Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037810.D
Acq On : 19 Sep 2025 12:27
Operator : RC/JU
Sample : Q3127-15MSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 19 13:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	5675	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	15407	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	6857	0.400	ng	-0.01
19) Phenanthrene-d10	17.223	188	11592	0.400	ng	-0.01
29) Chrysene-d12	21.411	240	10004	0.400	ng	0.00
35) Perylene-d12	23.741	264	9737	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	1897	0.146	ng	0.00
5) Phenol-d6	6.980	99	1434	0.085	ng	0.00
8) Nitrobenzene-d5	8.982	82	3901	0.346	ng	-0.01
11) 2-Methylnaphthalene-d10	12.227	152	6894	0.338	ng	-0.02
14) 2,4,6-Tribromophenol	15.969	330	782	0.437	ng	-0.01
15) 2-Fluorobiphenyl	13.105	172	10028	0.350	ng	-0.01
27) Fluoranthene-d10	19.262	212	10760	0.370	ng	0.00
31) Terphenyl-d14	19.861	244	8455	0.416	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2066	0.350	ng	# 93
3) n-Nitrosodimethylamine	3.600	42	1165	0.151	ng	# 74
6) bis(2-Chloroethyl)ether	7.248	93	5222	0.346	ng	100
9) Naphthalene	10.680	128	13821	0.328	ng	100
10) Hexachlorobutadiene	10.989	225	2343	0.308	ng	# 99
12) 2-Methylnaphthalene	12.303	142	7743	0.297	ng	98
16) Acenaphthylene	14.195	152	11528	0.367	ng	99
17) Acenaphthene	14.548	154	7272	0.342	ng	99
18) Fluorene	15.535	166	8661	0.336	ng	99
20) 4,6-Dinitro-2-methylph...	15.597	198	404	0.376	ng	92
21) 4-Bromophenyl-phenylether	16.429	248	2790	0.369	ng	98
22) Hexachlorobenzene	16.540	284	3269	0.376	ng	99
23) Atrazine	16.689	200	1858	0.386	ng	96
24) Pentachlorophenol	16.875	266	1907	0.755	ng	96
25) Phenanthrene	17.273	178	14009	0.384	ng	100
26) Anthracene	17.359	178	11991	0.371	ng	99
28) Fluoranthene	19.290	202	14730	0.368	ng	# 95
30) Pyrene	19.652	202	14951	0.382	ng	100
32) Benzo(a)anthracene	21.393	228	13905	0.399	ng	99
33) Chrysene	21.447	228	14913	0.399	ng	99
34) Bis(2-ethylhexyl)phtha...	21.331	149	5161	0.499	ng	98
36) Indeno(1,2,3-cd)pyrene	26.121	276	16404	0.401	ng	99
37) Benzo(b)fluoranthene	23.037	252	15470	0.403	ng	# 96
38) Benzo(k)fluoranthene	23.084	252	15665	0.401	ng	96
39) Benzo(a)pyrene	23.636	252	12334	0.402	ng	# 96
40) Dibenzo(a,h)anthracene	26.142	278	13012	0.398	ng	99
41) Benzo(g,h,i)perylene	26.849	276	12751	0.348	ng	99

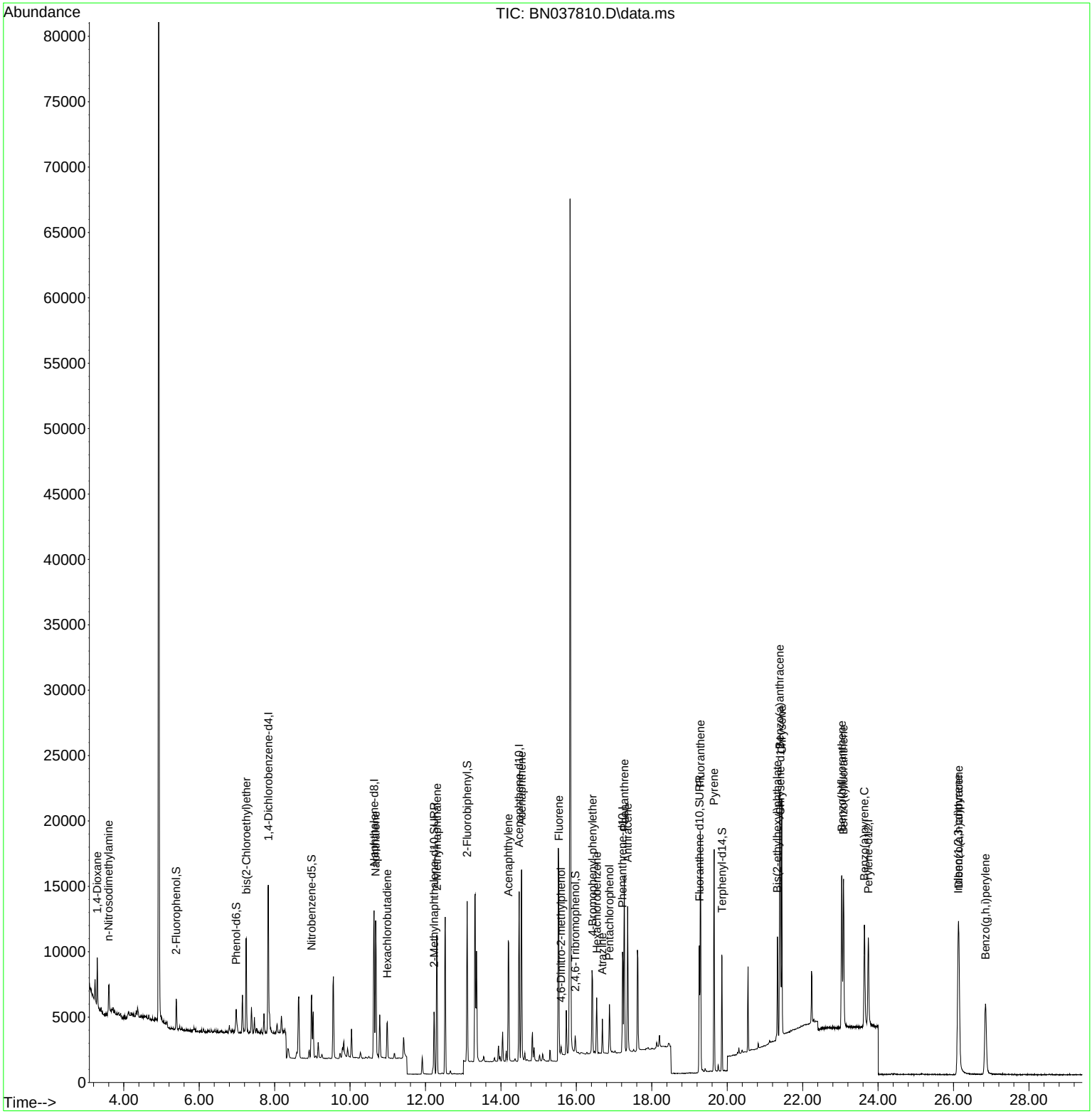
(#) = qualifier out of range (m) = manual integration (+) = signals summed

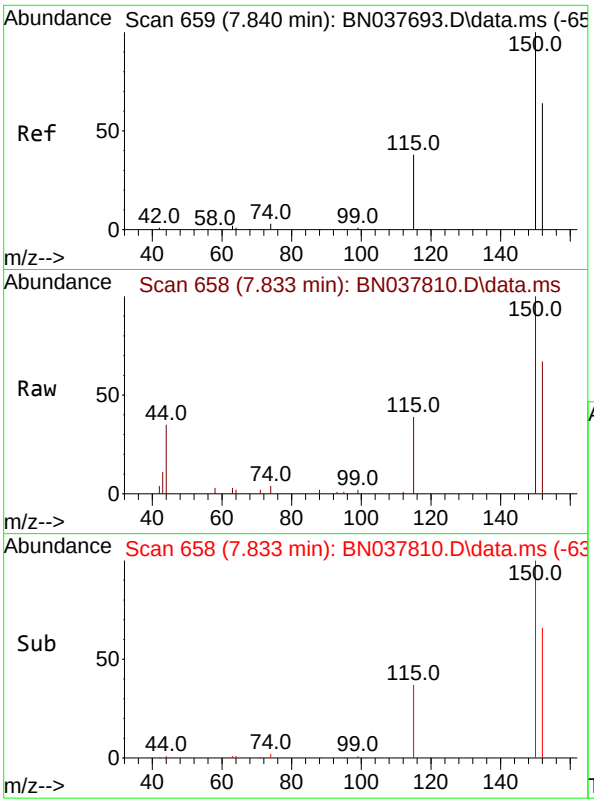
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037810.D
Acq On : 19 Sep 2025 12:27
Operator : RC/JU
Sample : Q3127-15MSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 19 13:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



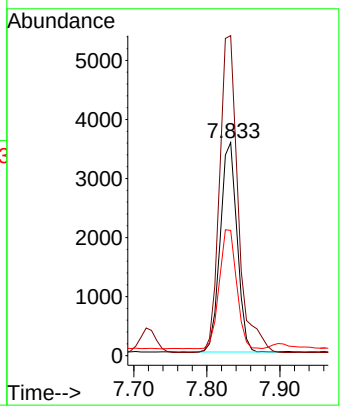


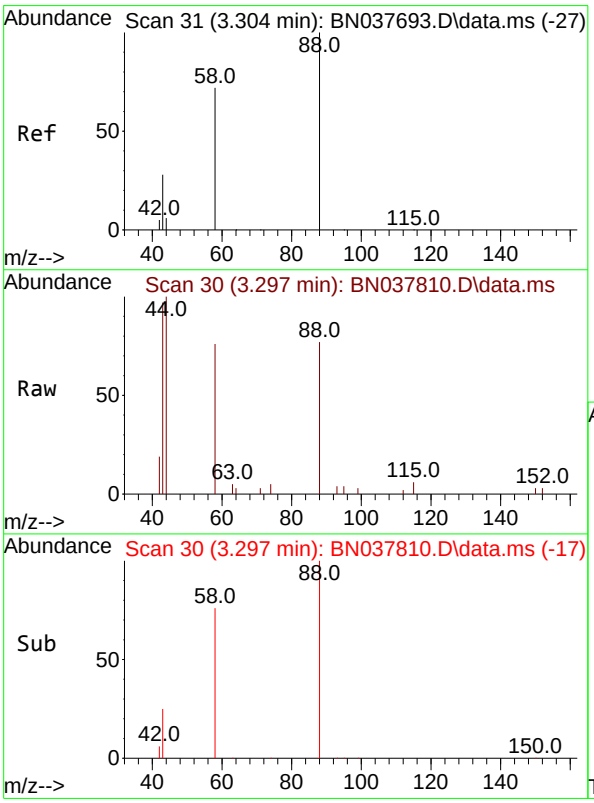
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 5675

Ion	Ratio	Lower	Upper
152	100		
150	150.1	124.5	186.7
115	58.8	49.2	73.8

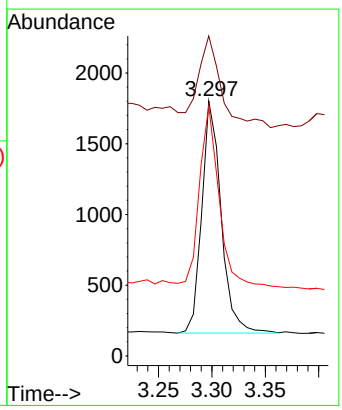


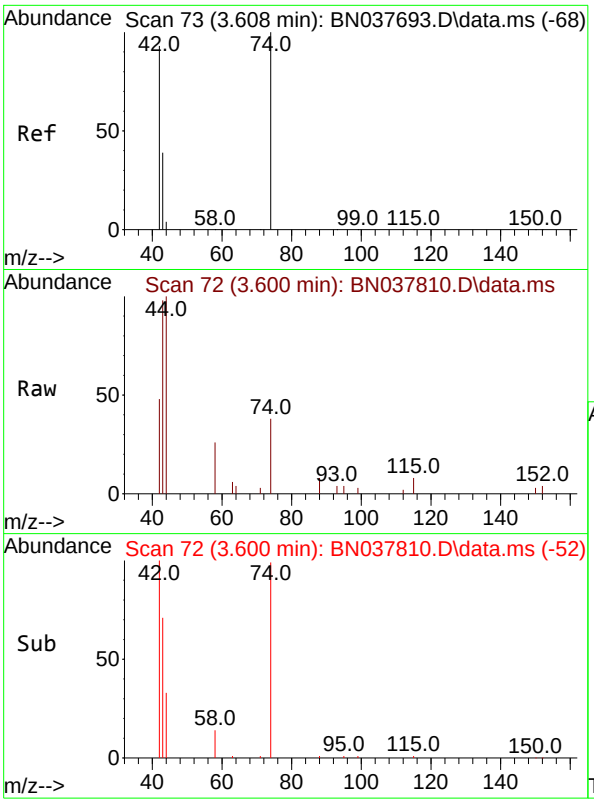


#2
1,4-Dioxane
Concen: 0.350 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion: 88 Resp: 2066

Ion	Ratio	Lower	Upper
88	100		
43	43.1	26.8	40.2#
58	79.7	61.9	92.9



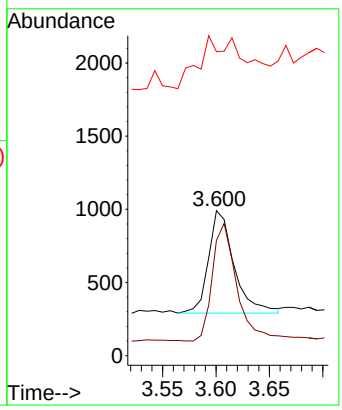


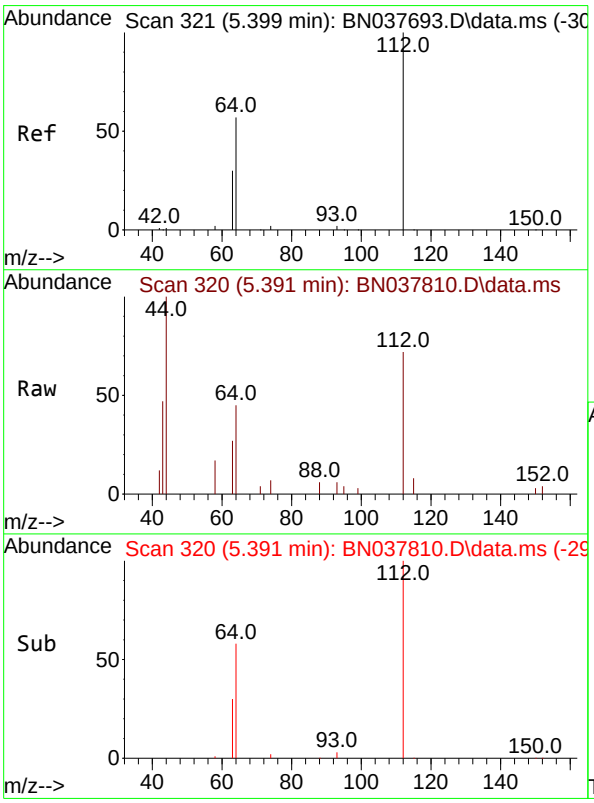
#3
n-Nitrosodimethylamine
Concen: 0.151 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 1165

Ion	Ratio	Lower	Upper
42	100		
74	114.0	86.0	129.0
44	95.3	8.4	12.6#

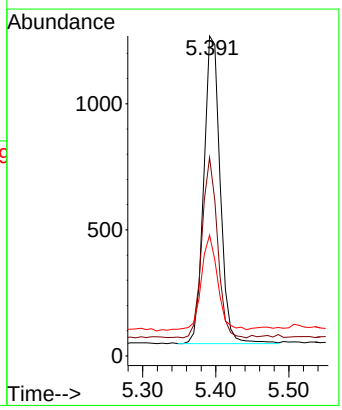


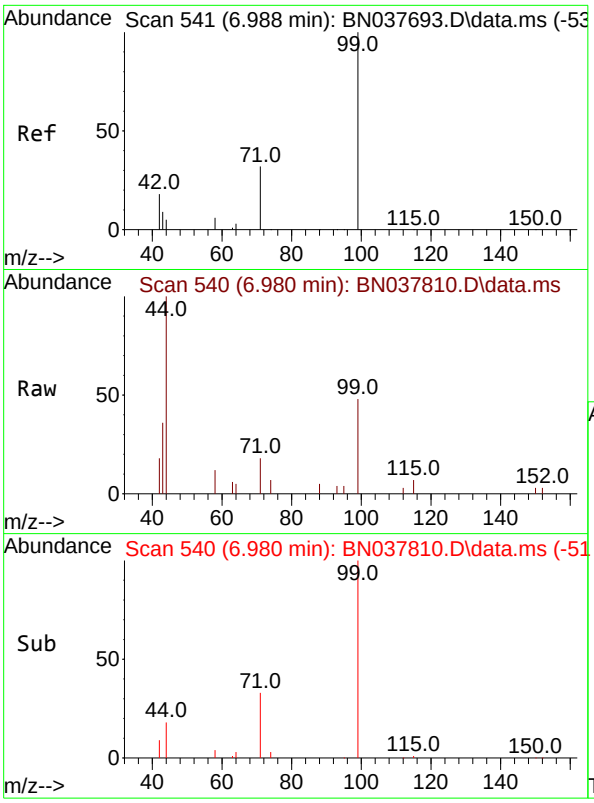


#4
2-Fluorophenol
Concen: 0.146 ng
RT: 5.391 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:112 Resp: 1897

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	31.5	24.7	37.1



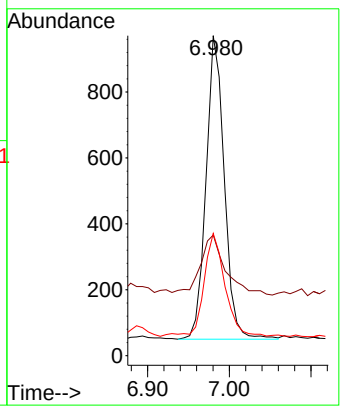


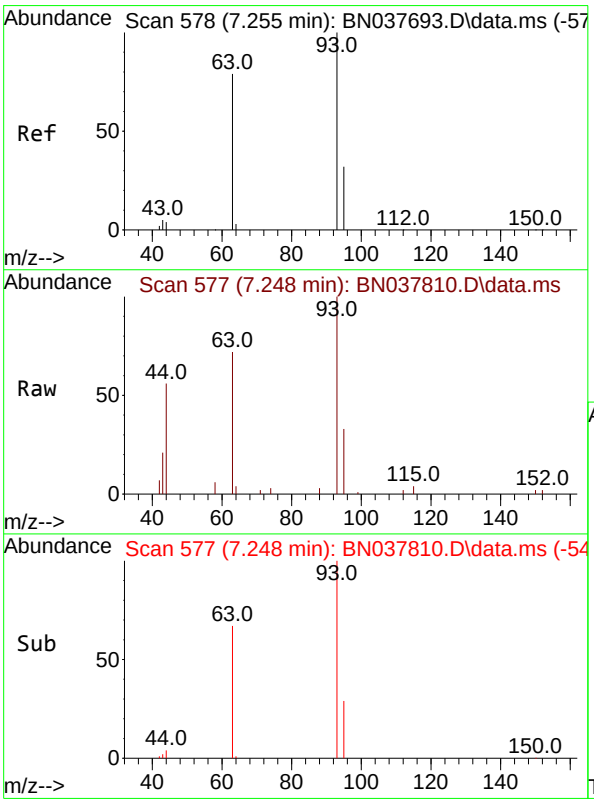
#5
Phenol-d6
Concen: 0.085 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 1434

Ion	Ratio	Lower	Upper
99	100		
42	27.4	16.6	24.8#
71	39.0	26.7	40.1

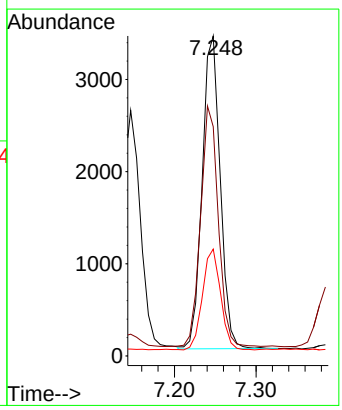


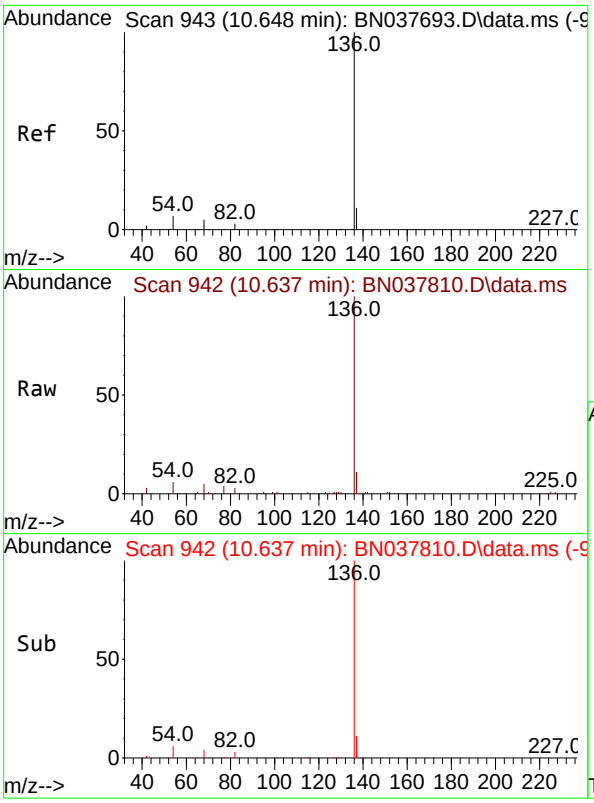


#6
bis(2-Chloroethyl)ether
Concen: 0.346 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion: 93 Resp: 5222

Ion	Ratio	Lower	Upper
93	100		
63	75.5	60.6	90.8
95	32.4	26.0	39.0



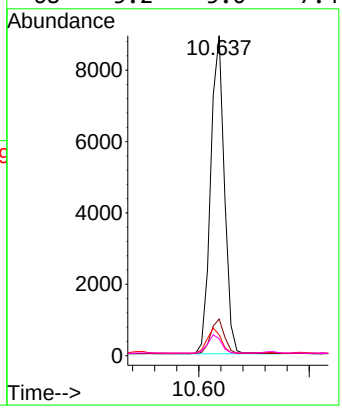


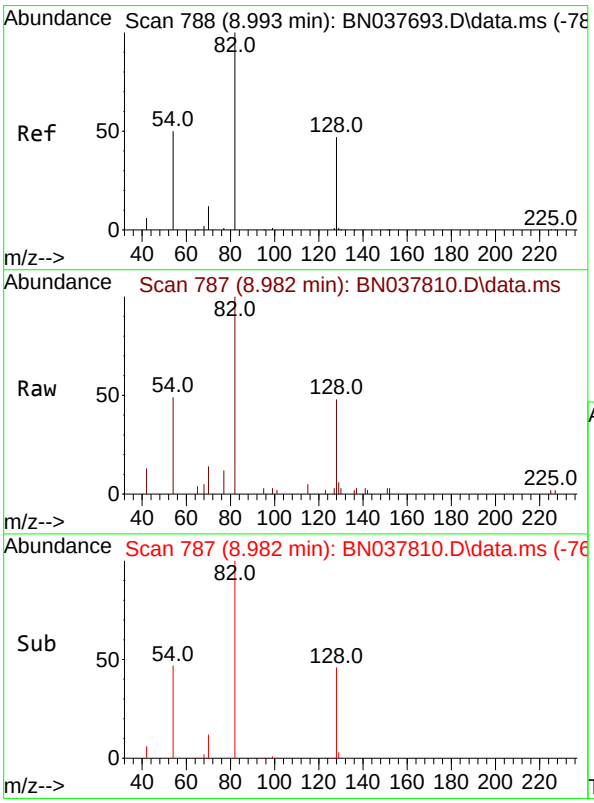
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 15407

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.5	6.3	9.5
68	5.2	5.0	7.4

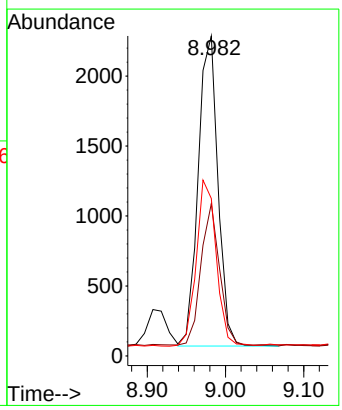


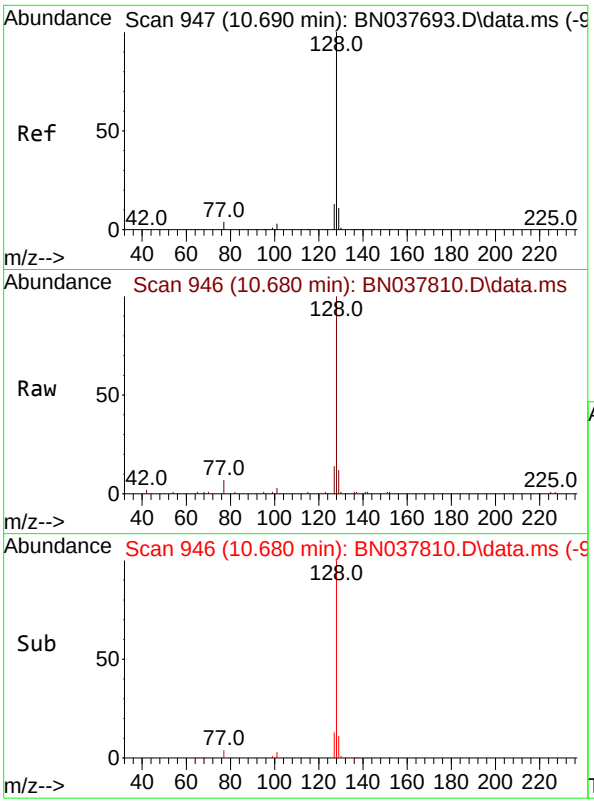


#8
Nitrobenzene-d5
Concen: 0.346 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion: 82 Resp: 3901

Ion	Ratio	Lower	Upper
82	100		
128	47.6	38.3	57.5
54	49.2	41.4	62.2



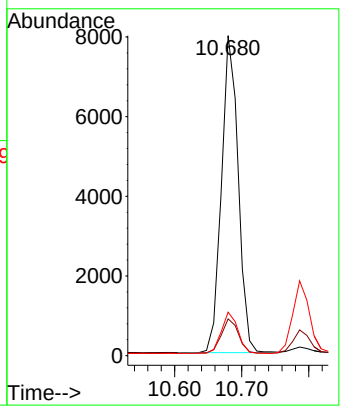


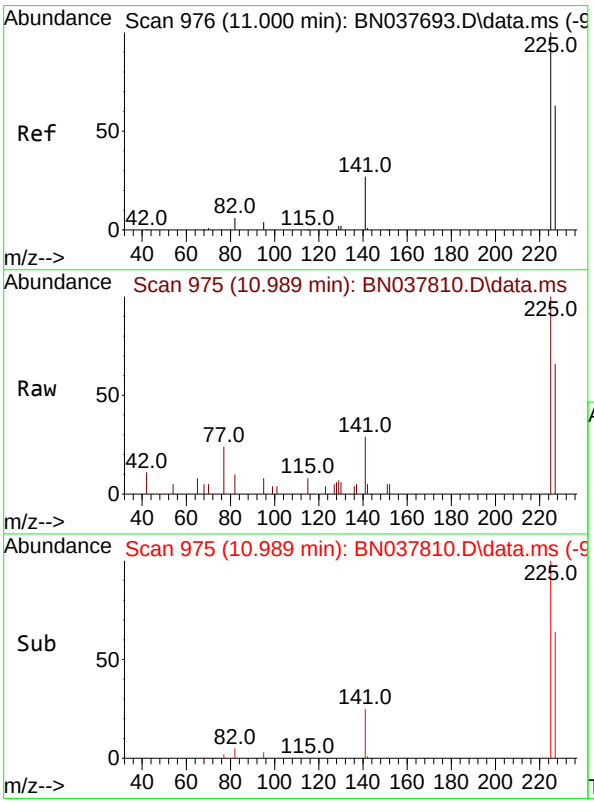
#9
Naphthalene
Concen: 0.328 ng
RT: 10.680 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 13821

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.6	10.9	16.3

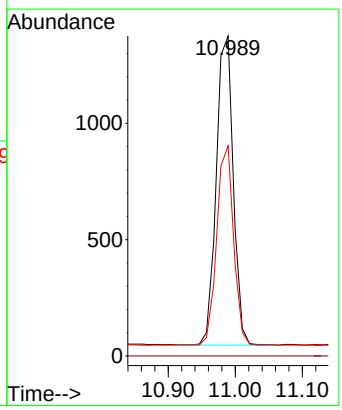


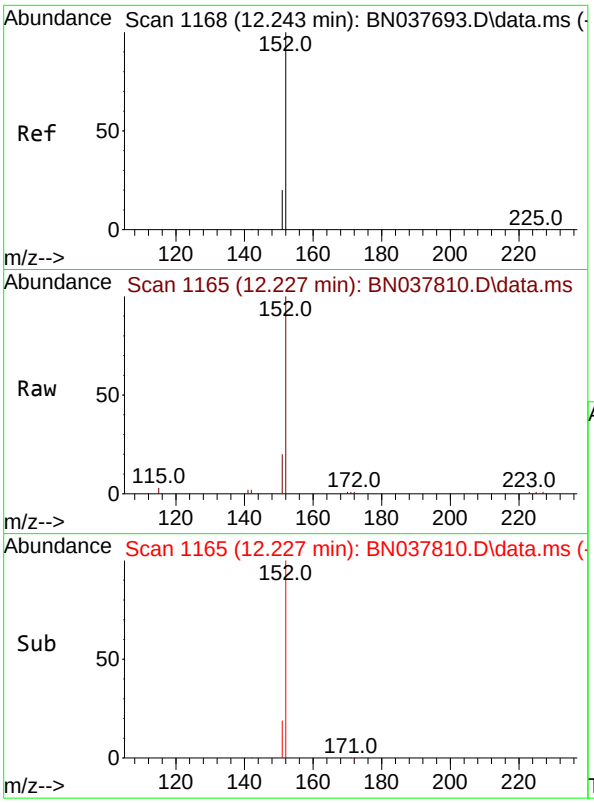


#10
Hexachlorobutadiene
Concen: 0.308 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:225 Resp: 2343

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.9	76.3



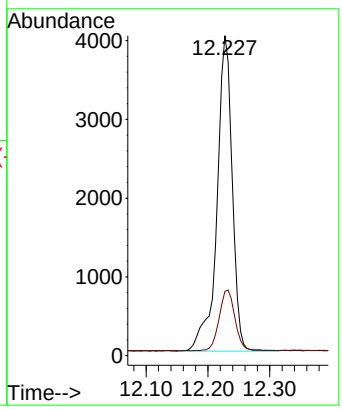


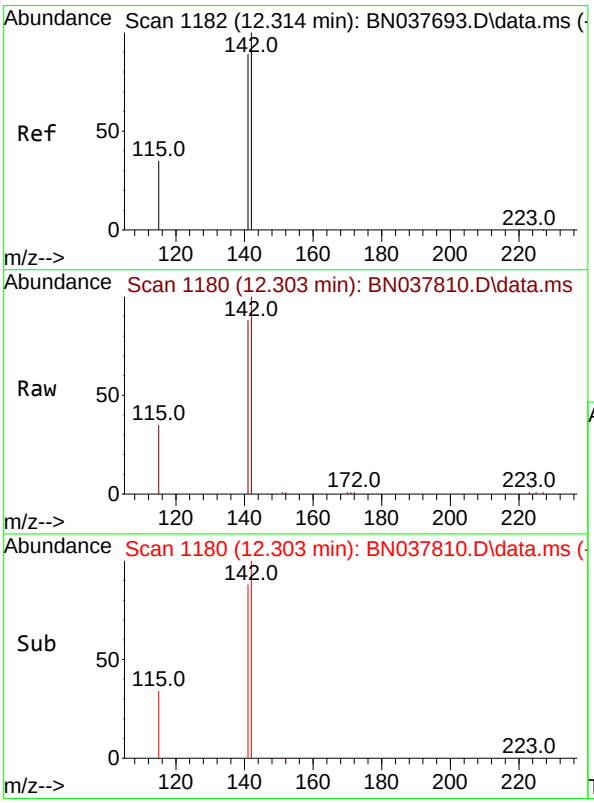
#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 12.227 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 6894

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.0	25.6

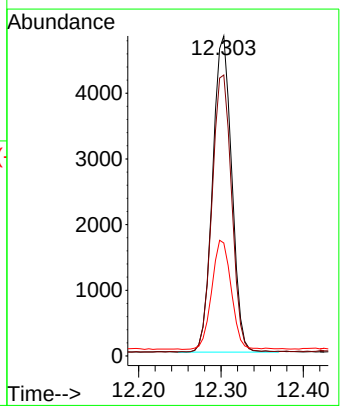


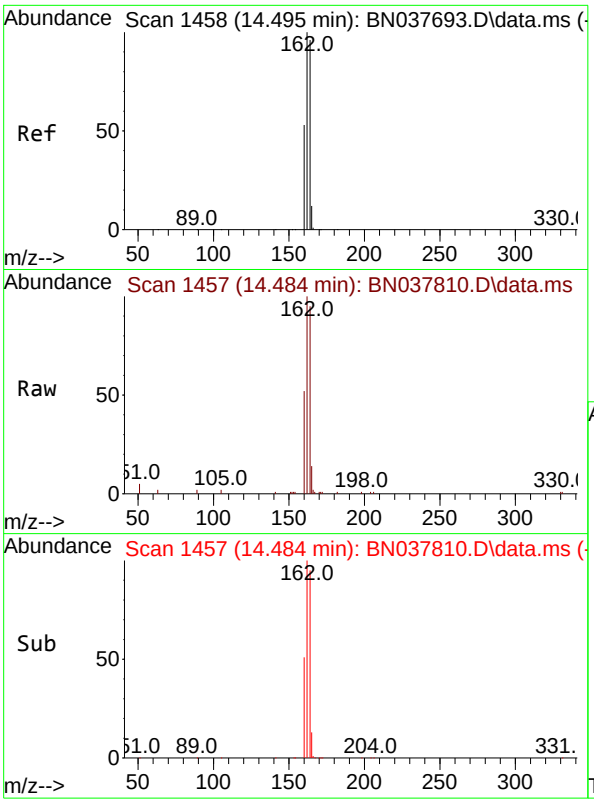


#12
2-Methylnaphthalene
Concen: 0.297 ng
RT: 12.303 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:142 Resp: 7743

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.6	107.4
115	35.3	28.6	43.0



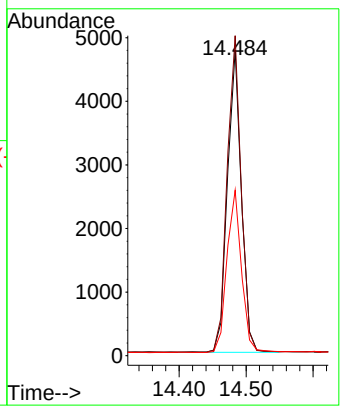


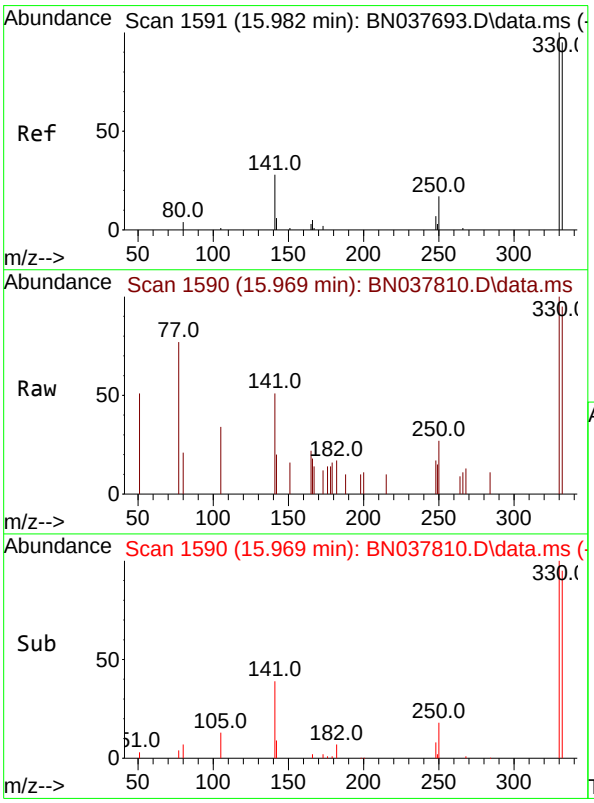
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 6857

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.1	124.7
160	54.1	44.3	66.5

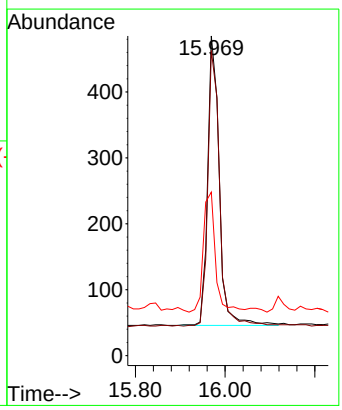


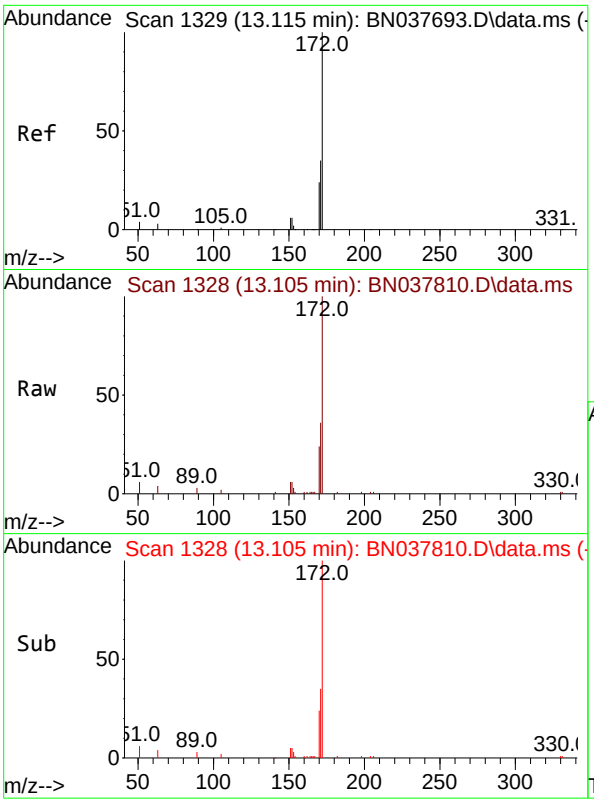


#14
2,4,6-Tribromophenol
Concen: 0.437 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:330 Resp: 782

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.3	112.9
141	43.5	35.0	52.4



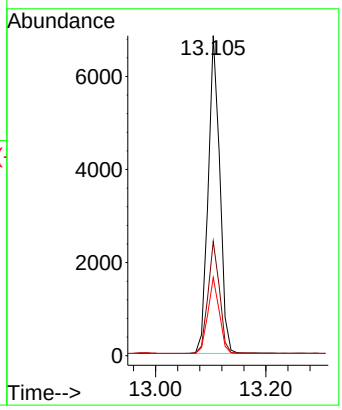


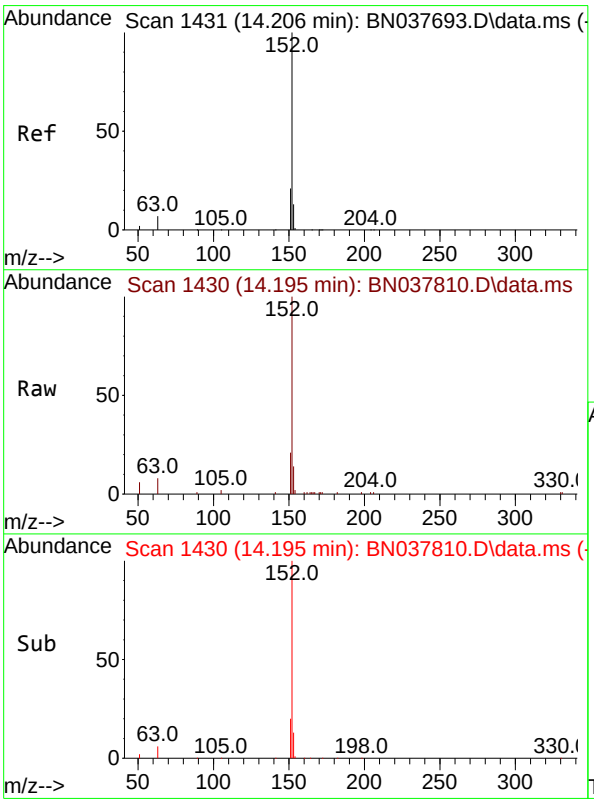
#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 10028

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.4	19.8	29.8

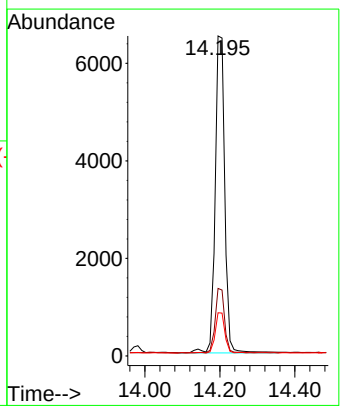


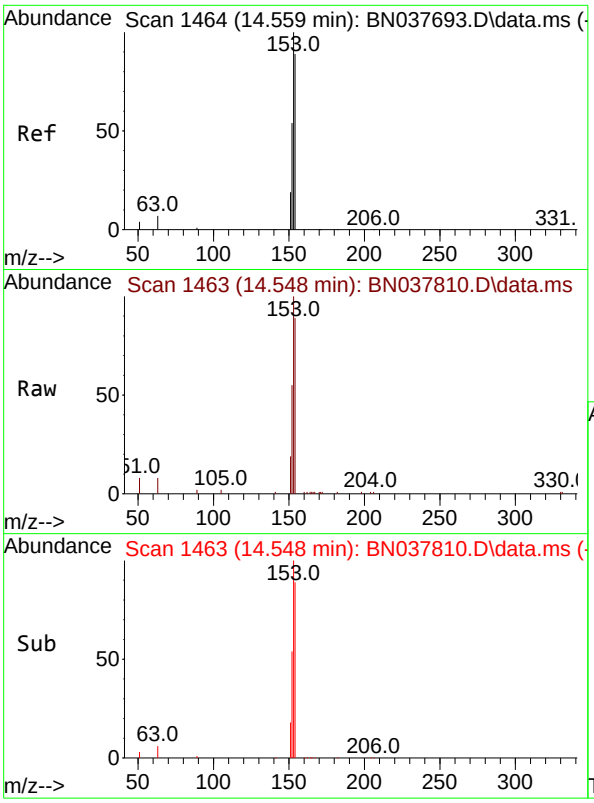


#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:152 Resp: 11528

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	12.8	10.4	15.6



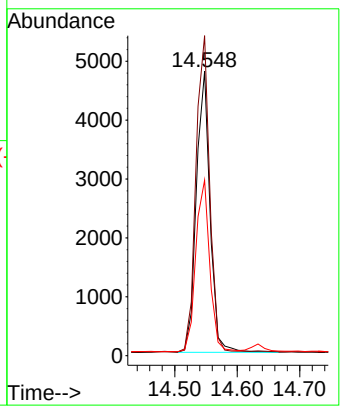


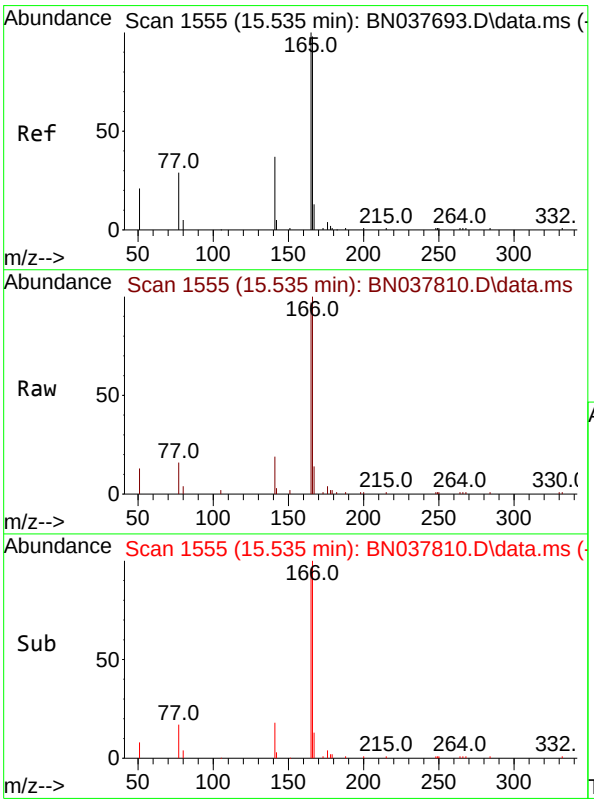
#17
Acenaphthene
Concen: 0.342 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 7272

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.8	134.8
152	62.0	50.2	75.2

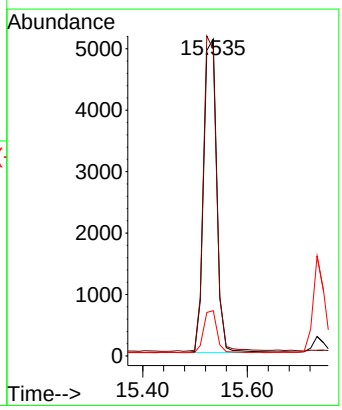


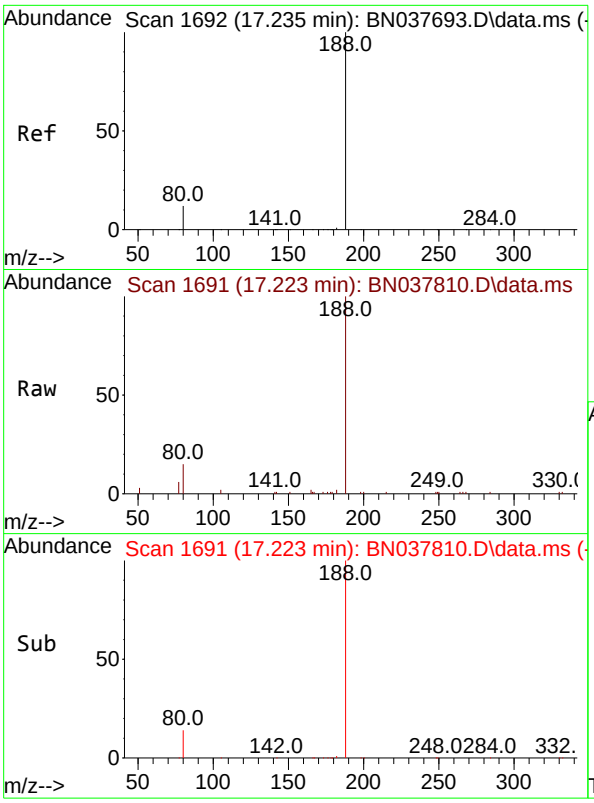


#18
Fluorene
Concen: 0.336 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:166 Resp: 8661

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.6	119.4
167	13.6	10.6	16.0



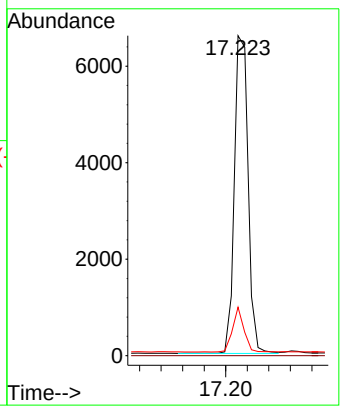


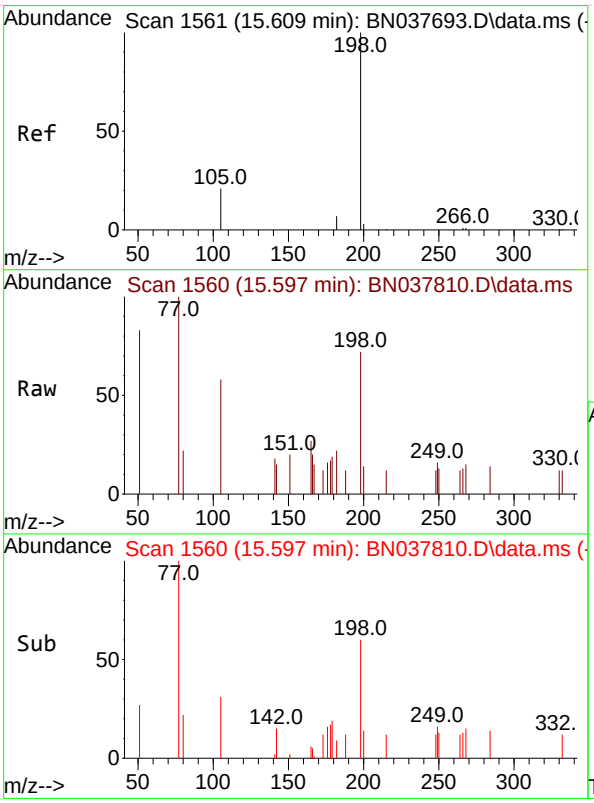
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 11592

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.2	10.6	15.8

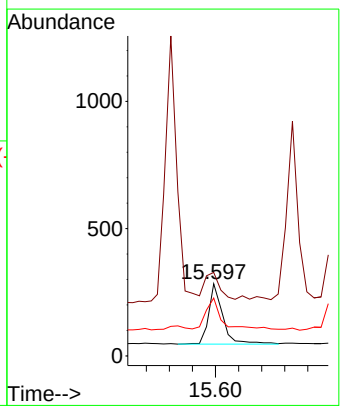


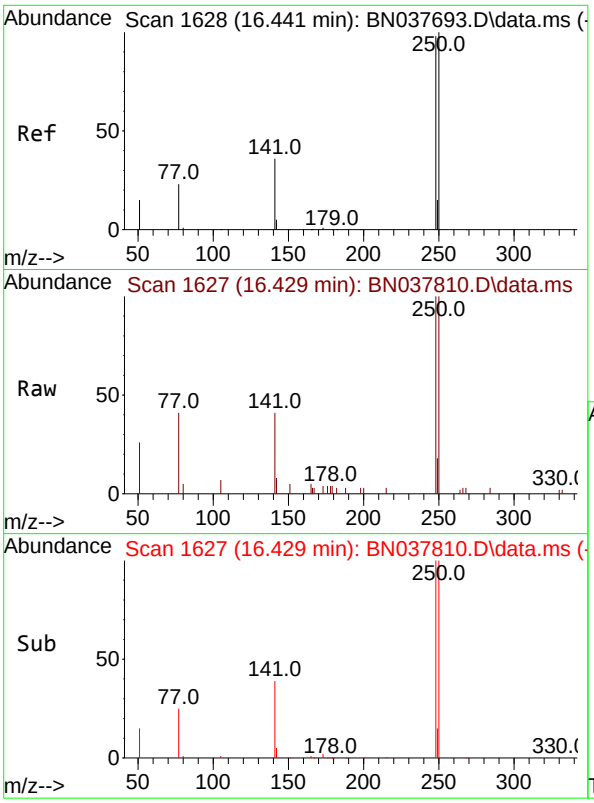


#20
4,6-Dinitro-2-methylphenol
Concen: 0.376 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:198 Resp: 404

Ion	Ratio	Lower	Upper
198	100		
51	115.9	95.1	142.7
105	80.2	53.8	80.6



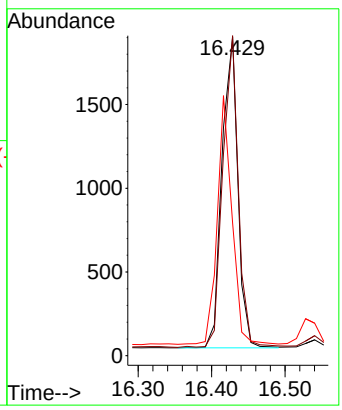


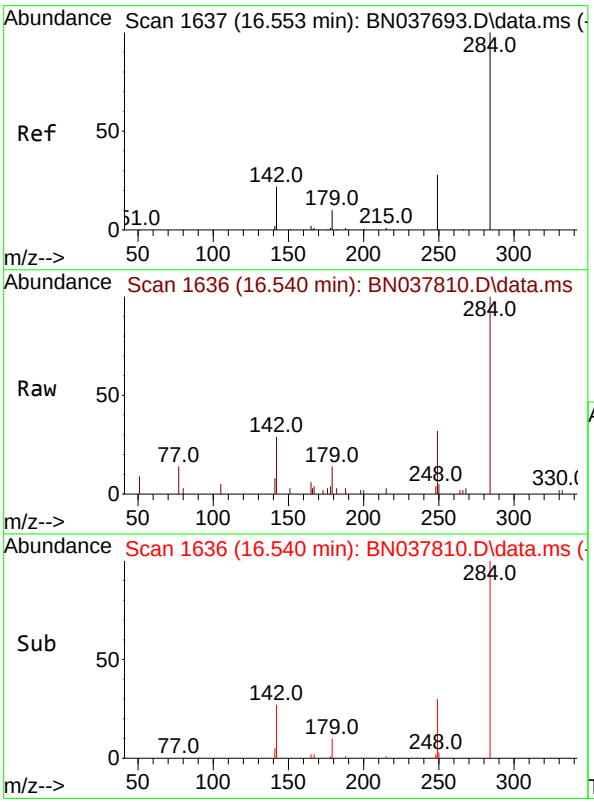
#21
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 2790

Ion	Ratio	Lower	Upper
248	100		
250	100.5	81.5	122.3
141	41.7	30.8	46.2

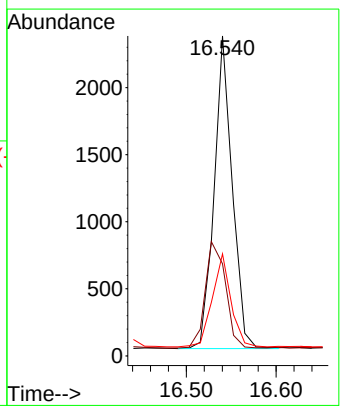


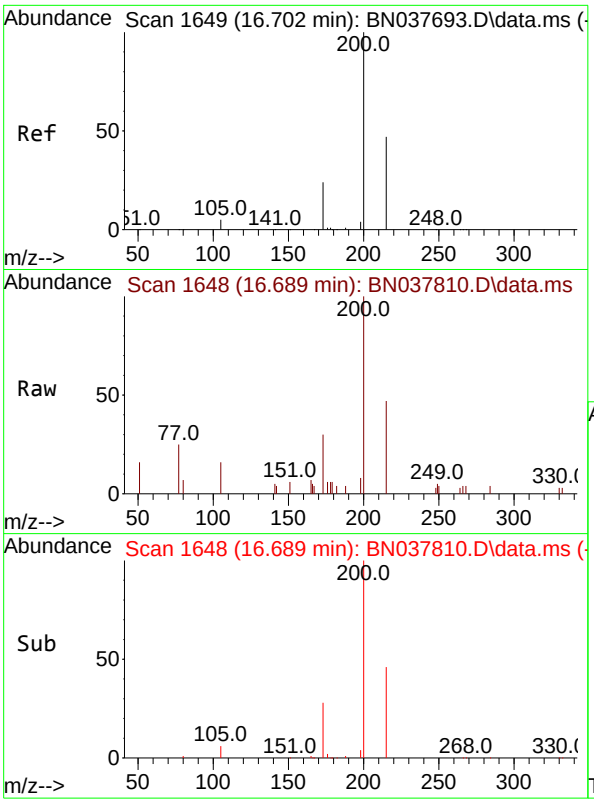


#22
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:284 Resp: 3269

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.9	46.3
249	30.5	24.8	37.2



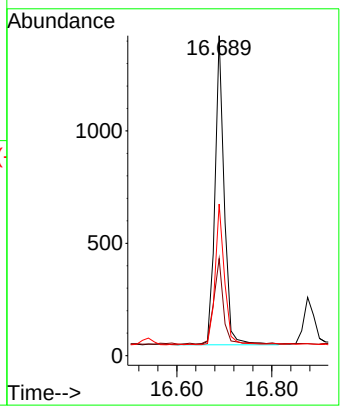


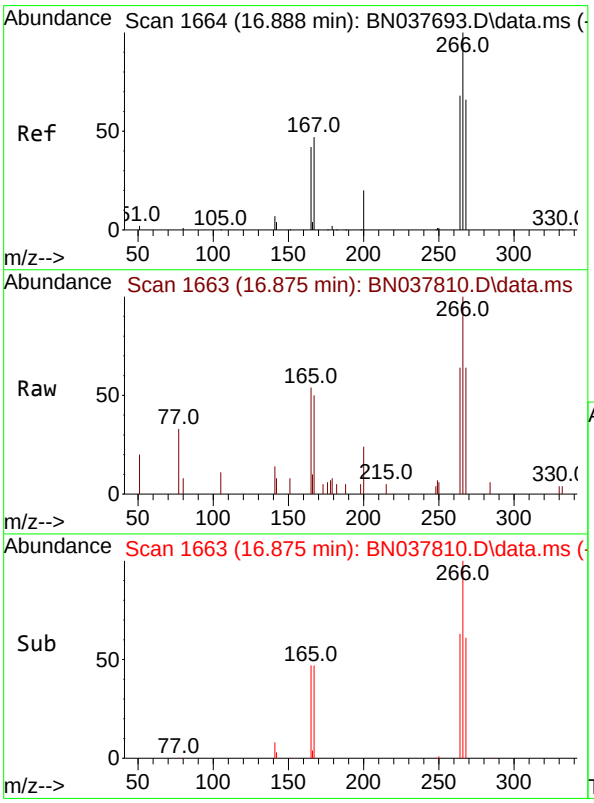
#23
Atrazine
Concen: 0.386 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:200 Resp: 1858

Ion	Ratio	Lower	Upper
200	100		
173	30.3	21.4	32.2
215	47.4	39.2	58.8

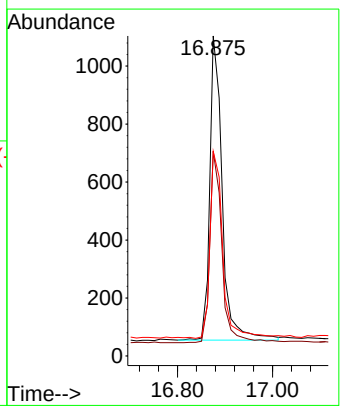


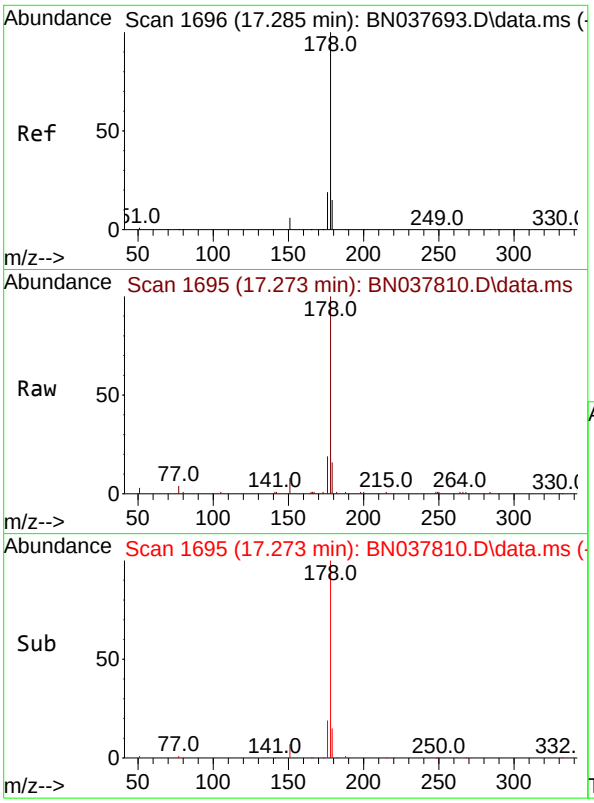


#24
Pentachlorophenol
Concen: 0.755 ng
RT: 16.875 min Scan# 1663
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:266 Resp: 1907

Ion	Ratio	Lower	Upper
266	100		
264	61.6	51.6	77.4
268	63.3	53.2	79.8



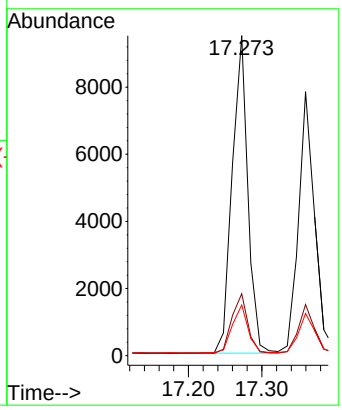


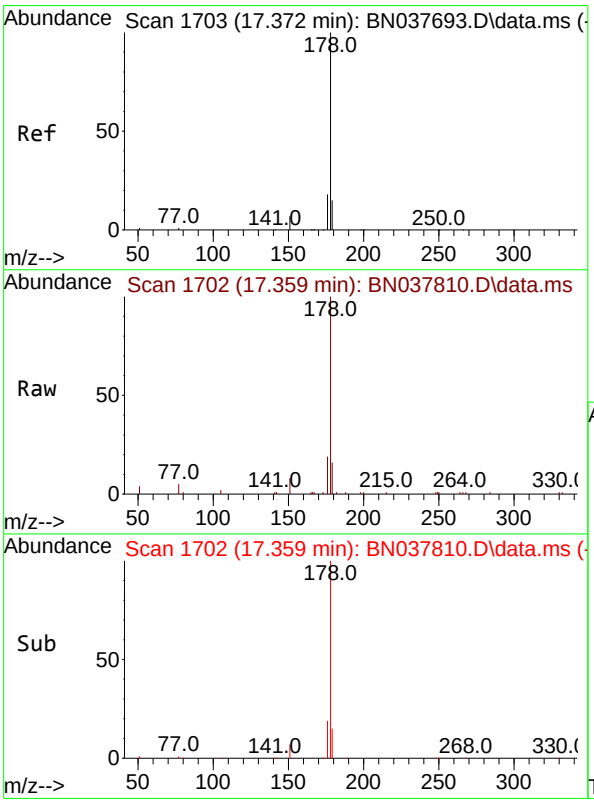
#25
Phenanthrene
Concen: 0.384 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 14009

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.2	18.2

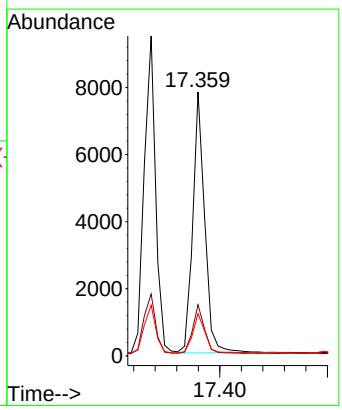


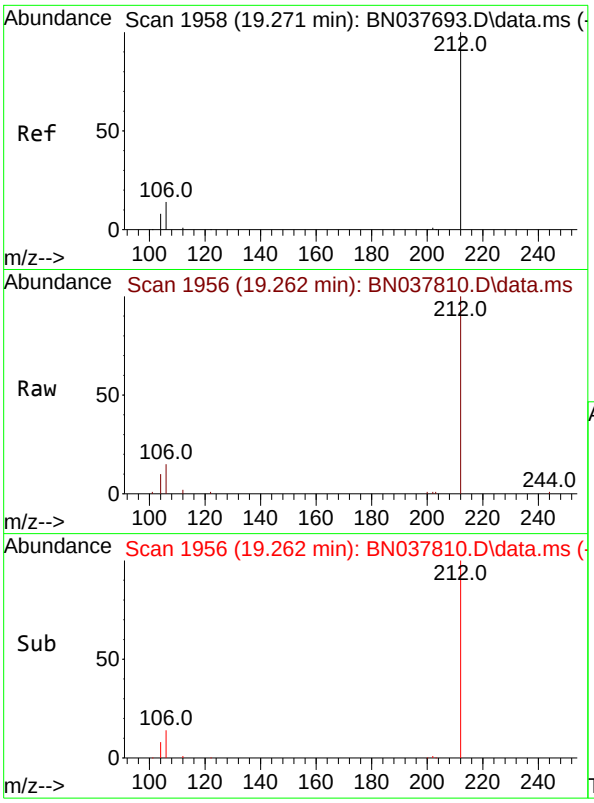


#26
Anthracene
Concen: 0.371 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.013 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:178 Resp: 11991

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.4	12.2	18.4



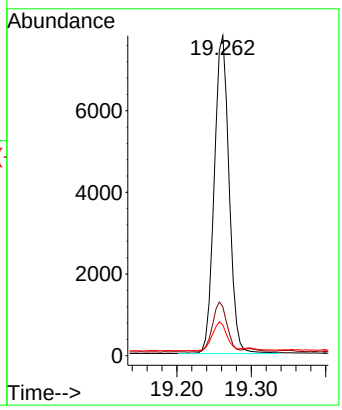


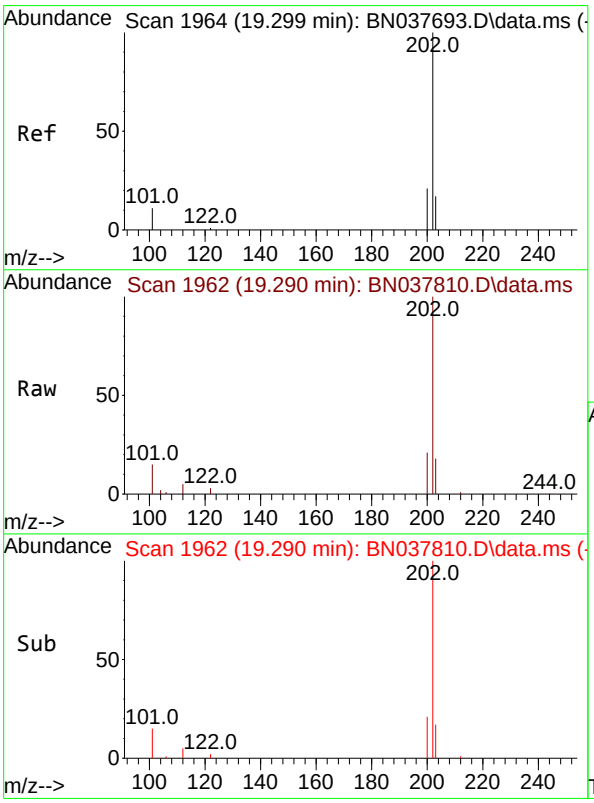
#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 10760

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.2	18.2
104	9.0	6.9	10.3

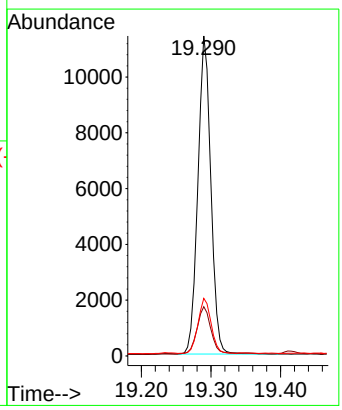


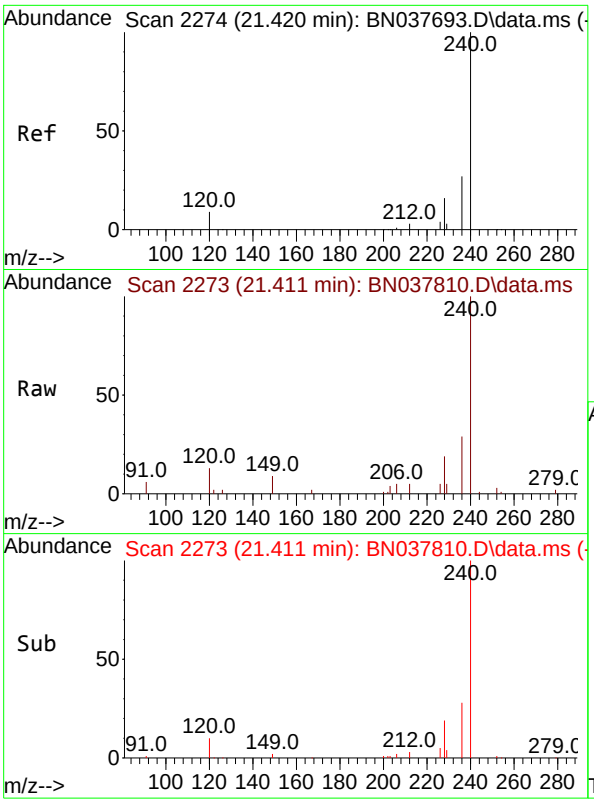


#28
Fluoranthene
Concen: 0.368 ng
RT: 19.290 min Scan# 1962
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:202 Resp: 14730

Ion	Ratio	Lower	Upper
202	100		
101	15.9	9.3	13.9#
203	17.4	13.7	20.5



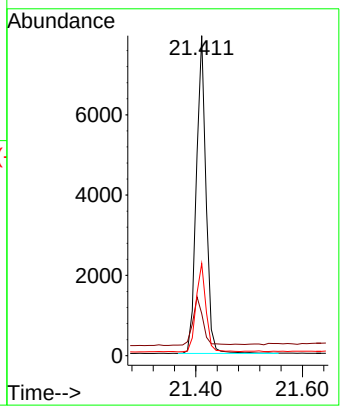


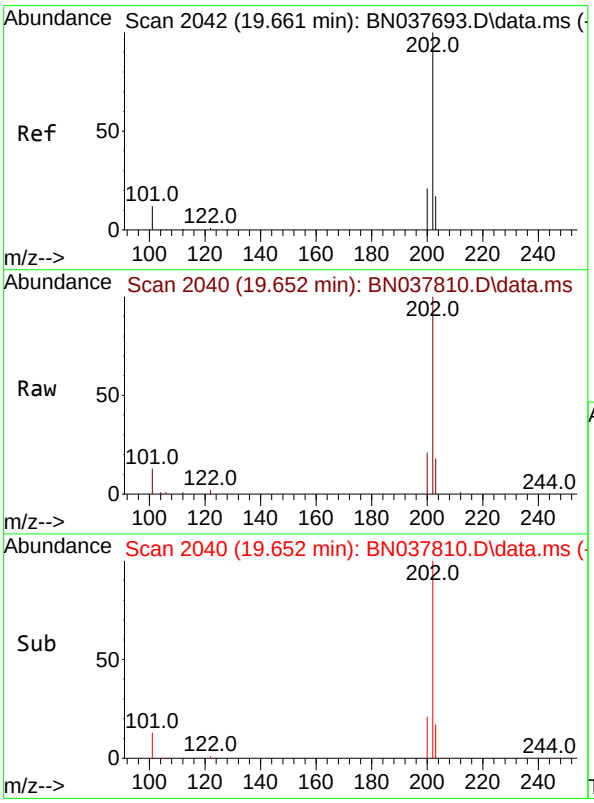
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 10004

Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.2	13.8
236	28.8	22.6	33.8

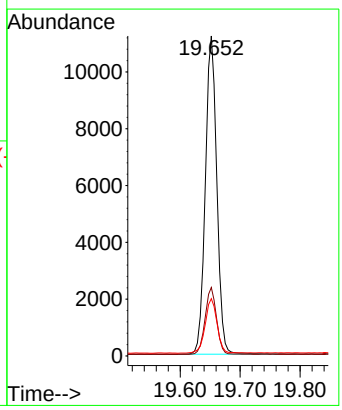


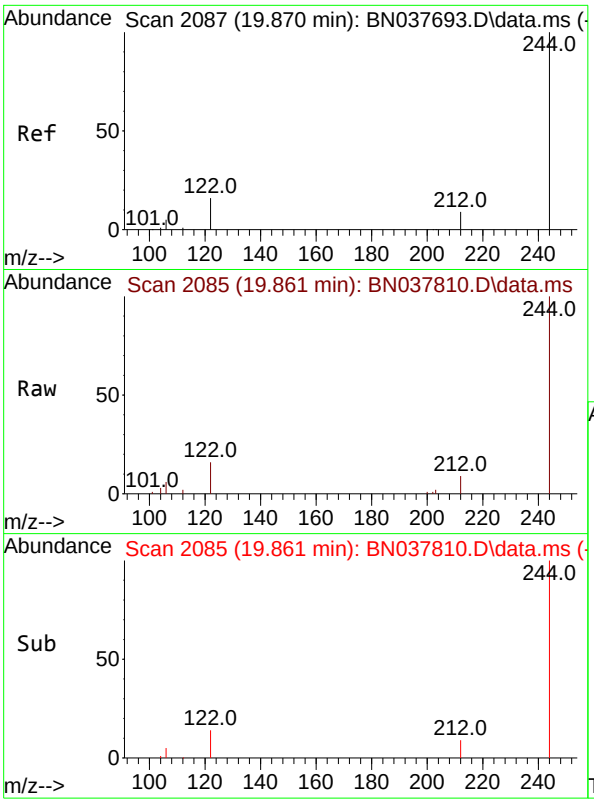


#30
Pyrene
Concen: 0.382 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:202 Resp: 14951

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	14.3	21.5



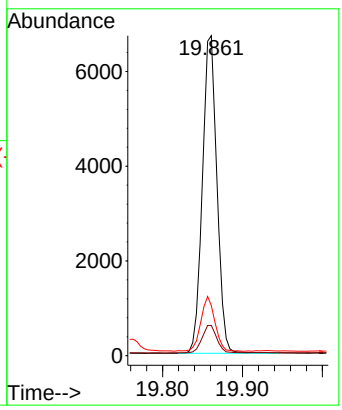


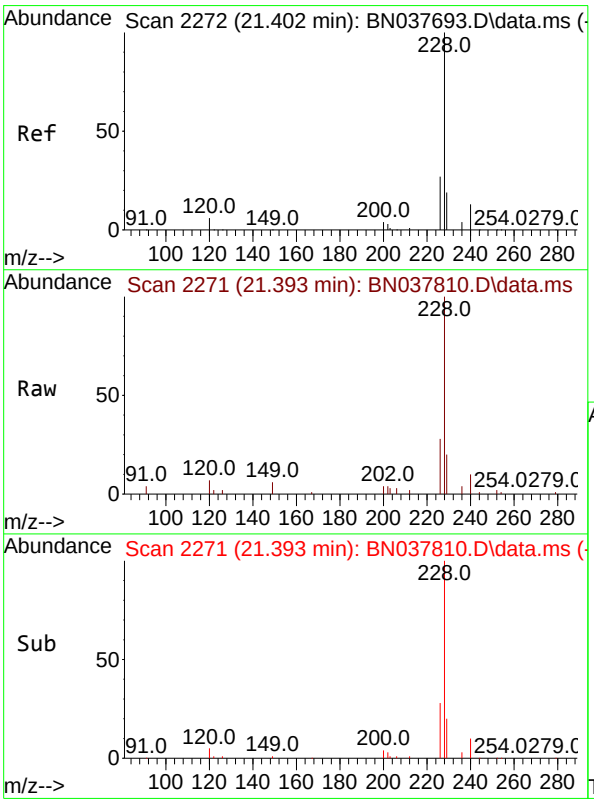
#31
Terphenyl-d14
Concen: 0.416 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 8455

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	15.7	13.2	19.8

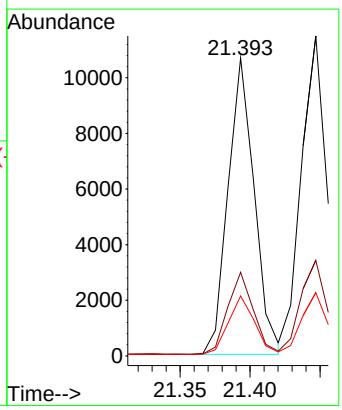


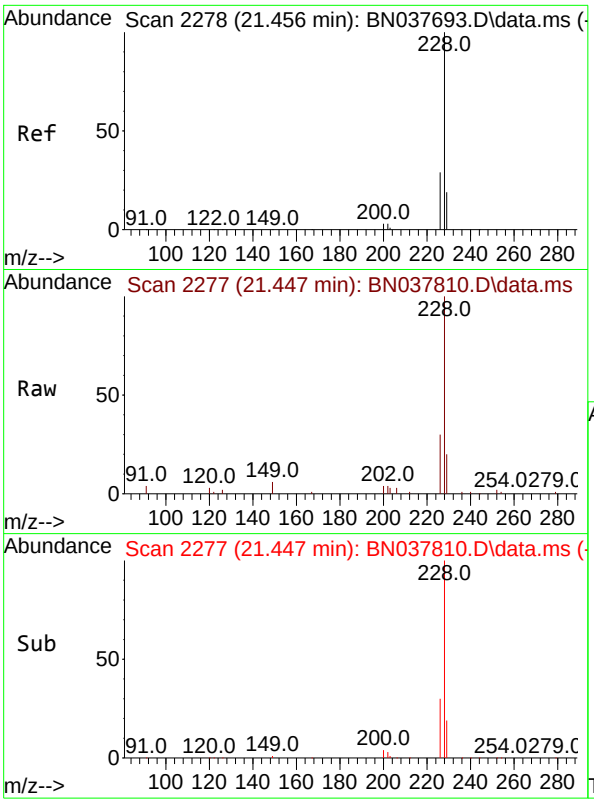


#32
Benzo(a)anthracene
Concen: 0.399 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:228 Resp: 13905

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	20.1	15.8	23.6



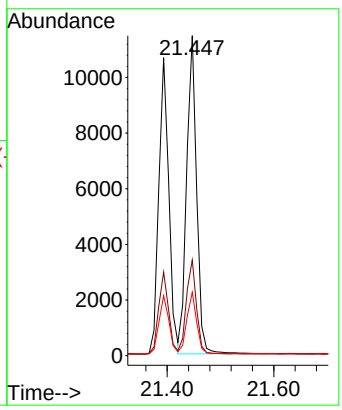


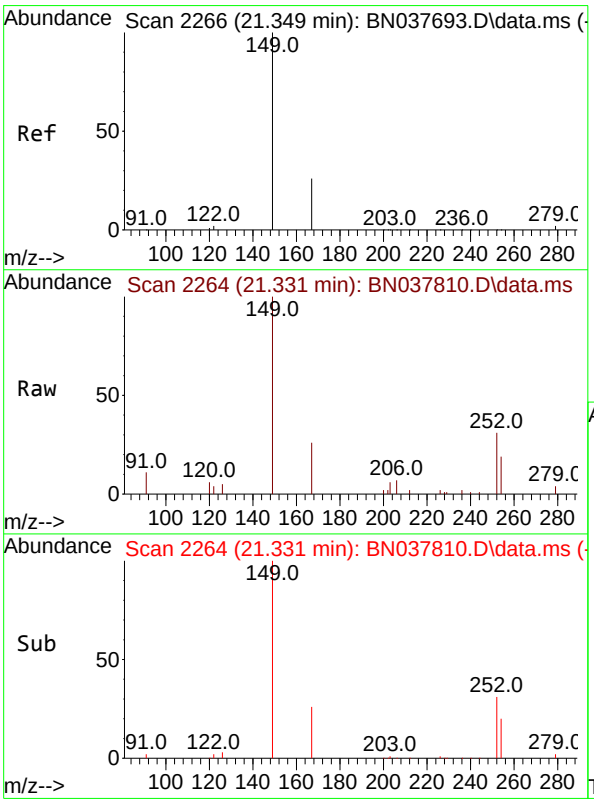
#33
Chrysene
Concen: 0.399 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 14913

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	19.8	15.9	23.9

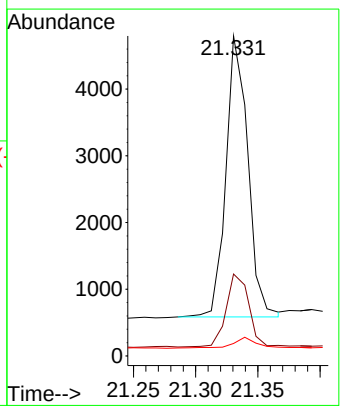


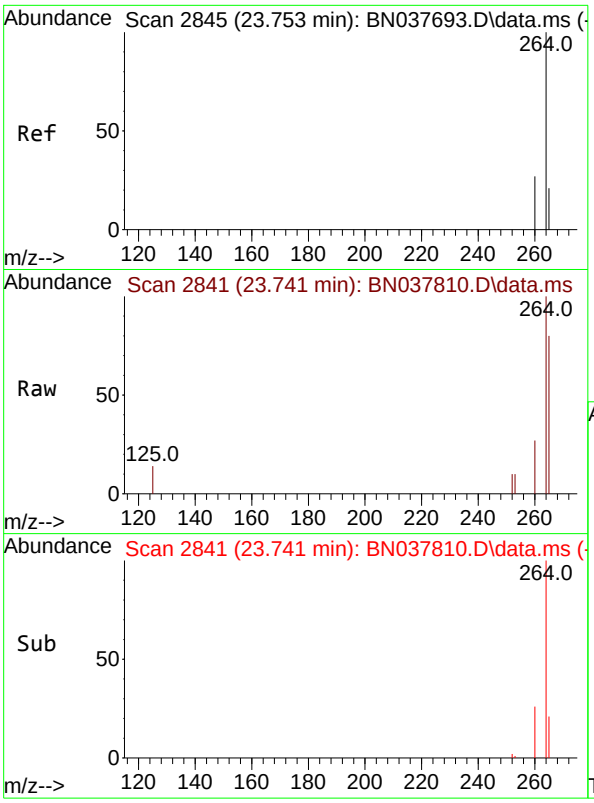


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.499 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:149 Resp: 5161

Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.8	31.2
279	4.0	3.3	4.9



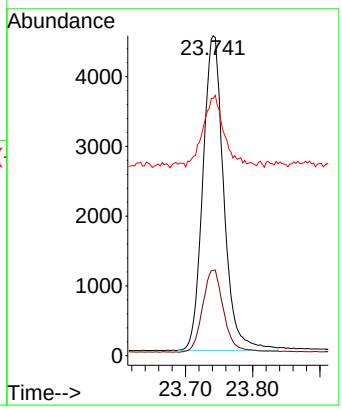


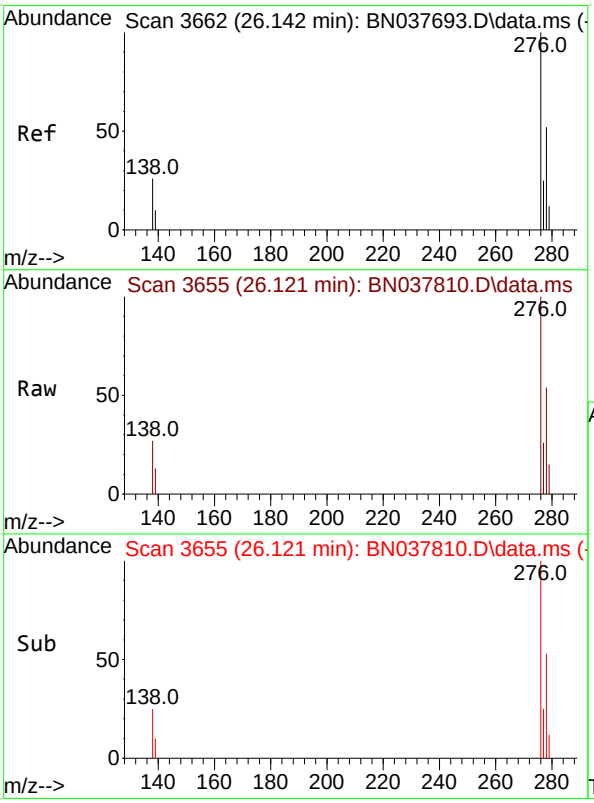
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 9737

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.8	32.8
265	80.4	39.4	59.2#

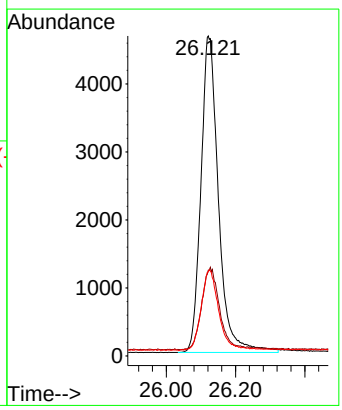


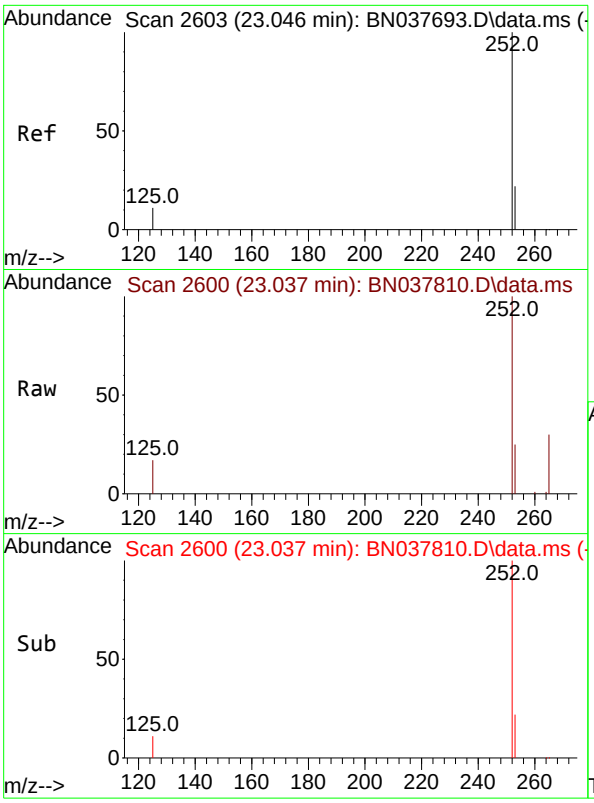


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.401 ng
RT: 26.121 min Scan# 3655
Delta R.T. -0.021 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:276 Resp: 16404

Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.9	32.9
277	24.7	20.1	30.1



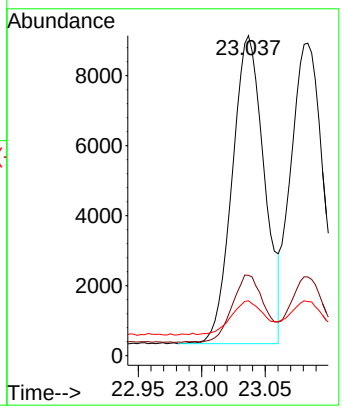


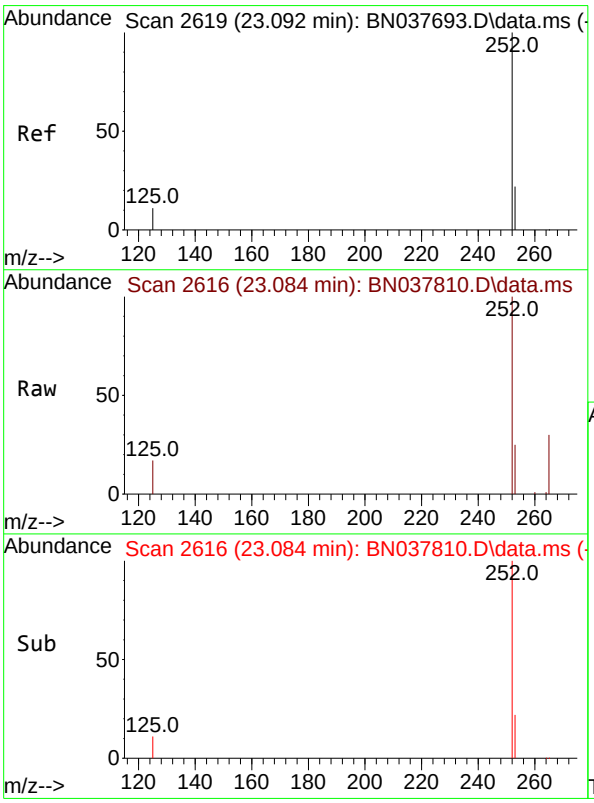
#37
Benzo(b)fluoranthene
Concen: 0.403 ng
RT: 23.037 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 15470

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.4	29.2
125	17.1	11.2	16.8#

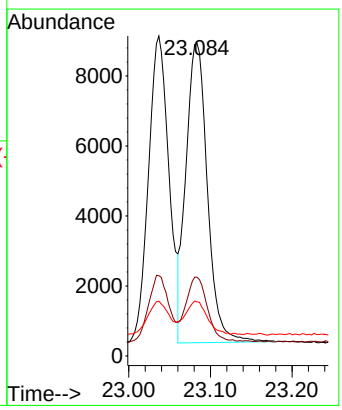


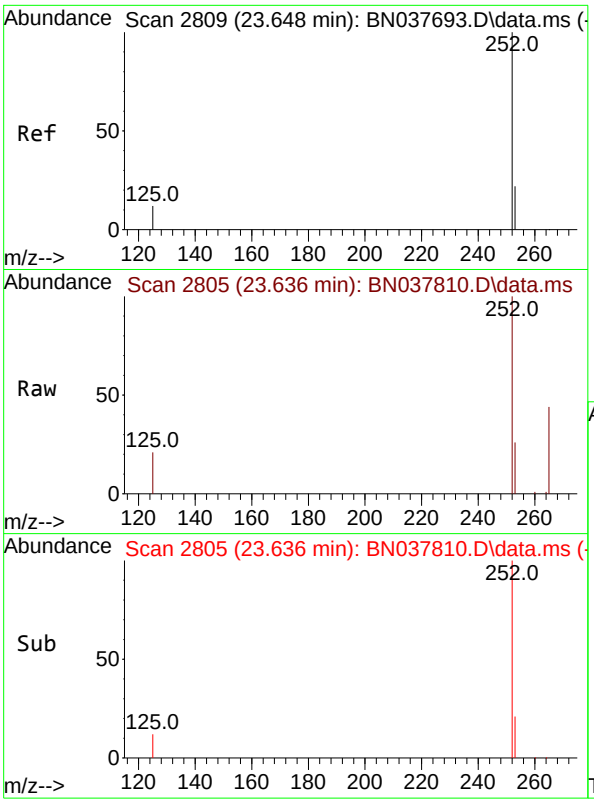


#38
Benzo(k)fluoranthene
Concen: 0.401 ng
RT: 23.084 min Scan# 2616
Delta R.T. -0.009 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:252 Resp: 15665

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.4	29.0
125	17.3	11.6	17.4



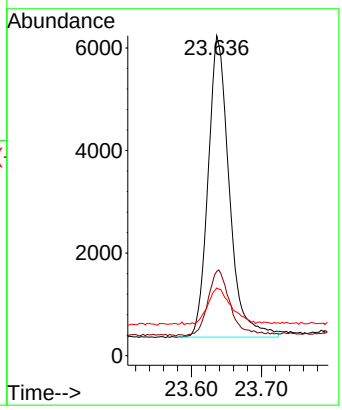


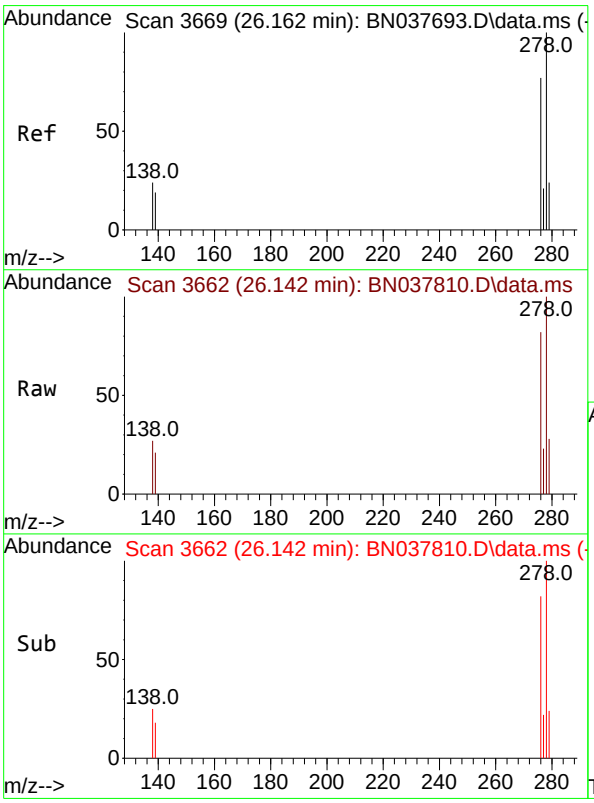
#39
Benzo(a)pyrene
Concen: 0.402 ng
RT: 23.636 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 12334

Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.8	31.2
125	21.2	13.9	20.9#

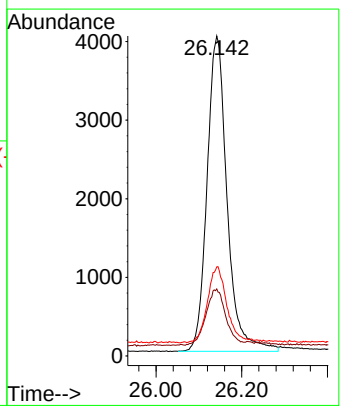


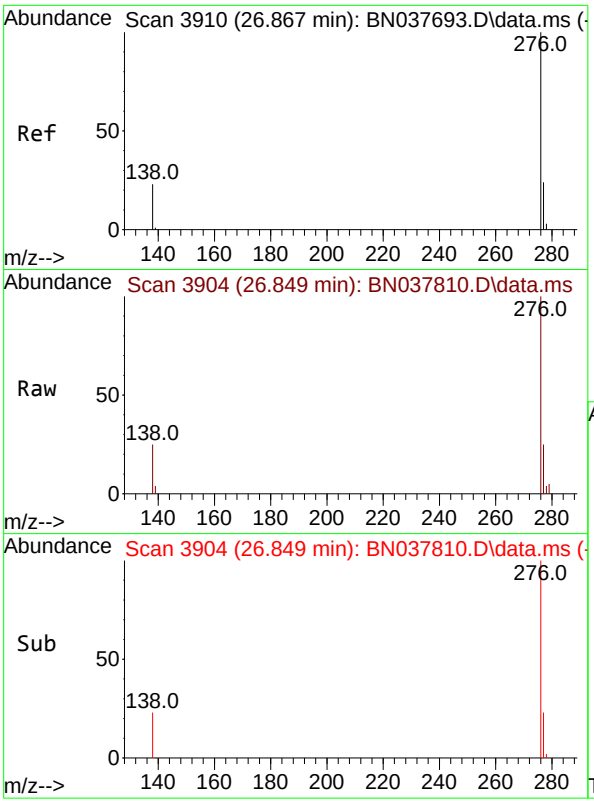


#40
Dibenzo(a,h)anthracene
Concen: 0.398 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.021 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Tgt Ion:278 Resp: 13012

Ion	Ratio	Lower	Upper
278	100		
139	21.0	17.8	26.6
279	27.8	22.0	33.0





#41
Benzo(g,h,i)perylene
Concen: 0.348 ng
RT: 26.849 min Scan# 3
Delta R.T. -0.018 min
Lab File: BN037810.D
Acq: 19 Sep 2025 12:27

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 12751

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.6	31.0
138	25.3	20.2	30.2