Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
Data File : BN037109.D
Acq On : 28 May 2025 14:53
Operator : RC/JU
Sample : PB168155BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Quant Time: May 28 15:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	1893	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	4639	0.400	ng	-0.01
13) Acenaphthene-d10	14.256	164	2241	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	3936	0.400	ng	# 0.00
29) Chrysene-d12	21.198	240	2452	0.400	ng	0.00
35) Perylene-d12	23.398	264	2400	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	1694	0.342	ng	0.00
5) Phenol-d6	6.788	99	1988	0.320	ng	0.00
8) Nitrobenzene-d5	8.760	82	1796	0.356	ng	-0.01
11) 2-Methylnaphthalene-d10	11.986	152	3485	0.534	ng	-0.01
14) 2,4,6-Tribromophenol	15.755	330	299	0.304	ng	-0.01
15) 2-Fluorobiphenyl	12.878	172	3799	0.370	ng	-0.01
27) Fluoranthene-d10	19.040	212	3284	0.304	ng	0.00
31) Terphenyl-d14	19.649	244	2221	0.423	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.133	88	707	0.304	ng	# 21
3) n-Nitrosodimethylamine	3.444	42	1843	0.369	ng	# 88
6) bis(2-Chloroethyl)ether	7.040	93	1938	0.339	ng	99
9) Naphthalene	10.436	128	4818	0.351	ng	98
10) Hexachlorobutadiene	10.725	225	1123	0.390	ng	# 99
12) 2-Methylnaphthalene	12.062	142	2722	0.309	ng	98
16) Acenaphthylene	13.967	152	4410	0.404	ng	100
17) Acenaphthene	14.320	154	2636	0.370	ng	99
18) Fluorene	15.314	166	3413	0.365	ng	99
20) 4,6-Dinitro-2-methylph...	15.400	198	298	0.393	ng	92
21) 4-Bromophenyl-phenylether	16.202	248	980	0.394	ng	# 89
22) Hexachlorobenzene	16.314	284	1142	0.429	ng	99
23) Atrazine	16.475	200	818	0.377	ng	# 95
24) Pentachlorophenol	16.661	266	843	0.575	ng	99
25) Phenanthrene	17.046	178	4787	0.372	ng	99
26) Anthracene	17.133	178	4405	0.376	ng	100
28) Fluoranthene	19.073	202	4524	0.294	ng	99
30) Pyrene	19.435	202	4511	0.430	ng	100
32) Benzo(a)anthracene	21.180	228	3397	0.368	ng	97
33) Chrysene	21.233	228	3886	0.398	ng	99
34) Bis(2-ethylhexyl)phtha...	21.126	149	1997	0.351	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.608	276	4135	0.422	ng	97
37) Benzo(b)fluoranthene	22.740	252	3476	0.349	ng	97
38) Benzo(k)fluoranthene	22.784	252	3603	0.366	ng	93
39) Benzo(a)pyrene	23.304	252	3246	0.384	ng	# 91
40) Dibenzo(a,h)anthracene	25.623	278	3192	0.418	ng	96
41) Benzo(g,h,i)perylene	26.275	276	3585	0.432	ng	97

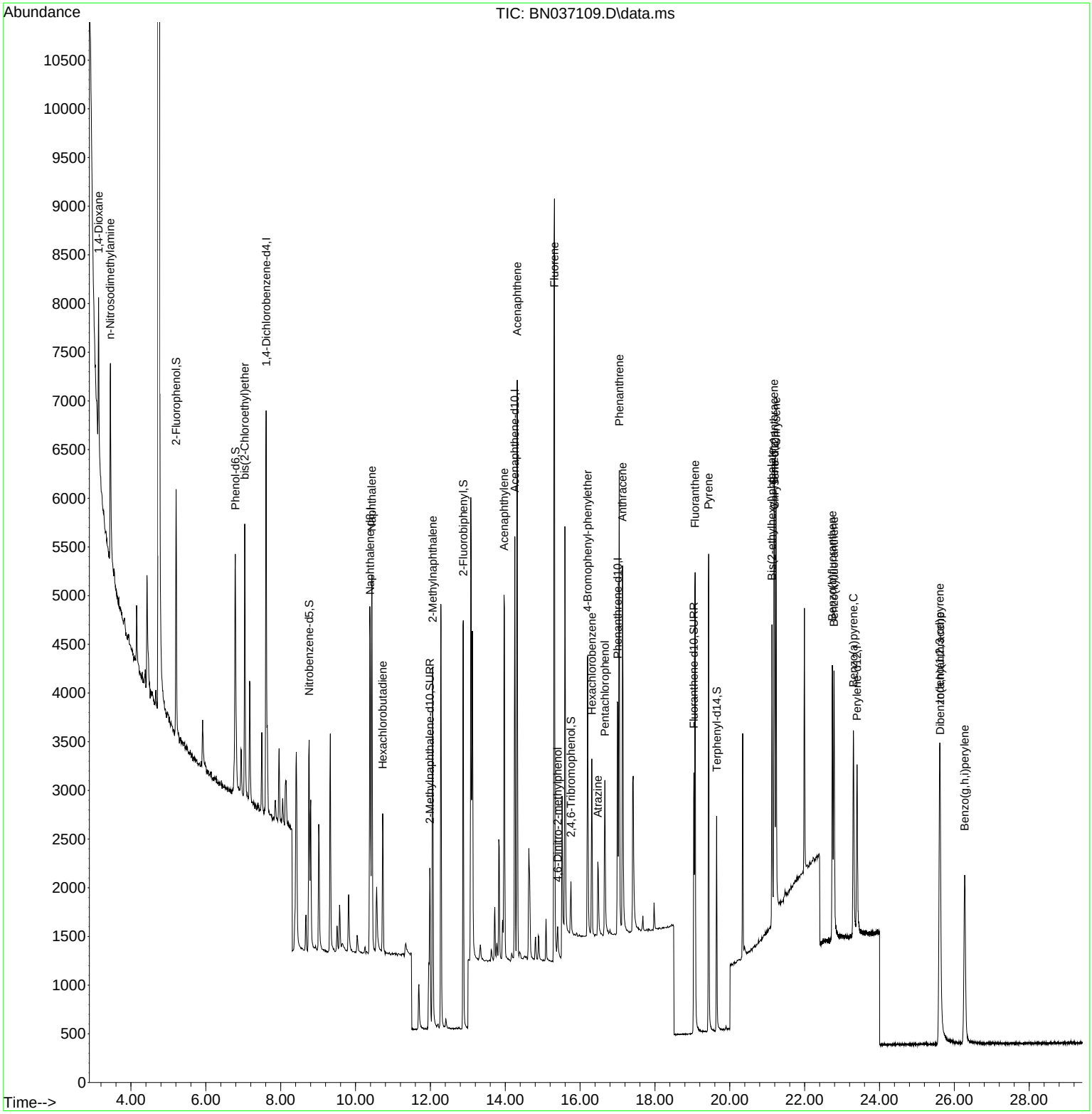
(#) = qualifier out of range (m) = manual integration (+) = signals summed

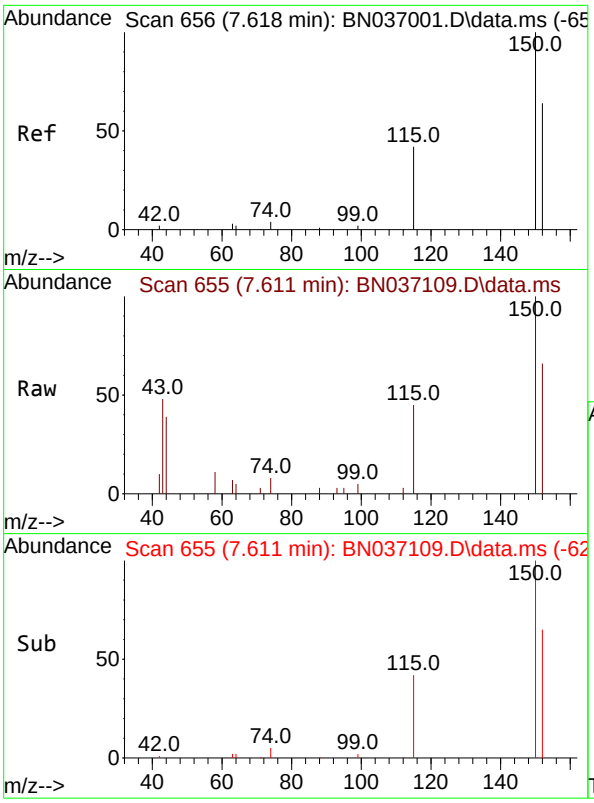
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
Data File : BN037109.D
Acq On : 28 May 2025 14:53
Operator : RC/JU
Sample : PB168155BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Quant Time: May 28 15:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration



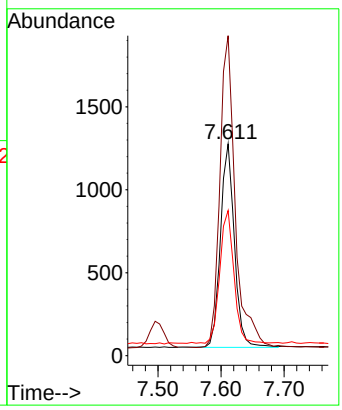


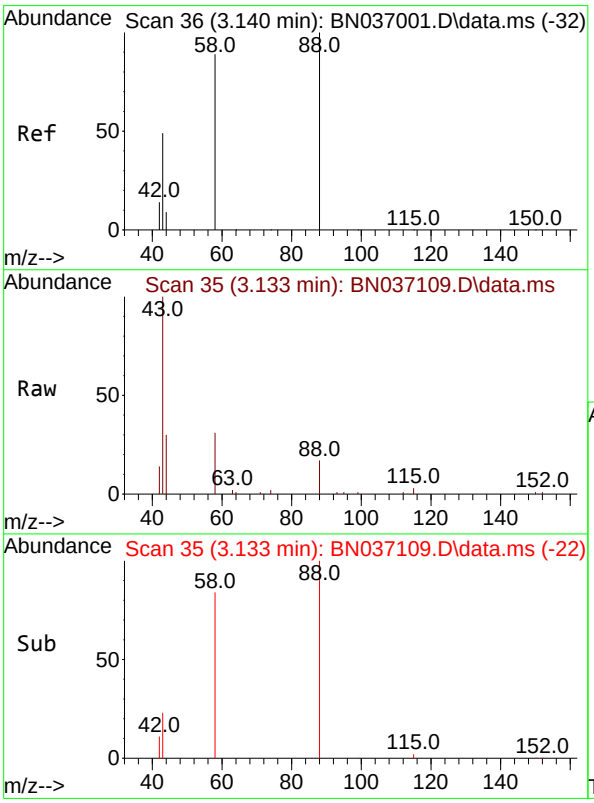
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.611 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:152 Resp: 1893

Ion	Ratio	Lower	Upper
152	100		
150	151.1	123.9	185.9
115	68.5	55.8	83.8

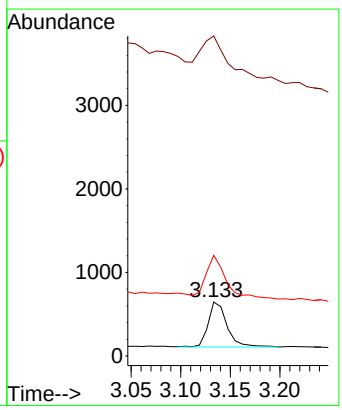


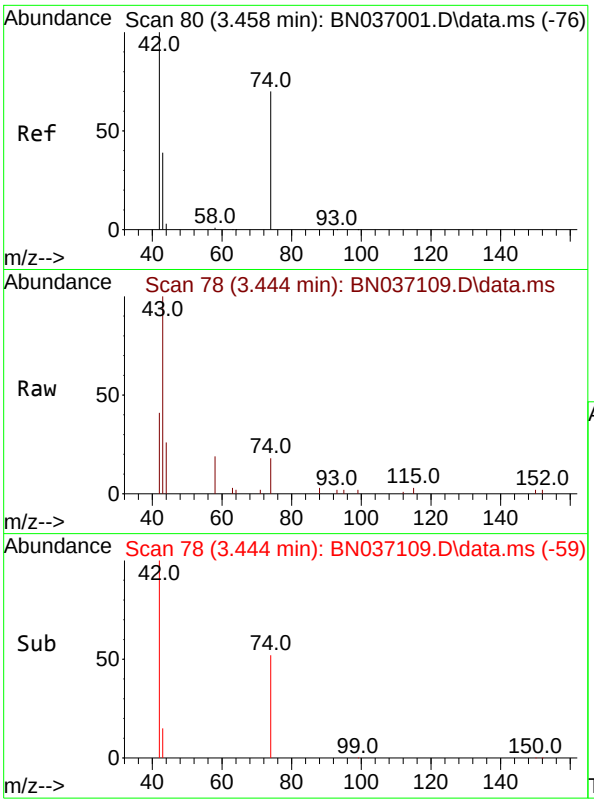


#2
1,4-Dioxane
Concen: 0.304 ng
RT: 3.133 min Scan# 35
Delta R.T. -0.007 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion: 88 Resp: 707

Ion	Ratio	Lower	Upper
88	100		
43	172.0	37.4	56.0#
58	104.0	68.8	103.2#



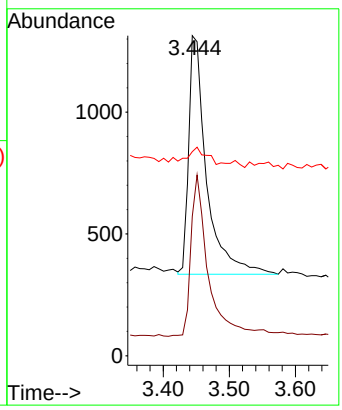


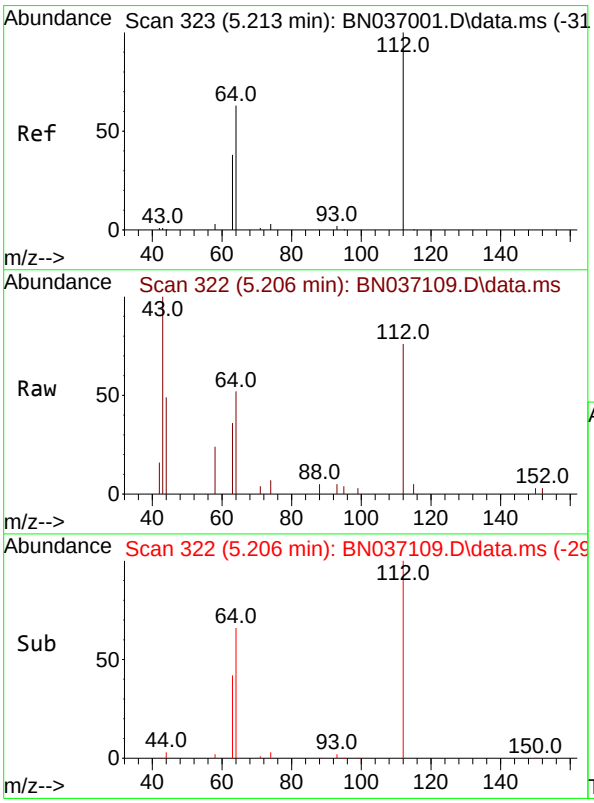
#3
n-Nitrosodimethylamine
Concen: 0.369 ng
RT: 3.444 min Scan# 7
Delta R.T. -0.014 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion: 42 Resp: 1843

Ion	Ratio	Lower	Upper
42	100		
74	66.2	59.8	89.6
44	6.2	11.9	17.9#

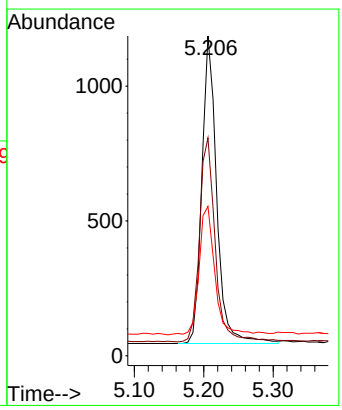


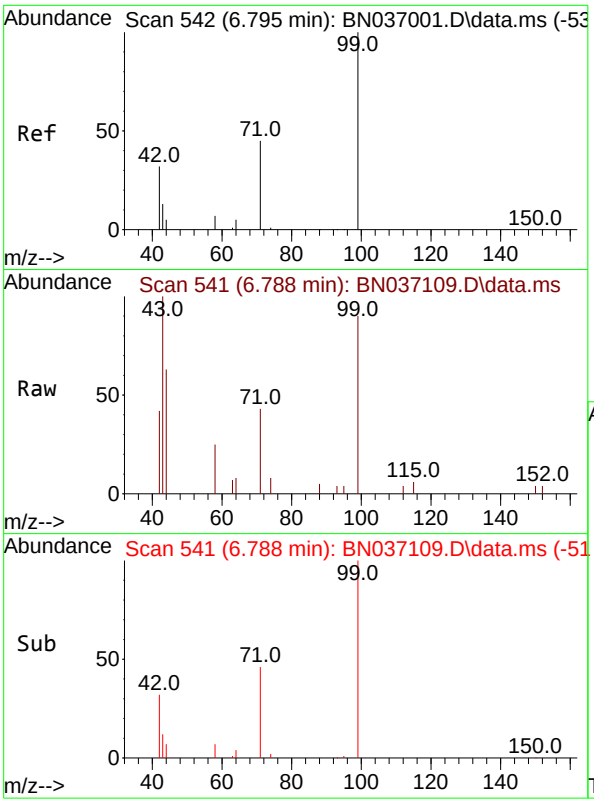


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.206 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:112 Resp: 1694

Ion	Ratio	Lower	Upper
112	100		
64	70.7	55.7	83.5
63	44.6	34.6	51.8



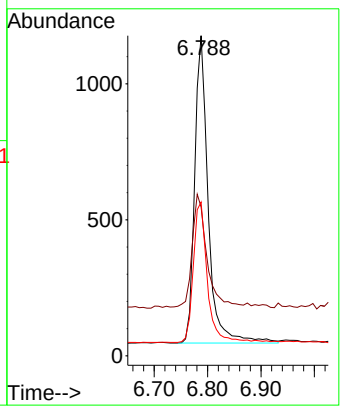


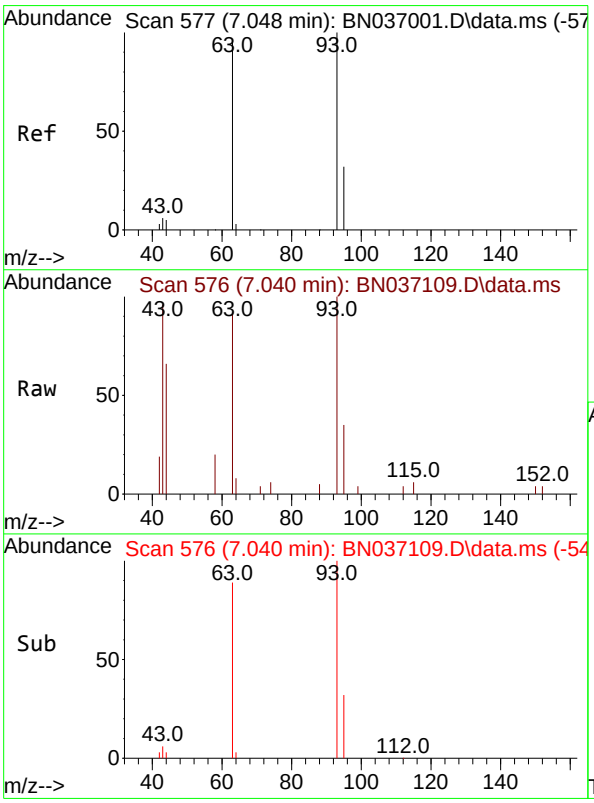
#5
Phenol-d6
Concen: 0.320 ng
RT: 6.788 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion: 99 Resp: 1988

Ion	Ratio	Lower	Upper
99	100		
42	39.5	29.3	43.9
71	47.8	35.7	53.5

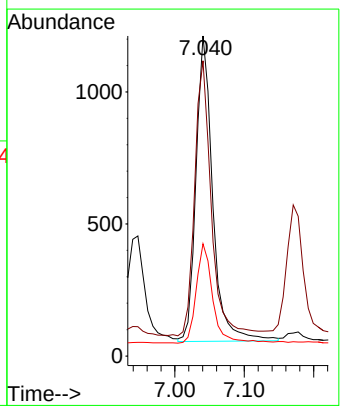


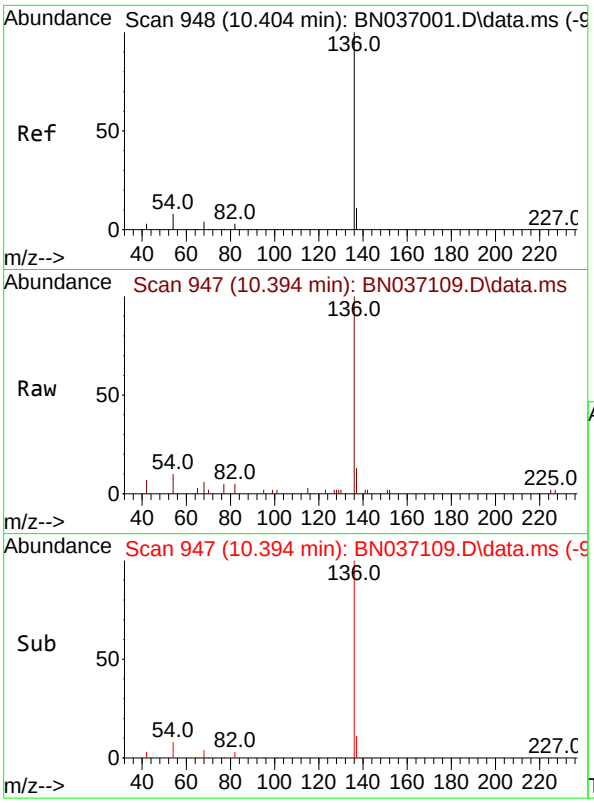


#6
bis(2-Chloroethyl)ether
Concen: 0.339 ng
RT: 7.040 min Scan# 576
Delta R.T. -0.007 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion: 93 Resp: 1938

Ion	Ratio	Lower	Upper
93	100		
63	88.8	70.1	105.1
95	32.1	26.2	39.2



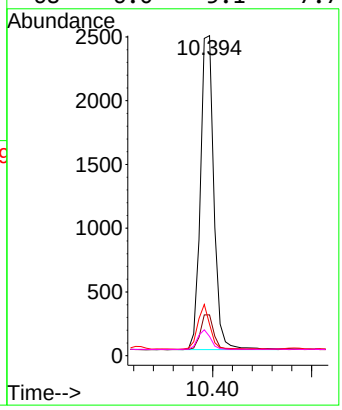


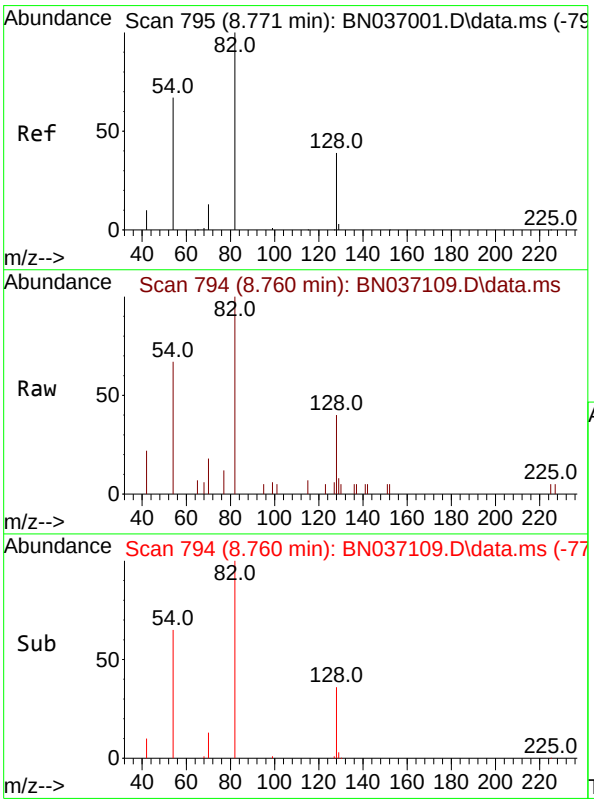
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:136 Resp: 4639

Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.4	15.6
54	9.8	8.5	12.7
68	6.0	5.1	7.7

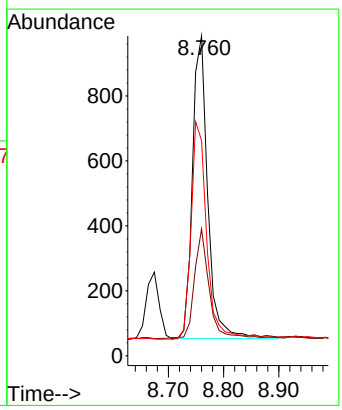


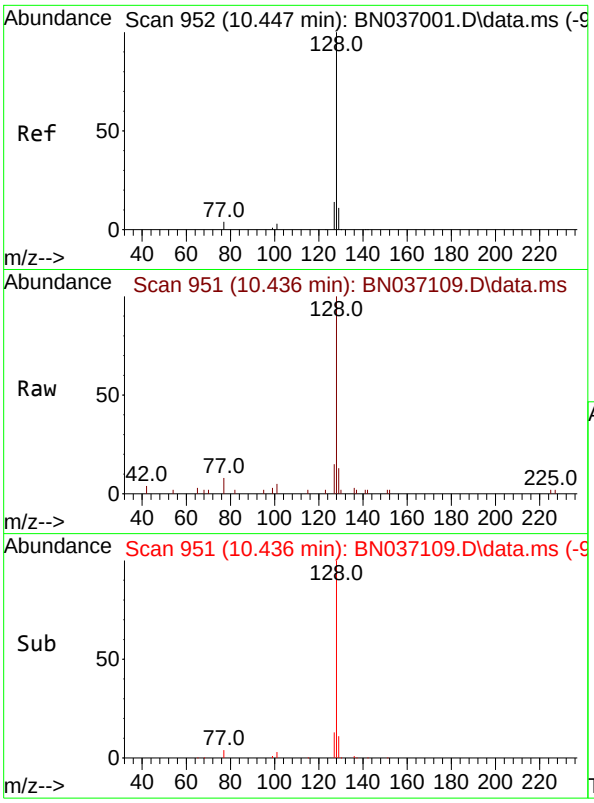


#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.760 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion: 82 Resp: 1796

Ion	Ratio	Lower	Upper
82	100		
128	39.7	34.0	51.0
54	67.3	55.0	82.4



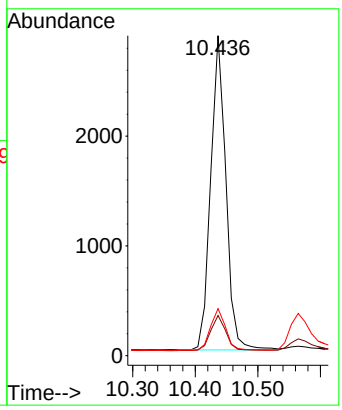


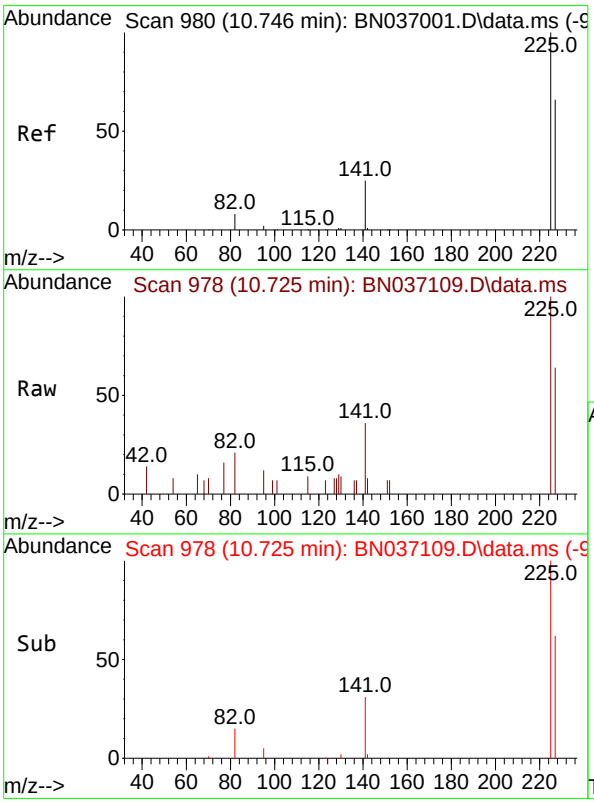
#9
Naphthalene
Concen: 0.351 ng
RT: 10.436 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:128 Resp: 4818

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.7	14.5
127	14.7	12.4	18.6

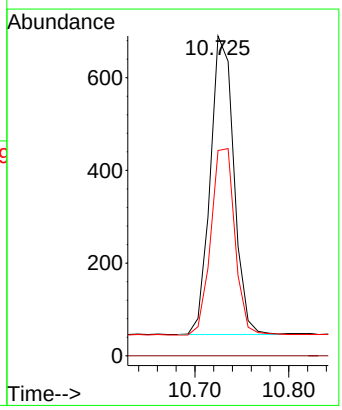


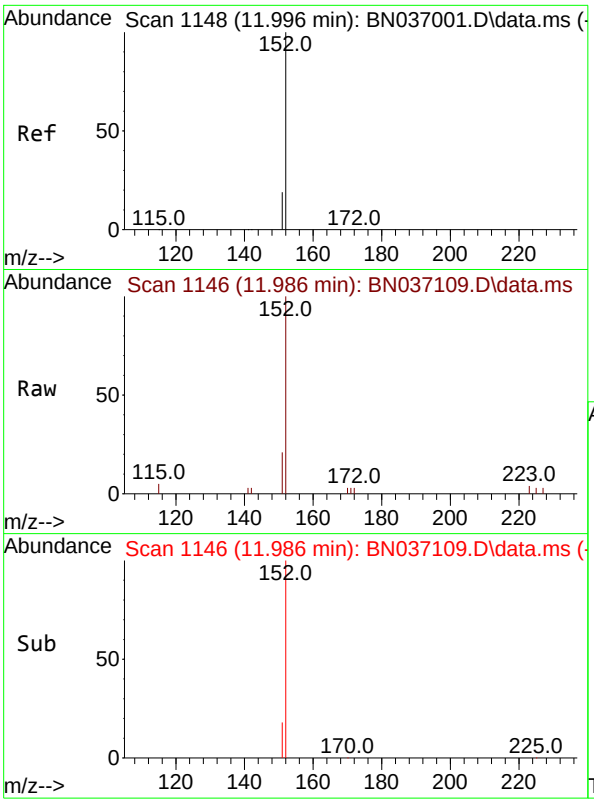


#10
Hexachlorobutadiene
Concen: 0.390 ng
RT: 10.725 min Scan# 978
Delta R.T. -0.021 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:225 Resp: 1123

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.9	76.3



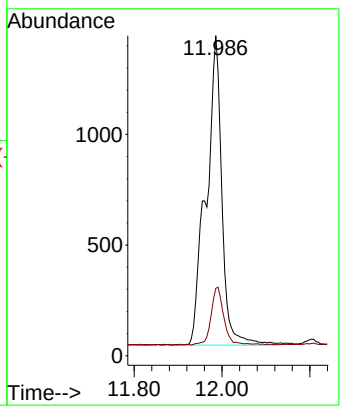


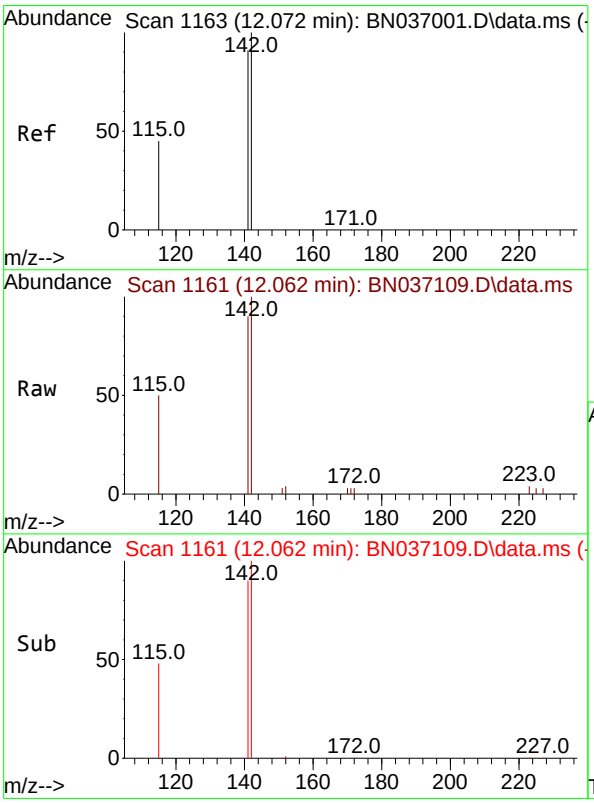
#11
2-Methylnaphthalene-d10
Concen: 0.534 ng
RT: 11.986 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:152 Resp: 3485

Ion	Ratio	Lower	Upper
152	100		
151	14.9	17.5	26.3#

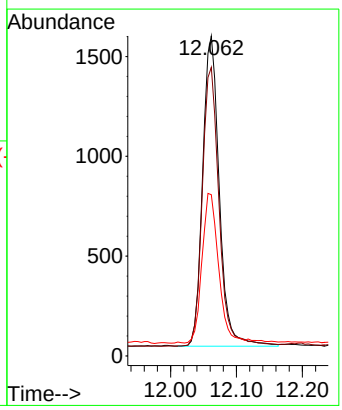


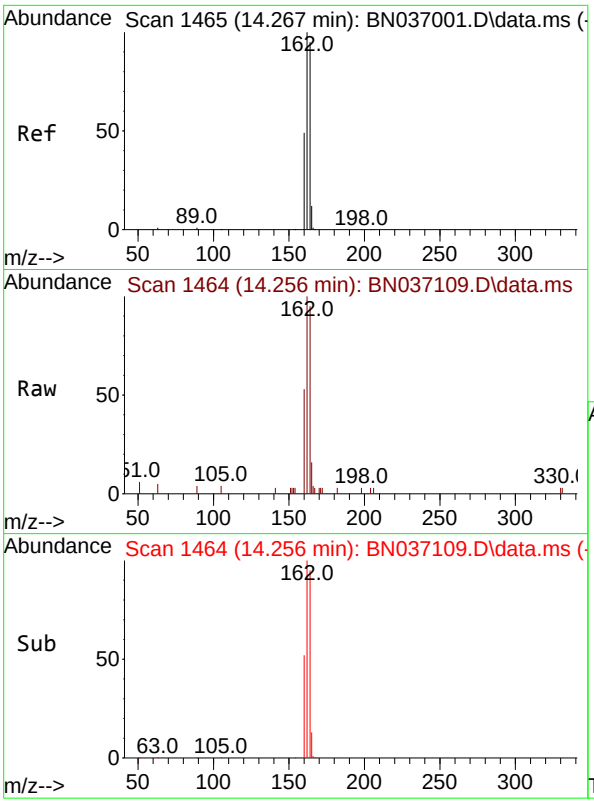


#12
2-Methylnaphthalene
Concen: 0.309 ng
RT: 12.062 min Scan# 1161
Delta R.T. -0.010 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:142 Resp: 2722

Ion	Ratio	Lower	Upper
142	100		
141	90.2	73.3	109.9
115	50.4	38.4	57.6



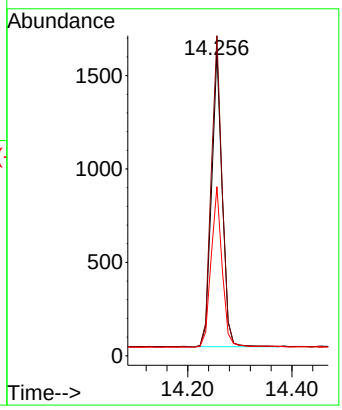


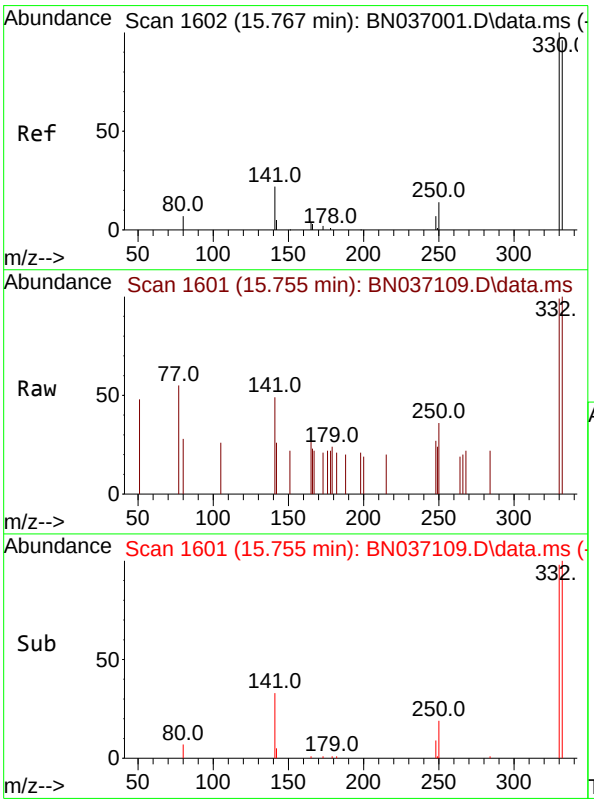
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:164 Resp: 2241

Ion	Ratio	Lower	Upper
164	100		
162	105.3	84.2	126.4
160	55.6	42.6	63.8

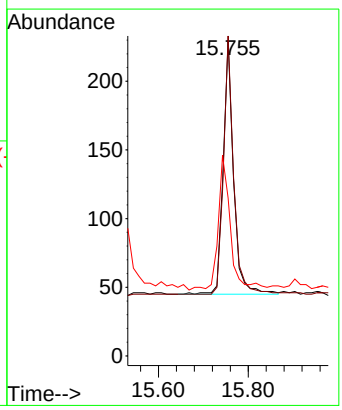


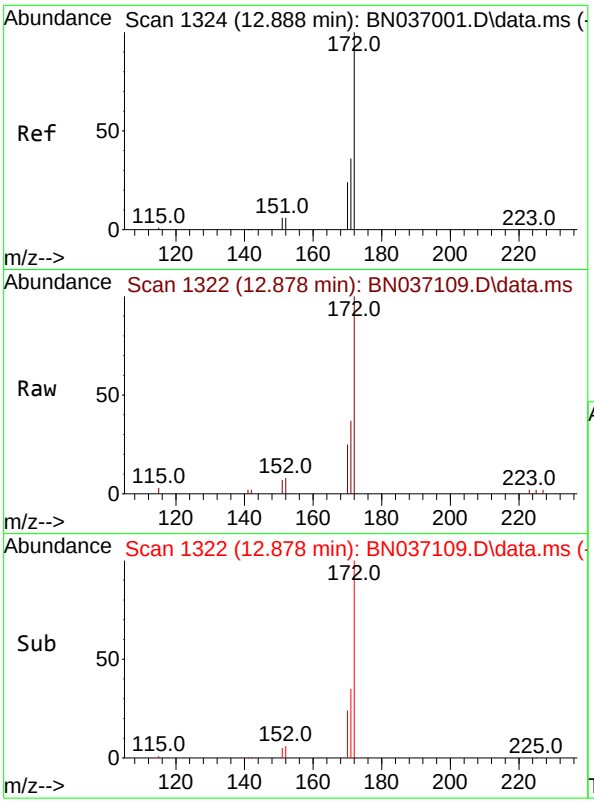


#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.755 min Scan# 1601
Delta R.T. -0.012 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:330 Resp: 299

Ion	Ratio	Lower	Upper
330	100		
332	99.0	73.8	110.8
141	55.2	43.9	65.9



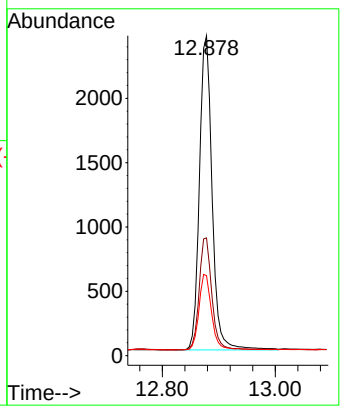


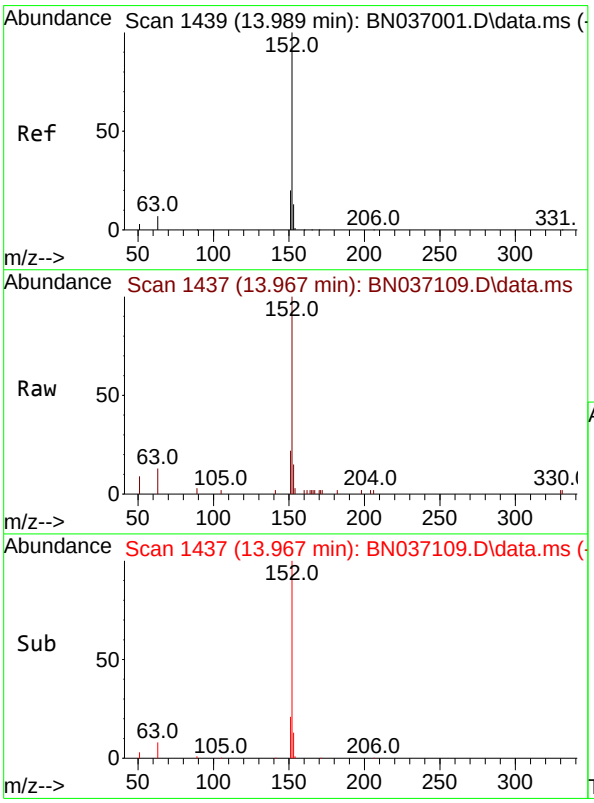
#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.878 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:172 Resp: 3799

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.2	43.8
170	25.0	20.5	30.7

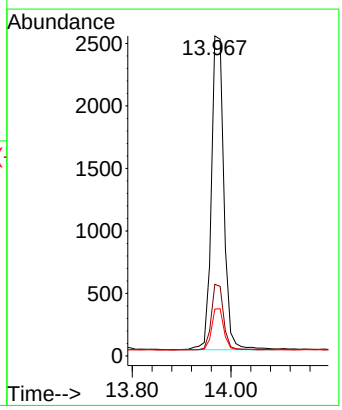


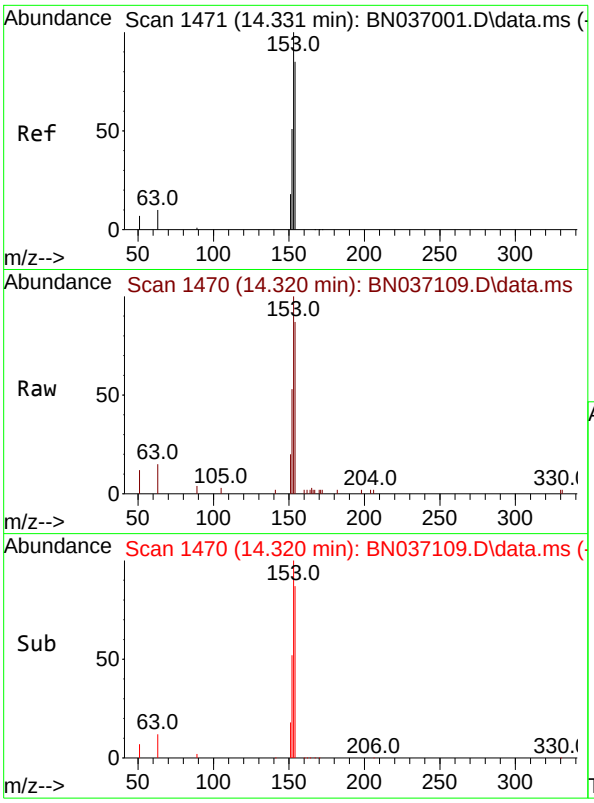


#16
Acenaphthylene
Concen: 0.404 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.021 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:152 Resp: 4410

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.3	10.5	15.7



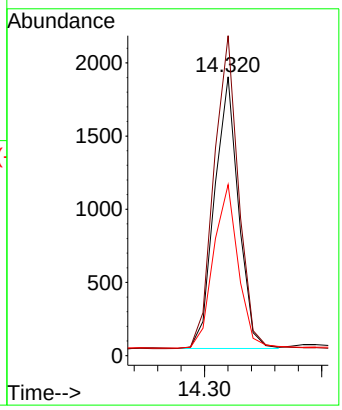


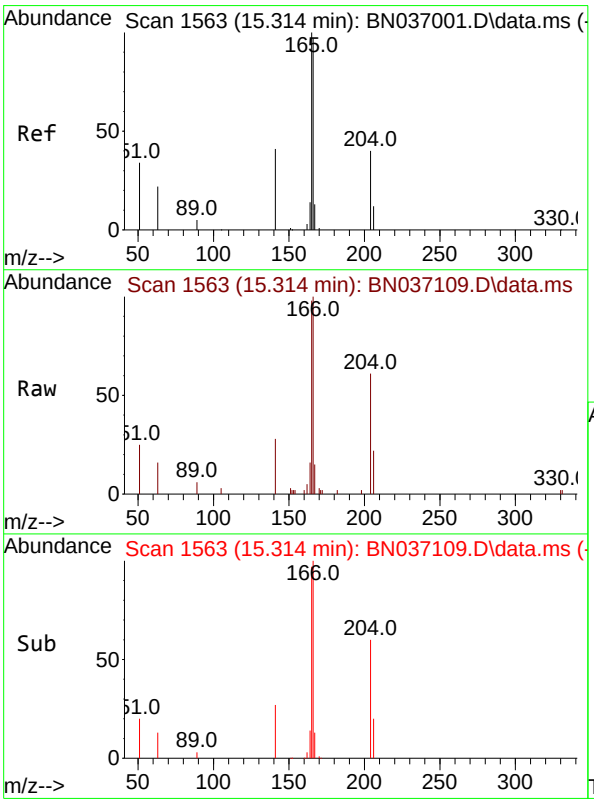
#17
Acenaphthene
Concen: 0.370 ng
RT: 14.320 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:154 Resp: 2636

Ion	Ratio	Lower	Upper
154	100		
153	118.3	94.2	141.4
152	62.8	49.4	74.0

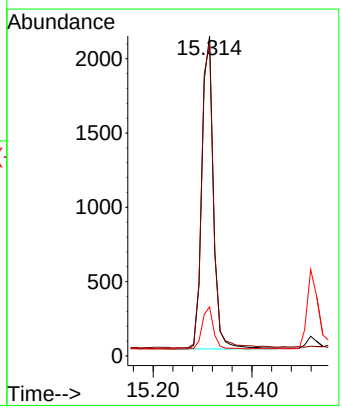


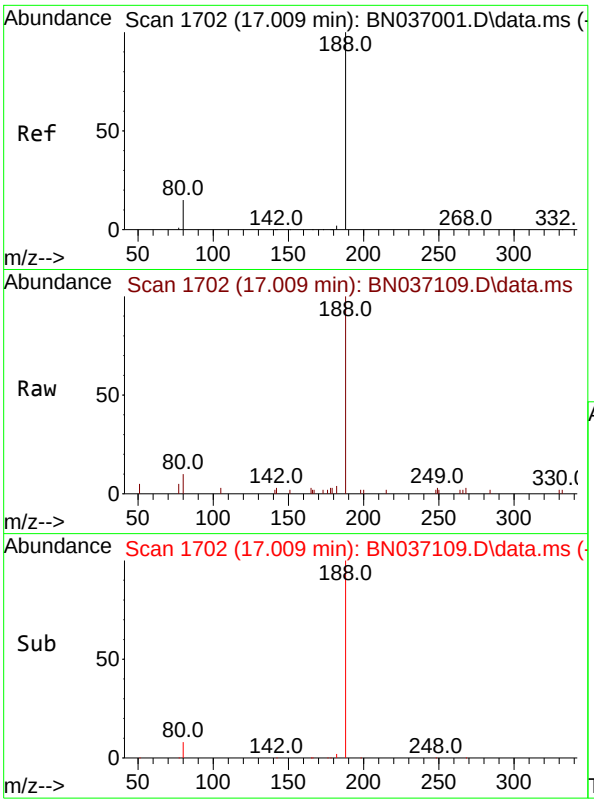


#18
Fluorene
Concen: 0.365 ng
RT: 15.314 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:166 Resp: 3413

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.6	120.8
167	13.5	10.6	16.0



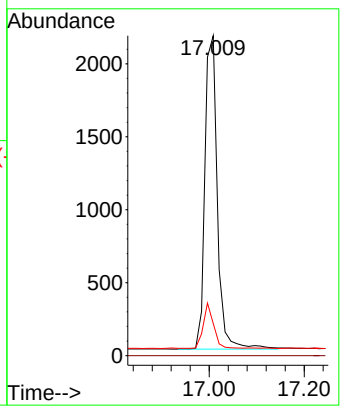


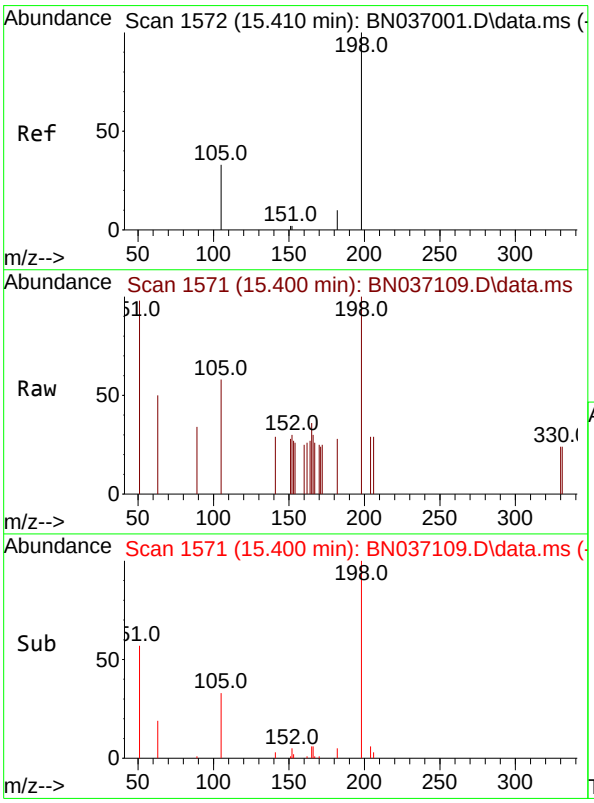
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.009 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:188 Resp: 3936

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	13.4	20.0#

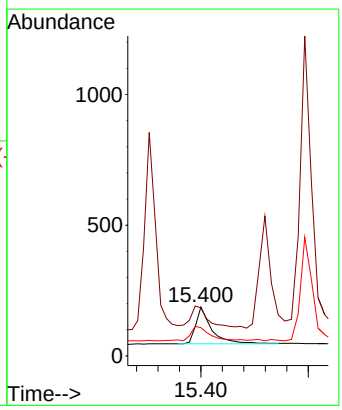


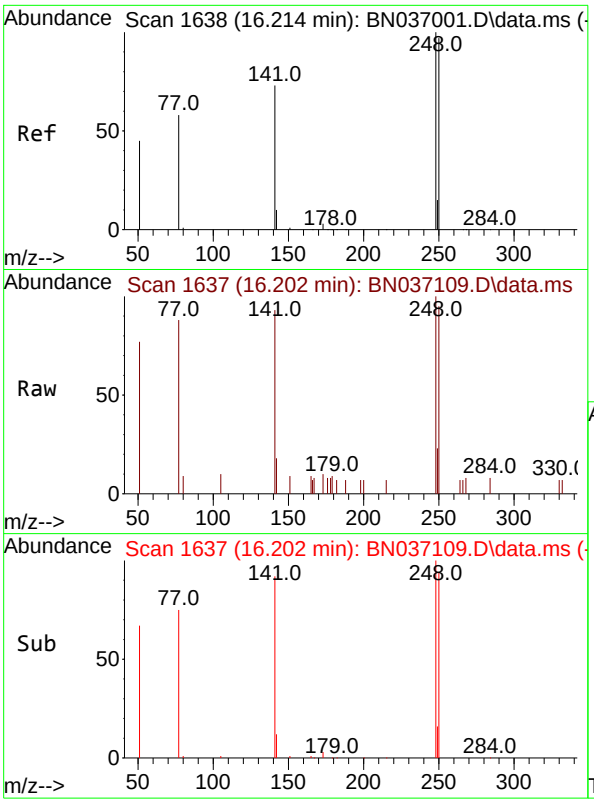


#20
4,6-Dinitro-2-methylphenol
Concen: 0.393 ng
RT: 15.400 min Scan# 1571
Delta R.T. -0.010 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:198 Resp: 298

Ion	Ratio	Lower	Upper
198	100		
51	98.4	87.8	131.6
105	57.8	44.2	66.4



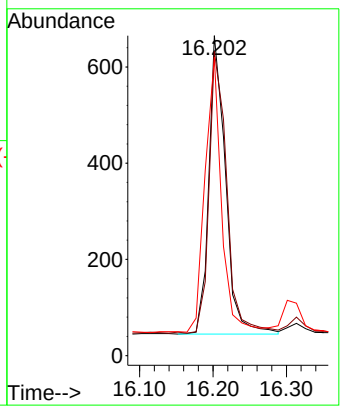


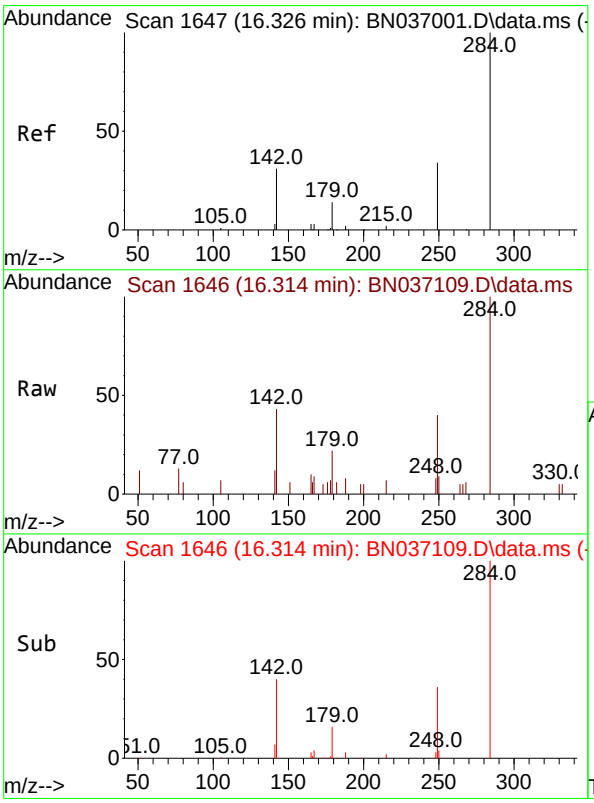
#21
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:248 Resp: 980

Ion	Ratio	Lower	Upper
248	100		
250	95.0	78.1	117.1
141	93.2	59.7	89.5#

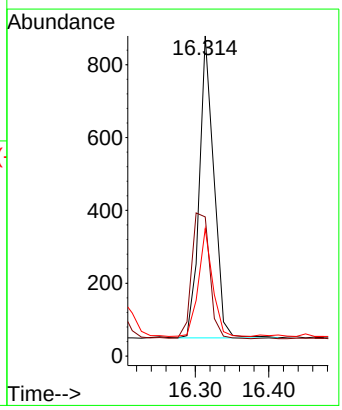


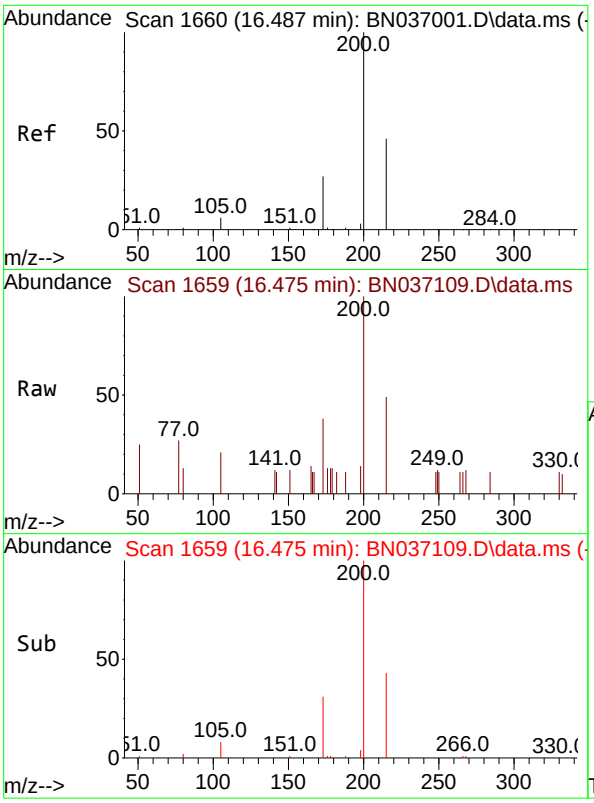


#22
Hexachlorobenzene
Concen: 0.429 ng
RT: 16.314 min Scan# 1646
Delta R.T. -0.012 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:284 Resp: 1142

Ion	Ratio	Lower	Upper
284	100		
142	51.7	41.2	61.8
249	34.9	28.7	43.1



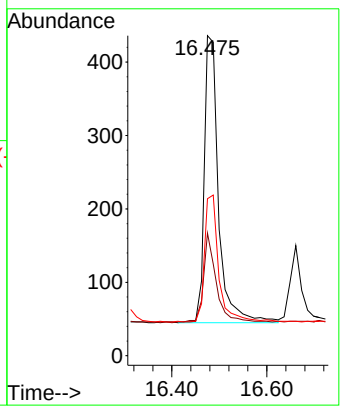


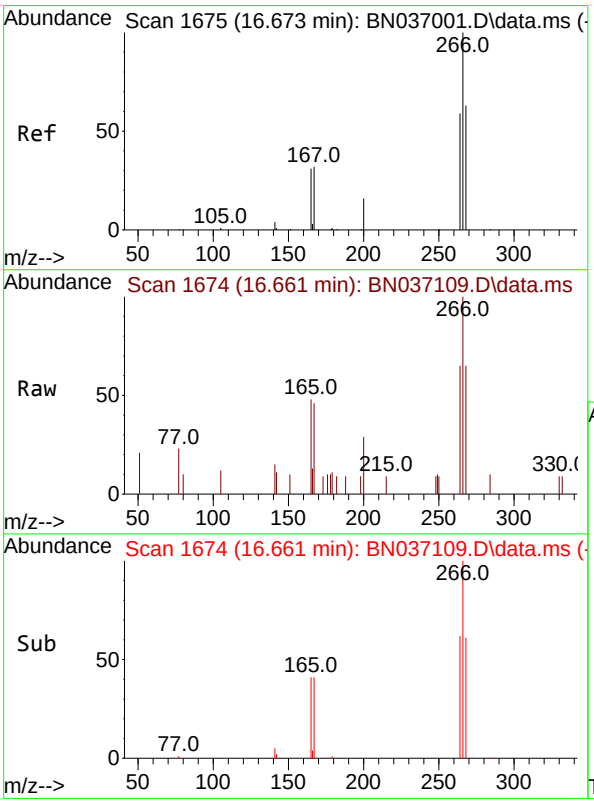
#23
Atrazine
Concen: 0.377 ng
RT: 16.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:200 Resp: 818

Ion	Ratio	Lower	Upper
200	100		
173	38.3	25.2	37.8#
215	49.1	39.3	58.9

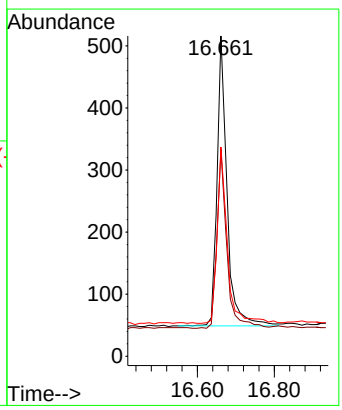


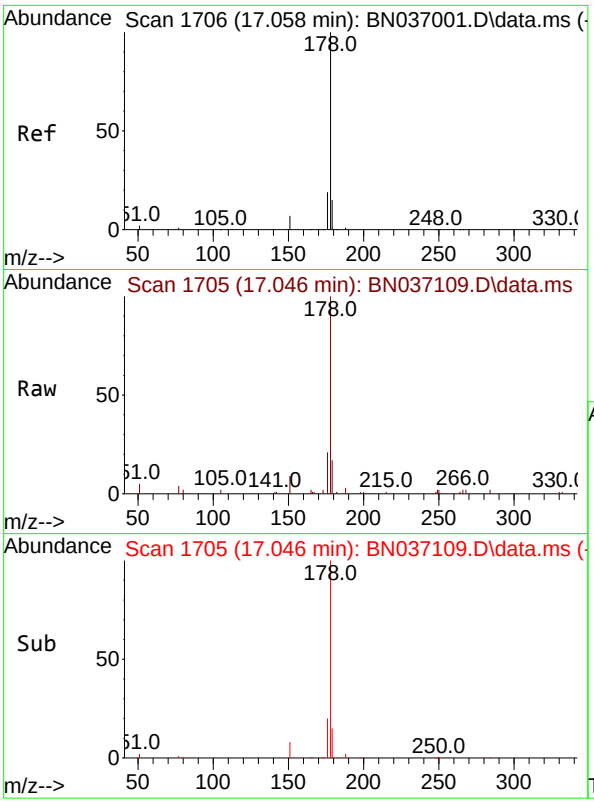


#24
Pentachlorophenol
Concen: 0.575 ng
RT: 16.661 min Scan# 1674
Delta R.T. -0.012 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:266 Resp: 843

Ion	Ratio	Lower	Upper
266	100		
264	61.2	47.9	71.9
268	61.6	50.0	75.0



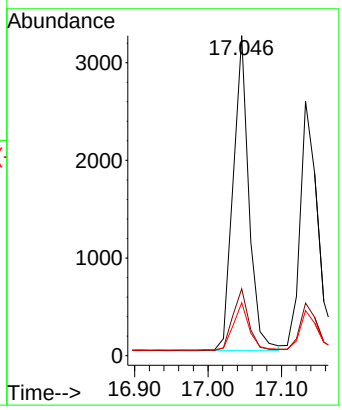


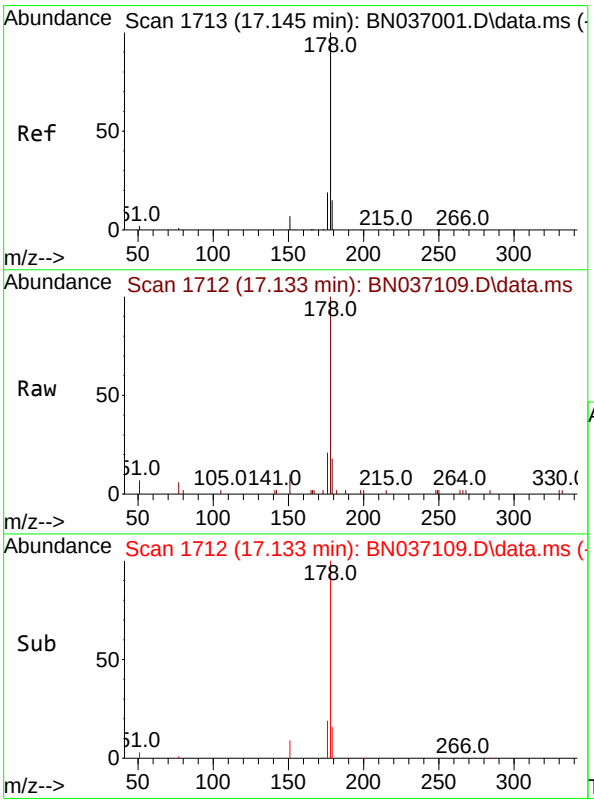
#25
Phenanthrene
Concen: 0.372 ng
RT: 17.046 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:178 Resp: 4787

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.7	23.5
179	15.6	12.2	18.2

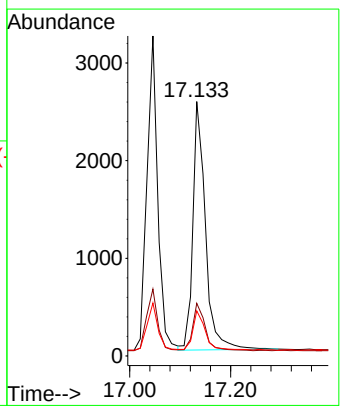


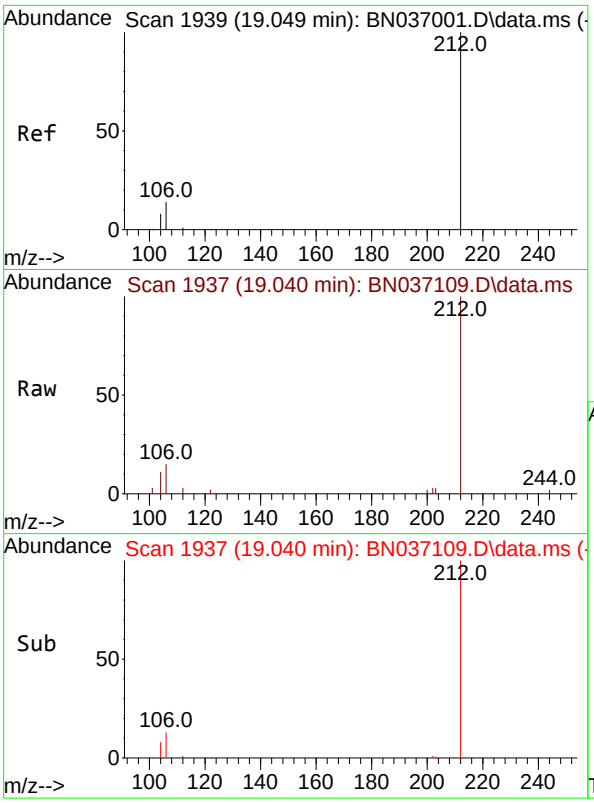


#26
Anthracene
Concen: 0.376 ng
RT: 17.133 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:178 Resp: 4405

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.3	18.5



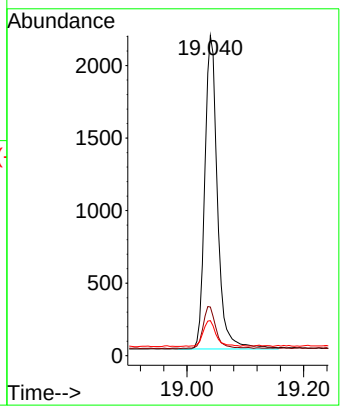


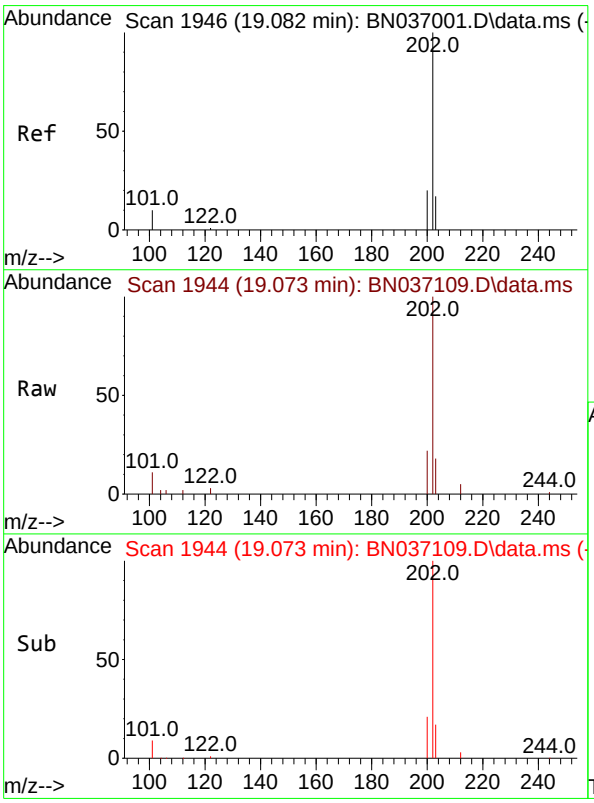
#27
Fluoranthene-d10
Concen: 0.304 ng
RT: 19.040 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:212 Resp: 3284

Ion	Ratio	Lower	Upper
212	100		
106	13.4	11.3	16.9
104	8.4	6.7	10.1

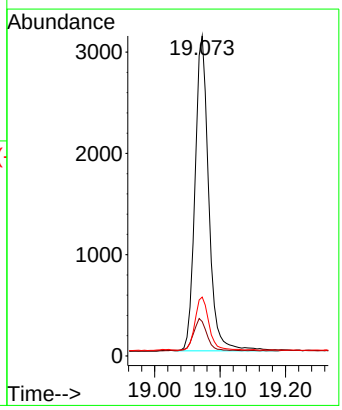


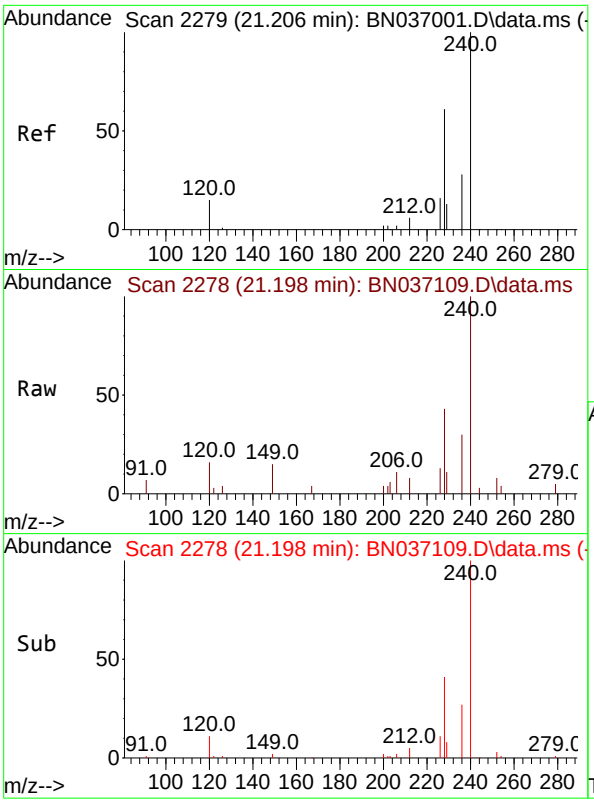


#28
Fluoranthene
Concen: 0.294 ng
RT: 19.073 min Scan# 1944
Delta R.T. -0.009 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:202 Resp: 4524

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.9	13.3
203	17.2	13.8	20.8



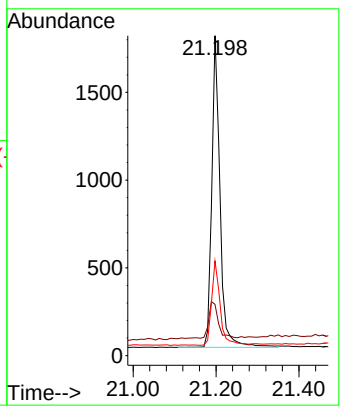


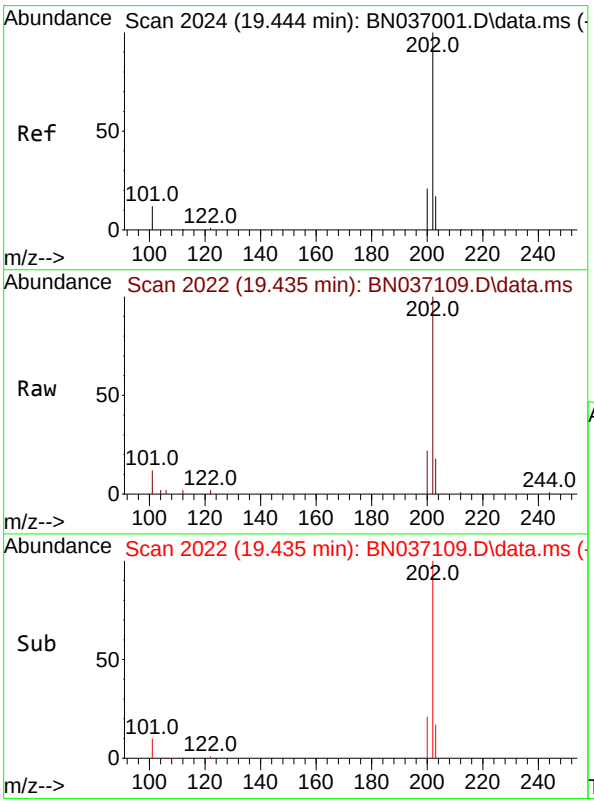
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.198 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:240 Resp: 2452

Ion	Ratio	Lower	Upper
240	100		
120	16.0	15.1	22.7
236	29.6	24.0	36.0

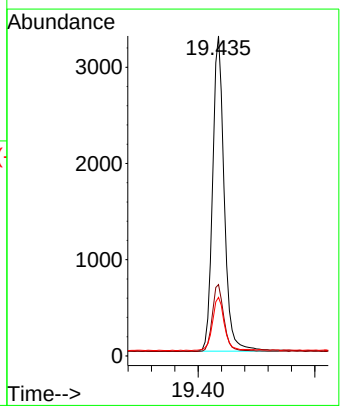


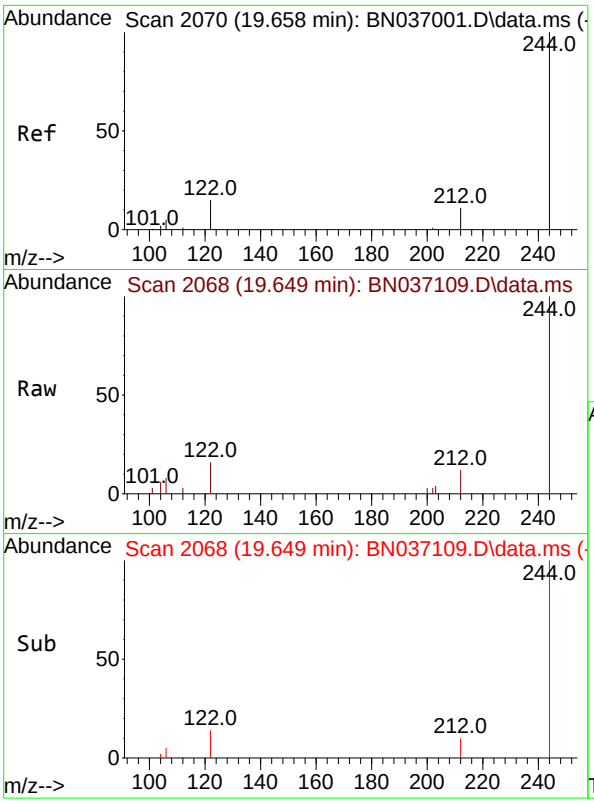


#30
Pyrene
Concen: 0.430 ng
RT: 19.435 min Scan# 2022
Delta R.T. -0.009 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:202 Resp: 4511

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.5	14.2	21.4



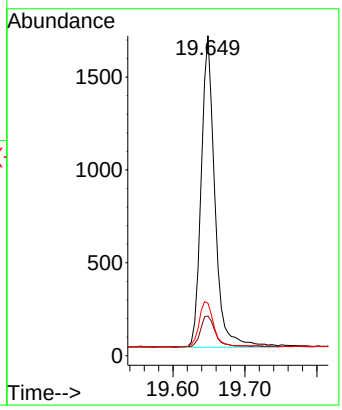


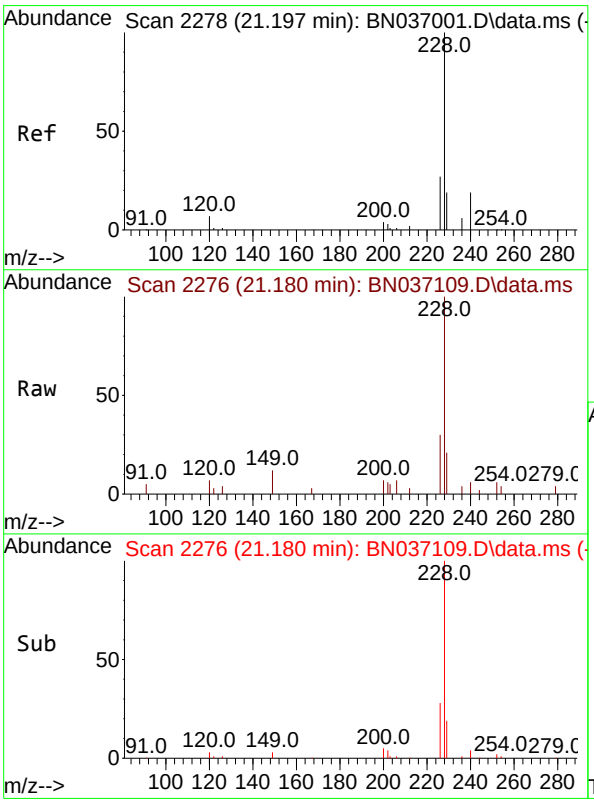
#31
Terphenyl-d14
Concen: 0.423 ng
RT: 19.649 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:244 Resp: 2221

Ion	Ratio	Lower	Upper
244	100		
212	12.4	9.7	14.5
122	16.4	13.4	20.0

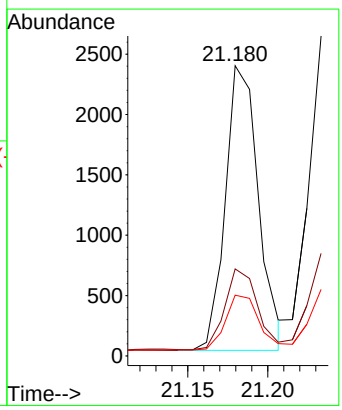


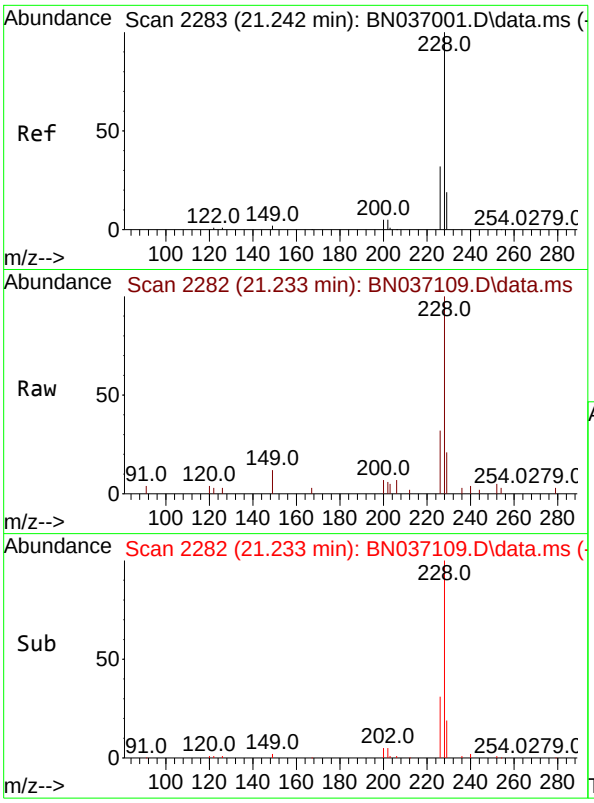


#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.180 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:228 Resp: 3397

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.2	33.4
229	21.0	16.0	24.0



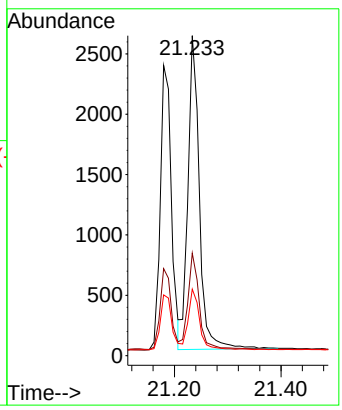


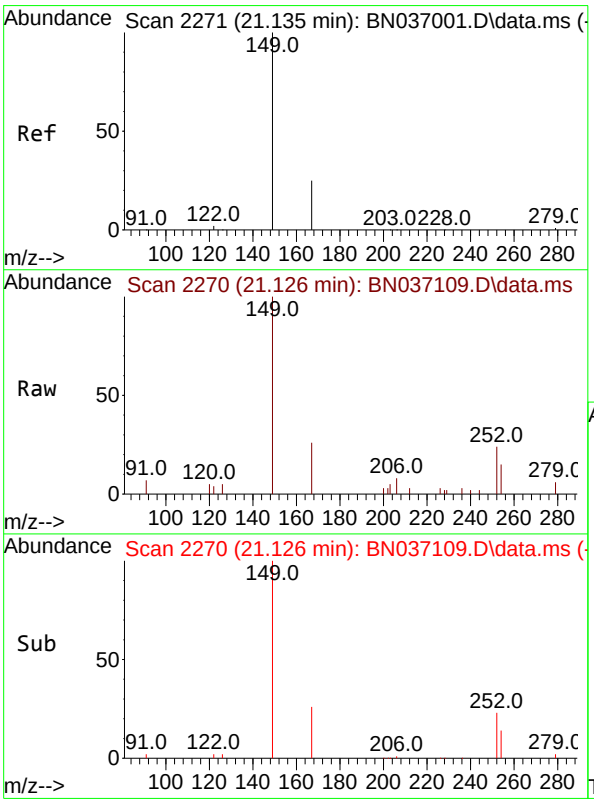
#33
Chrysene
Concen: 0.398 ng
RT: 21.233 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:228 Resp: 3886

Ion	Ratio	Lower	Upper
228	100		
226	32.1	26.3	39.5
229	20.8	16.2	24.2

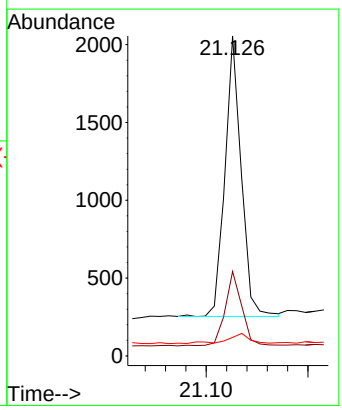


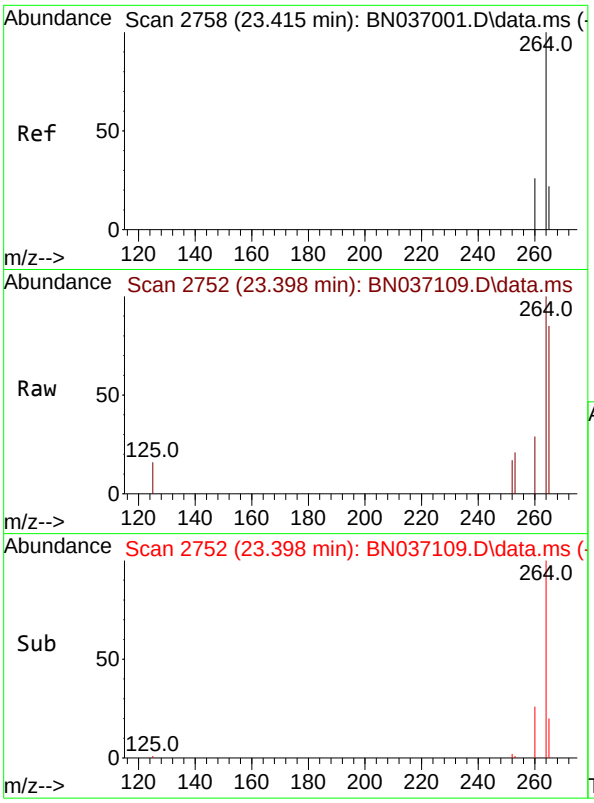


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.351 ng
RT: 21.126 min Scan# 2270
Delta R.T. -0.009 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:149 Resp: 1997

Ion	Ratio	Lower	Upper
149	100		
167	27.5	20.6	30.8
279	4.6	2.6	3.8#



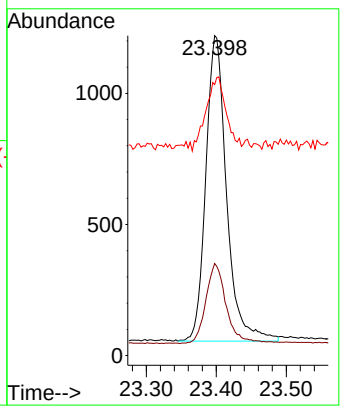


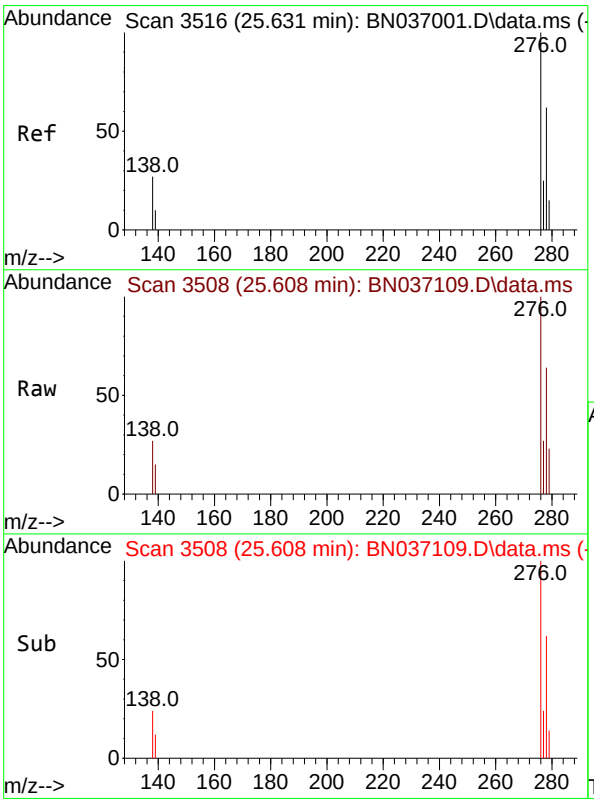
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.398 min Scan# 2
Delta R.T. -0.017 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:264 Resp: 2400

Ion	Ratio	Lower	Upper
264	100		
260	28.8	21.9	32.9
265	84.7	51.6	77.4#

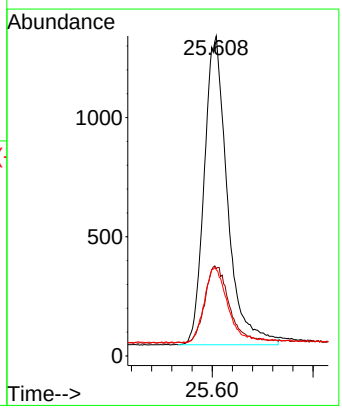


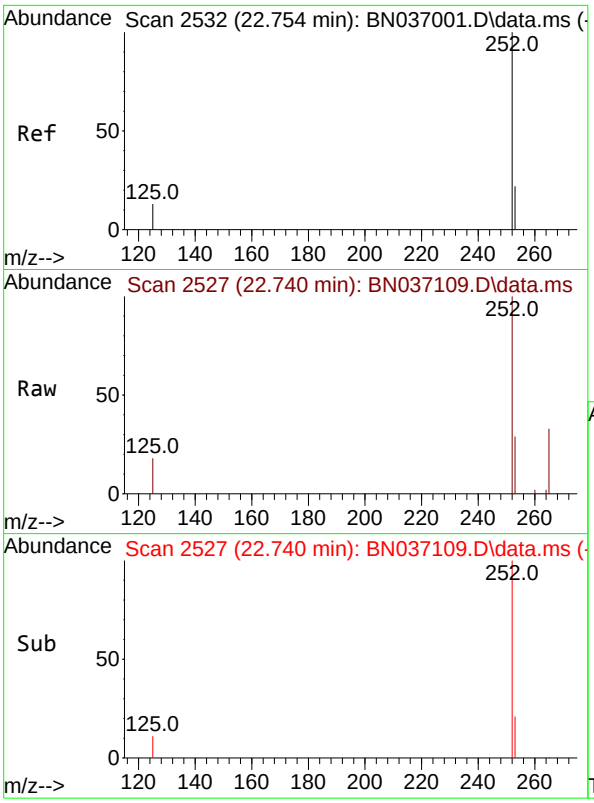


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.422 ng
RT: 25.608 min Scan# 3508
Delta R.T. -0.023 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:276 Resp: 4135

Ion	Ratio	Lower	Upper
276	100		
138	26.0	22.7	34.1
277	24.7	20.0	30.0



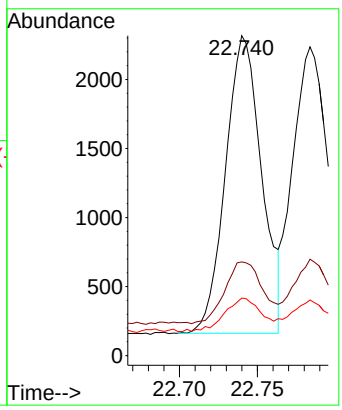


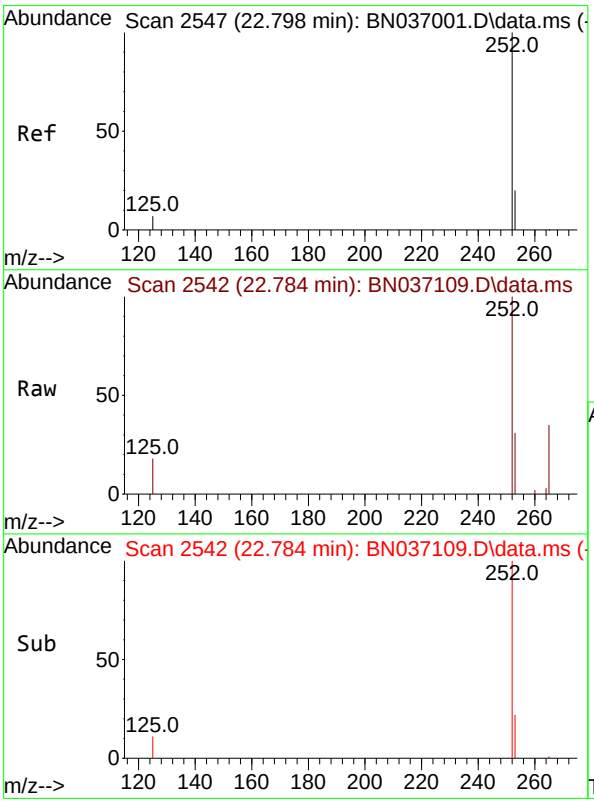
#37
Benzo(b)fluoranthene
Concen: 0.349 ng
RT: 22.740 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:252 Resp: 3476

Ion	Ratio	Lower	Upper
252	100		
253	29.3	21.8	32.6
125	18.0	14.6	21.8

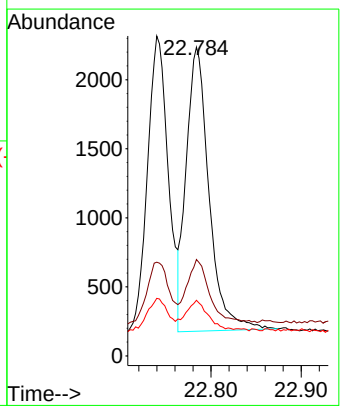


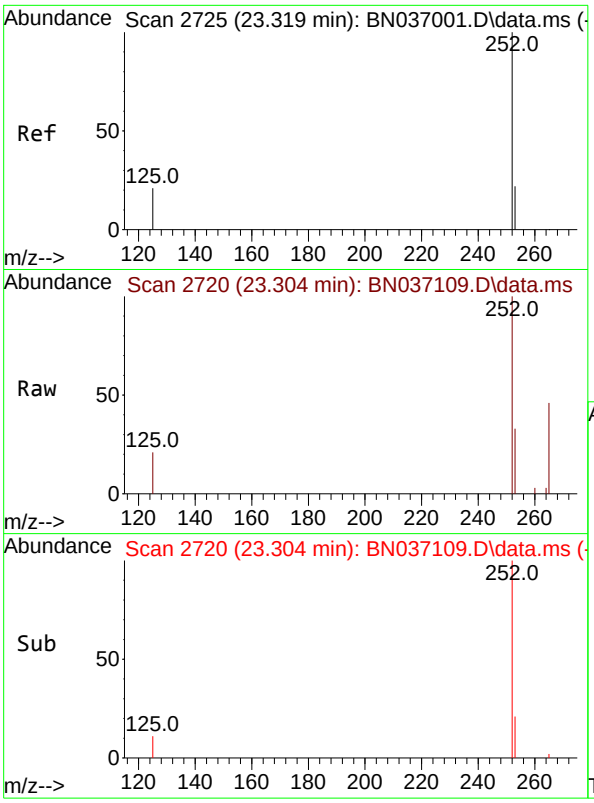


#38
Benzo(k)fluoranthene
Concen: 0.366 ng
RT: 22.784 min Scan# 2542
Delta R.T. -0.015 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:252 Resp: 3603

Ion	Ratio	Lower	Upper
252	100		
253	31.2	21.4	32.2
125	18.0	13.0	19.4



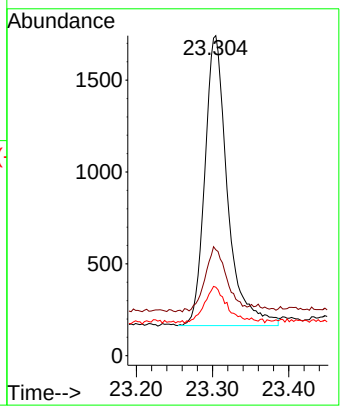


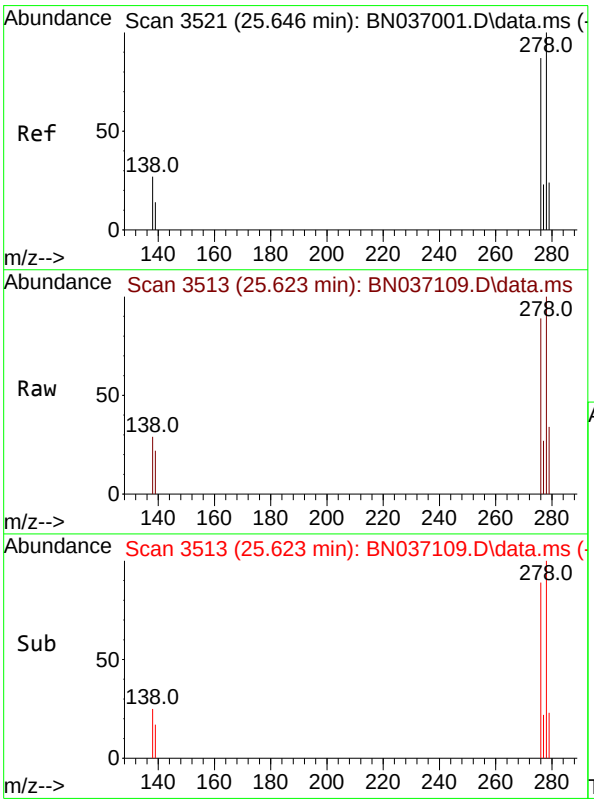
#39
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.304 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:252 Resp: 3246

Ion	Ratio	Lower	Upper
252	100		
253	33.1	23.8	35.6
125	21.4	21.8	32.6#

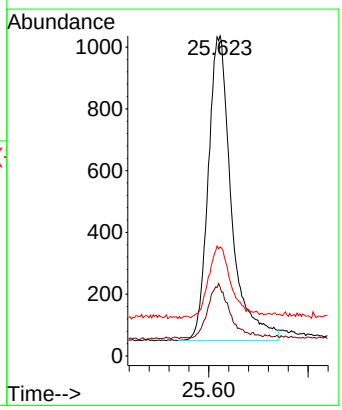


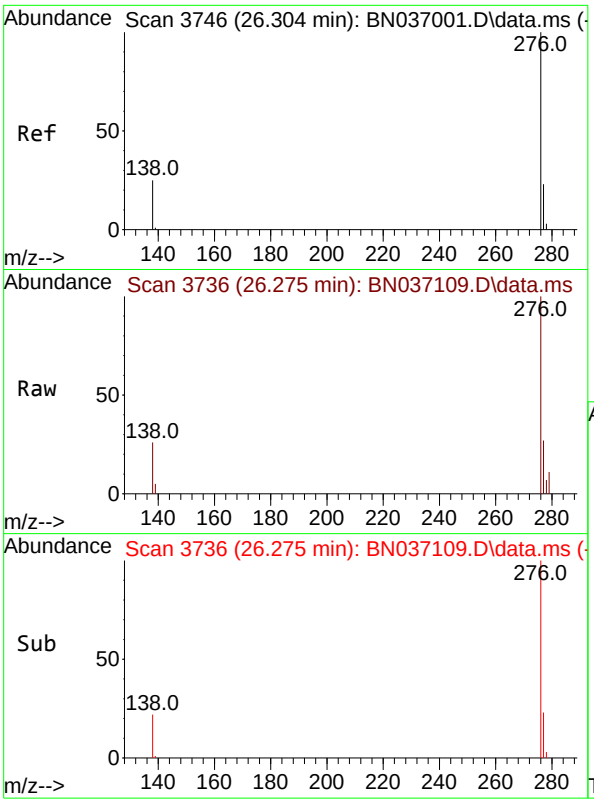


#40
Dibenzo(a,h)anthracene
Concen: 0.418 ng
RT: 25.623 min Scan# 3513
Delta R.T. -0.023 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Tgt Ion:278 Resp: 3192

Ion	Ratio	Lower	Upper
278	100		
139	21.5	17.4	26.0
279	34.1	24.6	37.0





#41
Benzo(g,h,i)perylene
Concen: 0.432 ng
RT: 26.275 min Scan# 3
Delta R.T. -0.029 min
Lab File: BN037109.D
Acq: 28 May 2025 14:53

Instrument :
BNA_N
ClientSampleId :
PB168155BSD

Tgt Ion:276 Resp: 3585

Ion	Ratio	Lower	Upper
276	100		
277	26.6	20.2	30.4
138	26.2	22.0	33.0