Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037584.D
Acq On : 12 Aug 2025 20:05
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Aug 13 04:50:02 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 04:46:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.717	152	2149	0.400	ng		0.00
7) Naphthalene-d8	10.498	136	5152	0.400	ng		0.00
13) Acenaphthene-d10	14.345	164	2803	0.400	ng		0.00
19) Phenanthrene-d10	17.086	188	5318	0.400	ng		0.00
29) Chrysene-d12	21.268	240	5600	0.400	ng	#	0.00
35) Perylene-d12	23.505	264	4653	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.305	112	26238	5.386	ng		0.00
5) Phenol-d6	6.879	99	32269	5.504	ng		0.00
8) Nitrobenzene-d5	8.854	82	20990	5.784	ng		0.00
11) 2-Methylnaphthalene-d10	12.091	152	45385	6.480	ng		0.00
14) 2,4,6-Tribromophenol	15.833	330	8185	6.672	ng		0.00
15) 2-Fluorobiphenyl	12.973	172	85489	5.273	ng		0.00
27) Fluoranthene-d10	19.118	212	94332	6.743	ng		0.00
31) Terphenyl-d14	19.722	244	63100	5.477	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.239	88	9359	4.552	ng		99
3) n-Nitrosodimethylamine	3.535	42	13640	5.192	ng	#	99
6) bis(2-Chloroethyl)ether	7.139	93	27456	5.197	ng		98
9) Naphthalene	10.551	128	72603	5.293	ng		97
10) Hexachlorobutadiene	10.850	225	17071	5.094	ng	#	100
12) 2-Methylnaphthalene	12.167	142	48917	5.686	ng		98
16) Acenaphthylene	14.067	152	69369	5.521	ng		99
17) Acenaphthene	14.409	154	47237	5.527	ng		92
18) Fluorene	15.392	166	62012	5.546	ng		99
20) 4,6-Dinitro-2-methylph...	15.467	198	5458	5.830	ng	#	45
21) 4-Bromophenyl-phenylether	16.292	248	19417	5.809	ng	#	91
22) Hexachlorobenzene	16.404	284	24588	5.190	ng		100
23) Atrazine	16.553	200	13689	7.244	ng		93
24) Pentachlorophenol	16.739	266	12004	7.214	ng		98
25) Phenanthrene	17.124	178	89516	5.537	ng		100
26) Anthracene	17.223	178	85474	5.972	ng		100
28) Fluoranthene	19.150	202	109583	5.900	ng		100
30) Pyrene	19.513	202	108658	5.190	ng		100
32) Benzo(a)anthracene	21.250	228	104084	5.564	ng		98
33) Chrysene	21.304	228	108554	5.207	ng		99
34) Bis(2-ethylhexyl)phtha...	21.205	149	46994	6.087	ng		98
36) Indeno(1,2,3-cd)pyrene	25.768	276	116962	5.965	ng		99
37) Benzo(b)fluoranthene	22.835	252	106138	6.019	ng	#	91
38) Benzo(k)fluoranthene	22.879	252	110373	5.548	ng	#	90
39) Benzo(a)pyrene	23.408	252	87699	5.997	ng	#	87
40) Dibenzo(a,h)anthracene	25.782	278	94267	6.197	ng		92
41) Benzo(g,h,i)perylene	26.458	276	95537	5.960	ng		95

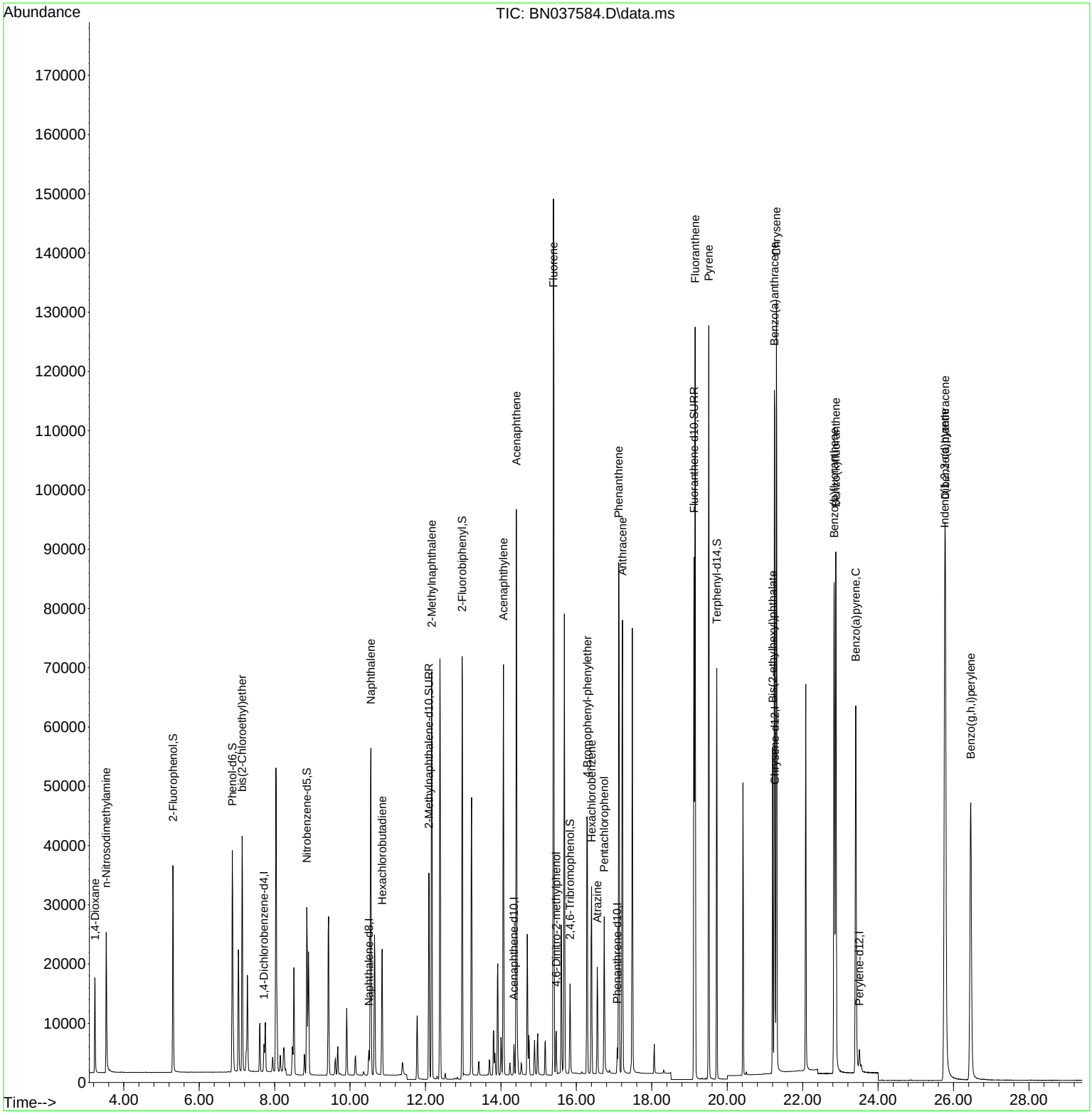
(#) = qualifier out of range (m) = manual integration (+) = signals summed

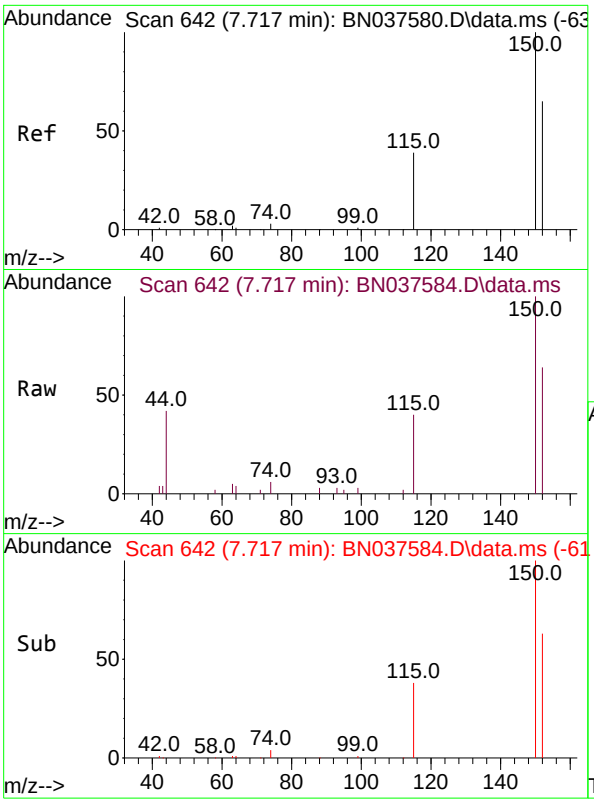
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037584.D
Acq On : 12 Aug 2025 20:05
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Aug 13 04:50:02 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 04:46:02 2025
Response via : Initial Calibration



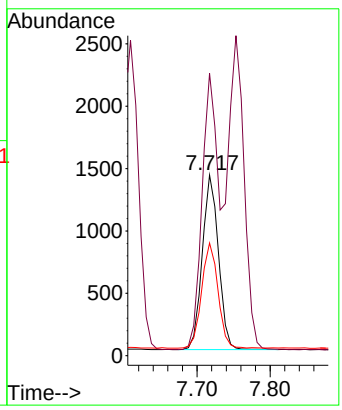


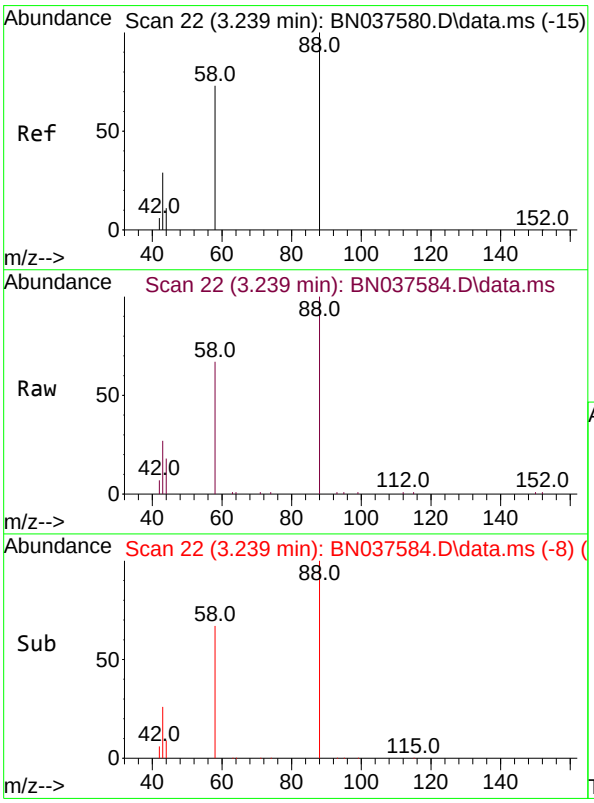
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2149

Ion	Ratio	Lower	Upper
152	100		
150	156.4	122.2	183.4
115	62.4	49.8	74.6

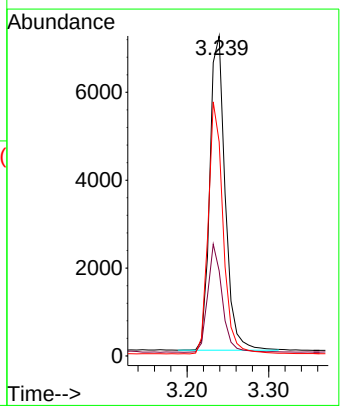


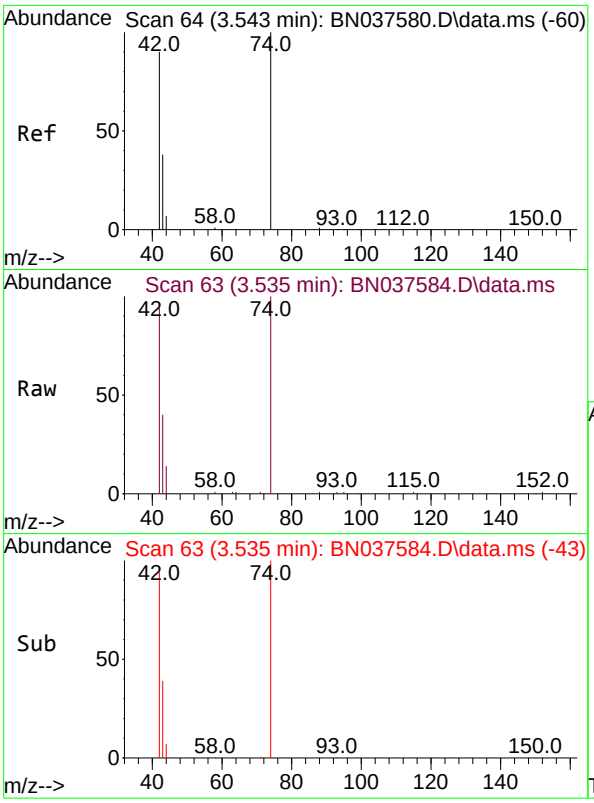


#2
1,4-Dioxane
Concen: 4.552 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion: 88 Resp: 9359

Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.8	38.6
58	77.5	61.2	91.8



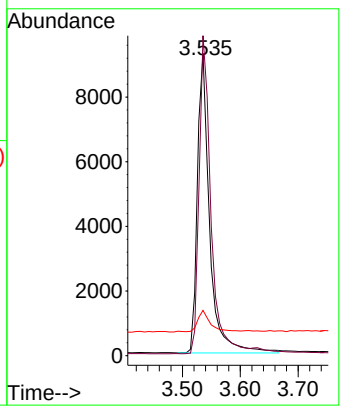


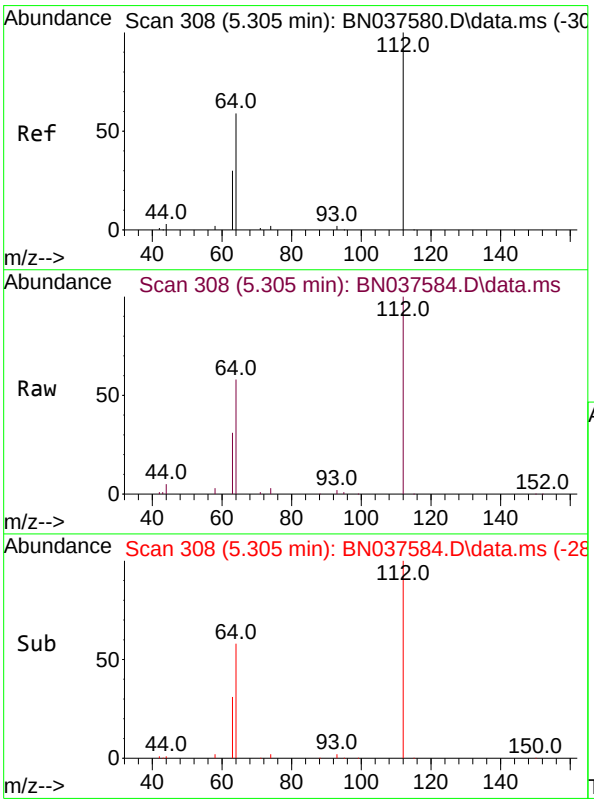
#3
n-Nitrosodimethylamine
Concen: 5.192 ng
RT: 3.535 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 13640

Ion	Ratio	Lower	Upper
42	100		
74	102.7	82.0	123.0
44	7.6	7.9	11.9#

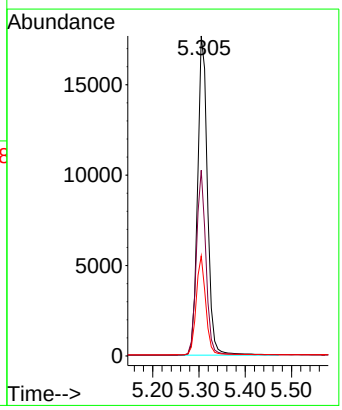


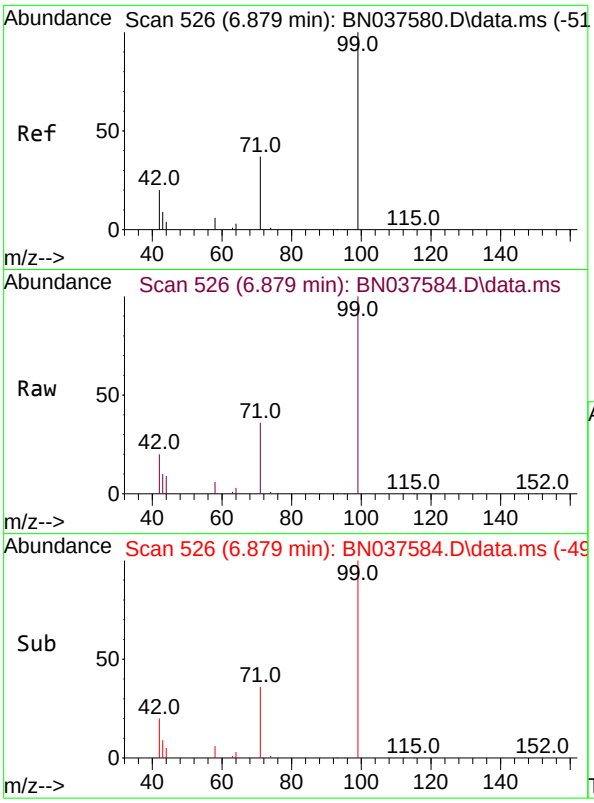


#4
2-Fluorophenol
Concen: 5.386 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:112 Resp: 26238

Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.9	67.3
63	30.1	23.4	35.2



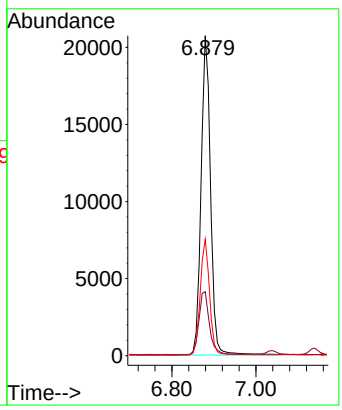


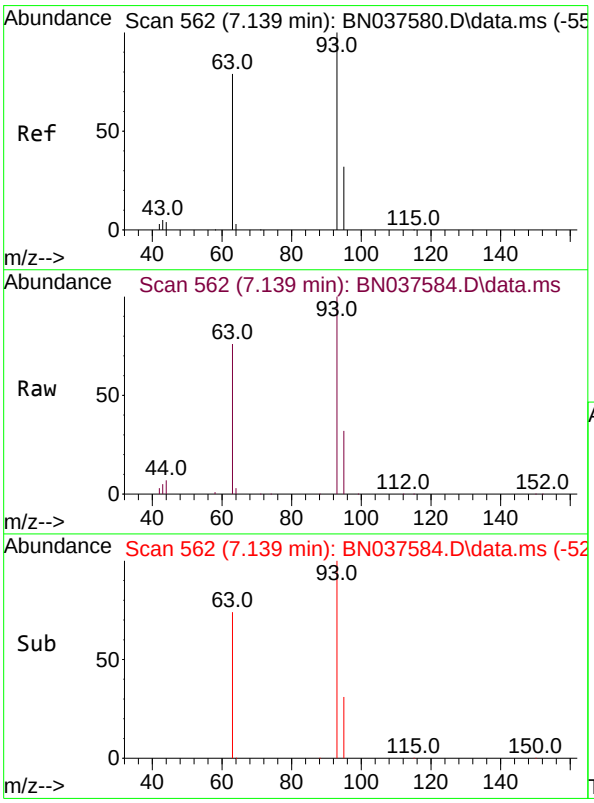
#5
Phenol-d6
Concen: 5.504 ng
RT: 6.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 32269

Ion	Ratio	Lower	Upper
99	100		
42	21.8	18.5	27.7
71	35.9	28.6	42.8

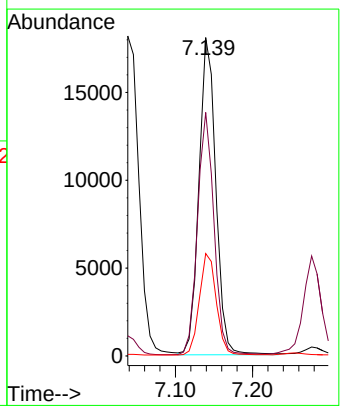


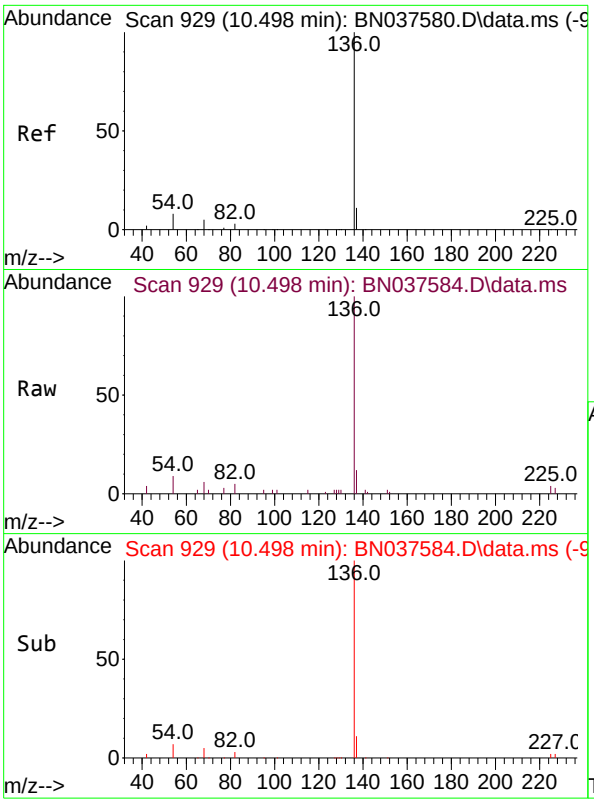


#6
bis(2-Chloroethyl)ether
Concen: 5.197 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion: 93 Resp: 27456

Ion	Ratio	Lower	Upper
93	100		
63	74.3	58.0	87.0
95	32.1	24.9	37.3



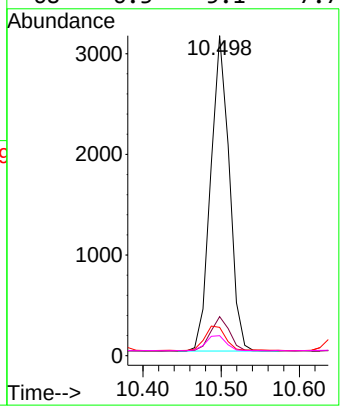


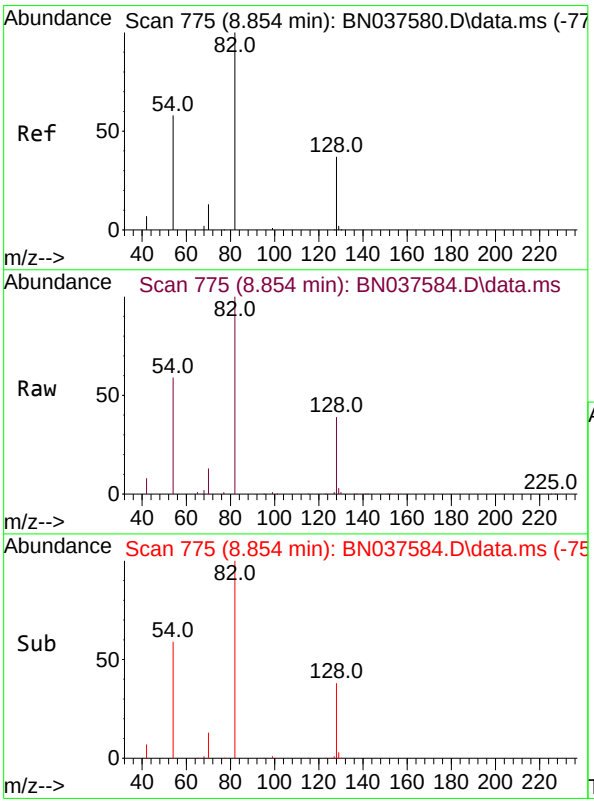
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 5152

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.9	7.3	10.9
68	6.3	5.1	7.7

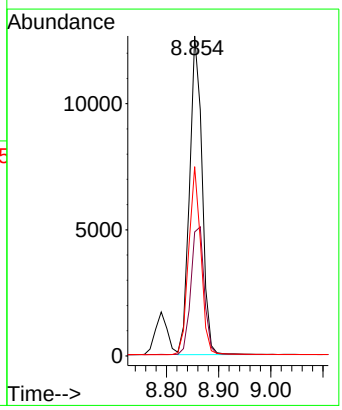


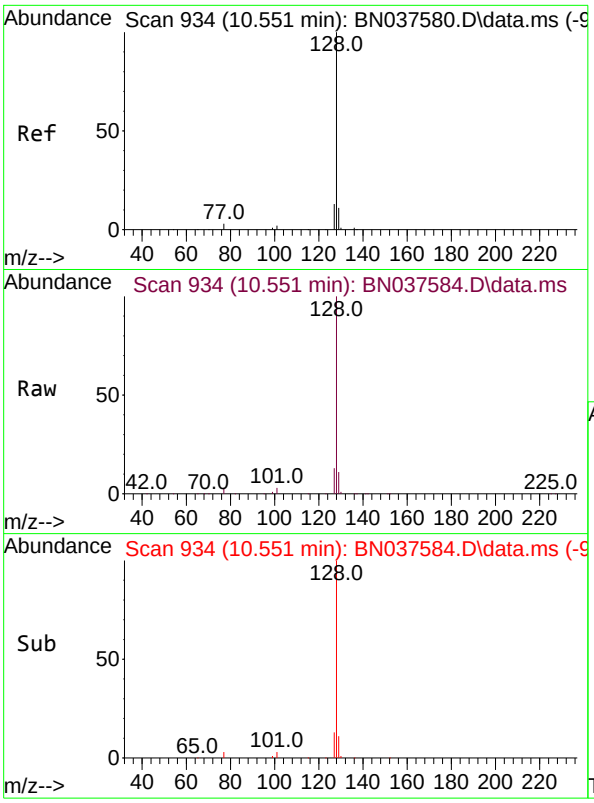


#8
Nitrobenzene-d5
Concen: 5.784 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion: 82 Resp: 20990

Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.6	48.8
54	59.1	48.9	73.3



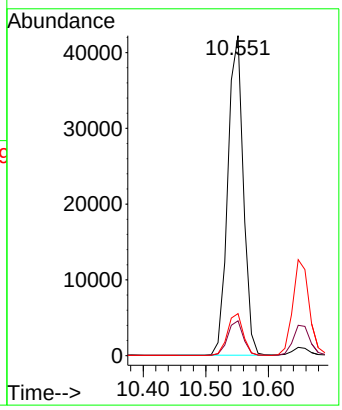


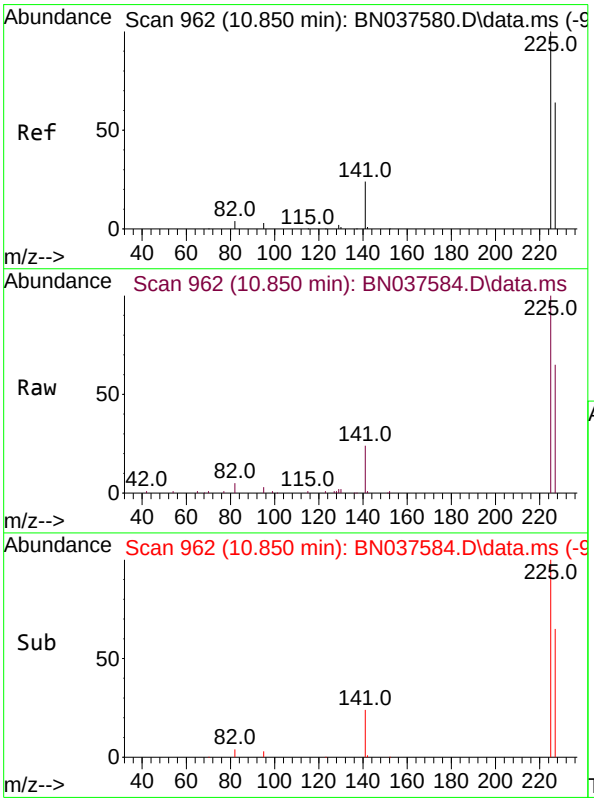
#9
Naphthalene
Concen: 5.293 ng
RT: 10.551 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 72603

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.6
127	13.1	11.5	17.3

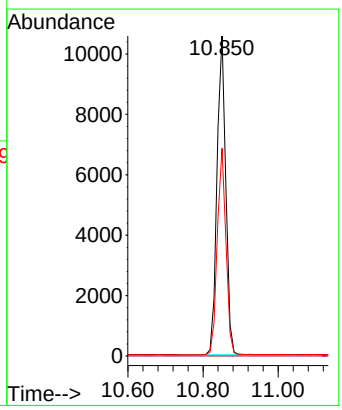


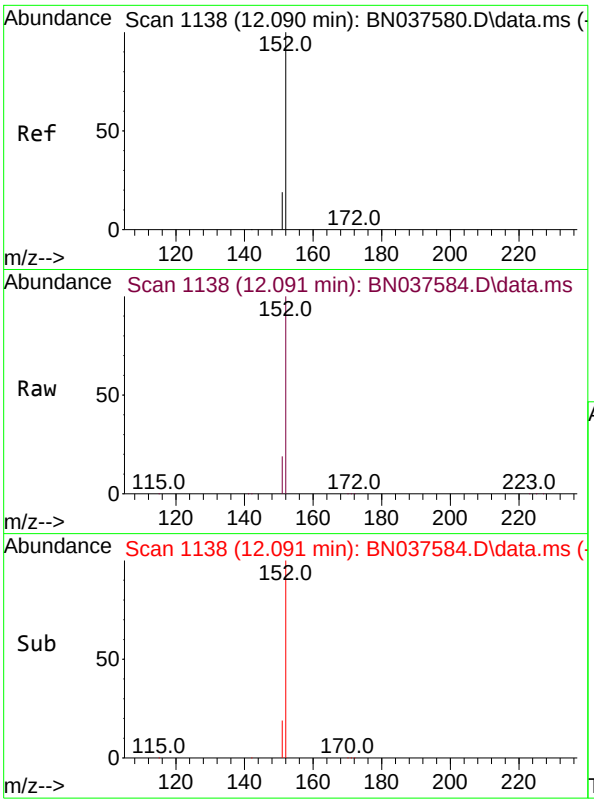


#10
Hexachlorobutadiene
Concen: 5.094 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:225 Resp: 17071

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.8	76.2



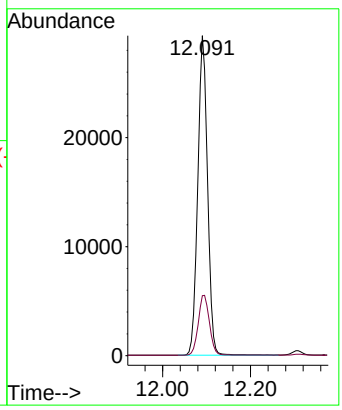


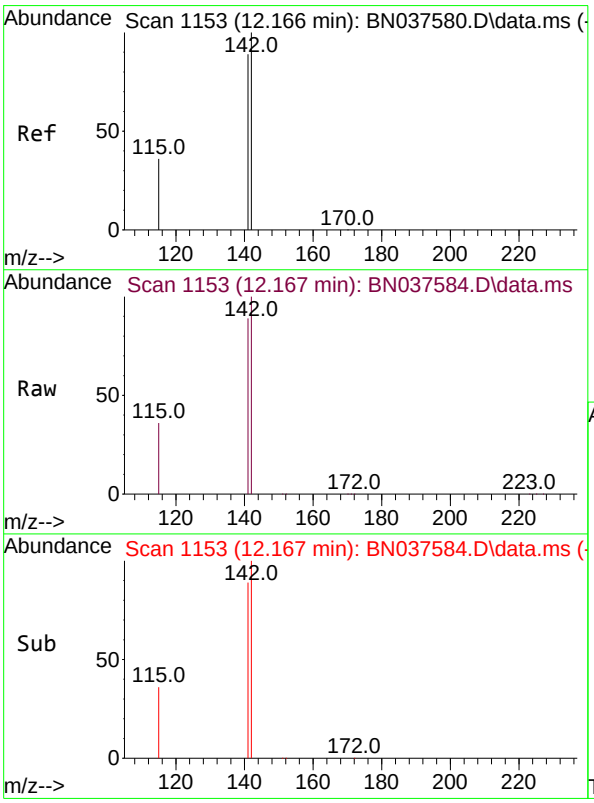
#11
2-Methylnaphthalene-d10
Concen: 6.480 ng
RT: 12.091 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 45385

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.3	25.9

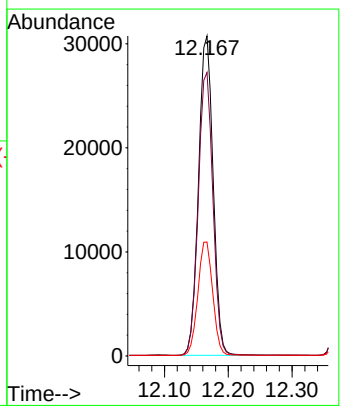


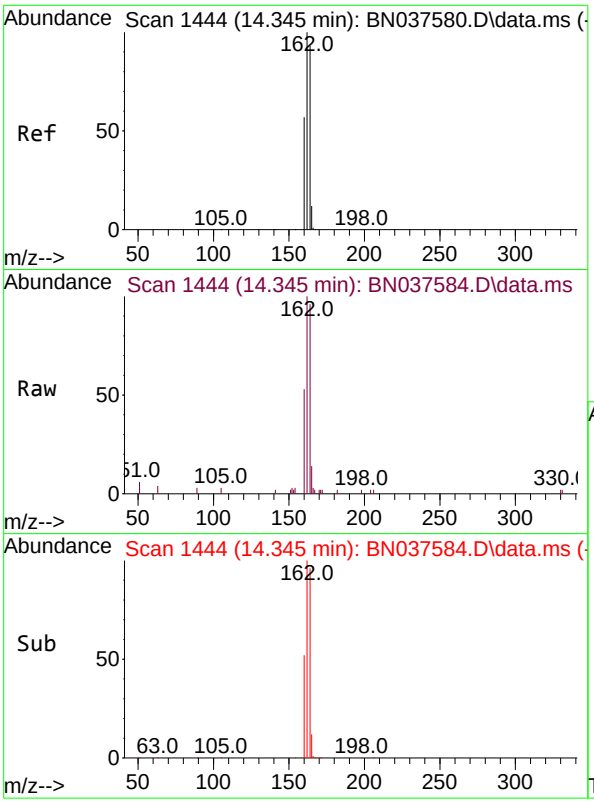


#12
2-Methylnaphthalene
Concen: 5.686 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:142 Resp: 48917

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.4	107.0
115	35.6	30.2	45.4



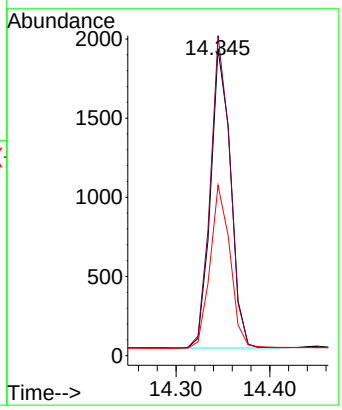


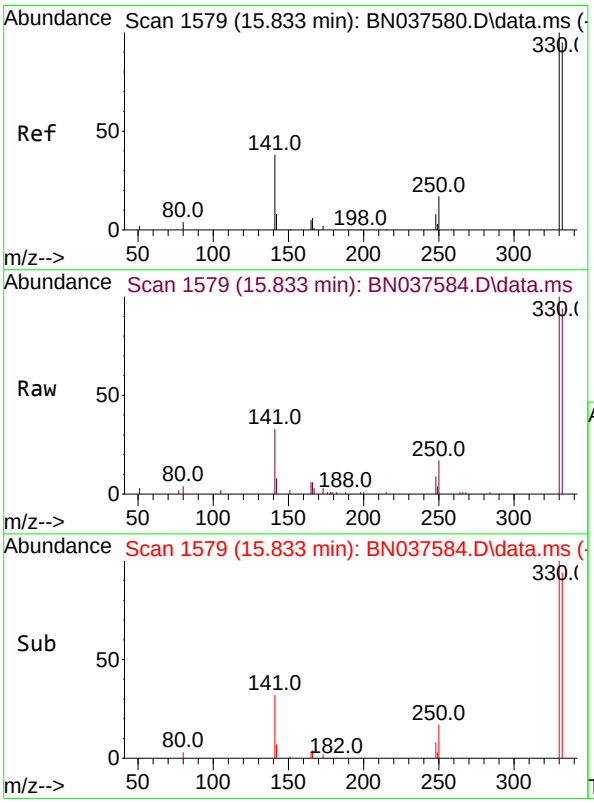
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 2803

Ion	Ratio	Lower	Upper
164	100		
162	104.2	85.5	128.3
160	55.5	49.5	74.3

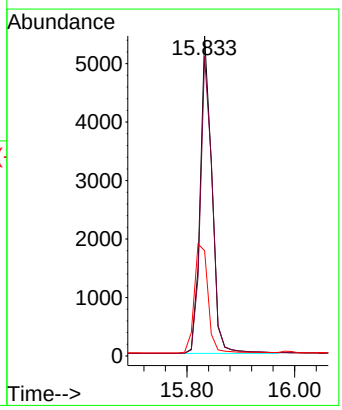


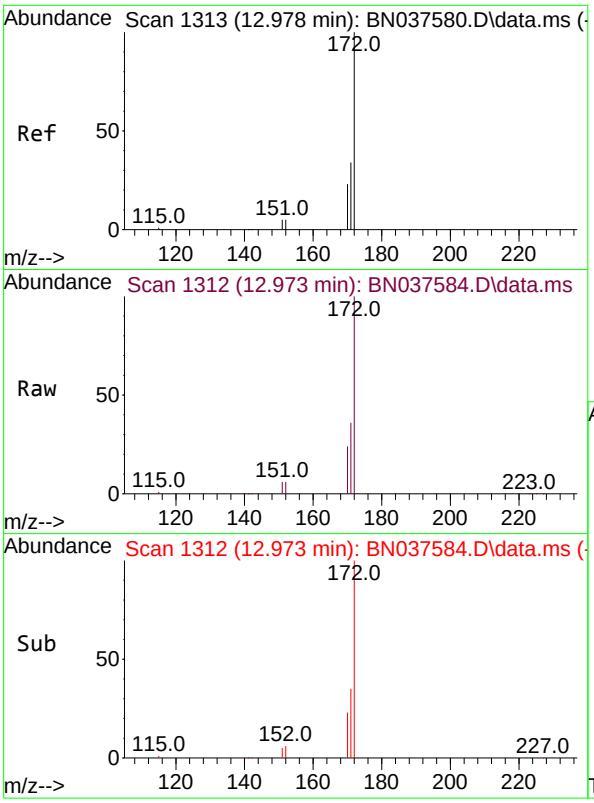


#14
2,4,6-Tribromophenol
Concen: 6.672 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:330 Resp: 8185

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	40.7	30.9	46.3



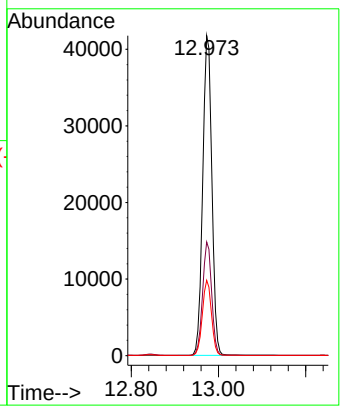


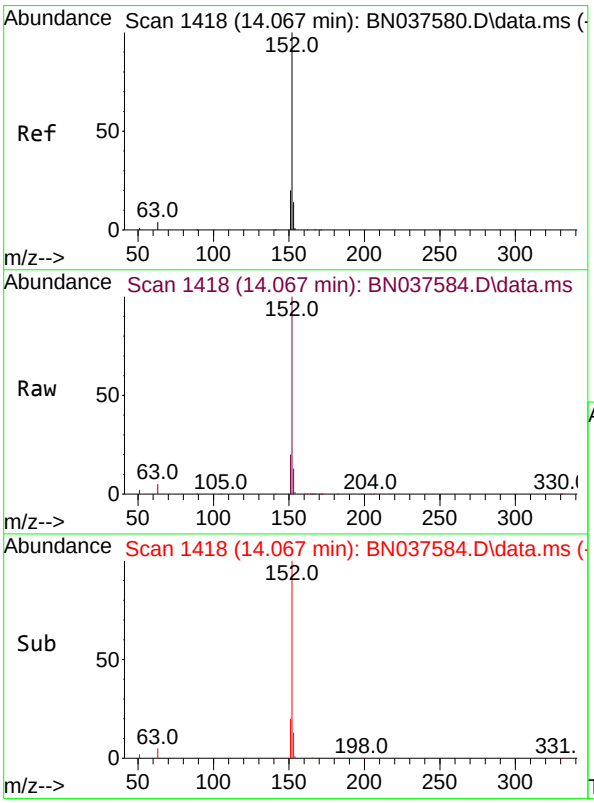
#15
2-Fluorobiphenyl
Concen: 5.273 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 85489

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.6	19.2	28.8

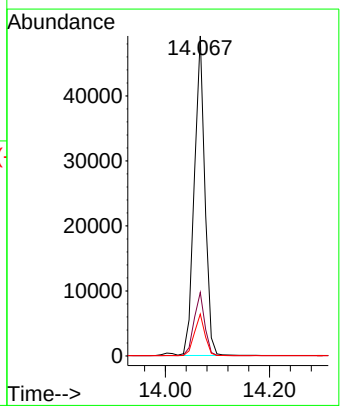


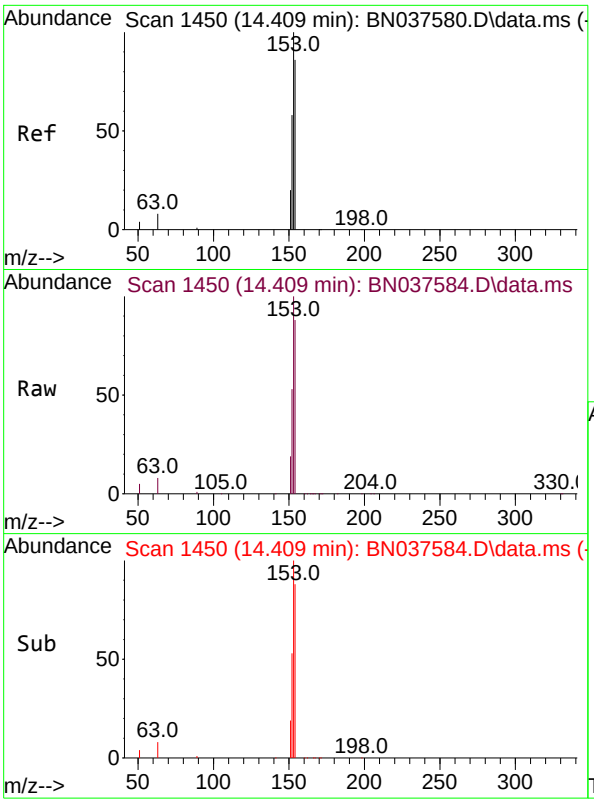


#16
Acenaphthylene
Concen: 5.521 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:152 Resp: 69369

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	12.9	10.7	16.1



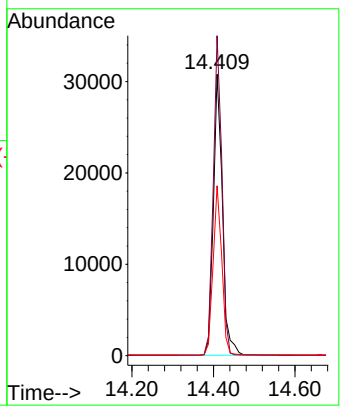


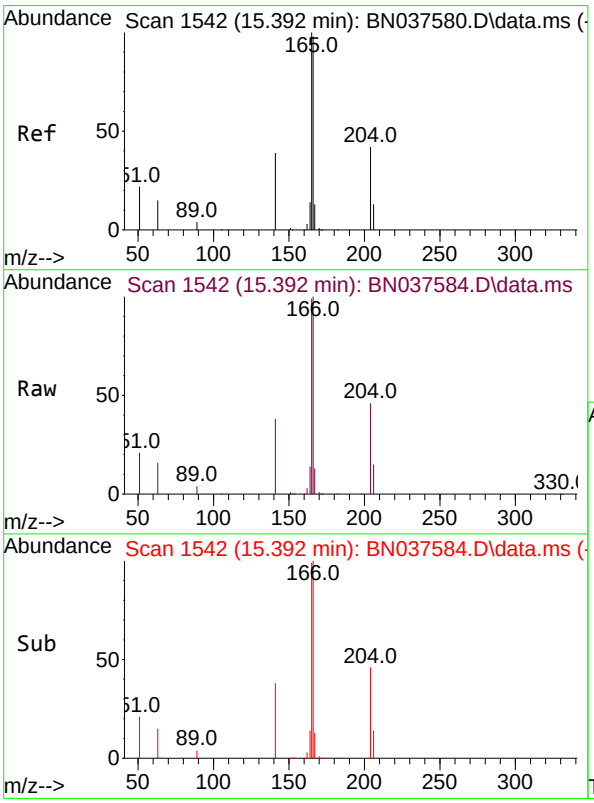
#17
Acenaphthene
Concen: 5.527 ng
RT: 14.409 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 47237

Ion	Ratio	Lower	Upper
154	100		
153	108.5	90.6	135.8
152	58.2	54.9	82.3

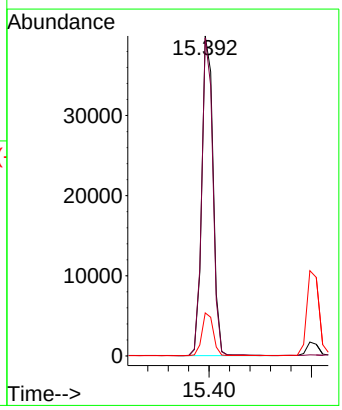


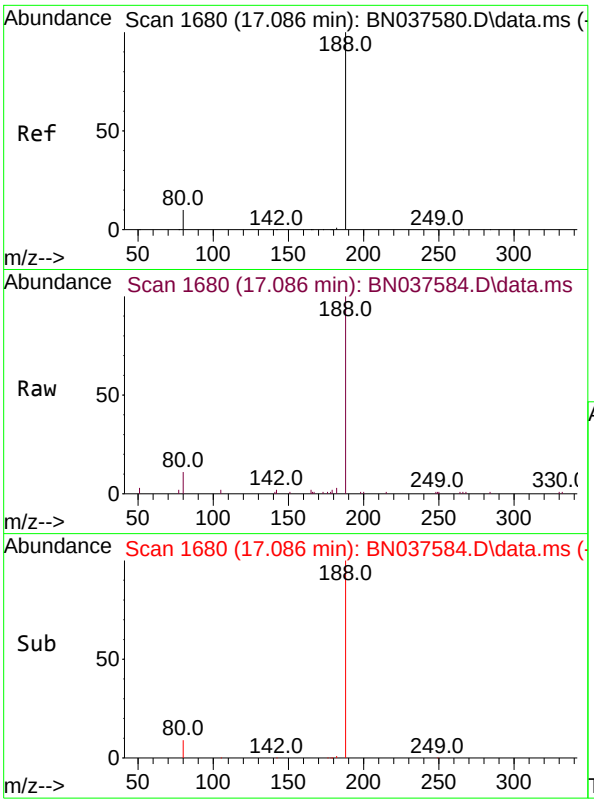


#18
Fluorene
Concen: 5.546 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:166 Resp: 62012

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.9	118.3
167	13.3	10.7	16.1



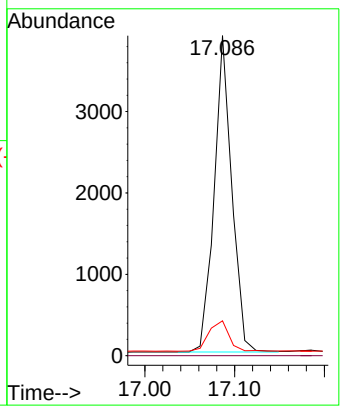


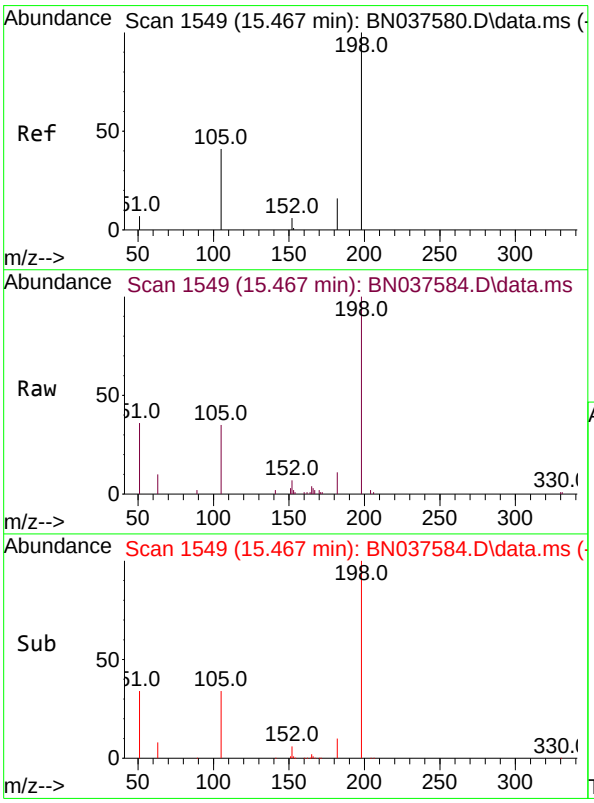
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 5318

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	9.1	13.7

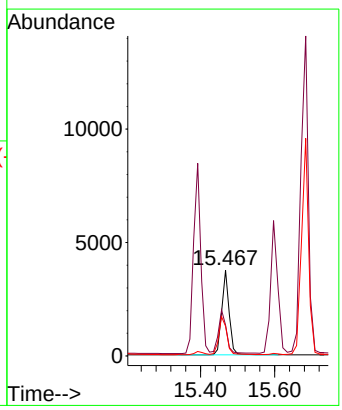


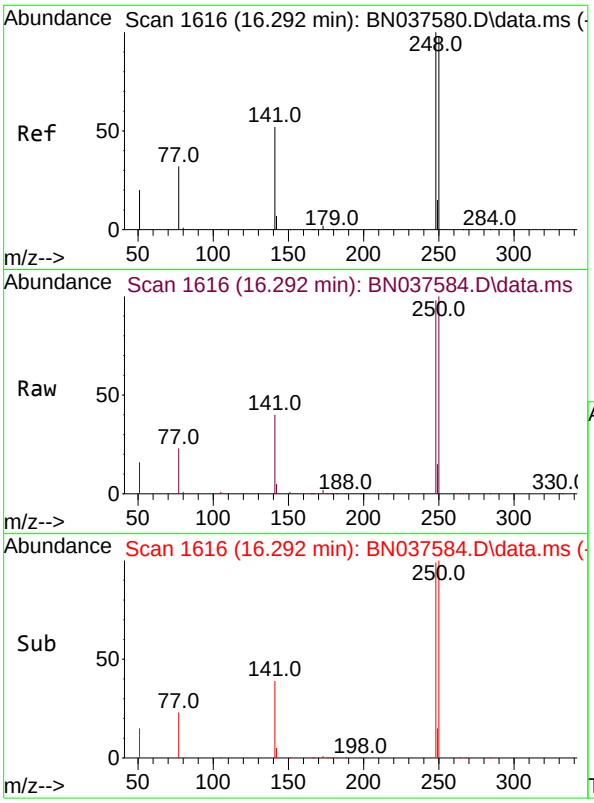


#20
4,6-Dinitro-2-methylphenol
Concen: 5.830 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:198 Resp: 5458

Ion	Ratio	Lower	Upper
198	100		
51	36.1	81.0	121.6#
105	34.8	52.5	78.7#



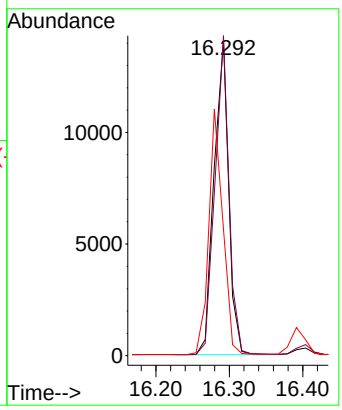


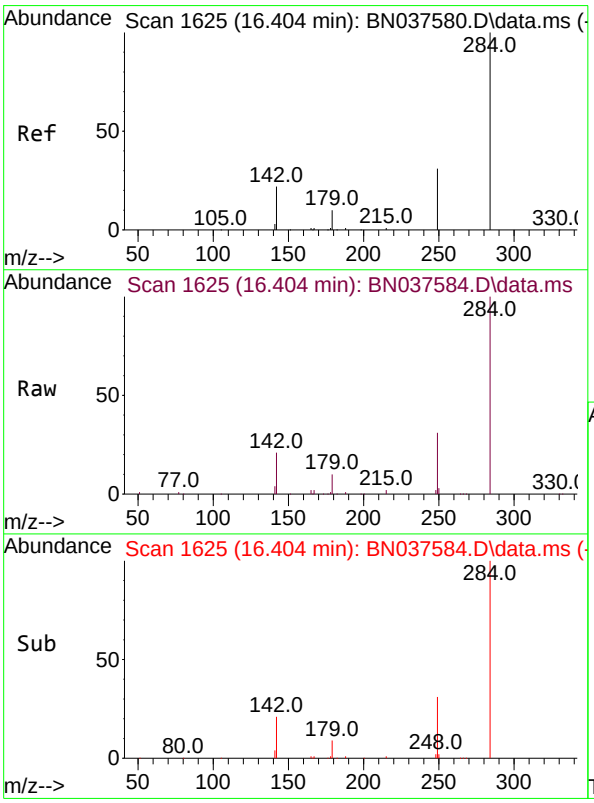
#21
4-Bromophenyl-phenylether
Concen: 5.809 ng
RT: 16.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 19417

Ion	Ratio	Lower	Upper
248	100		
250	101.5	78.6	118.0
141	40.1	43.7	65.5#

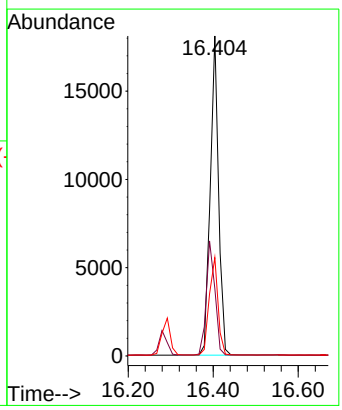


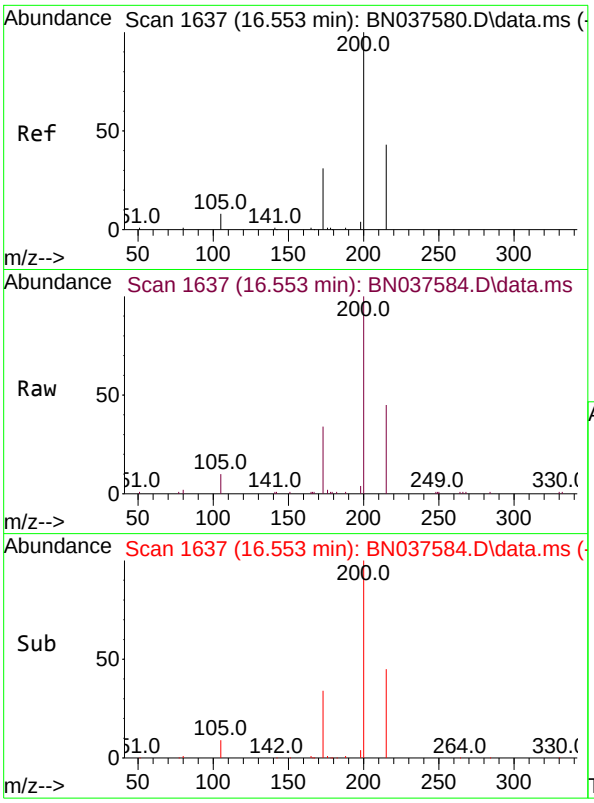


#22
Hexachlorobenzene
Concen: 5.190 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:284 Resp: 24588

Ion	Ratio	Lower	Upper
284	100		
142	37.2	29.8	44.6
249	32.3	26.0	39.0



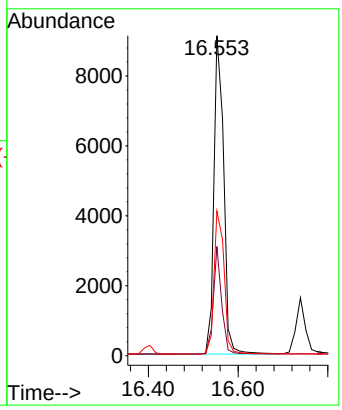


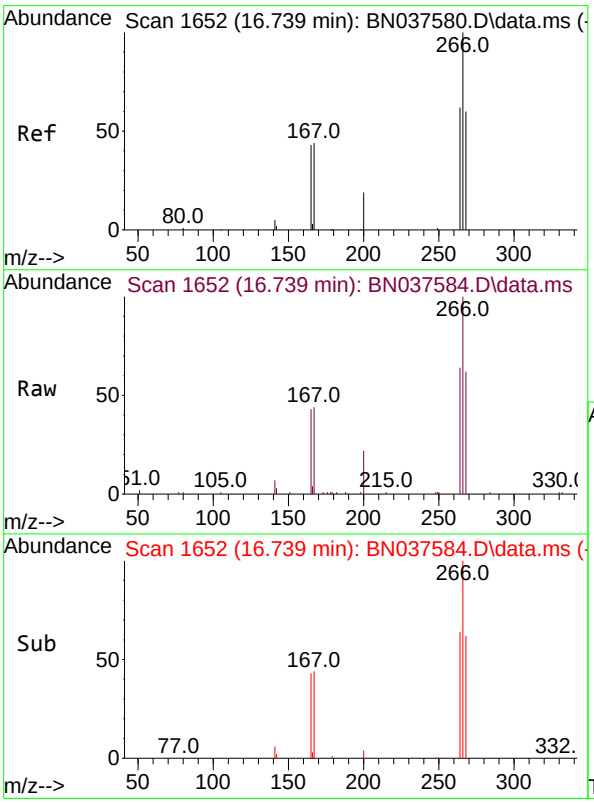
#23
Atrazine
Concen: 7.244 ng
RT: 16.553 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 13689

Ion	Ratio	Lower	Upper
200	100		
173	34.1	31.0	46.4
215	45.1	39.4	59.0

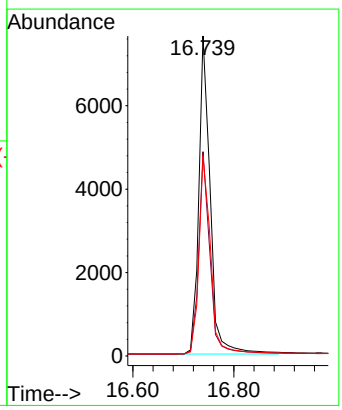


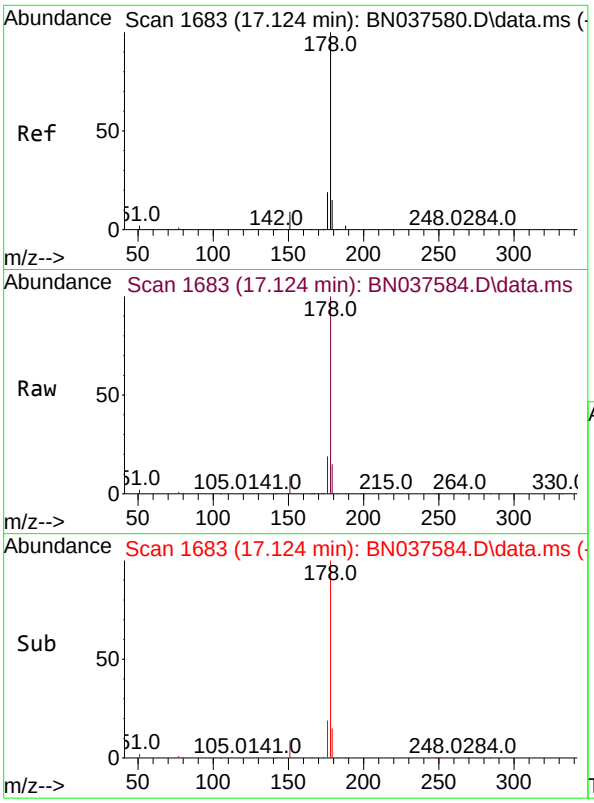


#24
Pentachlorophenol
Concen: 7.214 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:266 Resp: 12004

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.6	74.4
268	63.7	49.2	73.8



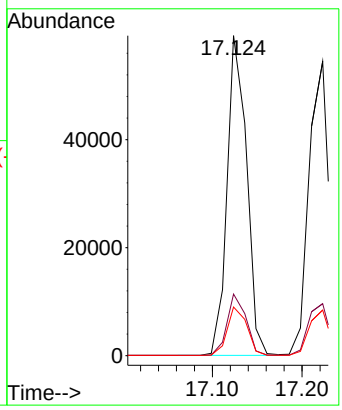


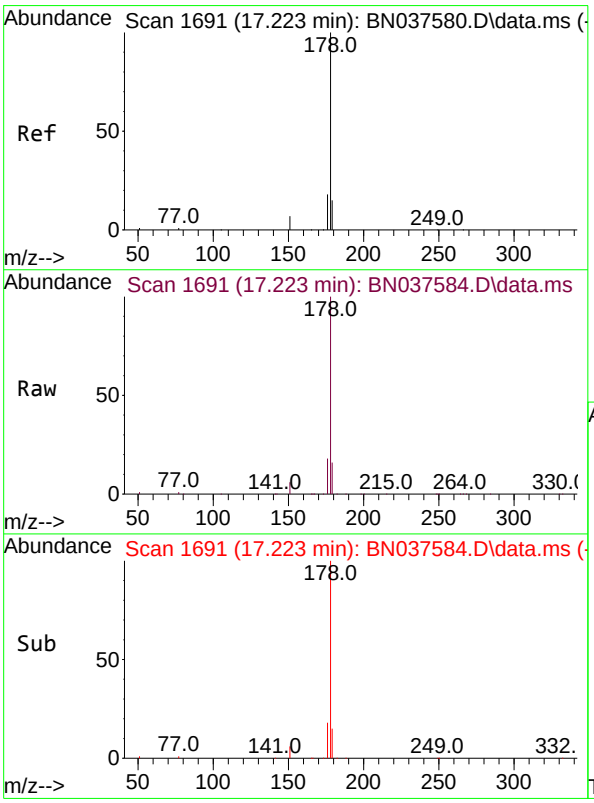
#25
Phenanthrene
Concen: 5.537 ng
RT: 17.124 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 89516

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

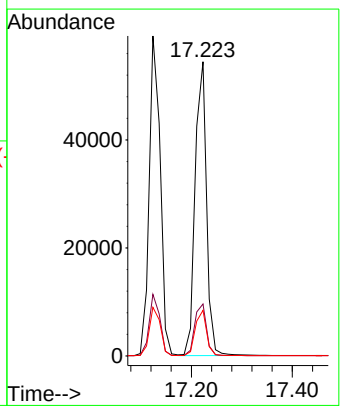


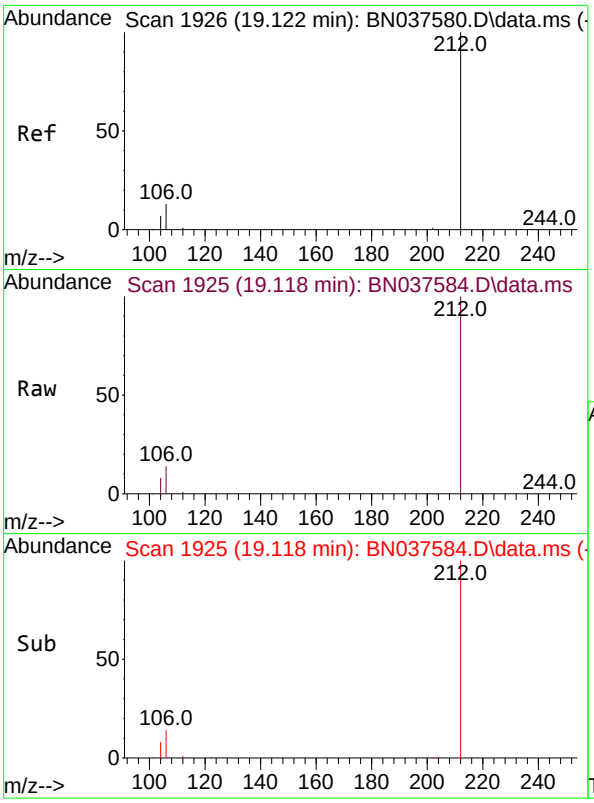


#26
Anthracene
Concen: 5.972 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:178 Resp: 85474

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.4	12.3	18.5



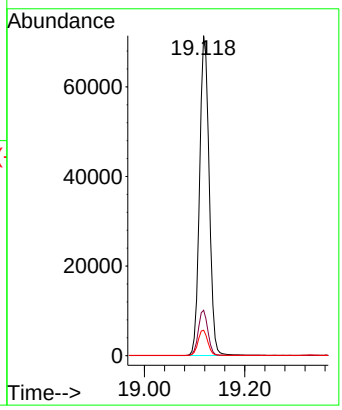


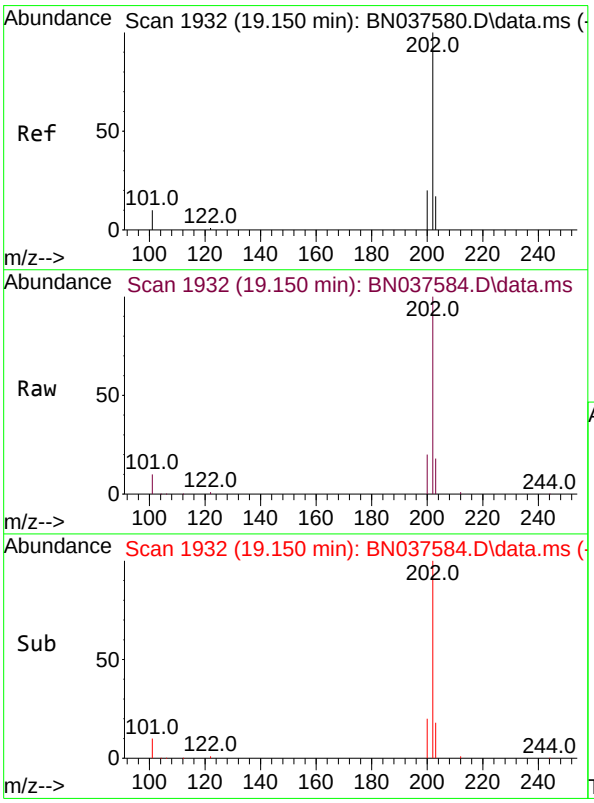
#27
Fluoranthene-d10
Concen: 6.743 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 94332

Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.5	17.3
104	8.0	6.6	9.8

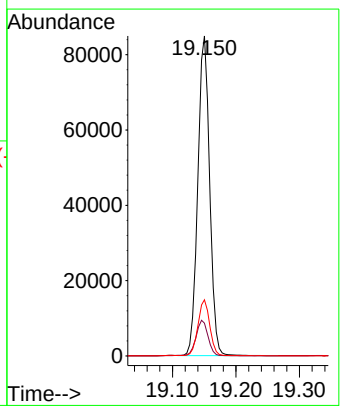


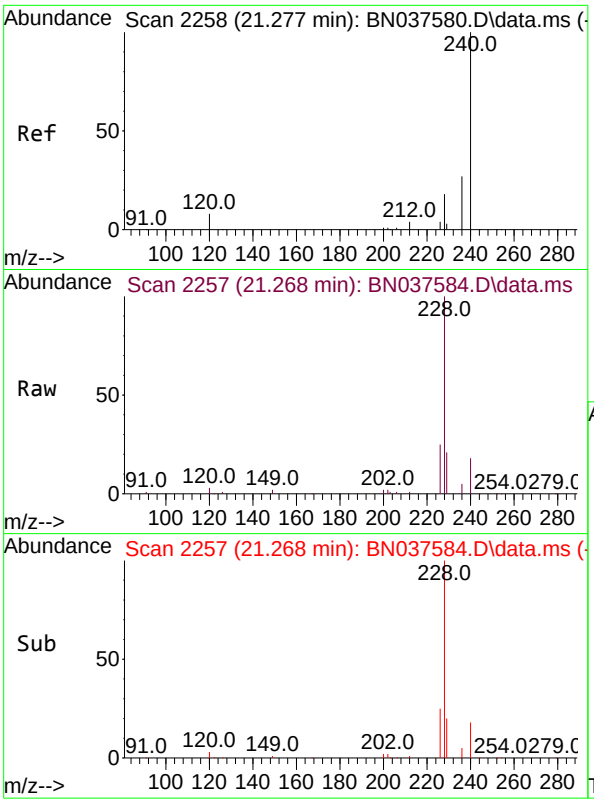


#28
Fluoranthene
Concen: 5.900 ng
RT: 19.150 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:202 Resp: 109583

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.0	13.6
203	17.4	13.8	20.8



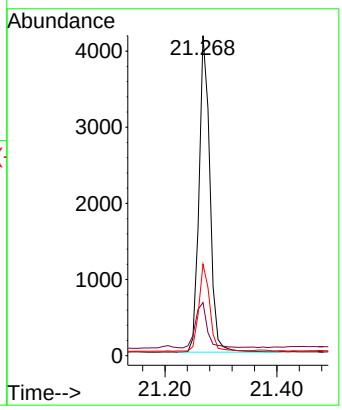


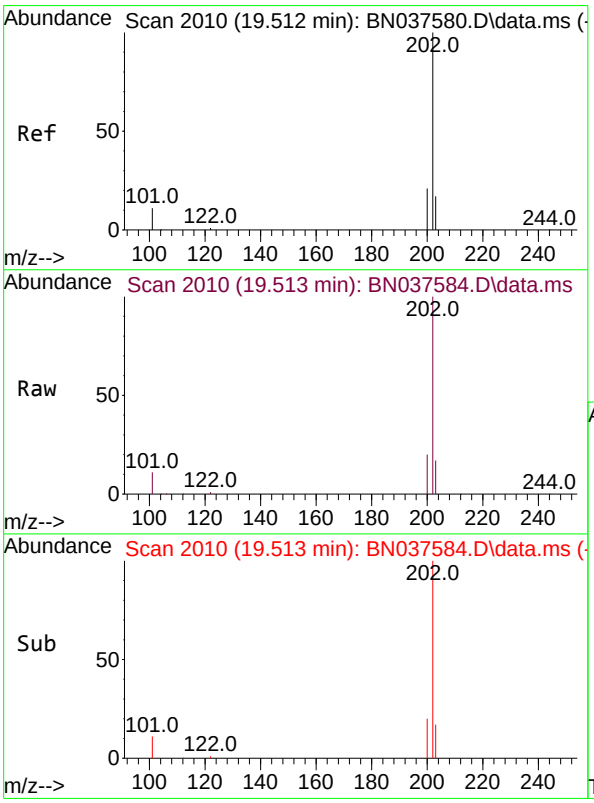
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 5600

Ion	Ratio	Lower	Upper
240	100		
120	16.6	8.9	13.3#
236	28.6	22.6	33.8

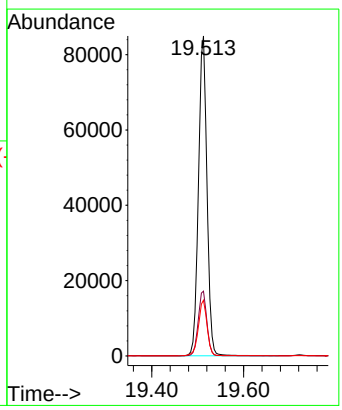


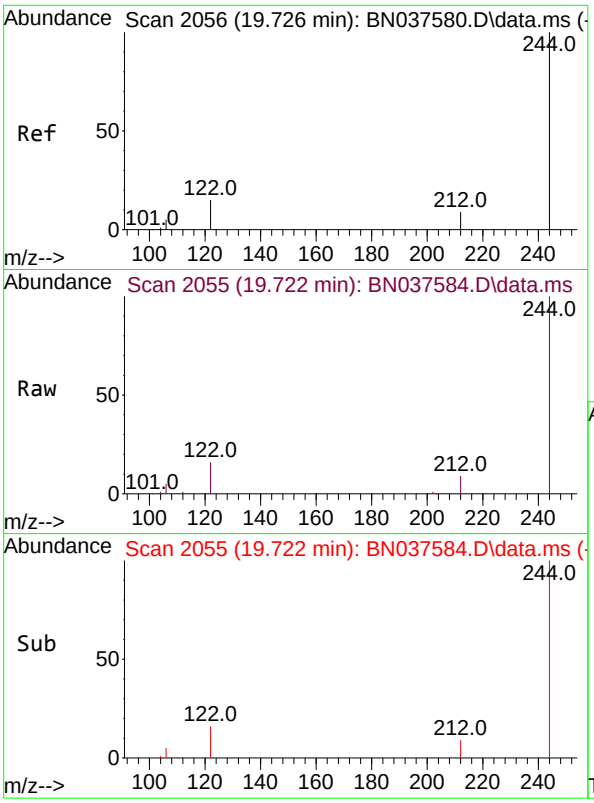


#30
Pyrene
Concen: 5.190 ng
RT: 19.513 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:202 Resp: 108658

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.8	14.3	21.5



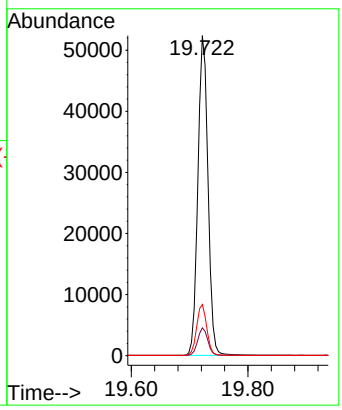


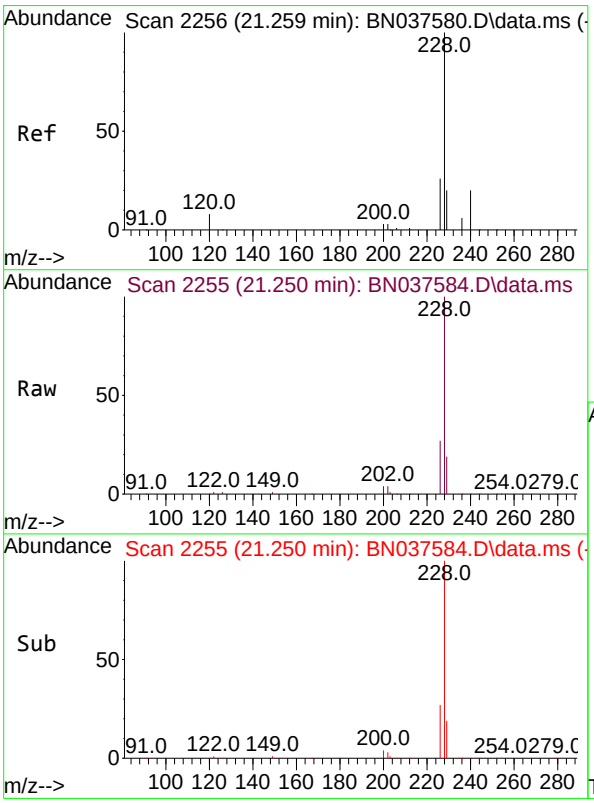
#31
Terphenyl-d14
Concen: 5.477 ng
RT: 19.722 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 63100

Ion	Ratio	Lower	Upper
244	100		
212	8.7	8.2	12.2
122	16.0	13.2	19.8

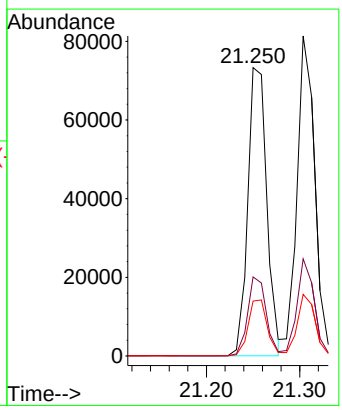


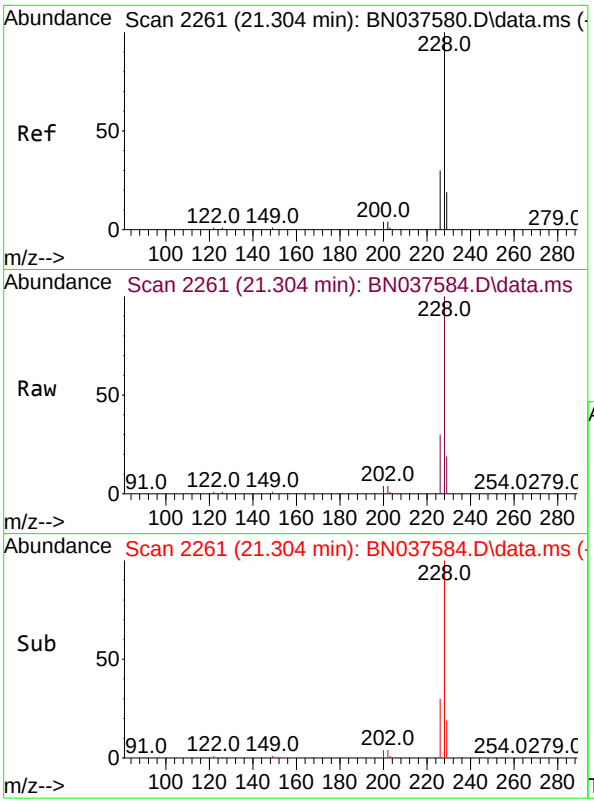


#32
Benzo(a)anthracene
Concen: 5.564 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:228 Resp: 104084

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.5	32.3
229	19.0	16.5	24.7



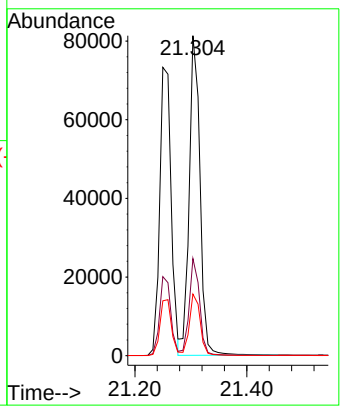


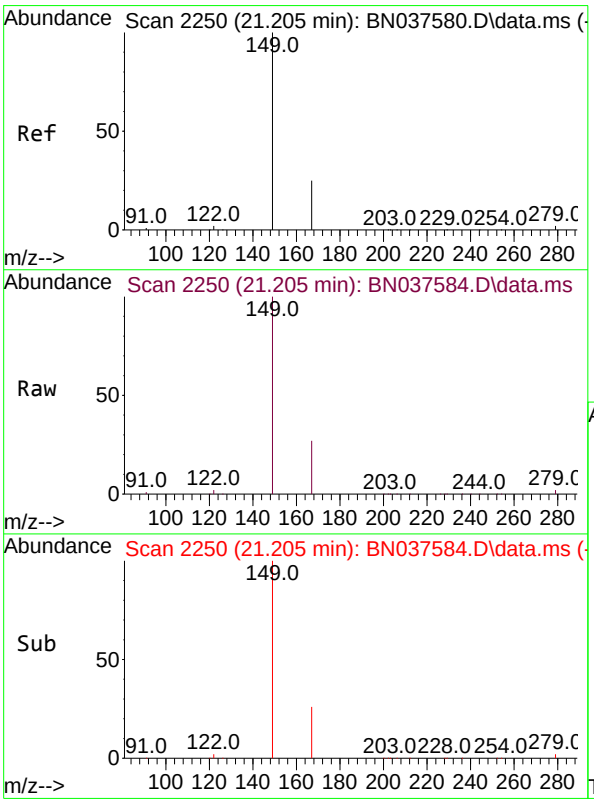
#33
Chrysene
Concen: 5.207 ng
RT: 21.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 108554

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	19.2	15.8	23.8

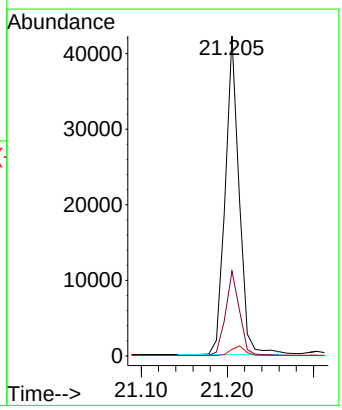


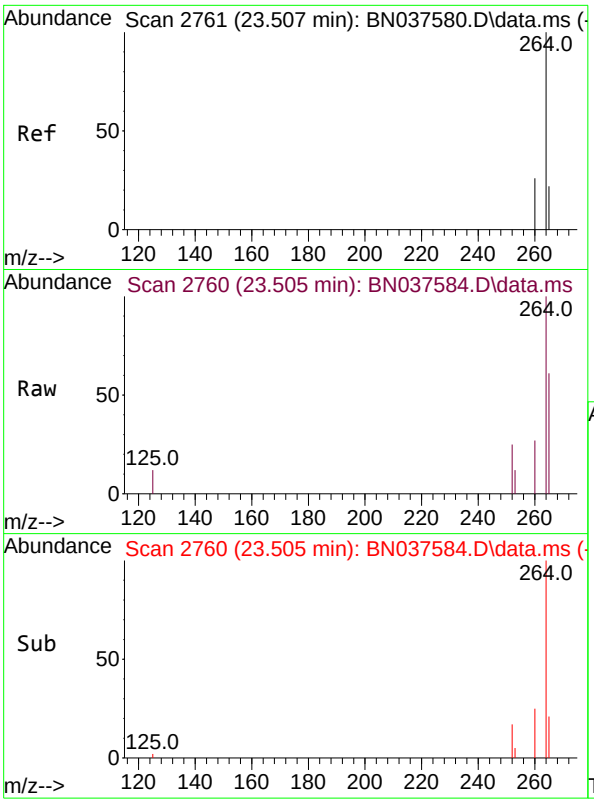


#34
Bis(2-ethylhexyl)phthalate
Concen: 6.087 ng
RT: 21.205 min Scan# 2250
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:149 Resp: 46994

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.5	30.7
279	3.1	2.6	4.0



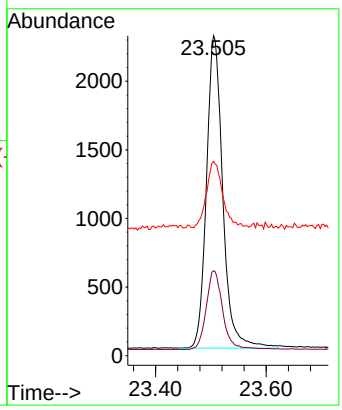


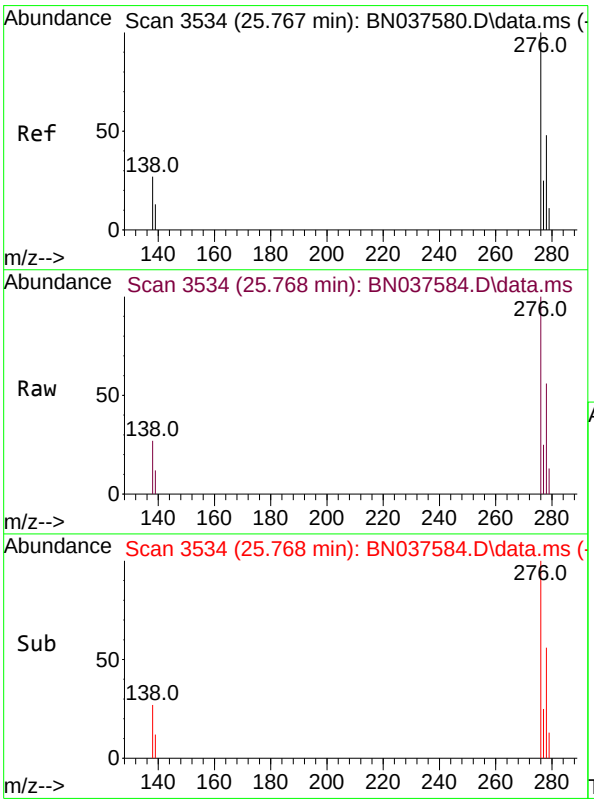
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.505 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 4653

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.6	32.4
265	60.7	48.2	72.4

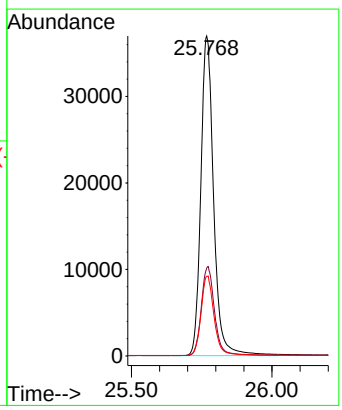


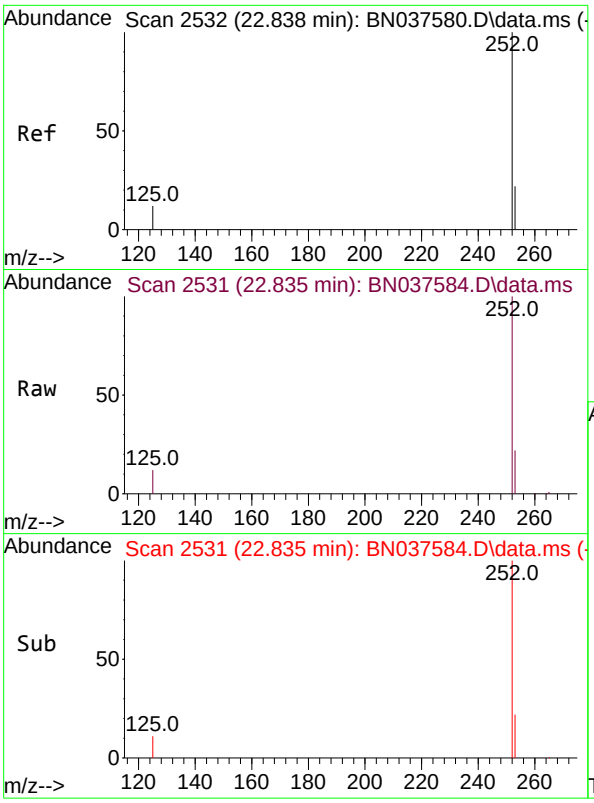


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.965 ng
RT: 25.768 min Scan# 3534
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:276 Resp: 116962

Ion	Ratio	Lower	Upper
276	100		
138	28.5	23.3	34.9
277	25.2	19.5	29.3



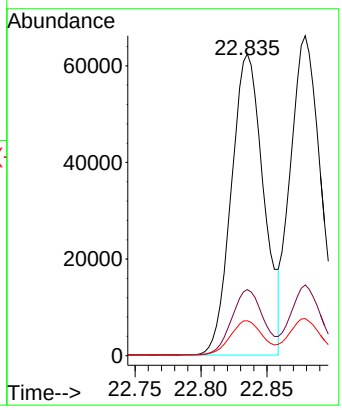


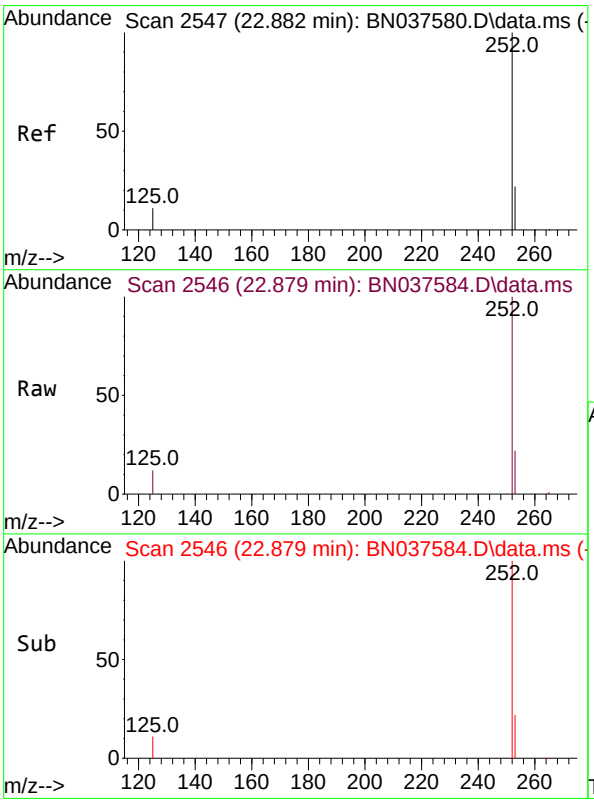
#37
Benzo(b)fluoranthene
Concen: 6.019 ng
RT: 22.835 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 106138

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.0	30.0
125	11.6	13.8	20.6#

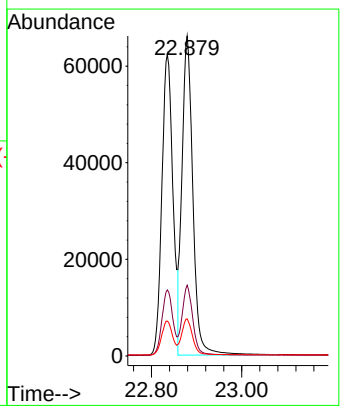


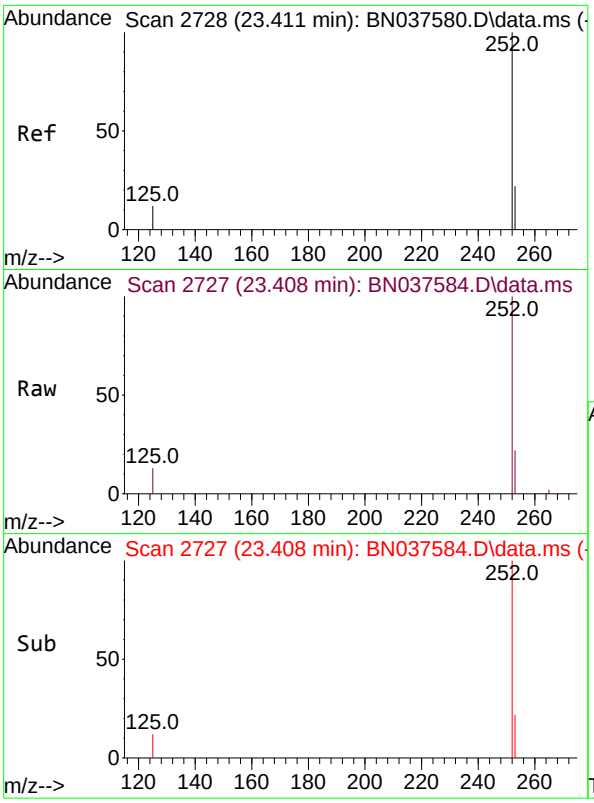


#38
Benzo(k)fluoranthene
Concen: 5.548 ng
RT: 22.879 min Scan# 2546
Delta R.T. -0.003 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:252 Resp: 110373

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.9	29.9
125	11.6	15.0	22.6#



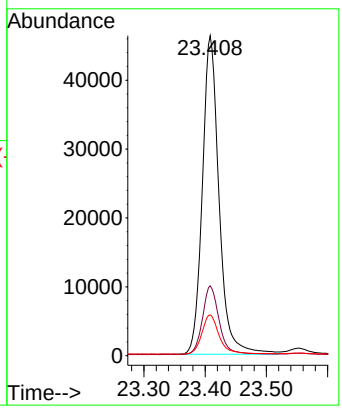


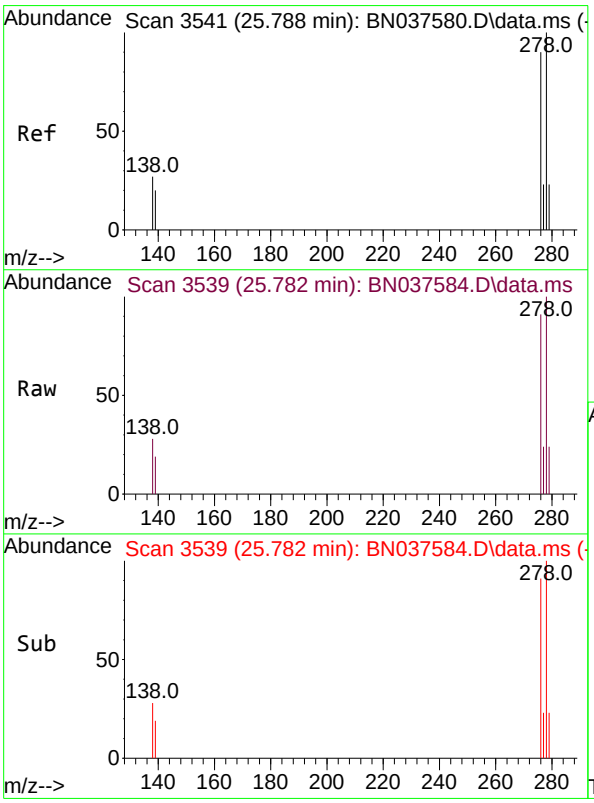
#39
Benzo(a)pyrene
Concen: 5.997 ng
RT: 23.408 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 87699

Ion	Ratio	Lower	Upper
252	100		
253	21.8	21.6	32.4
125	12.8	16.8	25.2#

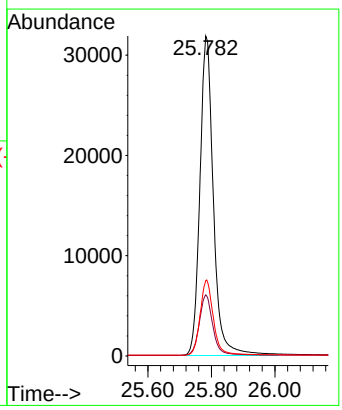


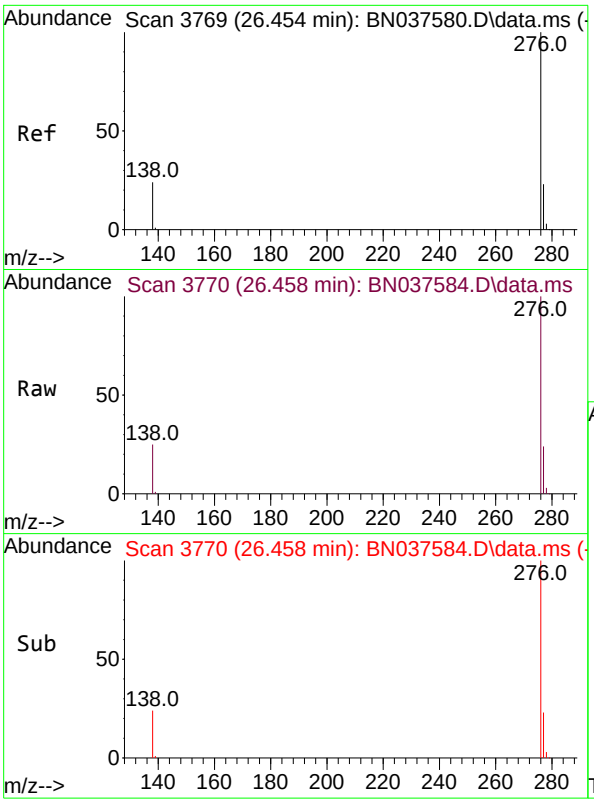


#40
Dibenzo(a,h)anthracene
Concen: 6.197 ng
RT: 25.782 min Scan# 3539
Delta R.T. -0.006 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:278 Resp: 94267

Ion	Ratio	Lower	Upper
278	100		
139	19.1	18.3	27.5
279	23.6	22.5	33.7





#41
Benzo(g,h,i)perylene
Concen: 5.960 ng
RT: 26.458 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 95537

Ion	Ratio	Lower	Upper
276	100		
277	23.6	21.0	31.4
138	24.5	21.7	32.5