Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070225\
Data File : BN037430.D
Acq On : 02 Jul 2025 17:27
Operator : RC/JU
Sample : PB168695BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Quant Time: Jul 02 17:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 26 16:06:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	1957	0.400	ng	0.00
7) Naphthalene-d8	10.340	136	4090	0.400	ng	0.00
13) Acenaphthene-d10	14.213	164	2586	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	4790	0.400	ng	0.01
29) Chrysene-d12	21.171	240	4441	0.400	ng	# 0.00
35) Perylene-d12	23.357	264	5091	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.163	112	1355	0.359	ng	0.00
5) Phenol-d6	6.751	99	1291	0.330	ng	0.00
8) Nitrobenzene-d5	8.717	82	1158	0.353	ng	0.00
11) 2-Methylnaphthalene-d10	11.940	152	2970	0.469	ng	0.00
14) 2,4,6-Tribromophenol	15.718	330	477	0.314	ng	0.00
15) 2-Fluorobiphenyl	12.833	172	4275	0.383	ng	0.00
27) Fluoranthene-d10	19.007	212	4887	0.356	ng	0.00
31) Terphenyl-d14	19.616	244	3443	0.364	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	559	0.301	ng	# 59
3) n-Nitrosodimethylamine	3.415	42	668	0.364	ng	# 92
6) bis(2-Chloroethyl)ether	6.997	93	1140	0.328	ng	89
9) Naphthalene	10.383	128	3771	0.358	ng	99
10) Hexachlorobutadiene	10.682	225	1627	0.389	ng	# 97
12) 2-Methylnaphthalene	12.016	142	2274	0.314	ng	98
16) Acenaphthylene	13.935	152	4087	0.381	ng	100
17) Acenaphthene	14.277	154	2490	0.356	ng	97
18) Fluorene	15.271	166	3284	0.332	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	276	0.224	ng	# 62
21) 4-Bromophenyl-phenylether	16.164	248	1253	0.371	ng	# 89
22) Hexachlorobenzene	16.276	284	1469	0.404	ng	97
23) Atrazine	16.450	200	944	0.353	ng	# 93
24) Pentachlorophenol	16.624	266	1209	0.616	ng	99
25) Phenanthrene	17.009	178	4601	0.341	ng	99
26) Anthracene	17.108	178	4364	0.352	ng	98
28) Fluoranthene	19.035	202	5898	0.342	ng	99
30) Pyrene	19.398	202	5874	0.350	ng	98
32) Benzo(a)anthracene	21.153	228	4757	0.341	ng	98
33) Chrysene	21.206	228	6724	0.389	ng	99
34) Bis(2-ethylhexyl)phtha...	21.099	149	2188	0.396	ng	97
36) Indeno(1,2,3-cd)pyrene	25.544	276	8291	0.386	ng	95
37) Benzo(b)fluoranthene	22.705	252	5779	0.322	ng	# 90
38) Benzo(k)fluoranthene	22.749	252	7025	0.366	ng	# 93
39) Benzo(a)pyrene	23.263	252	6090	0.381	ng	# 89
40) Dibenzo(a,h)anthracene	25.564	278	5898	0.358	ng	# 90
41) Benzo(g,h,i)perylene	26.204	276	7365	0.374	ng	98

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

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Instrument :
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Quant Time: Jul 02 17:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 26 16:06:33 2025
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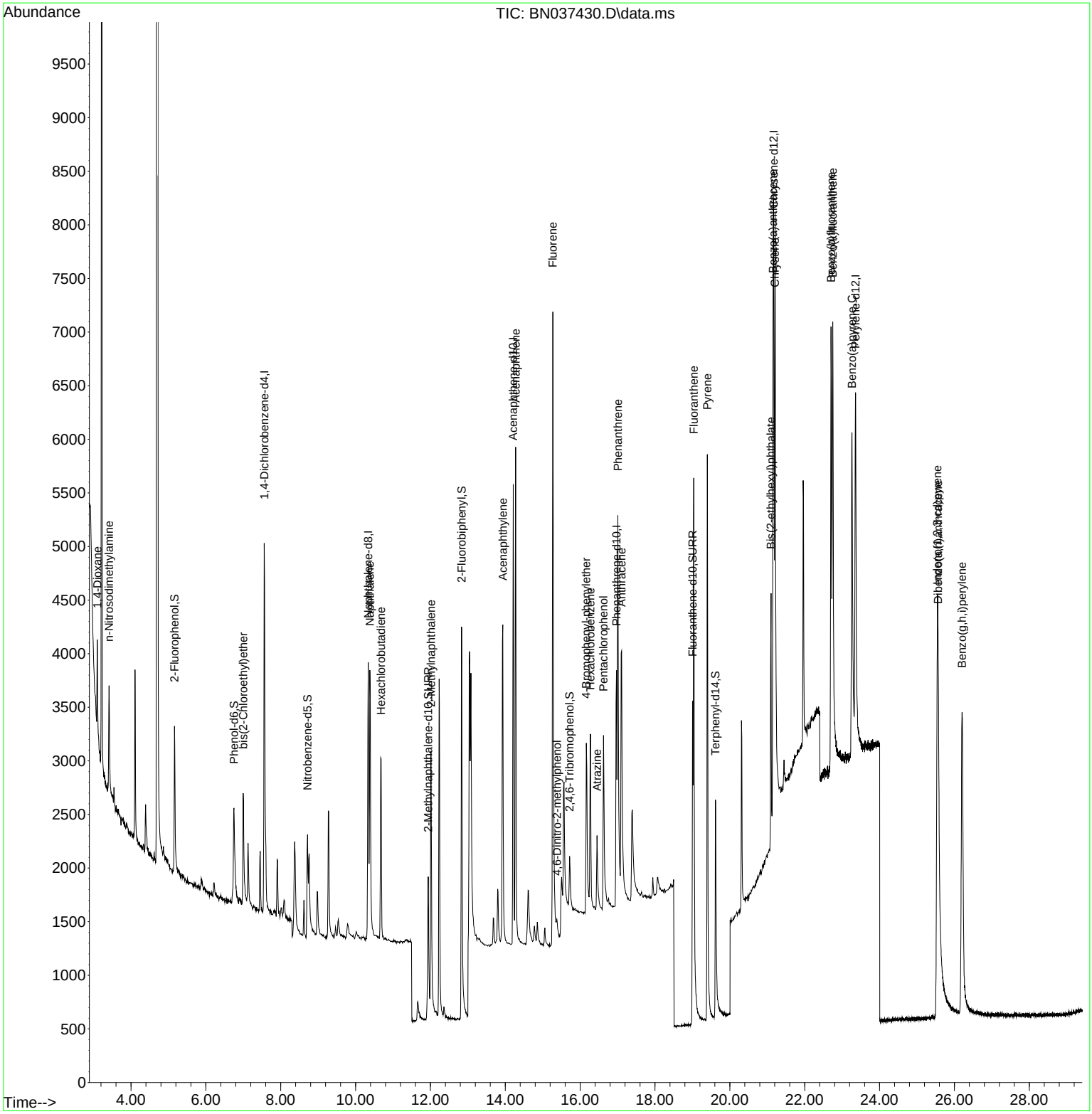
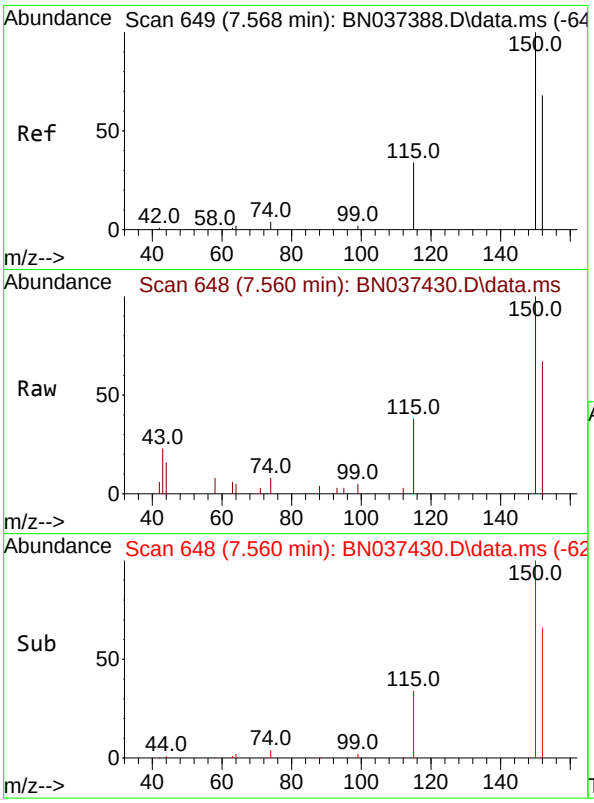


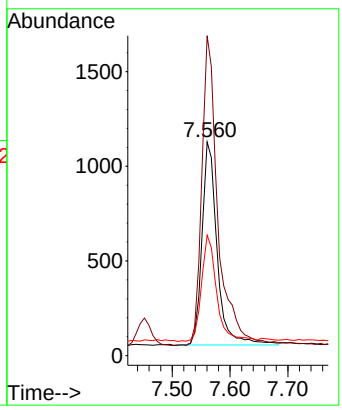


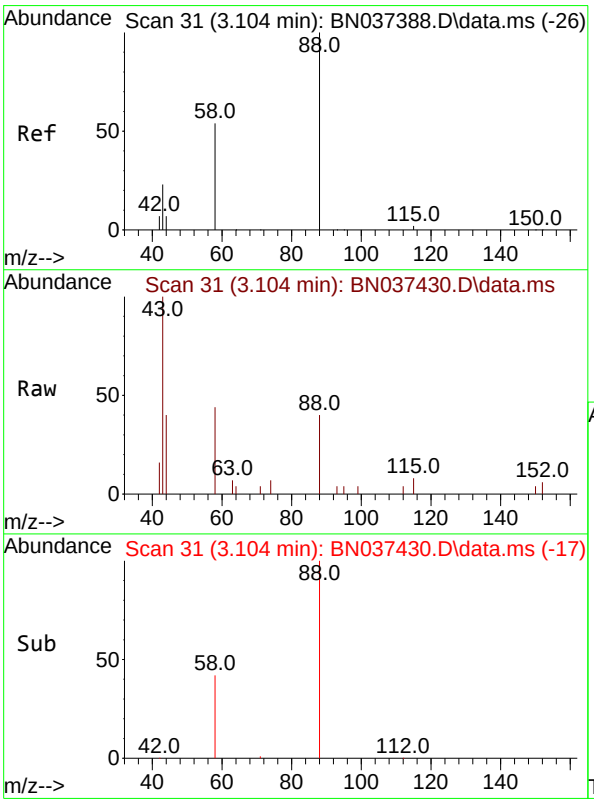
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.560 min Scan# 64
Delta R.T. -0.008 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:152 Resp: 1957

Ion	Ratio	Lower	Upper
152	100		
150	149.7	116.2	174.2
115	56.3	42.9	64.3

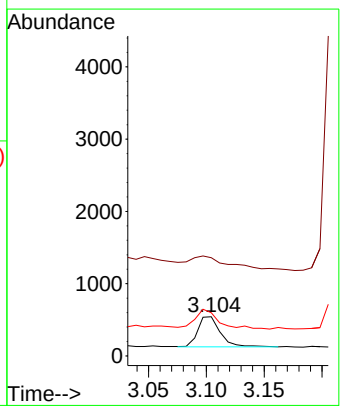


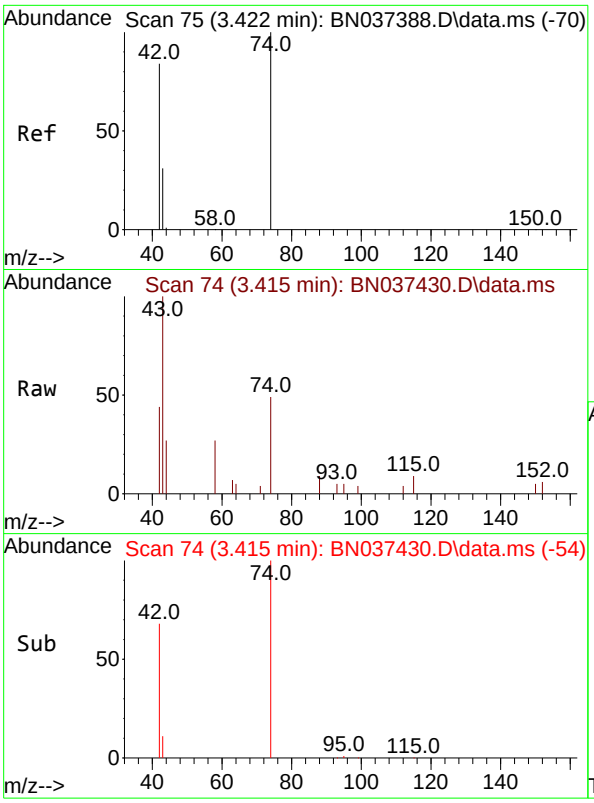


#2
1,4-Dioxane
Concen: 0.301 ng
RT: 3.104 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion: 88 Resp: 559

Ion	Ratio	Lower	Upper
88	100		
43	76.7	21.6	32.4#
58	68.9	45.9	68.9



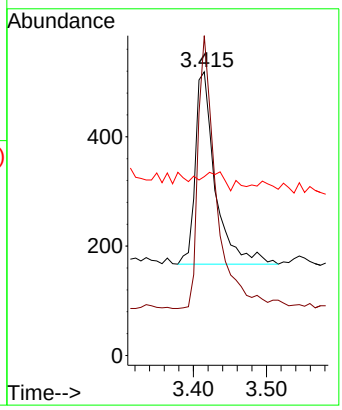


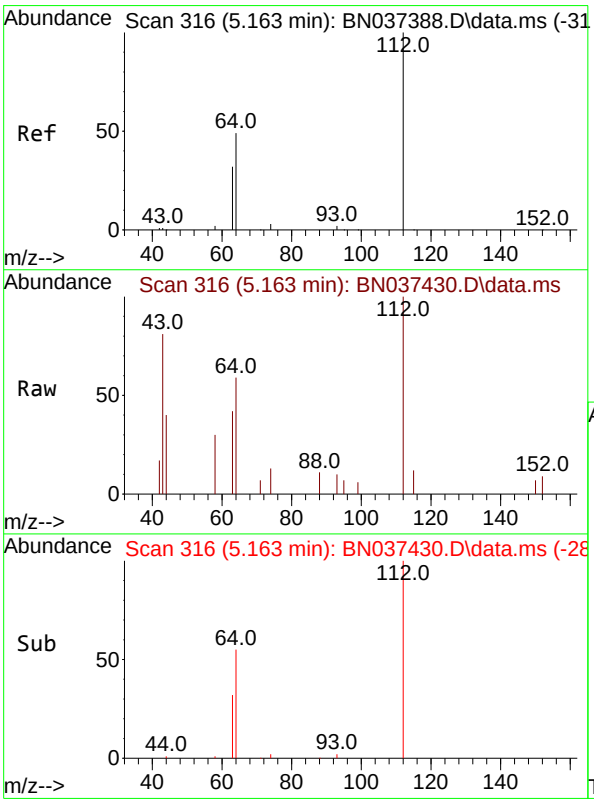
#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.415 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion: 42 Resp: 668

Ion	Ratio	Lower	Upper
42	100		
74	129.3	97.8	146.8
44	0.0	8.7	13.1#

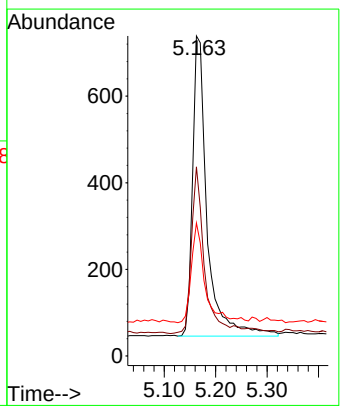


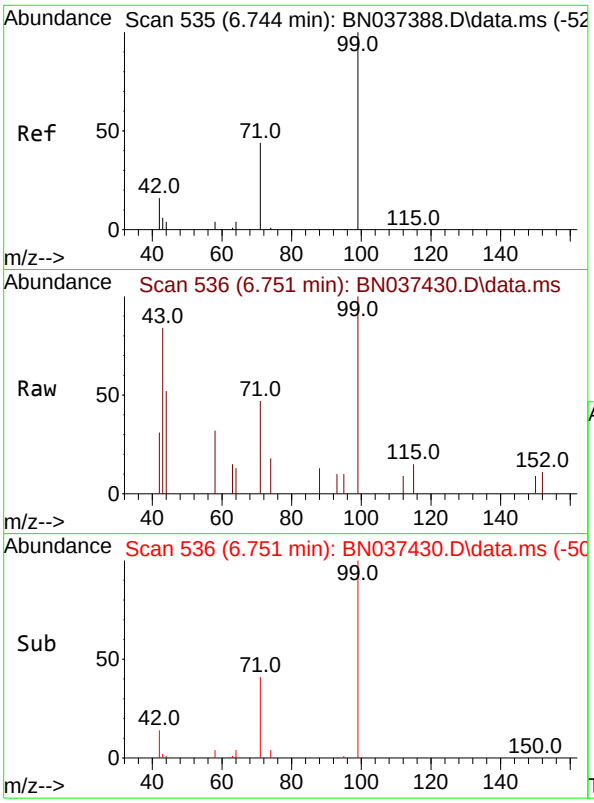


#4
2-Fluorophenol
Concen: 0.359 ng
RT: 5.163 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:112 Resp: 1355

Ion	Ratio	Lower	Upper
112	100		
64	50.0	40.3	60.5
63	31.3	26.1	39.1



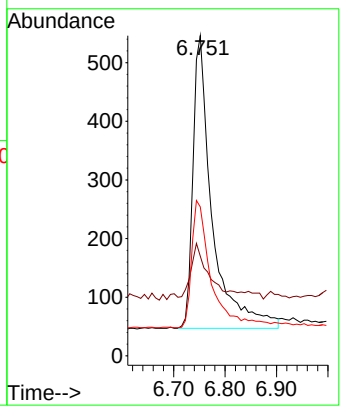


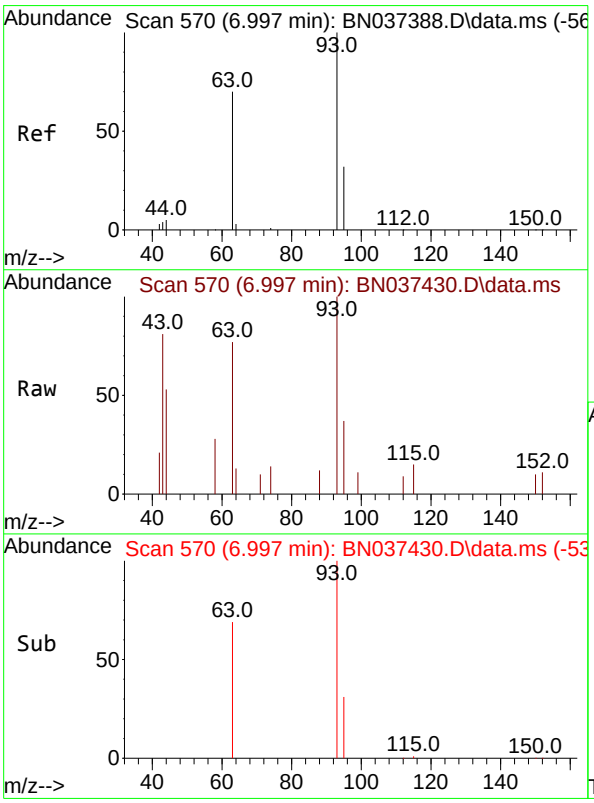
#5
Phenol-d6
Concen: 0.330 ng
RT: 6.751 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion: 99 Resp: 1291

Ion	Ratio	Lower	Upper
99	100		
42	15.3	15.6	23.4#
71	44.3	35.8	53.8

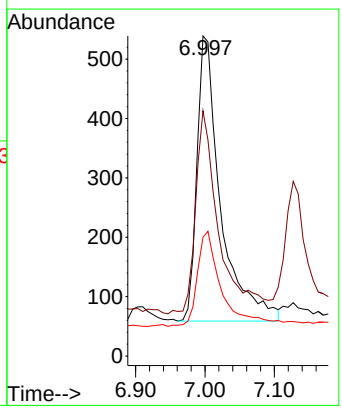


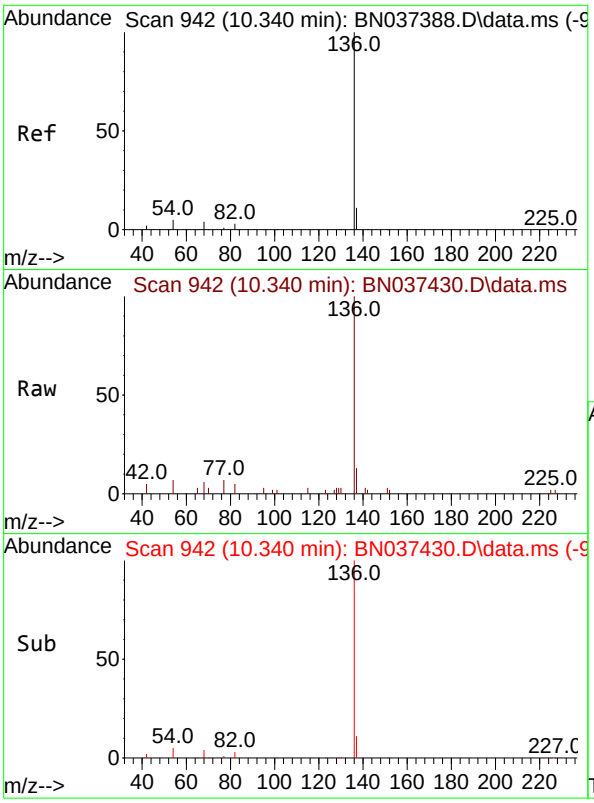


#6
bis(2-Chloroethyl)ether
Concen: 0.328 ng
RT: 6.997 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion: 93 Resp: 1140

Ion	Ratio	Lower	Upper
93	100		
63	70.3	49.6	74.4
95	35.9	23.9	35.9



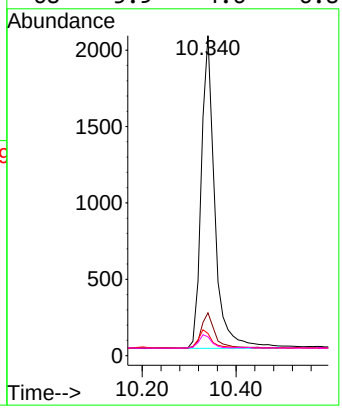


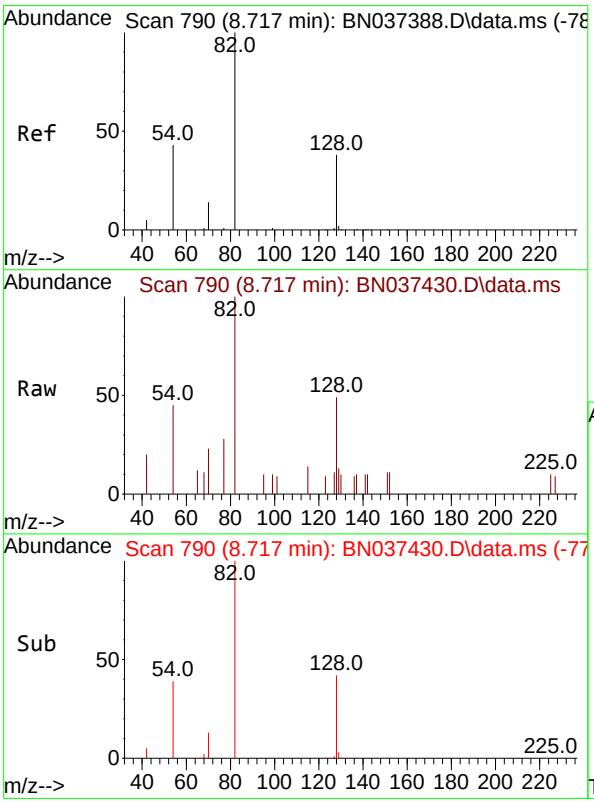
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.340 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:136 Resp: 4090

Ion	Ratio	Lower	Upper
136	100		
137	13.4	10.4	15.6
54	7.0	5.6	8.4
68	5.9	4.6	6.8

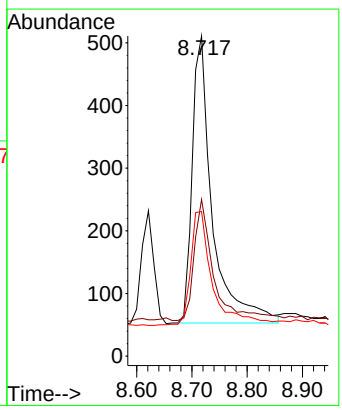


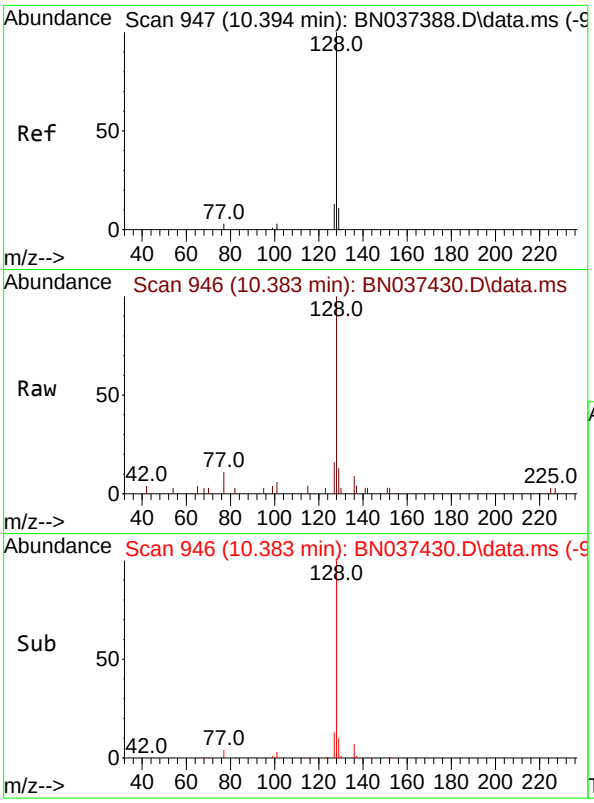


#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.717 min Scan# 790
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion: 82 Resp: 1158

Ion	Ratio	Lower	Upper
82	100		
128	48.9	34.0	51.0
54	45.2	37.7	56.5



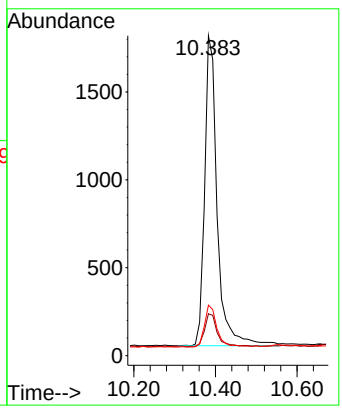


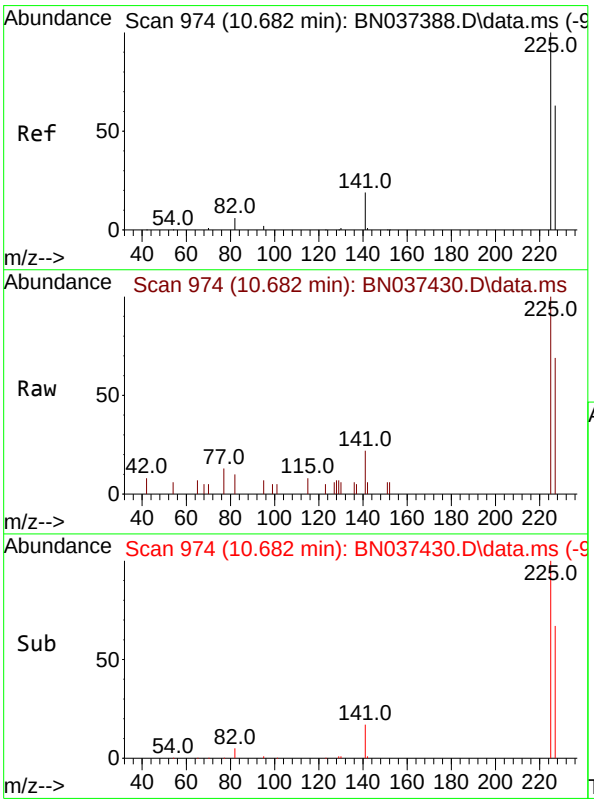
#9
Naphthalene
Concen: 0.358 ng
RT: 10.383 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:128 Resp: 3771

Ion	Ratio	Lower	Upper
128	100		
129	13.1	10.4	15.6
127	15.8	12.2	18.4

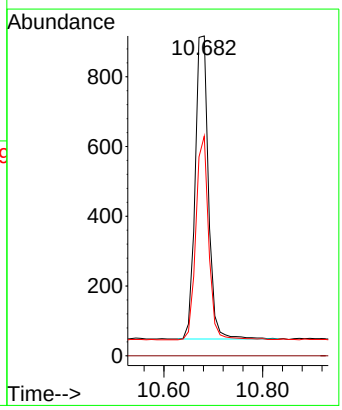


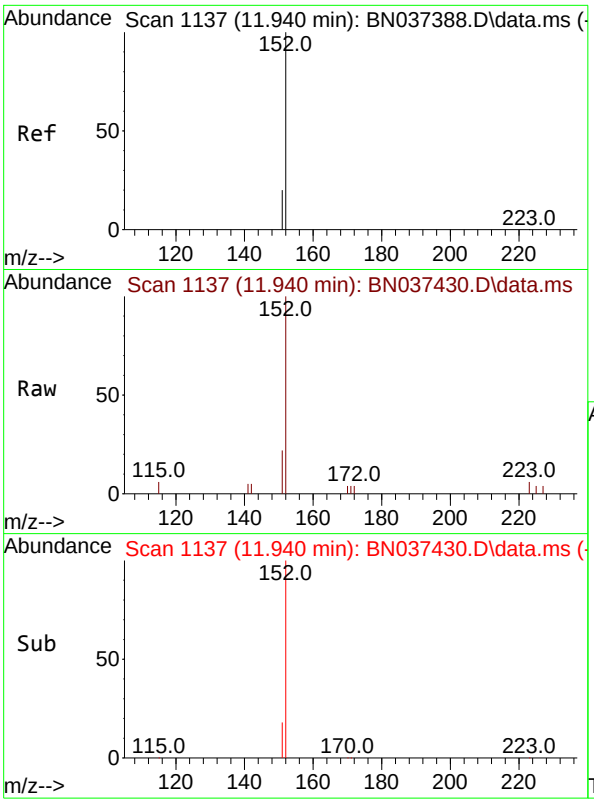


#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:225 Resp: 1627

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	49.9	74.9



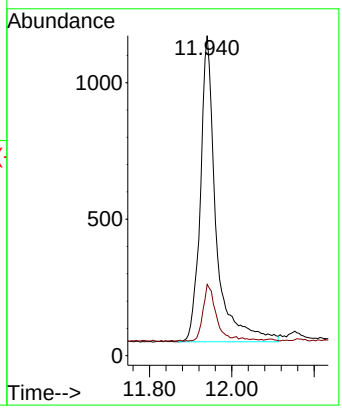


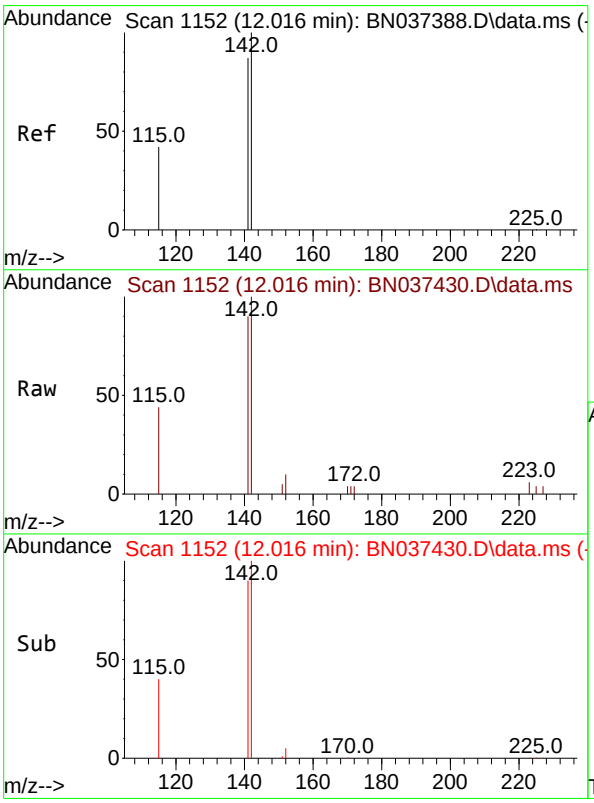
#11
2-Methylnaphthalene-d10
Concen: 0.469 ng
RT: 11.940 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:152 Resp: 2970

Ion	Ratio	Lower	Upper
152	100		
151	15.2	18.4	27.6#

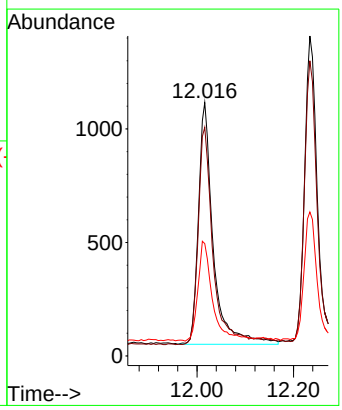


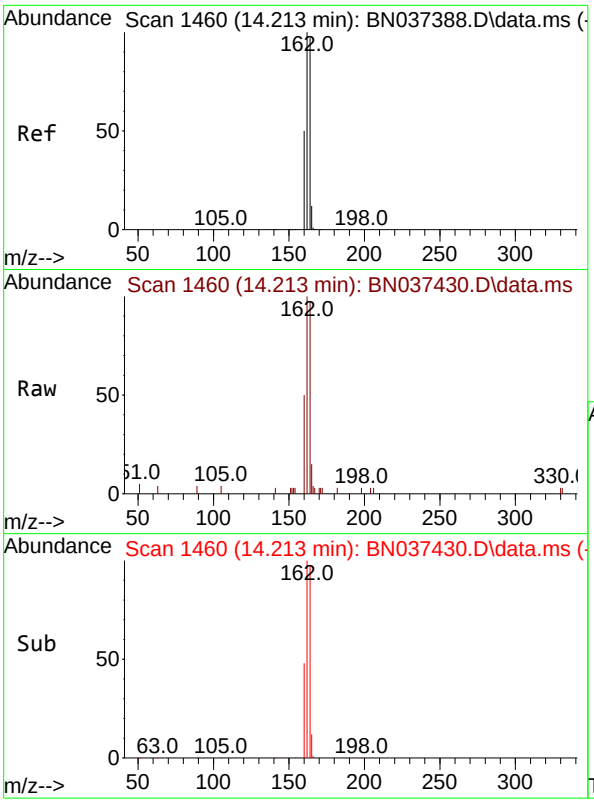


#12
2-Methylnaphthalene
Concen: 0.314 ng
RT: 12.016 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:142 Resp: 2274

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.1	105.1
115	44.4	35.8	53.6



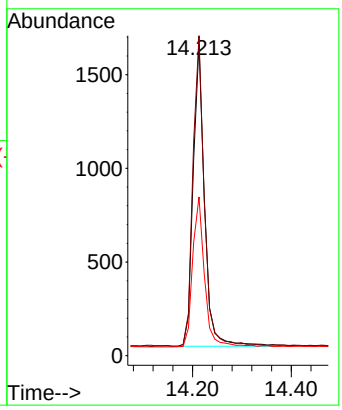


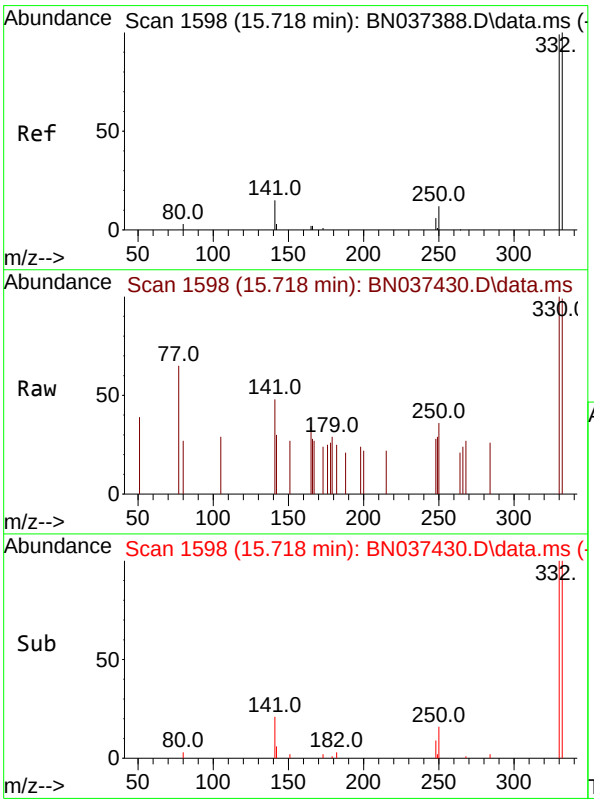
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.213 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:164 Resp: 2586

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	50.9	42.2	63.2

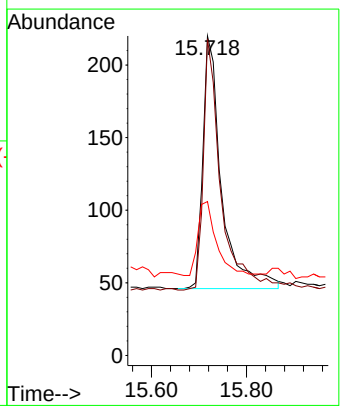


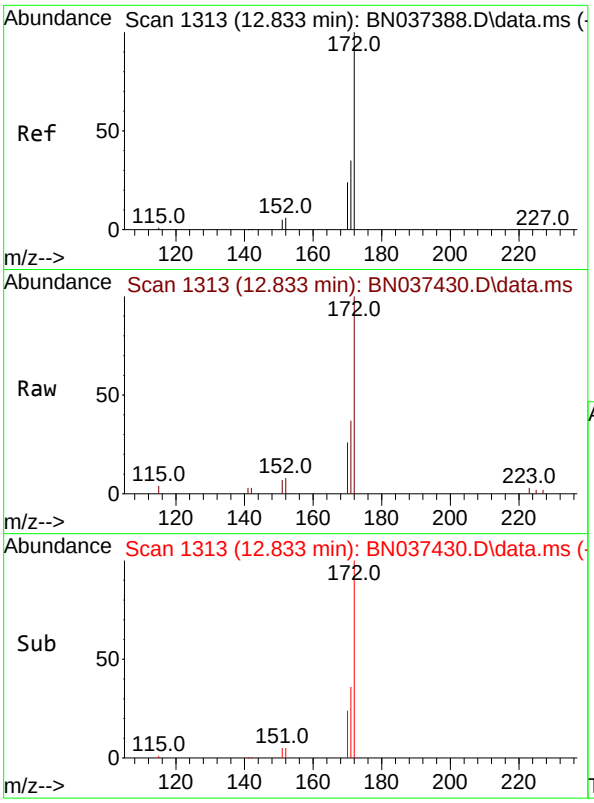


#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:330 Resp: 477

Ion	Ratio	Lower	Upper
330	100		
332	92.5	77.8	116.8
141	29.1	24.0	36.0



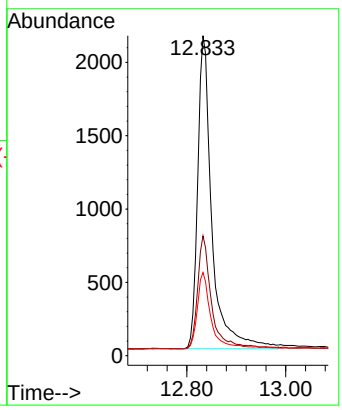


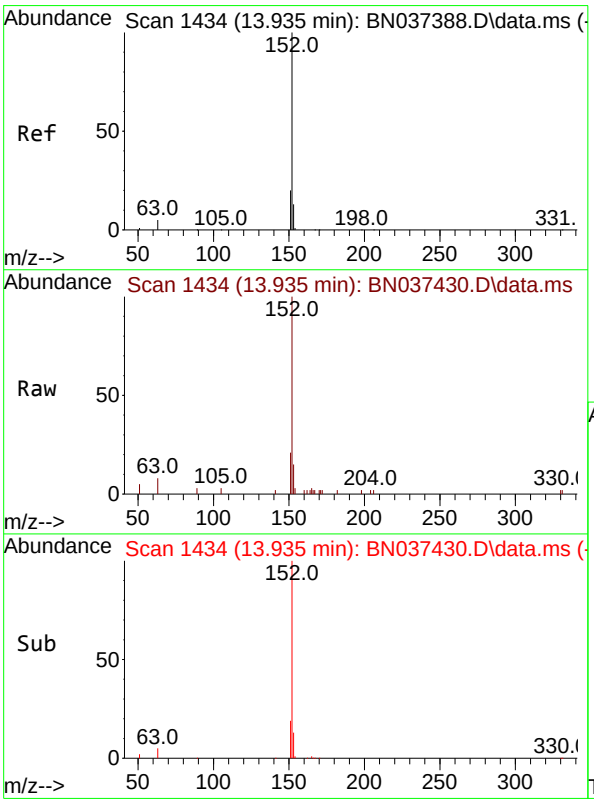
#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:172 Resp: 4275

Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.8	43.2
170	26.0	20.3	30.5

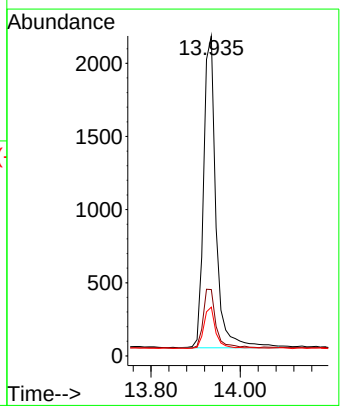


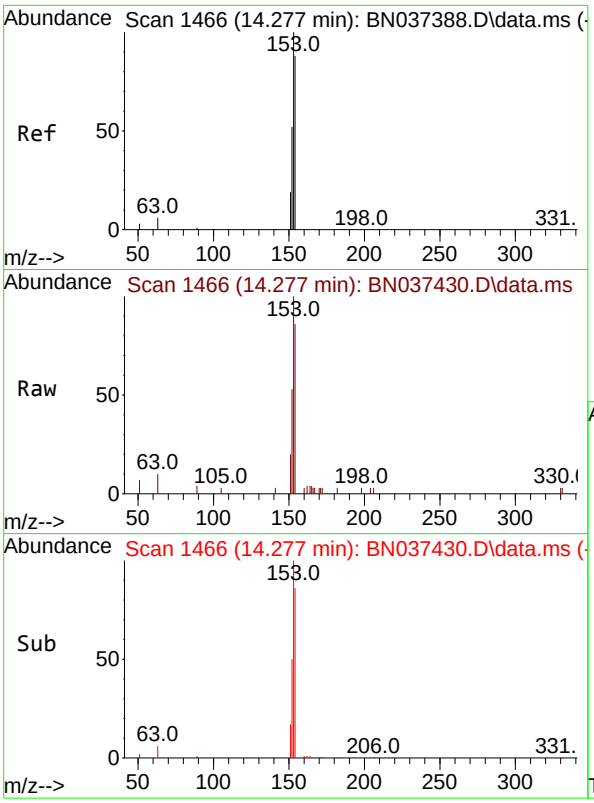


#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:152 Resp: 4087

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.3	15.5



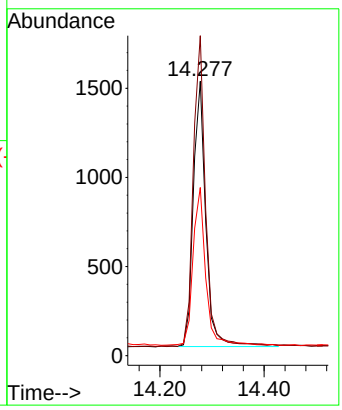


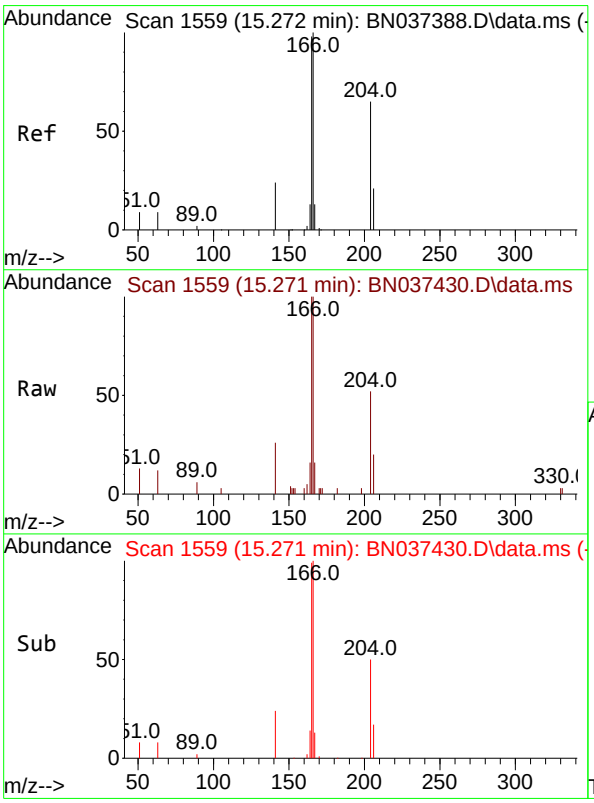
#17
Acenaphthene
Concen: 0.356 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:154 Resp: 2490

Ion	Ratio	Lower	Upper
154	100		
153	115.0	94.6	141.8
152	60.2	50.2	75.2

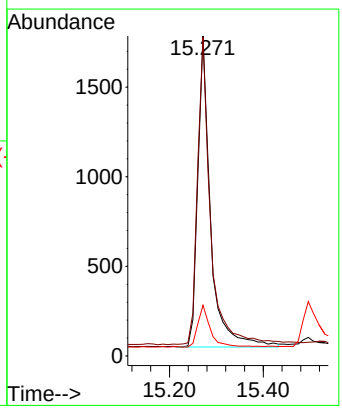


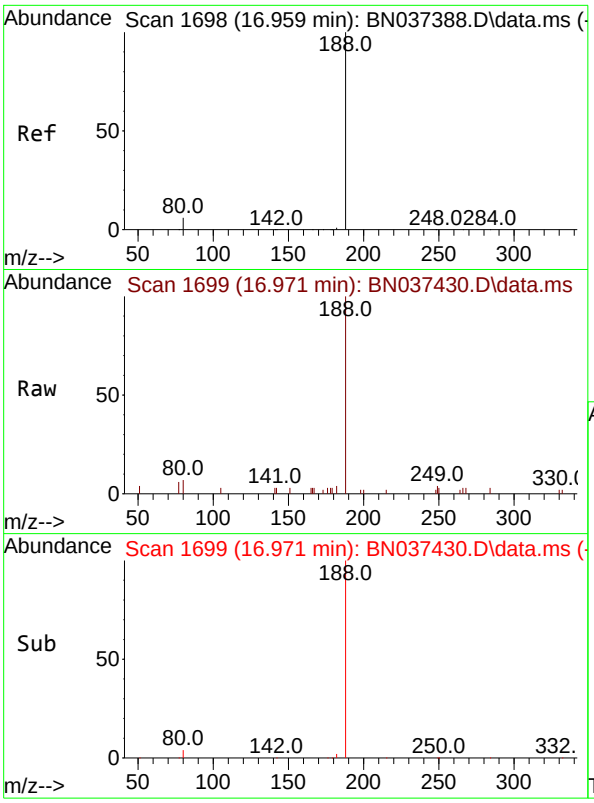


#18
Fluorene
Concen: 0.332 ng
RT: 15.271 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:166 Resp: 3284

Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.4	119.2
167	13.4	10.6	15.8



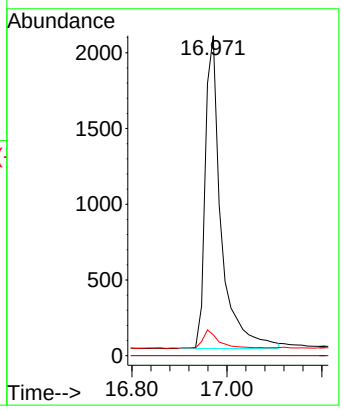


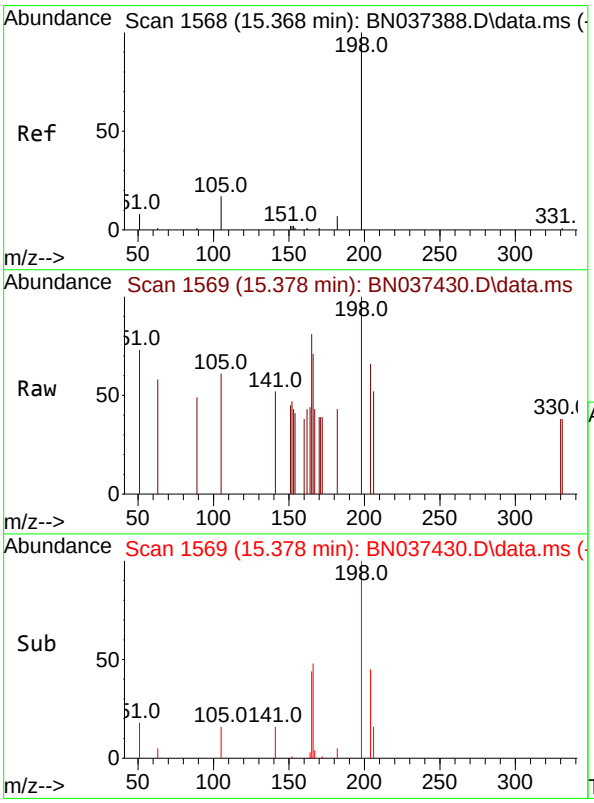
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:188 Resp: 4790

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.2	9.4

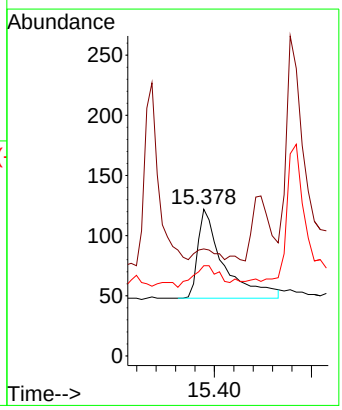


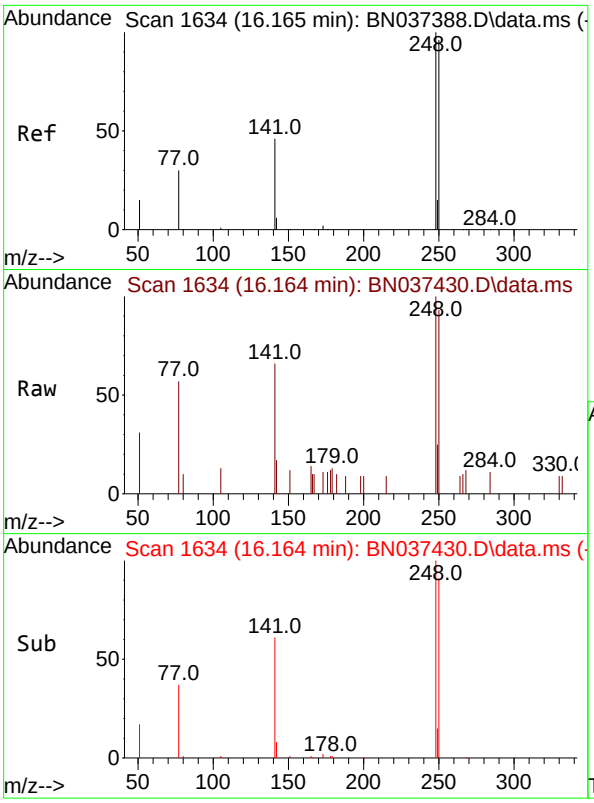


#20
4,6-Dinitro-2-methylphenol
Concen: 0.224 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.011 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:198 Resp: 276

Ion	Ratio	Lower	Upper
198	100		
51	73.0	38.8	58.2#
105	61.5	29.8	44.6#



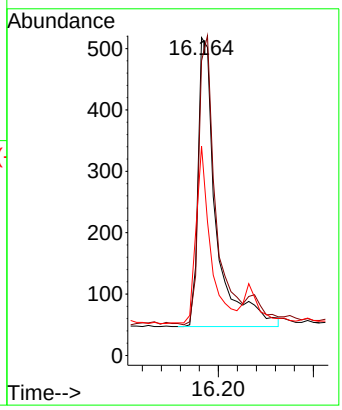


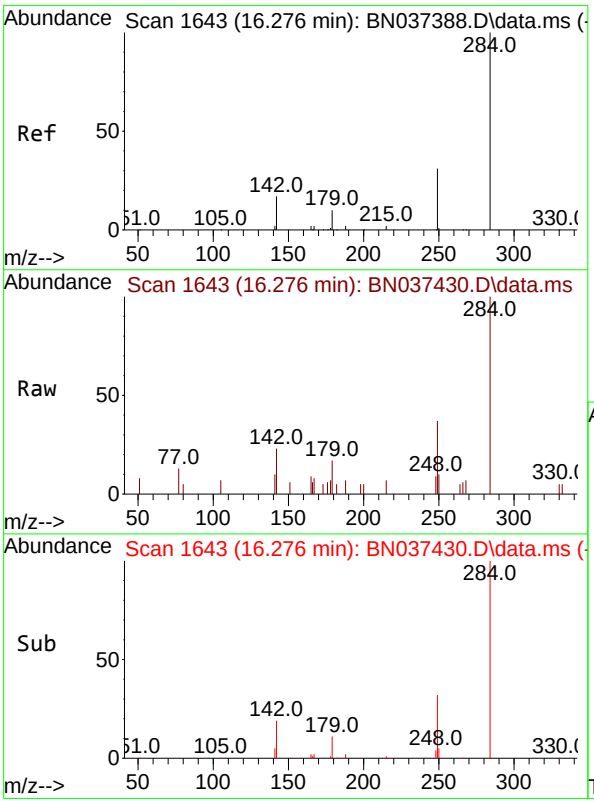
#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 16.164 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:248 Resp: 1253

Ion	Ratio	Lower	Upper
248	100		
250	92.7	77.0	115.4
141	65.8	38.7	58.1#

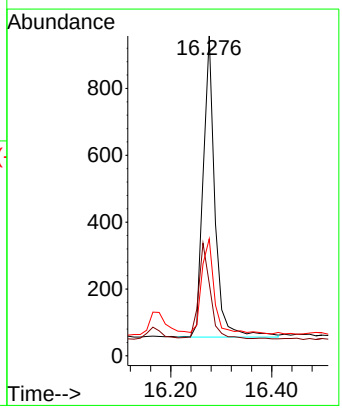


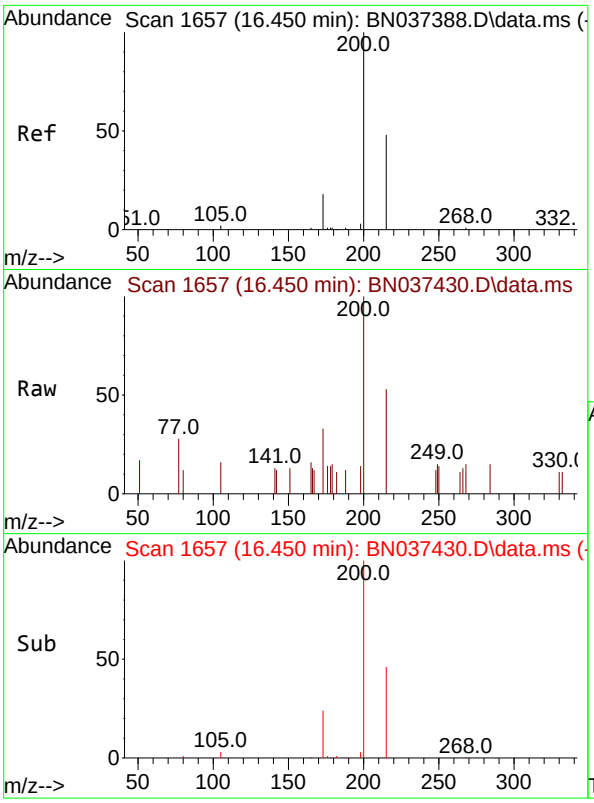


#22
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.276 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:284 Resp: 1469

Ion	Ratio	Lower	Upper
284	100		
142	31.2	27.2	40.8
249	34.4	26.7	40.1



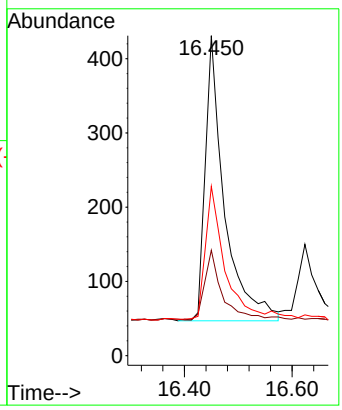


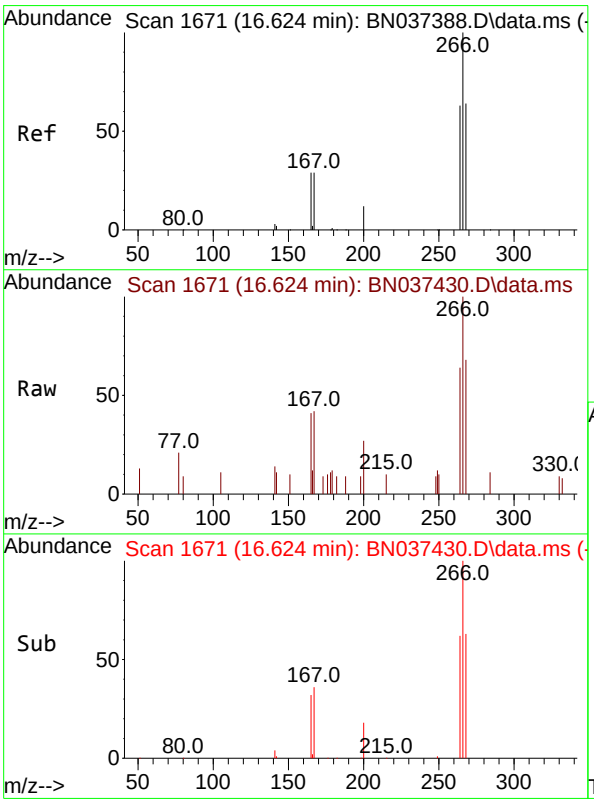
#23
Atrazine
Concen: 0.353 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:200 Resp: 944

Ion	Ratio	Lower	Upper
200	100		
173	32.9	19.0	28.6#
215	52.9	41.3	61.9

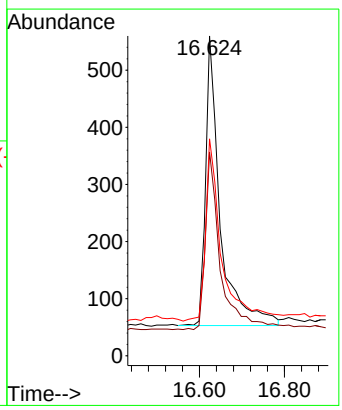


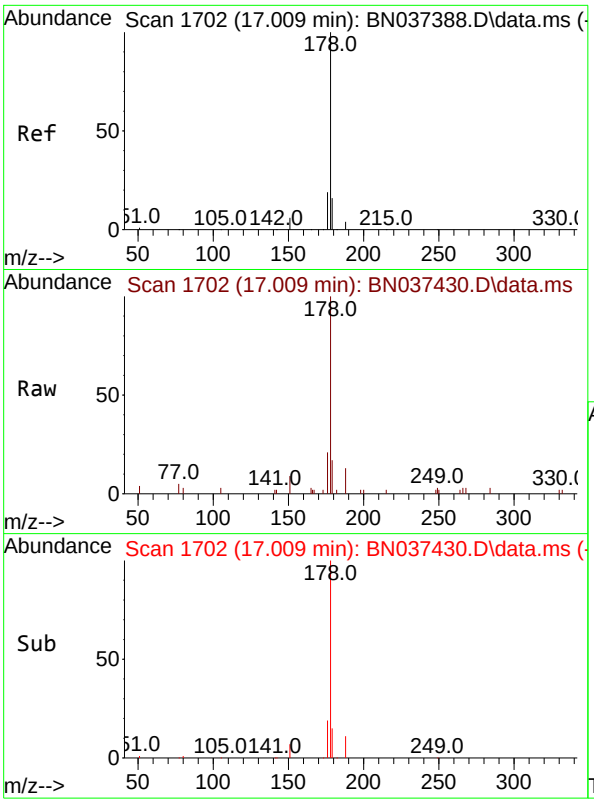


#24
Pentachlorophenol
Concen: 0.616 ng
RT: 16.624 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:266 Resp: 1209

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.2	73.8
268	68.5	54.2	81.4



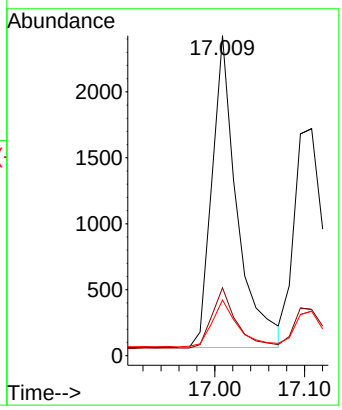


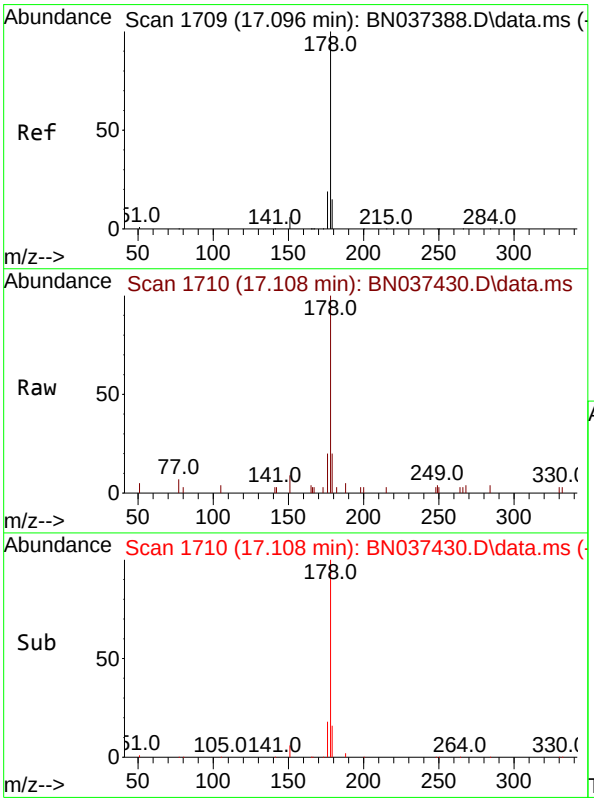
#25
Phenanthrene
Concen: 0.341 ng
RT: 17.009 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:178 Resp: 4601

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.6	12.8	19.2

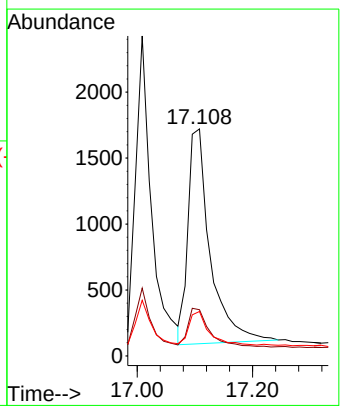


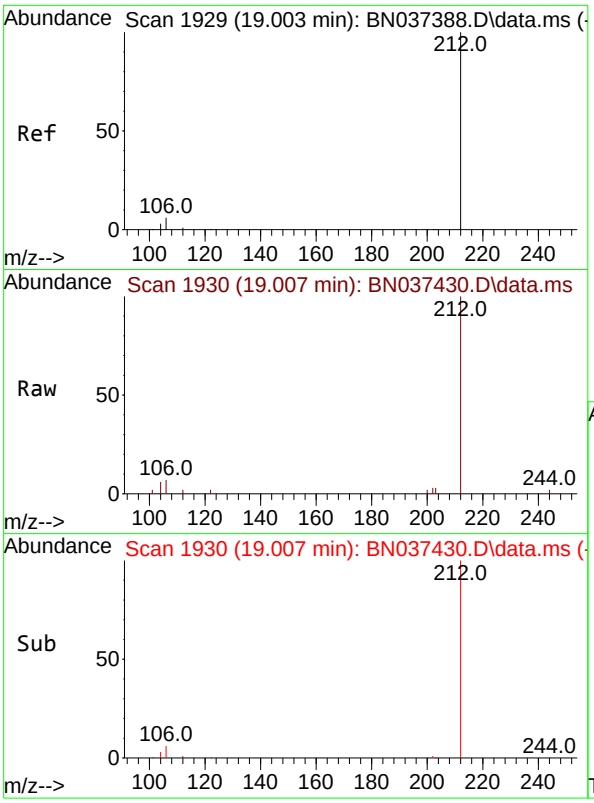


#26
Anthracene
Concen: 0.352 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.012 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:178 Resp: 4364

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.9	22.3
179	14.5	12.4	18.6



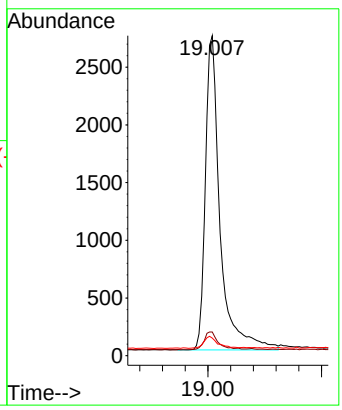


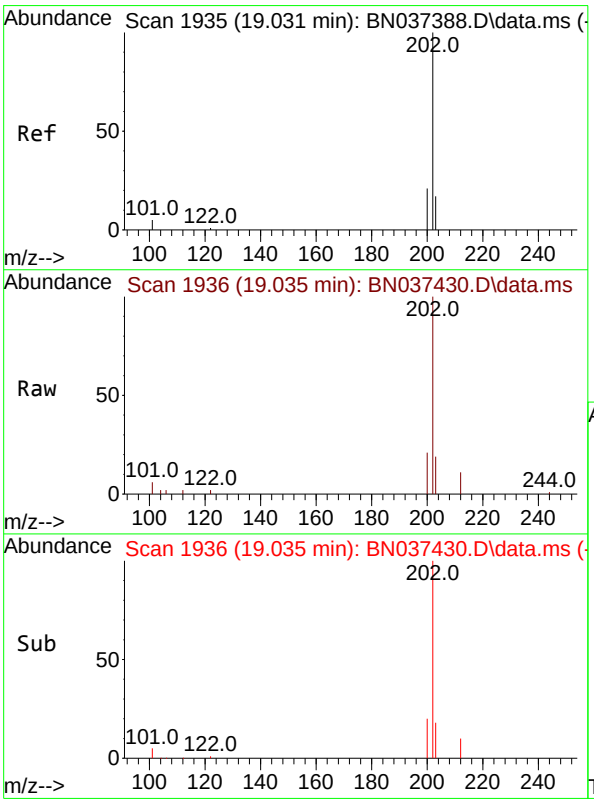
#27
Fluoranthene-d10
Concen: 0.356 ng
RT: 19.007 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:212 Resp: 4887

Ion	Ratio	Lower	Upper
212	100		
106	5.6	4.5	6.7
104	3.6	2.7	4.1

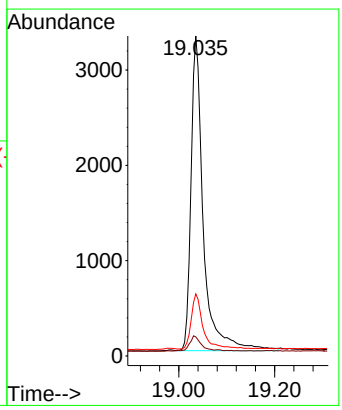


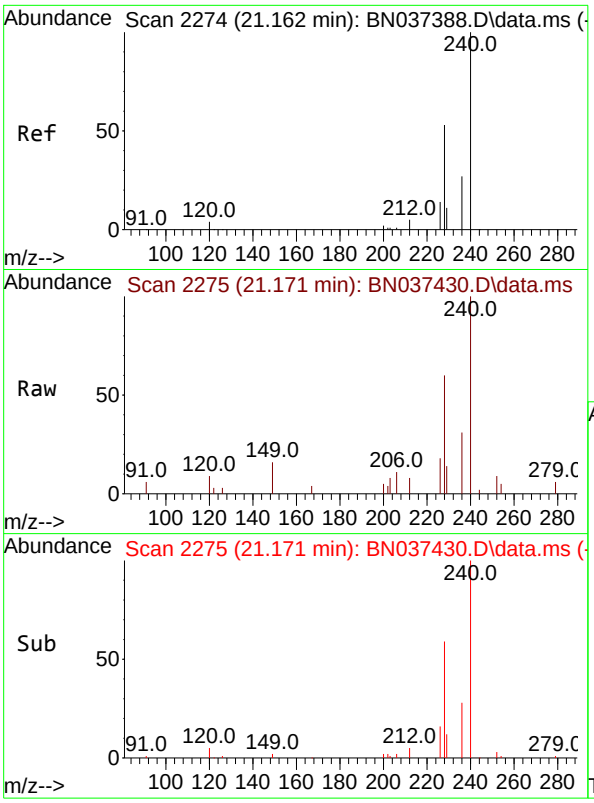


#28
Fluoranthene
Concen: 0.342 ng
RT: 19.035 min Scan# 1936
Delta R.T. 0.005 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:202 Resp: 5898

Ion	Ratio	Lower	Upper
202	100		
101	4.5	3.8	5.6
203	17.2	13.5	20.3



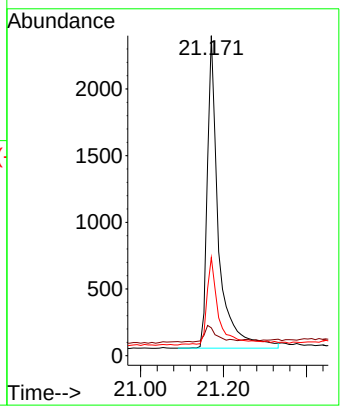


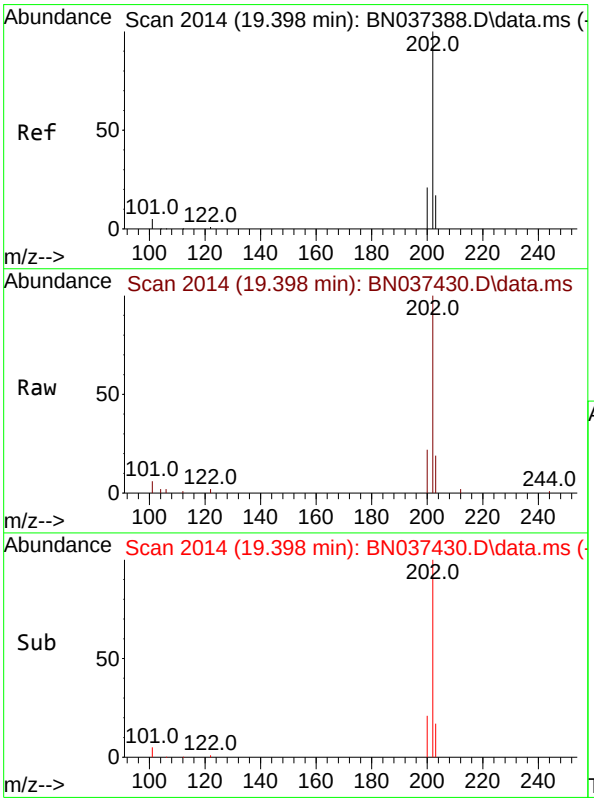
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:240 Resp: 4441

Ion	Ratio	Lower	Upper
240	100		
120	8.7	5.3	7.9#
236	30.7	22.7	34.1

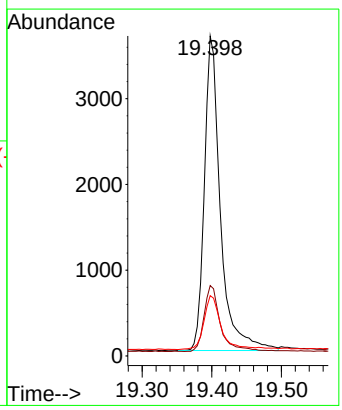


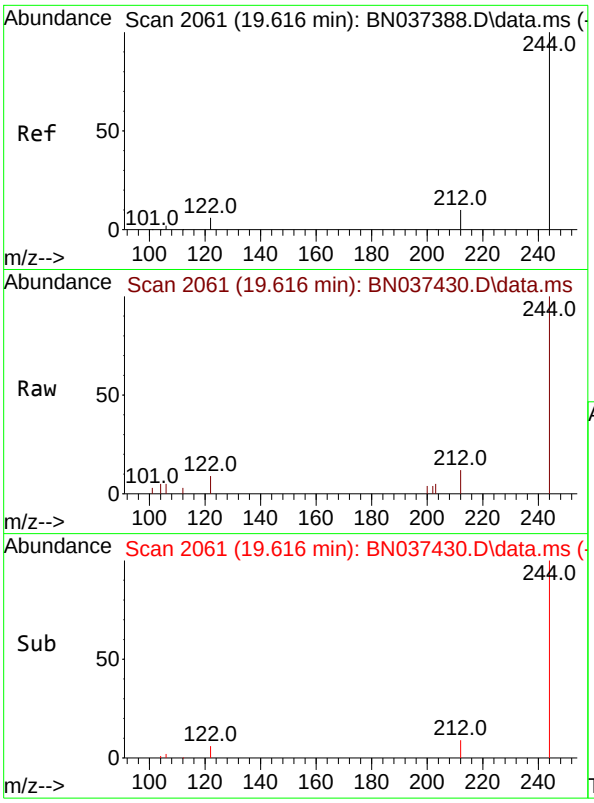


#30
Pyrene
Concen: 0.350 ng
RT: 19.398 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:202 Resp: 5874

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.5	24.7
203	18.5	14.2	21.2



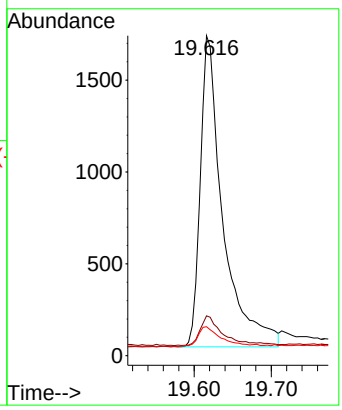


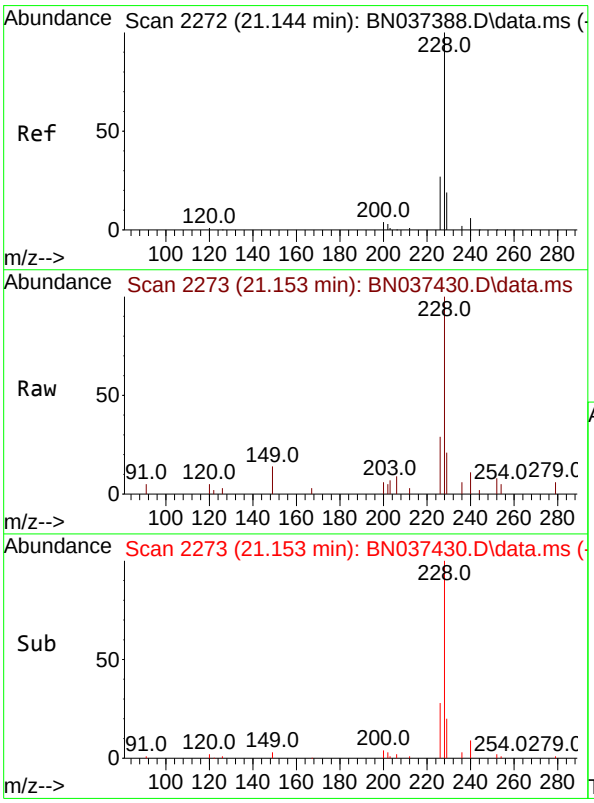
#31
Terphenyl-d14
Concen: 0.364 ng
RT: 19.616 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:244 Resp: 3443

Ion	Ratio	Lower	Upper
244	100		
212	12.5	9.1	13.7
122	9.1	6.3	9.5

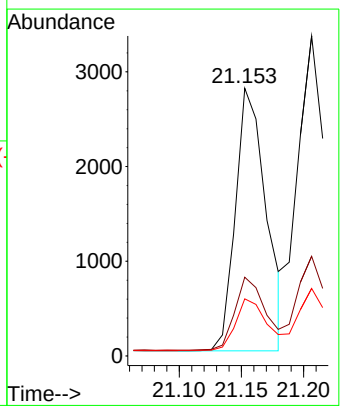


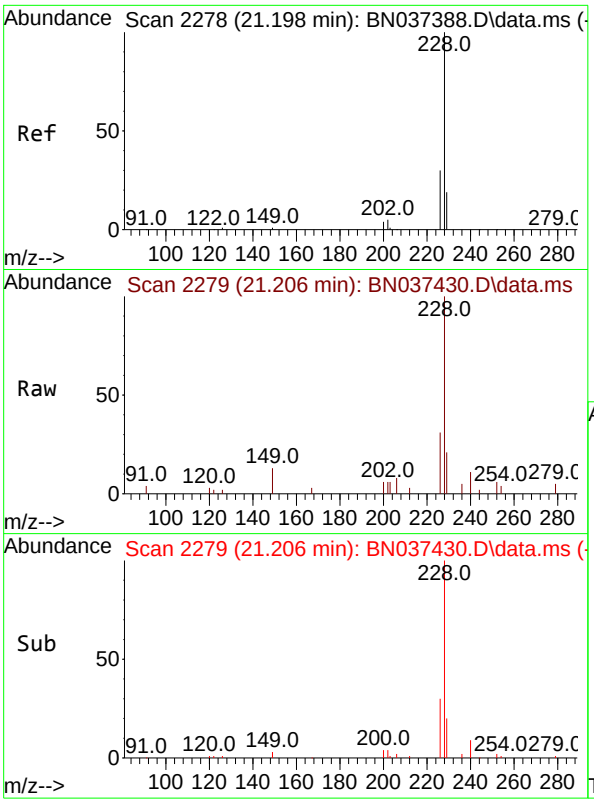


#32
Benzo(a)anthracene
Concen: 0.341 ng
RT: 21.153 min Scan# 2273
Delta R.T. 0.009 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:228 Resp: 4757

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	34.0
229	21.3	16.2	24.2



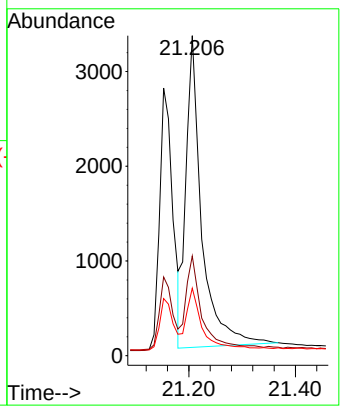


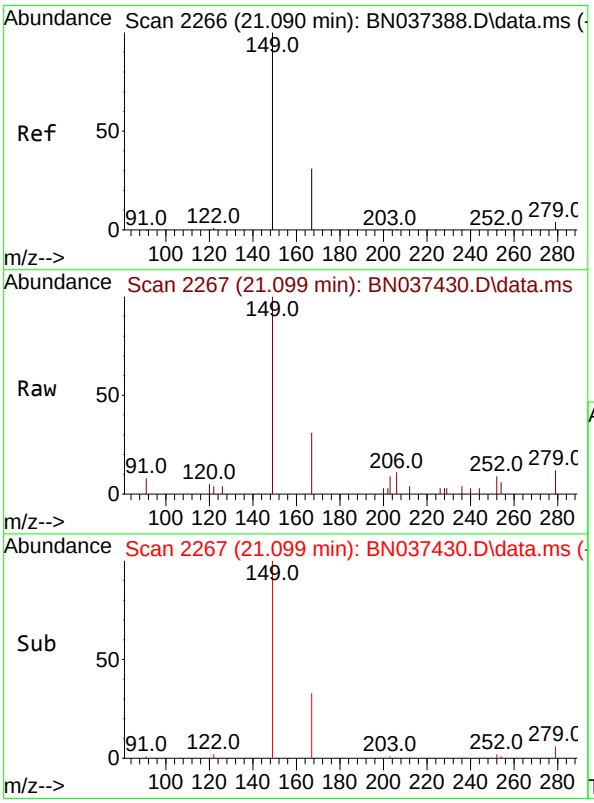
#33
Chrysene
Concen: 0.389 ng
RT: 21.206 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:228 Resp: 6724

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.5	36.7
229	21.1	16.1	24.1

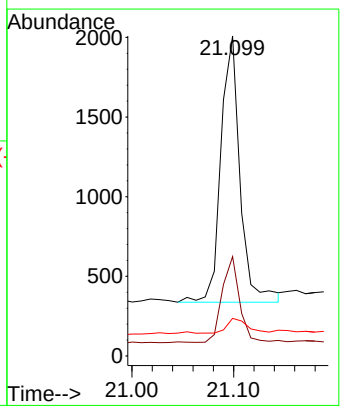


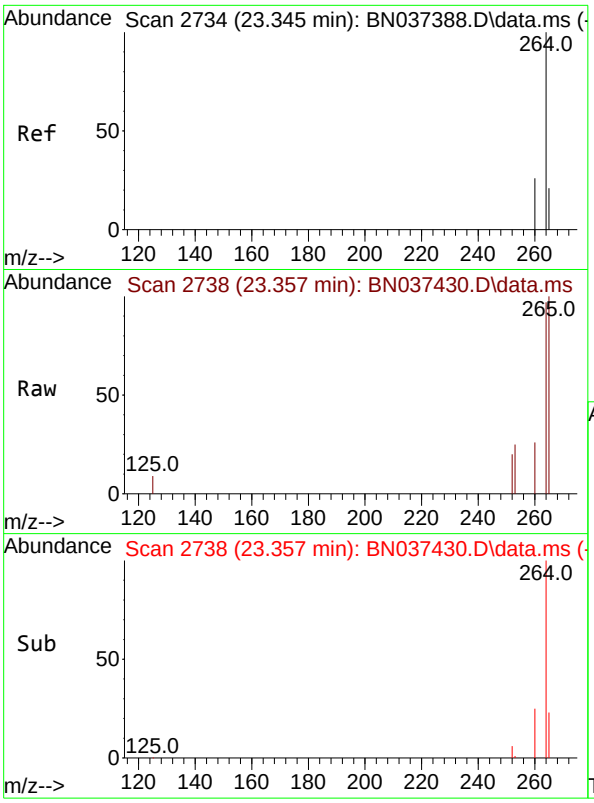


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.396 ng
RT: 21.099 min Scan# 2267
Delta R.T. 0.009 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:149 Resp: 2188

Ion	Ratio	Lower	Upper
149	100		
167	29.3	24.8	37.2
279	5.9	5.0	7.6



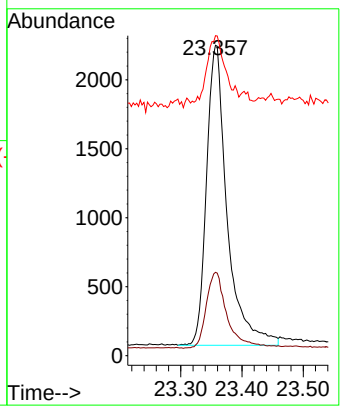


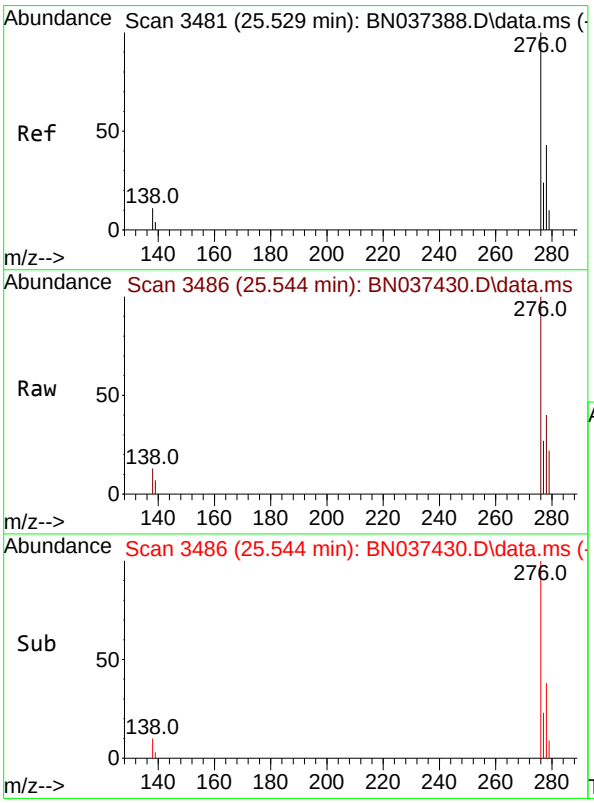
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.357 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:264 Resp: 5091

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.0
265	103.1	56.2	84.4#

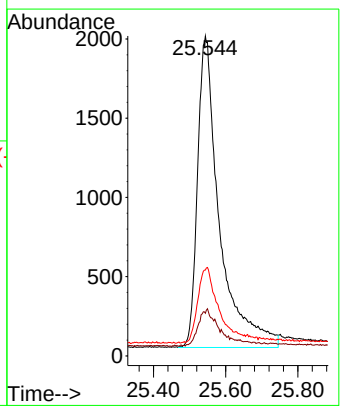


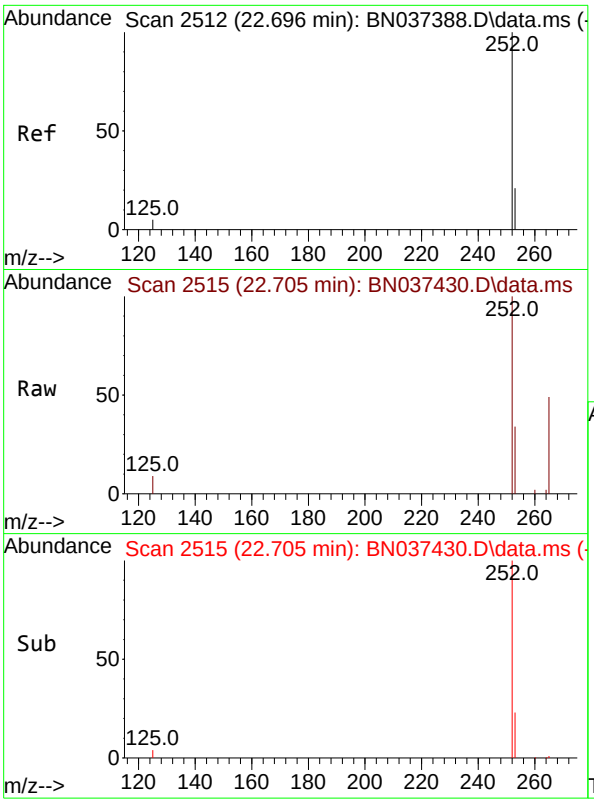


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 25.544 min Scan# 3486
Delta R.T. 0.015 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:276 Resp: 8291

Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.5	12.7
277	21.5	19.7	29.5



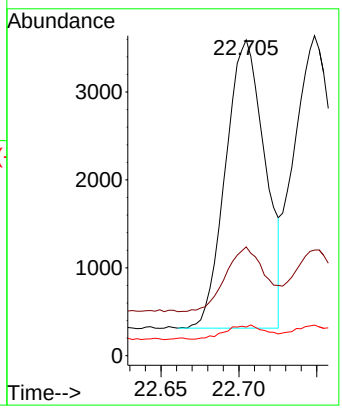


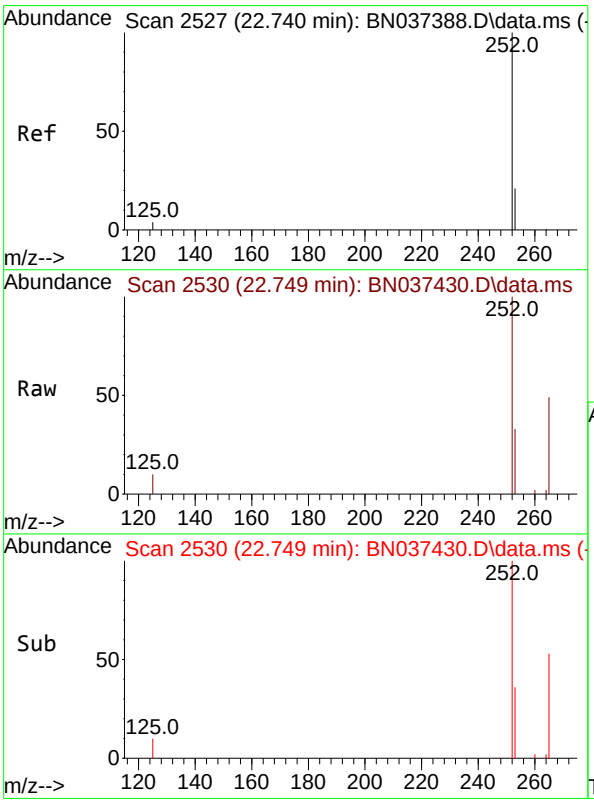
#37
Benzo(b)fluoranthene
Concen: 0.322 ng
RT: 22.705 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:252 Resp: 5779

Ion	Ratio	Lower	Upper
252	100		
253	34.5	22.8	34.2#
125	9.1	6.2	9.4

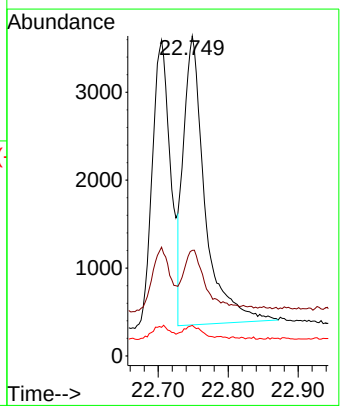


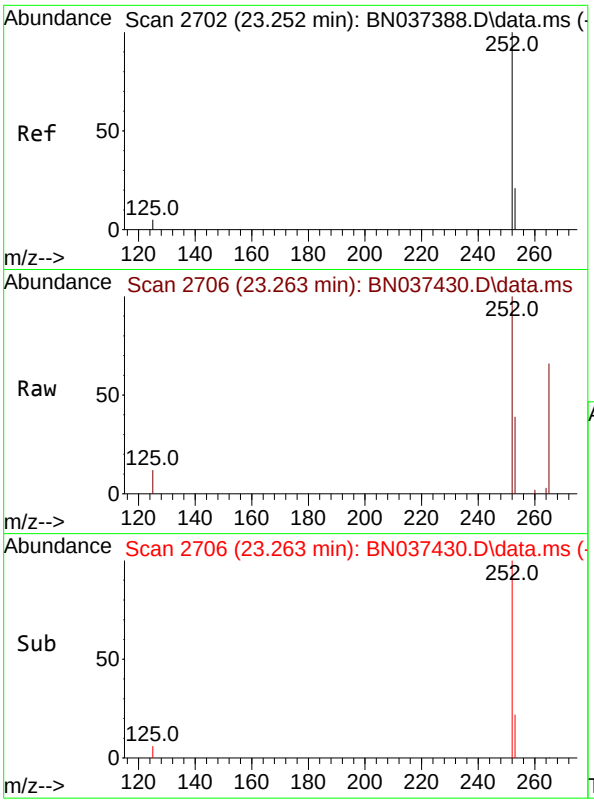


#38
Benzo(k)fluoranthene
Concen: 0.366 ng
RT: 22.749 min Scan# 2530
Delta R.T. 0.009 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:252 Resp: 7025

Ion	Ratio	Lower	Upper
252	100		
253	33.0	23.2	34.8
125	9.6	6.0	9.0#



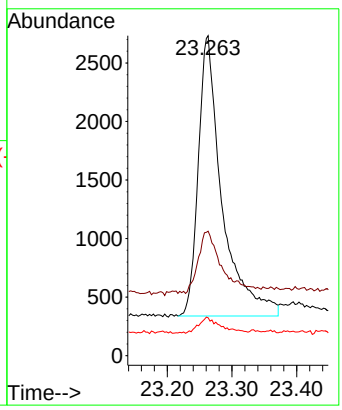


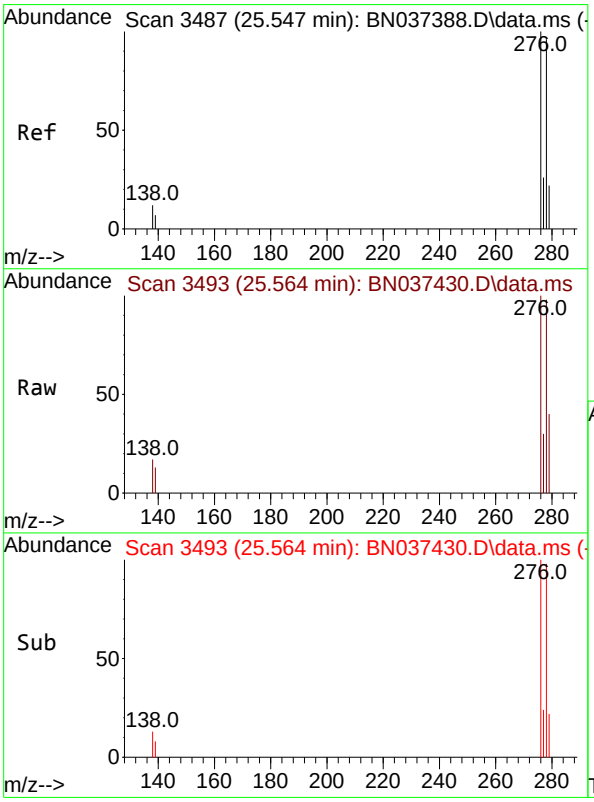
#39
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.263 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:252 Resp: 6090

Ion	Ratio	Lower	Upper
252	100		
253	38.9	25.6	38.4#
125	11.9	7.5	11.3#

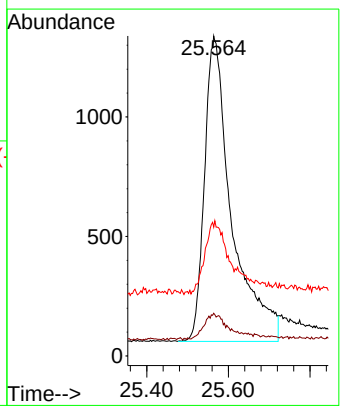


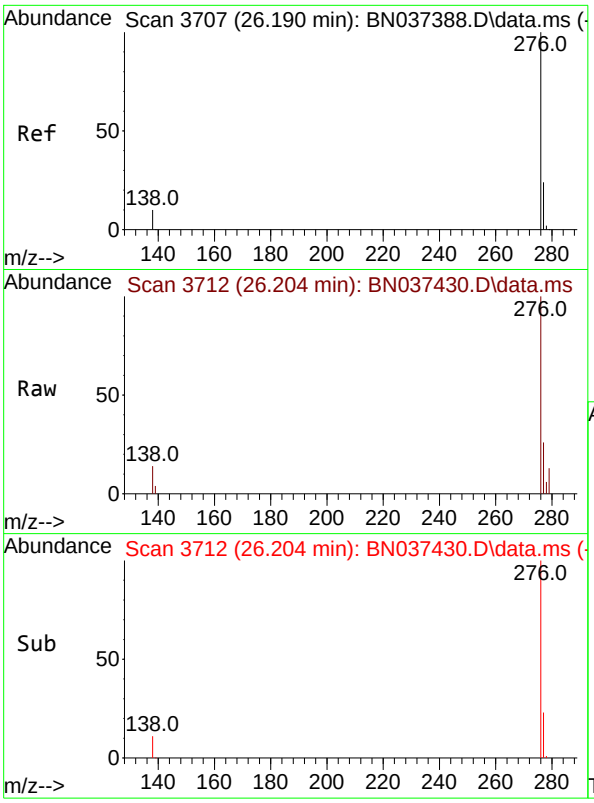


#40
Dibenzo(a,h)anthracene
Concen: 0.358 ng
RT: 25.564 min Scan# 3493
Delta R.T. 0.017 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Tgt Ion:278 Resp: 5898

Ion	Ratio	Lower	Upper
278	100		
139	13.4	8.5	12.7#
279	40.3	27.5	41.3





#41
Benzo(g,h,i)perylene
Concen: 0.374 ng
RT: 26.204 min Scan# 3
Delta R.T. 0.015 min
Lab File: BN037430.D
Acq: 02 Jul 2025 17:27

Instrument :
BNA_N
ClientSampleId :
PB168695BSD

Tgt Ion:276 Resp: 7365

Ion	Ratio	Lower	Upper
276	100		
277	26.5	21.0	31.4
138	14.1	9.6	14.4