Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071525\
Data File : BN037506.D
Acq On : 15 Jul 2025 16:58
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Quant Time: Jul 15 17:34:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:33:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2236	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5813	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	3335	0.400	ng	0.00
19) Phenanthrene-d10	17.099	188	6334	0.400	ng	0.00
29) Chrysene-d12	21.277	240	5040	0.400	ng	# 0.00
35) Perylene-d12	23.522	264	4669	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	2030	0.367	ng	0.00
5) Phenol-d6	6.879	99	2407	0.347	ng	0.00
8) Nitrobenzene-d5	8.865	82	1802	0.415	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	3375	0.405	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	531	0.324	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	8001	0.461	ng	0.00
27) Fluoranthene-d10	19.127	212	6495	0.387	ng	0.00
31) Terphenyl-d14	19.731	244	5056	0.467	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	1011	0.470	ng	95
3) n-Nitrosodimethylamine	3.543	42	1083	0.401	ng	# 95
6) bis(2-Chloroethyl)ether	7.147	93	2398	0.415	ng	99
9) Naphthalene	10.551	128	6033	0.389	ng	100
10) Hexachlorobutadiene	10.861	225	1386	0.405	ng	# 99
12) 2-Methylnaphthalene	12.172	142	3595	0.353	ng	100
16) Acenaphthylene	14.067	152	6226	0.417	ng	99
17) Acenaphthene	14.420	154	3826	0.377	ng	99
18) Fluorene	15.403	166	5028	0.384	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	267	0.401	ng	95
21) 4-Bromophenyl-phenylether	16.292	248	1563	0.385	ng	100
22) Hexachlorobenzene	16.404	284	2158	0.412	ng	99
23) Atrazine	16.565	200	1050	0.371	ng	98
24) Pentachlorophenol	16.751	266	679	0.289	ng	99
25) Phenanthrene	17.136	178	7640	0.403	ng	99
26) Anthracene	17.223	178	6928	0.400	ng	100
28) Fluoranthene	19.155	202	8063	0.368	ng	100
30) Pyrene	19.517	202	8002	0.394	ng	100
32) Benzo(a)anthracene	21.268	228	6891	0.390	ng	99
33) Chrysene	21.313	228	7126	0.388	ng	99
34) Bis(2-ethylhexyl)phtha...	21.223	149	2705	0.341	ng	98
36) Indeno(1,2,3-cd)pyrene	25.785	276	7666	0.394	ng	99
37) Benzo(b)fluoranthene	22.847	252	6430	0.363	ng	100
38) Benzo(k)fluoranthene	22.894	252	7254	0.397	ng	98
39) Benzo(a)pyrene	23.420	252	5792	0.392	ng	99
40) Dibenzo(a,h)anthracene	25.806	278	6203	0.394	ng	98
41) Benzo(g,h,i)perylene	26.472	276	6018	0.369	ng	98

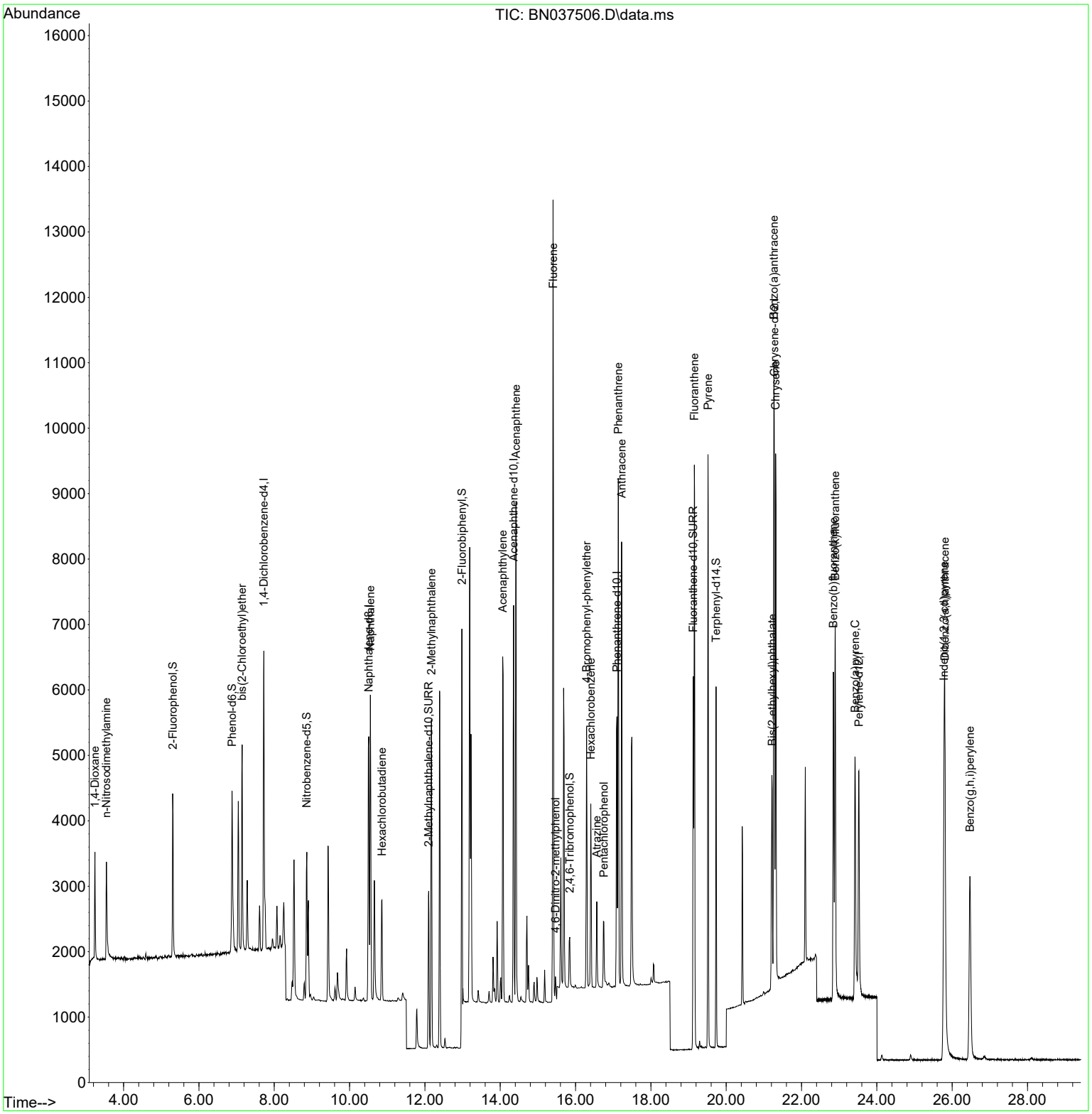
(#) = qualifier out of range (m) = manual integration (+) = signals summed

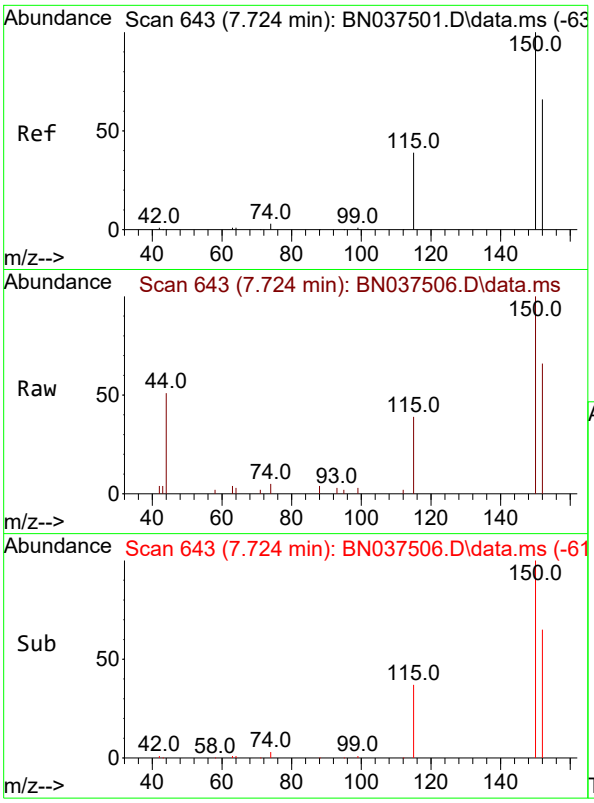
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071525\
Data File : BN037506.D
Acq On : 15 Jul 2025 16:58
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Quant Time: Jul 15 17:34:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:33:01 2025
Response via : Initial Calibration



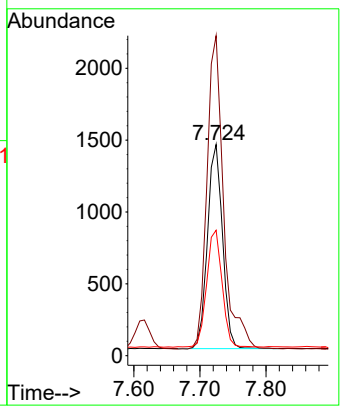


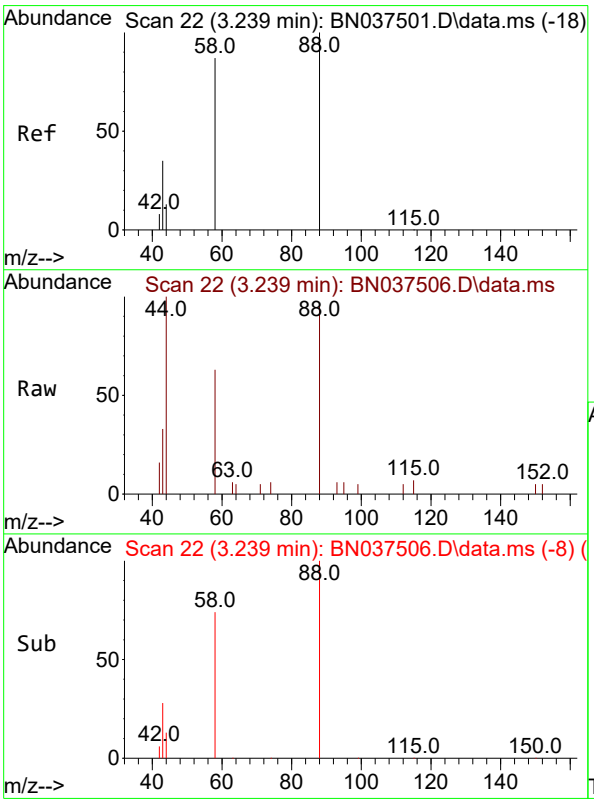
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:152 Resp: 2236

Ion	Ratio	Lower	Upper
152	100		
150	151.5	119.8	179.8
115	59.4	49.1	73.7

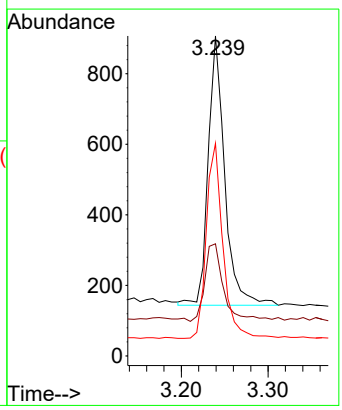


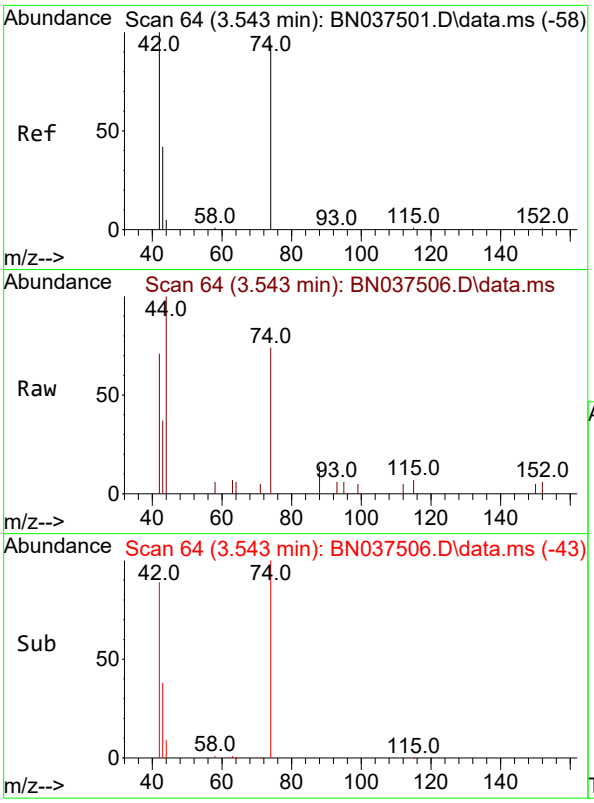


#2
1,4-Dioxane
Concen: 0.470 ng
RT: 3.239 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion: 88 Resp: 1011

Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.5	41.3
58	72.9	62.7	94.1



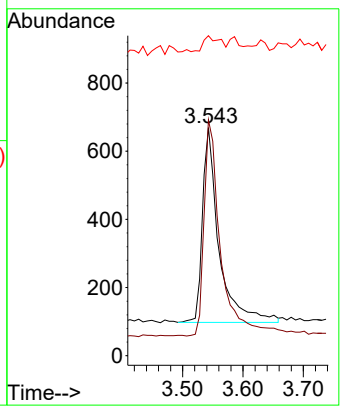


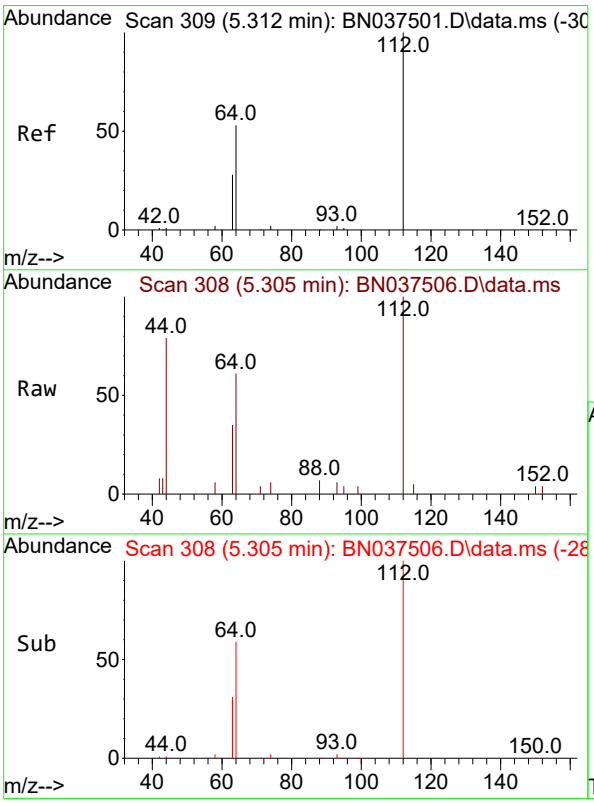
#3
n-Nitrosodimethylamine
Concen: 0.401 ng
RT: 3.543 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion: 42 Resp: 1083

Ion	Ratio	Lower	Upper
42	100		
74	112.8	91.8	137.6
44	8.5	15.0	22.6#

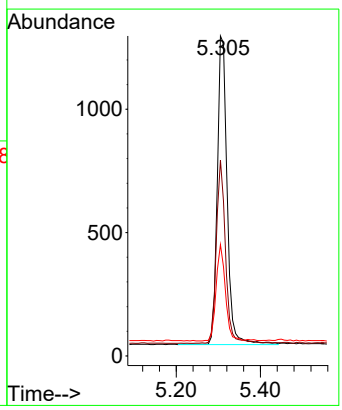


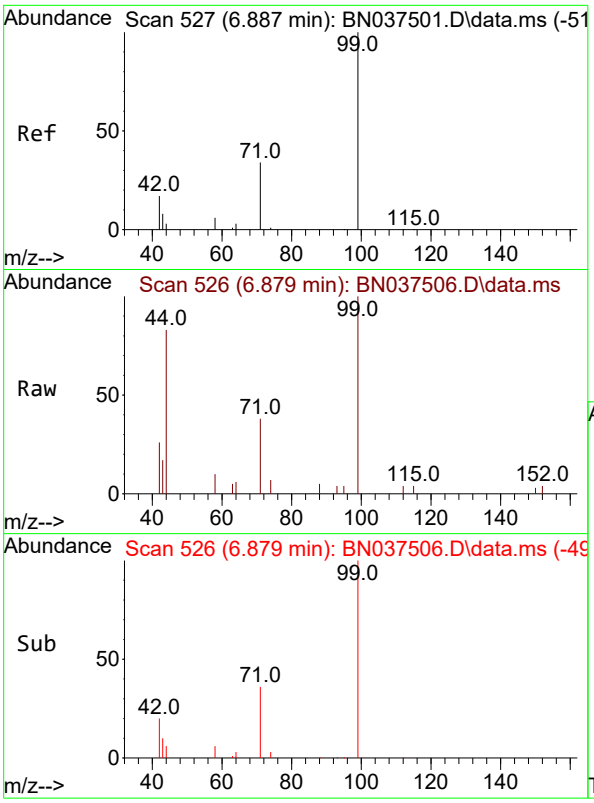


#4
2-Fluorophenol
Concen: 0.367 ng
RT: 5.305 min Scan# 308
Delta R.T. -0.007 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:112 Resp: 2030

Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.1	67.7
63	29.2	23.8	35.8



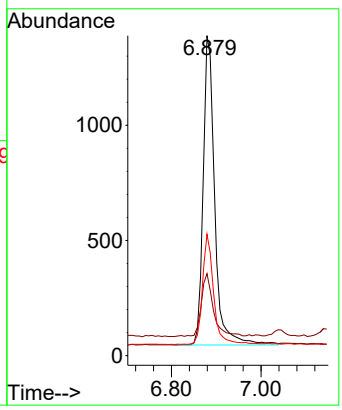


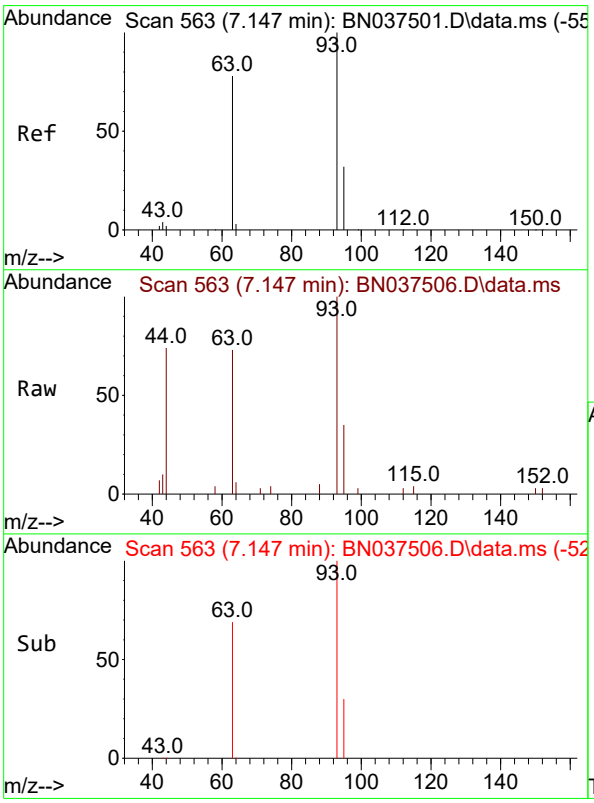
#5
Phenol-d6
Concen: 0.347 ng
RT: 6.879 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion: 99 Resp: 2407

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.1	25.7
71	34.6	27.8	41.8

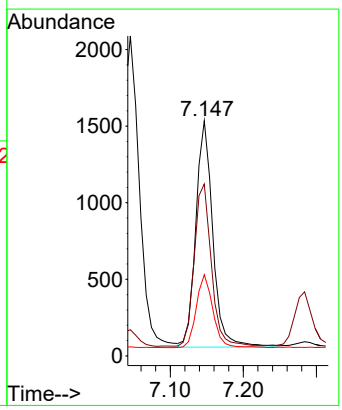


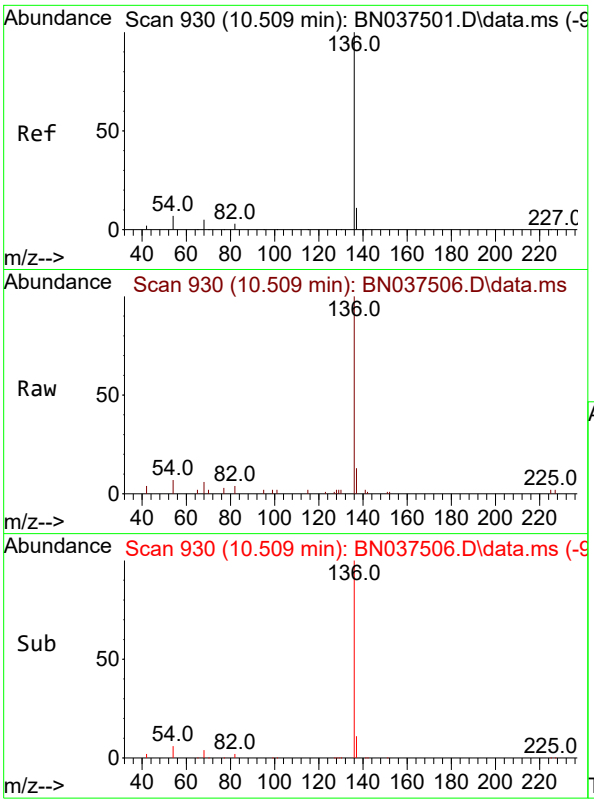


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion: 93 Resp: 2398

Ion	Ratio	Lower	Upper
93	100		
63	71.8	58.2	87.4
95	31.4	25.3	37.9



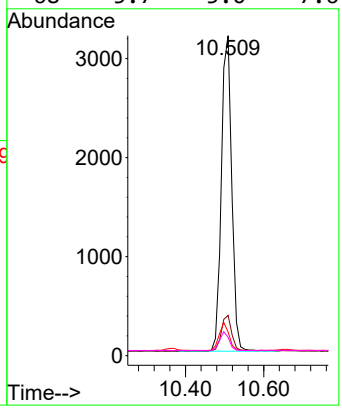


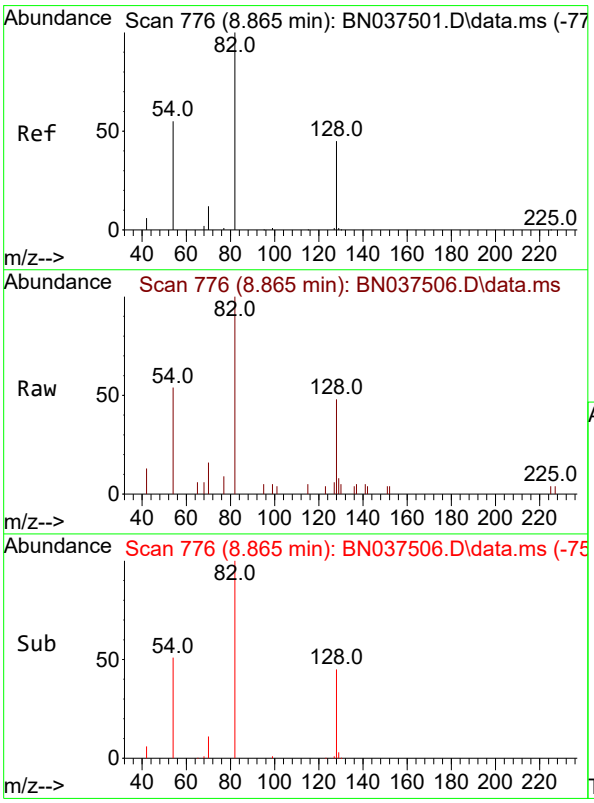
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:136 Resp: 5813

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.8	14.8
54	7.4	6.6	9.8
68	5.7	5.0	7.6

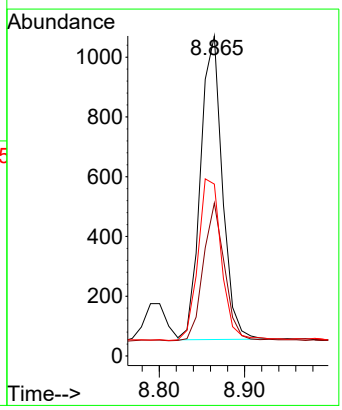


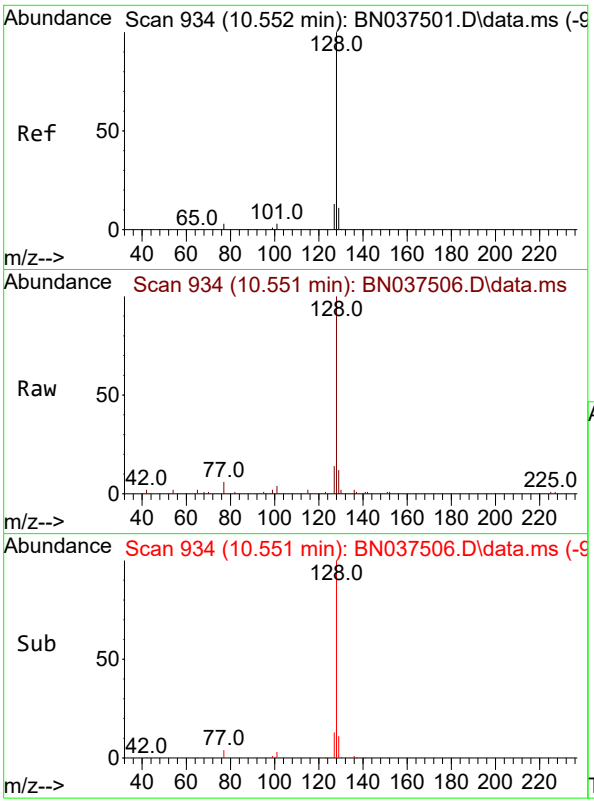


#8
Nitrobenzene-d5
Concen: 0.415 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion: 82 Resp: 1802

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.5	56.3
54	53.7	45.3	67.9



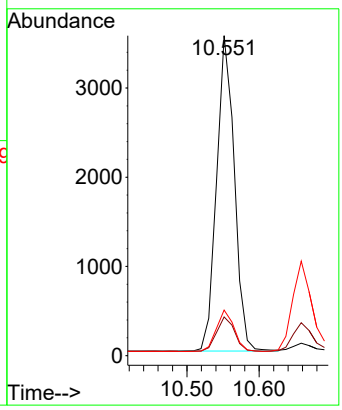


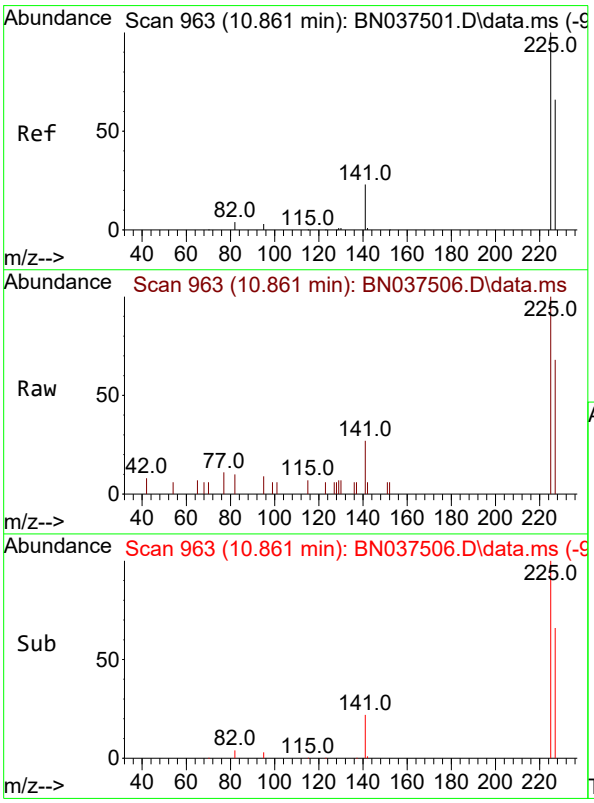
#9
Naphthalene
Concen: 0.389 ng
RT: 10.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:128 Resp: 6033

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.7	14.5
127	14.2	11.5	17.3

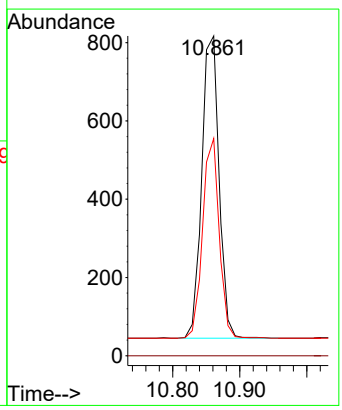


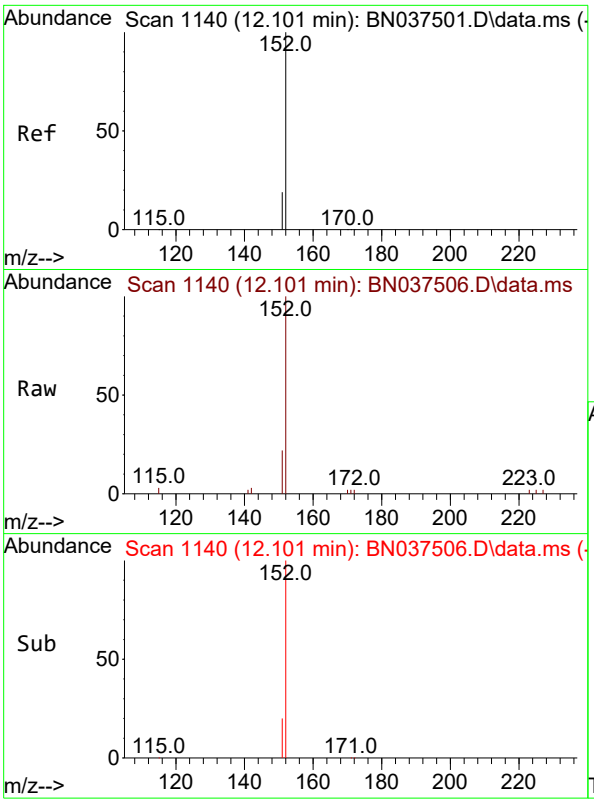


#10
Hexachlorobutadiene
Concen: 0.405 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:225 Resp: 1386

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.0	76.4



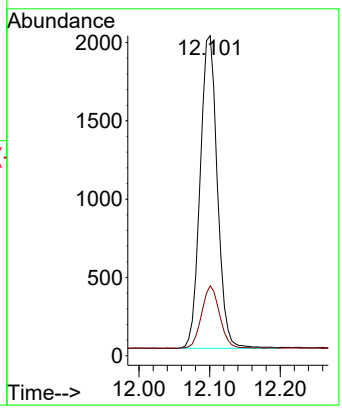


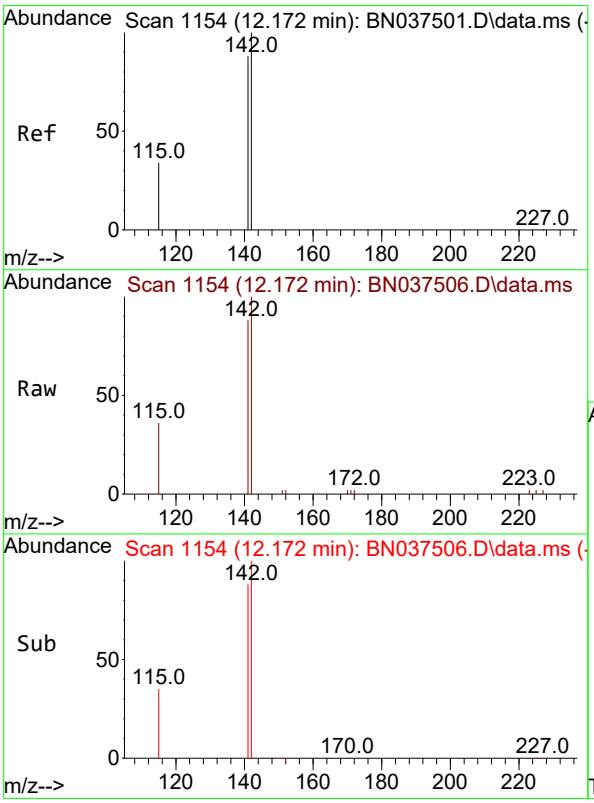
#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 12.101 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:152 Resp: 3375

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.8	25.2

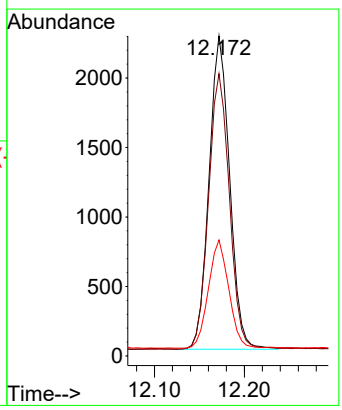


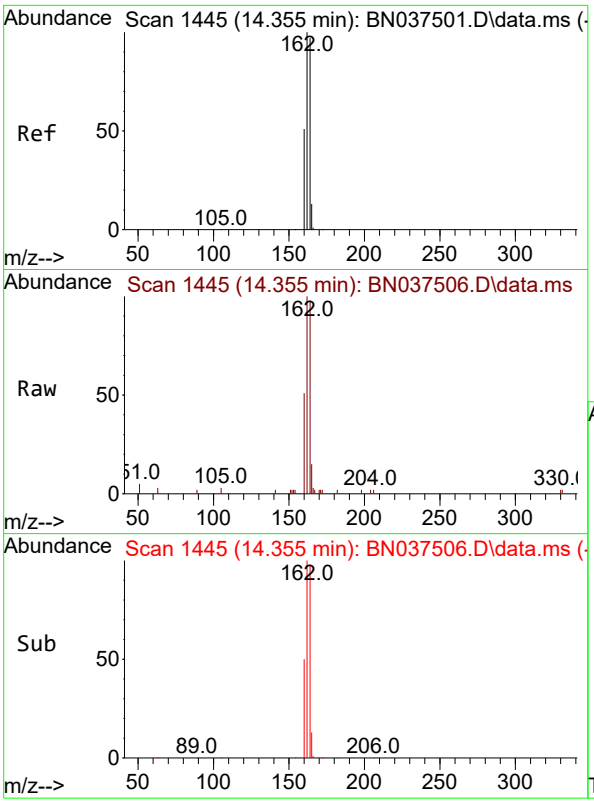


#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:142 Resp: 3595

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.4
115	36.3	29.0	43.4



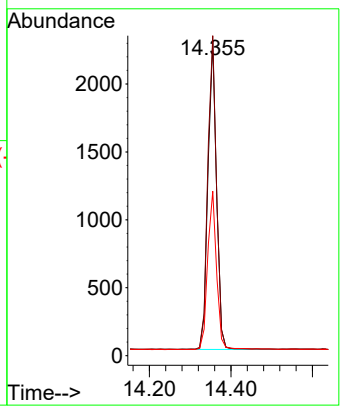


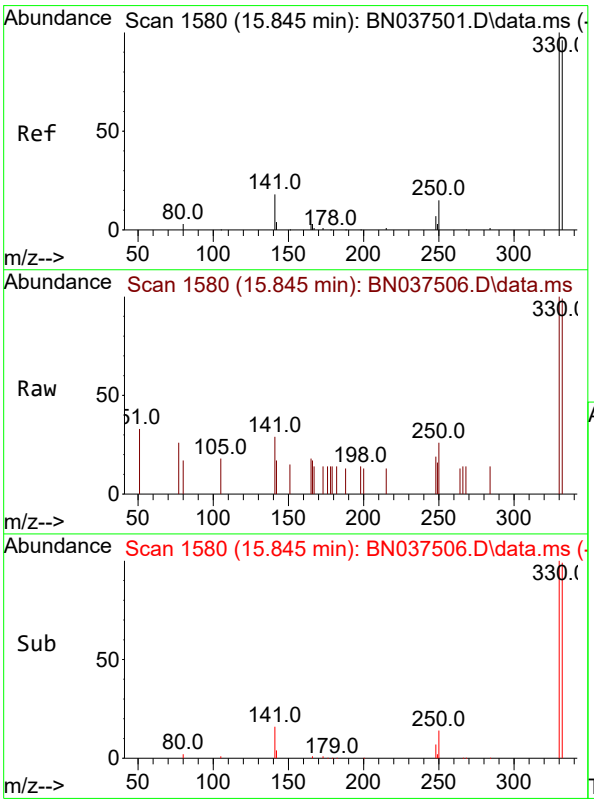
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:164 Resp: 3335

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.0	123.0
160	52.2	42.4	63.6

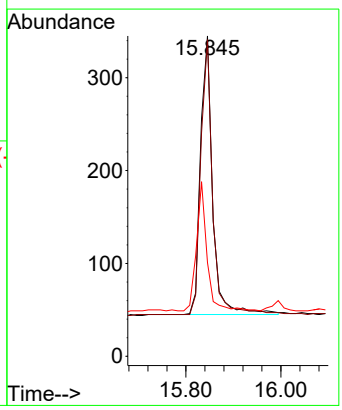


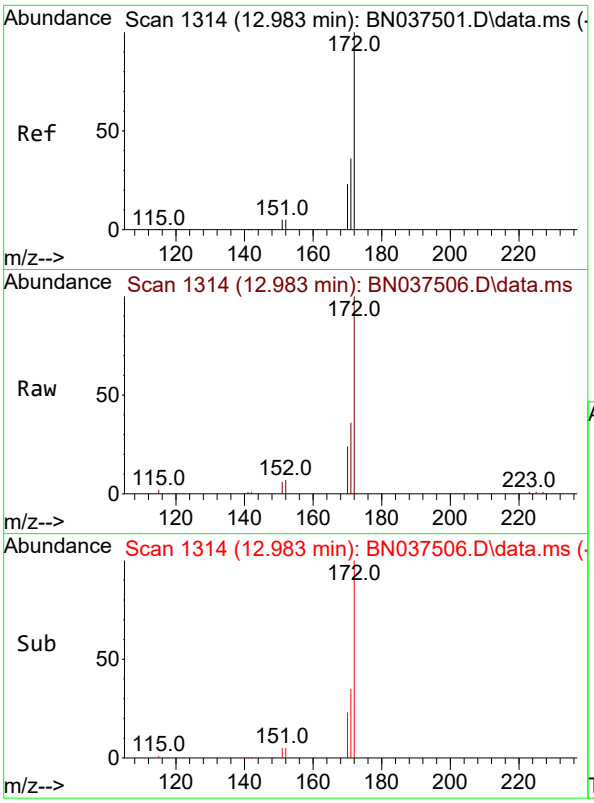


#14
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:330 Resp: 531

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.1	114.1
141	39.9	33.4	50.0



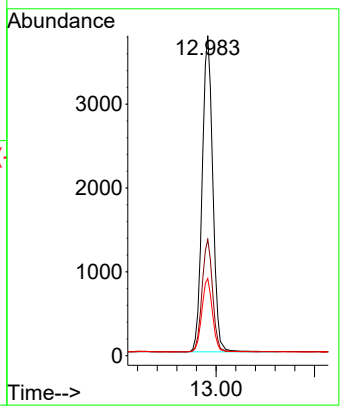


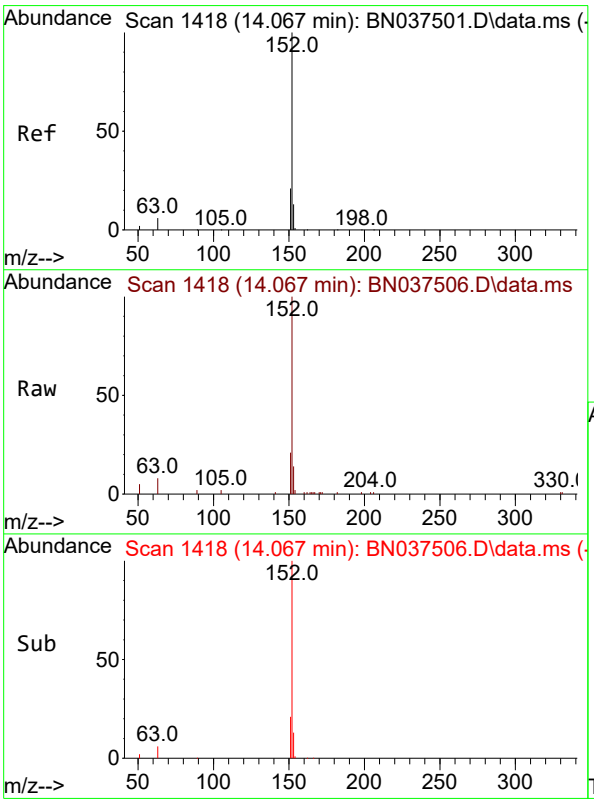
#15
2-Fluorobiphenyl
Concen: 0.461 ng
RT: 12.983 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:172 Resp: 8001

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	24.1	19.4	29.0

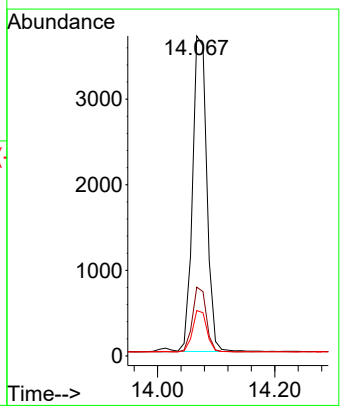


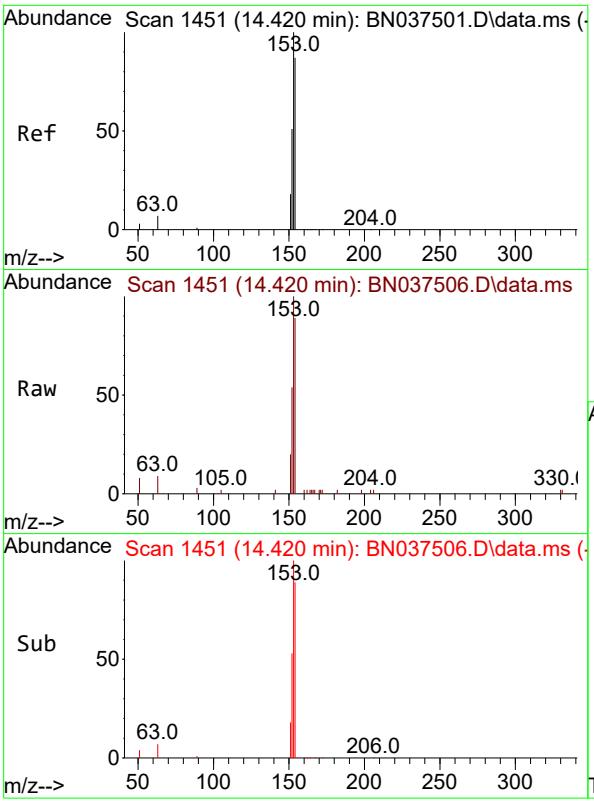


#16
Acenaphthylene
Concen: 0.417 ng
RT: 14.067 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:152 Resp: 6226

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.7	16.1



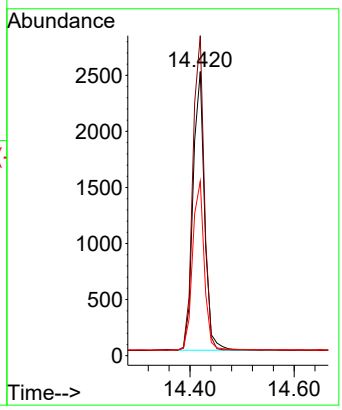


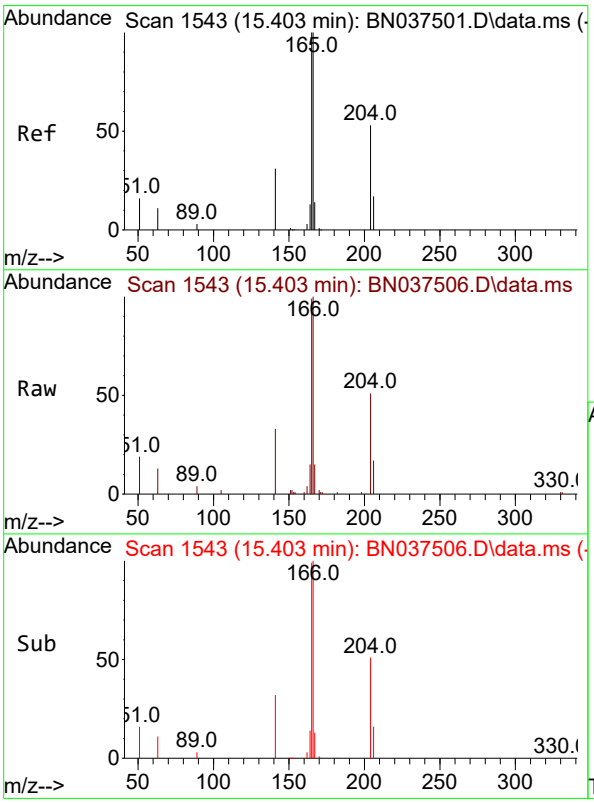
#17
Acenaphthene
Concen: 0.377 ng
RT: 14.420 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:154 Resp: 3826

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.2	133.8
152	61.6	48.0	72.0

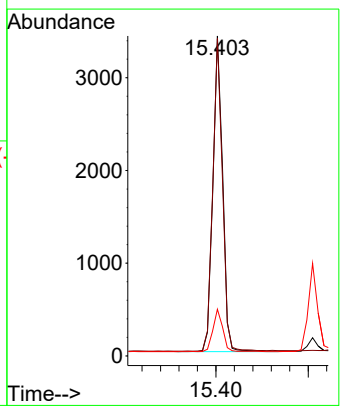


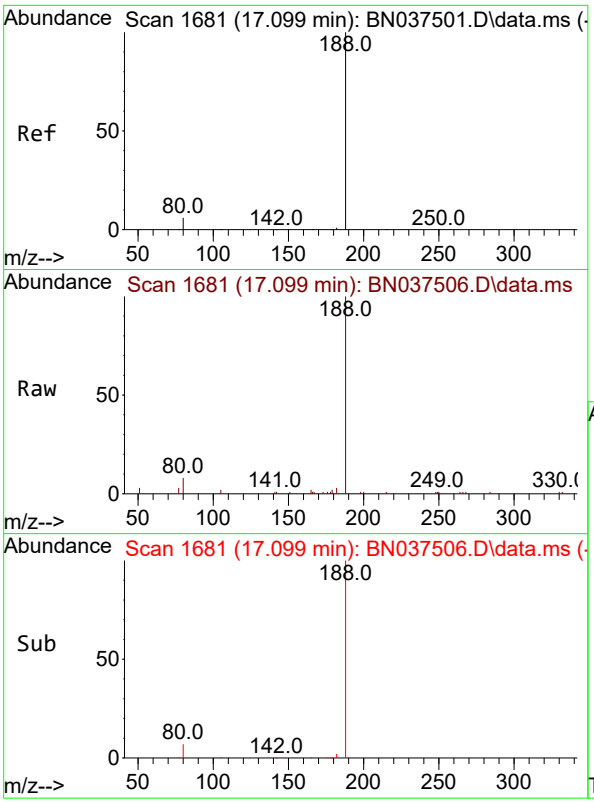


#18
Fluorene
Concen: 0.384 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:166 Resp: 5028

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.1	117.1
167	13.2	11.0	16.6



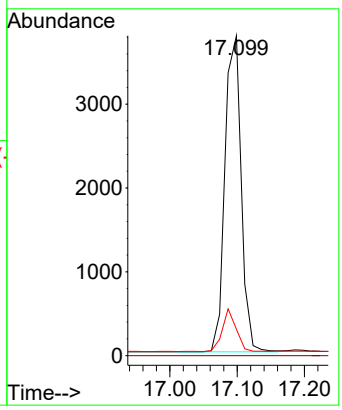


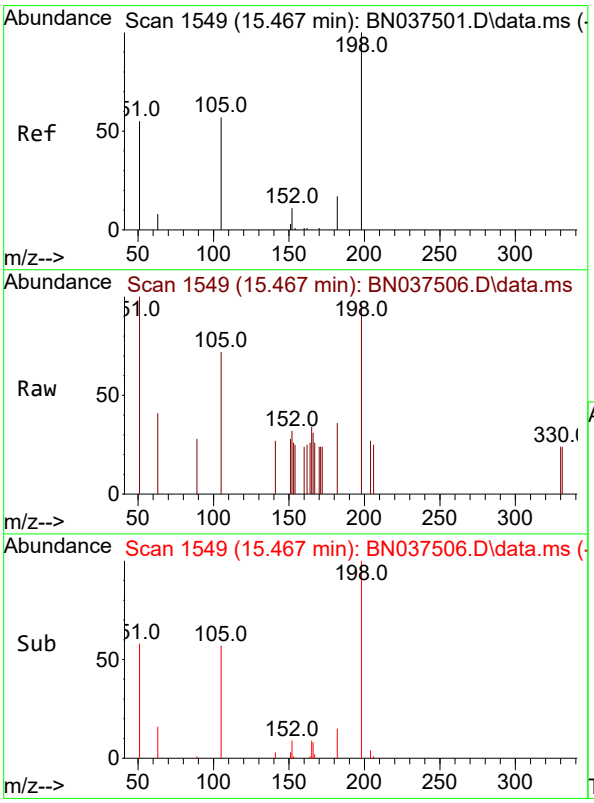
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:188 Resp: 6334

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.0	9.0

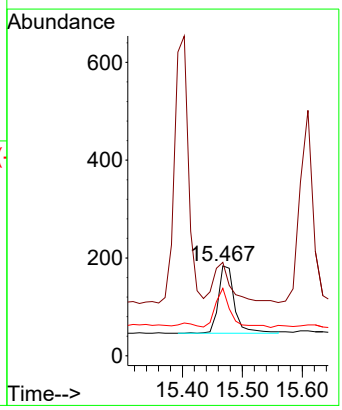


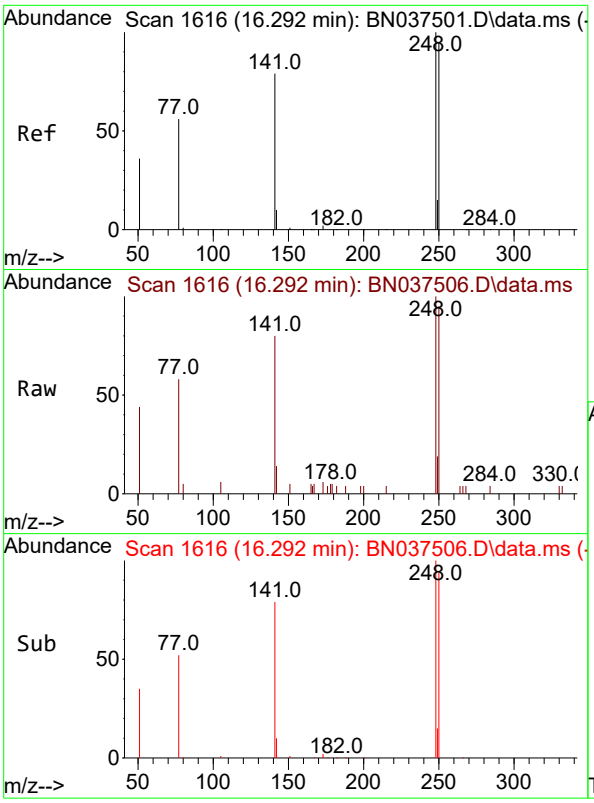


#20
4,6-Dinitro-2-methylphenol
Concen: 0.401 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:198 Resp: 267

Ion	Ratio	Lower	Upper
198	100		
51	103.8	88.5	132.7
105	75.0	61.2	91.8



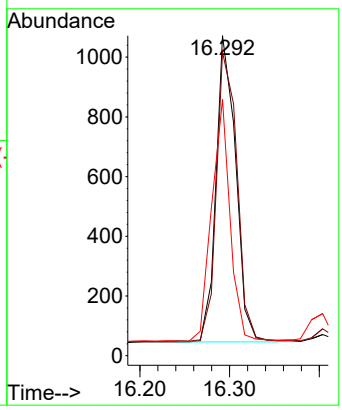


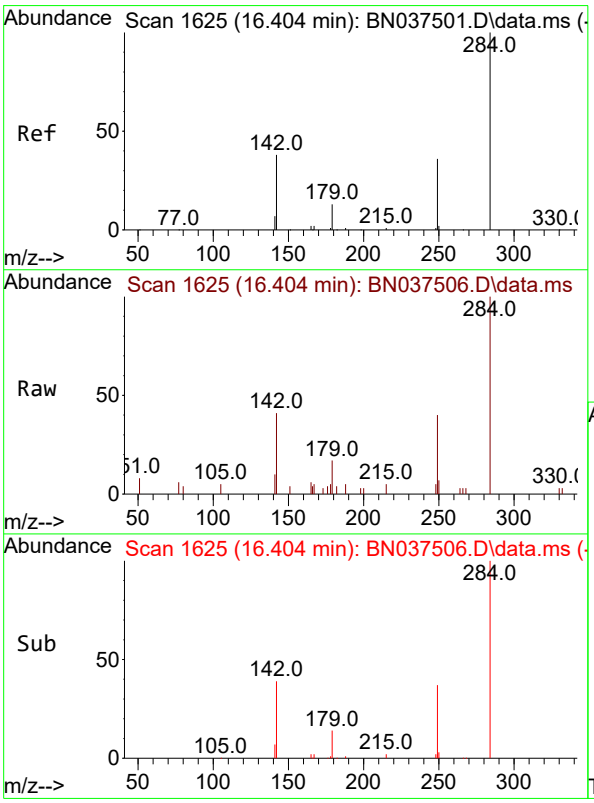
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.292 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:248 Resp: 1563

Ion	Ratio	Lower	Upper
248	100		
250	94.9	76.2	114.2
141	80.0	63.9	95.9

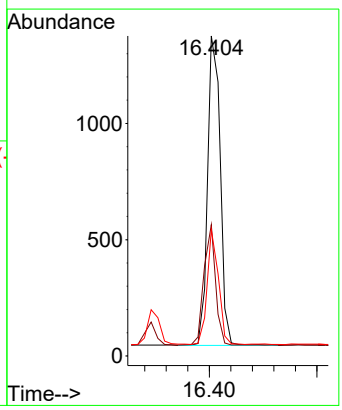


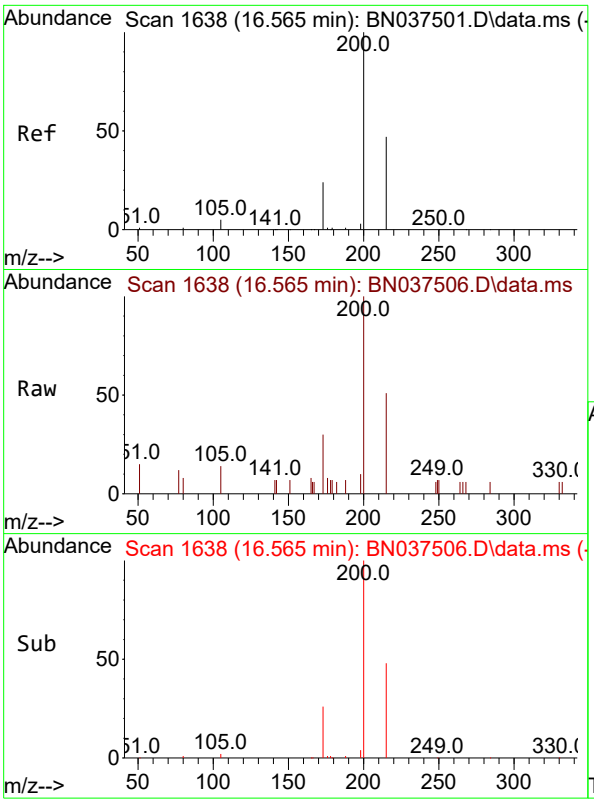


#22
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:284 Resp: 2158

Ion	Ratio	Lower	Upper
284	100		
142	35.9	28.9	43.3
249	33.0	25.8	38.6



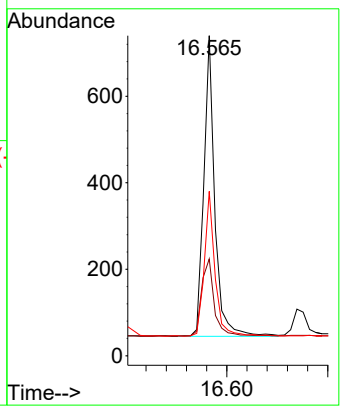


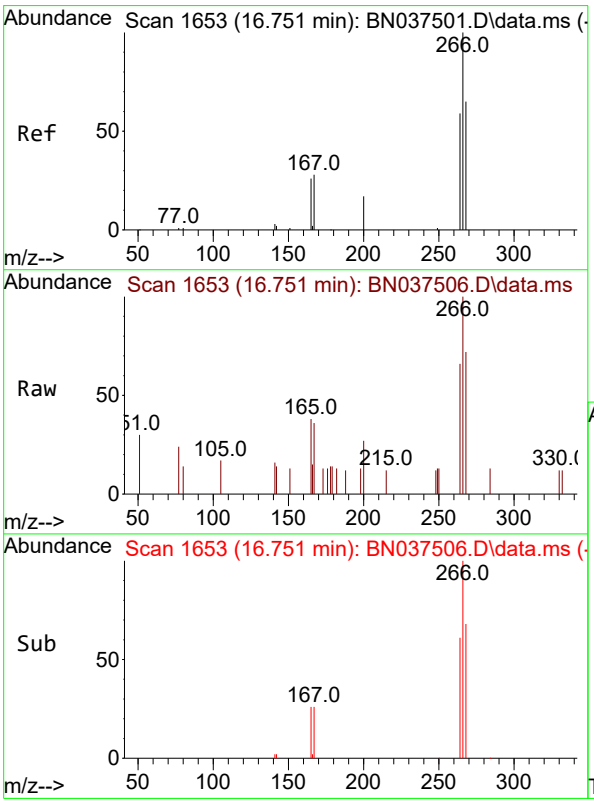
#23
Atrazine
Concen: 0.371 ng
RT: 16.565 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:200 Resp: 1050

Ion	Ratio	Lower	Upper
200	100		
173	30.3	23.2	34.8
215	51.4	40.2	60.4

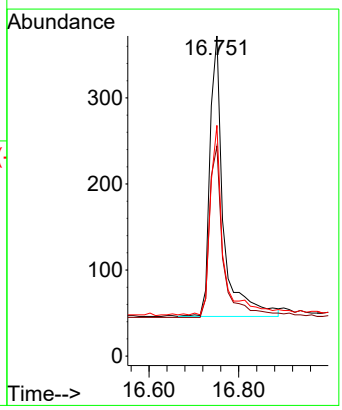


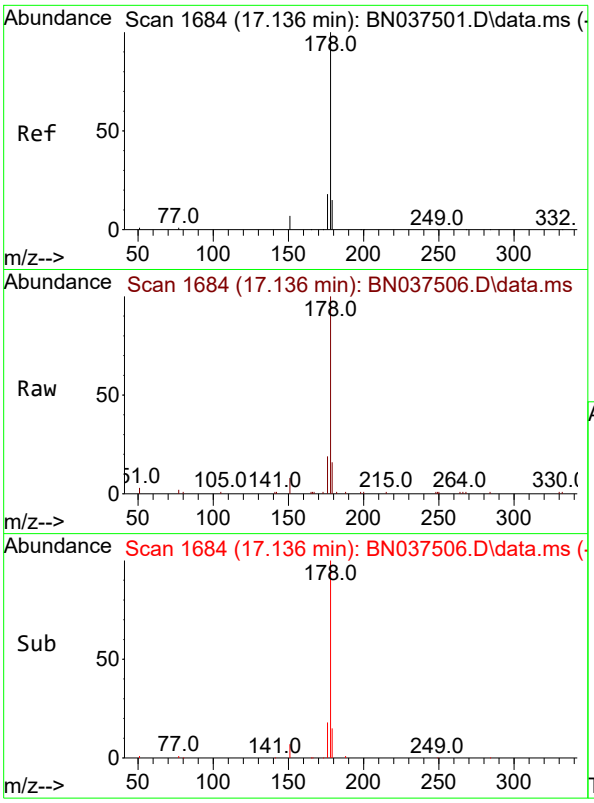


#24
Pentachlorophenol
Concen: 0.289 ng
RT: 16.751 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:266 Resp: 679

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.3	73.9
268	65.2	51.6	77.4



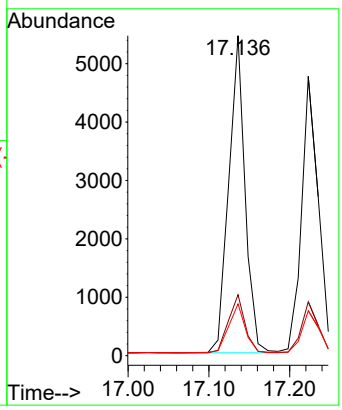


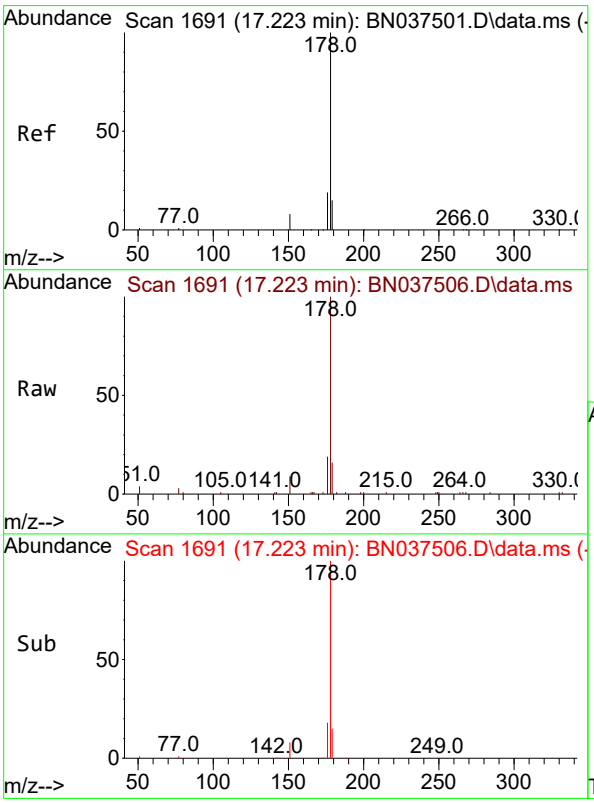
#25
Phenanthrene
Concen: 0.403 ng
RT: 17.136 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:178 Resp: 7640

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.6	12.2	18.2

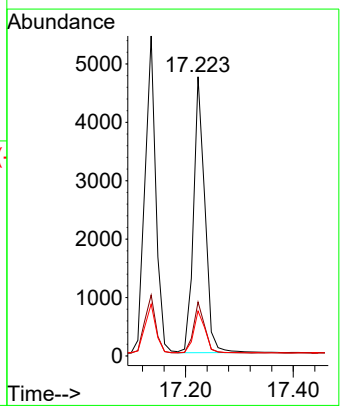


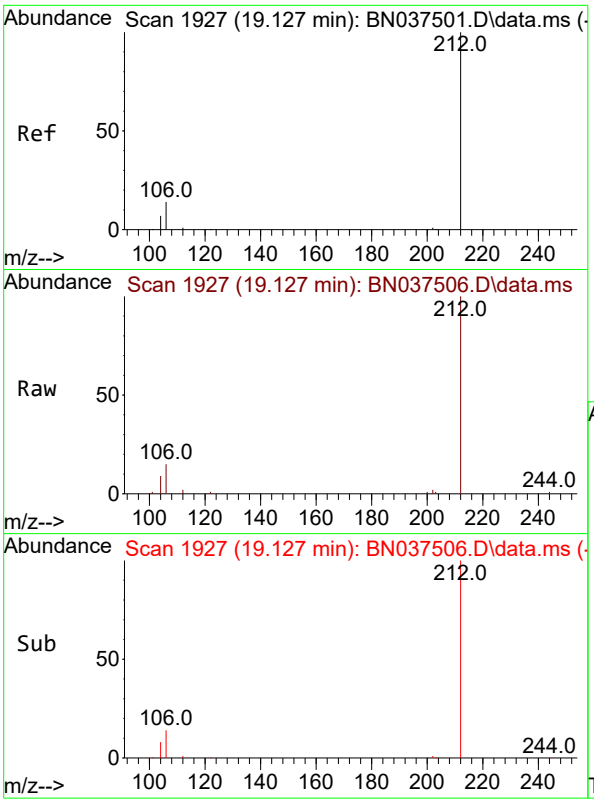


#26
Anthracene
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:178 Resp: 6928

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.3	18.5



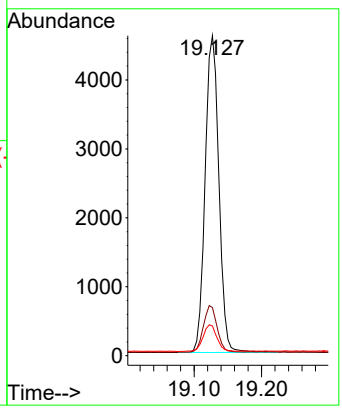


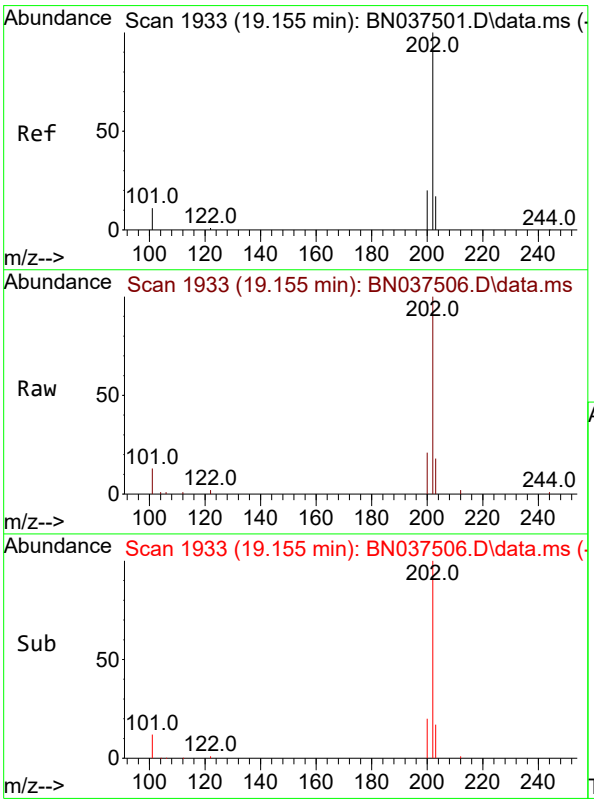
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:212 Resp: 6495

Ion	Ratio	Lower	Upper
212	100		
106	14.6	12.2	18.4
104	8.6	6.7	10.1

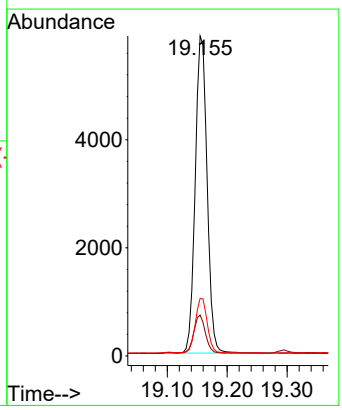


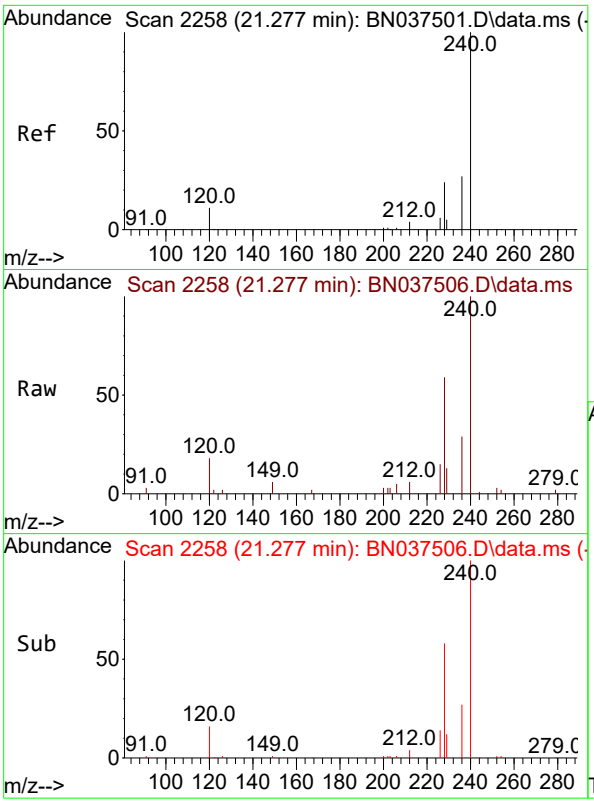


#28
Fluoranthene
Concen: 0.368 ng
RT: 19.155 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:202 Resp: 8063

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.8	14.6
203	17.2	13.6	20.4



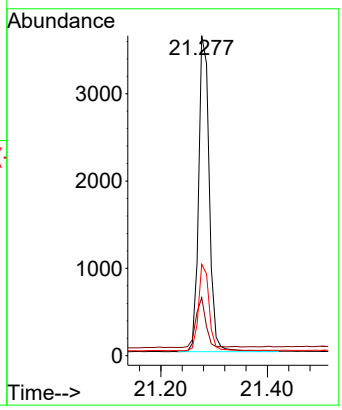


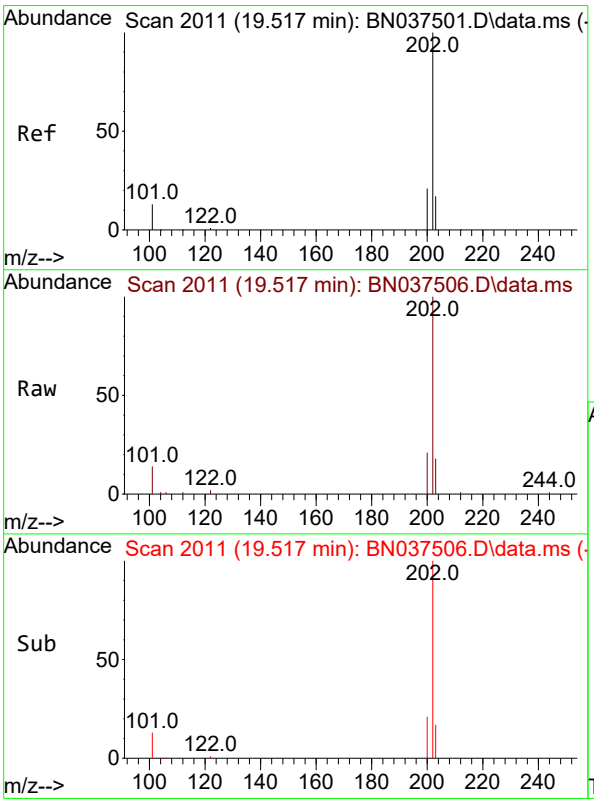
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:240 Resp: 5040

Ion	Ratio	Lower	Upper
240	100		
120	18.1	10.7	16.1#
236	28.5	22.6	33.8

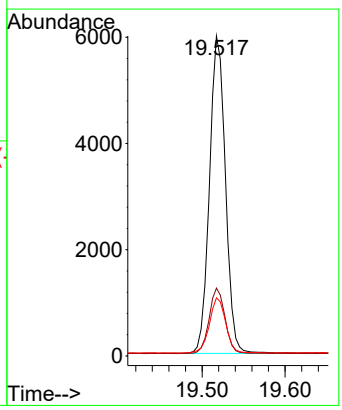


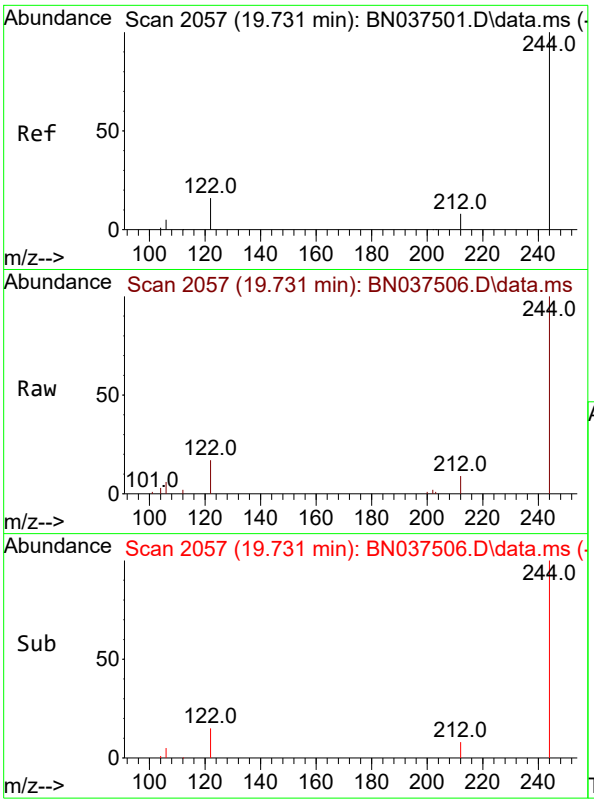


#30
Pyrene
Concen: 0.394 ng
RT: 19.517 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:202 Resp: 8002

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	17.7	14.3	21.5



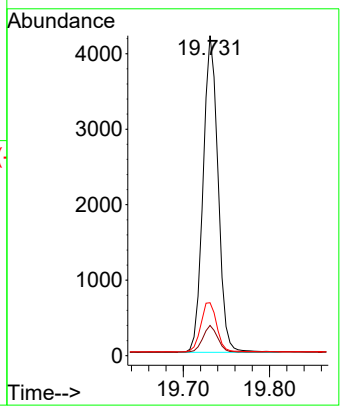


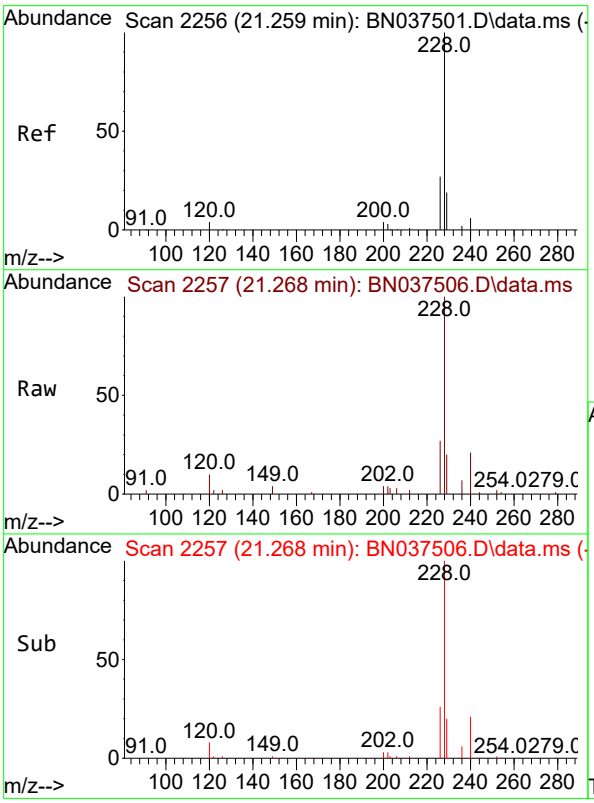
#31
Terphenyl-d14
Concen: 0.467 ng
RT: 19.731 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:244 Resp: 5056

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.4	11.2
122	16.6	13.6	20.4

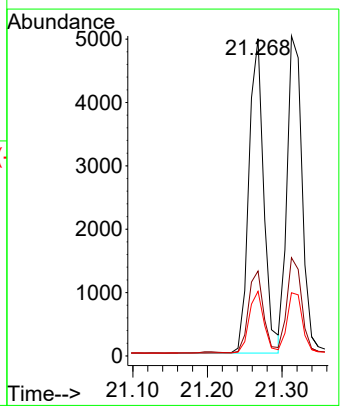


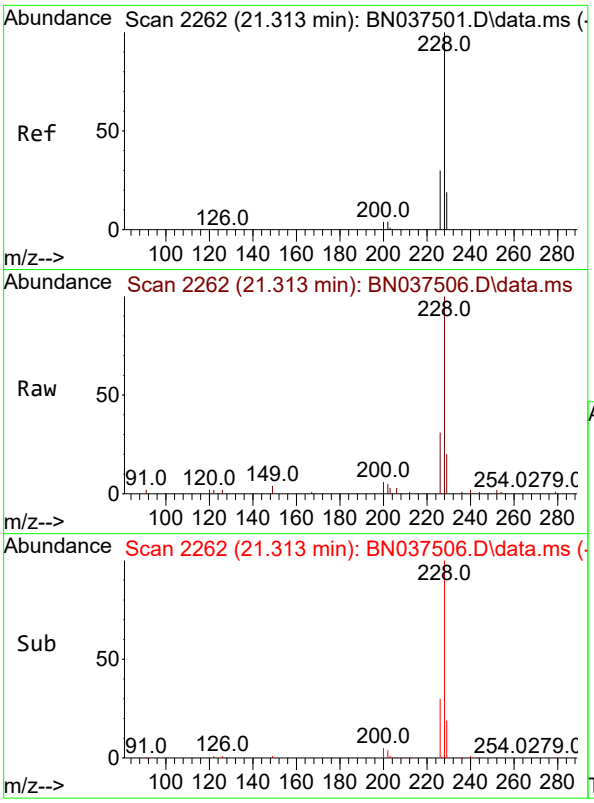


#32
Benzo(a)anthracene
Concen: 0.390 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.009 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:228 Resp: 6891

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	20.4	15.8	23.8



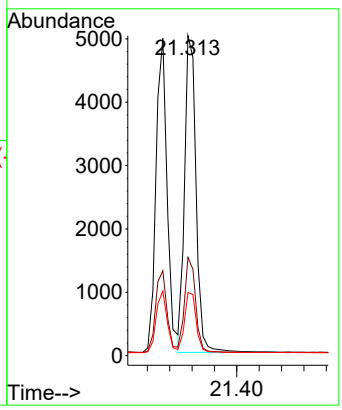


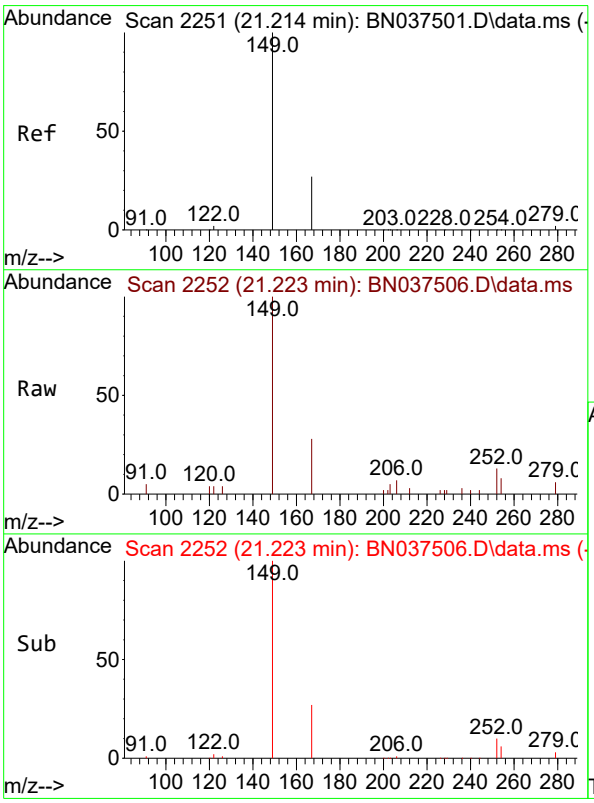
#33
Chrysene
Concen: 0.388 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:228 Resp: 7126

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.4
229	19.8	16.1	24.1

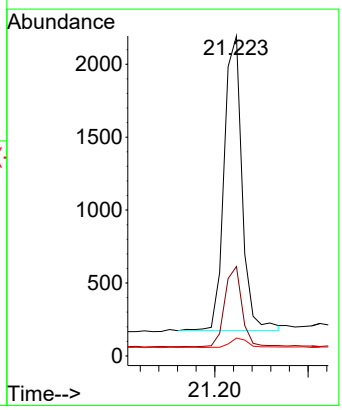


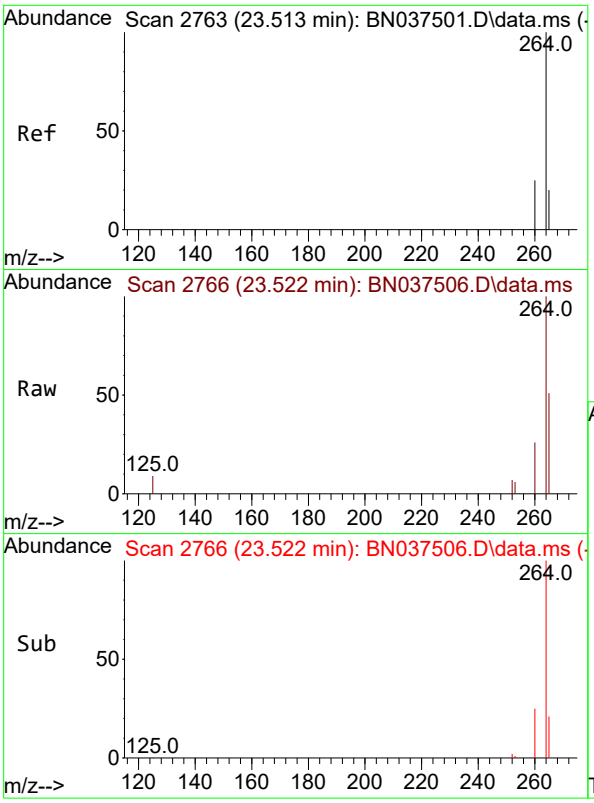


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.341 ng
RT: 21.223 min Scan# 2252
Delta R.T. 0.009 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:149 Resp: 2705

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.8	32.8
279	3.2	3.0	4.4



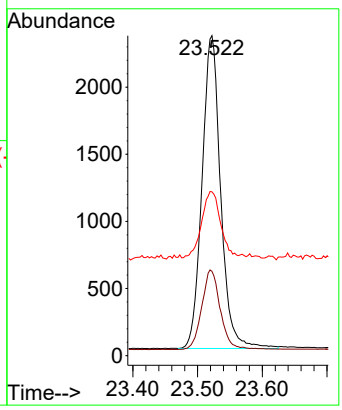


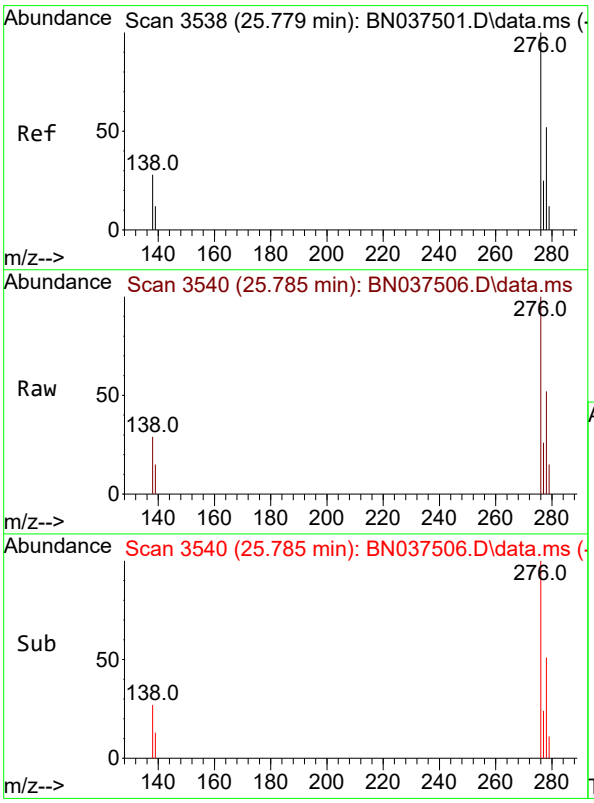
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:264 Resp: 4669

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.2	31.8
265	51.2	40.4	60.6

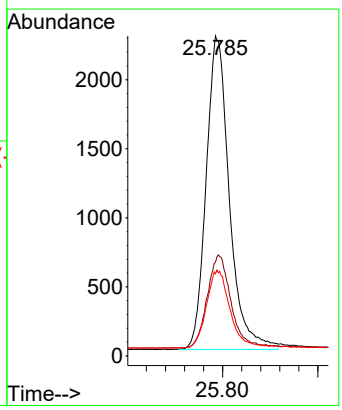


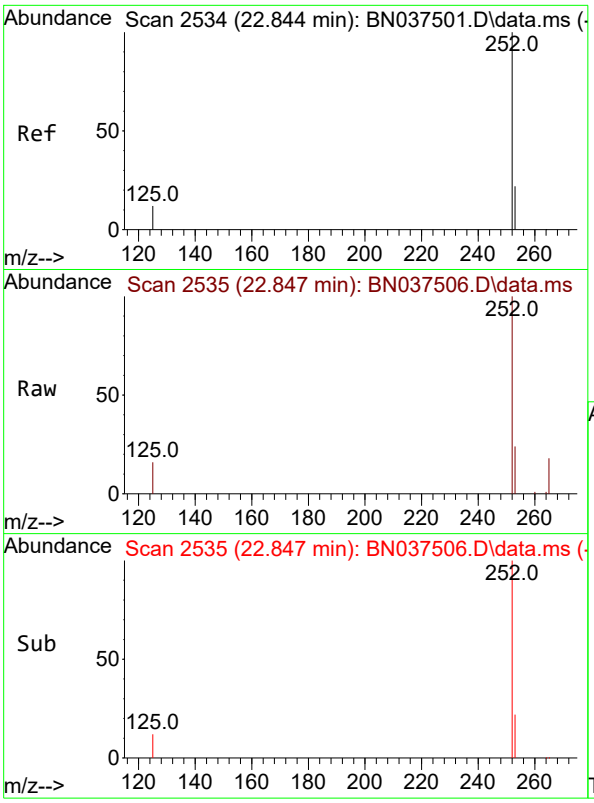


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 25.785 min Scan# 3540
Delta R.T. 0.006 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:276 Resp: 7666

Ion	Ratio	Lower	Upper
276	100		
138	30.2	24.0	36.0
277	25.0	20.5	30.7



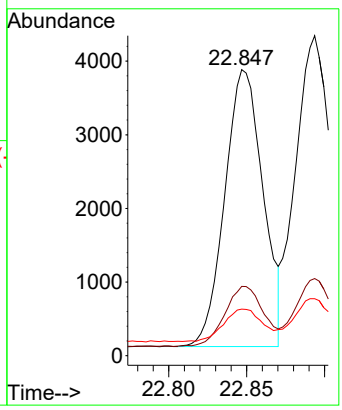


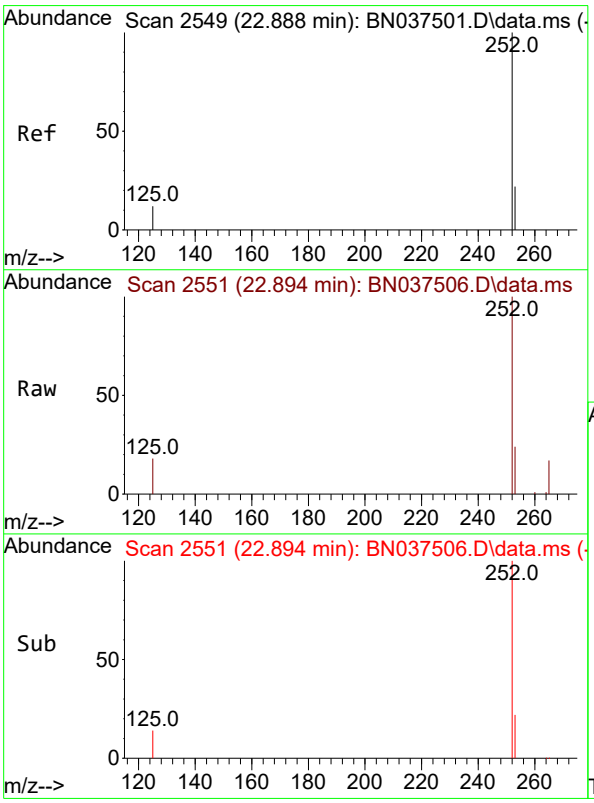
#37
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 22.847 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:252 Resp: 6430

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.5	29.3
125	16.3	13.0	19.6

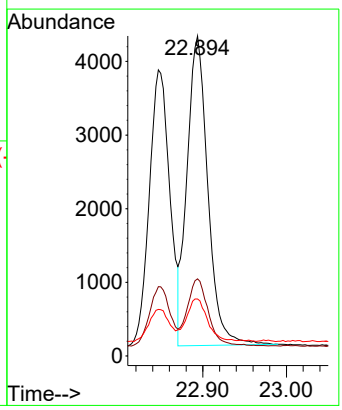


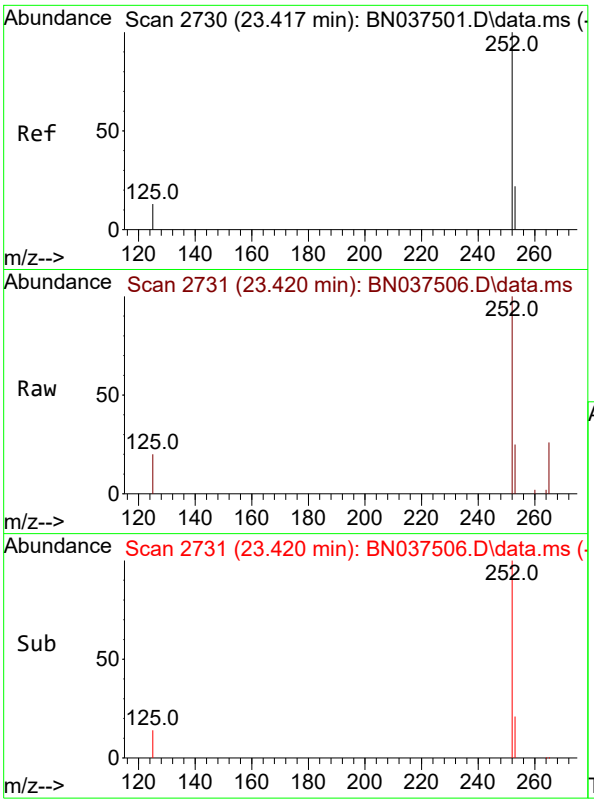


#38
Benzo(k)fluoranthene
Concen: 0.397 ng
RT: 22.894 min Scan# 2551
Delta R.T. 0.006 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:252 Resp: 7254

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.5	29.3
125	17.8	13.1	19.7



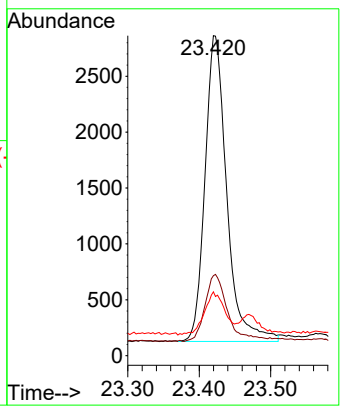


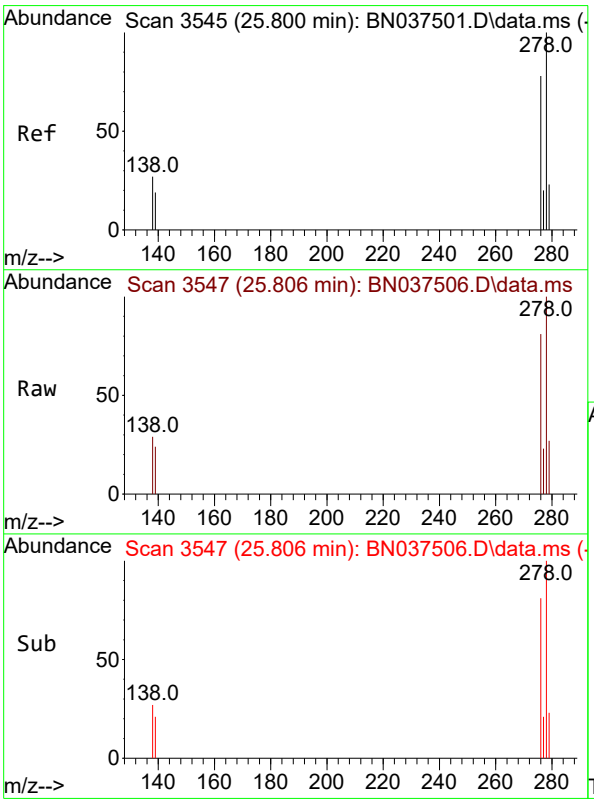
#39
Benzo(a)pyrene
Concen: 0.392 ng
RT: 23.420 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:252 Resp: 5792

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.9	29.9
125	19.9	15.2	22.8

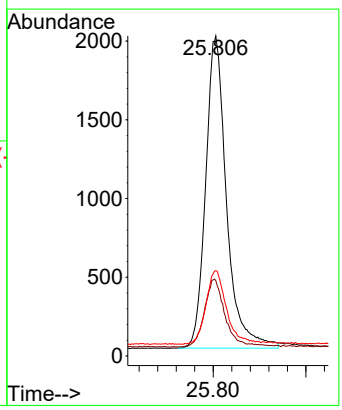


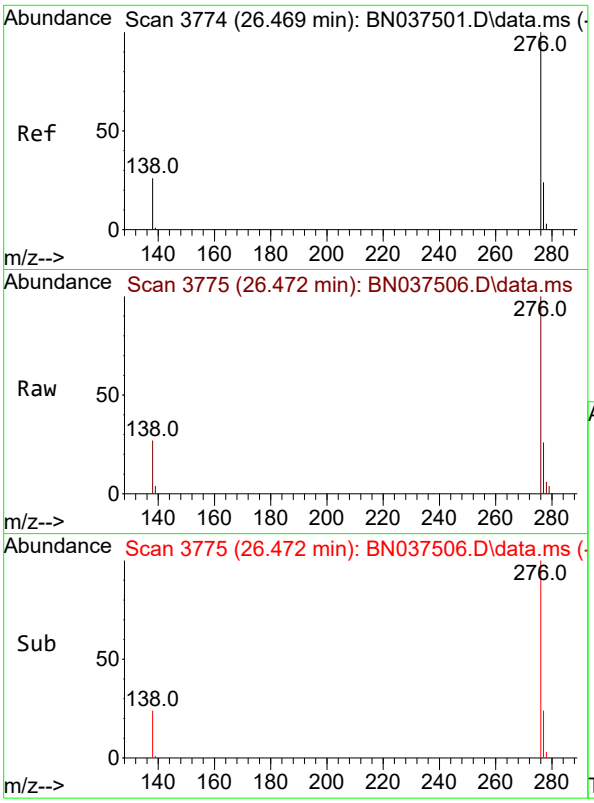


#40
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 25.806 min Scan# 3547
Delta R.T. 0.006 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Tgt Ion:278 Resp: 6203

Ion	Ratio	Lower	Upper
278	100		
139	23.6	17.5	26.3
279	26.7	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 0.369 ng
RT: 26.472 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037506.D
Acq: 15 Jul 2025 16:58

Instrument :
BNA_N
ClientSampleId :
ICVBN071525

Tgt Ion:276 Resp: 6018

Ion	Ratio	Lower	Upper
276	100		
277	26.5	20.9	31.3
138	27.0	22.6	33.8