Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037886.D
Acq On : 25 Sep 2025 13:21
Operator : RC/JU
Sample : PB169793BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Quant Time: Sep 25 13:46:48 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	8698	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	23812	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	11731	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	23564	0.400	ng	0.00
29) Chrysene-d12	21.402	240	19236	0.400	ng	0.00
35) Perylene-d12	23.733	264	16484	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	6991	0.352	ng	0.00
5) Phenol-d6	6.980	99	9792	0.375	ng	0.00
8) Nitrobenzene-d5	8.971	82	6946	0.382	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	12131	0.367	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1446	0.325	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	18609	0.387	ng	0.00
27) Fluoranthene-d10	19.252	212	20365	0.344	ng	0.00
31) Terphenyl-d14	19.852	244	14620	0.382	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2871	0.325	ng	# 69
3) n-Nitrosodimethylamine	3.600	42	4141	0.353	ng	# 93
6) bis(2-Chloroethyl)ether	7.240	93	9041	0.373	ng	99
9) Naphthalene	10.669	128	23948	0.365	ng	100
10) Hexachlorobutadiene	10.978	225	4338	0.388	ng	# 99
12) 2-Methylnaphthalene	12.293	142	13672	0.319	ng	99
16) Acenaphthylene	14.195	152	20913	0.393	ng	100
17) Acenaphthene	14.537	154	13572	0.358	ng	100
18) Fluorene	15.522	166	16931	0.369	ng	98
20) 4,6-Dinitro-2-methylph...	15.597	198	979	0.390	ng	90
21) 4-Bromophenyl-phenylether	16.416	248	5241	0.341	ng	98
22) Hexachlorobenzene	16.540	284	6777	0.364	ng	100
23) Atrazine	16.689	200	3753	0.321	ng	99
24) Pentachlorophenol	16.875	266	3469	0.543	ng	98
25) Phenanthrene	17.260	178	28221	0.364	ng	99
26) Anthracene	17.359	178	24379	0.362	ng	100
28) Fluoranthene	19.285	202	28988	0.339	ng	99
30) Pyrene	19.647	202	28351	0.373	ng	100
32) Benzo(a)anthracene	21.384	228	24976	0.371	ng	100
33) Chrysene	21.438	228	27763	0.382	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	8522	0.320	ng	99
36) Indeno(1,2,3-cd)pyrene	26.107	276	28935	0.384	ng	99
37) Benzo(b)fluoranthene	23.028	252	26824	0.377	ng	99
38) Benzo(k)fluoranthene	23.072	252	26697	0.373	ng	99
39) Benzo(a)pyrene	23.627	252	21646	0.385	ng	97
40) Dibenzo(a,h)anthracene	26.124	278	22543	0.383	ng	100
41) Benzo(g,h,i)perylene	26.835	276	23403	0.379	ng	99

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

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Instrument :
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Quant Time: Sep 25 13:46:48 2025
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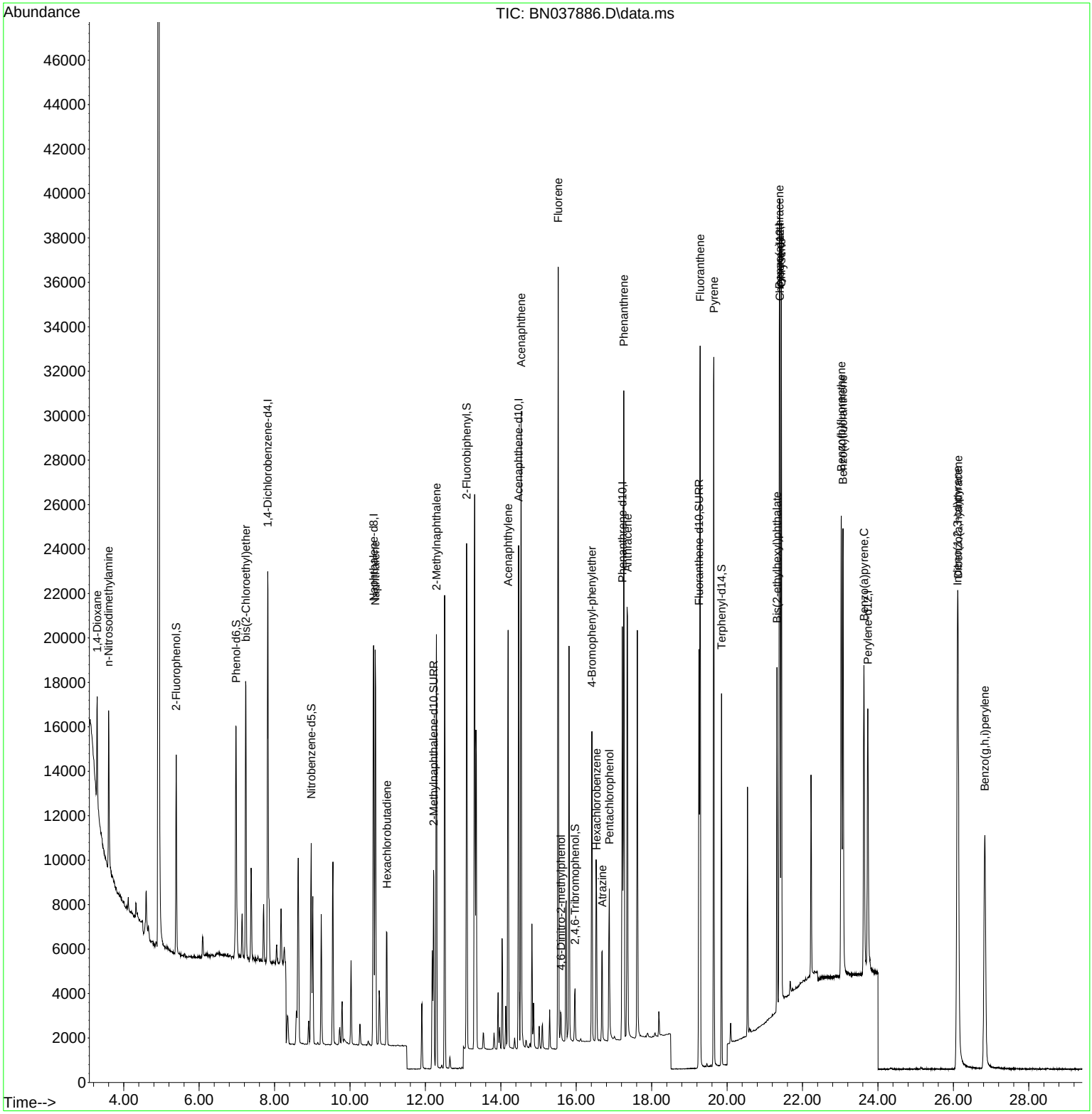
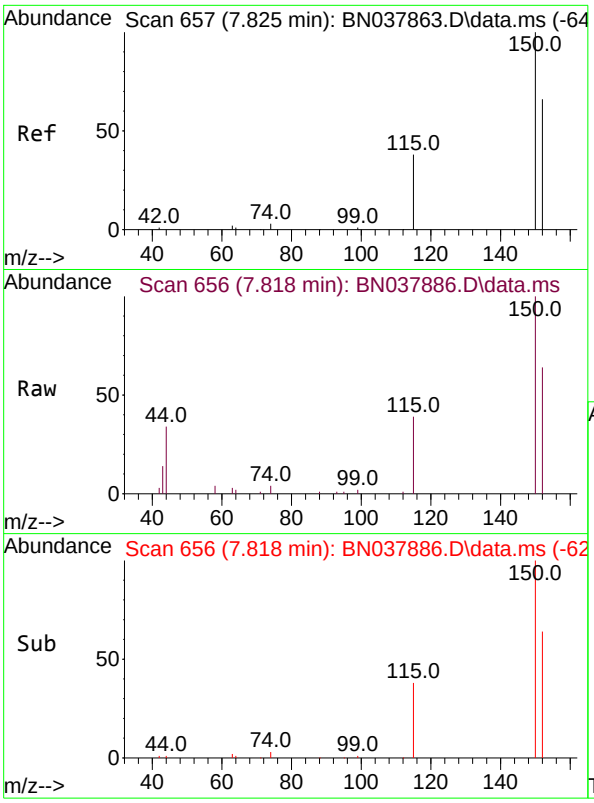
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



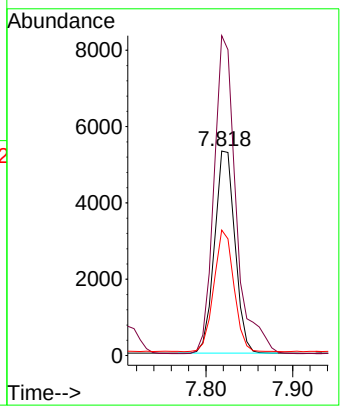


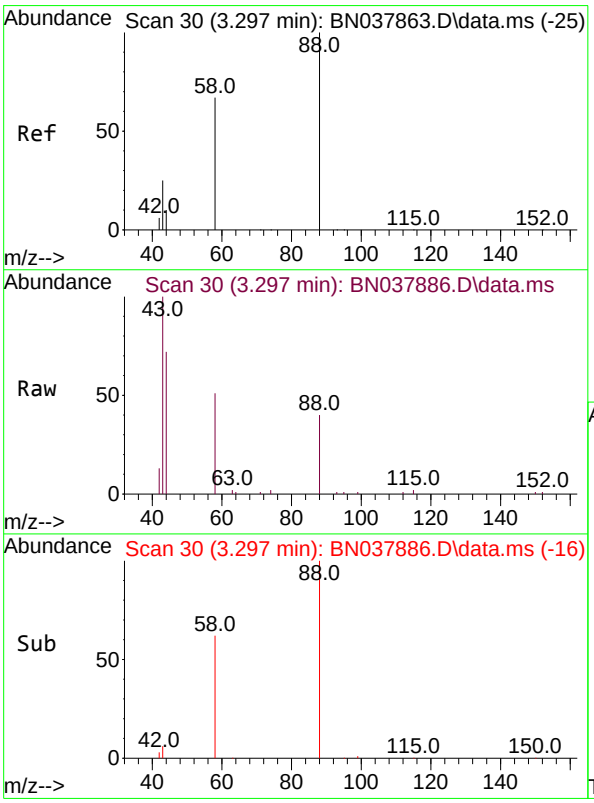
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:152 Resp: 8698

Ion	Ratio	Lower	Upper
152	100		
150	156.4	121.0	181.4
115	61.3	47.4	71.0

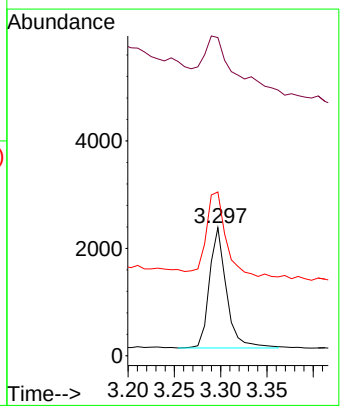


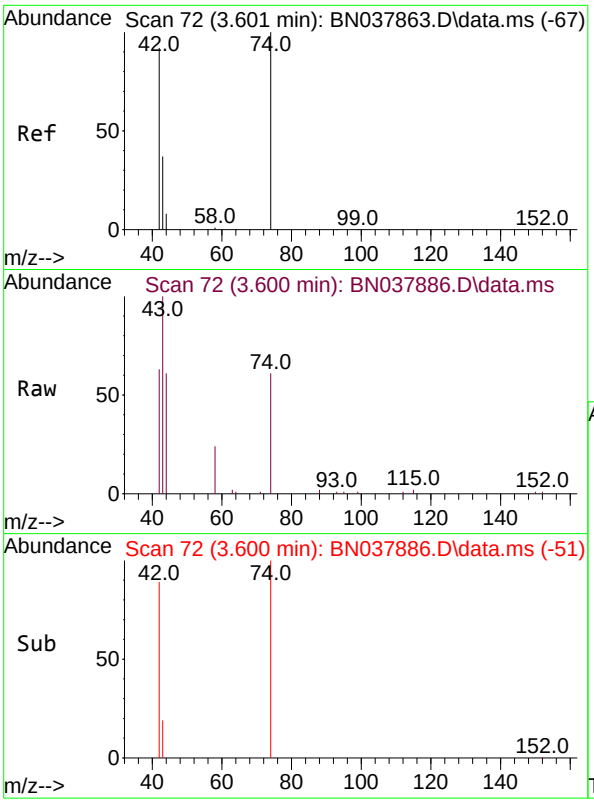


#2
1,4-Dioxane
Concen: 0.325 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion: 88 Resp: 2871

Ion	Ratio	Lower	Upper
88	100		
43	75.1	26.6	39.8#
58	83.4	58.9	88.3



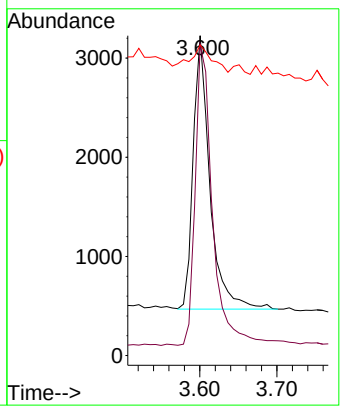


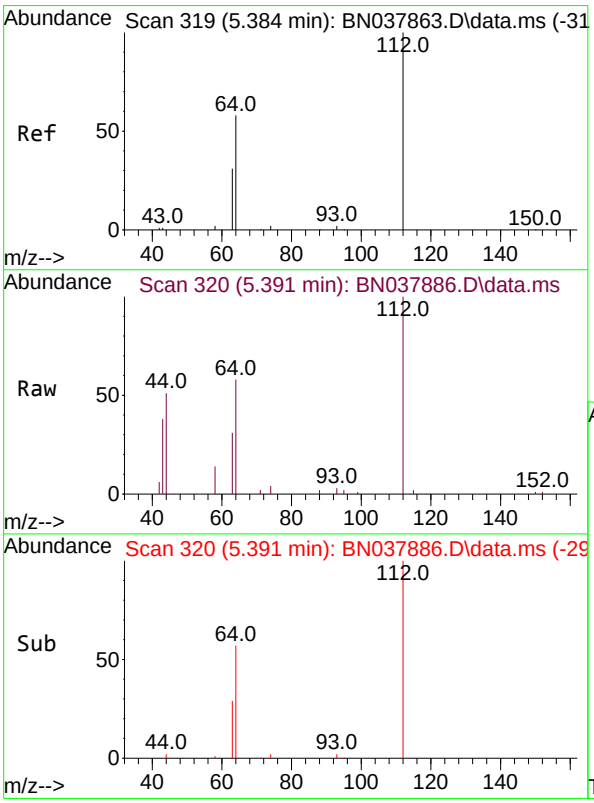
#3
n-Nitrosodimethylamine
Concen: 0.353 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion: 42 Resp: 4141

Ion	Ratio	Lower	Upper
42	100		
74	115.0	93.4	140.0
44	12.4	22.2	33.4#

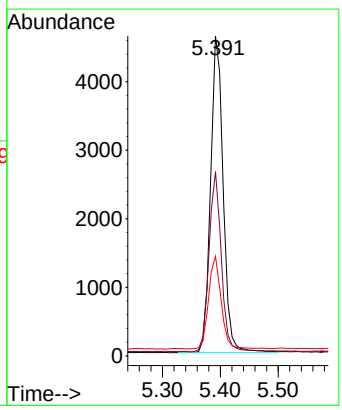


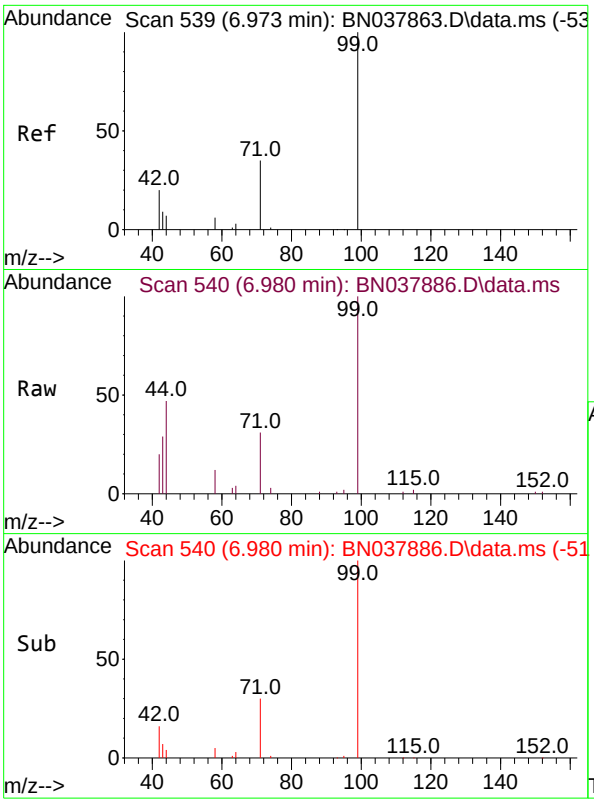


#4
2-Fluorophenol
Concen: 0.352 ng
RT: 5.391 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:112 Resp: 6991

Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.6	66.8
63	29.0	24.9	37.3



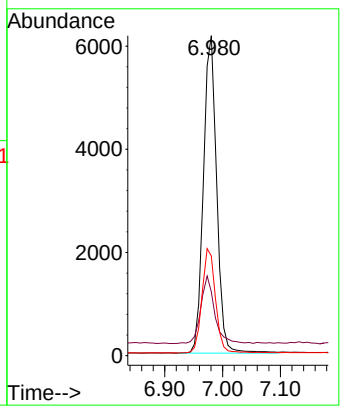


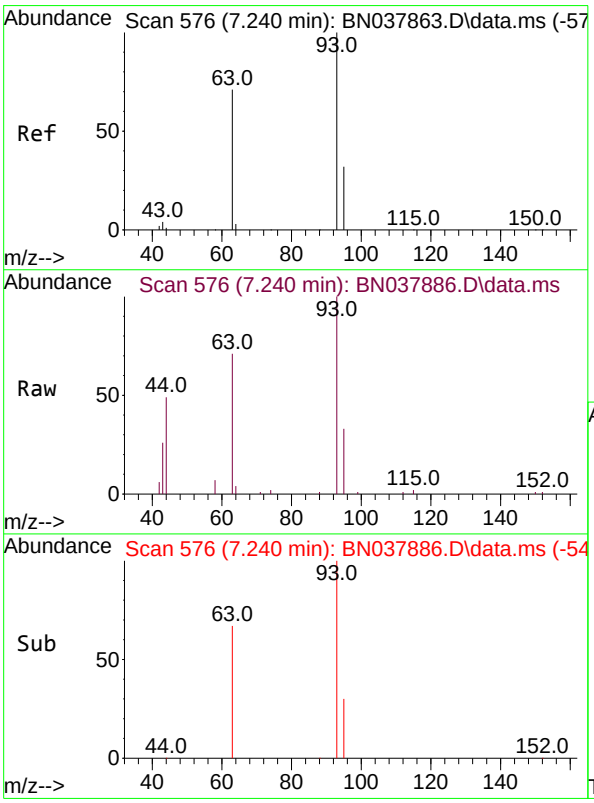
#5
Phenol-d6
Concen: 0.375 ng
RT: 6.980 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion: 99 Resp: 9792

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.2	25.8
71	33.4	27.3	40.9

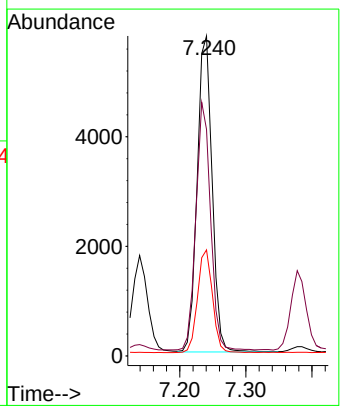


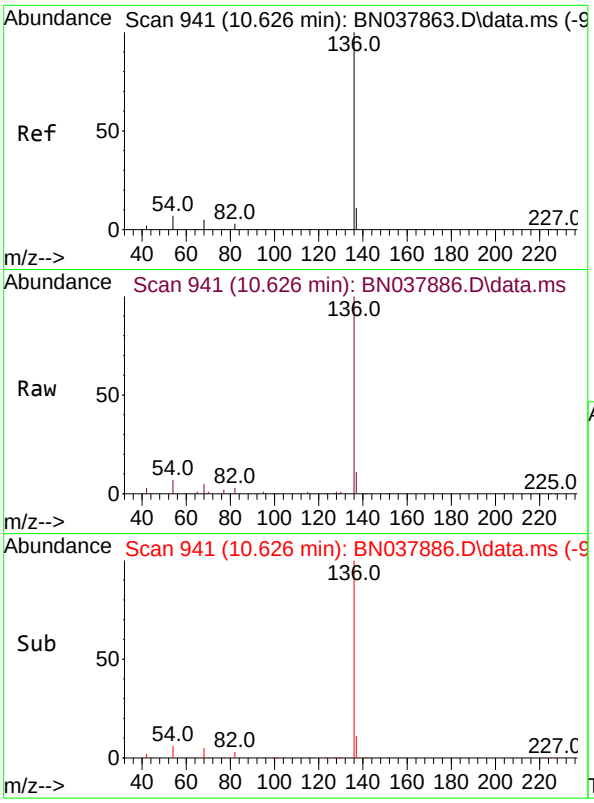


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion: 93 Resp: 9041

Ion	Ratio	Lower	Upper
93	100		
63	76.4	60.1	90.1
95	32.5	25.4	38.2



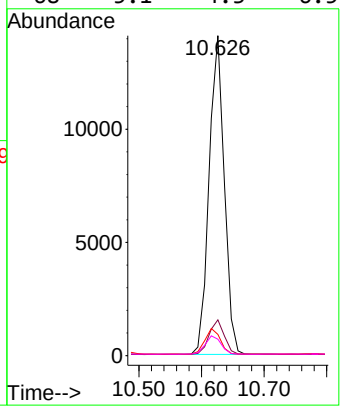


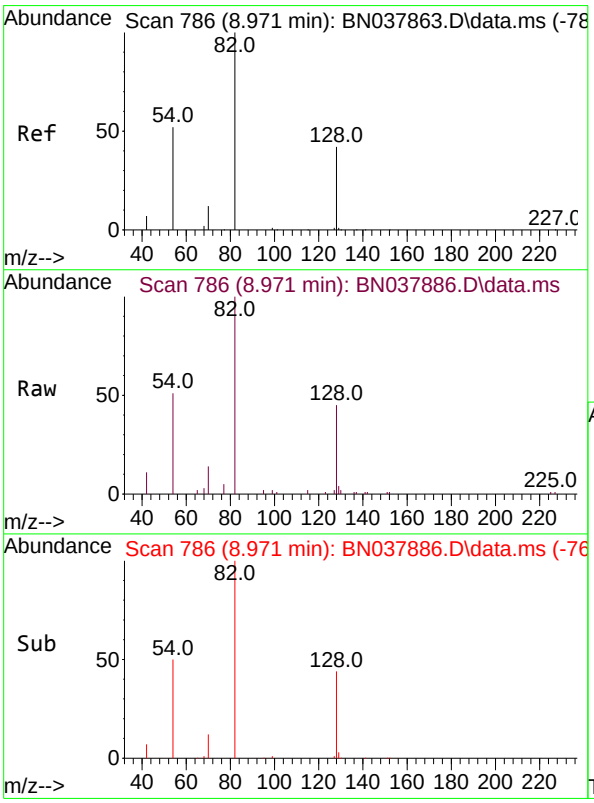
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:136 Resp: 23812

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.6	5.8	8.8
68	5.1	4.3	6.5

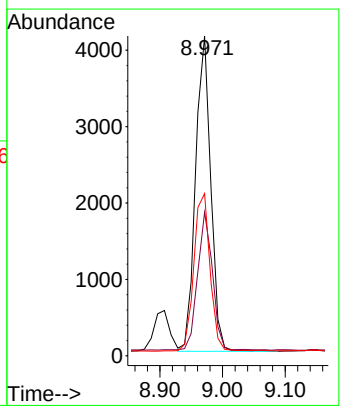


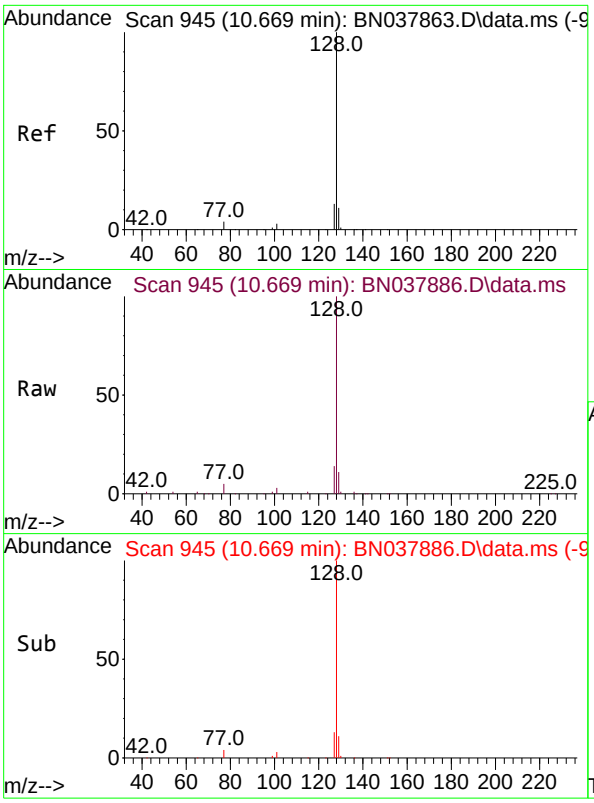


#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion: 82 Resp: 6946

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.8	52.2
54	50.7	42.2	63.2



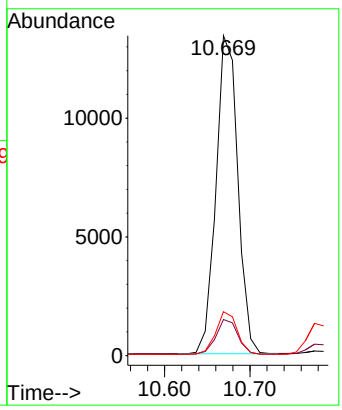


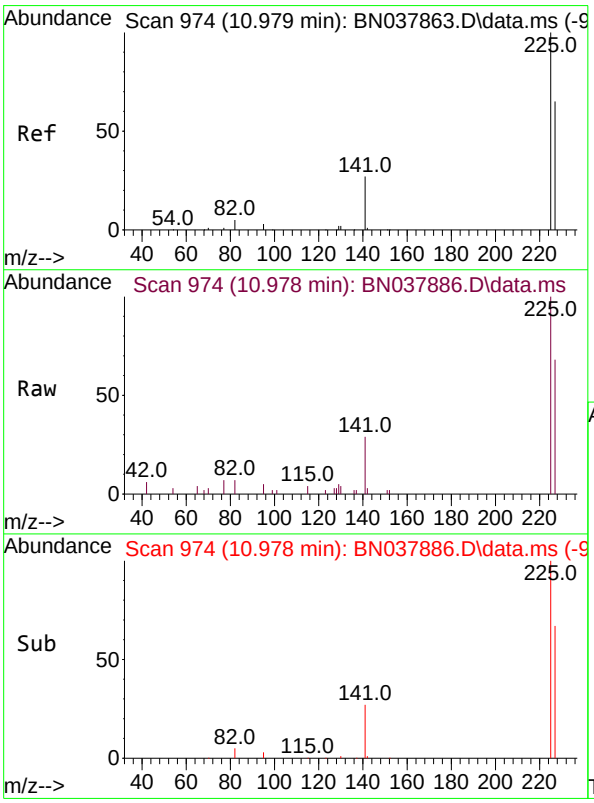
#9
Naphthalene
Concen: 0.365 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:128 Resp: 23948

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.7	11.0	16.6

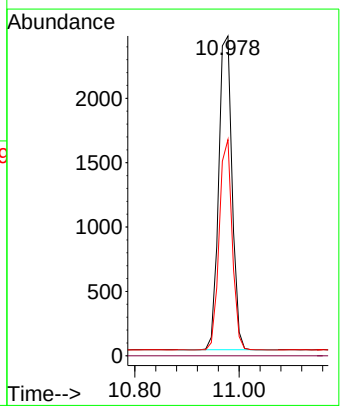


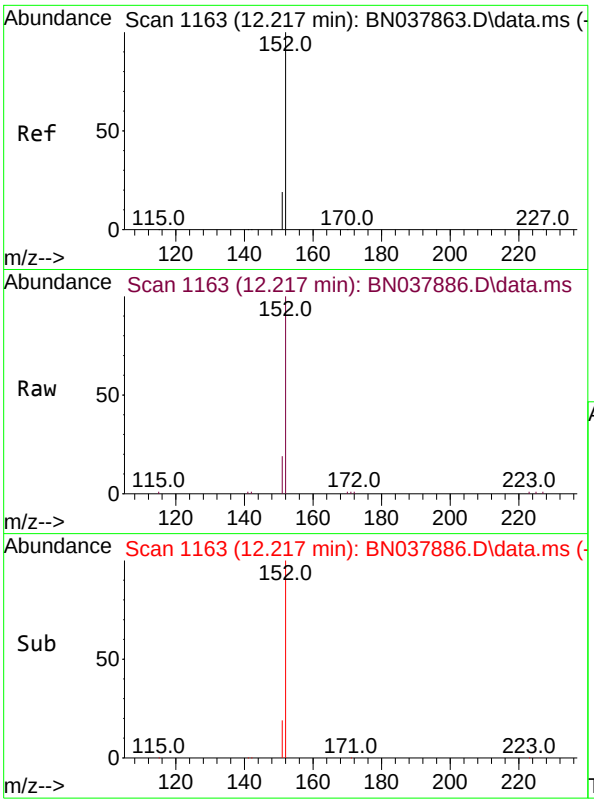


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 10.978 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:225 Resp: 4338

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.4	77.2



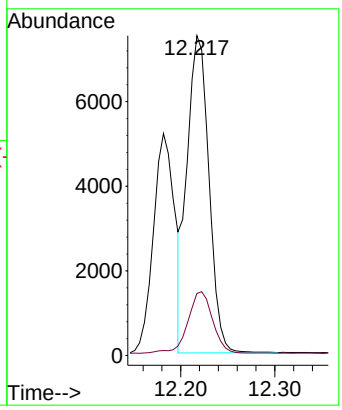


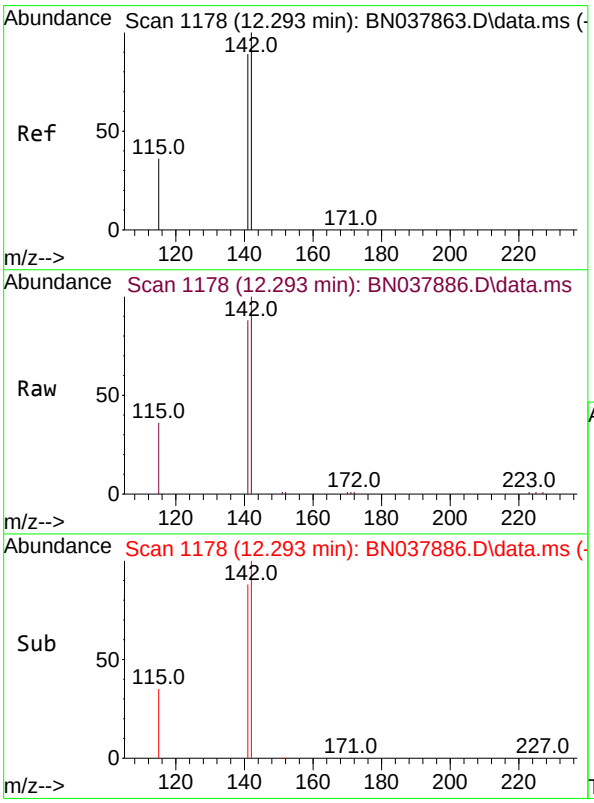
#11
2-Methylnaphthalene-d10
Concen: 0.367 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:152 Resp: 12131

Ion	Ratio	Lower	Upper
152	100		
151	22.3	17.4	26.2

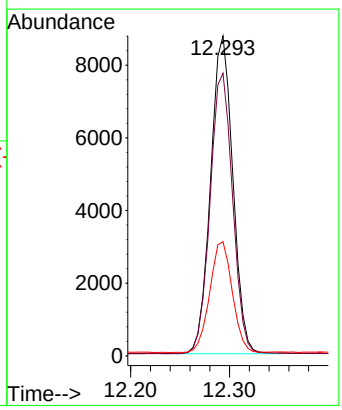


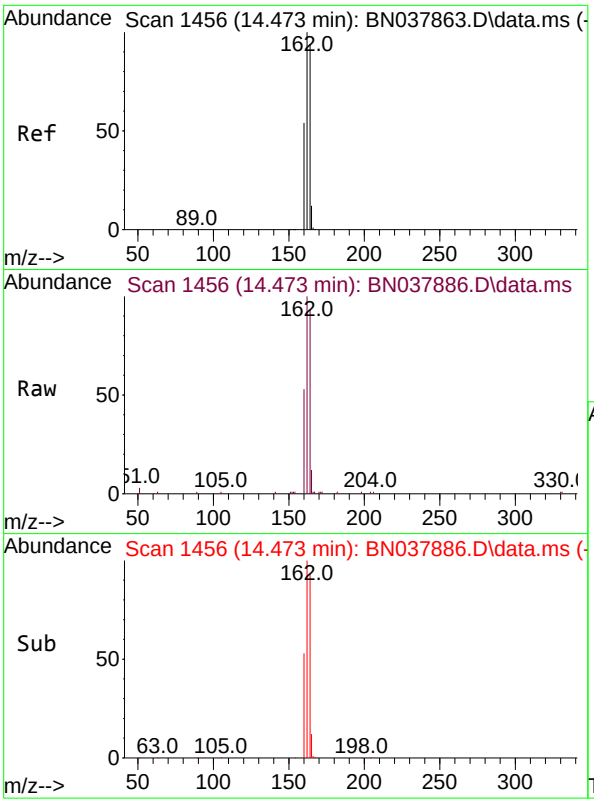


#12
2-Methylnaphthalene
Concen: 0.319 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:142 Resp: 13672

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8
115	35.7	29.7	44.5



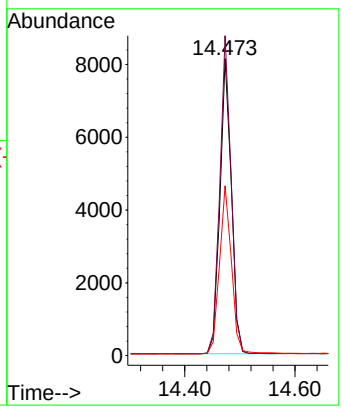


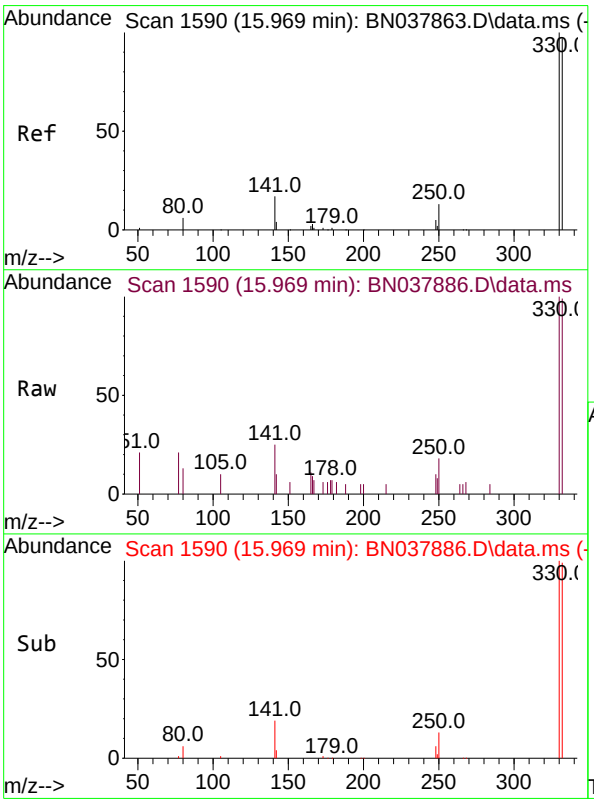
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:164 Resp: 11731

Ion	Ratio	Lower	Upper
164	100		
162	107.7	84.8	127.2
160	57.2	46.1	69.1

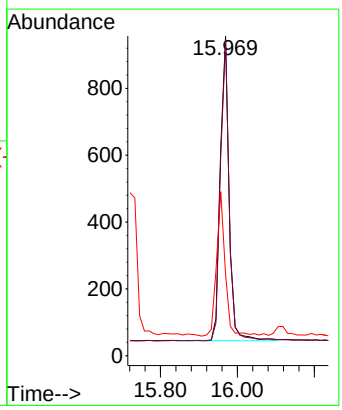


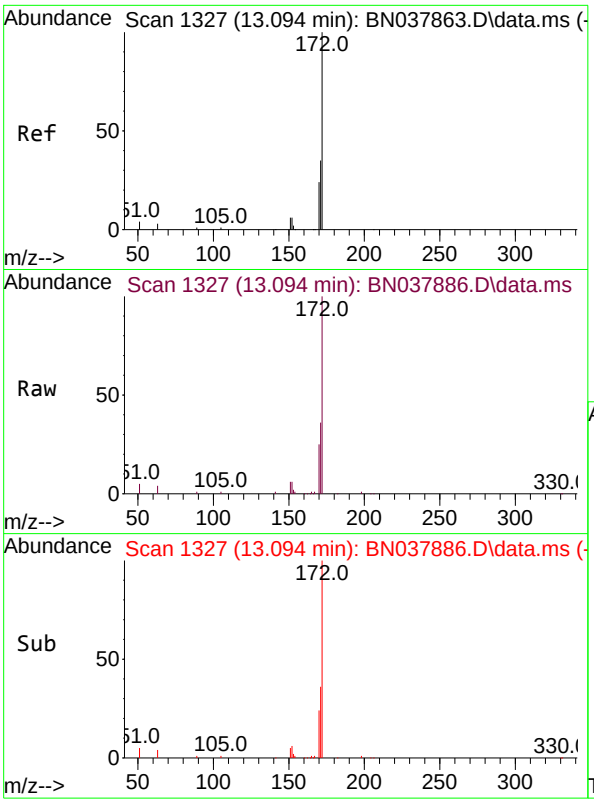


#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:330 Resp: 1446

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.2	115.8
141	46.7	37.2	55.8



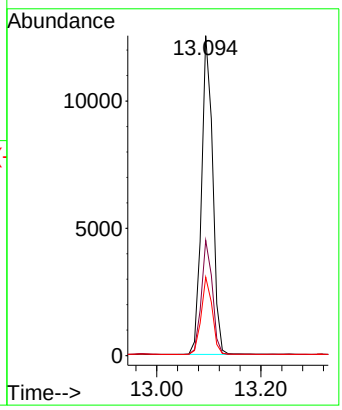


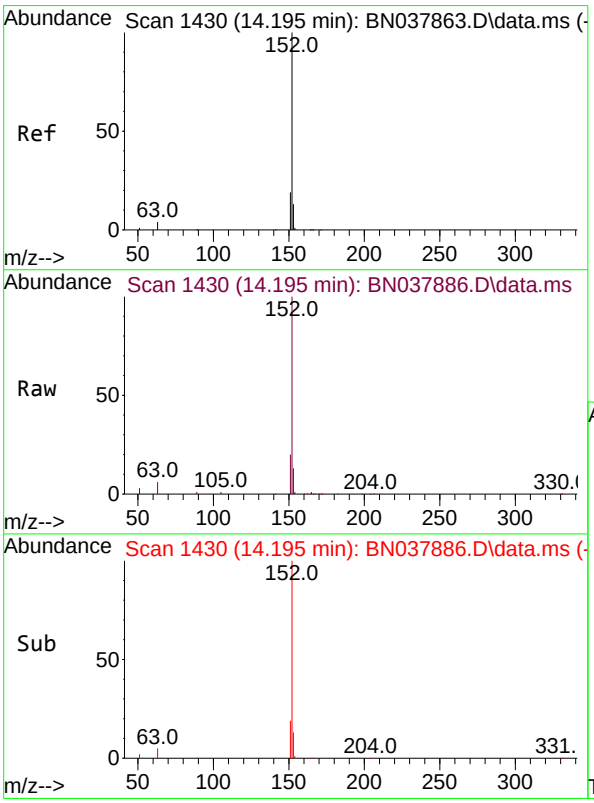
#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:172 Resp: 18609

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.5	19.7	29.5

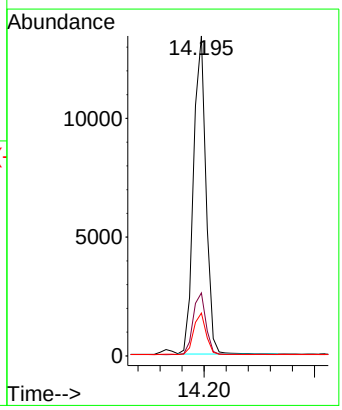


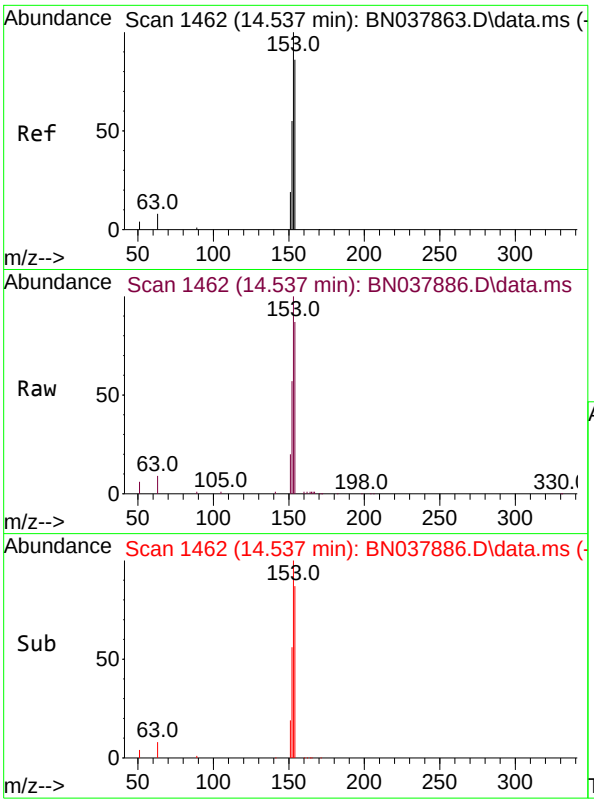


#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:152 Resp: 20913

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.0	10.5	15.7



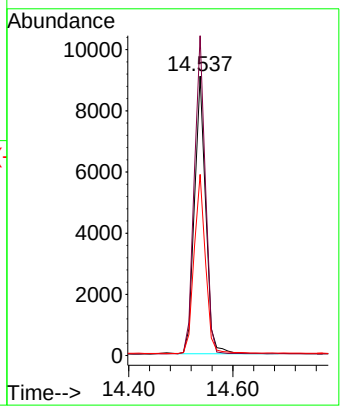


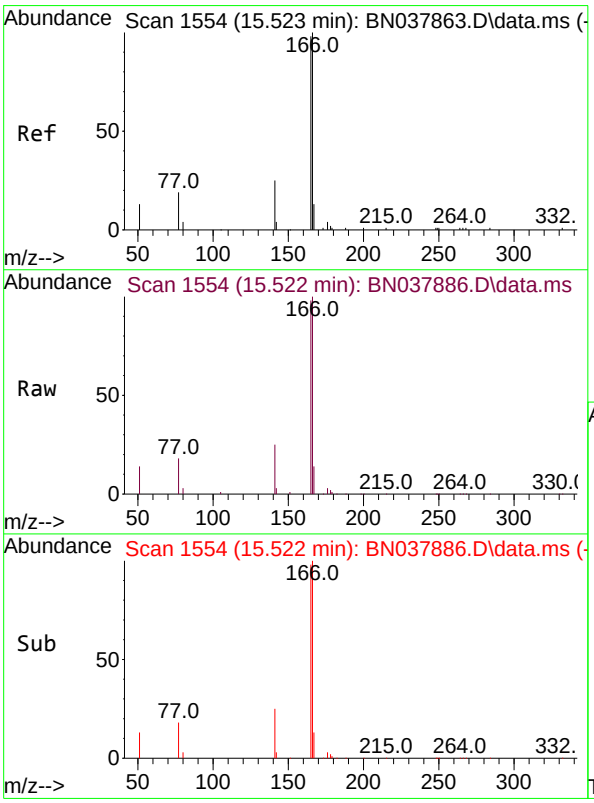
#17
Acenaphthene
Concen: 0.358 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:154 Resp: 13572

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.5	135.7
152	65.3	51.8	77.8

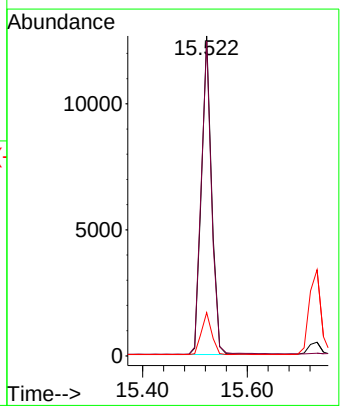


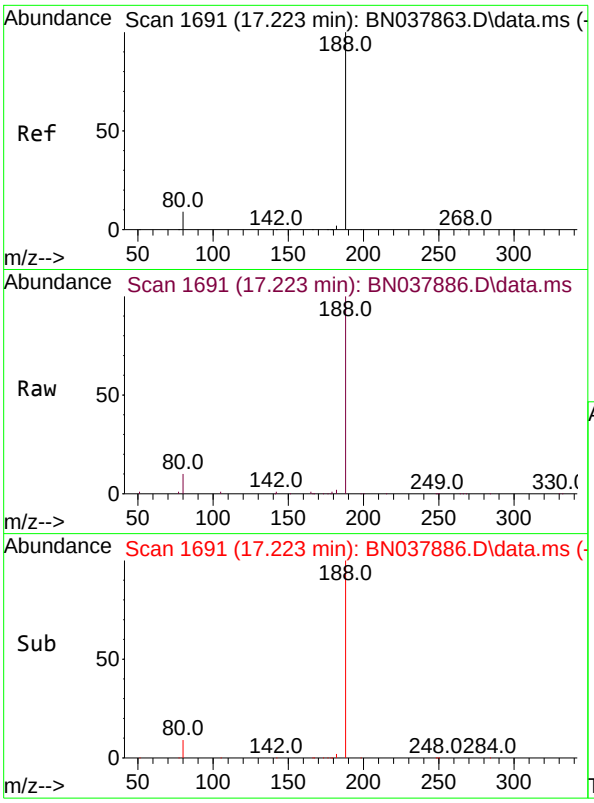


#18
Fluorene
Concen: 0.369 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:166 Resp: 16931

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.0	118.4
167	12.8	10.6	16.0



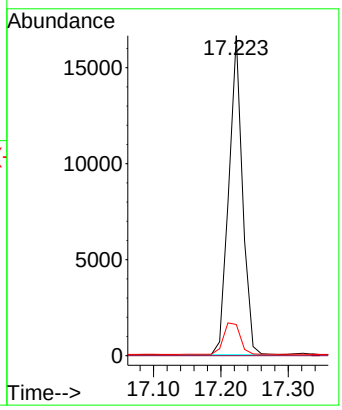


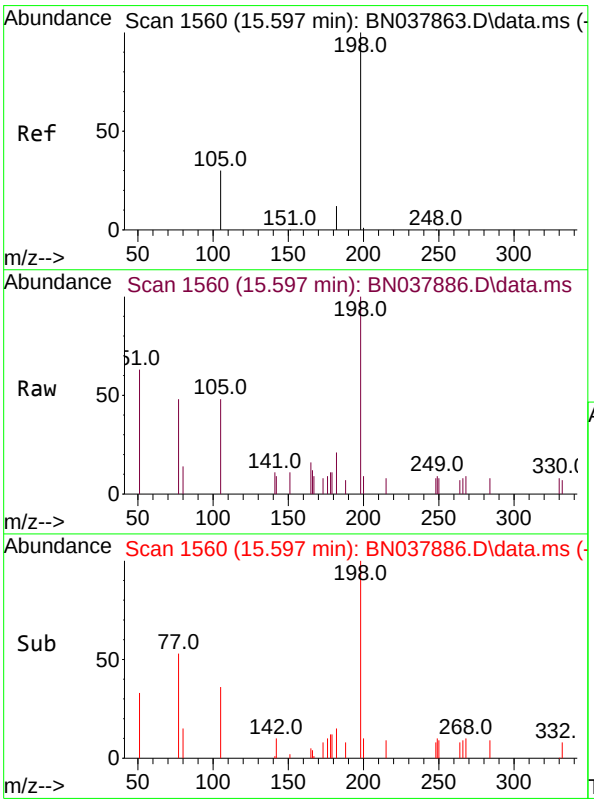
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:188 Resp: 23564

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	7.6	11.4

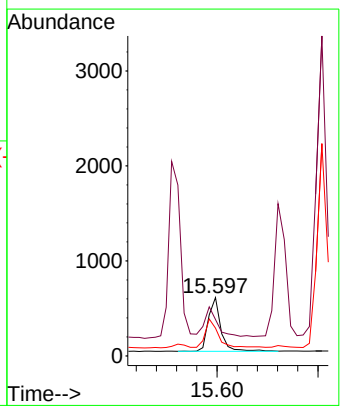


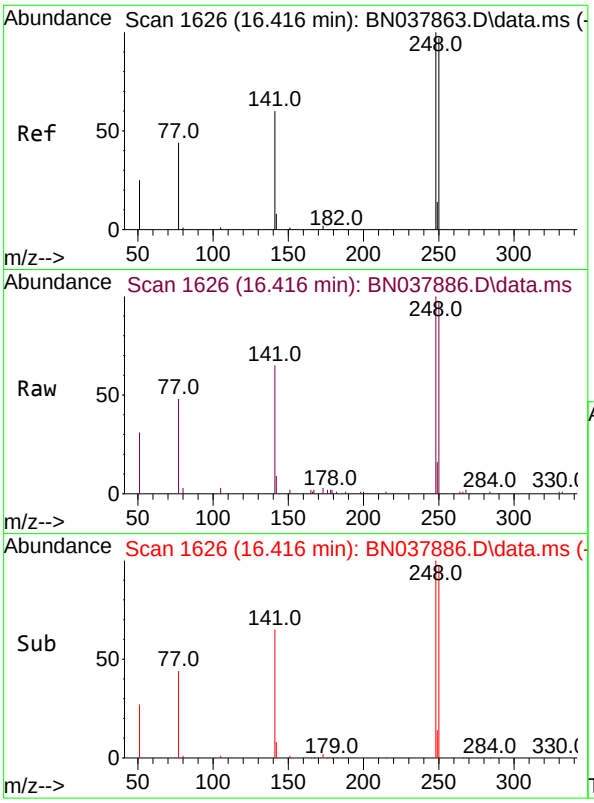


#20
4,6-Dinitro-2-methylphenol
Concen: 0.390 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:198 Resp: 979

Ion	Ratio	Lower	Upper
198	100		
51	62.5	59.1	88.7
105	47.7	41.3	61.9



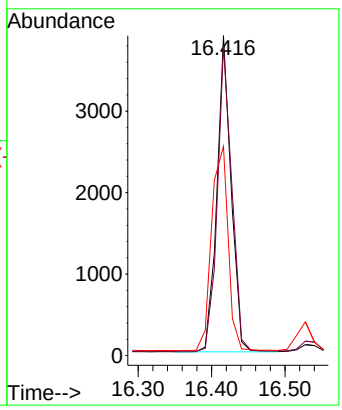


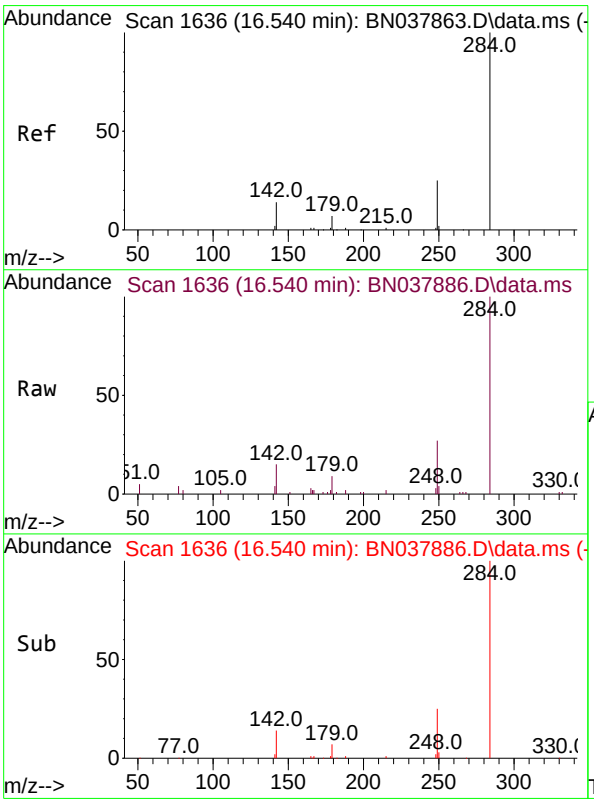
#21
4-Bromophenyl-phenylether
Concen: 0.341 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:248 Resp: 5241

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.6	116.4
141	65.4	48.8	73.2

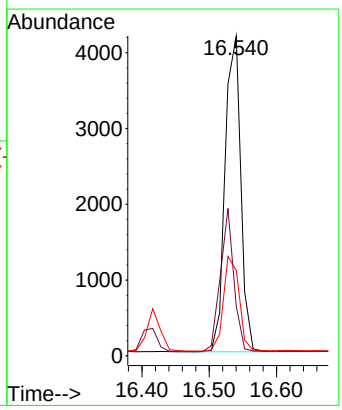


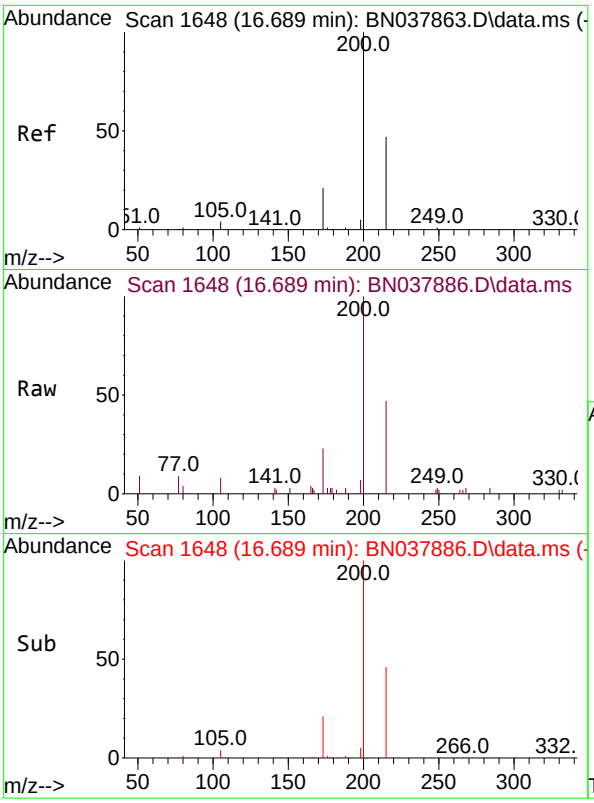


#22
Hexachlorobenzene
Concen: 0.364 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:284 Resp: 6777

Ion	Ratio	Lower	Upper
284	100		
142	39.1	30.9	46.3
249	29.9	23.9	35.9



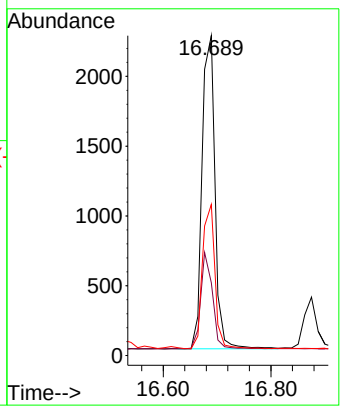


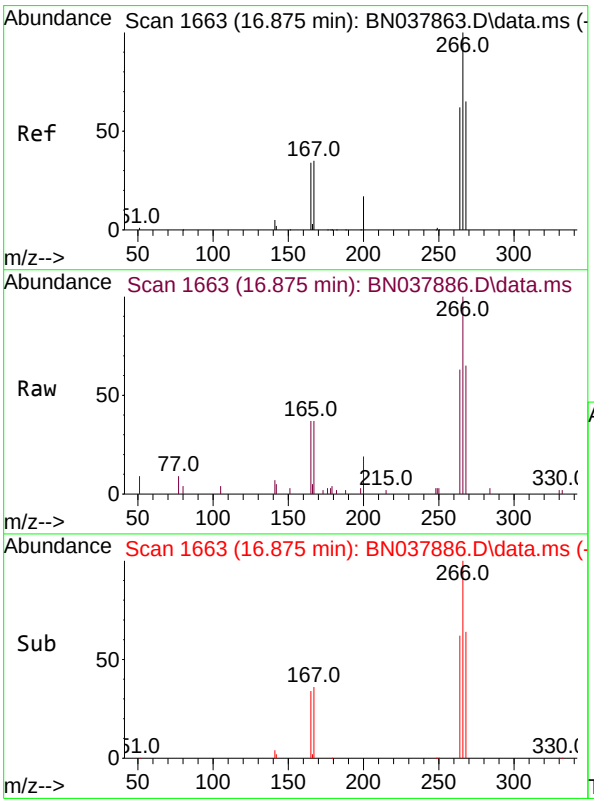
#23
Atrazine
Concen: 0.321 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:200 Resp: 3753

Ion	Ratio	Lower	Upper
200	100		
173	22.8	18.3	27.5
215	47.2	38.6	58.0

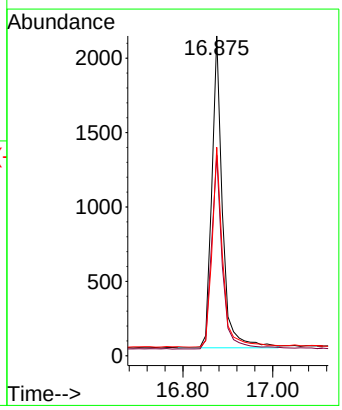


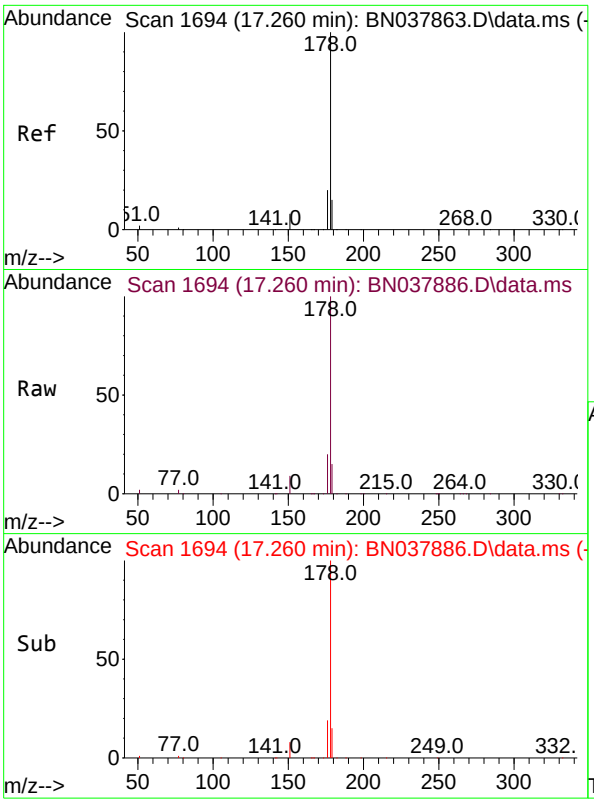


#24
Pentachlorophenol
Concen: 0.543 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:266 Resp: 3469

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.9	76.3
268	64.3	54.3	81.5



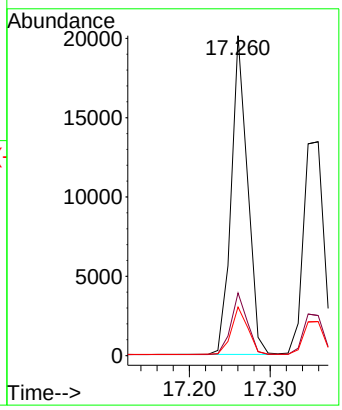


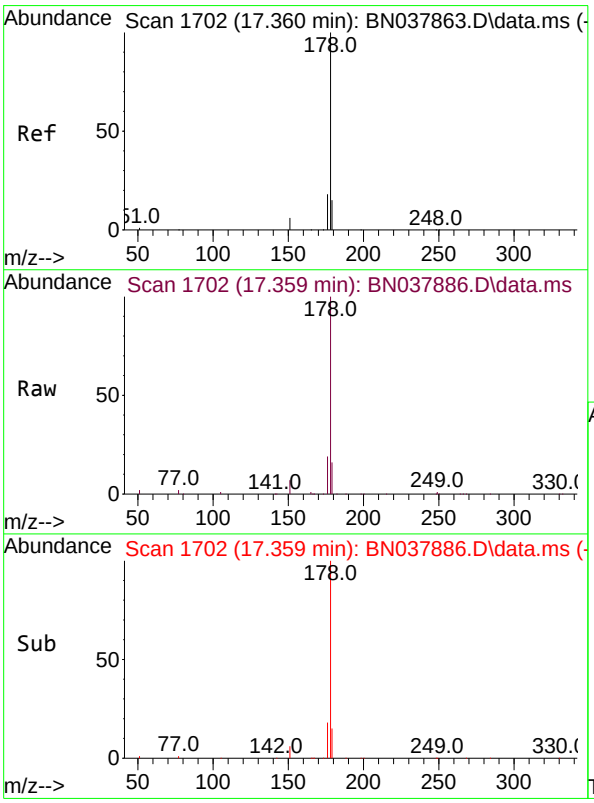
#25
Phenanthrene
Concen: 0.364 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:178 Resp: 28221

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.1	12.3	18.5

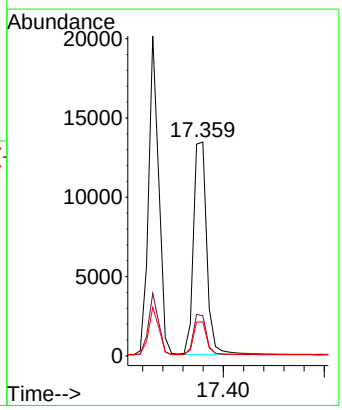


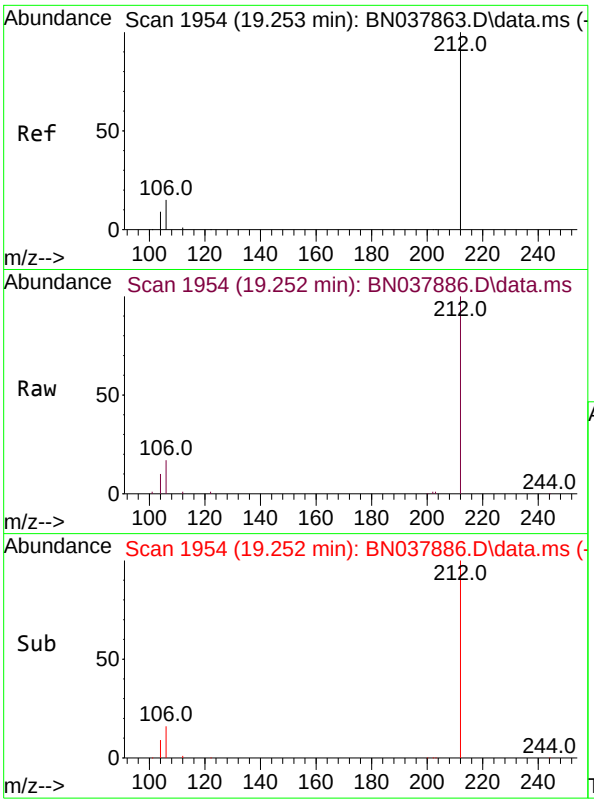


#26
Anthracene
Concen: 0.362 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:178 Resp: 24379

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.3	12.3	18.5



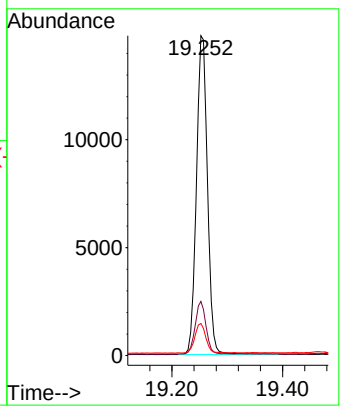


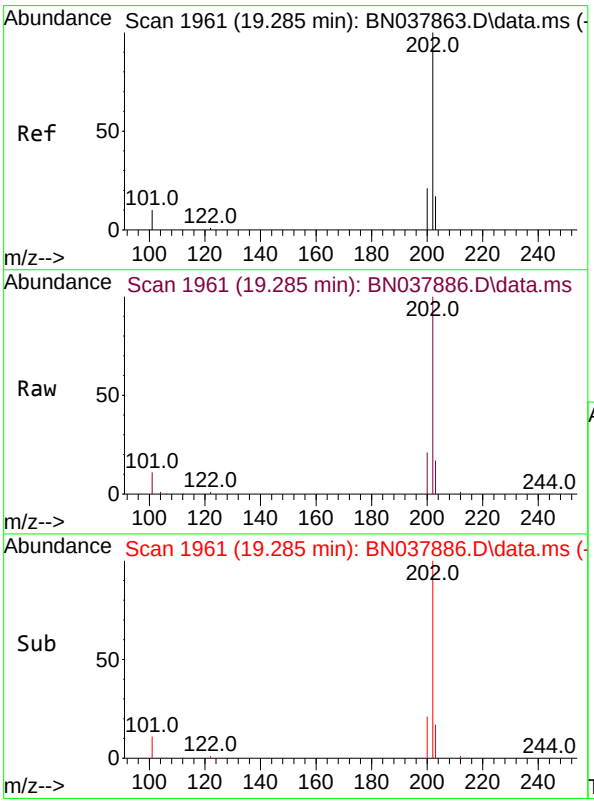
#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.252 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:212 Resp: 20365

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.6	19.0
104	9.3	7.4	11.0

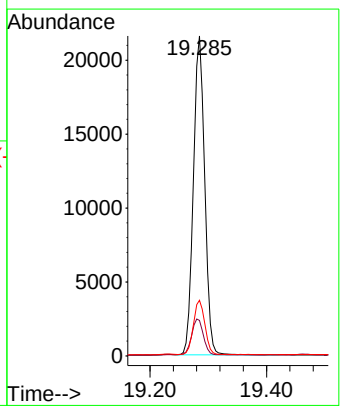


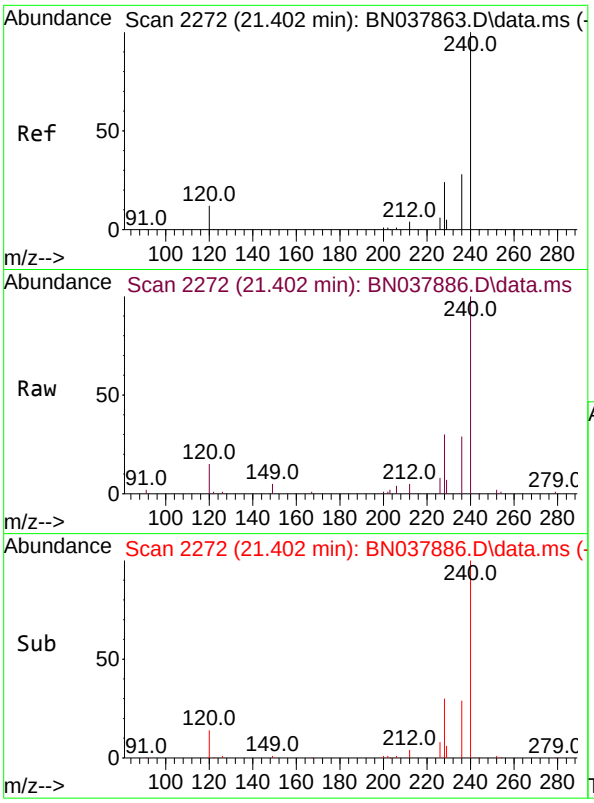


#28
Fluoranthene
Concen: 0.339 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:202 Resp: 28988

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



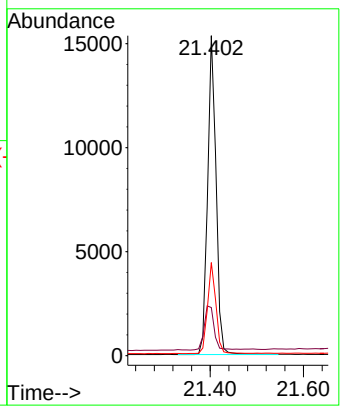


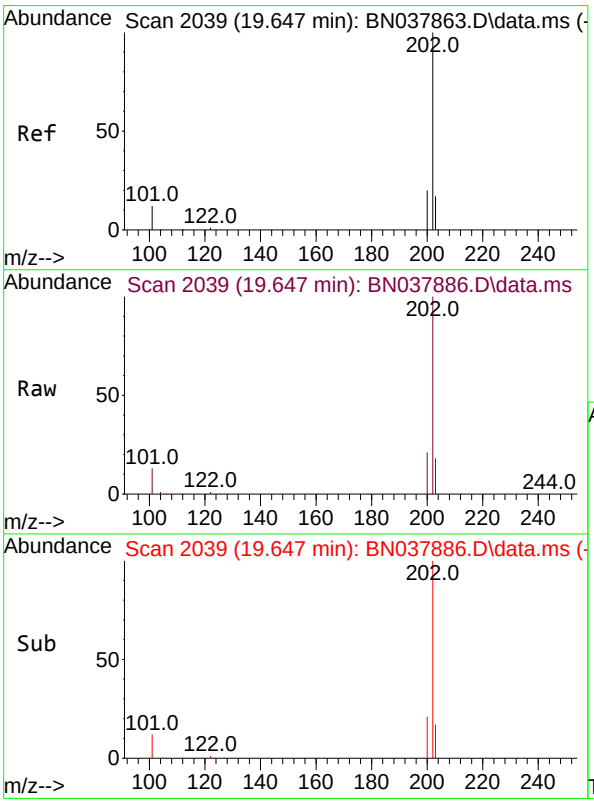
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:240 Resp: 19236

Ion	Ratio	Lower	Upper
240	100		
120	15.0	11.4	17.2
236	29.1	23.0	34.6

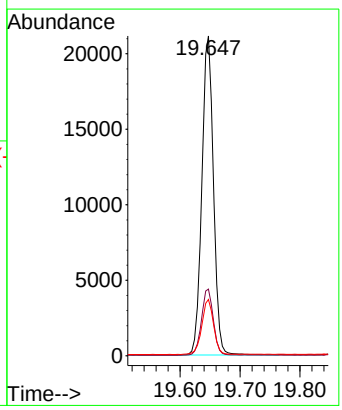


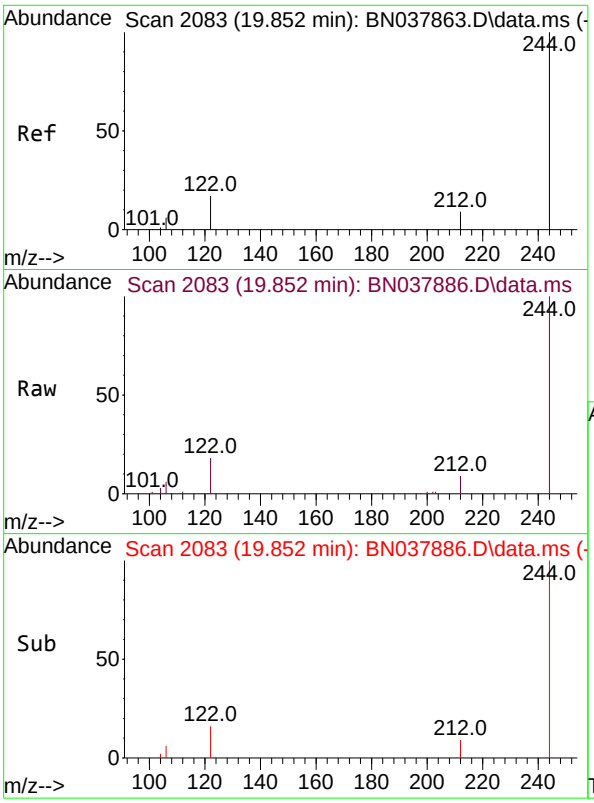


#30
Pyrene
Concen: 0.373 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:202 Resp: 28351

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.2	21.4



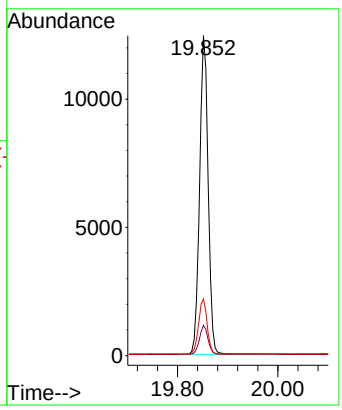


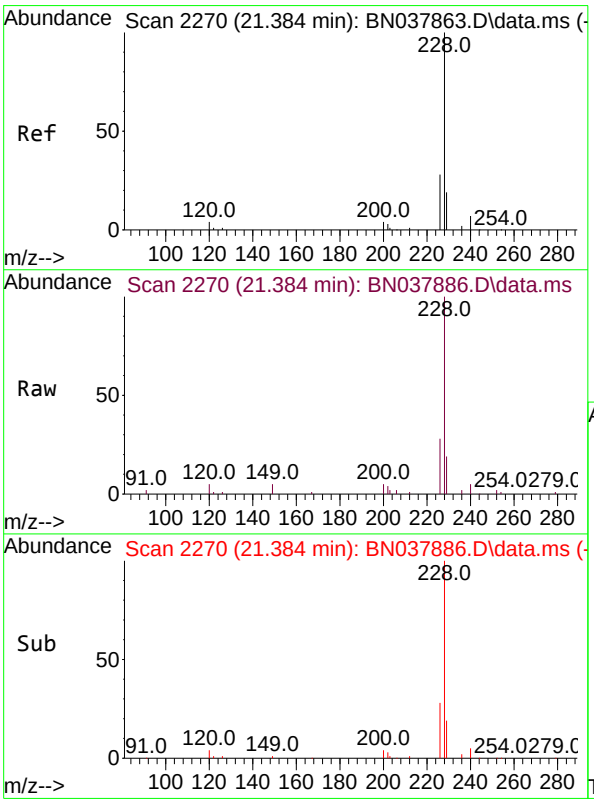
#31
Terphenyl-d14
Concen: 0.382 ng
RT: 19.852 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:244 Resp: 14620

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	17.7	13.9	20.9

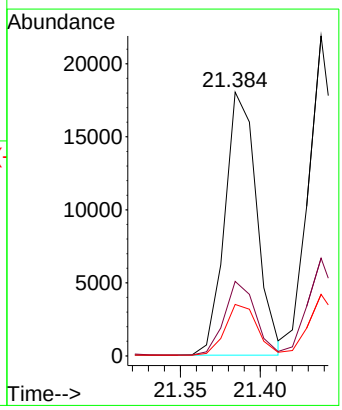


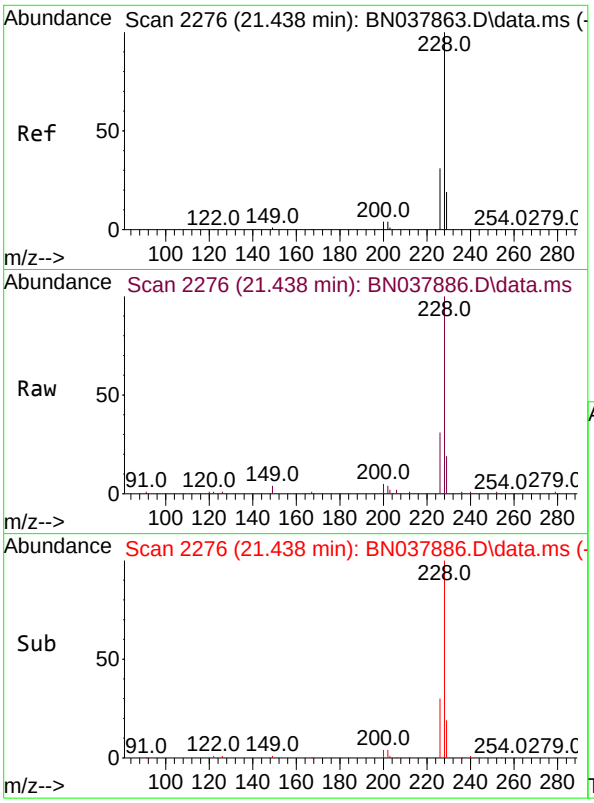


#32
Benzo(a)anthracene
Concen: 0.371 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:228 Resp: 24976

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	19.5	15.6	23.4



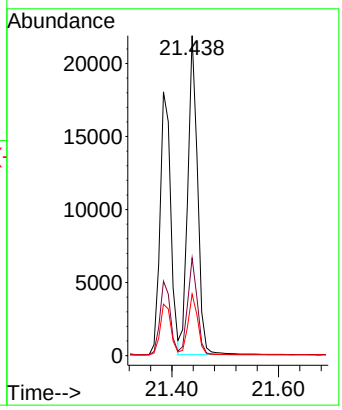


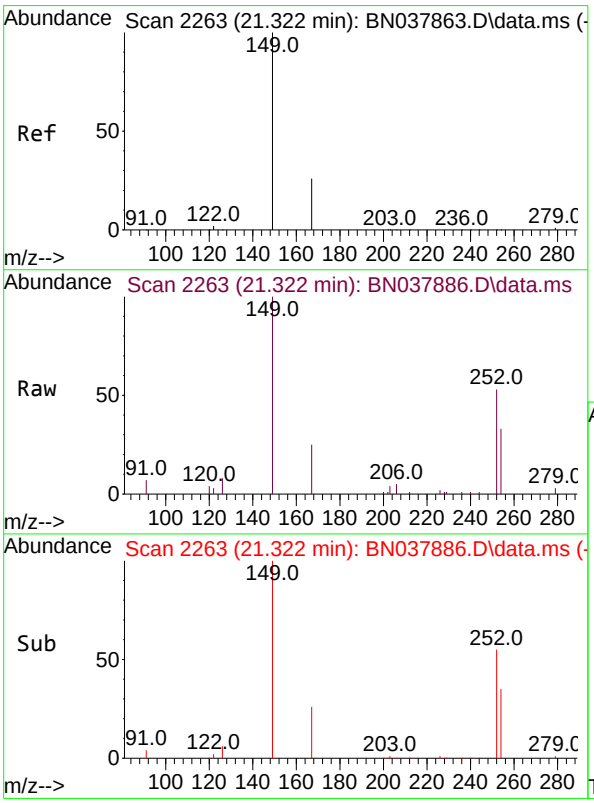
#33
Chrysene
Concen: 0.382 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:228 Resp: 27763

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	19.2	15.6	23.4

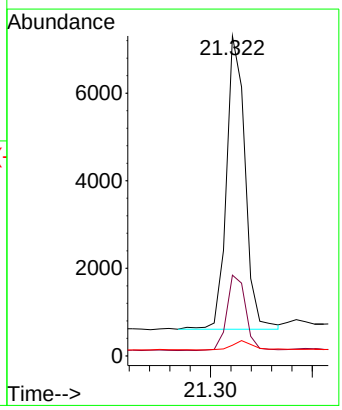


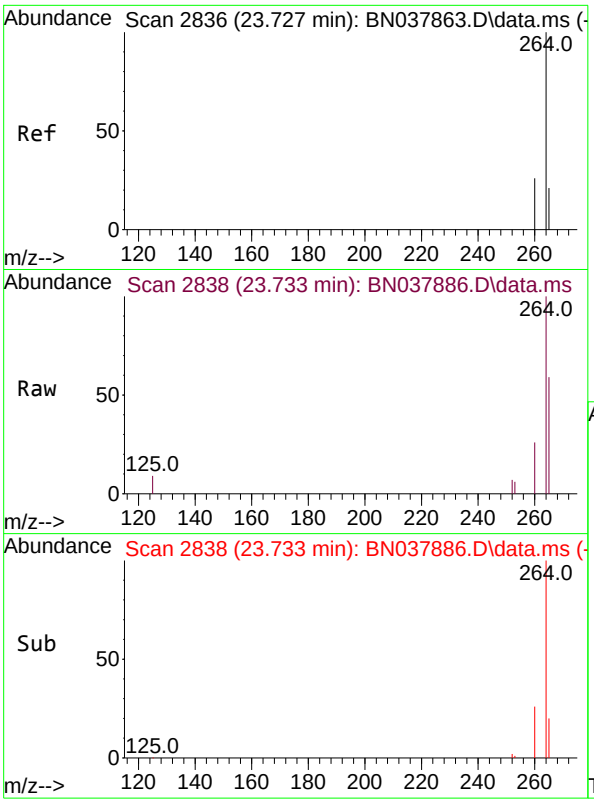


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.320 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:149 Resp: 8522

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.4	30.6
279	3.5	2.4	3.6



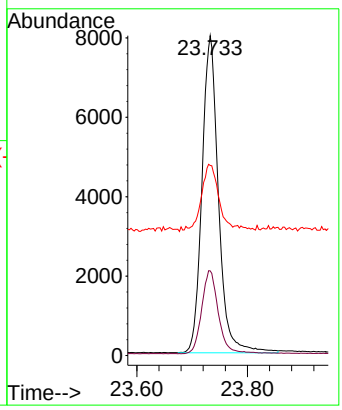


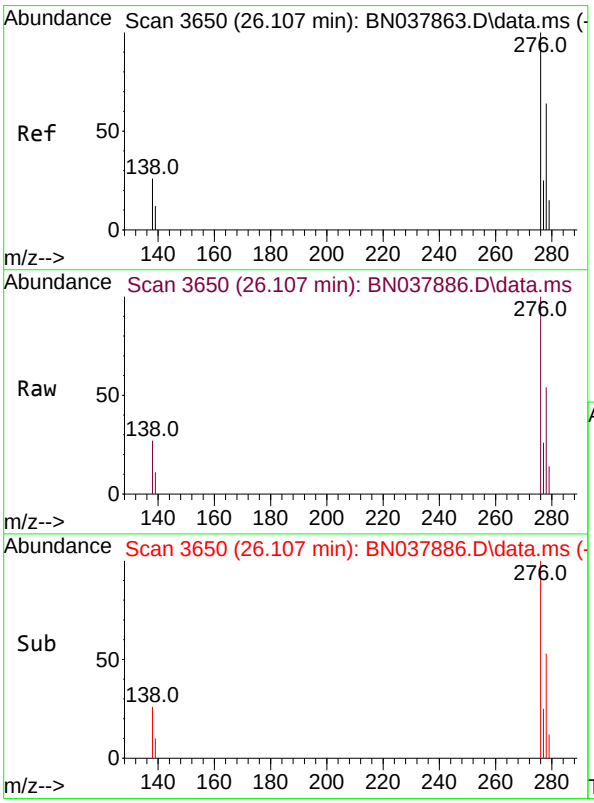
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 28
Delta R.T. 0.006 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:264 Resp: 16484

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	59.4	53.8	80.6

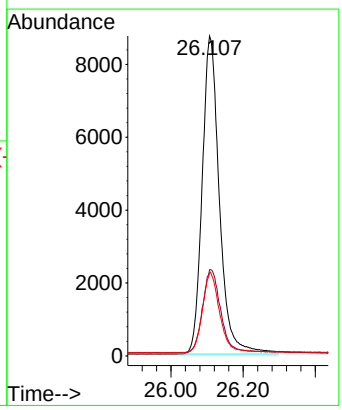


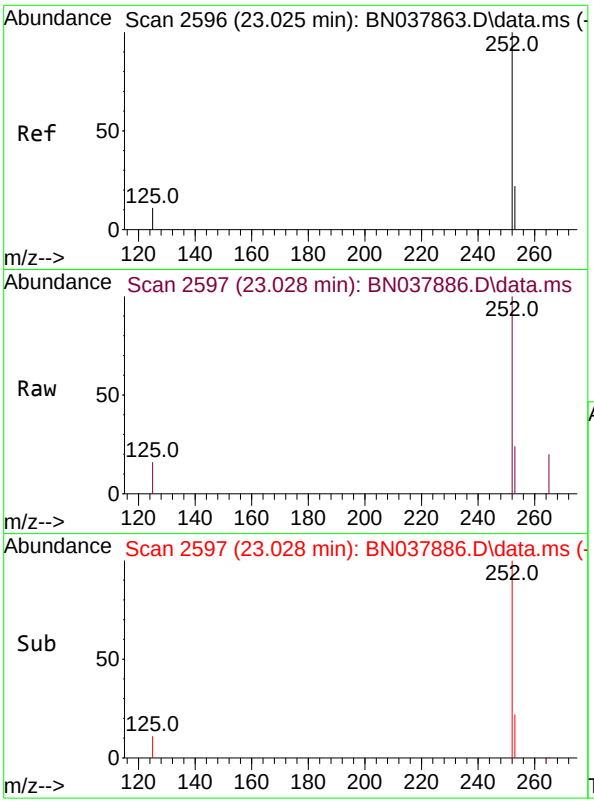


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 26.107 min Scan# 3650
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:276 Resp: 28935

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.4	32.0
277	25.0	20.3	30.5



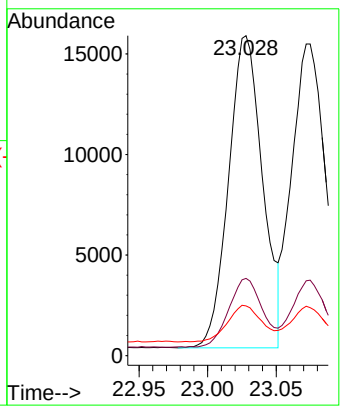


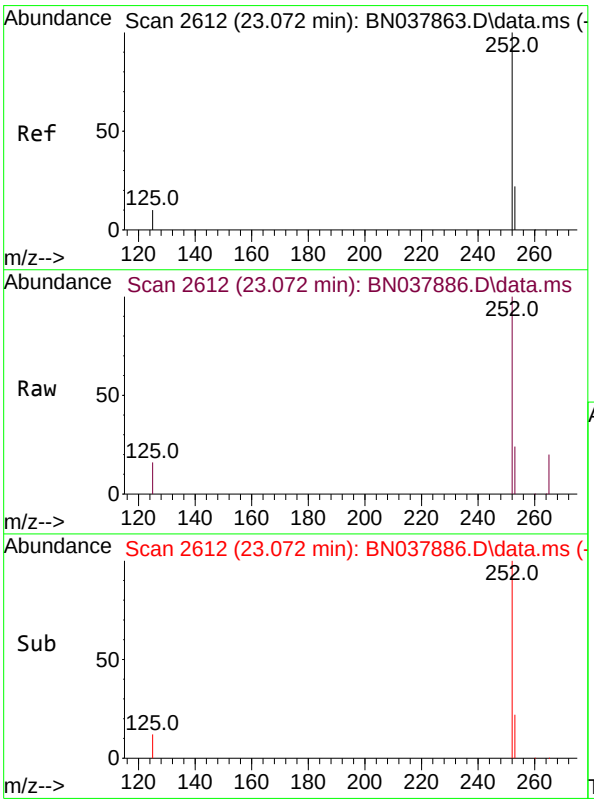
#37
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 23.028 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:252 Resp: 26824

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.0
125	15.5	13.0	19.4

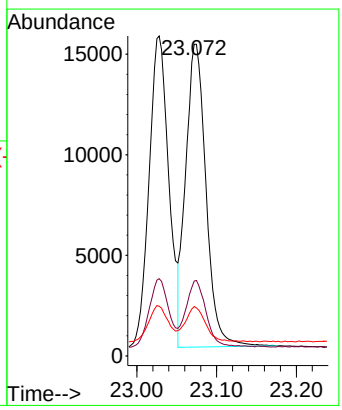


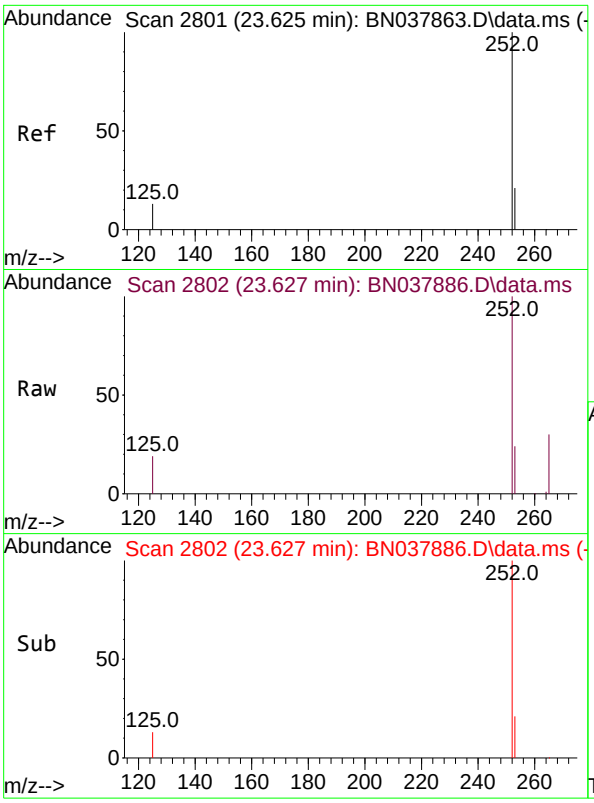


#38
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 23.072 min Scan# 2612
Delta R.T. -0.000 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:252 Resp: 26697

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.5	29.3
125	15.9	13.0	19.4



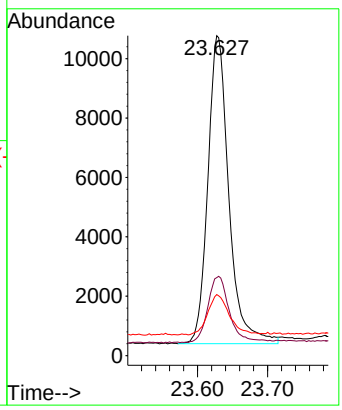


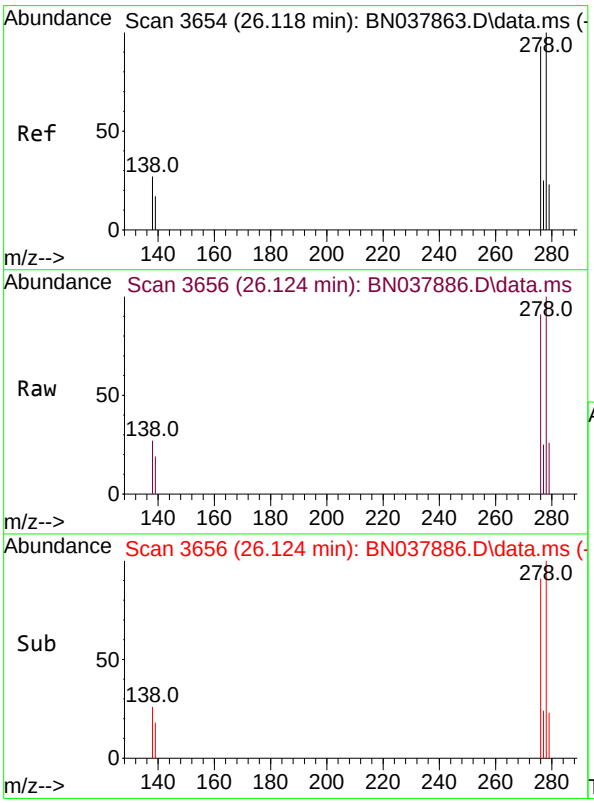
#39
Benzo(a)pyrene
Concen: 0.385 ng
RT: 23.627 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:252 Resp: 21646

Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.6	30.8
125	19.1	16.7	25.1

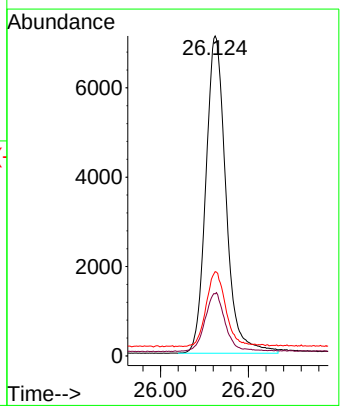


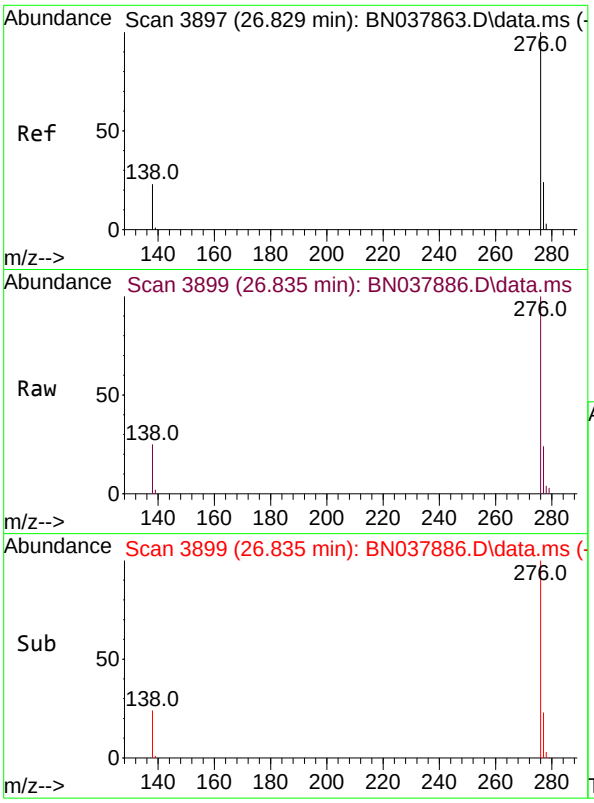


#40
Dibenzo(a,h)anthracene
Concen: 0.383 ng
RT: 26.124 min Scan# 3656
Delta R.T. 0.006 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Tgt Ion:278 Resp: 22543

Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.4	23.2
279	26.3	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.379 ng
RT: 26.835 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN037886.D
Acq: 25 Sep 2025 13:21

Instrument :
BNA_N
ClientSampleId :
PB169793BS

Tgt Ion:276 Resp: 23403

Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.2	30.4
138	24.8	19.8	29.8