Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073025\
Data File : BN037555.D
Acq On : 30 Jul 2025 13:52
Operator : RC/JU
Sample : PB169039BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Quant Time: Jul 30 15:06:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 19 01:46:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	1872	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4499	0.400	ng	#-0.01
13) Acenaphthene-d10	14.345	164	2146	0.400	ng	-0.01
19) Phenanthrene-d10	17.087	188	3846	0.400	ng	#-0.01
29) Chrysene-d12	21.277	240	2873	0.400	ng	0.00
35) Perylene-d12	23.516	264	2422	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	1412	0.305	ng	0.00
5) Phenol-d6	6.887	99	1610	0.277	ng	0.00
8) Nitrobenzene-d5	8.854	82	1197	0.356	ng	-0.01
11) 2-Methylnaphthalene-d10	12.096	152	2195	0.340	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	243	0.230	ng	-0.01
15) 2-Fluorobiphenyl	12.978	172	4443	0.398	ng	0.00
27) Fluoranthene-d10	19.123	212	3150	0.309	ng	0.00
31) Terphenyl-d14	19.726	244	2289	0.371	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	564	0.313	ng	# 63
3) n-Nitrosodimethylamine	3.543	42	845	0.373	ng	83
6) bis(2-Chloroethyl)ether	7.147	93	1598	0.331	ng	97
9) Naphthalene	10.552	128	4093	0.341	ng	98
10) Hexachlorobutadiene	10.851	225	1120	0.422	ng	# 98
12) 2-Methylnaphthalene	12.167	142	2325	0.295	ng	96
16) Acenaphthylene	14.067	152	3643	0.379	ng	99
17) Acenaphthene	14.409	154	2201	0.337	ng	97
18) Fluorene	15.403	166	2802	0.333	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	156	0.390	ng	94
21) 4-Bromophenyl-phenylether	16.292	248	853	0.346	ng	92
22) Hexachlorobenzene	16.404	284	1203	0.378	ng	95
23) Atrazine	16.565	200	524	0.305	ng	93
24) Pentachlorophenol	16.739	266	596	0.417	ng	98
25) Phenanthrene	17.136	178	3996	0.347	ng	99
26) Anthracene	17.223	178	3562	0.339	ng	100
28) Fluoranthene	19.150	202	4008	0.302	ng	98
30) Pyrene	19.517	202	3947	0.341	ng	100
32) Benzo(a)anthracene	21.259	228	3375	0.335	ng	97
33) Chrysene	21.313	228	3867	0.369	ng	99
34) Bis(2-ethylhexyl)phtha...	21.214	149	1424	0.315	ng	98
36) Indeno(1,2,3-cd)pyrene	25.776	276	3608	0.358	ng	95
37) Benzo(b)fluoranthene	22.844	252	3411	0.371	ng	95
38) Benzo(k)fluoranthene	22.891	252	3546	0.374	ng	96
39) Benzo(a)pyrene	23.417	252	2937	0.383	ng	93
40) Dibenzo(a,h)anthracene	25.797	278	2665	0.326	ng	92
41) Benzo(g,h,i)perylene	26.466	276	3077	0.364	ng	98

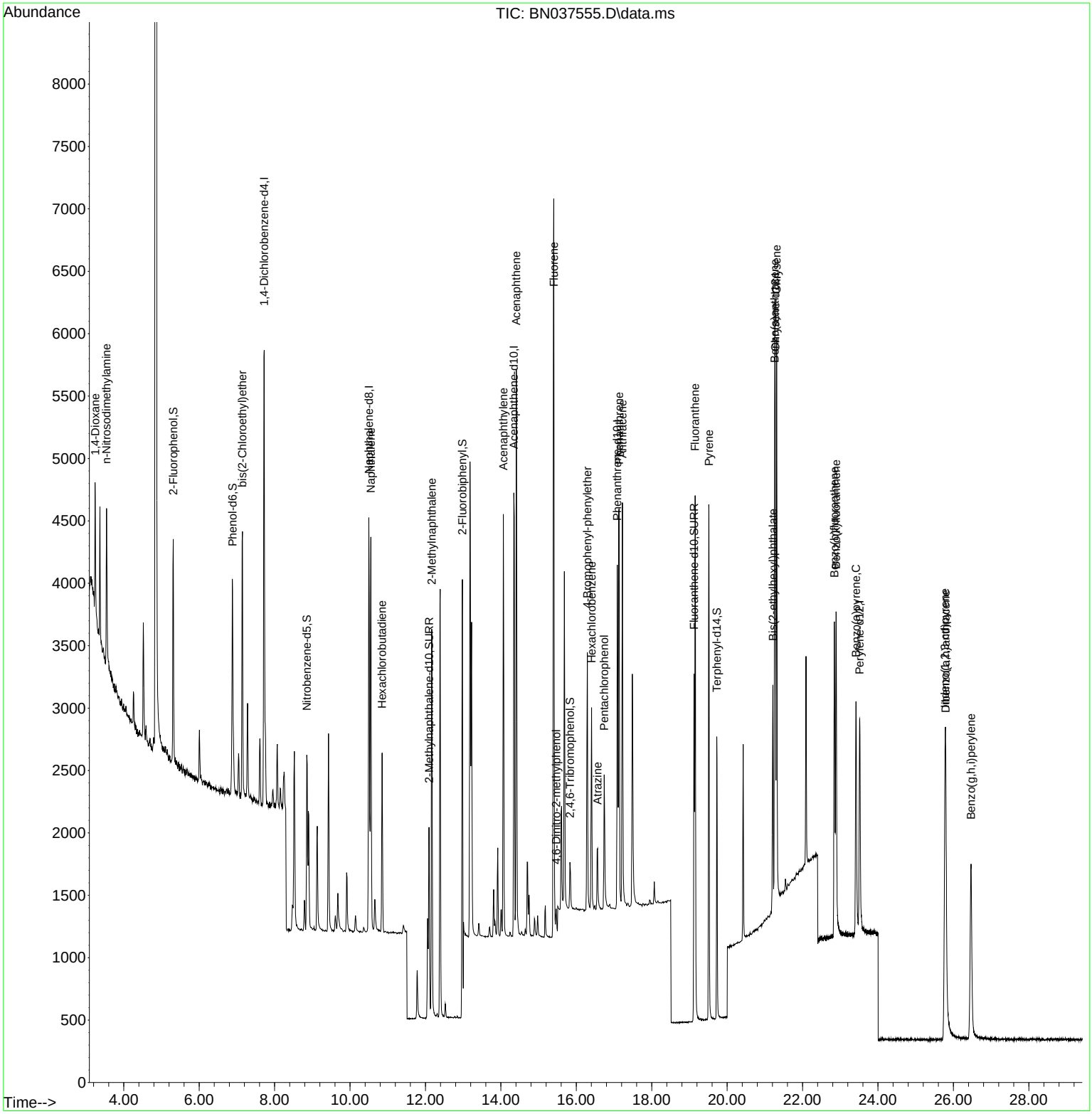
(#) = qualifier out of range (m) = manual integration (+) = signals summed

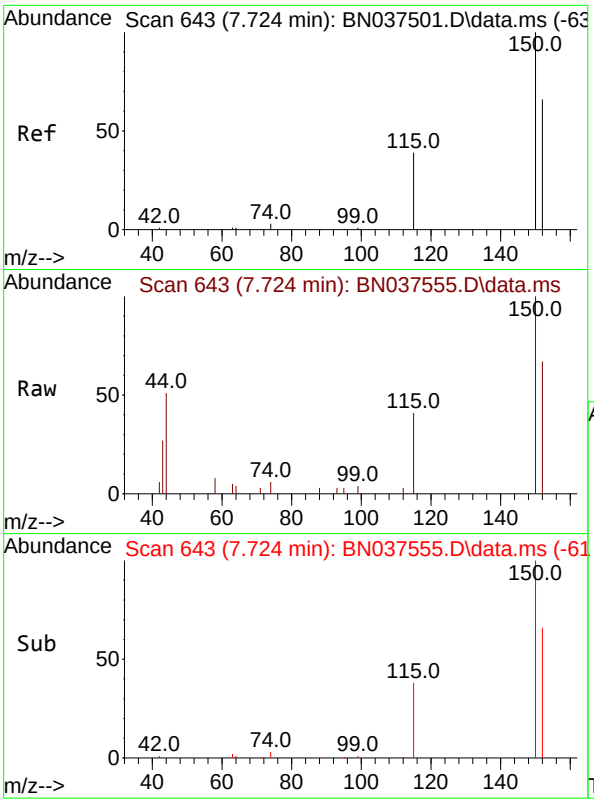
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073025\
Data File : BN037555.D
Acq On : 30 Jul 2025 13:52
Operator : RC/JU
Sample : PB169039BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Quant Time: Jul 30 15:06:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 19 01:46:16 2025
Response via : Initial Calibration



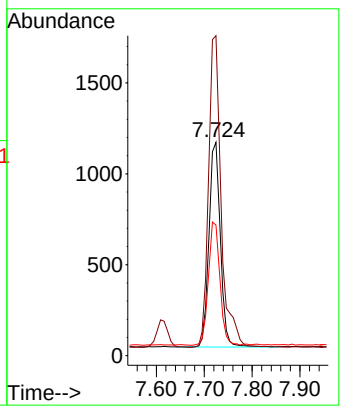


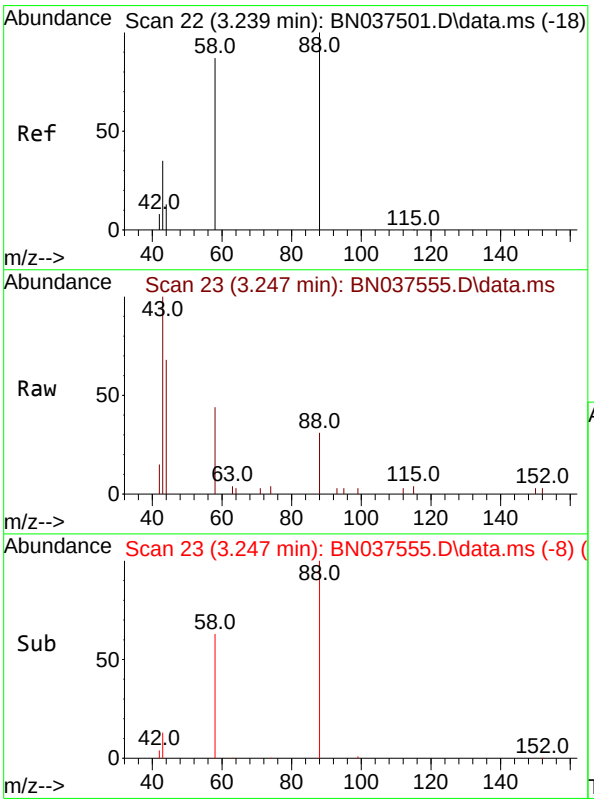
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:152 Resp: 1872

Ion	Ratio	Lower	Upper
152	100		
150	150.0	119.8	179.8
115	61.2	49.1	73.7

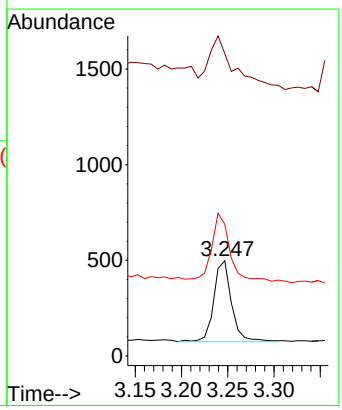


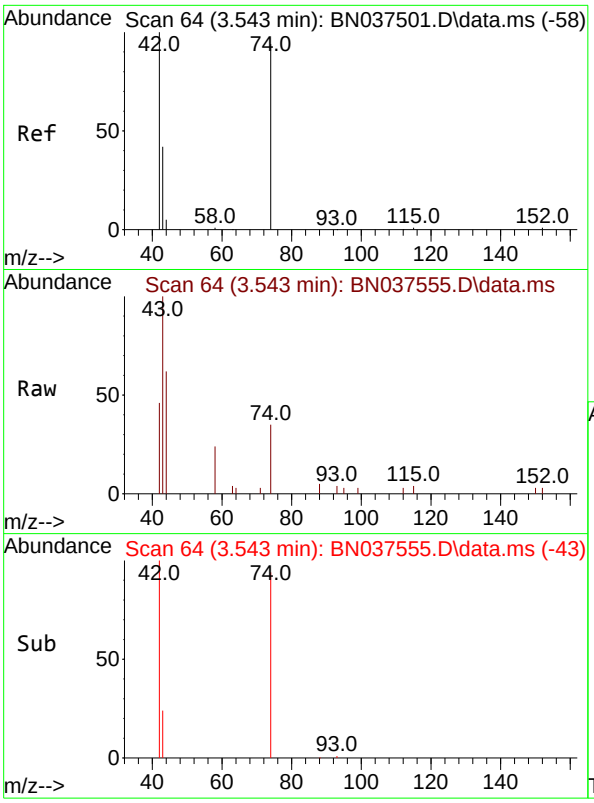


#2
1,4-Dioxane
Concen: 0.313 ng
RT: 3.247 min Scan# 23
Delta R.T. 0.007 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion: 88 Resp: 564

Ion	Ratio	Lower	Upper
88	100		
43	95.4	27.5	41.3#
58	84.8	62.7	94.1



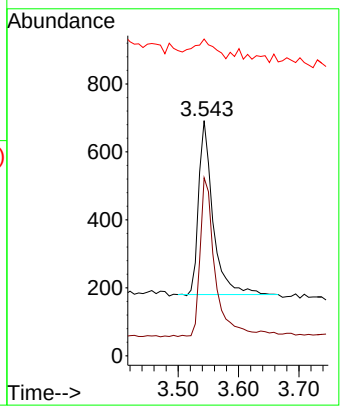


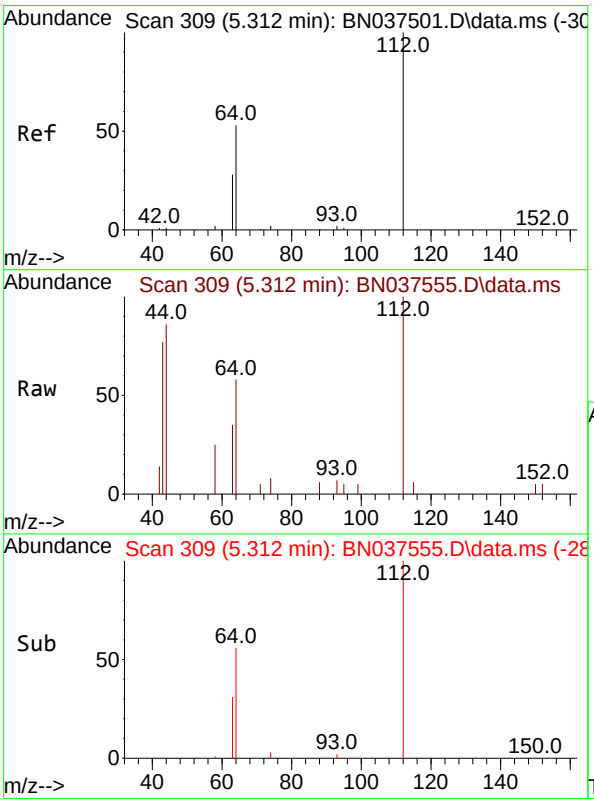
#3
n-Nitrosodimethylamine
Concen: 0.373 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion: 42 Resp: 845

Ion	Ratio	Lower	Upper
42	100		
74	94.0	91.8	137.6
44	16.1	15.0	22.6

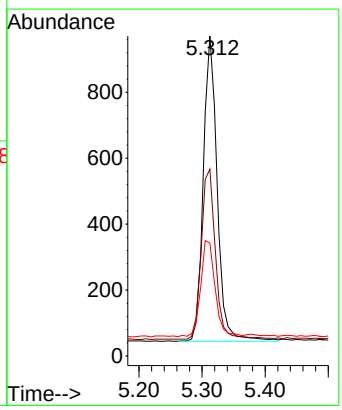


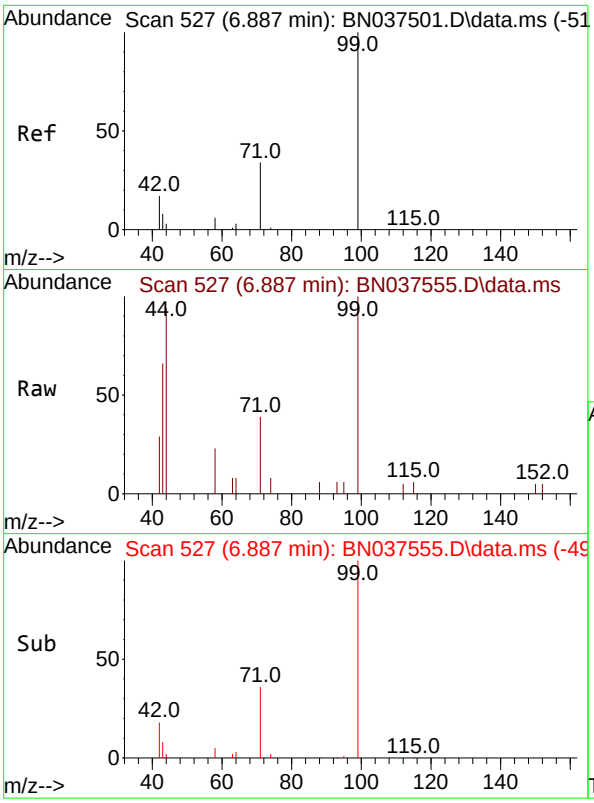


#4
2-Fluorophenol
Concen: 0.305 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:112 Resp: 1412

Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.1	67.7
63	32.6	23.8	35.8



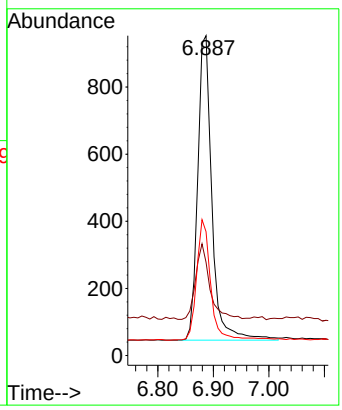


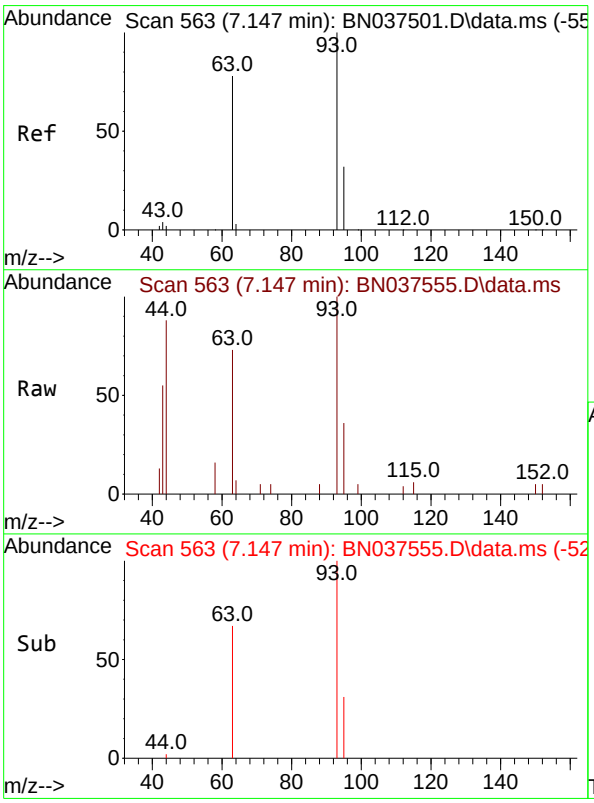
#5
Phenol-d6
Concen: 0.277 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion: 99 Resp: 1610

Ion	Ratio	Lower	Upper
99	100		
42	24.7	17.1	25.7
71	39.7	27.8	41.8

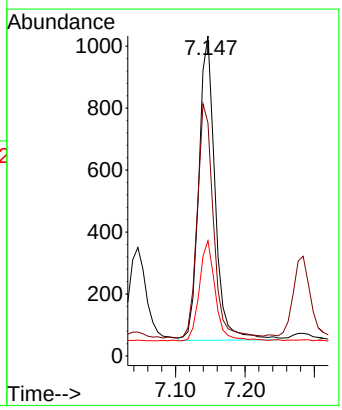


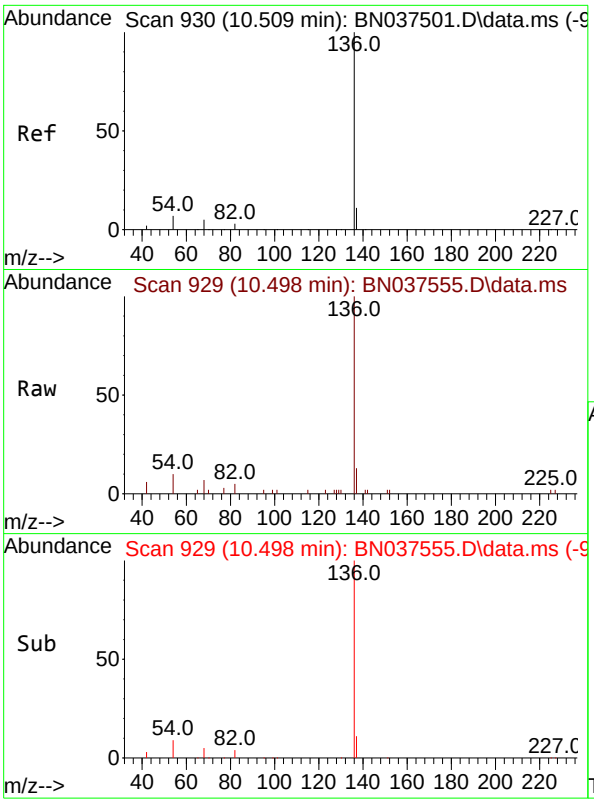


#6
bis(2-Chloroethyl)ether
Concen: 0.331 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion: 93 Resp: 1598

Ion	Ratio	Lower	Upper
93	100		
63	76.6	58.2	87.4
95	32.2	25.3	37.9



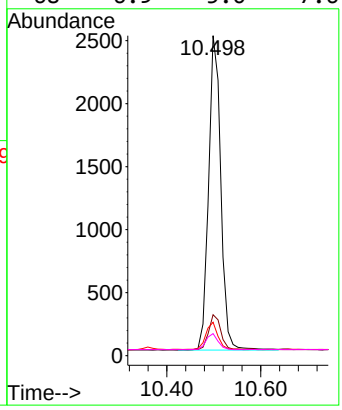


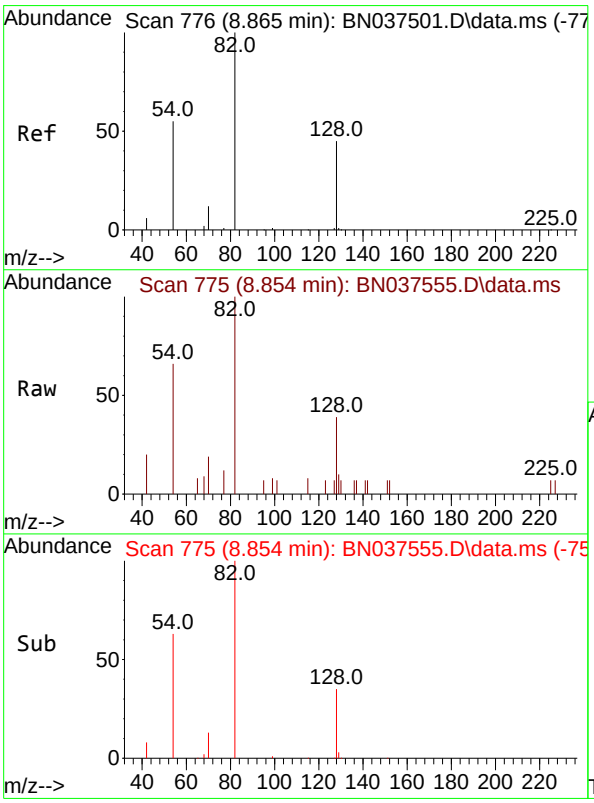
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:136 Resp: 4499

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.8	14.8
54	10.5	6.6	9.8#
68	6.9	5.0	7.6

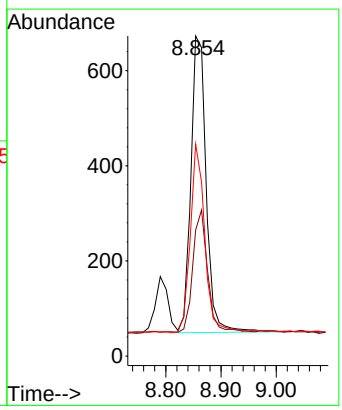


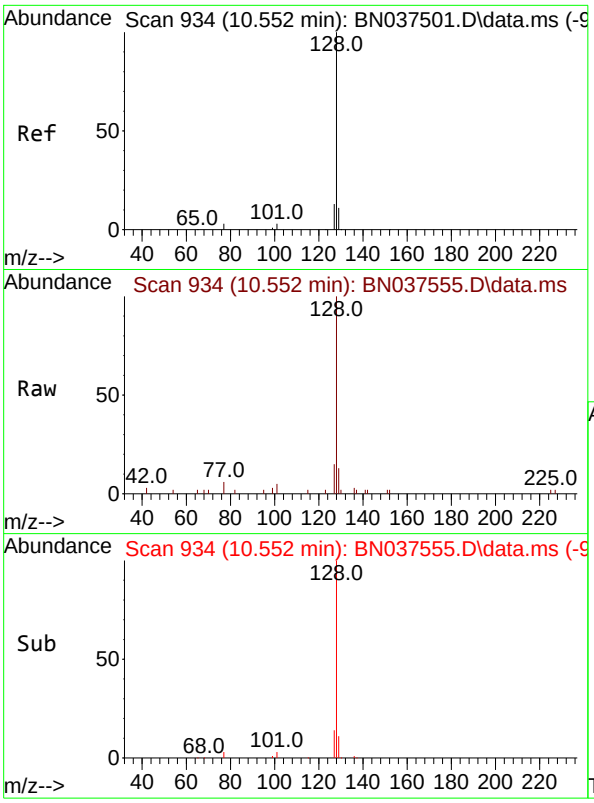


#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.854 min Scan# 775
Delta R.T. -0.011 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion: 82 Resp: 1197

Ion	Ratio	Lower	Upper
82	100		
128	39.4	37.5	56.3
54	66.3	45.3	67.9



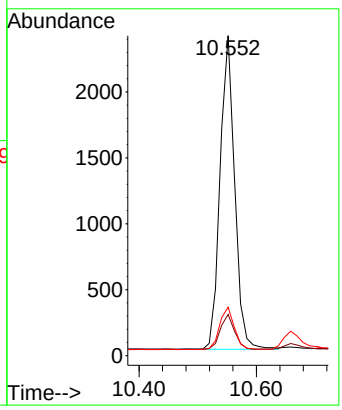


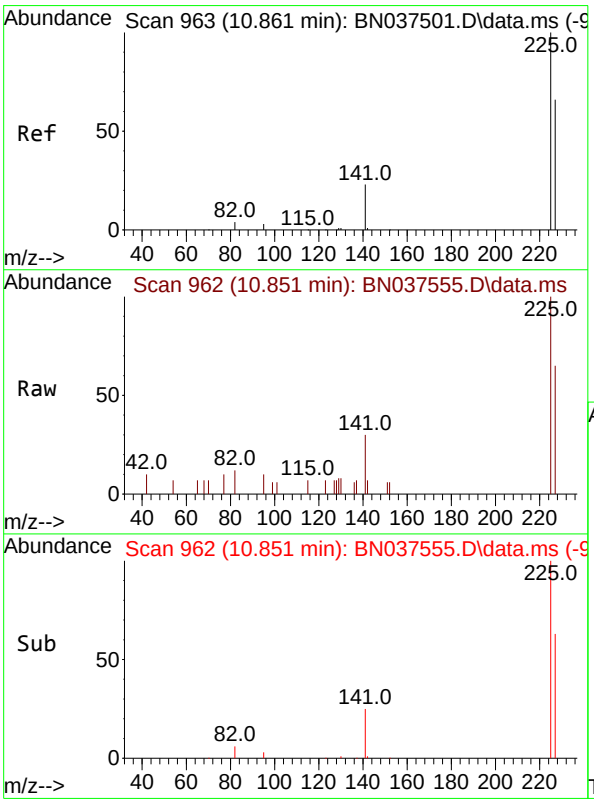
#9
Naphthalene
Concen: 0.341 ng
RT: 10.552 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:128 Resp: 4093

Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.7	14.5
127	15.1	11.5	17.3

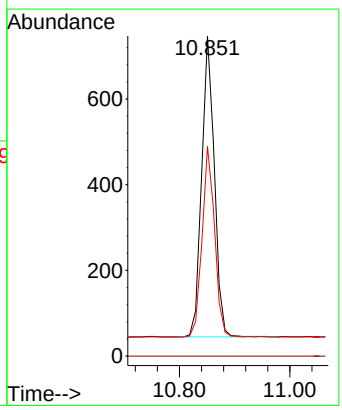


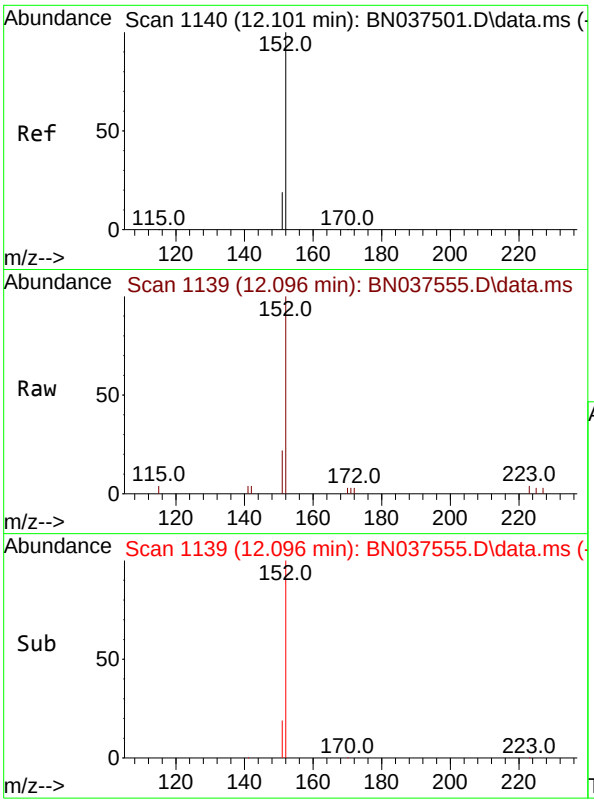


#10
Hexachlorobutadiene
Concen: 0.422 ng
RT: 10.851 min Scan# 962
Delta R.T. -0.011 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:225 Resp: 1120

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.3	51.0	76.4



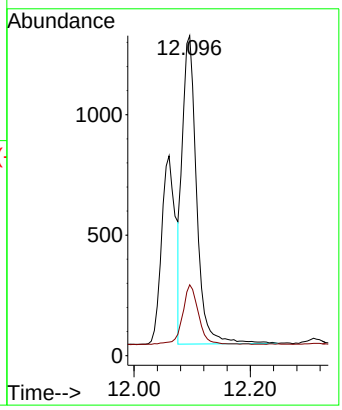


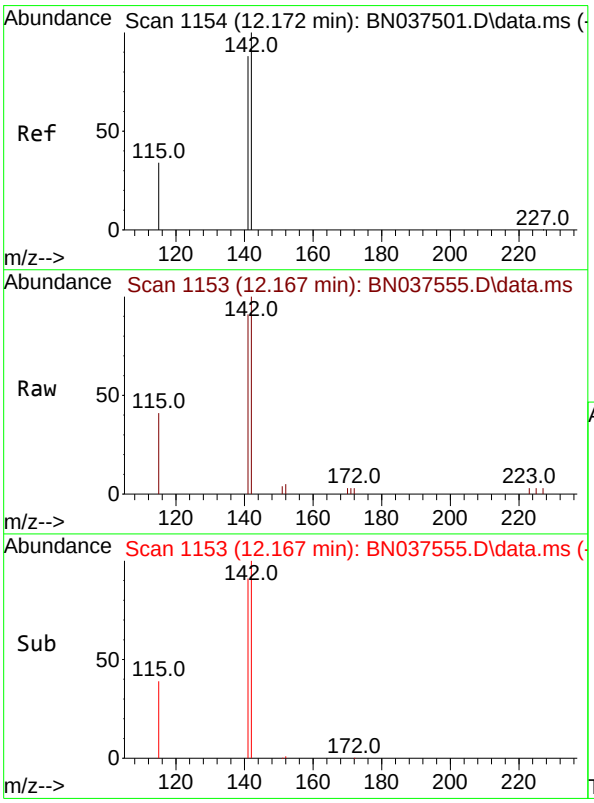
#11
2-Methylnaphthalene-d10
Concen: 0.340 ng
RT: 12.096 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:152 Resp: 2195

Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.8	25.2

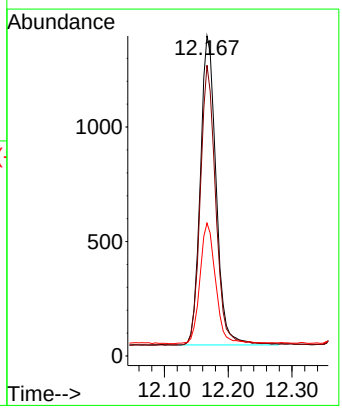


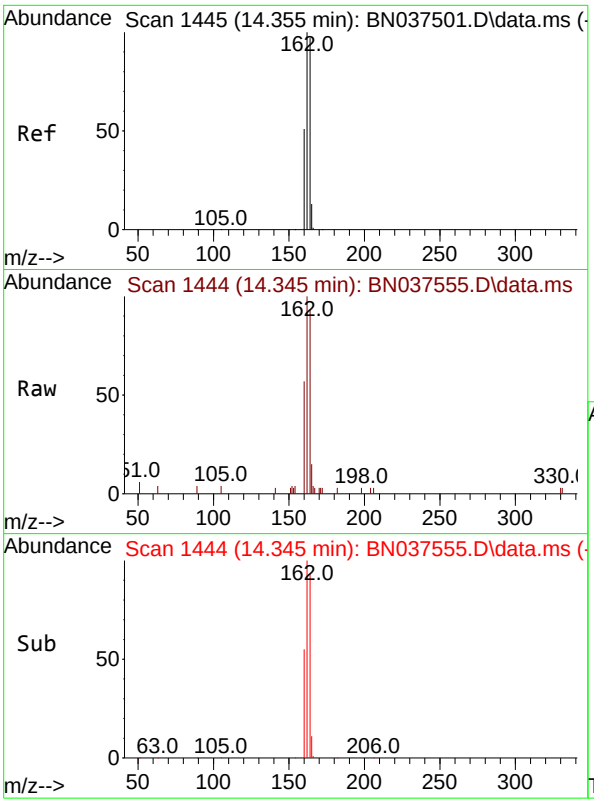


#12
2-Methylnaphthalene
Concen: 0.295 ng
RT: 12.167 min Scan# 1153
Delta R.T. -0.005 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:142 Resp: 2325

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.0	106.4
115	41.5	29.0	43.4



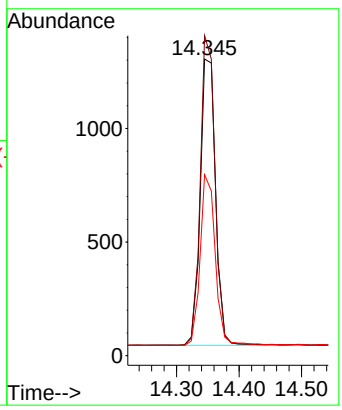


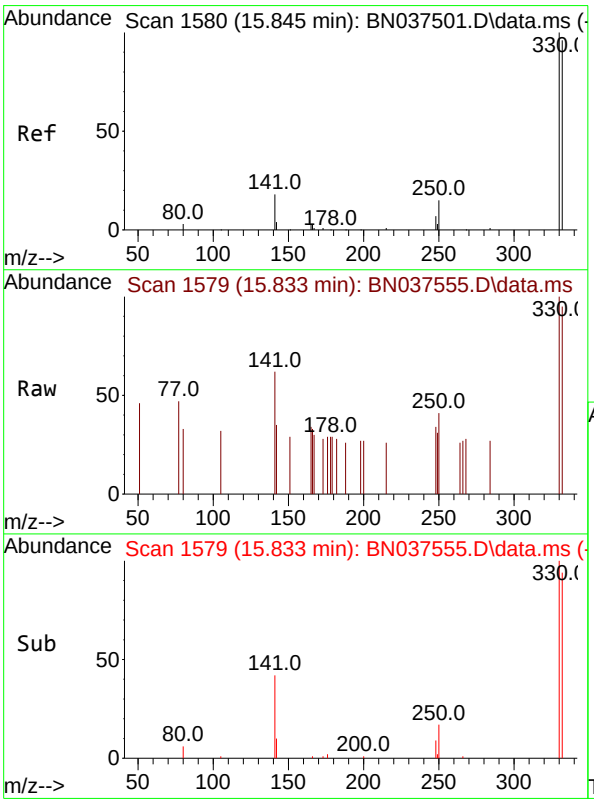
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:164 Resp: 2146

Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.0	123.0
160	61.0	42.4	63.6

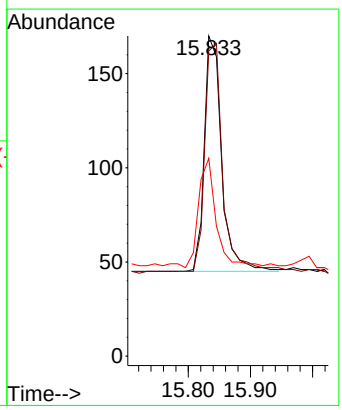


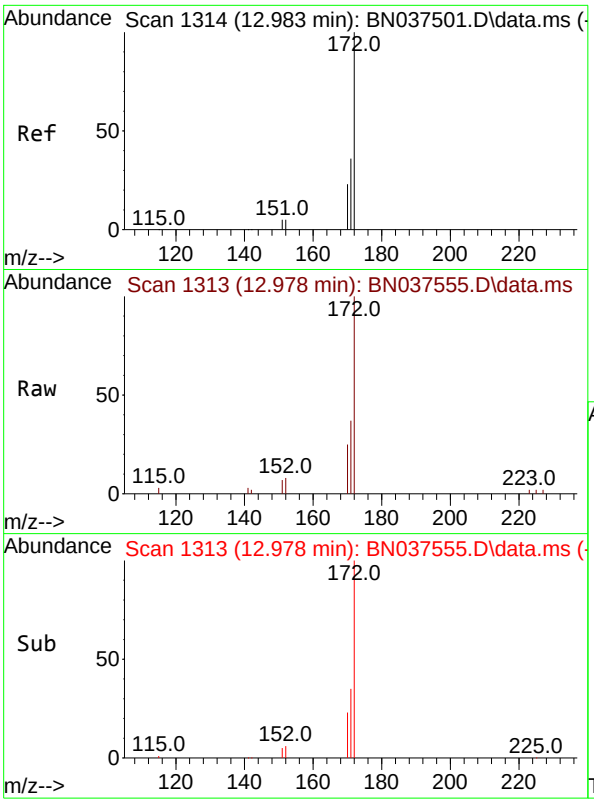


#14
2,4,6-Tribromophenol
Concen: 0.230 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:330 Resp: 243

Ion	Ratio	Lower	Upper
330	100		
332	100.4	76.1	114.1
141	44.9	33.4	50.0



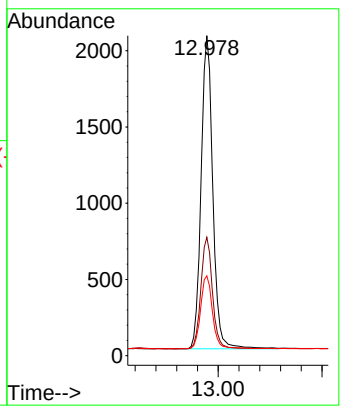


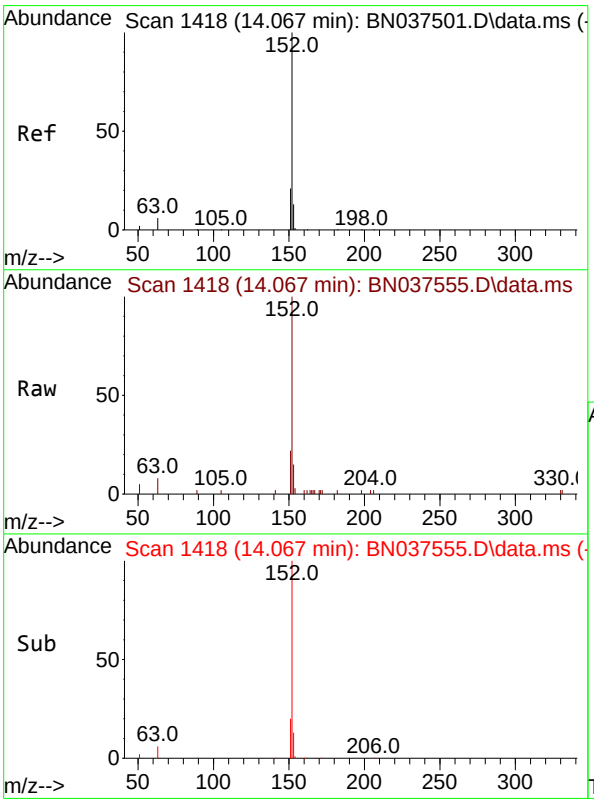
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.978 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:172 Resp: 4443

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.2
170	25.0	19.4	29.0

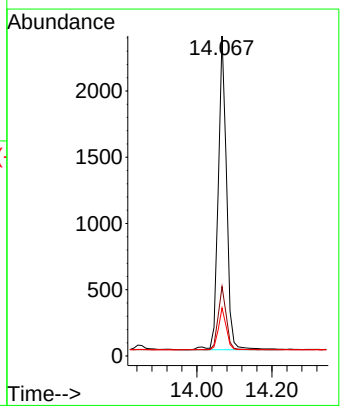


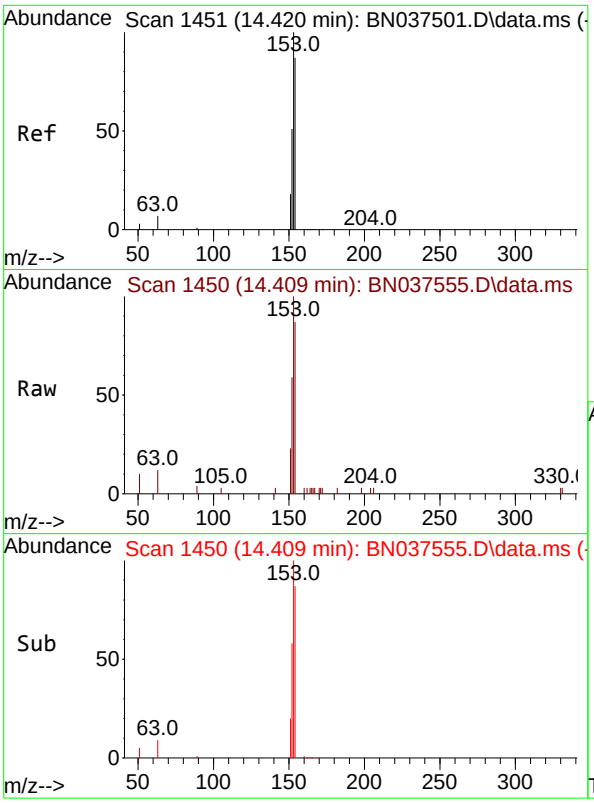


#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:152 Resp: 3643

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.7	10.7	16.1



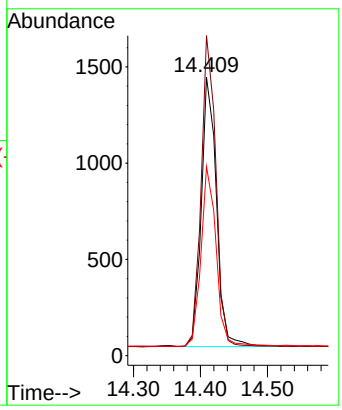


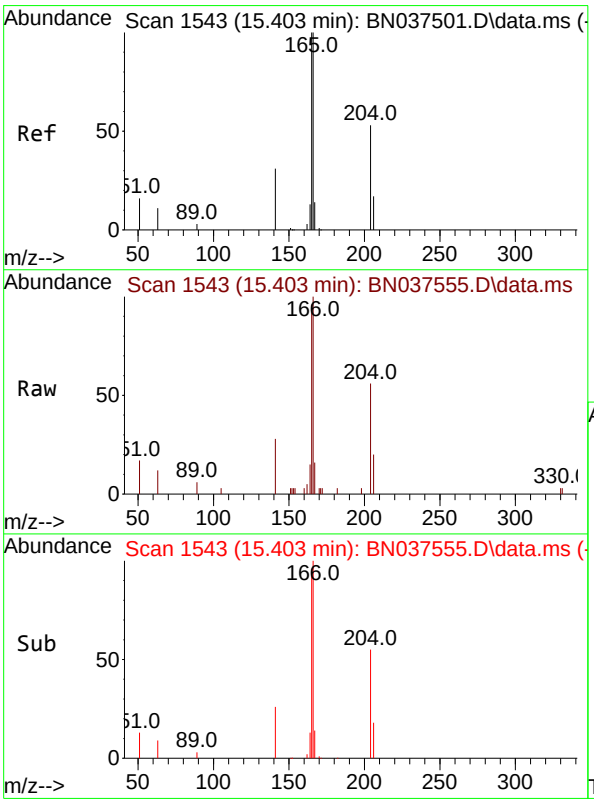
#17
Acenaphthene
Concen: 0.337 ng
RT: 14.409 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:154 Resp: 2201

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.2	133.8
152	66.5	48.0	72.0

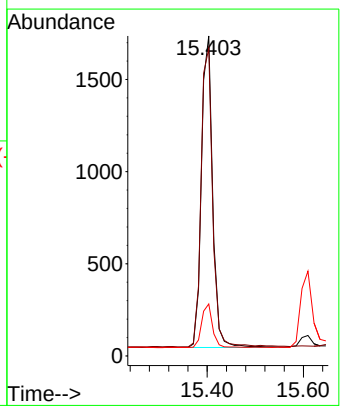


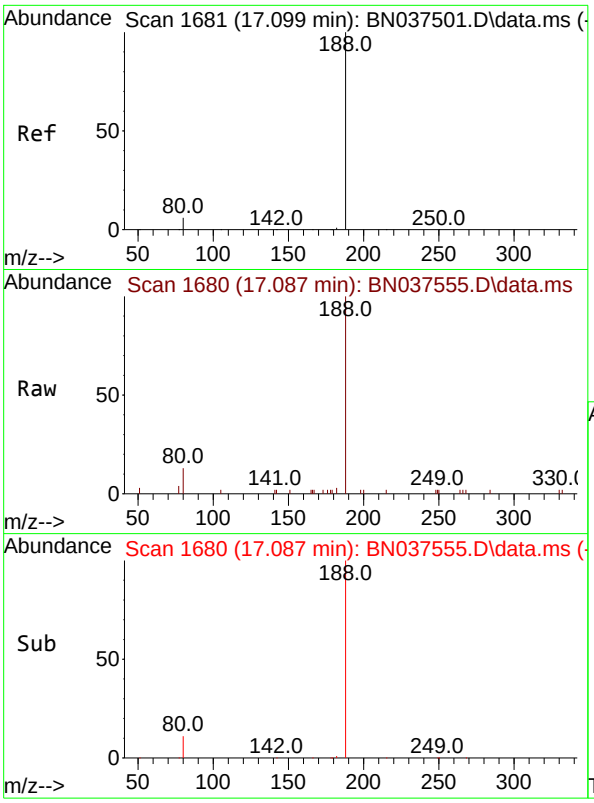


#18
Fluorene
Concen: 0.333 ng
RT: 15.403 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:166 Resp: 2802

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.1	117.1
167	13.2	11.0	16.6



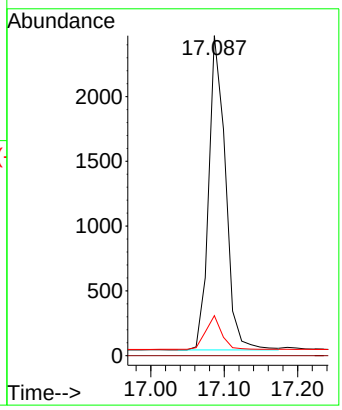


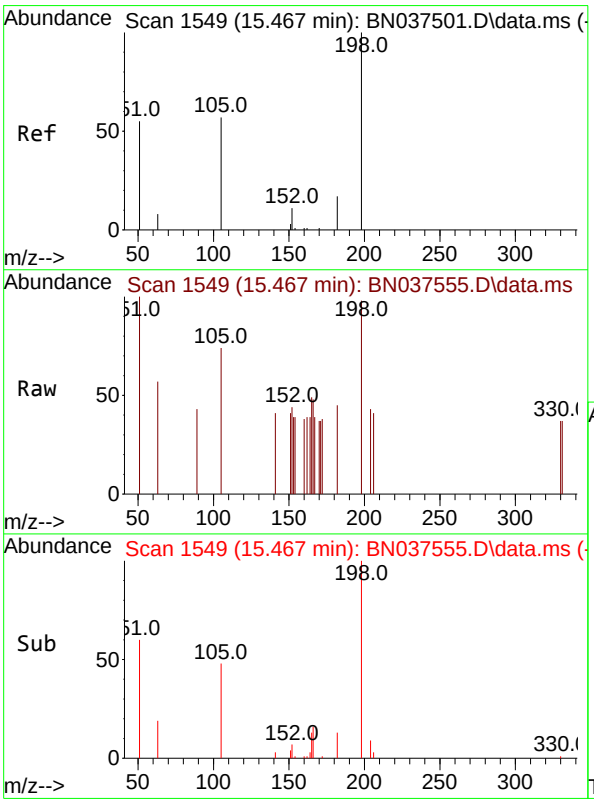
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:188 Resp: 3846

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	6.0	9.0#

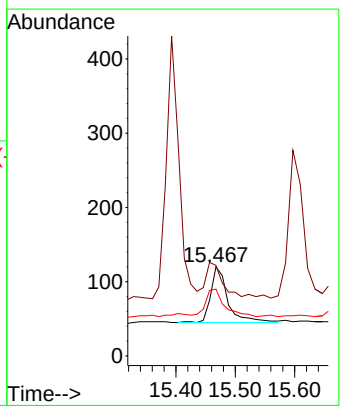


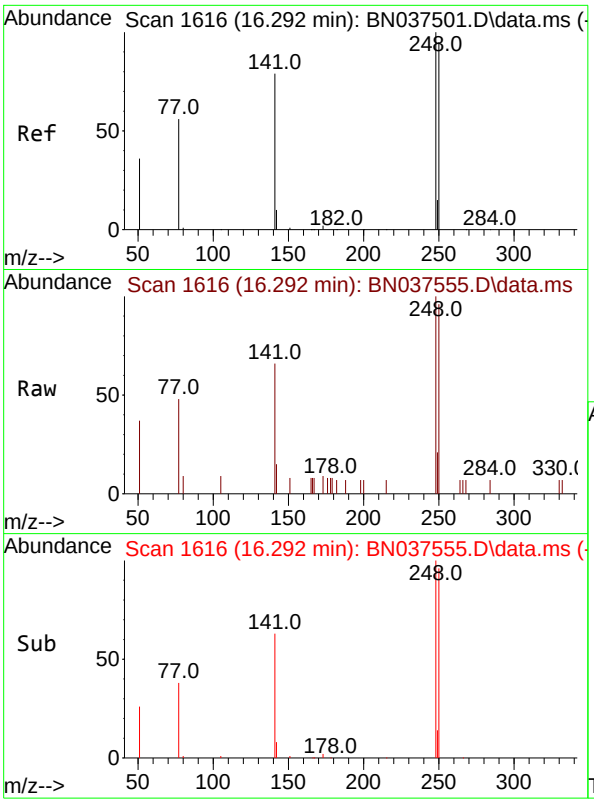


#20
4,6-Dinitro-2-methylphenol
Concen: 0.390 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:198 Resp: 156

Ion	Ratio	Lower	Upper
198	100		
51	101.7	88.5	132.7
105	75.0	61.2	91.8



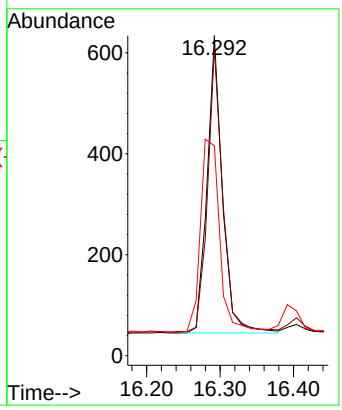


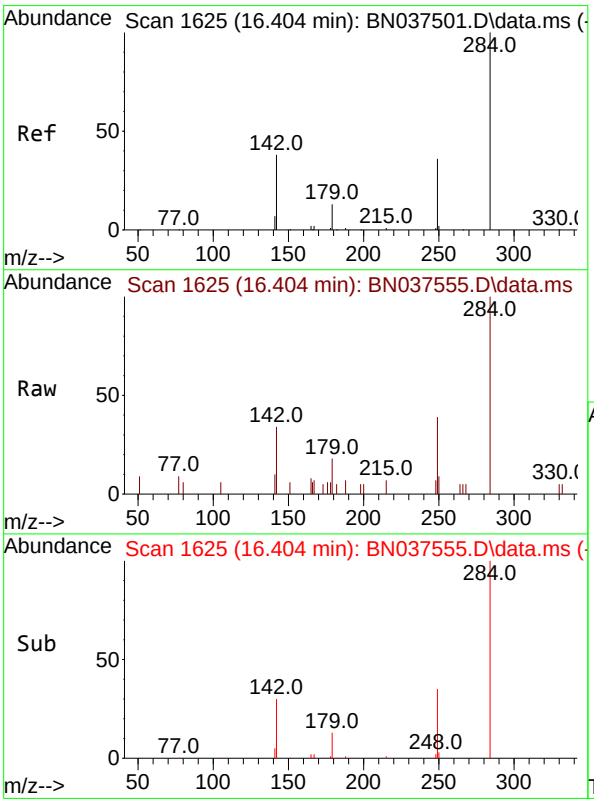
#21
4-Bromophenyl-phenylether
Concen: 0.346 ng
RT: 16.292 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:248 Resp: 853

Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.2	114.2
141	65.6	63.9	95.9

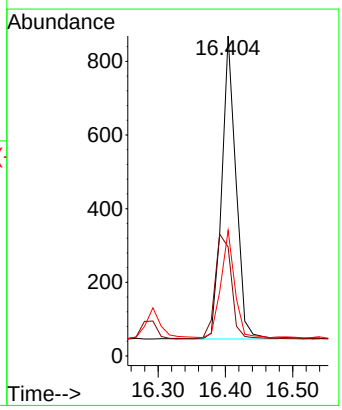


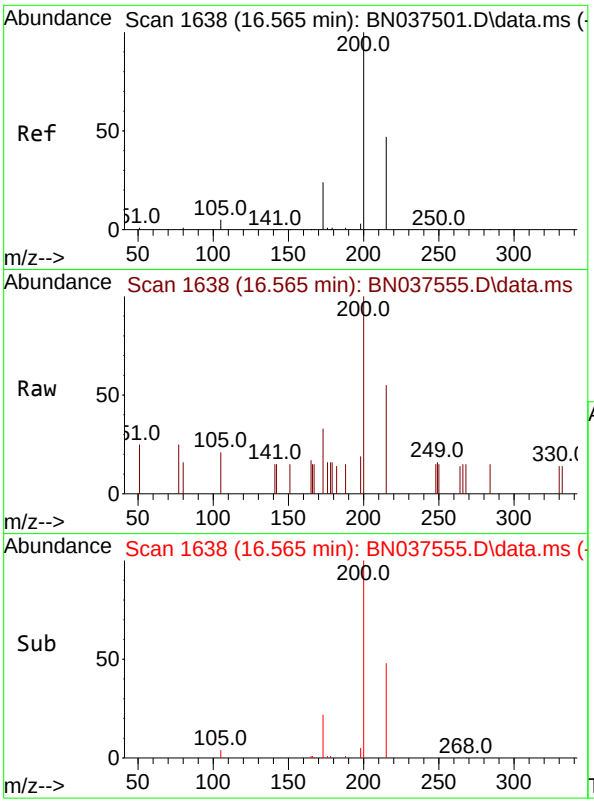


#22
Hexachlorobenzene
Concen: 0.378 ng
RT: 16.404 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:284 Resp: 1203

Ion	Ratio	Lower	Upper
284	100		
142	40.0	28.9	43.3
249	34.2	25.8	38.6



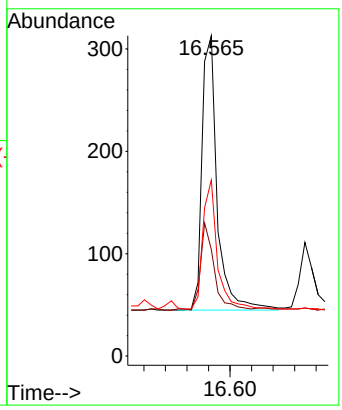


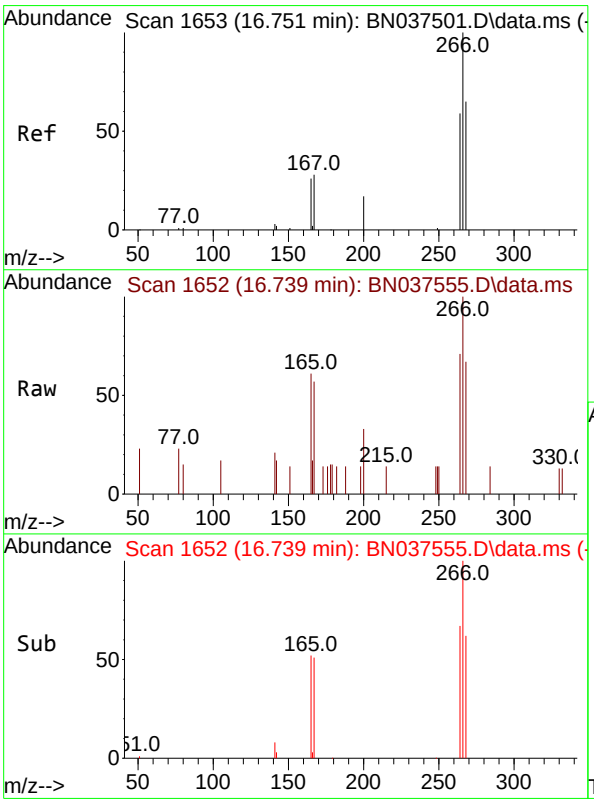
#23
Atrazine
Concen: 0.305 ng
RT: 16.565 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:200 Resp: 524

Ion	Ratio	Lower	Upper
200	100		
173	33.2	23.2	34.8
215	55.0	40.2	60.4

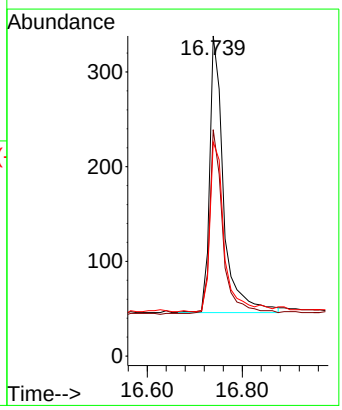


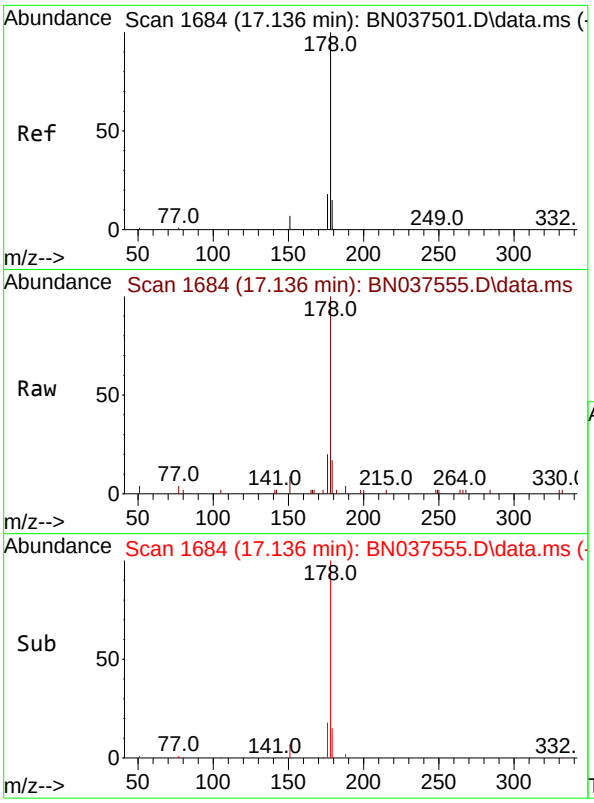


#24
Pentachlorophenol
Concen: 0.417 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:266 Resp: 596

Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.3	73.9
268	62.9	51.6	77.4



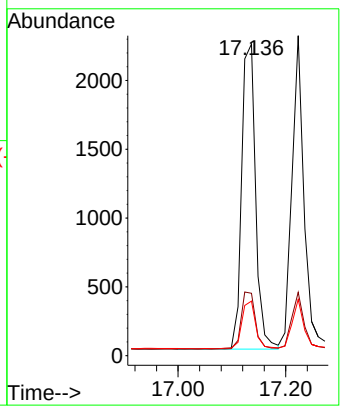


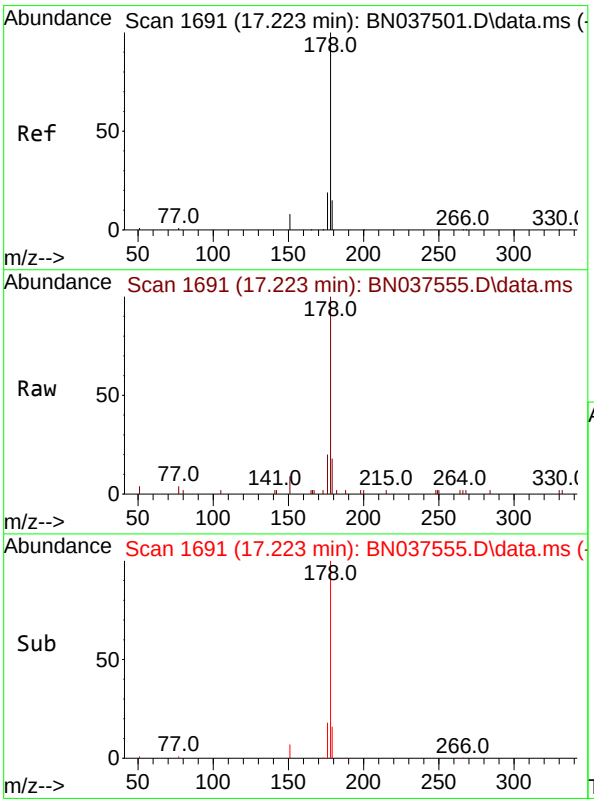
#25
Phenanthrene
Concen: 0.347 ng
RT: 17.136 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:178 Resp: 3996

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.6	12.2	18.2

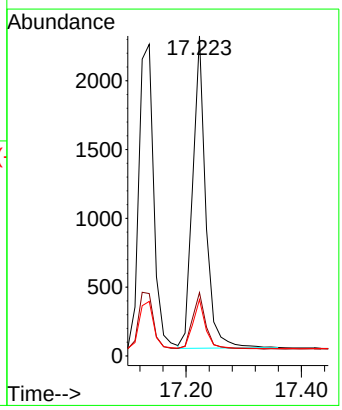


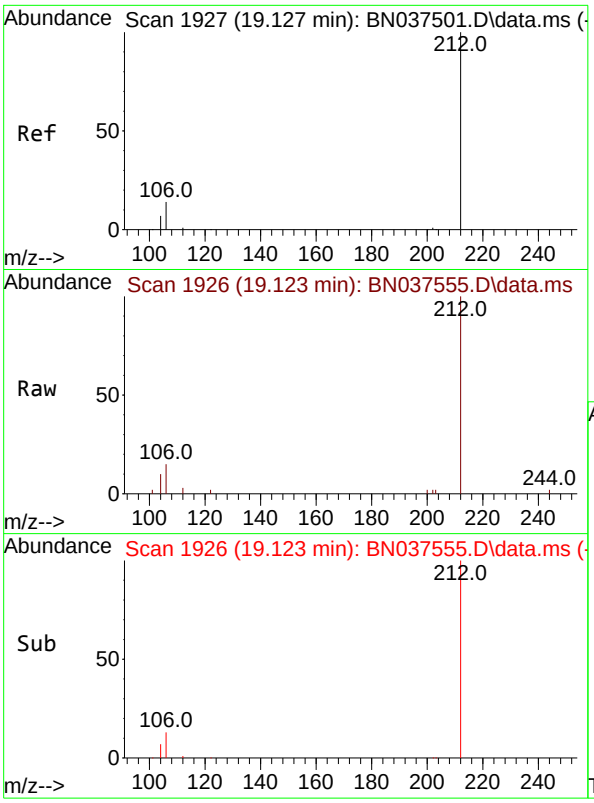


#26
Anthracene
Concen: 0.339 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:178 Resp: 3562

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.1	12.3	18.5





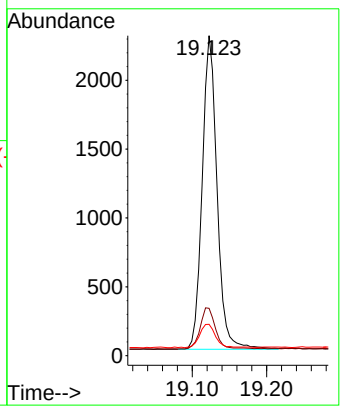
#27
Fluoranthene-d10
Concen: 0.309 ng
RT: 19.123 min Scan# 1

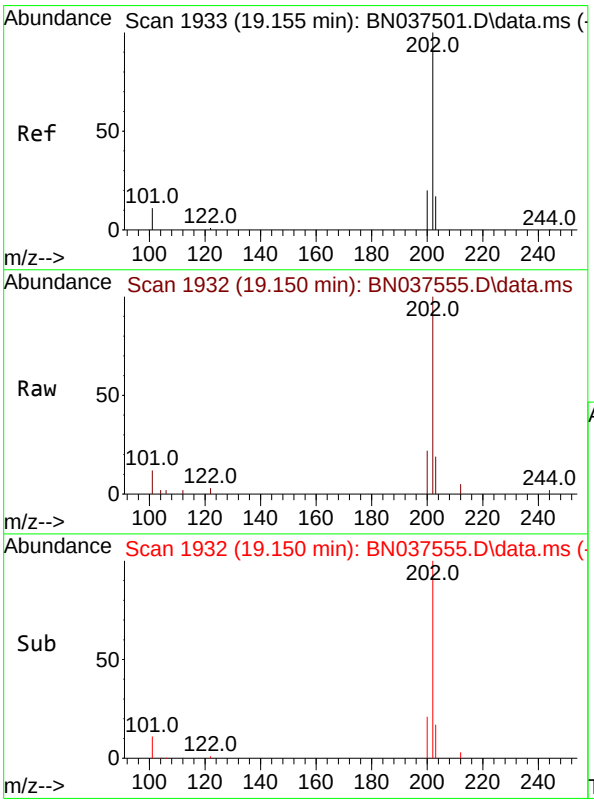
Instrument :
BNA_N
ClientSampleId :
PB169039BS

Delta R.T. -0.005 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:212 Resp: 3150

Ion	Ratio	Lower	Upper
212	100		
106	13.5	12.2	18.4
104	7.9	6.7	10.1

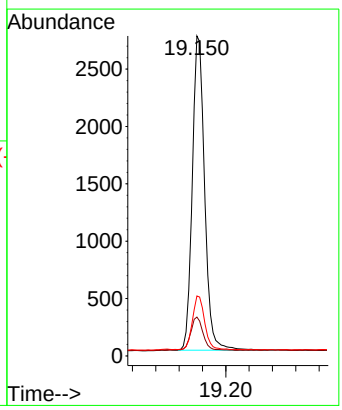


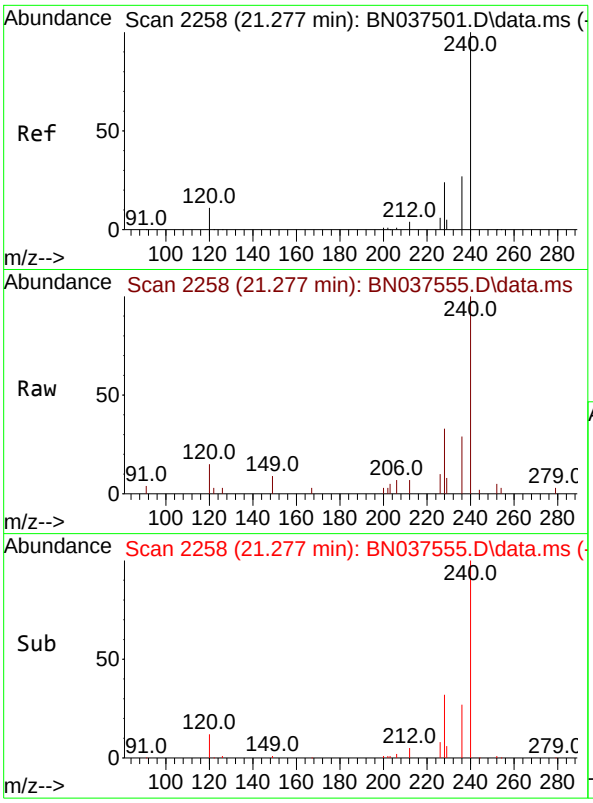


#28
Fluoranthene
Concen: 0.302 ng
RT: 19.150 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:202 Resp: 4008

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.8	14.6
203	17.1	13.6	20.4



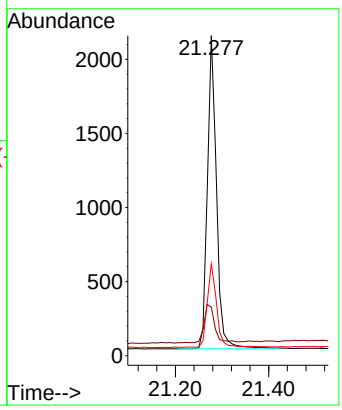


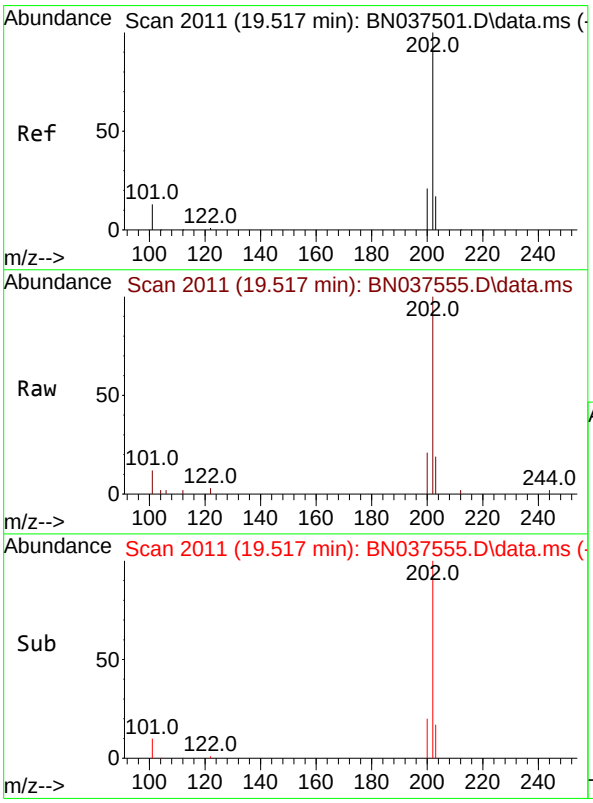
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:240 Resp: 2873

Ion	Ratio	Lower	Upper
240	100		
120	15.1	10.7	16.1
236	28.7	22.6	33.8

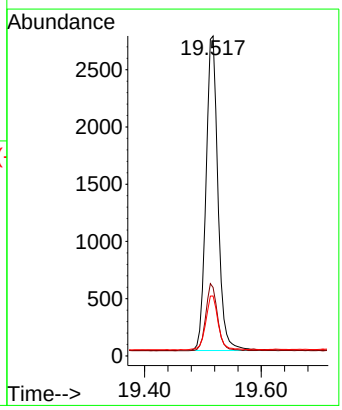


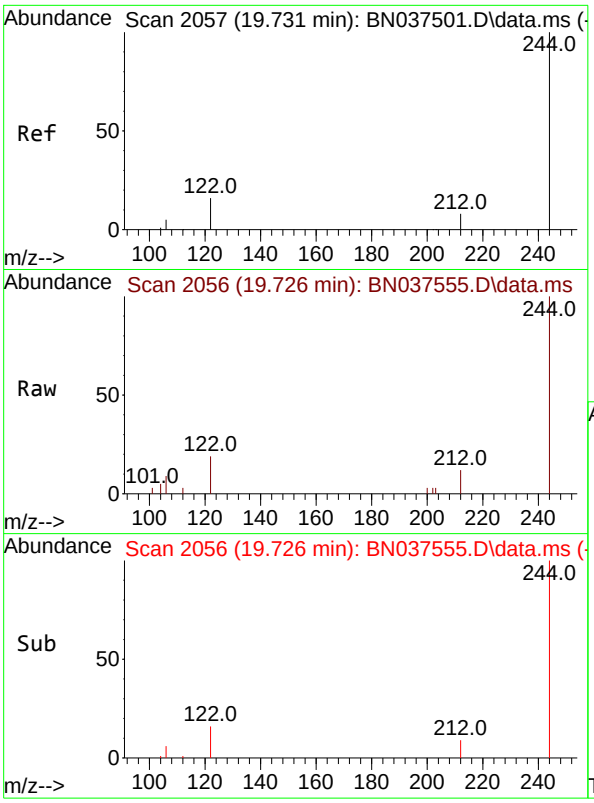


#30
Pyrene
Concen: 0.341 ng
RT: 19.517 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:202 Resp: 3947

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.7	14.3	21.5



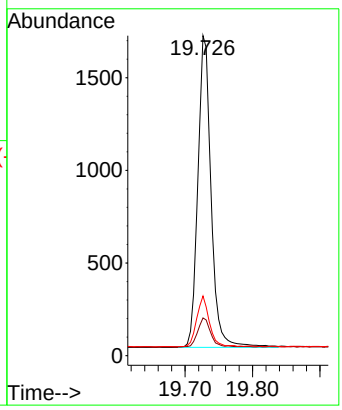


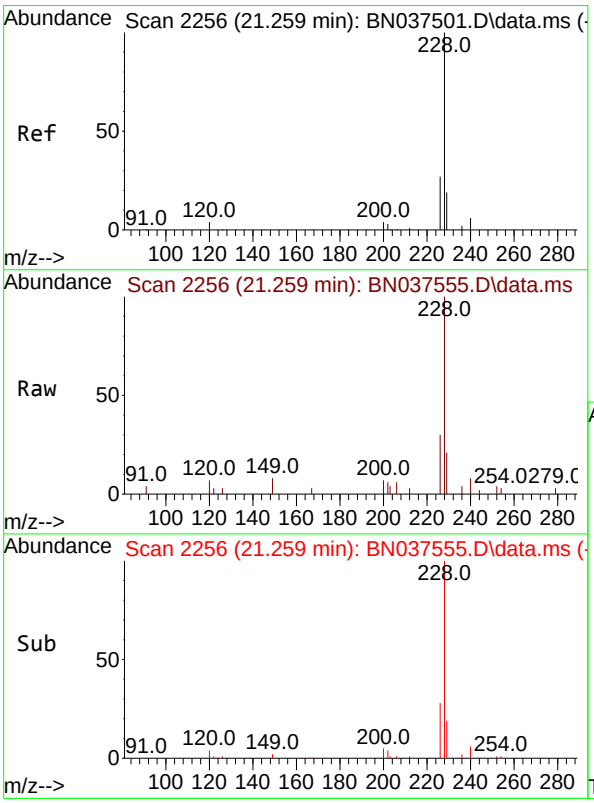
#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.726 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:244 Resp: 2289

Ion	Ratio	Lower	Upper
244	100		
212	11.8	7.4	11.2#
122	18.6	13.6	20.4

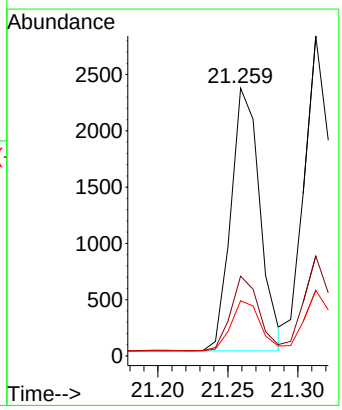


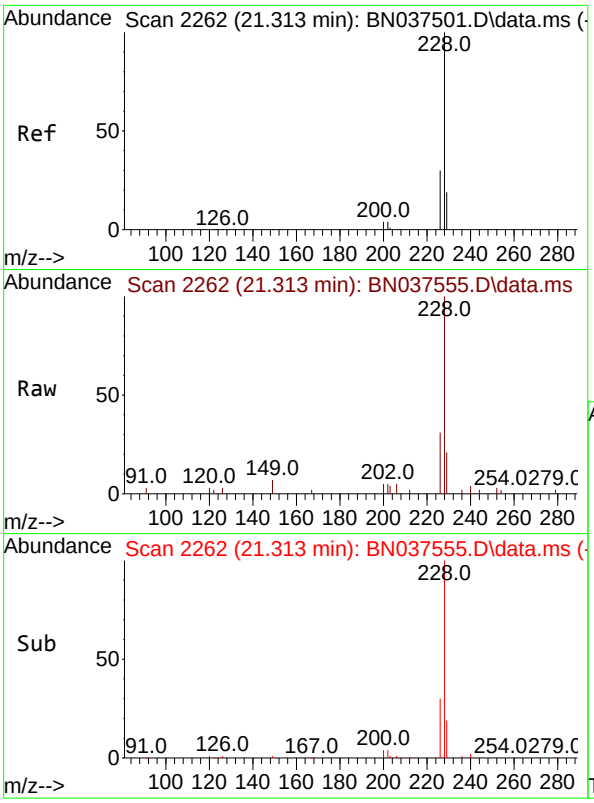


#32
Benzo(a)anthracene
Concen: 0.335 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:228 Resp: 3375

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.9	32.9
229	20.6	15.8	23.8



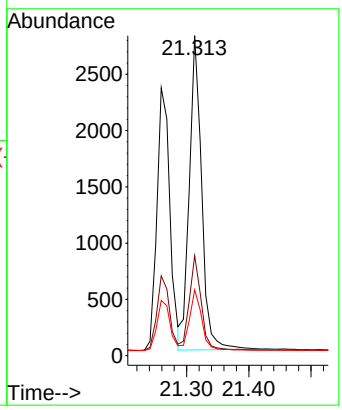


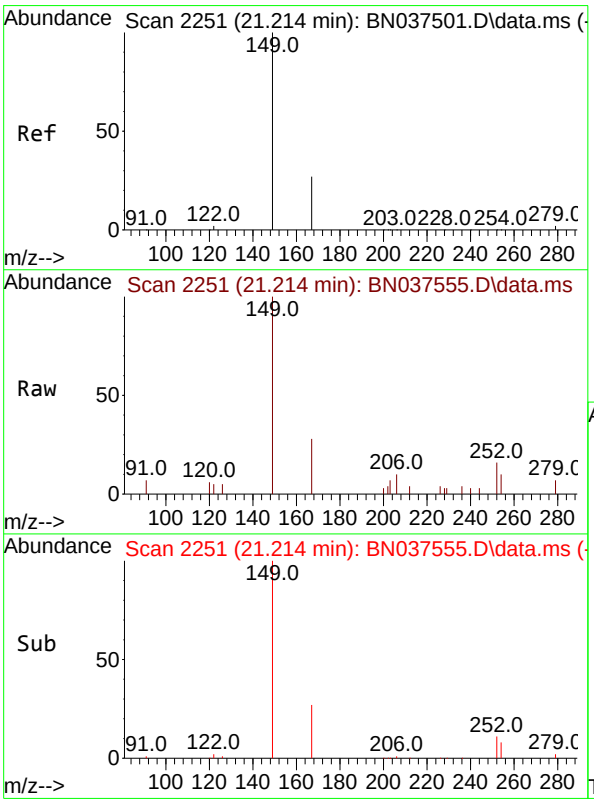
#33
Chrysene
Concen: 0.369 ng
RT: 21.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:228 Resp: 3867

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.4
229	20.6	16.1	24.1

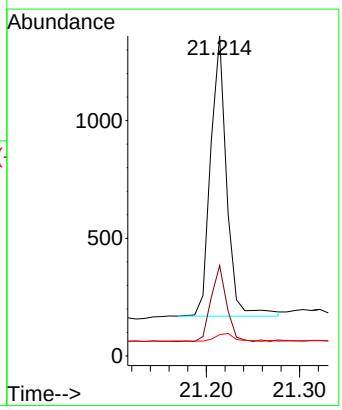


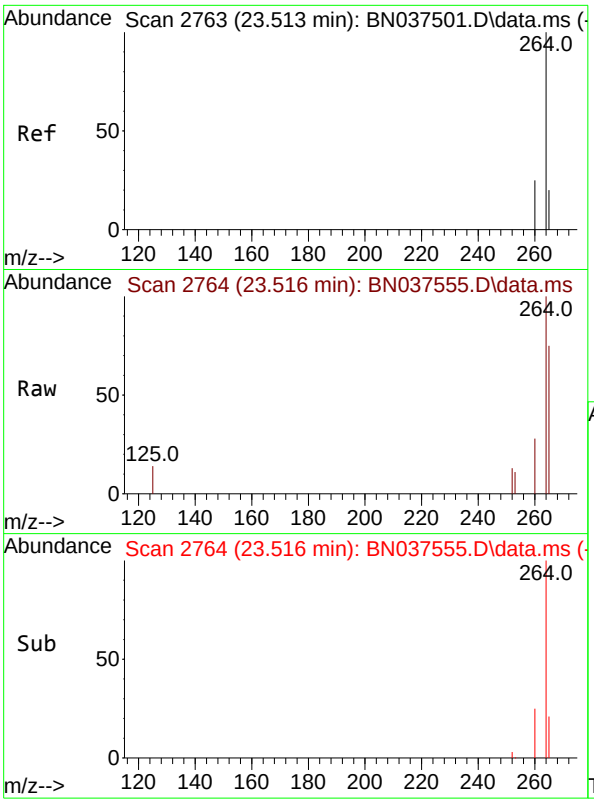


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.315 ng
RT: 21.214 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:149 Resp: 1424

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.8	32.8
279	3.3	3.0	4.4



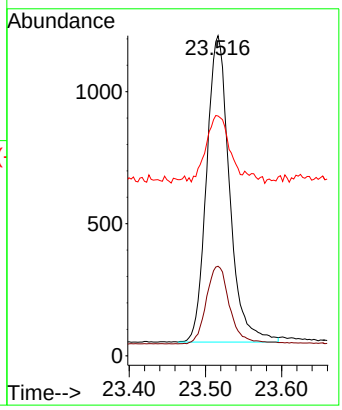


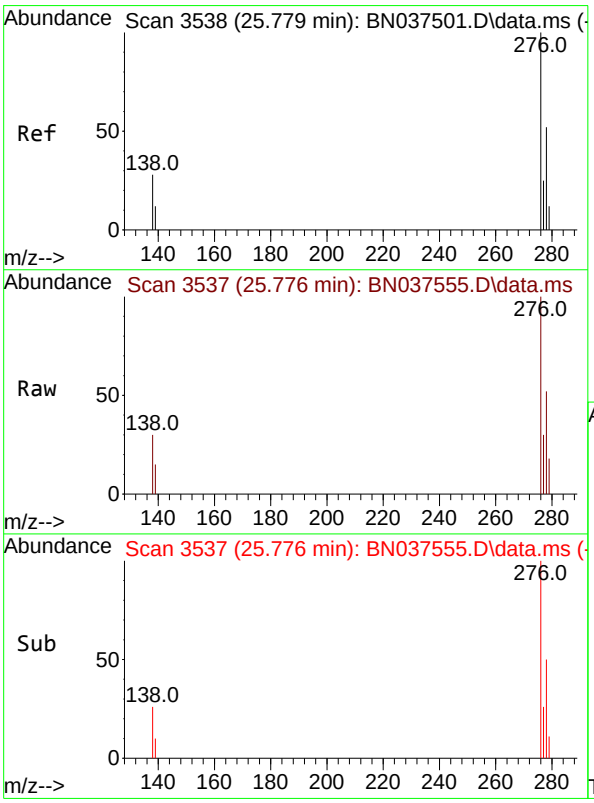
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.516 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:264 Resp: 2422

Ion	Ratio	Lower	Upper
264	100		
260	28.0	21.2	31.8
265	74.9	40.4	60.6#

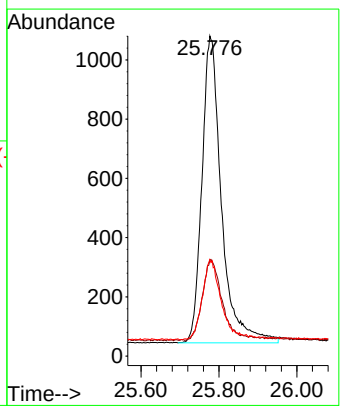


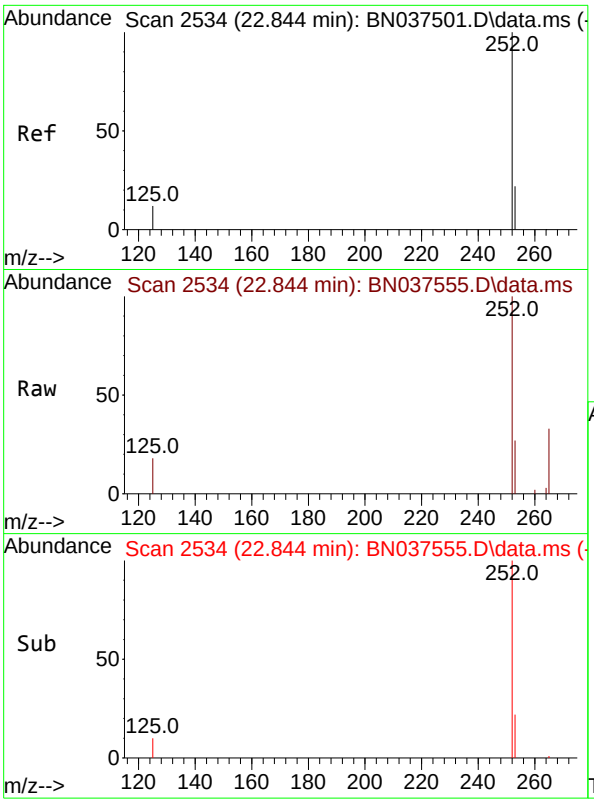


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.358 ng
RT: 25.776 min Scan# 3537
Delta R.T. -0.003 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:276 Resp: 3608

Ion	Ratio	Lower	Upper
276	100		
138	26.0	24.0	36.0
277	24.9	20.5	30.7



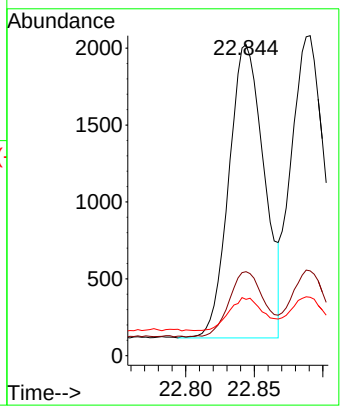


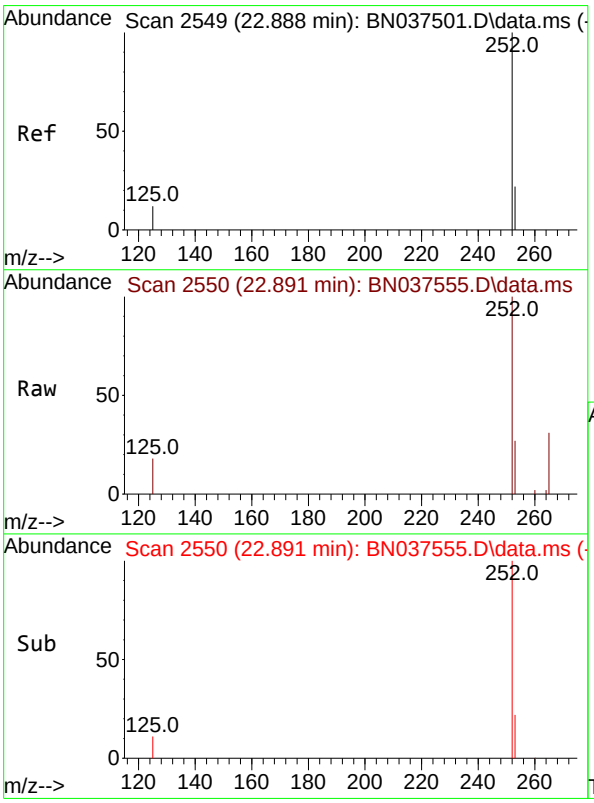
#37
Benzo(b)fluoranthene
Concen: 0.371 ng
RT: 22.844 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:252 Resp: 3411

Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.5	29.3
125	18.1	13.0	19.6

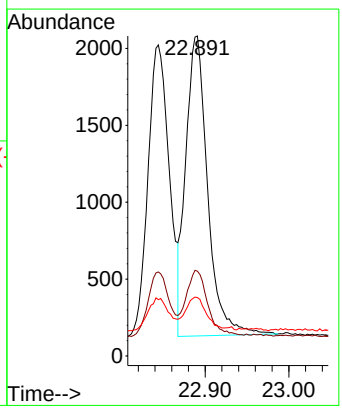


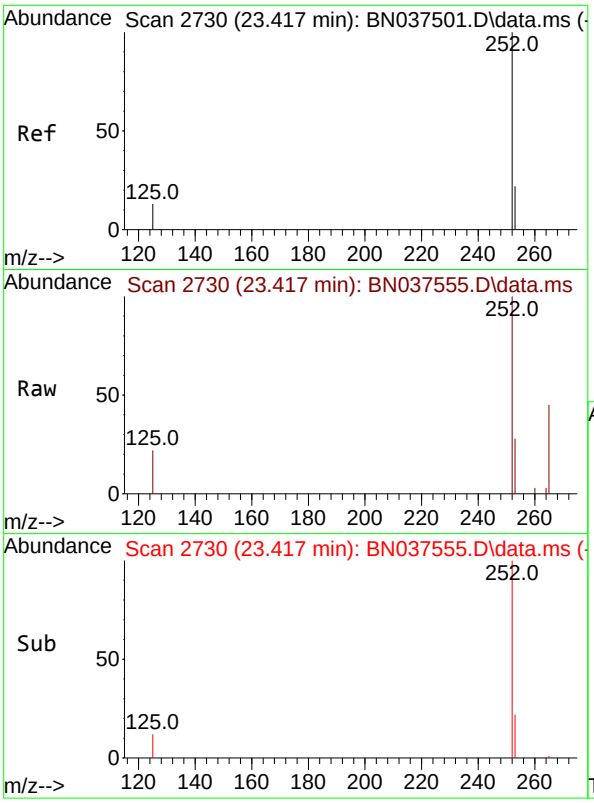


#38
Benzo(k)fluoranthene
Concen: 0.374 ng
RT: 22.891 min Scan# 2550
Delta R.T. 0.003 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:252 Resp: 3546

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.5	29.3
125	18.3	13.1	19.7



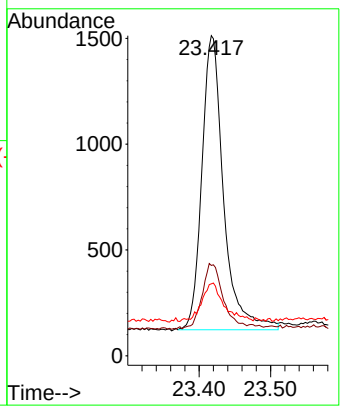


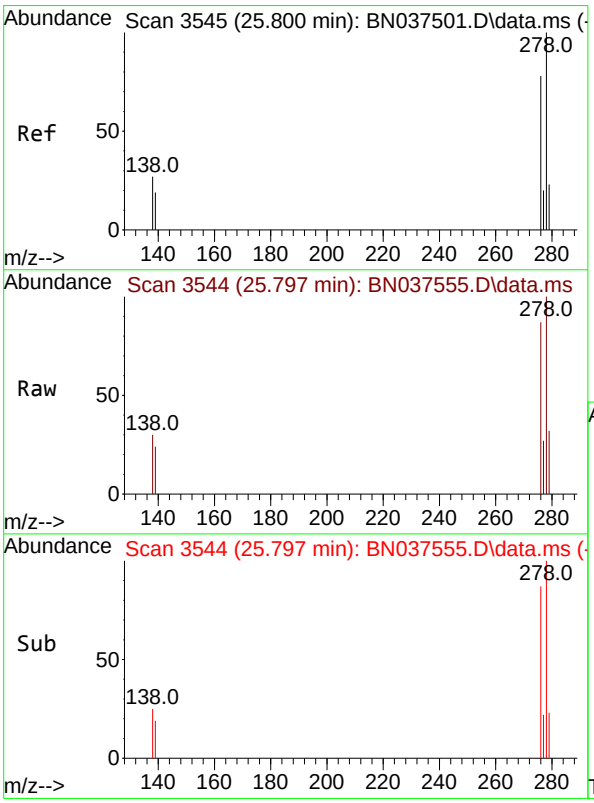
#39
Benzo(a)pyrene
Concen: 0.383 ng
RT: 23.417 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:252 Resp: 2937

Ion	Ratio	Lower	Upper
252	100		
253	28.2	19.9	29.9
125	22.5	15.2	22.8

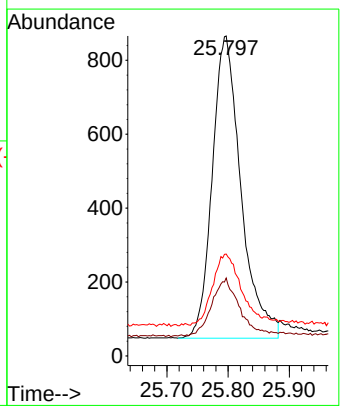


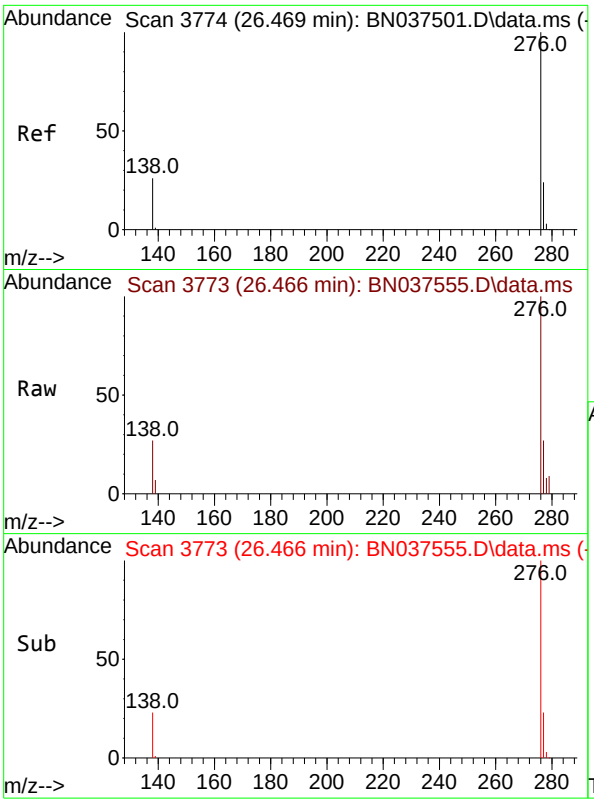


#40
Dibenzo(a,h)anthracene
Concen: 0.326 ng
RT: 25.797 min Scan# 3544
Delta R.T. -0.003 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Tgt Ion:278 Resp: 2665

Ion	Ratio	Lower	Upper
278	100		
139	24.4	17.5	26.3
279	31.9	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 0.364 ng
RT: 26.466 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037555.D
Acq: 30 Jul 2025 13:52

Instrument :
BNA_N
ClientSampleId :
PB169039BS

Tgt Ion:276 Resp: 3077

Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.9	31.3
138	27.3	22.6	33.8