Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071625\
Data File : BN037510.D
Acq On : 16 Jul 2025 09:50
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 16 10:53:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 16 02:38:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2448	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	6343	0.400	ng	# 0.00
13) Acenaphthene-d10	14.355	164	3548	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	6984	0.400	ng	#-0.01
29) Chrysene-d12	21.277	240	5489	0.400	ng	0.00
35) Perylene-d12	23.513	264	5154	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	2313	0.382	ng	0.00
5) Phenol-d6	6.879	99	2880	0.379	ng	0.00
8) Nitrobenzene-d5	8.865	82	1781	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	12.096	152	3385	0.372	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	562	0.322	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	7464	0.405	ng	0.00
27) Fluoranthene-d10	19.122	212	6430	0.348	ng	0.00
31) Terphenyl-d14	19.731	244	4490	0.381	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	983	0.418	ng	98
3) n-Nitrosodimethylamine	3.543	42	1151	0.389	ng	# 98
6) bis(2-Chloroethyl)ether	7.147	93	2538	0.402	ng	99
9) Naphthalene	10.552	128	6526	0.386	ng	99
10) Hexachlorobutadiene	10.850	225	1454	0.389	ng	# 100
12) 2-Methylnaphthalene	12.172	142	4180	0.376	ng	99
16) Acenaphthylene	14.067	152	6187	0.389	ng	99
17) Acenaphthene	14.420	154	4110	0.380	ng	99
18) Fluorene	15.403	166	5393	0.388	ng	100
20) 4,6-Dinitro-2-methylph...	15.467	198	265	0.371	ng	95
21) 4-Bromophenyl-phenylether	16.292	248	1685	0.377	ng	95
22) Hexachlorobenzene	16.404	284	2268	0.392	ng	99
23) Atrazine	16.565	200	995	0.319	ng	99
24) Pentachlorophenol	16.739	266	743	0.287	ng	98
25) Phenanthrene	17.136	178	7963	0.381	ng	100
26) Anthracene	17.223	178	7060	0.370	ng	100
28) Fluoranthene	19.155	202	8723	0.362	ng	99
30) Pyrene	19.517	202	8536	0.386	ng	100
32) Benzo(a)anthracene	21.259	228	7045	0.366	ng	100
33) Chrysene	21.313	228	8149	0.407	ng	100
34) Bis(2-ethylhexyl)phtha...	21.214	149	2643	0.306	ng	97
36) Indeno(1,2,3-cd)pyrene	25.779	276	8002	0.373	ng	99
37) Benzo(b)fluoranthene	22.844	252	7085	0.362	ng	99
38) Benzo(k)fluoranthene	22.888	252	7678	0.380	ng	99
39) Benzo(a)pyrene	23.417	252	6249	0.383	ng	99
40) Dibenzo(a,h)anthracene	25.794	278	6362	0.366	ng	98
41) Benzo(g,h,i)perylene	26.463	276	6501	0.361	ng	98

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

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Misc :
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Instrument :
BNA_N
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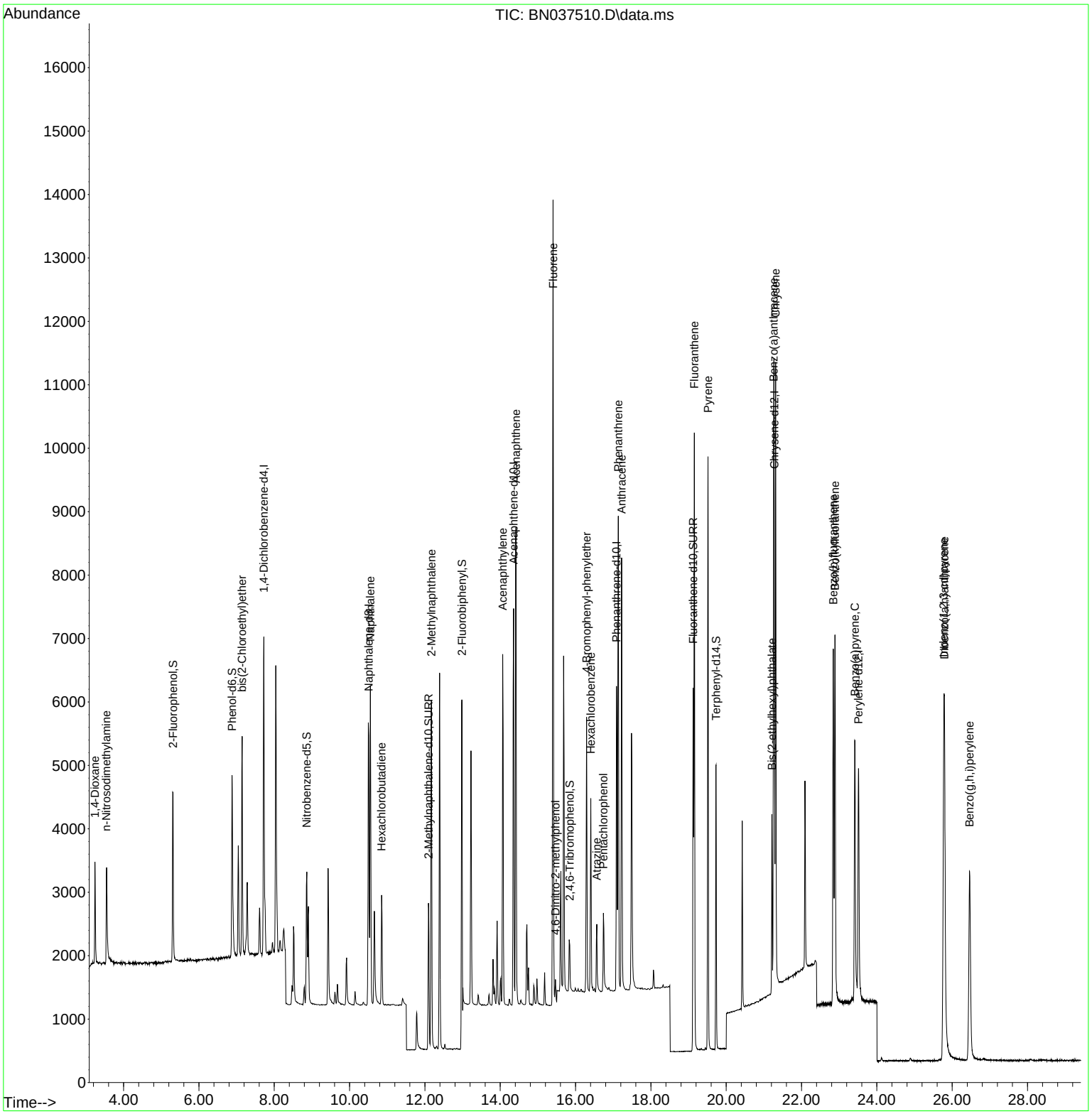
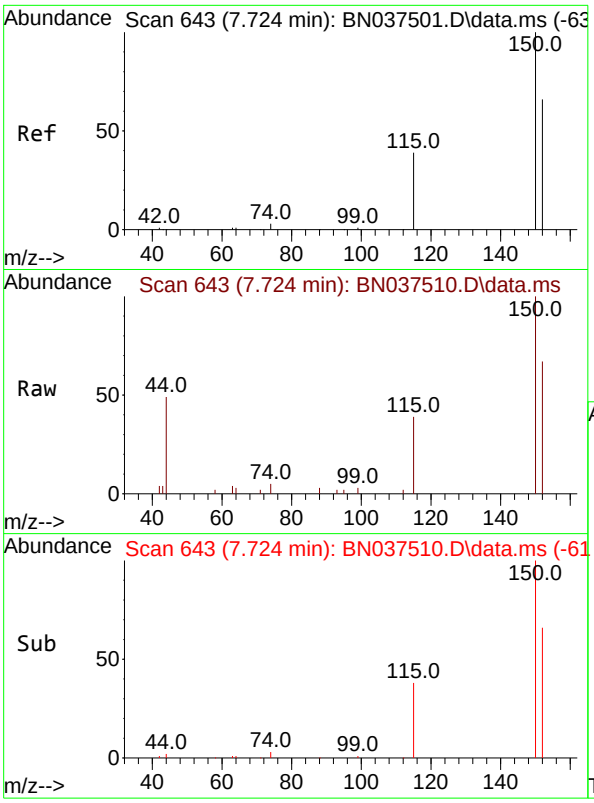
Quant Time: Jul 16 10:53:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 16 02:38:11 2025
Response via : Initial Calibration



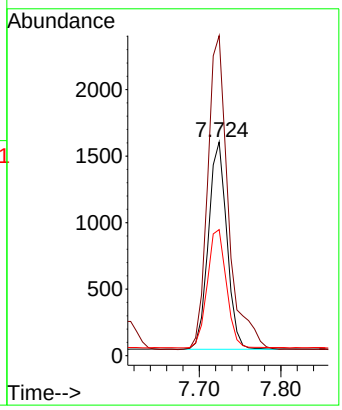


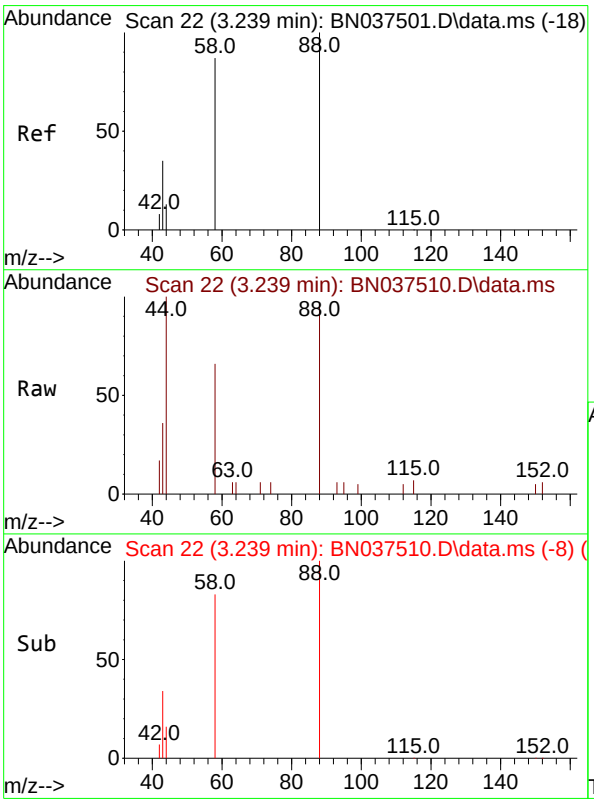
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2448

Ion	Ratio	Lower	Upper
152	100		
150	149.7	119.8	179.8
115	59.0	49.1	73.7

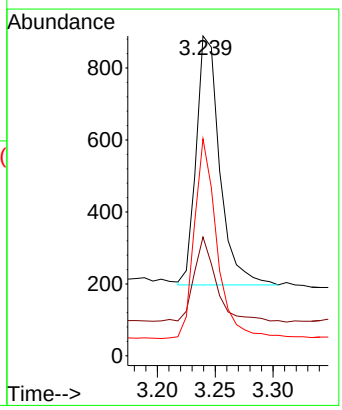


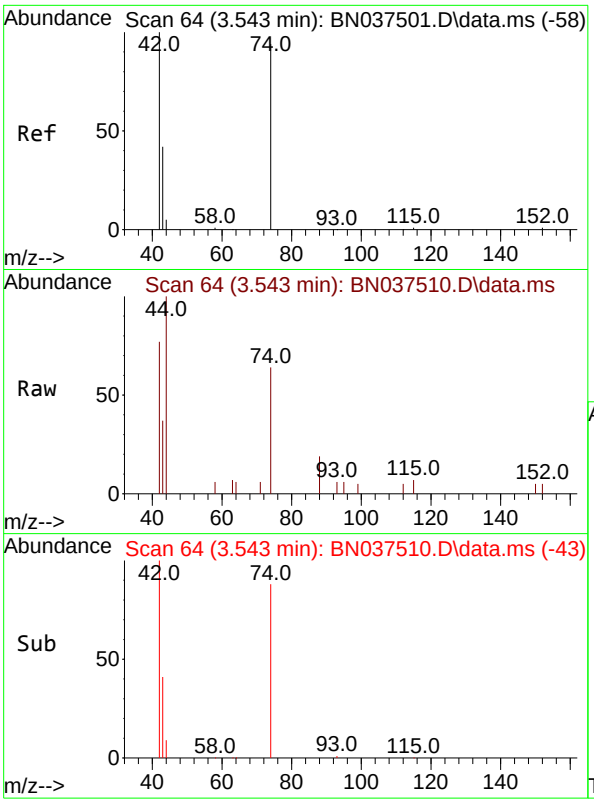


#2
1,4-Dioxane
Concen: 0.418 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion: 88 Resp: 983

Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.5	41.3
58	77.2	62.7	94.1



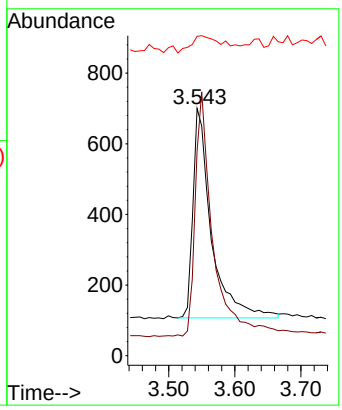


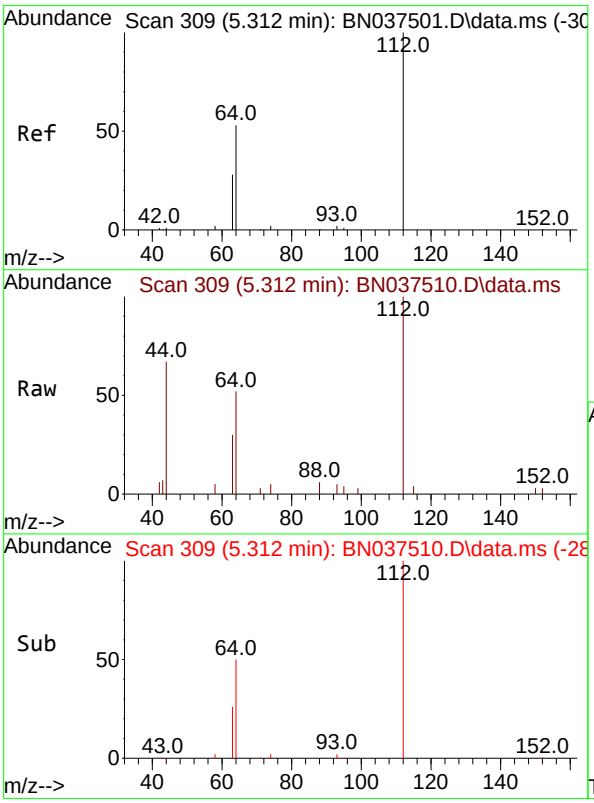
#3
n-Nitrosodimethylamine
Concen: 0.389 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1151

Ion	Ratio	Lower	Upper
42	100		
74	113.8	91.8	137.6
44	14.6	15.0	22.6#

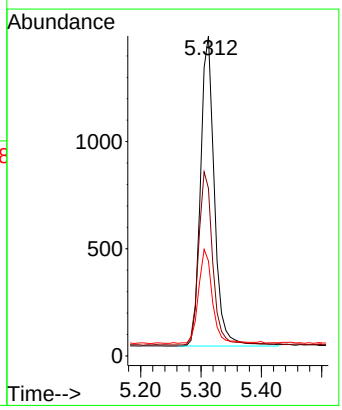


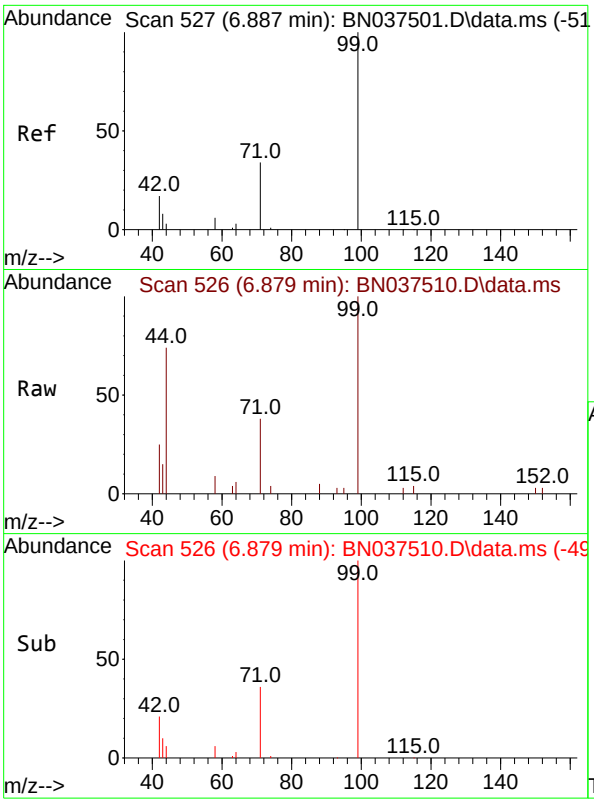


#4
2-Fluorophenol
Concen: 0.382 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:112 Resp: 2313

Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.1	67.7
63	29.7	23.8	35.8



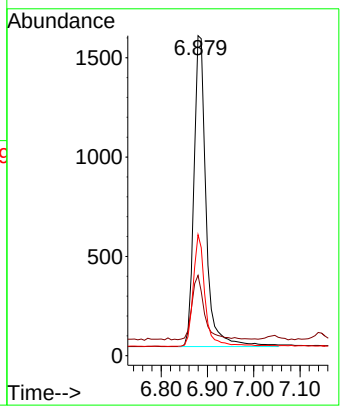


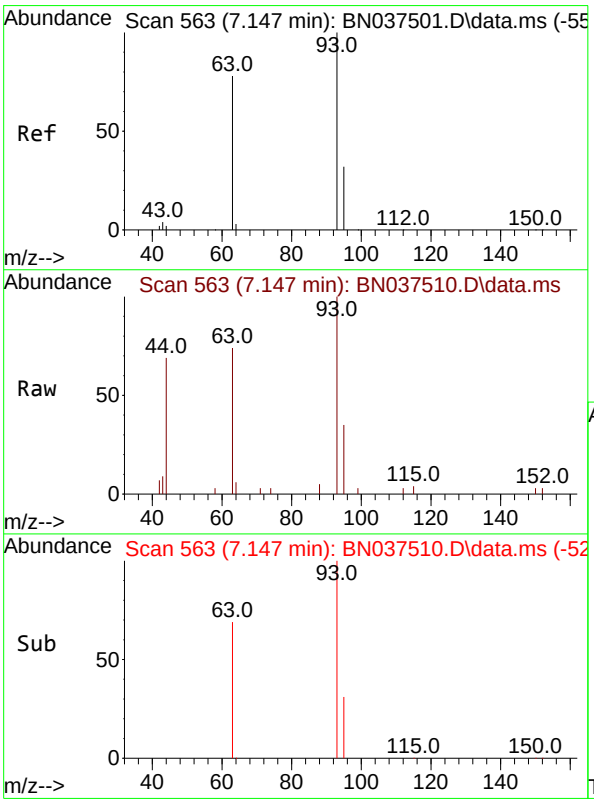
#5
Phenol-d6
Concen: 0.379 ng
RT: 6.879 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2880

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.1	25.7
71	34.9	27.8	41.8

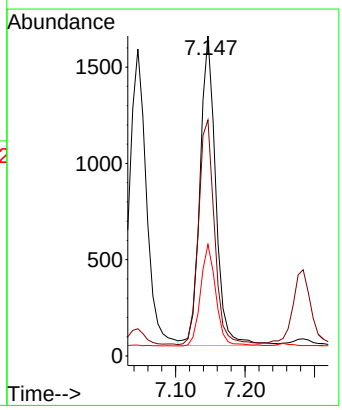


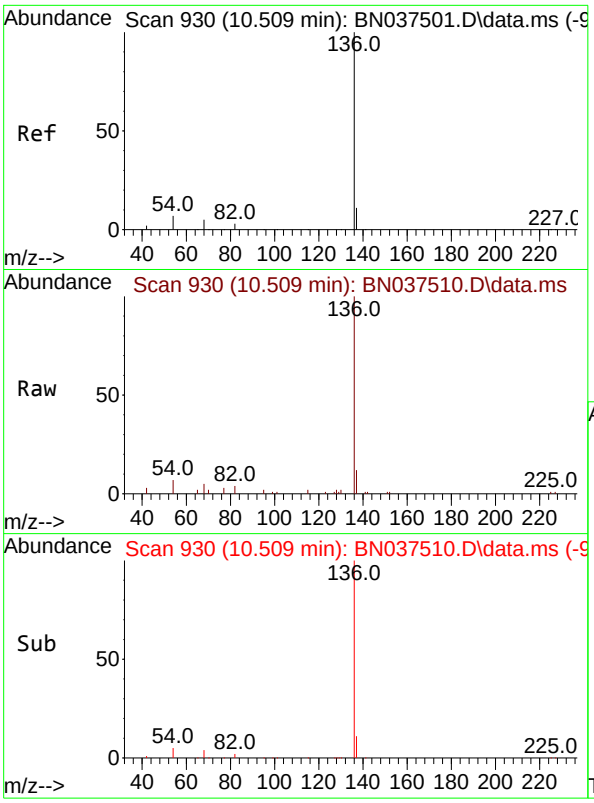


#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion: 93 Resp: 2538

Ion	Ratio	Lower	Upper
93	100		
63	73.8	58.2	87.4
95	31.6	25.3	37.9



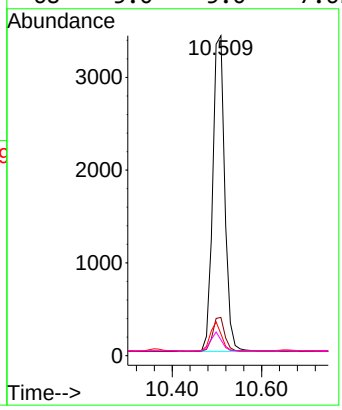


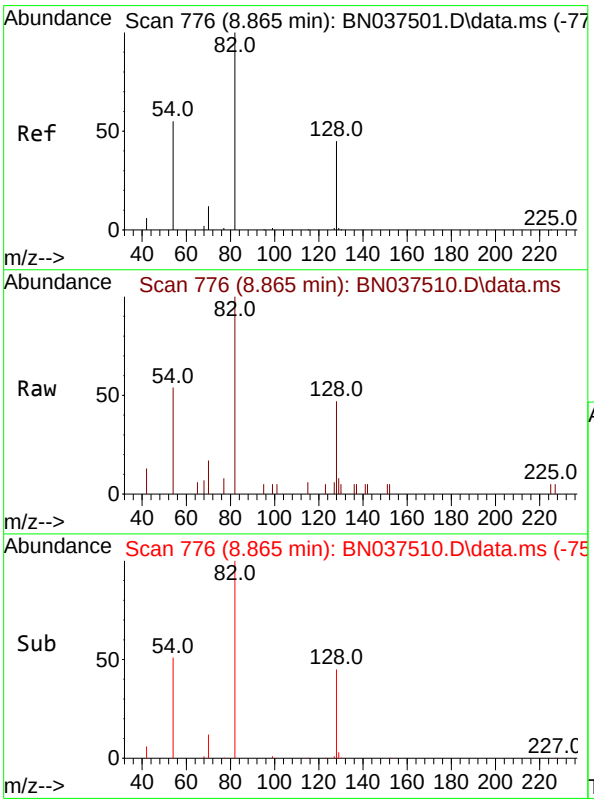
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6343

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	6.8	6.6	9.8
68	5.0	5.0	7.6#

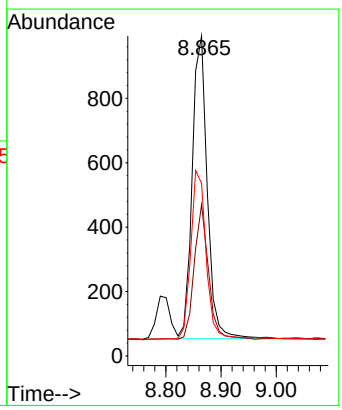


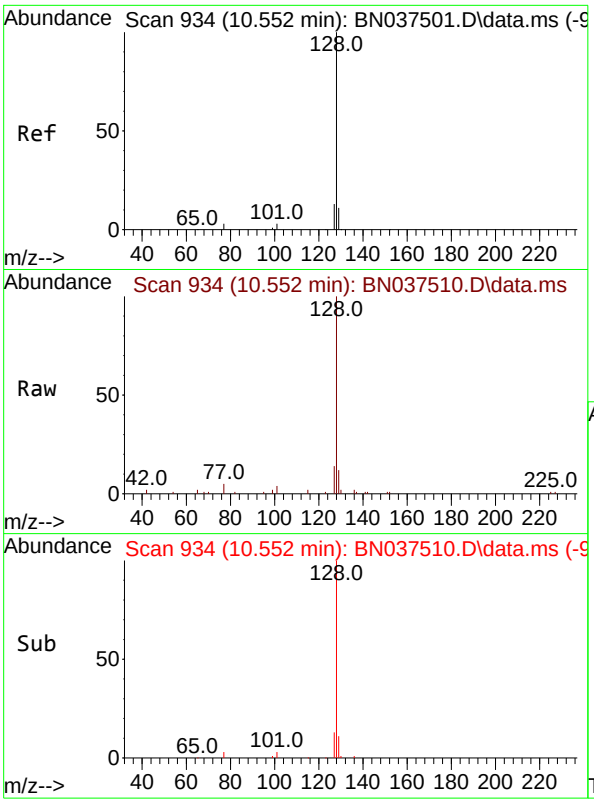


#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion: 82 Resp: 1781

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.5	56.3
54	53.9	45.3	67.9



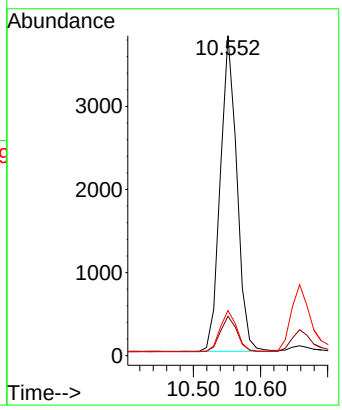


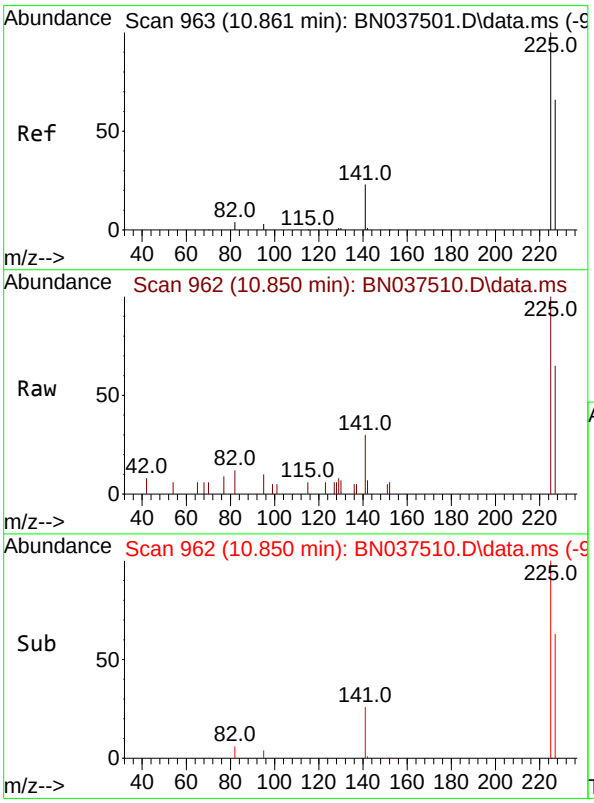
#9
Naphthalene
Concen: 0.386 ng
RT: 10.552 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 6526

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.7	14.5
127	14.1	11.5	17.3

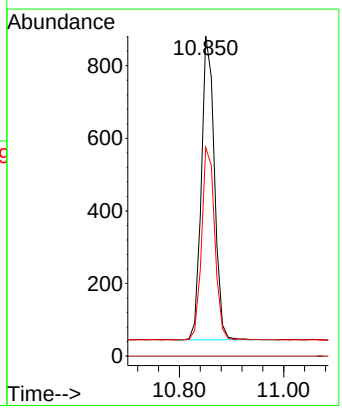


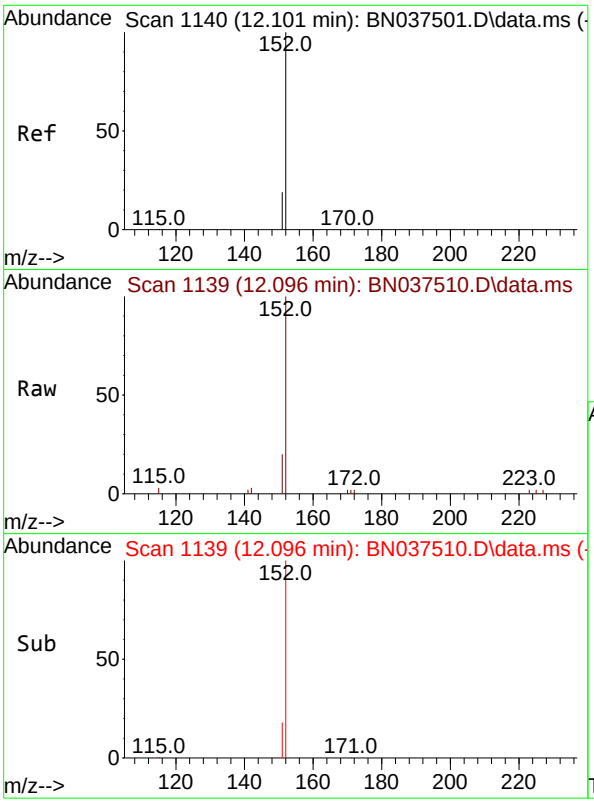


#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.850 min Scan# 962
Delta R.T. -0.011 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:225 Resp: 1454

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



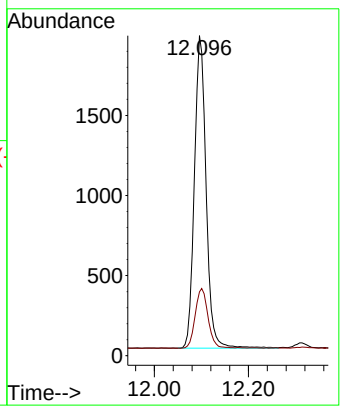


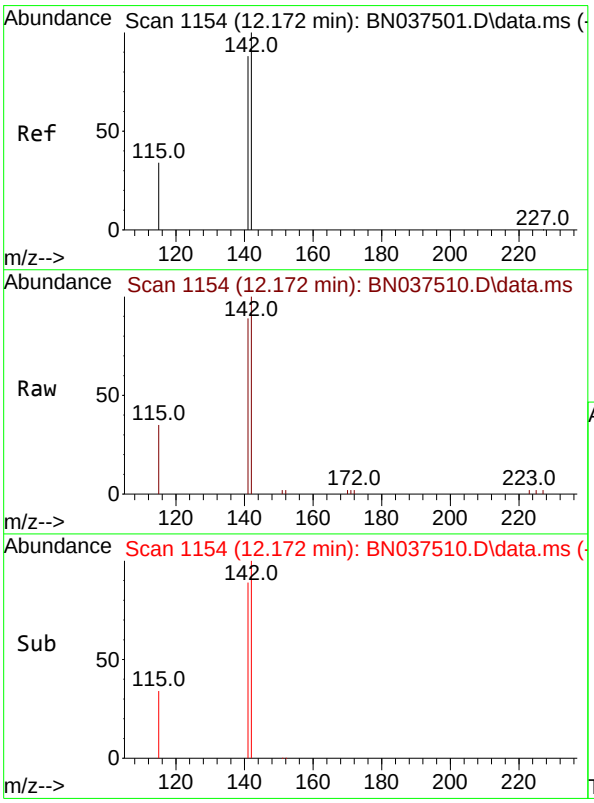
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.096 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3385

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2

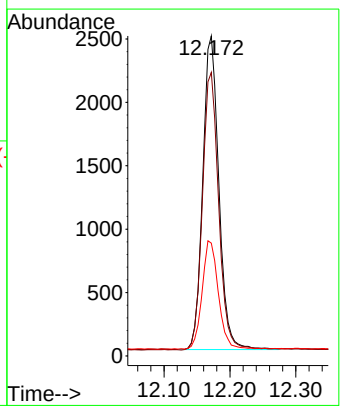


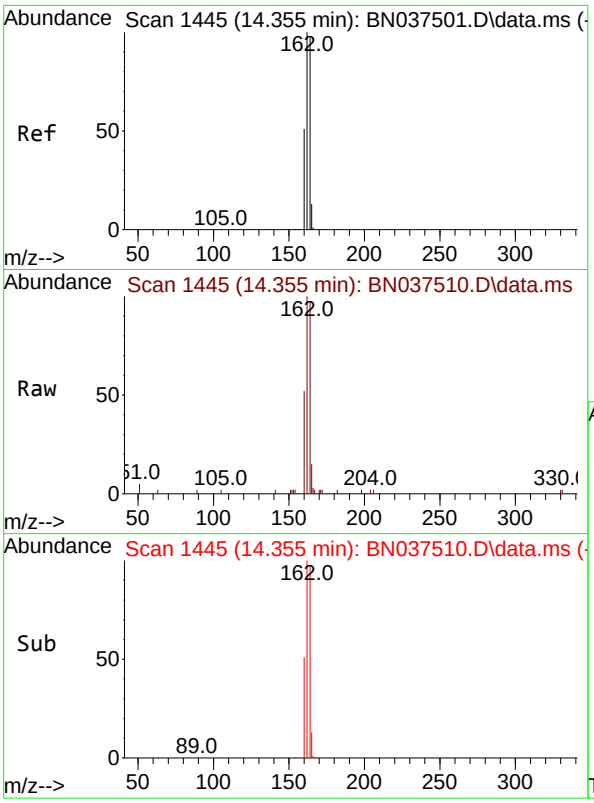


#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.172 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:142 Resp: 4180

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.4
115	35.2	29.0	43.4



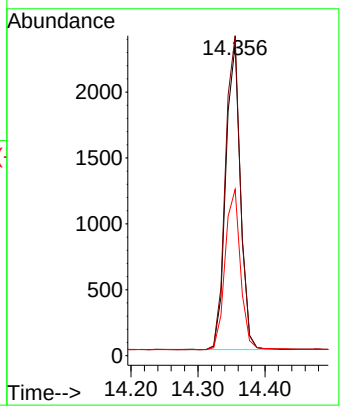


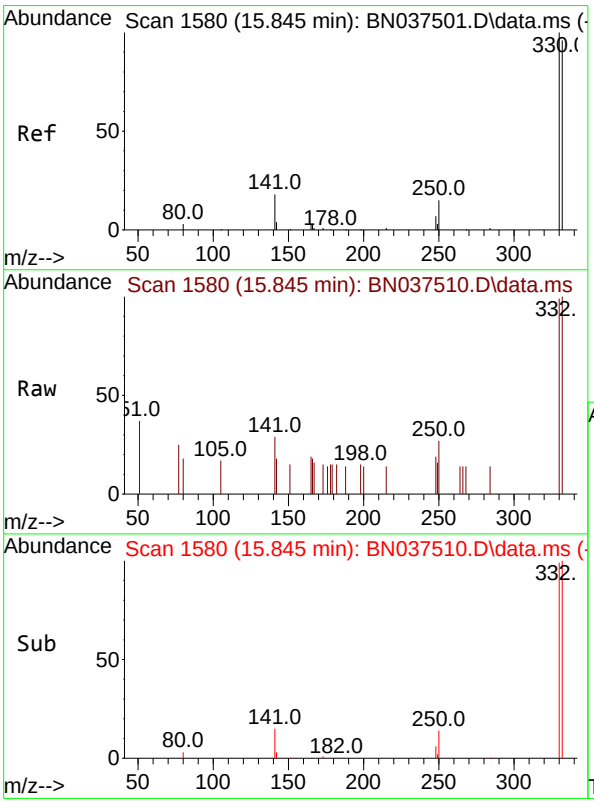
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3548

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.0	123.0
160	53.3	42.4	63.6

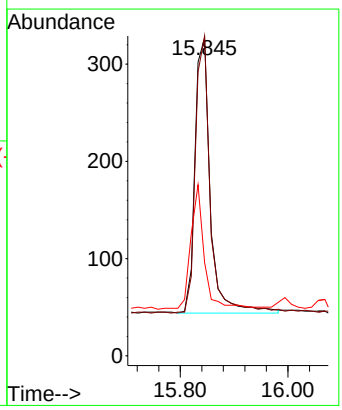


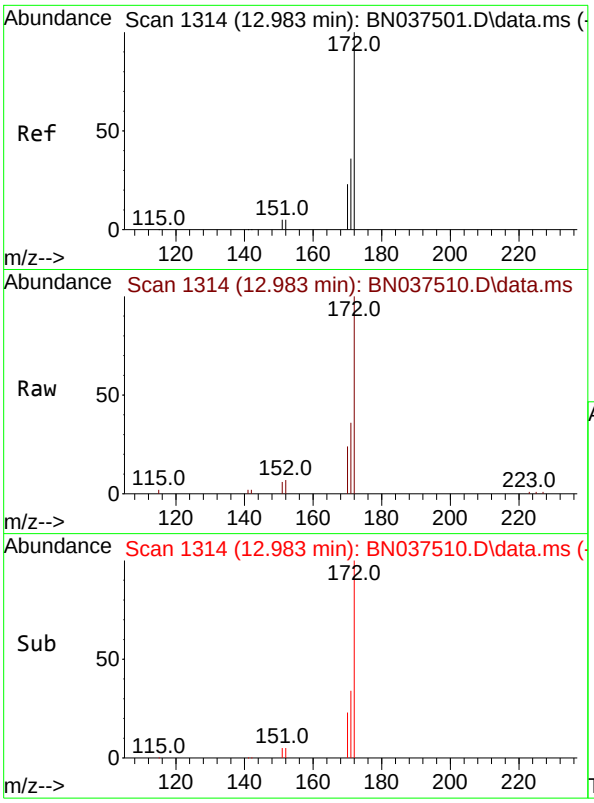


#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:330 Resp: 562

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.1	114.1
141	38.3	33.4	50.0



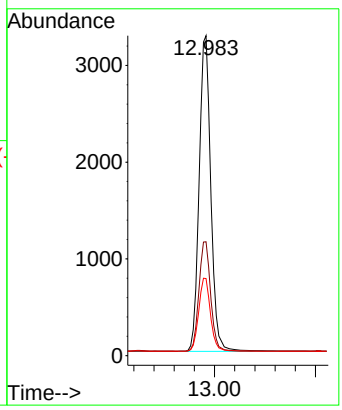


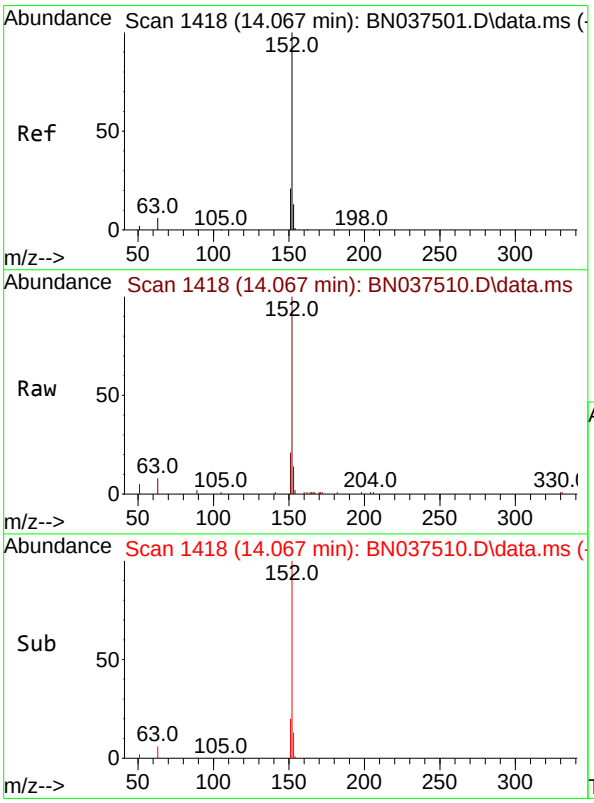
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7464

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.2
170	24.1	19.4	29.0

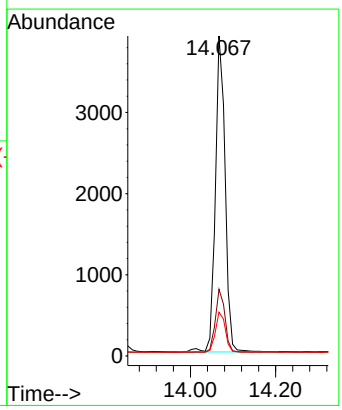


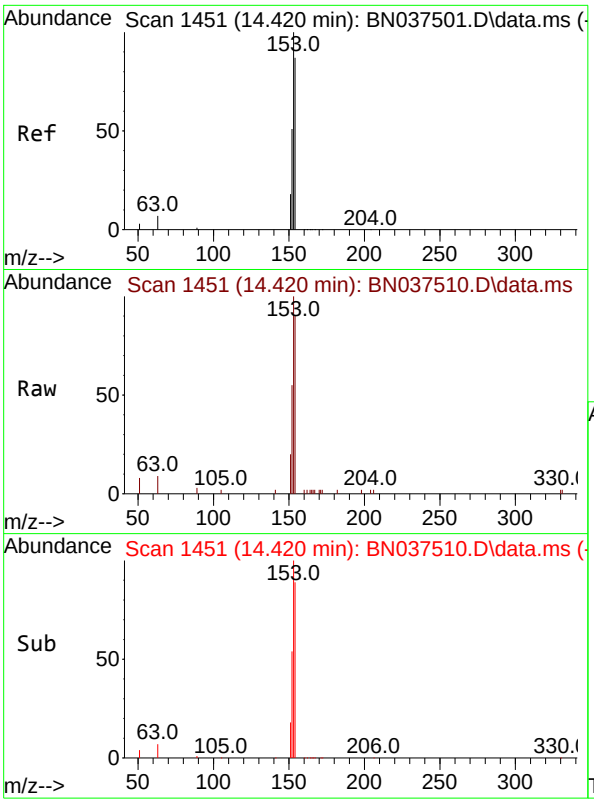


#16
Acenaphthylene
Concen: 0.389 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:152 Resp: 6187

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.7	10.7	16.1



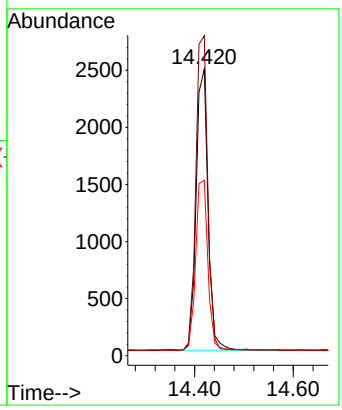


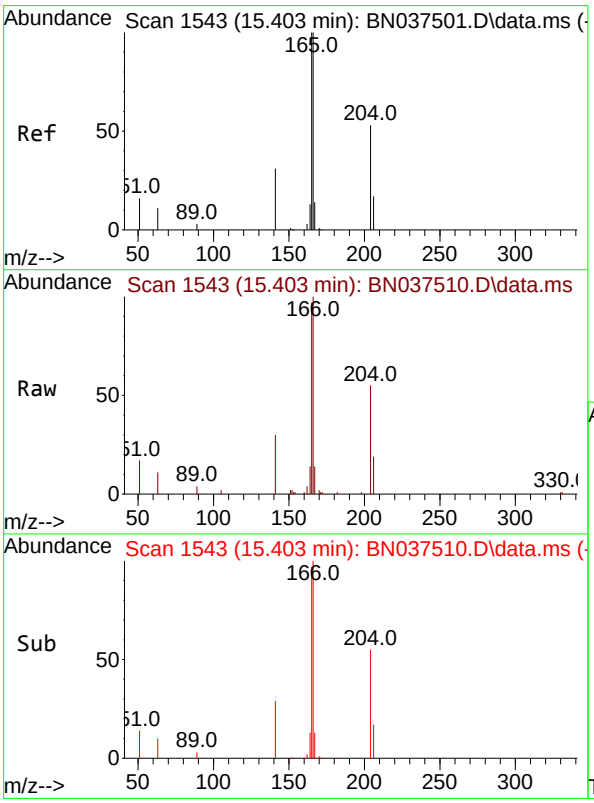
#17
Acenaphthene
Concen: 0.380 ng
RT: 14.420 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4110

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.2	133.8
152	61.8	48.0	72.0

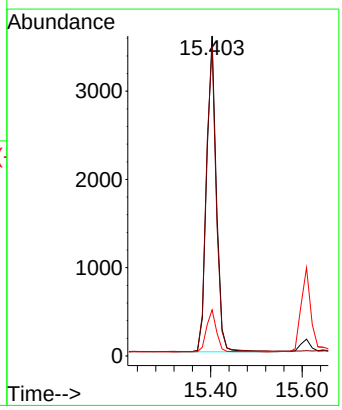


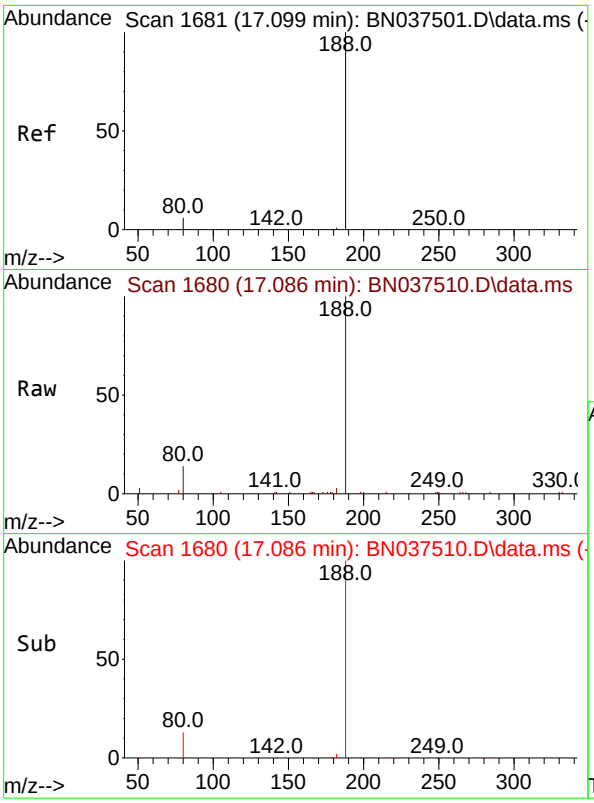


#18
Fluorene
Concen: 0.388 ng
RT: 15.403 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:166 Resp: 5393

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.1	117.1
167	13.4	11.0	16.6



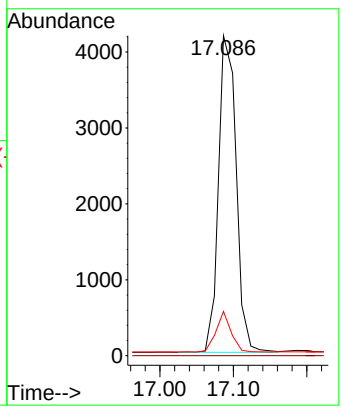


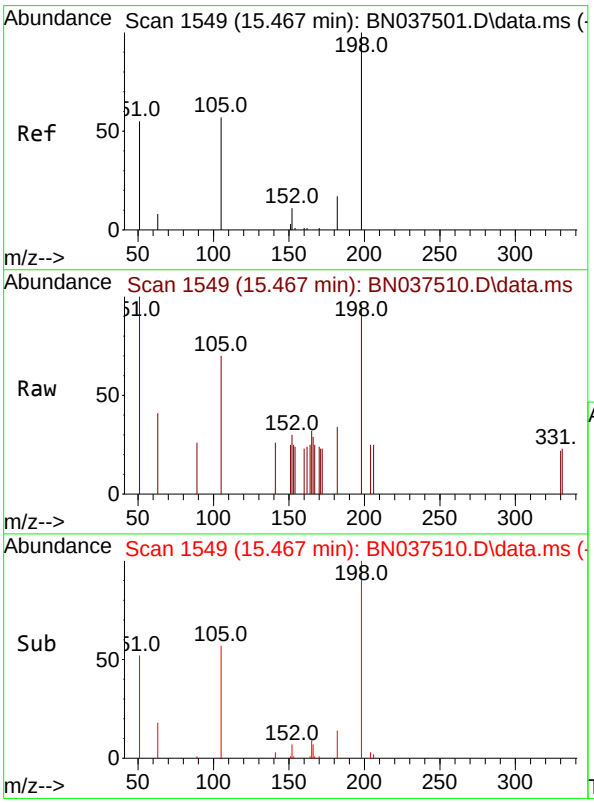
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6984

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	6.0	9.0#

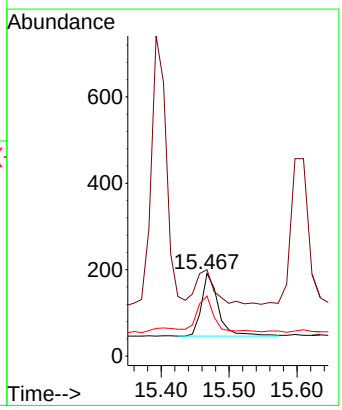


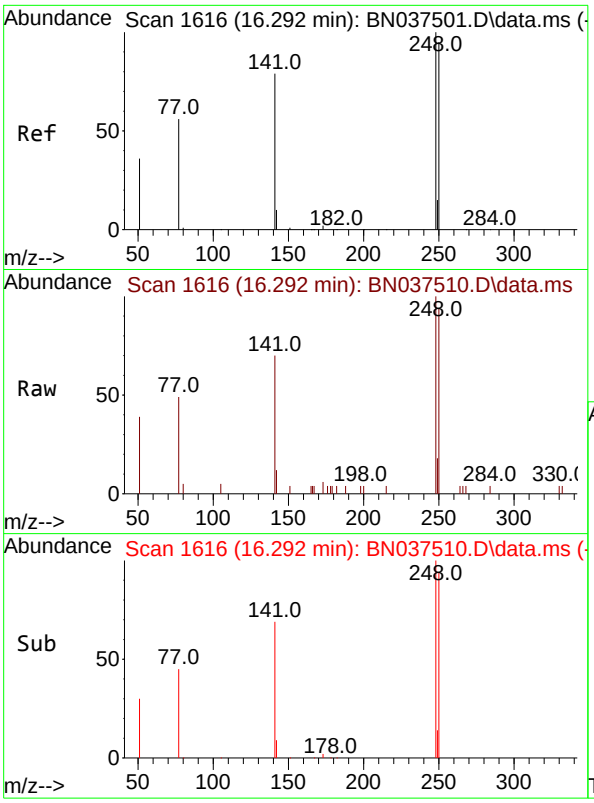


#20
4,6-Dinitro-2-methylphenol
Concen: 0.371 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:198 Resp: 265

Ion	Ratio	Lower	Upper
198	100		
51	104.7	88.5	132.7
105	72.8	61.2	91.8



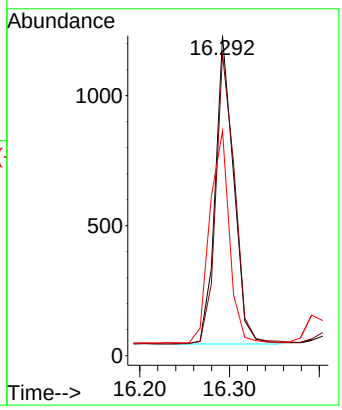


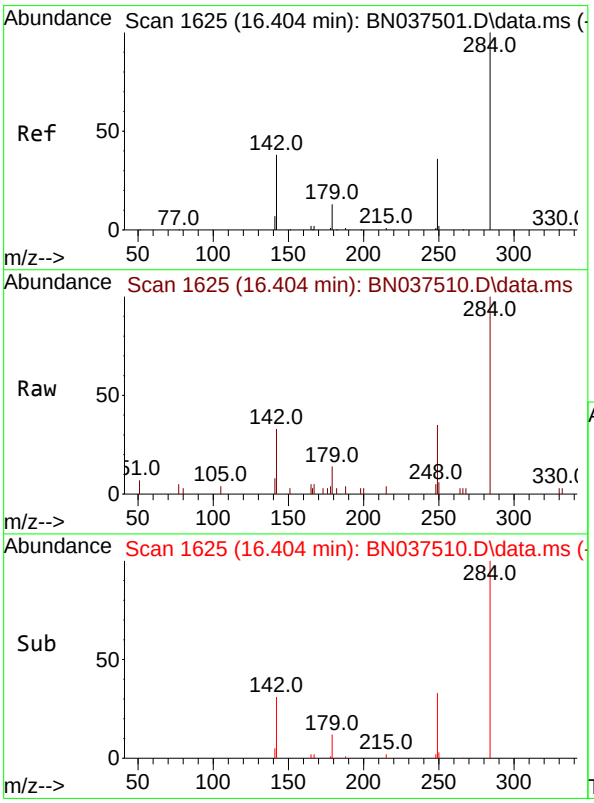
#21
4-Bromophenyl-phenylether
Concen: 0.377 ng
RT: 16.292 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1685

Ion	Ratio	Lower	Upper
248	100		
250	94.5	76.2	114.2
141	70.3	63.9	95.9

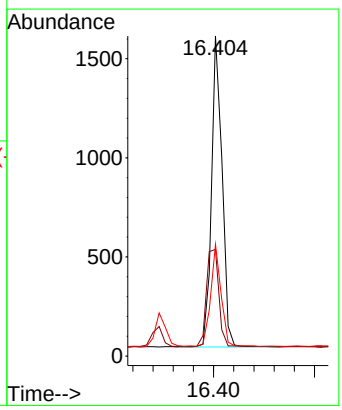


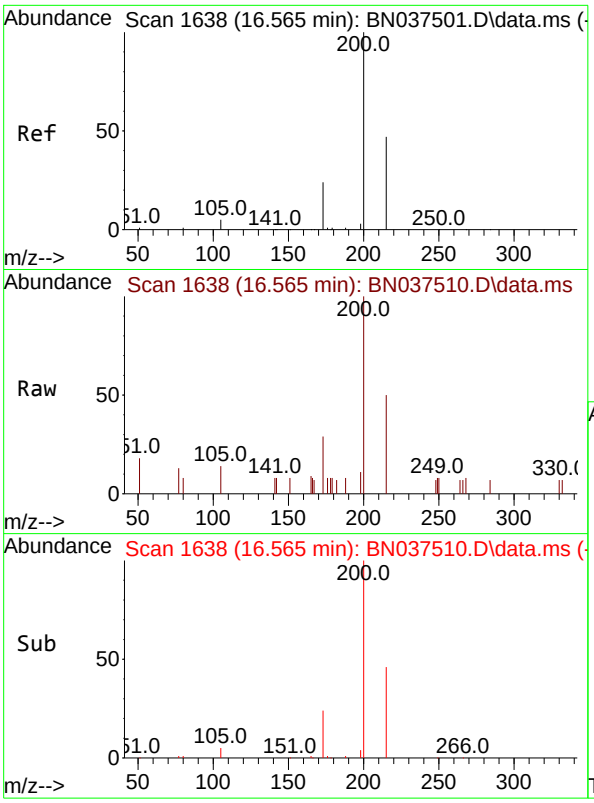


#22
Hexachlorobenzene
Concen: 0.392 ng
RT: 16.404 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:284 Resp: 2268

Ion	Ratio	Lower	Upper
284	100		
142	37.1	28.9	43.3
249	32.5	25.8	38.6



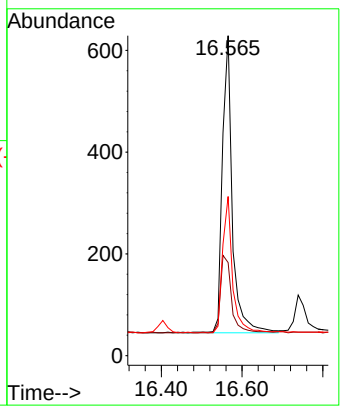


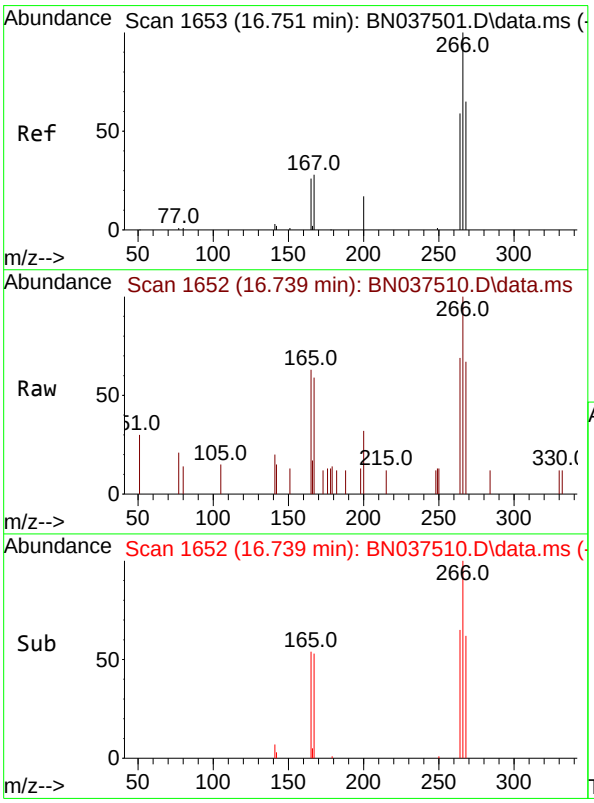
#23
Atrazine
Concen: 0.319 ng
RT: 16.565 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 995

Ion	Ratio	Lower	Upper
200	100		
173	29.1	23.2	34.8
215	49.8	40.2	60.4

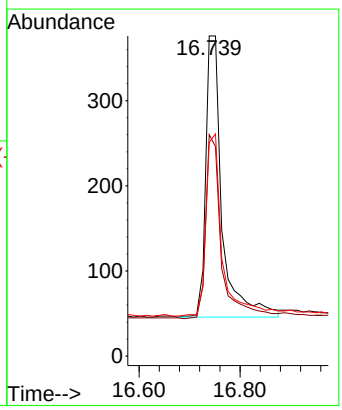


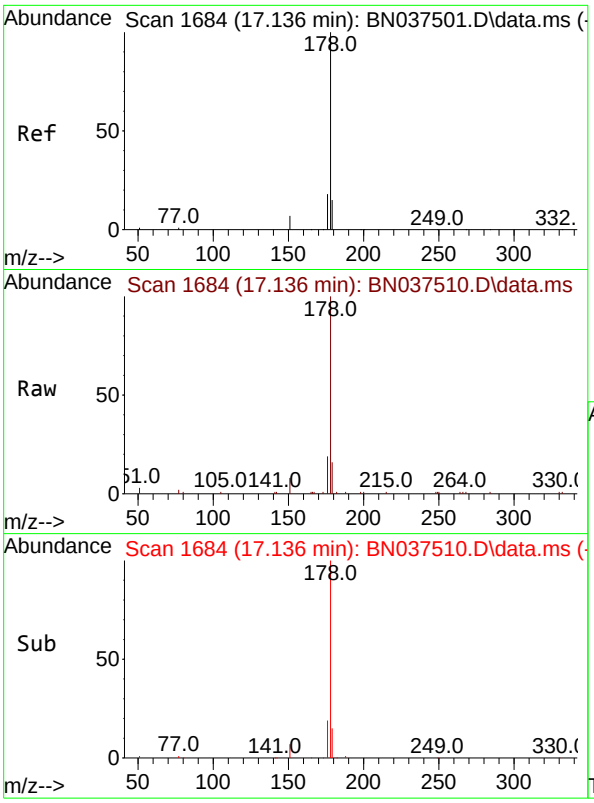


#24
Pentachlorophenol
Concen: 0.287 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:266 Resp: 743

Ion	Ratio	Lower	Upper
266	100		
264	64.1	49.3	73.9
268	64.9	51.6	77.4



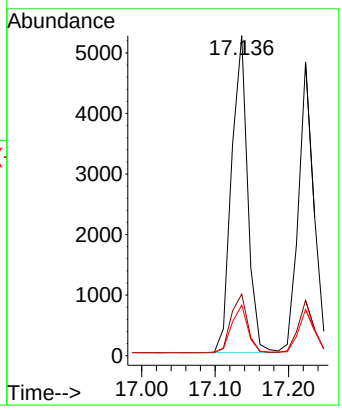


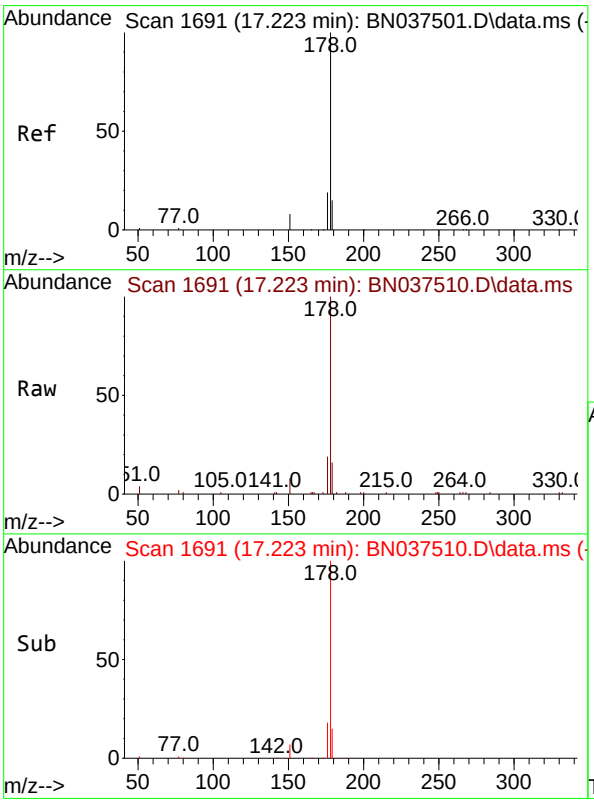
#25
Phenanthrene
Concen: 0.381 ng
RT: 17.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 7963

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.3	12.2	18.2

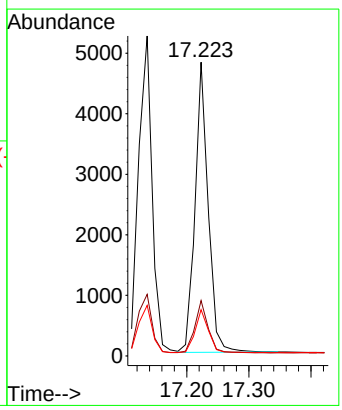


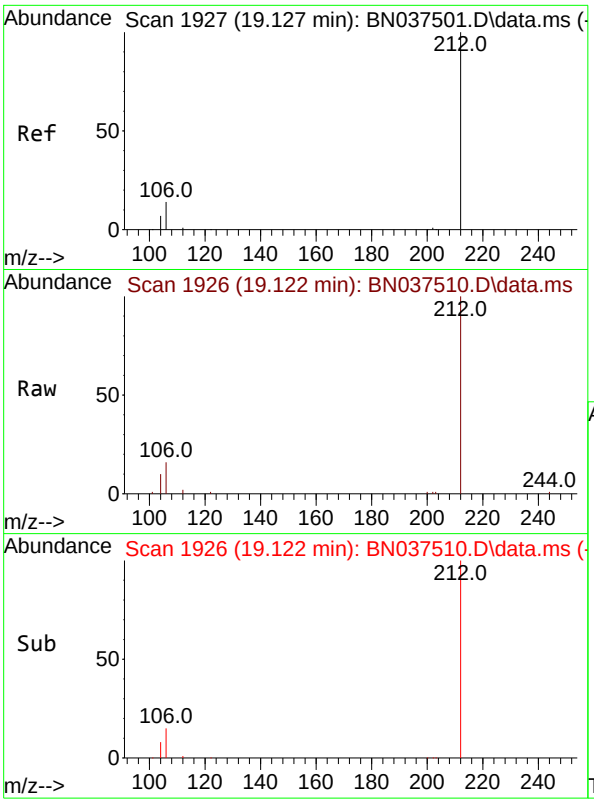


#26
Anthracene
Concen: 0.370 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:178 Resp: 7060

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



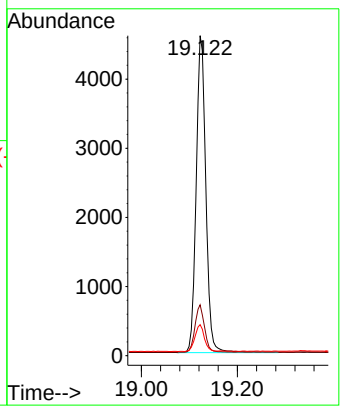


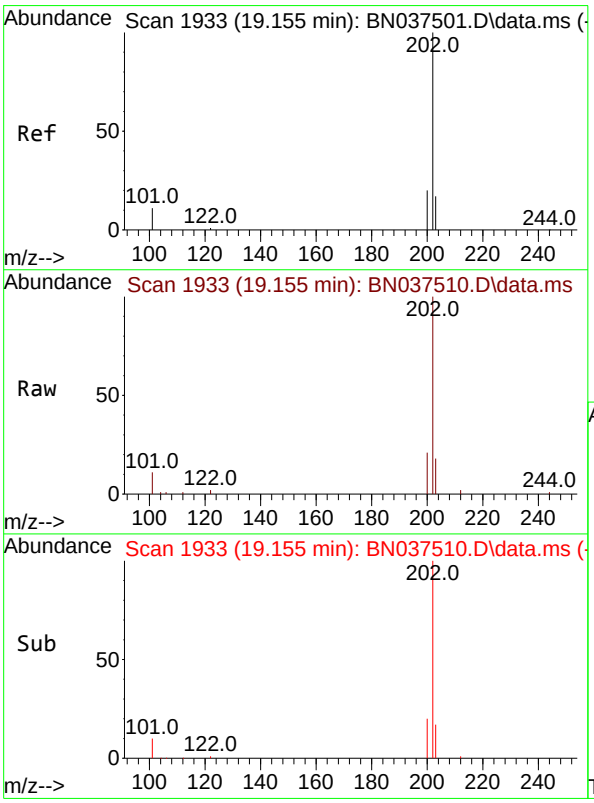
#27
Fluoranthene-d10
Concen: 0.348 ng
RT: 19.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 6430

Ion	Ratio	Lower	Upper
212	100		
106	14.7	12.2	18.4
104	8.2	6.7	10.1

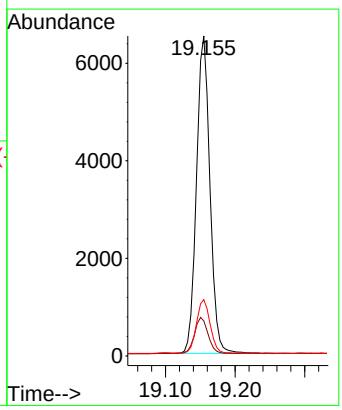


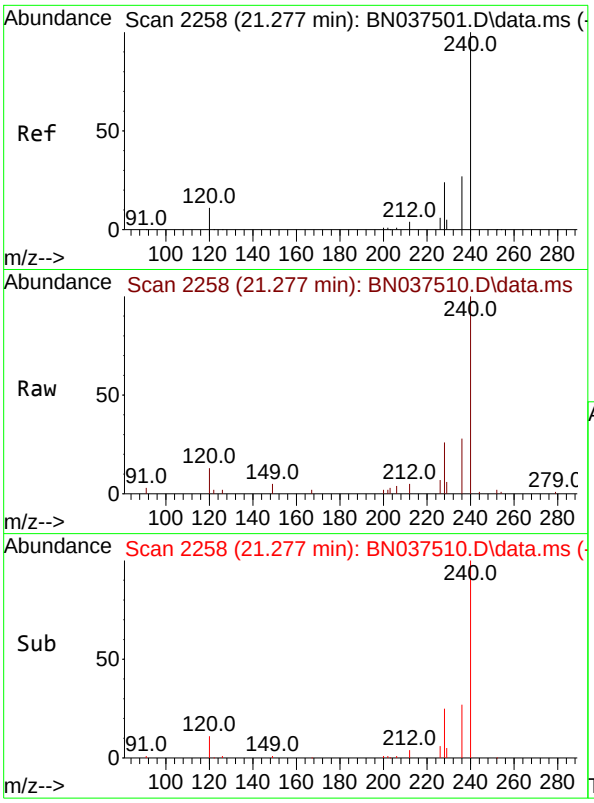


#28
Fluoranthene
Concen: 0.362 ng
RT: 19.155 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:202 Resp: 8723

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.8	14.6
203	17.0	13.6	20.4



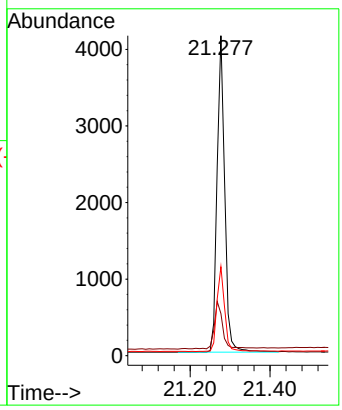


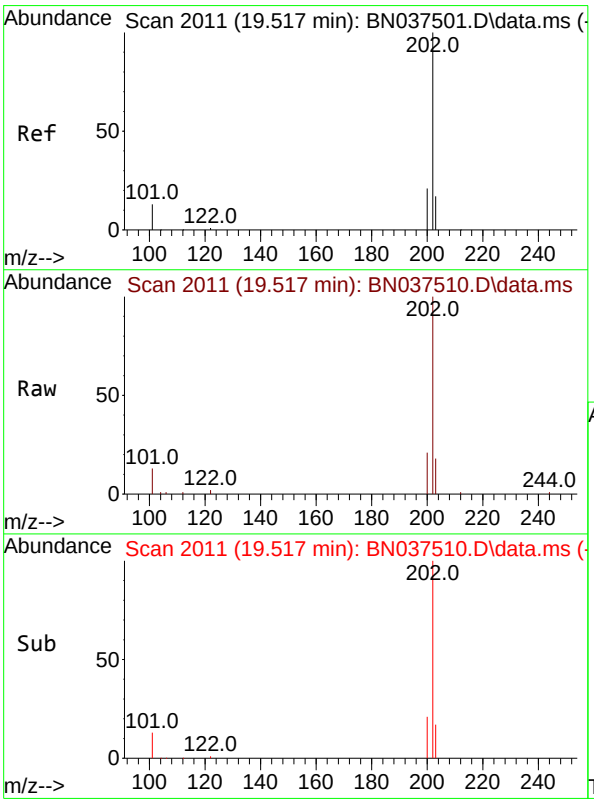
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5489

Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.7	16.1
236	27.8	22.6	33.8

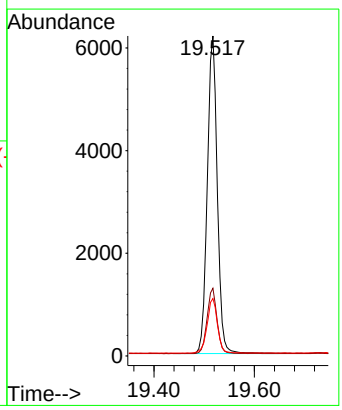


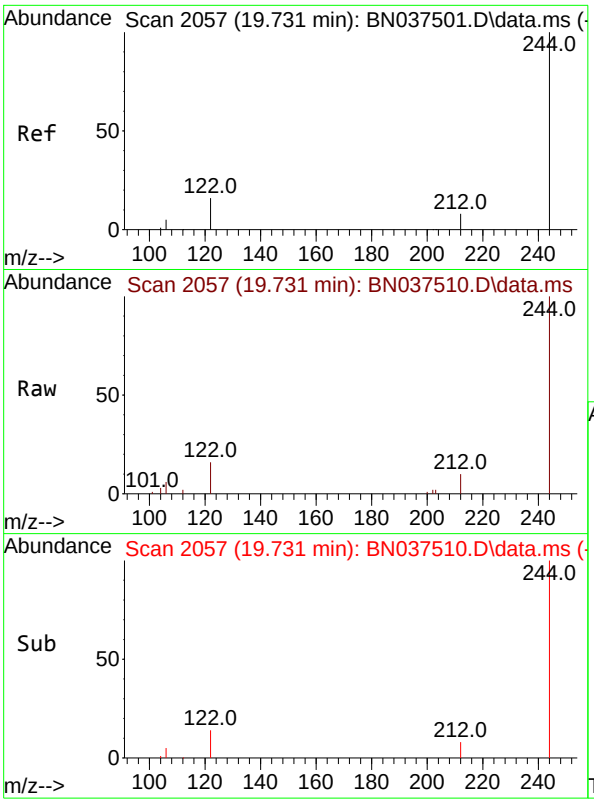


#30
Pyrene
Concen: 0.386 ng
RT: 19.517 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:202 Resp: 8536

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	17.8	14.3	21.5



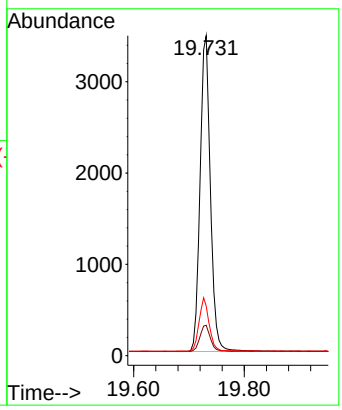


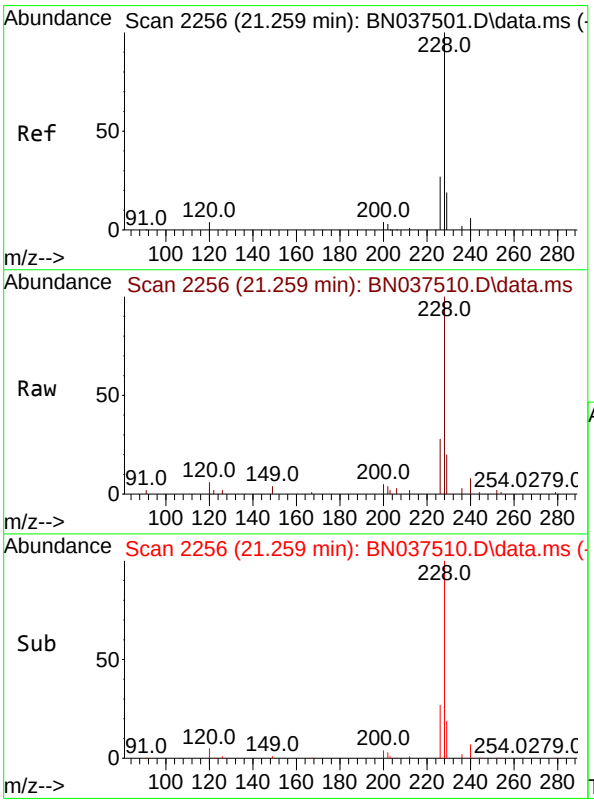
#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.731 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 4490

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.4	11.2
122	15.5	13.6	20.4

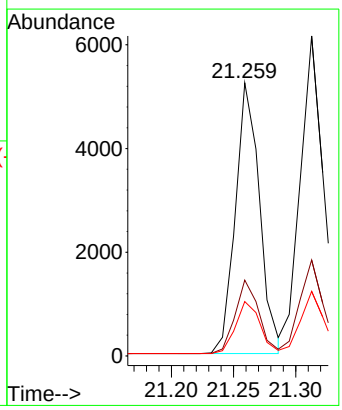


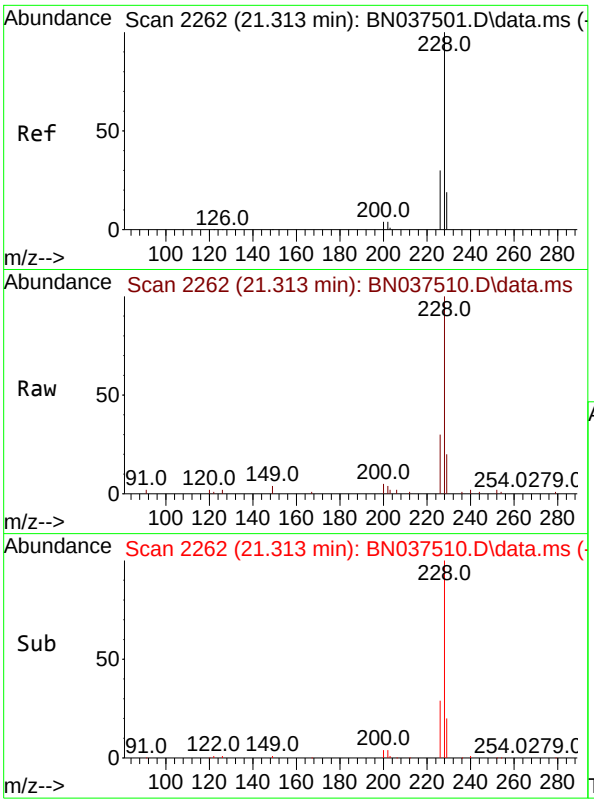


#32
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:228 Resp: 7045

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	19.9	15.8	23.8



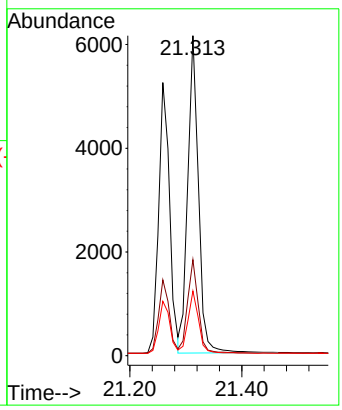


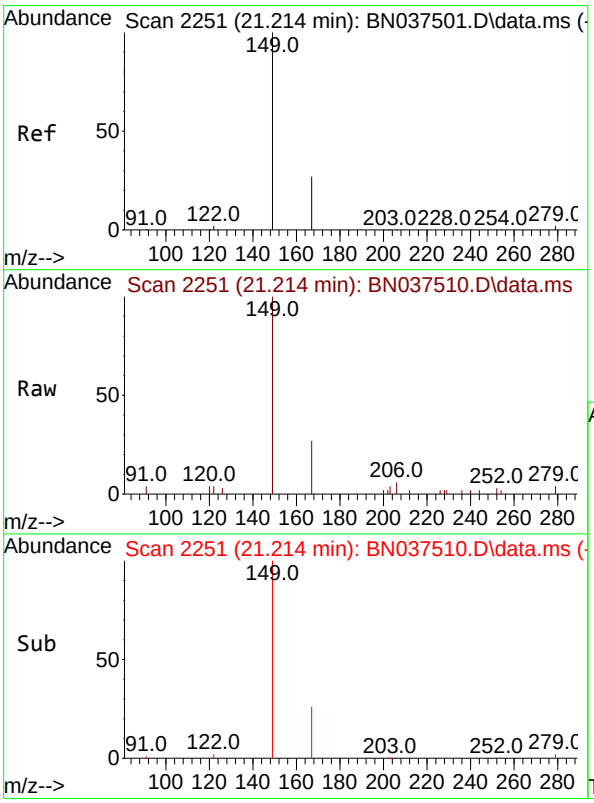
#33
Chrysene
Concen: 0.407 ng
RT: 21.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 8149

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.4
229	20.2	16.1	24.1

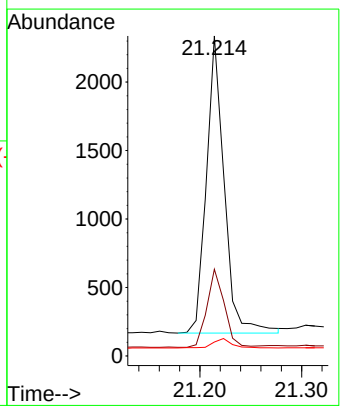


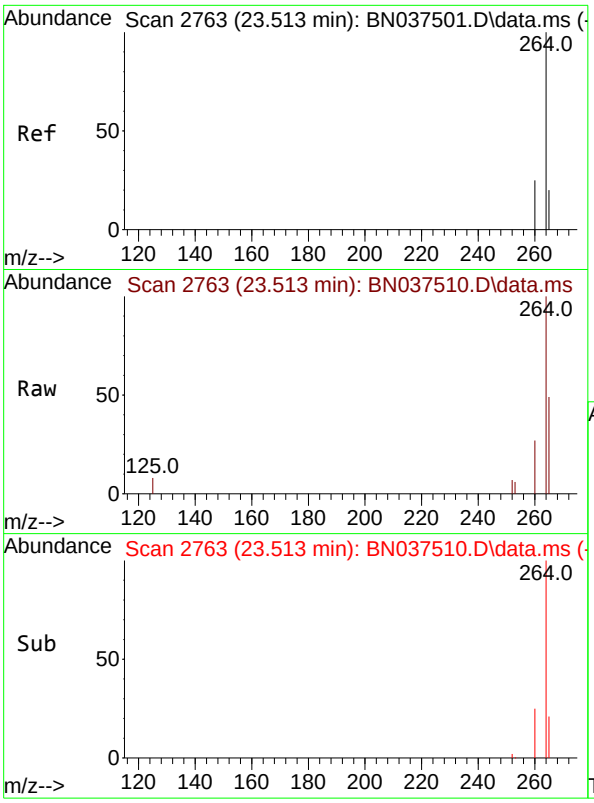


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.306 ng
RT: 21.214 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:149 Resp: 2643

Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.8	32.8
279	3.4	3.0	4.4



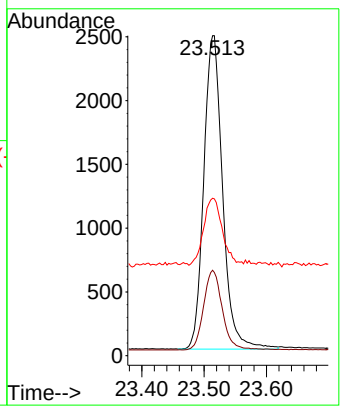


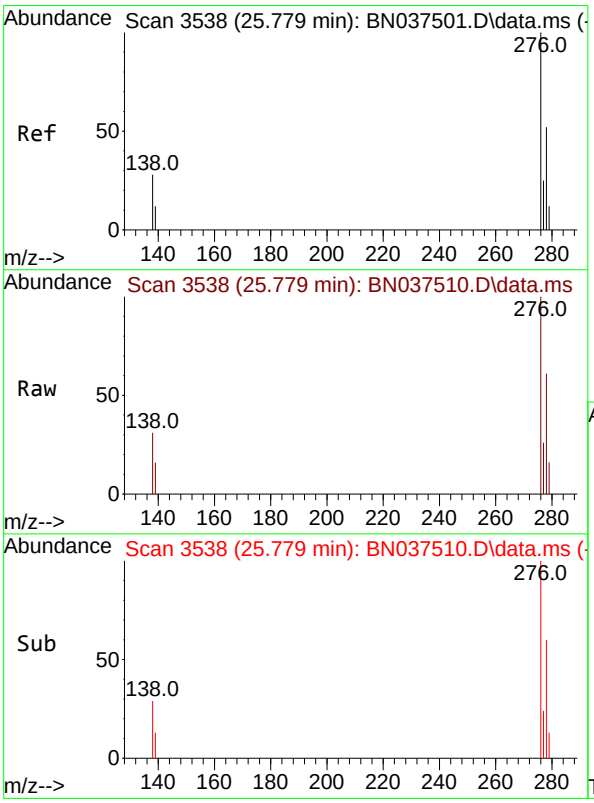
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 5154

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.2	31.8
265	49.2	40.4	60.6

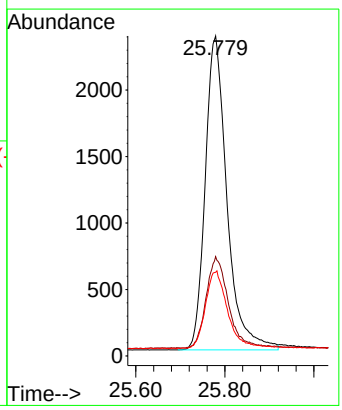


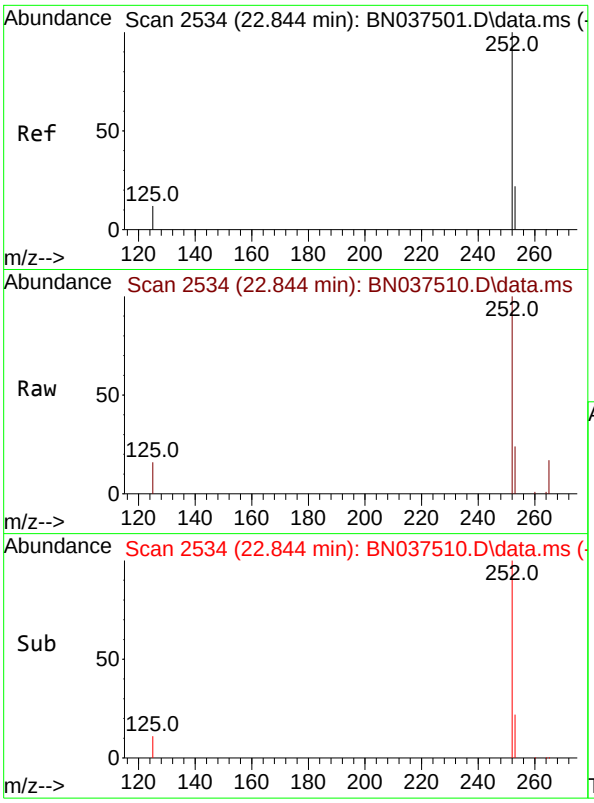


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 25.779 min Scan# 3538
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:276 Resp: 8002

Ion	Ratio	Lower	Upper
276	100		
138	29.5	24.0	36.0
277	25.1	20.5	30.7



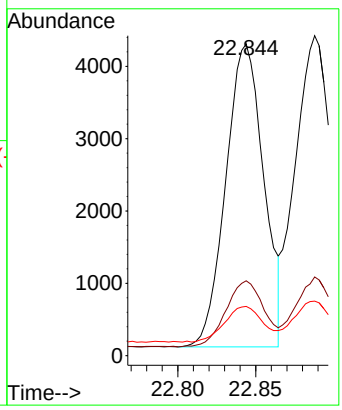


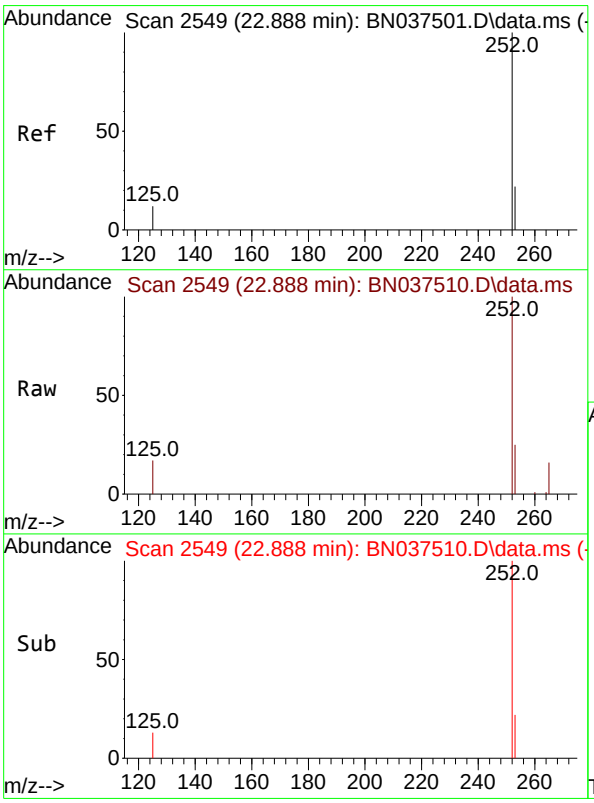
#37
Benzo(b)fluoranthene
Concen: 0.362 ng
RT: 22.844 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7085

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.5	29.3
125	15.8	13.0	19.6

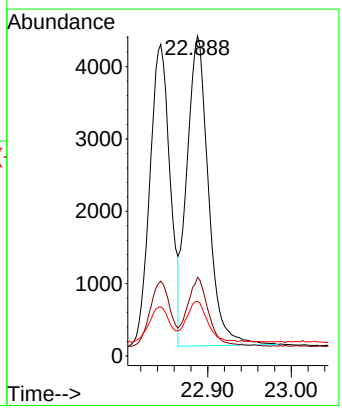


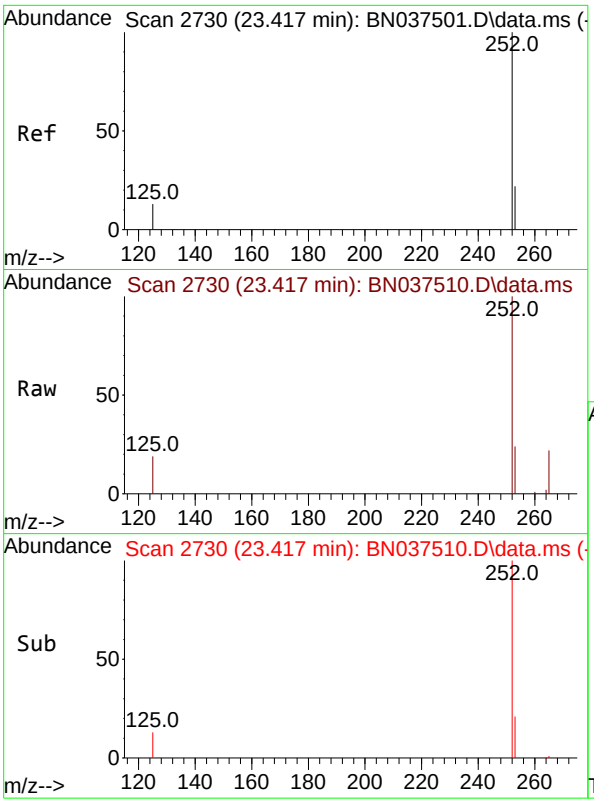


#38
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 22.888 min Scan# 2549
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:252 Resp: 7678

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.5	29.3
125	17.1	13.1	19.7



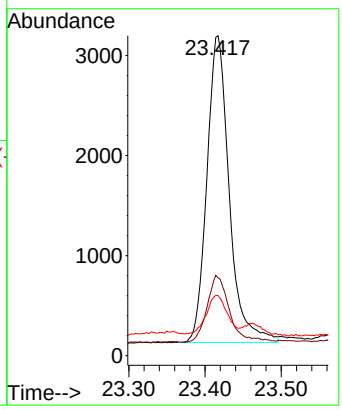


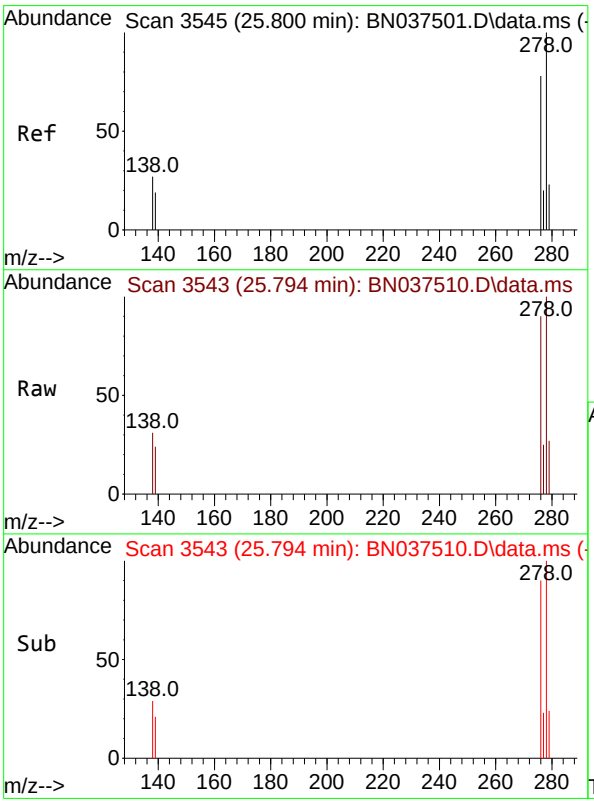
#39
Benzo(a)pyrene
Concen: 0.383 ng
RT: 23.417 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6249

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.9	29.9
125	18.8	15.2	22.8

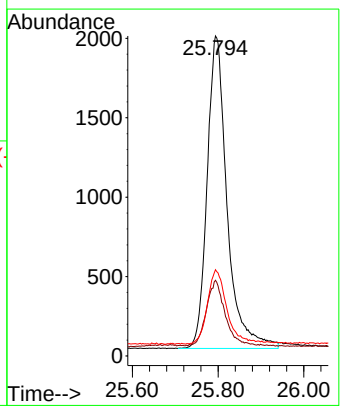


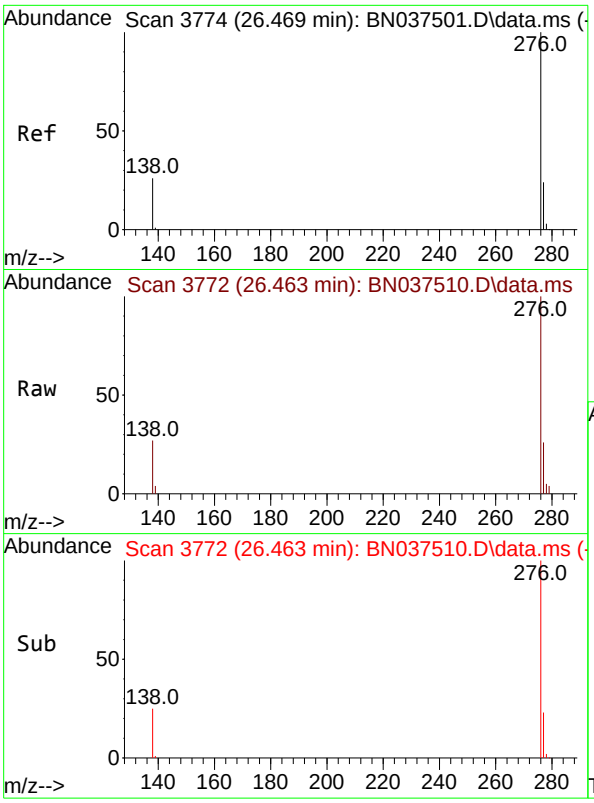


#40
Dibenzo(a,h)anthracene
Concen: 0.366 ng
RT: 25.794 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Tgt Ion:278 Resp: 6362

Ion	Ratio	Lower	Upper
278	100		
139	23.7	17.5	26.3
279	26.9	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 0.361 ng
RT: 26.463 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN037510.D
Acq: 16 Jul 2025 09:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 6501

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.9	31.3
138	27.0	22.6	33.8