Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060225\
Data File : BN037140.D
Acq On : 02 Jun 2025 20:35
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Quant Time: Jun 03 05:42:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 03 05:41:05 2025
Response via : Initial Calibration

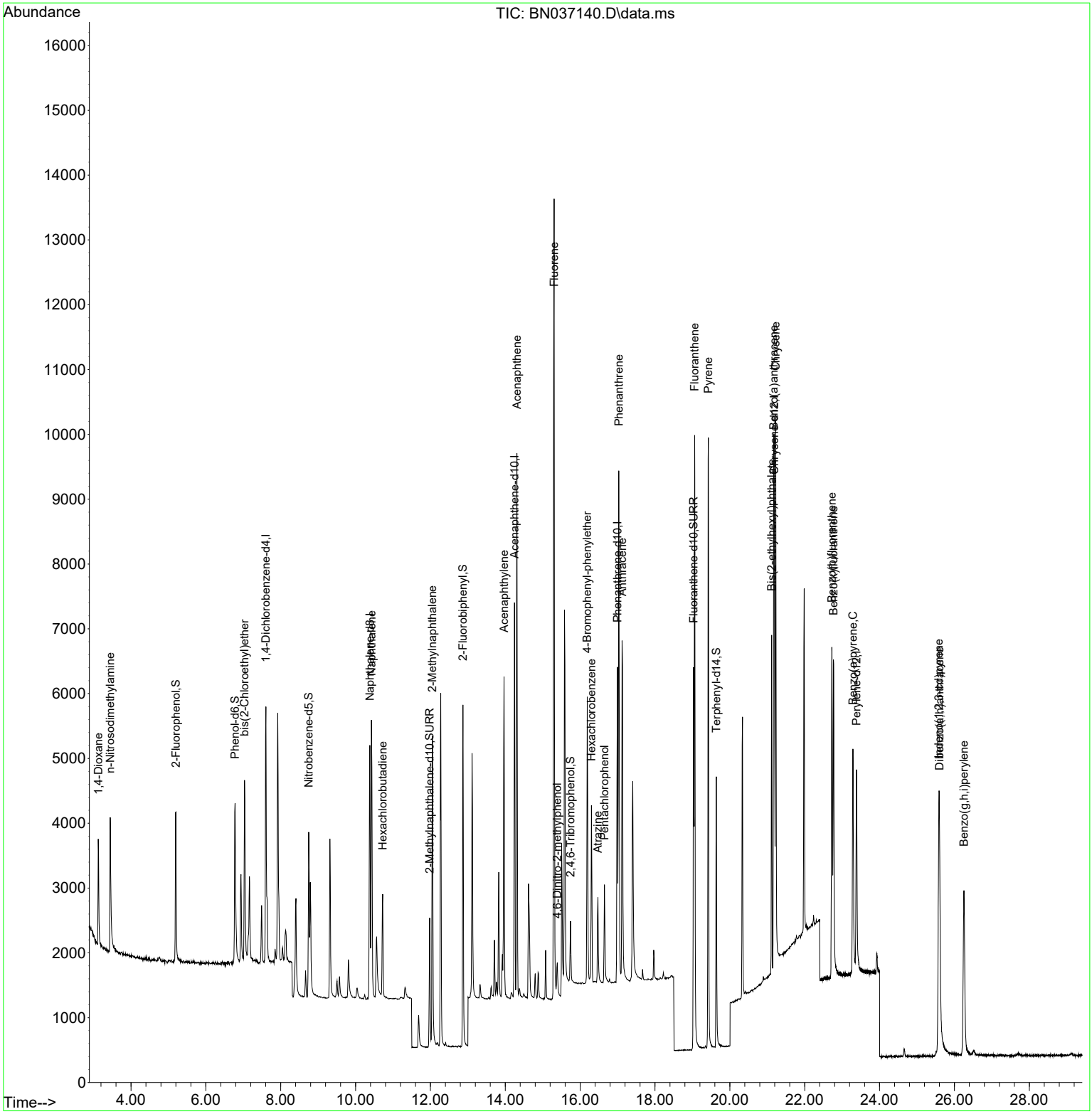
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.604	152	1927	0.400	ng		0.00
7) Naphthalene-d8	10.383	136	5131	0.400	ng		0.00
13) Acenaphthene-d10	14.245	164	3167	0.400	ng		0.00
19) Phenanthrene-d10	16.996	188	6536	0.400	ng		0.00
29) Chrysene-d12	21.189	240	4823	0.400	ng		0.00
35) Perylene-d12	23.383	264	4270	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.199	112	1821	0.379	ng		0.00
5) Phenol-d6	6.781	99	2200	0.368	ng		0.00
8) Nitrobenzene-d5	8.749	82	2148	0.394	ng		0.00
11) 2-Methylnaphthalene-d10	11.981	152	2982	0.407	ng		0.00
14) 2,4,6-Tribromophenol	15.743	330	506	0.340	ng		0.00
15) 2-Fluorobiphenyl	12.868	172	4863	0.371	ng		0.00
27) Fluoranthene-d10	19.031	212	6720	0.380	ng		0.00
31) Terphenyl-d14	19.639	244	4411	0.389	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.126	88	939	0.362	ng		97
3) n-Nitrosodimethylamine	3.444	42	2046	0.405	ng	#	99
6) bis(2-Chloroethyl)ether	7.033	93	2222	0.411	ng		100
9) Naphthalene	10.426	128	5683	0.385	ng		99
10) Hexachlorobutadiene	10.725	225	1288	0.407	ng	#	98
12) 2-Methylnaphthalene	12.052	142	3589	0.367	ng		99
16) Acenaphthylene	13.967	152	5344	0.347	ng		100
17) Acenaphthene	14.309	154	3629	0.362	ng		99
18) Fluorene	15.304	166	4899	0.356	ng		99
20) 4,6-Dinitro-2-methylph...	15.389	198	465	0.391	ng	#	78
21) 4-Bromophenyl-phenylether	16.189	248	1558	0.376	ng	#	62
22) Hexachlorobenzene	16.301	284	1748	0.386	ng		98
23) Atrazine	16.475	200	1319	0.352	ng		98
24) Pentachlorophenol	16.649	266	766	0.311	ng		99
25) Phenanthrene	17.034	178	7711	0.365	ng		99
26) Anthracene	17.120	178	6725	0.346	ng		99
28) Fluoranthene	19.059	202	8737	0.350	ng		99
30) Pyrene	19.426	202	8760	0.384	ng		100
32) Benzo(a)anthracene	21.171	228	6260	0.358	ng		99
33) Chrysene	21.224	228	7296	0.375	ng		99
34) Bis(2-ethylhexyl)phtha...	21.117	149	4373	0.350	ng		100
36) Indeno(1,2,3-cd)pyrene	25.585	276	5841	0.373	ng		98
37) Benzo(b)fluoranthene	22.725	252	6369	0.364	ng		97
38) Benzo(k)fluoranthene	22.769	252	6539	0.373	ng		99
39) Benzo(a)pyrene	23.287	252	5310	0.367	ng		97
40) Dibenzo(a,h)anthracene	25.599	278	4371	0.373	ng		99
41) Benzo(g,h,i)perylene	26.254	276	5153	0.368	ng		98

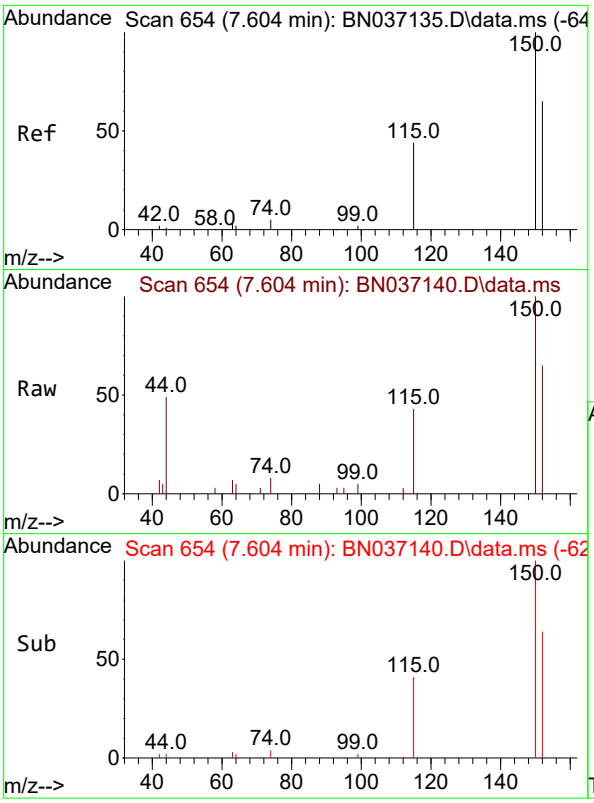
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060225\
Data File : BN037140.D
Acq On : 02 Jun 2025 20:35
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Quant Time: Jun 03 05:42:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 03 05:41:05 2025
Response via : Initial Calibration



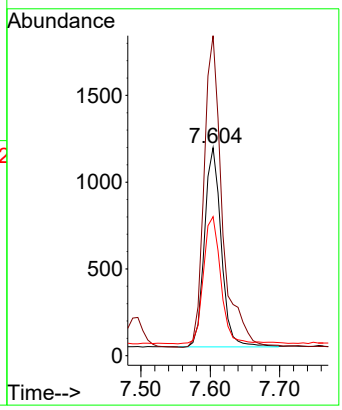


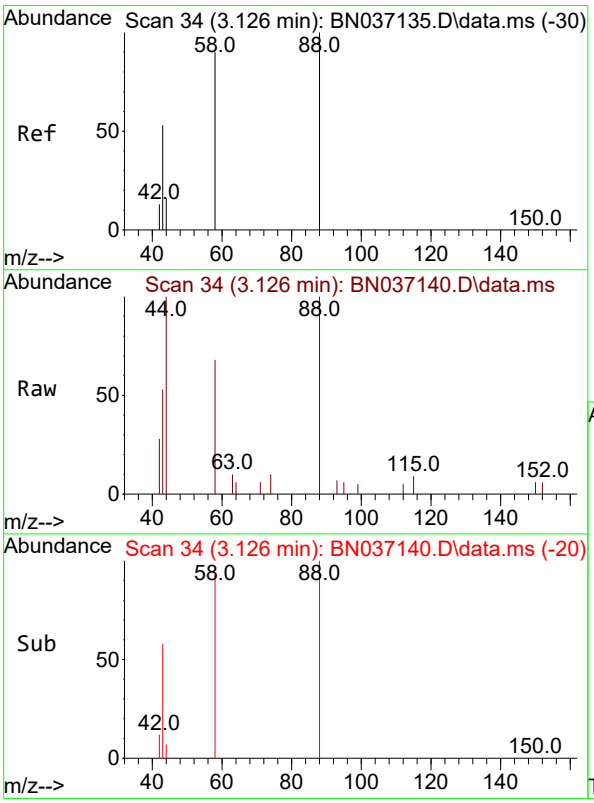
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.604 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:152 Resp: 1927

Ion	Ratio	Lower	Upper
152	100		
150	153.8	120.6	180.8
115	66.8	56.6	85.0

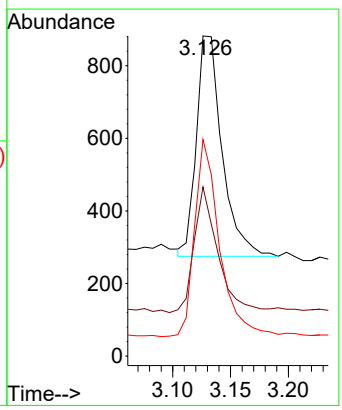


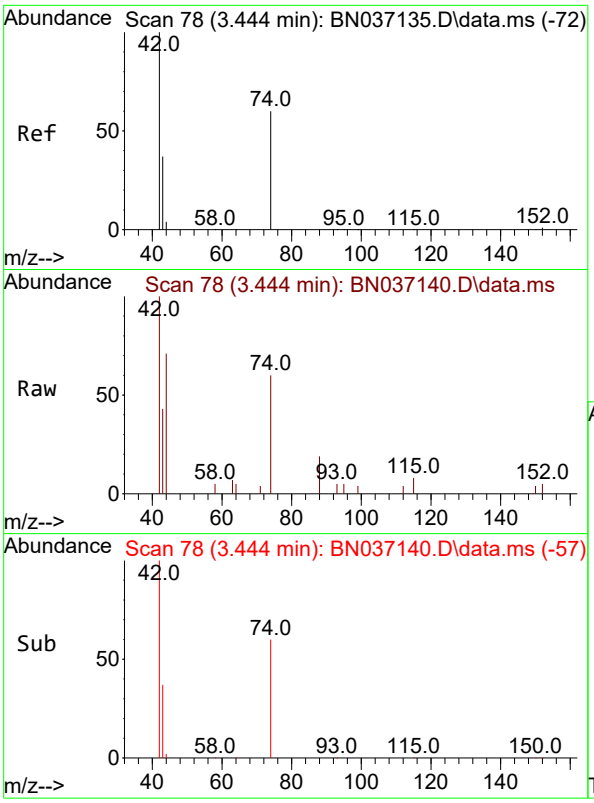


#2
1,4-Dioxane
Concen: 0.362 ng
RT: 3.126 min Scan# 34
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion: 88 Resp: 939

Ion	Ratio	Lower	Upper
88	100		
43	52.9	41.6	62.4
58	86.6	65.8	98.8



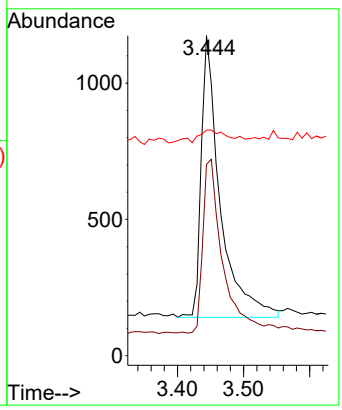


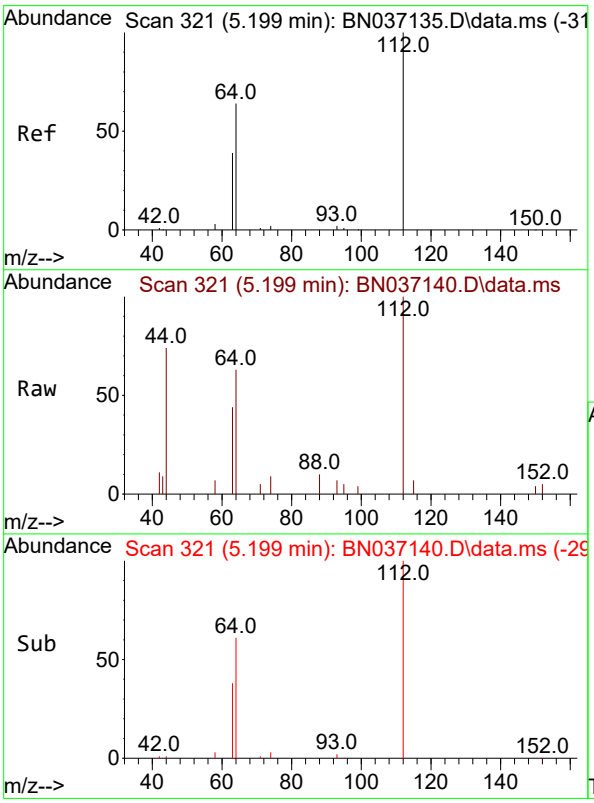
#3
n-Nitrosodimethylamine
Concen: 0.405 ng
RT: 3.444 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion: 42 Resp: 2046

Ion	Ratio	Lower	Upper
42	100		
74	66.0	53.0	79.4
44	7.0	7.2	10.8#

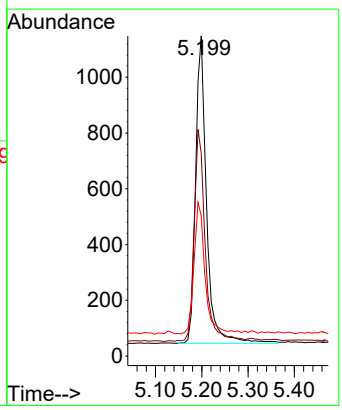


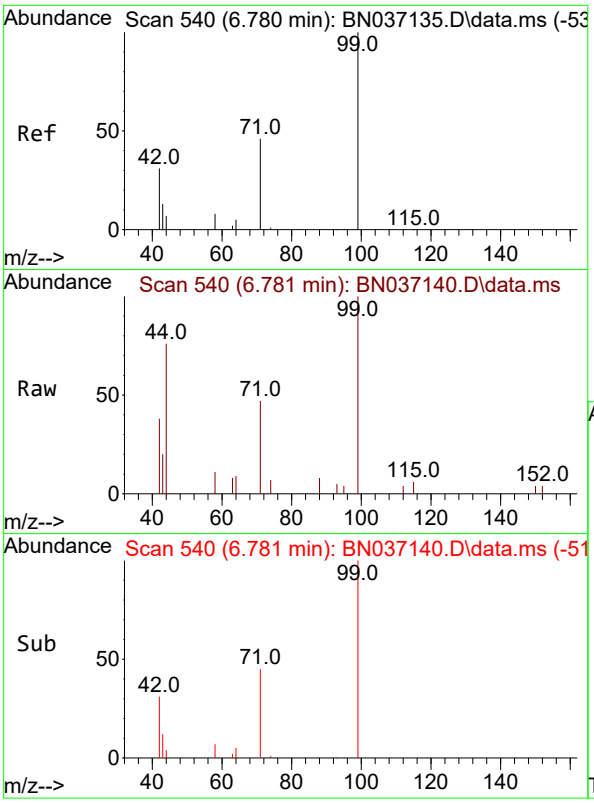


#4
2-Fluorophenol
Concen: 0.379 ng
RT: 5.199 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:112 Resp: 1821

Ion	Ratio	Lower	Upper
112	100		
64	69.4	56.0	84.0
63	42.9	37.0	55.4



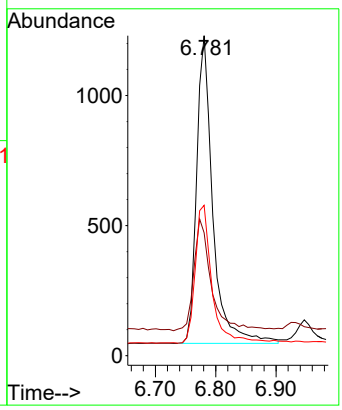


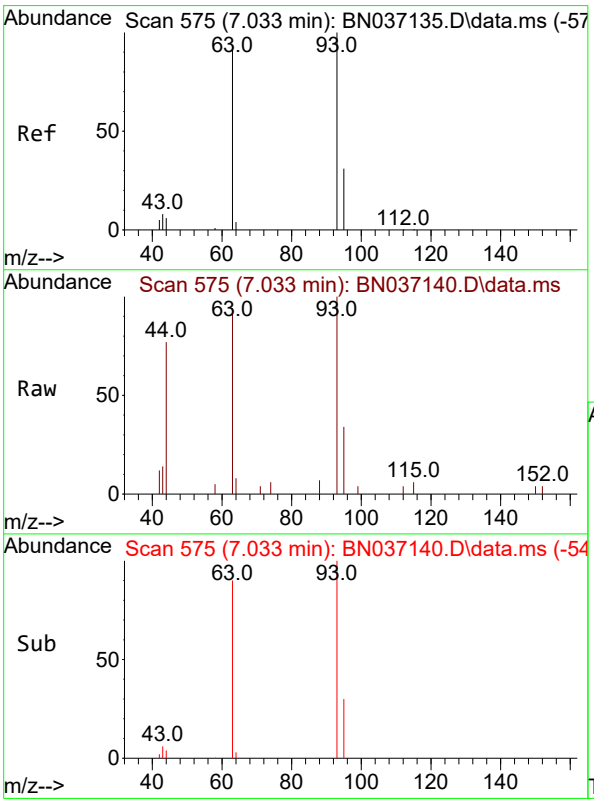
#5
Phenol-d6
Concen: 0.368 ng
RT: 6.781 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion: 99 Resp: 2200

Ion	Ratio	Lower	Upper
99	100		
42	39.2	30.5	45.7
71	46.2	39.1	58.7

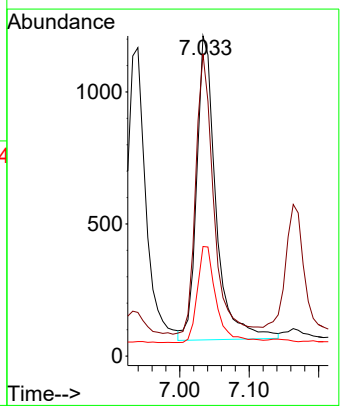


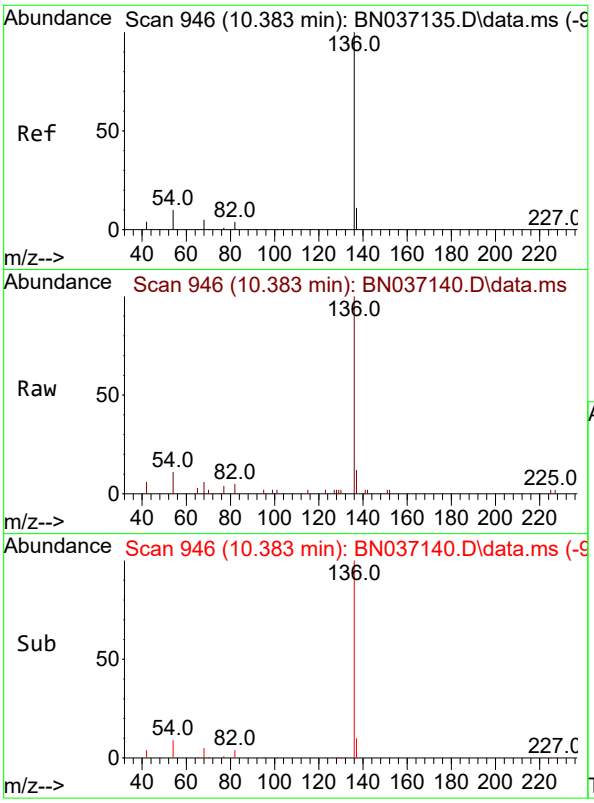


#6
bis(2-Chloroethyl)ether
Concen: 0.411 ng
RT: 7.033 min Scan# 575
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion: 93 Resp: 2222

Ion	Ratio	Lower	Upper
93	100		
63	85.3	68.4	102.6
95	31.0	24.2	36.4



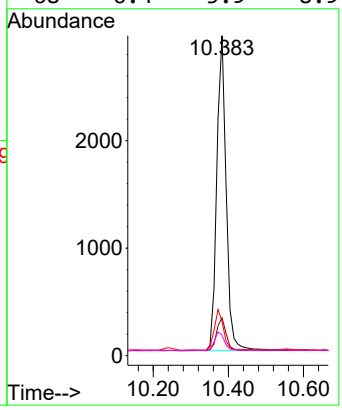


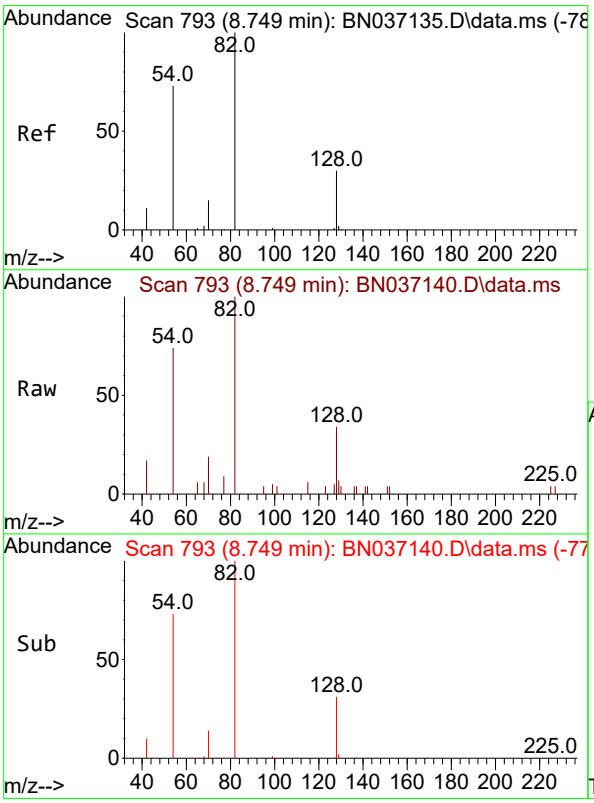
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.383 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:136 Resp: 5131

Ion	Ratio	Lower	Upper
136	100		
137	11.9	10.3	15.5
54	10.7	9.9	14.9
68	6.4	5.9	8.9

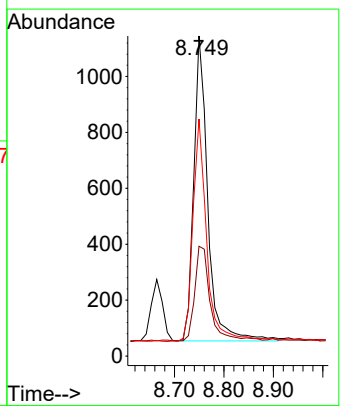


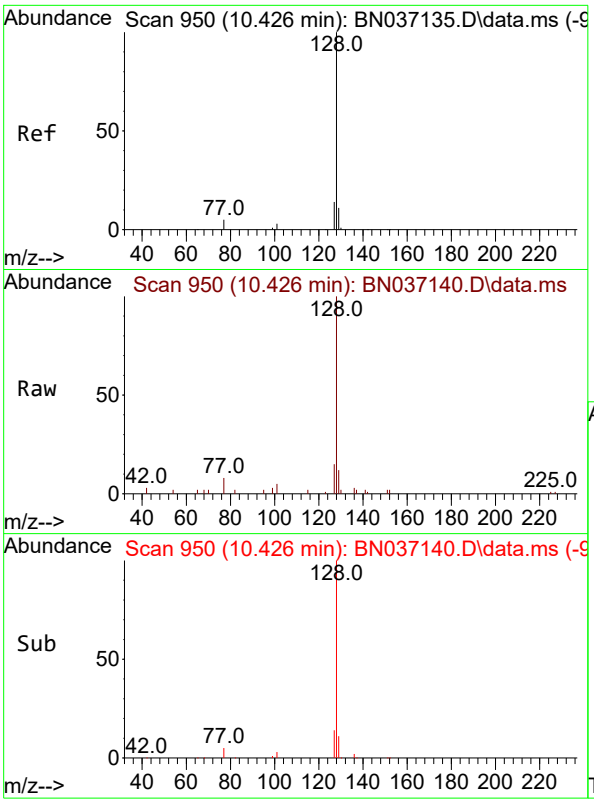


#8
Nitrobenzene-d5
Concen: 0.394 ng
RT: 8.749 min Scan# 793
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion: 82 Resp: 2148

Ion	Ratio	Lower	Upper
82	100		
128	34.3	28.2	42.2
54	74.1	60.2	90.2



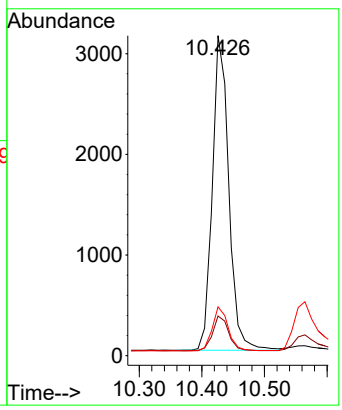


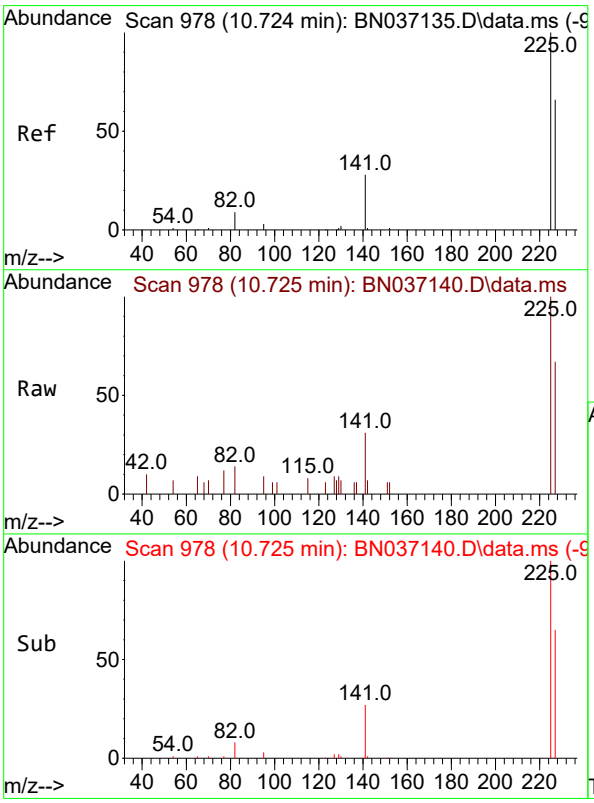
#9
Naphthalene
Concen: 0.385 ng
RT: 10.426 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:128 Resp: 5683

Ion	Ratio	Lower	Upper
128	100		
129	12.4	10.2	15.4
127	15.3	12.6	18.8

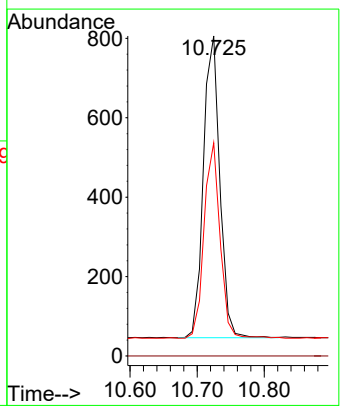


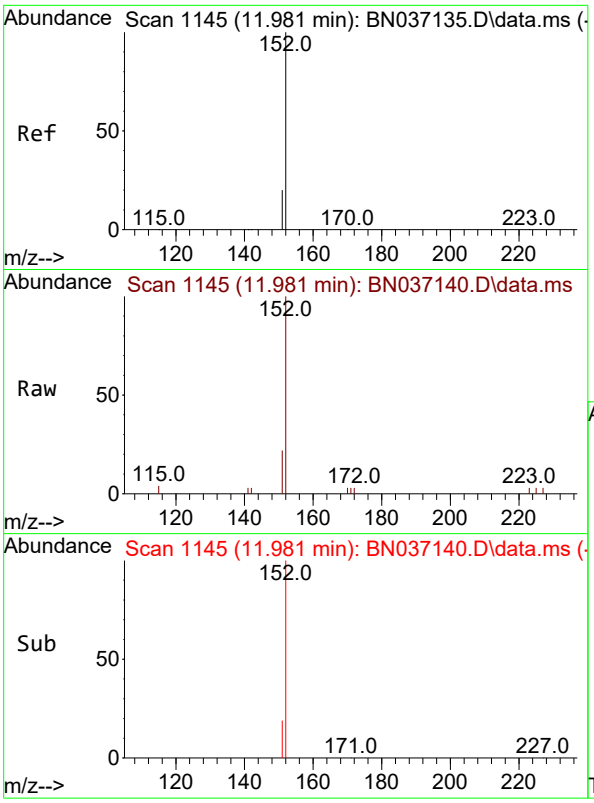


#10
Hexachlorobutadiene
Concen: 0.407 ng
RT: 10.725 min Scan# 978
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:225 Resp: 1288

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.8	77.8



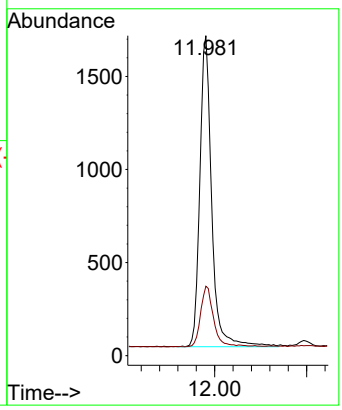


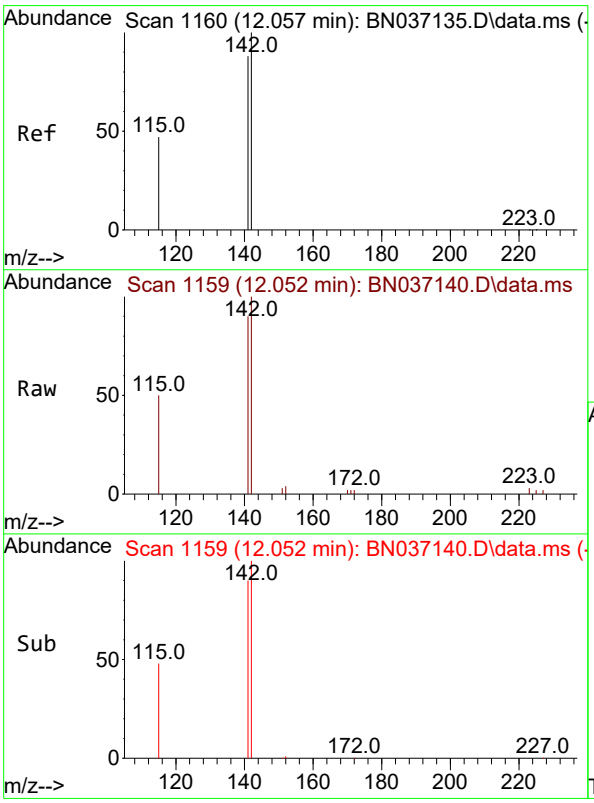
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 11.981 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:152 Resp: 2982

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.8	26.6

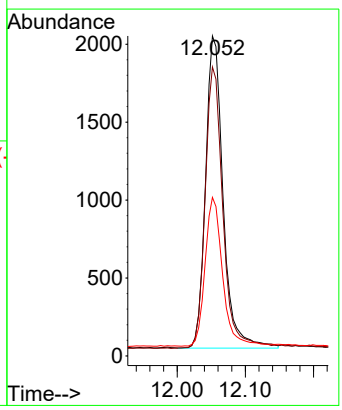


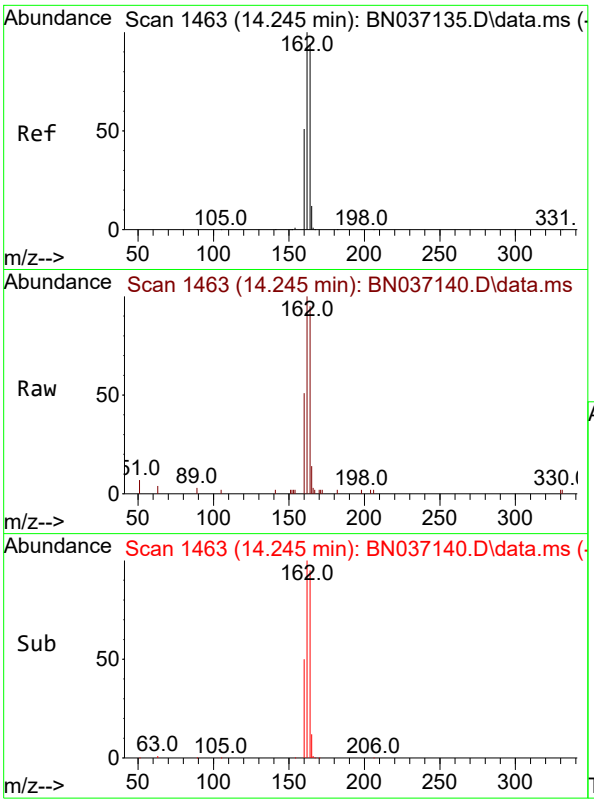


#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 12.052 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:142 Resp: 3589

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.6	106.0
115	49.5	39.7	59.5



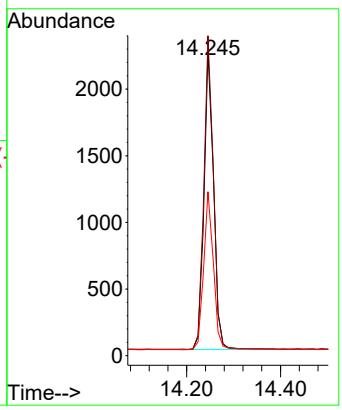


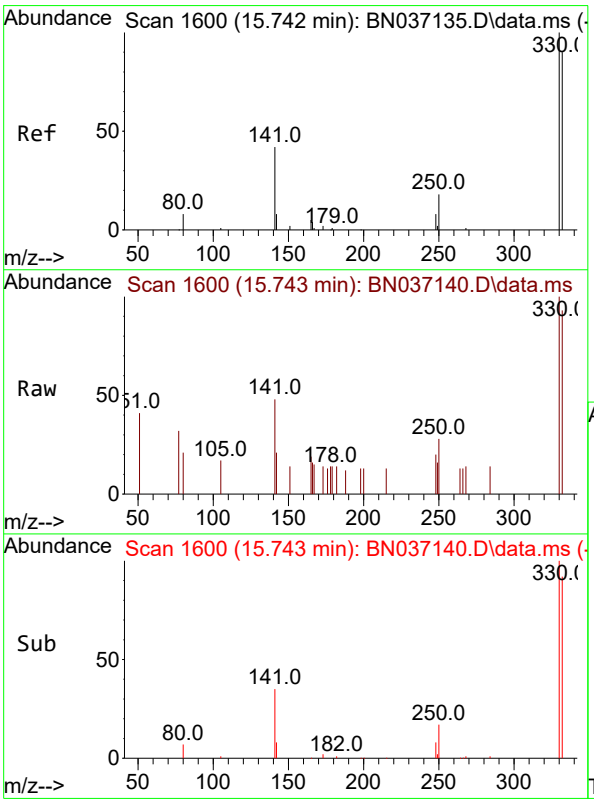
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.245 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:164 Resp: 3167

Ion	Ratio	Lower	Upper
164	100		
162	105.3	85.1	127.7
160	53.9	44.2	66.4

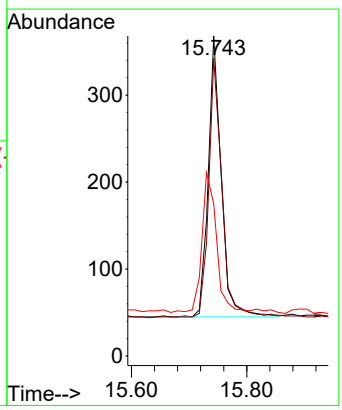


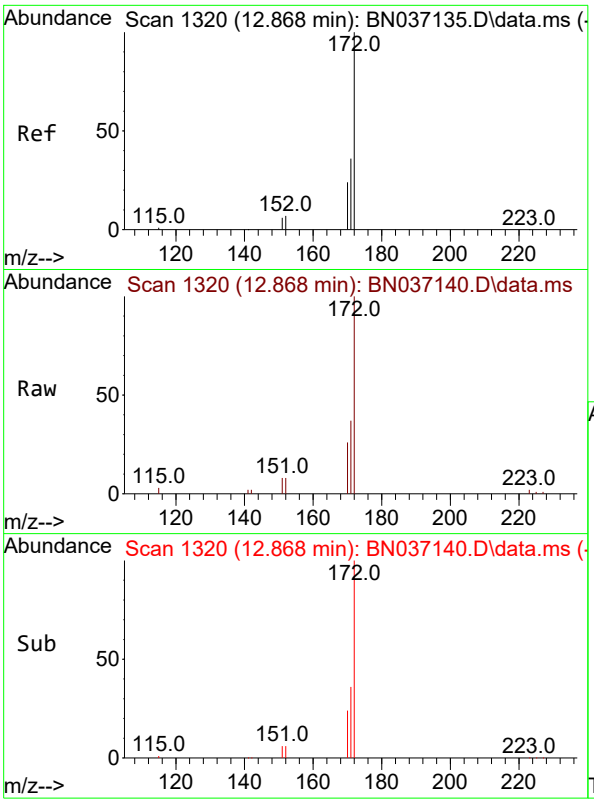


#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.743 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:330 Resp: 506

Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.6	115.0
141	55.5	47.3	70.9



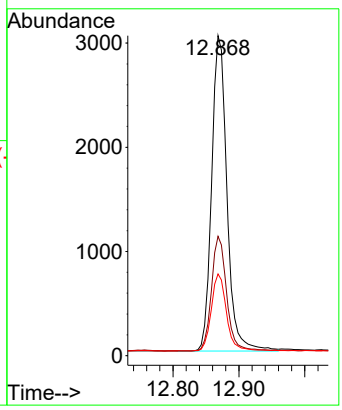


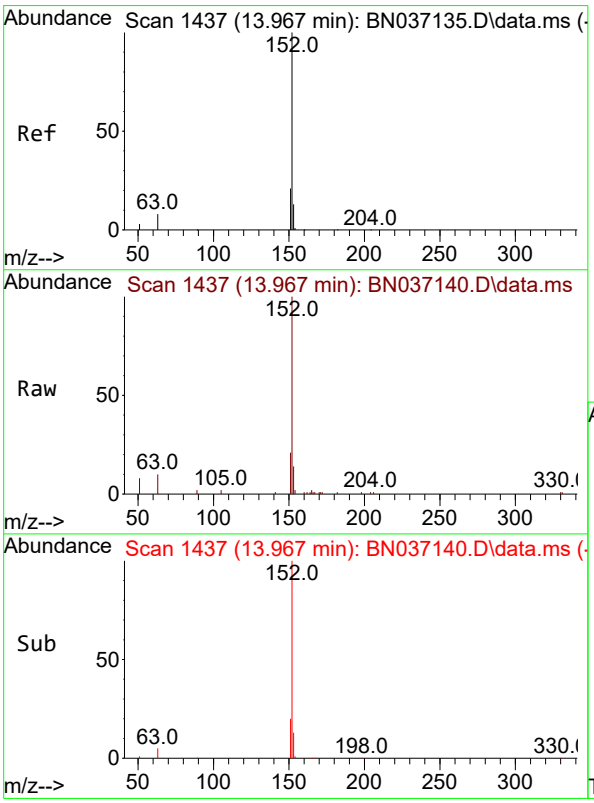
#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 12.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:172 Resp: 4863

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.9	44.9
170	25.6	20.5	30.7

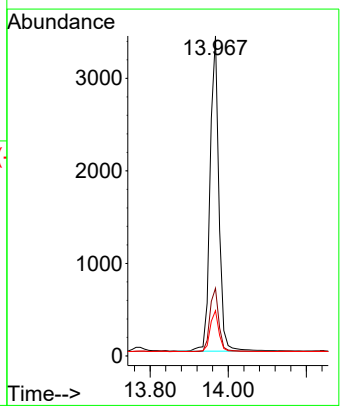


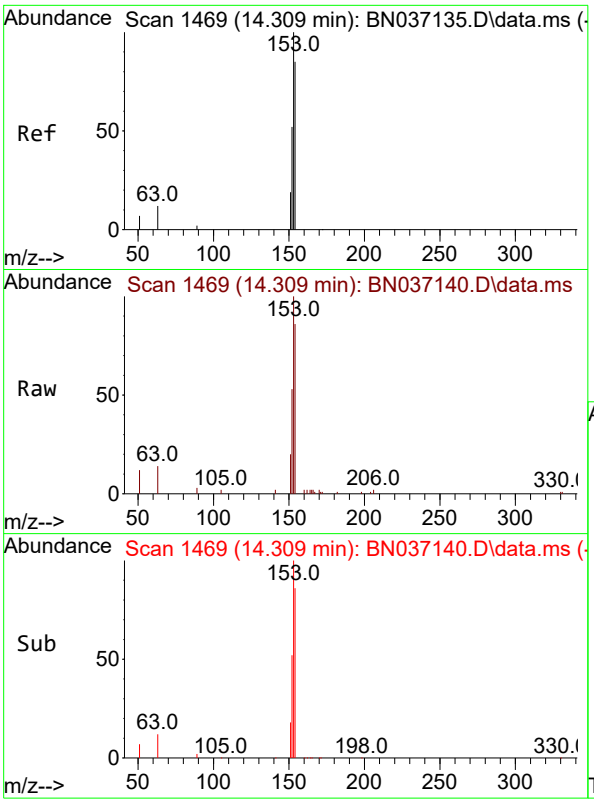


#16
Acenaphthylene
Concen: 0.347 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:152 Resp: 5344

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.1	10.5	15.7



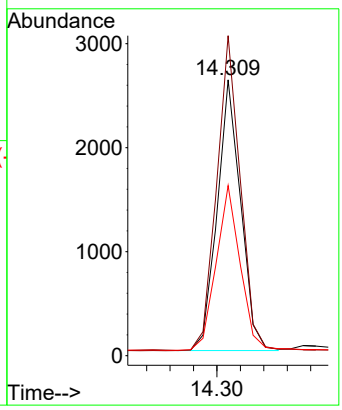


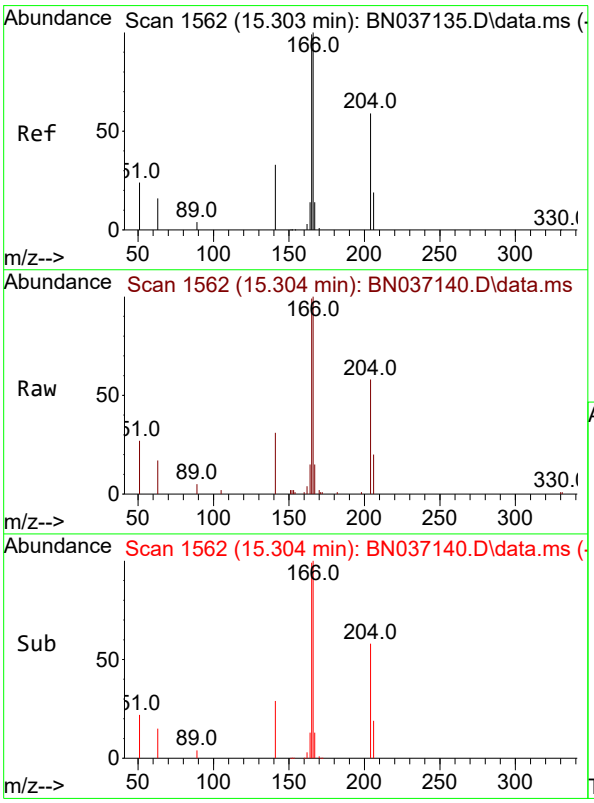
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.309 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:154 Resp: 3629

Ion	Ratio	Lower	Upper
154	100		
153	117.4	95.4	143.2
152	62.9	50.6	75.8

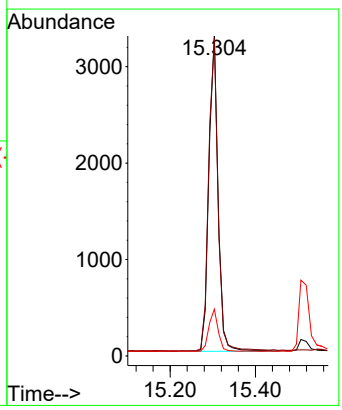


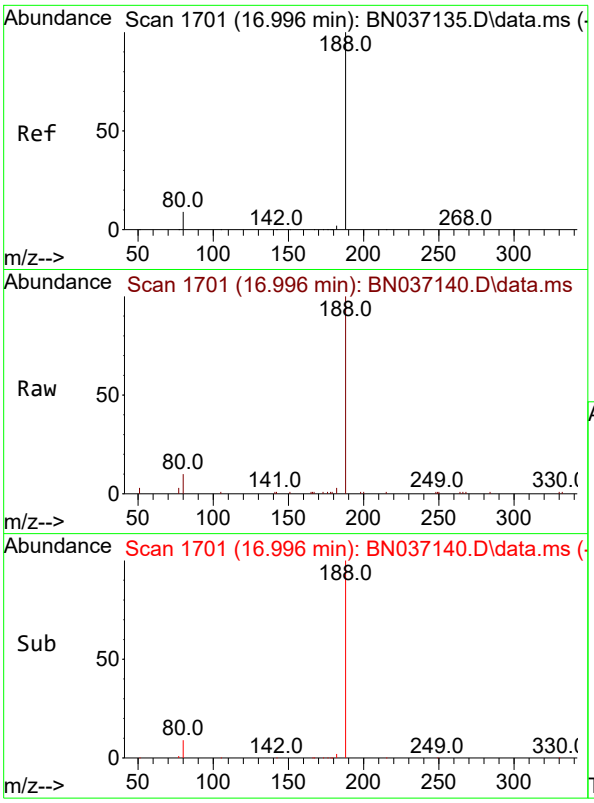


#18
Fluorene
Concen: 0.356 ng
RT: 15.304 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:166 Resp: 4899

Ion	Ratio	Lower	Upper
166	100		
165	100.8	81.4	122.0
167	13.5	10.9	16.3



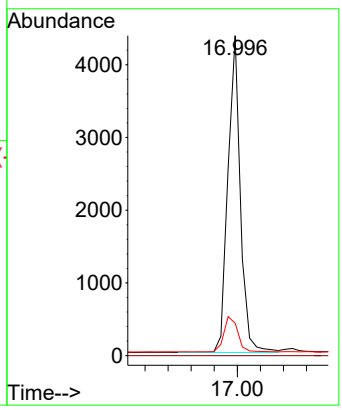


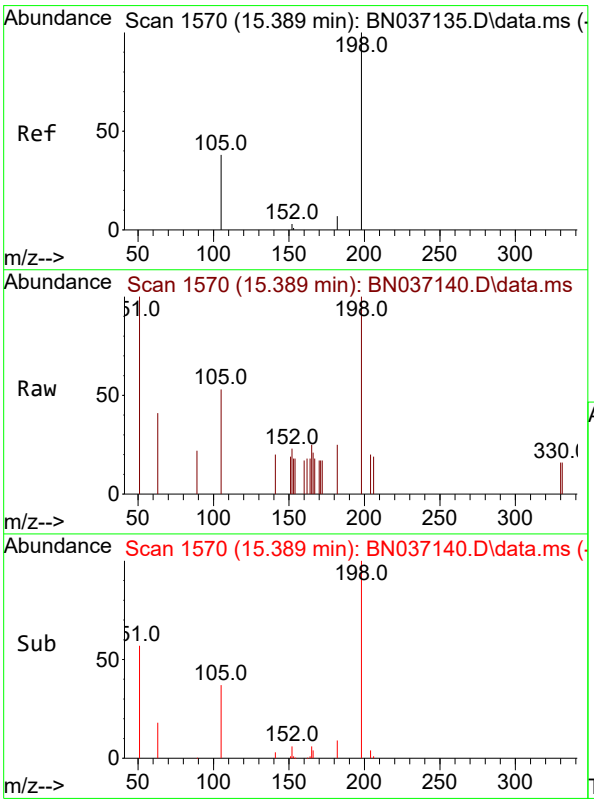
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:188 Resp: 6536

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	8.4	12.6

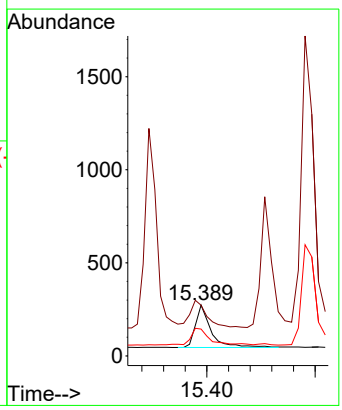


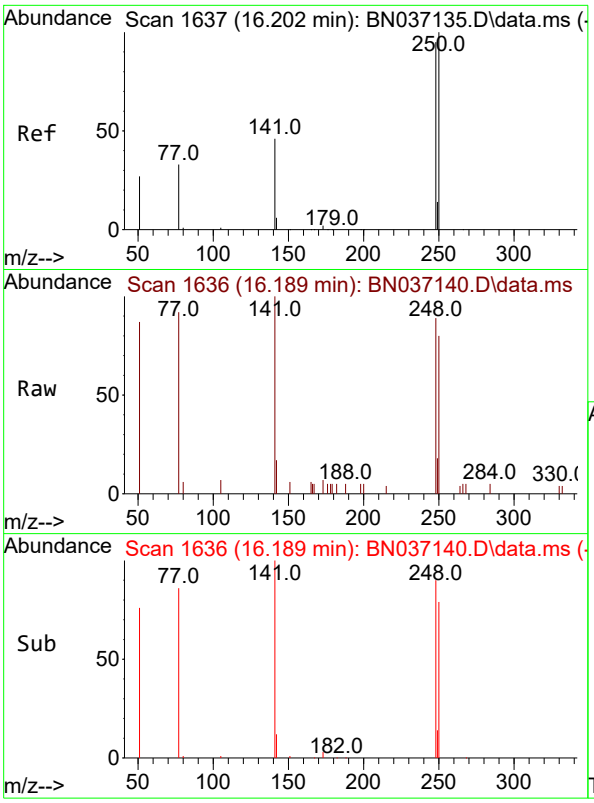


#20
4,6-Dinitro-2-methylphenol
Concen: 0.391 ng
RT: 15.389 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:198 Resp: 465

Ion	Ratio	Lower	Upper
198	100		
51	99.6	109.0	163.6#
105	52.7	43.0	64.4



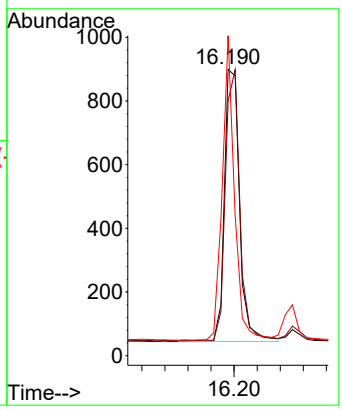


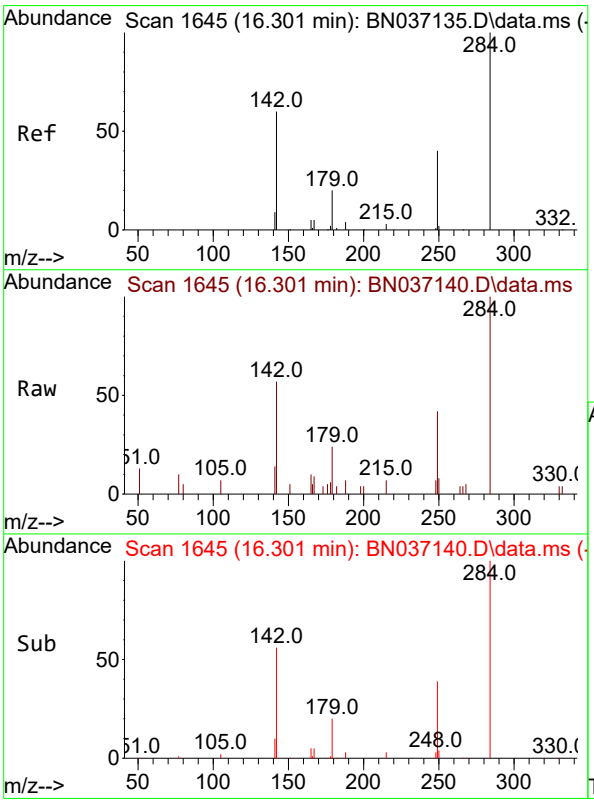
#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 16.189 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:248 Resp: 1558

Ion	Ratio	Lower	Upper
248	100		
250	89.0	83.8	125.6
141	111.8	41.9	62.9#

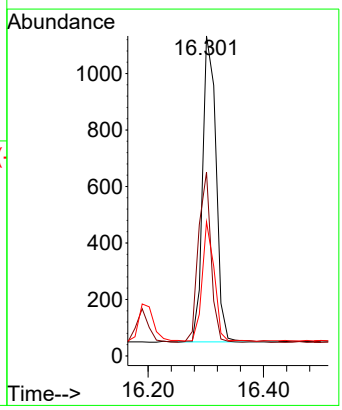


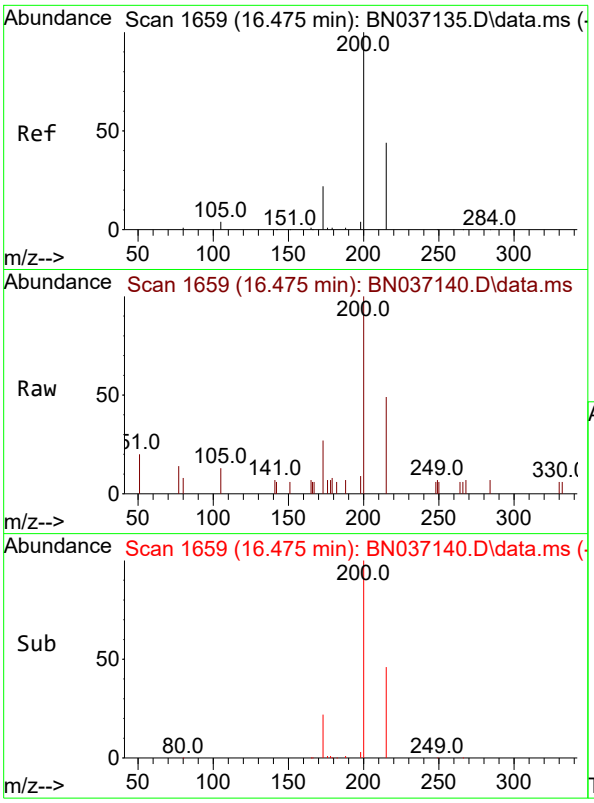


#22
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.301 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:284 Resp: 1748

Ion	Ratio	Lower	Upper
284	100		
142	52.1	43.0	64.6
249	35.2	29.4	44.0



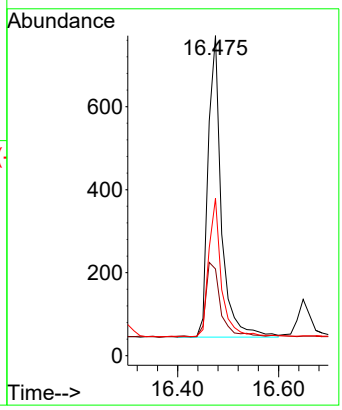


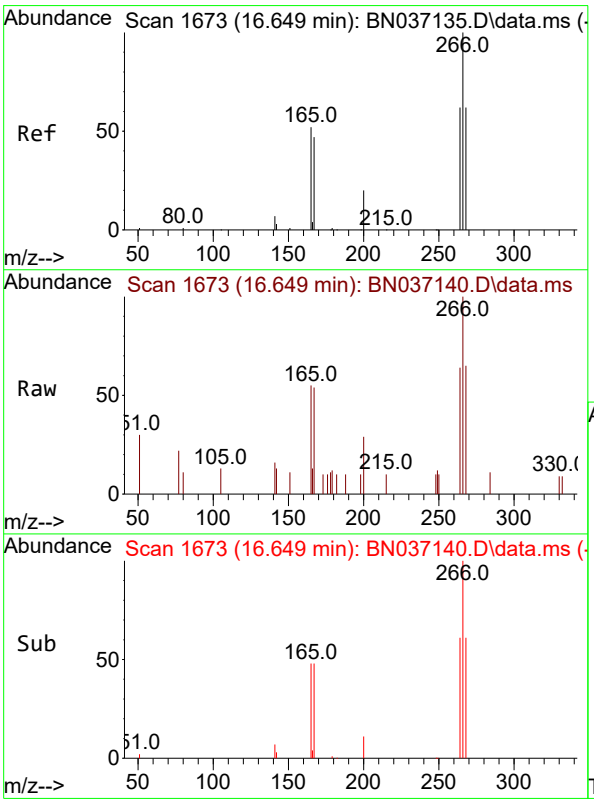
#23
Atrazine
Concen: 0.352 ng
RT: 16.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:200 Resp: 1319

Ion	Ratio	Lower	Upper
200	100		
173	27.1	22.3	33.5
215	49.2	38.3	57.5

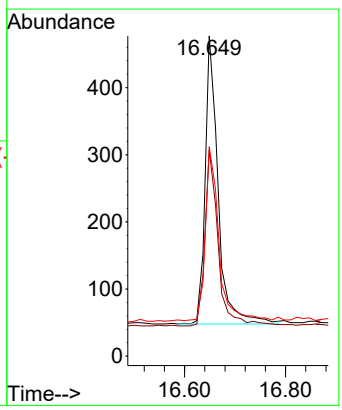


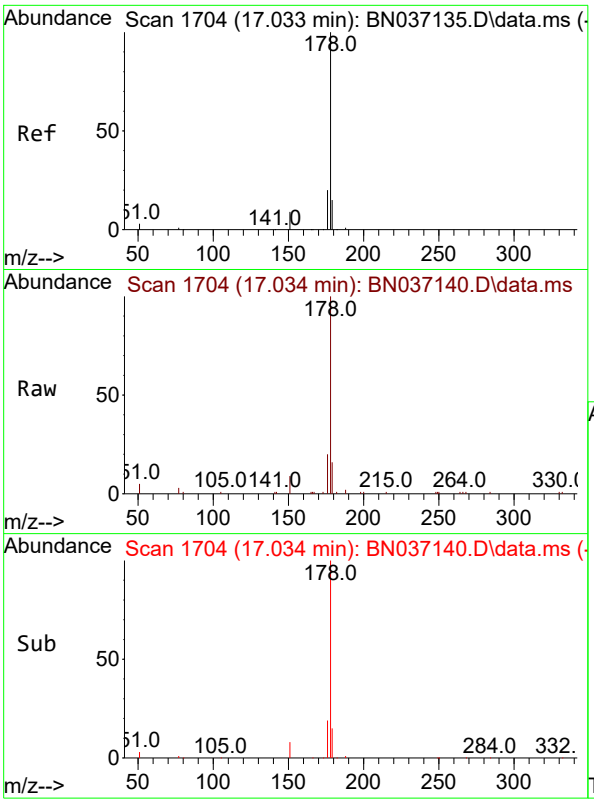


#24
Pentachlorophenol
Concen: 0.311 ng
RT: 16.649 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:266 Resp: 766

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.0	73.4
268	64.4	51.6	77.4



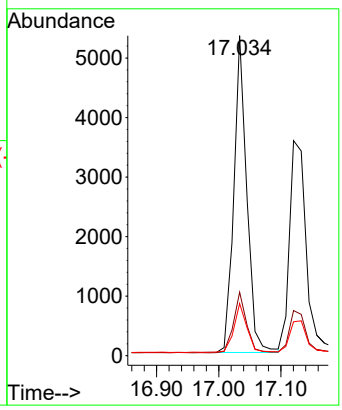


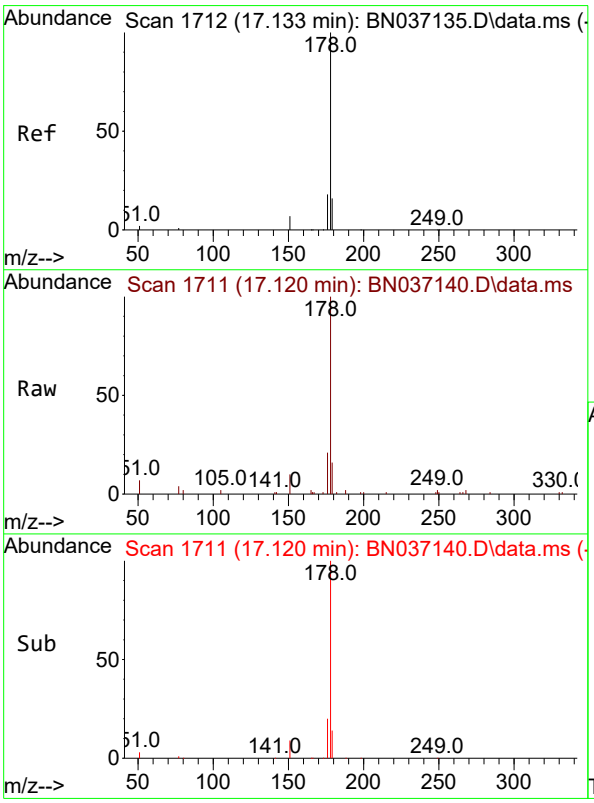
#25
Phenanthrene
Concen: 0.365 ng
RT: 17.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:178 Resp: 7711

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.1	24.1
179	15.7	12.4	18.6

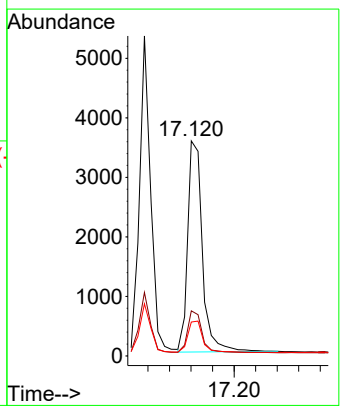


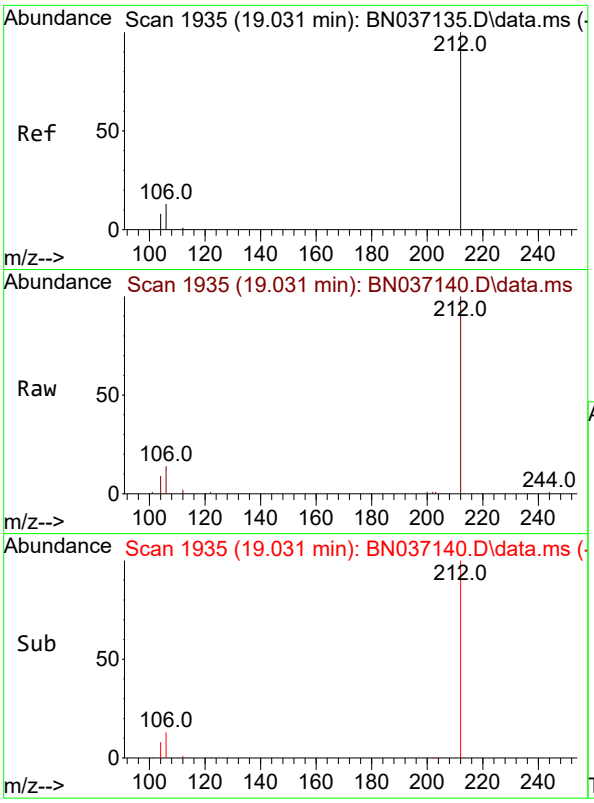


#26
Anthracene
Concen: 0.346 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:178 Resp: 6725

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.0	22.4
179	15.1	12.3	18.5



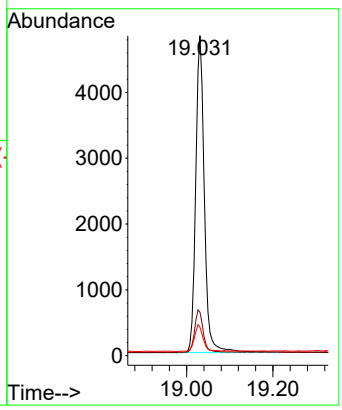


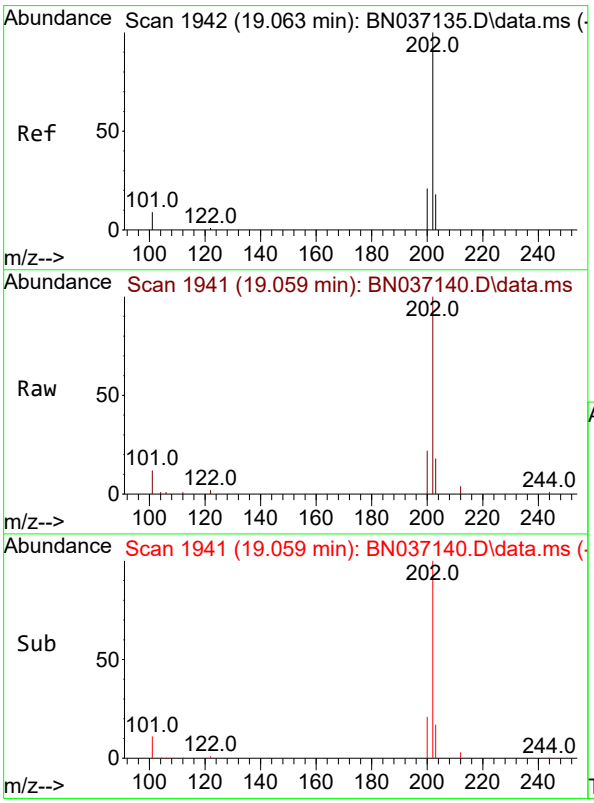
#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.031 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:212 Resp: 6720

Ion	Ratio	Lower	Upper
212	100		
106	13.3	10.8	16.2
104	8.5	6.8	10.2

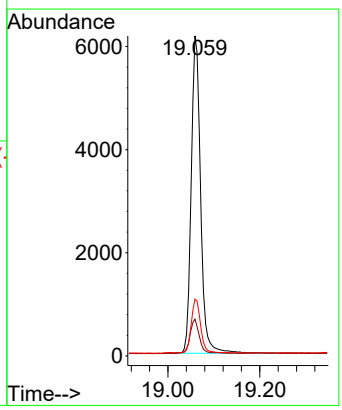


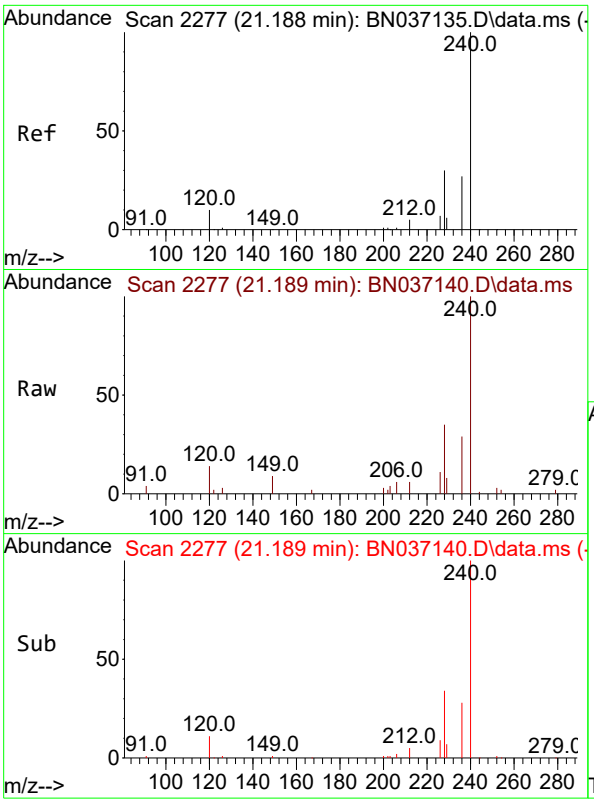


#28
Fluoranthene
Concen: 0.350 ng
RT: 19.059 min Scan# 1941
Delta R.T. -0.004 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:202 Resp: 8737

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.4	12.6
203	16.7	13.6	20.4



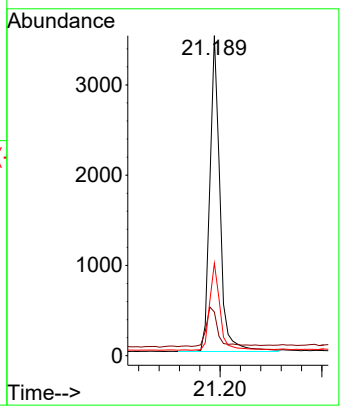


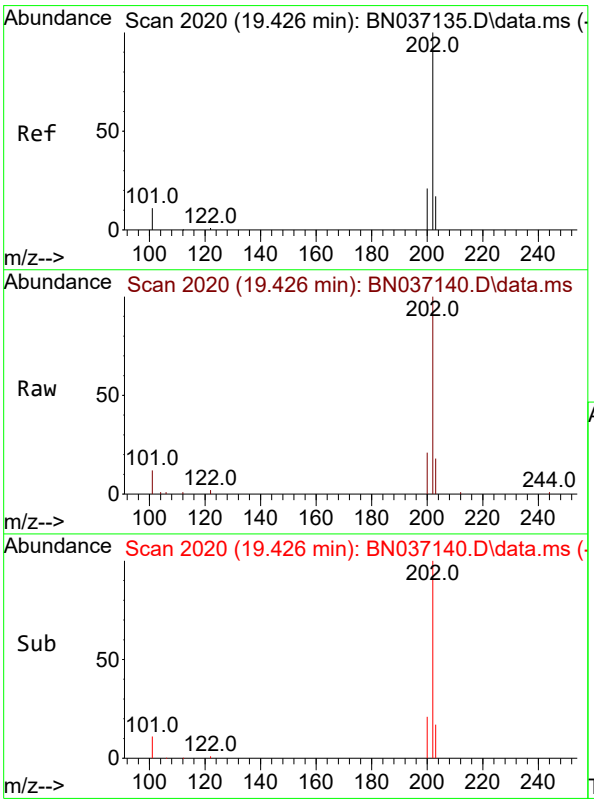
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:240 Resp: 4823

Ion	Ratio	Lower	Upper
240	100		
120	13.7	10.5	15.7
236	28.9	23.0	34.6

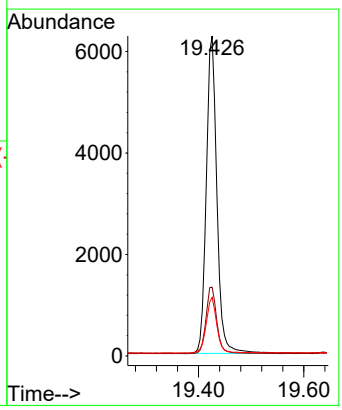


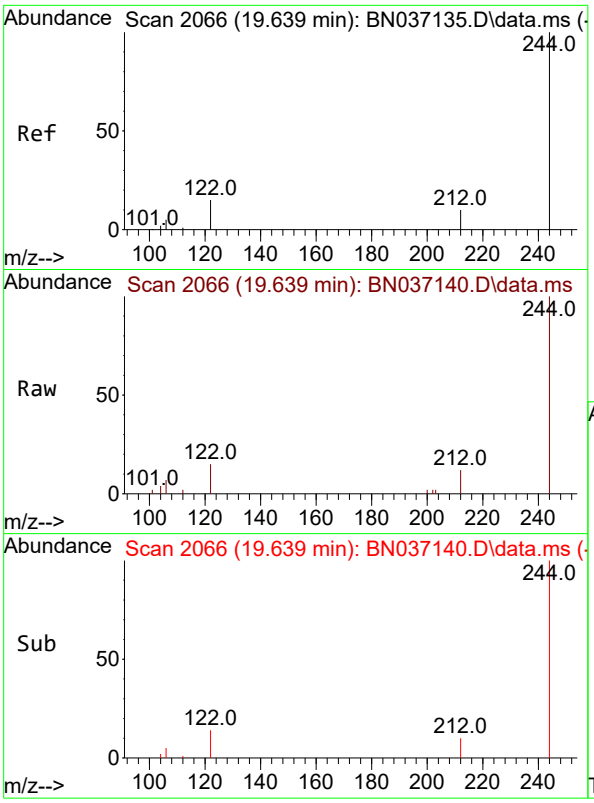


#30
Pyrene
Concen: 0.384 ng
RT: 19.426 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:202 Resp: 8760

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.8	14.2	21.4



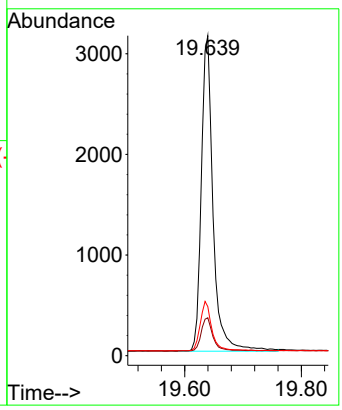


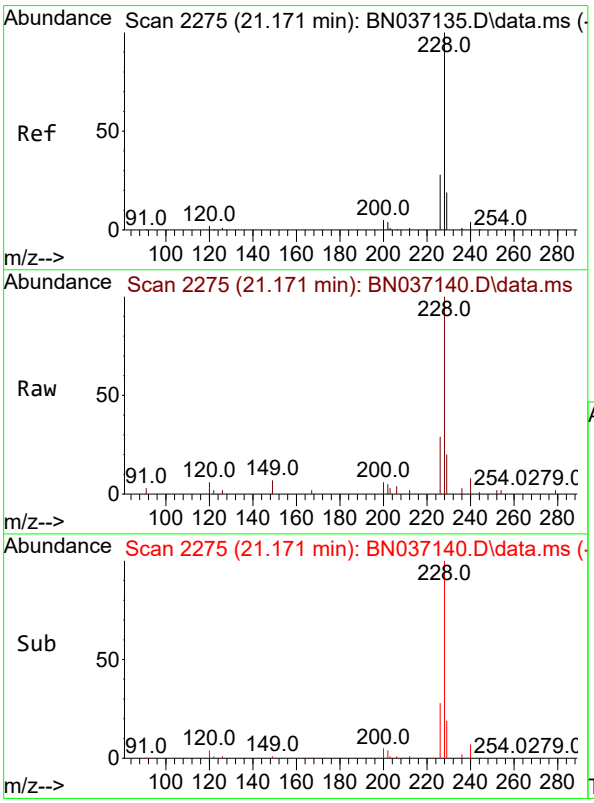
#31
Terphenyl-d14
Concen: 0.389 ng
RT: 19.639 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:244 Resp: 4411

Ion	Ratio	Lower	Upper
244	100		
212	11.9	9.2	13.8
122	15.4	13.2	19.8

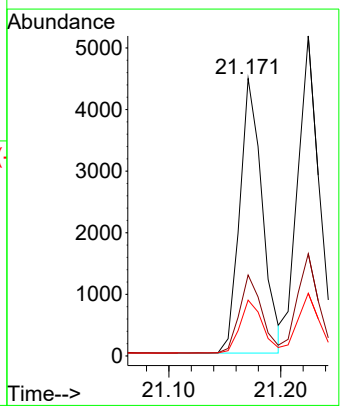


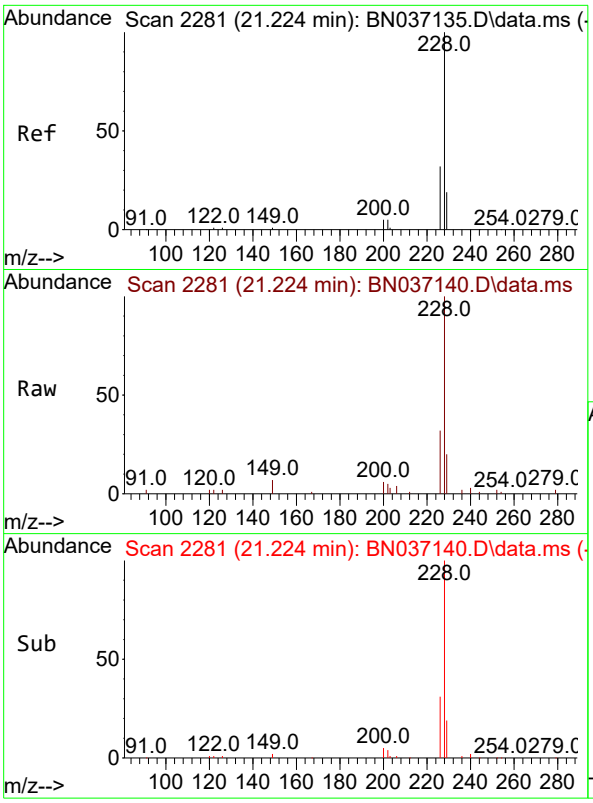


#32
Benzo(a)anthracene
Concen: 0.358 ng
RT: 21.171 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:228 Resp: 6260

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.0	34.4
229	20.1	15.8	23.8



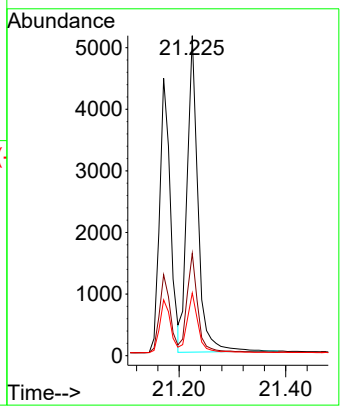


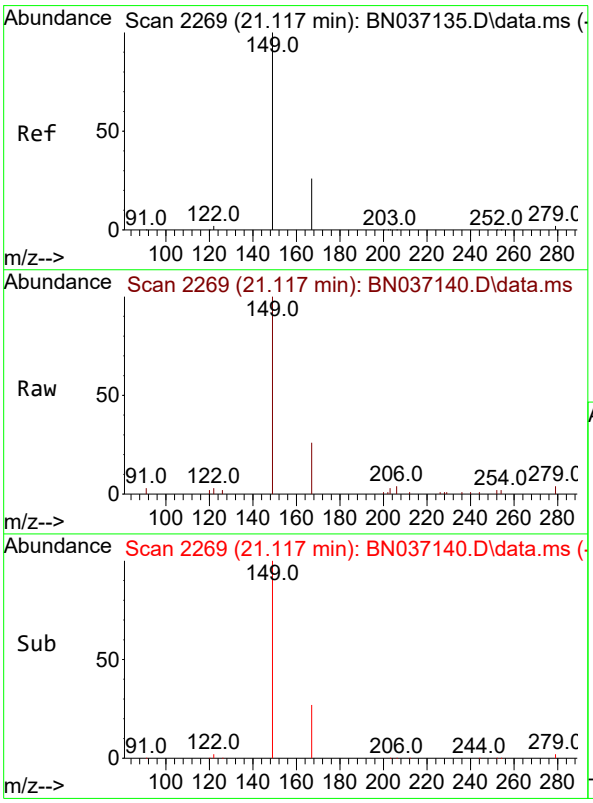
#33
Chrysene
Concen: 0.375 ng
RT: 21.224 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:228 Resp: 7296

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.7	38.5
229	19.6	16.3	24.5

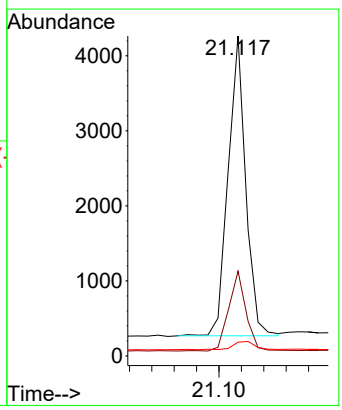


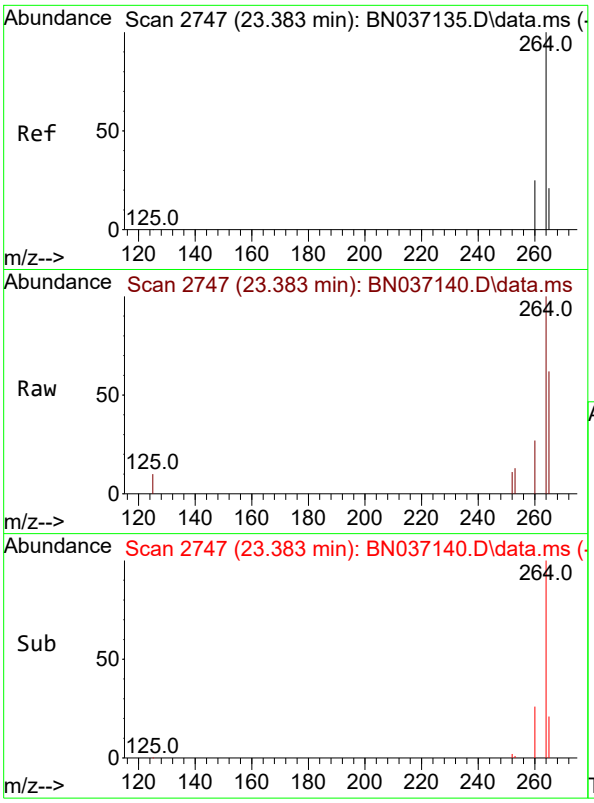


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.350 ng
RT: 21.117 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:149 Resp: 4373

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.7	31.1
279	3.4	2.8	4.2



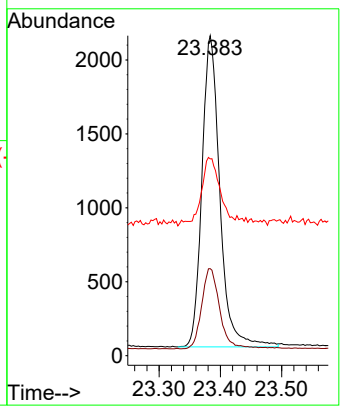


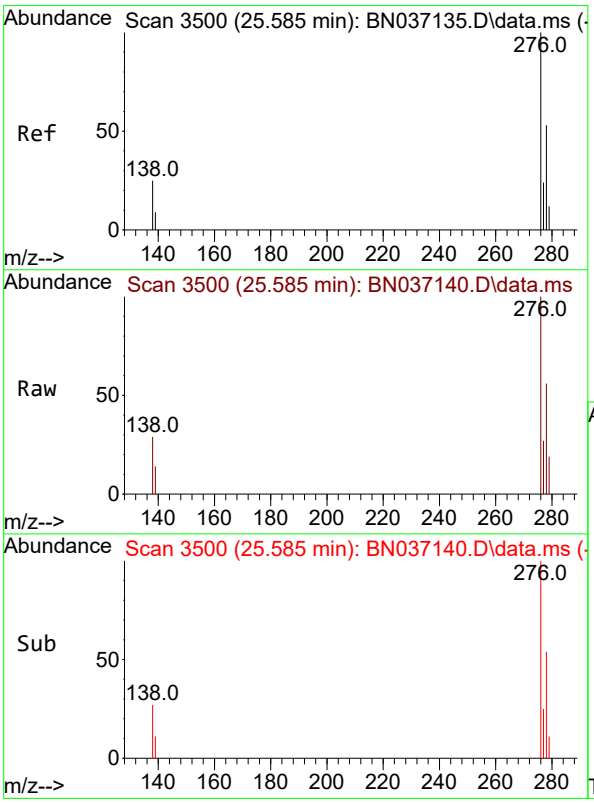
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.383 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:264 Resp: 4270

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.4	32.2
265	61.5	51.2	76.8

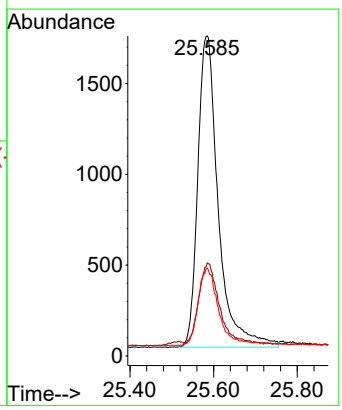


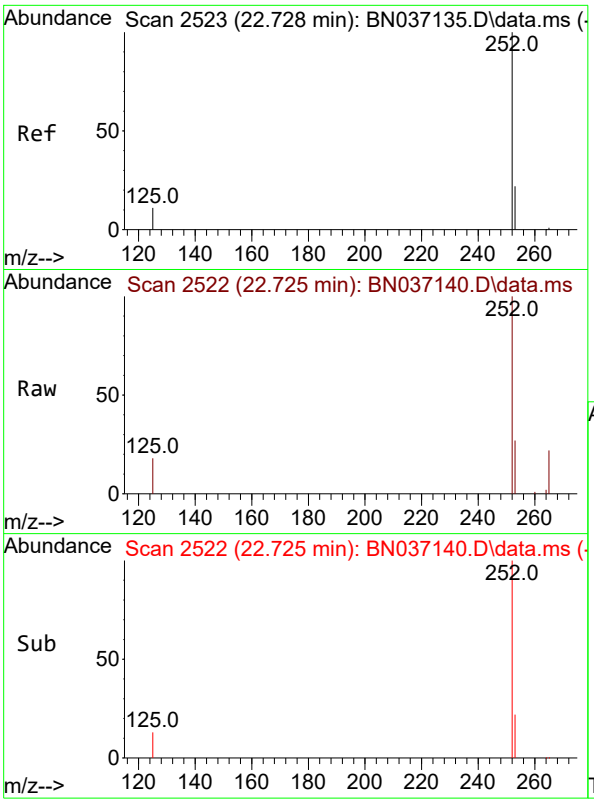


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 25.585 min Scan# 3500
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:276 Resp: 5841

Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.5	29.3
277	24.7	19.5	29.3



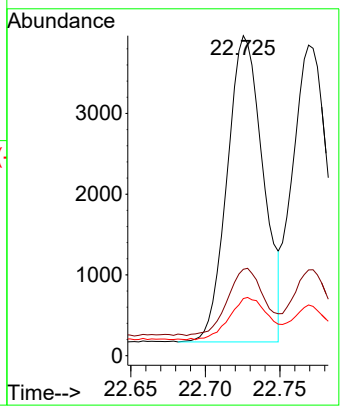


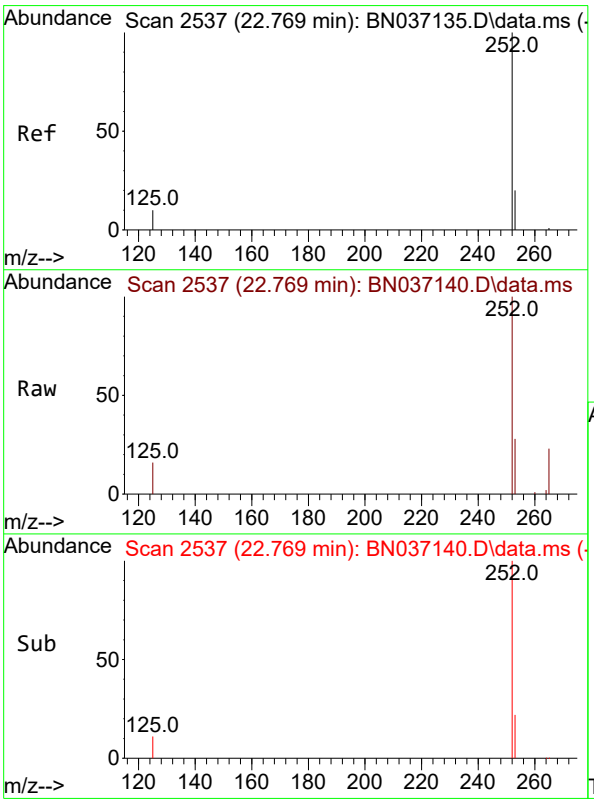
#37
Benzo(b)fluoranthene
Concen: 0.364 ng
RT: 22.725 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:252 Resp: 6369

Ion	Ratio	Lower	Upper
252	100		
253	27.0	22.6	34.0
125	17.9	13.0	19.6

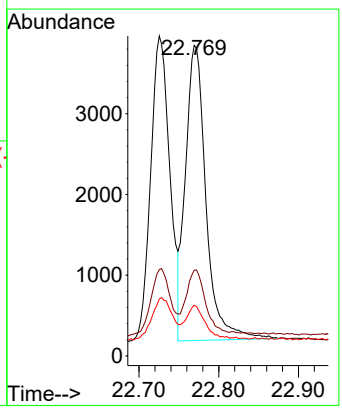


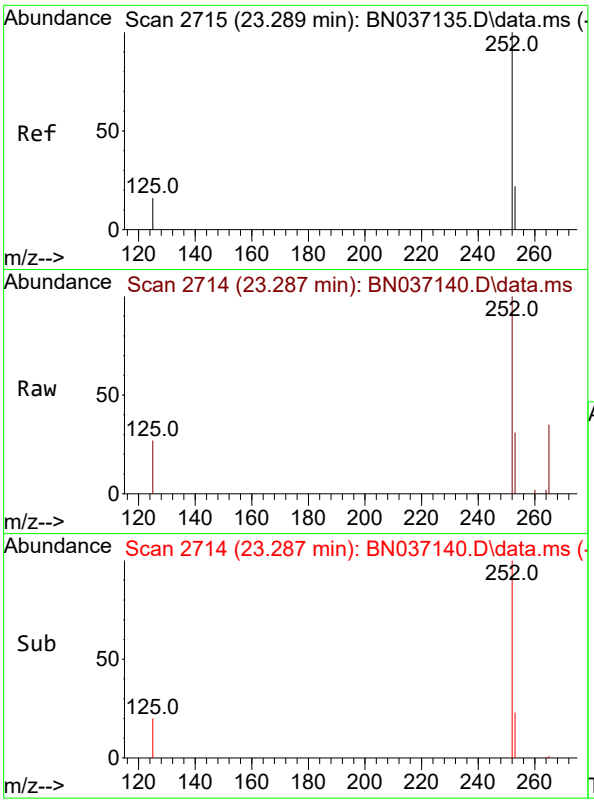


#38
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 22.769 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:252 Resp: 6539

Ion	Ratio	Lower	Upper
252	100		
253	27.6	21.8	32.8
125	16.3	13.2	19.8



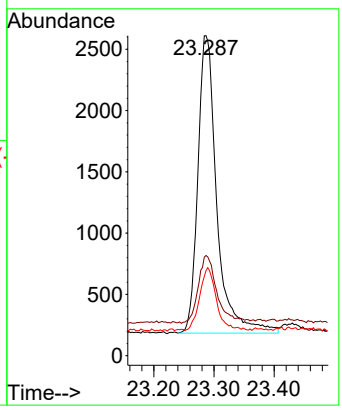


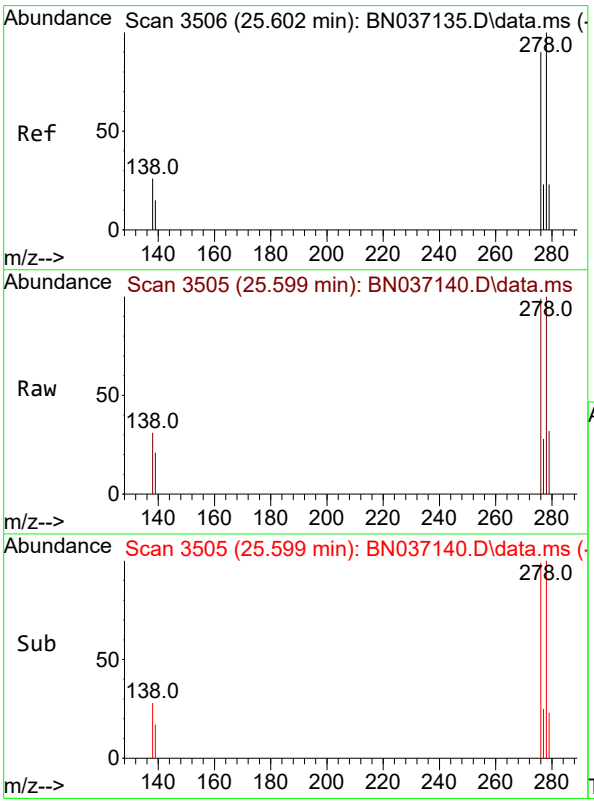
#39
Benzo(a)pyrene
Concen: 0.367 ng
RT: 23.287 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:252 Resp: 5310

Ion	Ratio	Lower	Upper
252	100		
253	31.3	24.8	37.2
125	26.6	18.7	28.1

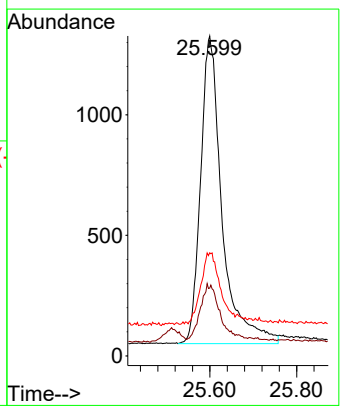


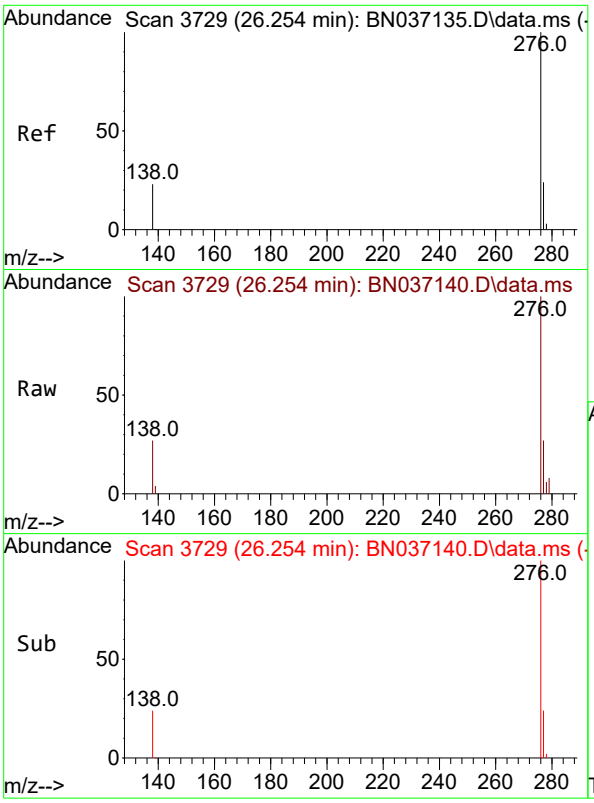


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.599 min Scan# 3505
Delta R.T. -0.003 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Tgt Ion:278 Resp: 4371

Ion	Ratio	Lower	Upper
278	100		
139	21.2	17.2	25.8
279	32.3	26.0	39.0





#41
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 26.254 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037140.D
Acq: 02 Jun 2025 20:35

Instrument :
BNA_N
ClientSampleId :
ICVBN060225

Tgt Ion:276 Resp: 5153

Ion	Ratio	Lower	Upper
276	100		
277	27.2	21.9	32.9
138	27.3	20.7	31.1