Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037172.D
Acq On : 05 Jun 2025 09:42
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 05 11:15:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

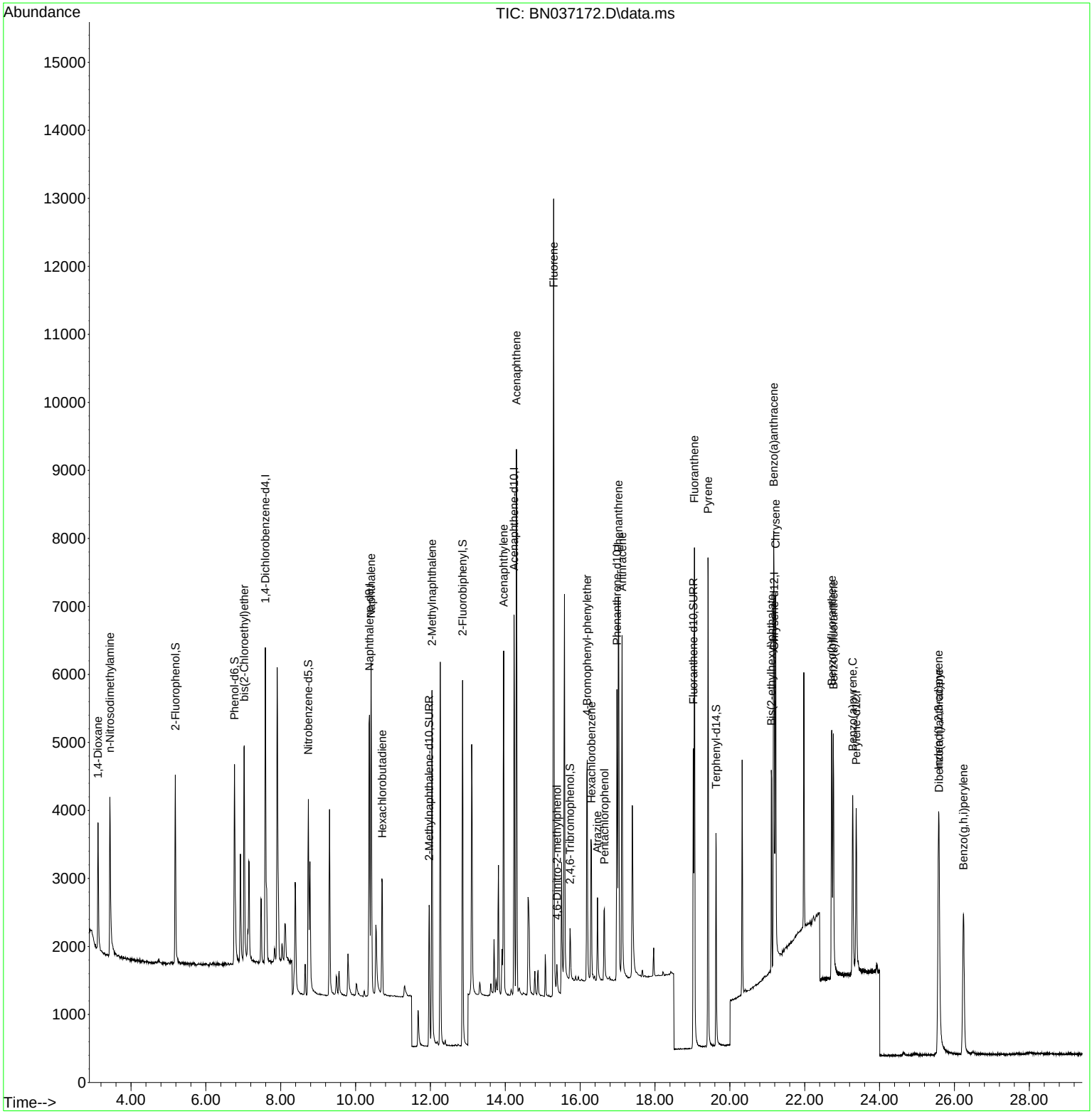
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.589	152	2188	0.400	ng		0.00
7) Naphthalene-d8	10.372	136	5634	0.400	ng		0.00
13) Acenaphthene-d10	14.234	164	3073	0.400	ng		0.00
19) Phenanthrene-d10	16.984	188	5620	0.400	ng		0.00
29) Chrysene-d12	21.188	240	3619	0.400	ng		0.00
35) Perylene-d12	23.374	264	3205	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.184	112	2022	0.374	ng		0.00
5) Phenol-d6	6.766	99	2444	0.373	ng		0.00
8) Nitrobenzene-d5	8.739	82	2375	0.400	ng		0.00
11) 2-Methylnaphthalene-d10	11.965	152	3116	0.397	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	438	0.354	ng		-0.01
15) 2-Fluorobiphenyl	12.858	172	5154	0.393	ng		0.00
27) Fluoranthene-d10	19.026	212	5176	0.362	ng		0.00
31) Terphenyl-d14	19.630	244	3249	0.381	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.119	88	1098	0.376	ng		99
3) n-Nitrosodimethylamine	3.436	42	2207	0.377	ng	#	96
6) bis(2-Chloroethyl)ether	7.026	93	2471	0.395	ng		98
9) Naphthalene	10.415	128	6295	0.387	ng		99
10) Hexachlorobutadiene	10.714	225	1395	0.394	ng	#	98
12) 2-Methylnaphthalene	12.041	142	3867	0.371	ng		98
16) Acenaphthylene	13.956	152	5318	0.353	ng		99
17) Acenaphthene	14.299	154	3492	0.357	ng		99
18) Fluorene	15.293	166	4545	0.353	ng		99
20) 4,6-Dinitro-2-methylph...	15.378	198	366	0.497	ng		85
21) 4-Bromophenyl-phenylether	16.189	248	1333	0.362	ng		94
22) Hexachlorobenzene	16.301	284	1545	0.389	ng		98
23) Atrazine	16.462	200	1029	0.338	ng		96
24) Pentachlorophenol	16.649	266	652	0.489	ng		99
25) Phenanthrene	17.021	178	6507	0.357	ng		100
26) Anthracene	17.120	178	5663	0.341	ng		99
28) Fluoranthene	19.054	202	6745	0.335	ng		100
30) Pyrene	19.416	202	6680	0.378	ng		100
32) Benzo(a)anthracene	21.171	228	4612	0.352	ng		98
33) Chrysene	21.224	228	5327	0.365	ng		100
34) Bis(2-ethylhexyl)phtha...	21.108	149	2897	0.350	ng		100
36) Indeno(1,2,3-cd)pyrene	25.576	276	4861	0.381	ng		99
37) Benzo(b)fluoranthene	22.722	252	4620	0.357	ng		97
38) Benzo(k)fluoranthene	22.766	252	4861	0.368	ng		99
39) Benzo(a)pyrene	23.281	252	3883	0.358	ng		97
40) Dibenzo(a,h)anthracene	25.590	278	3755	0.382	ng		99
41) Benzo(g,h,i)perylene	26.239	276	4344	0.385	ng		98

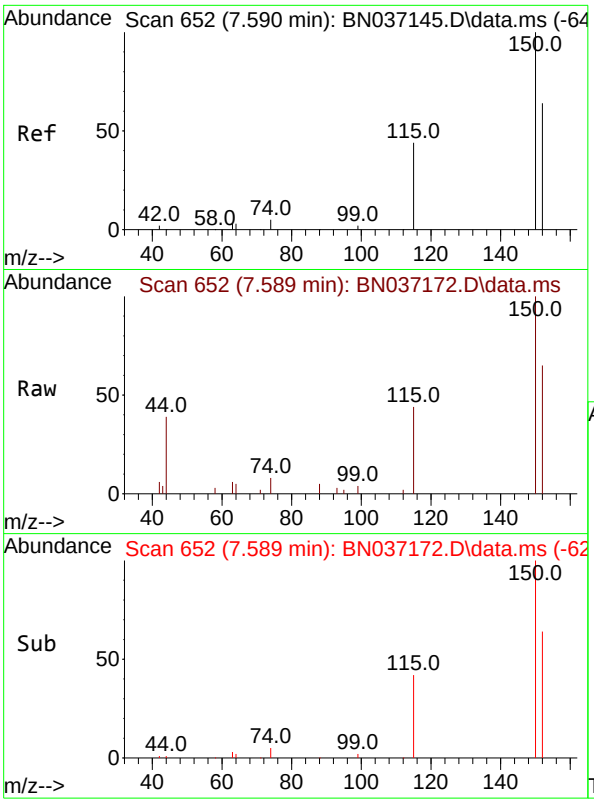
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037172.D
Acq On : 05 Jun 2025 09:42
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 05 11:15:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



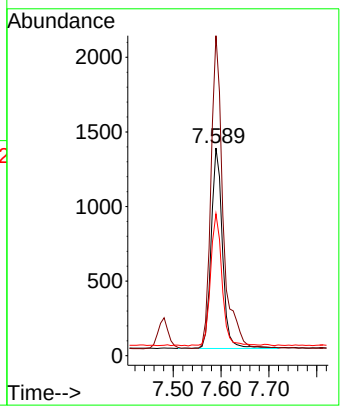


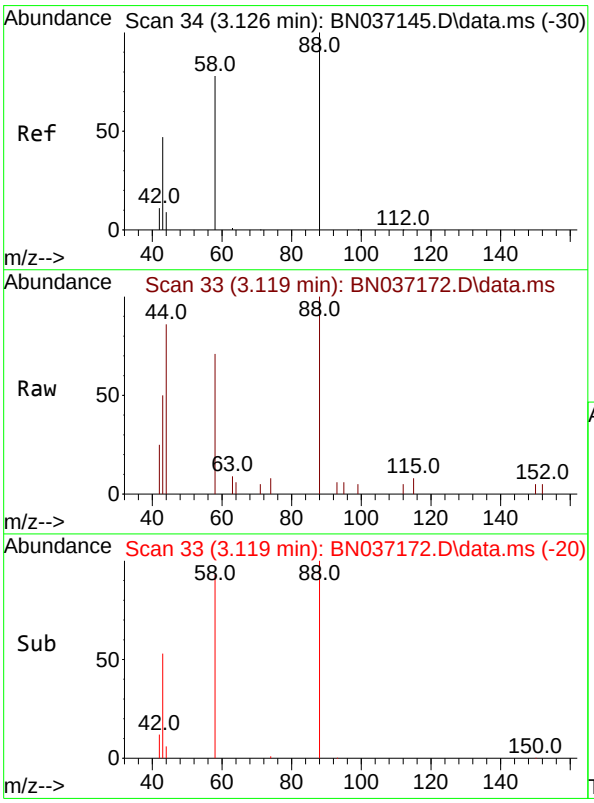
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2188

Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.2	184.8
115	68.3	56.6	85.0

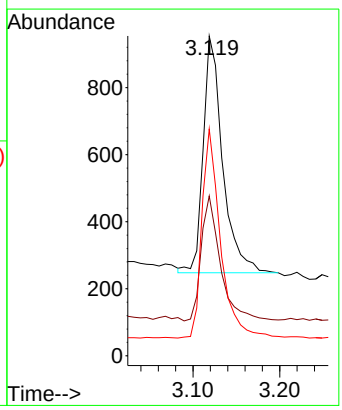


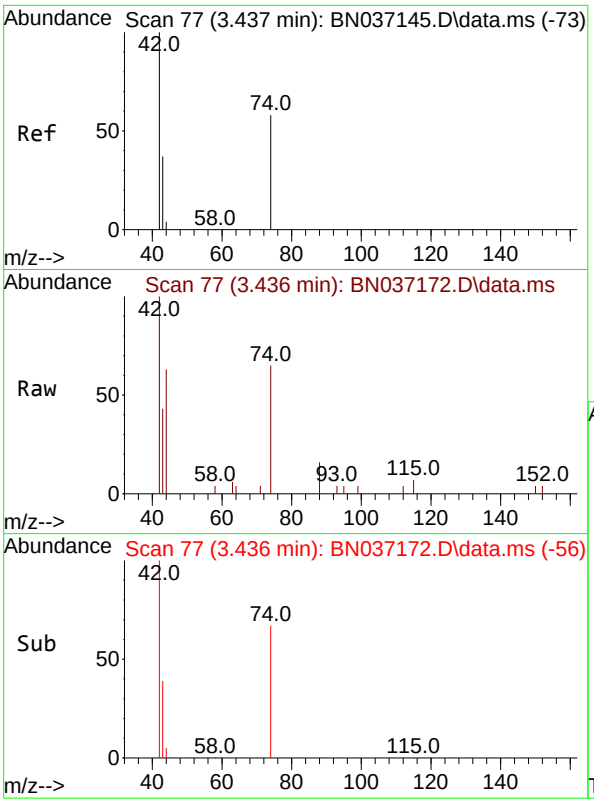


#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion: 88 Resp: 1098

Ion	Ratio	Lower	Upper
88	100		
43	52.7	43.5	65.3
58	84.8	67.7	101.5



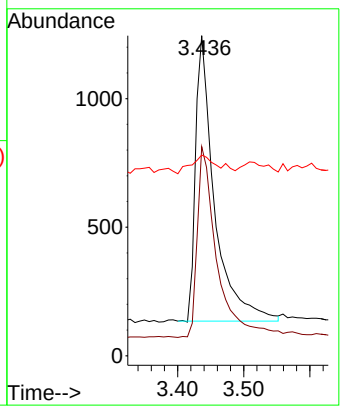


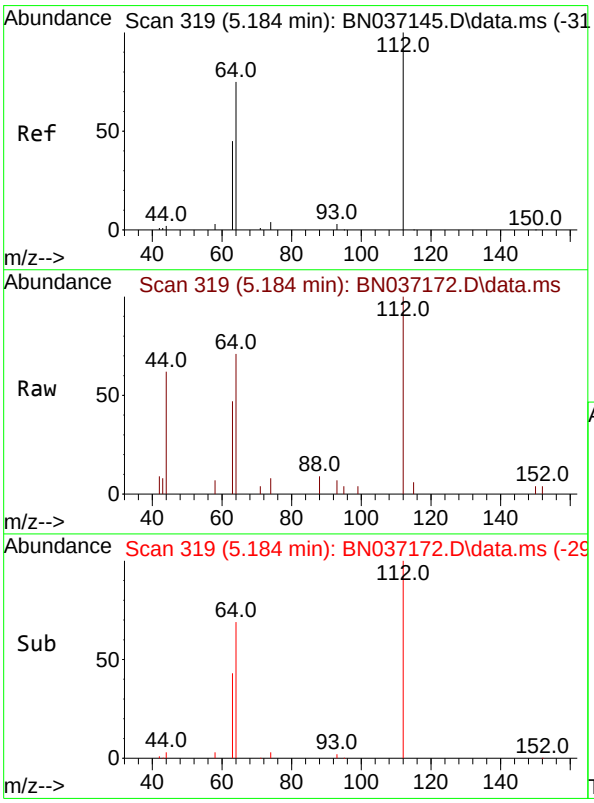
#3
n-Nitrosodimethylamine
Concen: 0.377 ng
RT: 3.436 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2207

Ion	Ratio	Lower	Upper
42	100		
74	69.7	53.0	79.4
44	9.0	5.9	8.9#

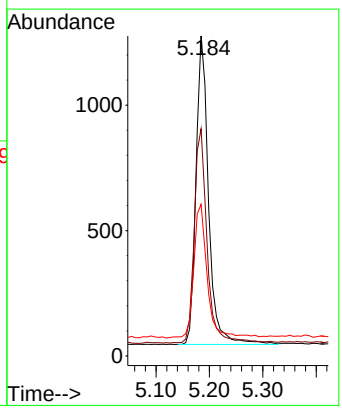


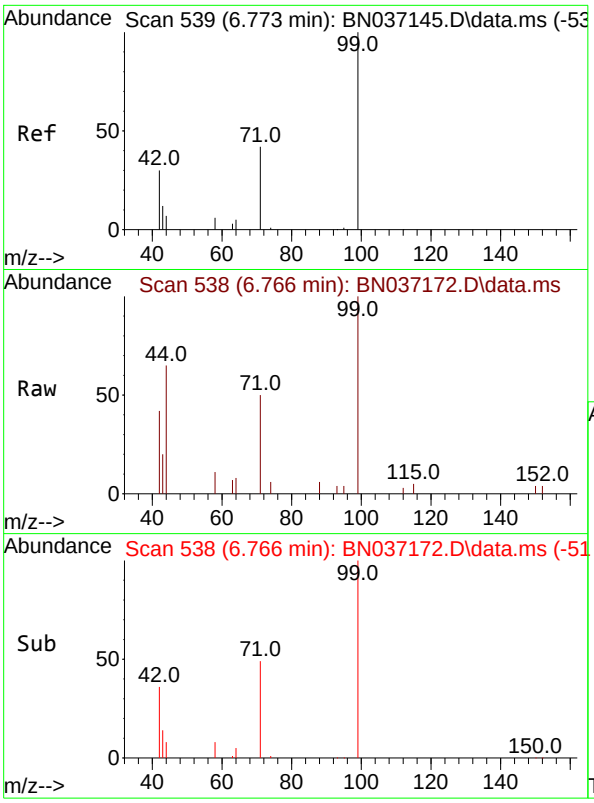


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:112 Resp: 2022

Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.3	84.5
63	45.5	36.2	54.4



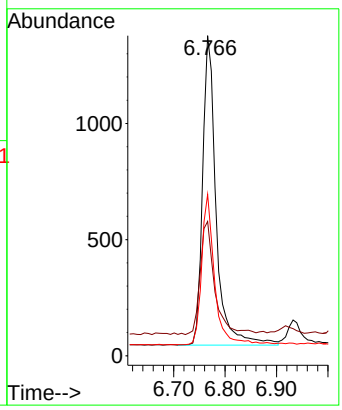


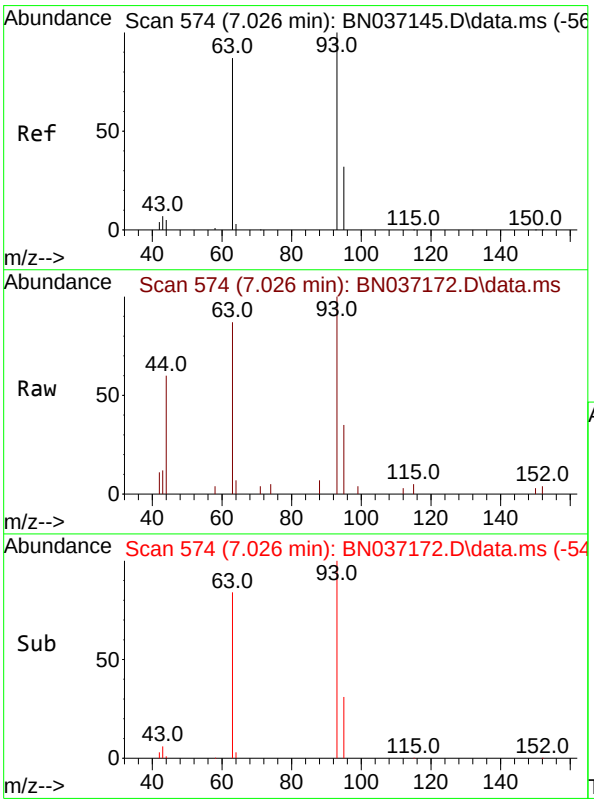
#5
Phenol-d6
Concen: 0.373 ng
RT: 6.766 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2444

Ion	Ratio	Lower	Upper
99	100		
42	39.4	31.3	46.9
71	46.8	38.2	57.2

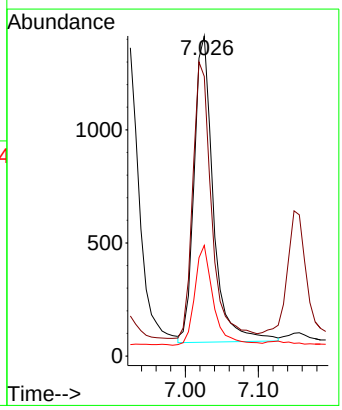


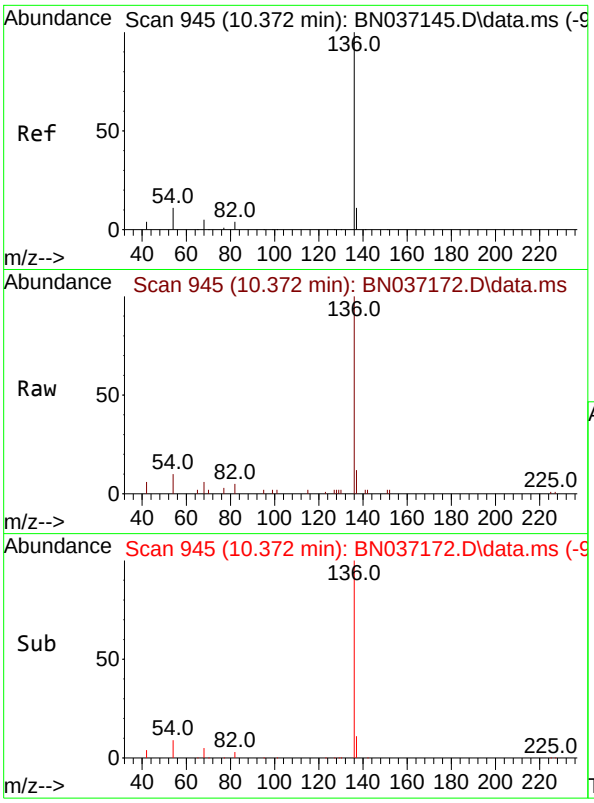


#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion: 93 Resp: 2471

Ion	Ratio	Lower	Upper
93	100		
63	88.1	68.6	103.0
95	31.6	24.3	36.5



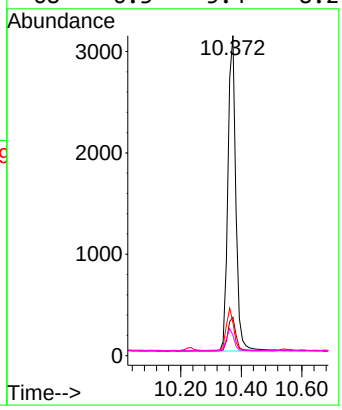


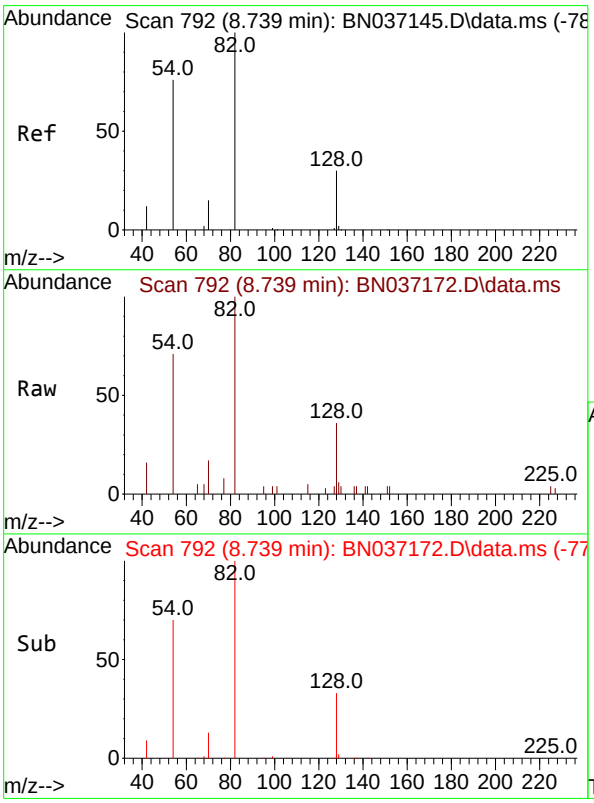
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5634

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	10.4	9.7	14.5
68	6.3	5.4	8.2

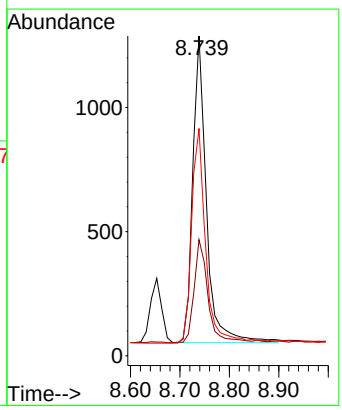


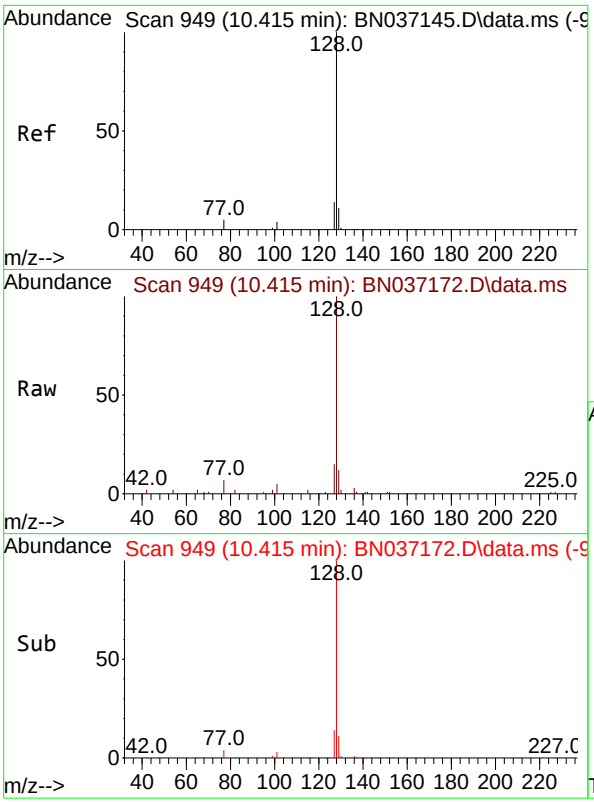


#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion: 82 Resp: 2375

Ion	Ratio	Lower	Upper
82	100		
128	36.3	26.9	40.3
54	71.1	61.4	92.2



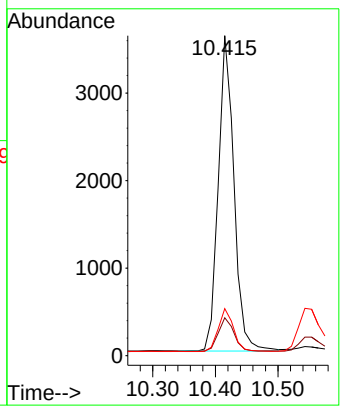


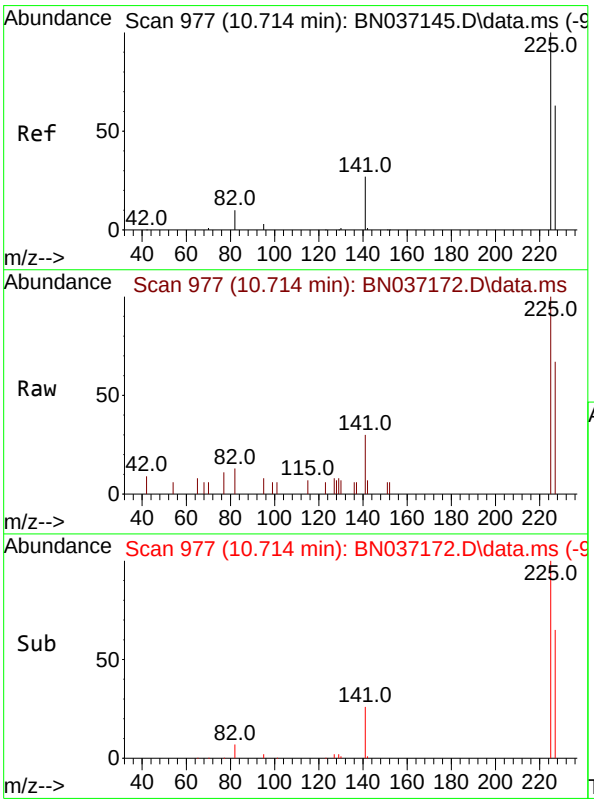
#9
Naphthalene
Concen: 0.387 ng
RT: 10.415 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 6295

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.8	14.8
127	14.7	12.3	18.5

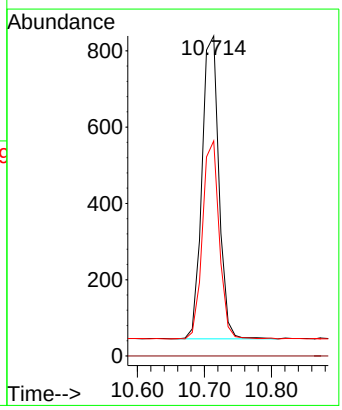


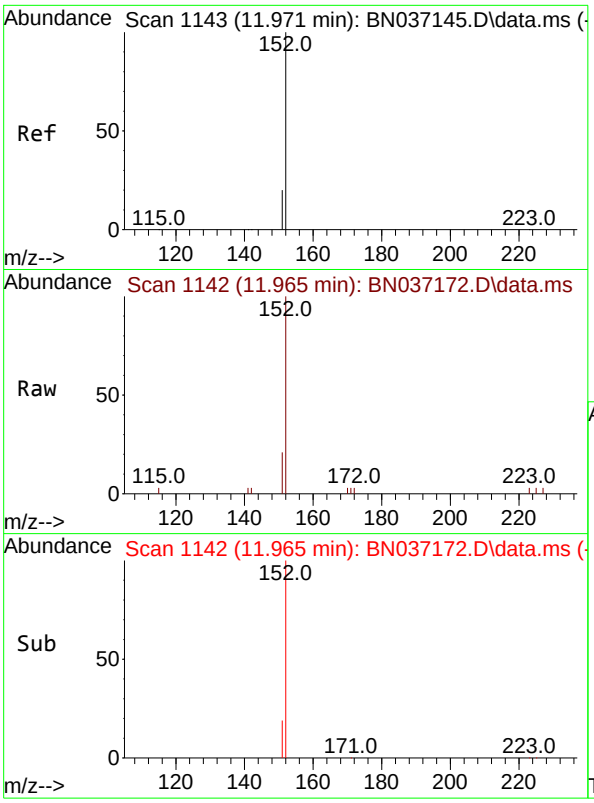


#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:225 Resp: 1395

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	50.3	75.5



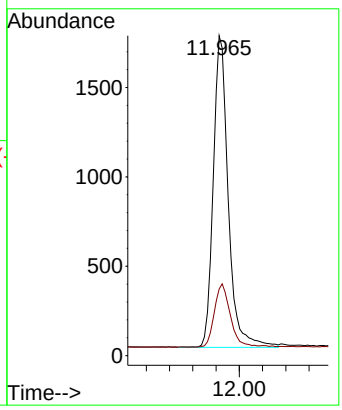


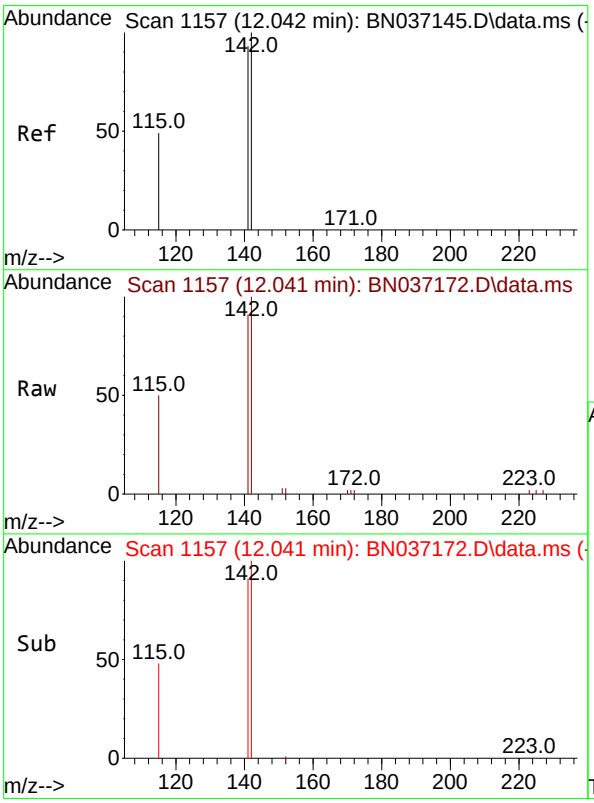
#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 11.965 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3116

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.1	25.7

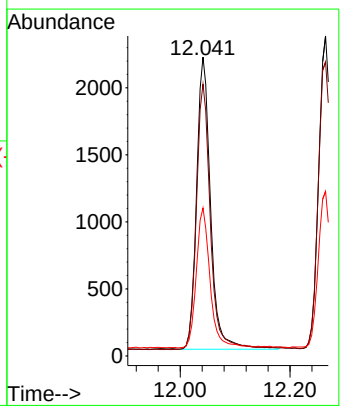


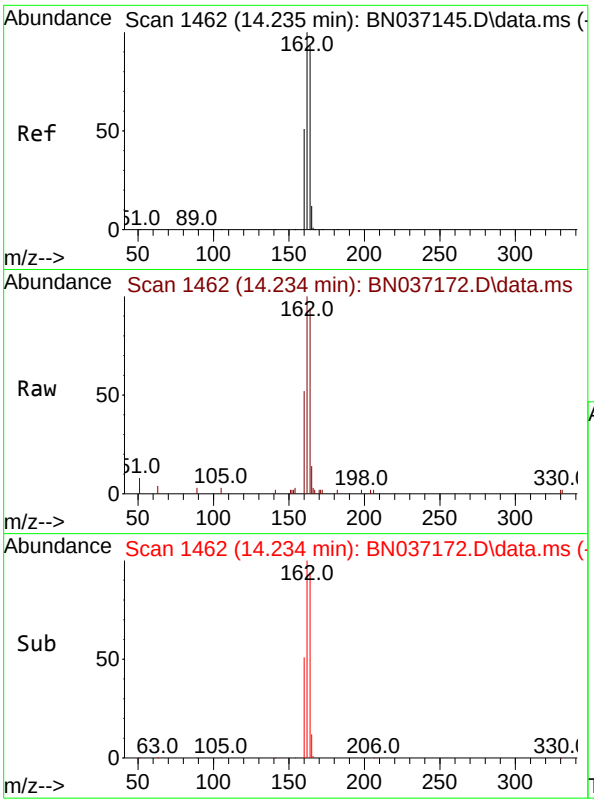


#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:142 Resp: 3867

Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.6	111.8
115	49.5	41.0	61.4



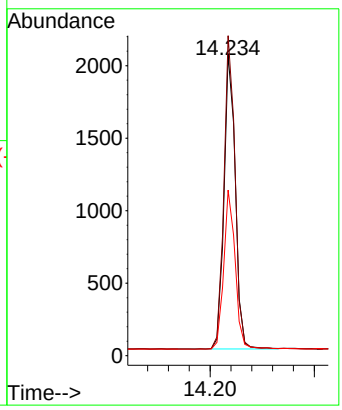


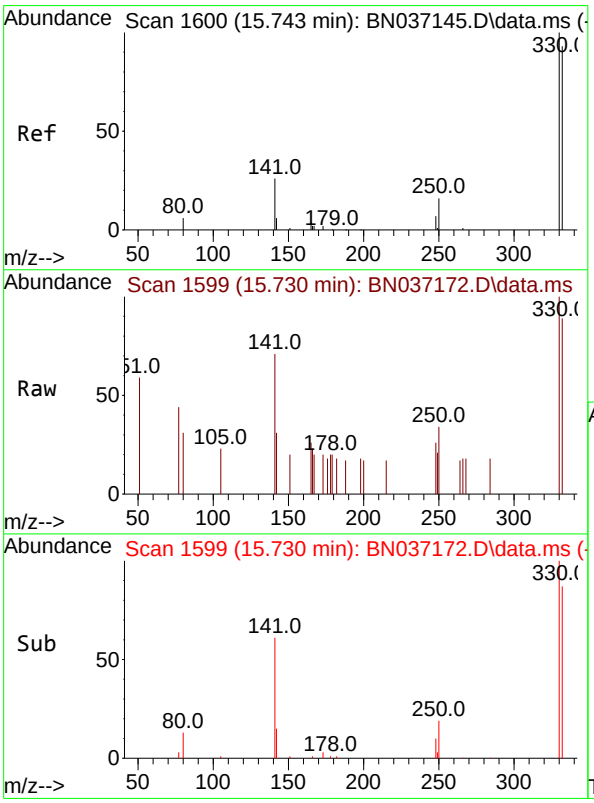
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3073

Ion	Ratio	Lower	Upper
164	100		
162	106.4	85.5	128.3
160	55.0	44.6	67.0

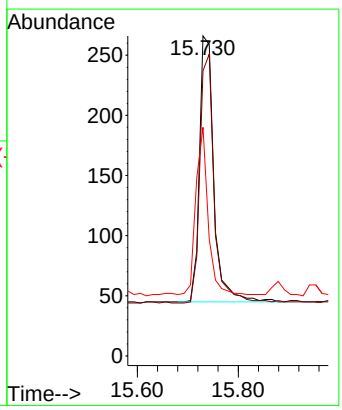


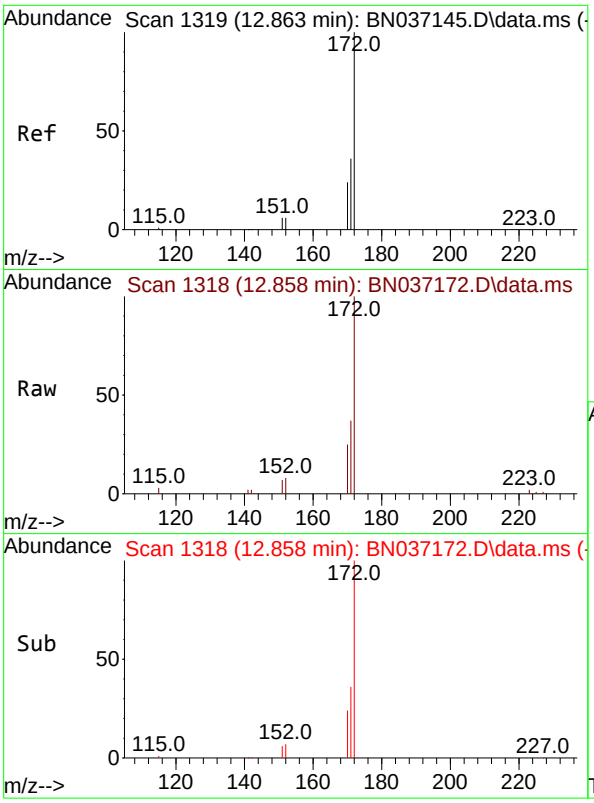


#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:330 Resp: 438

Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.1	115.7
141	56.4	46.4	69.6



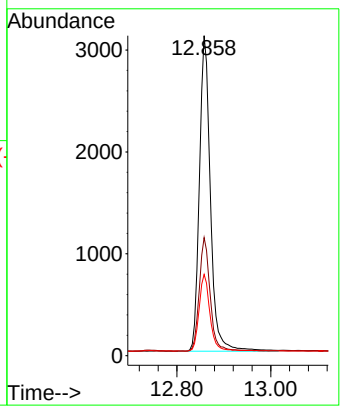


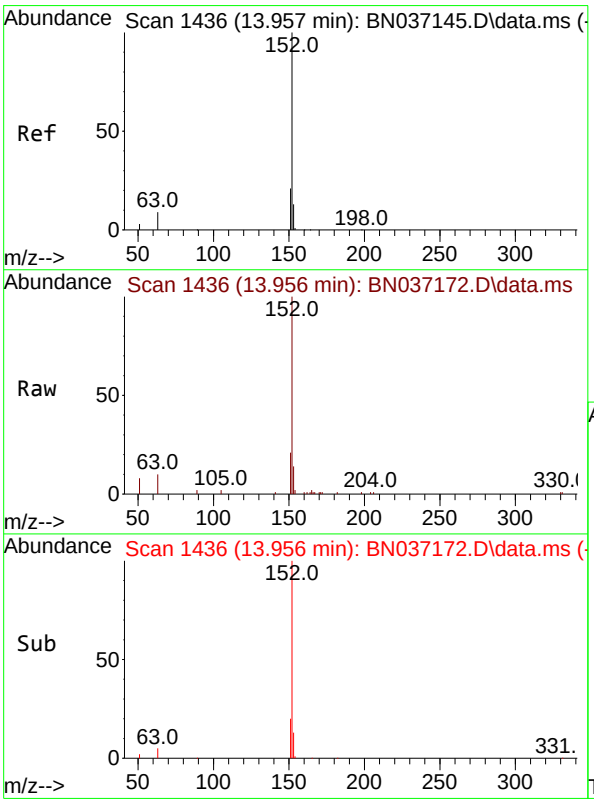
#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 12.858 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5154

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	25.4	20.3	30.5

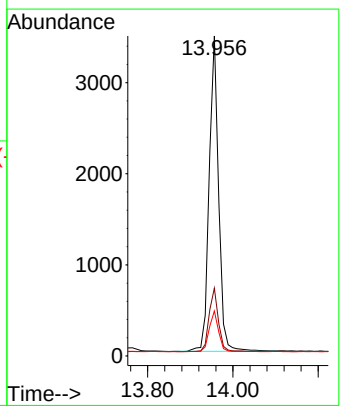


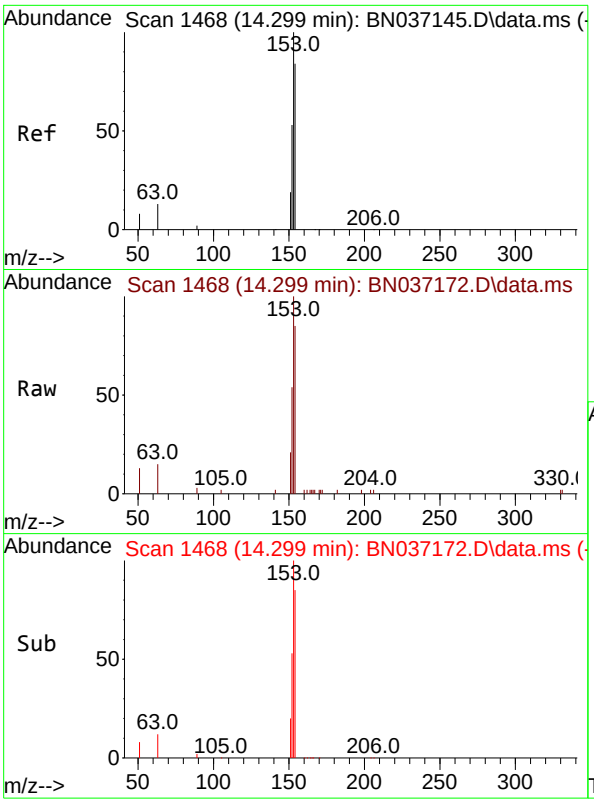


#16
Acenaphthylene
Concen: 0.353 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:152 Resp: 5318

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	12.9	10.6	15.8



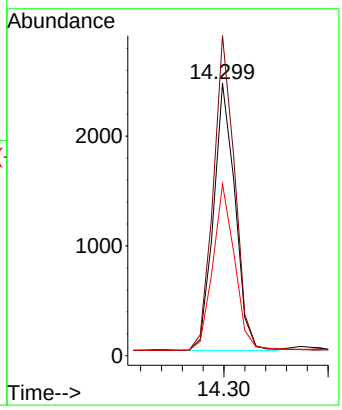


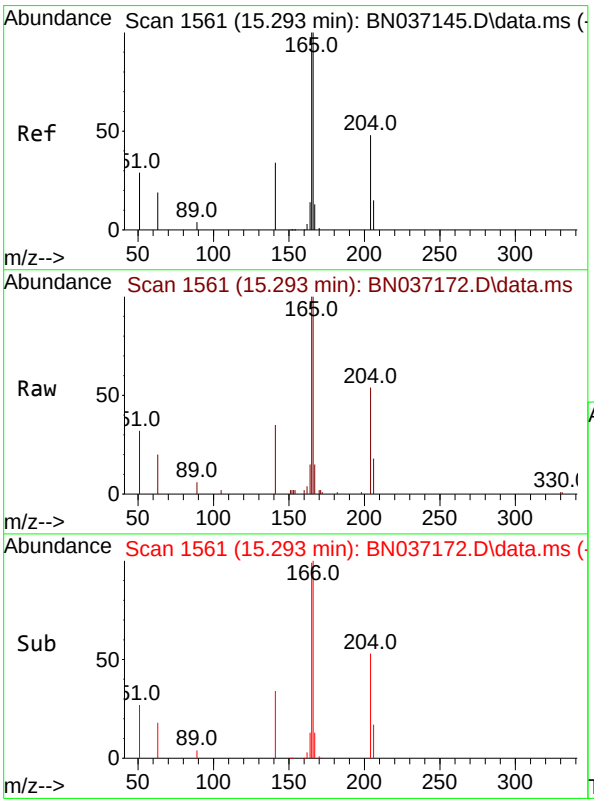
#17
Acenaphthene
Concen: 0.357 ng
RT: 14.299 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3492

Ion	Ratio	Lower	Upper
154	100		
153	118.1	93.8	140.8
152	63.7	50.5	75.7

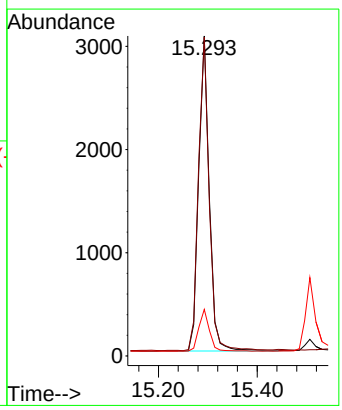


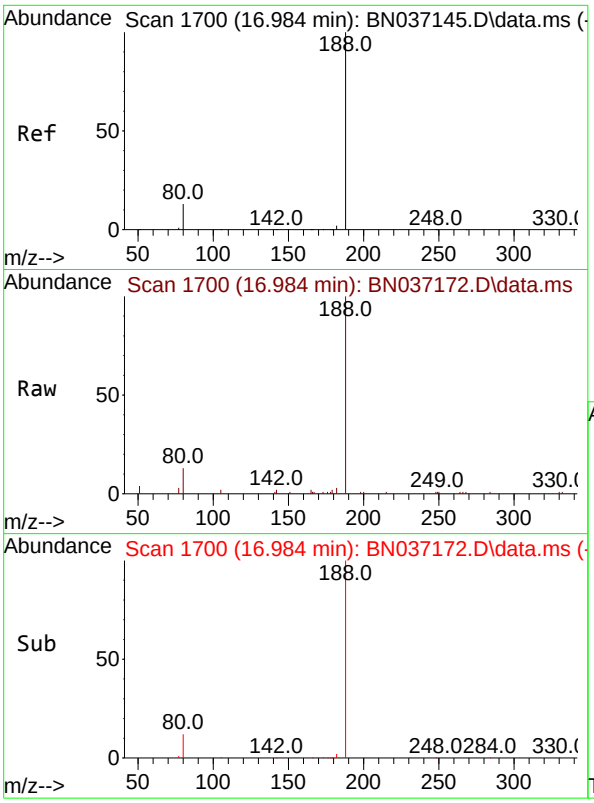


#18
Fluorene
Concen: 0.353 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:166 Resp: 4545

Ion	Ratio	Lower	Upper
166	100		
165	100.5	81.1	121.7
167	13.4	10.8	16.2



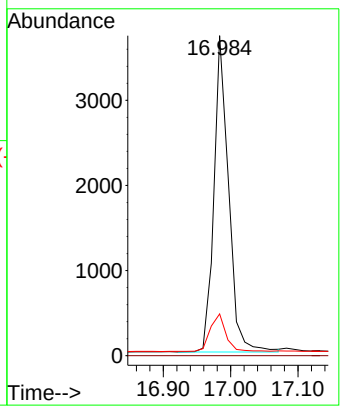


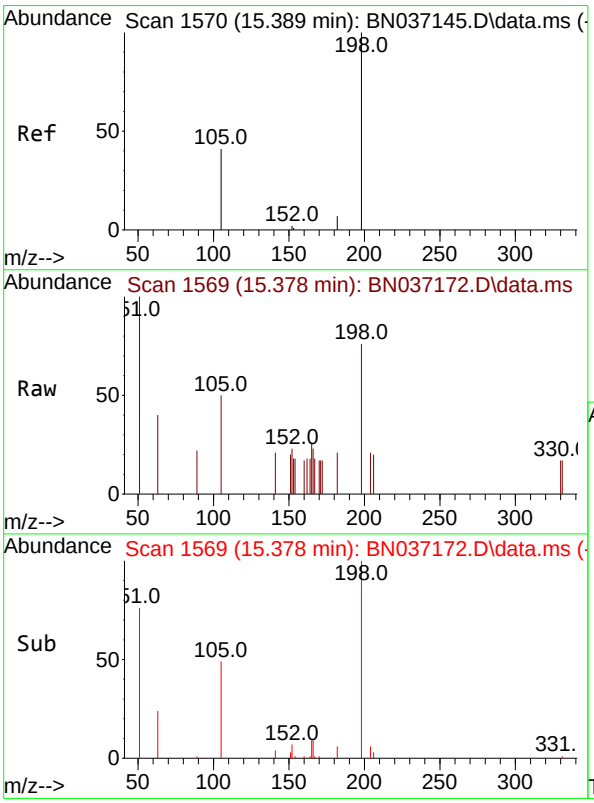
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 5620

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	11.3	16.9

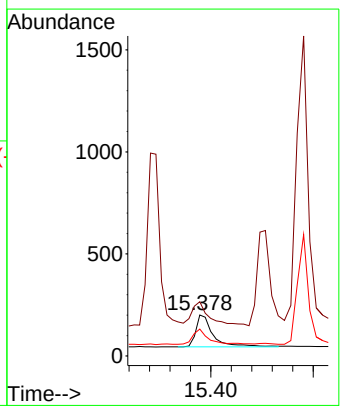


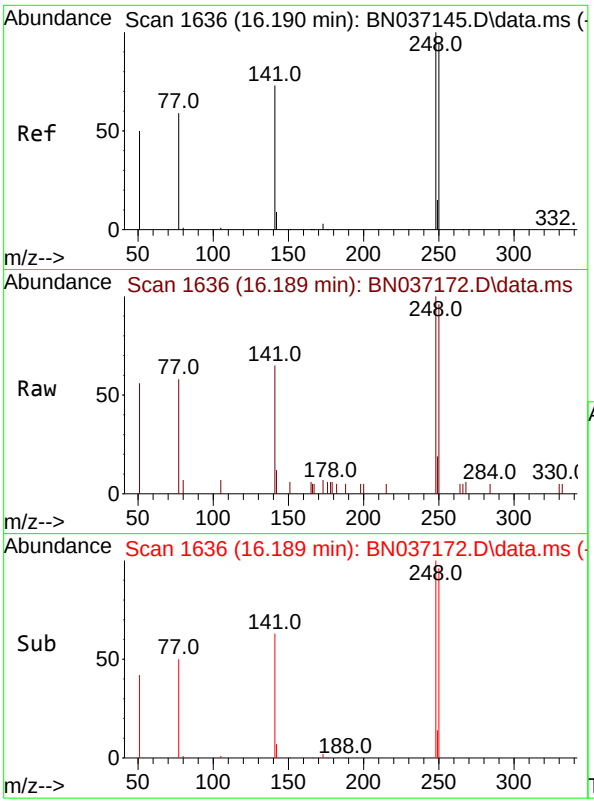


#20
4,6-Dinitro-2-methylphenol
Concen: 0.497 ng
RT: 15.378 min Scan# 1569
Delta R.T. -0.011 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:198 Resp: 366

Ion	Ratio	Lower	Upper
198	100		
51	132.3	125.2	187.8
105	65.7	57.1	85.7



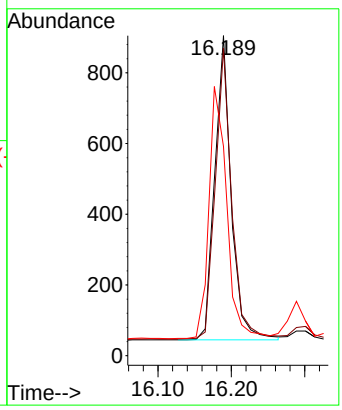


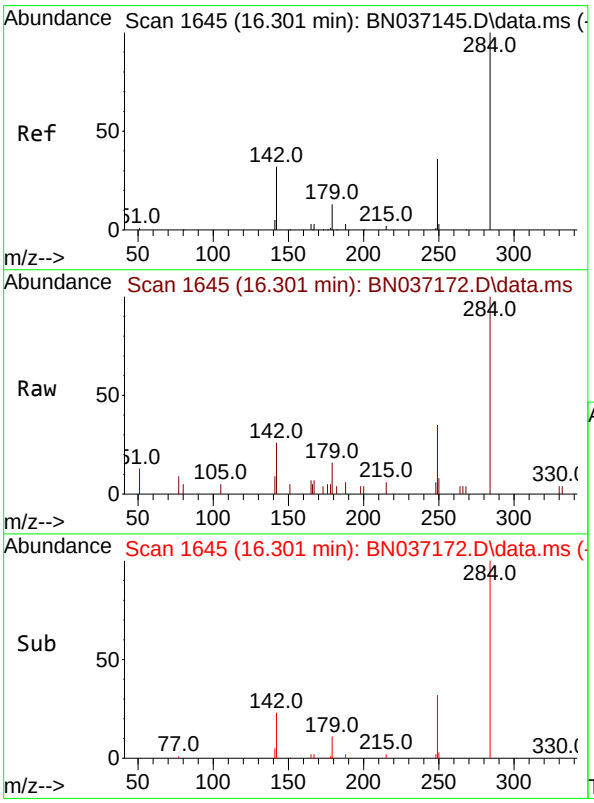
#21
4-Bromophenyl-phenylether
Concen: 0.362 ng
RT: 16.189 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1333

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.1	114.1
141	65.4	60.1	90.1

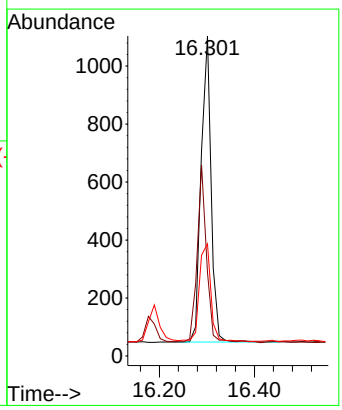


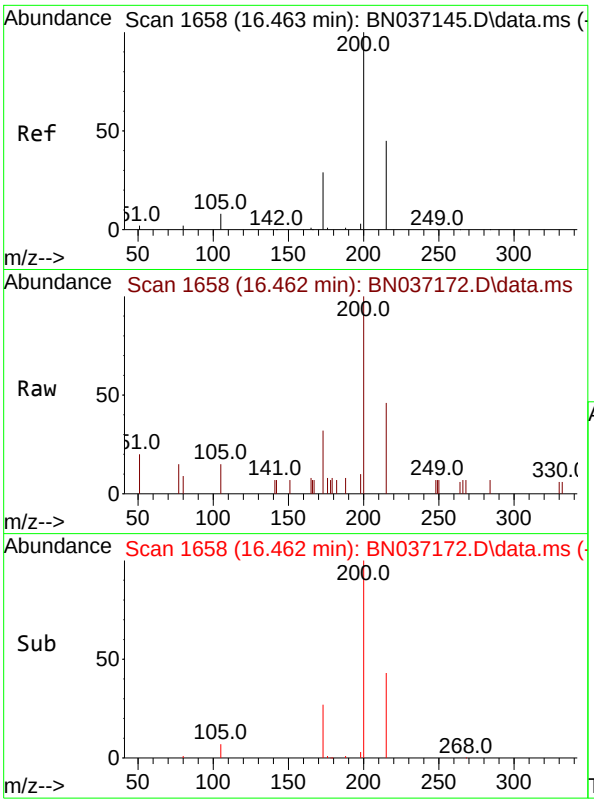


#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:284 Resp: 1545

Ion	Ratio	Lower	Upper
284	100		
142	53.0	44.0	66.0
249	36.8	29.7	44.5



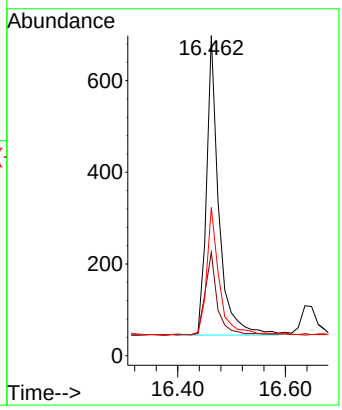


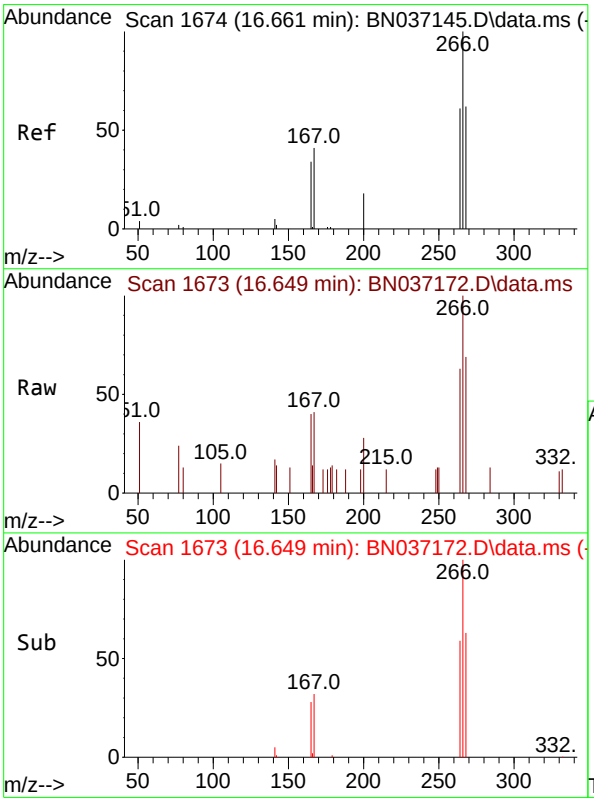
#23
Atrazine
Concen: 0.338 ng
RT: 16.462 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1029

Ion	Ratio	Lower	Upper
200	100		
173	32.2	28.1	42.1
215	46.3	39.3	58.9

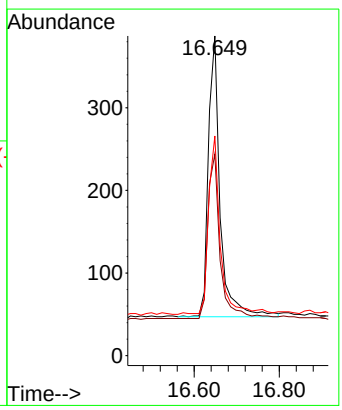


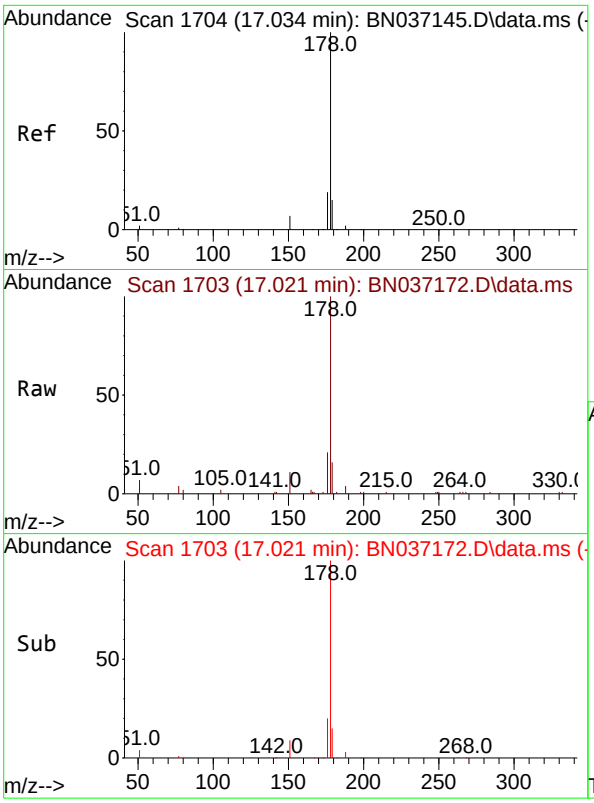


#24
Pentachlorophenol
Concen: 0.489 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:266 Resp: 652

Ion	Ratio	Lower	Upper
266	100		
264	61.0	49.3	73.9
268	62.1	49.0	73.4



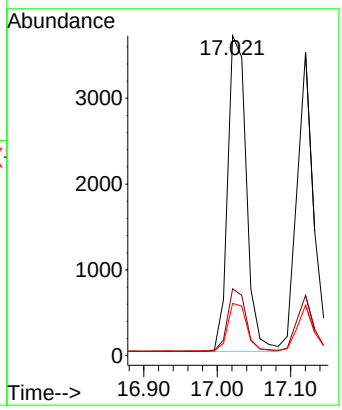


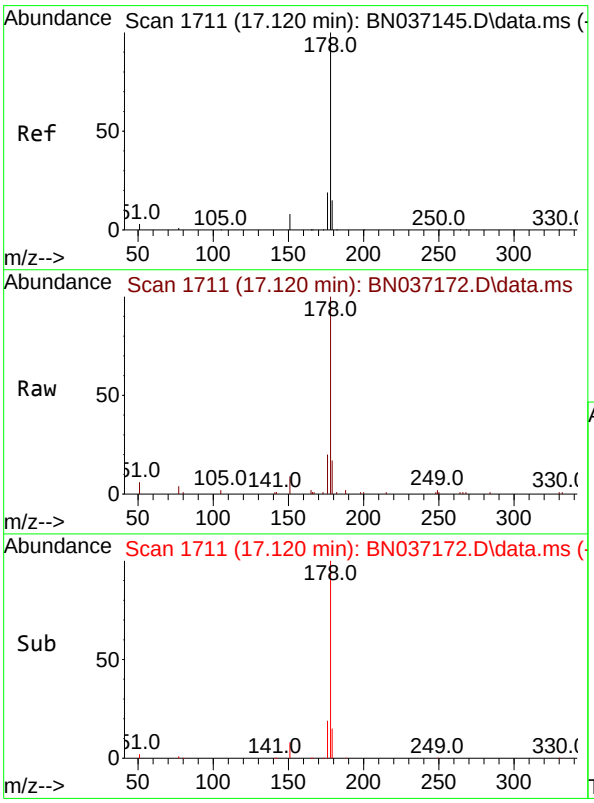
#25
Phenanthrene
Concen: 0.357 ng
RT: 17.021 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 6507

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.4	12.3	18.5

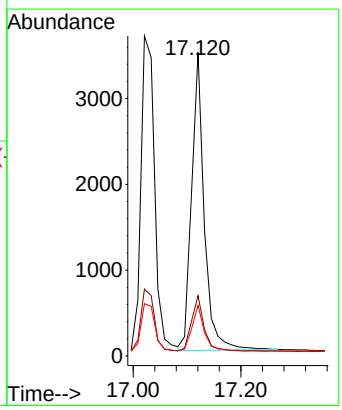


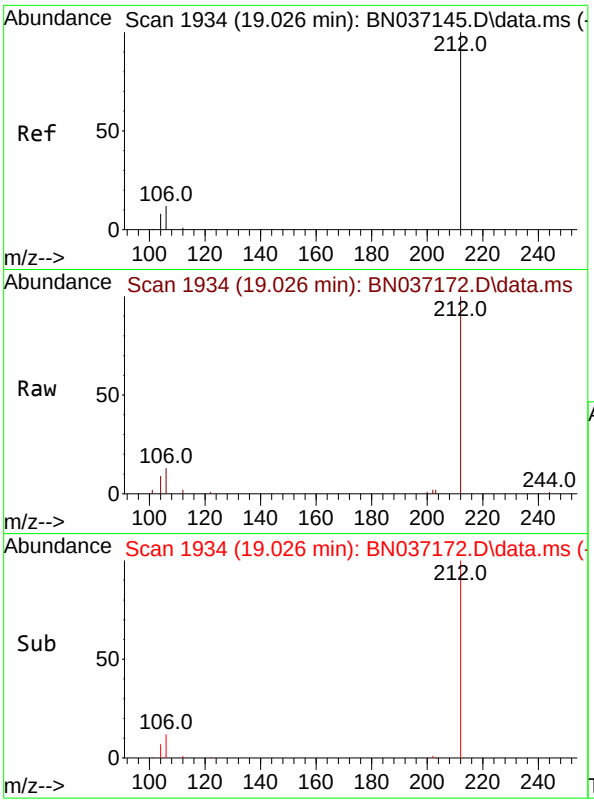


#26
Anthracene
Concen: 0.341 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:178 Resp: 5663

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.2	12.9	19.3



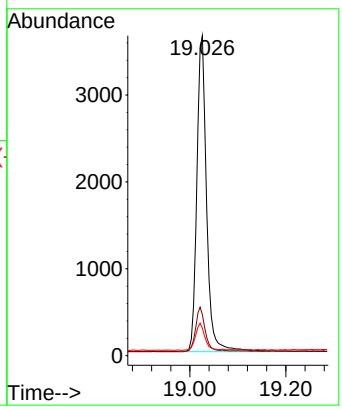


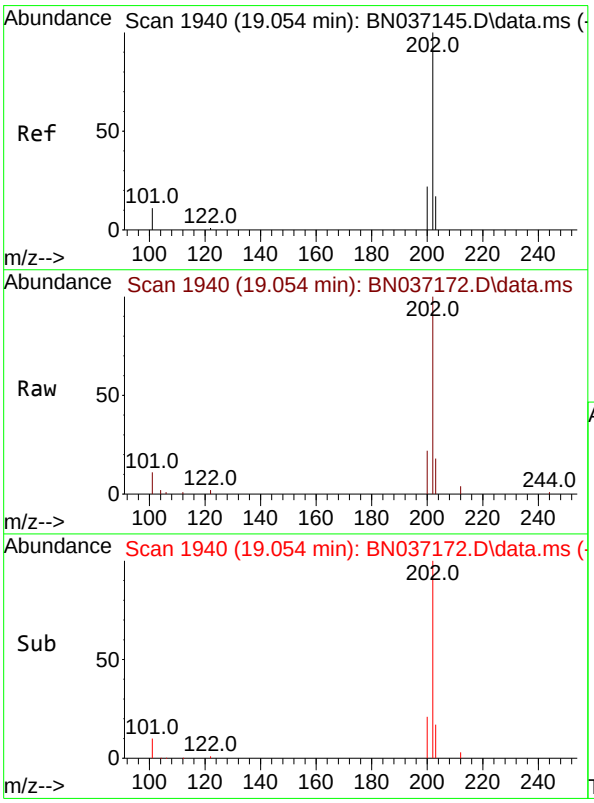
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 5176

Ion	Ratio	Lower	Upper
212	100		
106	13.6	10.6	15.8
104	8.0	6.6	9.8

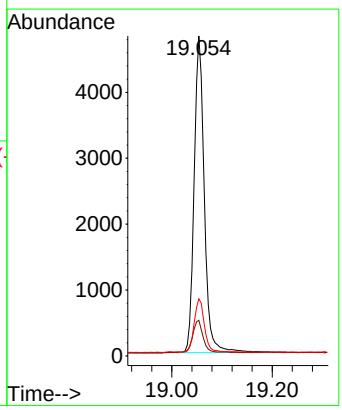


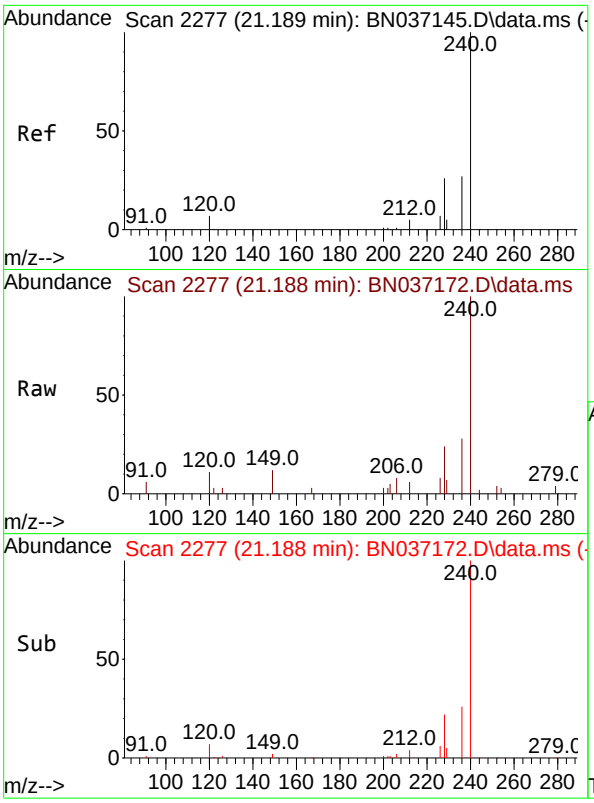


#28
Fluoranthene
Concen: 0.335 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:202 Resp: 6745

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.7	13.1
203	16.7	13.5	20.3



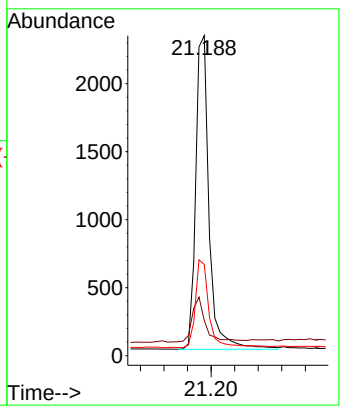


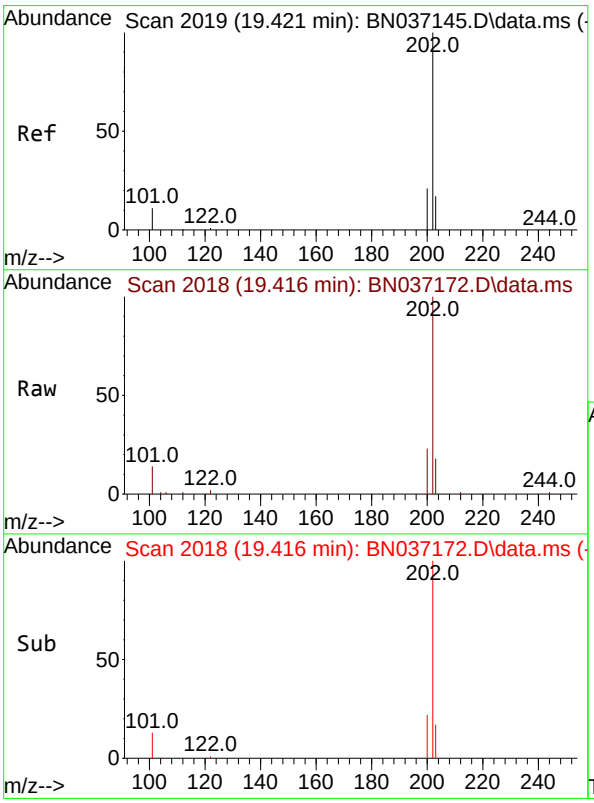
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.188 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 3619

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.4
236	28.5	23.0	34.4

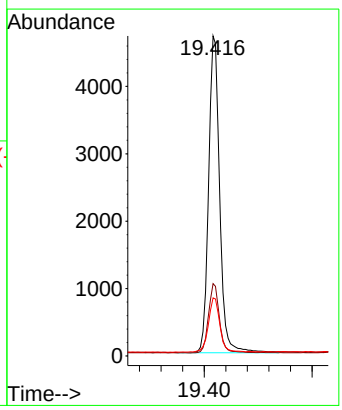


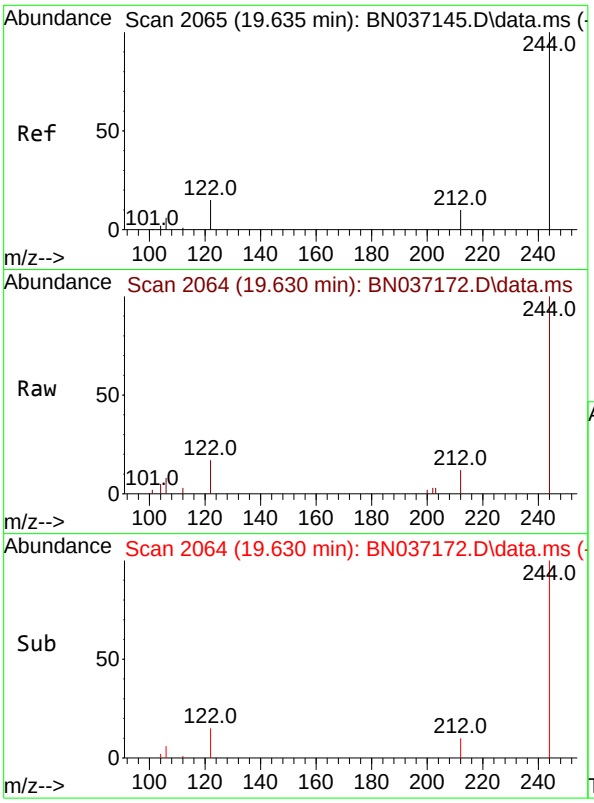


#30
Pyrene
Concen: 0.378 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:202 Resp: 6680

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.6
203	17.6	14.2	21.4



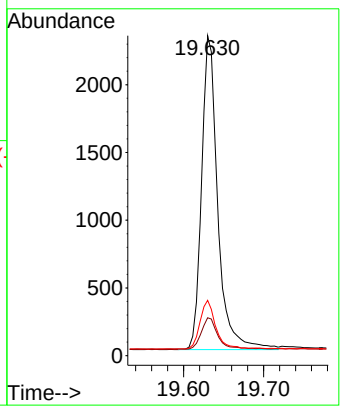


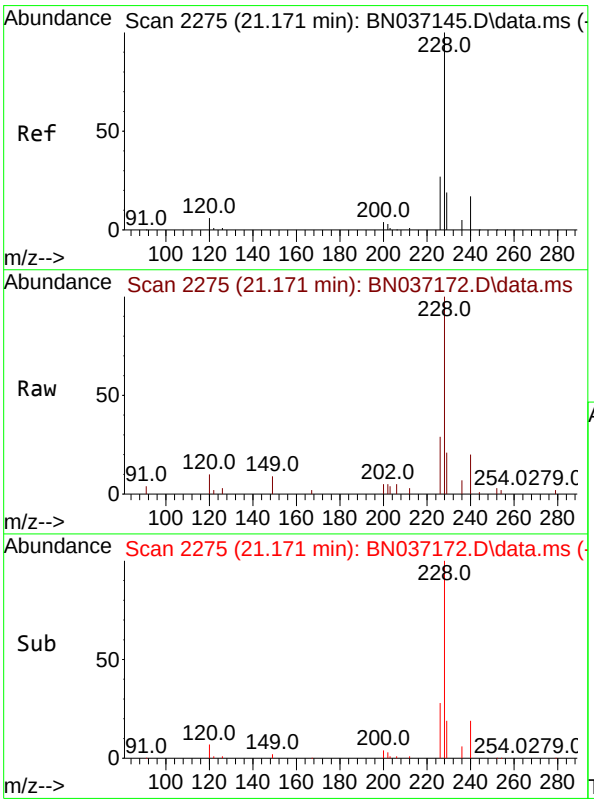
#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.630 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 3249

Ion	Ratio	Lower	Upper
244	100		
212	11.9	10.0	15.0
122	17.3	13.2	19.8

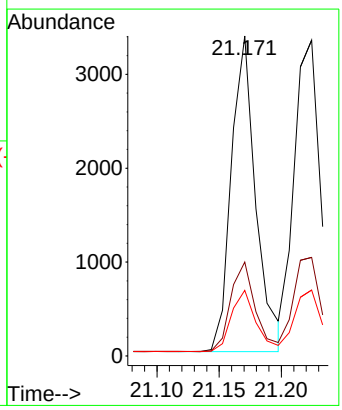


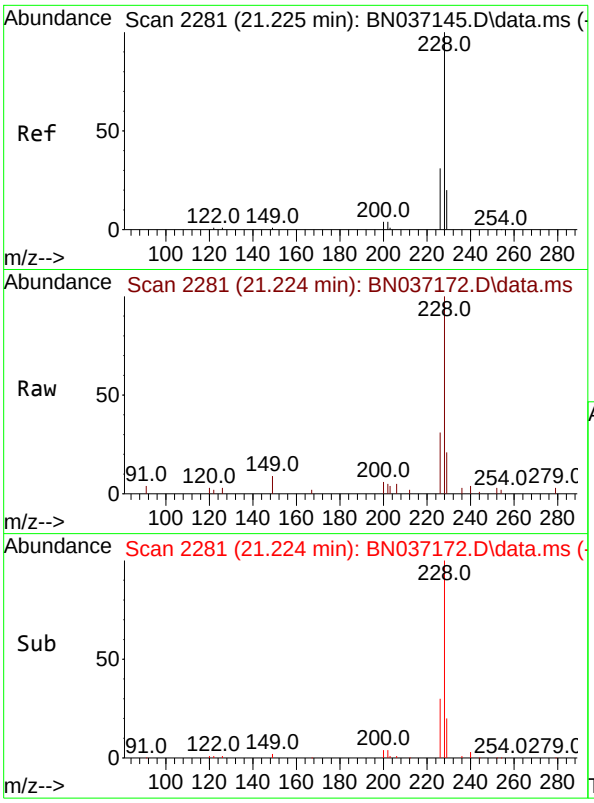


#32
Benzo(a)anthracene
Concen: 0.352 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:228 Resp: 4612

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.5	16.2	24.2



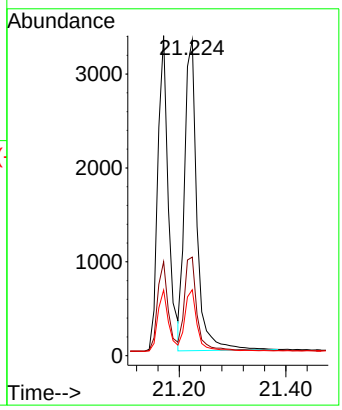


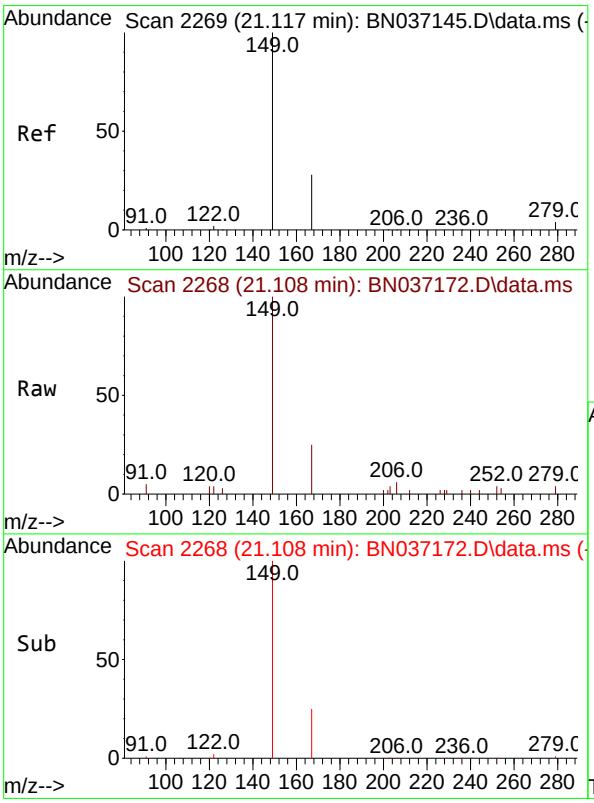
#33
Chrysene
Concen: 0.365 ng
RT: 21.224 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 5327

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.2	37.8
229	20.9	16.8	25.2

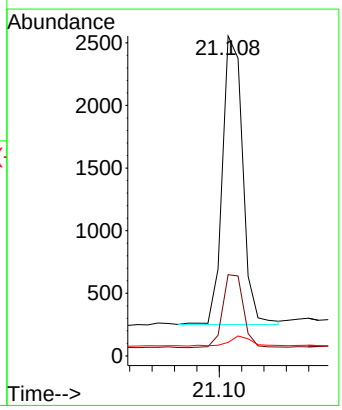


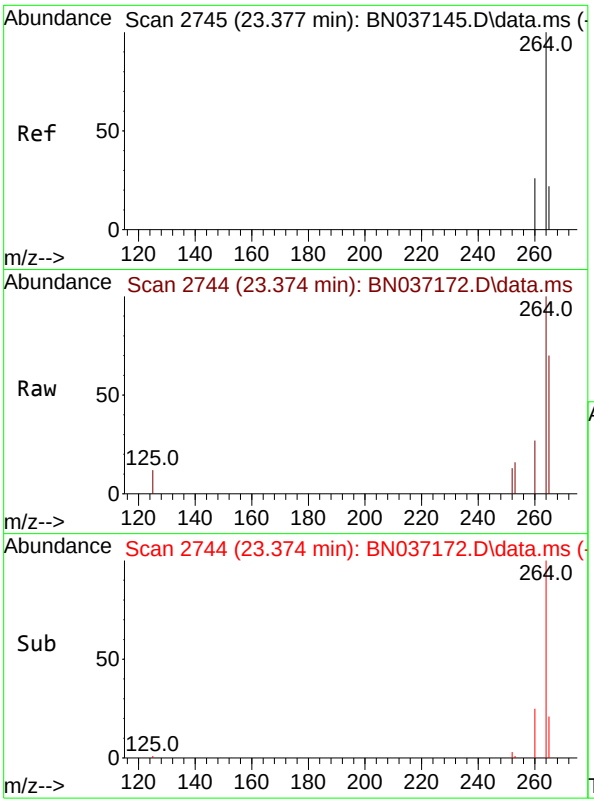


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.350 ng
RT: 21.108 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:149 Resp: 2897

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	3.8	2.9	4.3



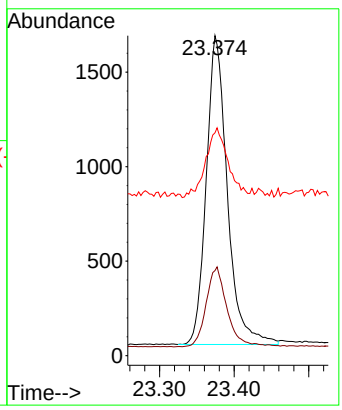


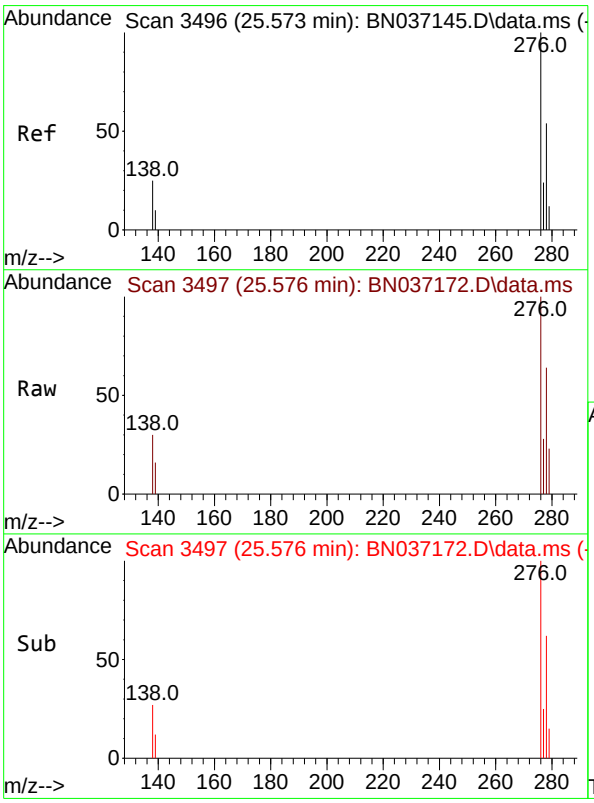
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.374 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 3205

Ion	Ratio	Lower	Upper
264	100		
260	26.6	22.1	33.1
265	69.6	55.8	83.8

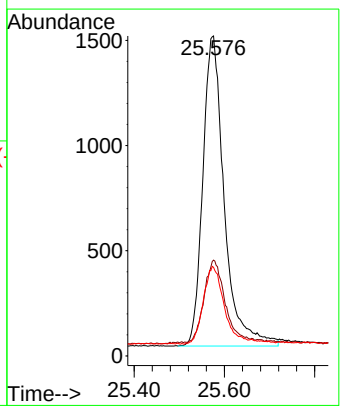


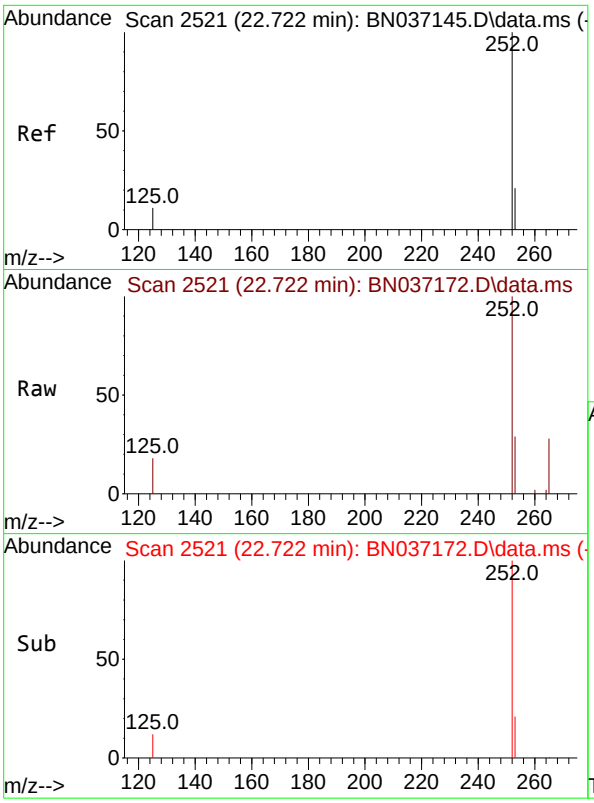


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 25.576 min Scan# 3497
Delta R.T. 0.003 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:276 Resp: 4861

Ion	Ratio	Lower	Upper
276	100		
138	25.7	21.0	31.6
277	24.3	19.4	29.2



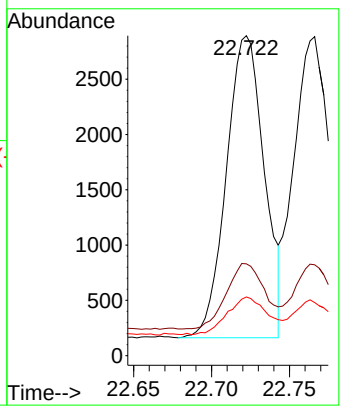


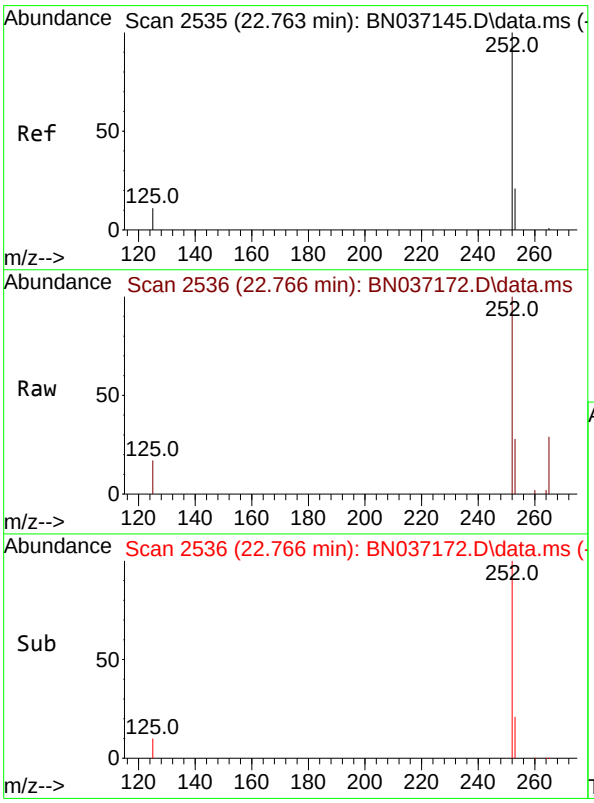
#37
Benzo(b)fluoranthene
Concen: 0.357 ng
RT: 22.722 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 4620

Ion	Ratio	Lower	Upper
252	100		
253	28.7	22.3	33.5
125	18.3	13.2	19.8

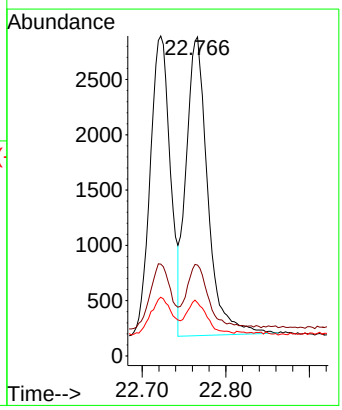


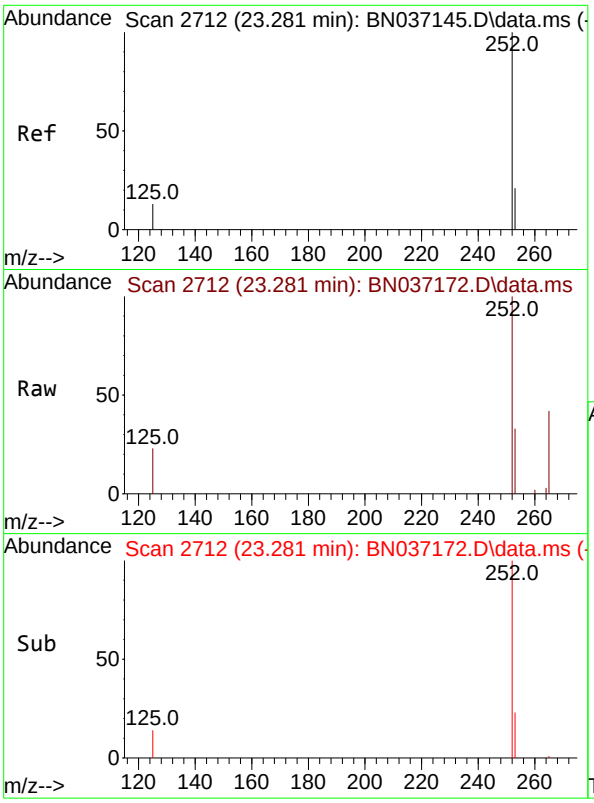


#38
Benzo(k)fluoranthene
Concen: 0.368 ng
RT: 22.766 min Scan# 2536
Delta R.T. 0.003 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:252 Resp: 4861

Ion	Ratio	Lower	Upper
252	100		
253	28.5	22.2	33.4
125	16.6	13.2	19.8



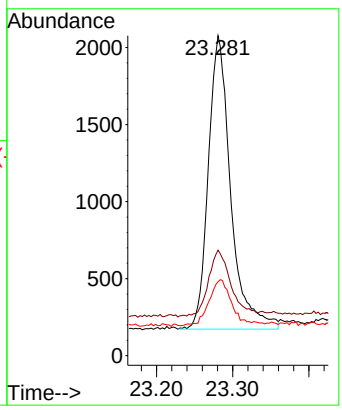


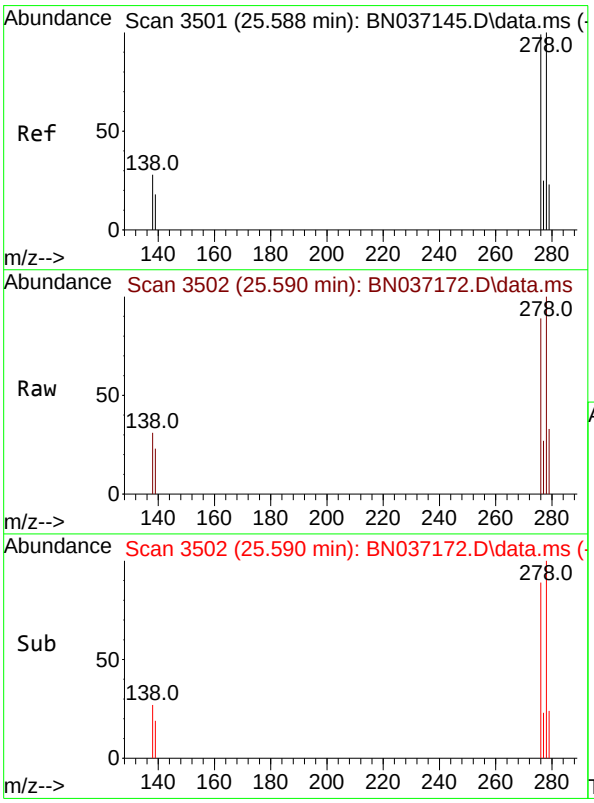
#39
Benzo(a)pyrene
Concen: 0.358 ng
RT: 23.281 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 3883

Ion	Ratio	Lower	Upper
252	100		
253	33.0	25.0	37.4
125	23.1	17.0	25.6

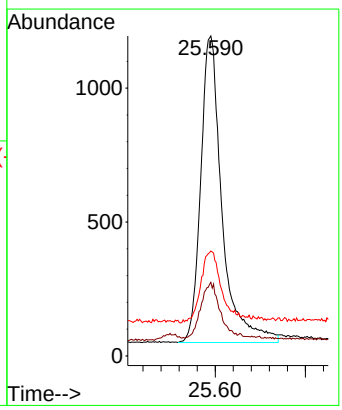


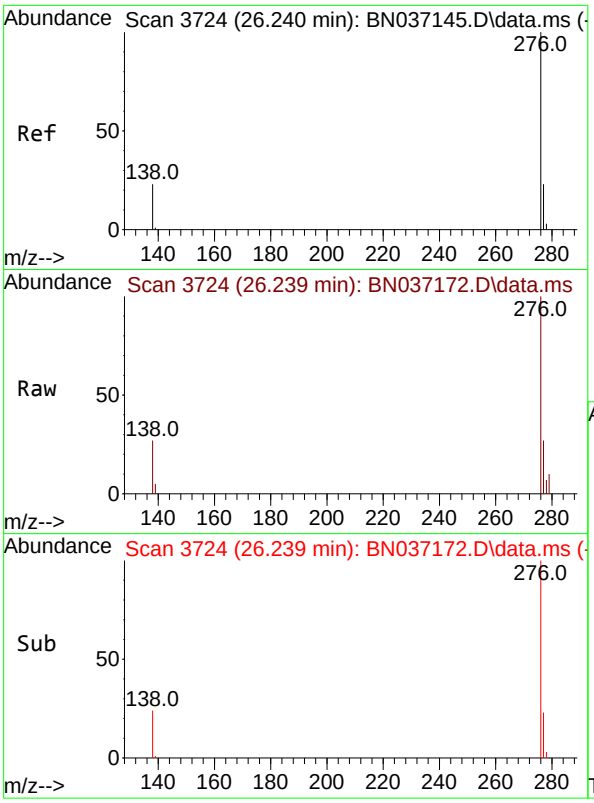


#40
Dibenzo(a,h)anthracene
Concen: 0.382 ng
RT: 25.590 min Scan# 3502
Delta R.T. 0.003 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:278 Resp: 3755

Ion	Ratio	Lower	Upper
278	100		
139	23.0	17.6	26.4
279	32.8	26.0	39.0





#41
Benzo(g,h,i)perylene
Concen: 0.385 ng
RT: 26.239 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 4344

Ion	Ratio	Lower	Upper
276	100		
277	26.8	20.9	31.3
138	27.0	20.8	31.2