Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
Data File : BN037880.D
Acq On : 24 Sep 2025 18:16
Operator : RC/JU
Sample : PB169712BSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Quant Time: Sep 25 11:38:10 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	7.825	152	5799	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	16994	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	8258	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	16057	0.400	ng	0.00
29) Chrysene-d12	21.411	240	11765	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	9163	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	5373	0.406	ng	0.00
5) Phenol-d6	6.980	99	6476	0.372	ng	0.00
8) Nitrobenzene-d5	8.971	82	4528	0.349	ng	0.00
11) 2-Methylnaphthalene-d10	12.222	152	8385	0.355	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	956	0.305	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	13302	0.393	ng	0.00
27) Fluoranthene-d10	19.257	212	13437	0.333	ng	0.00
31) Terphenyl-d14	19.856	244	9816	0.419	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2062	0.350	ng	# 71
3) n-Nitrosodimethylamine	3.600	42	2945	0.376	ng	# 95
6) bis(2-Chloroethyl)ether	7.240	93	6182	0.383	ng	99
9) Naphthalene	10.680	128	16940	0.362	ng	99
10) Hexachlorobutadiene	10.978	225	3145	0.394	ng	# 100
12) 2-Methylnaphthalene	12.293	142	9540	0.312	ng	100
16) Acenaphthylene	14.195	152	14526	0.387	ng	99
17) Acenaphthene	14.537	154	9384	0.351	ng	100
18) Fluorene	15.522	166	11429	0.354	ng	99
20) 4,6-Dinitro-2-methylph...	15.597	198	670	0.392	ng	96
21) 4-Bromophenyl-phenylether	16.416	248	3585	0.343	ng	97
22) Hexachlorobenzene	16.540	284	4745	0.374	ng	99
23) Atrazine	16.689	200	2466	0.309	ng	97
24) Pentachlorophenol	16.875	266	2299	0.528	ng	97
25) Phenanthrene	17.260	178	18838	0.357	ng	100
26) Anthracene	17.359	178	16519	0.360	ng	100
28) Fluoranthene	19.285	202	19007	0.327	ng	99
30) Pyrene	19.647	202	18571	0.400	ng	99
32) Benzo(a)anthracene	21.393	228	15630	0.380	ng	98
33) Chrysene	21.447	228	16856	0.379	ng	99
34) Bis(2-ethylhexyl)phtha...	21.330	149	4607	0.283	ng	99
36) Indeno(1,2,3-cd)pyrene	26.115	276	14468	0.346	ng	99
37) Benzo(b)fluoranthene	23.034	252	15258	0.386	ng	96
38) Benzo(k)fluoranthene	23.078	252	15027	0.378	ng	96
39) Benzo(a)pyrene	23.633	252	12288	0.393	ng	96
40) Dibenzo(a,h)anthracene	26.133	278	11192	0.342	ng	95
41) Benzo(g,h,i)perylene	26.838	276	12217	0.356	ng	98

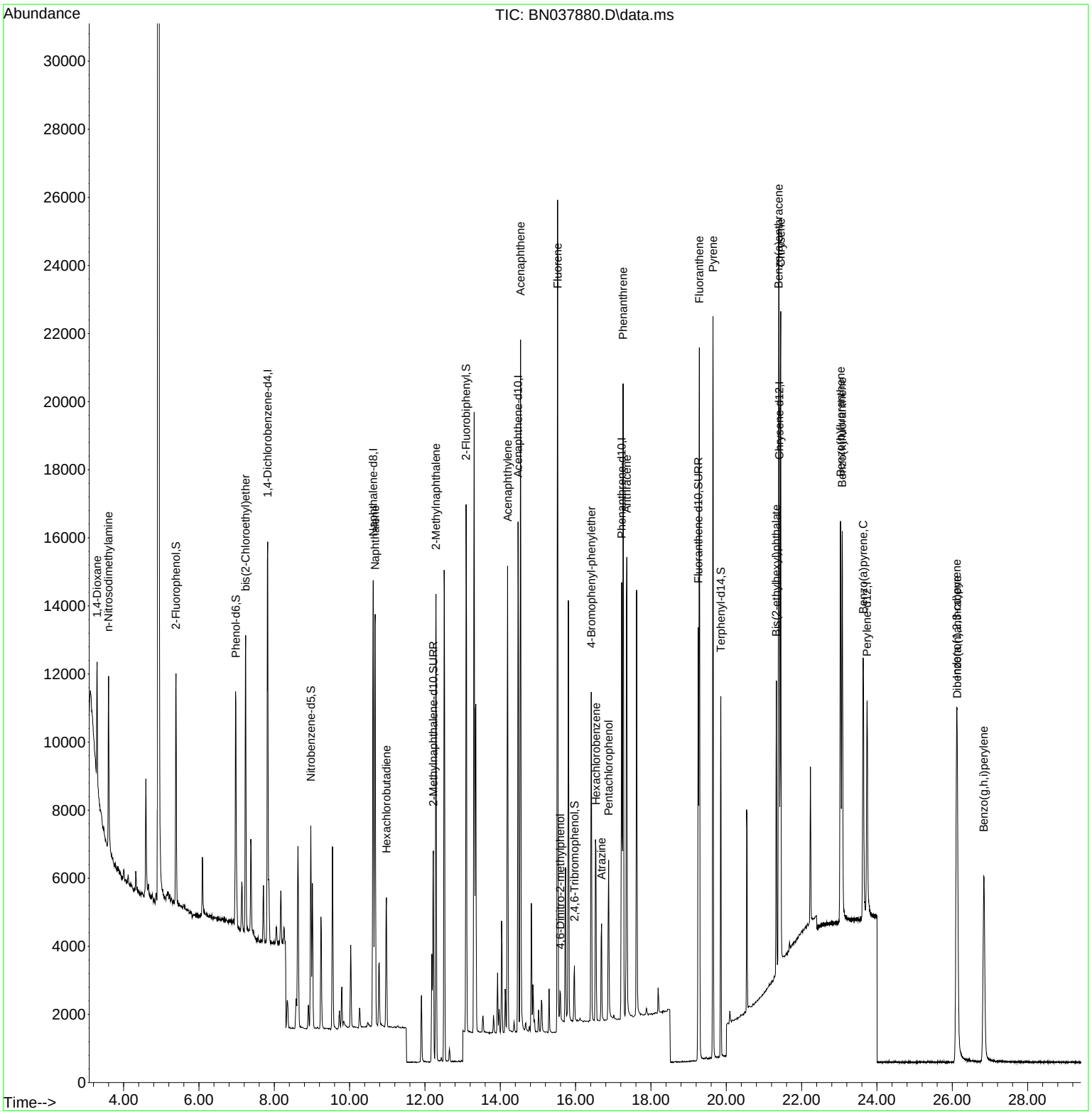
(#) = qualifier out of range (m) = manual integration (+) = signals summed

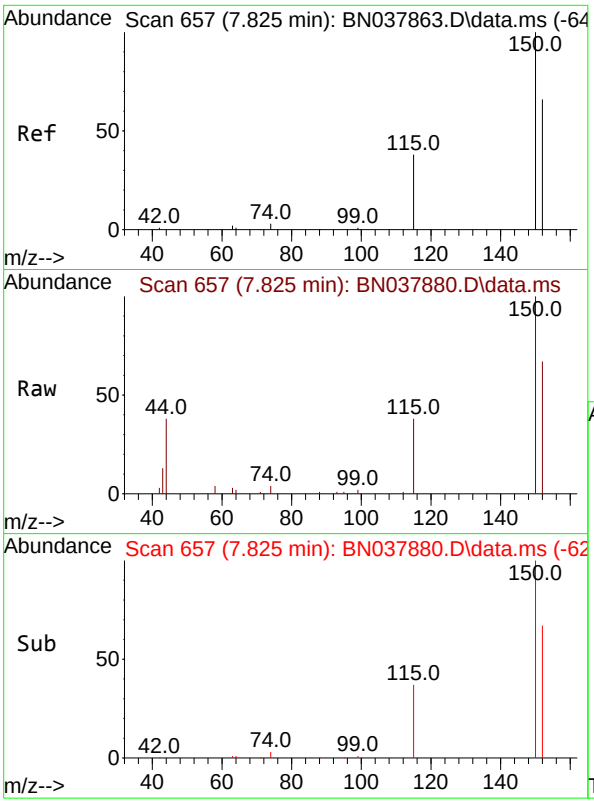
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
Data File : BN037880.D
Acq On : 24 Sep 2025 18:16
Operator : RC/JU
Sample : PB169712BSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Quant Time: Sep 25 11:38:10 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



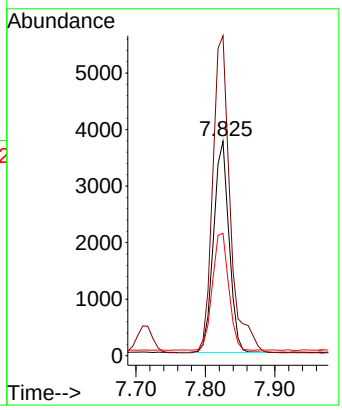


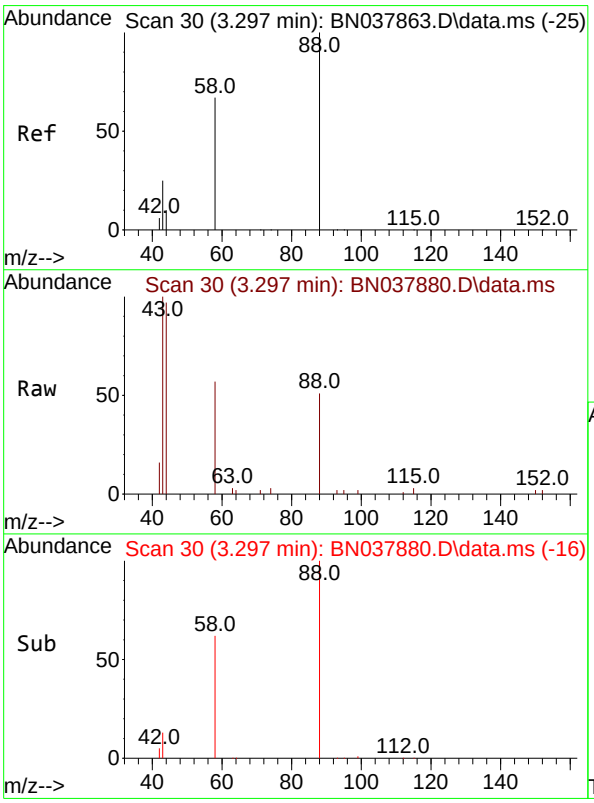
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:152 Resp: 5799

Ion	Ratio	Lower	Upper
152	100		
150	149.3	121.0	181.4
115	57.1	47.4	71.0

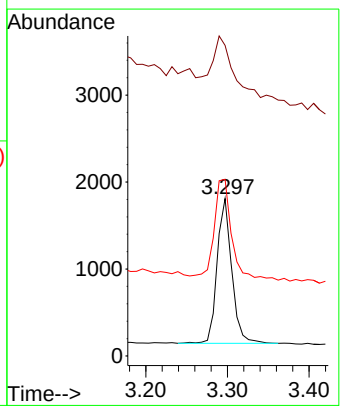


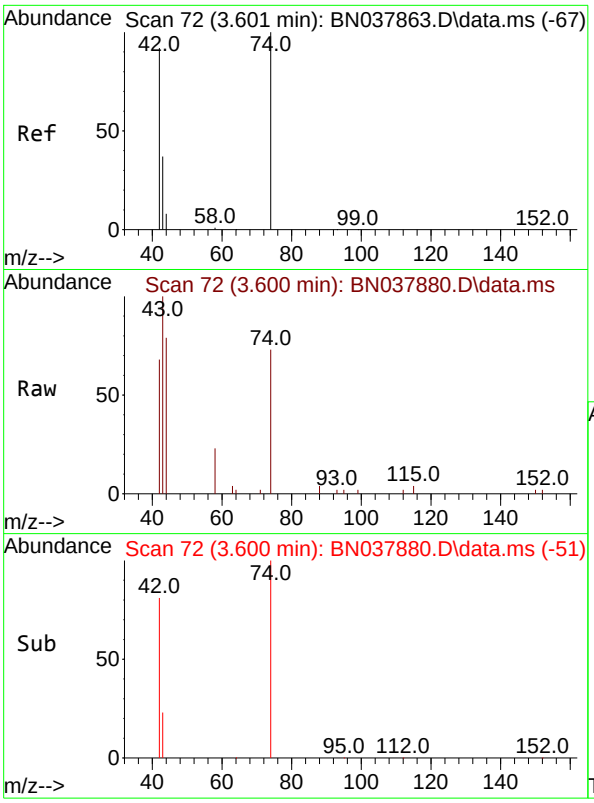


#2
1,4-Dioxane
Concen: 0.350 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion: 88 Resp: 2062

Ion	Ratio	Lower	Upper
88	100		
43	68.8	26.6	39.8#
58	85.5	58.9	88.3



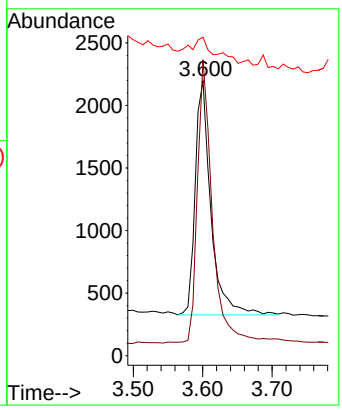


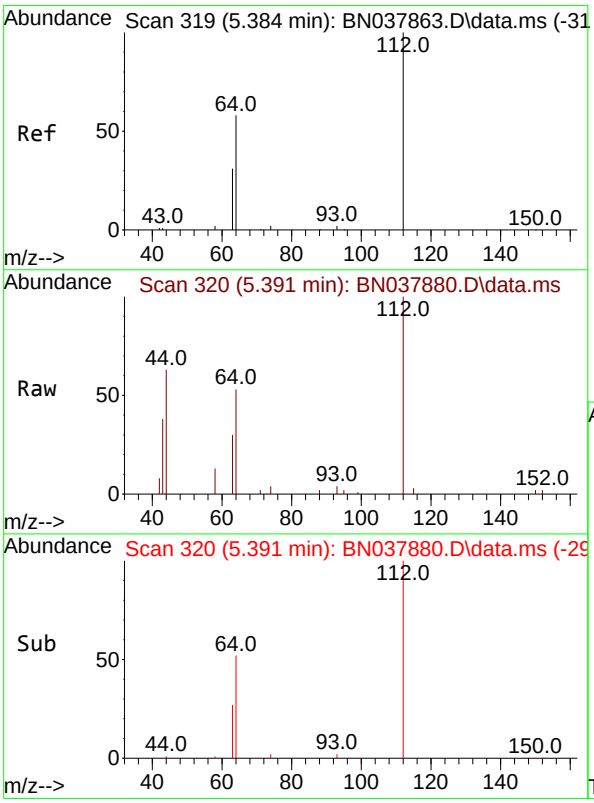
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion: 42 Resp: 2945

Ion	Ratio	Lower	Upper
42	100		
74	116.9	93.4	140.0
44	15.3	22.2	33.4#

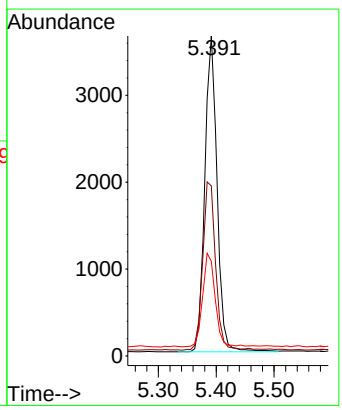


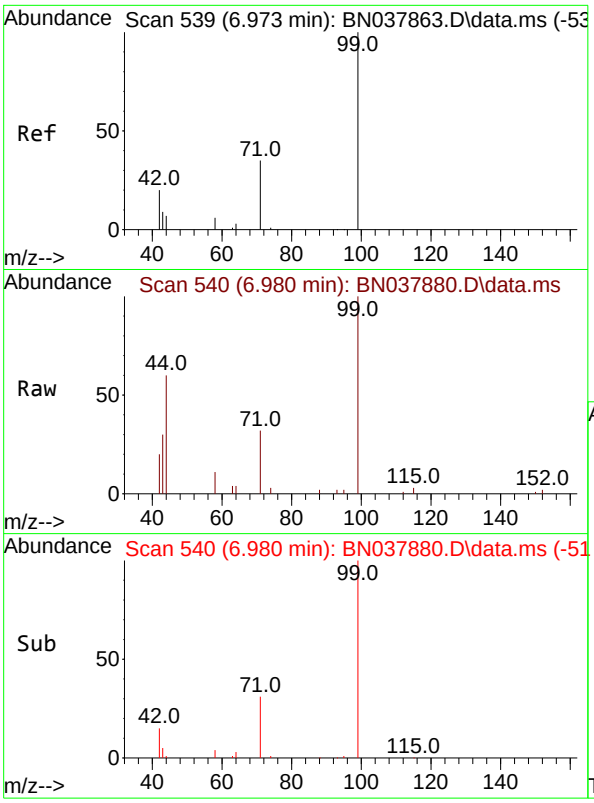


#4
2-Fluorophenol
Concen: 0.406 ng
RT: 5.391 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:112 Resp: 5373

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.6	66.8
63	30.0	24.9	37.3



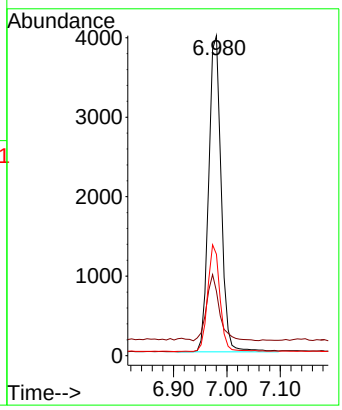


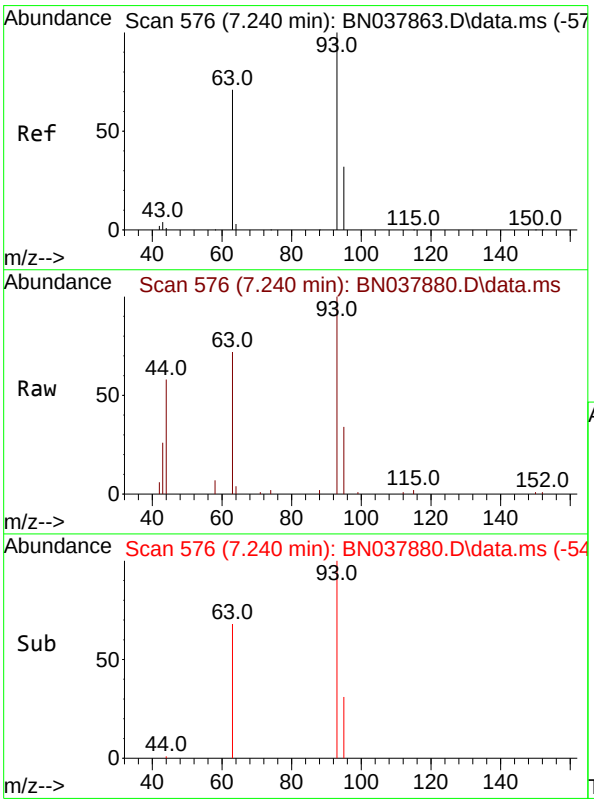
#5
Phenol-d6
Concen: 0.372 ng
RT: 6.980 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion: 99 Resp: 6476

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.2	25.8
71	33.3	27.3	40.9

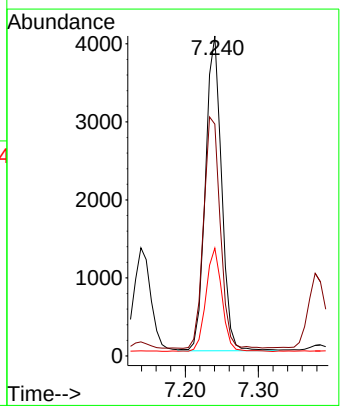


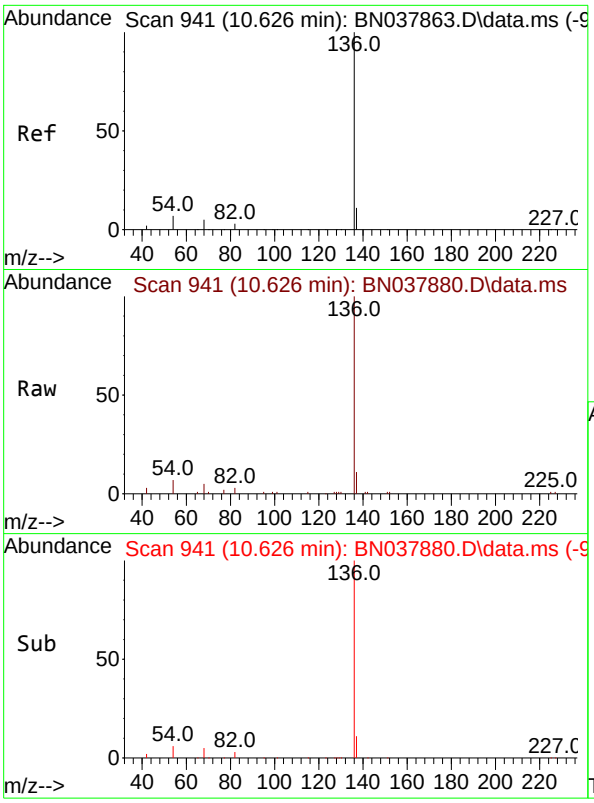


#6
bis(2-Chloroethyl)ether
Concen: 0.383 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion: 93 Resp: 6182

Ion	Ratio	Lower	Upper
93	100		
63	75.7	60.1	90.1
95	32.6	25.4	38.2



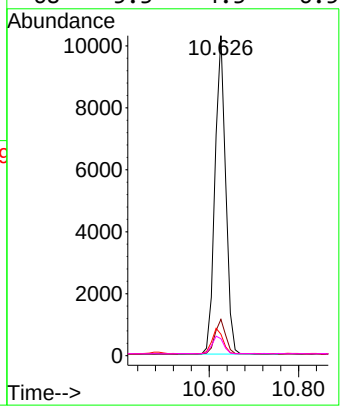


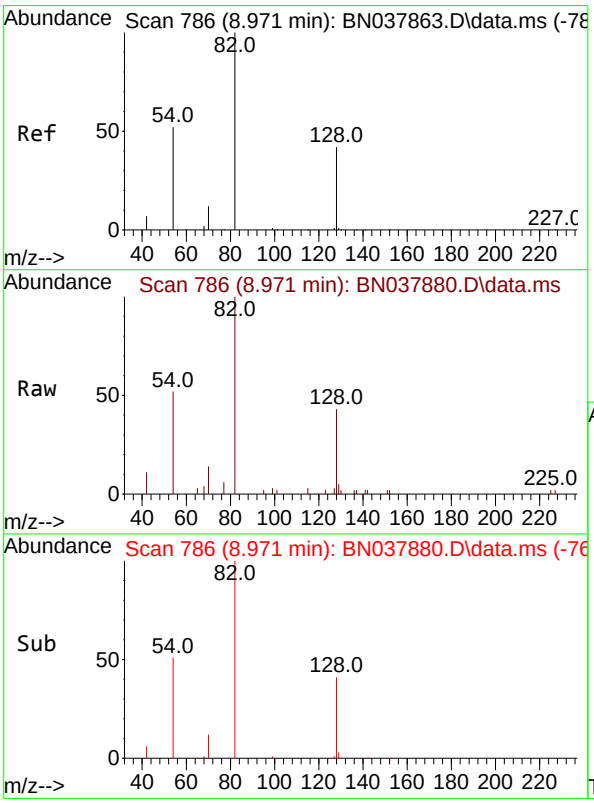
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:136 Resp: 16994

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.7	5.8	8.8
68	5.3	4.3	6.5

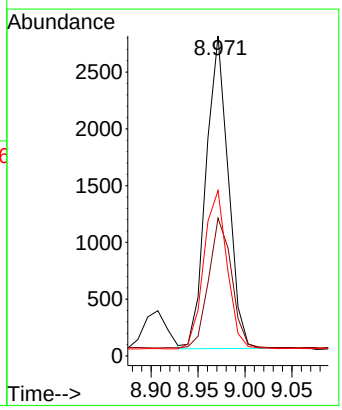


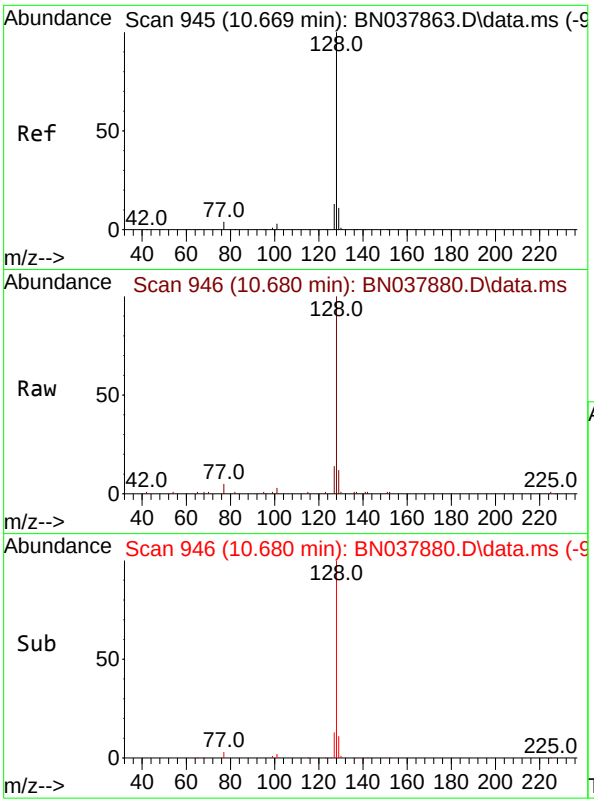


#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion: 82 Resp: 4528

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.8	52.2
54	51.7	42.2	63.2



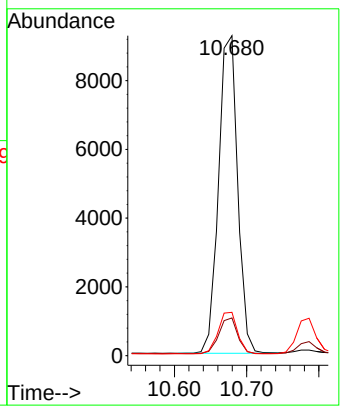


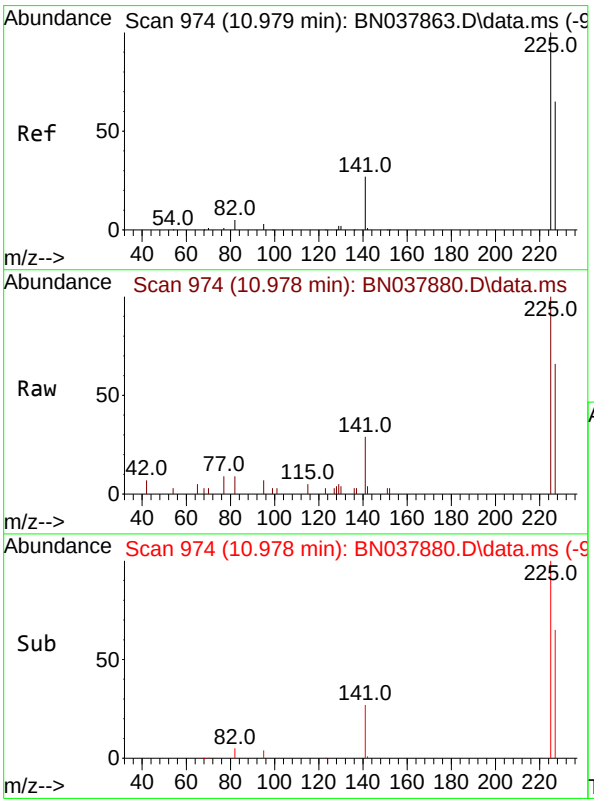
#9
Naphthalene
Concen: 0.362 ng
RT: 10.680 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:128 Resp: 16940

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.2	13.8
127	13.5	11.0	16.6

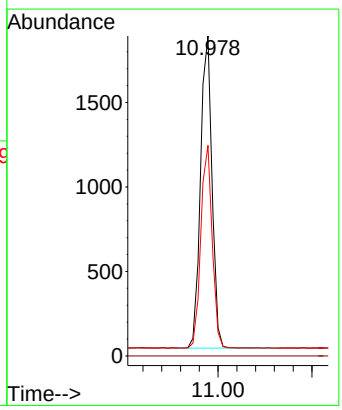


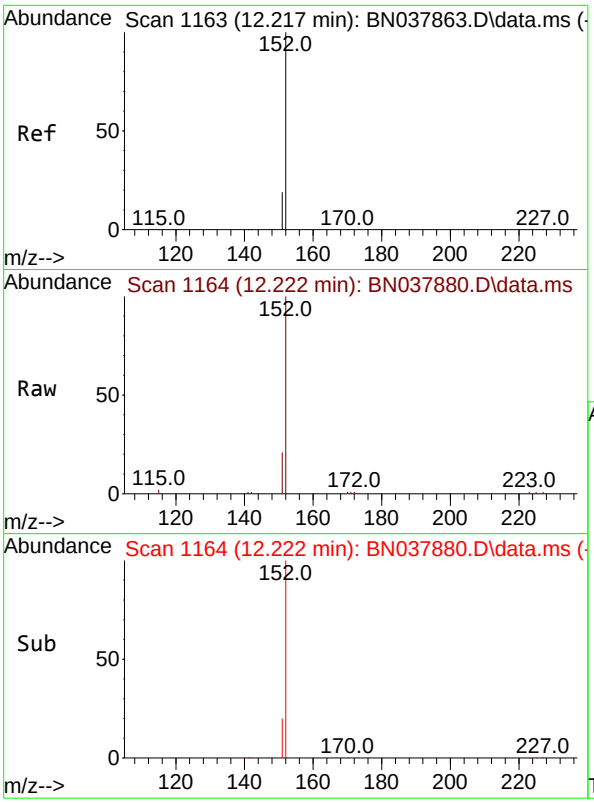


#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.978 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:225 Resp: 3145

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.4	77.2



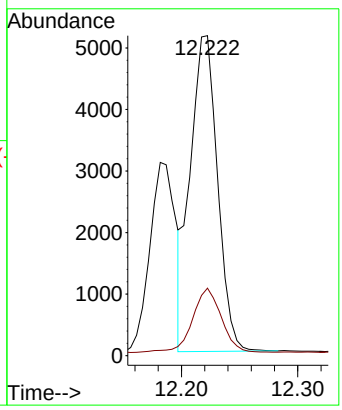


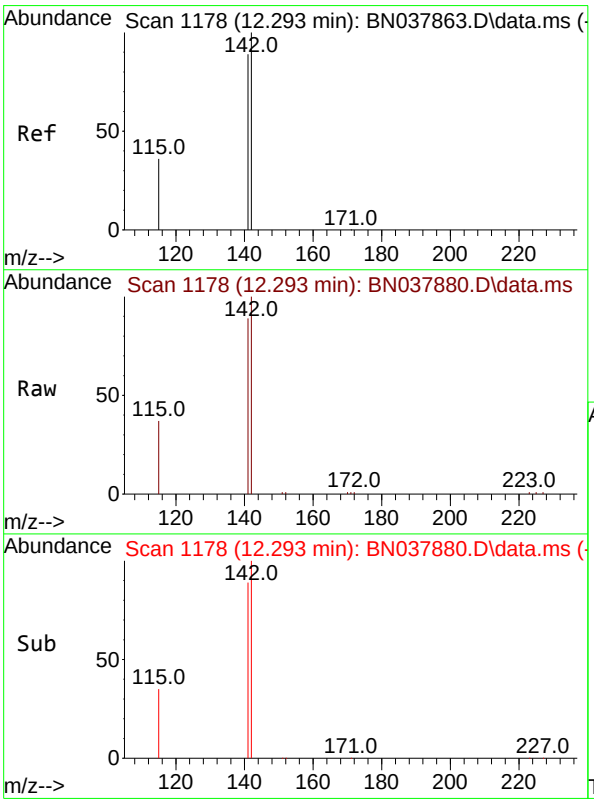
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:152 Resp: 8385

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2

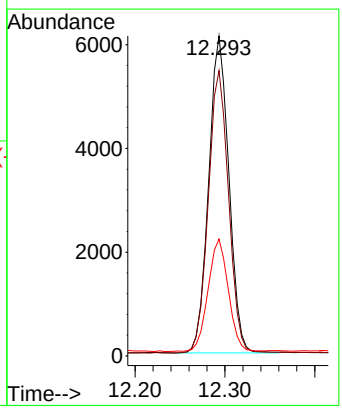


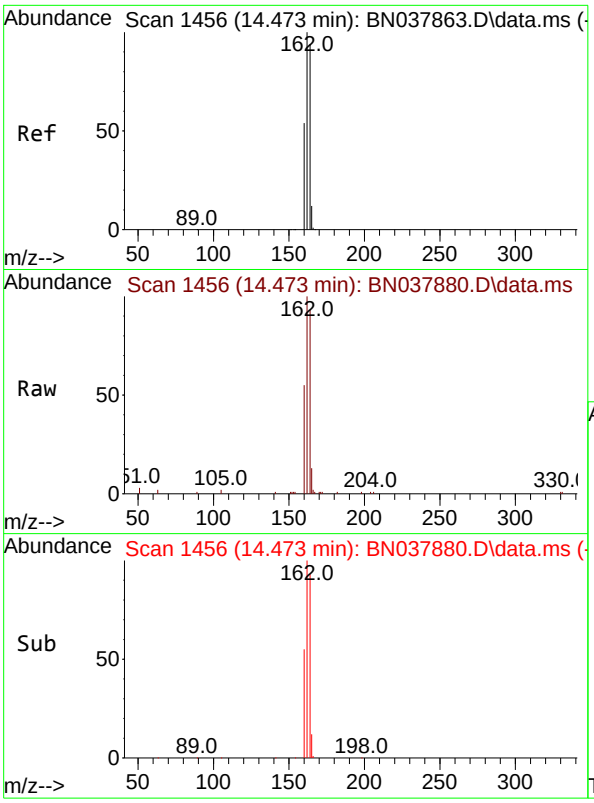


#12
2-Methylnaphthalene
Concen: 0.312 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:142 Resp: 9540

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8
115	36.5	29.7	44.5



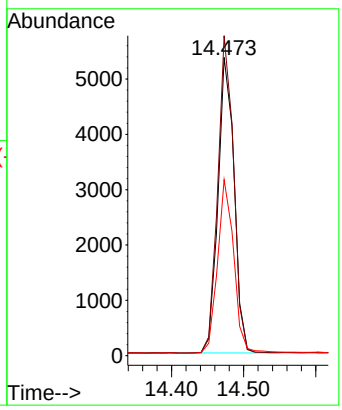


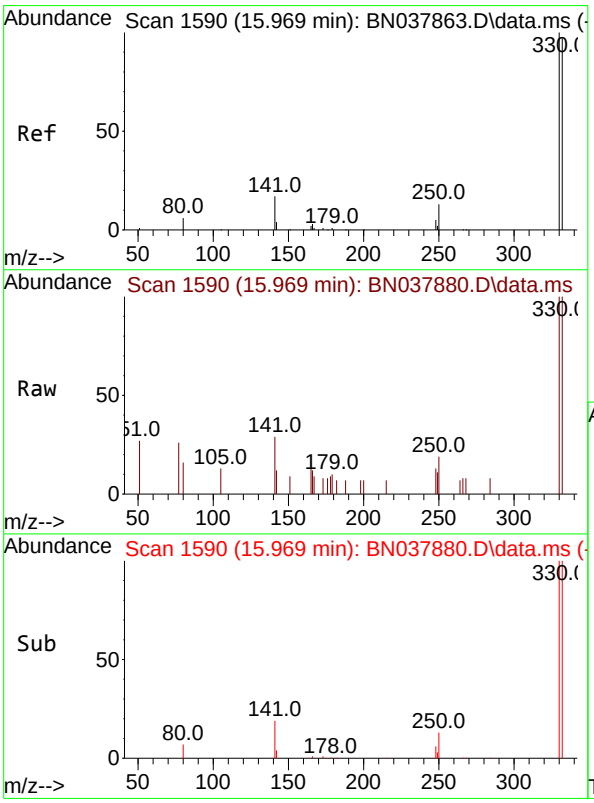
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:164 Resp: 8258

Ion	Ratio	Lower	Upper
164	100		
162	107.3	84.8	127.2
160	59.0	46.1	69.1

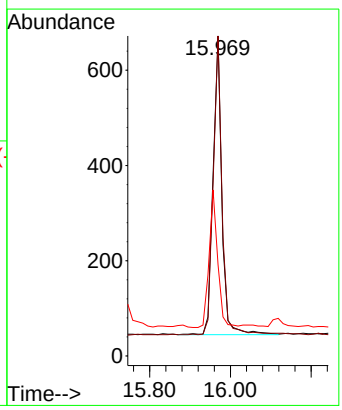


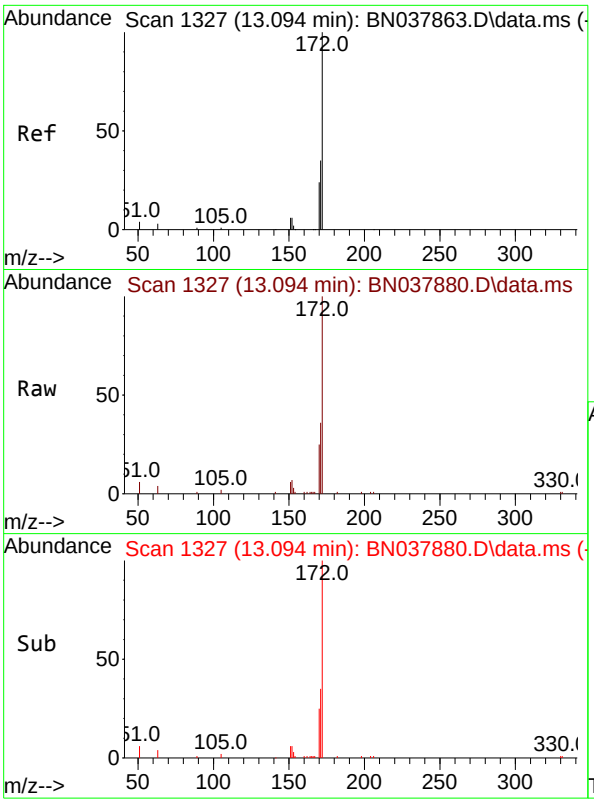


#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:330 Resp: 956

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.2	115.8
141	44.6	37.2	55.8



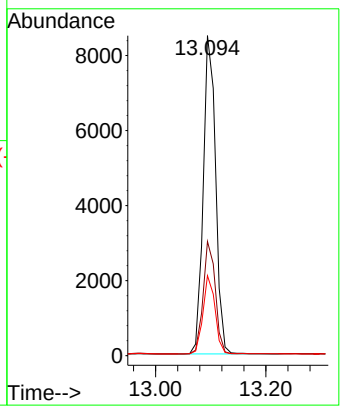


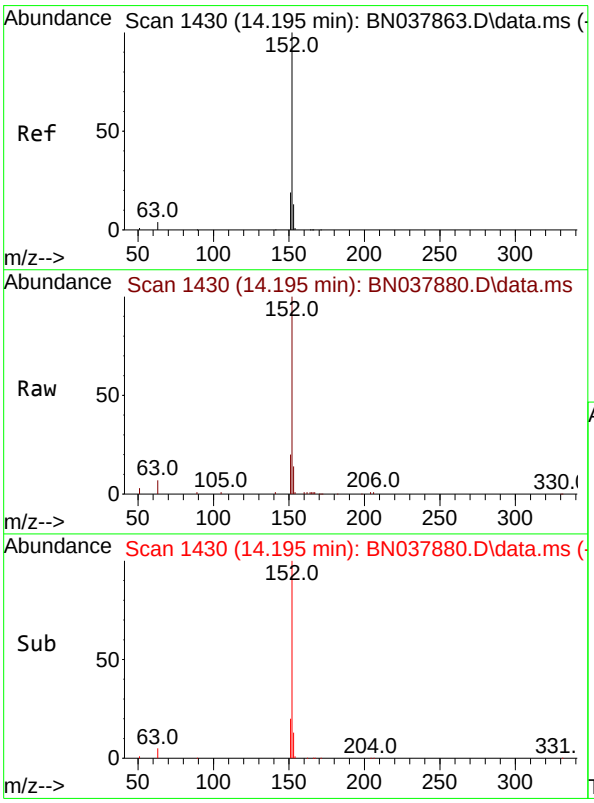
#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:172 Resp: 13302

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	25.0	19.7	29.5

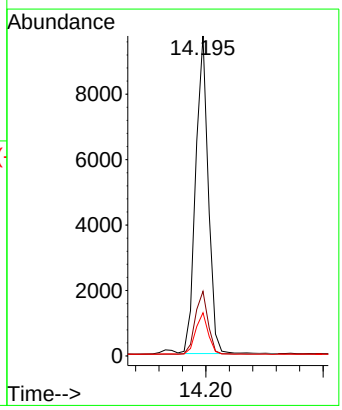


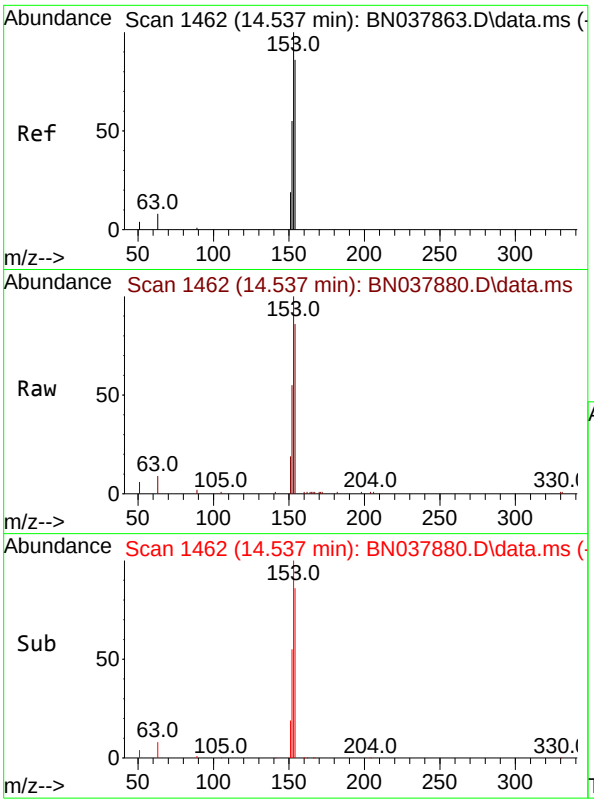


#16
Acenaphthylene
Concen: 0.387 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:152 Resp: 14526

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	13.0	10.5	15.7



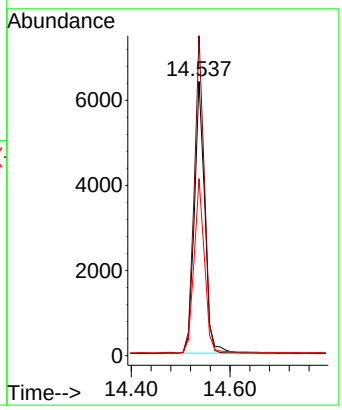


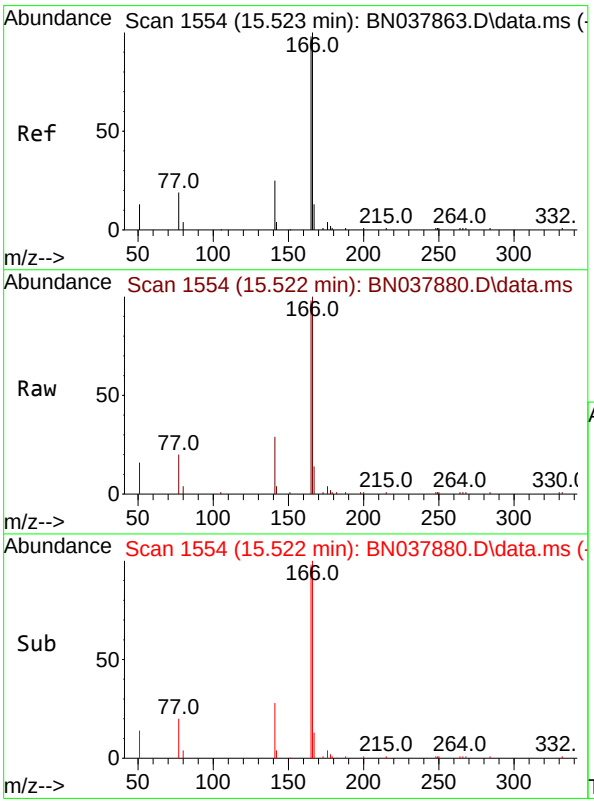
#17
Acenaphthene
Concen: 0.351 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:154 Resp: 9384

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.5	135.7
152	64.2	51.8	77.8

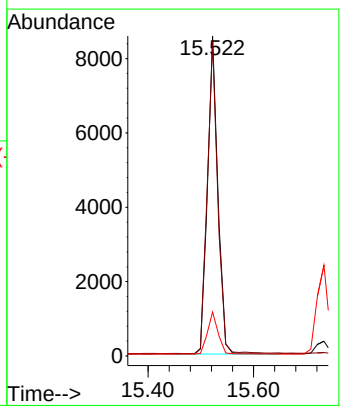


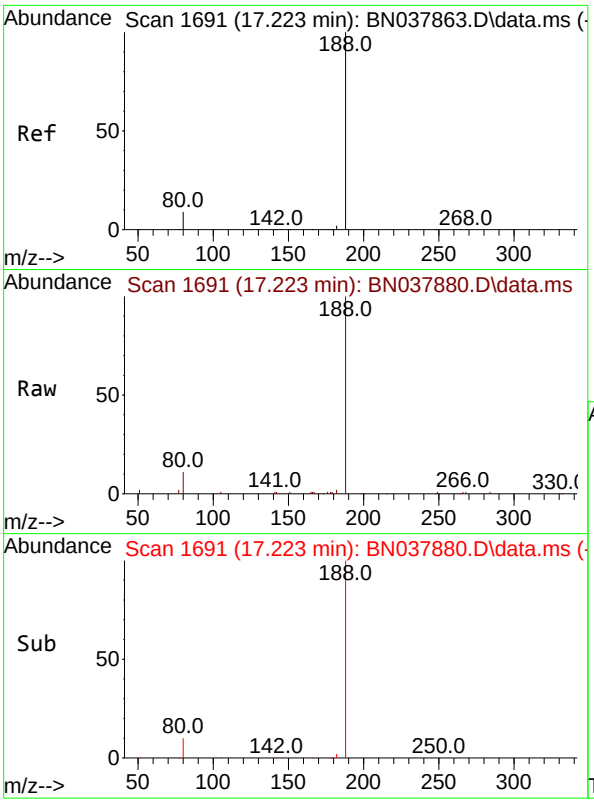


#18
Fluorene
Concen: 0.354 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:166 Resp: 11429

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.0	118.4
167	13.5	10.6	16.0



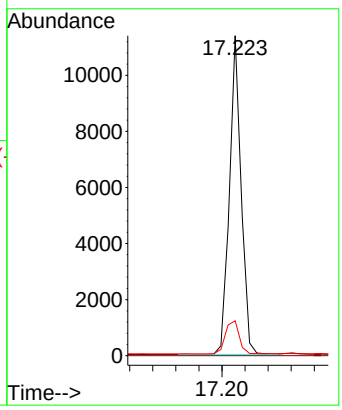


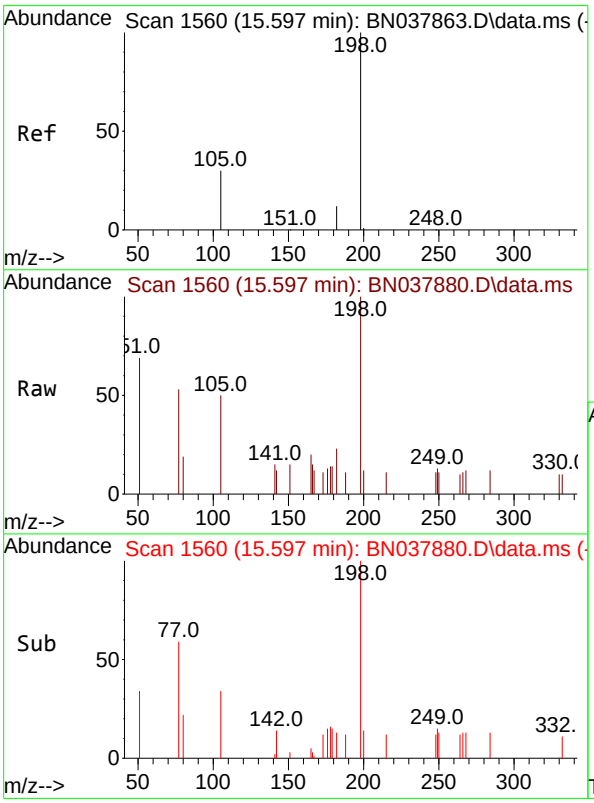
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:188 Resp: 16057

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	7.6	11.4

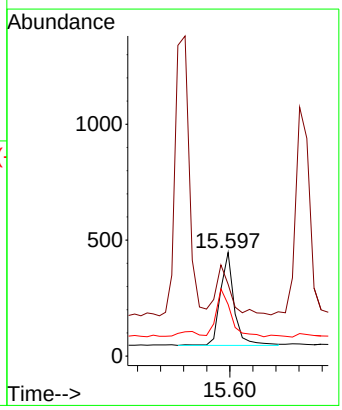


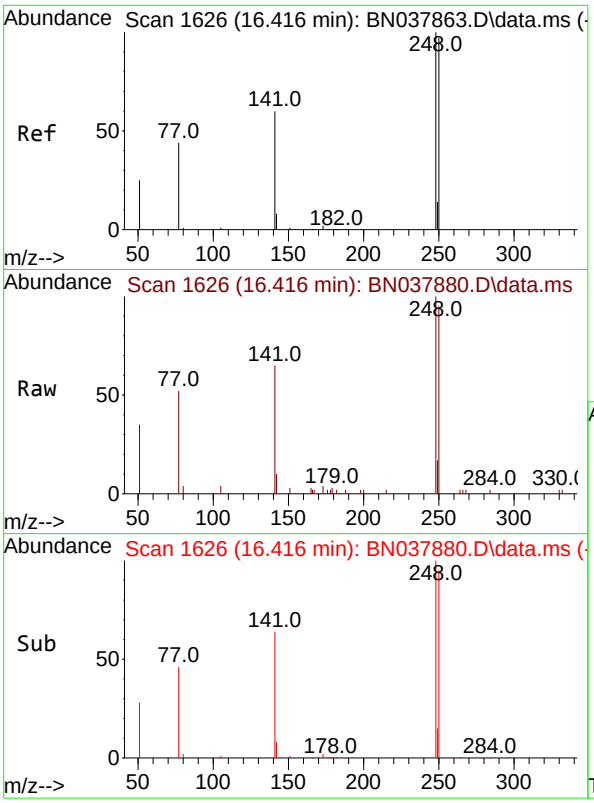


#20
4,6-Dinitro-2-methylphenol
Concen: 0.392 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:198 Resp: 670

Ion	Ratio	Lower	Upper
198	100		
51	69.4	59.1	88.7
105	49.9	41.3	61.9



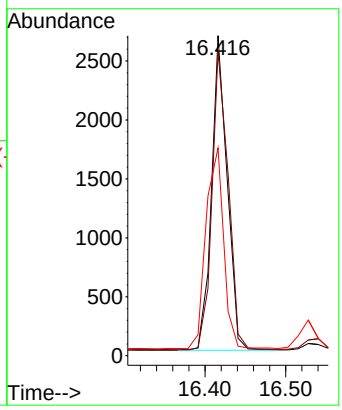


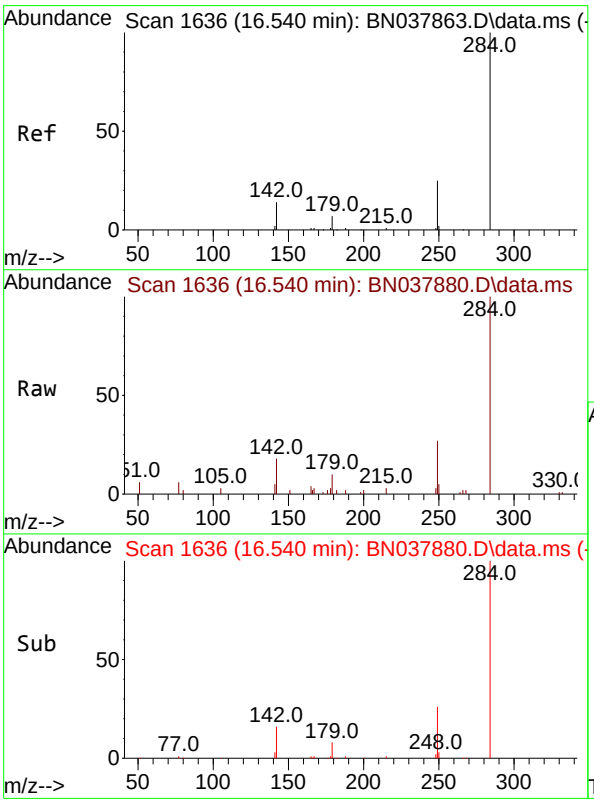
#21
4-Bromophenyl-phenylether
Concen: 0.343 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:248 Resp: 3585

Ion	Ratio	Lower	Upper
248	100		
250	95.0	77.6	116.4
141	64.9	48.8	73.2

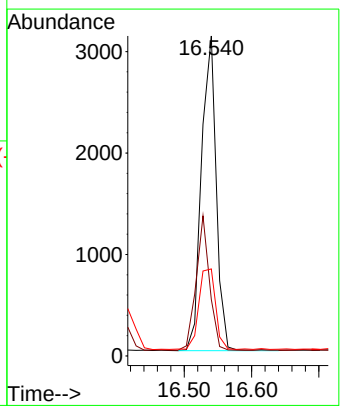


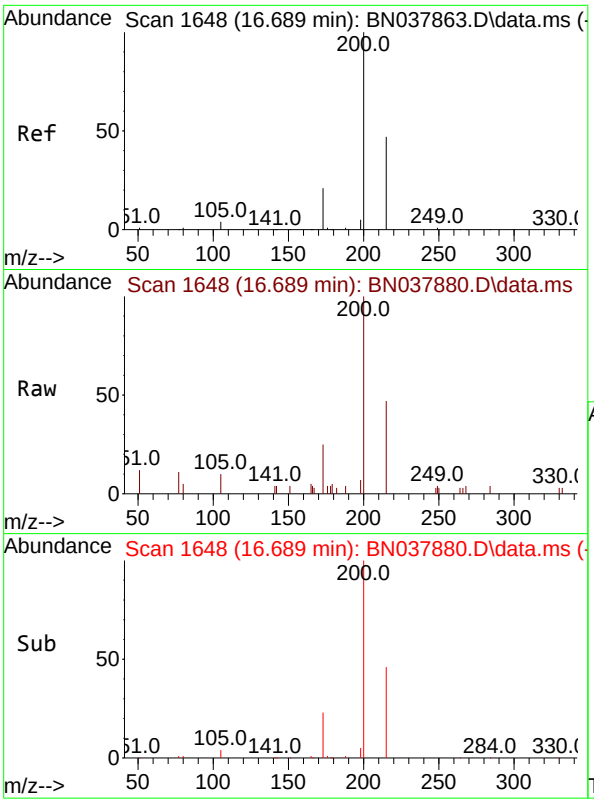


#22
Hexachlorobenzene
Concen: 0.374 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:284 Resp: 4745

Ion	Ratio	Lower	Upper
284	100		
142	38.9	30.9	46.3
249	28.9	23.9	35.9



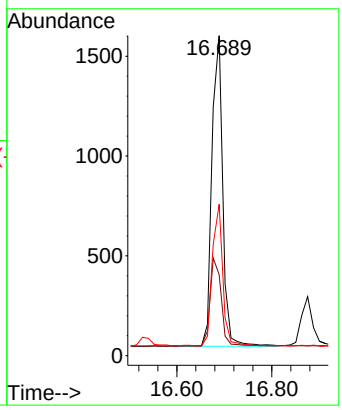


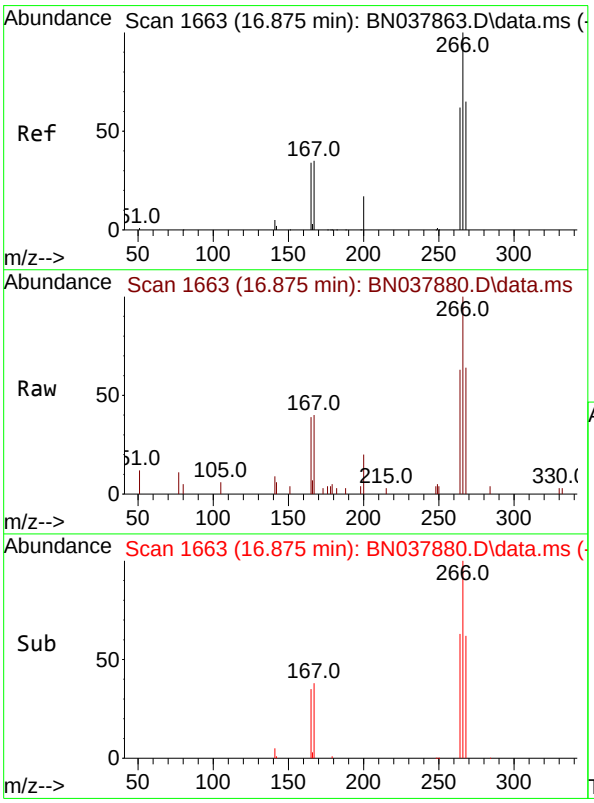
#23
Atrazine
Concen: 0.309 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:200 Resp: 2466

Ion	Ratio	Lower	Upper
200	100		
173	25.3	18.3	27.5
215	47.3	38.6	58.0

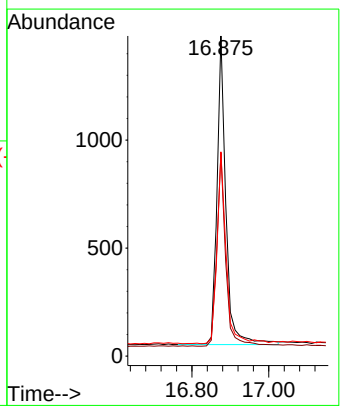


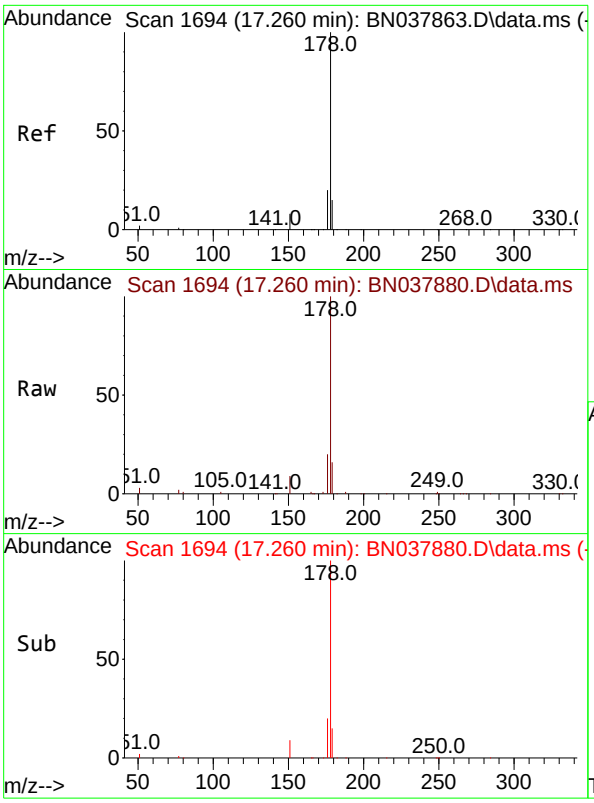


#24
Pentachlorophenol
Concen: 0.528 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:266 Resp: 2299

Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.9	76.3
268	63.8	54.3	81.5



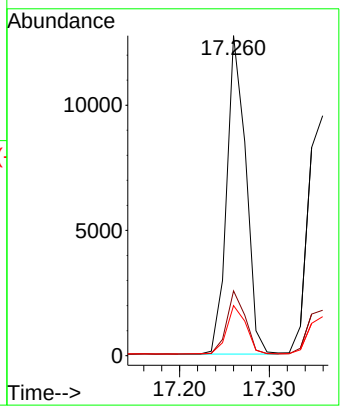


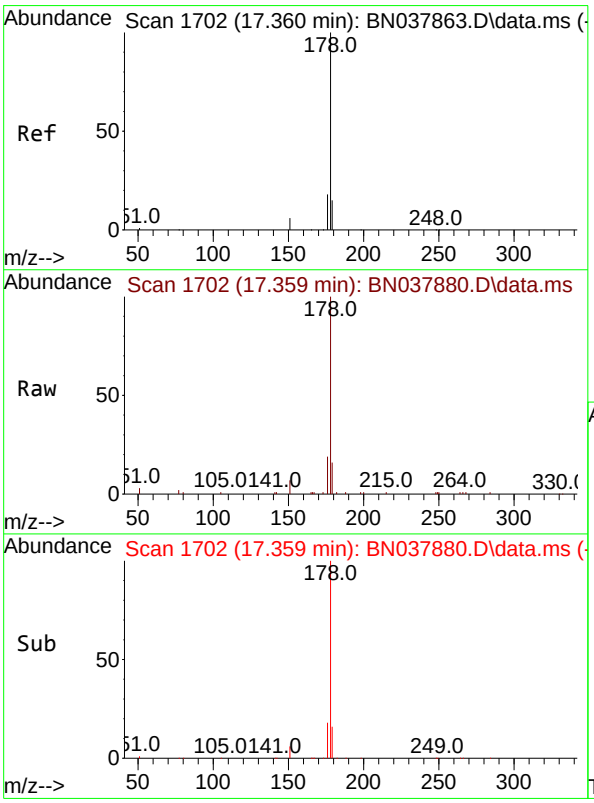
#25
Phenanthrene
Concen: 0.357 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:178 Resp: 18838

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.3	18.5

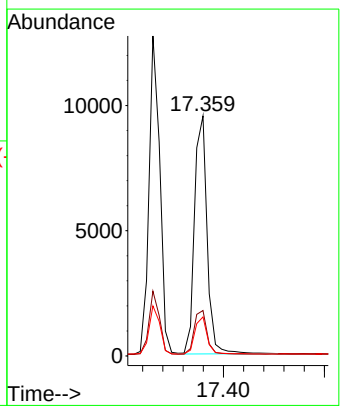


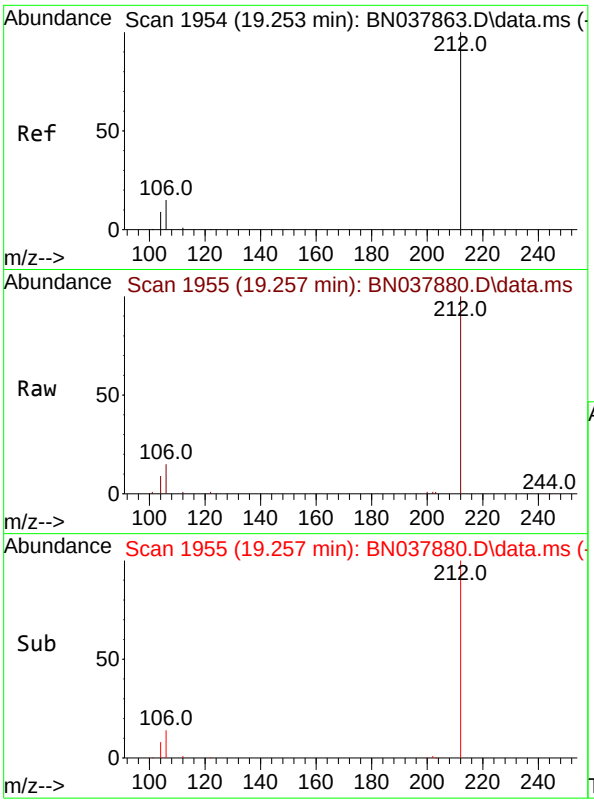


#26
Anthracene
Concen: 0.360 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:178 Resp: 16519

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.4	12.3	18.5



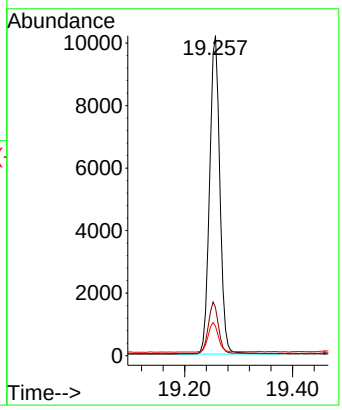


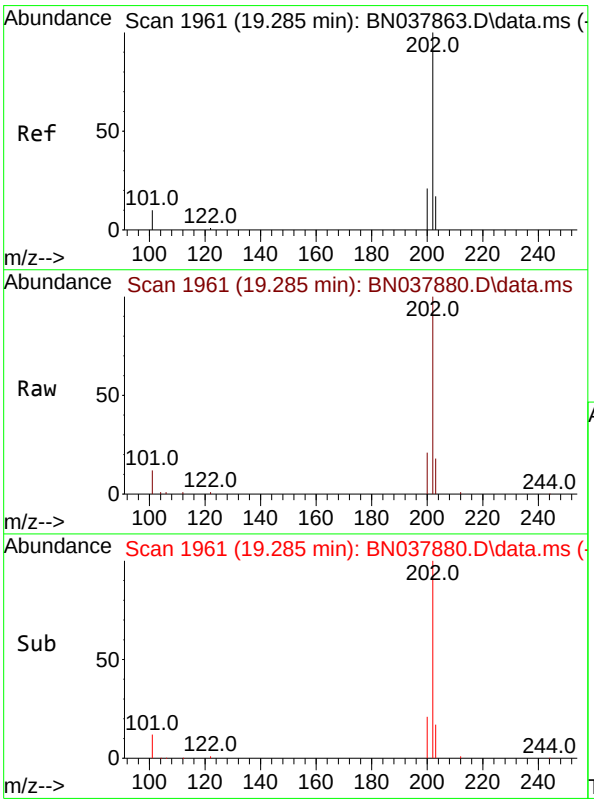
#27
Fluoranthene-d10
Concen: 0.333 ng
RT: 19.257 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:212 Resp: 13437

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.4	7.4	11.0

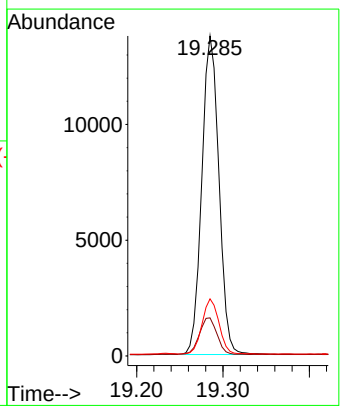


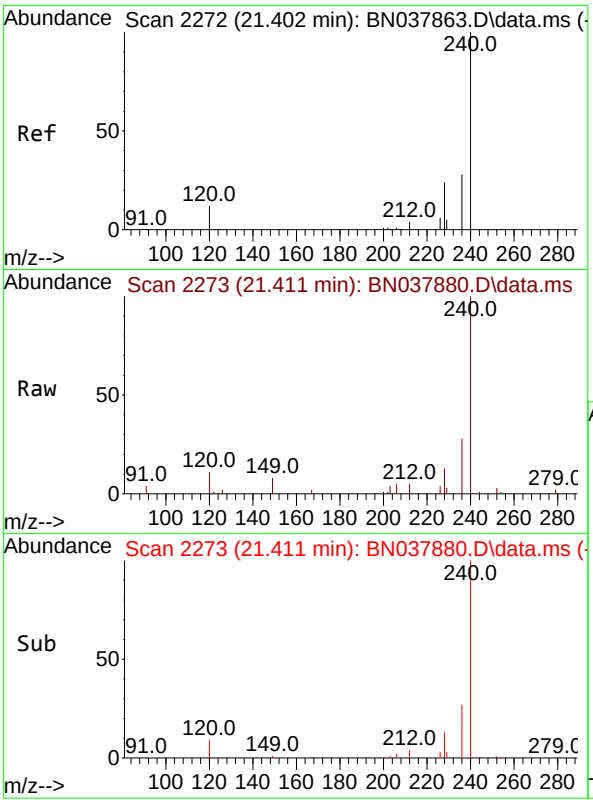


#28
Fluoranthene
Concen: 0.327 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:202 Resp: 19007

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



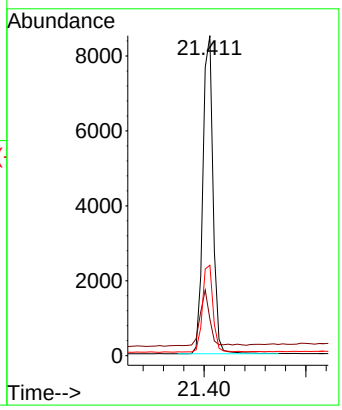


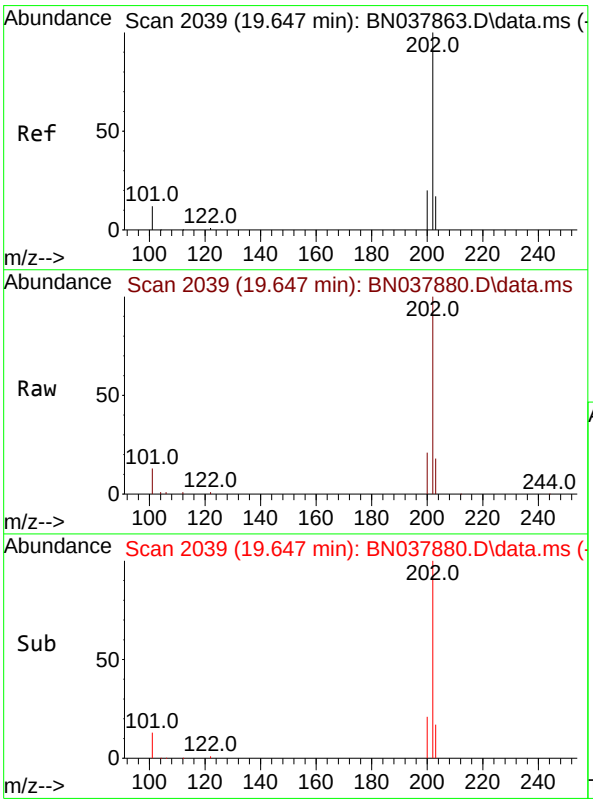
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:240 Resp: 11765

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

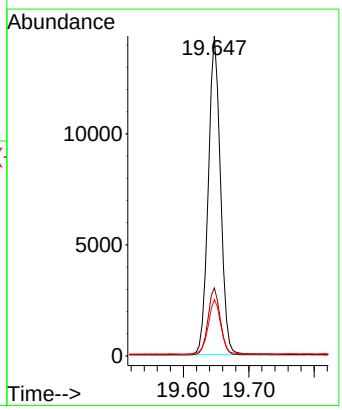


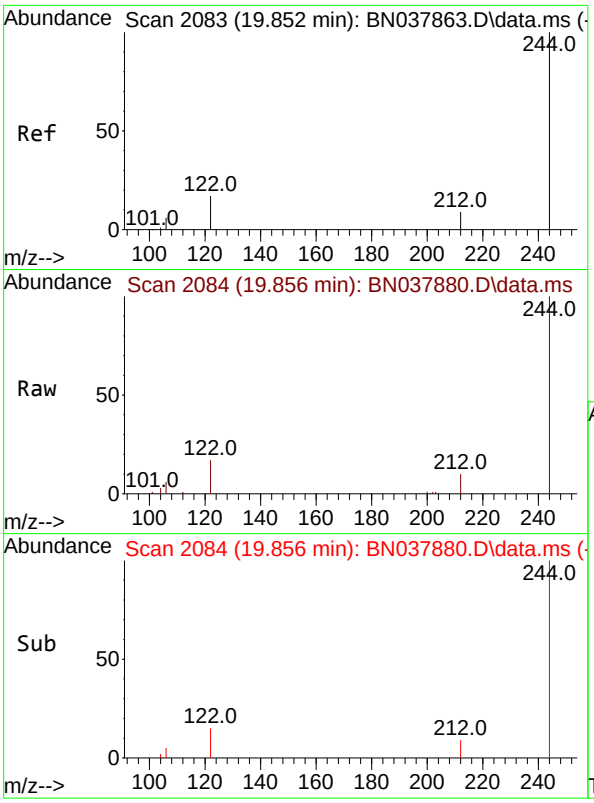


#30
Pyrene
Concen: 0.400 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:202 Resp: 18571

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.2	21.4



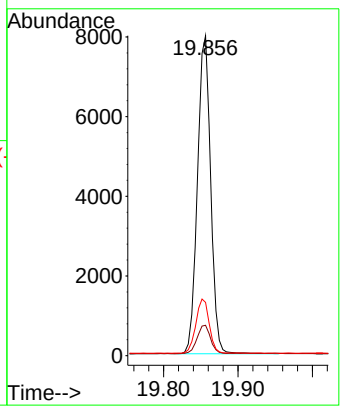


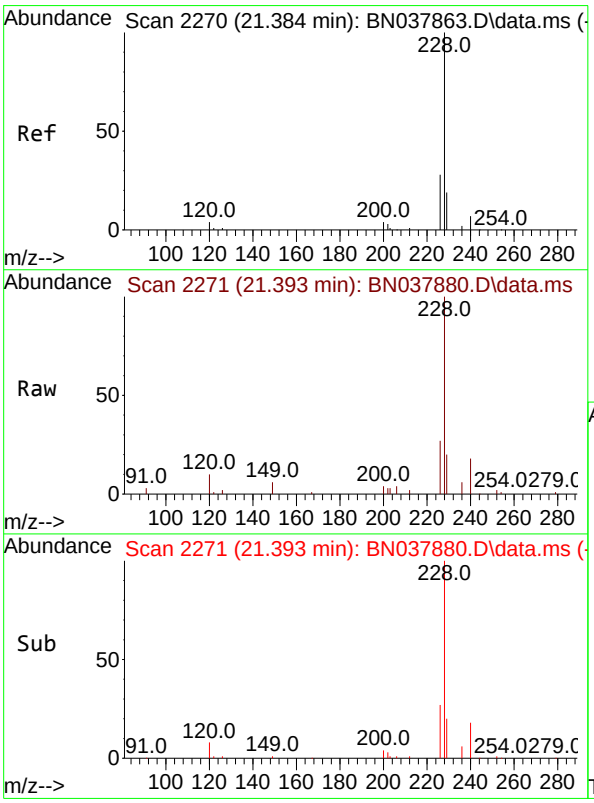
#31
Terphenyl-d14
Concen: 0.419 ng
RT: 19.856 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:244 Resp: 9816

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	16.7	13.9	20.9

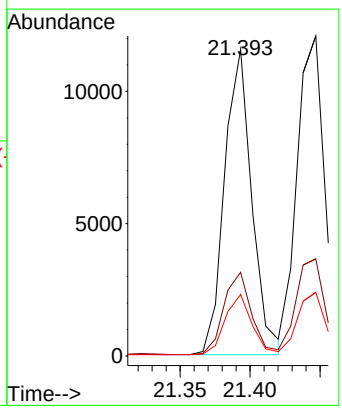


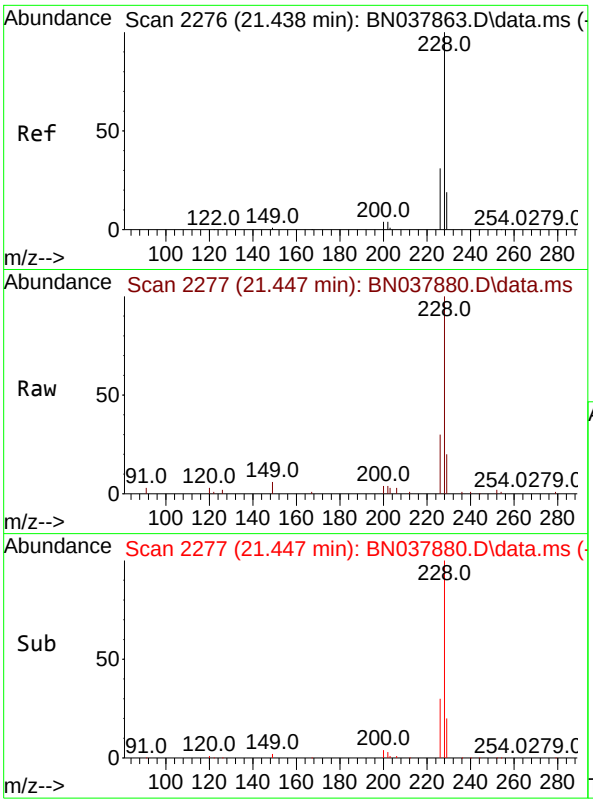


#32
Benzo(a)anthracene
Concen: 0.380 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:228 Resp: 15630

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.0	15.6	23.4



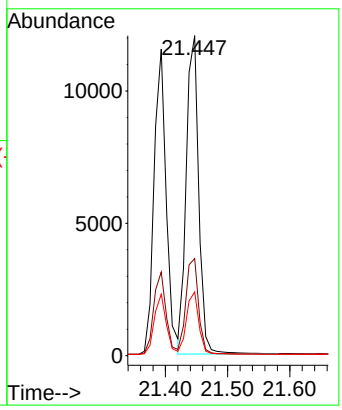


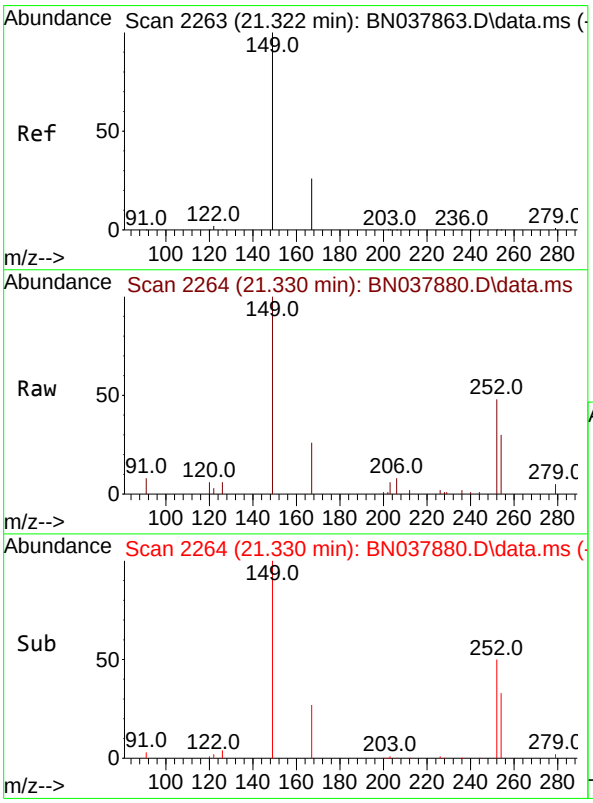
#33
Chrysene
Concen: 0.379 ng
RT: 21.447 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:228 Resp: 16856

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	19.9	15.6	23.4

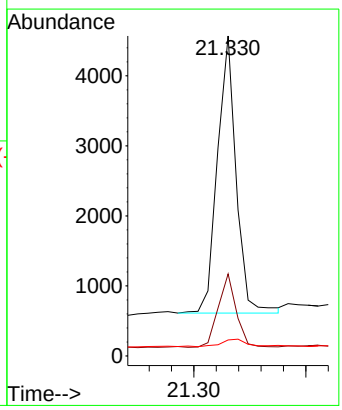


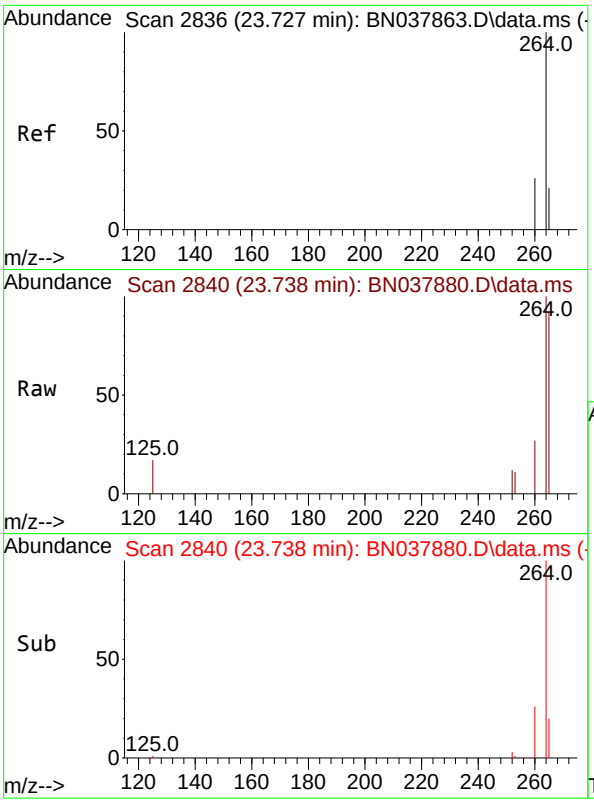


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.283 ng
RT: 21.330 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:149 Resp: 4607

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.4	30.6
279	3.6	2.4	3.6



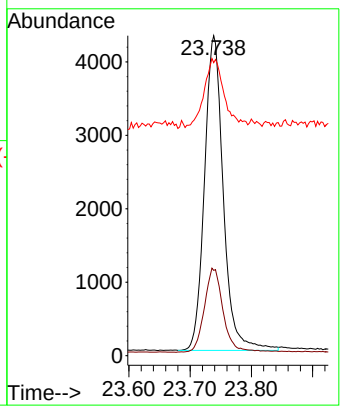


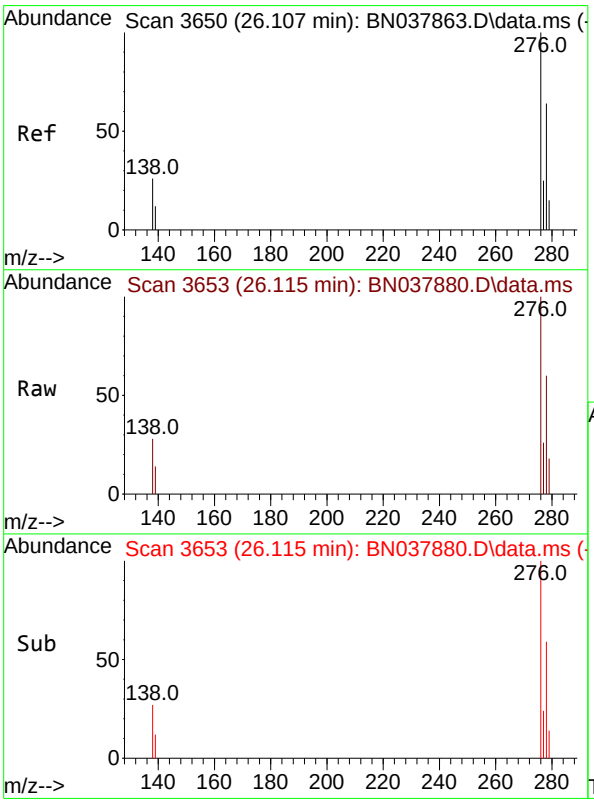
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:264 Resp: 9163

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.5	32.3
265	91.5	53.8	80.6#

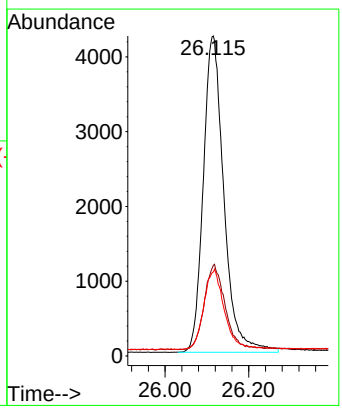


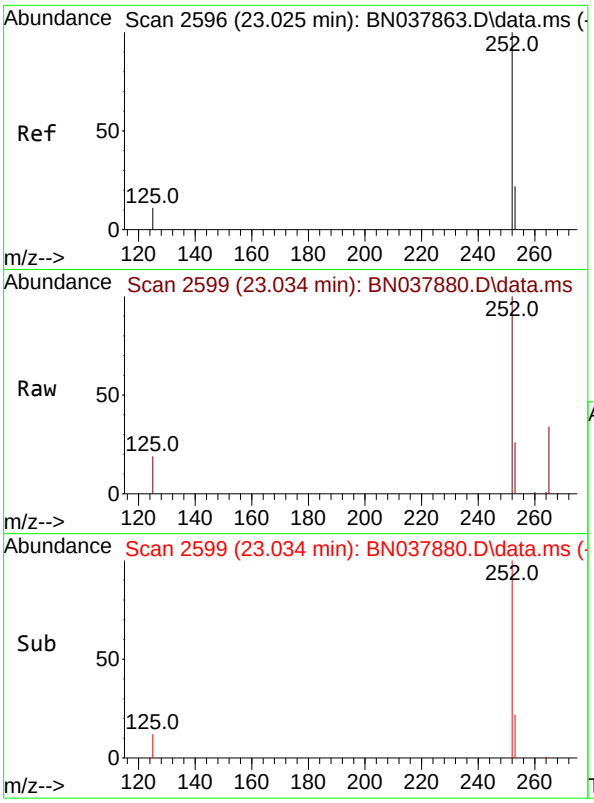


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.346 ng
RT: 26.115 min Scan# 3653
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:276 Resp: 14468

Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.4	32.0
277	25.0	20.3	30.5



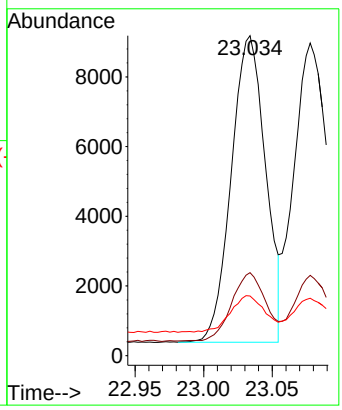


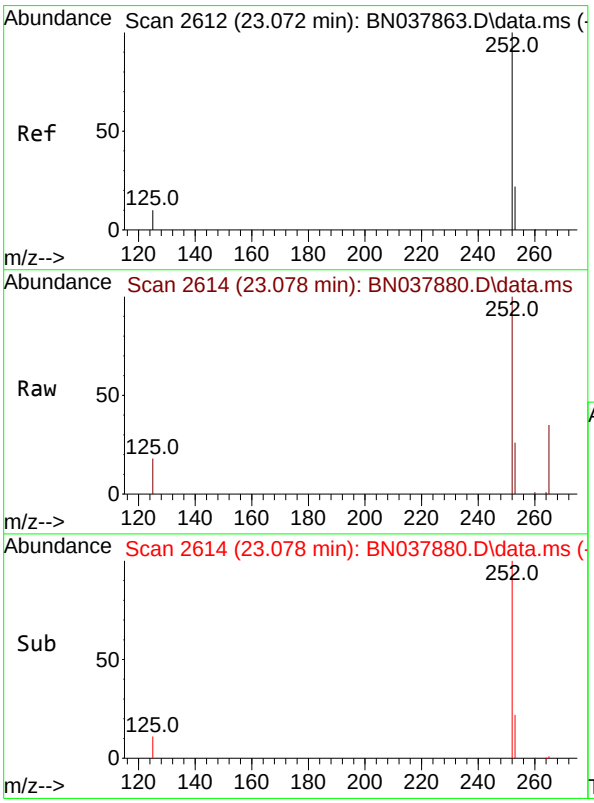
#37
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 23.034 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:252 Resp: 15258

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.4	29.0
125	18.7	13.0	19.4

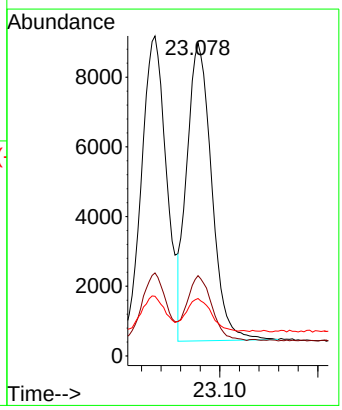


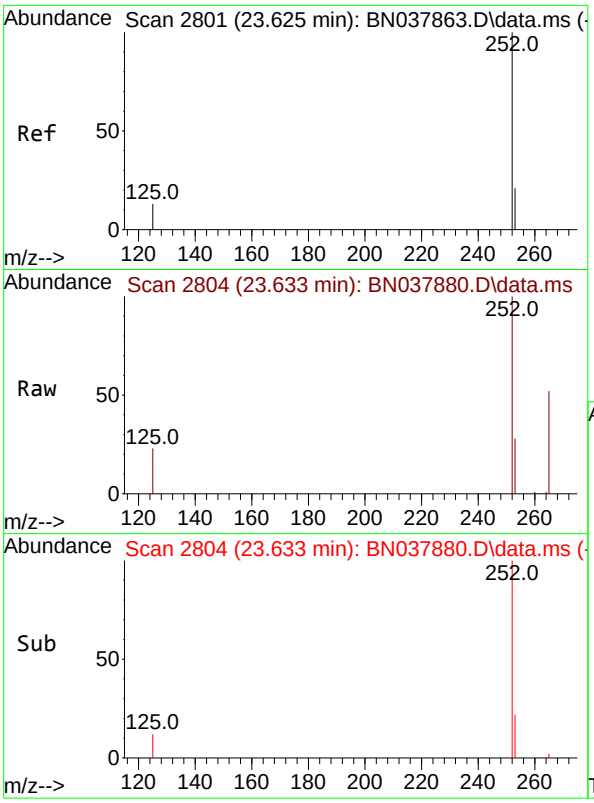


#38
Benzo(k)fluoranthene
Concen: 0.378 ng
RT: 23.078 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:252 Resp: 15027

Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.5	29.3
125	18.4	13.0	19.4



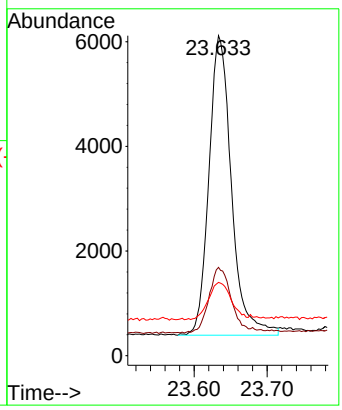


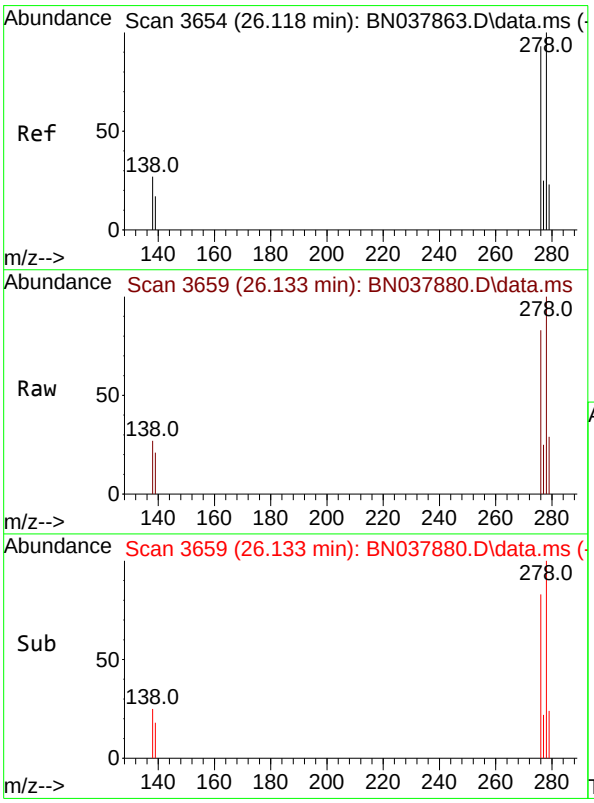
#39
Benzo(a)pyrene
Concen: 0.393 ng
RT: 23.633 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:252 Resp: 12288

Ion	Ratio	Lower	Upper
252	100		
253	27.6	20.6	30.8
125	22.9	16.7	25.1

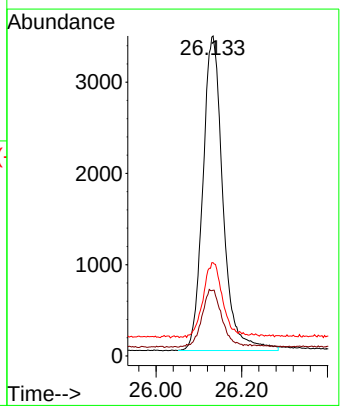


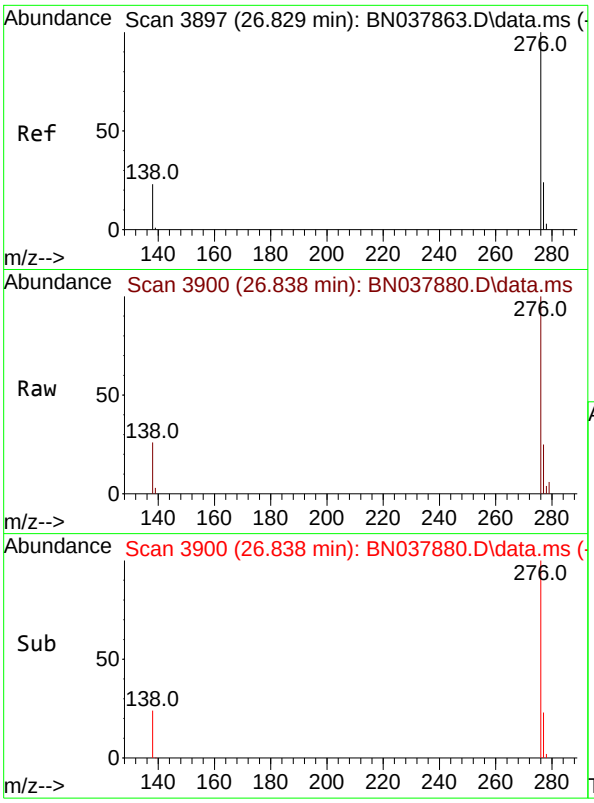


#40
Dibenzo(a,h)anthracene
Concen: 0.342 ng
RT: 26.133 min Scan# 3659
Delta R.T. 0.014 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Tgt Ion:278 Resp: 11192

Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.4	23.2
279	29.2	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.356 ng
RT: 26.838 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN037880.D
Acq: 24 Sep 2025 18:16

Instrument :
BNA_N
ClientSampleId :
PB169712BSD

Tgt Ion:276 Resp: 12217

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.4
138	26.3	19.8	29.8