Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080525\
Data File : BN037566.D
Acq On : 05 Aug 2025 13:47
Operator : RC/JU
Sample : PB169094BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Quant Time: Aug 06 01:39:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 19 01:46:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	1587	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	3862	0.400	ng	#-0.01
13) Acenaphthene-d10	14.345	164	1765	0.400	ng	-0.01
19) Phenanthrene-d10	17.087	188	3214	0.400	ng	#-0.01
29) Chrysene-d12	21.268	240	2404	0.400	ng	# 0.00
35) Perylene-d12	23.508	264	2051	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	1200	0.306	ng	0.00
5) Phenol-d6	6.879	99	1356	0.275	ng	0.00
8) Nitrobenzene-d5	8.854	82	1001	0.347	ng	-0.01
11) 2-Methylnaphthalene-d10	12.091	152	1882	0.340	ng	-0.01
14) 2,4,6-Tribromophenol	15.833	330	195	0.225	ng	-0.01
15) 2-Fluorobiphenyl	12.978	172	3760	0.410	ng	0.00
27) Fluoranthene-d10	19.122	212	2613	0.307	ng	0.00
31) Terphenyl-d14	19.722	244	1857	0.359	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	468	0.307	ng	# 77
3) n-Nitrosodimethylamine	3.543	42	731	0.381	ng	83
6) bis(2-Chloroethyl)ether	7.147	93	1320	0.322	ng	96
9) Naphthalene	10.552	128	3441	0.334	ng	97
10) Hexachlorobutadiene	10.851	225	964	0.423	ng	# 99
12) 2-Methylnaphthalene	12.167	142	1892	0.279	ng	97
16) Acenaphthylene	14.067	152	2987	0.378	ng	99
17) Acenaphthene	14.409	154	1807	0.336	ng	96
18) Fluorene	15.403	166	2272	0.328	ng	97
20) 4,6-Dinitro-2-methylph...	15.467	198	133	0.396	ng	98
21) 4-Bromophenyl-phenylether	16.292	248	678	0.329	ng	# 87
22) Hexachlorobenzene	16.404	284	998	0.375	ng	93
23) Atrazine	16.553	200	435	0.303	ng	# 85
24) Pentachlorophenol	16.739	266	507	0.425	ng	99
25) Phenanthrene	17.124	178	3259	0.338	ng	99
26) Anthracene	17.223	178	2908	0.331	ng	99
28) Fluoranthene	19.150	202	3298	0.297	ng	97
30) Pyrene	19.513	202	3228	0.333	ng	100
32) Benzo(a)anthracene	21.259	228	2903	0.345	ng	98
33) Chrysene	21.304	228	3135	0.358	ng	97
34) Bis(2-ethylhexyl)phtha...	21.205	149	1102	0.291	ng	98
36) Indeno(1,2,3-cd)pyrene	25.762	276	3100	0.363	ng	97
37) Benzo(b)fluoranthene	22.835	252	2895	0.372	ng	94
38) Benzo(k)fluoranthene	22.879	252	2995	0.373	ng	95
39) Benzo(a)pyrene	23.408	252	2515	0.387	ng	92
40) Dibenzo(a,h)anthracene	25.779	278	2418	0.350	ng	93
41) Benzo(g,h,i)perylene	26.452	276	2798	0.391	ng	97

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

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Instrument :
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Quant Time: Aug 06 01:39:34 2025
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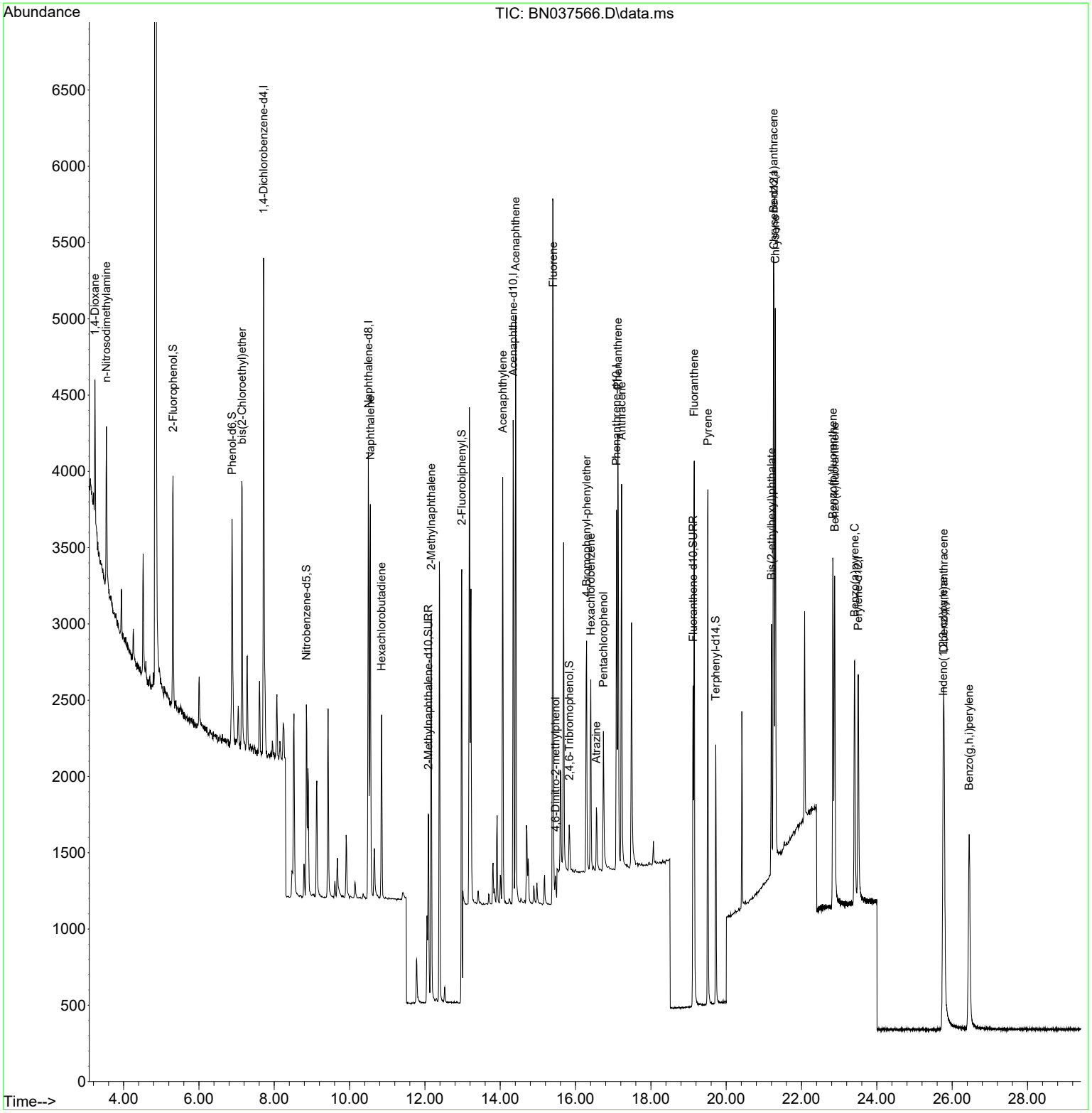
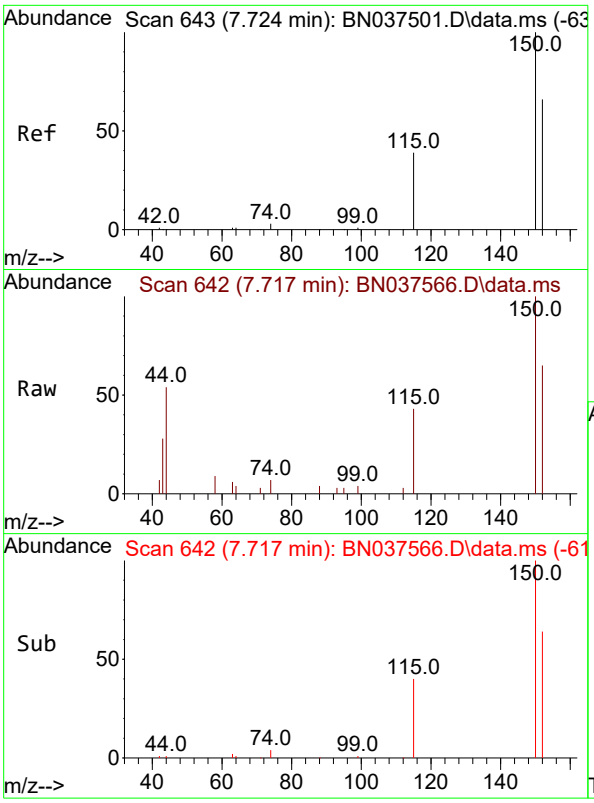


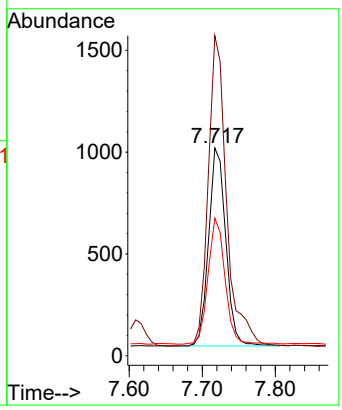


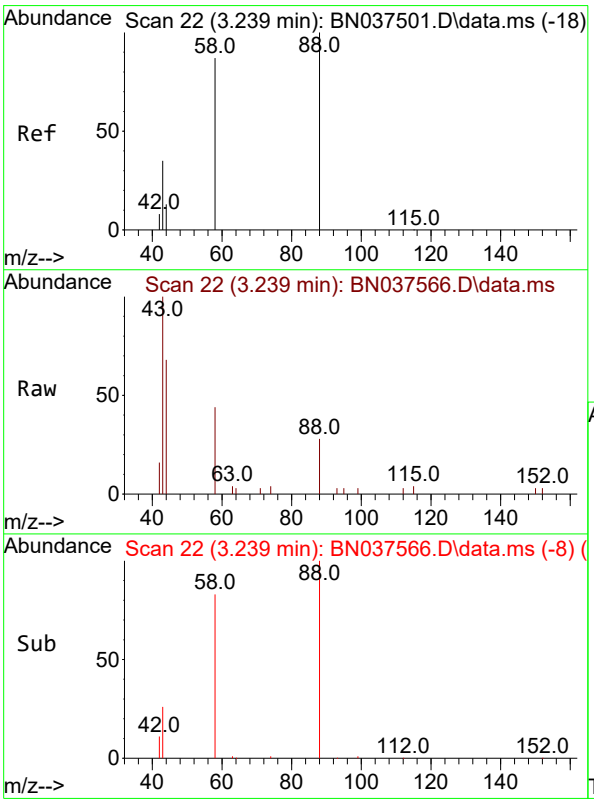
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:152 Resp: 1587

Ion	Ratio	Lower	Upper
152	100		
150	154.1	119.8	179.8
115	66.2	49.1	73.7

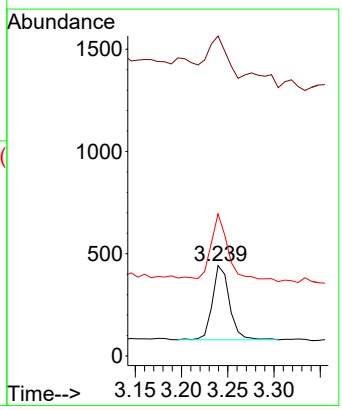


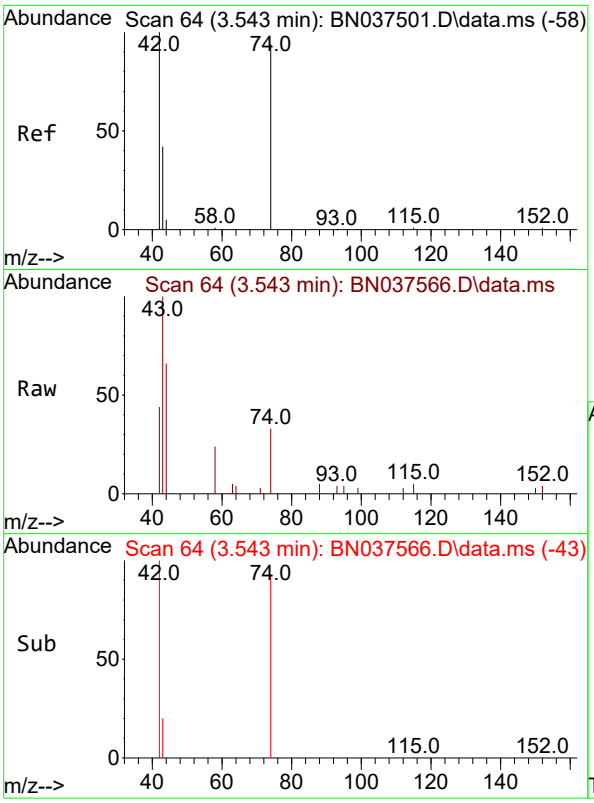


#2
1,4-Dioxane
Concen: 0.307 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion: 88 Resp: 468

Ion	Ratio	Lower	Upper
88	100		
43	51.7	27.5	41.3#
58	95.3	62.7	94.1#



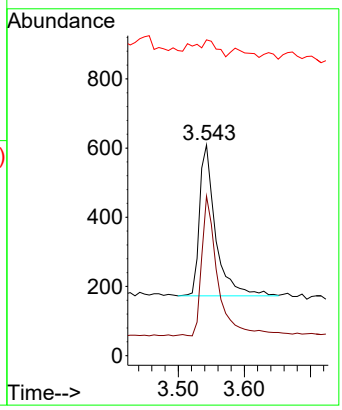


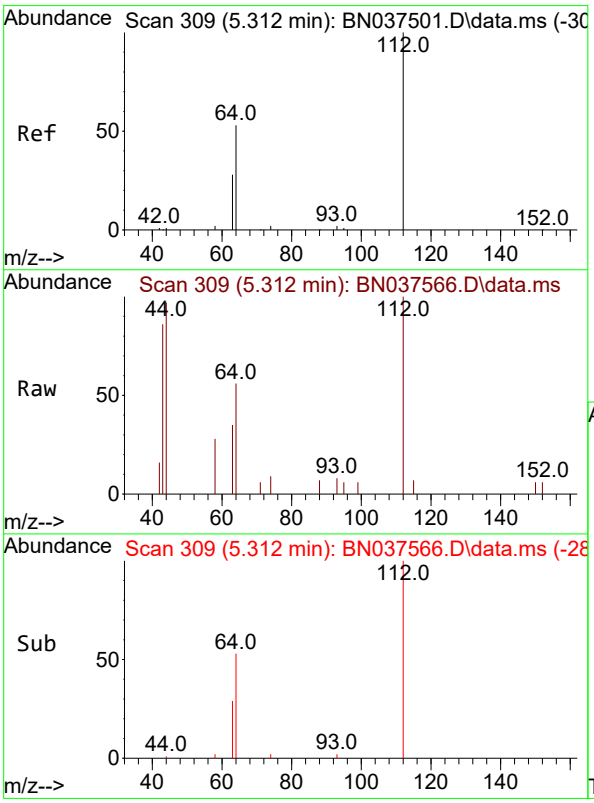
#3
n-Nitrosodimethylamine
Concen: 0.381 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion: 42 Resp: 731

Ion	Ratio	Lower	Upper
42	100		
74	93.8	91.8	137.6
44	15.9	15.0	22.6

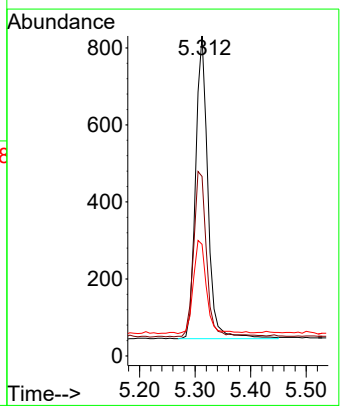


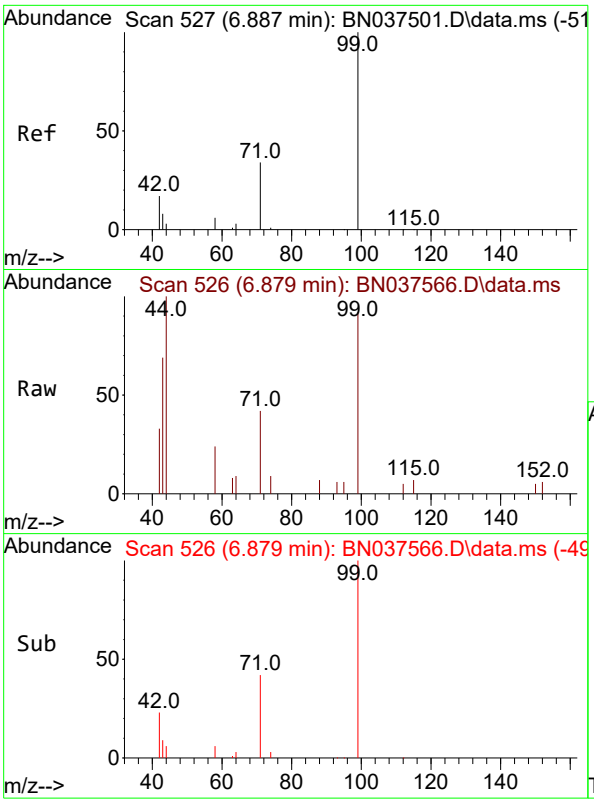


#4
2-Fluorophenol
Concen: 0.306 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:112 Resp: 1200

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.1	67.7
63	33.1	23.8	35.8



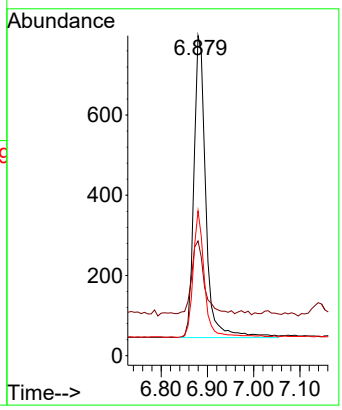


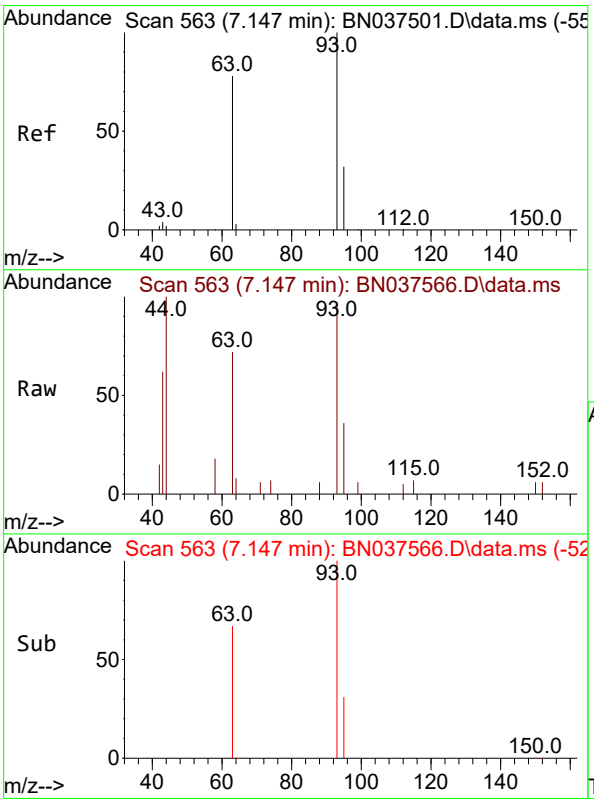
#5
Phenol-d6
Concen: 0.275 ng
RT: 6.879 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion: 99 Resp: 1356

Ion	Ratio	Lower	Upper
99	100		
42	25.2	17.1	25.7
71	39.8	27.8	41.8

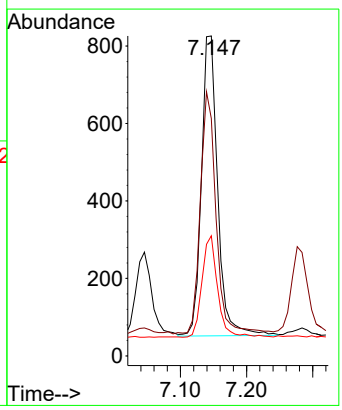


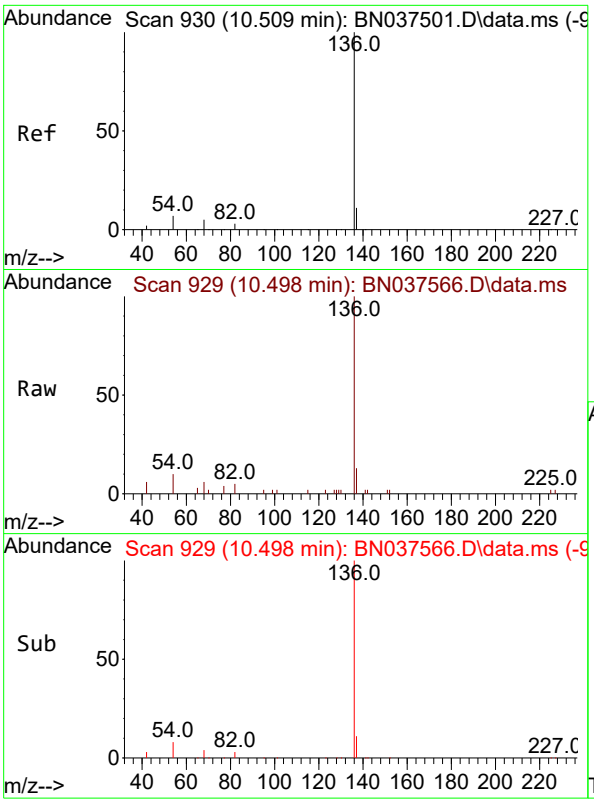


#6
bis(2-Chloroethyl)ether
Concen: 0.322 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion: 93 Resp: 1320

Ion	Ratio	Lower	Upper
93	100		
63	76.8	58.2	87.4
95	32.7	25.3	37.9



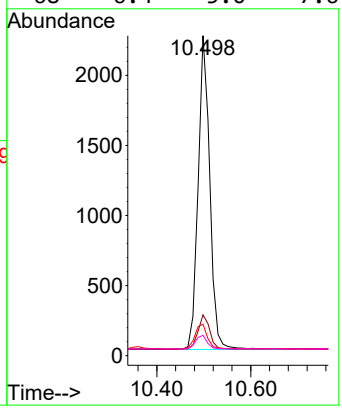


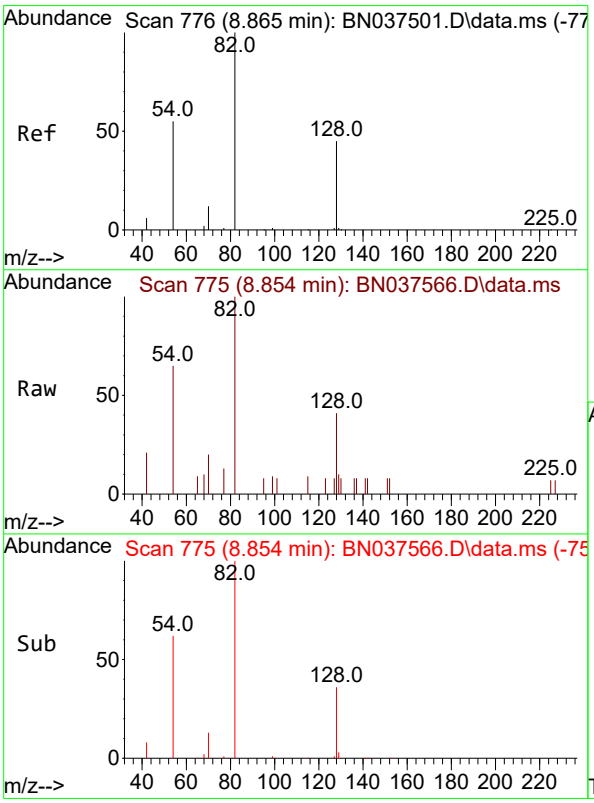
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:136 Resp: 3862

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.8	14.8
54	9.9	6.6	9.8#
68	6.4	5.0	7.6

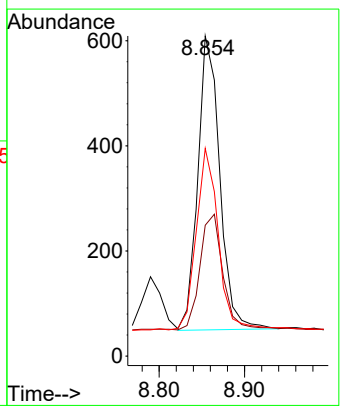


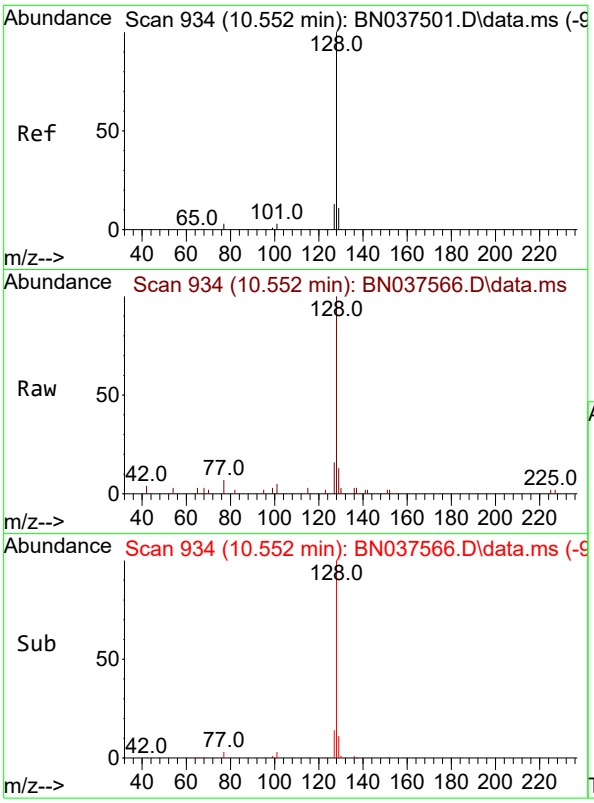


#8
Nitrobenzene-d5
Concen: 0.347 ng
RT: 8.854 min Scan# 775
Delta R.T. -0.011 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion: 82 Resp: 1001

Ion	Ratio	Lower	Upper
82	100		
128	40.9	37.5	56.3
54	64.9	45.3	67.9



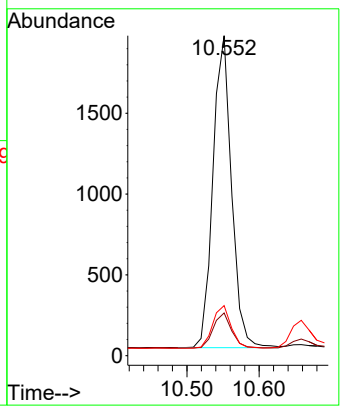


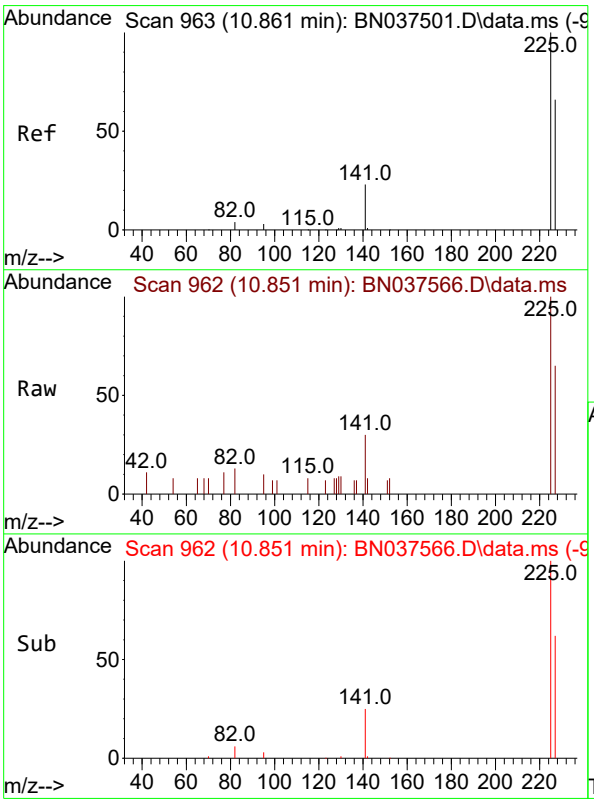
#9
Naphthalene
Concen: 0.334 ng
RT: 10.552 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:128 Resp: 3441

Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.7	14.5
127	15.7	11.5	17.3

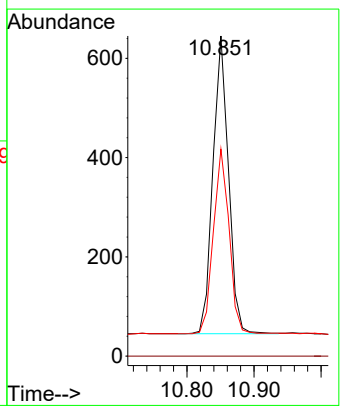


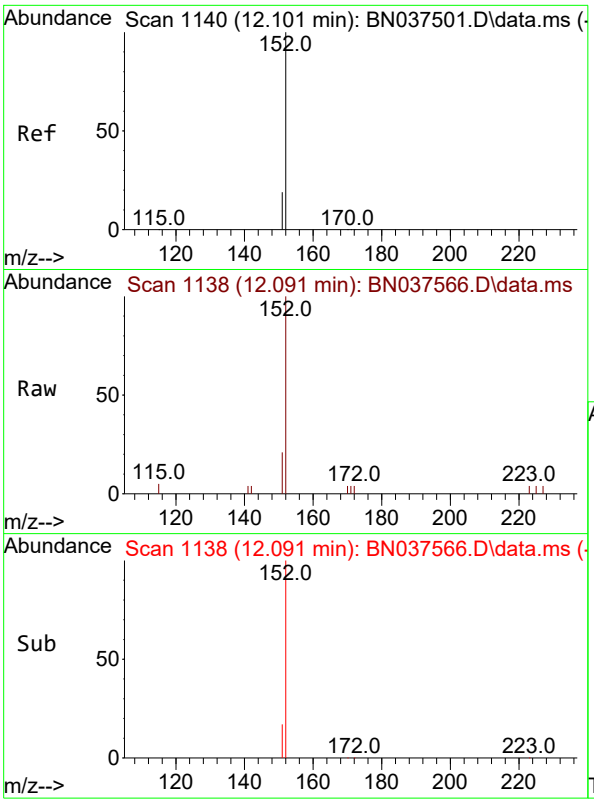


#10
Hexachlorobutadiene
Concen: 0.423 ng
RT: 10.851 min Scan# 962
Delta R.T. -0.011 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:225 Resp: 964

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.9	51.0	76.4



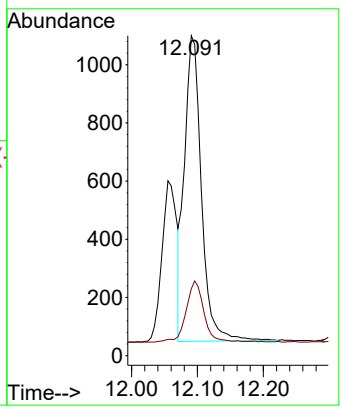


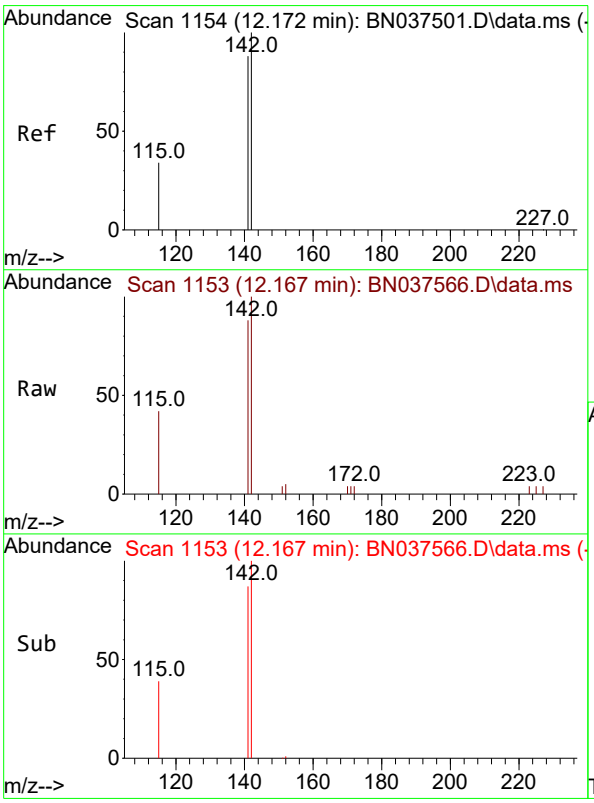
#11
2-Methylnaphthalene-d10
Concen: 0.340 ng
RT: 12.091 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:152 Resp: 1882

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.8	25.2

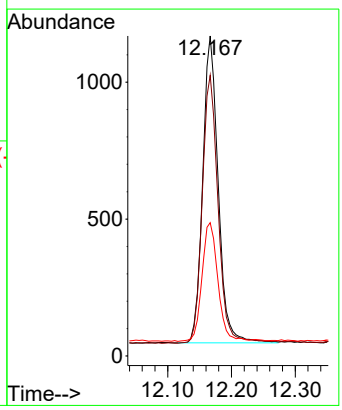


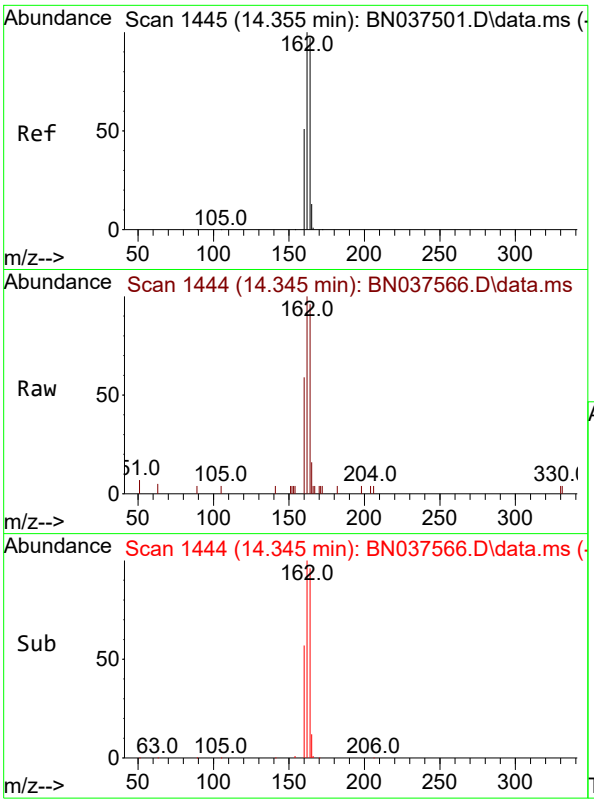


#12
2-Methylnaphthalene
Concen: 0.279 ng
RT: 12.167 min Scan# 1153
Delta R.T. -0.005 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:142 Resp: 1892

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.0	106.4
115	41.7	29.0	43.4



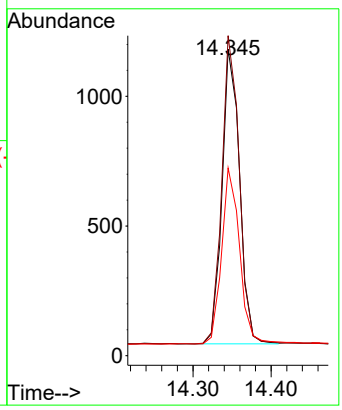


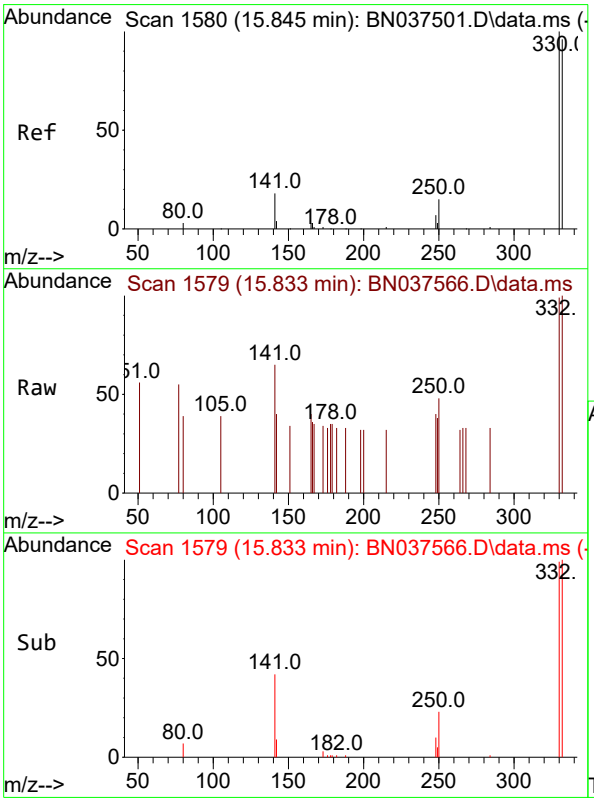
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:164 Resp: 1765

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.0	123.0
160	61.3	42.4	63.6

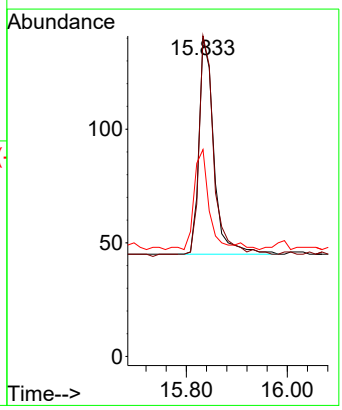


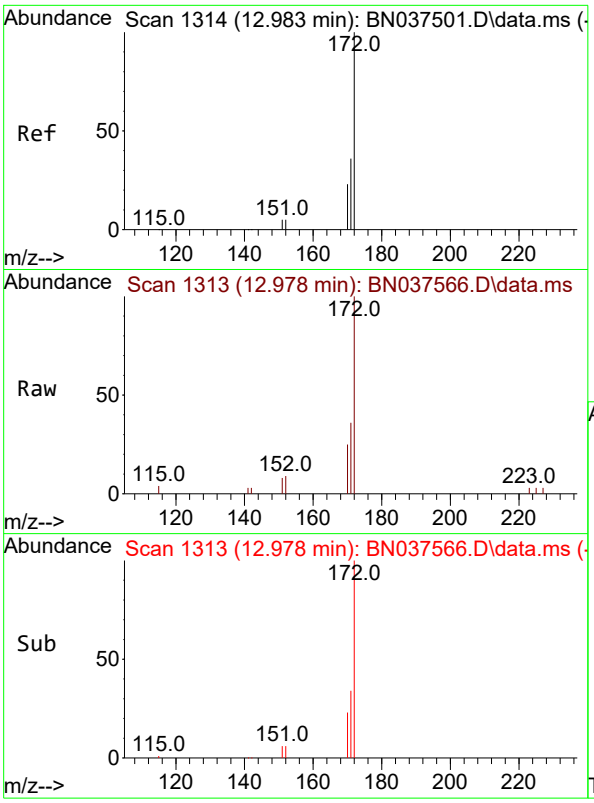


#14
2,4,6-Tribromophenol
Concen: 0.225 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:330 Resp: 195

Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.1	114.1
141	48.7	33.4	50.0



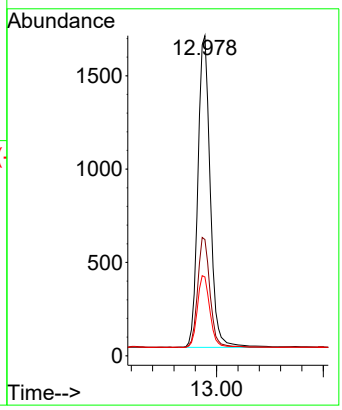


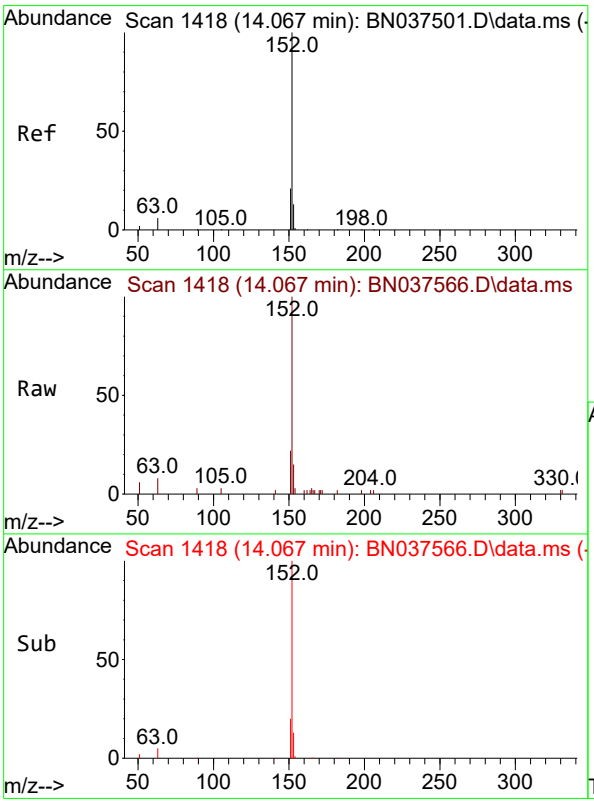
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.978 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:172 Resp: 3760

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	24.6	19.4	29.0

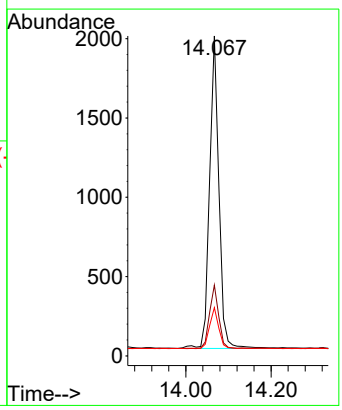


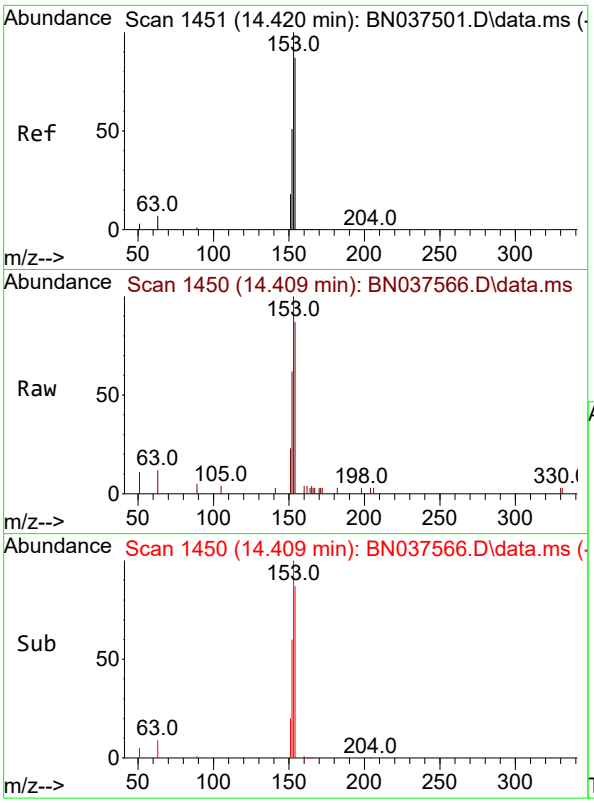


#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:152 Resp: 2987

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.1	10.7	16.1



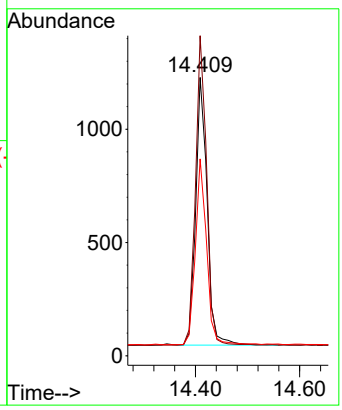


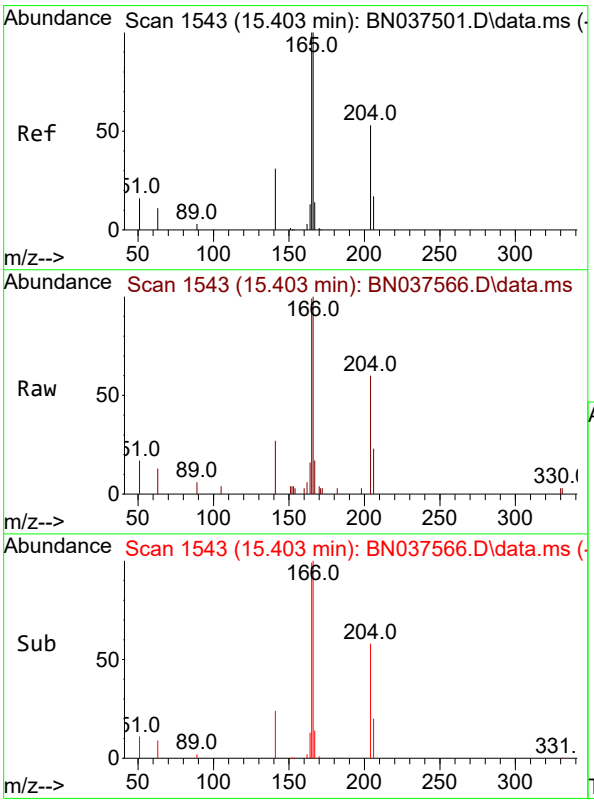
#17
Acenaphthene
Concen: 0.336 ng
RT: 14.409 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:154 Resp: 1807

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.2	133.8
152	68.1	48.0	72.0

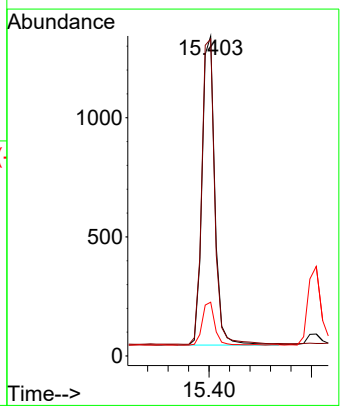


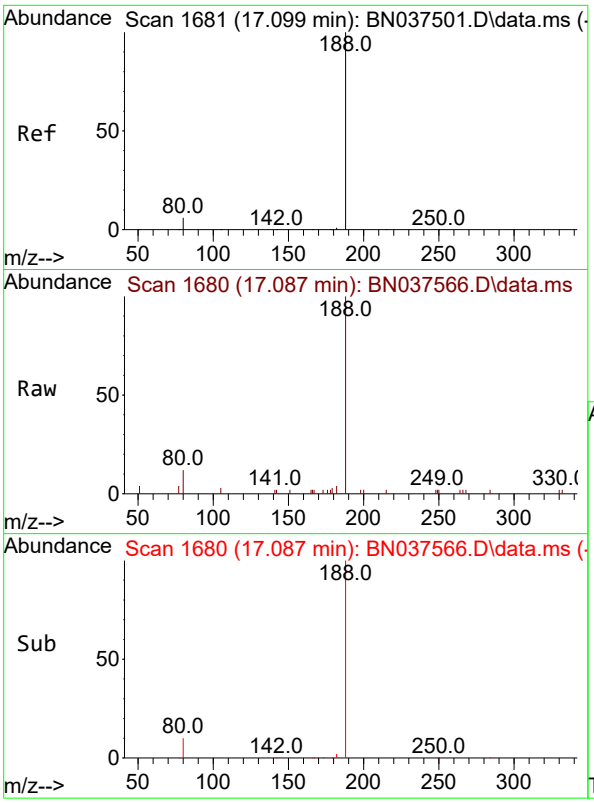


#18
Fluorene
Concen: 0.328 ng
RT: 15.403 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:166 Resp: 2272

Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.1	117.1
167	13.7	11.0	16.6



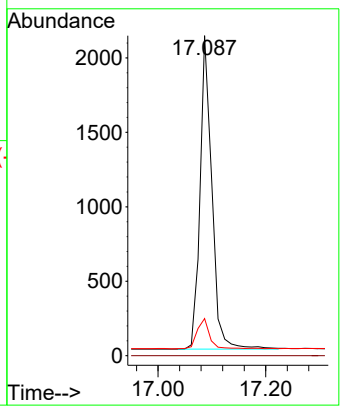


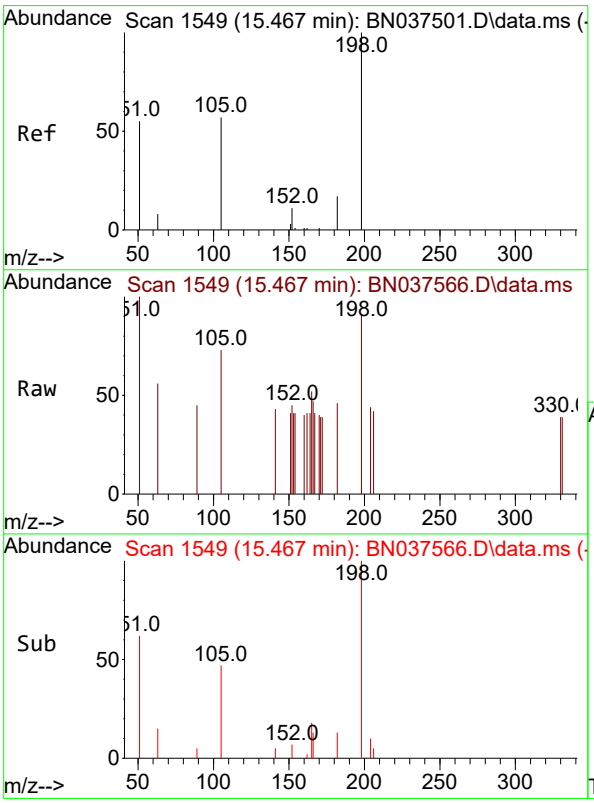
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:188 Resp: 3214

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	6.0	9.0#

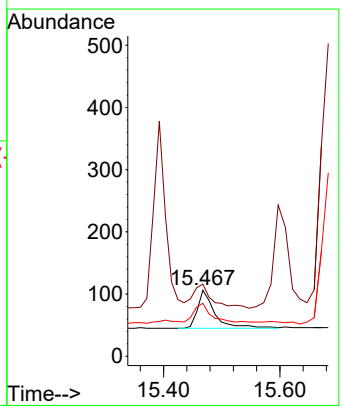


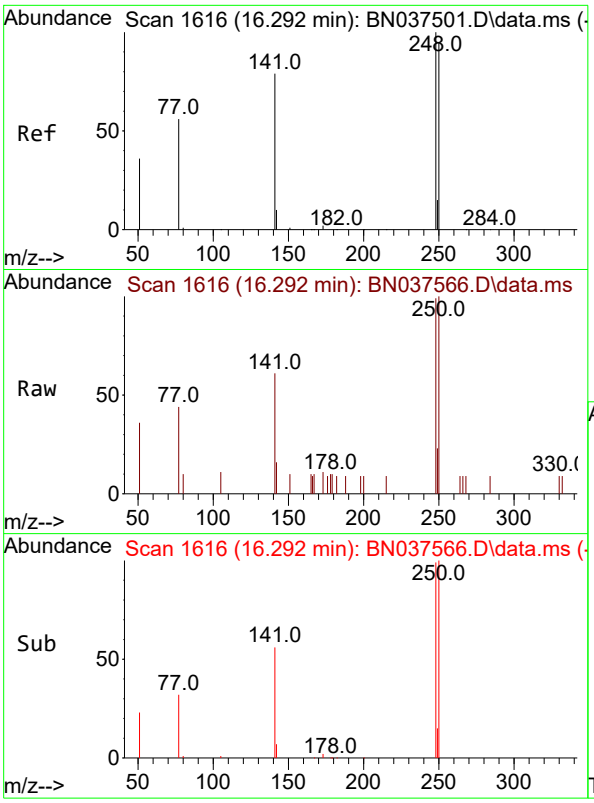


#20
4,6-Dinitro-2-methylphenol
Concen: 0.396 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:198 Resp: 133

Ion	Ratio	Lower	Upper
198	100		
51	109.4	88.5	132.7
105	80.2	61.2	91.8



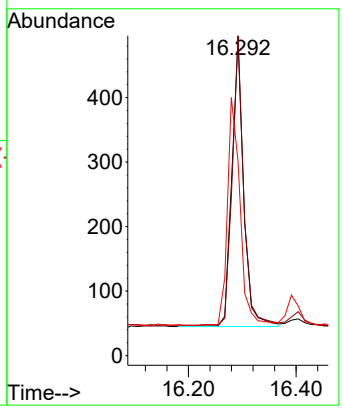


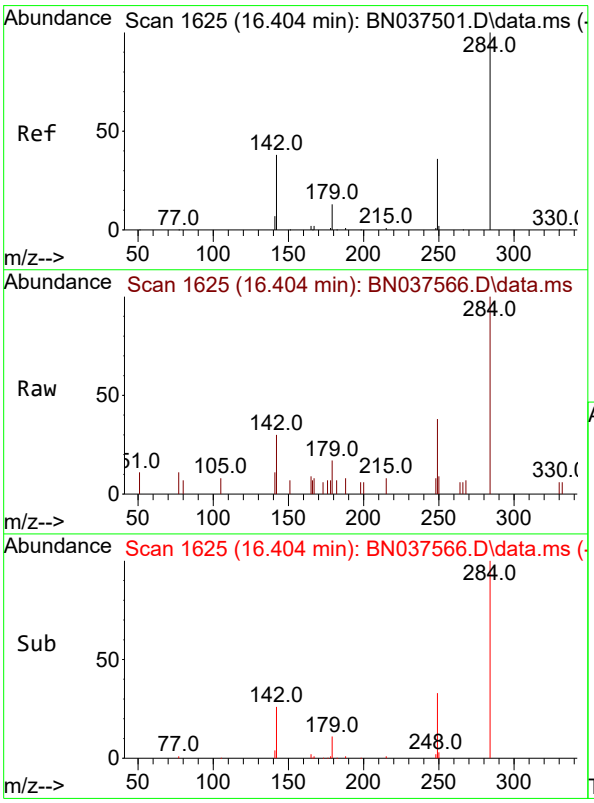
#21
4-Bromophenyl-phenylether
Concen: 0.329 ng
RT: 16.292 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:248 Resp: 678

Ion	Ratio	Lower	Upper
248	100		
250	101.0	76.2	114.2
141	61.3	63.9	95.9#

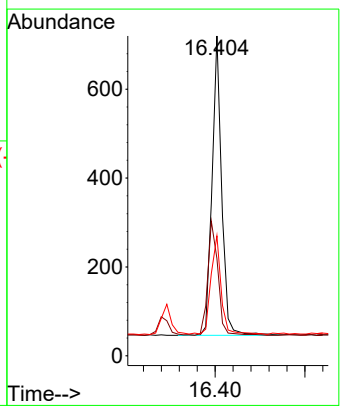


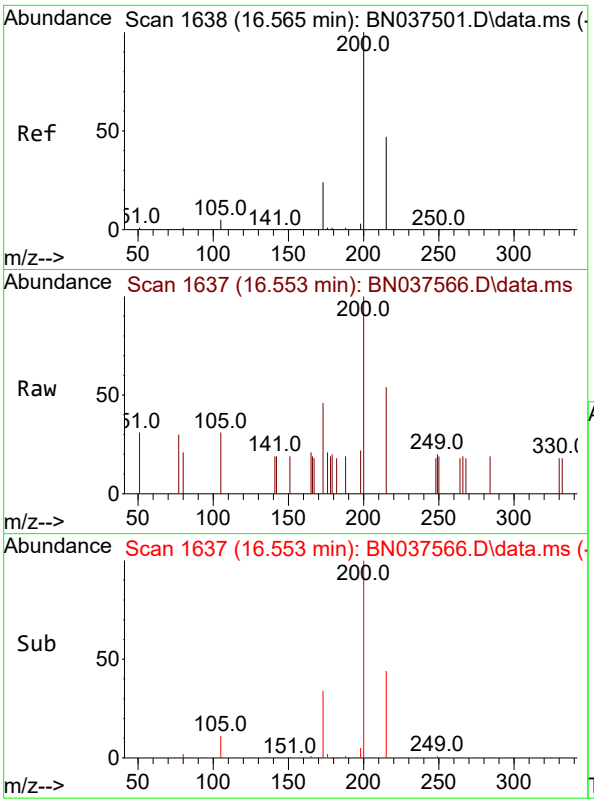


#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.404 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:284 Resp: 998

Ion	Ratio	Lower	Upper
284	100		
142	40.8	28.9	43.3
249	35.2	25.8	38.6



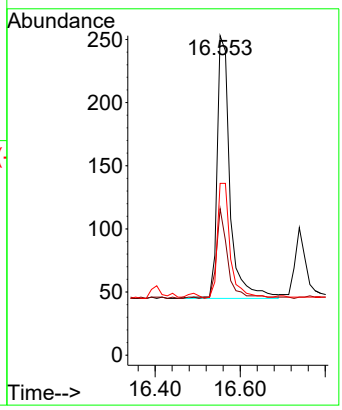


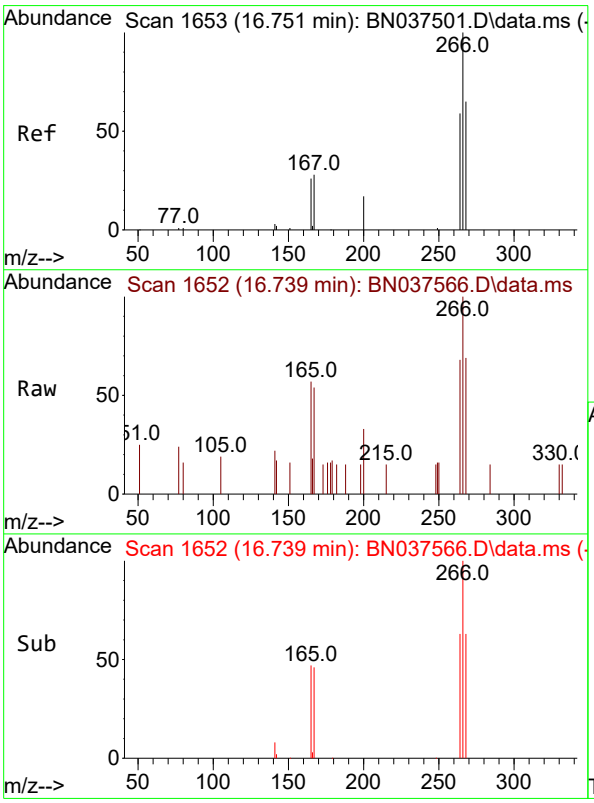
#23
Atrazine
Concen: 0.303 ng
RT: 16.553 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:200 Resp: 435

Ion	Ratio	Lower	Upper
200	100		
173	45.8	23.2	34.8#
215	53.8	40.2	60.4

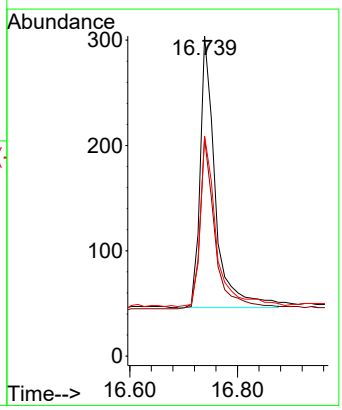


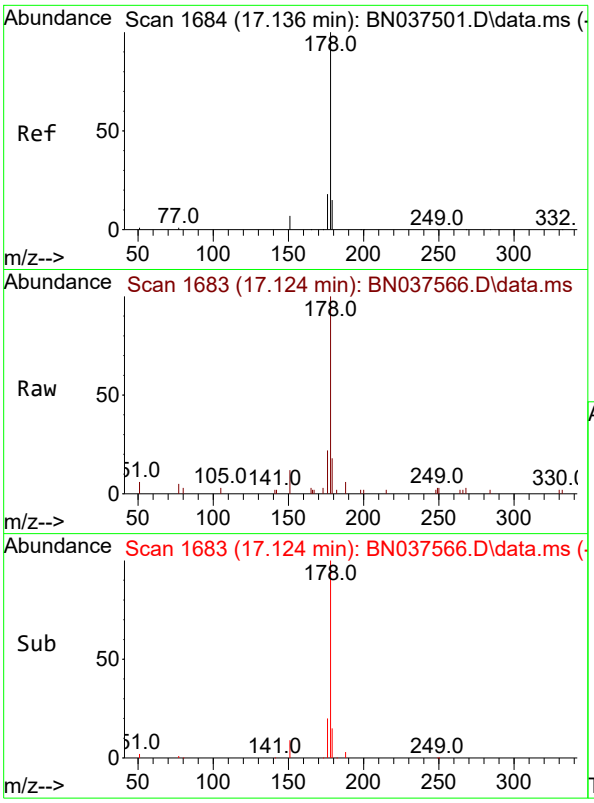


#24
Pentachlorophenol
Concen: 0.425 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:266 Resp: 507

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.3	73.9
268	65.9	51.6	77.4



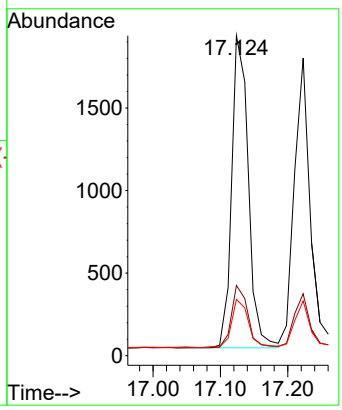


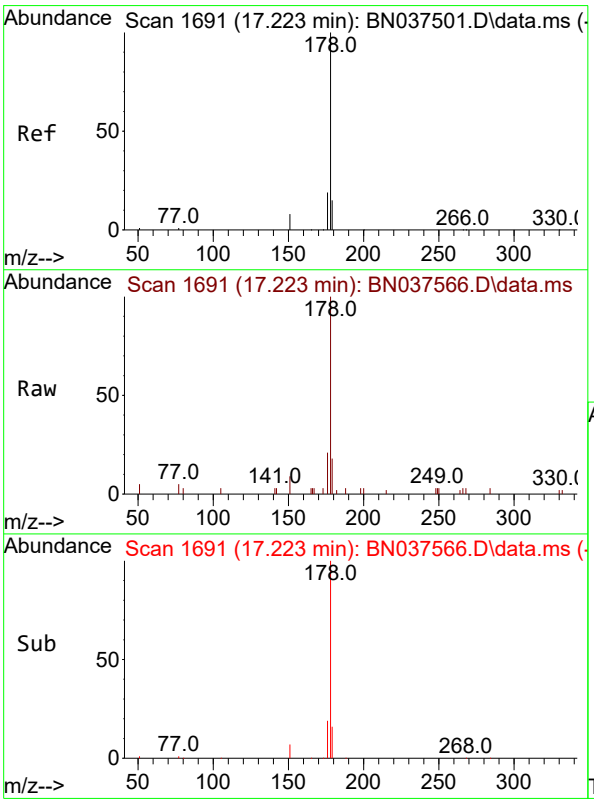
#25
Phenanthrene
Concen: 0.338 ng
RT: 17.124 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:178 Resp: 3259

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.6
179	15.6	12.2	18.2

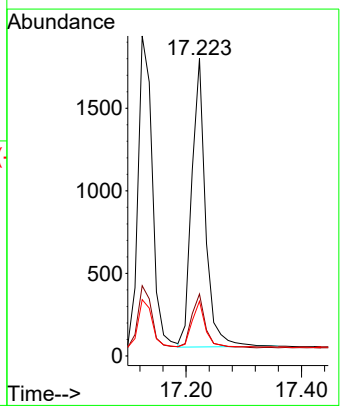


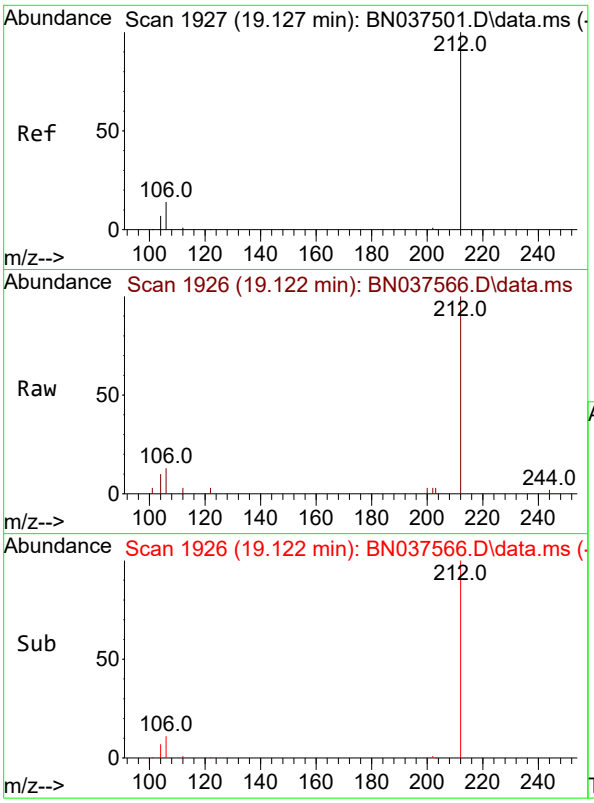


#26
Anthracene
Concen: 0.331 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:178 Resp: 2908

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.3	18.5



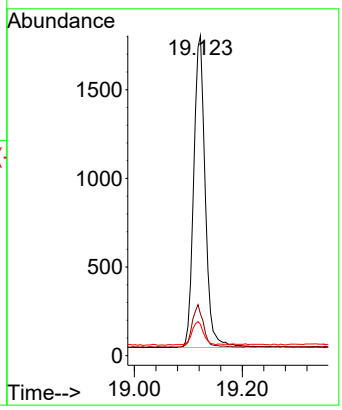


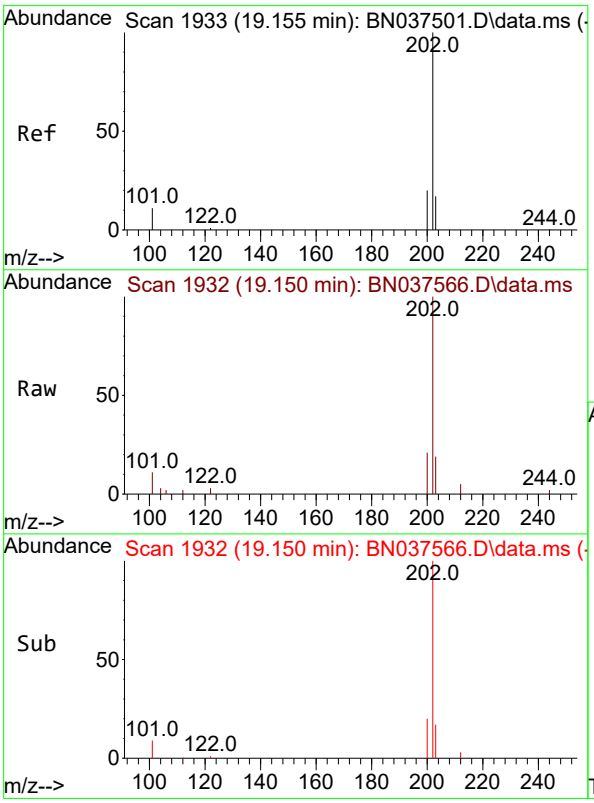
#27
Fluoranthene-d10
Concen: 0.307 ng
RT: 19.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:212 Resp: 2613

Ion	Ratio	Lower	Upper
212	100		
106	13.6	12.2	18.4
104	7.1	6.7	10.1

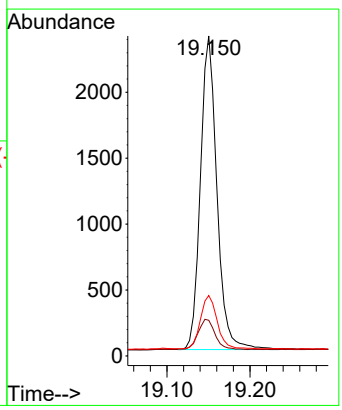


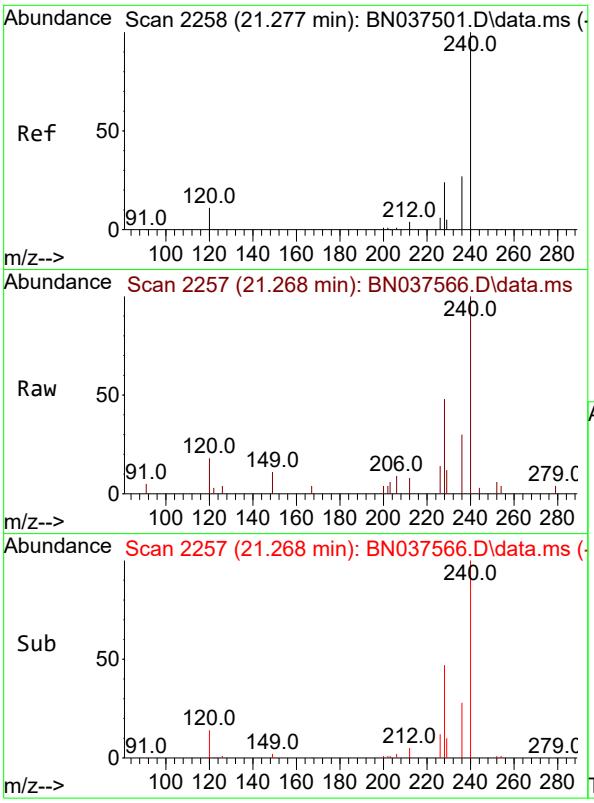


#28
Fluoranthene
Concen: 0.297 ng
RT: 19.150 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:202 Resp: 3298

Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.8	14.6
203	17.1	13.6	20.4



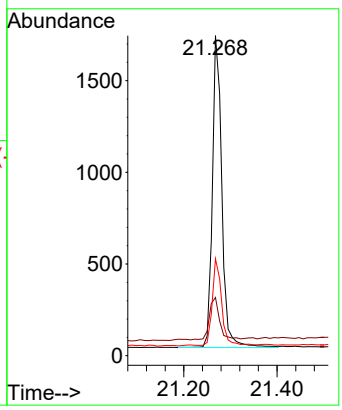


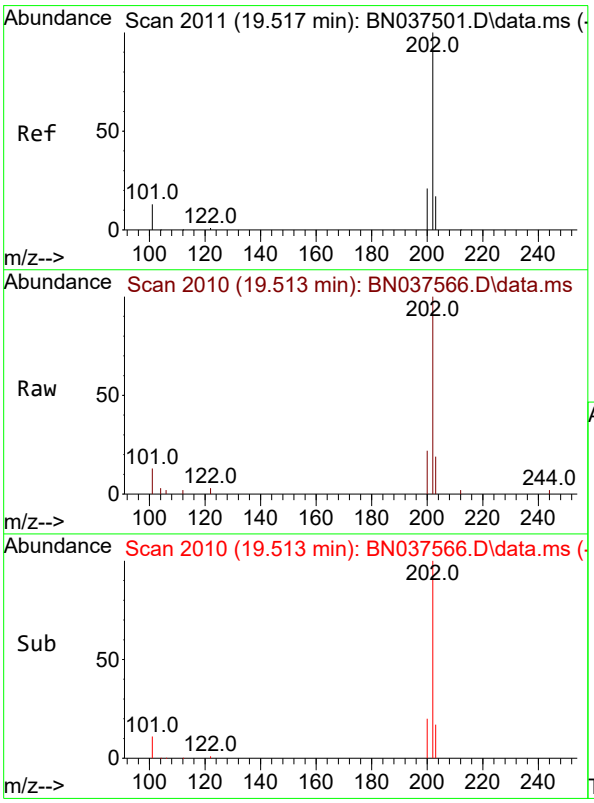
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:240 Resp: 2404

Ion	Ratio	Lower	Upper
240	100		
120	18.2	10.7	16.1#
236	30.3	22.6	33.8

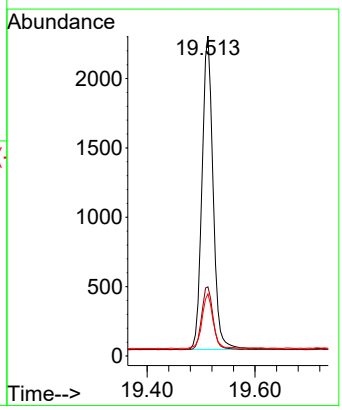


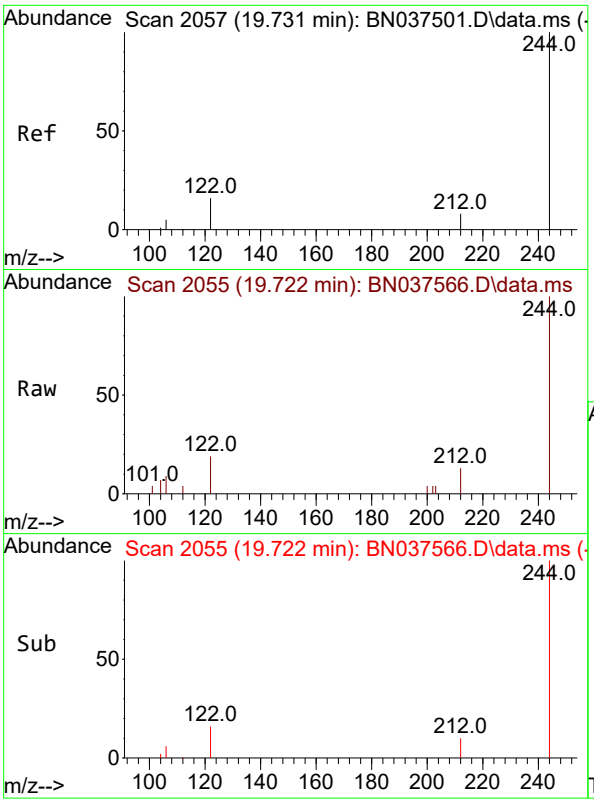


#30
Pyrene
Concen: 0.333 ng
RT: 19.513 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:202 Resp: 3228

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.5	14.3	21.5



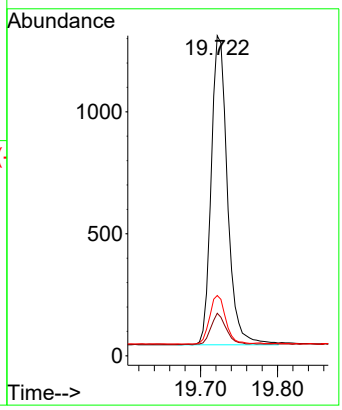


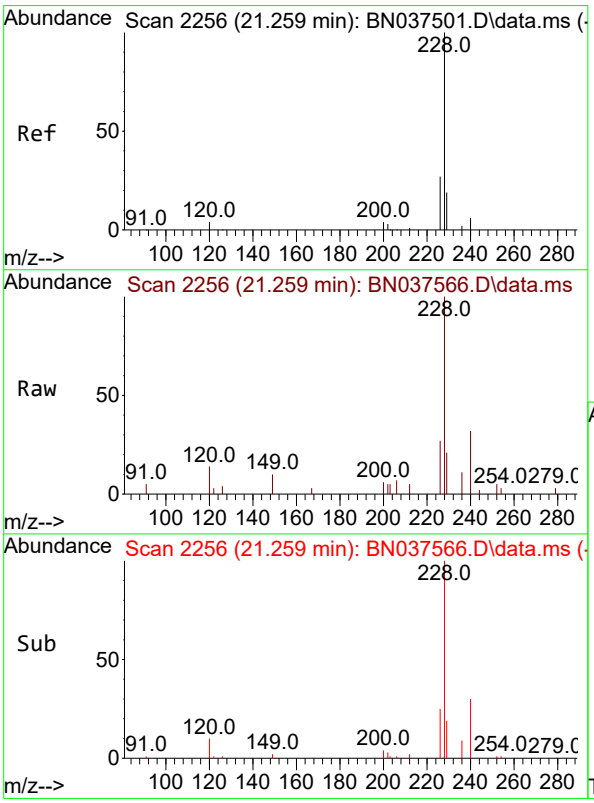
#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.722 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:244 Resp: 1857

Ion	Ratio	Lower	Upper
244	100		
212	13.3	7.4	11.2#
122	18.8	13.6	20.4

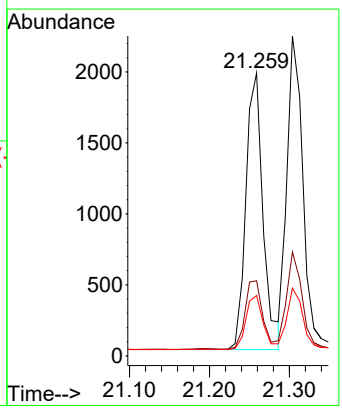


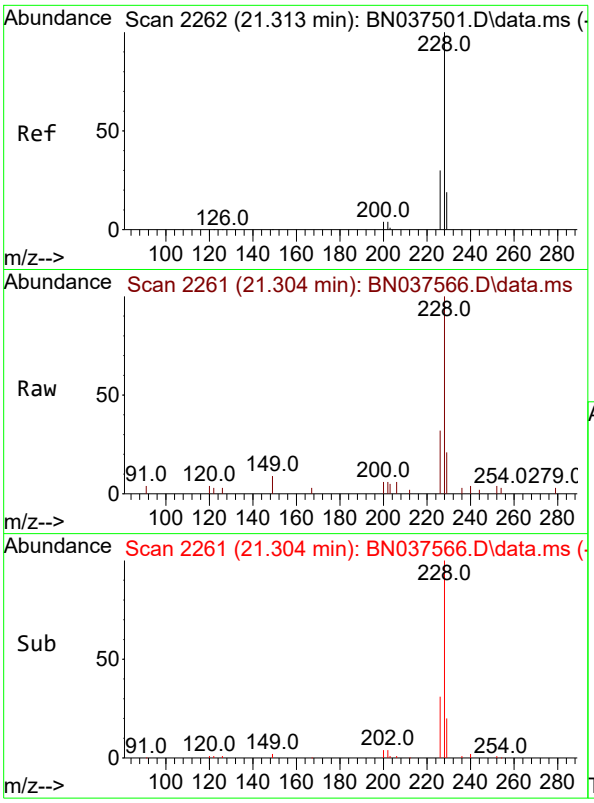


#32
Benzo(a)anthracene
Concen: 0.345 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:228 Resp: 2903

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.9	32.9
229	21.3	15.8	23.8



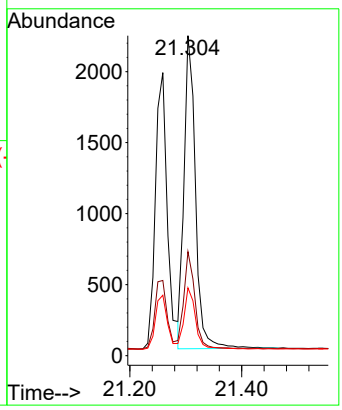


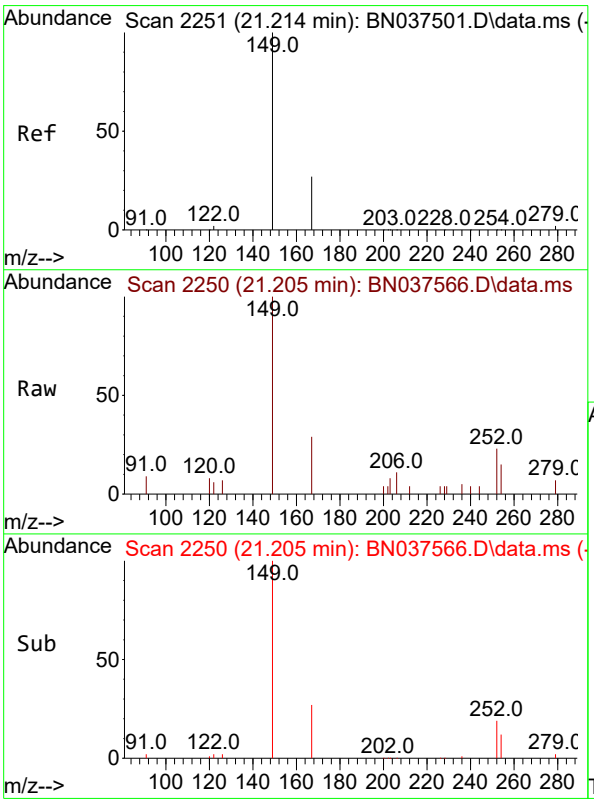
#33
Chrysene
Concen: 0.358 ng
RT: 21.304 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:228 Resp: 3135

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.2	36.4
229	21.2	16.1	24.1

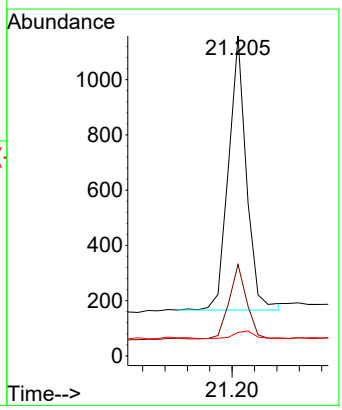


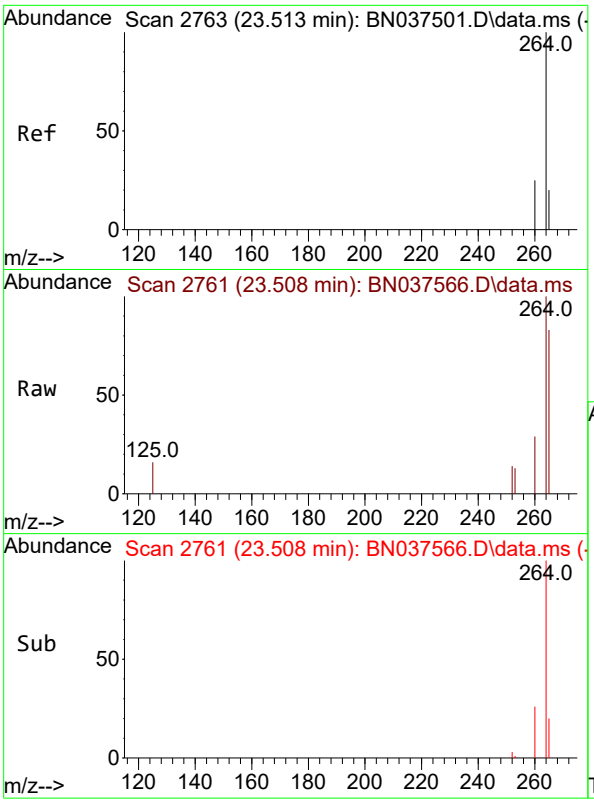


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.291 ng
RT: 21.205 min Scan# 2250
Delta R.T. -0.009 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:149 Resp: 1102

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.8	32.8
279	3.0	3.0	4.4



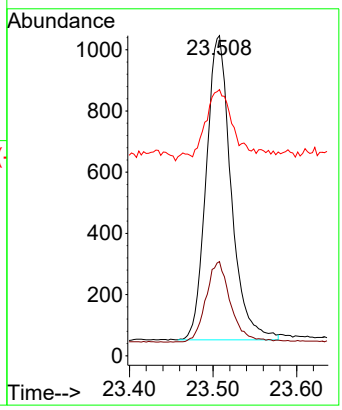


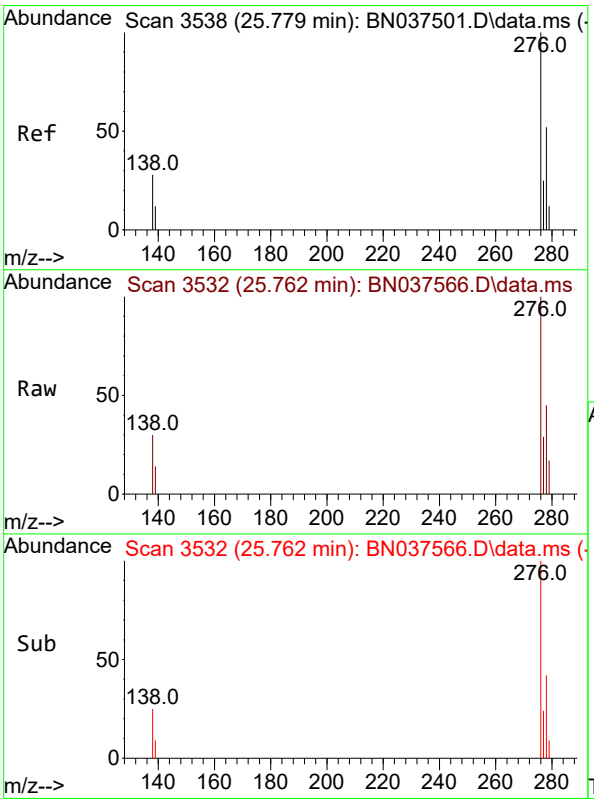
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.508 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:264 Resp: 2051

Ion	Ratio	Lower	Upper
264	100		
260	29.4	21.2	31.8
265	83.2	40.4	60.6#

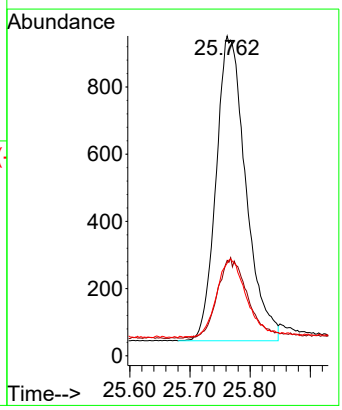


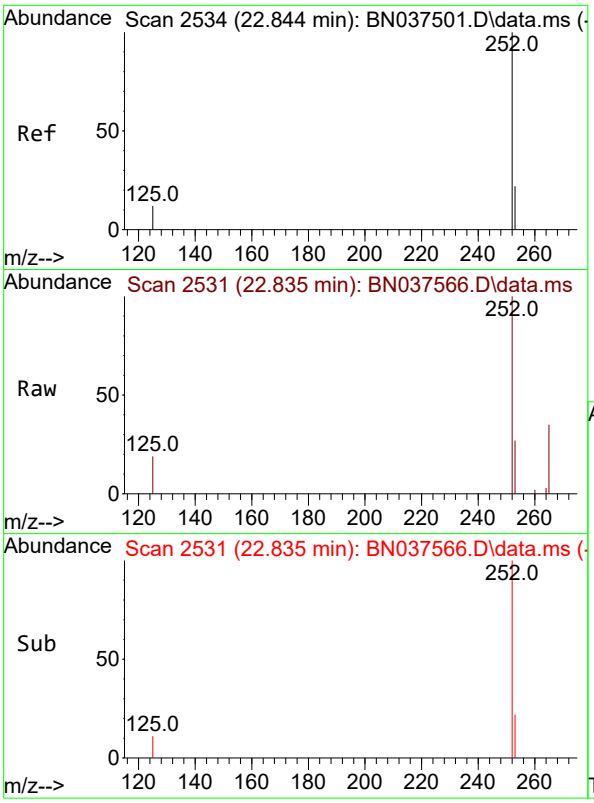


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.363 ng
RT: 25.762 min Scan# 3532
Delta R.T. -0.017 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:276 Resp: 3100

Ion	Ratio	Lower	Upper
276	100		
138	27.2	24.0	36.0
277	26.0	20.5	30.7



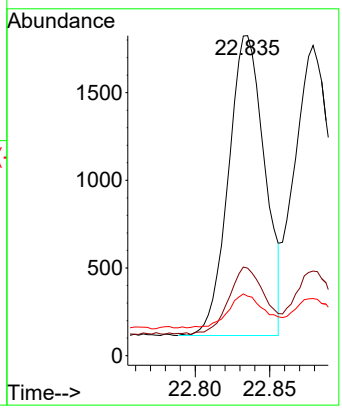


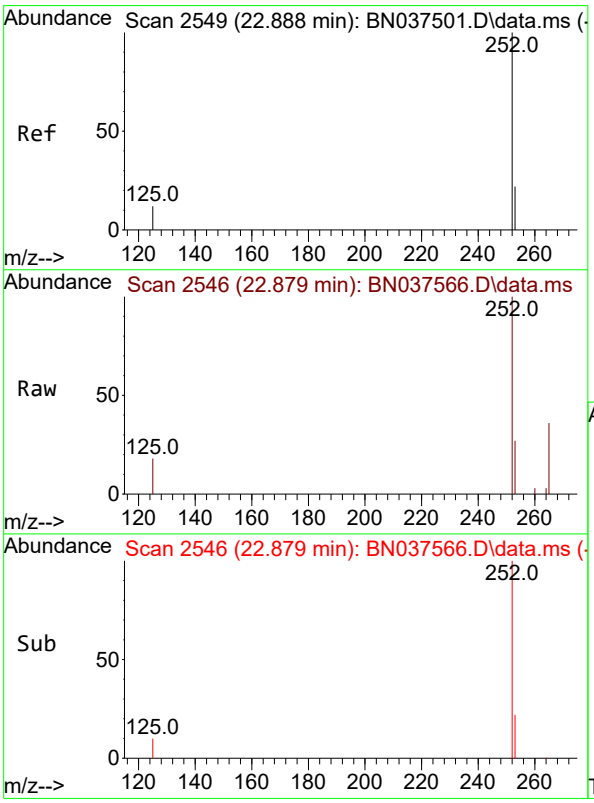
#37
Benzo(b)fluoranthene
Concen: 0.372 ng
RT: 22.835 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:252 Resp: 2895

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.5	29.3
125	18.6	13.0	19.6

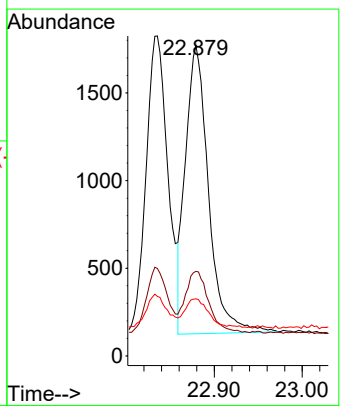


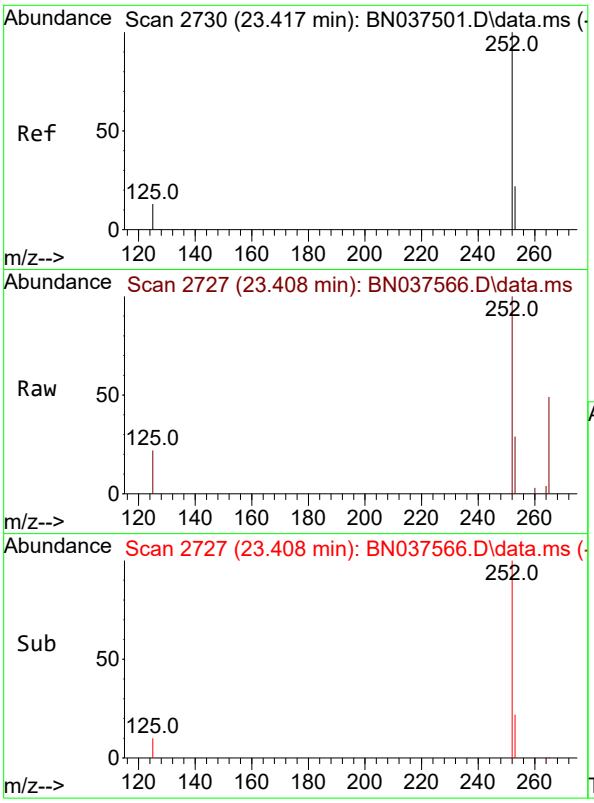


#38
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 22.879 min Scan# 2546
Delta R.T. -0.009 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:252 Resp: 2995

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.5	29.3
125	18.4	13.1	19.7



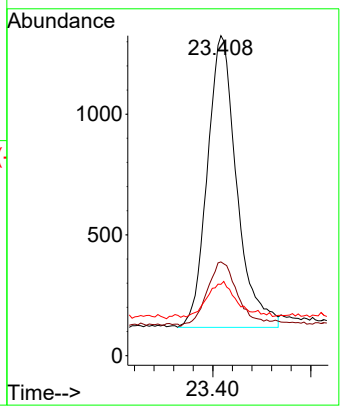


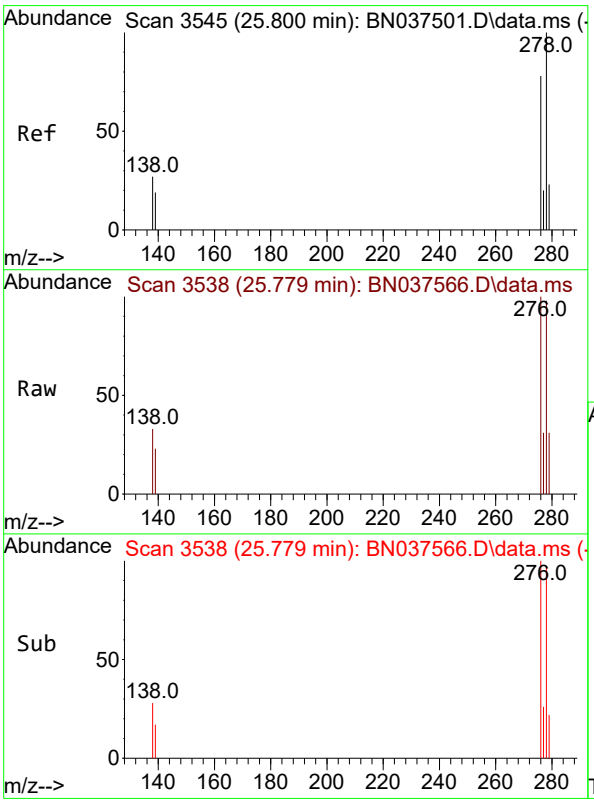
#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 23.408 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:252 Resp: 2515

Ion	Ratio	Lower	Upper
252	100		
253	29.3	19.9	29.9
125	22.3	15.2	22.8

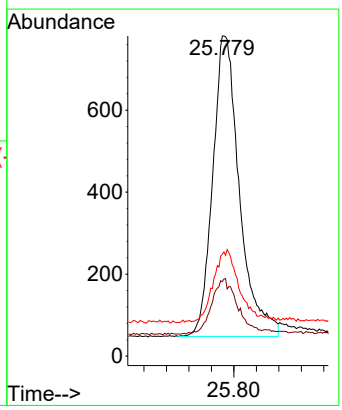


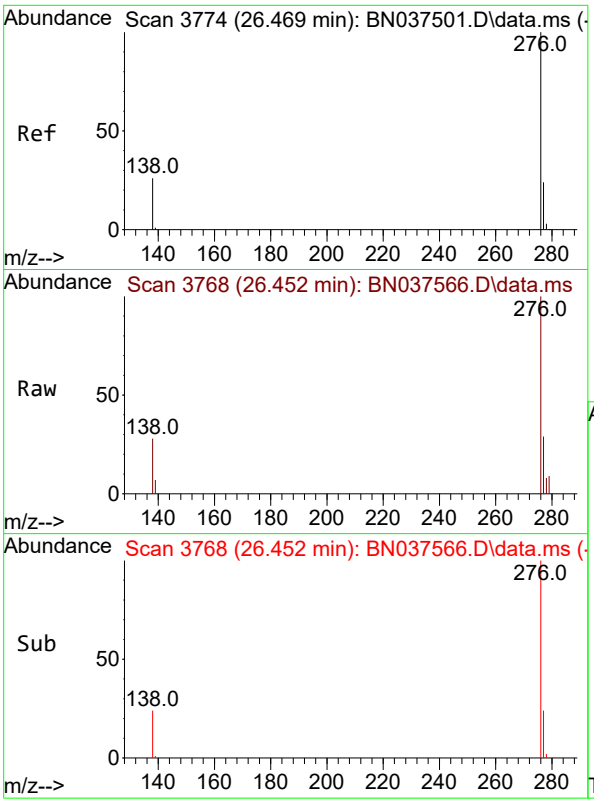


#40
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 25.779 min Scan# 3538
Delta R.T. -0.020 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Tgt Ion:278 Resp: 2418

Ion	Ratio	Lower	Upper
278	100		
139	23.3	17.5	26.3
279	31.9	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 0.391 ng
RT: 26.452 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN037566.D
Acq: 05 Aug 2025 13:47

Instrument :
BNA_N
ClientSampleId :
PB169094BS

Tgt Ion:276 Resp: 2798

Ion	Ratio	Lower	Upper
276	100		
277	28.7	20.9	31.3
138	28.3	22.6	33.8