Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037230.D
Acq On : 13 Jun 2025 16:35
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jun 13 18:38:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

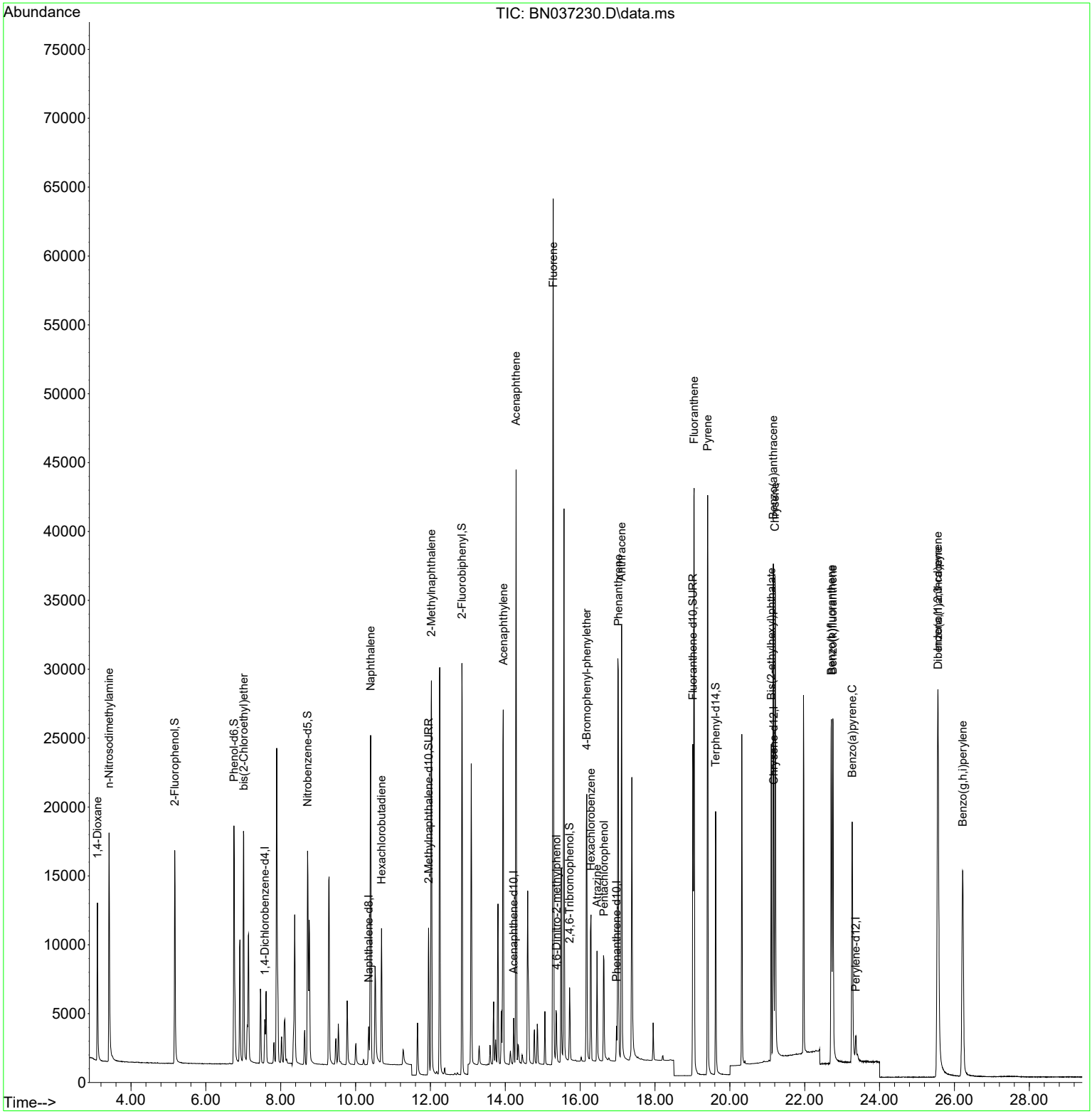
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	1362	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	3277	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	1730	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	3218	0.400	ng		0.00
29) Chrysene-d12	21.171	240	2562	0.400	ng		# 0.00
35) Perylene-d12	23.366	264	2434	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.170	112	10792	3.226	ng		0.00
5) Phenol-d6	6.752	99	12700	3.602	ng		0.00
8) Nitrobenzene-d5	8.717	82	11592	3.579	ng		-0.01
11) 2-Methylnaphthalene-d10	11.950	152	14468	3.290	ng		0.00
14) 2,4,6-Tribromophenol	15.718	330	2530	3.521	ng		-0.01
15) 2-Fluorobiphenyl	12.843	172	24600	3.384	ng		0.00
27) Fluoranthene-d10	19.012	212	26844	3.188	ng		0.00
31) Terphenyl-d14	19.621	244	19247	3.323	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	5606	3.000	ng		94
3) n-Nitrosodimethylamine	3.415	42	13425	3.153	ng		97
6) bis(2-Chloroethyl)ether	7.012	93	11592	3.671	ng		94
9) Naphthalene	10.404	128	30442	3.208	ng		95
10) Hexachlorobutadiene	10.693	225	6997	3.031	ng	#	98
12) 2-Methylnaphthalene	12.026	142	19566	3.392	ng		98
16) Acenaphthylene	13.946	152	28536	3.366	ng		99
17) Acenaphthene	14.288	154	18242	3.334	ng		98
18) Fluorene	15.282	166	23723	3.375	ng		100
20) 4,6-Dinitro-2-methylph...	15.368	198	2836	3.223	ng	#	37
21) 4-Bromophenyl-phenylether	16.177	248	7106	3.389	ng	#	83
22) Hexachlorobenzene	16.289	284	7308	3.006	ng		97
23) Atrazine	16.450	200	6193	3.311	ng		88
24) Pentachlorophenol	16.636	266	4179	3.508	ng		98
25) Phenanthrene	17.021	178	34176	3.349	ng		99
26) Anthracene	17.108	178	32366	3.464	ng		99
28) Fluoranthene	19.045	202	38876	3.254	ng		98
30) Pyrene	19.407	202	38772	3.219	ng		100
32) Benzo(a)anthracene	21.162	228	30893	3.571	ng		96
33) Chrysene	21.207	228	33474	3.106	ng		97
34) Bis(2-ethylhexyl)phtha...	21.108	149	19300	2.996	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.556	276	34219	3.486	ng	#	94
37) Benzo(b)fluoranthene	22.711	252	30687	3.447	ng	#	85
38) Benzo(k)fluoranthene	22.752	252	33172	3.248	ng	#	85
39) Benzo(a)pyrene	23.269	252	26918	3.361	ng	#	79
40) Dibenzo(a,h)anthracene	25.564	278	27744	3.751	ng	#	81
41) Benzo(g,h,i)perylene	26.219	276	30489	3.350	ng		95

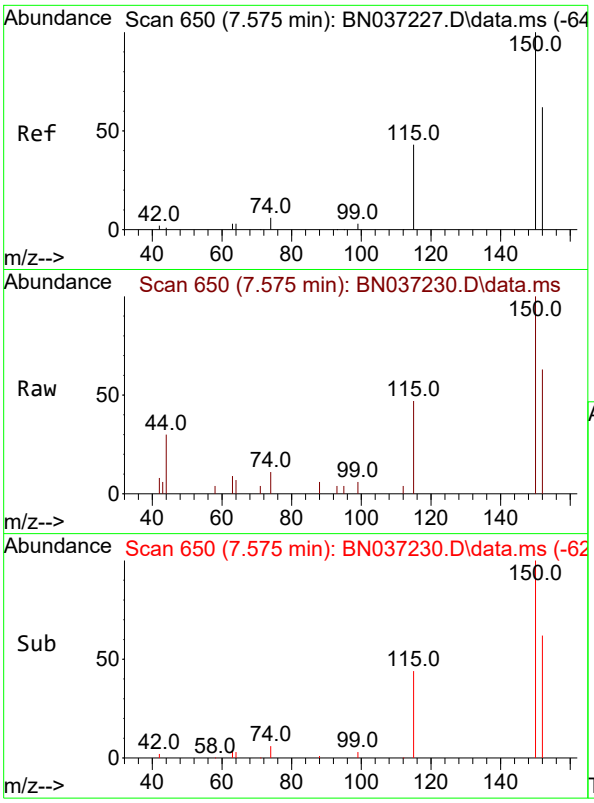
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037230.D
Acq On : 13 Jun 2025 16:35
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jun 13 18:38:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration



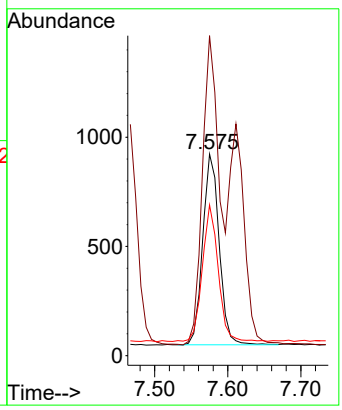


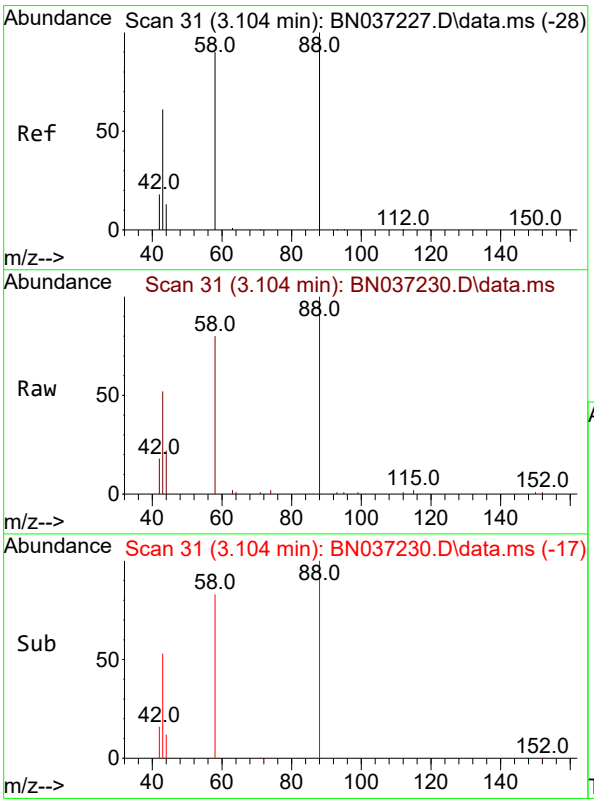
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 1362

Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.2	187.8
115	74.8	58.4	87.6

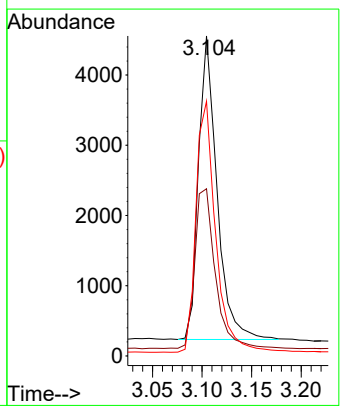


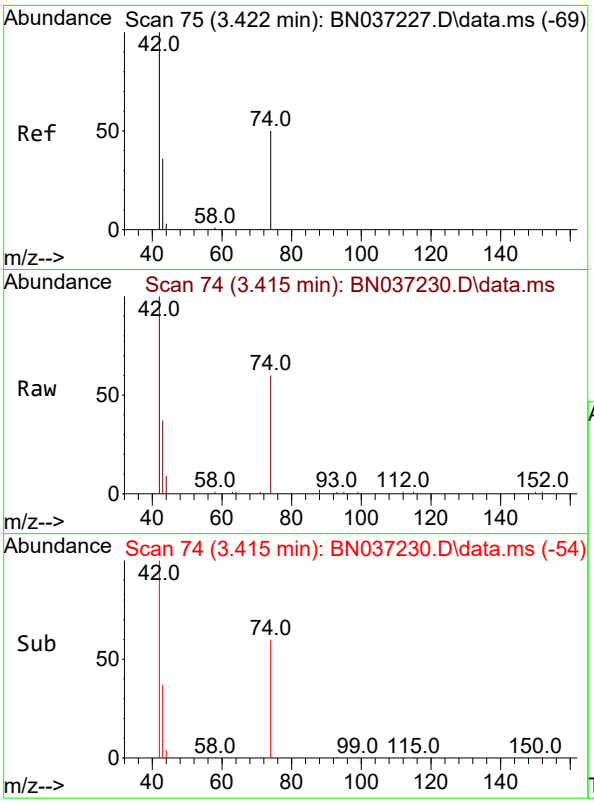


#2
1,4-Dioxane
Concen: 3.000 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion: 88 Resp: 5606

Ion	Ratio	Lower	Upper
88	100		
43	58.5	52.6	79.0
58	88.1	73.5	110.3



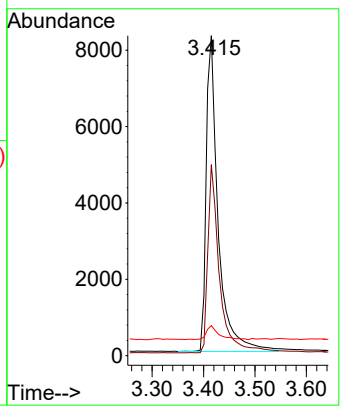


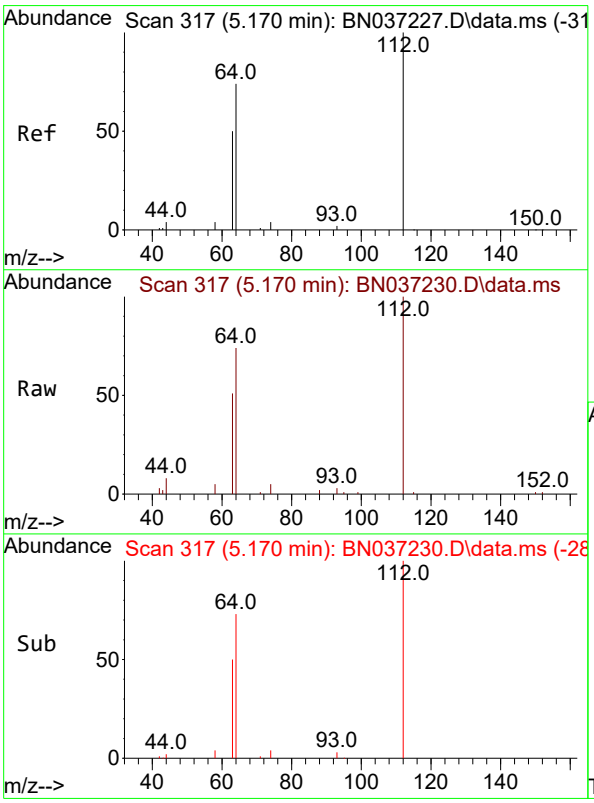
#3
n-Nitrosodimethylamine
Concen: 3.153 ng
RT: 3.415 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 13425

Ion	Ratio	Lower	Upper
42	100		
74	58.0	44.6	66.8
44	4.7	3.5	5.3

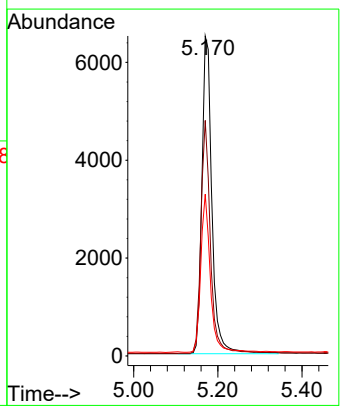


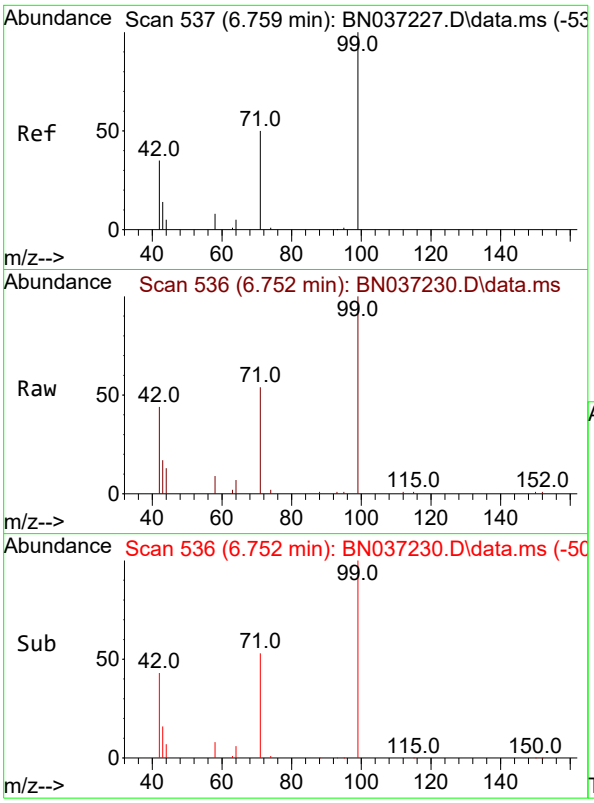


#4
2-Fluorophenol
Concen: 3.226 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:112 Resp: 10792

Ion	Ratio	Lower	Upper
112	100		
64	69.7	57.2	85.8
63	47.3	39.8	59.6



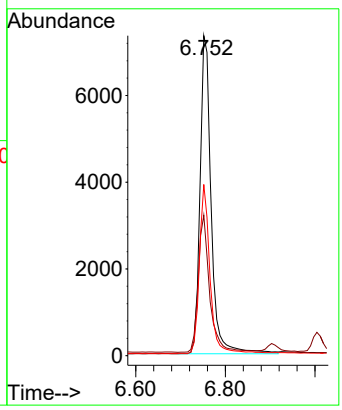


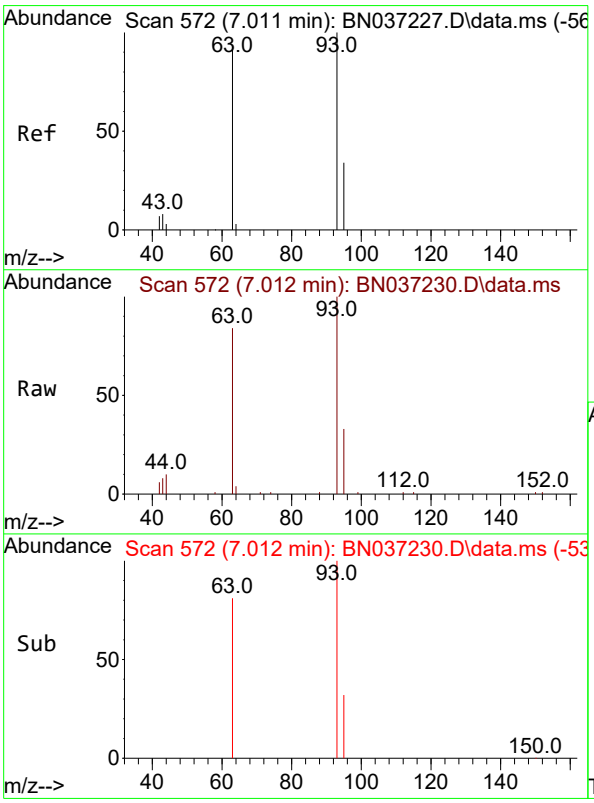
#5
Phenol-d6
Concen: 3.602 ng
RT: 6.752 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 12700

Ion	Ratio	Lower	Upper
99	100		
42	44.5	36.2	54.4
71	51.2	42.4	63.6

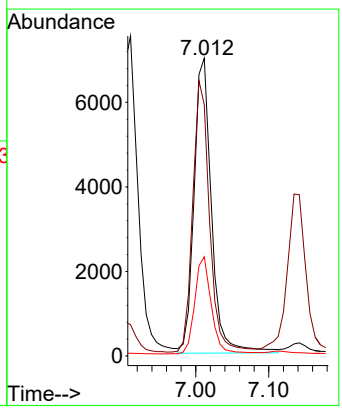


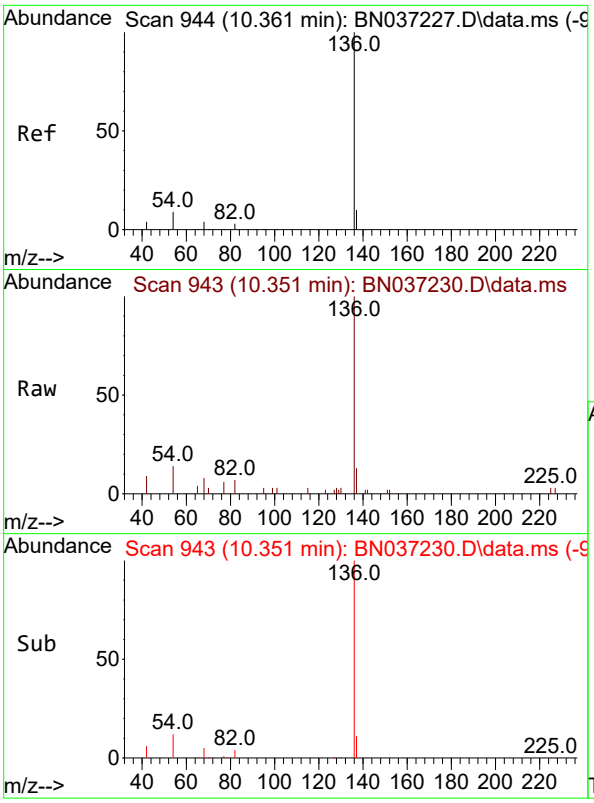


#6
bis(2-Chloroethyl)ether
Concen: 3.671 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion: 93 Resp: 11592

Ion	Ratio	Lower	Upper
93	100		
63	88.1	75.2	112.8
95	31.1	28.3	42.5



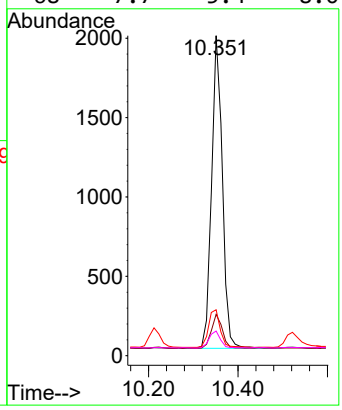


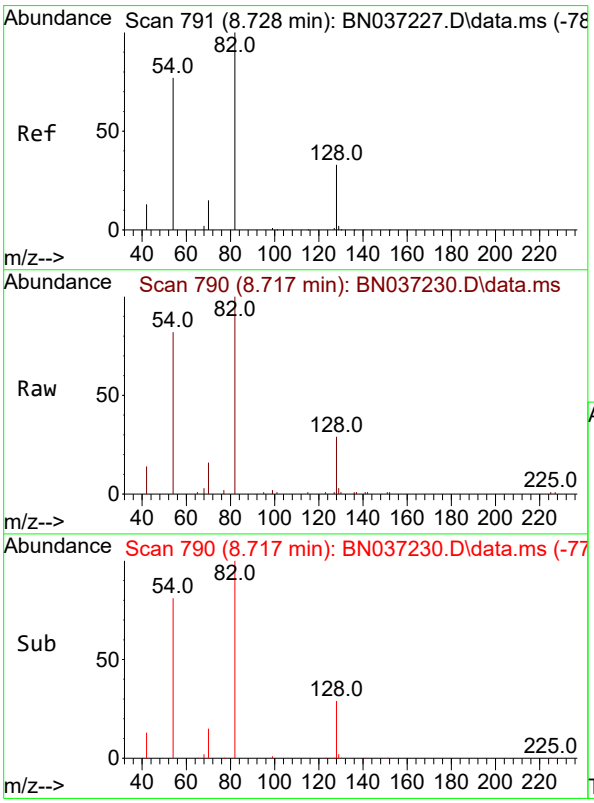
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.010 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 3277

Ion	Ratio	Lower	Upper
136	100		
137	12.9	10.6	15.8
54	14.4	9.2	13.8#
68	7.7	5.4	8.0

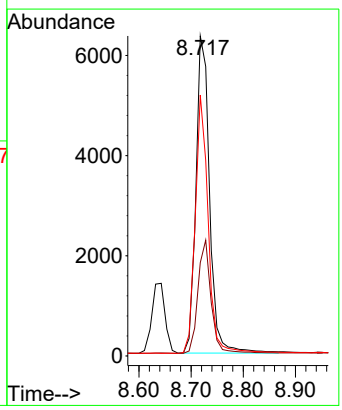


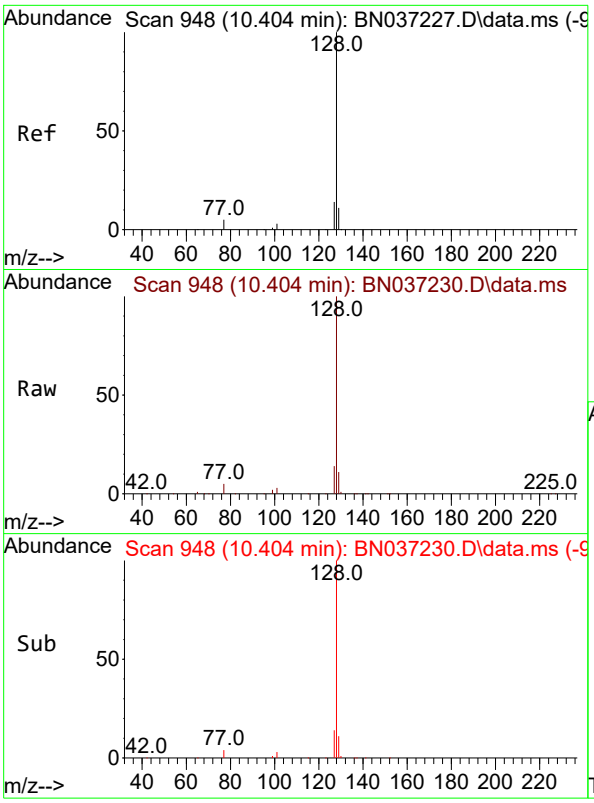


#8
Nitrobenzene-d5
Concen: 3.579 ng
RT: 8.717 min Scan# 790
Delta R.T. -0.010 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion: 82 Resp: 11592

Ion	Ratio	Lower	Upper
82	100		
128	29.1	31.2	46.8#
54	81.6	63.3	94.9



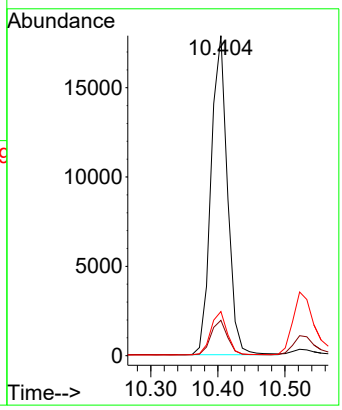


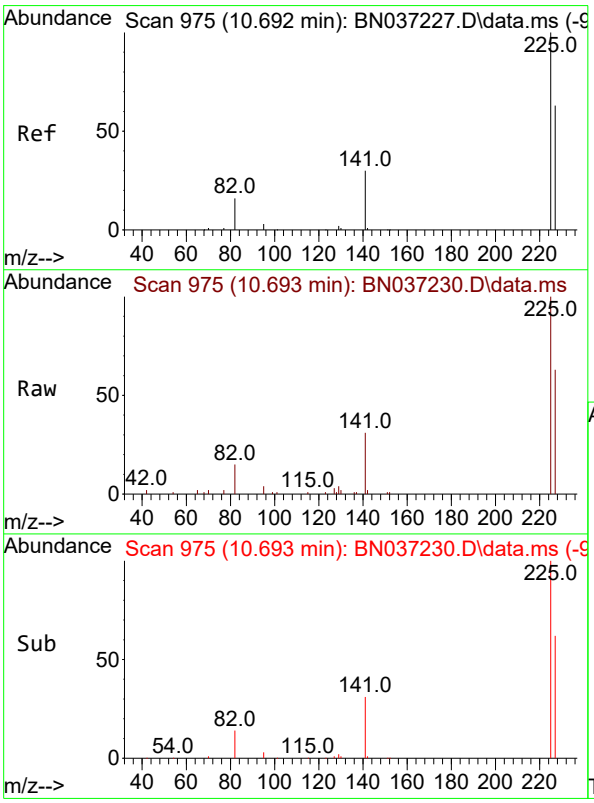
#9
Naphthalene
Concen: 3.208 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 30442

Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.7	16.1
127	13.8	12.6	19.0

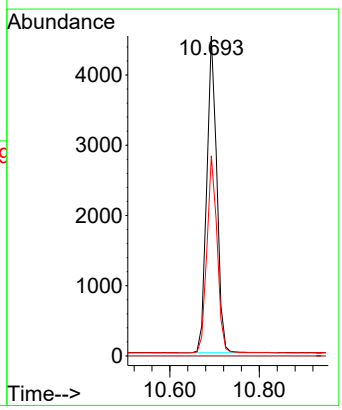


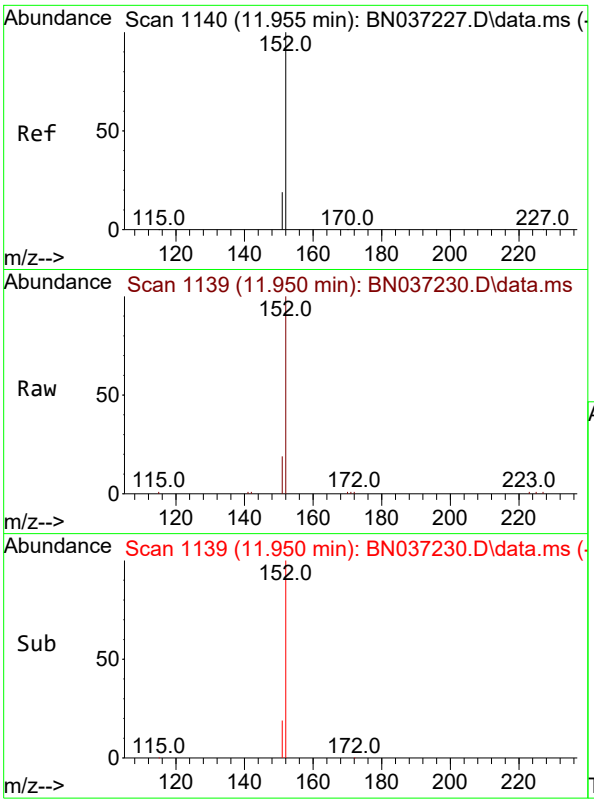


#10
Hexachlorobutadiene
Concen: 3.031 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:225 Resp: 6997

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	49.2	73.8



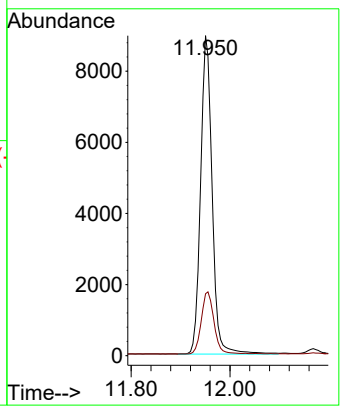


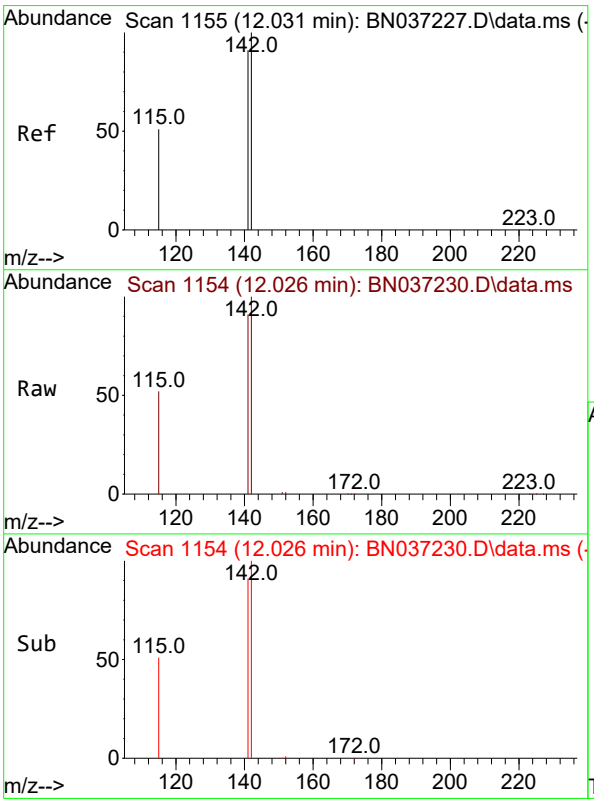
#11
2-Methylnaphthalene-d10
Concen: 3.290 ng
RT: 11.950 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 14468

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.9	26.9

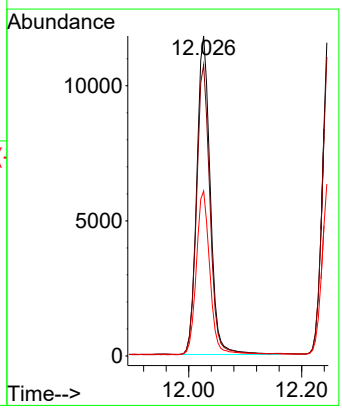


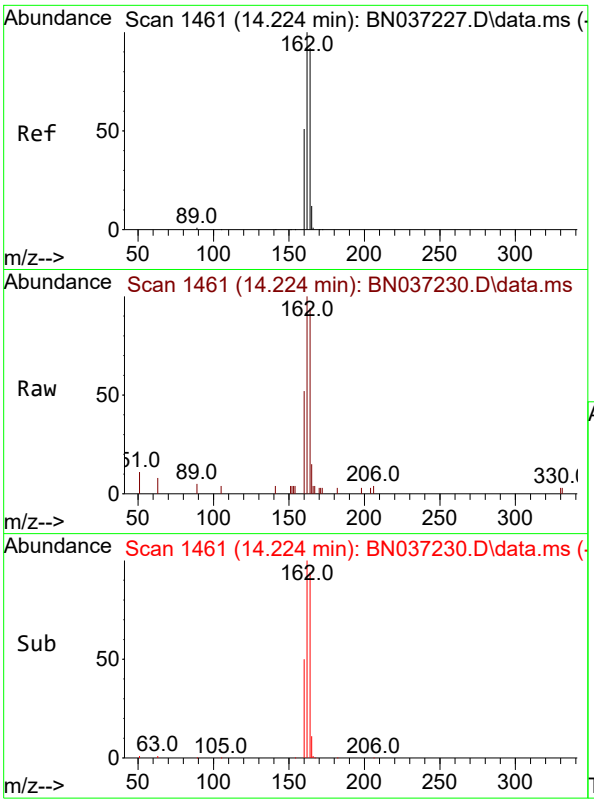


#12
2-Methylnaphthalene
Concen: 3.392 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:142 Resp: 19566

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.6
115	51.5	43.3	64.9



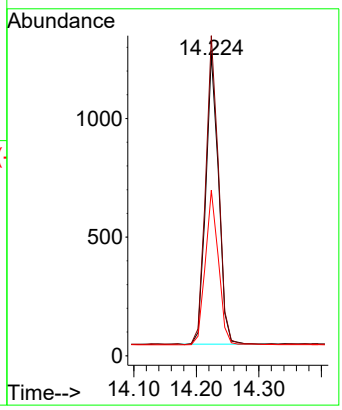


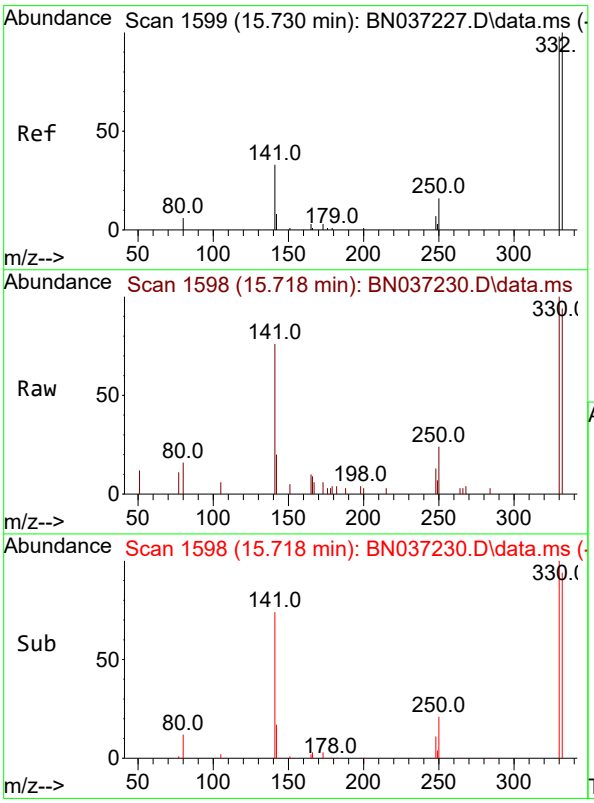
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 1730

Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.7	130.1
160	55.0	45.8	68.6

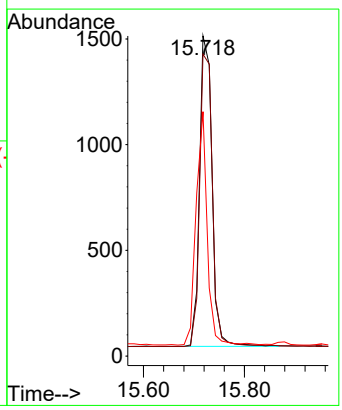


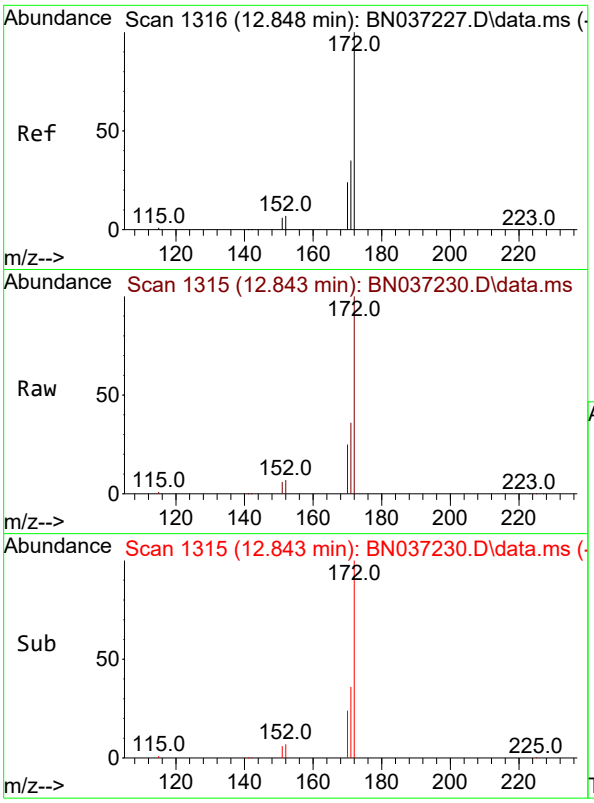


#14
2,4,6-Tribromophenol
Concen: 3.521 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:330 Resp: 2530

Ion	Ratio	Lower	Upper
330	100		
332	96.8	74.9	112.3
141	67.2	45.1	67.7



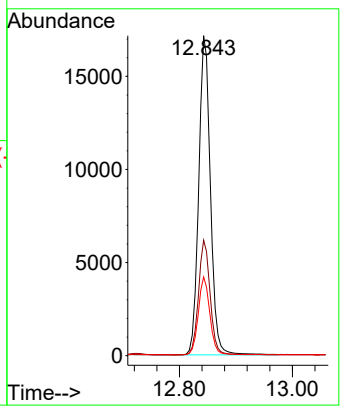


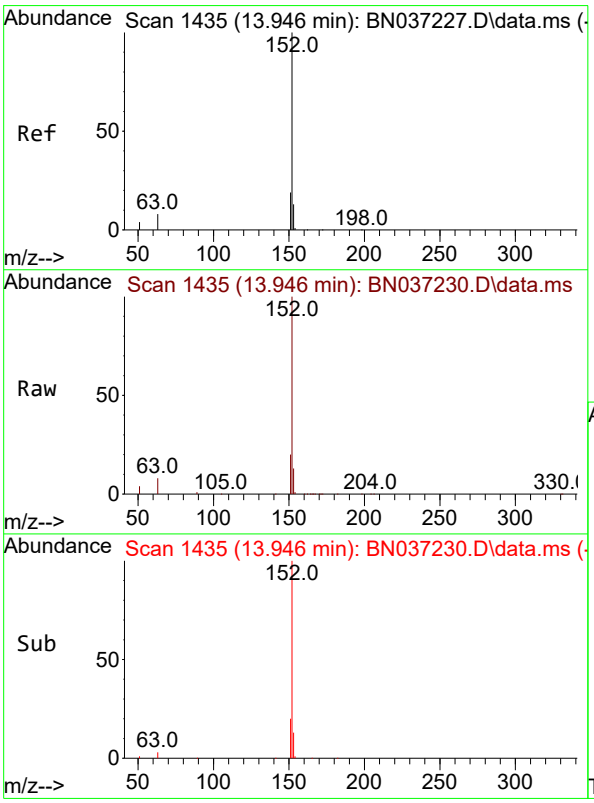
#15
2-Fluorobiphenyl
Concen: 3.384 ng
RT: 12.843 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 24600

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.8
170	24.6	21.1	31.7

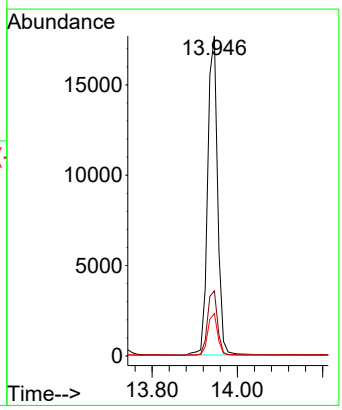


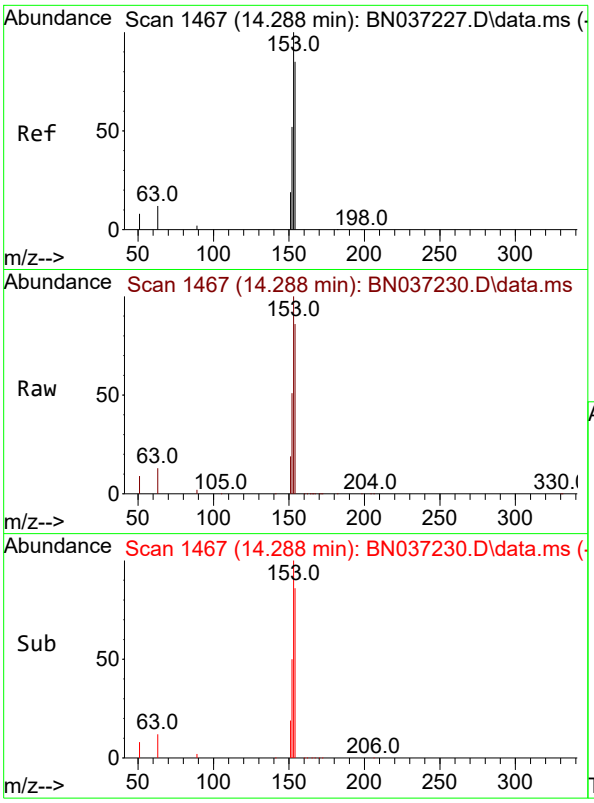


#16
Acenaphthylene
Concen: 3.366 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:152 Resp: 28536

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	12.9	10.7	16.1



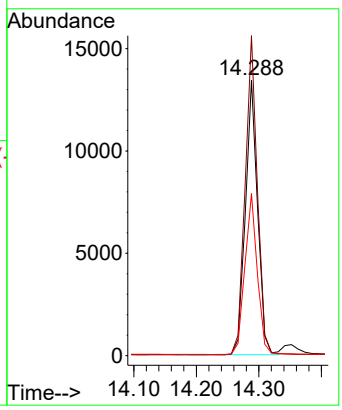


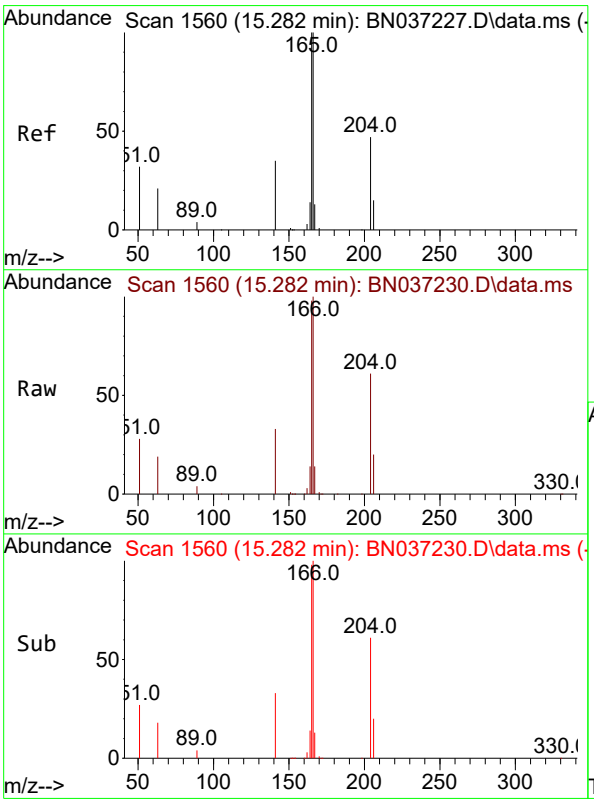
#17
Acenaphthene
Concen: 3.334 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 18242

Ion	Ratio	Lower	Upper
154	100		
153	116.2	94.6	141.8
152	60.0	49.6	74.4

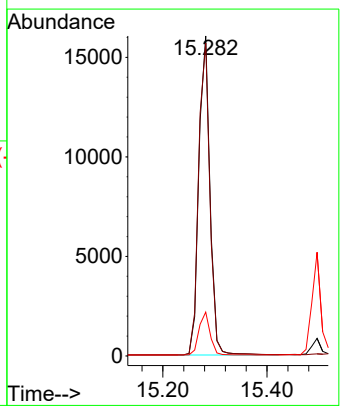


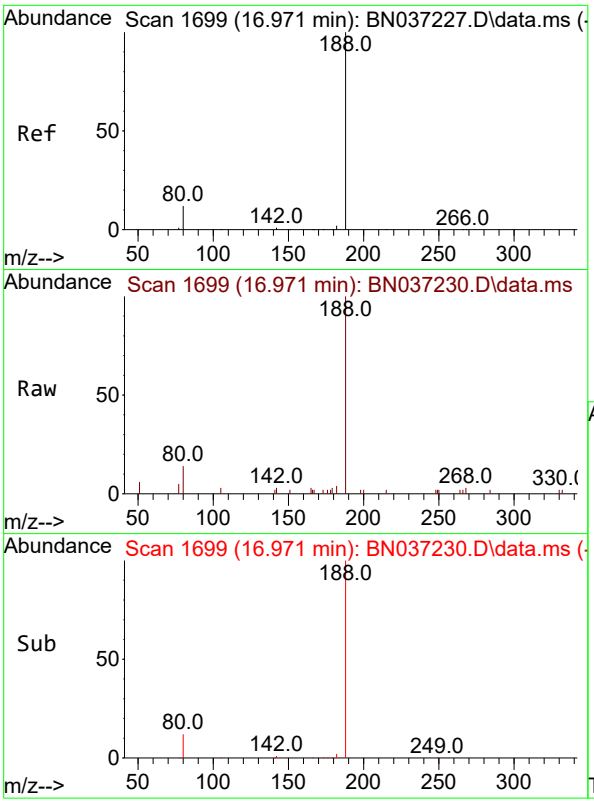


#18
Fluorene
Concen: 3.375 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:166 Resp: 23723

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.6
167	13.4	10.8	16.2



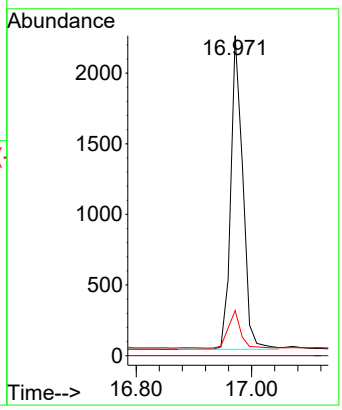


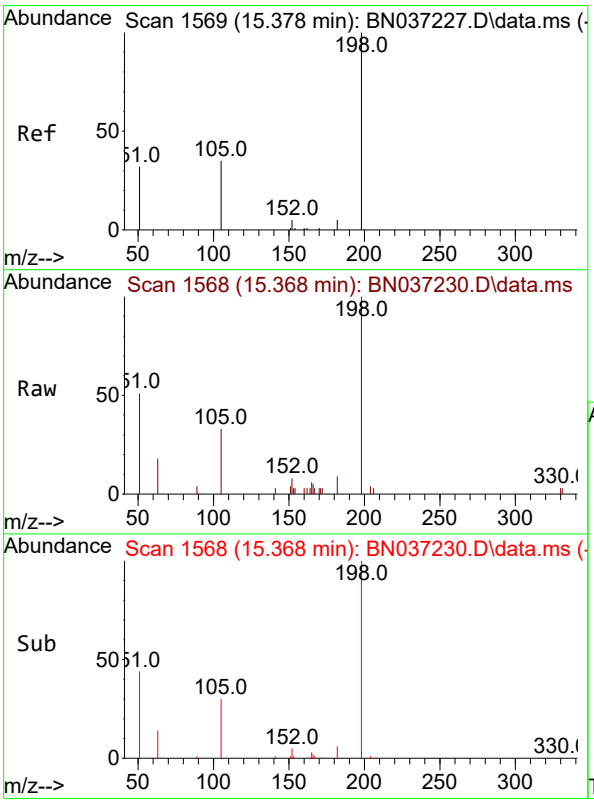
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 3218

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	12.2	18.4

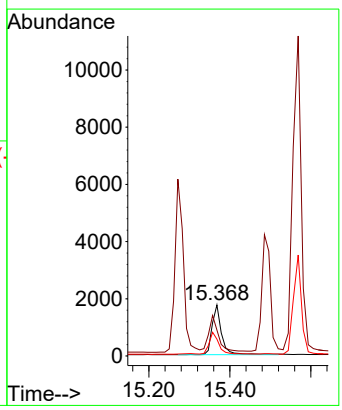


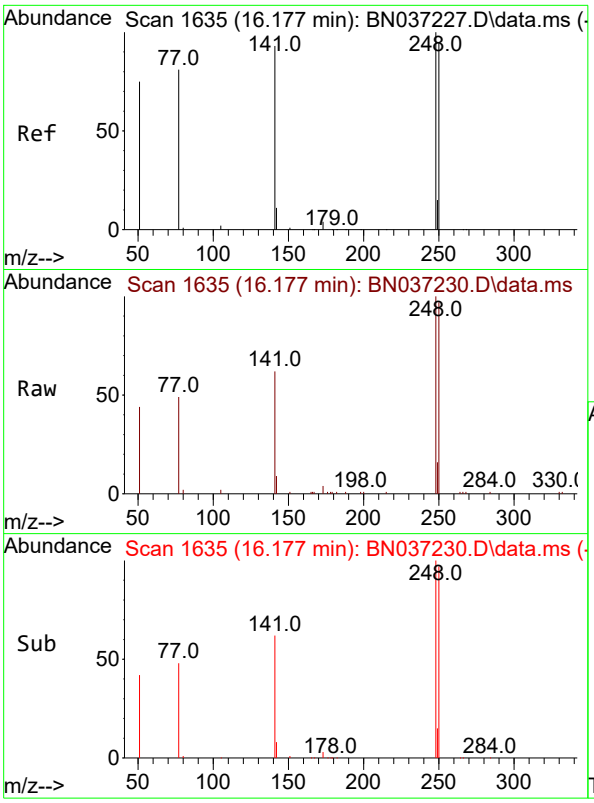


#20
4,6-Dinitro-2-methylphenol
Concen: 3.223 ng
RT: 15.368 min Scan# 1568
Delta R.T. -0.010 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:198 Resp: 2836

Ion	Ratio	Lower	Upper
198	100		
51	50.6	111.2	166.8#
105	32.9	54.0	81.0#



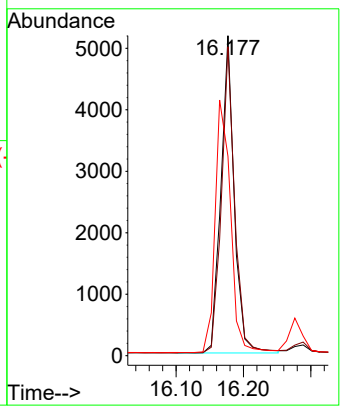


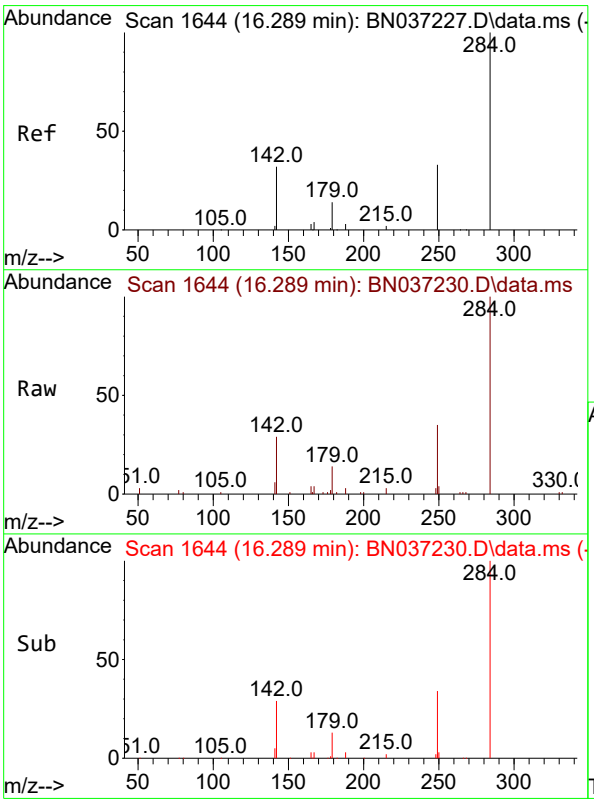
#21
4-Bromophenyl-phenylether
Concen: 3.389 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 7106

Ion	Ratio	Lower	Upper
248	100		
250	96.6	76.8	115.2
141	62.3	75.6	113.4#

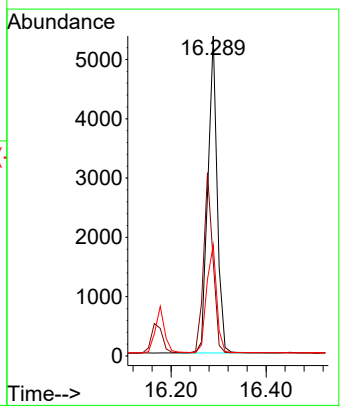


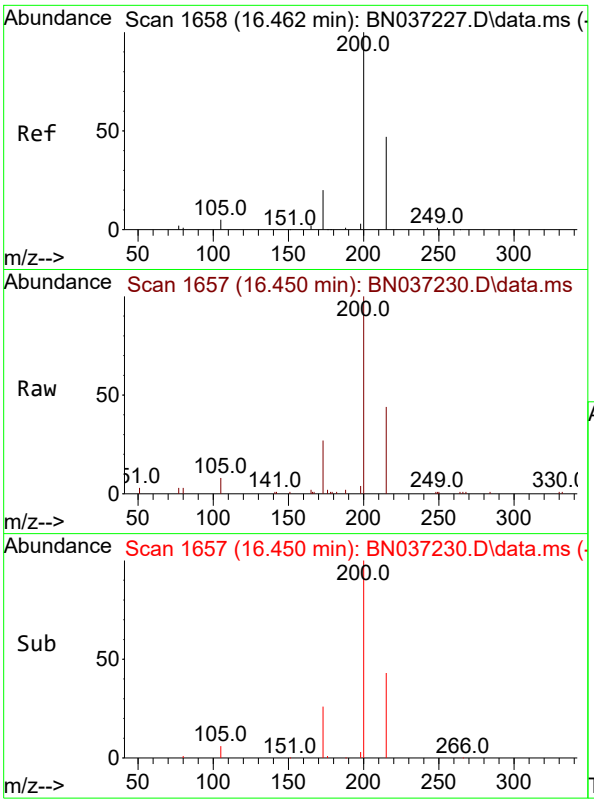


#22
Hexachlorobenzene
Concen: 3.006 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:284 Resp: 7308

Ion	Ratio	Lower	Upper
284	100		
142	57.3	43.8	65.6
249	36.7	28.4	42.6



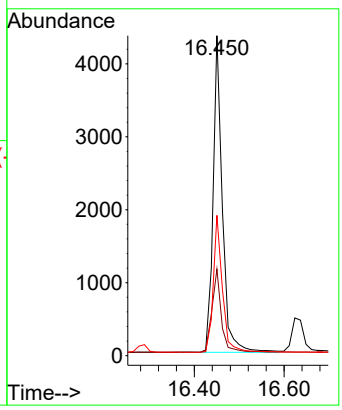


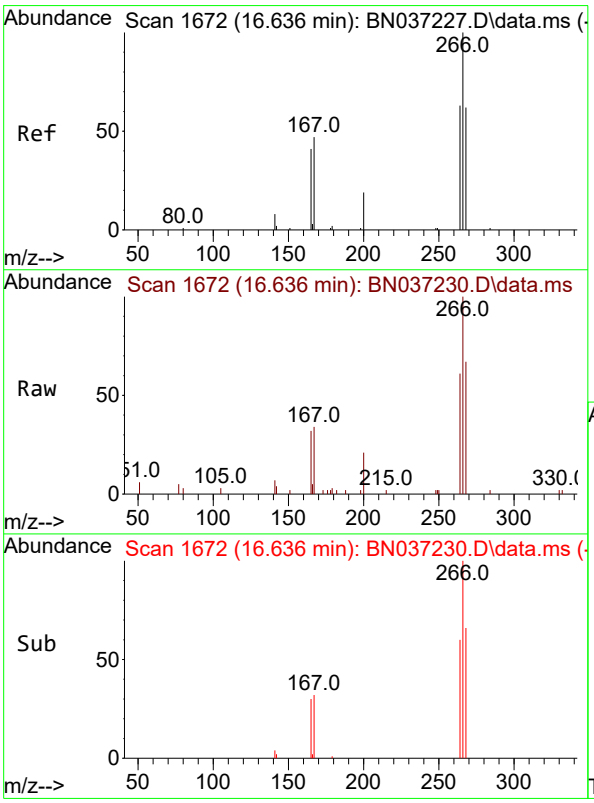
#23
Atrazine
Concen: 3.311 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 6193

Ion	Ratio	Lower	Upper
200	100		
173	27.0	25.1	37.7
215	43.8	43.7	65.5

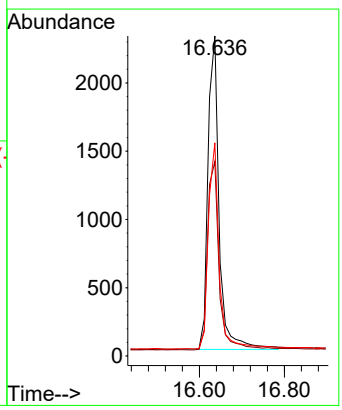


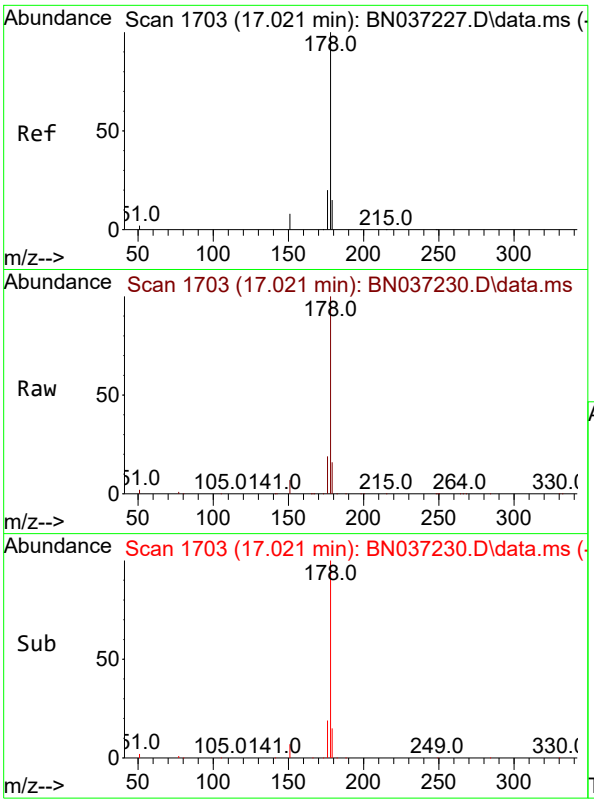


#24
Pentachlorophenol
Concen: 3.508 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:266 Resp: 4179

Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.2	73.8
268	64.6	53.4	80.2



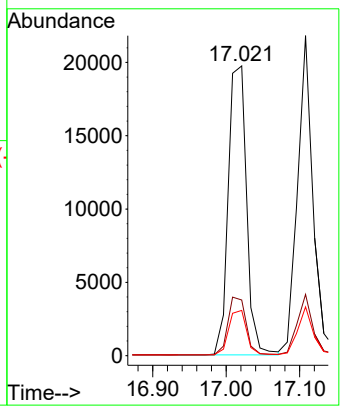


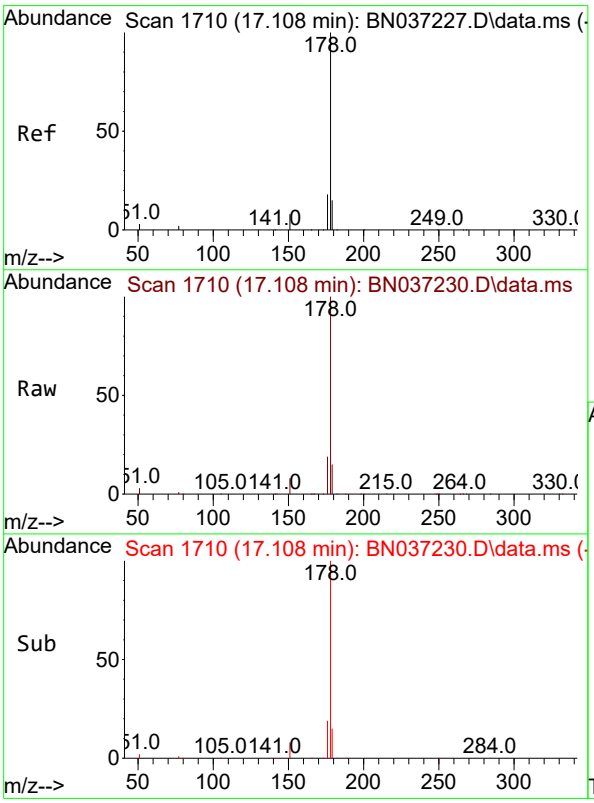
#25
Phenanthrene
Concen: 3.349 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 34176

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.1	12.6	18.8

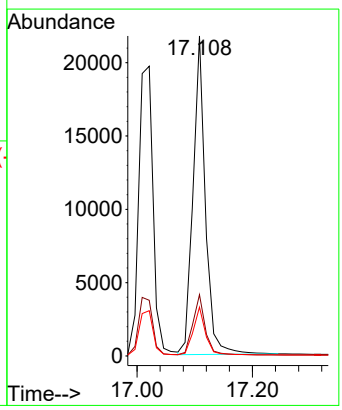


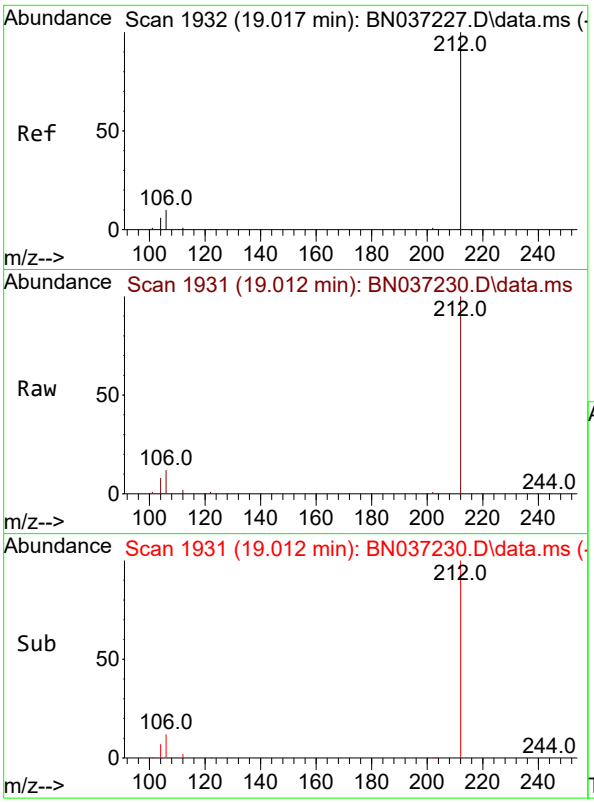


#26
Anthracene
Concen: 3.464 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:178 Resp: 32366

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.0	12.4	18.6



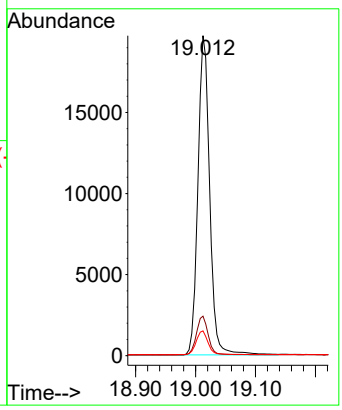


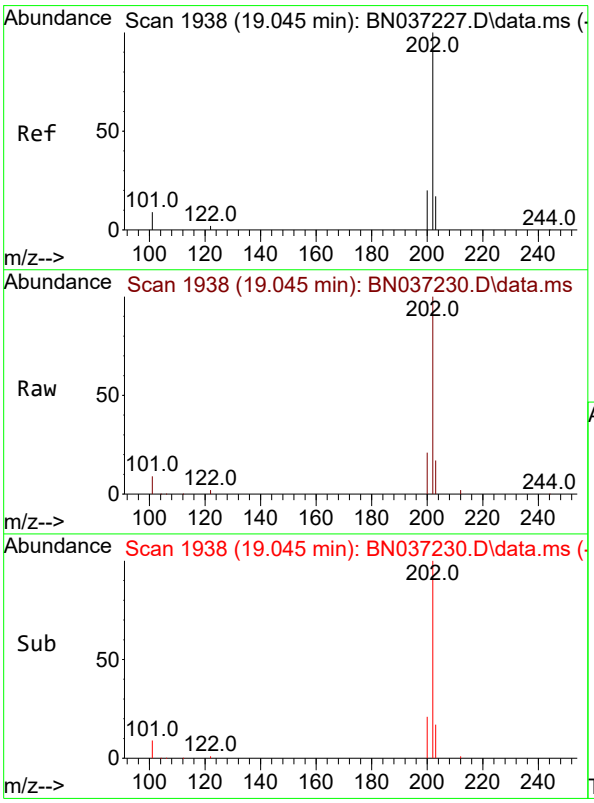
#27
Fluoranthene-d10
Concen: 3.188 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 26844

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.3	13.9
104	7.6	5.7	8.5

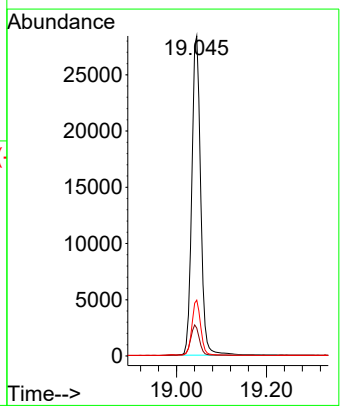


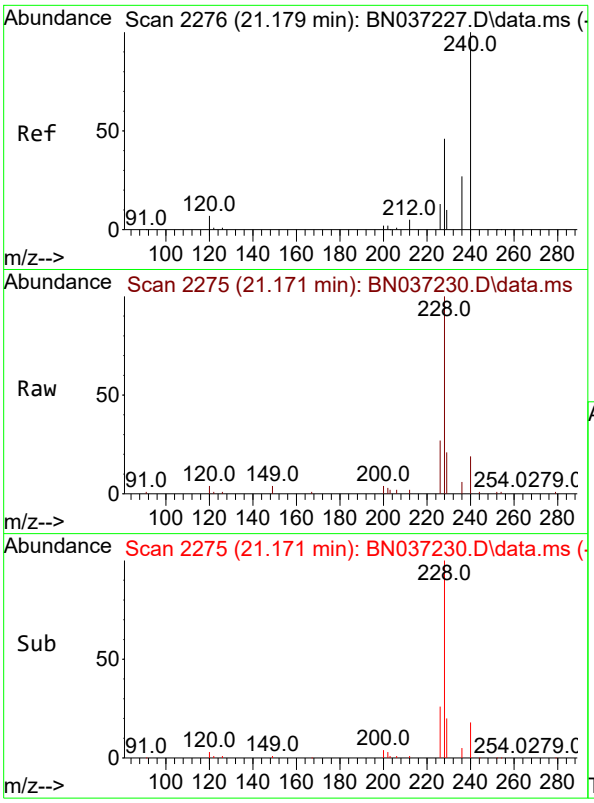


#28
Fluoranthene
Concen: 3.254 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:202 Resp: 38876

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.1	10.7
203	17.1	13.0	19.6



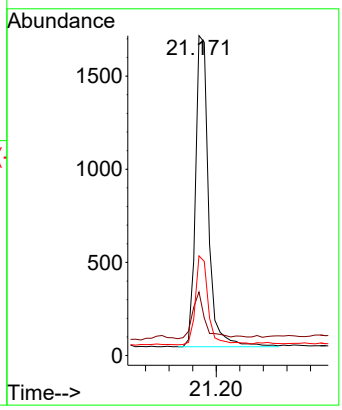


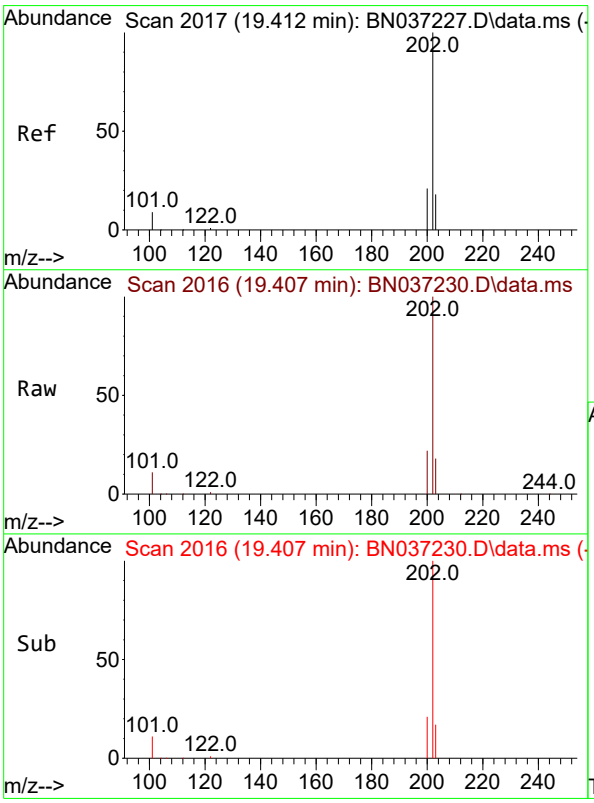
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 2562

Ion	Ratio	Lower	Upper
240	100		
120	19.9	11.3	16.9#
236	31.2	24.4	36.6

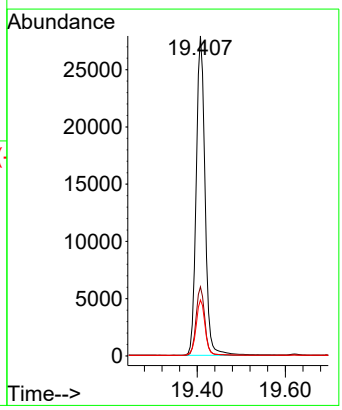


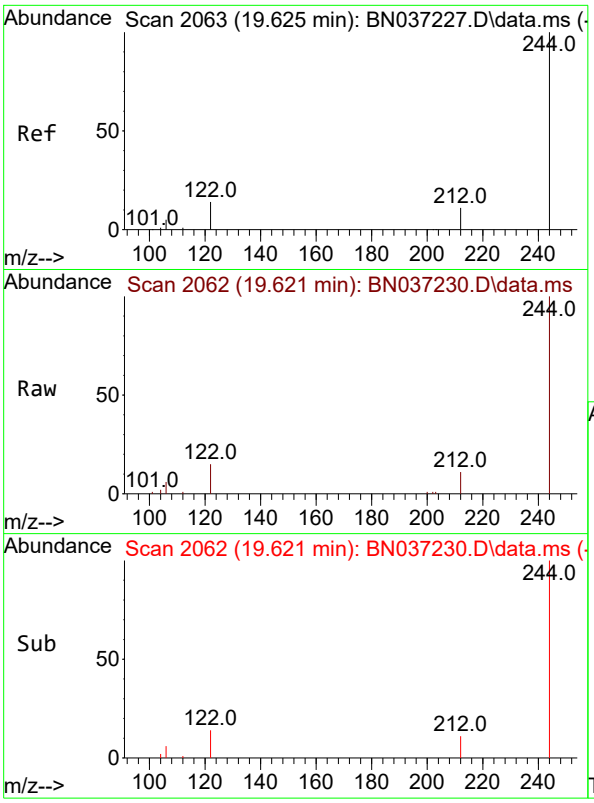


#30
Pyrene
Concen: 3.219 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.004 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:202 Resp: 38772

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.3	21.5



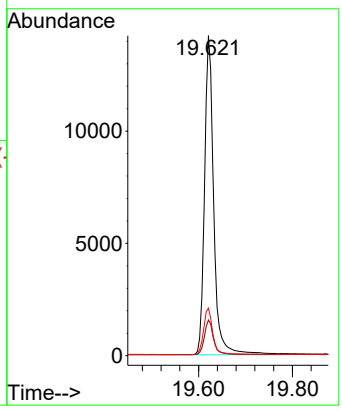


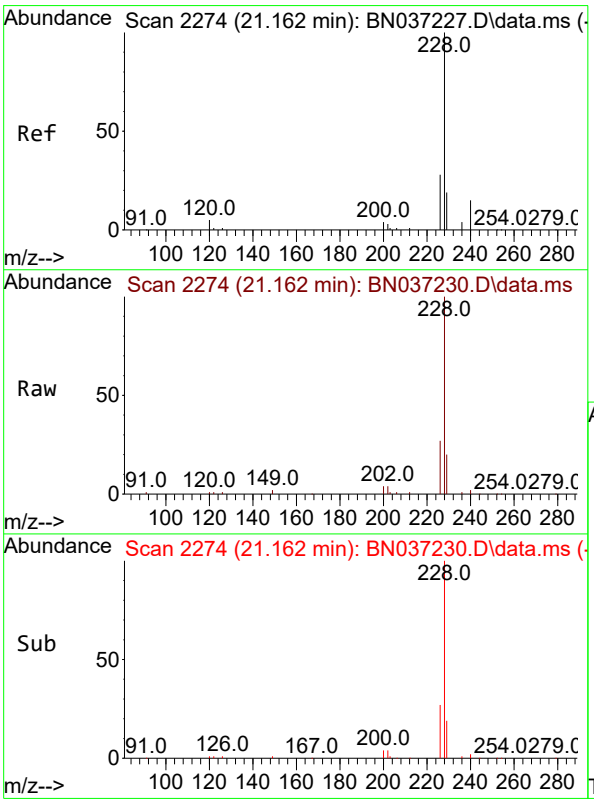
#31
Terphenyl-d14
Concen: 3.323 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 19247

Ion	Ratio	Lower	Upper
244	100		
212	11.2	12.2	18.2#
122	14.9	14.3	21.5

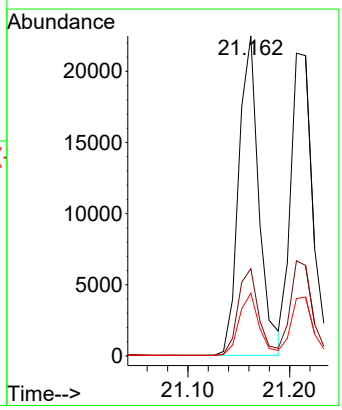


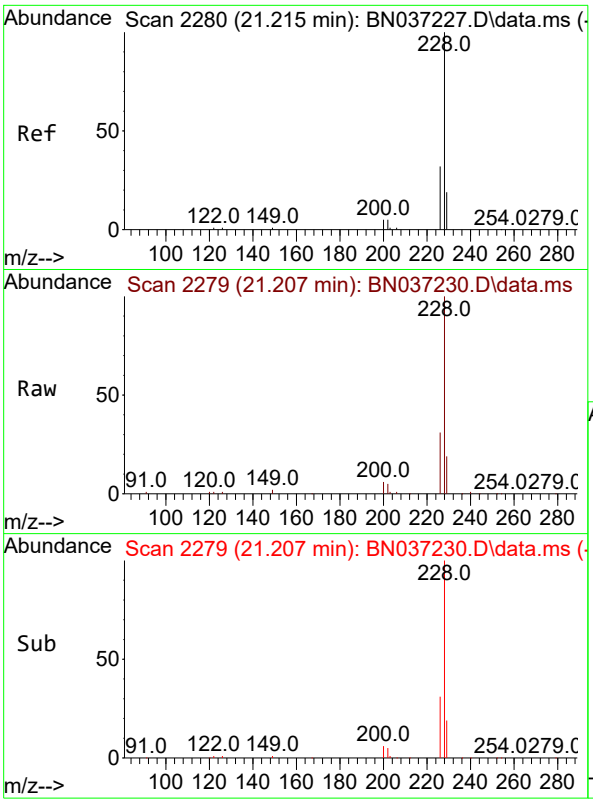


#32
Benzo(a)anthracene
Concen: 3.571 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:228 Resp: 30893

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.8	35.8
229	19.6	17.0	25.4



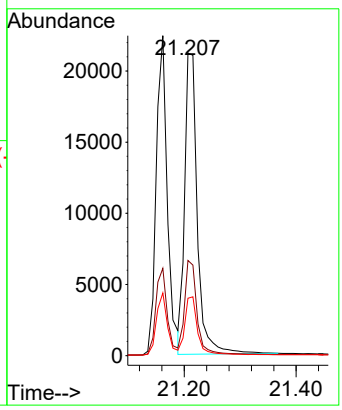


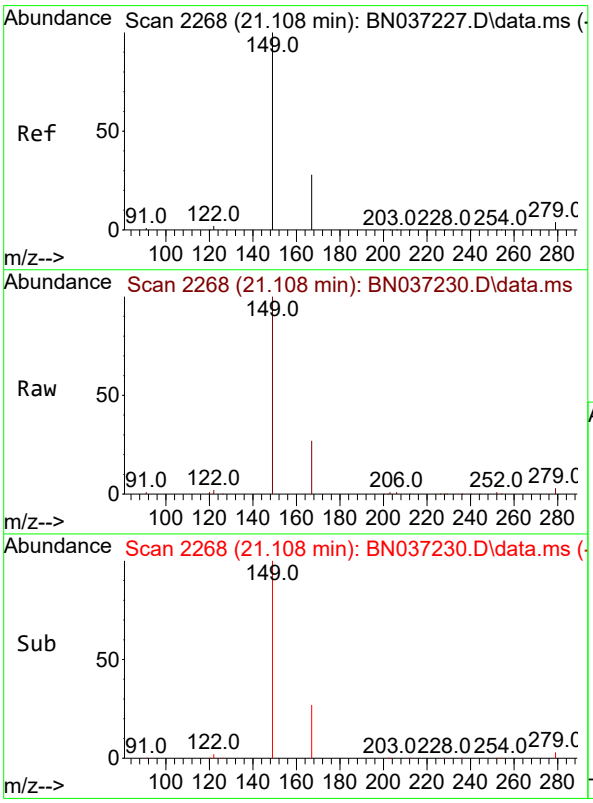
#33
Chrysene
Concen: 3.106 ng
RT: 21.207 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 33474

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.8	38.6
229	19.0	17.0	25.4

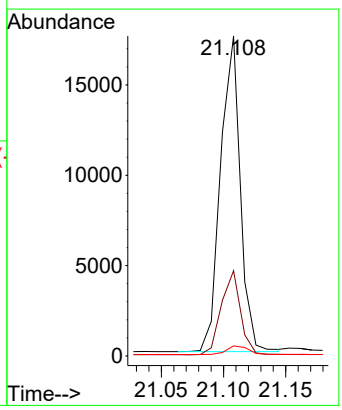


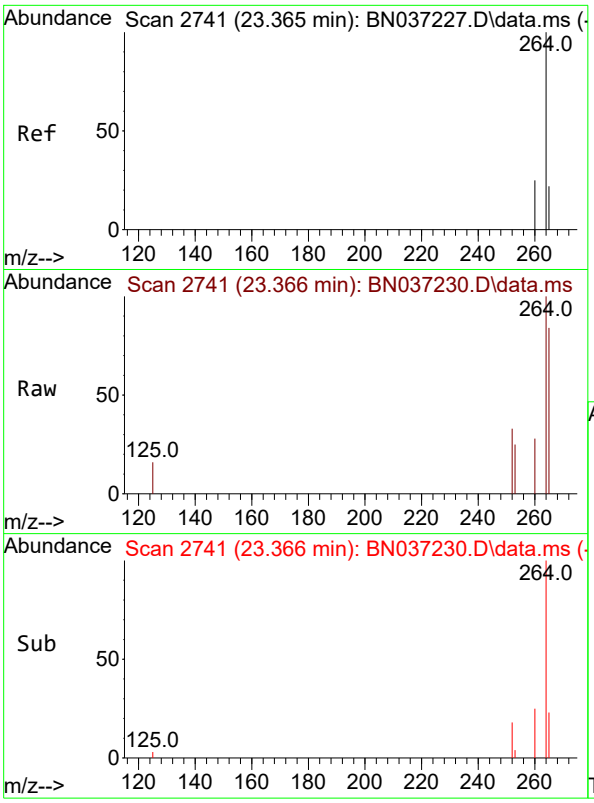


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.996 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:149 Resp: 19300

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.3	31.9
279	3.0	3.3	4.9#



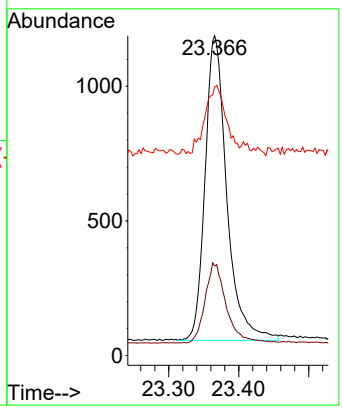


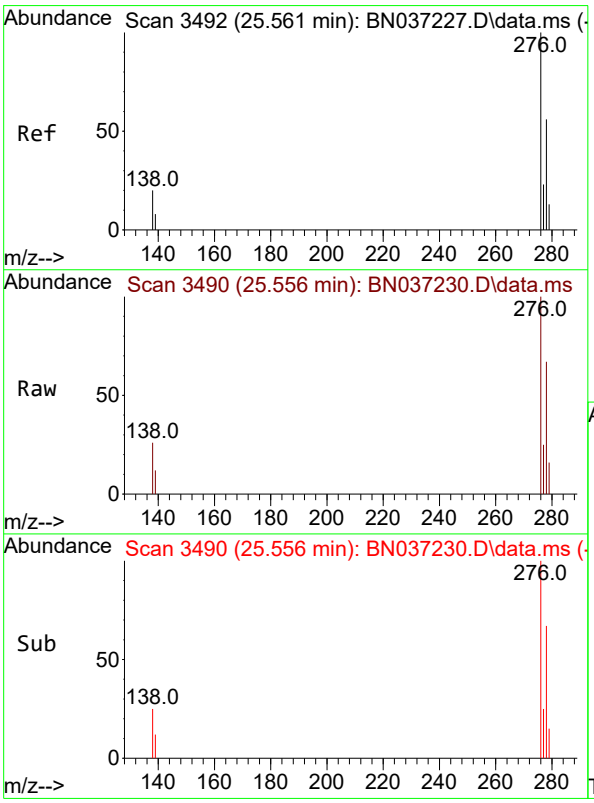
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.366 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 2434

Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.8	34.2
265	83.9	66.4	99.6

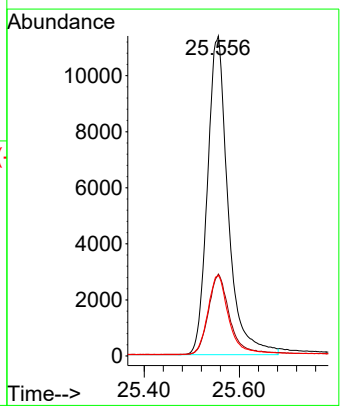


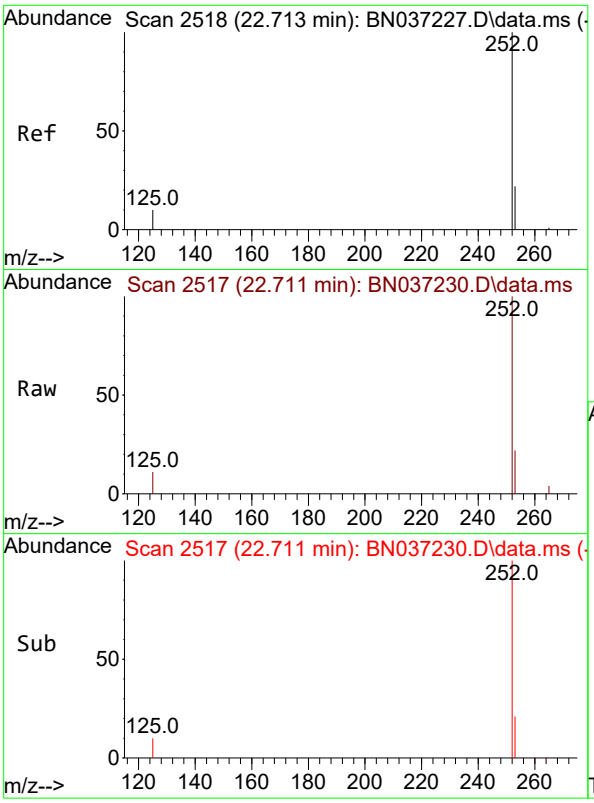


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.486 ng
RT: 25.556 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:276 Resp: 34219

Ion	Ratio	Lower	Upper
276	100		
138	25.9	16.8	25.2#
277	25.3	19.5	29.3



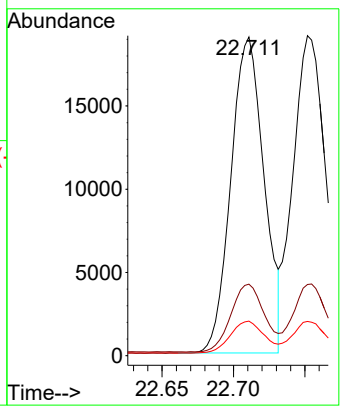


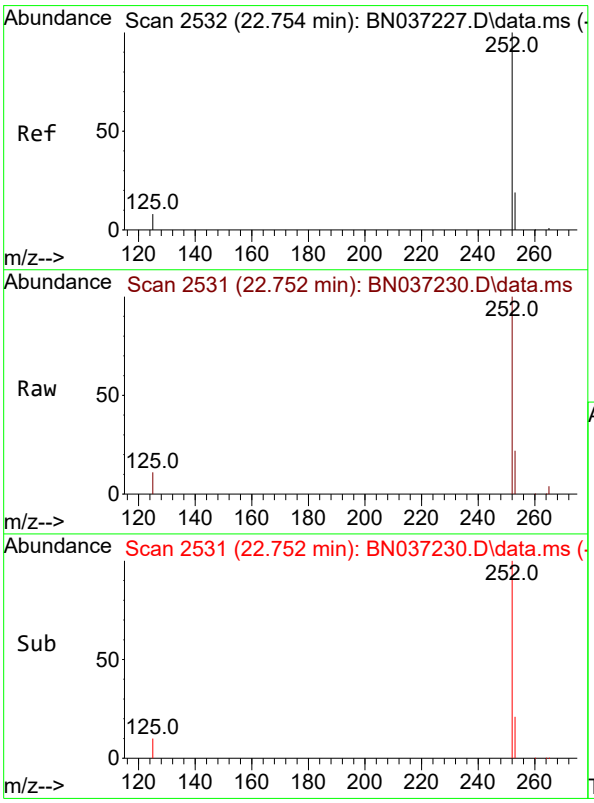
#37
Benzo(b)fluoranthene
Concen: 3.447 ng
RT: 22.711 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 30687

Ion	Ratio	Lower	Upper
252	100		
253	22.5	24.9	37.3#
125	10.8	12.9	19.3#

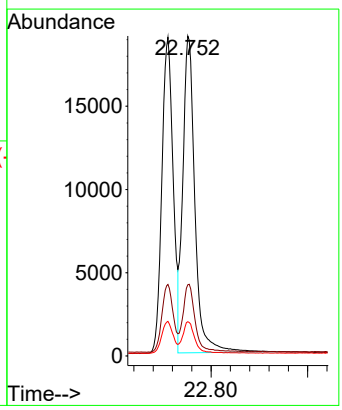


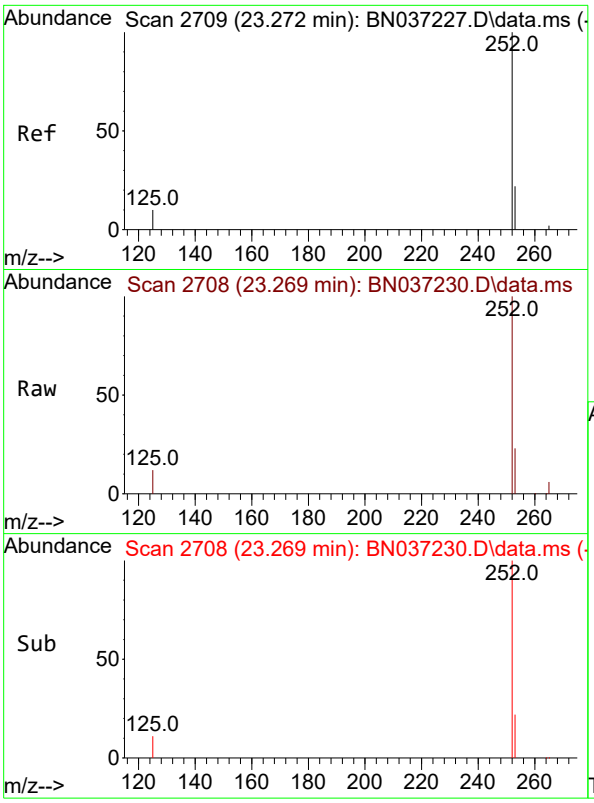


#38
Benzo(k)fluoranthene
Concen: 3.248 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:252 Resp: 33172

Ion	Ratio	Lower	Upper
252	100		
253	22.2	24.6	37.0#
125	10.7	13.4	20.2#



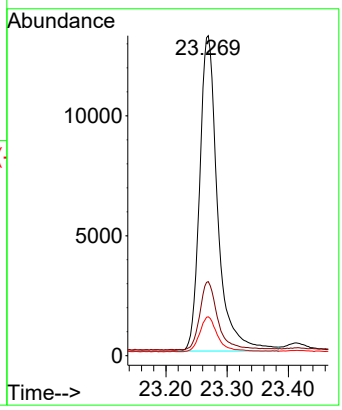


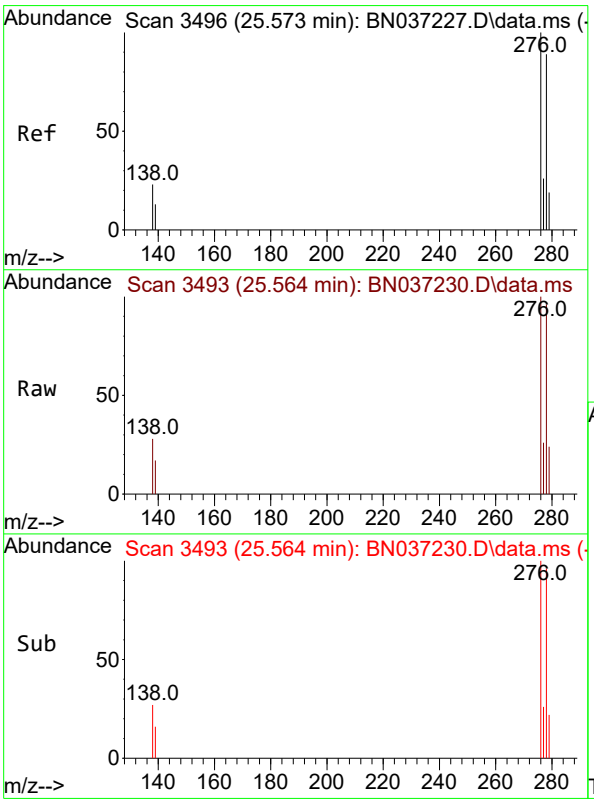
#39
Benzo(a)pyrene
Concen: 3.361 ng
RT: 23.269 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 26918

Ion	Ratio	Lower	Upper
252	100		
253	23.2	29.4	44.2#
125	12.2	16.2	24.2#

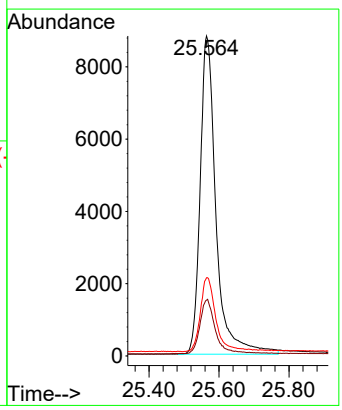


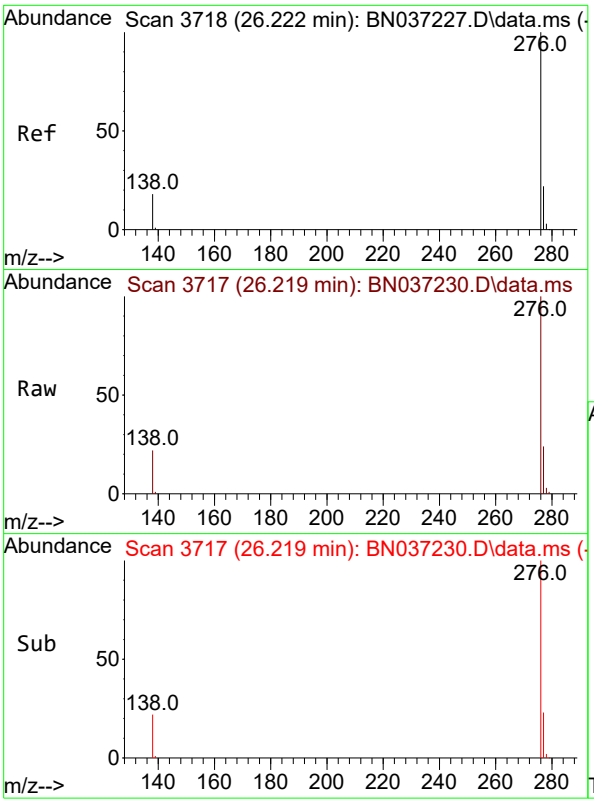


#40
Dibenzo(a,h)anthracene
Concen: 3.751 ng
RT: 25.564 min Scan# 3493
Delta R.T. -0.009 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:278 Resp: 27744

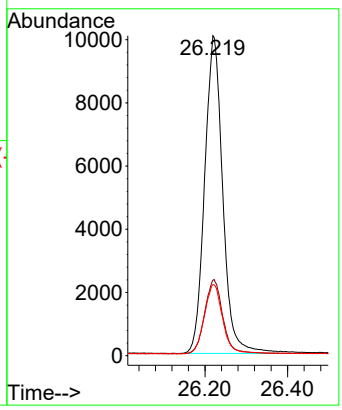
Ion	Ratio	Lower	Upper
278	100		
139	17.4	17.8	26.6#
279	24.5	31.3	46.9#





#41
Benzo(g,h,i)perylene
Concen: 3.350 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 30489

Ion	Ratio	Lower	Upper
276	100		
277	23.6	22.0	33.0
138	22.2	18.4	27.6