Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037906.D
Acq On : 26 Sep 2025 02:16
Operator : RC/JU
Sample : PB169794BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Quant Time: Sep 26 07:38:12 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	7872	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	21986	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	10679	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	20250	0.400	ng	0.00
29) Chrysene-d12	21.402	240	13542	0.400	ng	0.00
35) Perylene-d12	23.727	264	9649	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	7605	0.423	ng	0.00
5) Phenol-d6	6.973	99	9553	0.405	ng	0.00
8) Nitrobenzene-d5	8.971	82	6755	0.403	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	11675	0.382	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1320	0.326	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	18411	0.421	ng	0.00
27) Fluoranthene-d10	19.253	212	18053	0.354	ng	0.00
31) Terphenyl-d14	19.852	244	12331	0.457	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2676	0.335	ng	# 80
3) n-Nitrosodimethylamine	3.601	42	4032	0.379	ng	# 92
6) bis(2-Chloroethyl)ether	7.233	93	8750	0.399	ng	99
9) Naphthalene	10.669	128	23947	0.395	ng	99
10) Hexachlorobutadiene	10.968	225	4408	0.427	ng	# 99
12) 2-Methylnaphthalene	12.288	142	13521	0.342	ng	99
16) Acenaphthylene	14.184	152	20552	0.424	ng	99
17) Acenaphthene	14.537	154	13201	0.382	ng	99
18) Fluorene	15.523	166	16089	0.385	ng	99
20) 4,6-Dinitro-2-methylph...	15.597	198	728	0.349	ng	86
21) 4-Bromophenyl-phenylether	16.416	248	5079	0.385	ng	94
22) Hexachlorobenzene	16.528	284	6552	0.410	ng	99
23) Atrazine	16.677	200	3327	0.331	ng	# 89
24) Pentachlorophenol	16.875	266	2777	0.506	ng	97
25) Phenanthrene	17.260	178	25976	0.390	ng	99
26) Anthracene	17.347	178	22538	0.390	ng	100
28) Fluoranthene	19.285	202	25037	0.341	ng	99
30) Pyrene	19.643	202	24796	0.464	ng	99
32) Benzo(a)anthracene	21.384	228	19488	0.412	ng	99
33) Chrysene	21.438	228	21211	0.414	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	5470	0.292	ng	98
36) Indeno(1,2,3-cd)pyrene	26.104	276	17847	0.405	ng	99
37) Benzo(b)fluoranthene	23.022	252	18110	0.435	ng	96
38) Benzo(k)fluoranthene	23.069	252	18173	0.434	ng	96
39) Benzo(a)pyrene	23.625	252	14612	0.444	ng	95
40) Dibenzo(a,h)anthracene	26.121	278	13787	0.400	ng	96
41) Benzo(g,h,i)perylene	26.826	276	15417	0.426	ng	99

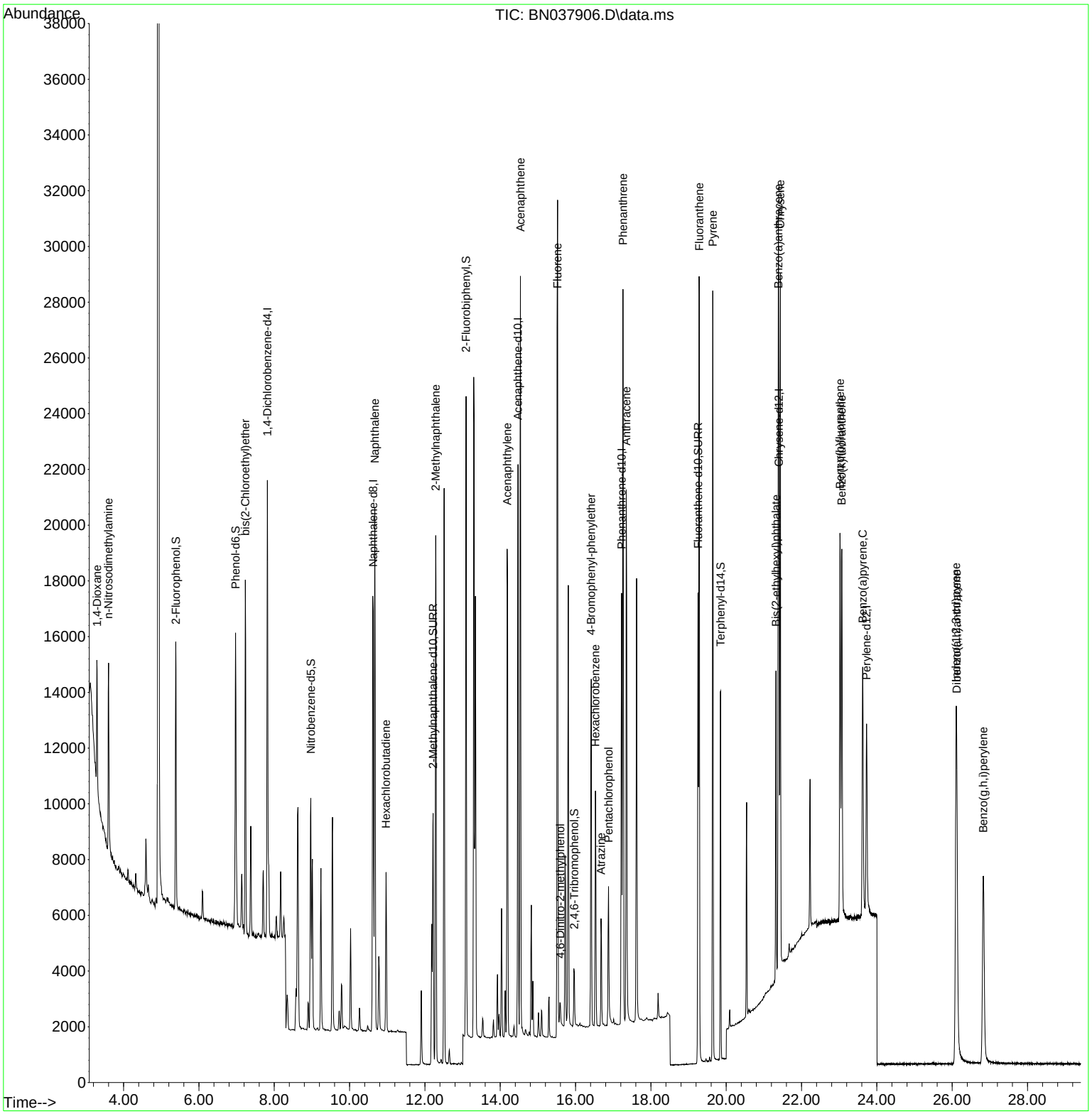
(#) = qualifier out of range (m) = manual integration (+) = signals summed

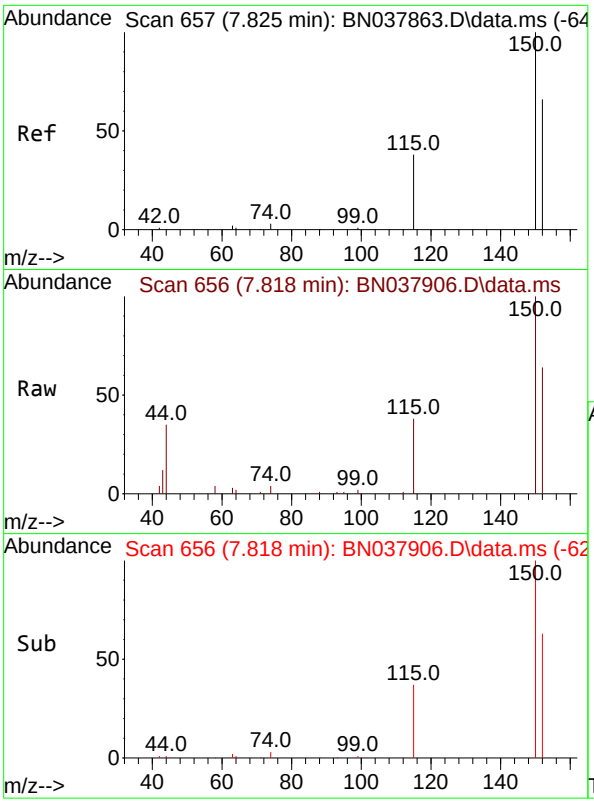
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037906.D
Acq On : 26 Sep 2025 02:16
Operator : RC/JU
Sample : PB169794BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Quant Time: Sep 26 07:38:12 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



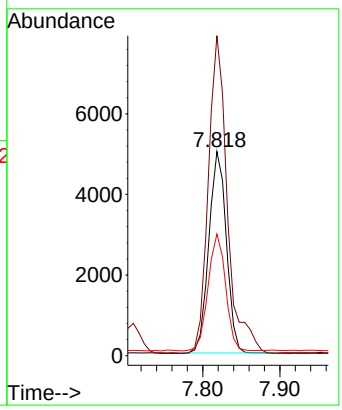


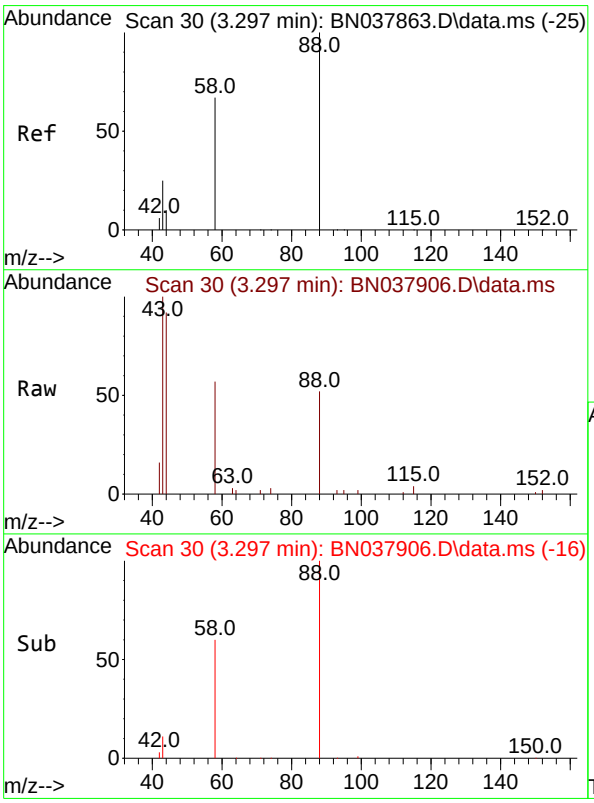
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:152 Resp: 7872

Ion	Ratio	Lower	Upper
152	100		
150	156.7	121.0	181.4
115	59.6	47.4	71.0

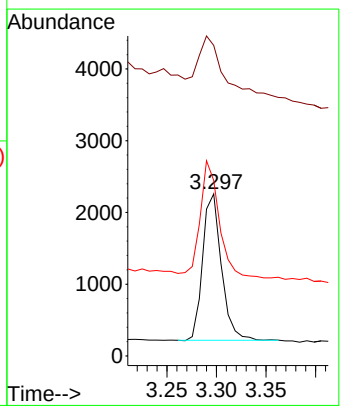


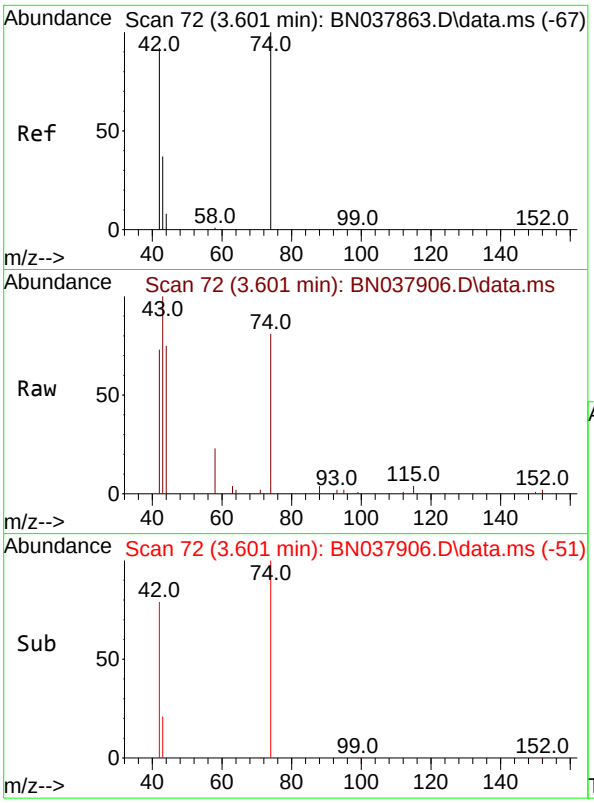


#2
1,4-Dioxane
Concen: 0.335 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion: 88 Resp: 2676

Ion	Ratio	Lower	Upper
88	100		
43	58.0	26.6	39.8#
58	81.6	58.9	88.3



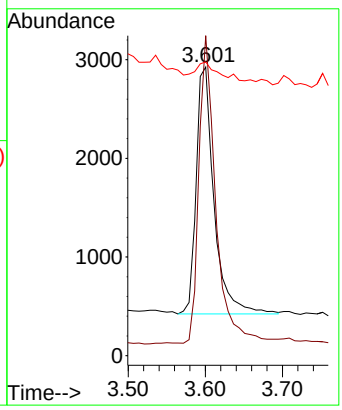


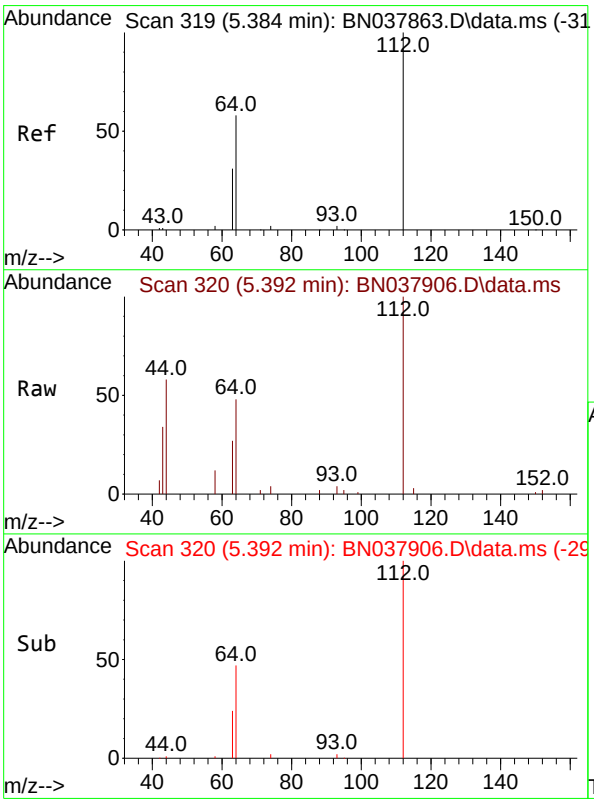
#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion: 42 Resp: 4032

Ion	Ratio	Lower	Upper
42	100		
74	117.5	93.4	140.0
44	8.8	22.2	33.4#

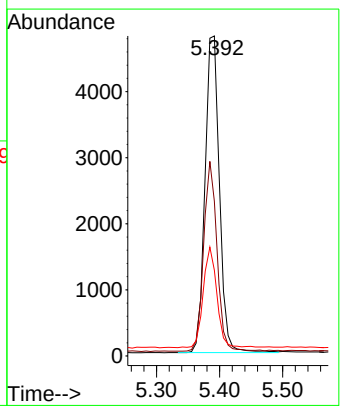


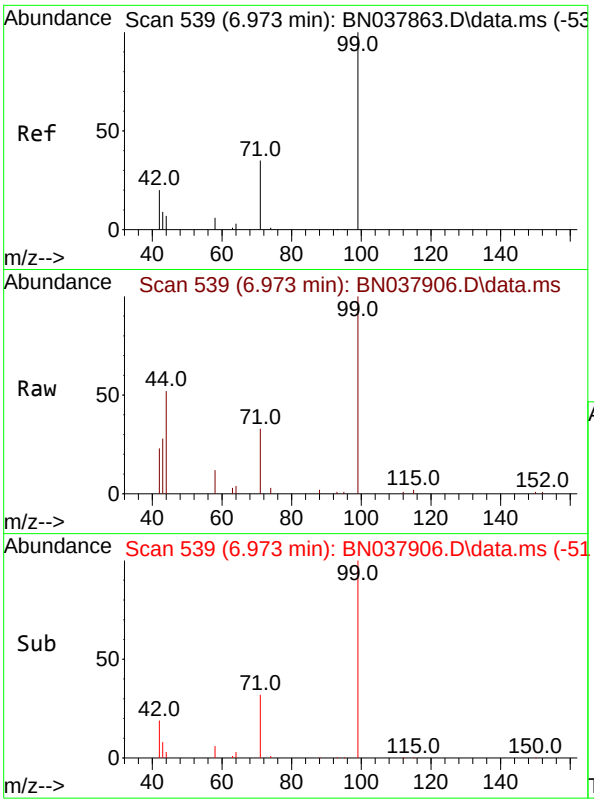


#4
2-Fluorophenol
Concen: 0.423 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:112 Resp: 7605

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	30.2	24.9	37.3



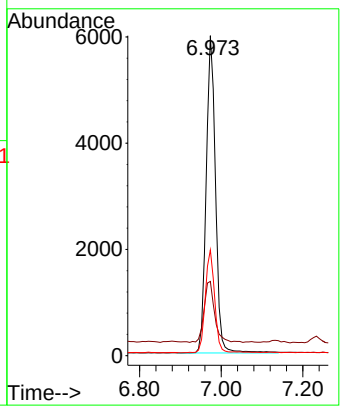


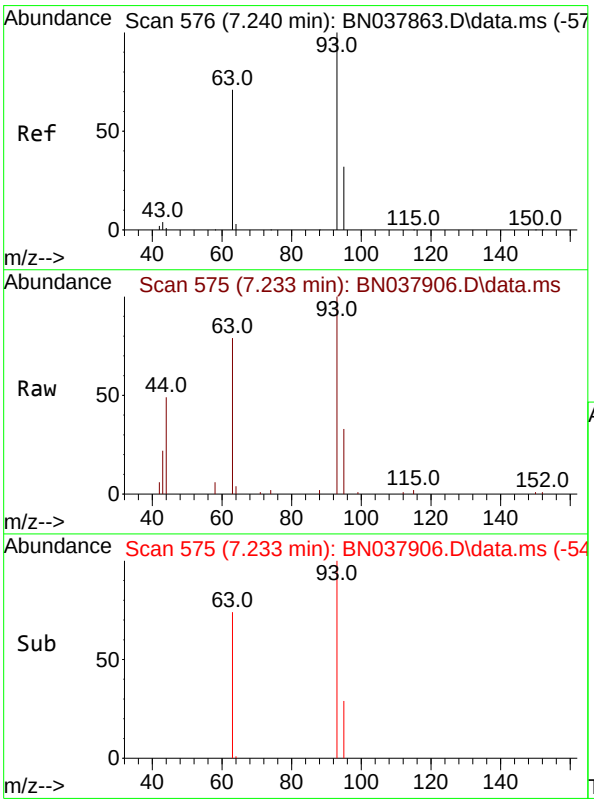
#5
Phenol-d6
Concen: 0.405 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion: 99 Resp: 9553

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.2	25.8
71	32.6	27.3	40.9

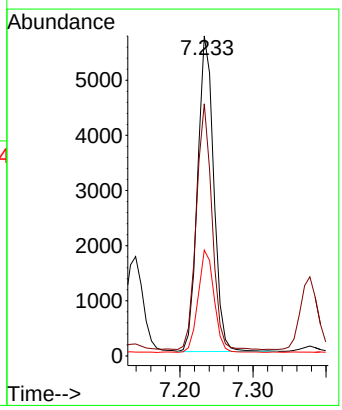


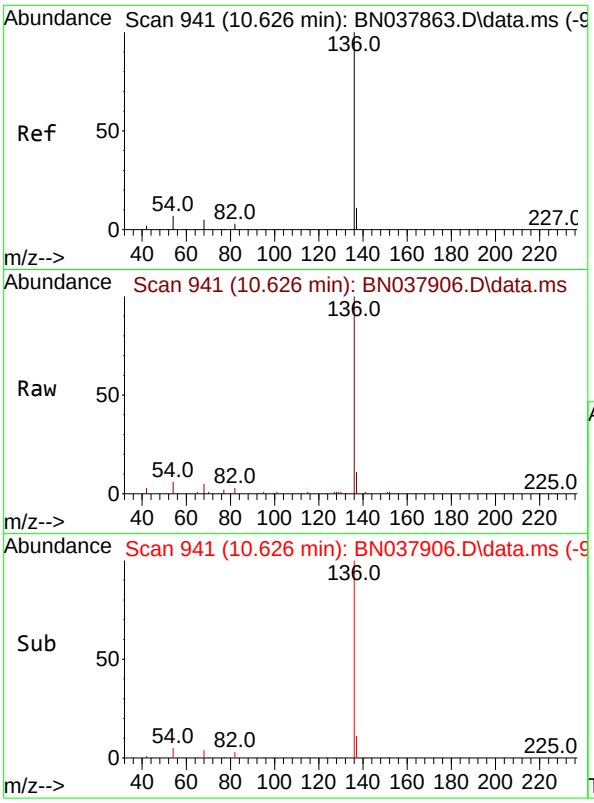


#6
bis(2-Chloroethyl)ether
Concen: 0.399 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion: 93 Resp: 8750

Ion	Ratio	Lower	Upper
93	100		
63	75.5	60.1	90.1
95	32.2	25.4	38.2



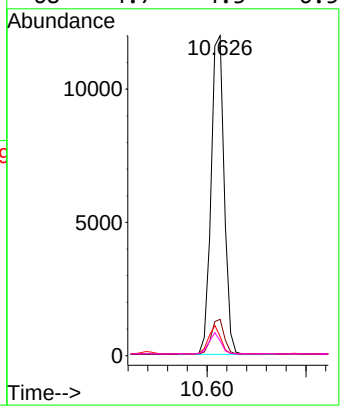


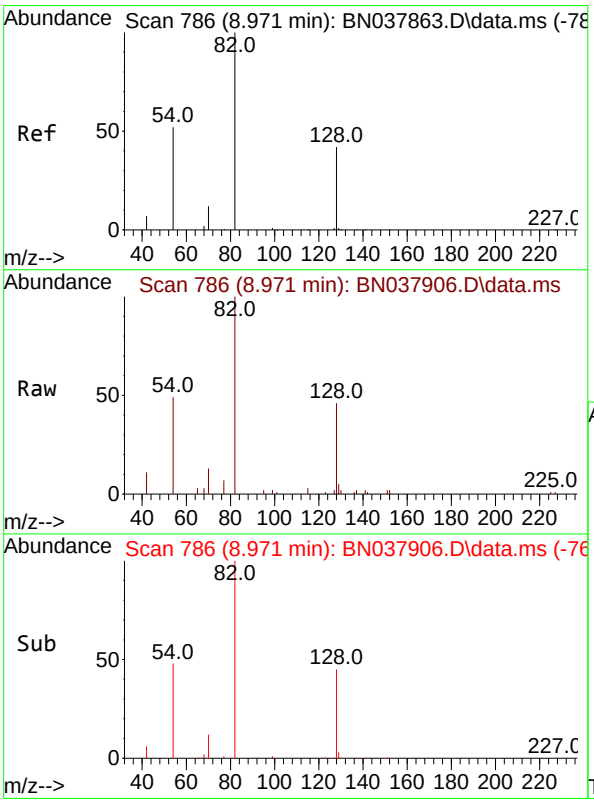
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:136 Resp: 21986

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.0	5.8	8.8
68	4.7	4.3	6.5

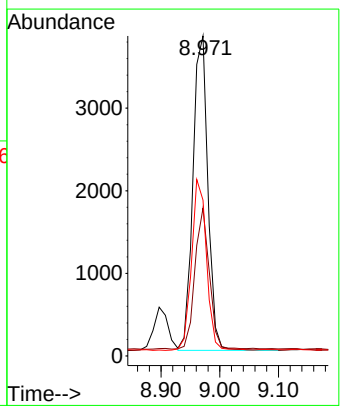


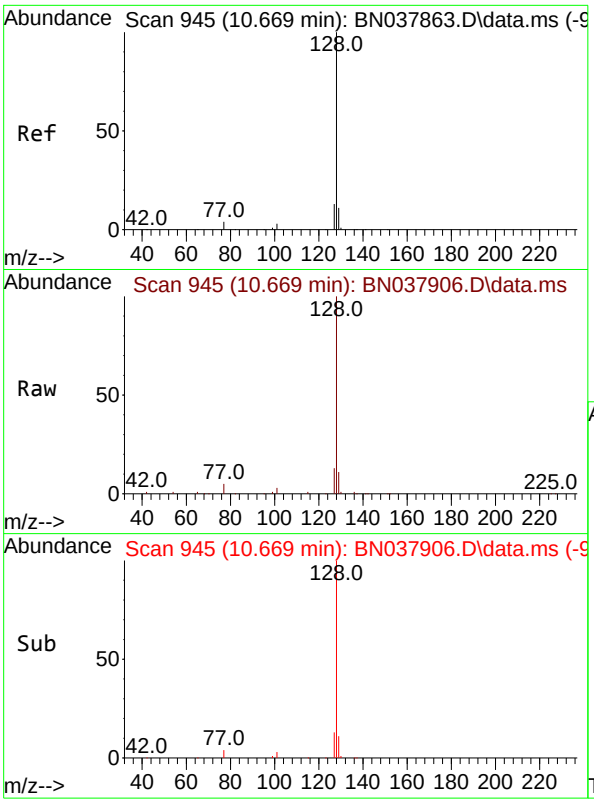


#8
Nitrobenzene-d5
Concen: 0.403 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion: 82 Resp: 6755

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.8	52.2
54	48.7	42.2	63.2



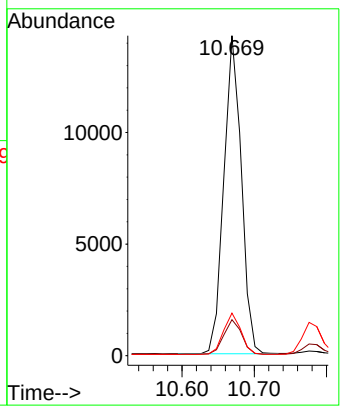


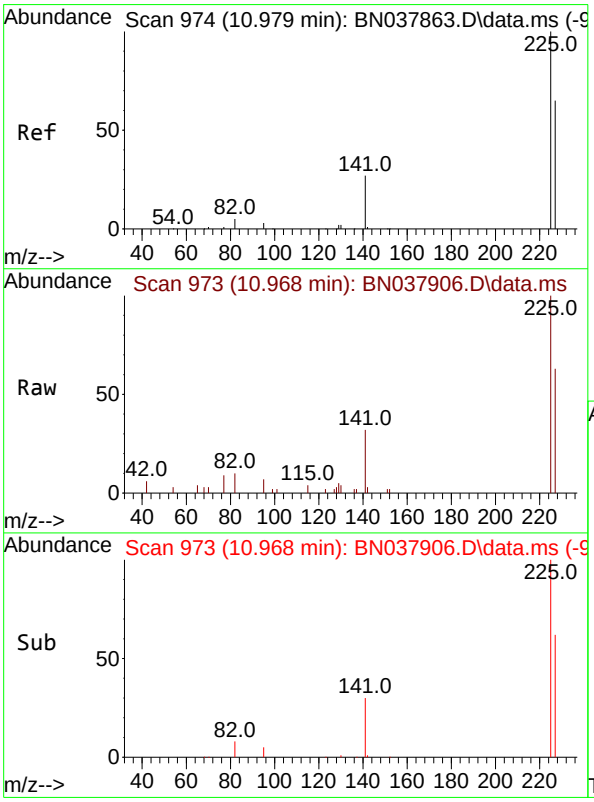
#9
Naphthalene
Concen: 0.395 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:128 Resp: 23947

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.3	11.0	16.6

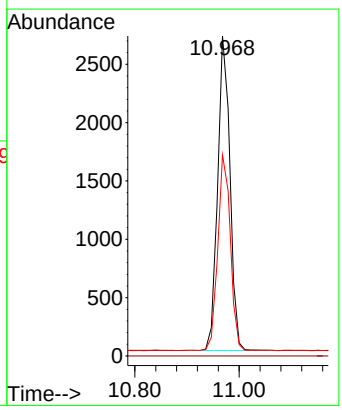


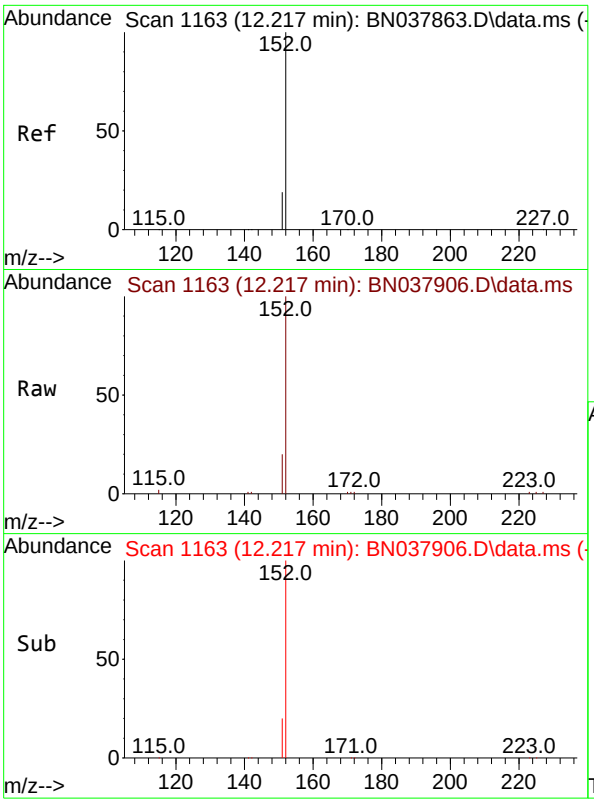


#10
Hexachlorobutadiene
Concen: 0.427 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:225 Resp: 4408

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.4	77.2



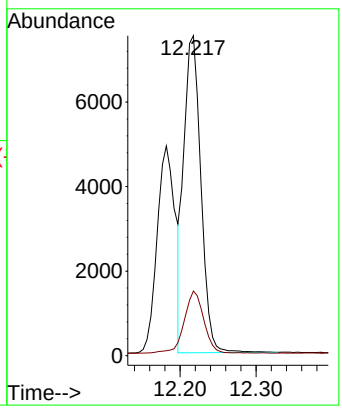


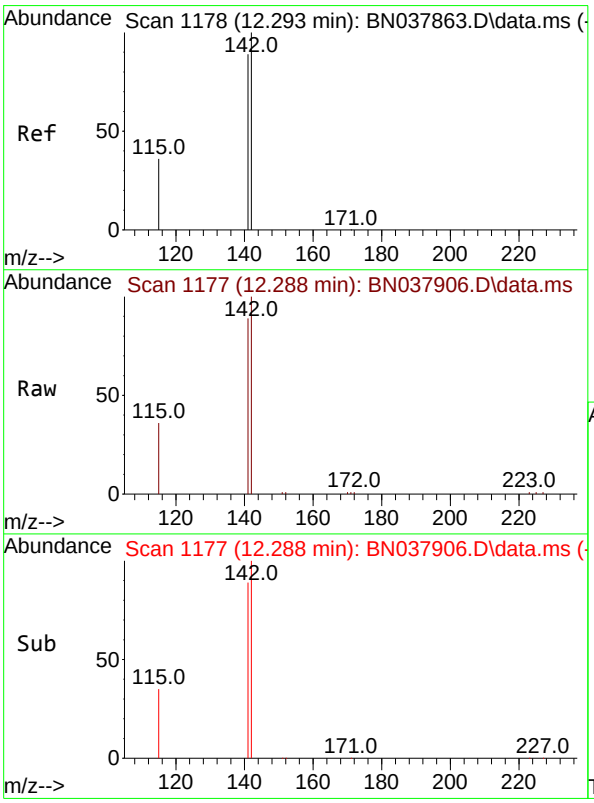
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:152 Resp: 11675

Ion	Ratio	Lower	Upper
152	100		
151	22.5	17.4	26.2

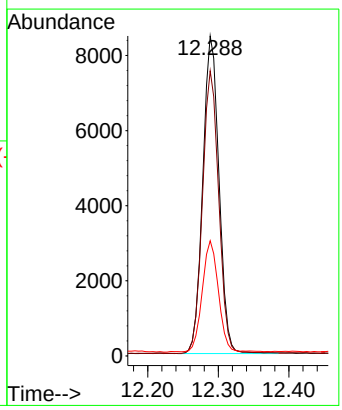


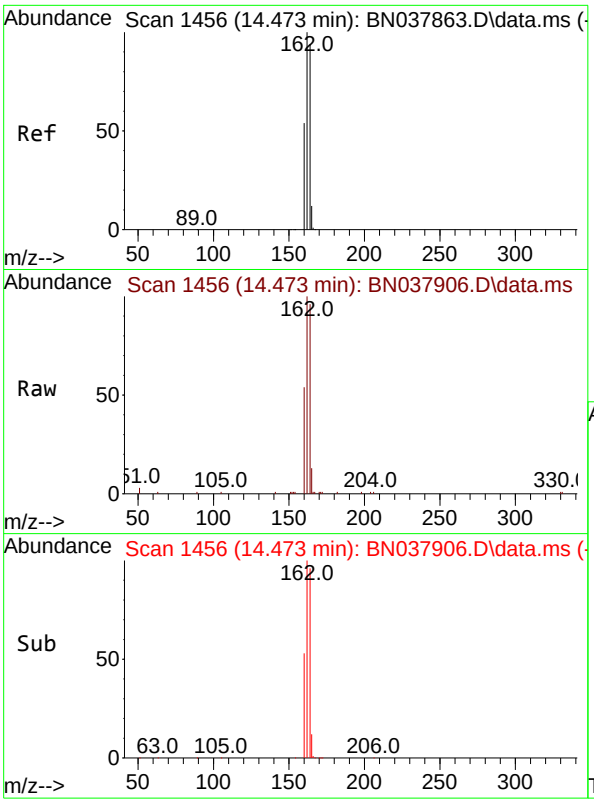


#12
2-Methylnaphthalene
Concen: 0.342 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:142 Resp: 13521

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
115	36.0	29.7	44.5



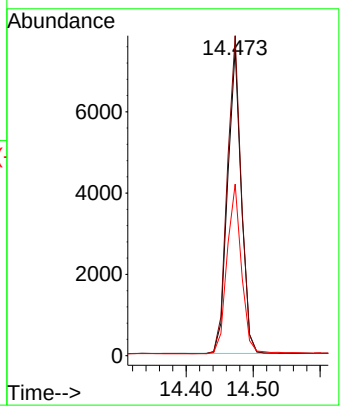


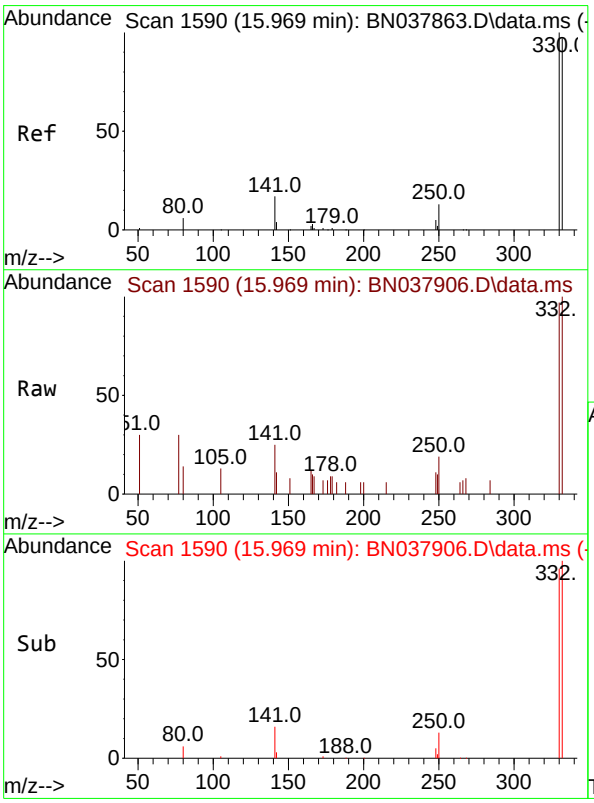
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:164 Resp: 10679

Ion	Ratio	Lower	Upper
164	100		
162	104.3	84.8	127.2
160	55.9	46.1	69.1

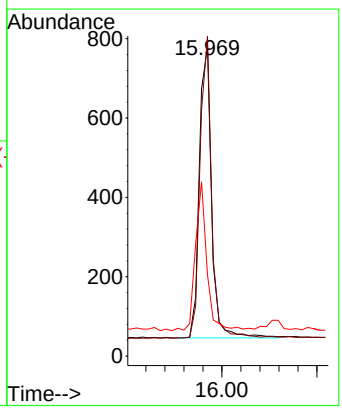


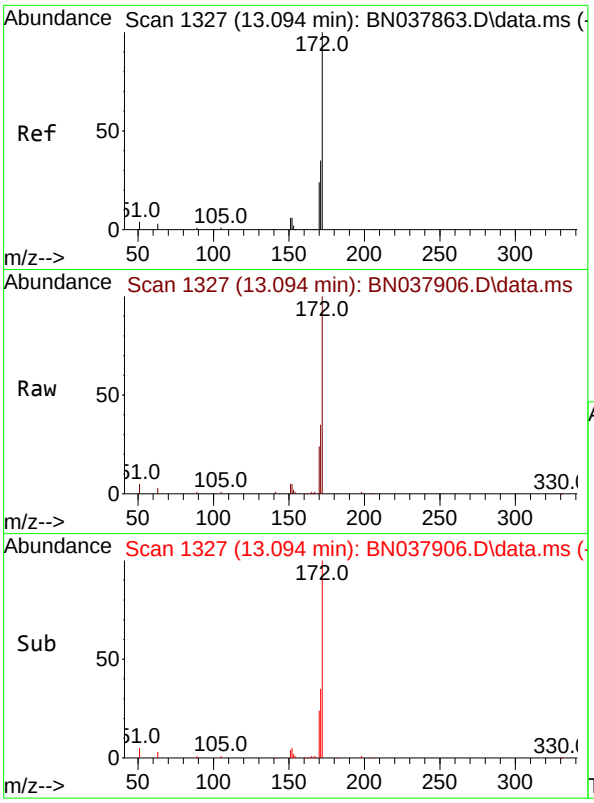


#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:330 Resp: 1320

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.2	115.8
141	47.0	37.2	55.8



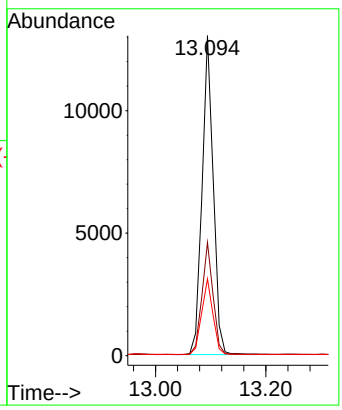


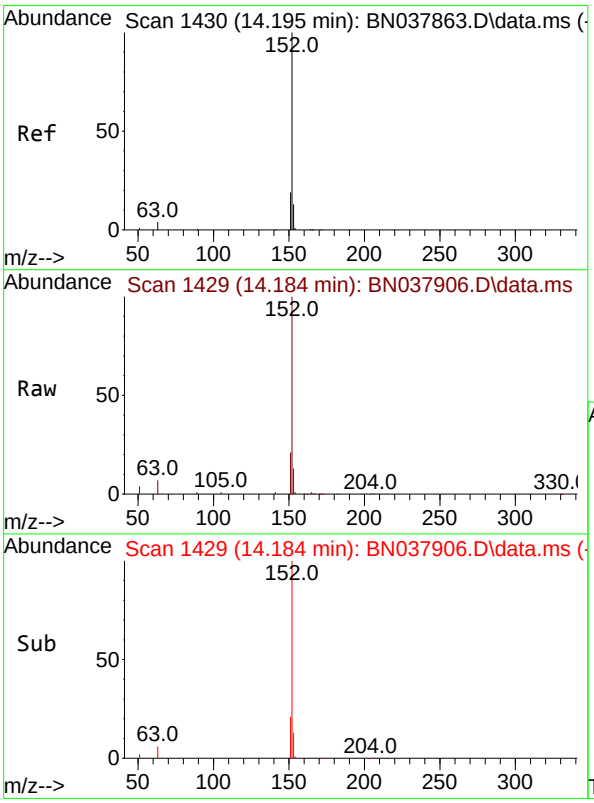
#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:172 Resp: 18411

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	24.0	19.7	29.5

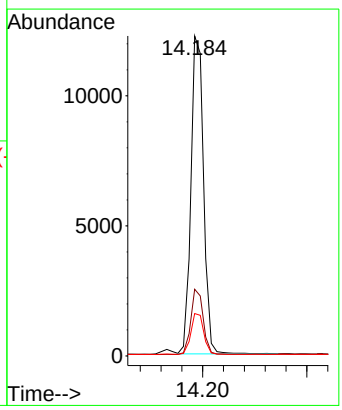


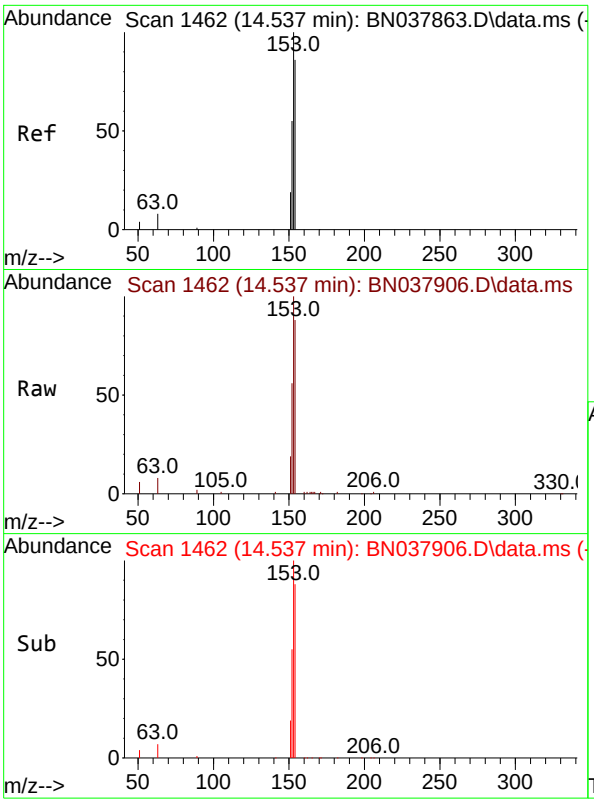


#16
Acenaphthylene
Concen: 0.424 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:152 Resp: 20552

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.2	10.5	15.7



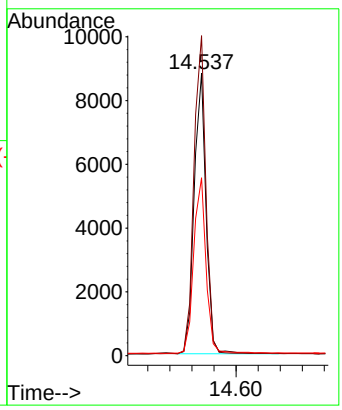


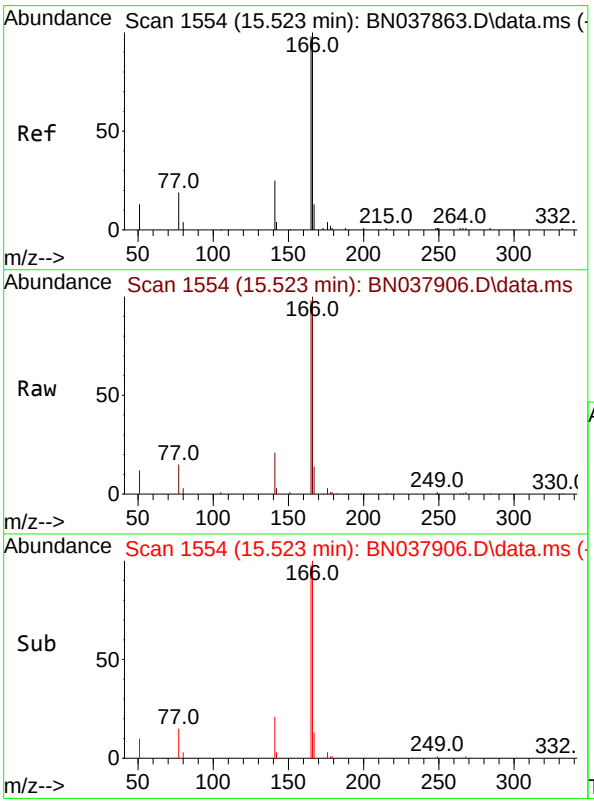
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:154 Resp: 13201

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	65.1	51.8	77.8

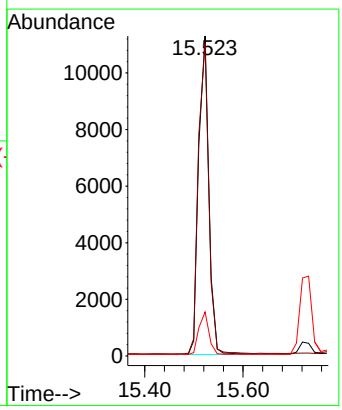


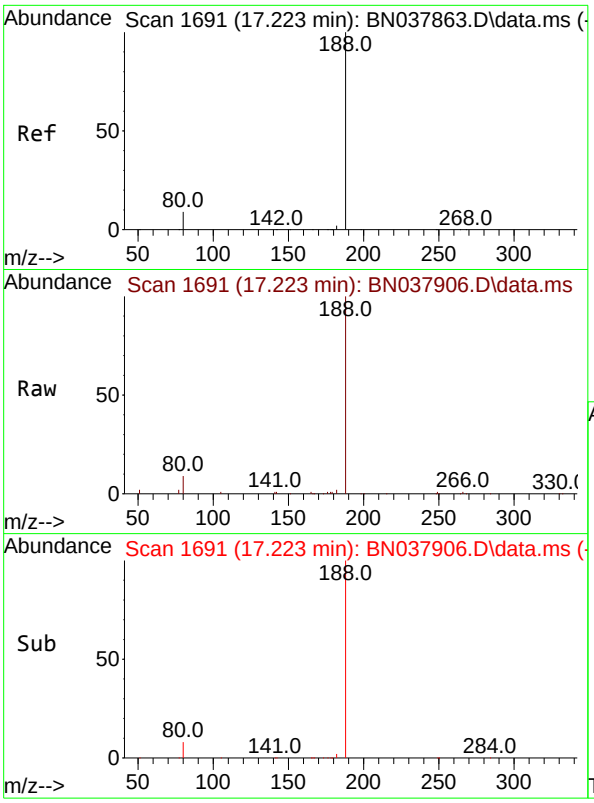


#18
Fluorene
Concen: 0.385 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:166 Resp: 16089

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	13.0	10.6	16.0



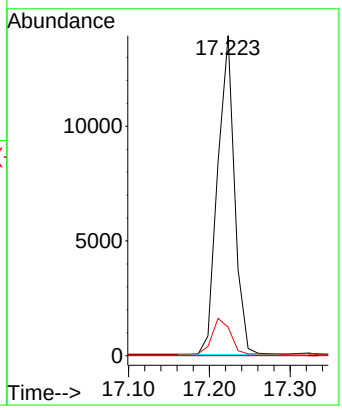


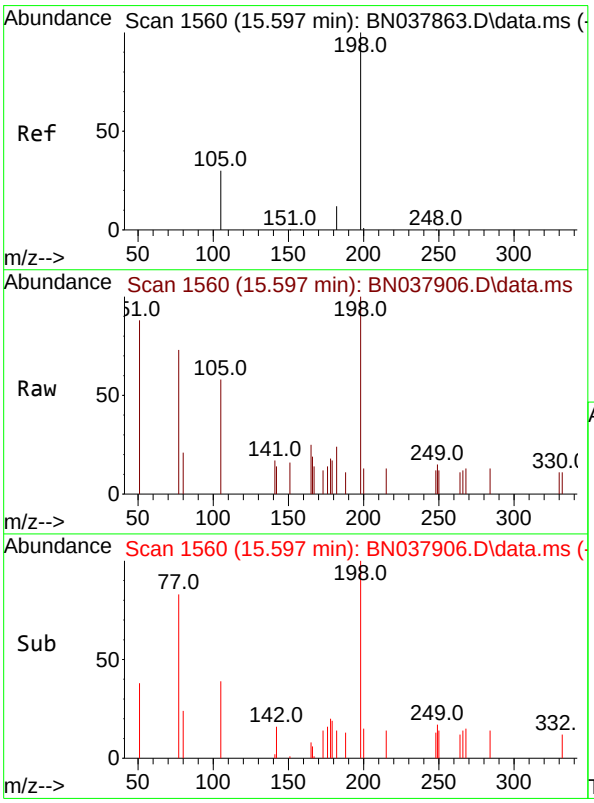
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:188 Resp: 20250

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

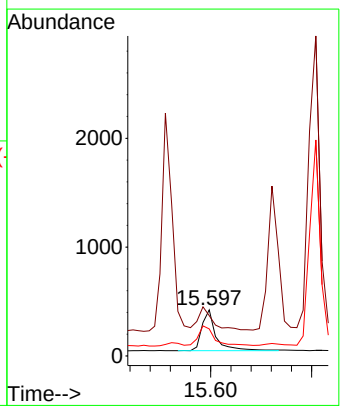


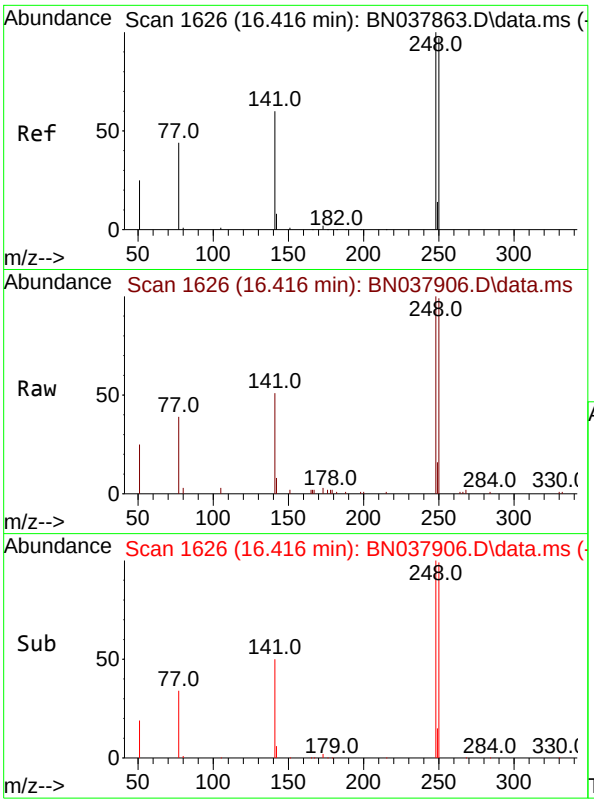


#20
4,6-Dinitro-2-methylphenol
Concen: 0.349 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:198 Resp: 728

Ion	Ratio	Lower	Upper
198	100		
51	87.5	59.1	88.7
105	58.5	41.3	61.9



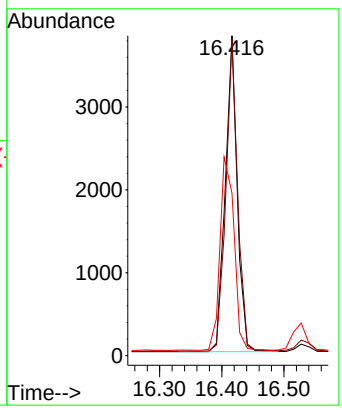


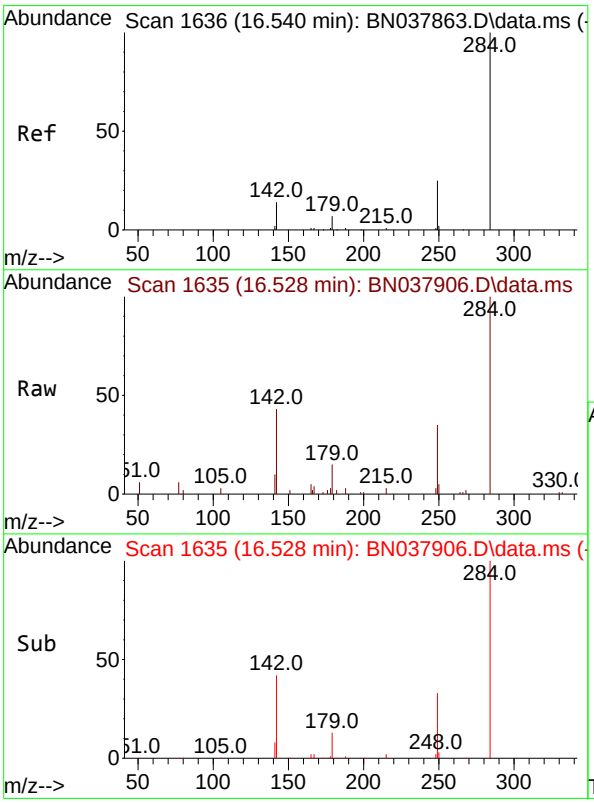
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:248 Resp: 5079

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.6	116.4
141	50.8	48.8	73.2

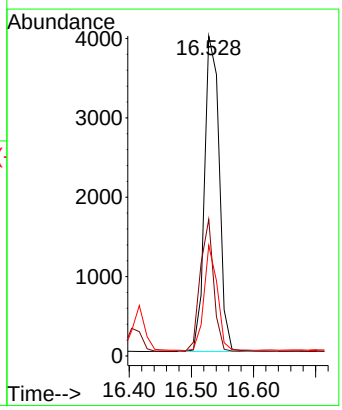


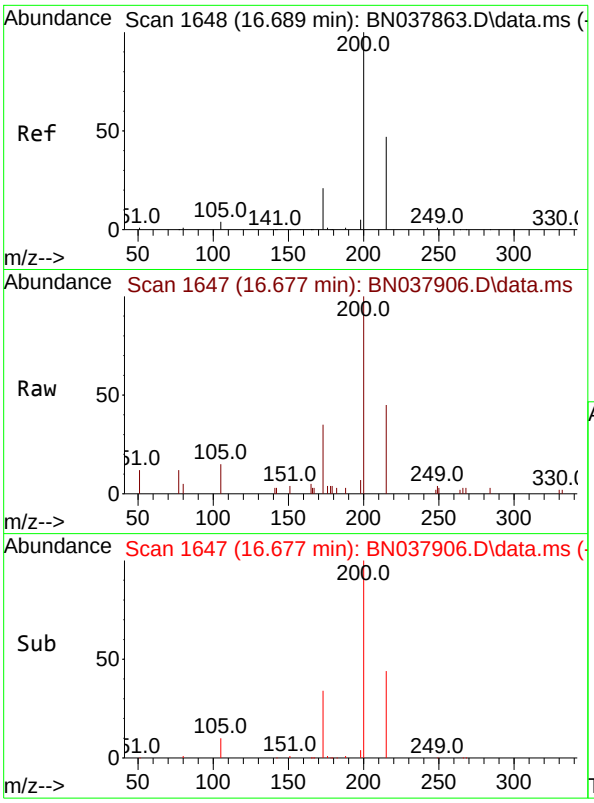


#22
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:284 Resp: 6552

Ion	Ratio	Lower	Upper
284	100		
142	38.0	30.9	46.3
249	30.3	23.9	35.9



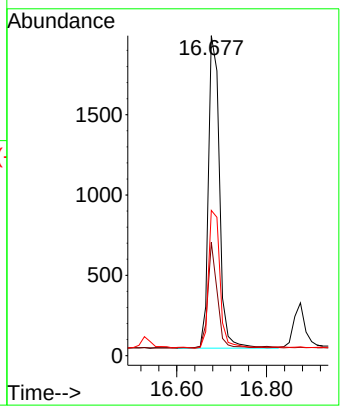


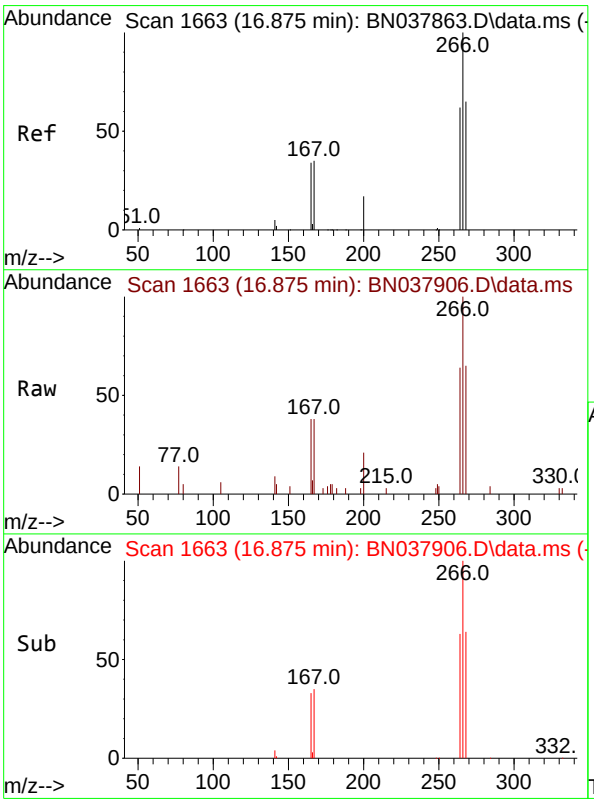
#23
Atrazine
Concen: 0.331 ng
RT: 16.677 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:200 Resp: 3327

Ion	Ratio	Lower	Upper
200	100		
173	35.4	18.3	27.5#
215	45.4	38.6	58.0

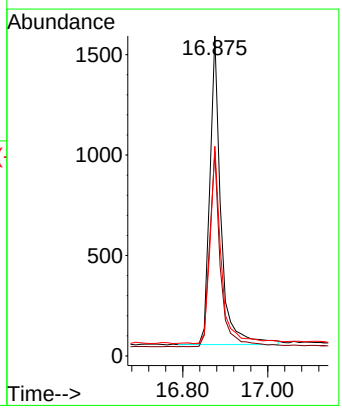


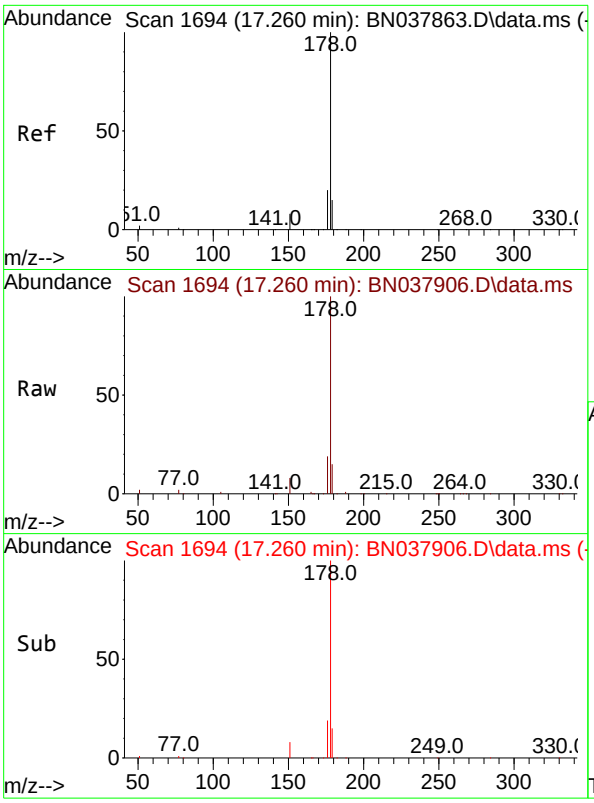


#24
Pentachlorophenol
Concen: 0.506 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:266 Resp: 2777

Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.9	76.3
268	64.2	54.3	81.5



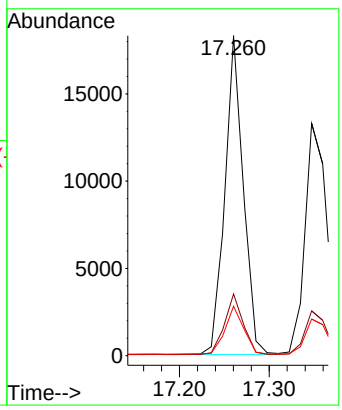


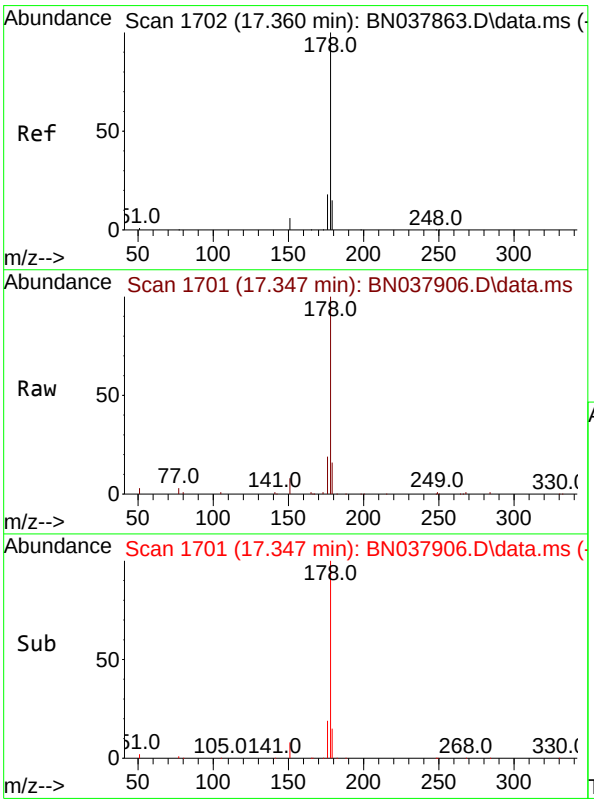
#25
Phenanthrene
Concen: 0.390 ng
RT: 17.260 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:178 Resp: 25976

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.3	12.3	18.5

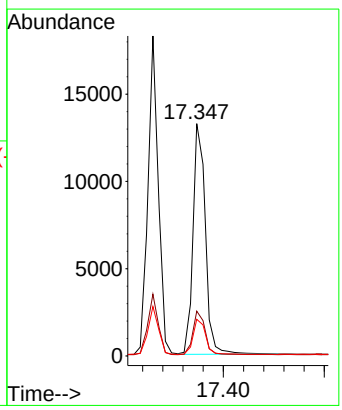


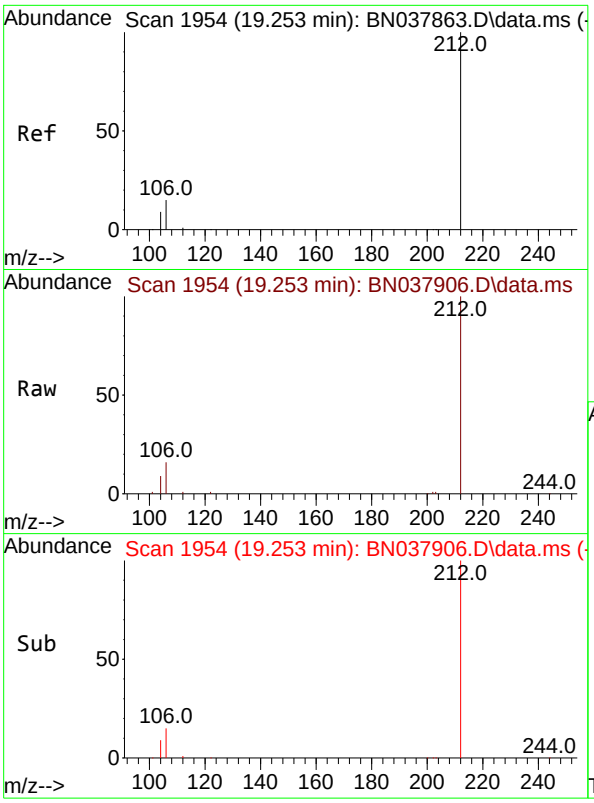


#26
Anthracene
Concen: 0.390 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:178 Resp: 22538

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5



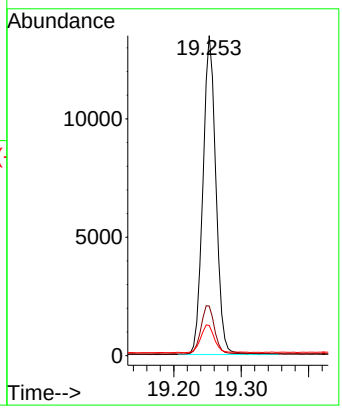


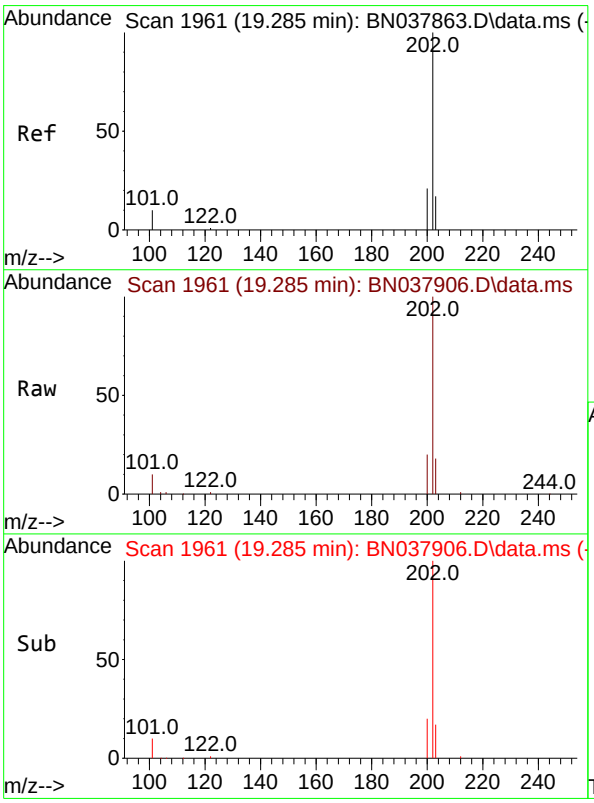
#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:212 Resp: 18053

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.0	7.4	11.0

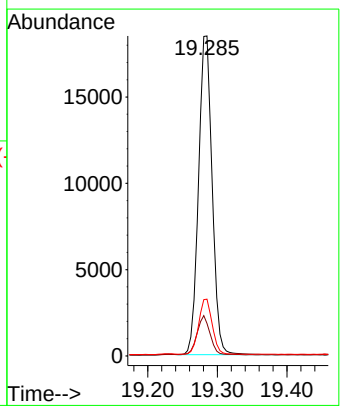


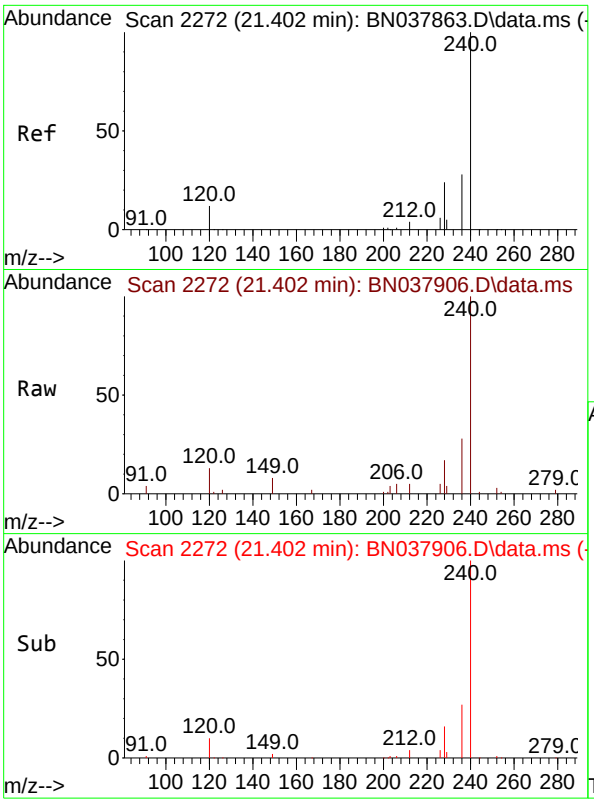


#28
Fluoranthene
Concen: 0.341 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:202 Resp: 25037

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
203	17.2	13.6	20.4



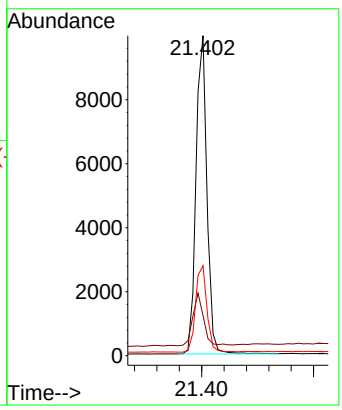


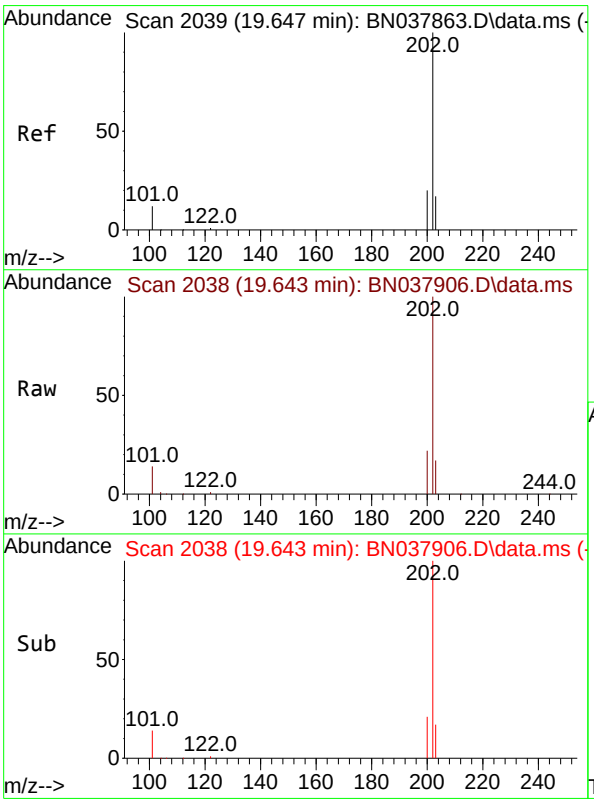
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:240 Resp: 13542

Ion	Ratio	Lower	Upper
240	100		
120	12.5	11.4	17.2
236	28.2	23.0	34.6

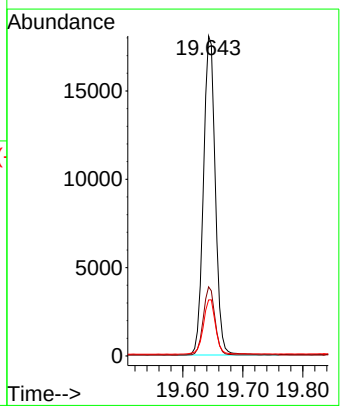


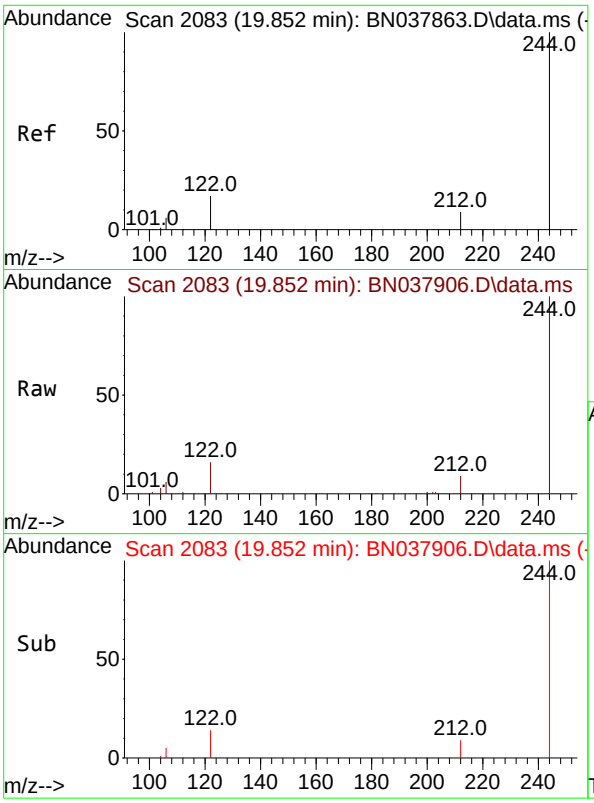


#30
Pyrene
Concen: 0.464 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:202 Resp: 24796

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.5	14.2	21.4



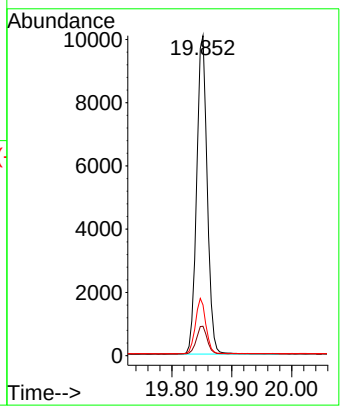


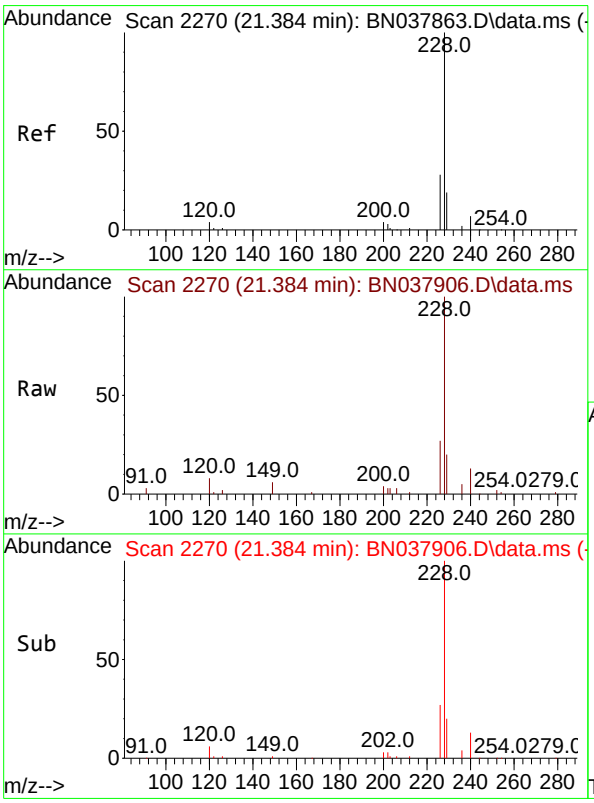
#31
Terphenyl-d14
Concen: 0.457 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:244 Resp: 12331

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	15.8	13.9	20.9

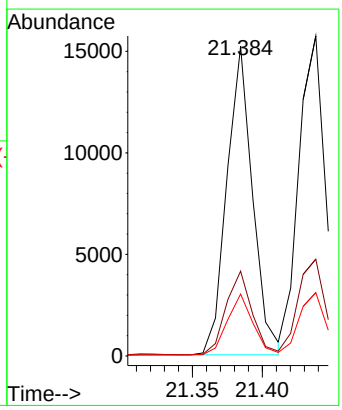


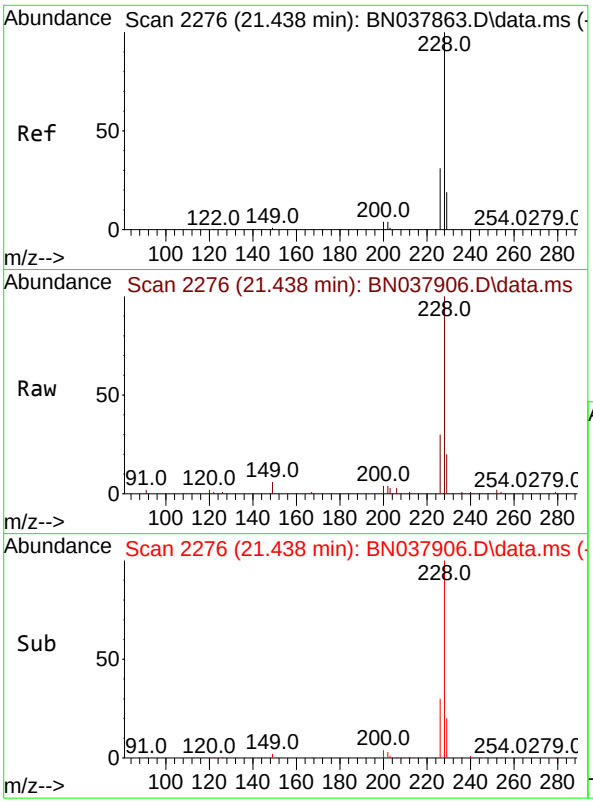


#32
Benzo(a)anthracene
Concen: 0.412 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:228 Resp: 19488

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.0	15.6	23.4



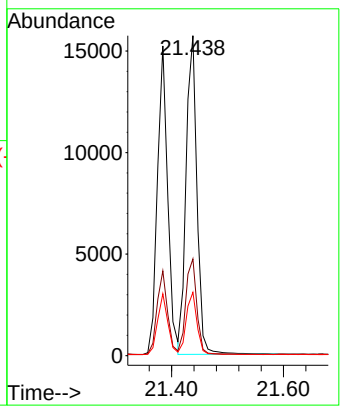


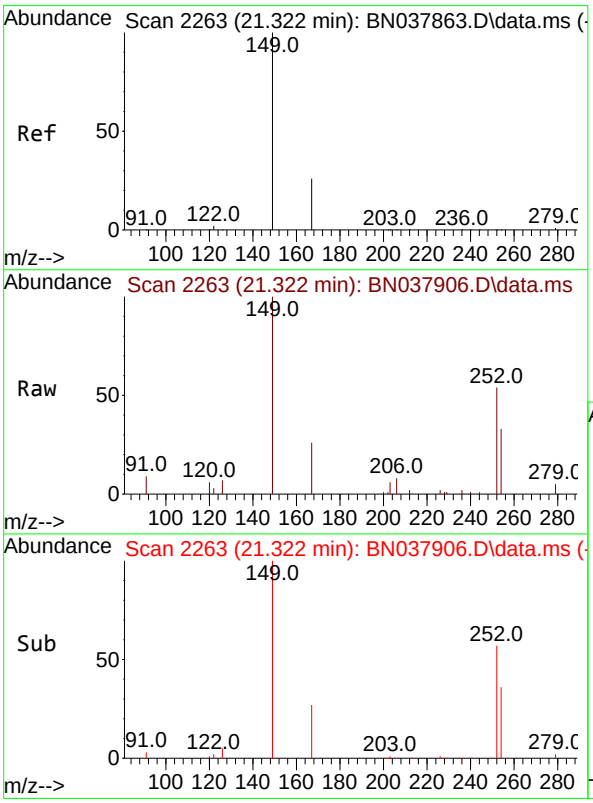
#33
Chrysene
Concen: 0.414 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:228 Resp: 21211

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	19.8	15.6	23.4

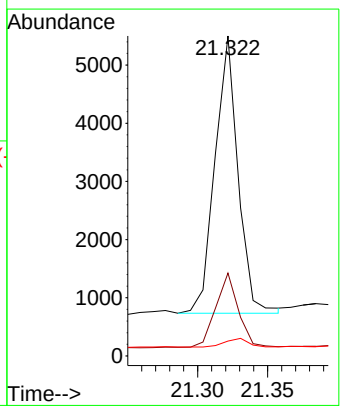


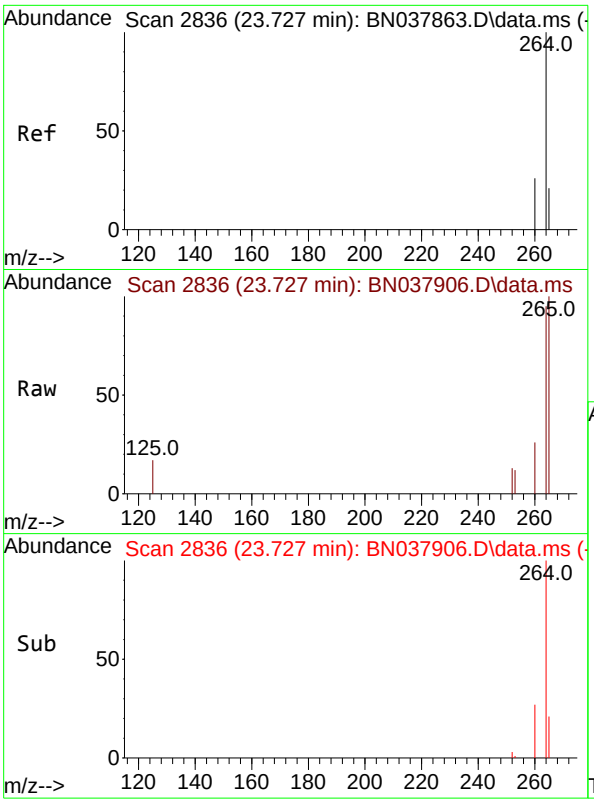


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.292 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:149 Resp: 5470

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.4	30.6
279	3.2	2.4	3.6



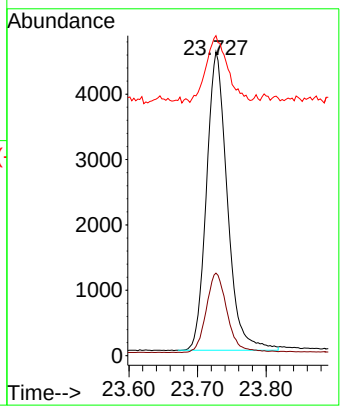


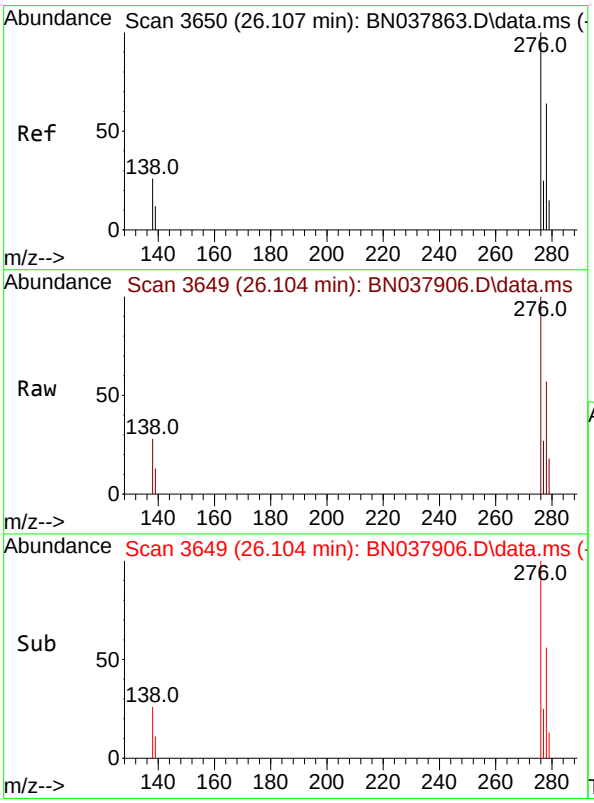
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:264 Resp: 9649

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.5	32.3
265	105.3	53.8	80.6#

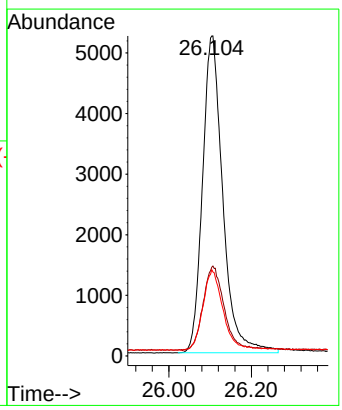


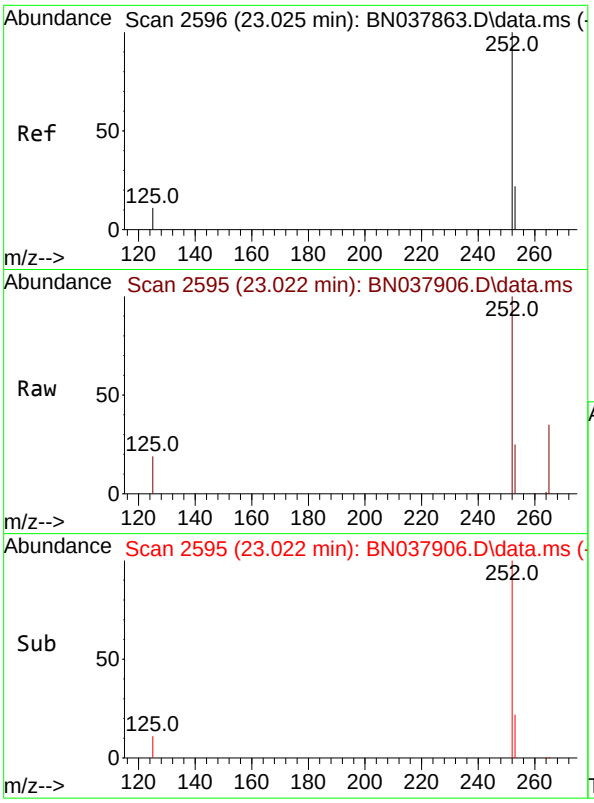


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.104 min Scan# 3649
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:276 Resp: 17847

Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.4	32.0
277	24.9	20.3	30.5



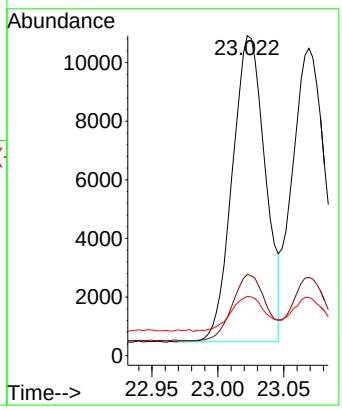


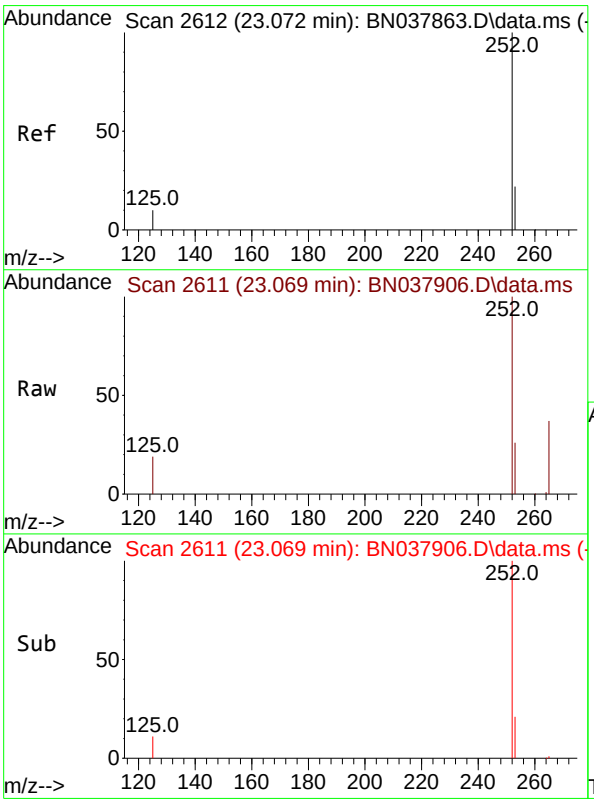
#37
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 23.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:252 Resp: 18110

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.4	29.0
125	18.5	13.0	19.4

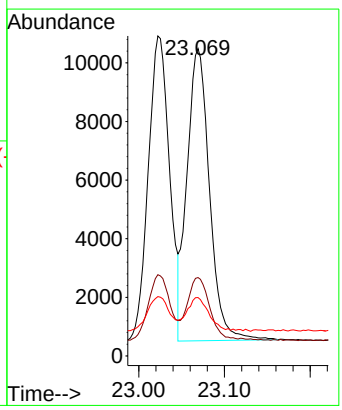


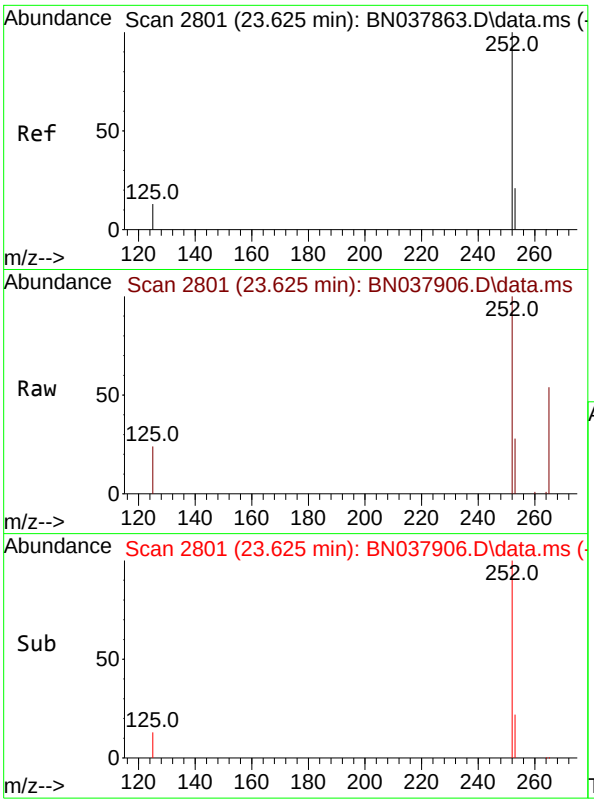


#38
Benzo(k)fluoranthene
Concen: 0.434 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:252 Resp: 18173

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.5	29.3
125	19.0	13.0	19.4



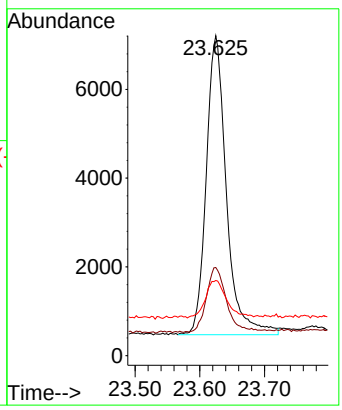


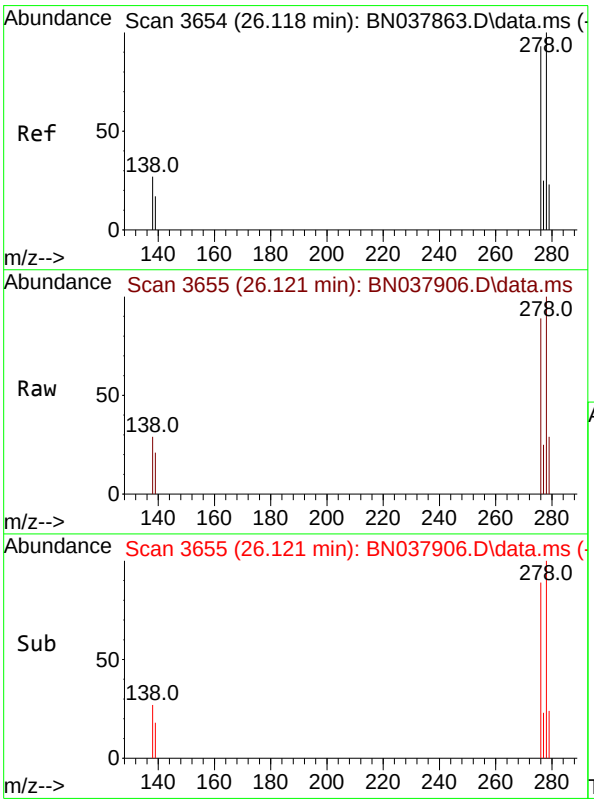
#39
Benzo(a)pyrene
Concen: 0.444 ng
RT: 23.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:252 Resp: 14612

Ion	Ratio	Lower	Upper
252	100		
253	27.6	20.6	30.8
125	23.5	16.7	25.1

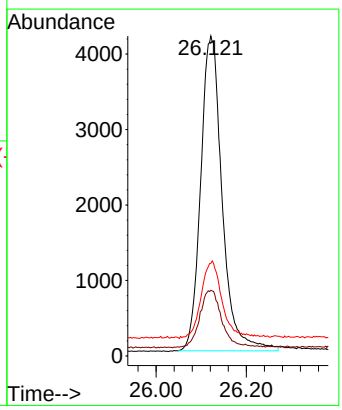


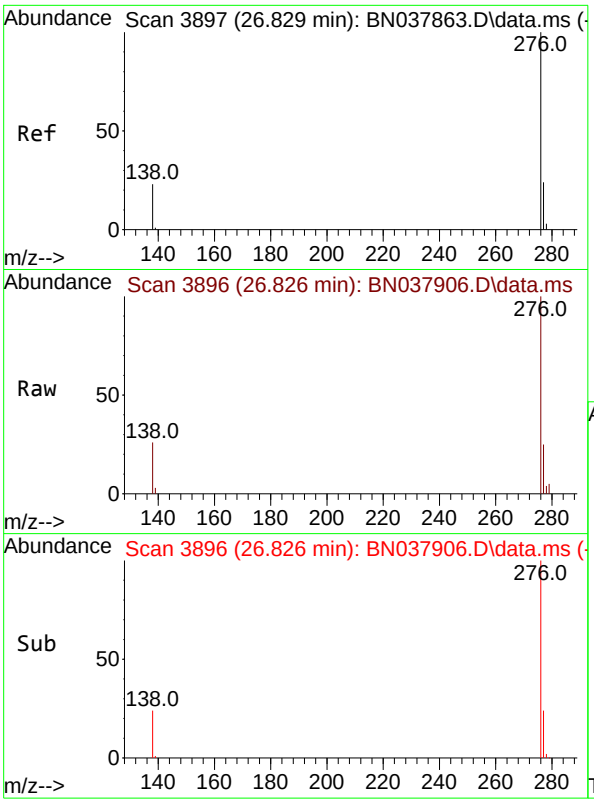


#40
Dibenzo(a,h)anthracene
Concen: 0.400 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:278 Resp: 13787

Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.4	23.2
279	29.0	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.426 ng
RT: 26.826 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:276 Resp: 15417

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.2	30.4
138	25.9	19.8	29.8