Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037600.D
Acq On : 19 Aug 2025 10:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Aug 20 01:24:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2628	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	6457	0.400	ng	# 0.00
13) Acenaphthene-d10	14.344	164	3216	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	6293	0.400	ng	0.00
29) Chrysene-d12	21.267	240	5356	0.400	ng	# 0.00
35) Perylene-d12	23.504	264	5379	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.304	112	2384	0.400	ng	0.00
5) Phenol-d6	6.879	99	2834	0.395	ng	0.00
8) Nitrobenzene-d5	8.853	82	1778	0.391	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	3215	0.366	ng	0.00
14) 2,4,6-Tribromophenol	15.832	330	542	0.385	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	7030	0.378	ng	0.00
27) Fluoranthene-d10	19.117	212	6023	0.364	ng	0.00
31) Terphenyl-d14	19.721	244	4265	0.387	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	1066	0.424	ng	98
3) n-Nitrosodimethylamine	3.542	42	1257	0.391	ng	# 93
6) bis(2-Chloroethyl)ether	7.139	93	2636	0.408	ng	98
9) Naphthalene	10.540	128	6800	0.396	ng	99
10) Hexachlorobutadiene	10.839	225	1625	0.387	ng	# 100
12) 2-Methylnaphthalene	12.161	142	4129	0.383	ng	98
16) Acenaphthylene	14.066	152	5461	0.379	ng	100
17) Acenaphthene	14.408	154	3757	0.383	ng	99
18) Fluorene	15.392	166	4853	0.378	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	277	0.423	ng	97
21) 4-Bromophenyl-phenylether	16.292	248	1480	0.374	ng	# 92
22) Hexachlorobenzene	16.403	284	2223	0.397	ng	99
23) Atrazine	16.552	200	882	0.394	ng	95
24) Pentachlorophenol	16.738	266	775	0.394	ng	97
25) Phenanthrene	17.123	178	7452	0.390	ng	100
26) Anthracene	17.210	178	6342	0.374	ng	99
28) Fluoranthene	19.145	202	8237	0.375	ng	99
30) Pyrene	19.508	202	8114	0.405	ng	100
32) Benzo(a)anthracene	21.250	228	6833	0.382	ng	98
33) Chrysene	21.303	228	8075	0.405	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	2987	0.405	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	8634	0.381	ng	98
37) Benzo(b)fluoranthene	22.832	252	7289	0.358	ng	99
38) Benzo(k)fluoranthene	22.876	252	8761	0.381	ng	99
39) Benzo(a)pyrene	23.405	252	6262	0.370	ng	99
40) Dibenzo(a,h)anthracene	25.779	278	6490	0.369	ng	99
41) Benzo(g,h,i)perylene	26.448	276	7193	0.388	ng	99

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

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Instrument :
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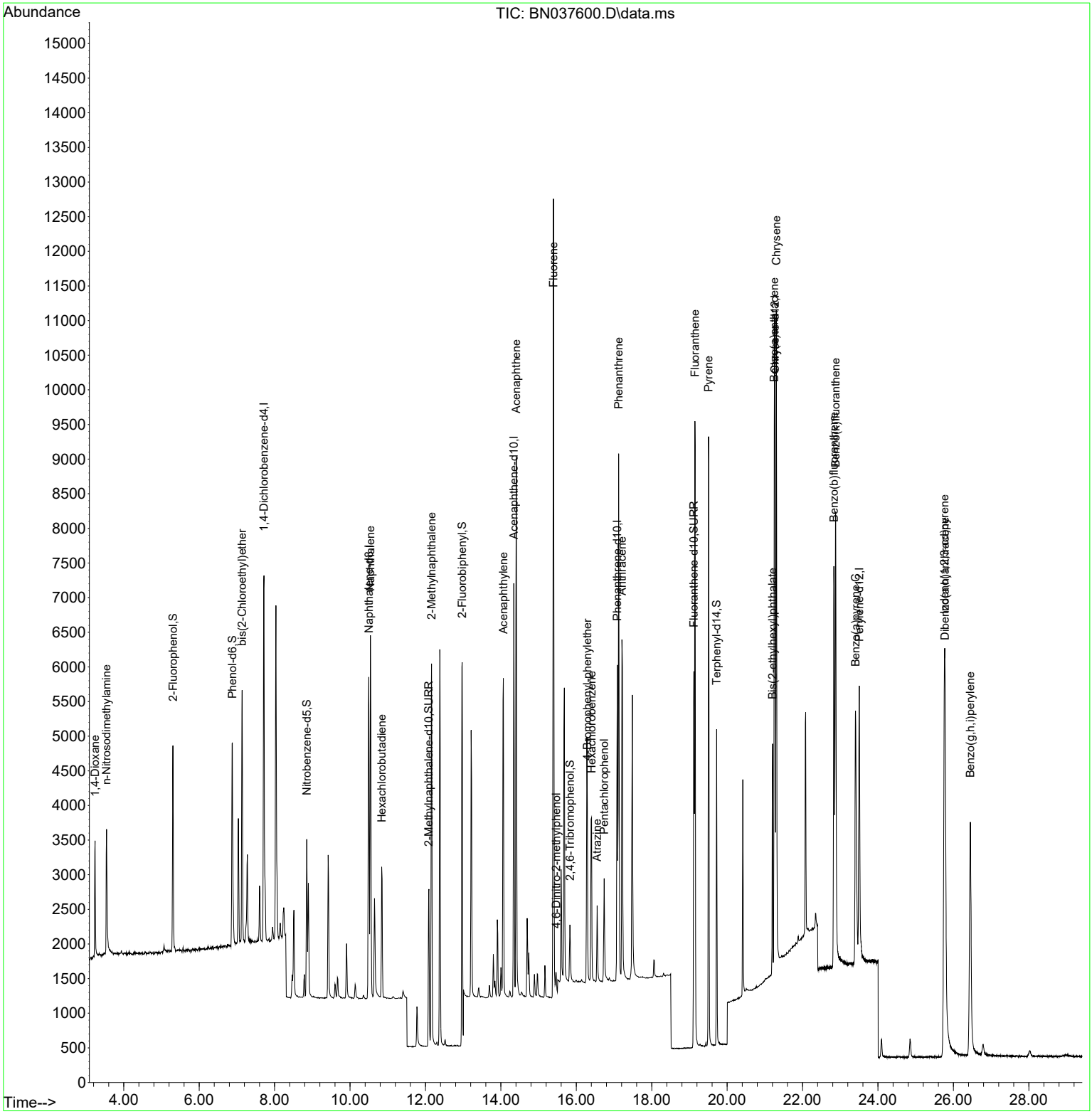
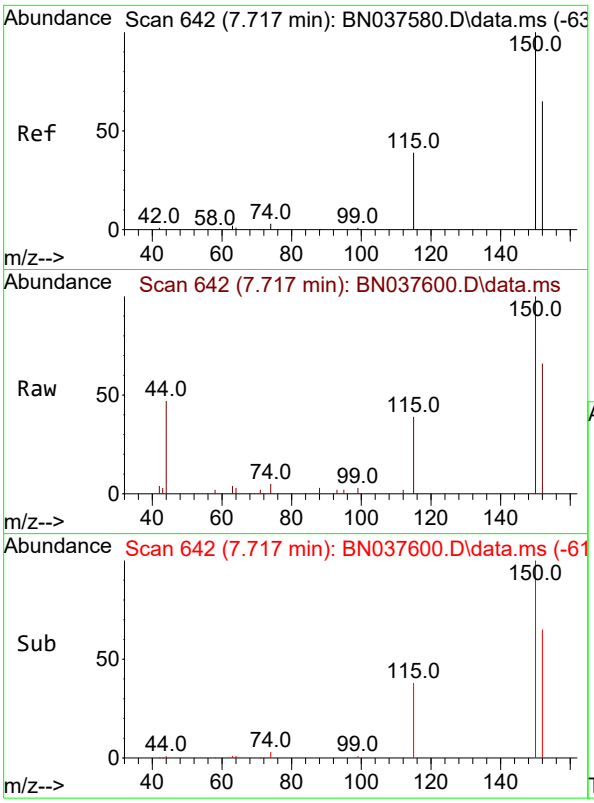
Quant Time: Aug 20 01:24:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



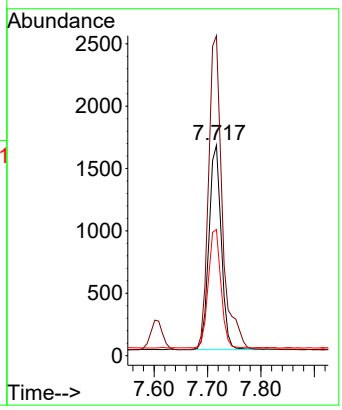


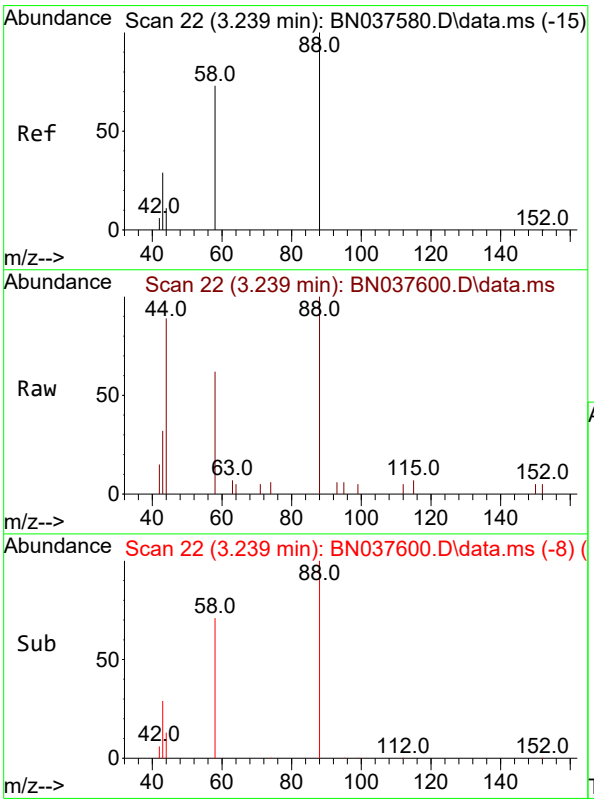
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2628

Ion	Ratio	Lower	Upper
152	100		
150	152.1	122.2	183.4
115	59.9	49.8	74.6

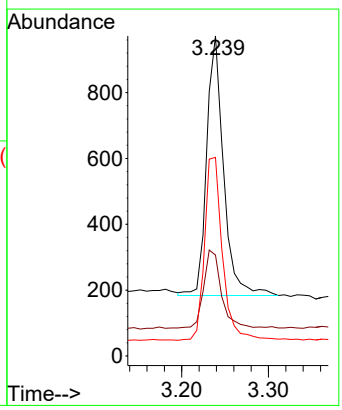


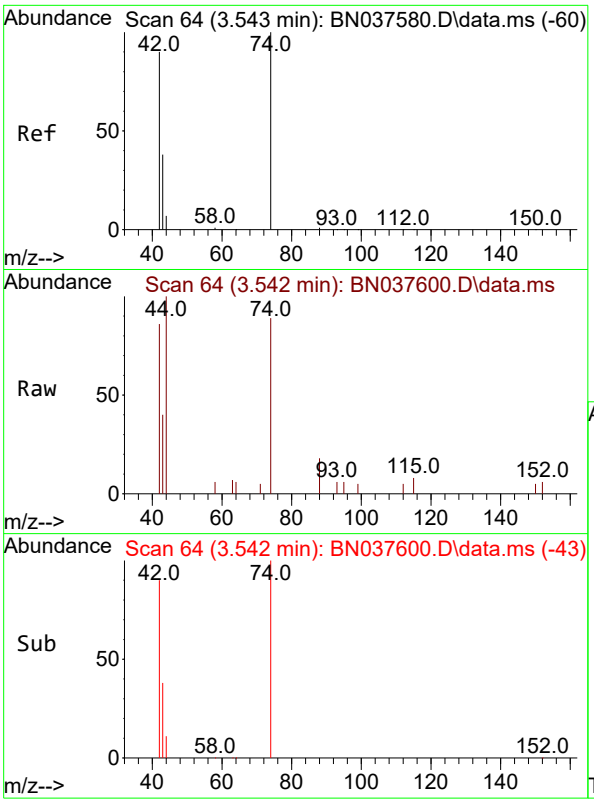


#2
1,4-Dioxane
Concen: 0.424 ng
RT: 3.239 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion: 88 Resp: 1066

Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.8	38.6
58	74.8	61.2	91.8



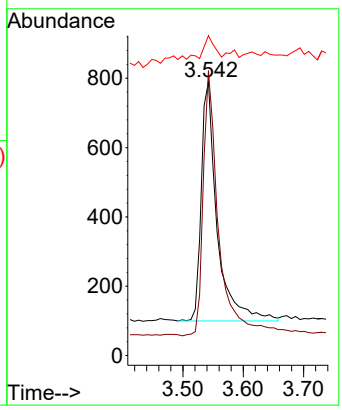


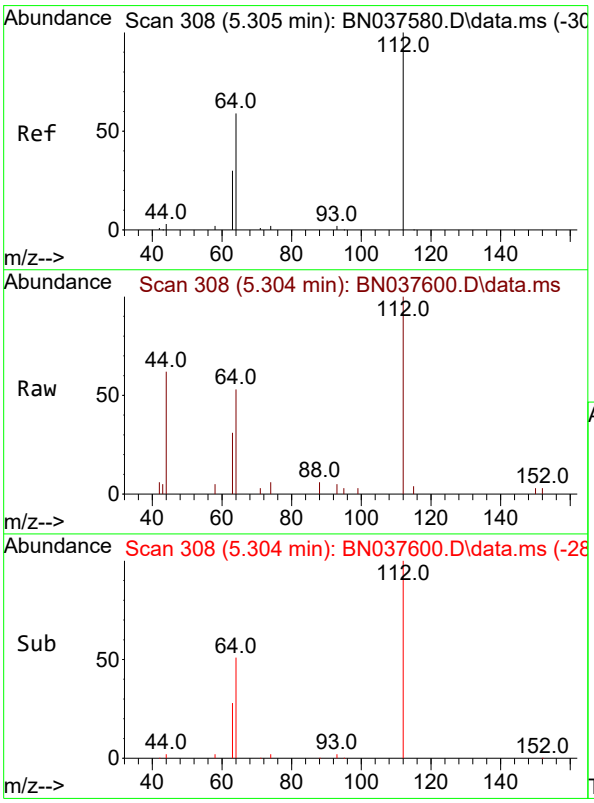
#3
n-Nitrosodimethylamine
Concen: 0.391 ng
RT: 3.542 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1257

Ion	Ratio	Lower	Upper
42	100		
74	109.4	82.0	123.0
44	6.0	7.9	11.9#

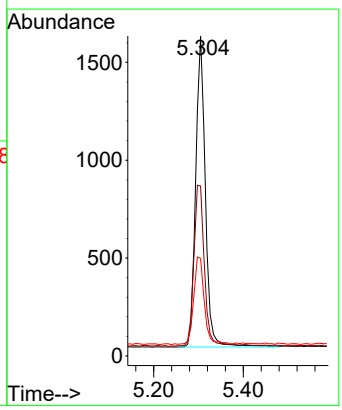


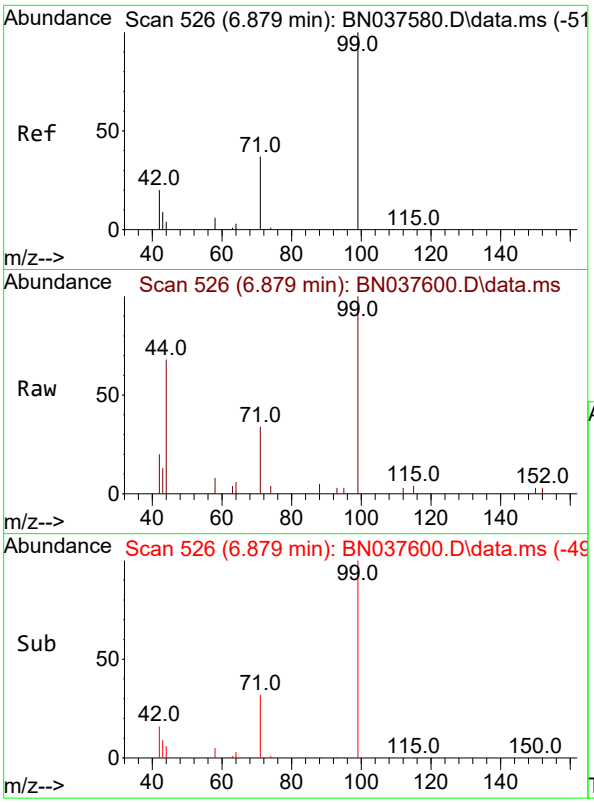


#4
2-Fluorophenol
Concen: 0.400 ng
RT: 5.304 min Scan# 308
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:112 Resp: 2384

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.9	67.3
63	31.0	23.4	35.2



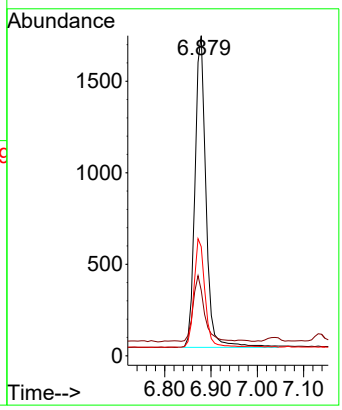


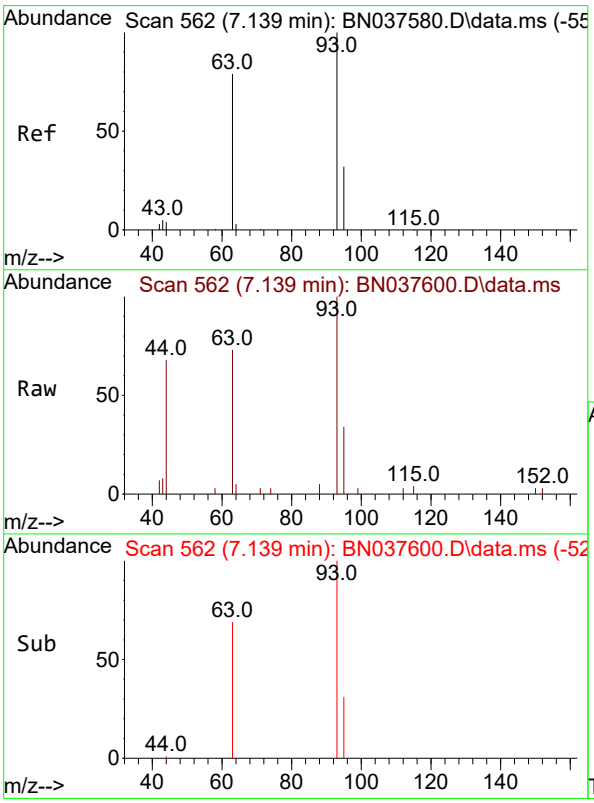
#5
Phenol-d6
Concen: 0.395 ng
RT: 6.879 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2834

Ion	Ratio	Lower	Upper
99	100		
42	21.3	18.5	27.7
71	34.5	28.6	42.8

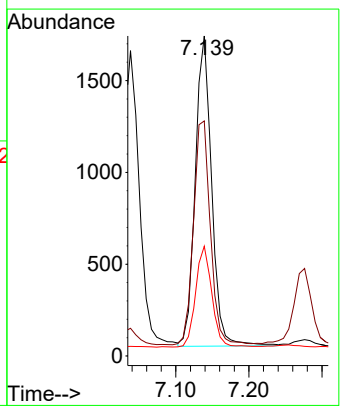


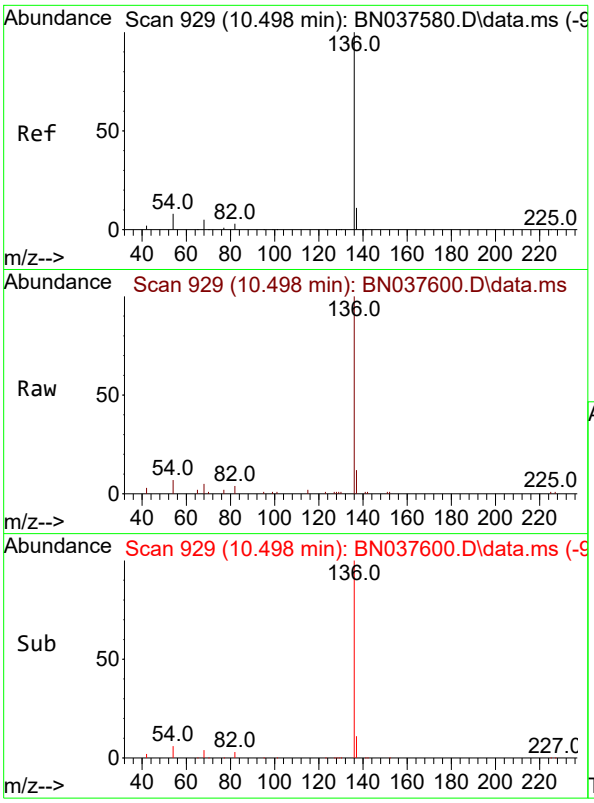


#6
bis(2-Chloroethyl)ether
Concen: 0.408 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion: 93 Resp: 2636

Ion	Ratio	Lower	Upper
93	100		
63	73.9	58.0	87.0
95	32.0	24.9	37.3



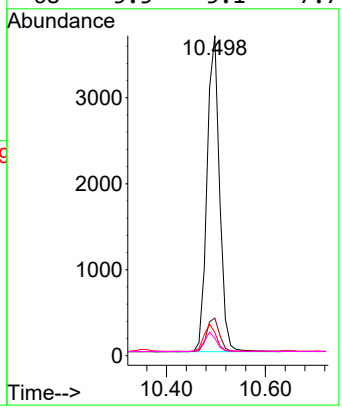


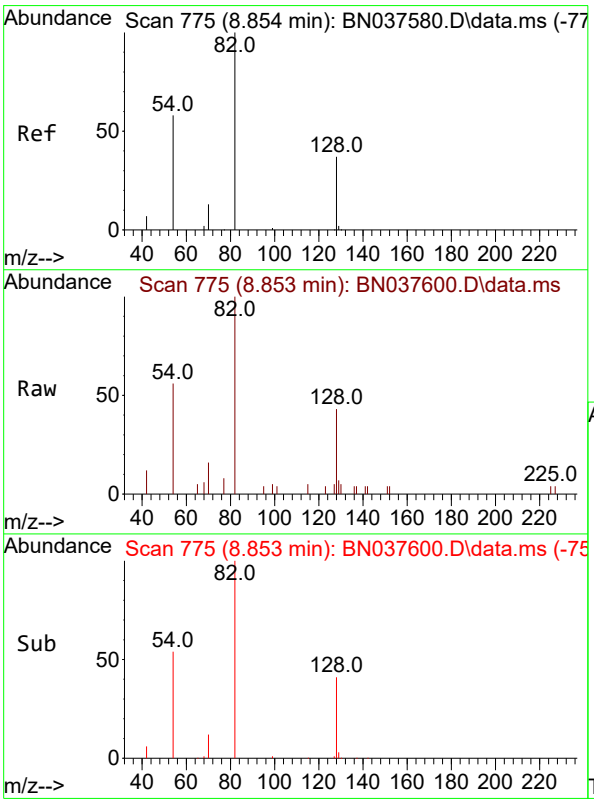
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6457

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	7.2	7.3	10.9#
68	5.5	5.1	7.7

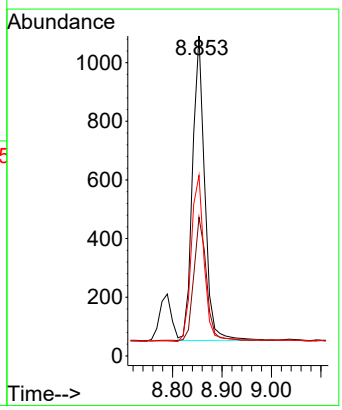


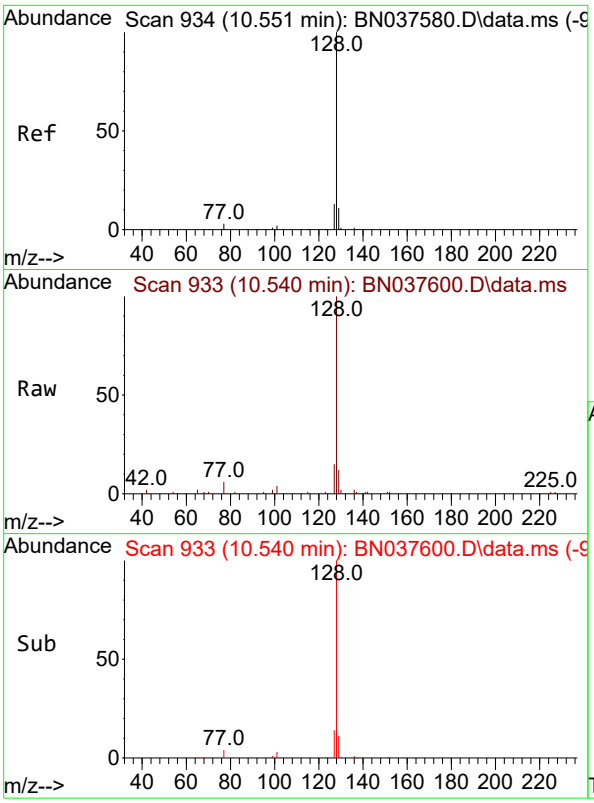


#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.853 min Scan# 775
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion: 82 Resp: 1778

Ion	Ratio	Lower	Upper
82	100		
128	43.4	32.6	48.8
54	56.5	48.9	73.3



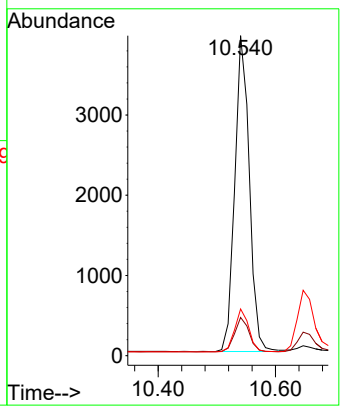


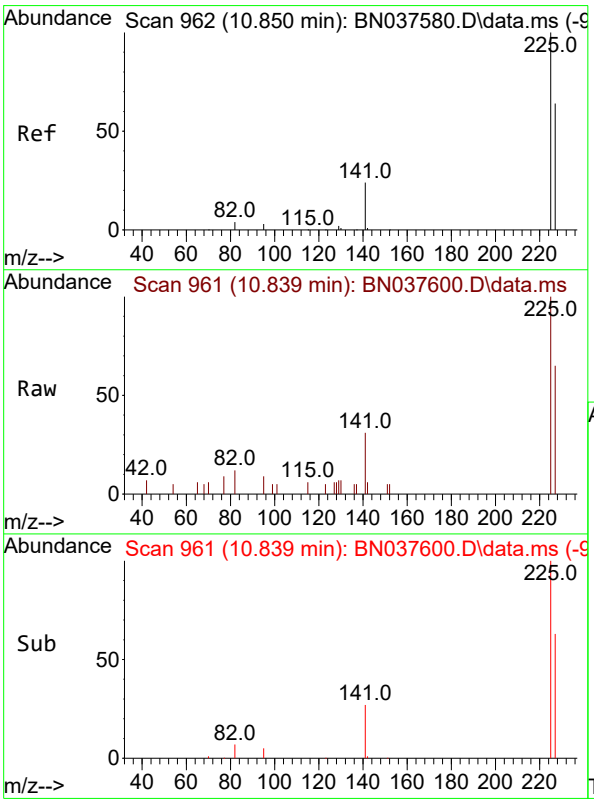
#9
Naphthalene
Concen: 0.396 ng
RT: 10.540 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 6800

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.8	14.6
127	14.6	11.5	17.3

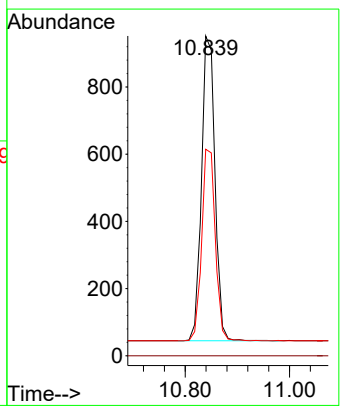


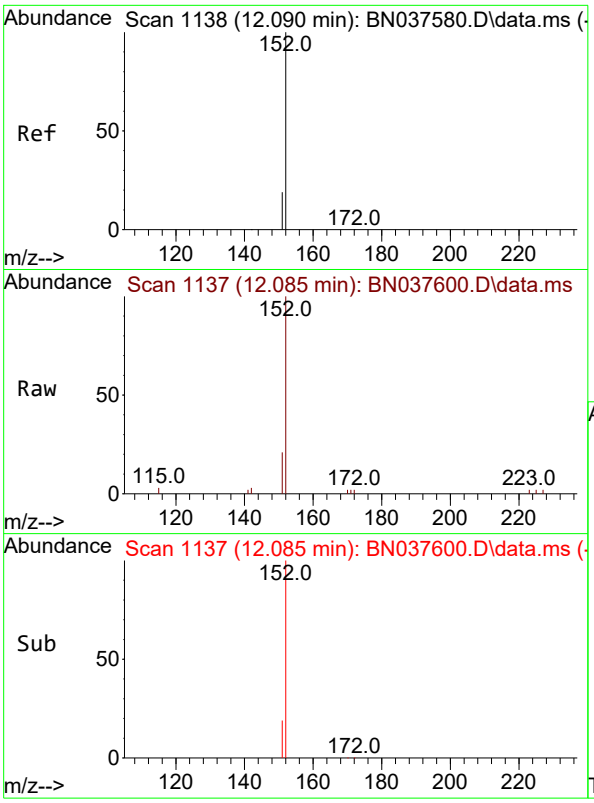


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.839 min Scan# 961
Delta R.T. -0.011 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:225 Resp: 1625

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	50.8	76.2



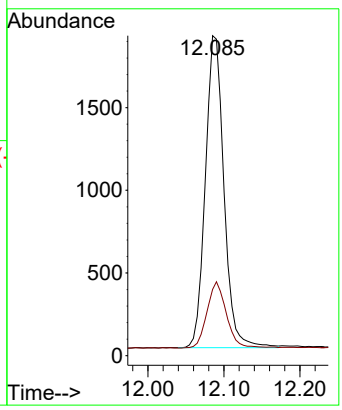


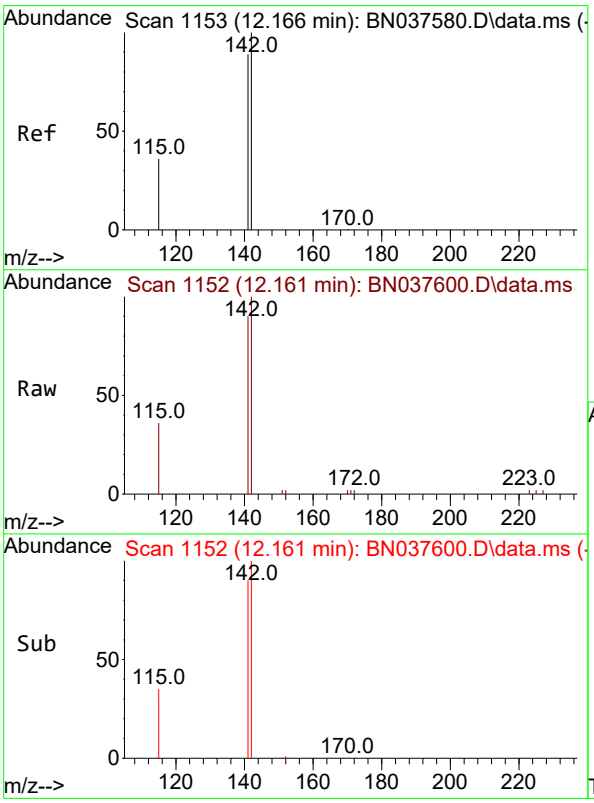
#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.085 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3215

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.3	25.9

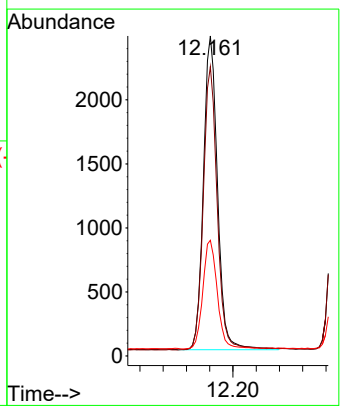


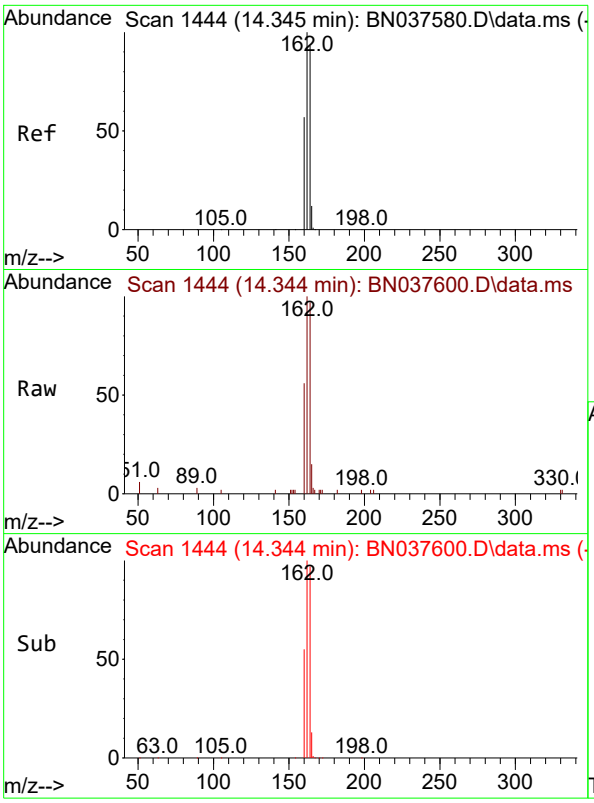


#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 12.161 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:142 Resp: 4129

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.4	107.0
115	36.2	30.2	45.4



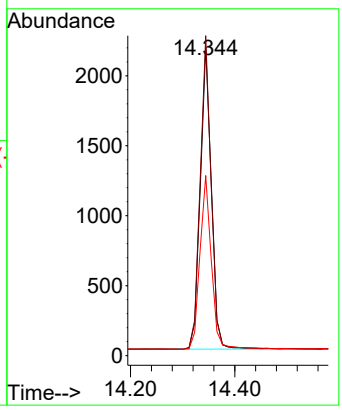


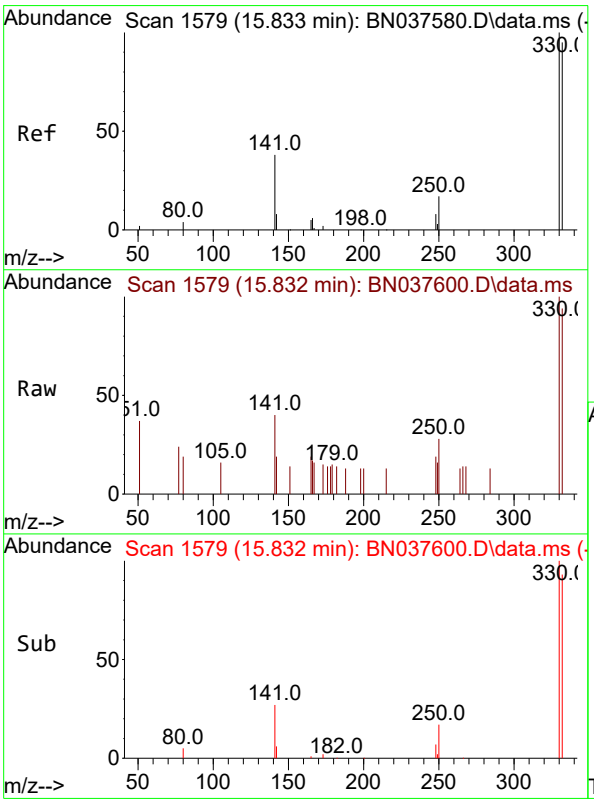
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.344 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3216

Ion	Ratio	Lower	Upper
164	100		
162	103.5	85.5	128.3
160	58.2	49.5	74.3

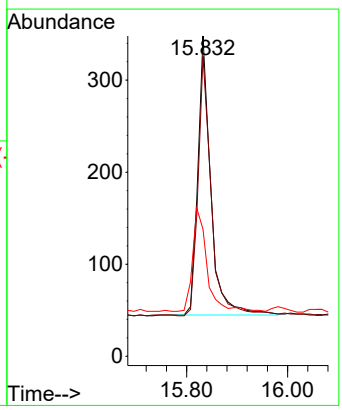


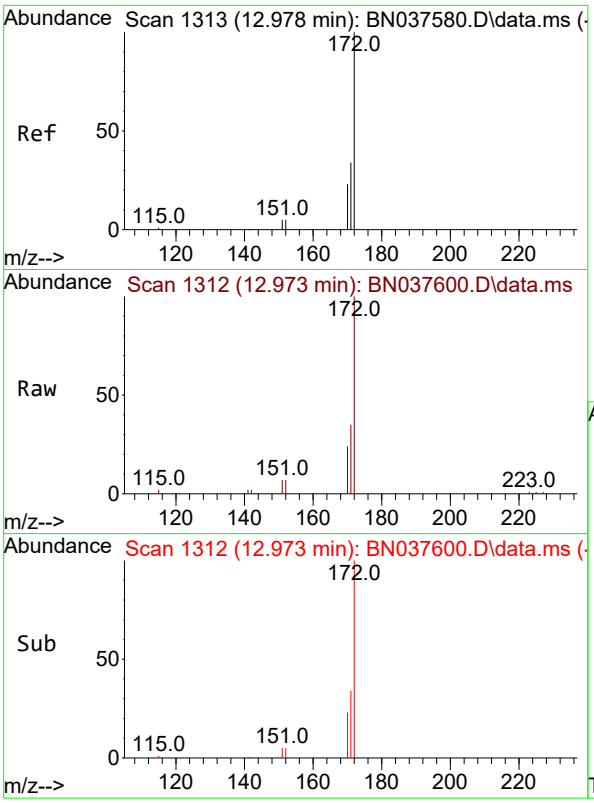


#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 15.832 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:330 Resp: 542

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	40.6	30.9	46.3



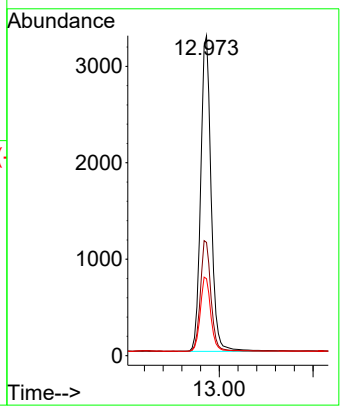


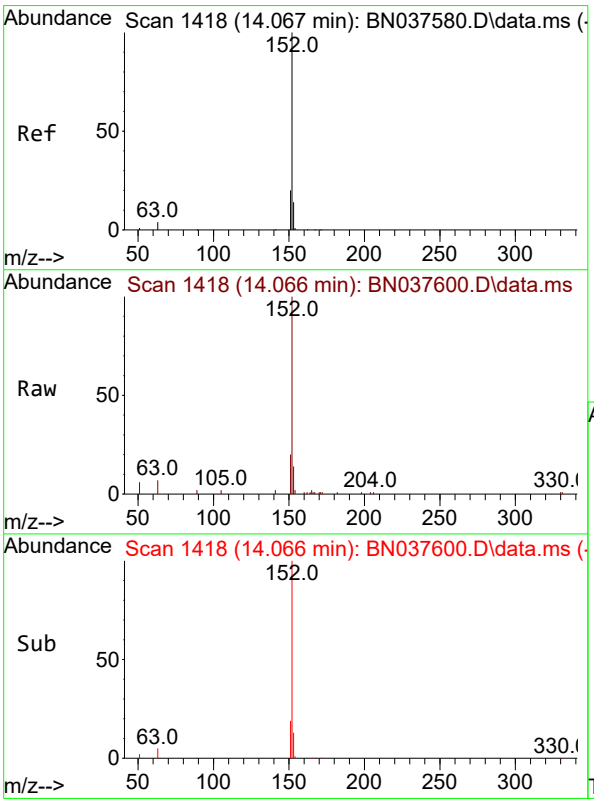
#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7030

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	24.1	19.2	28.8

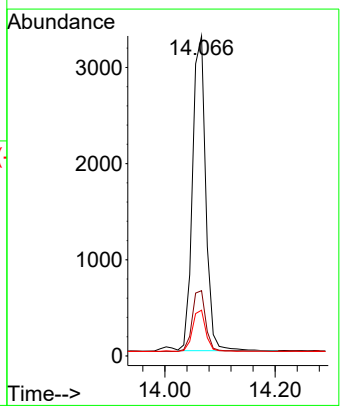


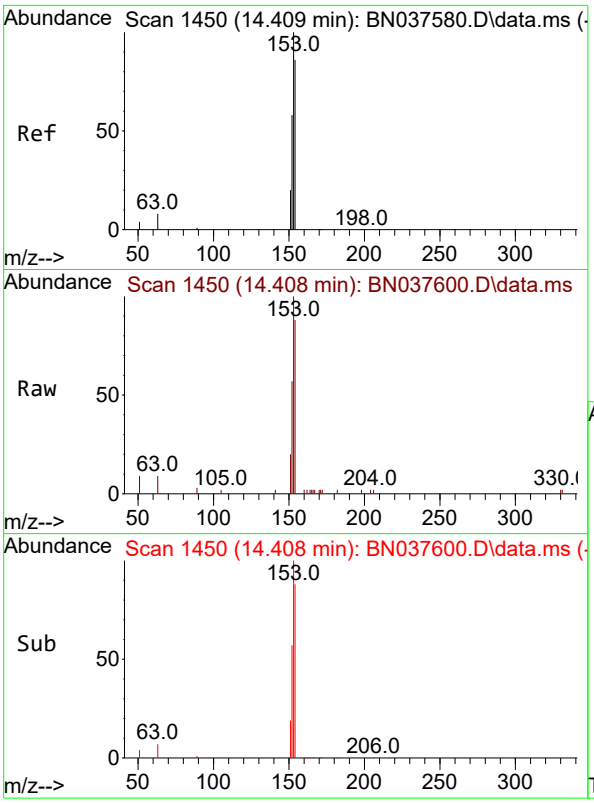


#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.066 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:152 Resp: 5461

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.3	10.7	16.1



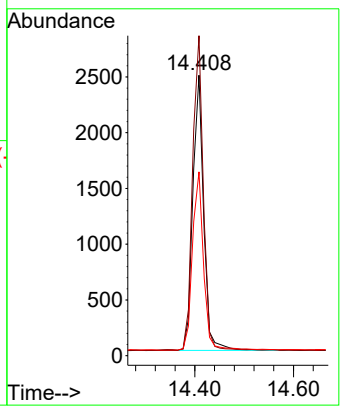


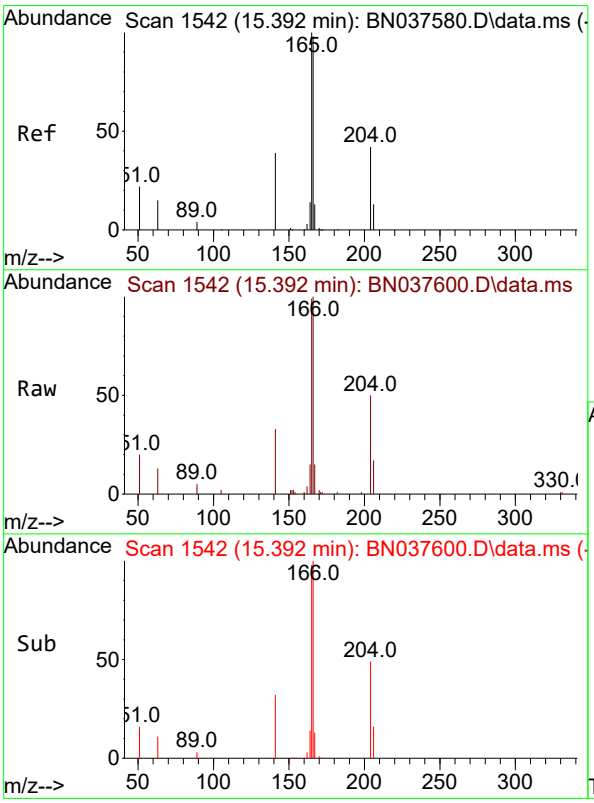
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.408 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3757

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.6	135.8
152	66.7	54.9	82.3

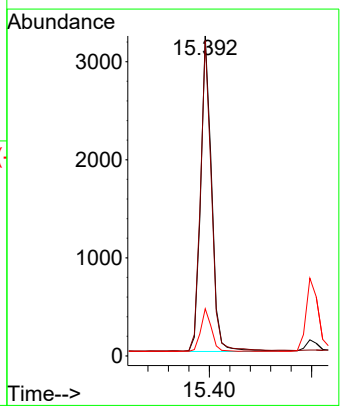


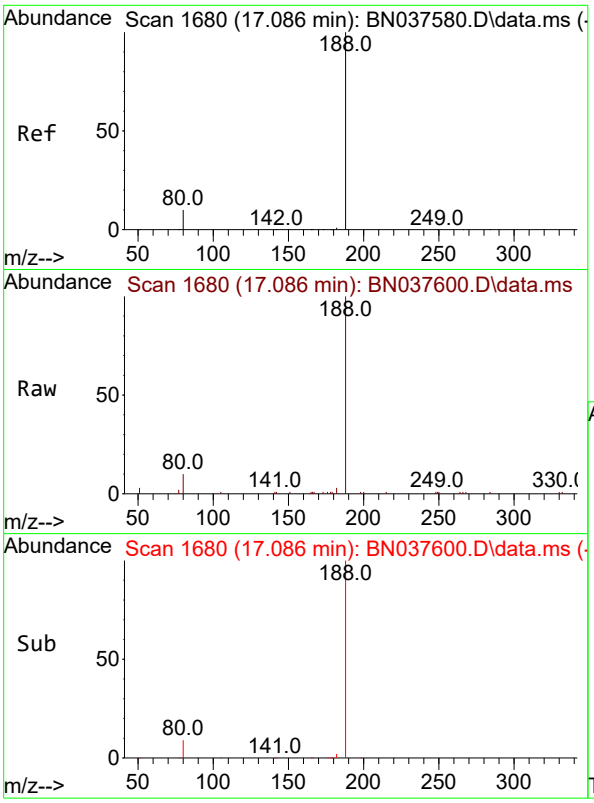


#18
Fluorene
Concen: 0.378 ng
RT: 15.392 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:166 Resp: 4853

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.9	118.3
167	13.3	10.7	16.1



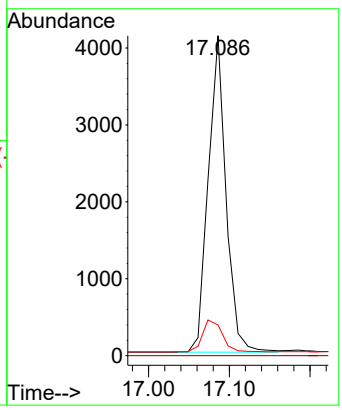


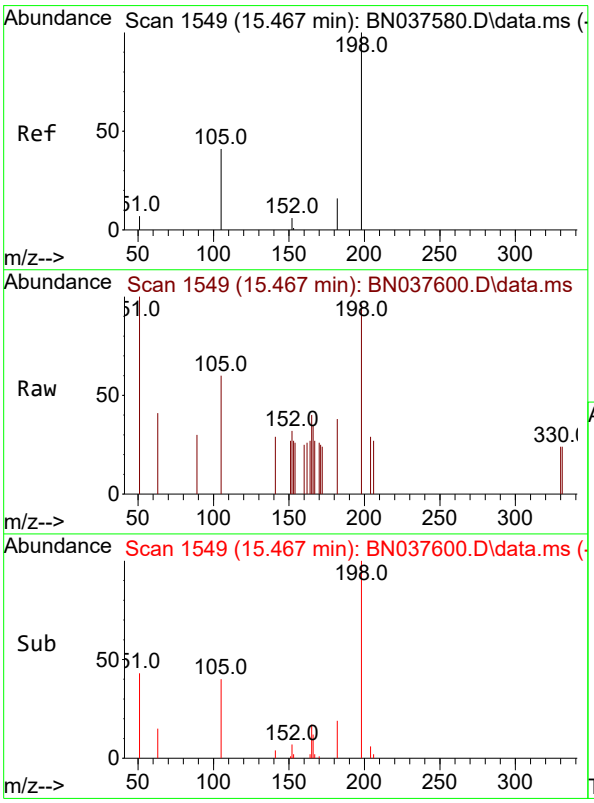
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6293

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	9.1	13.7

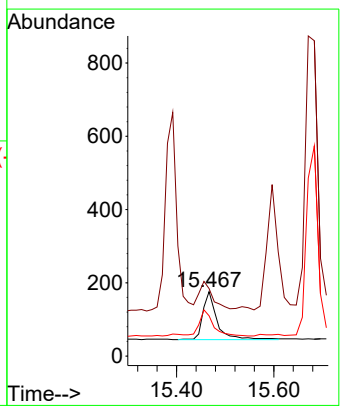


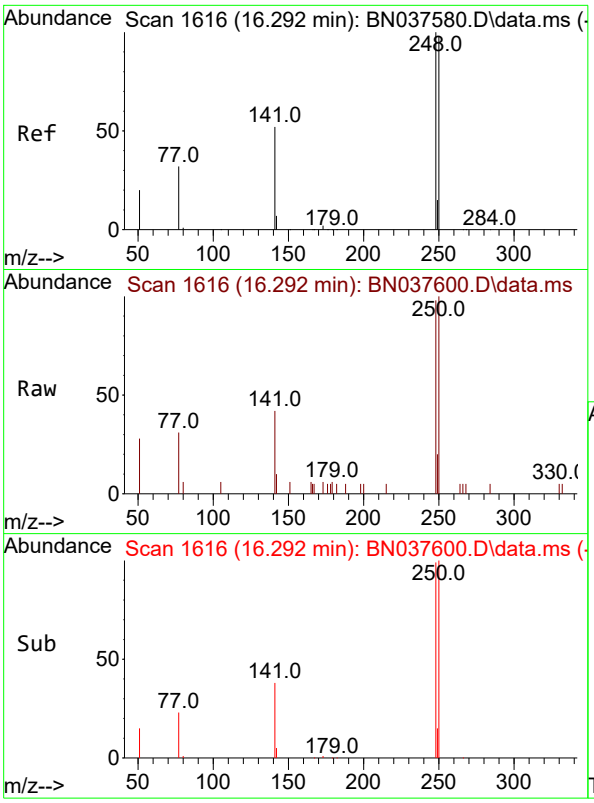


#20
4,6-Dinitro-2-methylphenol
Concen: 0.423 ng
RT: 15.467 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:198 Resp: 277

Ion	Ratio	Lower	Upper
198	100		
51	104.5	81.0	121.6
105	62.5	52.5	78.7



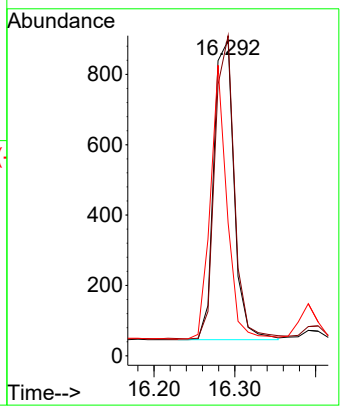


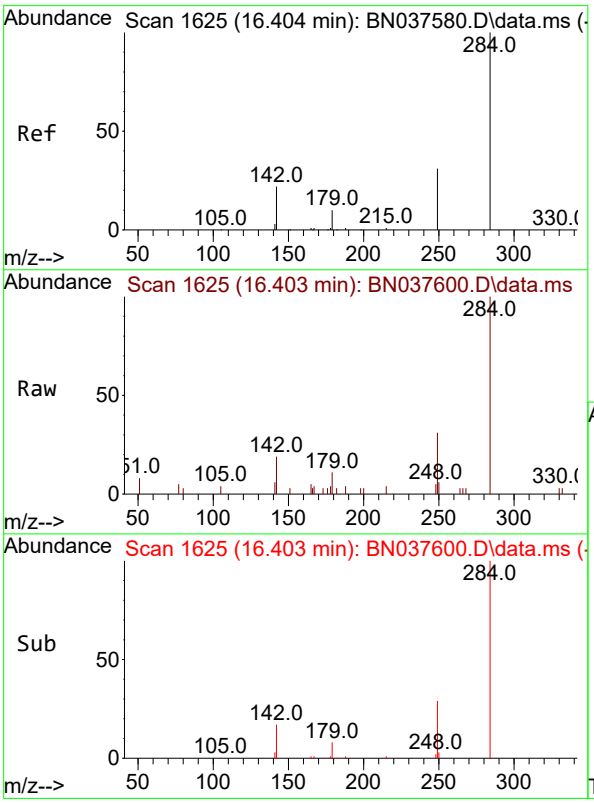
#21
4-Bromophenyl-phenylether
Concen: 0.374 ng
RT: 16.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1480

Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.6	118.0
141	42.2	43.7	65.5#

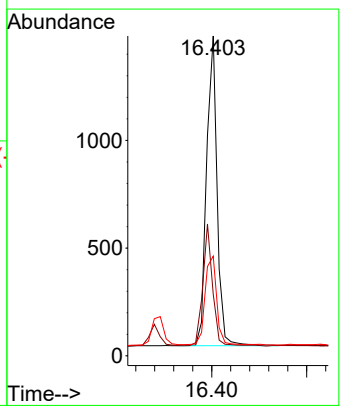


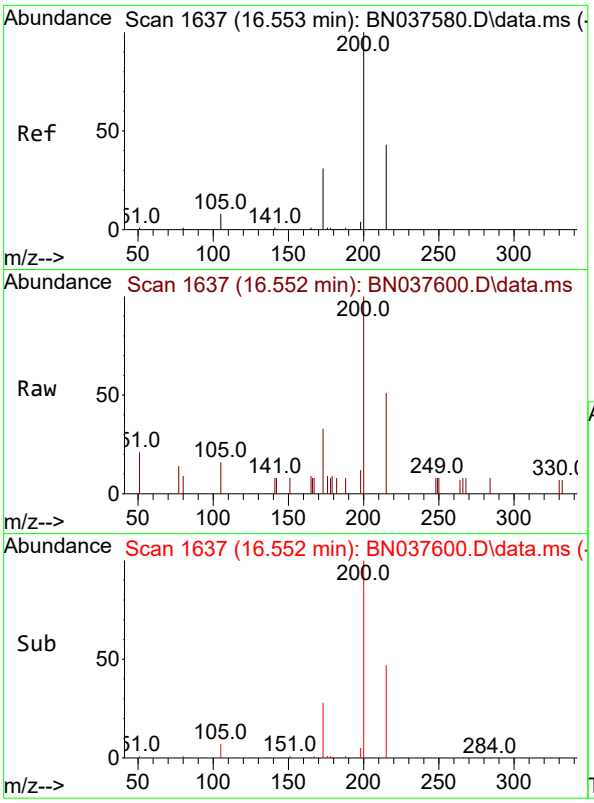


#22
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.403 min Scan# 1625
Delta R.T. -0.001 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:284 Resp: 2223

Ion	Ratio	Lower	Upper
284	100		
142	36.6	29.8	44.6
249	32.0	26.0	39.0



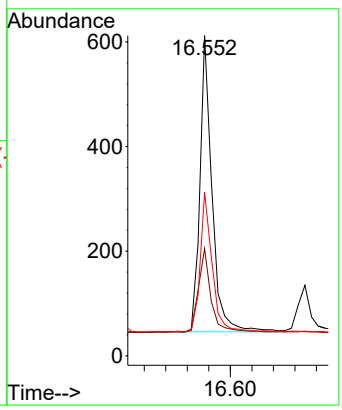


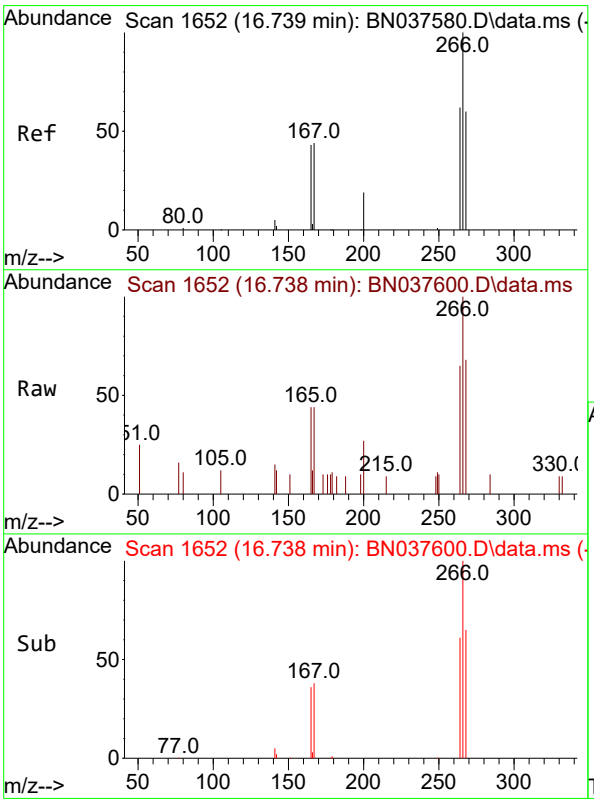
#23
Atrazine
Concen: 0.394 ng
RT: 16.552 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 882

Ion	Ratio	Lower	Upper
200	100		
173	33.5	31.0	46.4
215	51.1	39.4	59.0

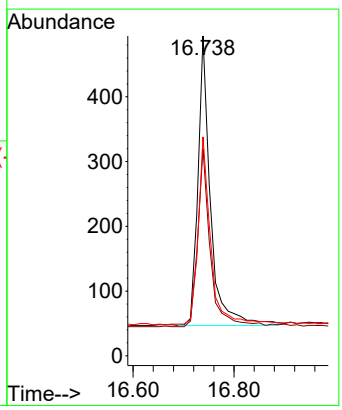


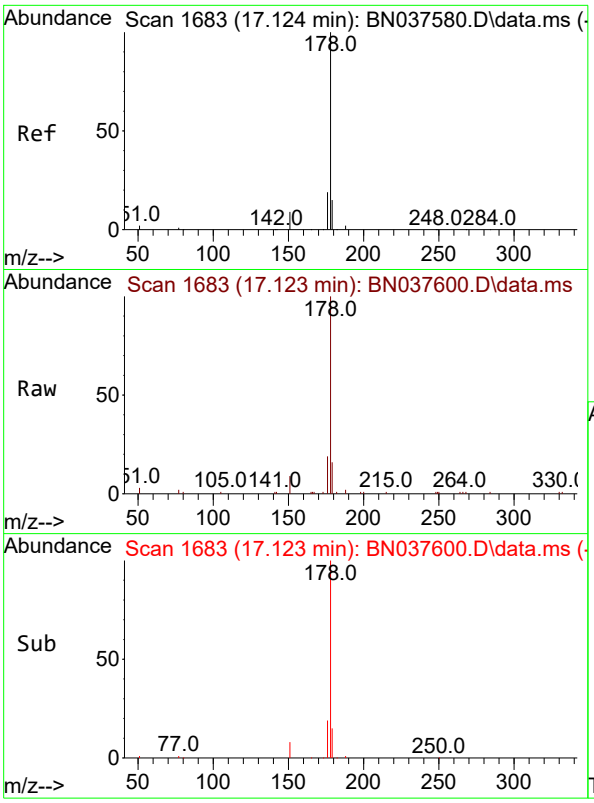


#24
Pentachlorophenol
Concen: 0.394 ng
RT: 16.738 min Scan# 1652
Delta R.T. -0.001 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:266 Resp: 775

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.6	74.4
268	65.7	49.2	73.8



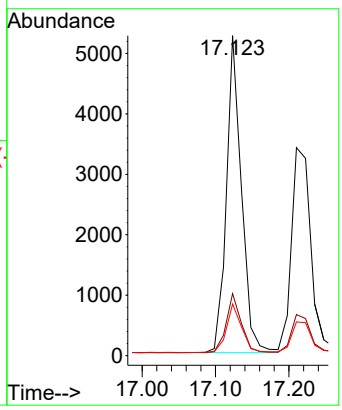


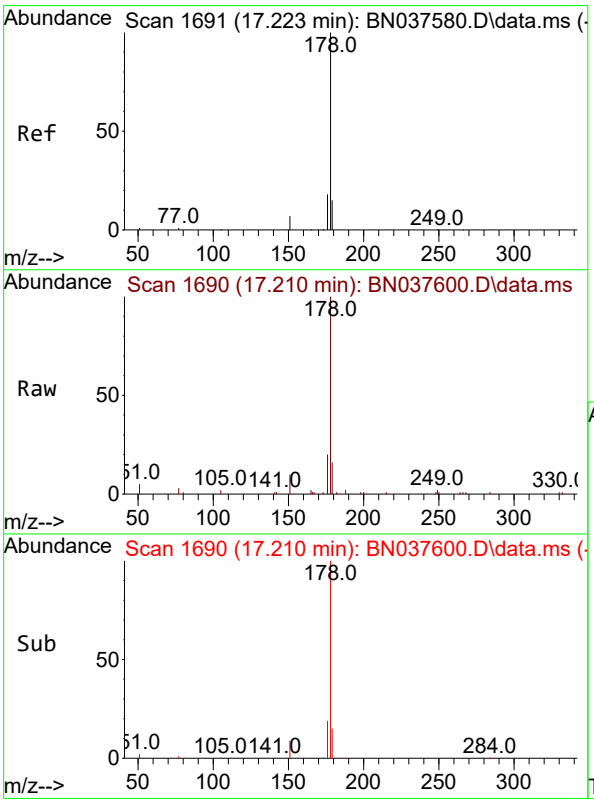
#25
Phenanthrene
Concen: 0.390 ng
RT: 17.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 7452

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.3	12.3	18.5

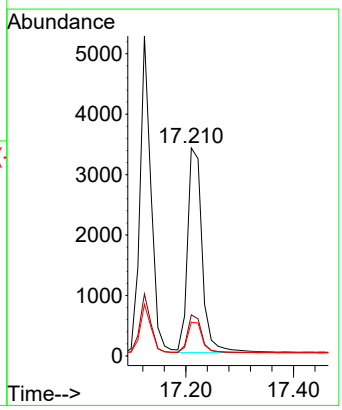


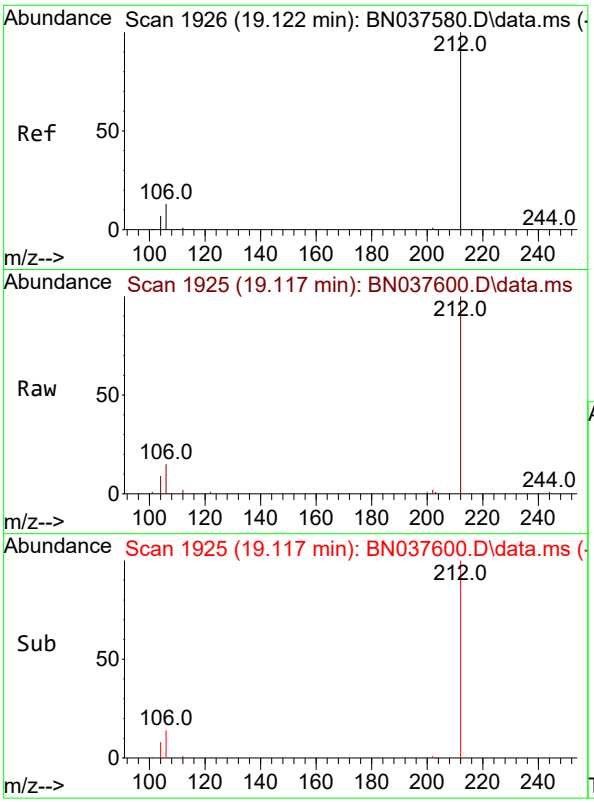


#26
Anthracene
Concen: 0.374 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:178 Resp: 6342

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	14.9	12.3	18.5



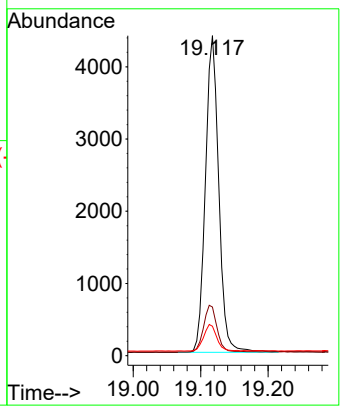


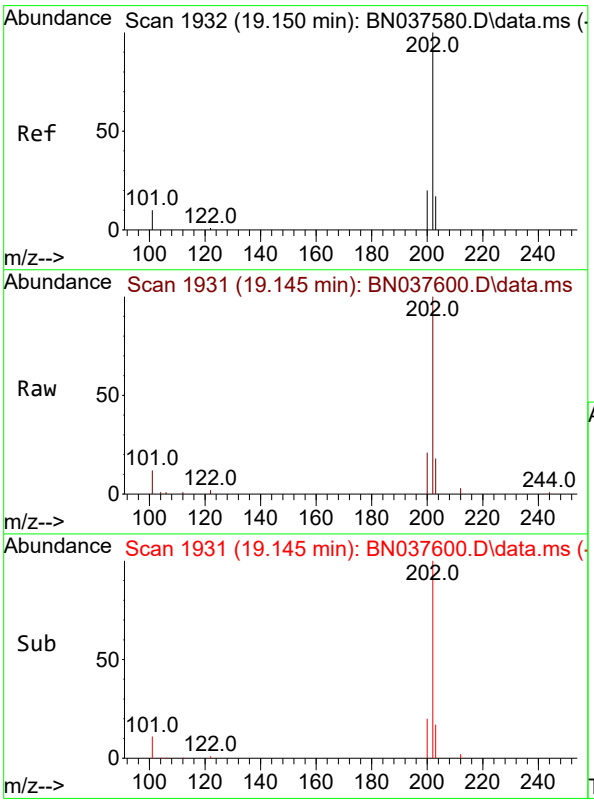
#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.117 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 6023

Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.5	17.3
104	8.1	6.6	9.8

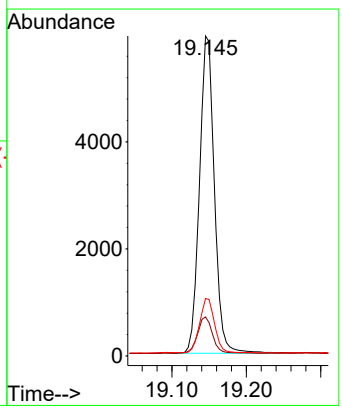


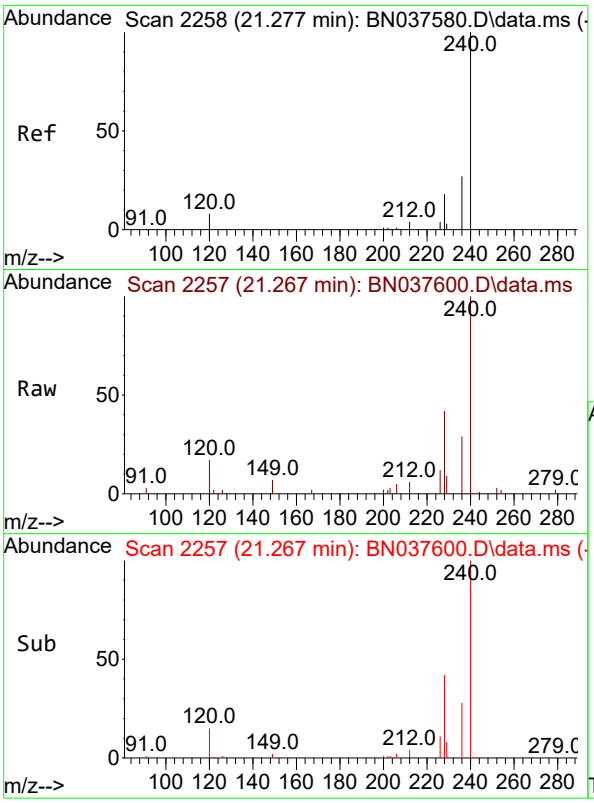


#28
Fluoranthene
Concen: 0.375 ng
RT: 19.145 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:202 Resp: 8237

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.0	13.6
203	17.1	13.8	20.8



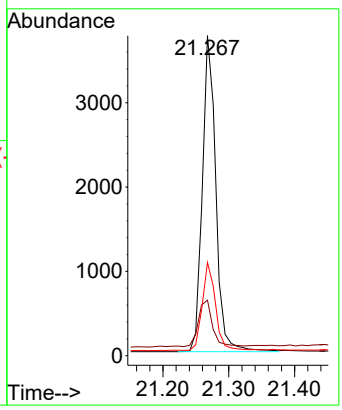


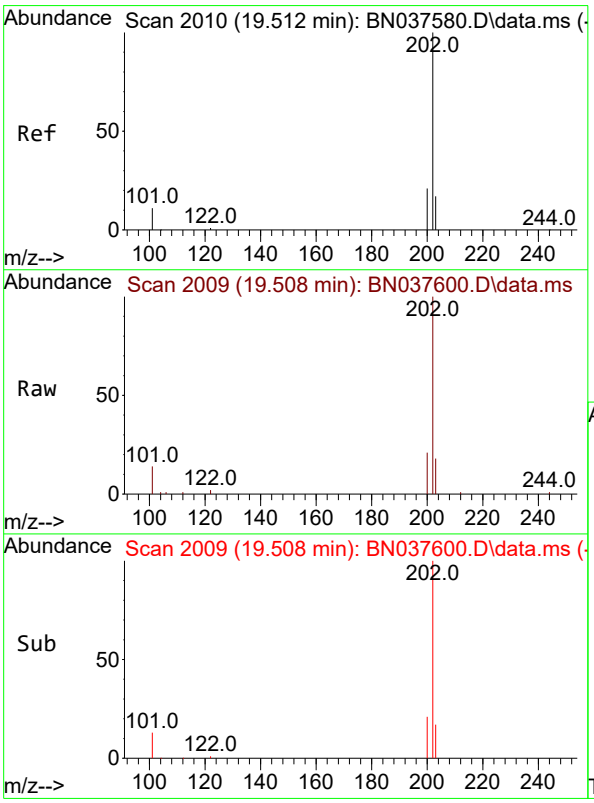
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.267 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5356

Ion	Ratio	Lower	Upper
240	100		
120	17.3	8.9	13.3#
236	29.1	22.6	33.8

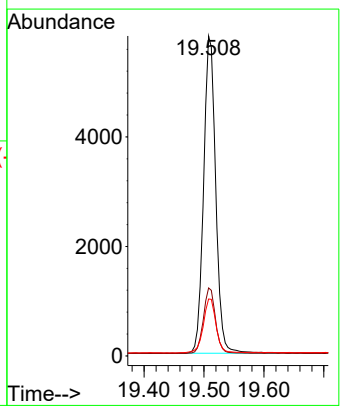


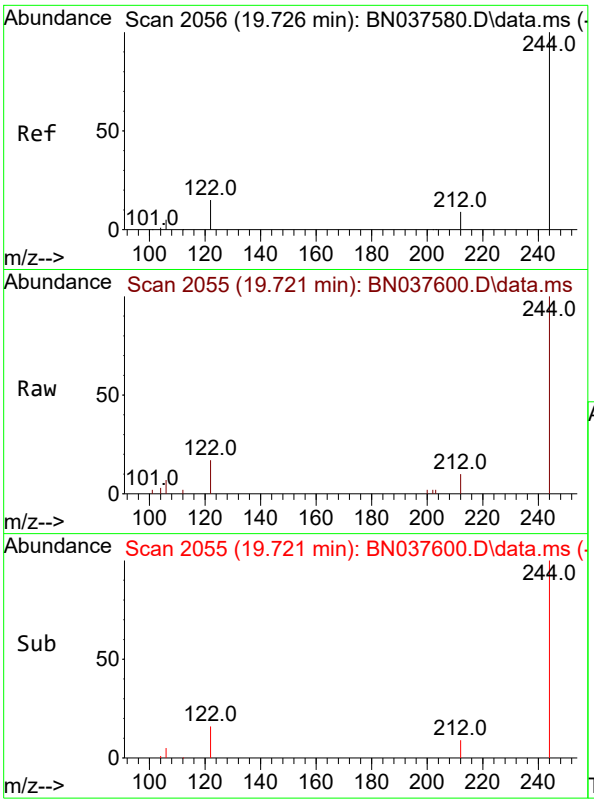


#30
Pyrene
Concen: 0.405 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:202 Resp: 8114

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.9	14.3	21.5



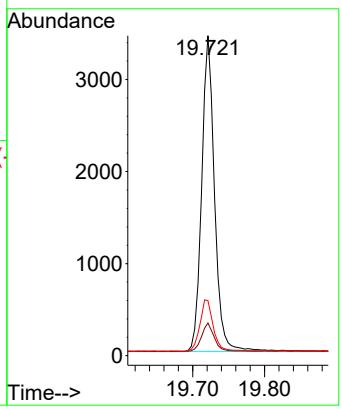


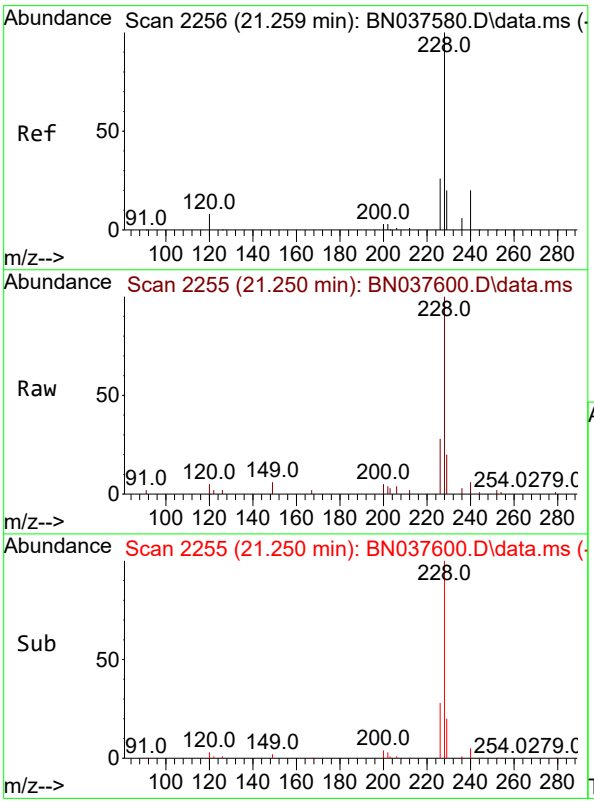
#31
Terphenyl-d14
Concen: 0.387 ng
RT: 19.721 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 4265

Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.2	12.2
122	17.2	13.2	19.8

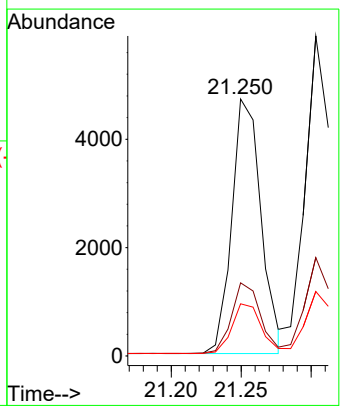


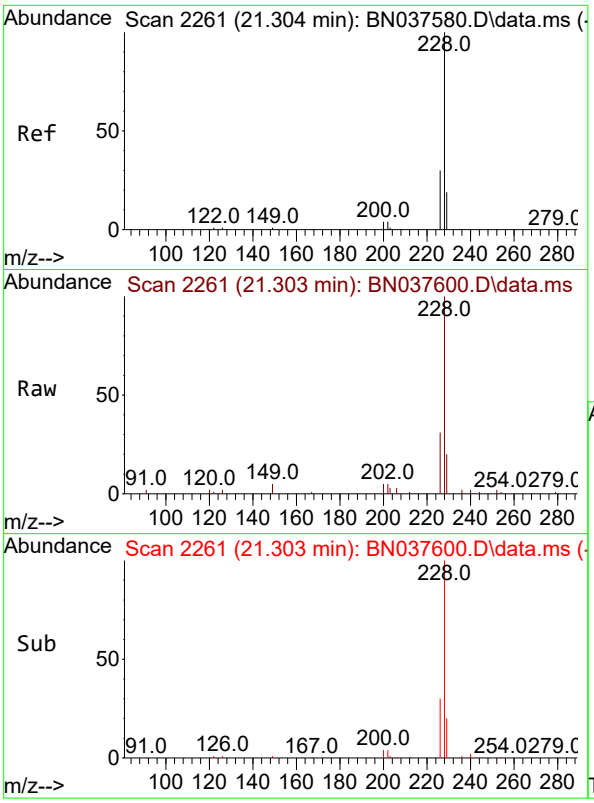


#32
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:228 Resp: 6833

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.5	32.3
229	20.3	16.5	24.7



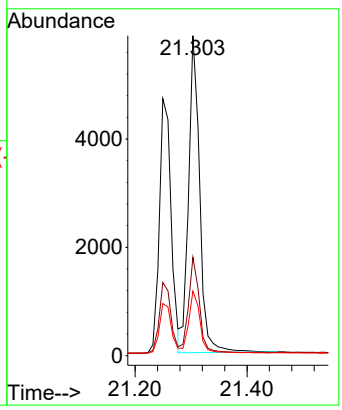


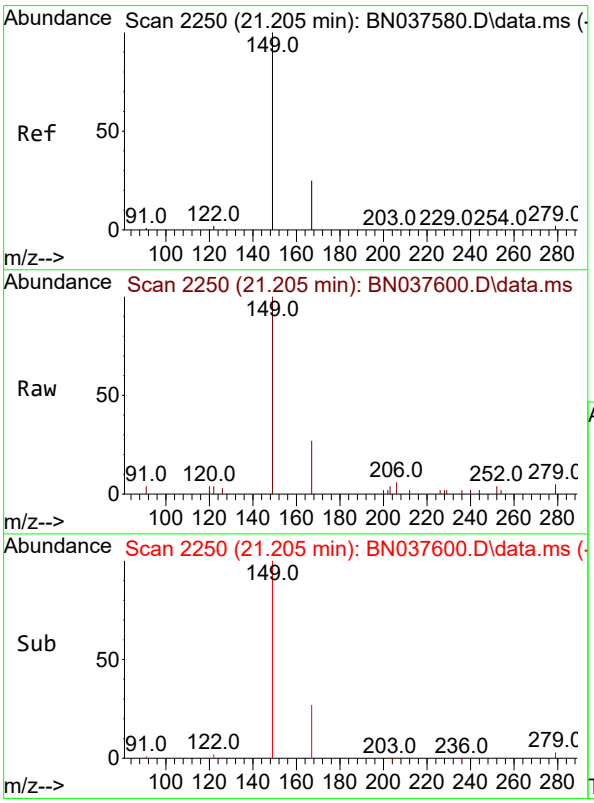
#33
Chrysene
Concen: 0.405 ng
RT: 21.303 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 8075

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	20.1	15.8	23.8

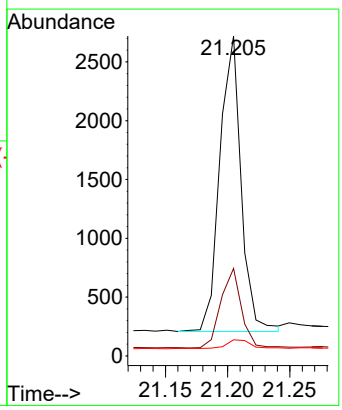


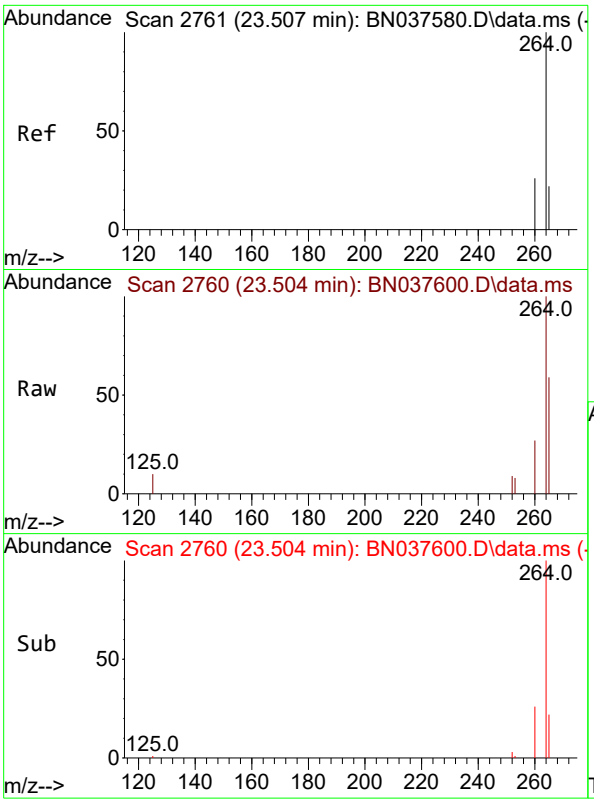


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.405 ng
RT: 21.205 min Scan# 2250
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:149 Resp: 2987

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.5	30.7
279	3.7	2.6	4.0



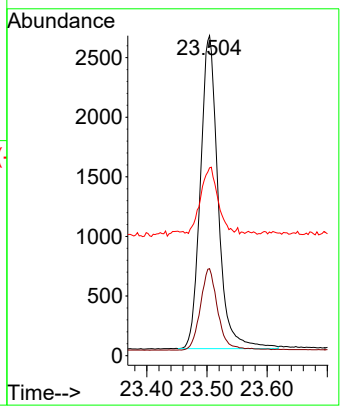


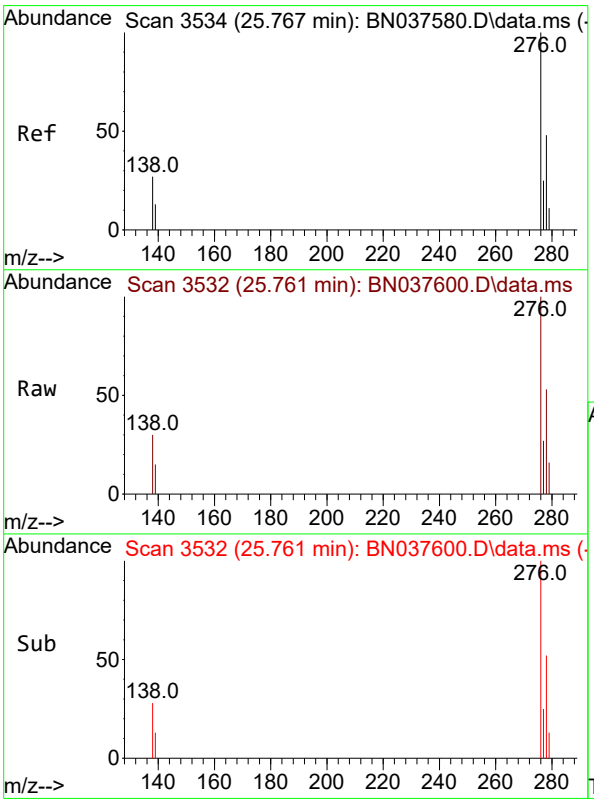
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.504 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 5379

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.6	32.4
265	58.7	48.2	72.4

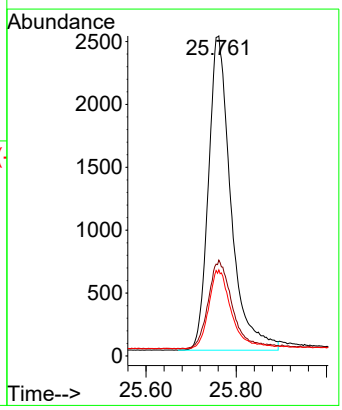


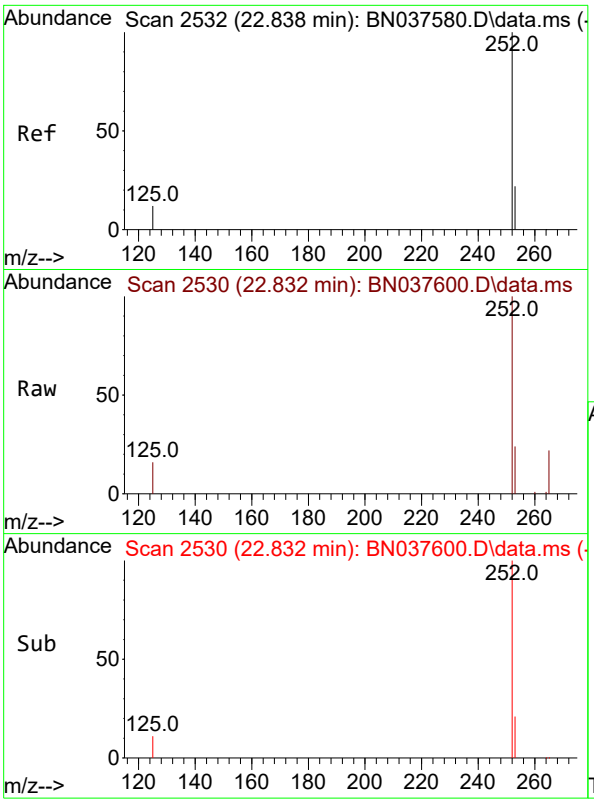


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 25.761 min Scan# 3532
Delta R.T. -0.006 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:276 Resp: 8634

Ion	Ratio	Lower	Upper
276	100		
138	30.5	23.3	34.9
277	25.5	19.5	29.3



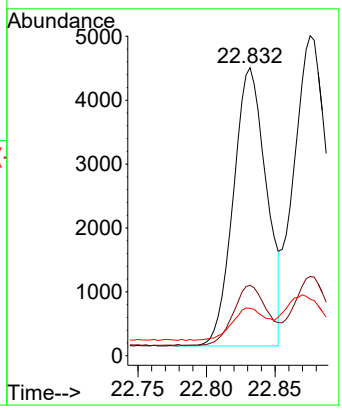


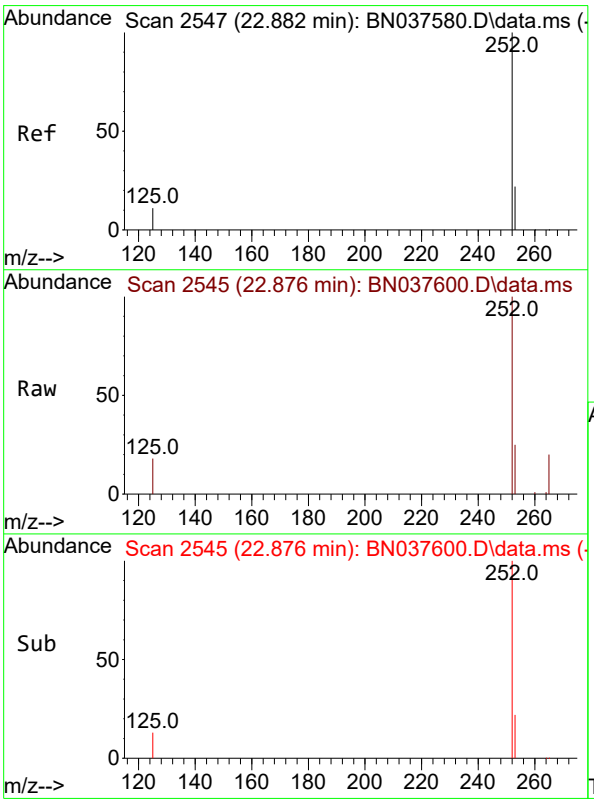
#37
Benzo(b)fluoranthene
Concen: 0.358 ng
RT: 22.832 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7289

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.0	30.0
125	16.5	13.8	20.6

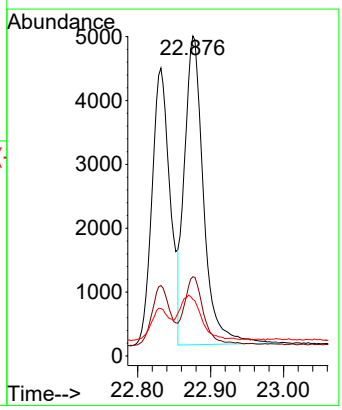


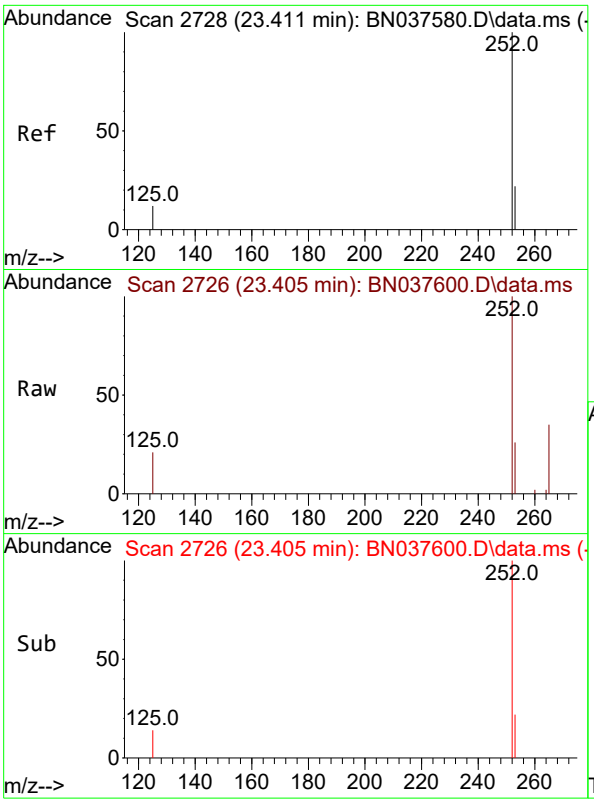


#38
Benzo(k)fluoranthene
Concen: 0.381 ng
RT: 22.876 min Scan# 2545
Delta R.T. -0.006 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:252 Resp: 8761

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.9	29.9
125	17.7	15.0	22.6



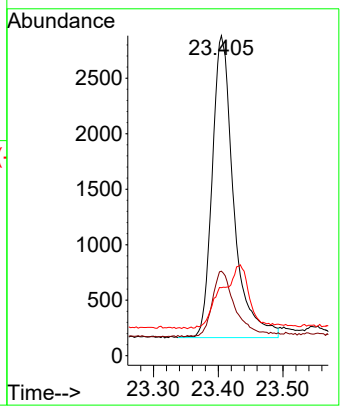


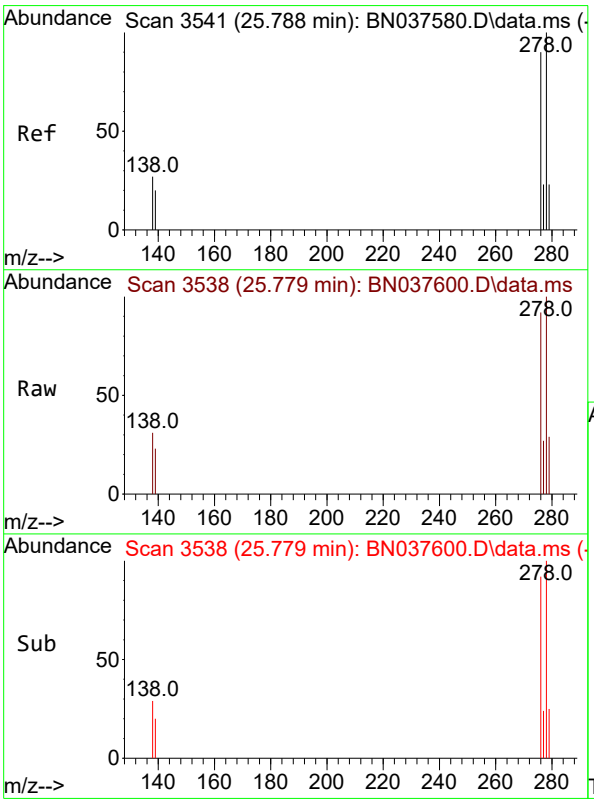
#39
Benzo(a)pyrene
Concen: 0.370 ng
RT: 23.405 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6262

Ion	Ratio	Lower	Upper
252	100		
253	26.4	21.6	32.4
125	21.3	16.8	25.2

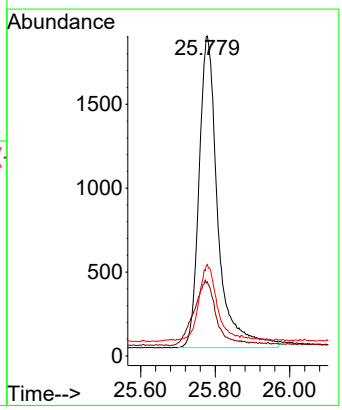


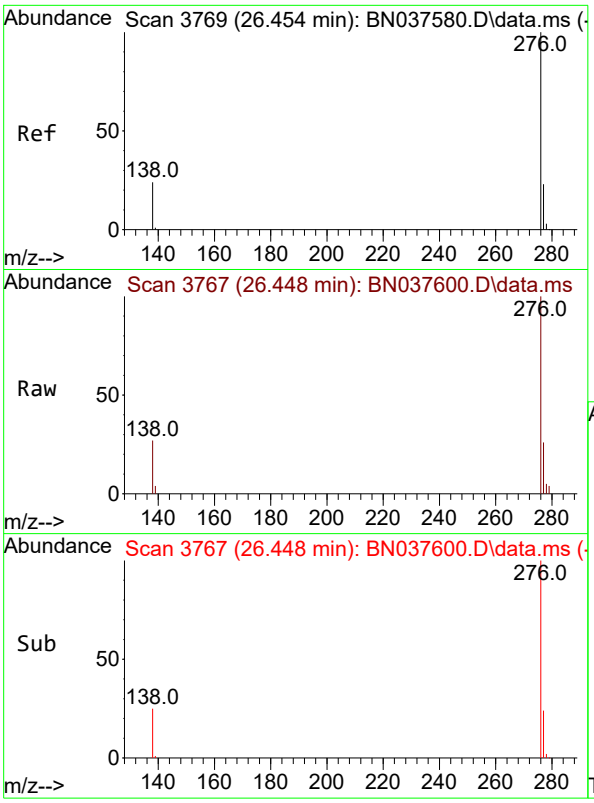


#40
Dibenzo(a,h)anthracene
Concen: 0.369 ng
RT: 25.779 min Scan# 3538
Delta R.T. -0.009 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:278 Resp: 6490

Ion	Ratio	Lower	Upper
278	100		
139	23.2	18.3	27.5
279	28.6	22.5	33.7





#41
Benzo(g,h,i)perylene
Concen: 0.388 ng
RT: 26.448 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 7193

Ion	Ratio	Lower	Upper
276	100		
277	25.9	21.0	31.4
138	27.4	21.7	32.5