Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037630.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : PB169286BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Quant Time: Aug 21 04:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2389	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	5616	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2629	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5040	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4175	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3780	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1761	0.325	ng	0.00
5) Phenol-d6	6.879	99	1961	0.301	ng	0.00
8) Nitrobenzene-d5	8.854	82	1380	0.349	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	2508	0.329	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	342	0.297	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	5503	0.362	ng	-0.01
27) Fluoranthene-d10	19.113	212	4038	0.305	ng	0.00
31) Terphenyl-d14	19.717	244	3008	0.350	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	677	0.296	ng	# 78
3) n-Nitrosodimethylamine	3.535	42	966	0.331	ng	95
6) bis(2-Chloroethyl)ether	7.139	93	2041	0.347	ng	96
9) Naphthalene	10.541	128	5264	0.352	ng	99
10) Hexachlorobutadiene	10.840	225	1357	0.371	ng	# 99
12) 2-Methylnaphthalene	12.156	142	2891	0.308	ng	100
16) Acenaphthylene	14.056	152	4394	0.373	ng	100
17) Acenaphthene	14.409	154	2664	0.332	ng	99
18) Fluorene	15.392	166	3473	0.331	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	153	0.348	ng	# 79
21) 4-Bromophenyl-phenylether	16.280	248	1063	0.336	ng	# 82
22) Hexachlorobenzene	16.404	284	1644	0.366	ng	98
23) Atrazine	16.553	200	688	0.384	ng	95
24) Pentachlorophenol	16.739	266	719	0.456	ng	96
25) Phenanthrene	17.124	178	5179	0.338	ng	99
26) Anthracene	17.210	178	4635	0.342	ng	100
28) Fluoranthene	19.146	202	5464	0.310	ng	100
30) Pyrene	19.508	202	5332	0.342	ng	100
32) Benzo(a)anthracene	21.250	228	4944	0.355	ng	98
33) Chrysene	21.304	228	5598	0.360	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	1867	0.324	ng	100
36) Indeno(1,2,3-cd)pyrene	25.756	276	5812	0.365	ng	99
37) Benzo(b)fluoranthene	22.829	252	5325	0.372	ng	97
38) Benzo(k)fluoranthene	22.873	252	5420	0.335	ng	97
39) Benzo(a)pyrene	23.402	252	4490	0.378	ng	95
40) Dibenzo(a,h)anthracene	25.776	278	4445	0.360	ng	100
41) Benzo(g,h,i)perylene	26.440	276	5149	0.395	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037630.D
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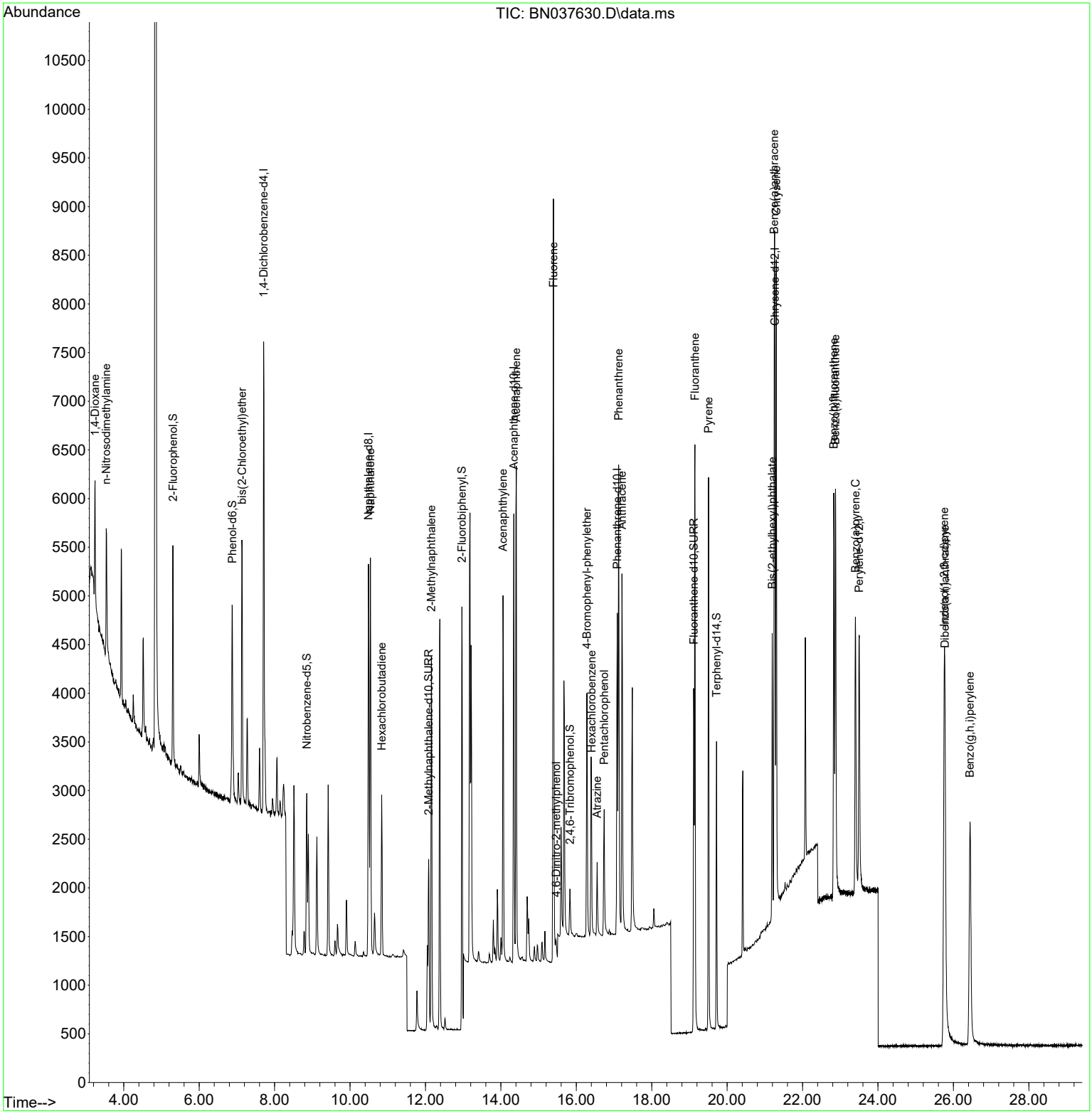
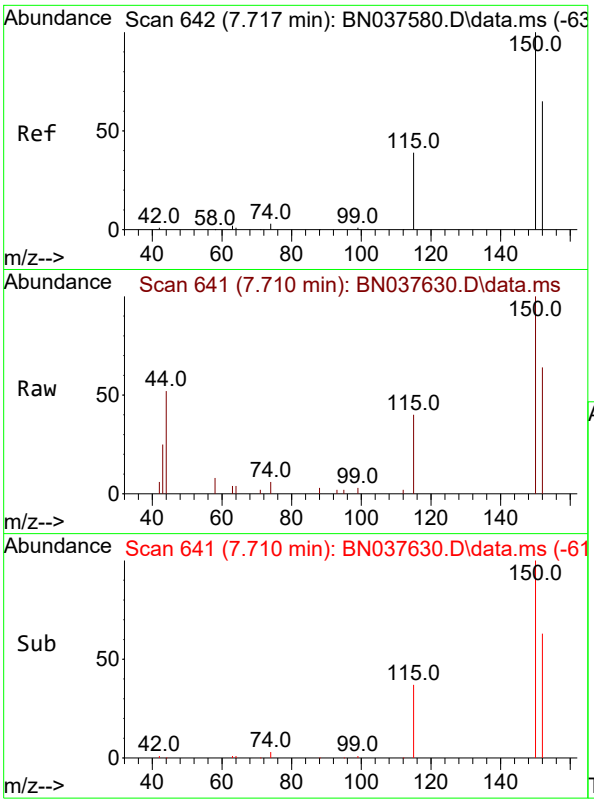
Instrument :
BNA_N
ClientSampleId :
PB169286BS

Quant Time: Aug 21 04:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



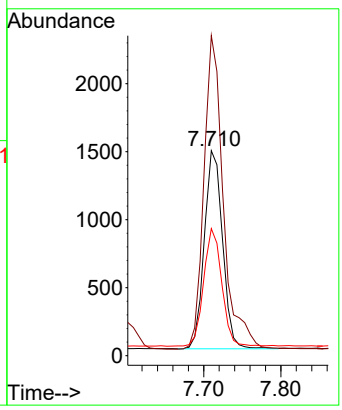


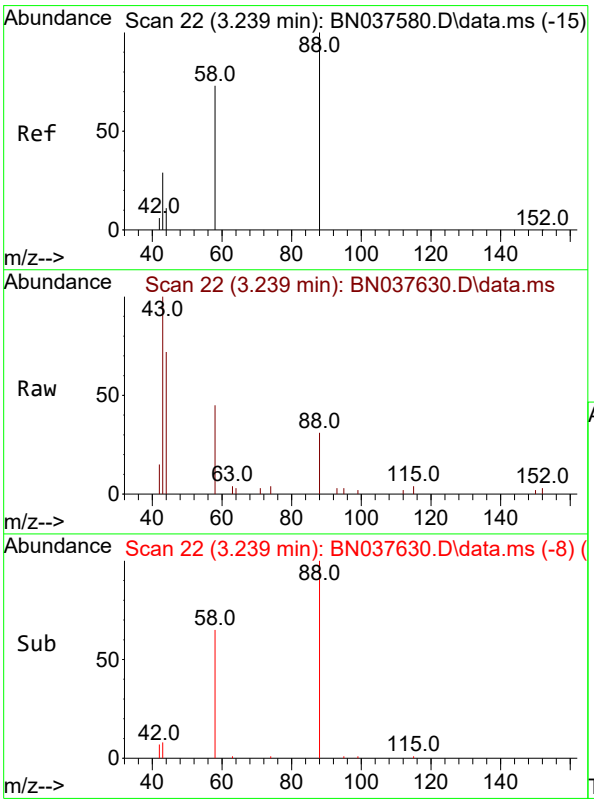
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:152 Resp: 2389

Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.2	183.4
115	62.0	49.8	74.6

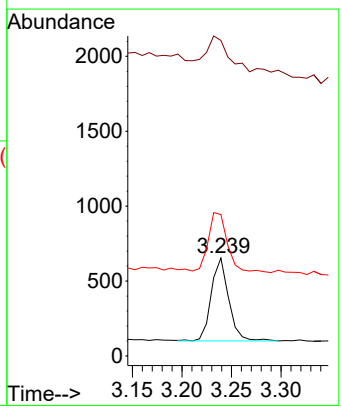


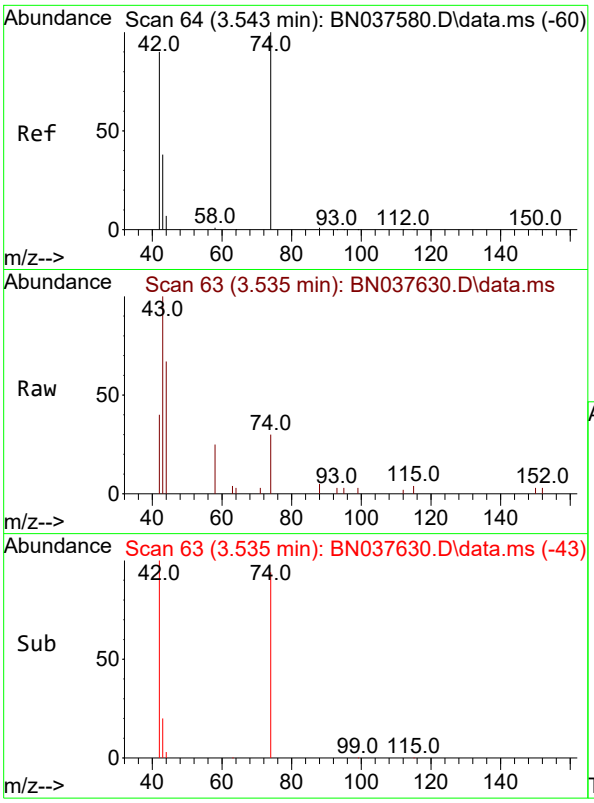


#2
1,4-Dioxane
Concen: 0.296 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 88 Resp: 677

Ion	Ratio	Lower	Upper
88	100		
43	67.7	25.8	38.6#
58	80.4	61.2	91.8



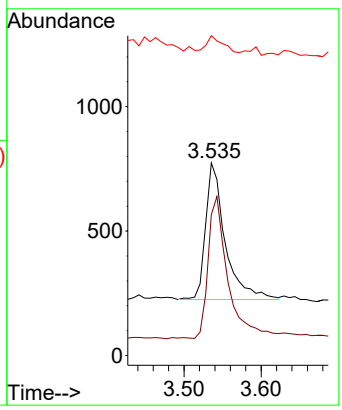


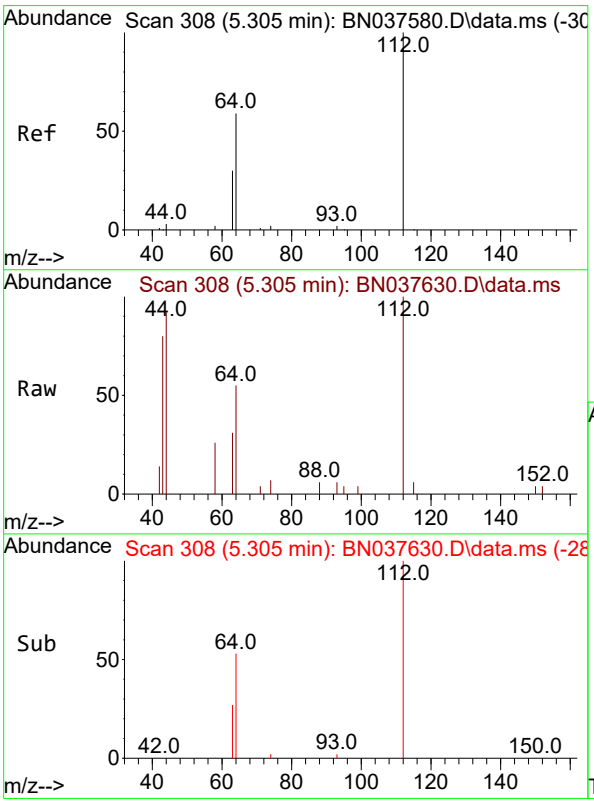
#3
n-Nitrosodimethylamine
Concen: 0.331 ng
RT: 3.535 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion: 42 Resp: 966

Ion	Ratio	Lower	Upper
42	100		
74	107.3	82.0	123.0
44	10.8	7.9	11.9

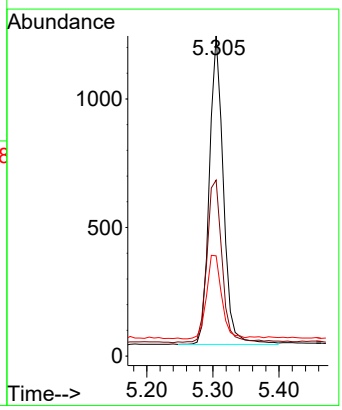


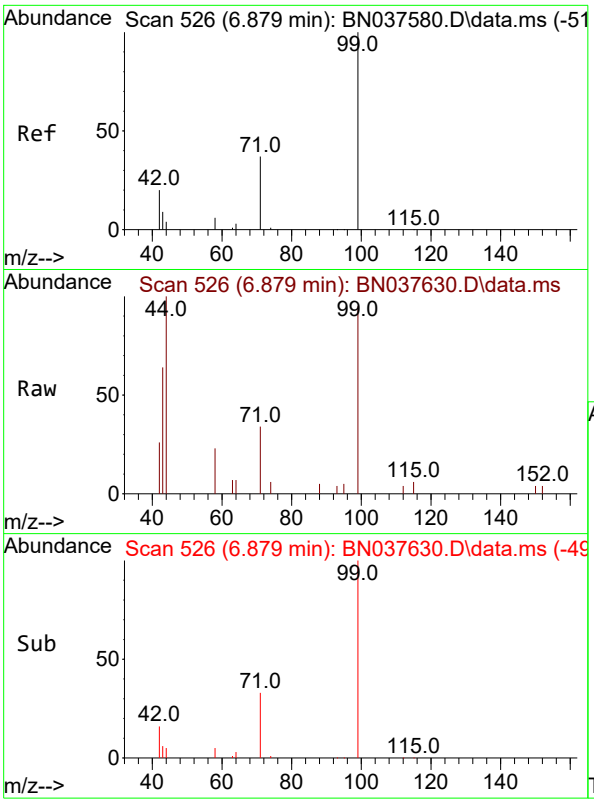


#4
2-Fluorophenol
Concen: 0.325 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:112 Resp: 1761

Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.9	67.3
63	29.2	23.4	35.2



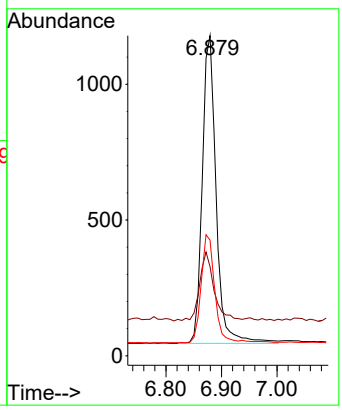


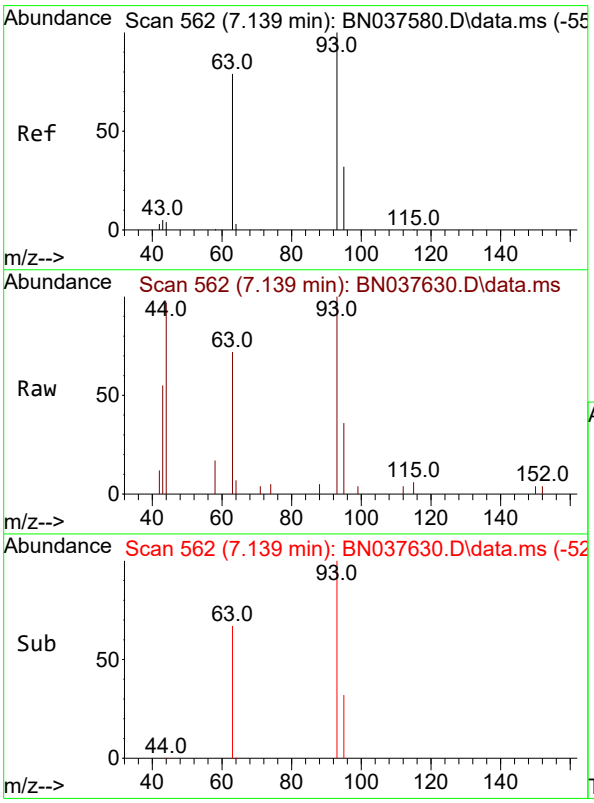
#5
Phenol-d6
Concen: 0.301 ng
RT: 6.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion: 99 Resp: 1961

Ion	Ratio	Lower	Upper
99	100		
42	23.7	18.5	27.7
71	34.9	28.6	42.8

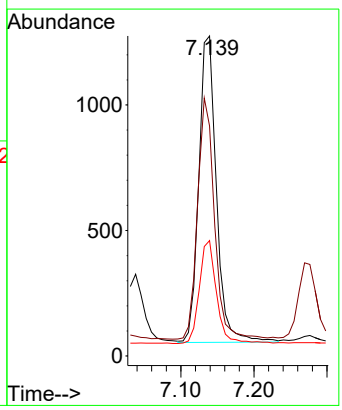


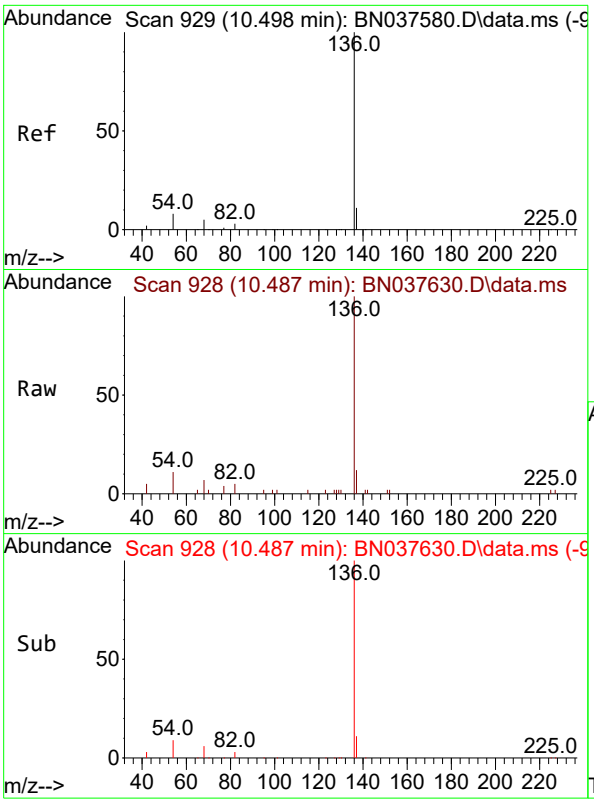


#6
bis(2-Chloroethyl)ether
Concen: 0.347 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 93 Resp: 2041

Ion	Ratio	Lower	Upper
93	100		
63	75.7	58.0	87.0
95	32.9	24.9	37.3



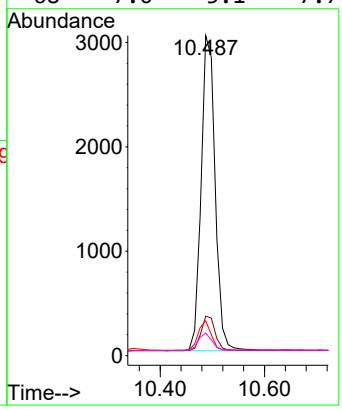


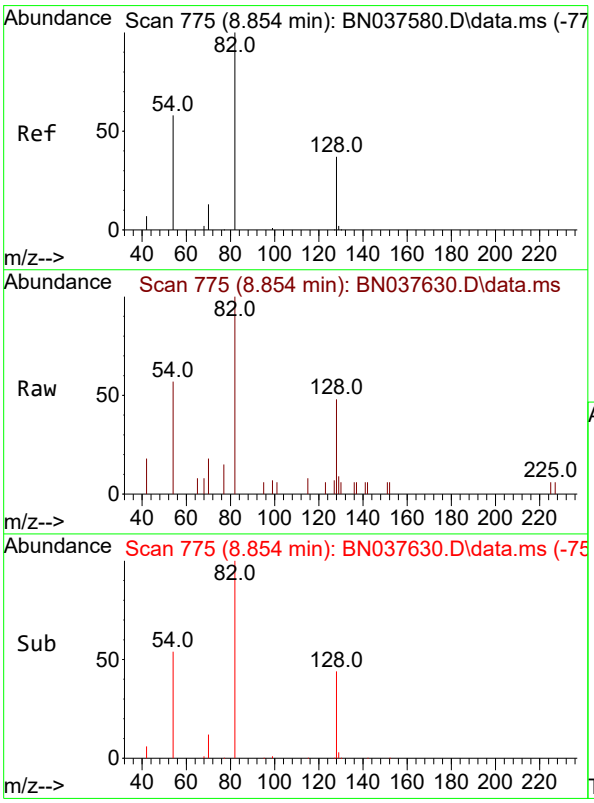
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:136 Resp: 5616

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	10.9	7.3	10.9
68	7.0	5.1	7.7

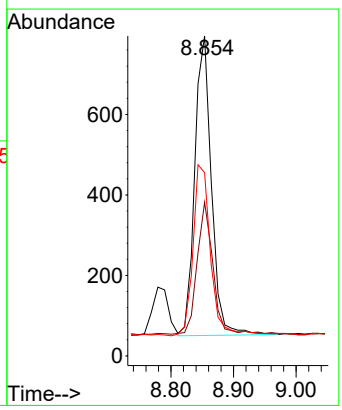


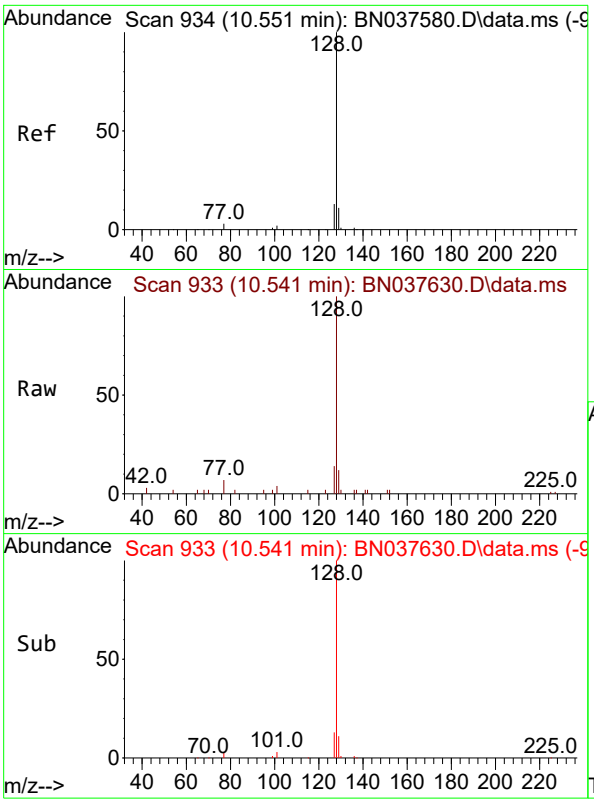


#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 82 Resp: 1380

Ion	Ratio	Lower	Upper
82	100		
128	48.1	32.6	48.8
54	57.2	48.9	73.3



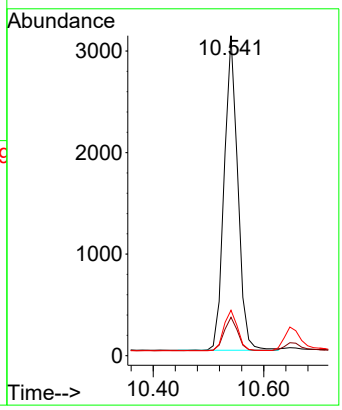


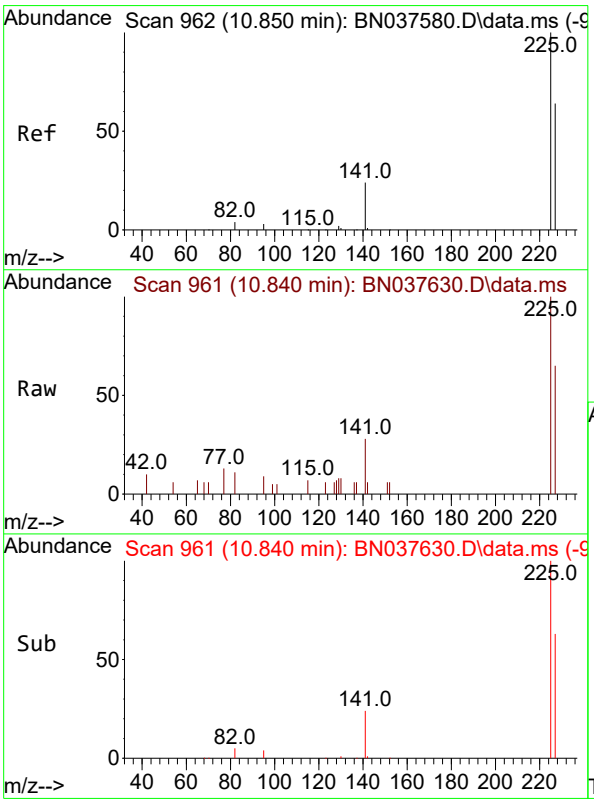
#9
Naphthalene
Concen: 0.352 ng
RT: 10.541 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:128 Resp: 5264

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.8	14.6
127	14.2	11.5	17.3

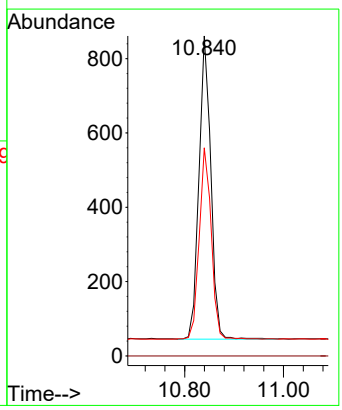


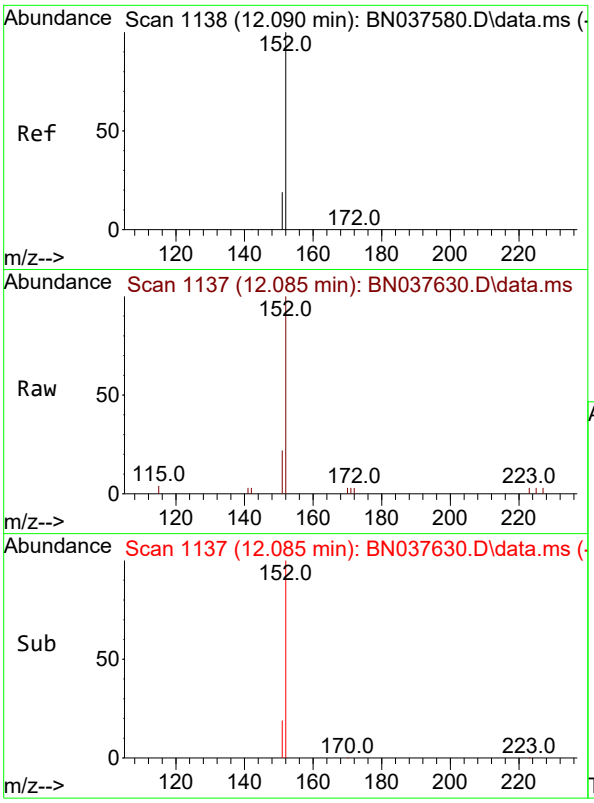


#10
Hexachlorobutadiene
Concen: 0.371 ng
RT: 10.840 min Scan# 961
Delta R.T. -0.011 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:225 Resp: 1357

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.8	76.2



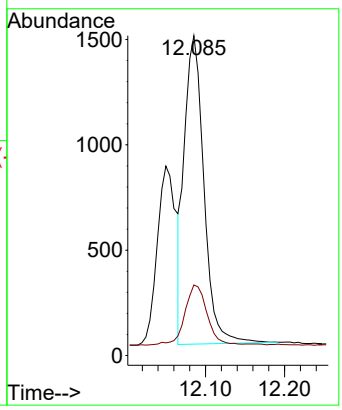


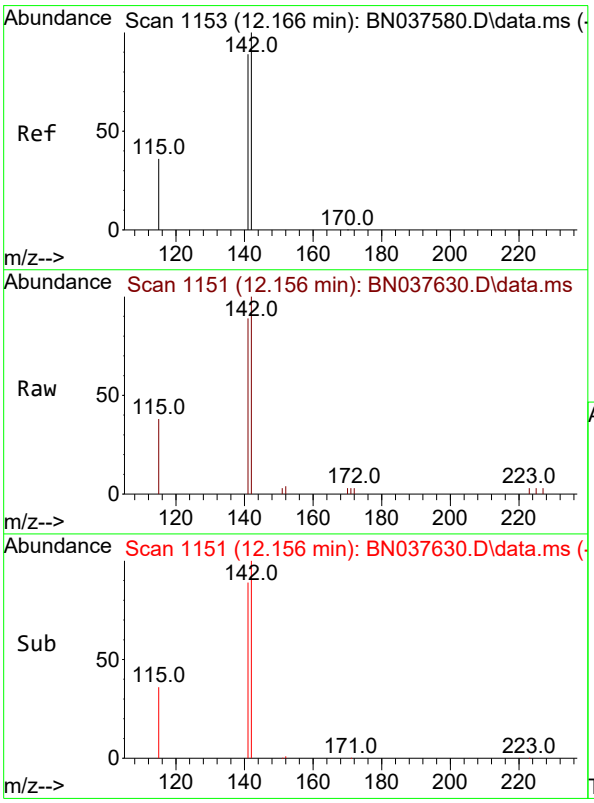
#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.085 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:152 Resp: 2508

Ion	Ratio	Lower	Upper
152	100		
151	22.4	17.3	25.9

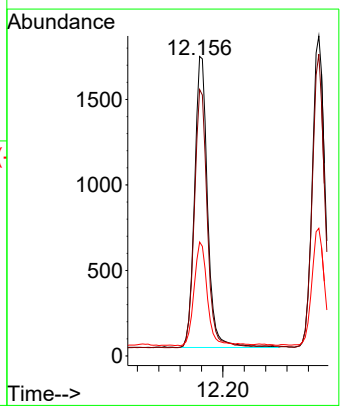


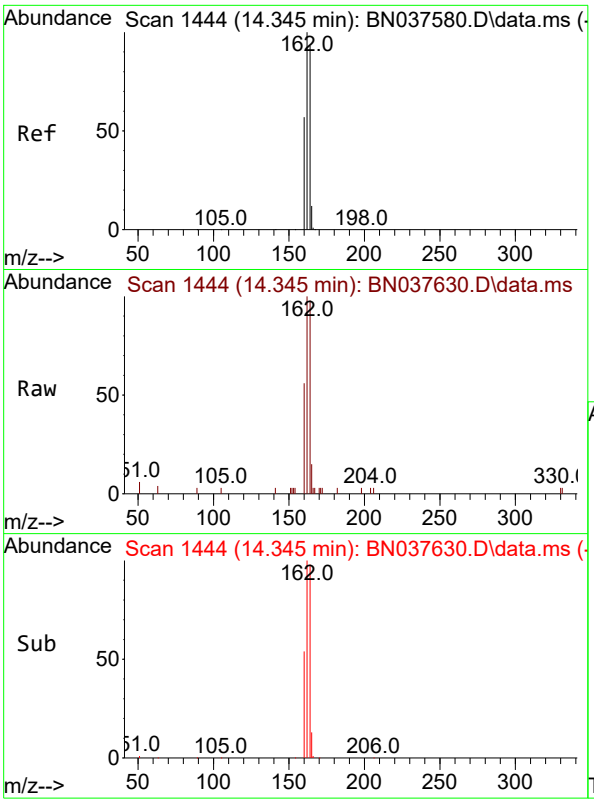


#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.156 min Scan# 1151
Delta R.T. -0.010 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:142 Resp: 2891

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.0
115	38.0	30.2	45.4



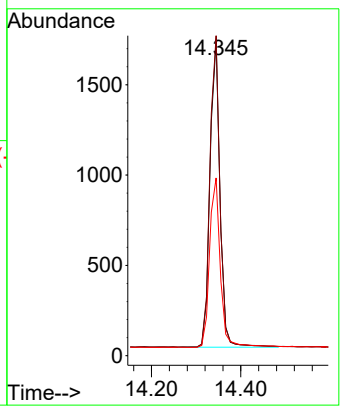


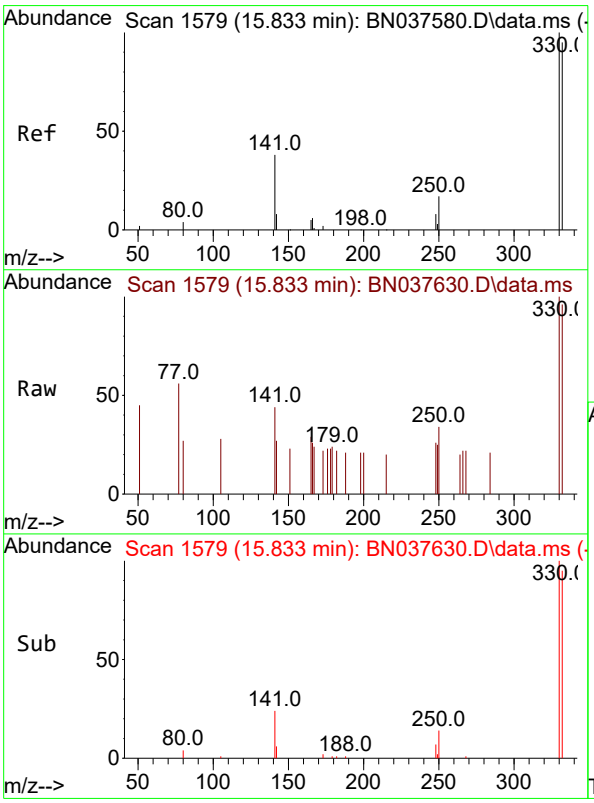
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:164 Resp: 2629

Ion	Ratio	Lower	Upper
164	100		
162	101.7	85.5	128.3
160	56.5	49.5	74.3

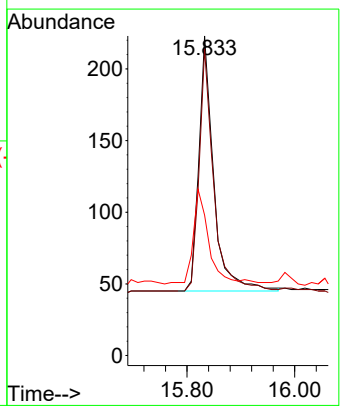


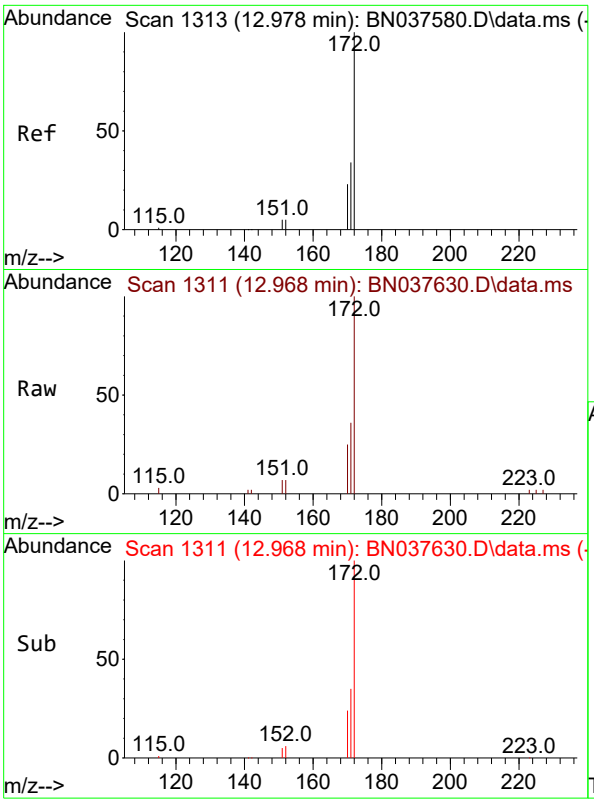


#14
2,4,6-Tribromophenol
Concen: 0.297 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:330 Resp: 342

Ion	Ratio	Lower	Upper
330	100		
332	93.3	77.4	116.0
141	39.5	30.9	46.3



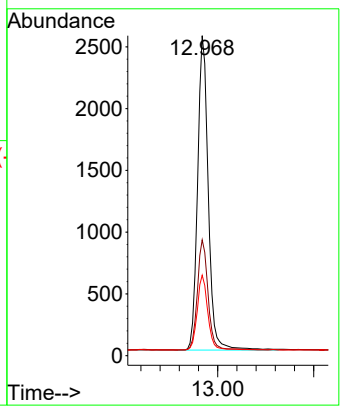


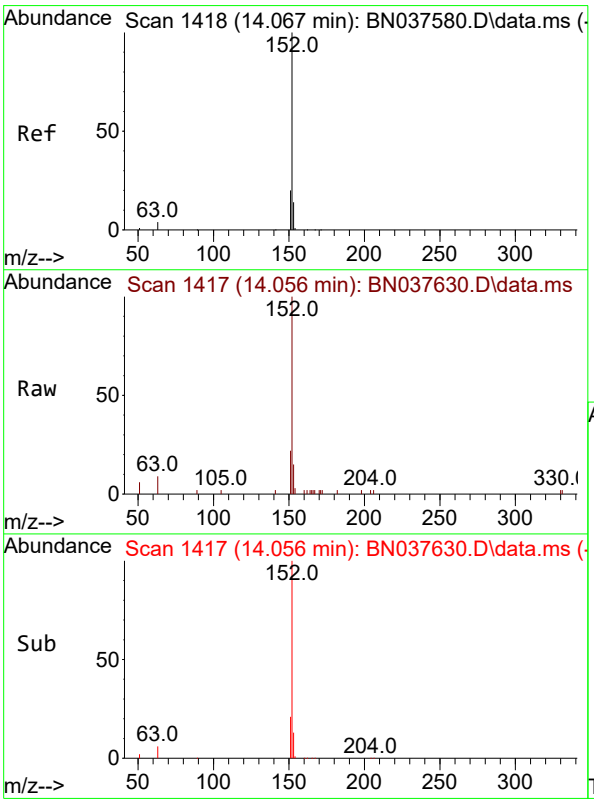
#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 12.968 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:172 Resp: 5503

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	25.1	19.2	28.8

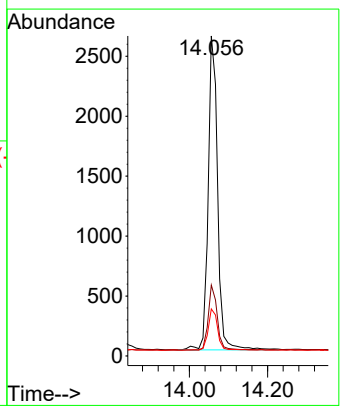


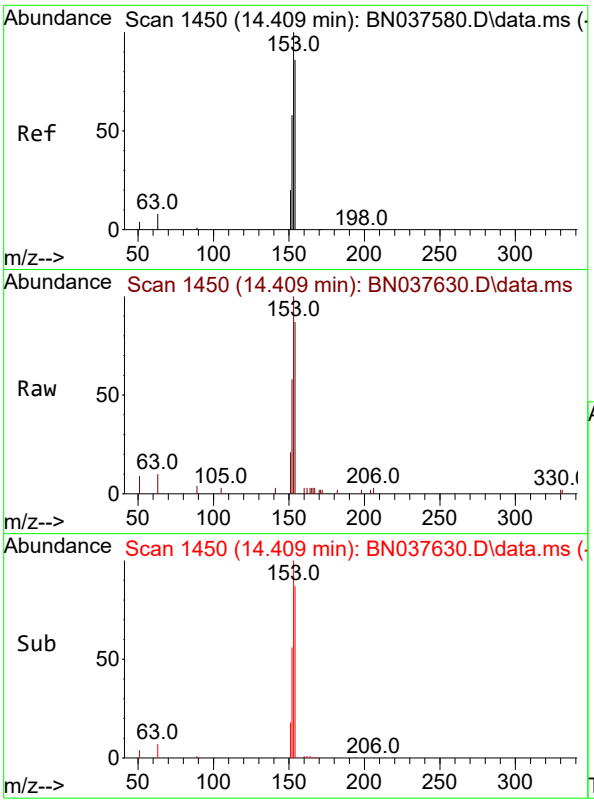


#16
Acenaphthylene
Concen: 0.373 ng
RT: 14.056 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:152 Resp: 4394

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.3	10.7	16.1



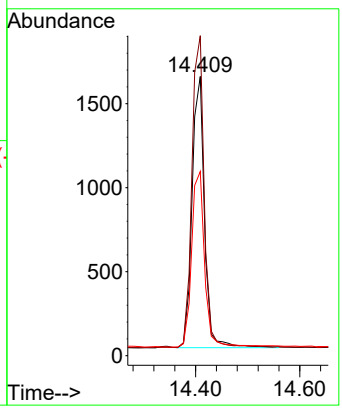


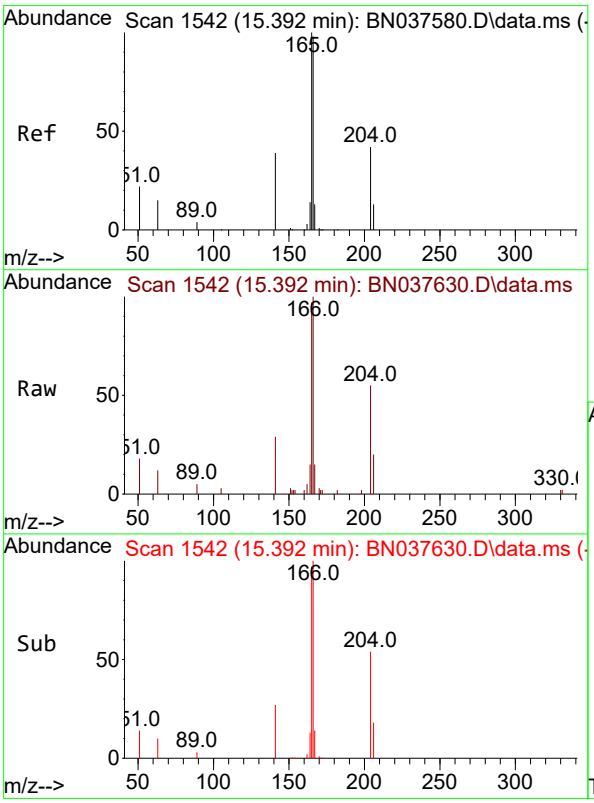
#17
Acenaphthene
Concen: 0.332 ng
RT: 14.409 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:154 Resp: 2664

Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.6	135.8
152	68.6	54.9	82.3

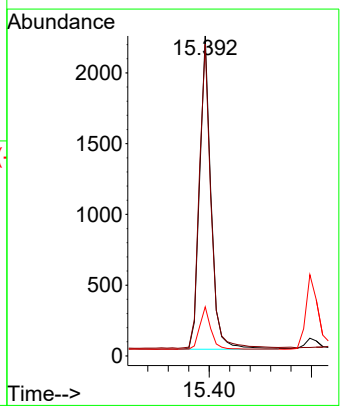


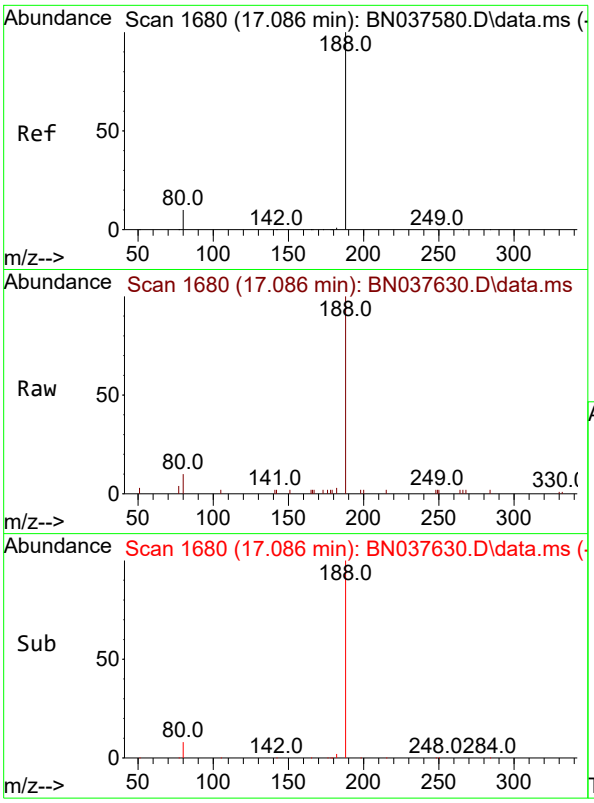


#18
Fluorene
Concen: 0.331 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:166 Resp: 3473

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.9	118.3
167	13.1	10.7	16.1



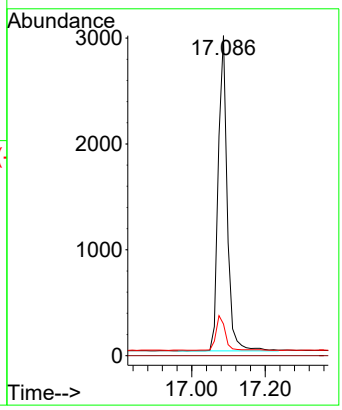


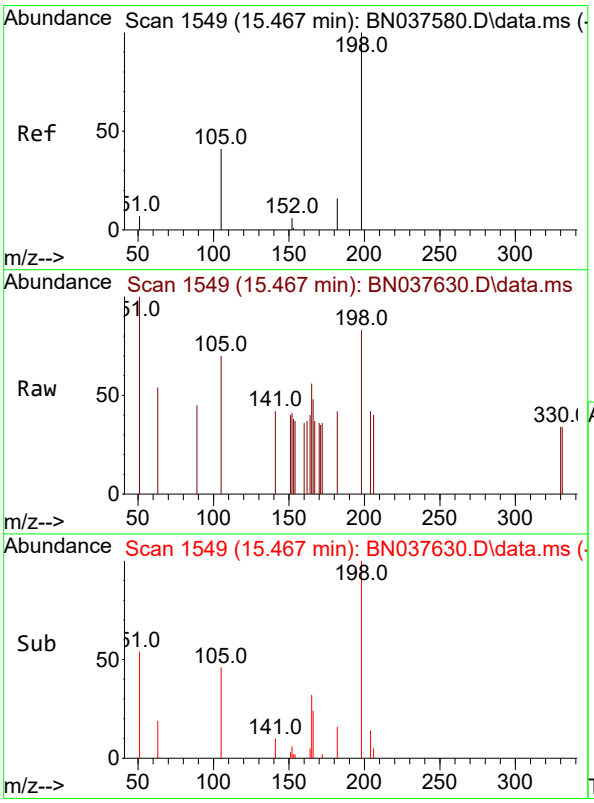
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:188 Resp: 5040

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	9.1	13.7

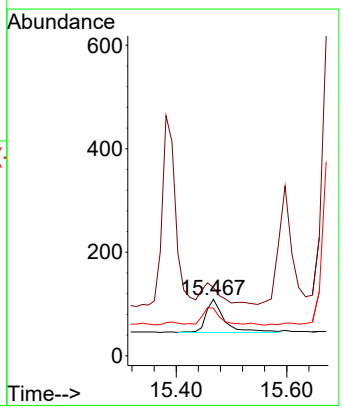


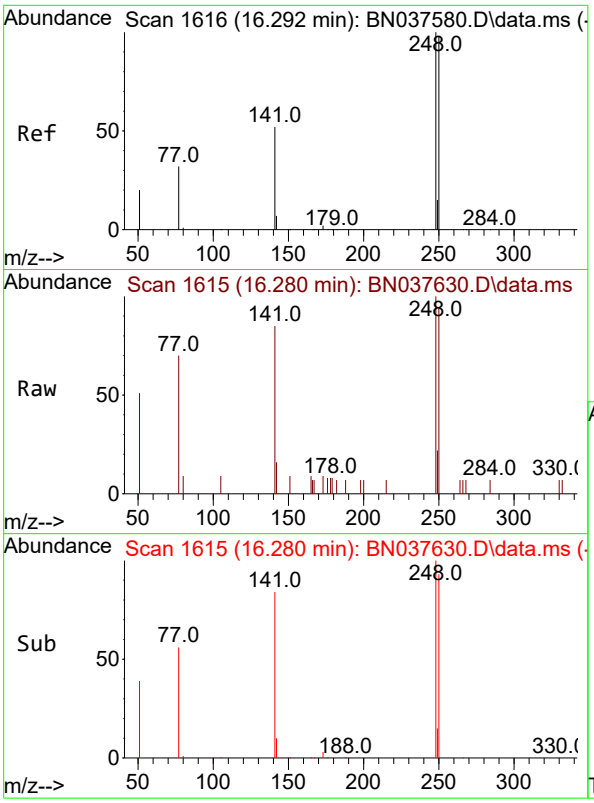


#20
4,6-Dinitro-2-methylphenol
Concen: 0.348 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:198 Resp: 153

Ion	Ratio	Lower	Upper
198	100		
51	121.1	81.0	121.6
105	84.4	52.5	78.7#



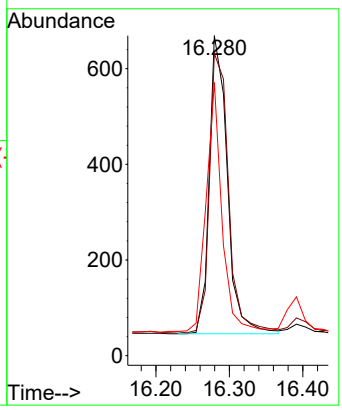


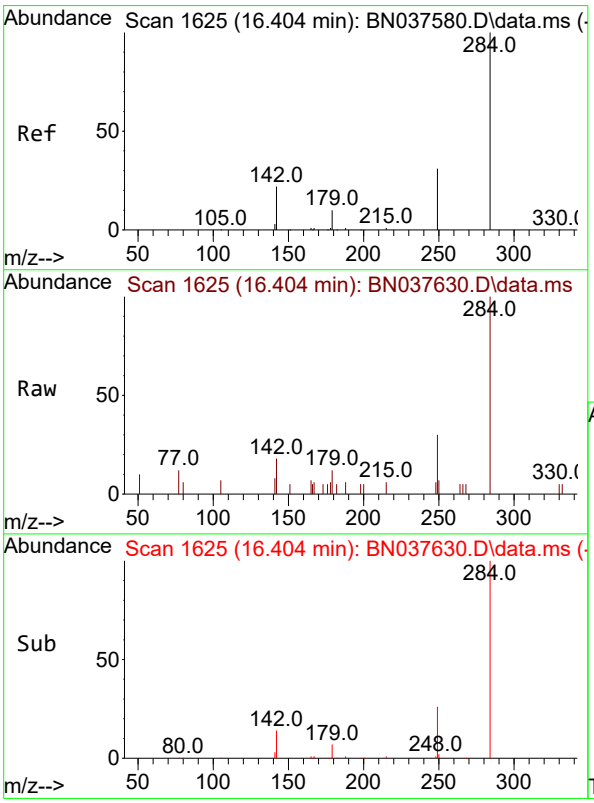
#21
4-Bromophenyl-phenylether
Concen: 0.336 ng
RT: 16.280 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:248 Resp: 1063

Ion	Ratio	Lower	Upper
248	100		
250	94.5	78.6	118.0
141	85.4	43.7	65.5#

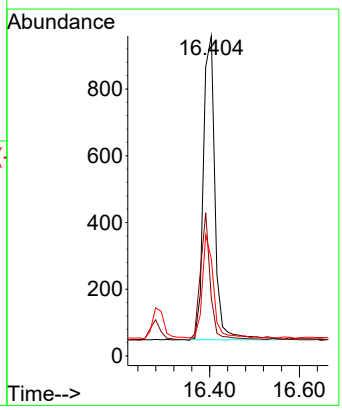


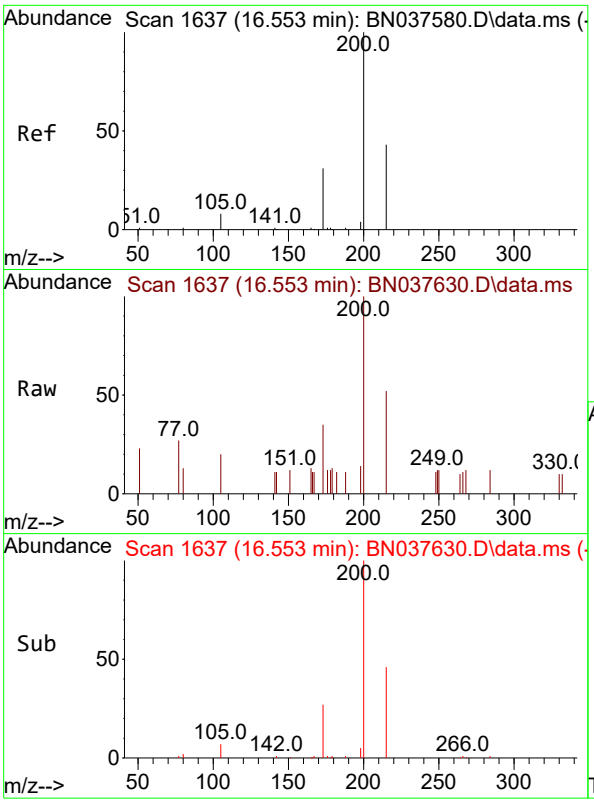


#22
Hexachlorobenzene
Concen: 0.366 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:284 Resp: 1644

Ion	Ratio	Lower	Upper
284	100		
142	35.3	29.8	44.6
249	32.5	26.0	39.0



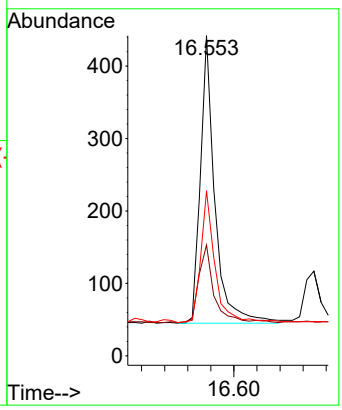


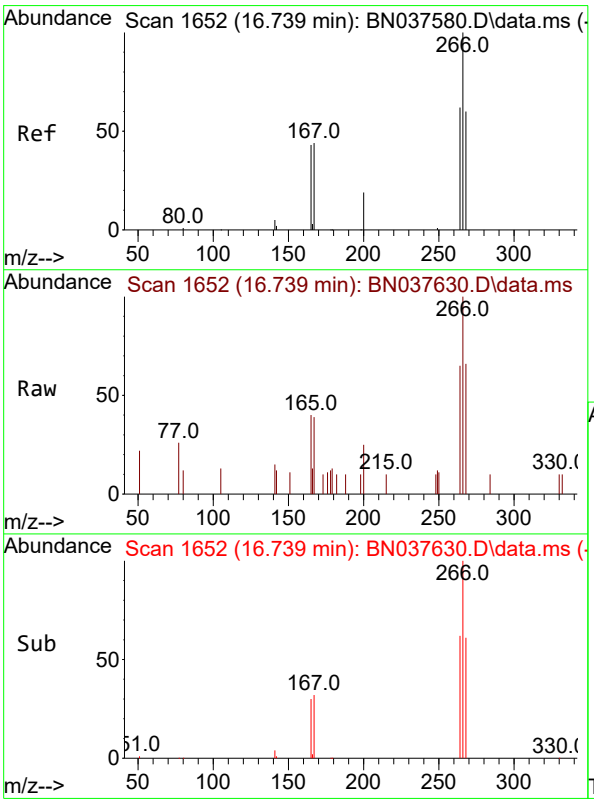
#23
Atrazine
Concen: 0.384 ng
RT: 16.553 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:200 Resp: 688

Ion	Ratio	Lower	Upper
200	100		
173	34.6	31.0	46.4
215	51.6	39.4	59.0

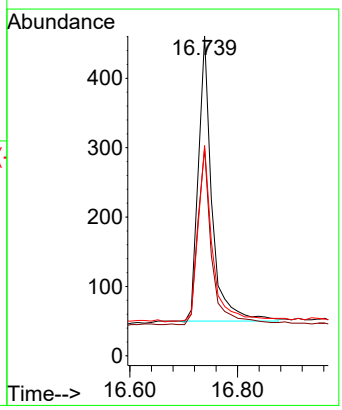


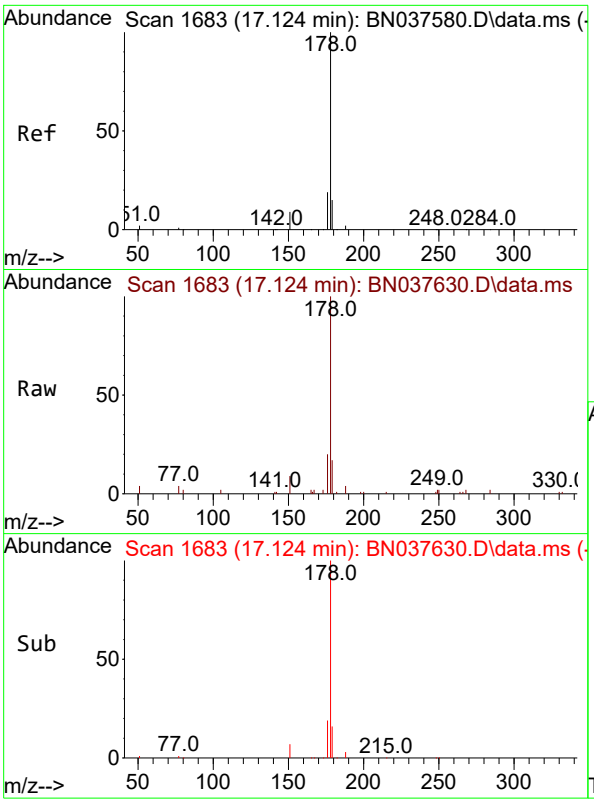


#24
Pentachlorophenol
Concen: 0.456 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:266 Resp: 719

Ion	Ratio	Lower	Upper
266	100		
264	64.5	49.6	74.4
268	65.0	49.2	73.8



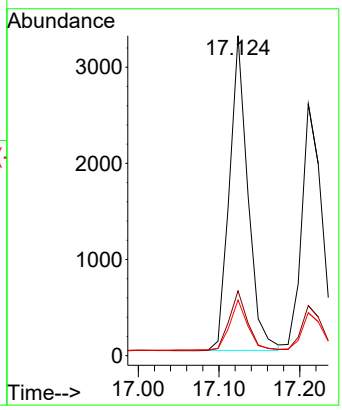


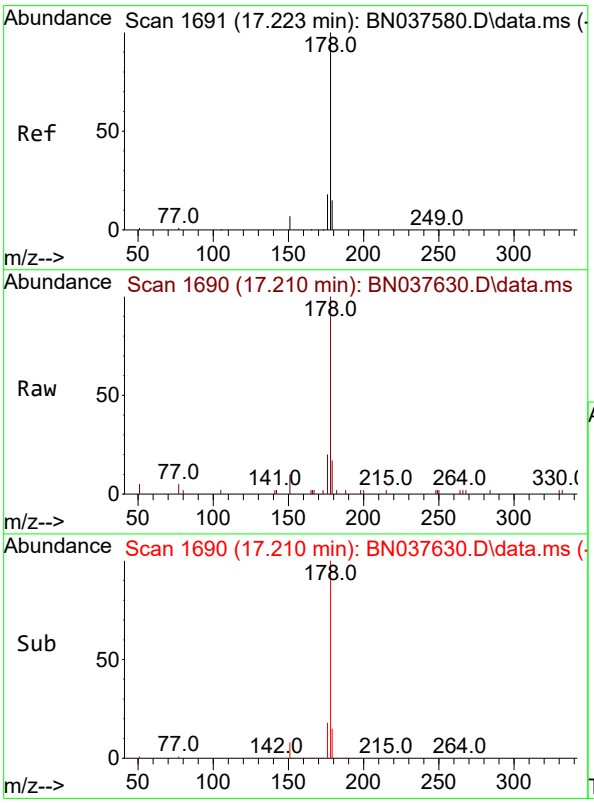
#25
Phenanthrene
Concen: 0.338 ng
RT: 17.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:178 Resp: 5179

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.9	12.3	18.5

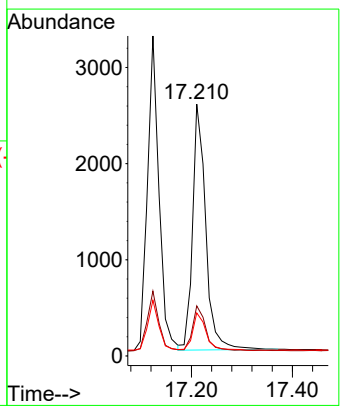


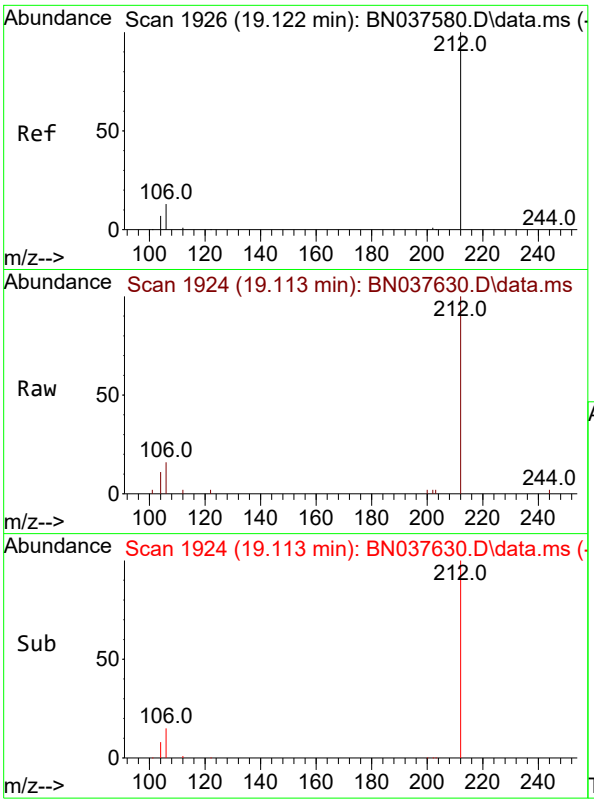


#26
Anthracene
Concen: 0.342 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:178 Resp: 4635

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.3	12.3	18.5



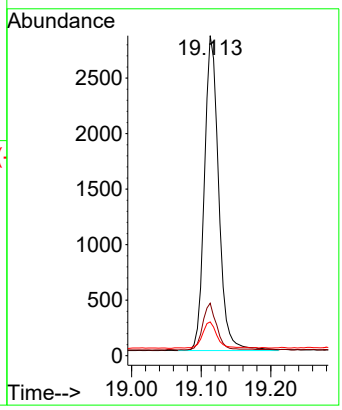


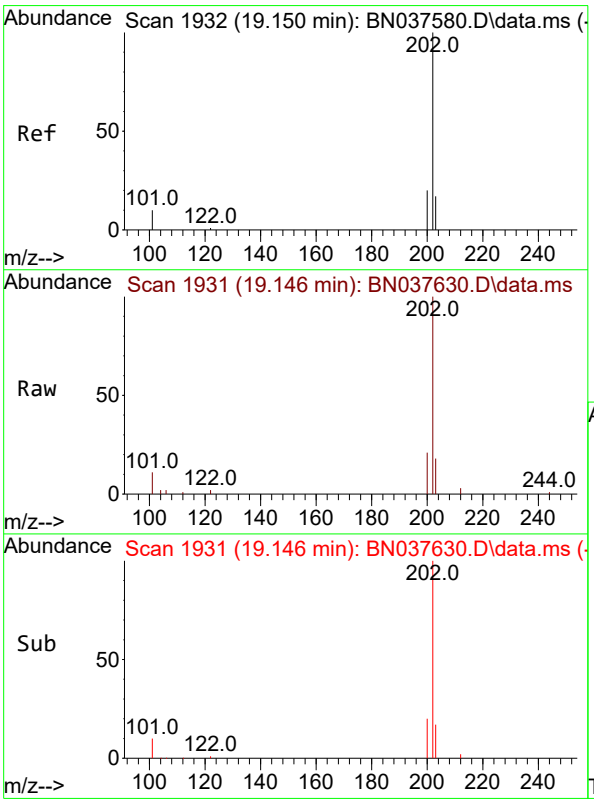
#27
Fluoranthene-d10
Concen: 0.305 ng
RT: 19.113 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:212 Resp: 4038

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.5	17.3
104	8.2	6.6	9.8

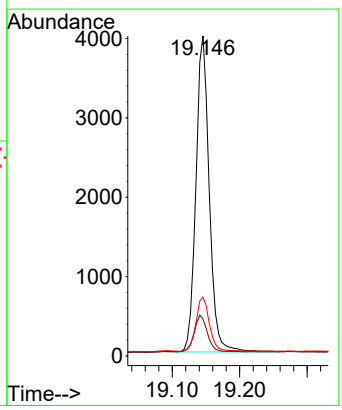


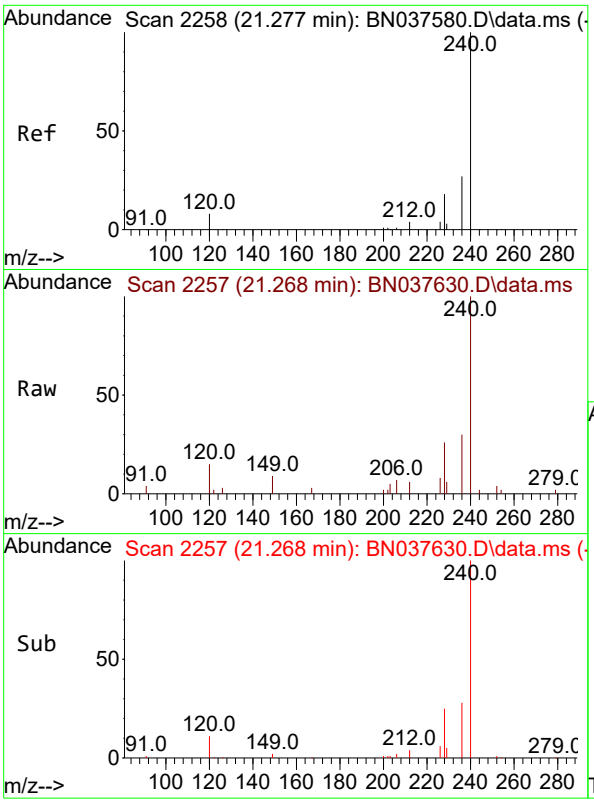


#28
Fluoranthene
Concen: 0.310 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:202 Resp: 5464

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.0	13.6
203	17.2	13.8	20.8



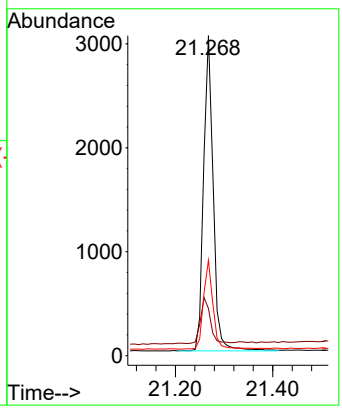


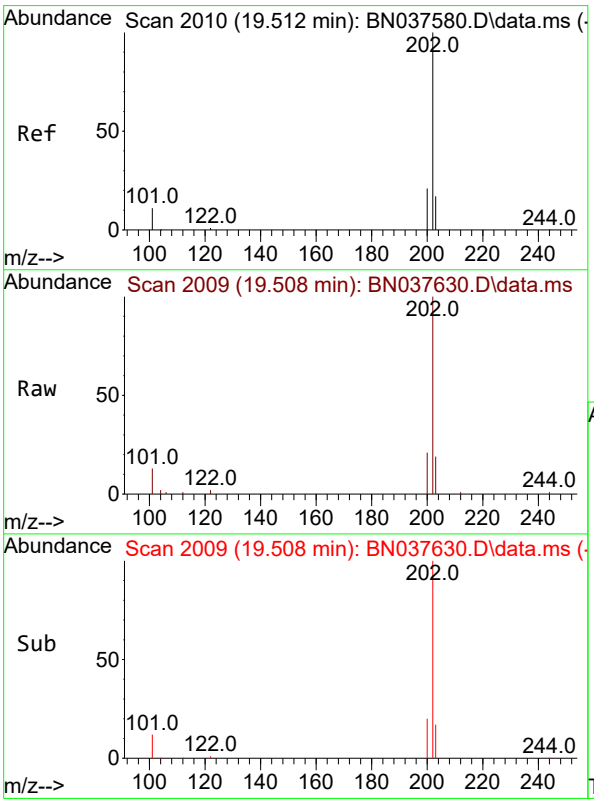
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:240 Resp: 4175

Ion	Ratio	Lower	Upper
240	100		
120	14.7	8.9	13.3#
236	29.8	22.6	33.8

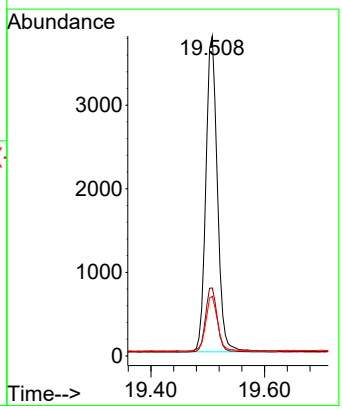


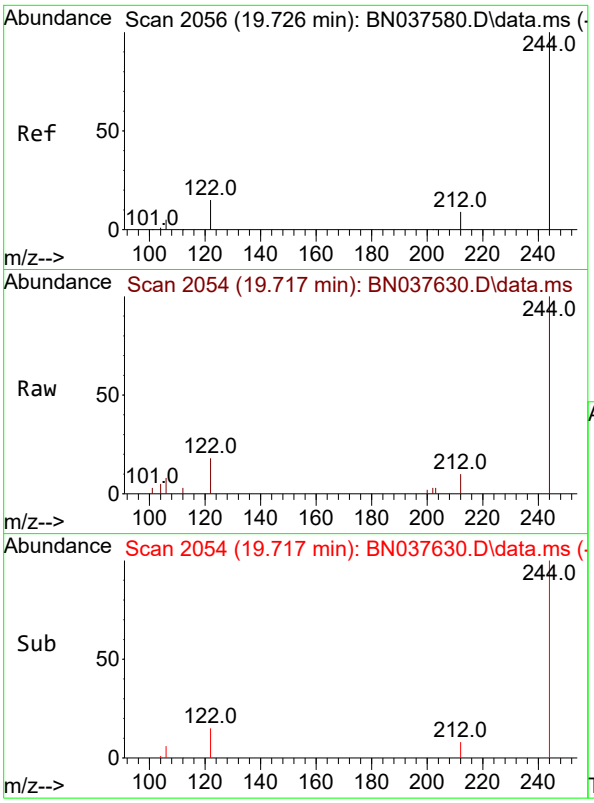


#30
Pyrene
Concen: 0.342 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:202 Resp: 5332

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.9	14.3	21.5



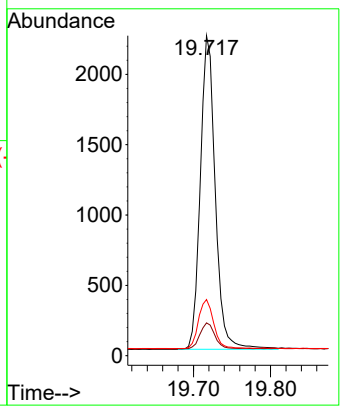


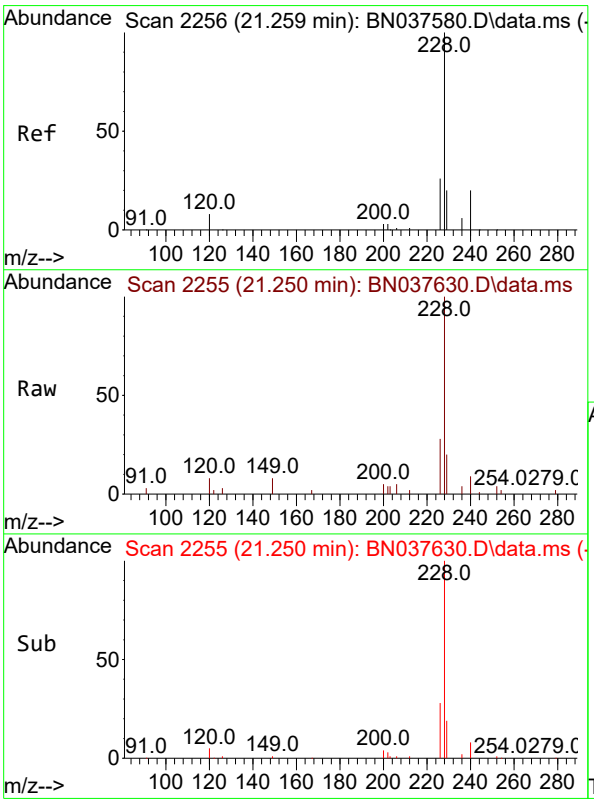
#31
Terphenyl-d14
Concen: 0.350 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:244 Resp: 3008

Ion	Ratio	Lower	Upper
244	100		
212	10.3	8.2	12.2
122	17.5	13.2	19.8

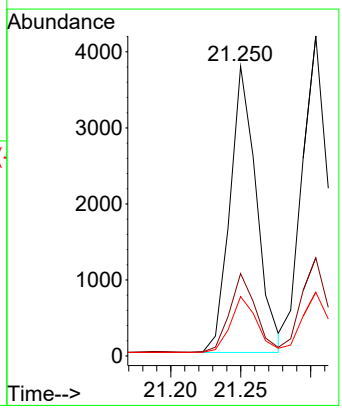


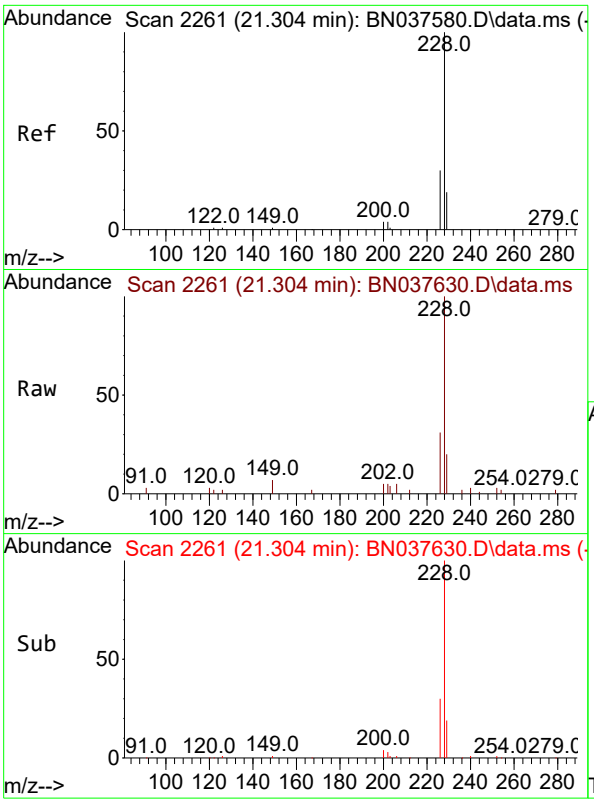


#32
Benzo(a)anthracene
Concen: 0.355 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:228 Resp: 4944

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.5	32.3
229	20.5	16.5	24.7



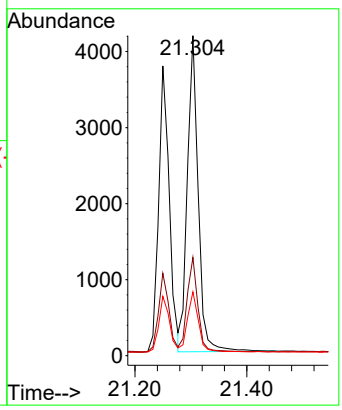


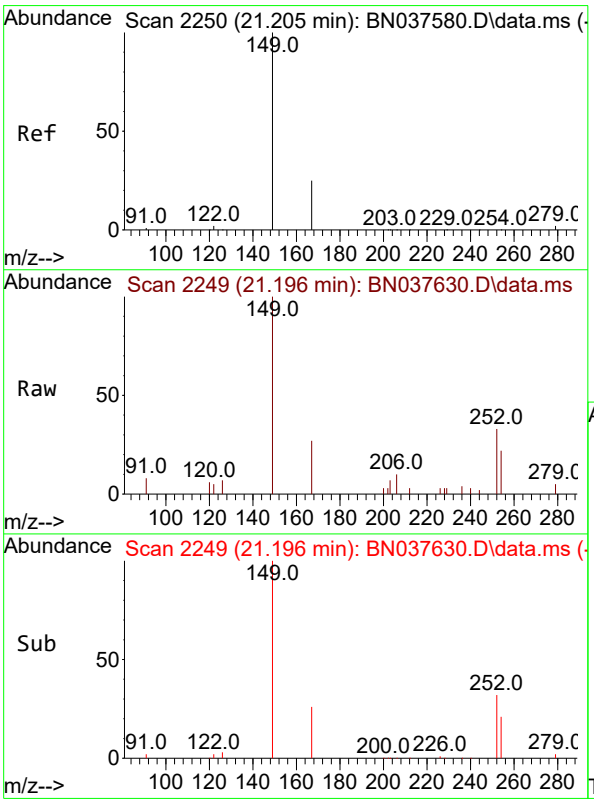
#33
Chrysene
Concen: 0.360 ng
RT: 21.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:228 Resp: 5598

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	20.0	15.8	23.8

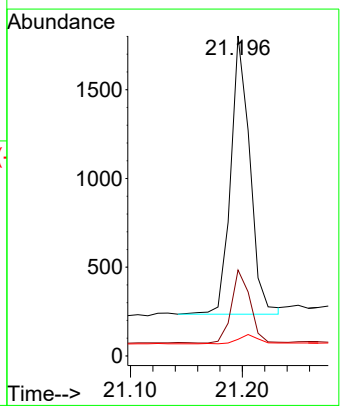


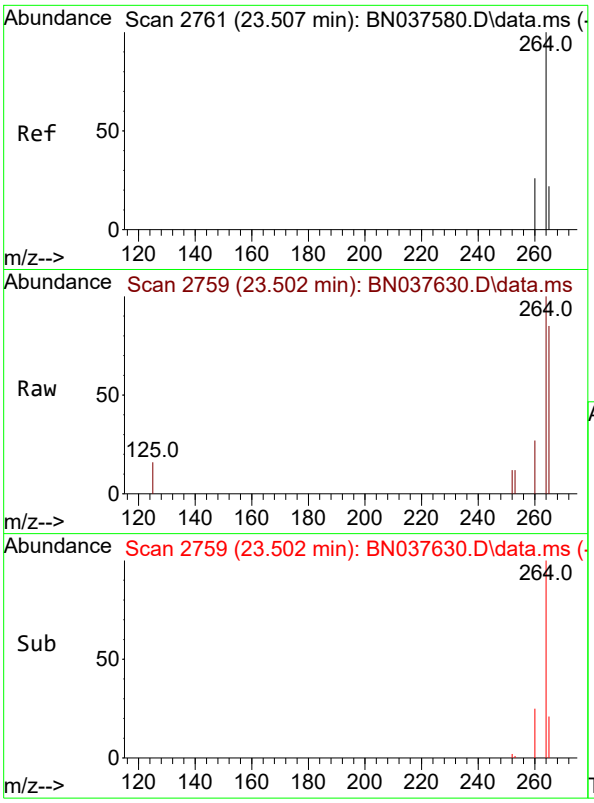


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.324 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:149 Resp: 1867

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.5	30.7
279	3.6	2.6	4.0



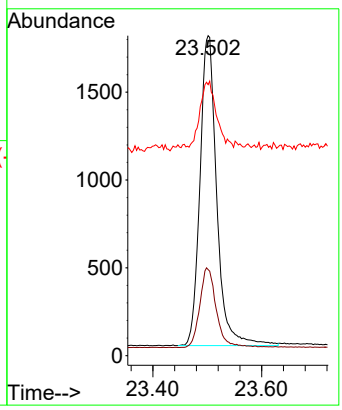


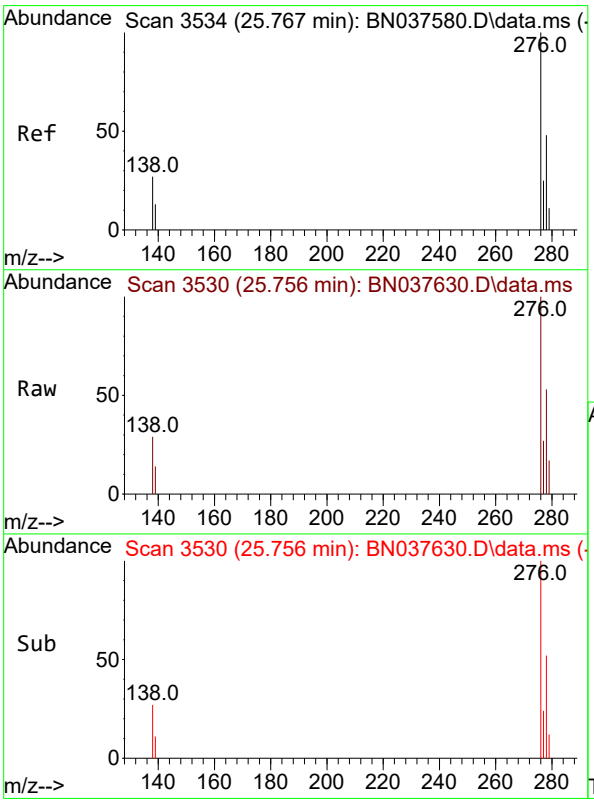
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:264 Resp: 3780

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.6	32.4
265	84.7	48.2	72.4#

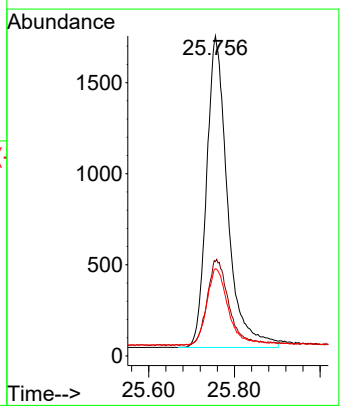


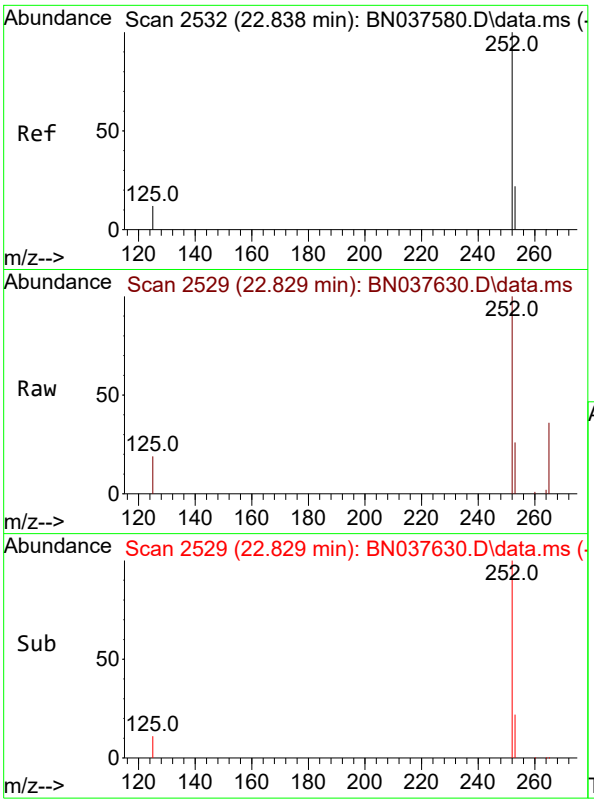


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.365 ng
RT: 25.756 min Scan# 3530
Delta R.T. -0.012 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:276 Resp: 5812

Ion	Ratio	Lower	Upper
276	100		
138	27.9	23.3	34.9
277	24.4	19.5	29.3



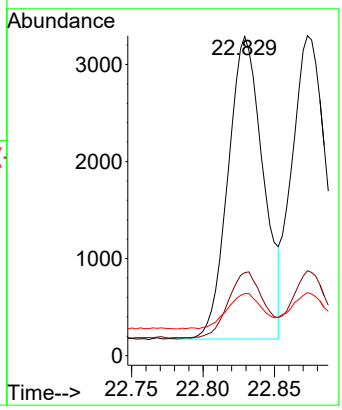


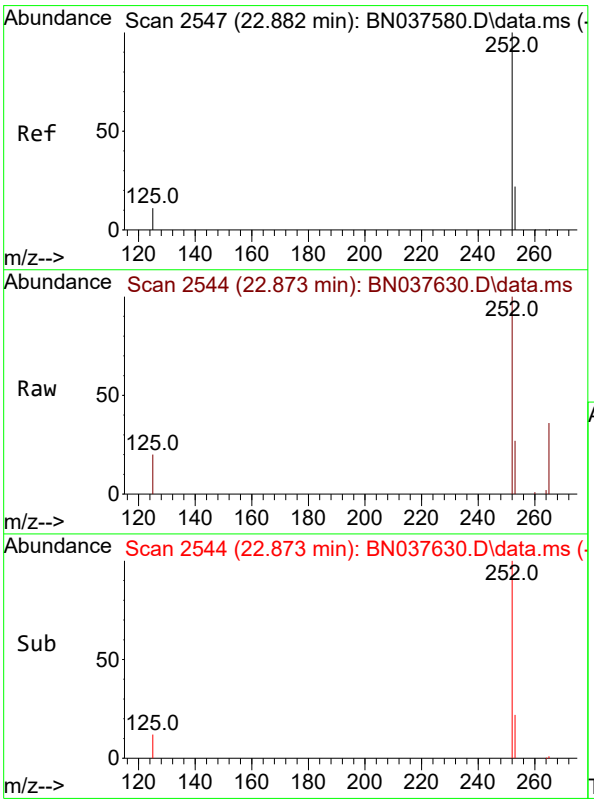
#37
Benzo(b)fluoranthene
Concen: 0.372 ng
RT: 22.829 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:252 Resp: 5325

Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.0	30.0
125	19.4	13.8	20.6

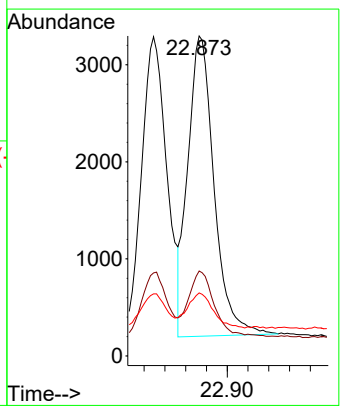


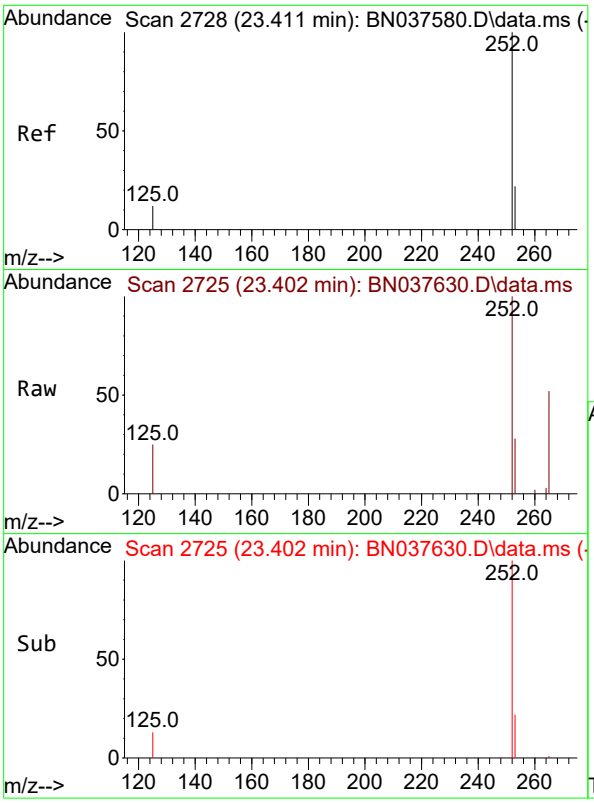


#38
Benzo(k)fluoranthene
Concen: 0.335 ng
RT: 22.873 min Scan# 2544
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:252 Resp: 5420

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.9	29.9
125	19.7	15.0	22.6



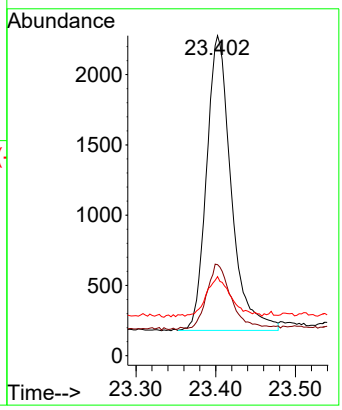


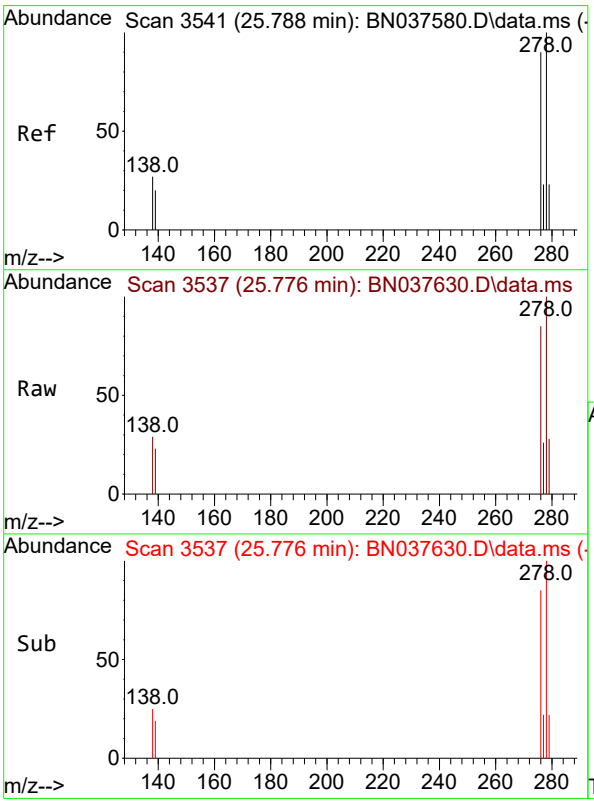
#39
Benzo(a)pyrene
Concen: 0.378 ng
RT: 23.402 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:252 Resp: 4490

Ion	Ratio	Lower	Upper
252	100		
253	28.5	21.6	32.4
125	24.7	16.8	25.2

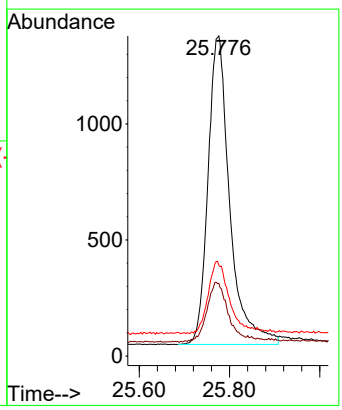


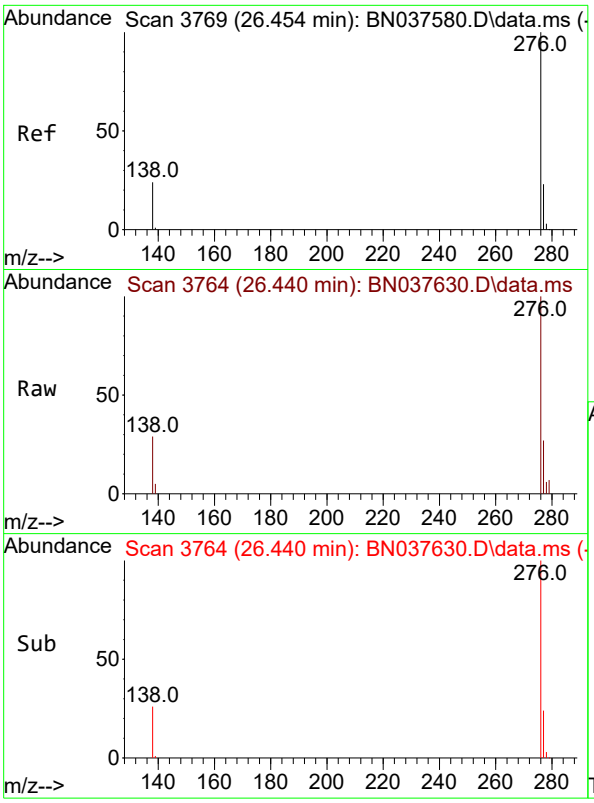


#40
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 25.776 min Scan# 3537
Delta R.T. -0.012 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:278 Resp: 4445

Ion	Ratio	Lower	Upper
278	100		
139	22.7	18.3	27.5
279	28.4	22.5	33.7





#41
Benzo(g,h,i)perylene
Concen: 0.395 ng
RT: 26.440 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Tgt Ion:276 Resp: 5149

Ion	Ratio	Lower	Upper
276	100		
277	26.8	21.0	31.4
138	28.8	21.7	32.5