Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092625\
Data File : BN037926.D
Acq On : 26 Sep 2025 15:33
Operator : RC/JU
Sample : PB169839BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Quant Time: Sep 26 16:13:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7916	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	21538	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	10549	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	20446	0.400	ng	0.00
29) Chrysene-d12	21.402	240	15023	0.400	ng	0.00
35) Perylene-d12	23.730	264	11354	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	6839	0.379	ng	0.00
5) Phenol-d6	6.973	99	8290	0.349	ng	0.00
8) Nitrobenzene-d5	8.961	82	6123	0.373	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10181	0.340	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1286	0.321	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	15285	0.354	ng	0.00
27) Fluoranthene-d10	19.252	212	17823	0.347	ng	0.00
31) Terphenyl-d14	19.852	244	12398	0.414	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2523	0.314	ng	# 76
3) n-Nitrosodimethylamine	3.600	42	3653	0.342	ng	# 91
6) bis(2-Chloroethyl)ether	7.233	93	8007	0.363	ng	98
9) Naphthalene	10.669	128	21659	0.365	ng	99
10) Hexachlorobutadiene	10.968	225	3928	0.388	ng	# 100
12) 2-Methylnaphthalene	12.288	142	12324	0.318	ng	99
16) Acenaphthylene	14.184	152	19251	0.402	ng	99
17) Acenaphthene	14.537	154	12083	0.354	ng	99
18) Fluorene	15.522	166	14646	0.355	ng	98
20) 4,6-Dinitro-2-methylph...	15.597	198	710	0.339	ng	# 87
21) 4-Bromophenyl-phenylether	16.416	248	4775	0.358	ng	# 90
22) Hexachlorobenzene	16.528	284	6058	0.375	ng	99
23) Atrazine	16.677	200	3316	0.327	ng	# 91
24) Pentachlorophenol	16.875	266	2759	0.498	ng	98
25) Phenanthrene	17.260	178	24878	0.370	ng	100
26) Anthracene	17.347	178	21681	0.371	ng	99
28) Fluoranthene	19.280	202	25215	0.340	ng	99
30) Pyrene	19.643	202	24538	0.414	ng	99
32) Benzo(a)anthracene	21.384	228	20586	0.392	ng	100
33) Chrysene	21.438	228	22493	0.396	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	6468	0.311	ng	98
36) Indeno(1,2,3-cd)pyrene	26.110	276	18674	0.360	ng	98
37) Benzo(b)fluoranthene	23.025	252	19640	0.401	ng	98
38) Benzo(k)fluoranthene	23.072	252	19321	0.392	ng	98
39) Benzo(a)pyrene	23.627	252	15655	0.404	ng	97
40) Dibenzo(a,h)anthracene	26.124	278	14242	0.352	ng	96
41) Benzo(g,h,i)perylene	26.832	276	15967	0.375	ng	98

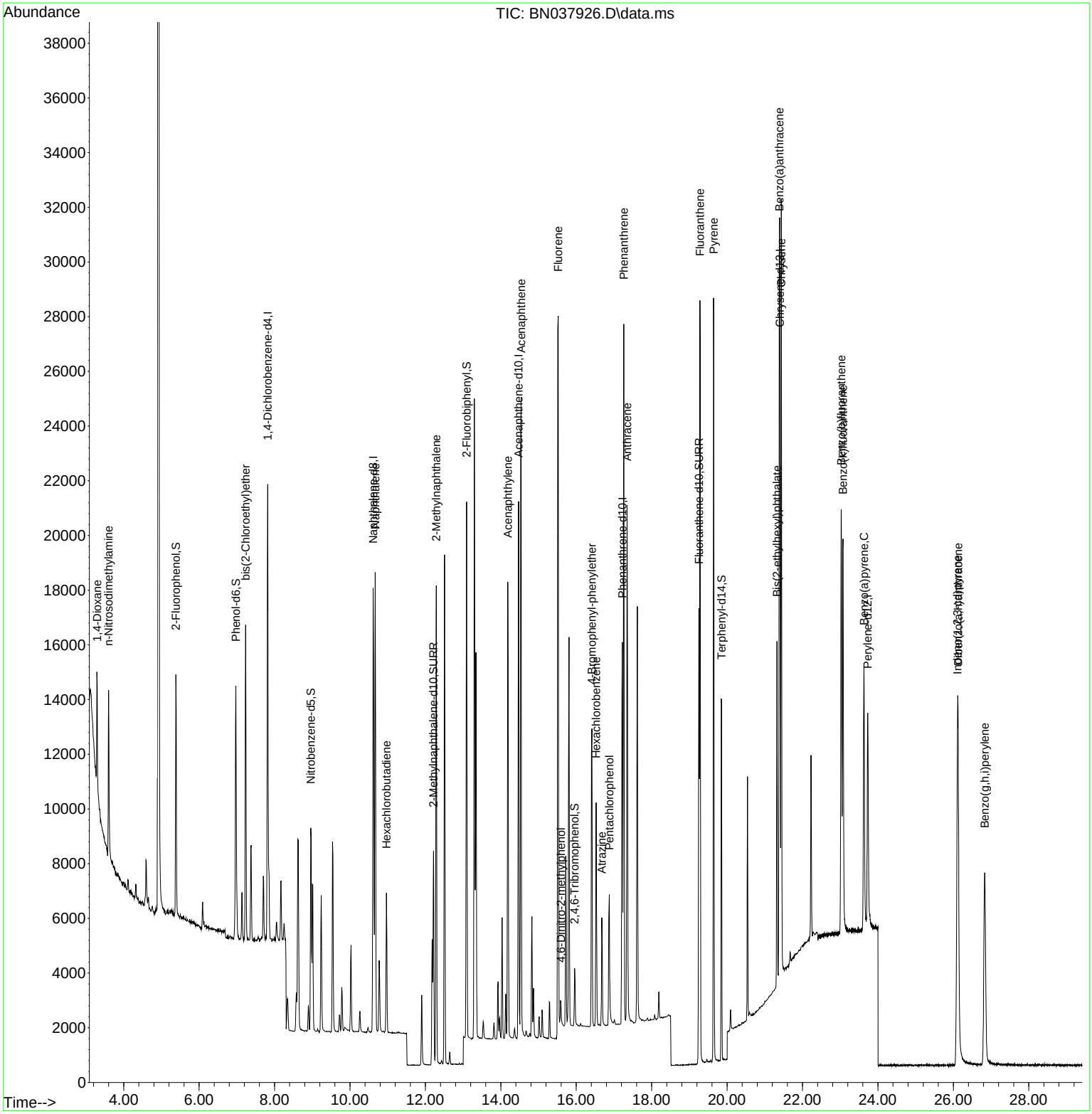
(#) = qualifier out of range (m) = manual integration (+) = signals summed

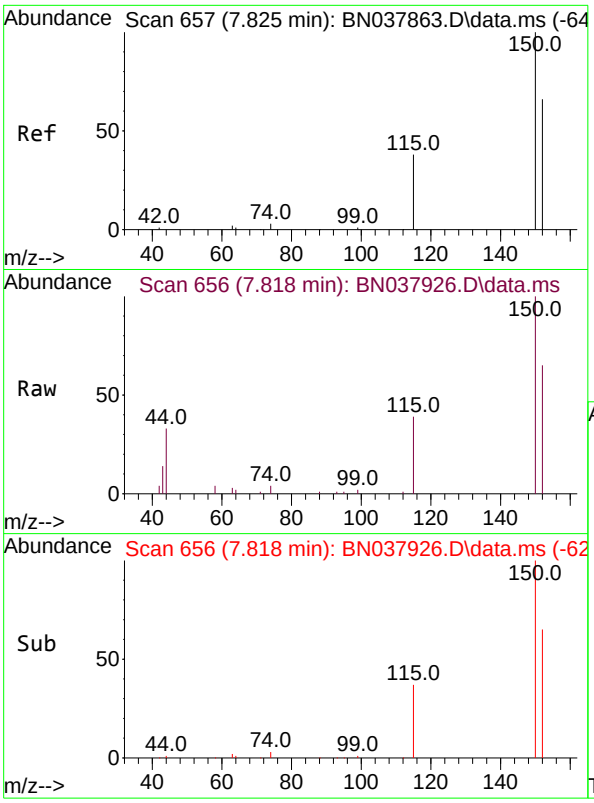
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092625\
Data File : BN037926.D
Acq On : 26 Sep 2025 15:33
Operator : RC/JU
Sample : PB169839BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Quant Time: Sep 26 16:13:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



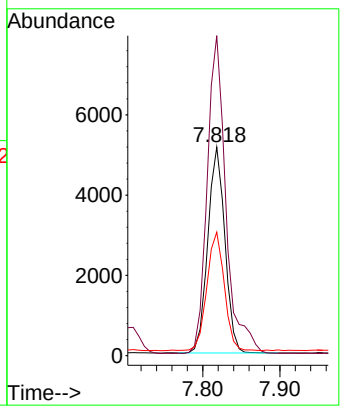


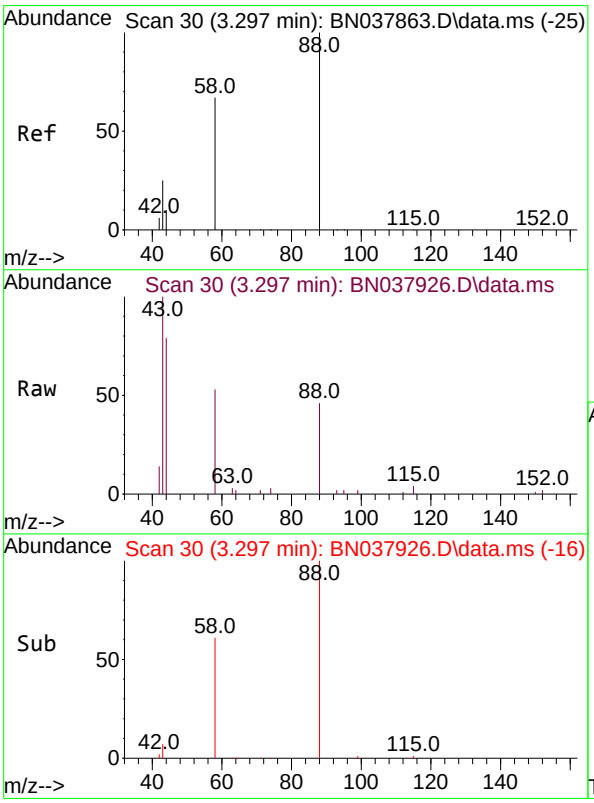
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:152 Resp: 7916

Ion	Ratio	Lower	Upper
152	100		
150	153.4	121.0	181.4
115	59.2	47.4	71.0

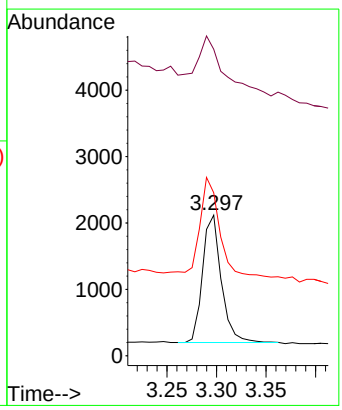


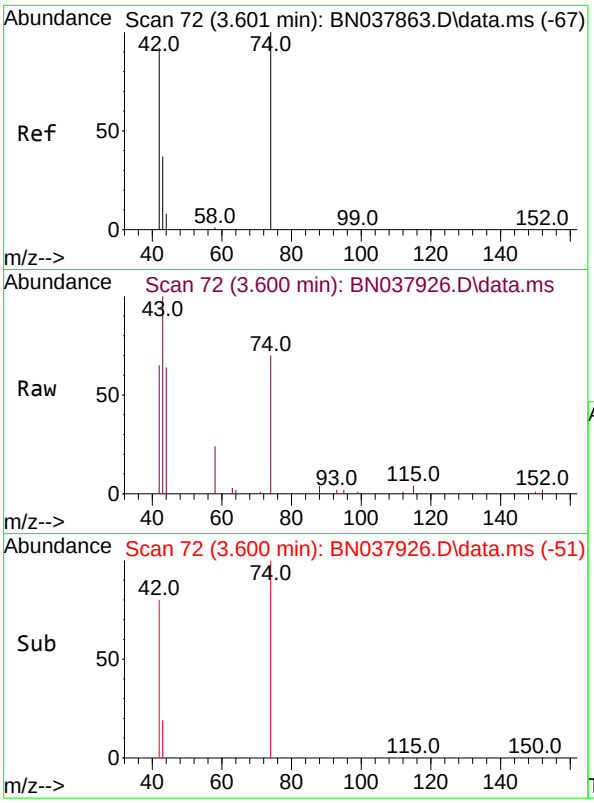


#2
1,4-Dioxane
Concen: 0.314 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion: 88 Resp: 2523

Ion	Ratio	Lower	Upper
88	100		
43	66.9	26.6	39.8#
58	80.3	58.9	88.3



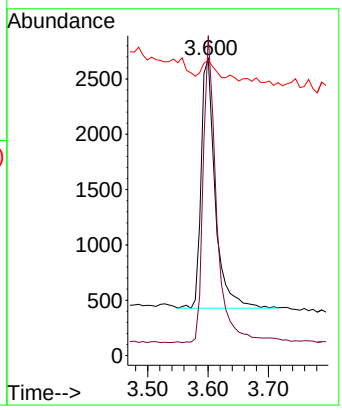


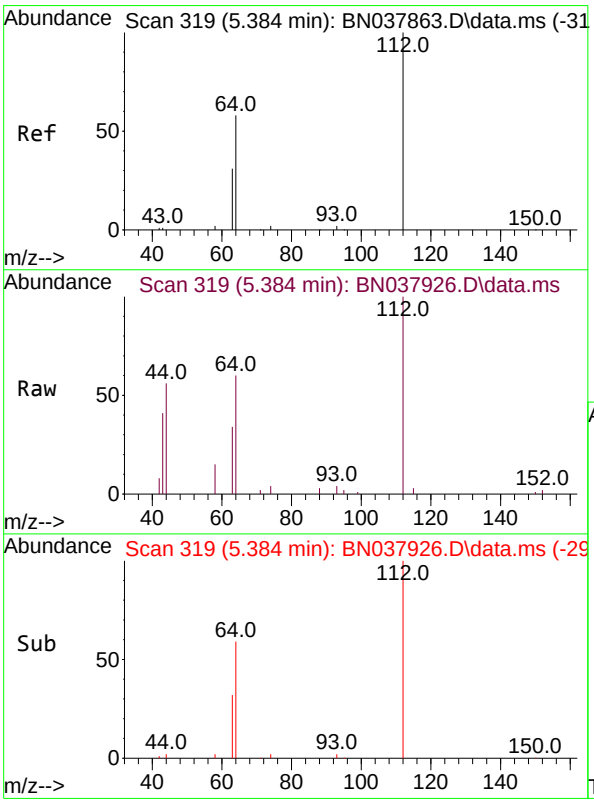
#3
n-Nitrosodimethylamine
Concen: 0.342 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion: 42 Resp: 3653

Ion	Ratio	Lower	Upper
42	100		
74	117.5	93.4	140.0
44	5.7	22.2	33.4#

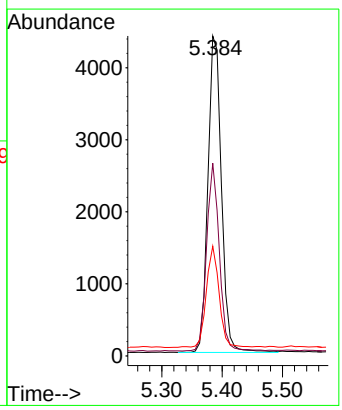


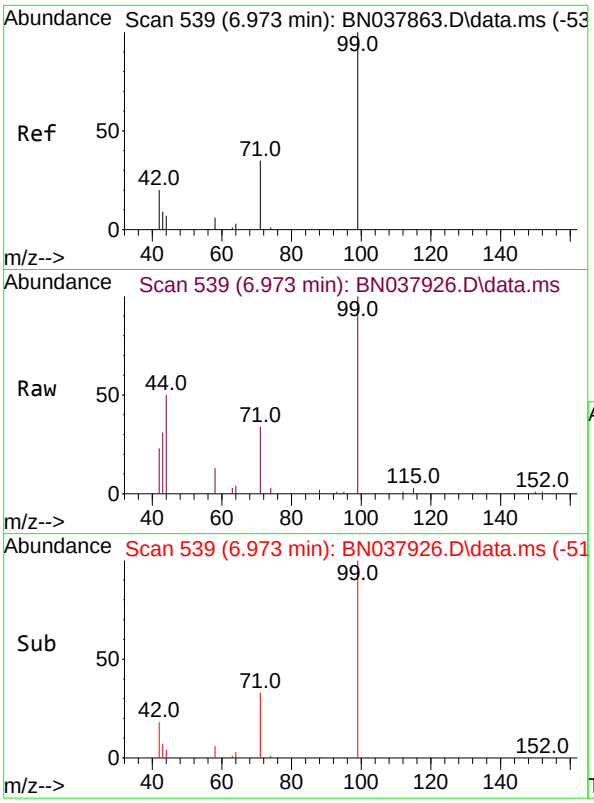


#4
2-Fluorophenol
Concen: 0.379 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:112 Resp: 6839

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	30.4	24.9	37.3



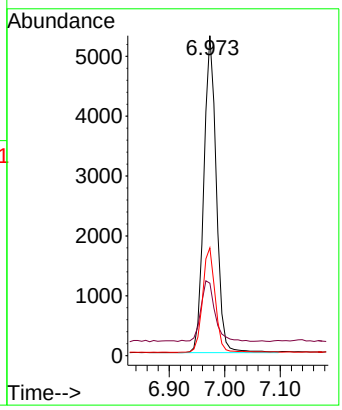


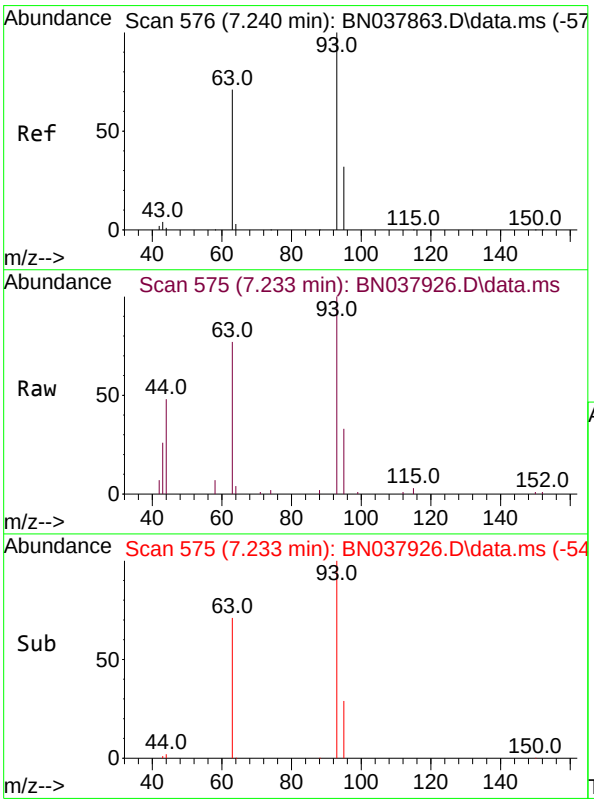
#5
Phenol-d6
Concen: 0.349 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion: 99 Resp: 8290

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.2	25.8
71	33.4	27.3	40.9

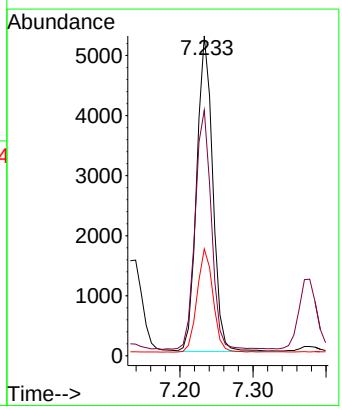


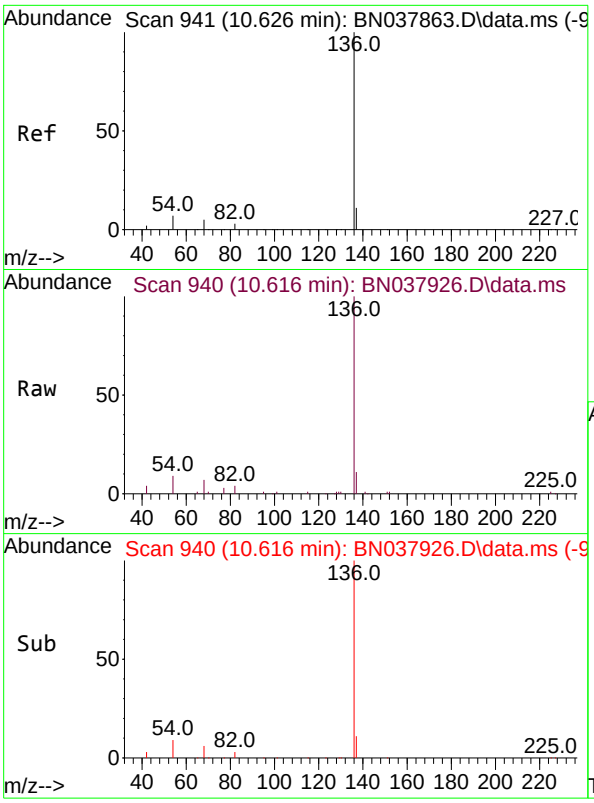


#6
bis(2-Chloroethyl)ether
Concen: 0.363 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion: 93 Resp: 8007

Ion	Ratio	Lower	Upper
93	100		
63	76.8	60.1	90.1
95	32.5	25.4	38.2



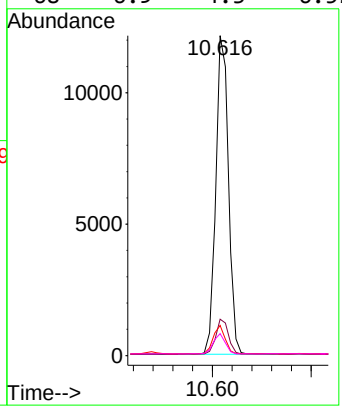


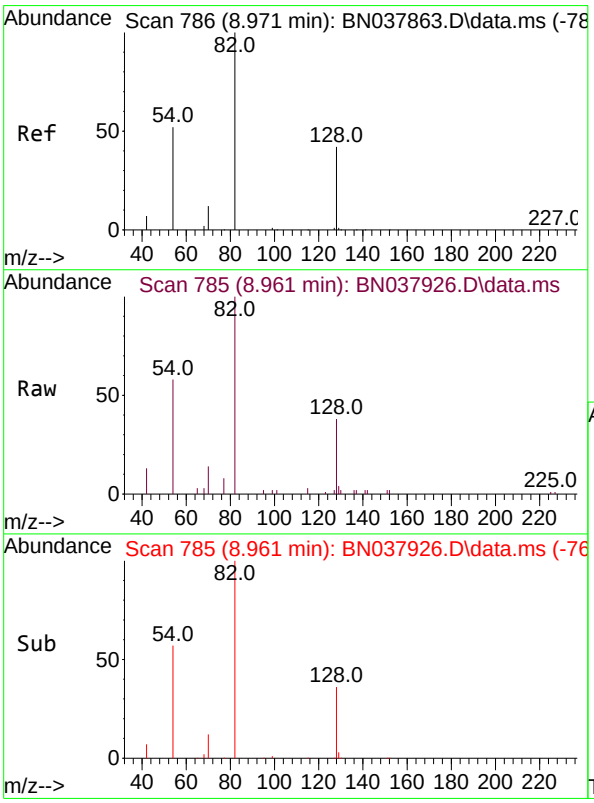
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:136 Resp: 21538

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.4	5.8	8.8#
68	6.9	4.3	6.5#

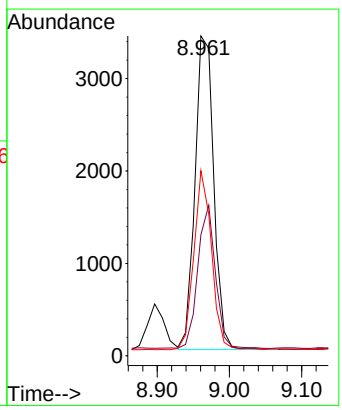


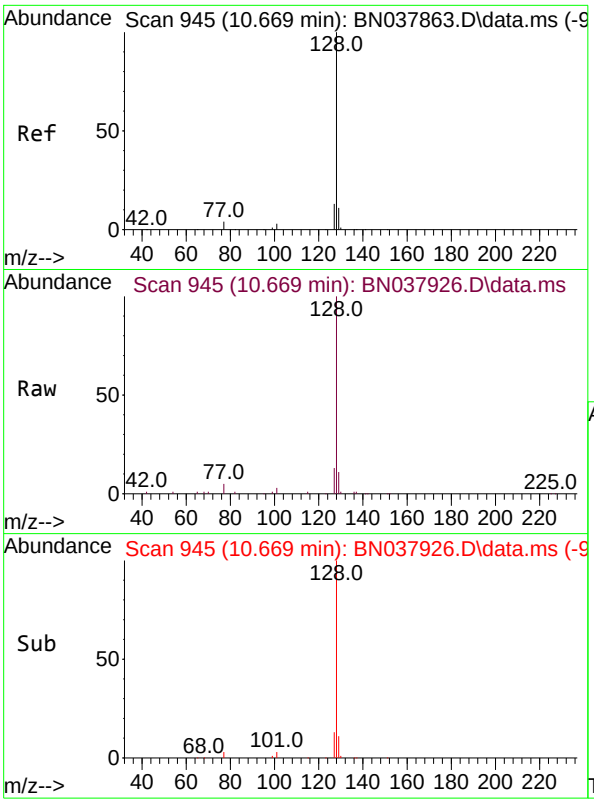


#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion: 82 Resp: 6123

Ion	Ratio	Lower	Upper
82	100		
128	37.9	34.8	52.2
54	57.9	42.2	63.2



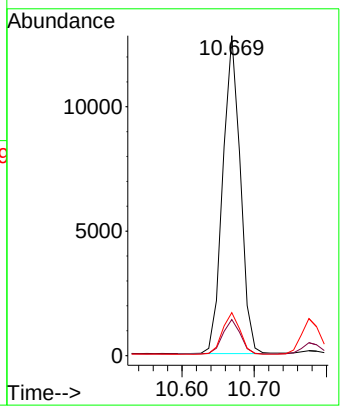


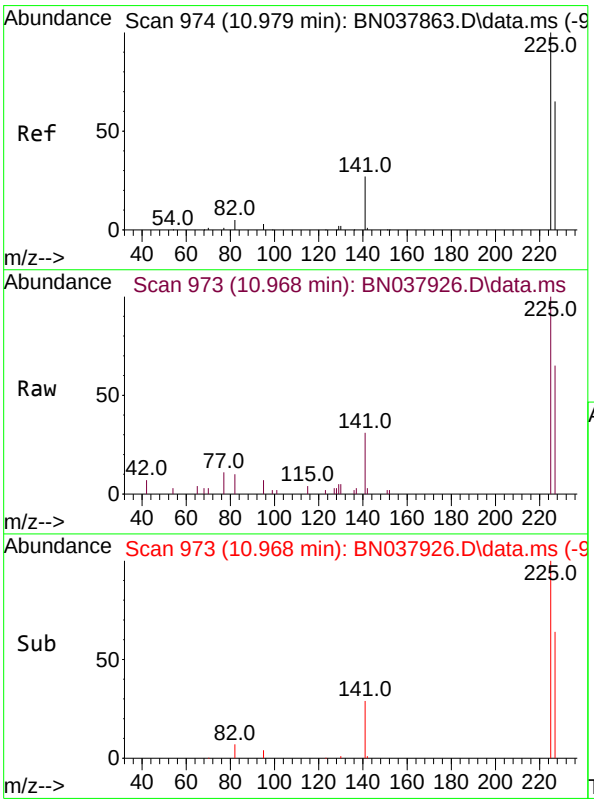
#9
Naphthalene
Concen: 0.365 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:128 Resp: 21659

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.4	11.0	16.6

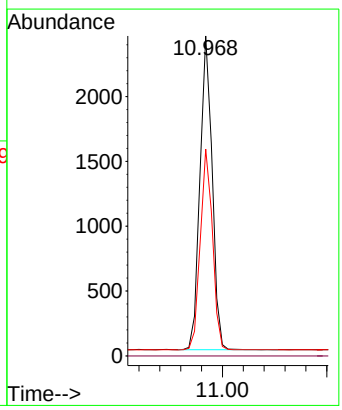


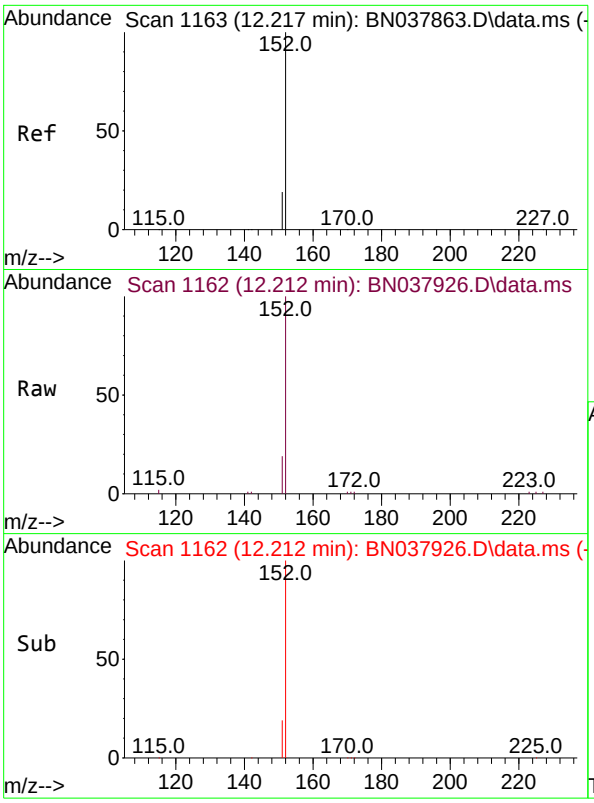


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:225 Resp: 3928

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.4	77.2



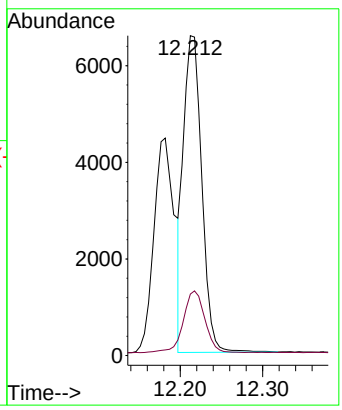


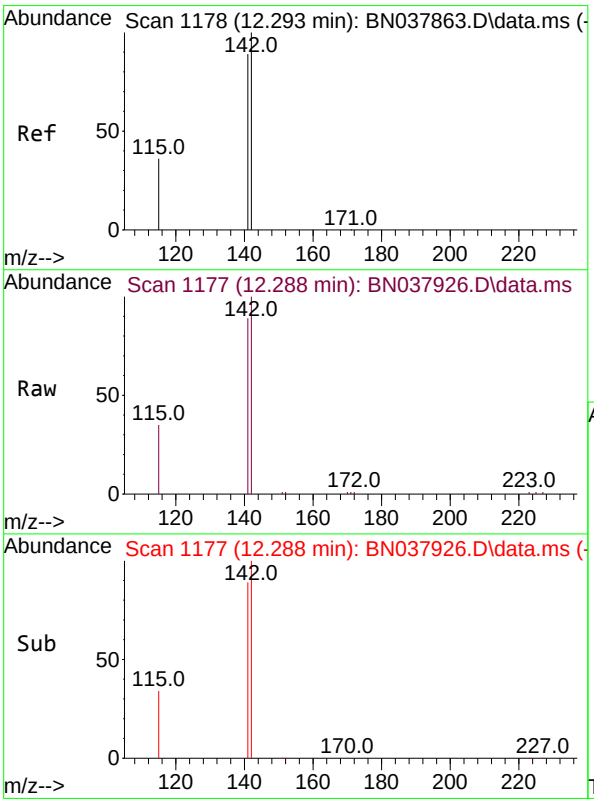
#11
2-Methylnaphthalene-d10
Concen: 0.340 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:152 Resp: 10181

Ion	Ratio	Lower	Upper
152	100		
151	23.1	17.4	26.2

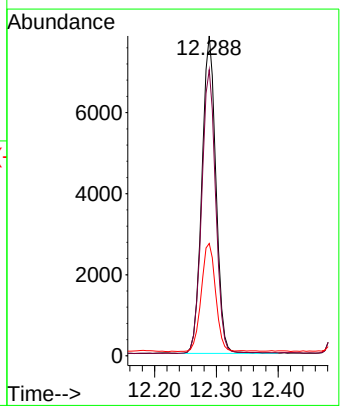


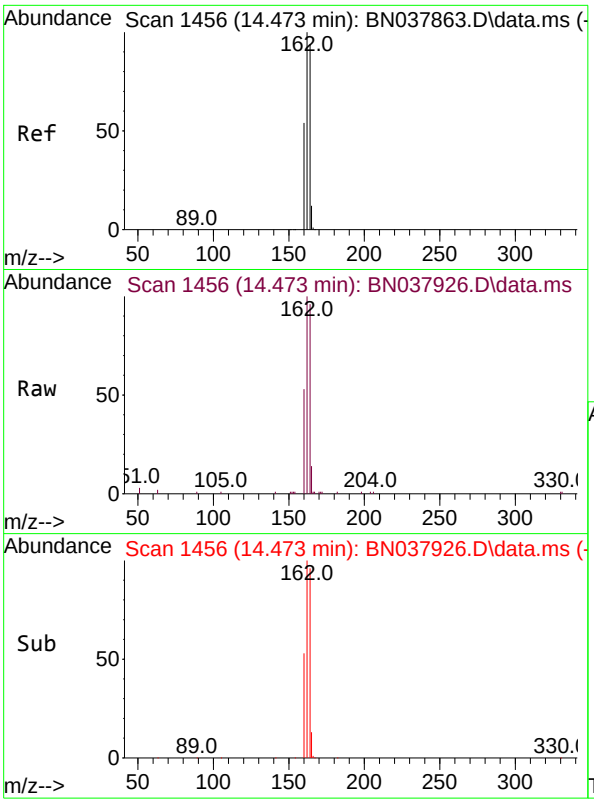


#12
2-Methylnaphthalene
Concen: 0.318 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:142 Resp: 12324

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.2	106.8
115	35.1	29.7	44.5



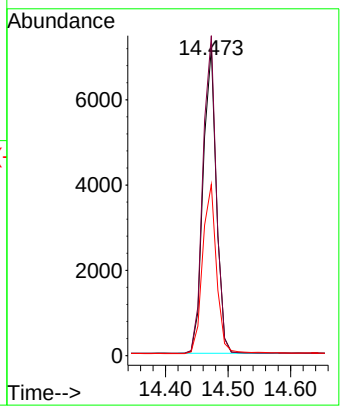


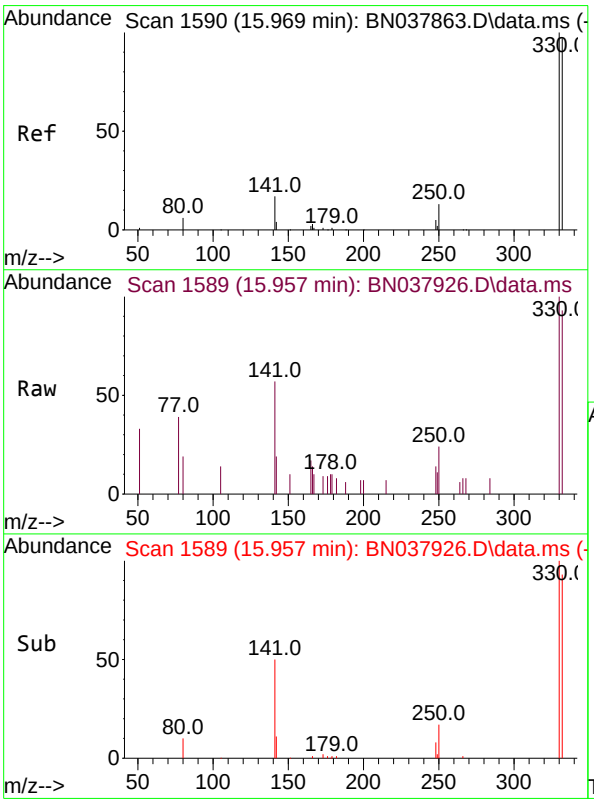
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:164 Resp: 10549

Ion	Ratio	Lower	Upper
164	100		
162	104.1	84.8	127.2
160	55.6	46.1	69.1

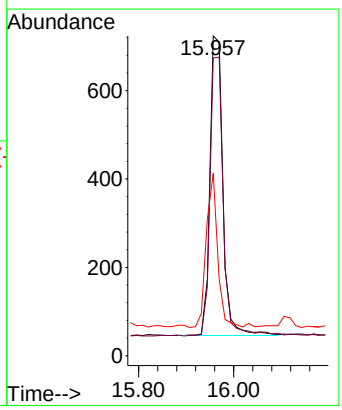


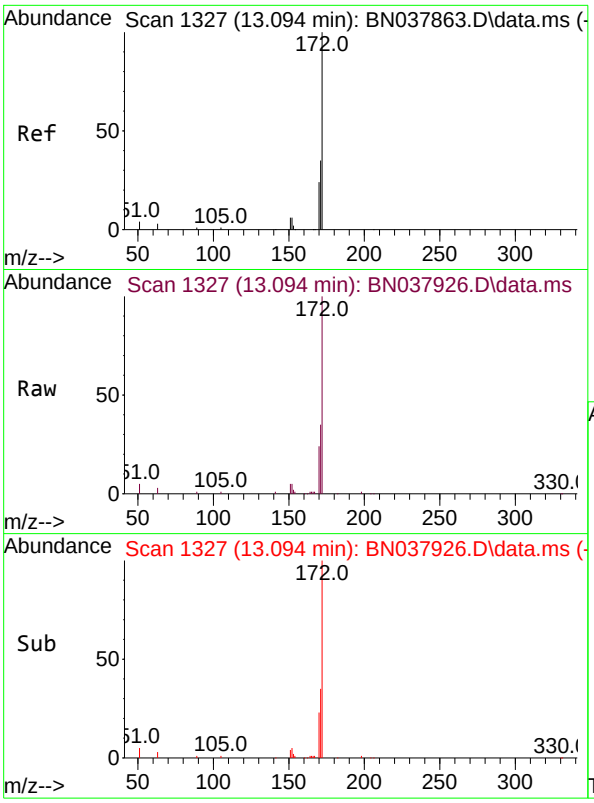


#14
2,4,6-Tribromophenol
Concen: 0.321 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:330 Resp: 1286

Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.2	115.8
141	44.8	37.2	55.8



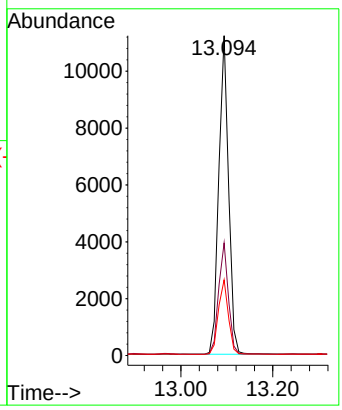


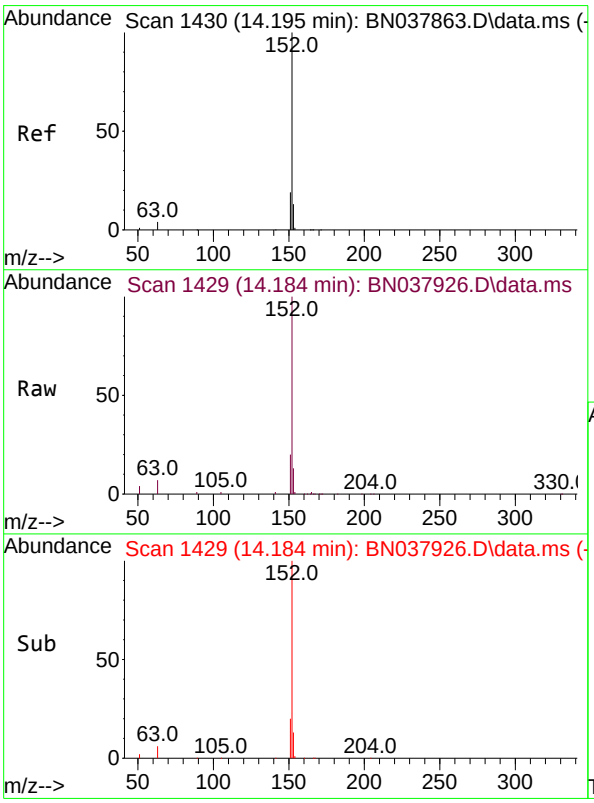
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:172 Resp: 15285

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.7	19.7	29.5

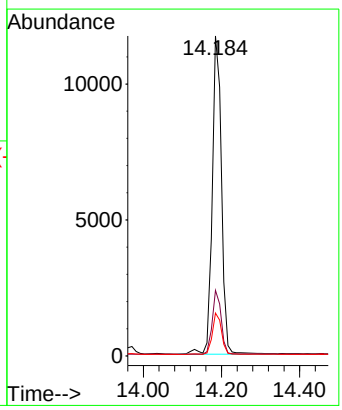


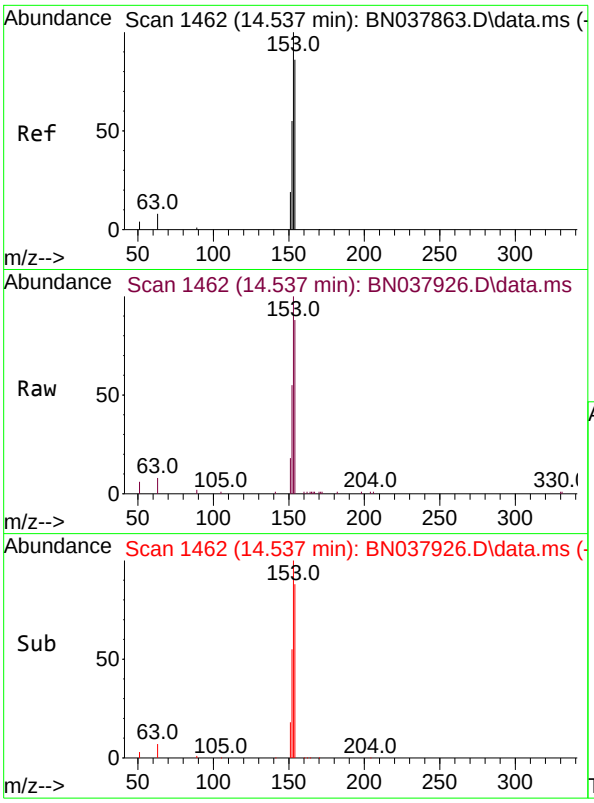


#16
Acenaphthylene
Concen: 0.402 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:152 Resp: 19251

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.1	10.5	15.7



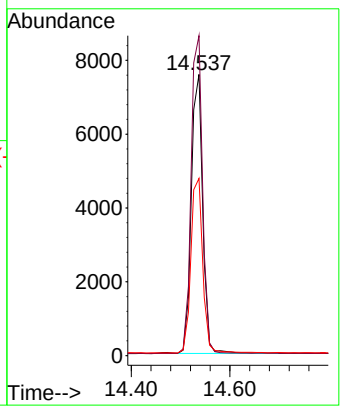


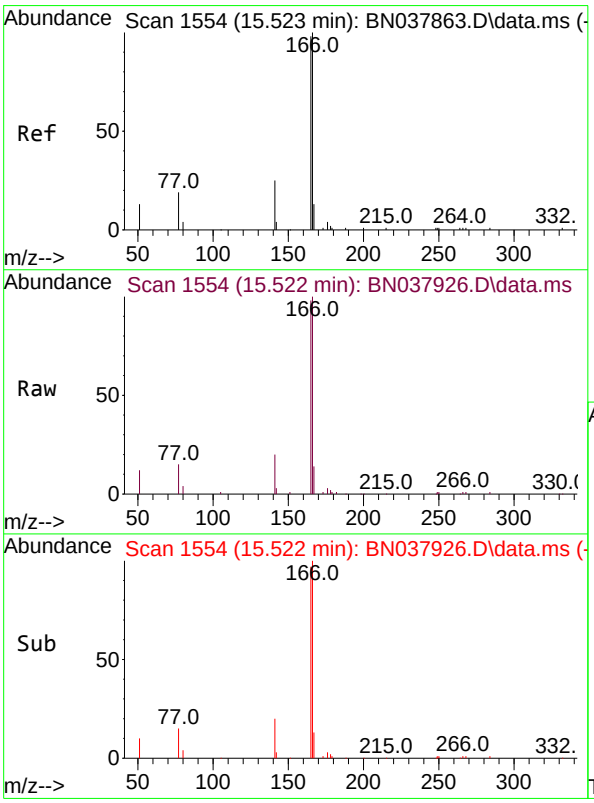
#17
Acenaphthene
Concen: 0.354 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:154 Resp: 12083

Ion	Ratio	Lower	Upper
154	100		
153	115.0	90.5	135.7
152	65.2	51.8	77.8

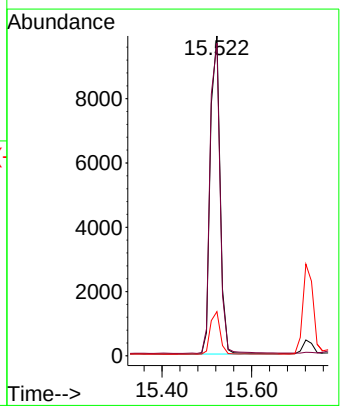


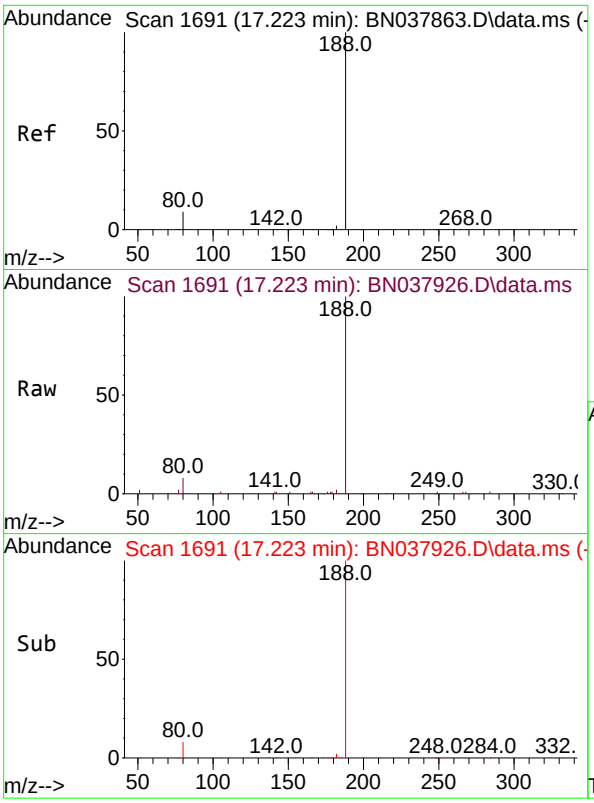


#18
Fluorene
Concen: 0.355 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:166 Resp: 14646

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.0	118.4
167	13.2	10.6	16.0



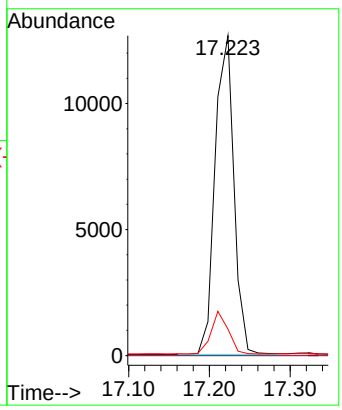


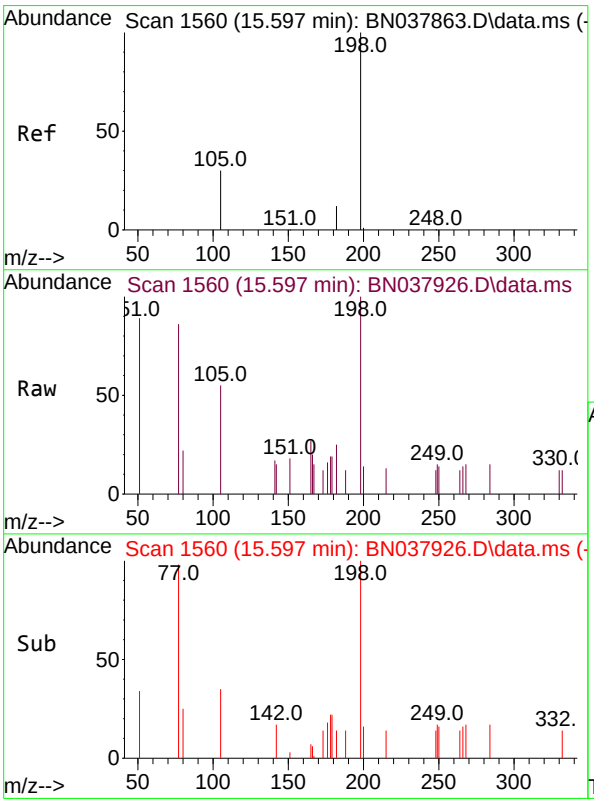
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:188 Resp: 20446

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	7.6	11.4

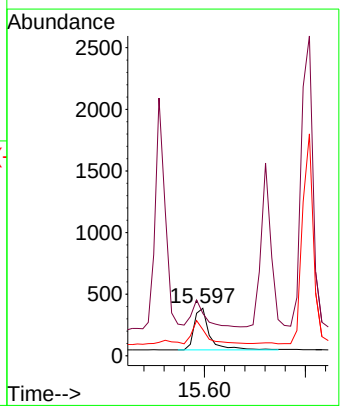


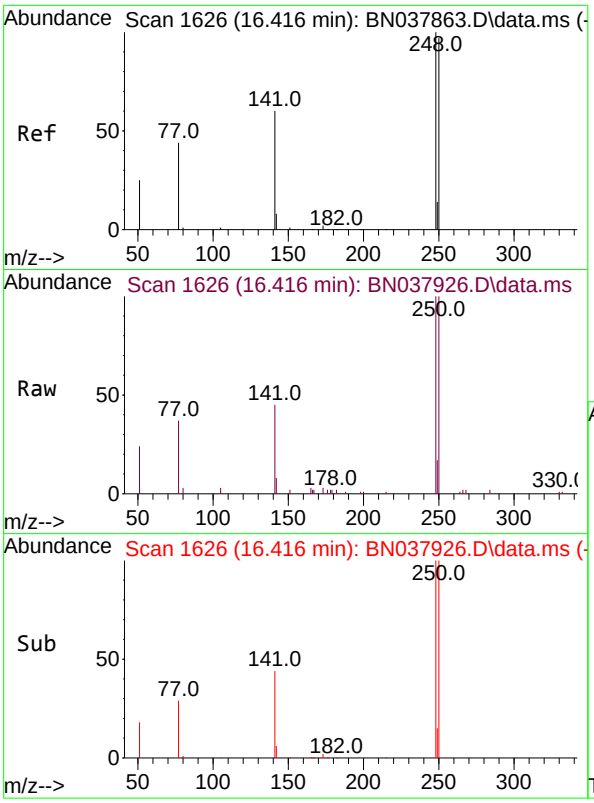


#20
4,6-Dinitro-2-methylphenol
Concen: 0.339 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:198 Resp: 710

Ion	Ratio	Lower	Upper
198	100		
51	89.4	59.1	88.7#
105	55.2	41.3	61.9



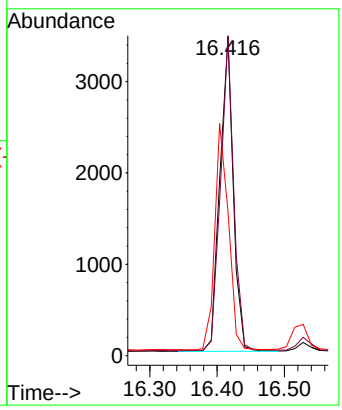


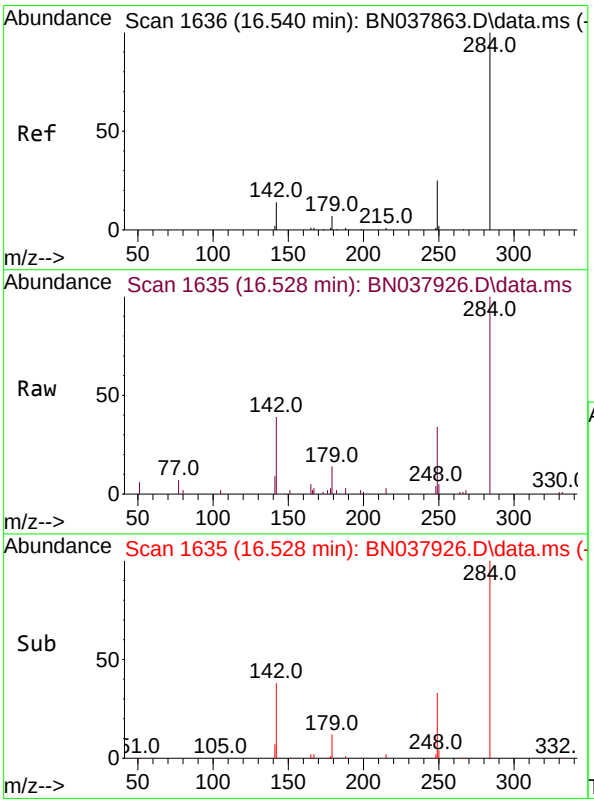
#21
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:248 Resp: 4775

Ion	Ratio	Lower	Upper
248	100		
250	100.5	77.6	116.4
141	45.4	48.8	73.2#

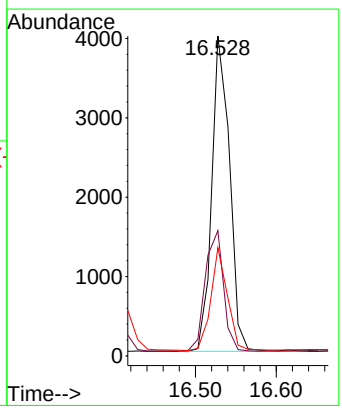


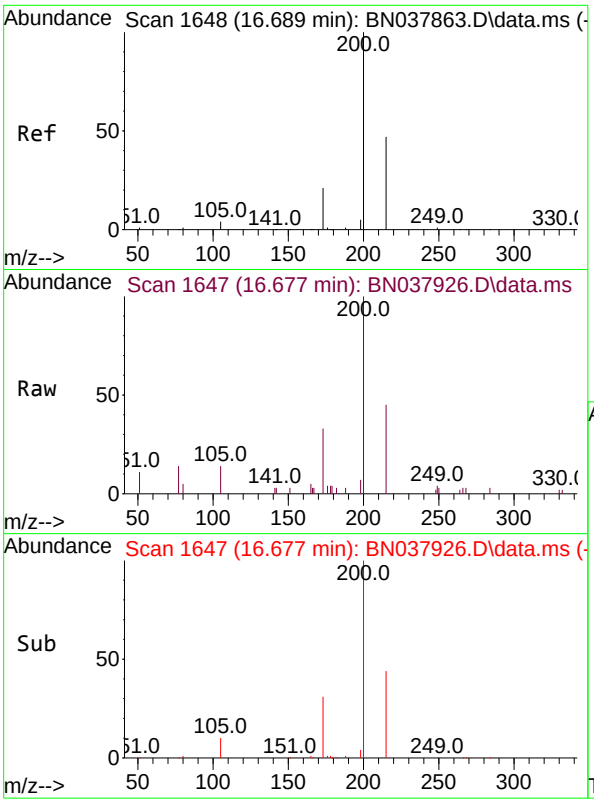


#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:284 Resp: 6058

Ion	Ratio	Lower	Upper
284	100		
142	39.5	30.9	46.3
249	30.2	23.9	35.9



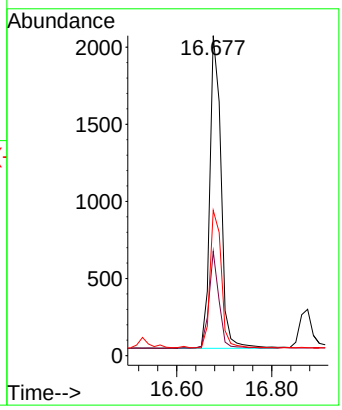


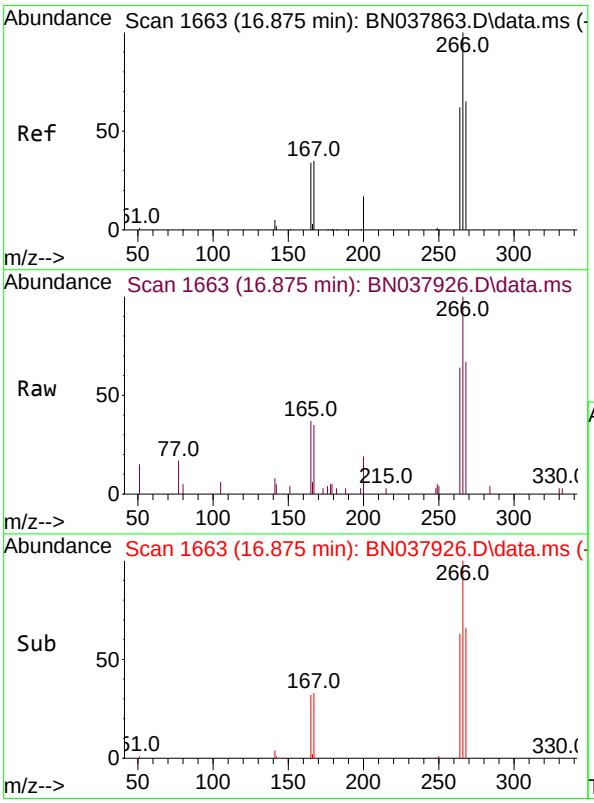
#23
Atrazine
Concen: 0.327 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:200 Resp: 3316

Ion	Ratio	Lower	Upper
200	100		
173	32.6	18.3	27.5#
215	45.4	38.6	58.0

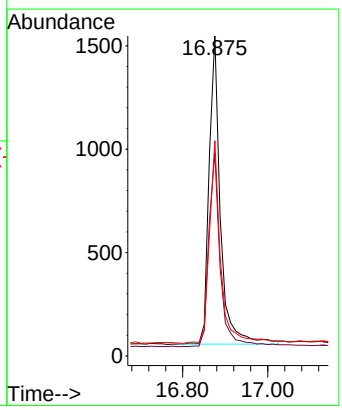


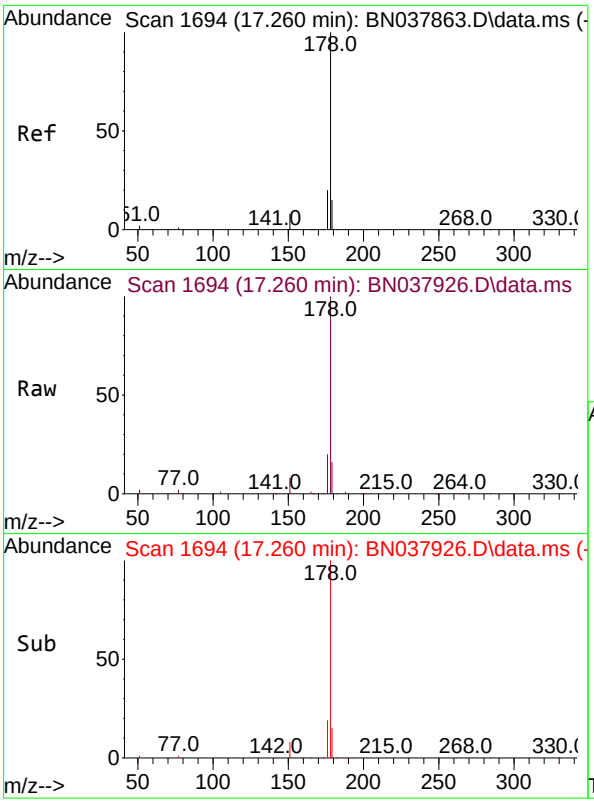


#24
Pentachlorophenol
Concen: 0.498 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:266 Resp: 2759

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.9	76.3
268	65.1	54.3	81.5



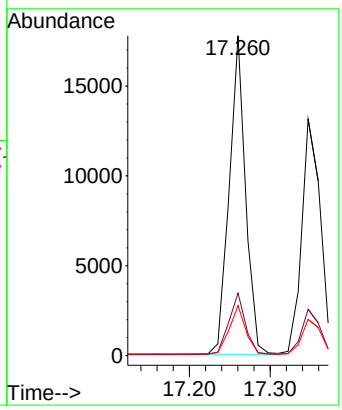


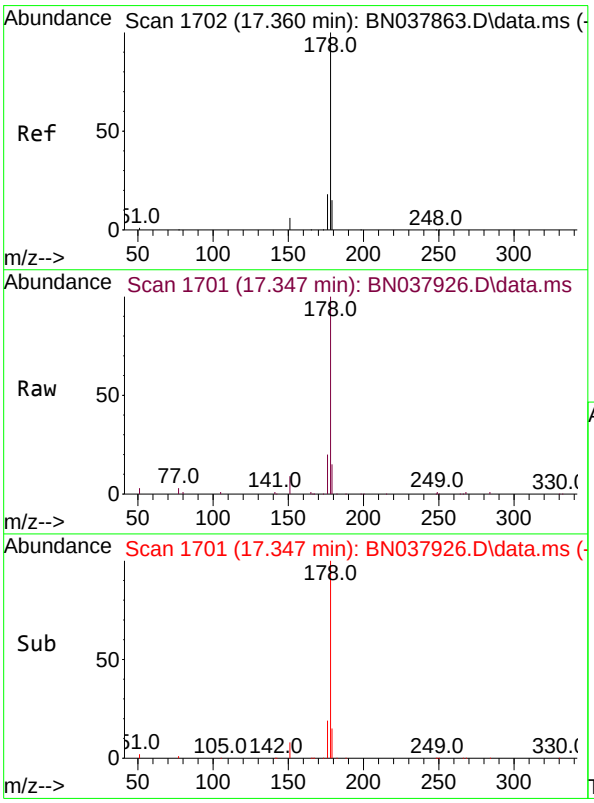
#25
Phenanthrene
Concen: 0.370 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:178 Resp: 24878

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.5	12.3	18.5

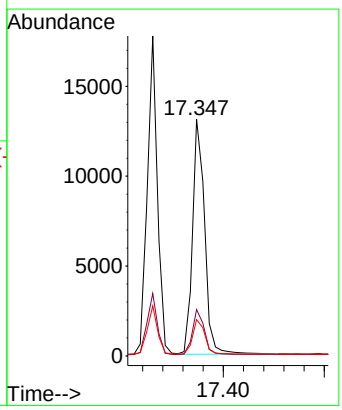


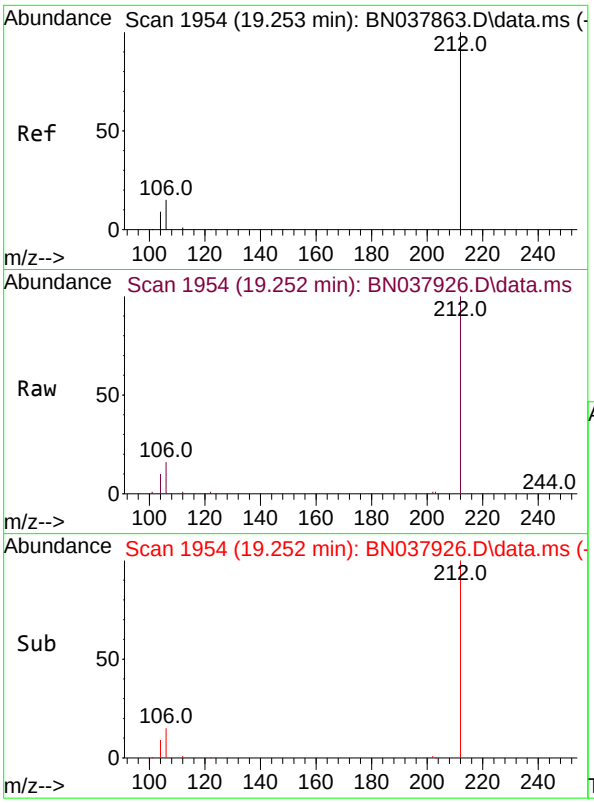


#26
Anthracene
Concen: 0.371 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:178 Resp: 21681

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	14.8	12.3	18.5



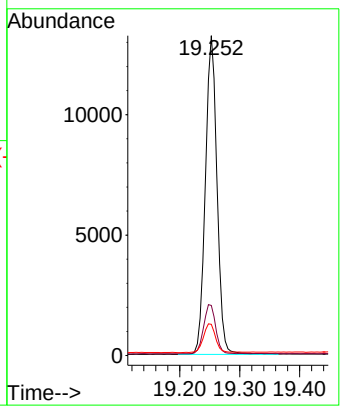


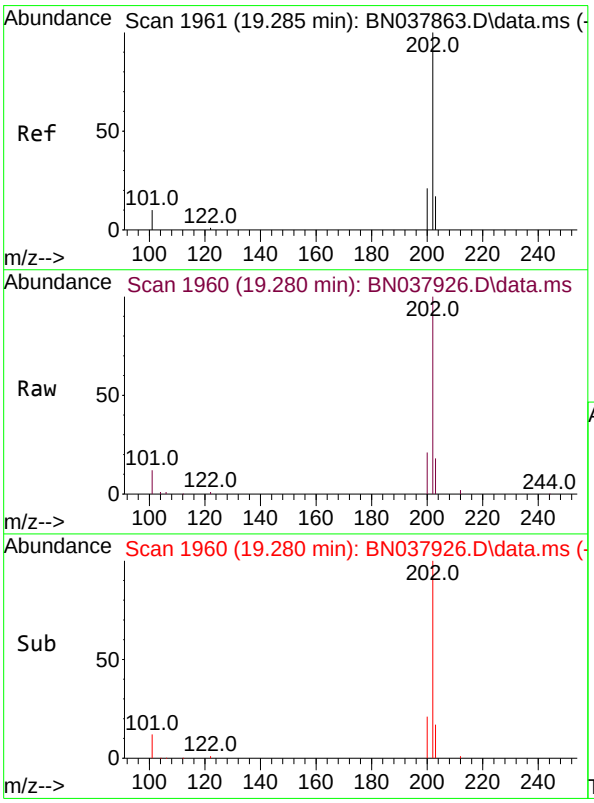
#27
Fluoranthene-d10
Concen: 0.347 ng
RT: 19.252 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:212 Resp: 17823

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.5	7.4	11.0

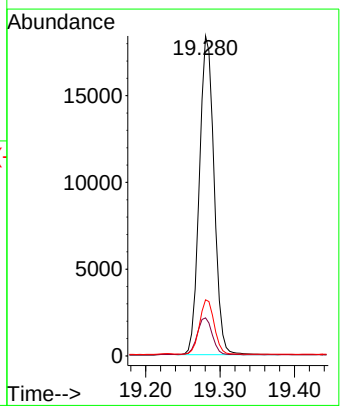


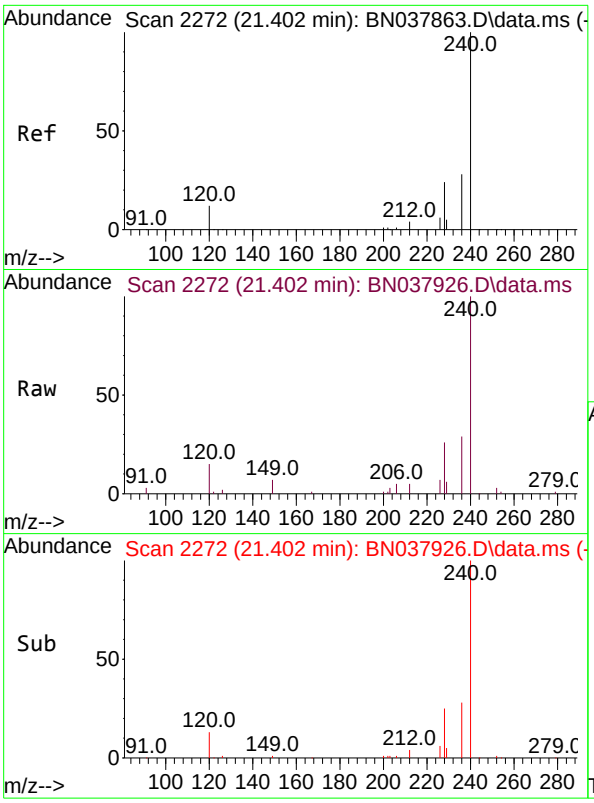


#28
Fluoranthene
Concen: 0.340 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:202 Resp: 25215

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.3	13.9
203	17.0	13.6	20.4



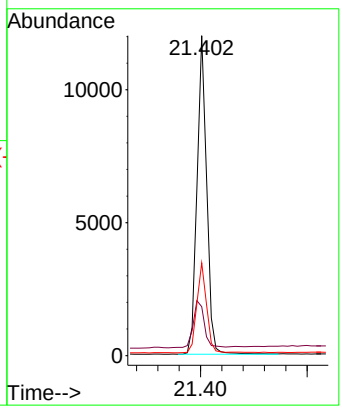


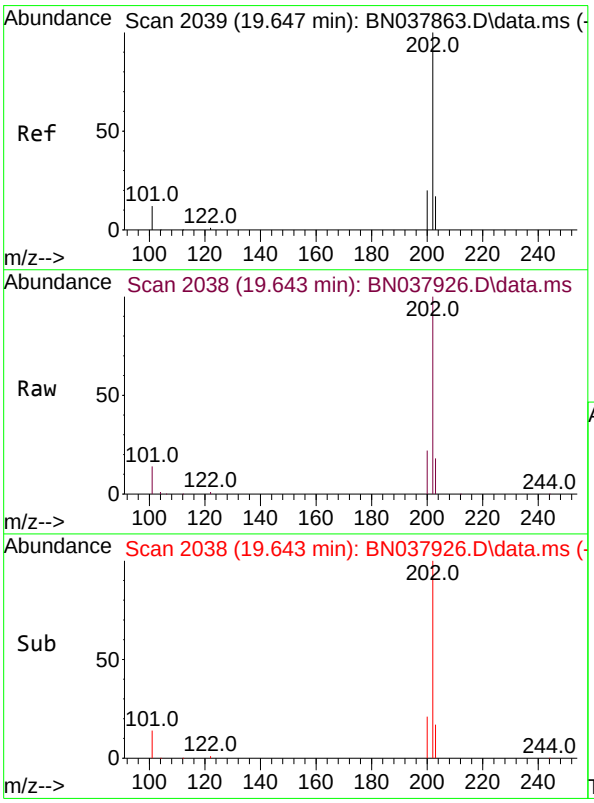
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:240 Resp: 15023

Ion	Ratio	Lower	Upper
240	100		
120	15.3	11.4	17.2
236	29.0	23.0	34.6

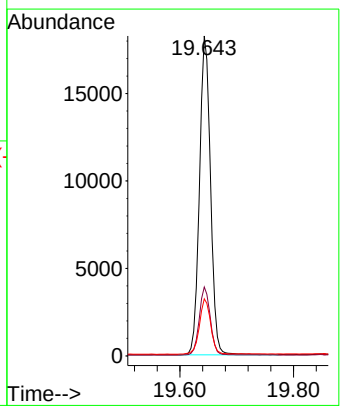


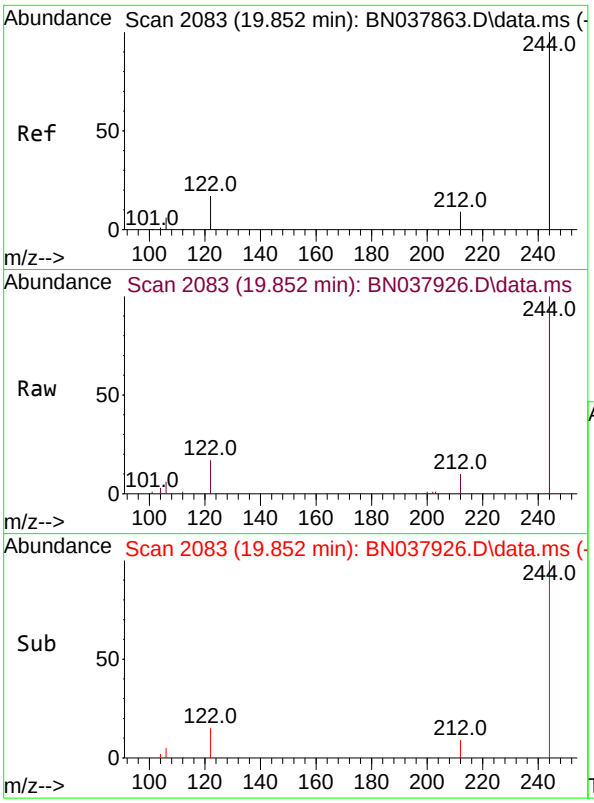


#30
Pyrene
Concen: 0.414 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:202 Resp: 24538

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.6	14.2	21.4



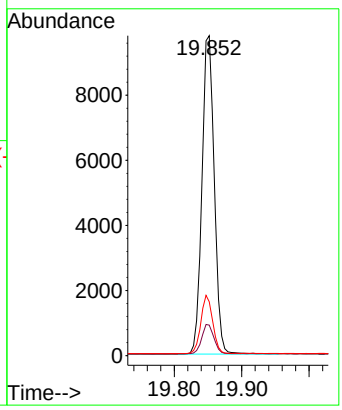


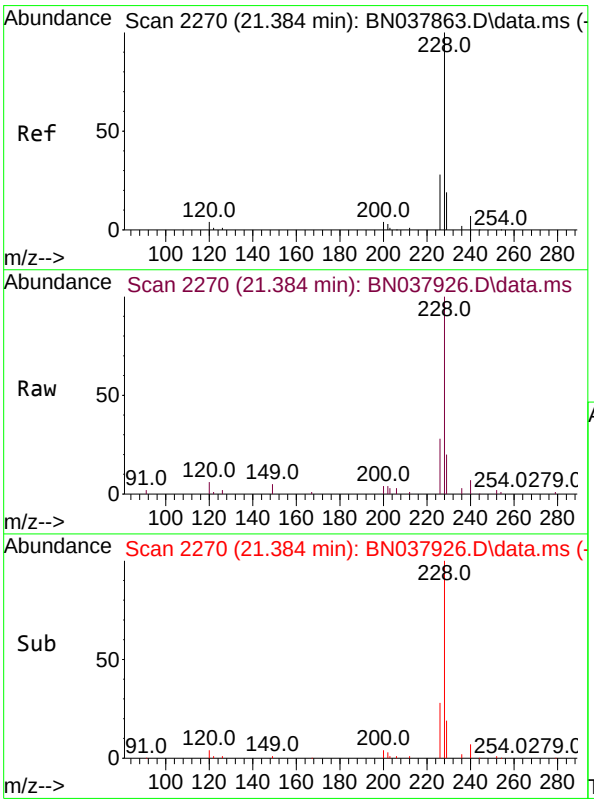
#31
Terphenyl-d14
Concen: 0.414 ng
RT: 19.852 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:244 Resp: 12398

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	16.8	13.9	20.9

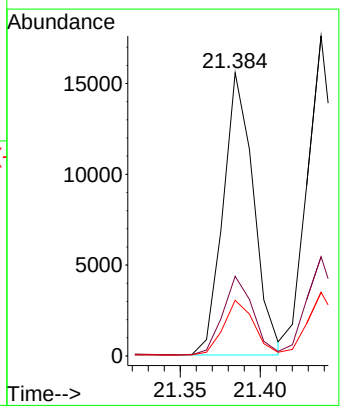


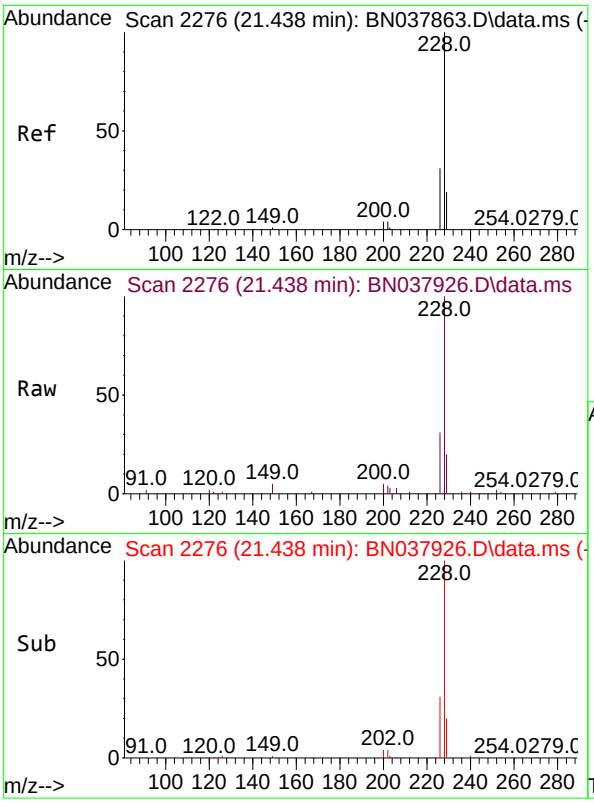


#32
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:228 Resp: 20586

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	19.6	15.6	23.4



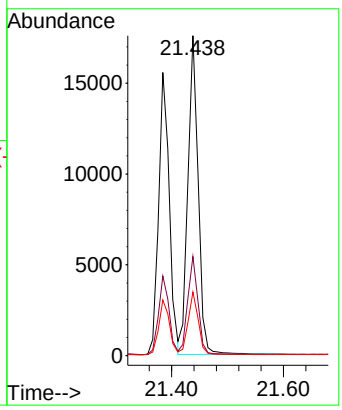


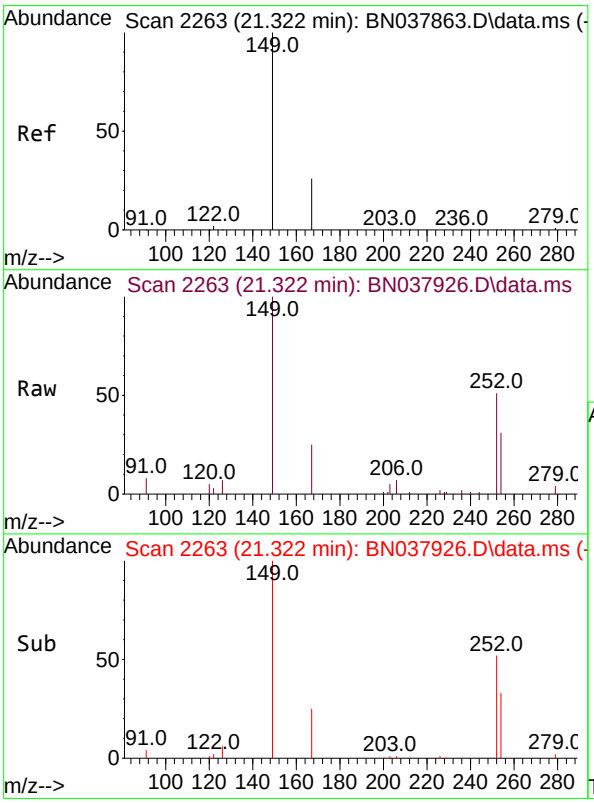
#33
Chrysene
Concen: 0.396 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:228 Resp: 22493

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	19.9	15.6	23.4

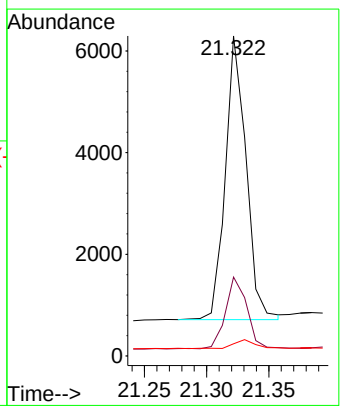


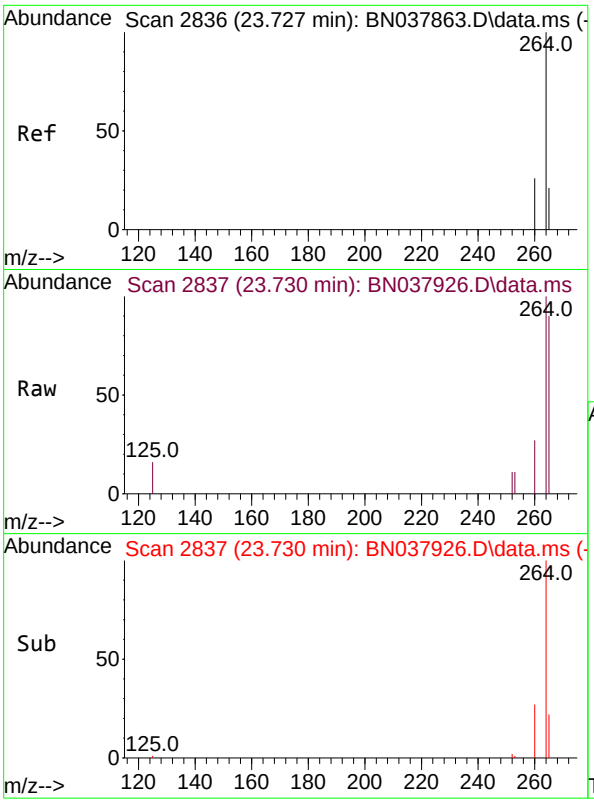


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.311 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:149 Resp: 6468

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.4	30.6
279	3.4	2.4	3.6



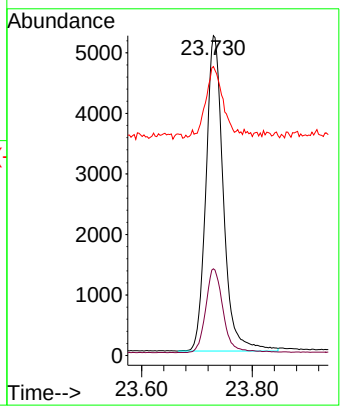


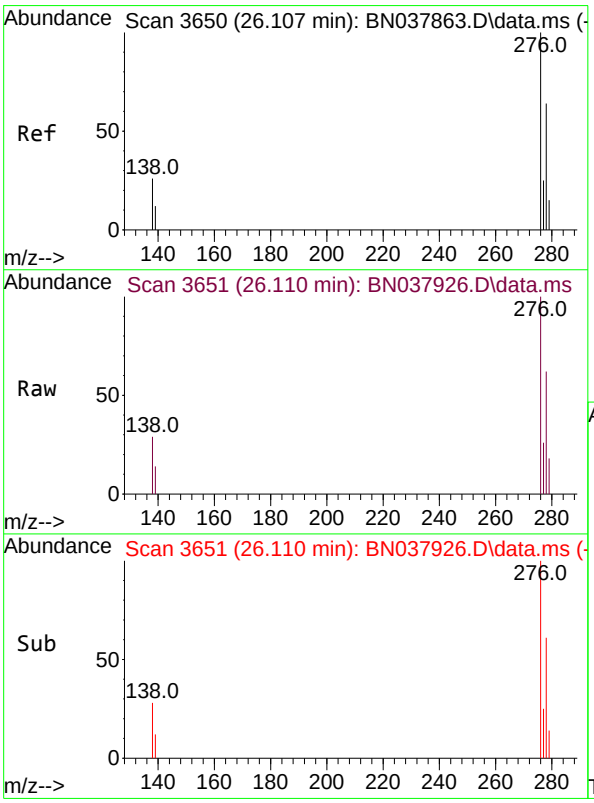
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:264 Resp: 11354

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	90.3	53.8	80.6#

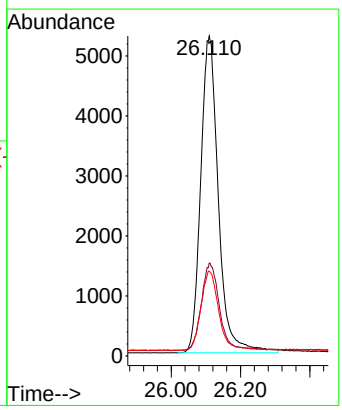


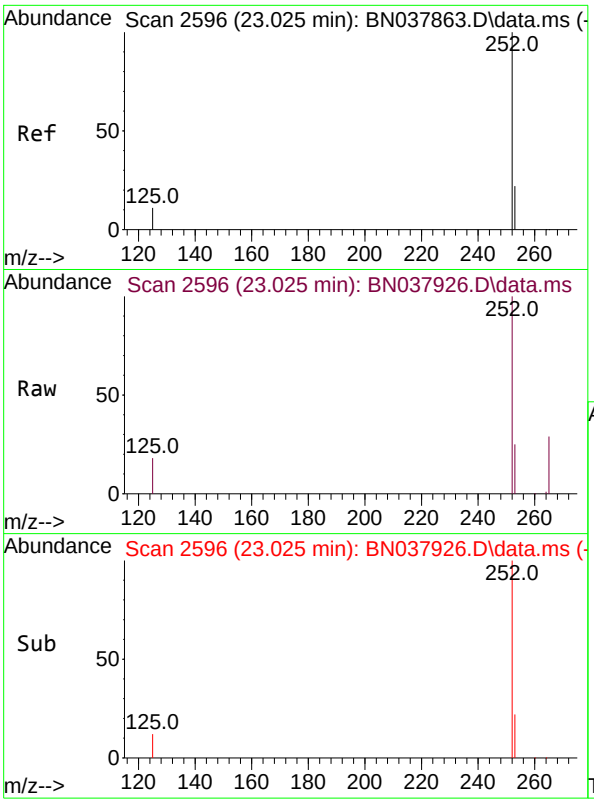


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 26.110 min Scan# 3651
Delta R.T. 0.003 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:276 Resp: 18674

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.4	32.0
277	25.0	20.3	30.5



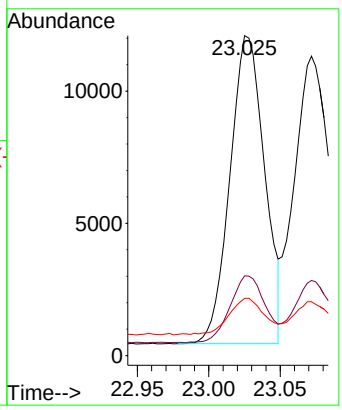


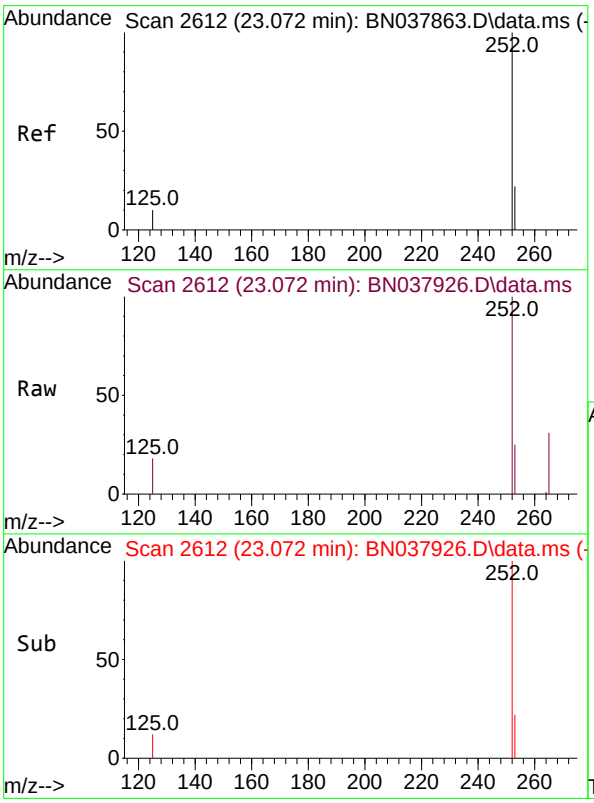
#37
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 23.025 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:252 Resp: 19640

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.4	29.0
125	17.9	13.0	19.4

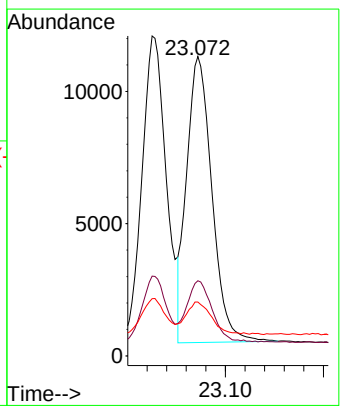


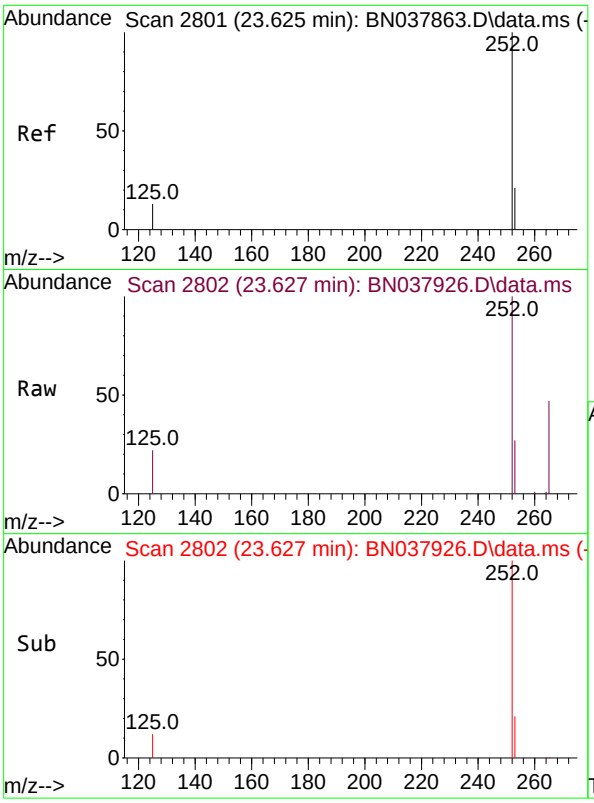


#38
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 23.072 min Scan# 2612
Delta R.T. -0.000 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:252 Resp: 19321

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.5	29.3
125	18.0	13.0	19.4



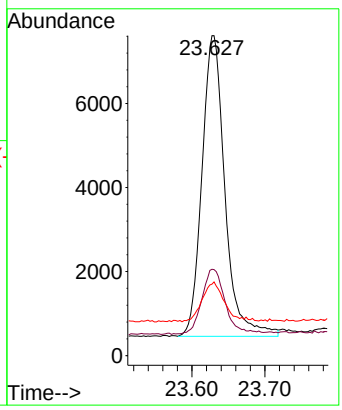


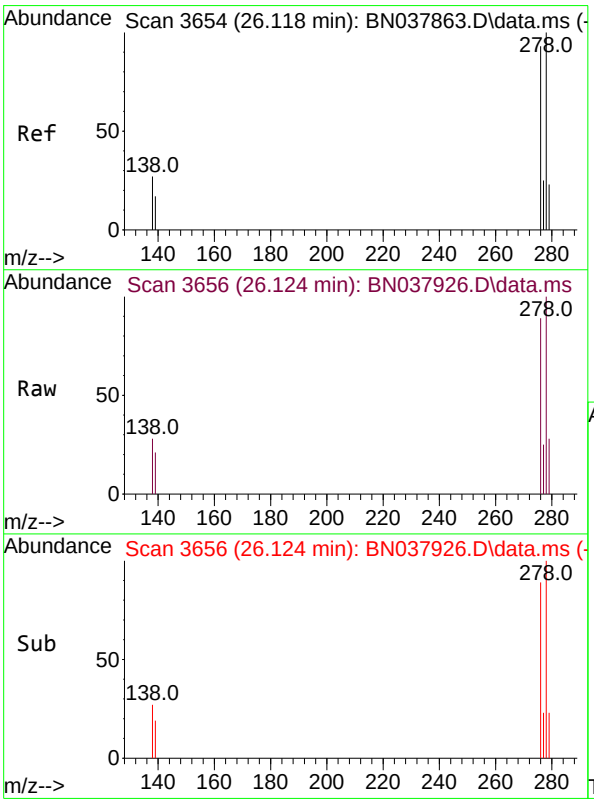
#39
Benzo(a)pyrene
Concen: 0.404 ng
RT: 23.627 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:252 Resp: 15655

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.6	30.8
125	22.3	16.7	25.1

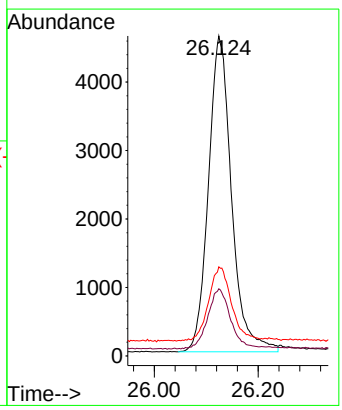


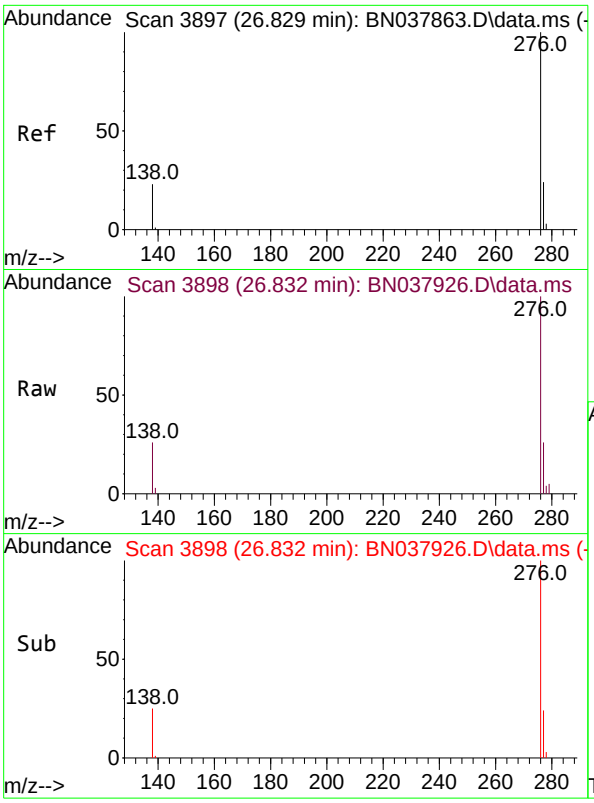


#40
Dibenzo(a,h)anthracene
Concen: 0.352 ng
RT: 26.124 min Scan# 3656
Delta R.T. 0.006 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Tgt Ion:278 Resp: 14242

Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.4	23.2
279	27.8	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.375 ng
RT: 26.832 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037926.D
Acq: 26 Sep 2025 15:33

Instrument :
BNA_N
ClientSampleId :
PB169839BSD

Tgt Ion:276 Resp: 15967

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.2	30.4
138	26.4	19.8	29.8