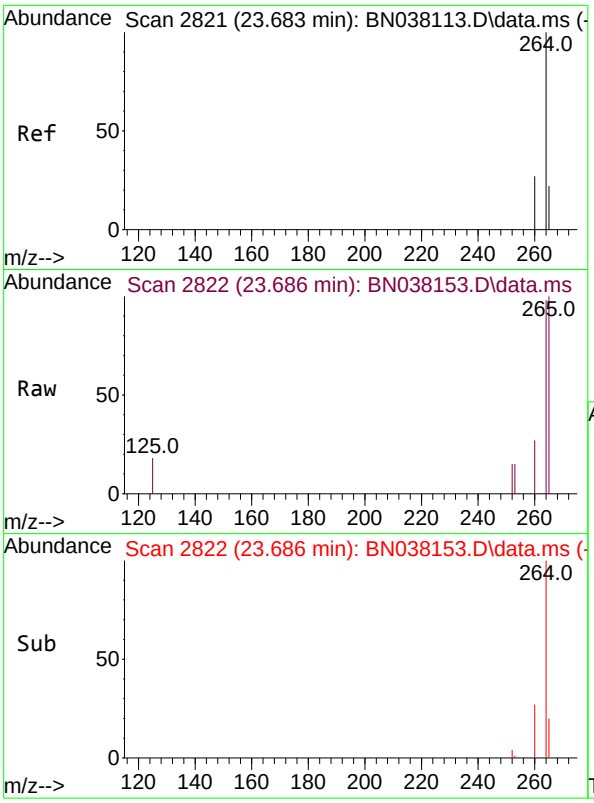


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.302 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:149 Resp: 8356

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.1	31.7
279	3.3	2.9	4.3



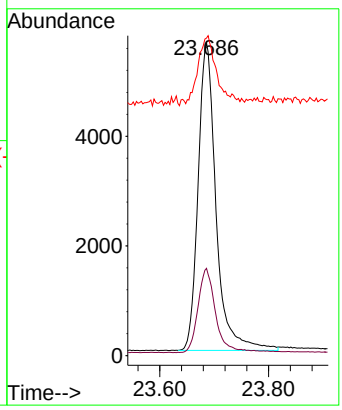


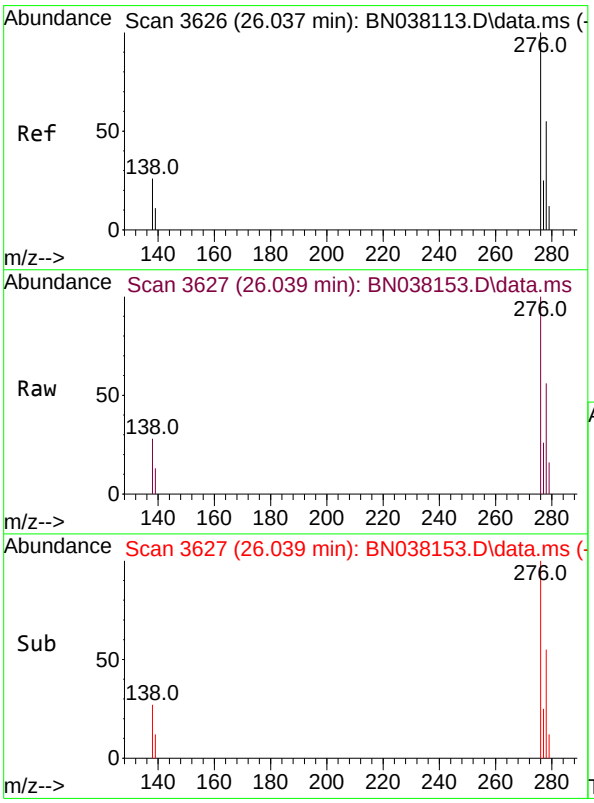
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 28
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:264 Resp: 12843

Ion	Ratio	Lower	Upper
264	100		
260	27.9	21.8	32.8
265	101.6	68.6	102.8

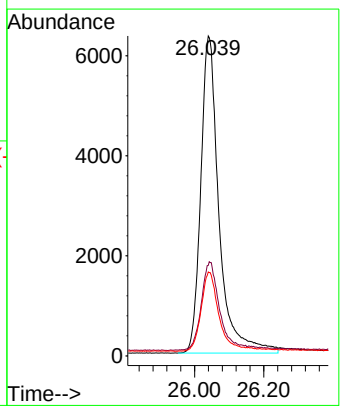


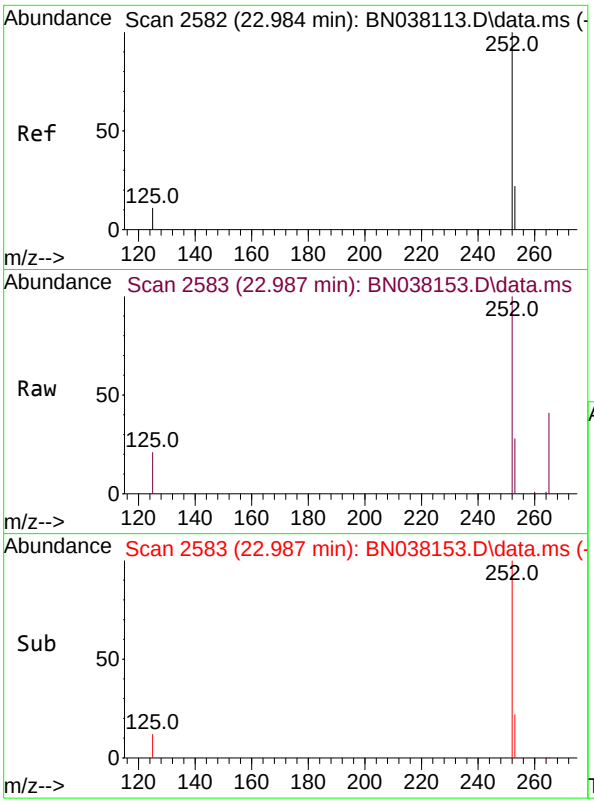


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.440 ng
RT: 26.039 min Scan# 3627
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:276 Resp: 23211

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.4	32.0
277	24.1	19.2	28.8



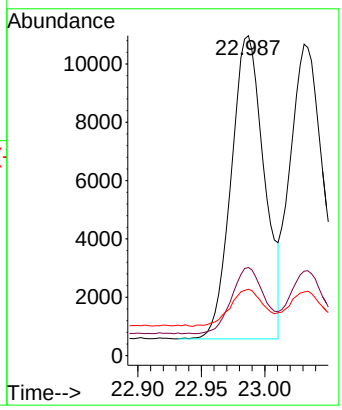


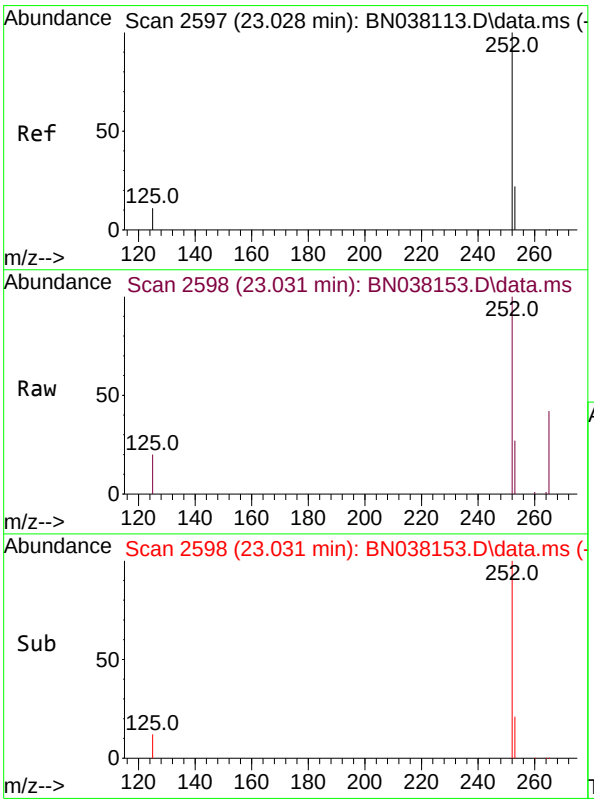
#37
Benzo(b)fluoranthene
Concen: 0.342 ng
RT: 22.987 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:252 Resp: 18803

Ion	Ratio	Lower	Upper
252	100		
253	27.5	20.9	31.3
125	20.7	14.1	21.1

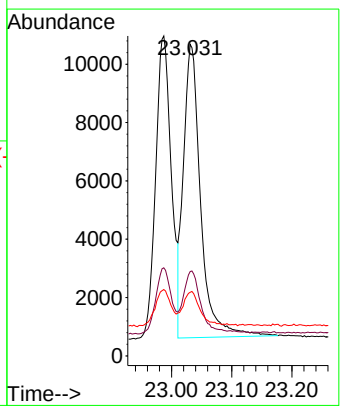


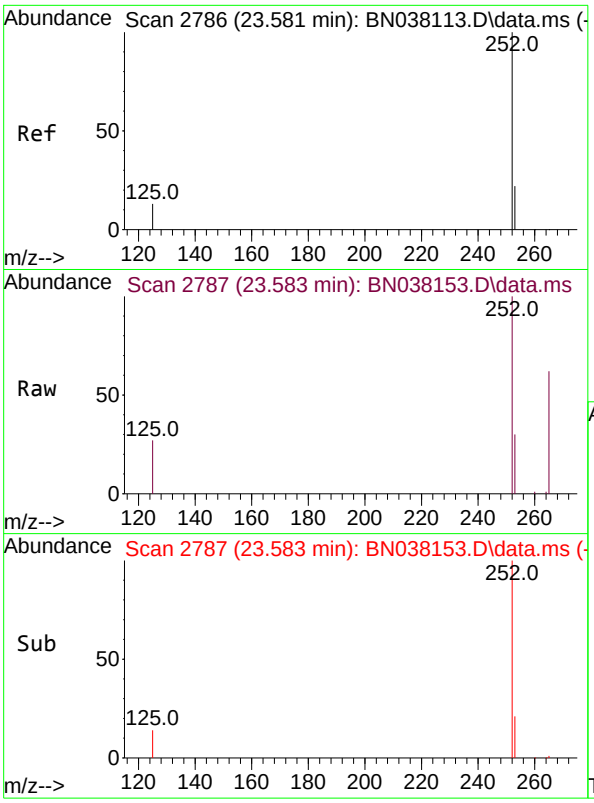


#38
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 23.031 min Scan# 2598
Delta R.T. 0.003 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:252 Resp: 19981

Ion	Ratio	Lower	Upper
252	100		
253	27.1	21.2	31.8
125	20.4	14.6	22.0



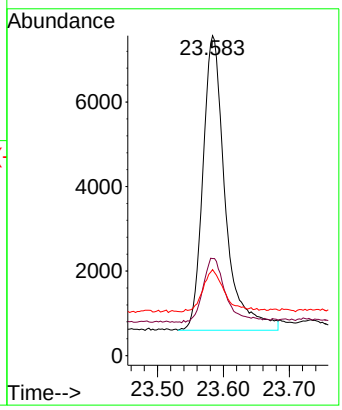


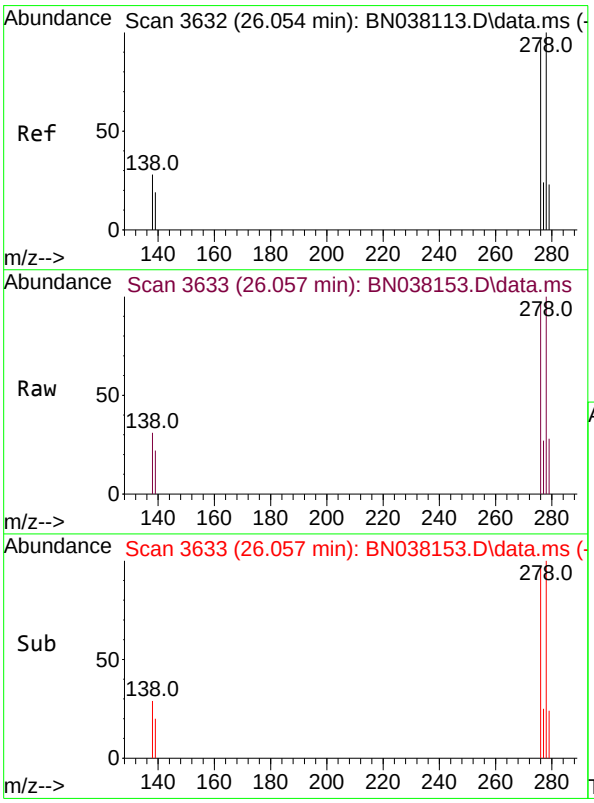
#39
Benzo(a)pyrene
Concen: 0.372 ng
RT: 23.583 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:252 Resp: 16370

Ion	Ratio	Lower	Upper
252	100		
253	30.3	23.1	34.7
125	26.9	18.6	28.0

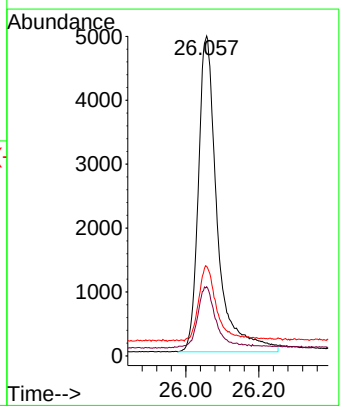


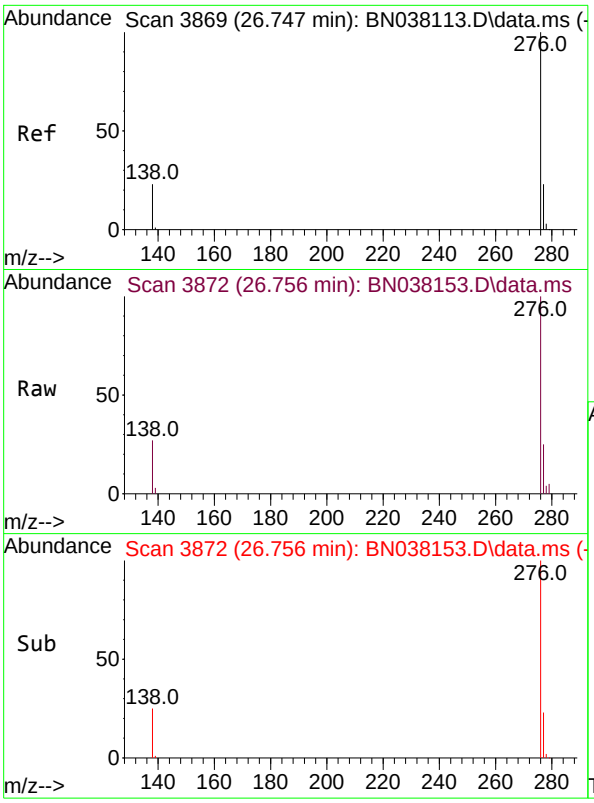


#40
Dibenzo(a,h)anthracene
Concen: 0.438 ng
RT: 26.057 min Scan# 3633
Delta R.T. 0.009 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:278 Resp: 17788

Ion	Ratio	Lower	Upper
278	100		
139	21.6	17.6	26.4
279	28.0	22.6	33.8





#41
Benzo(g,h,i)perylene
Concen: 0.431 ng
RT: 26.756 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Tgt Ion:276 Resp: 20005

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	26.5	20.2	30.4