Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071525\
Data File : BN037504.D
Acq On : 15 Jul 2025 15:38
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jul 15 17:28:02 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 16:45:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	2243	0.400	ng		0.00
7) Naphthalene-d8	10.509	136	5878	0.400	ng		0.00
13) Acenaphthene-d10	14.355	164	3382	0.400	ng		0.00
19) Phenanthrene-d10	17.099	188	6204	0.400	ng		0.00
29) Chrysene-d12	21.277	240	5331	0.400	ng		0.00
35) Perylene-d12	23.519	264	4672	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.312	112	17416	3.140	ng		0.00
5) Phenol-d6	6.887	99	22047	3.169	ng		0.00
8) Nitrobenzene-d5	8.865	82	14330	3.261	ng		0.00
11) 2-Methylnaphthalene-d10	12.101	152	27759	3.293	ng		0.00
14) 2,4,6-Tribromophenol	15.845	330	5808	3.494	ng		0.00
15) 2-Fluorobiphenyl	12.983	172	59667	3.393	ng		0.00
27) Fluoranthene-d10	19.127	212	53521	3.257	ng		0.00
31) Terphenyl-d14	19.731	244	38458	3.357	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.239	88	6815	3.161	ng		98
3) n-Nitrosodimethylamine	3.535	42	8946	3.298	ng	#	93
6) bis(2-Chloroethyl)ether	7.147	93	18545	3.203	ng		98
9) Naphthalene	10.552	128	50467	3.219	ng		98
10) Hexachlorobutadiene	10.861	225	11106	3.206	ng	#	100
12) 2-Methylnaphthalene	12.172	142	34611	3.358	ng		99
16) Acenaphthylene	14.067	152	51277	3.385	ng		99
17) Acenaphthene	14.420	154	33858	3.286	ng		98
18) Fluorene	15.403	166	43450	3.276	ng		100
20) 4,6-Dinitro-2-methylph...	15.478	198	3484	3.233	ng	#	28
21) 4-Bromophenyl-phenylether	16.292	248	13494	3.395	ng		96
22) Hexachlorobenzene	16.404	284	16890	3.289	ng		99
23) Atrazine	16.565	200	9939	3.584	ng		95
24) Pentachlorophenol	16.751	266	8417	3.654	ng		99
25) Phenanthrene	17.136	178	61959	3.333	ng		100
26) Anthracene	17.223	178	58358	3.441	ng		100
28) Fluoranthene	19.155	202	71018	3.313	ng		99
30) Pyrene	19.517	202	71002	3.306	ng		100
32) Benzo(a)anthracene	21.259	228	62418	3.343	ng		99
33) Chrysene	21.313	228	63542	3.268	ng		99
34) Bis(2-ethylhexyl)phtha...	21.223	149	29561	3.519	ng		99
36) Indeno(1,2,3-cd)pyrene	25.788	276	67476	3.467	ng		99
37) Benzo(b)fluoranthene	22.847	252	60420	3.407	ng	#	93
38) Benzo(k)fluoranthene	22.891	252	63137	3.450	ng	#	93
39) Benzo(a)pyrene	23.420	252	51171	3.459	ng	#	92
40) Dibenzo(a,h)anthracene	25.800	278	55412	3.516	ng		95
41) Benzo(g,h,i)perylene	26.472	276	55959	3.430	ng		96

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

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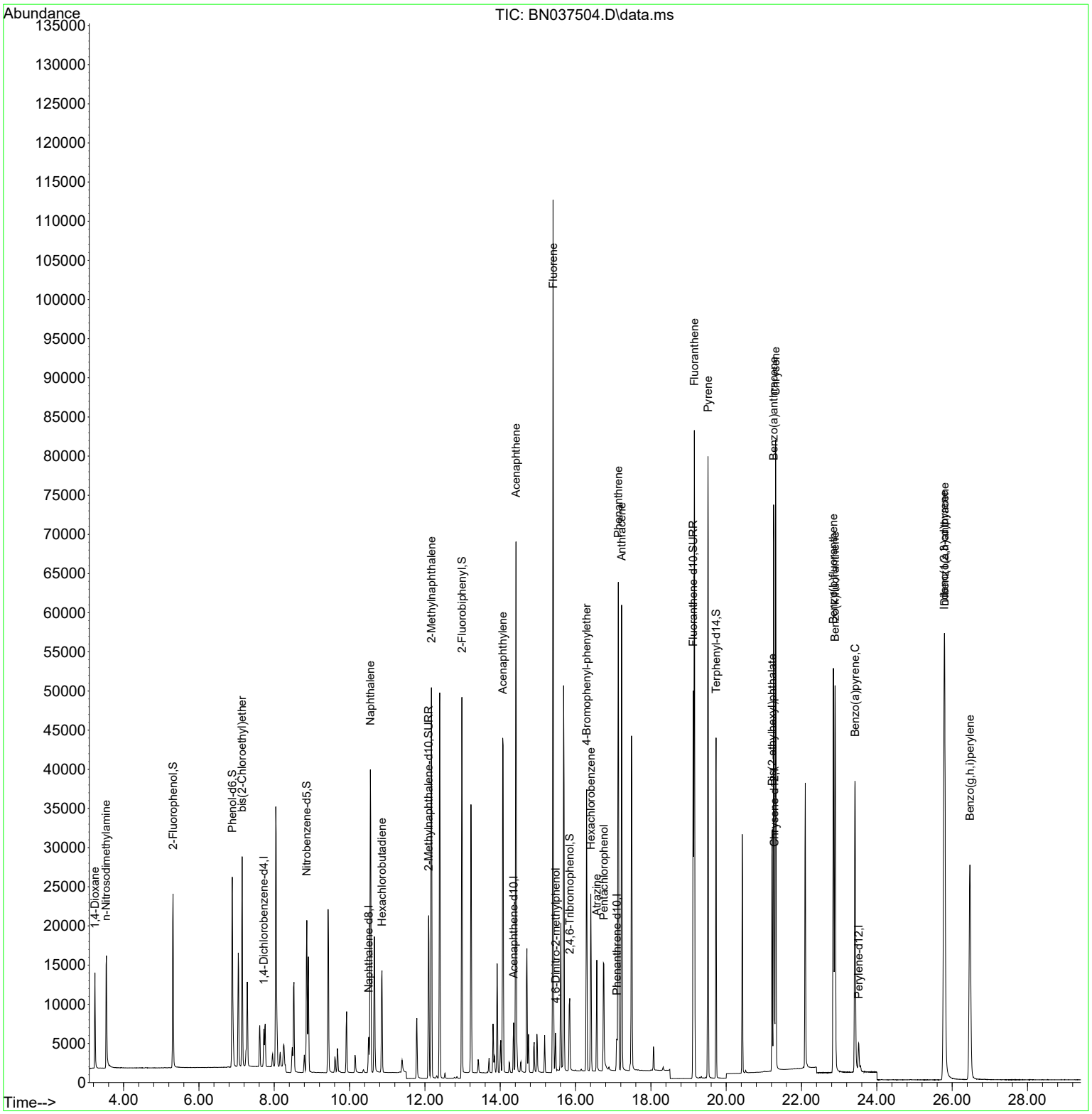
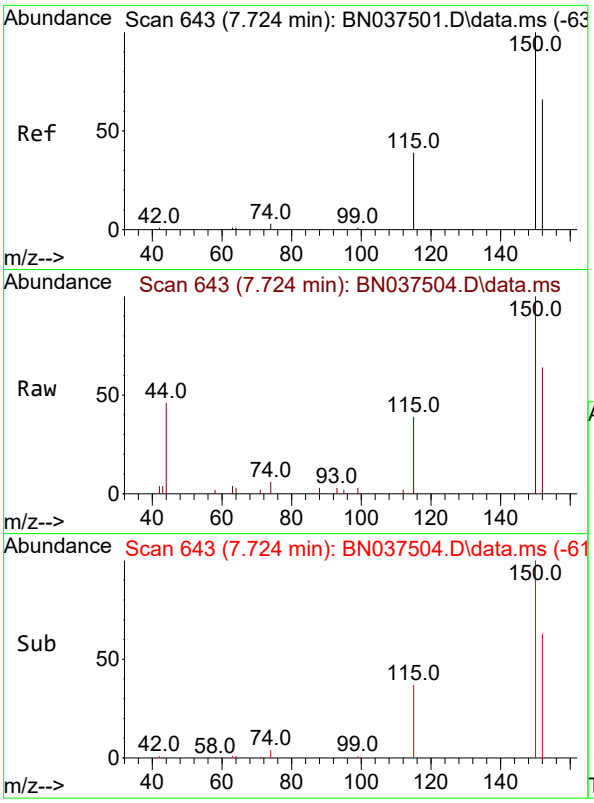
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 16:45:15 2025
Response via : Initial Calibration



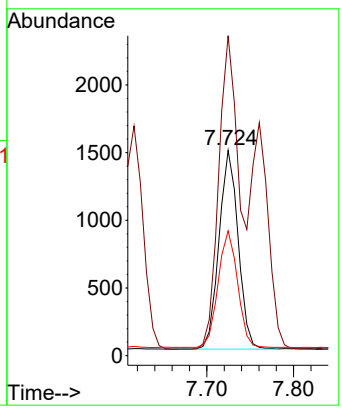


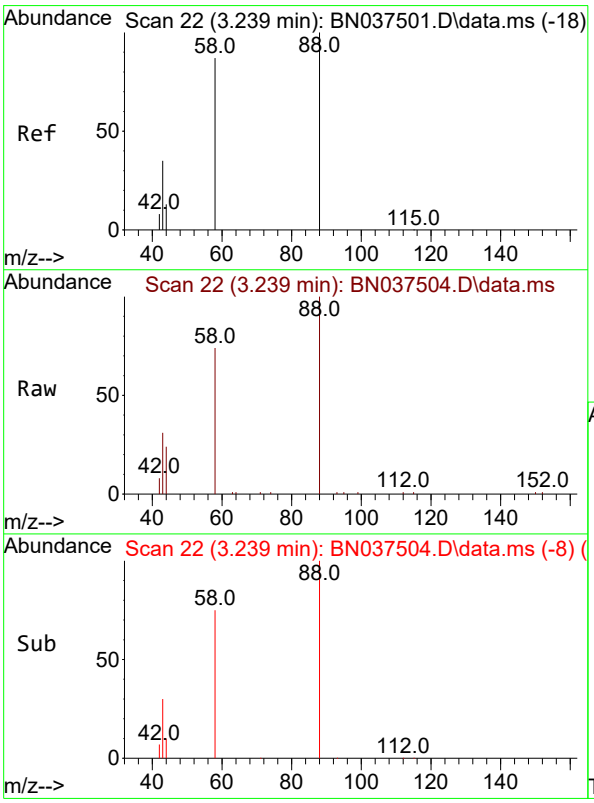
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 2243

Ion	Ratio	Lower	Upper
152	100		
150	155.8	119.8	179.8
115	60.8	49.1	73.7

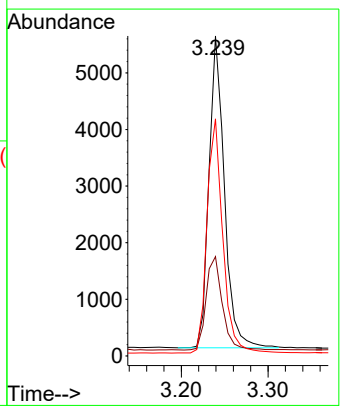


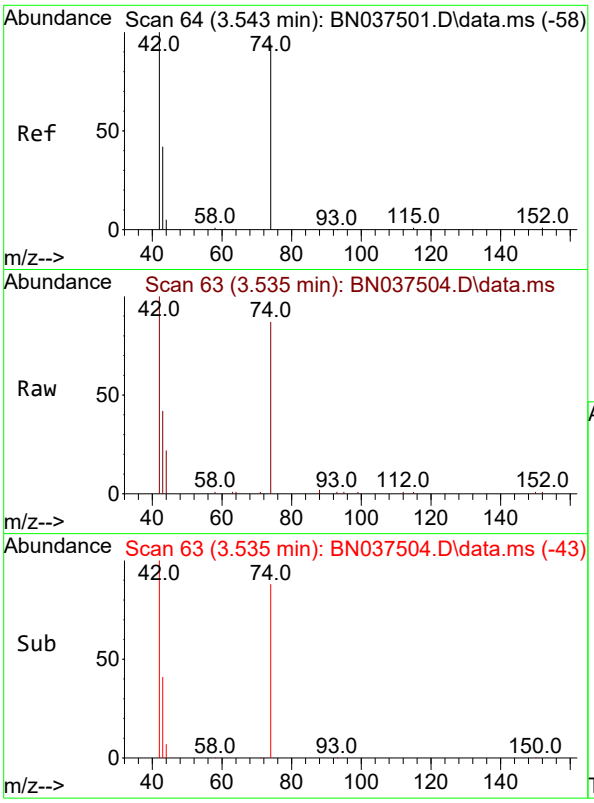


#2
1,4-Dioxane
Concen: 3.161 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion: 88 Resp: 6815

Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.5	41.3
58	77.1	62.7	94.1



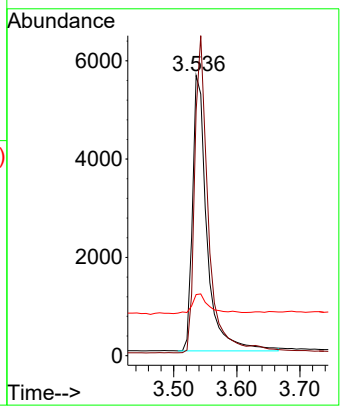


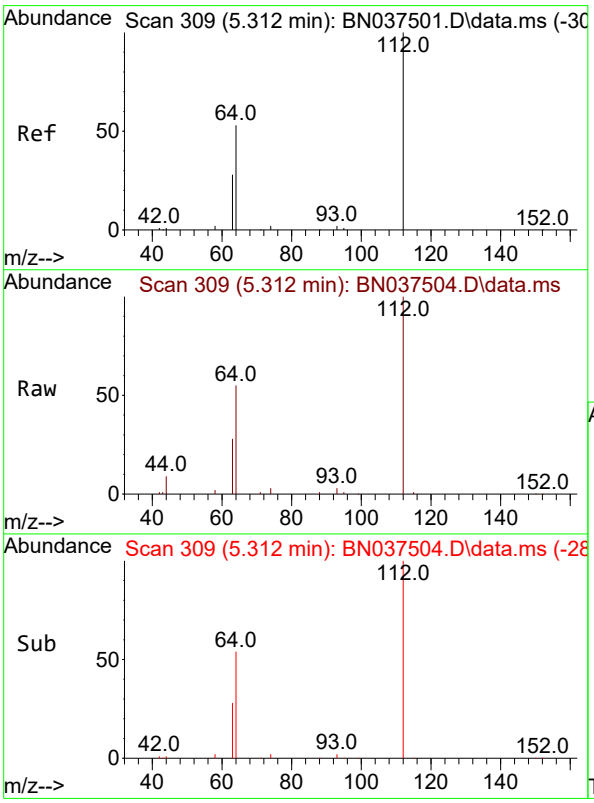
#3
n-Nitrosodimethylamine
Concen: 3.298 ng
RT: 3.535 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 8946

Ion	Ratio	Lower	Upper
42	100		
74	110.0	91.8	137.6
44	8.4	15.0	22.6#

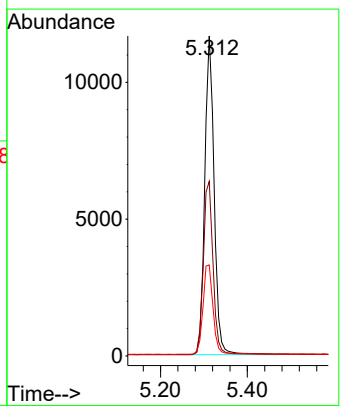


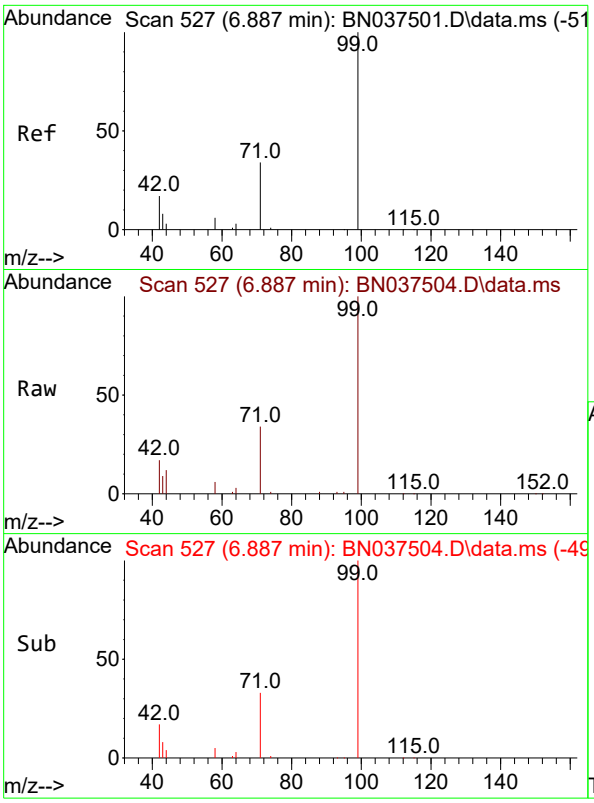


#4
2-Fluorophenol
Concen: 3.140 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:112 Resp: 17416

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.1	67.7
63	29.6	23.8	35.8



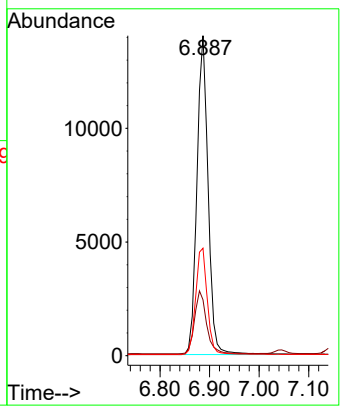


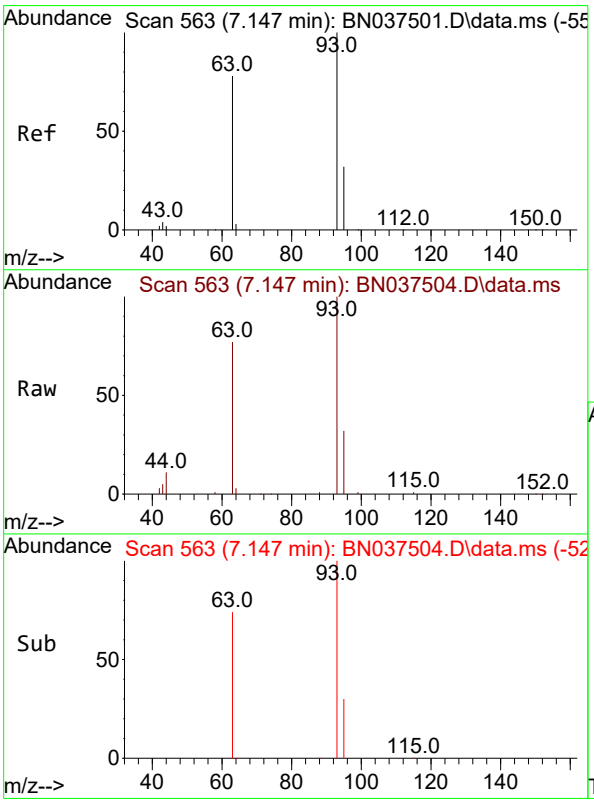
#5
Phenol-d6
Concen: 3.169 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 22047

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	34.8	27.8	41.8

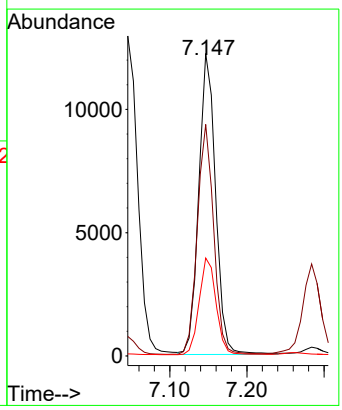


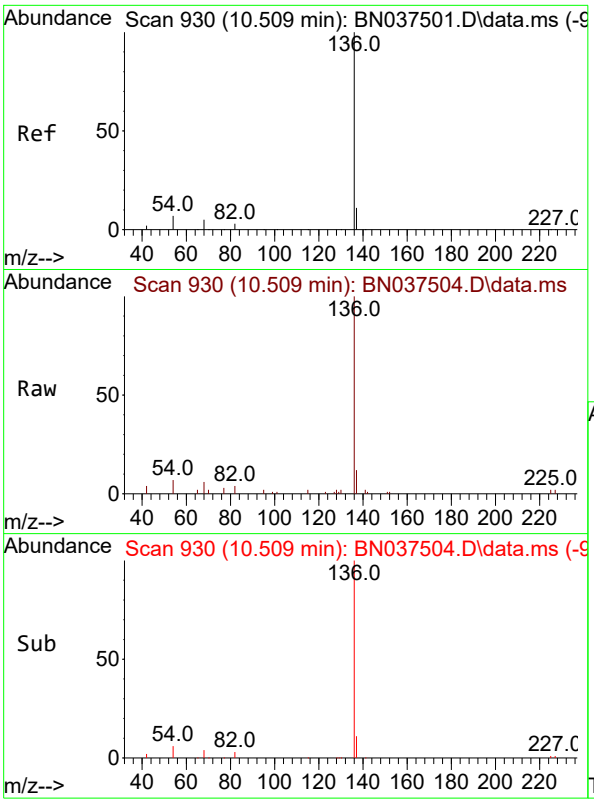


#6
bis(2-Chloroethyl)ether
Concen: 3.203 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion: 93 Resp: 18545

Ion	Ratio	Lower	Upper
93	100		
63	74.3	58.2	87.4
95	32.2	25.3	37.9



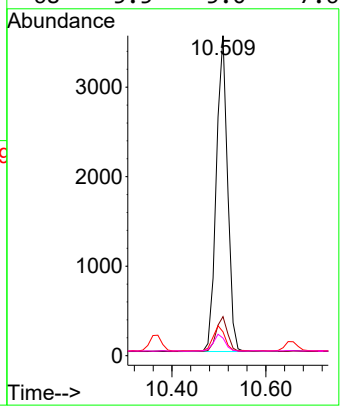


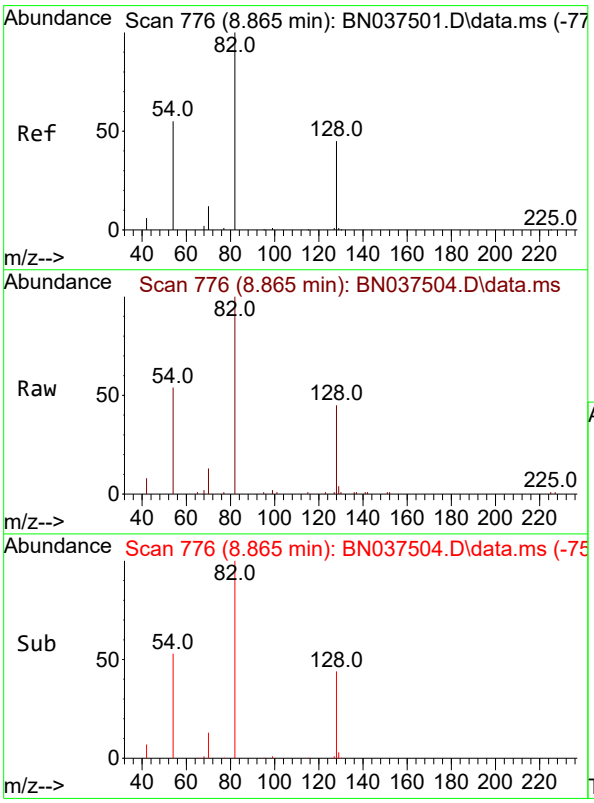
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 5878

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	7.5	6.6	9.8
68	5.5	5.0	7.6

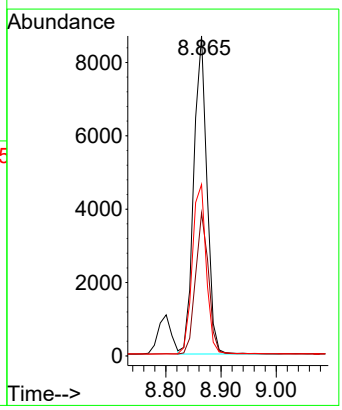


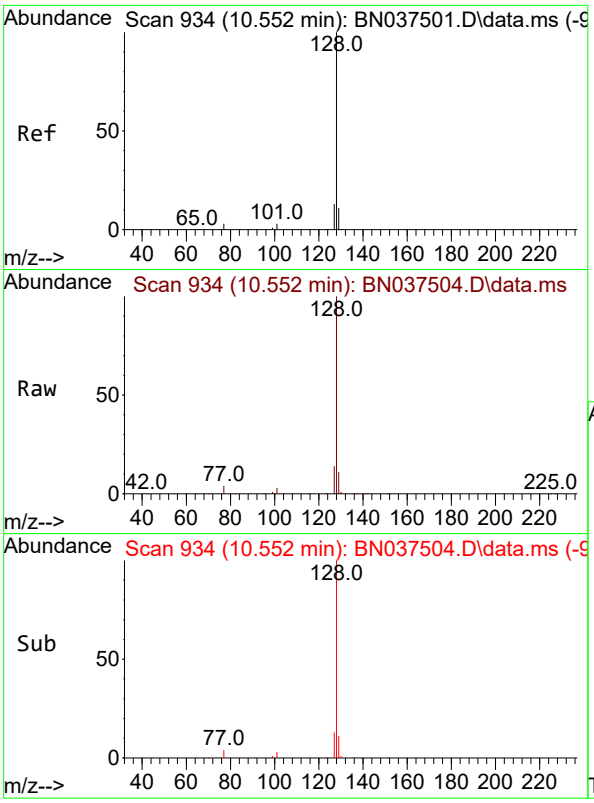


#8
Nitrobenzene-d5
Concen: 3.261 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion: 82 Resp: 14330

Ion	Ratio	Lower	Upper
82	100		
128	44.7	37.5	56.3
54	53.6	45.3	67.9



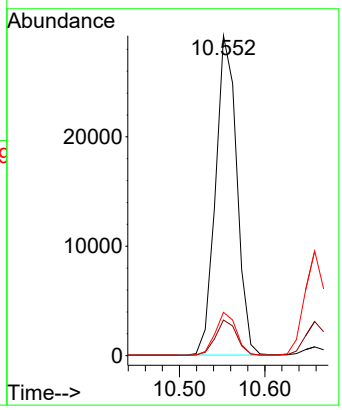


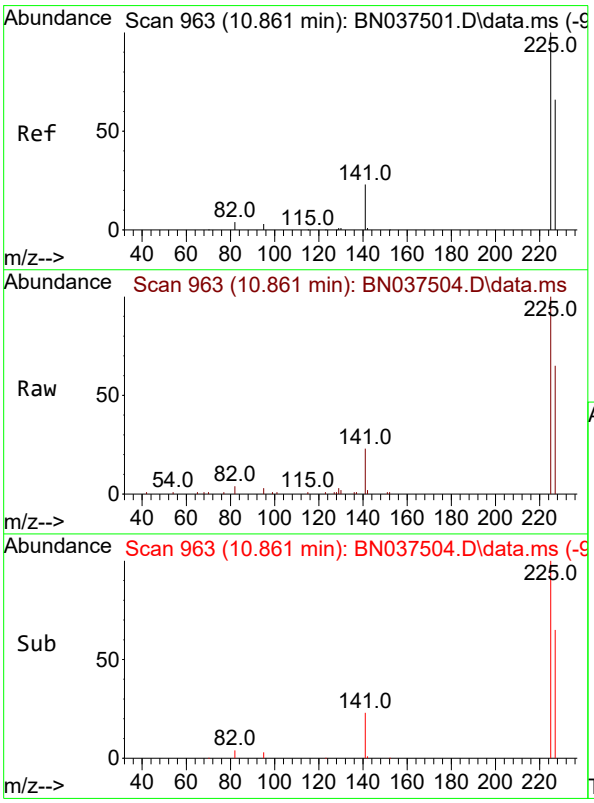
#9
Naphthalene
Concen: 3.219 ng
RT: 10.552 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 50467

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.7	14.5
127	13.6	11.5	17.3

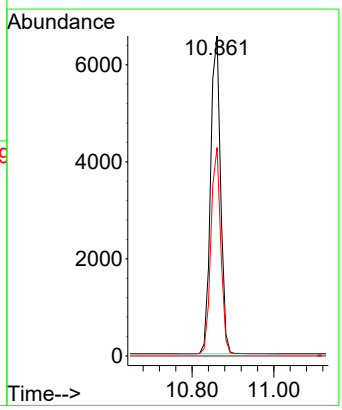


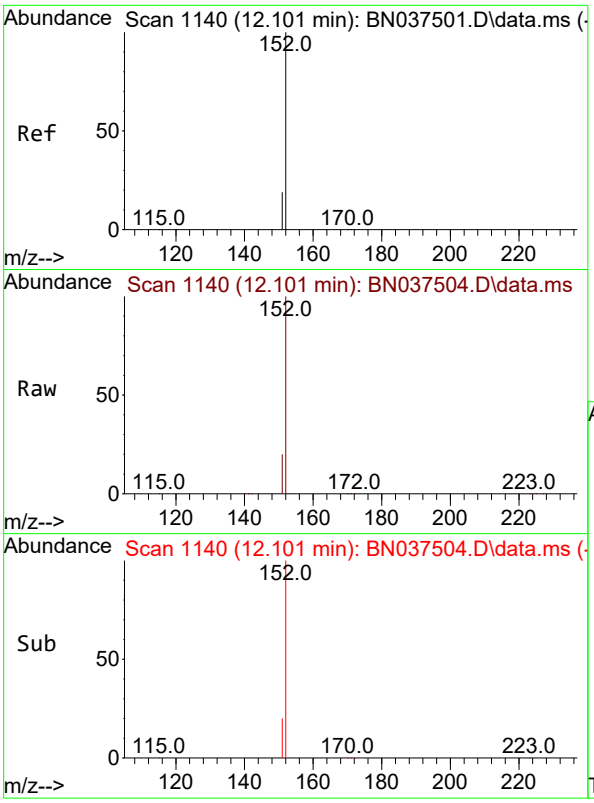


#10
Hexachlorobutadiene
Concen: 3.206 ng
RT: 10.861 min Scan# 963
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:225 Resp: 11106

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.0	76.4



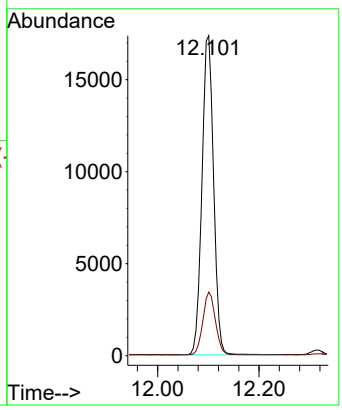


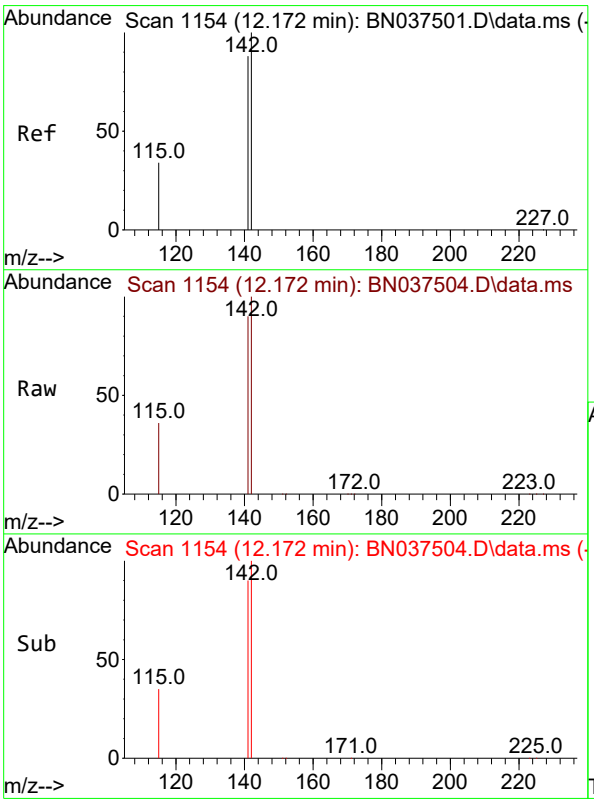
#11
2-Methylnaphthalene-d10
Concen: 3.293 ng
RT: 12.101 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 27759

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.8	25.2

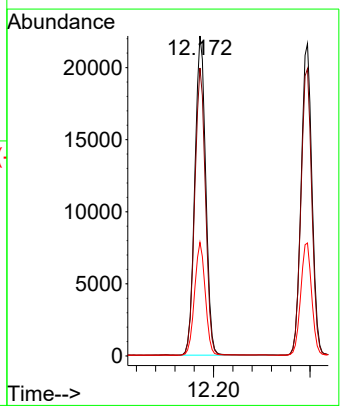


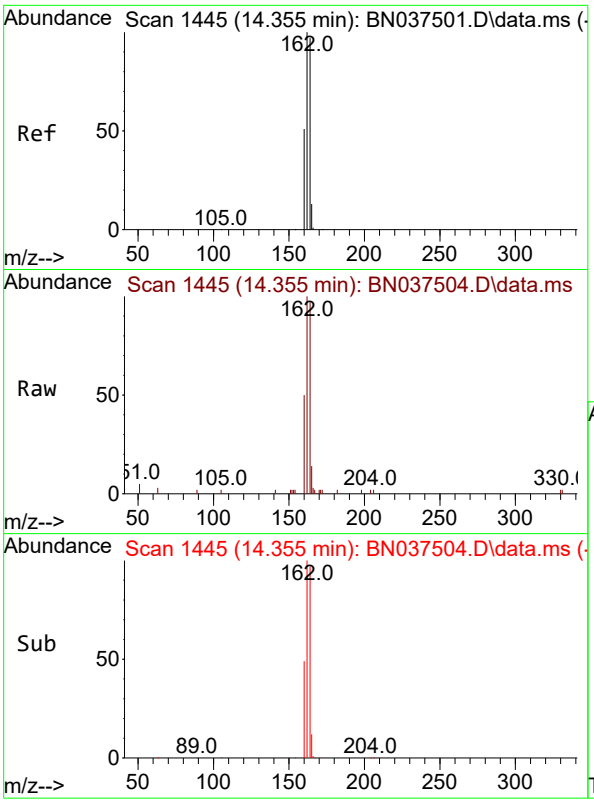


#12
2-Methylnaphthalene
Concen: 3.358 ng
RT: 12.172 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:142 Resp: 34611

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.4
115	35.5	29.0	43.4



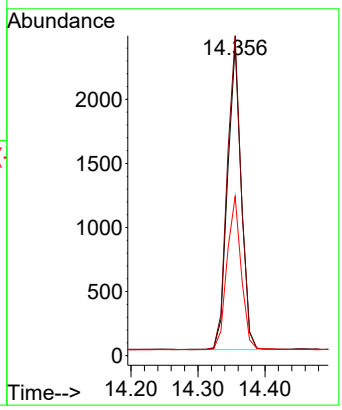


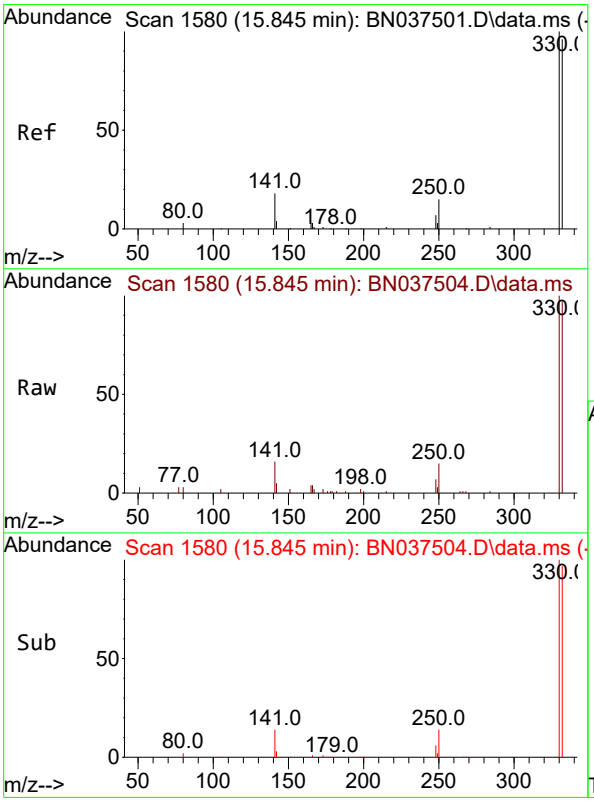
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 3382

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.0	123.0
160	51.2	42.4	63.6

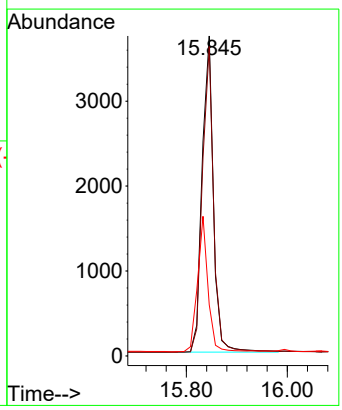


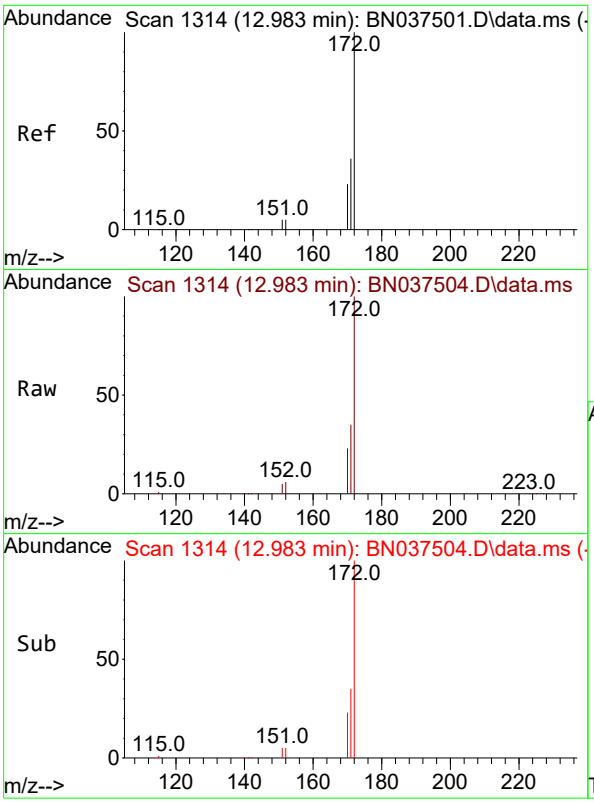


#14
2,4,6-Tribromophenol
Concen: 3.494 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:330 Resp: 5808

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.1	114.1
141	39.8	33.4	50.0



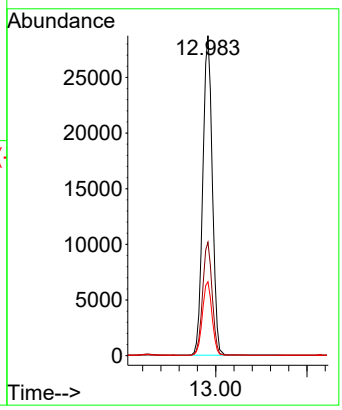


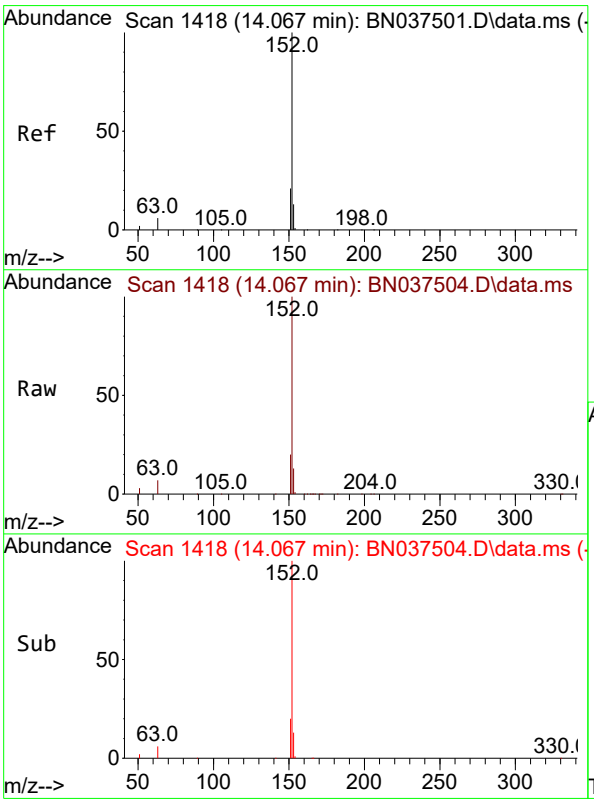
#15
2-Fluorobiphenyl
Concen: 3.393 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 59667

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.2
170	23.1	19.4	29.0

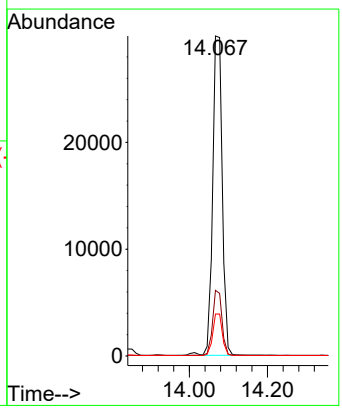


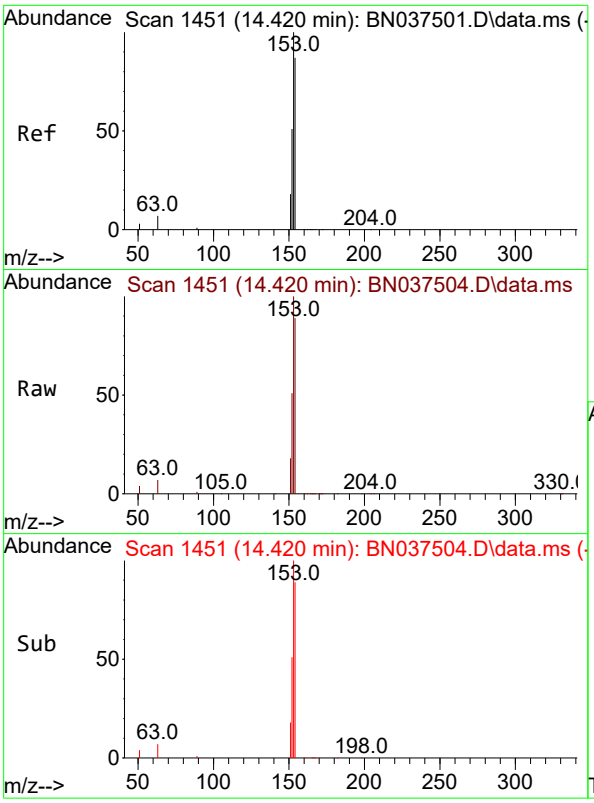


#16
Acenaphthylene
Concen: 3.385 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:152 Resp: 51277

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.0	10.7	16.1



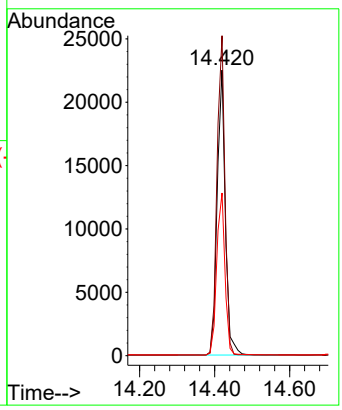


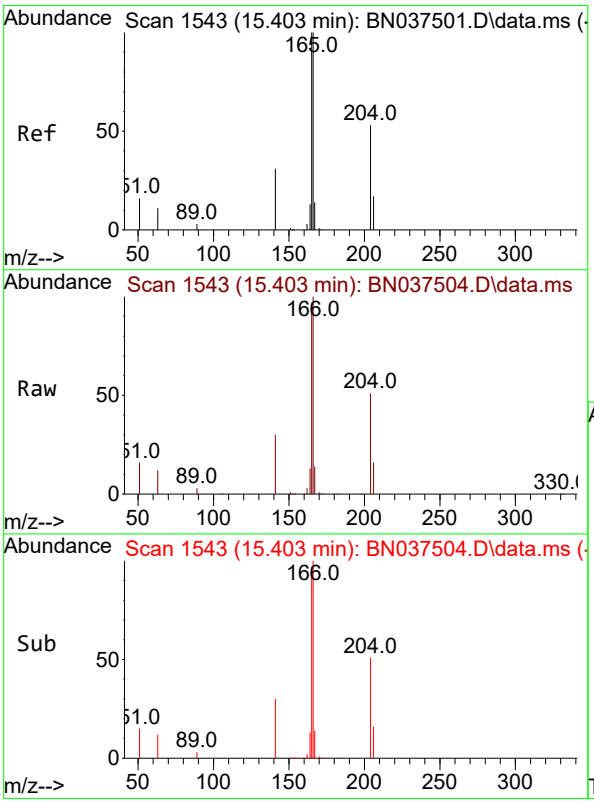
#17
Acenaphthene
Concen: 3.286 ng
RT: 14.420 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 33858

Ion	Ratio	Lower	Upper
154	100		
153	109.6	89.2	133.8
152	57.7	48.0	72.0

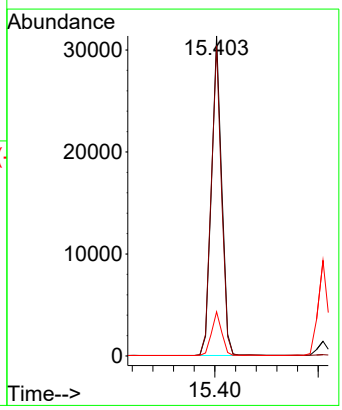


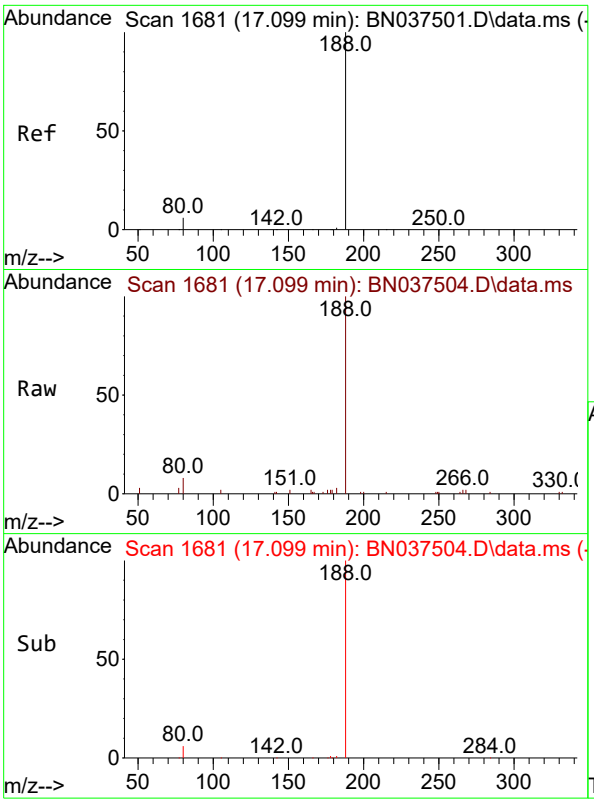


#18
Fluorene
Concen: 3.276 ng
RT: 15.403 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:166 Resp: 43450

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.1	117.1
167	13.4	11.0	16.6



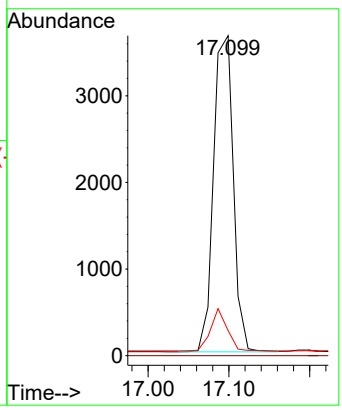


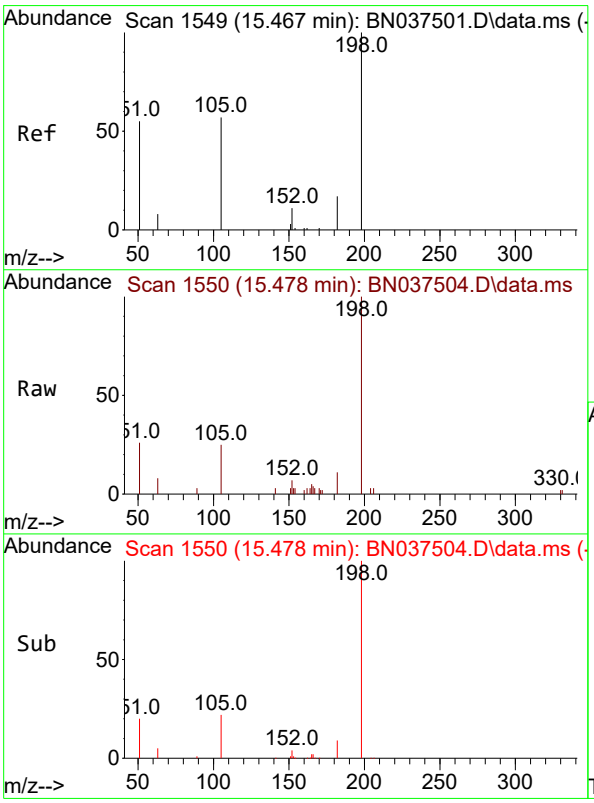
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 6204

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	6.0	9.0

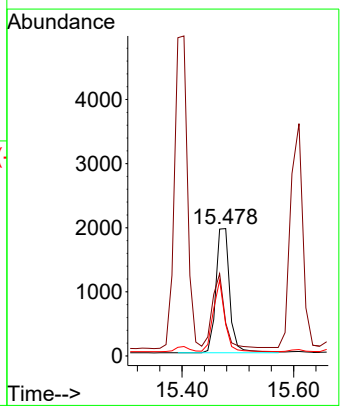


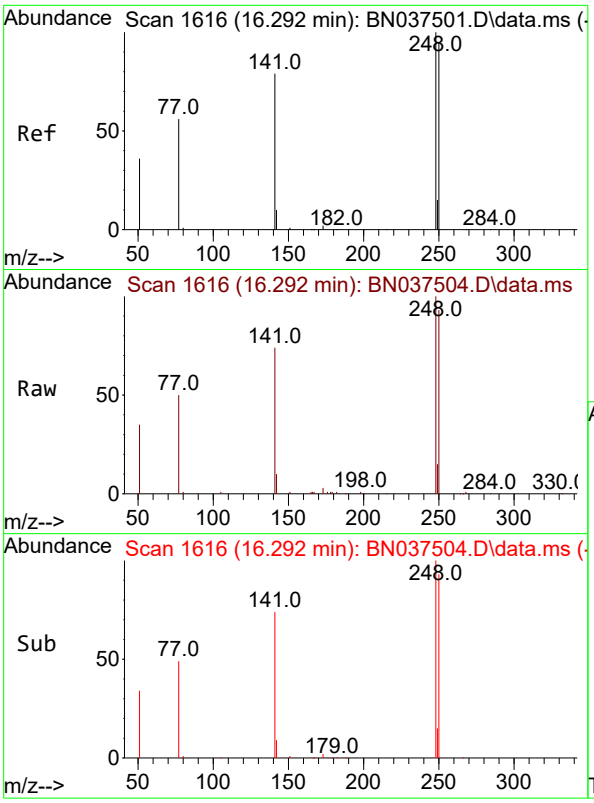


#20
4,6-Dinitro-2-methylphenol
Concen: 3.233 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.011 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:198 Resp: 3484

Ion	Ratio	Lower	Upper
198	100		
51	25.8	88.5	132.7#
105	24.7	61.2	91.8#



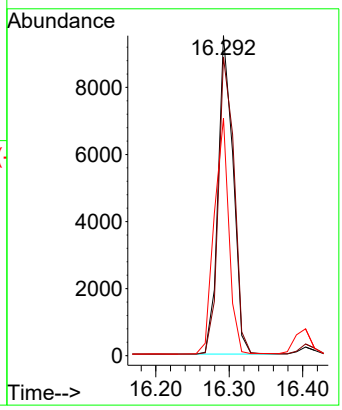


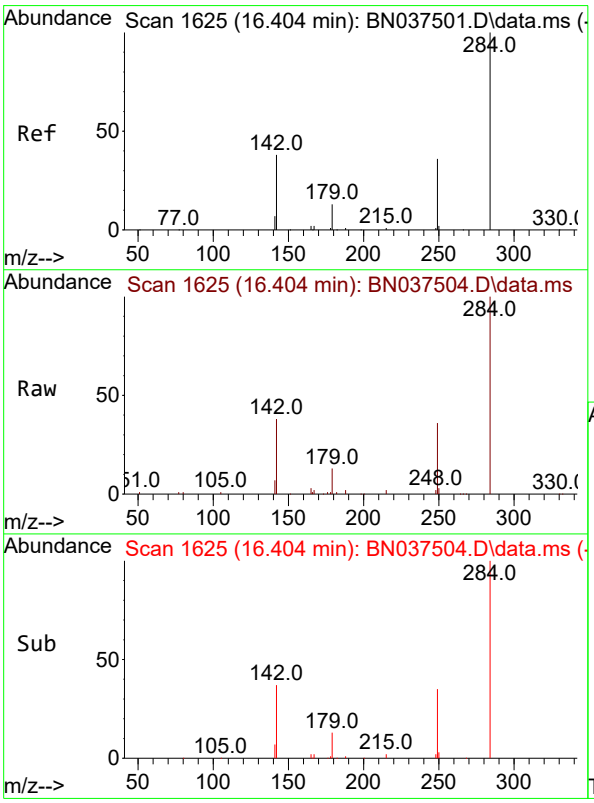
#21
4-Bromophenyl-phenylether
Concen: 3.395 ng
RT: 16.292 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 13494

Ion	Ratio	Lower	Upper
248	100		
250	93.3	76.2	114.2
141	74.3	63.9	95.9

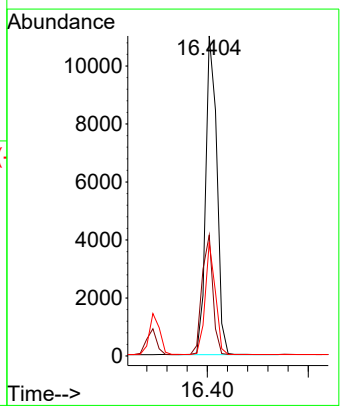


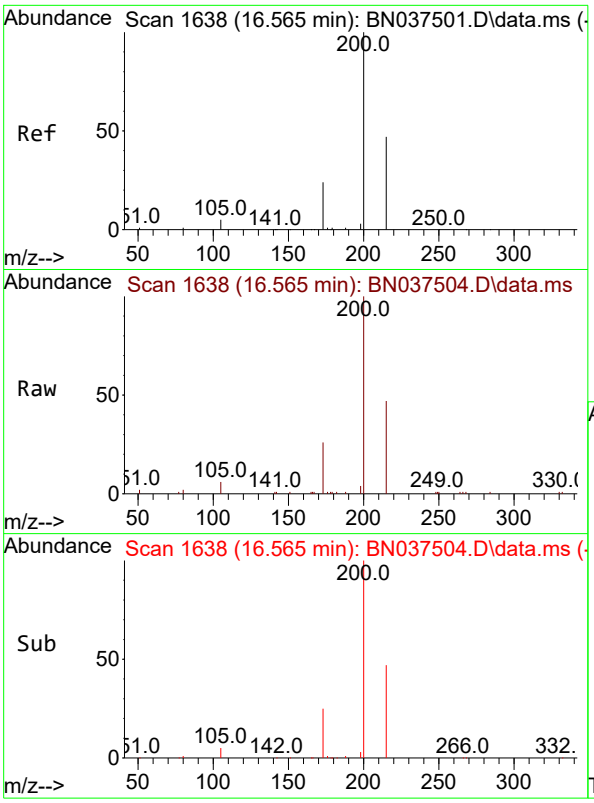


#22
Hexachlorobenzene
Concen: 3.289 ng
RT: 16.404 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:284 Resp: 16890

Ion	Ratio	Lower	Upper
284	100		
142	36.7	28.9	43.3
249	32.2	25.8	38.6



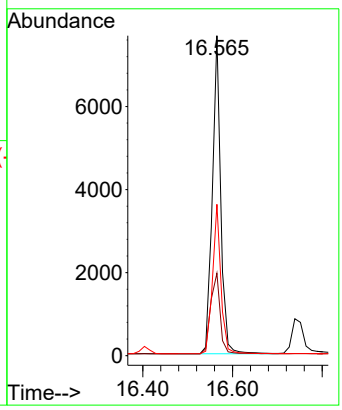


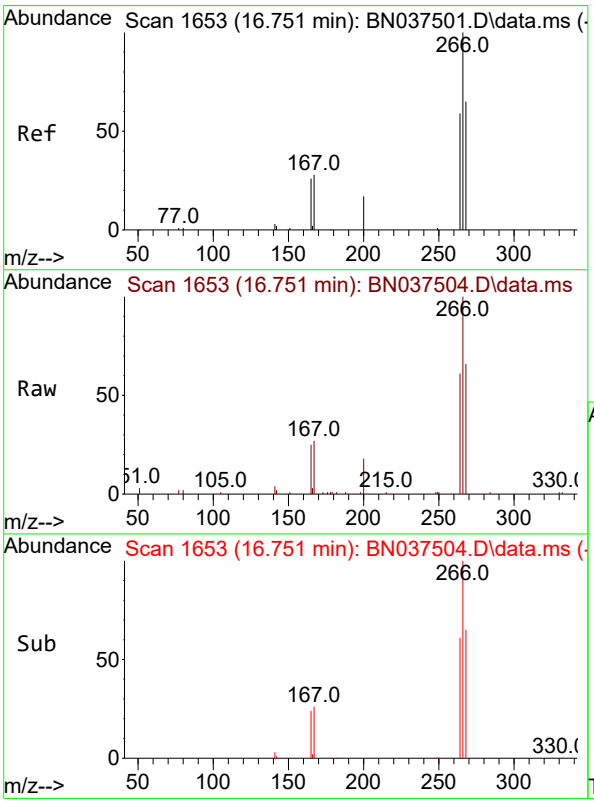
#23
Atrazine
Concen: 3.584 ng
RT: 16.565 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 9939

Ion	Ratio	Lower	Upper
200	100		
173	25.8	23.2	34.8
215	47.3	40.2	60.4

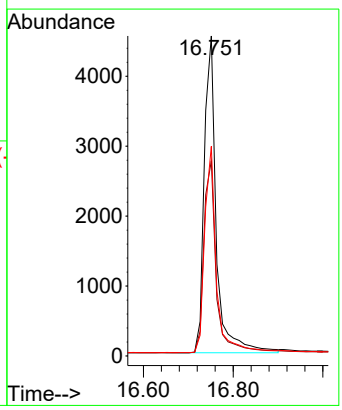


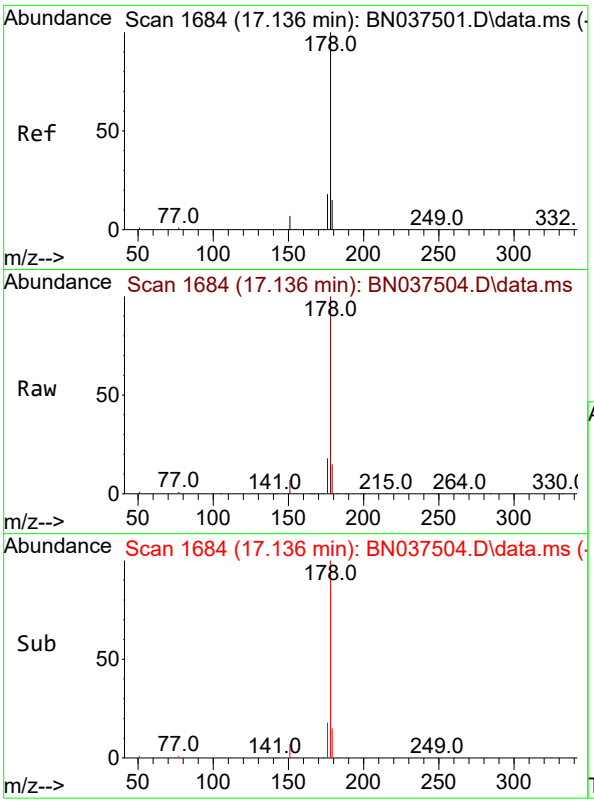


#24
Pentachlorophenol
Concen: 3.654 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:266 Resp: 8417

Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.3	73.9
268	63.0	51.6	77.4



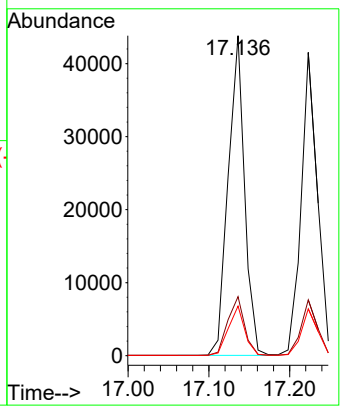


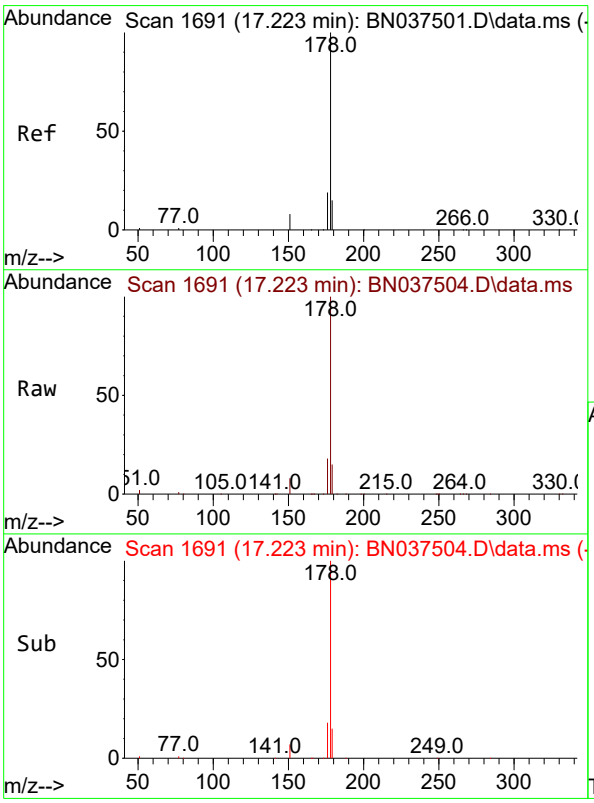
#25
Phenanthrene
Concen: 3.333 ng
RT: 17.136 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 61959

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.3	12.2	18.2

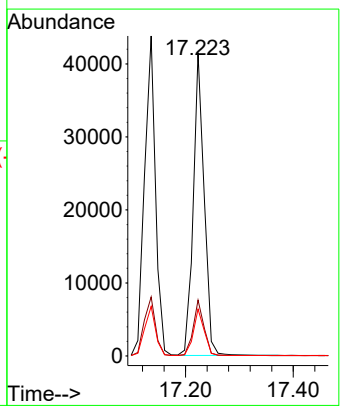


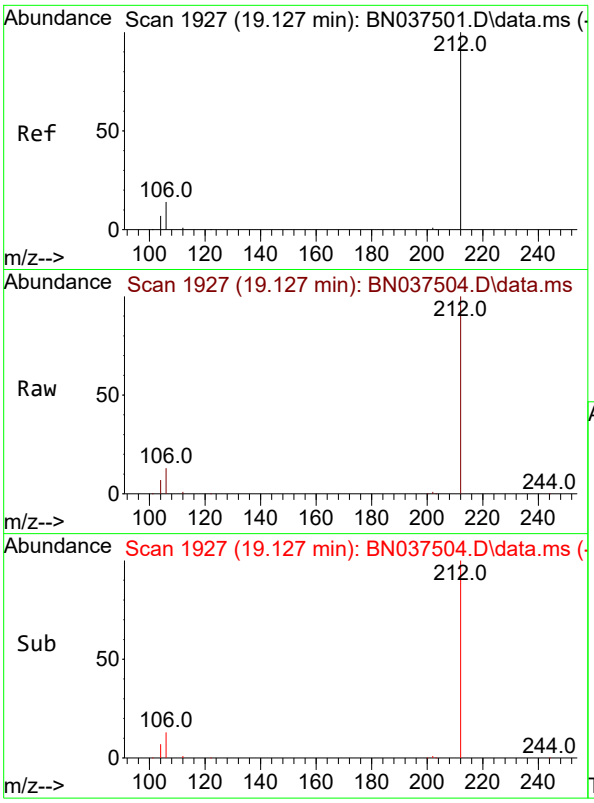


#26
Anthracene
Concen: 3.441 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:178 Resp: 58358

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.4	12.3	18.5



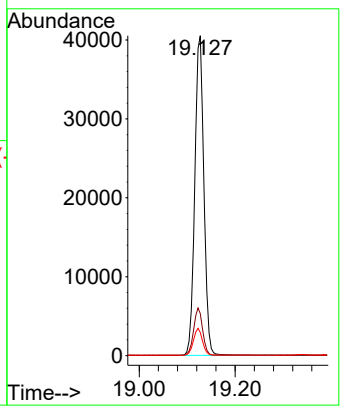


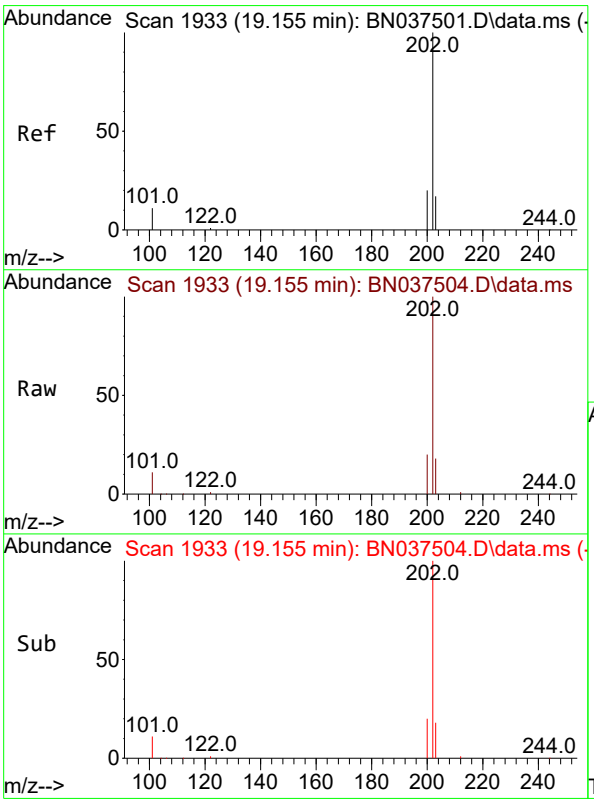
#27
Fluoranthene-d10
Concen: 3.257 ng
RT: 19.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 53521

Ion	Ratio	Lower	Upper
212	100		
106	14.6	12.2	18.4
104	8.2	6.7	10.1

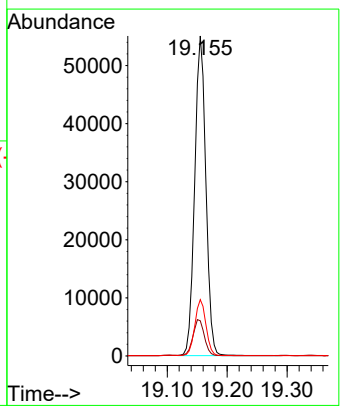


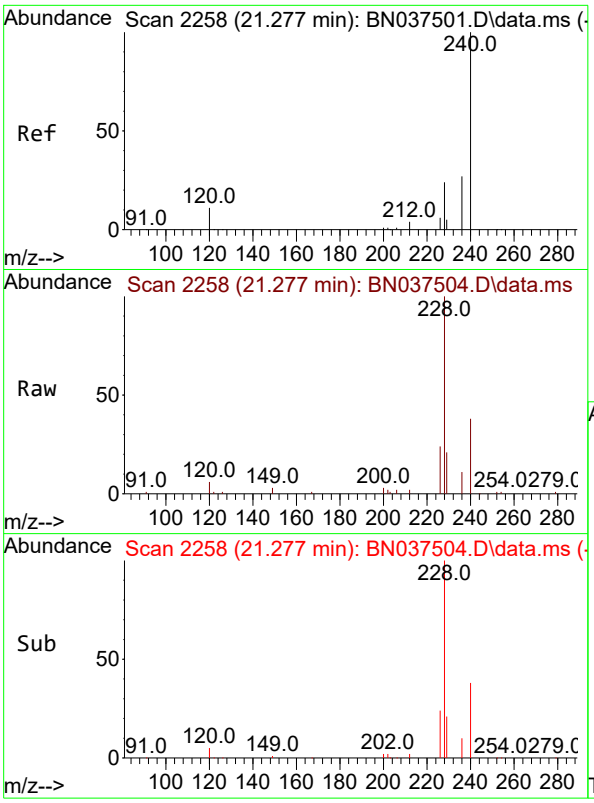


#28
Fluoranthene
Concen: 3.313 ng
RT: 19.155 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:202 Resp: 71018

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.8	14.6
203	17.4	13.6	20.4



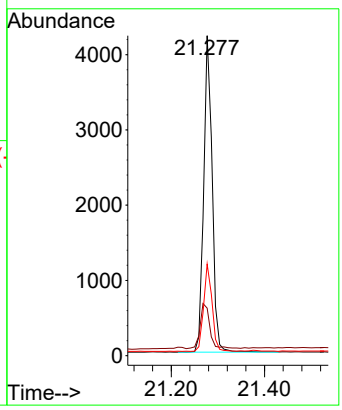


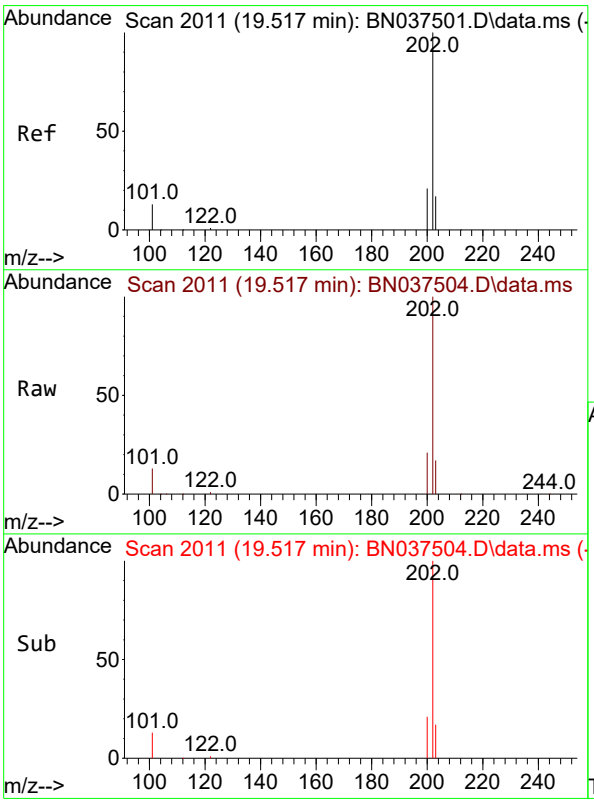
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 5331

Ion	Ratio	Lower	Upper
240	100		
120	14.9	10.7	16.1
236	28.6	22.6	33.8

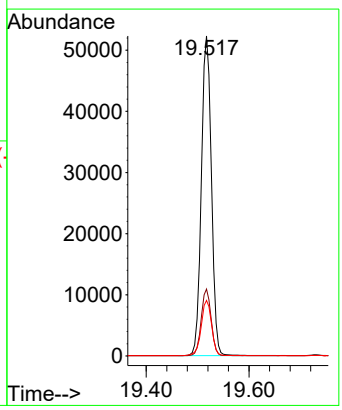


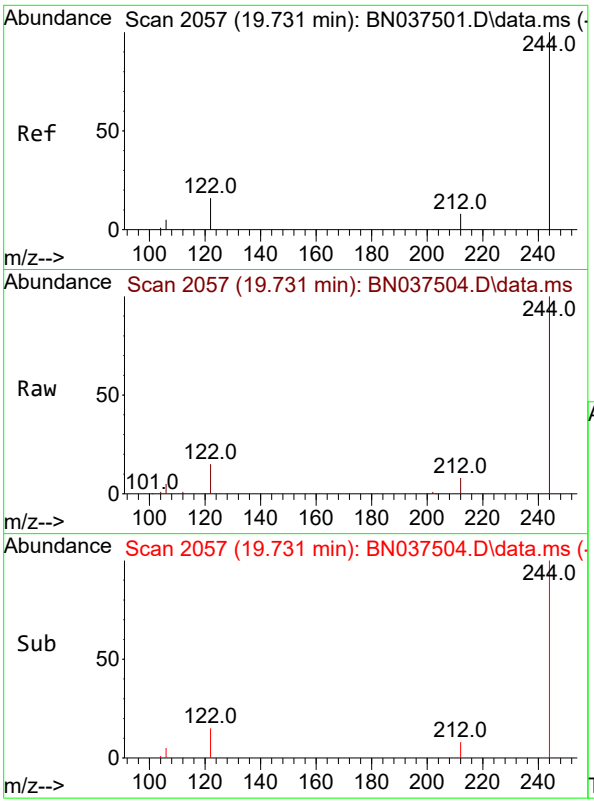


#30
Pyrene
Concen: 3.306 ng
RT: 19.517 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:202 Resp: 71002

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.8	14.3	21.5



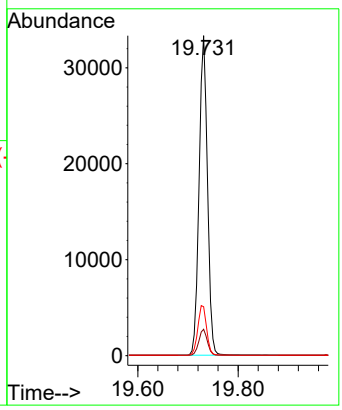


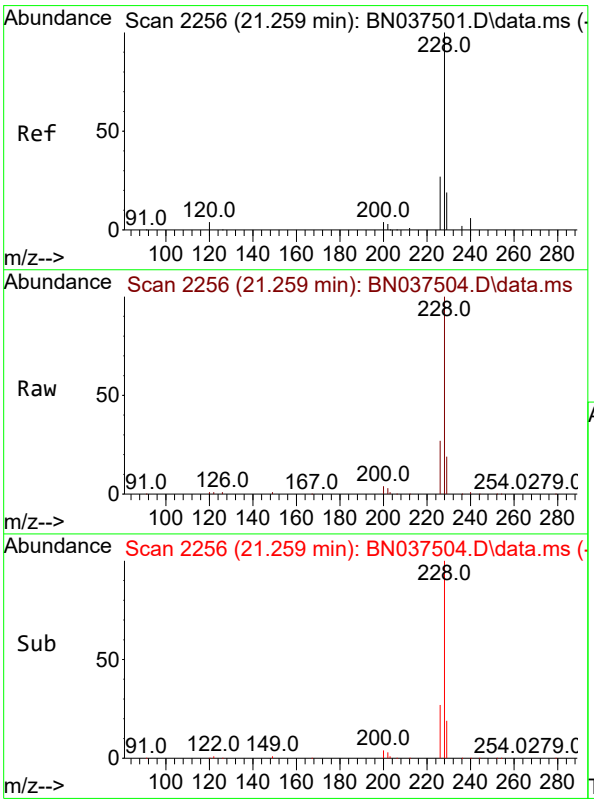
#31
Terphenyl-d14
Concen: 3.357 ng
RT: 19.731 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 38458

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.4	11.2
122	15.3	13.6	20.4

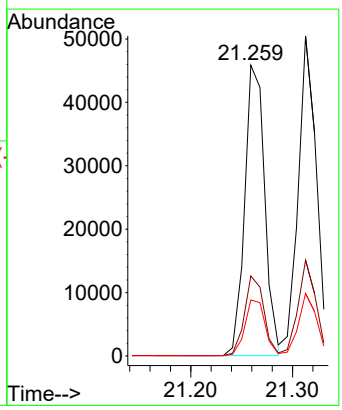


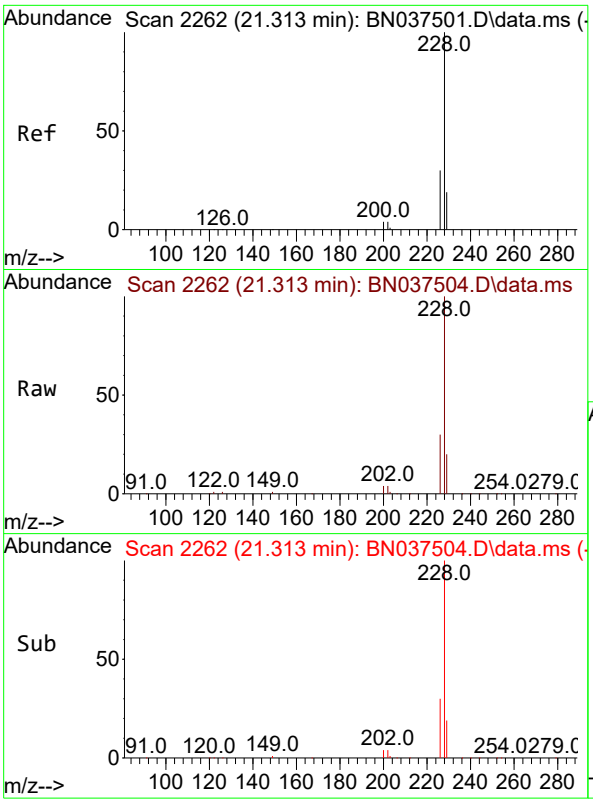


#32
Benzo(a)anthracene
Concen: 3.343 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:228 Resp: 62418

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	19.2	15.8	23.8



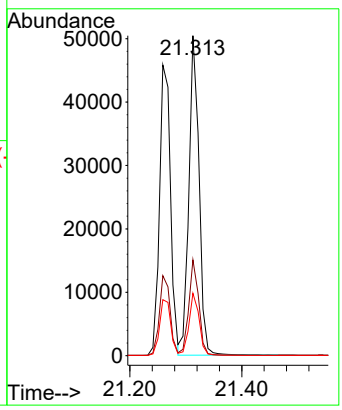


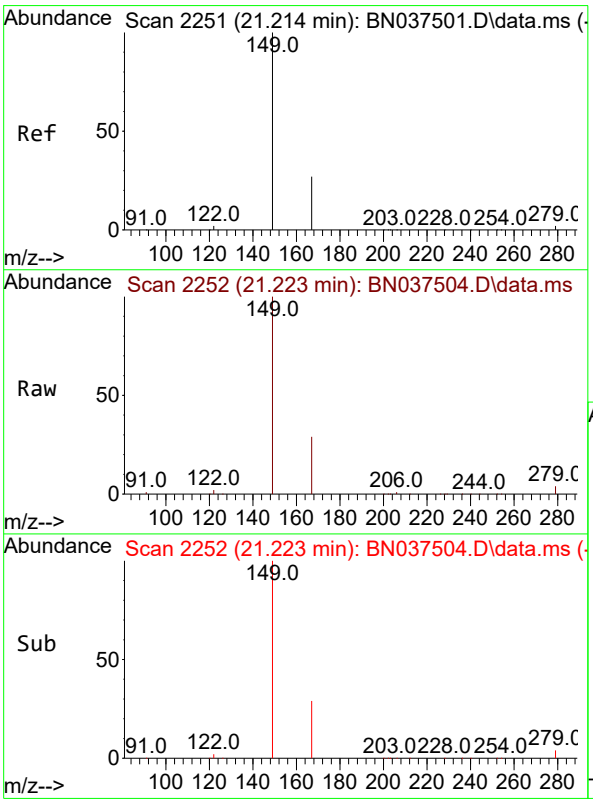
#33
Chrysene
Concen: 3.268 ng
RT: 21.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 63542

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.4
229	19.5	16.1	24.1

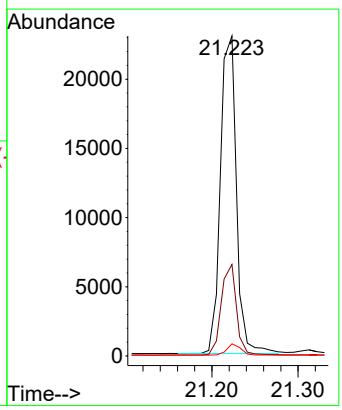


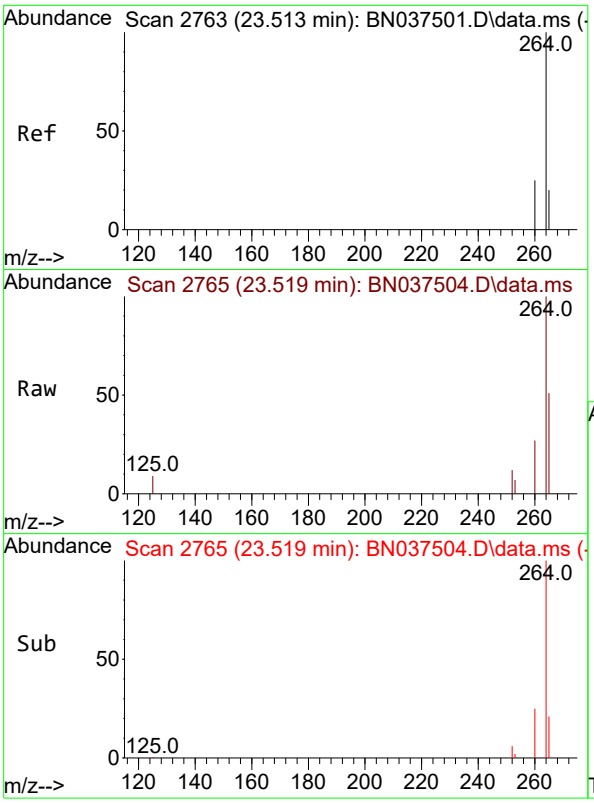


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.519 ng
RT: 21.223 min Scan# 2252
Delta R.T. 0.009 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:149 Resp: 29561

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.1	3.0	4.4



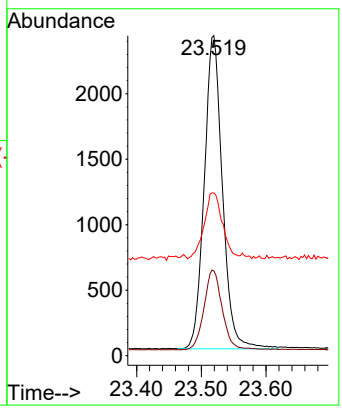


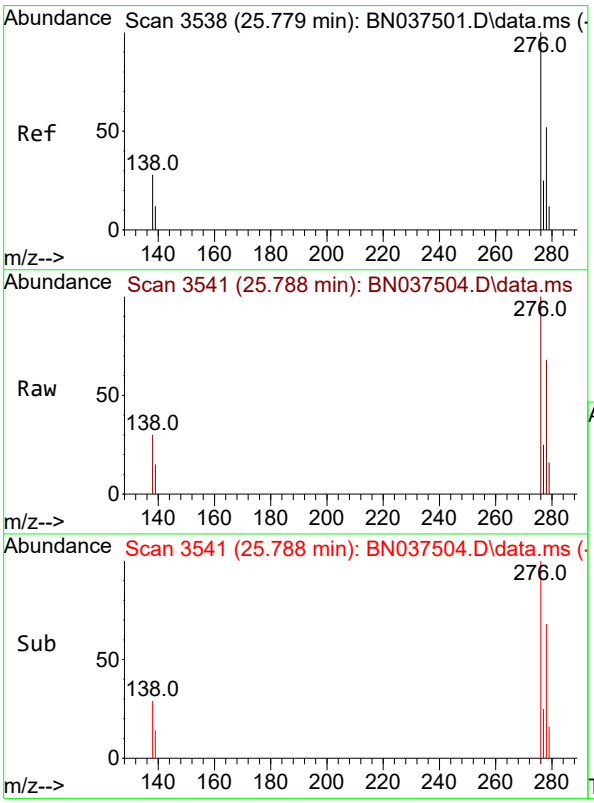
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 4672

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.2	31.8
265	50.8	40.4	60.6

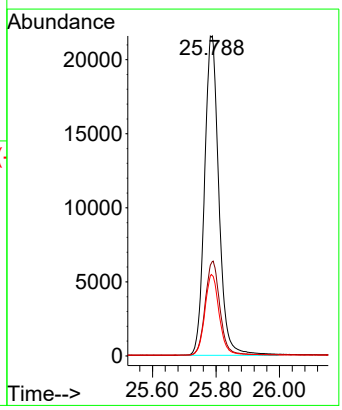


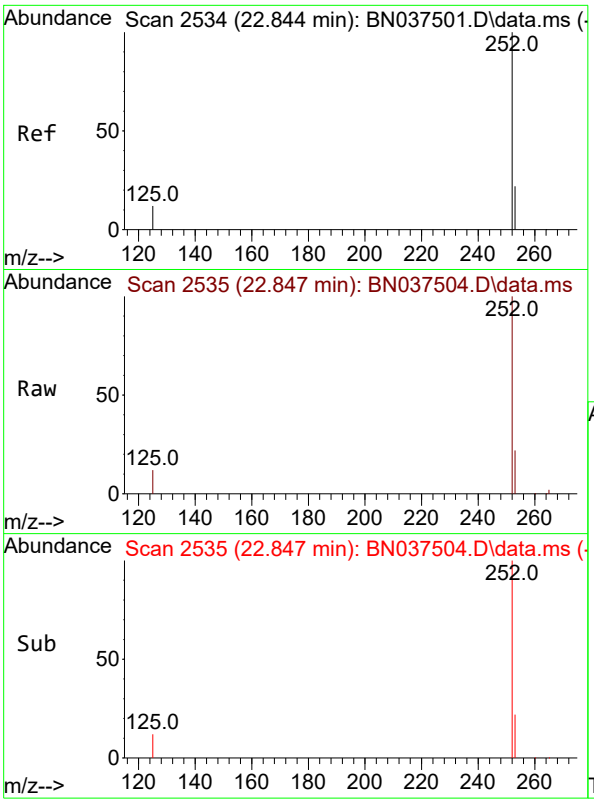


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.467 ng
RT: 25.788 min Scan# 3541
Delta R.T. 0.009 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:276 Resp: 67476

Ion	Ratio	Lower	Upper
276	100		
138	30.2	24.0	36.0
277	25.2	20.5	30.7



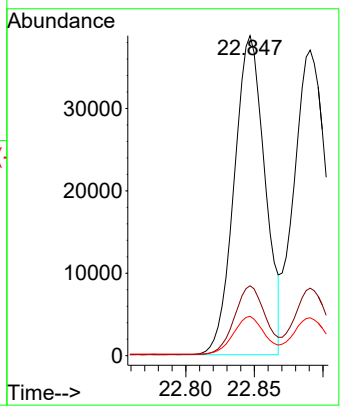


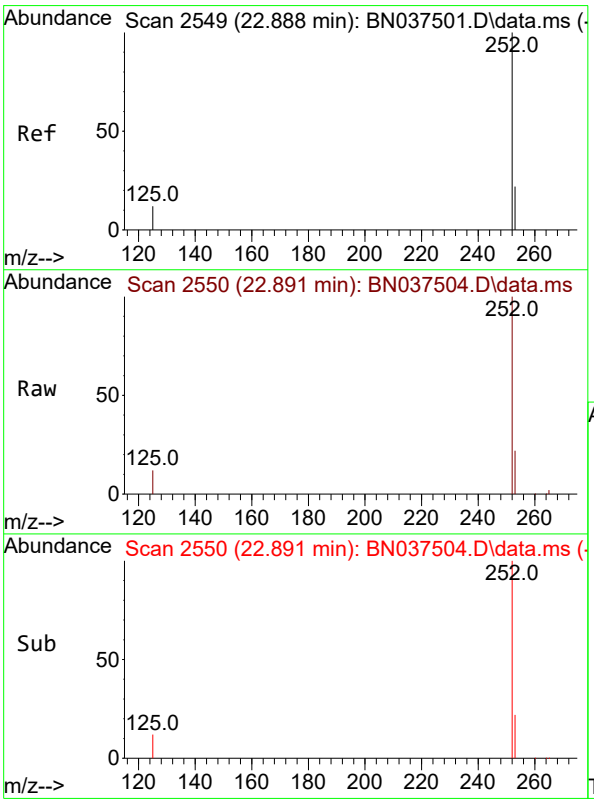
#37
Benzo(b)fluoranthene
Concen: 3.407 ng
RT: 22.847 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 60420

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.5	29.3
125	12.3	13.0	19.6#

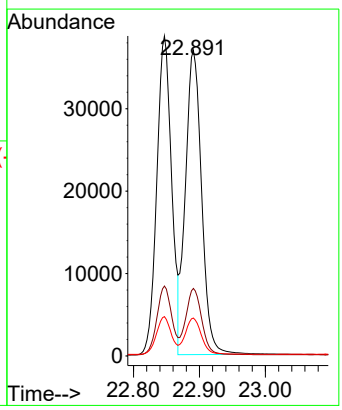


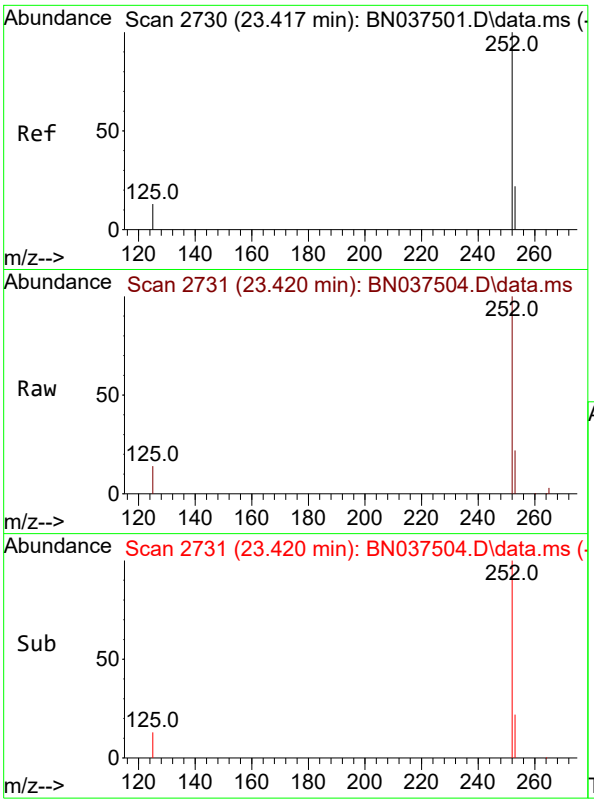


#38
Benzo(k)fluoranthene
Concen: 3.450 ng
RT: 22.891 min Scan# 2550
Delta R.T. 0.003 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:252 Resp: 63137

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.5	29.3
125	12.4	13.1	19.7#



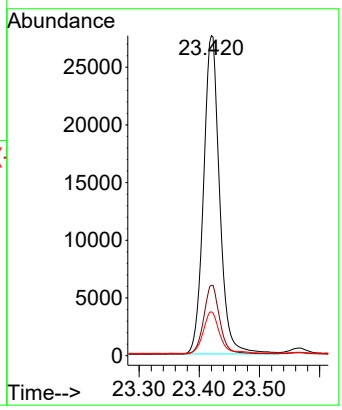


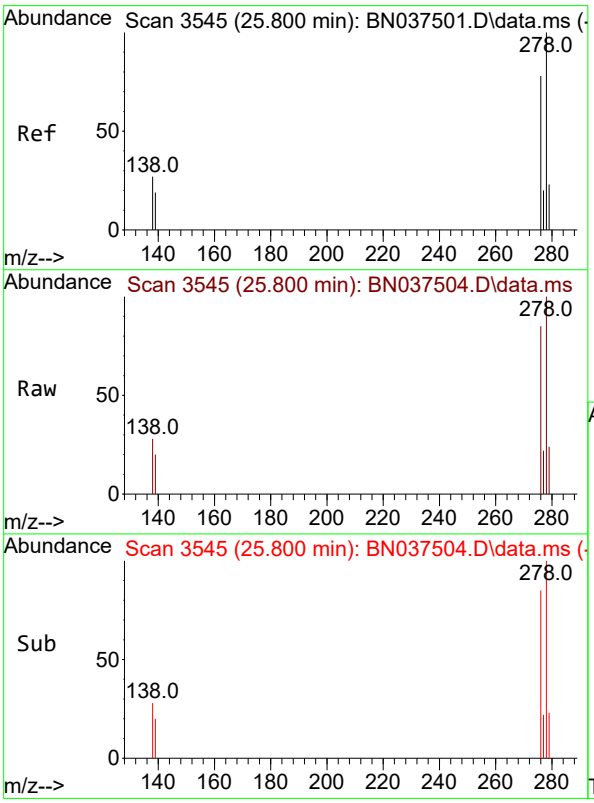
#39
Benzo(a)pyrene
Concen: 3.459 ng
RT: 23.420 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 51171

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.9	29.9
125	13.7	15.2	22.8#

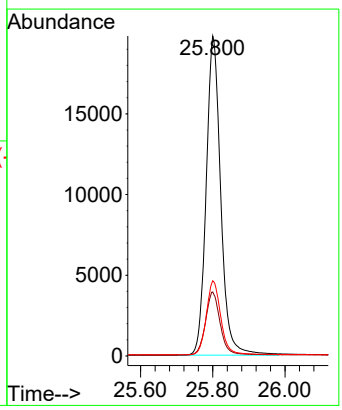


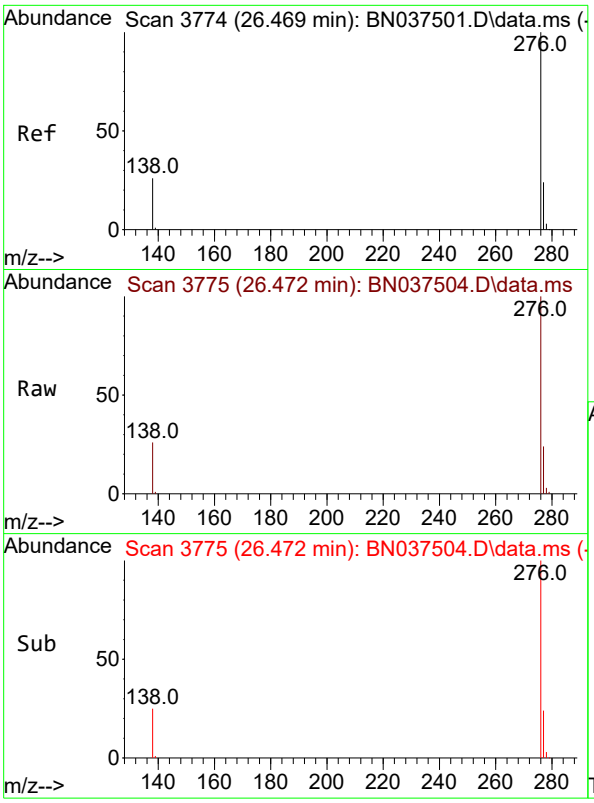


#40
Dibenzo(a,h)anthracene
Concen: 3.516 ng
RT: 25.800 min Scan# 3545
Delta R.T. 0.000 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Tgt Ion:278 Resp: 55412

Ion	Ratio	Lower	Upper
278	100		
139	20.0	17.5	26.3
279	23.5	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 3.430 ng
RT: 26.472 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037504.D
Acq: 15 Jul 2025 15:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 55959

Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.9	31.3
138	25.8	22.6	33.8