Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037186.D
Acq On : 05 Jun 2025 18:46
Operator : RC/JU
Sample : PB168286BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Quant Time: Jun 06 02:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1756	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4279	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2046	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	3397	0.400	ng	0.00
29) Chrysene-d12	21.180	240	1984	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	1936	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1553	0.358	ng	0.00
5) Phenol-d6	6.773	99	1809	0.344	ng	0.00
8) Nitrobenzene-d5	8.739	82	1607	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	3213	0.539	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	258	0.313	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3337	0.383	ng	0.00
27) Fluoranthene-d10	19.026	212	2720	0.315	ng	0.00
31) Terphenyl-d14	19.635	244	1751	0.375	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	929	0.397	ng	# 27
3) n-Nitrosodimethylamine	3.429	42	1855	0.395	ng	# 88
6) bis(2-Chloroethyl)ether	7.026	93	1686	0.336	ng	98
9) Naphthalene	10.415	128	4291	0.348	ng	99
10) Hexachlorobutadiene	10.714	225	1009	0.375	ng	# 99
12) 2-Methylnaphthalene	12.042	142	2412	0.305	ng	99
16) Acenaphthylene	13.957	152	3960	0.395	ng	99
17) Acenaphthene	14.299	154	2357	0.362	ng	99
18) Fluorene	15.293	166	2967	0.347	ng	99
20) 4,6-Dinitro-2-methylph...	15.389	198	285	0.561	ng	# 63
21) 4-Bromophenyl-phenylether	16.189	248	859	0.386	ng	98
22) Hexachlorobenzene	16.301	284	936	0.390	ng	99
23) Atrazine	16.463	200	696	0.379	ng	99
24) Pentachlorophenol	16.649	266	468	0.540	ng	97
25) Phenanthrene	17.034	178	4052	0.368	ng	100
26) Anthracene	17.120	178	3680	0.366	ng	99
28) Fluoranthene	19.054	202	3726	0.306	ng	99
30) Pyrene	19.416	202	3699	0.382	ng	99
32) Benzo(a)anthracene	21.171	228	2740	0.382	ng	98
33) Chrysene	21.216	228	3010	0.376	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	1639	0.362	ng	100
36) Indeno(1,2,3-cd)pyrene	25.570	276	3418	0.444	ng	97
37) Benzo(b)fluoranthene	22.722	252	2739	0.350	ng	93
38) Benzo(k)fluoranthene	22.766	252	2964	0.371	ng	93
39) Benzo(a)pyrene	23.284	252	2606	0.398	ng	94
40) Dibenzo(a,h)anthracene	25.591	278	2579	0.434	ng	94
41) Benzo(g,h,i)perylene	26.243	276	2922	0.428	ng	97

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

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Instrument :
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Quant Time: Jun 06 02:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
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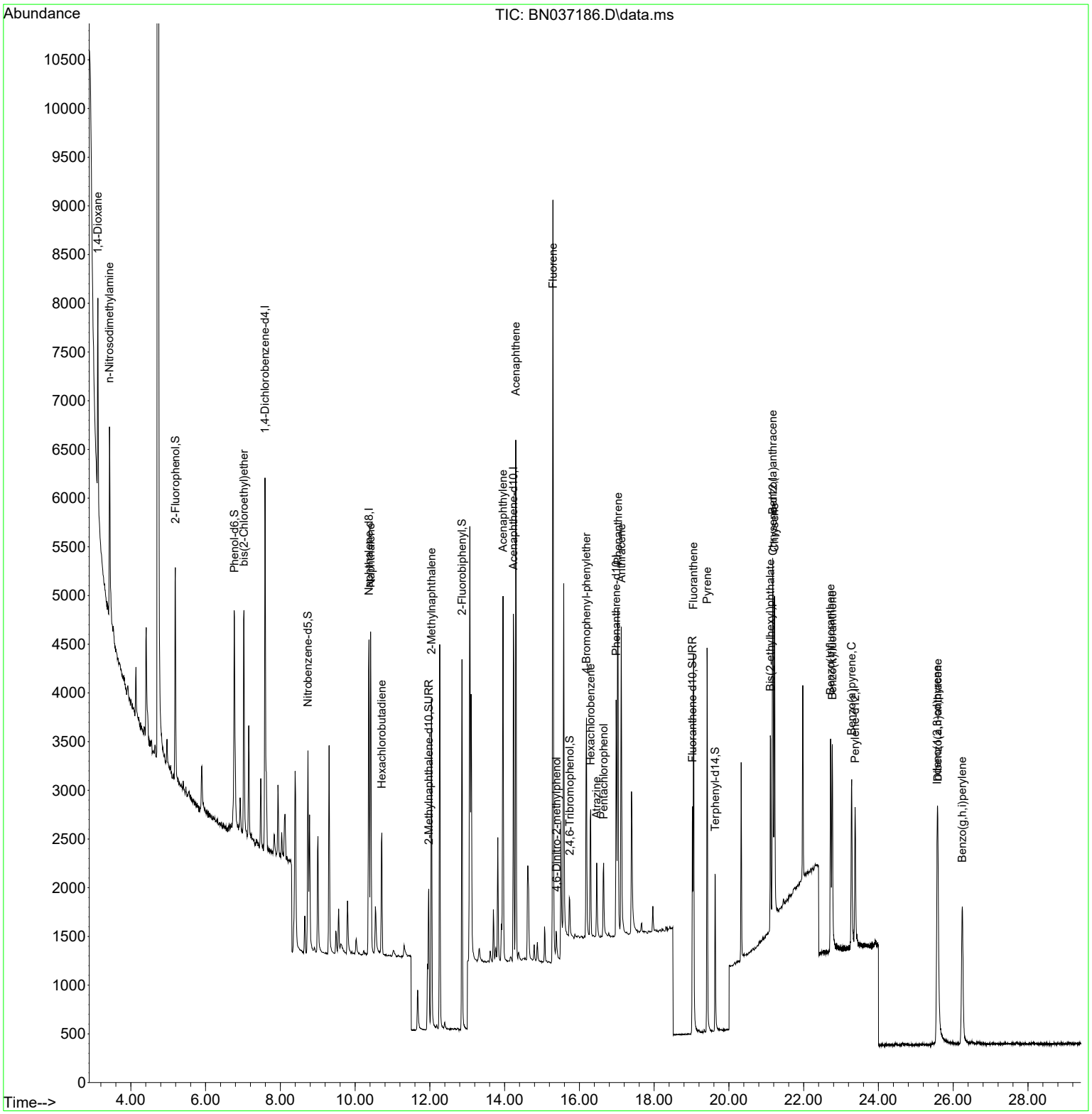
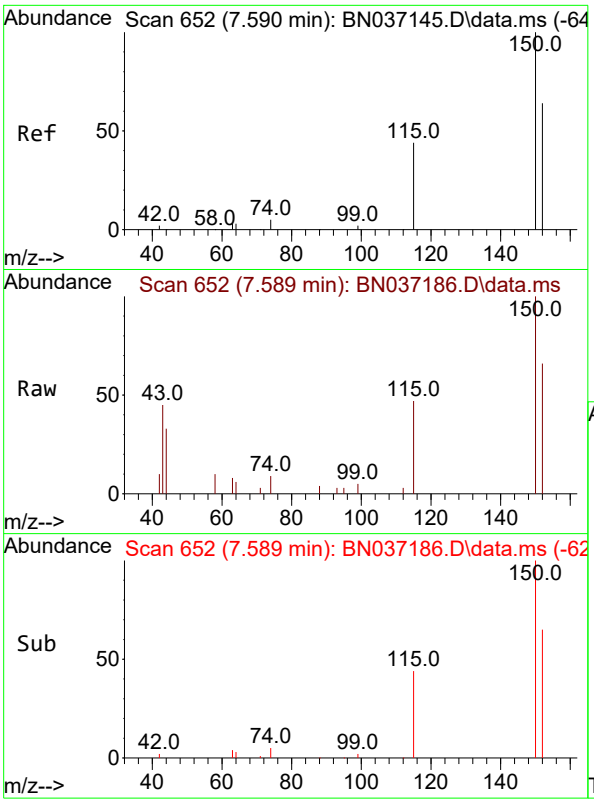


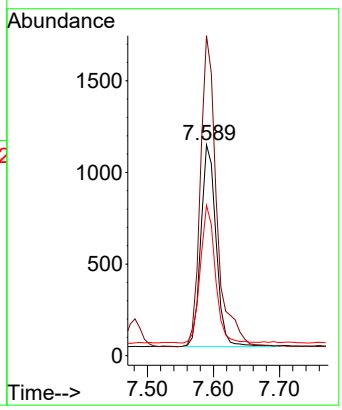


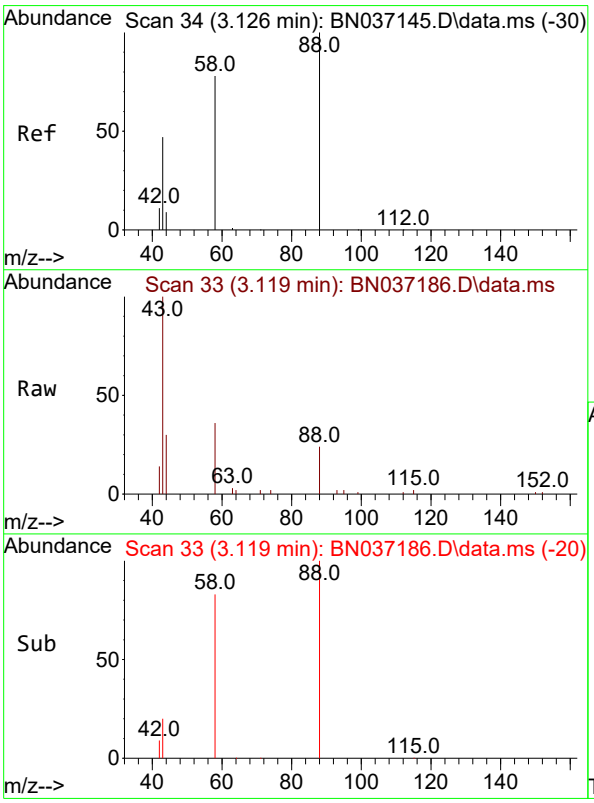
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:152 Resp: 1756

Ion	Ratio	Lower	Upper
152	100		
150	151.7	123.2	184.8
115	71.3	56.6	85.0

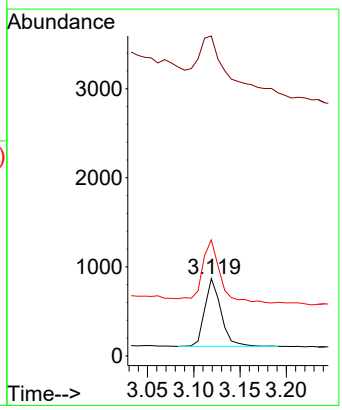


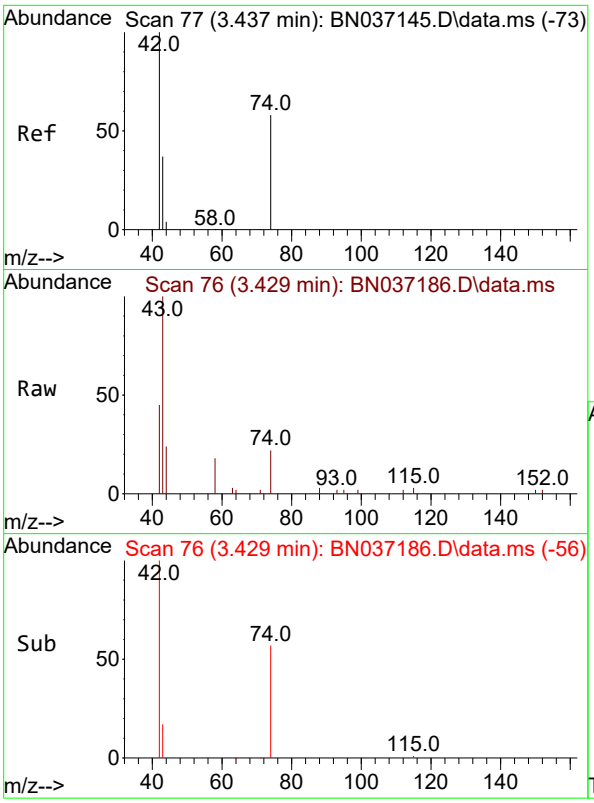


#2
1,4-Dioxane
Concen: 0.397 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion: 88 Resp: 929

Ion	Ratio	Lower	Upper
88	100		
43	165.6	43.5	65.3#
58	103.6	67.7	101.5#



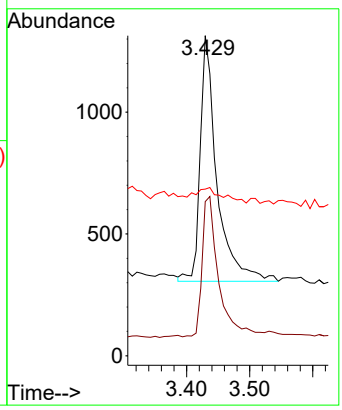


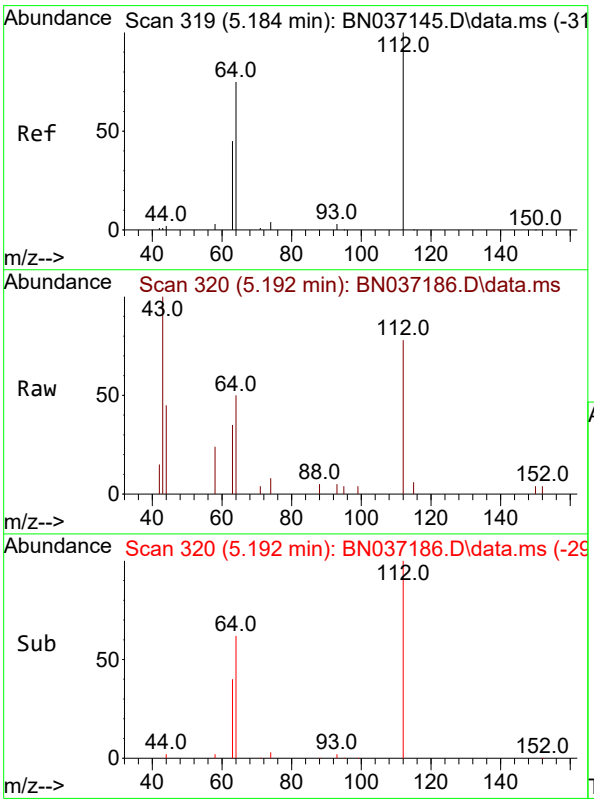
#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.429 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion: 42 Resp: 1855

Ion	Ratio	Lower	Upper
42	100		
74	56.2	53.0	79.4
44	9.9	5.9	8.9#

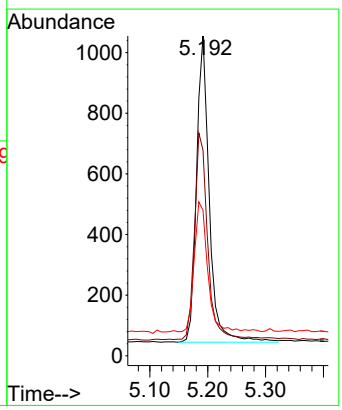


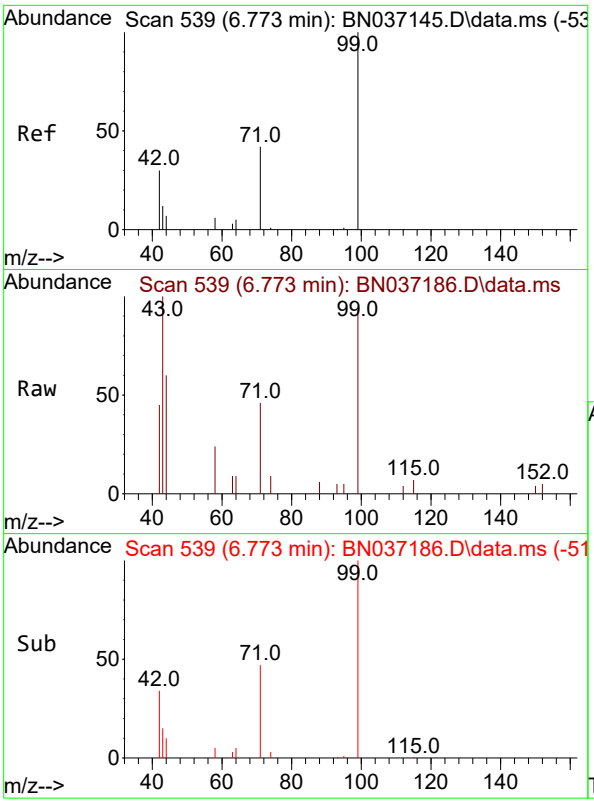


#4
2-Fluorophenol
Concen: 0.358 ng
RT: 5.192 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:112 Resp: 1553

Ion	Ratio	Lower	Upper
112	100		
64	70.3	56.3	84.5
63	45.1	36.2	54.4



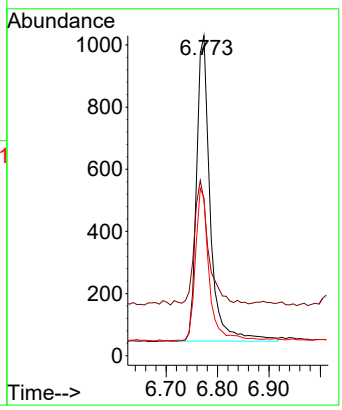


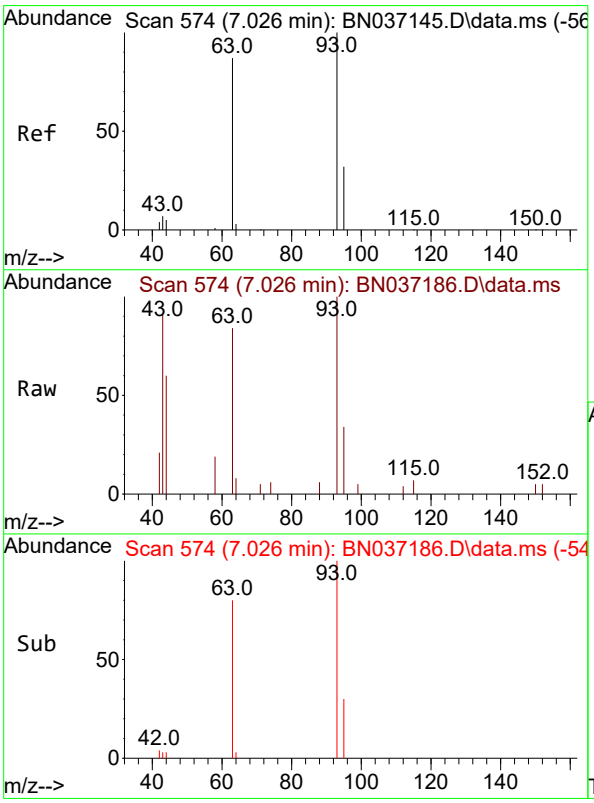
#5
Phenol-d6
Concen: 0.344 ng
RT: 6.773 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion: 99 Resp: 1809

Ion	Ratio	Lower	Upper
99	100		
42	42.8	31.3	46.9
71	50.0	38.2	57.2

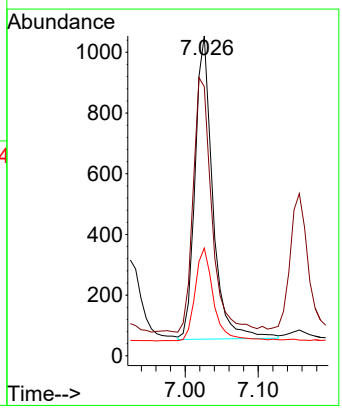


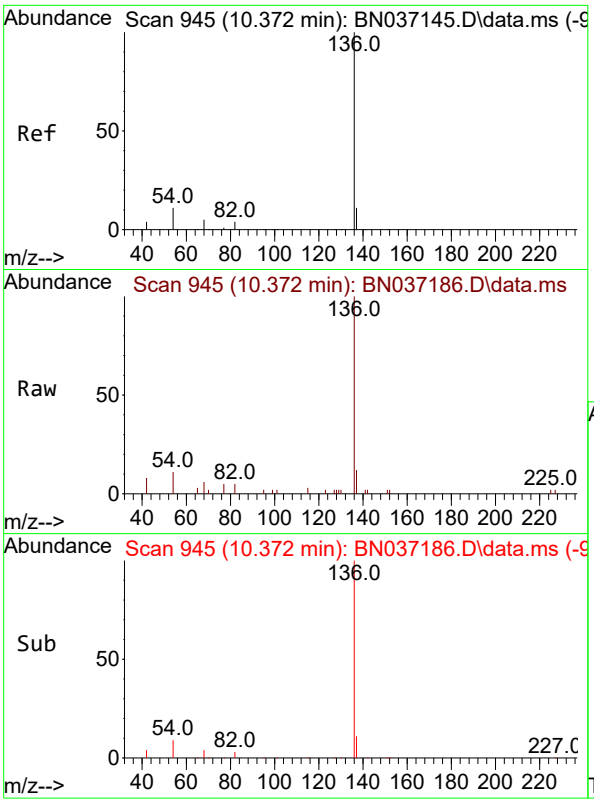


#6
bis(2-Chloroethyl)ether
Concen: 0.336 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion: 93 Resp: 1686

Ion	Ratio	Lower	Upper
93	100		
63	87.5	68.6	103.0
95	32.3	24.3	36.5



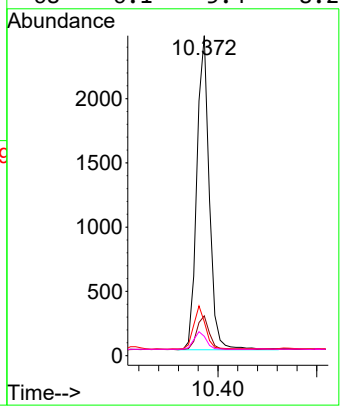


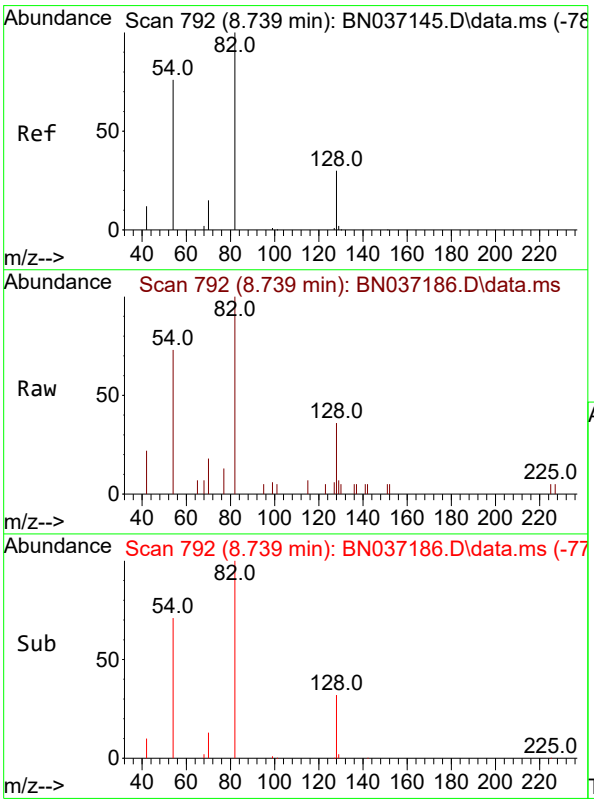
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:136 Resp: 4279

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	10.6	9.7	14.5
68	6.1	5.4	8.2

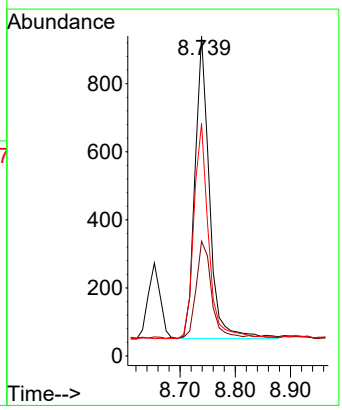


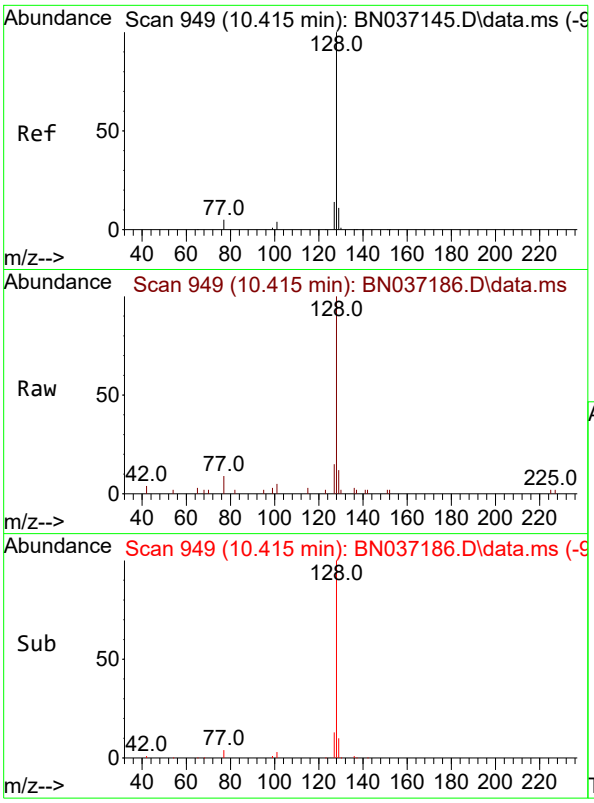


#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion: 82 Resp: 1607

Ion	Ratio	Lower	Upper
82	100		
128	35.9	26.9	40.3
54	72.7	61.4	92.2



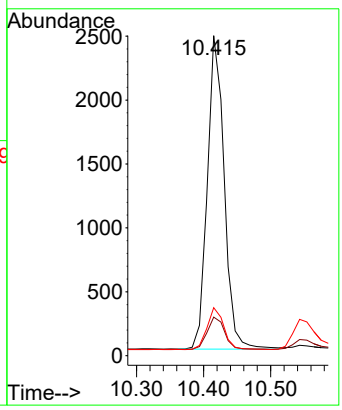


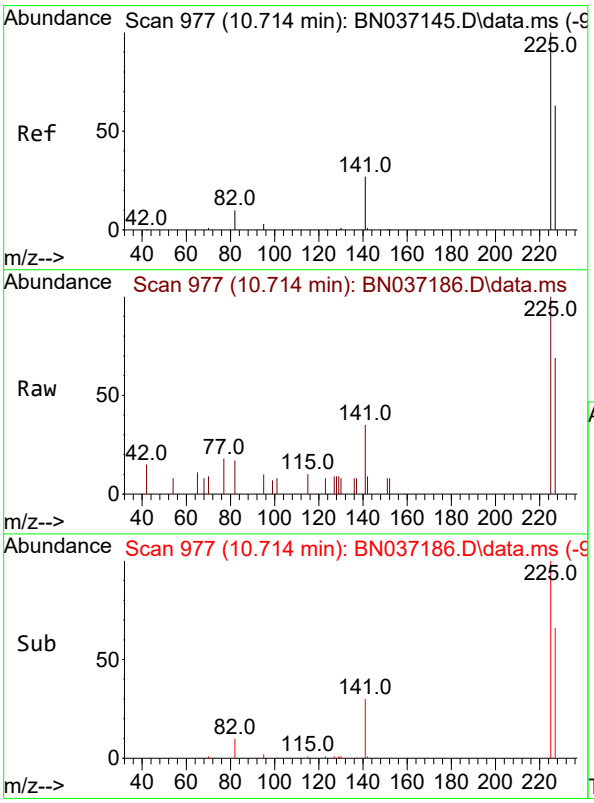
#9
Naphthalene
Concen: 0.348 ng
RT: 10.415 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:128 Resp: 4291

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.8
127	15.0	12.3	18.5

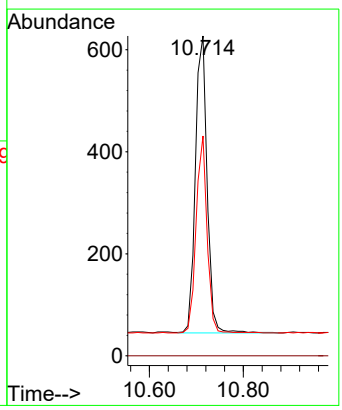


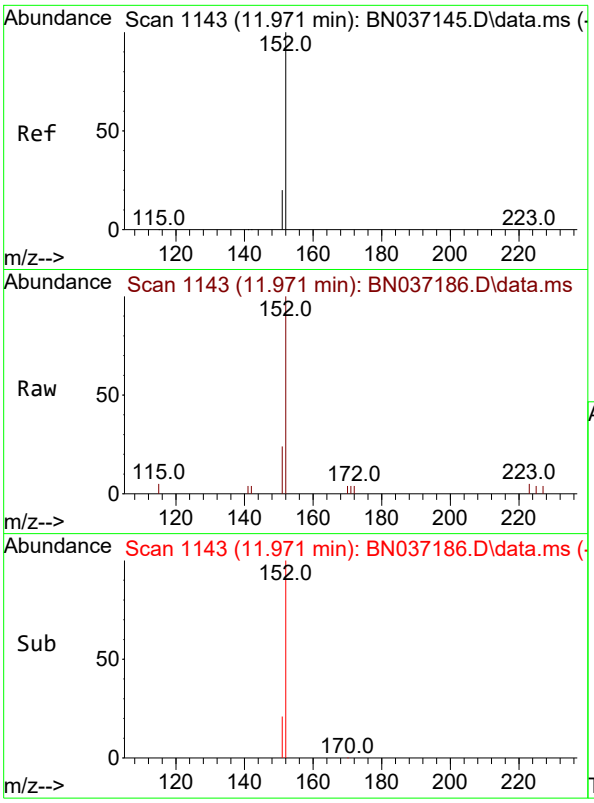


#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:225 Resp: 1009

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	61.9	50.3	75.5



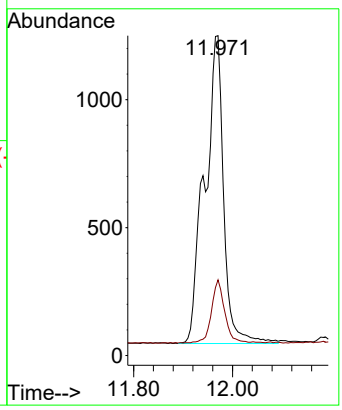


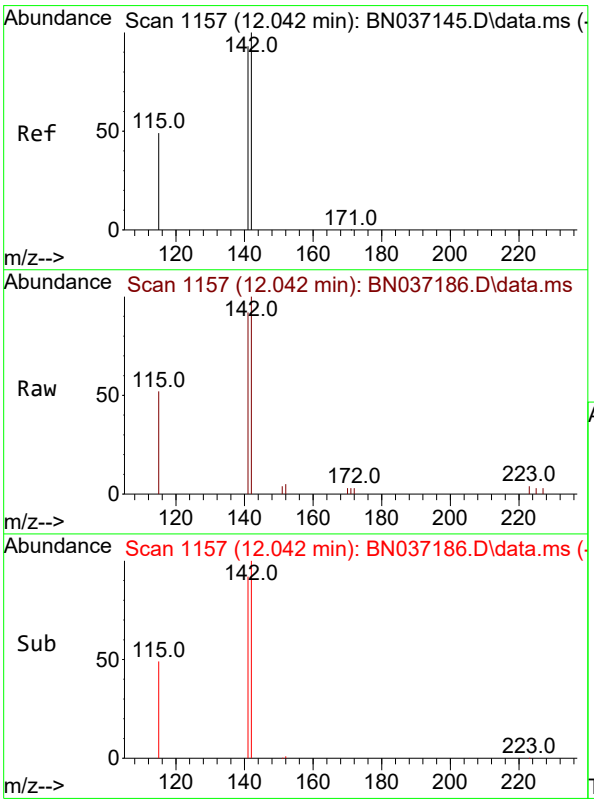
#11
2-Methylnaphthalene-d10
Concen: 0.539 ng
RT: 11.971 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:152 Resp: 3213

Ion	Ratio	Lower	Upper
152	100		
151	14.3	17.1	25.7#

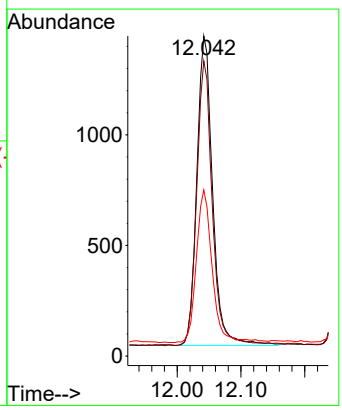


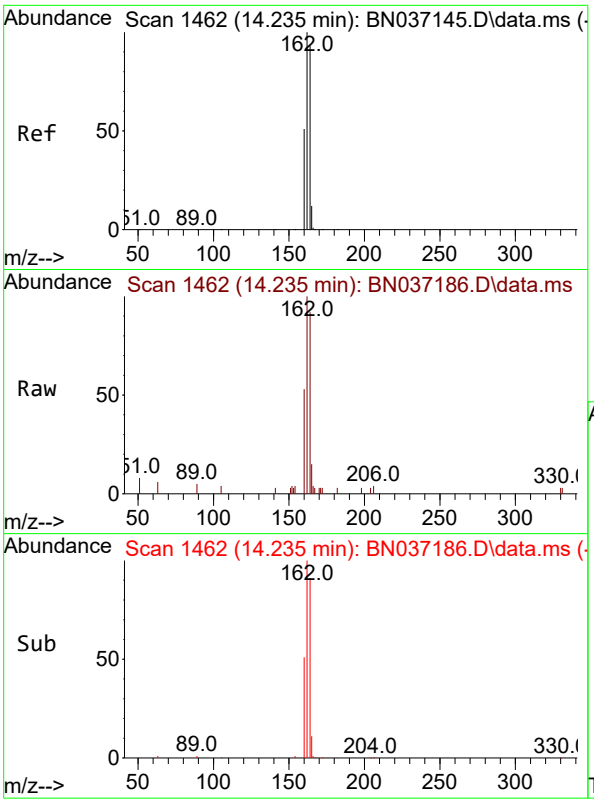


#12
2-Methylnaphthalene
Concen: 0.305 ng
RT: 12.042 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:142 Resp: 2412

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.6	111.8
115	51.9	41.0	61.4



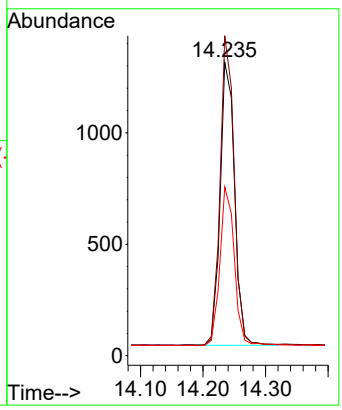


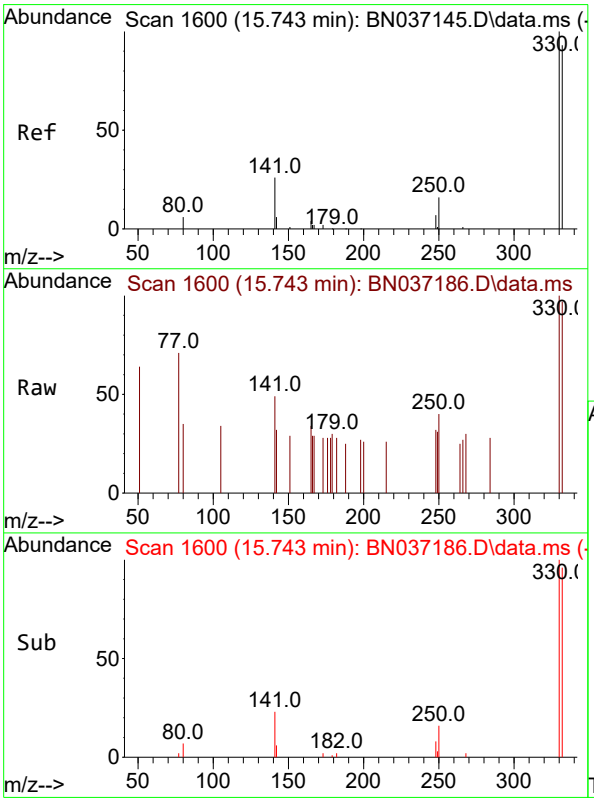
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:164 Resp: 2046

Ion	Ratio	Lower	Upper
164	100		
162	109.0	85.5	128.3
160	57.5	44.6	67.0

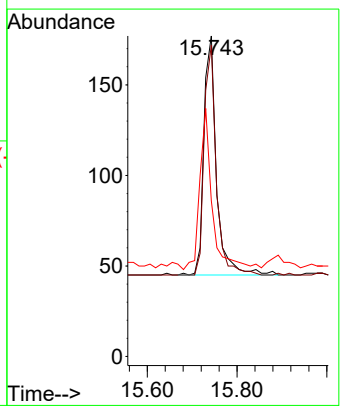


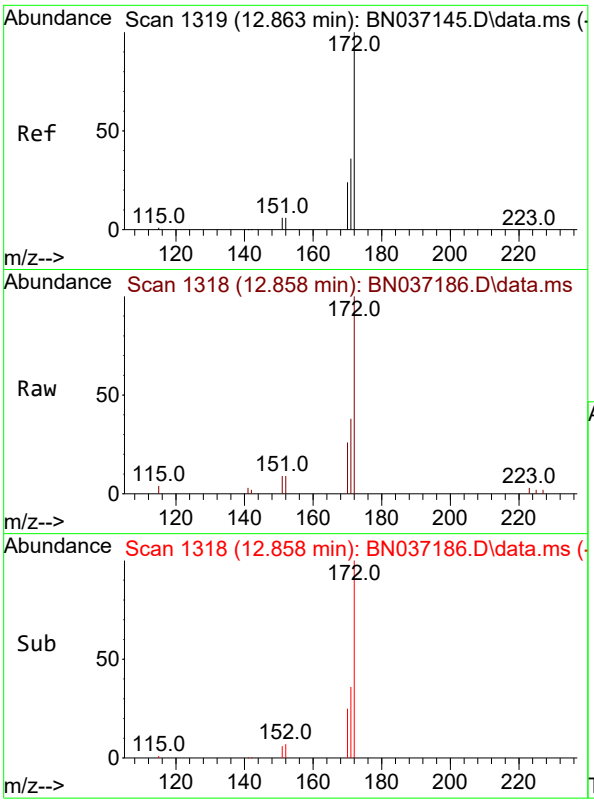


#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:330 Resp: 258

Ion	Ratio	Lower	Upper
330	100		
332	91.9	77.1	115.7
141	65.5	46.4	69.6



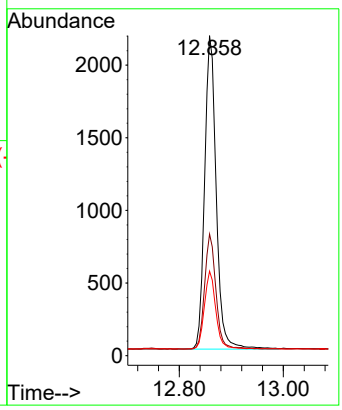


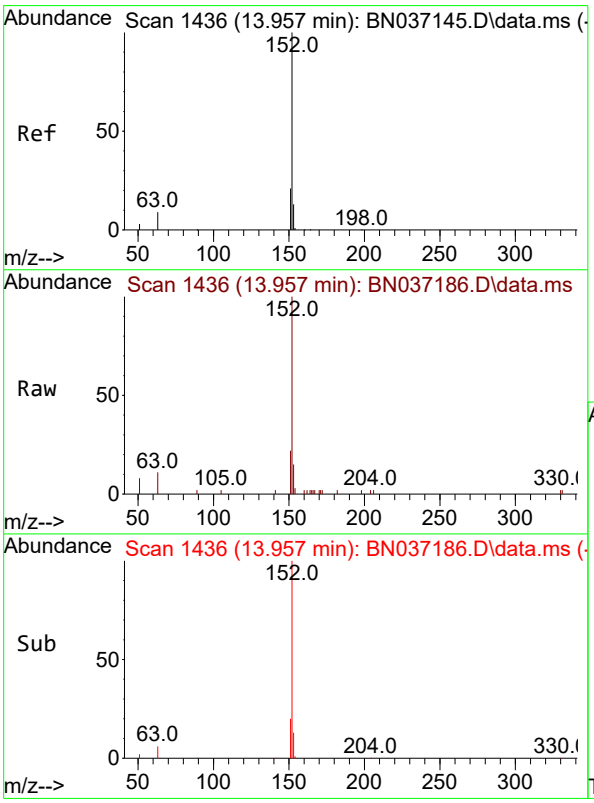
#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.858 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:172 Resp: 3337

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.6	44.4
170	26.4	20.3	30.5

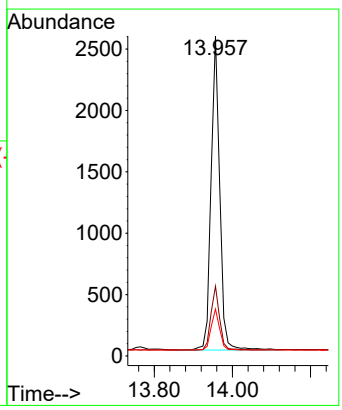


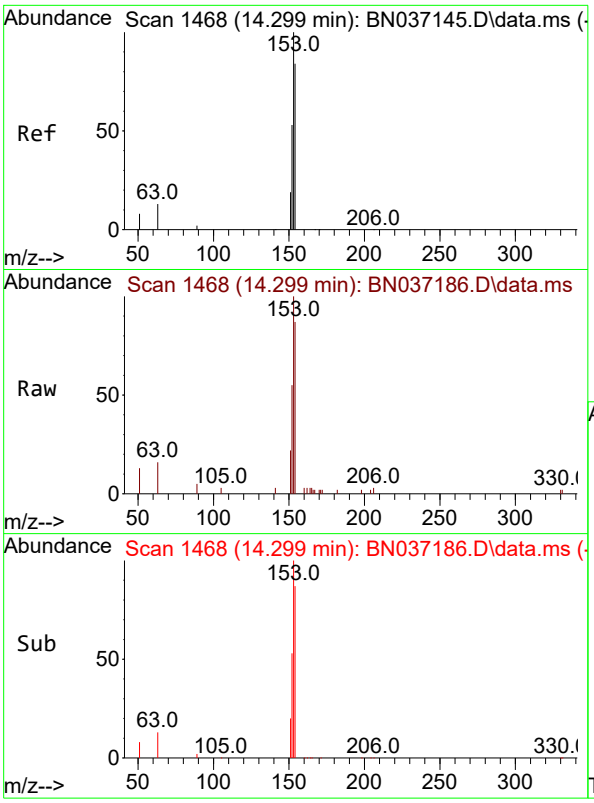


#16
Acenaphthylene
Concen: 0.395 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:152 Resp: 3960

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



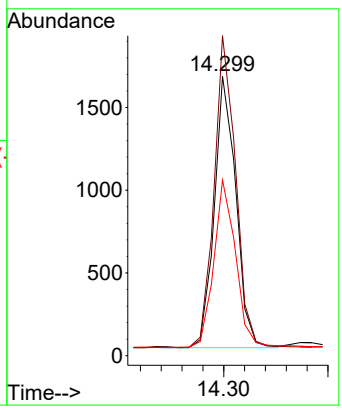


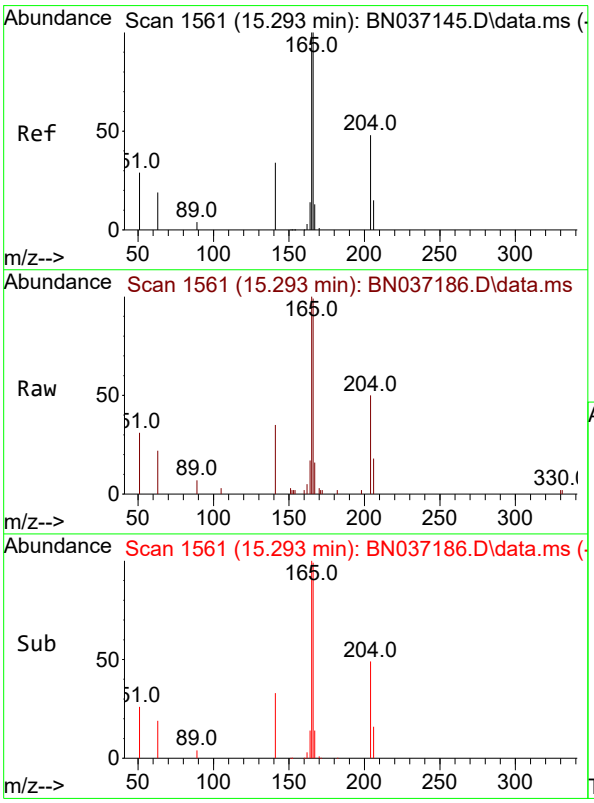
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.299 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:154 Resp: 2357

Ion	Ratio	Lower	Upper
154	100		
153	115.4	93.8	140.8
152	63.1	50.5	75.7

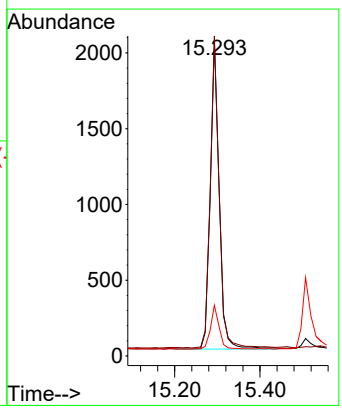


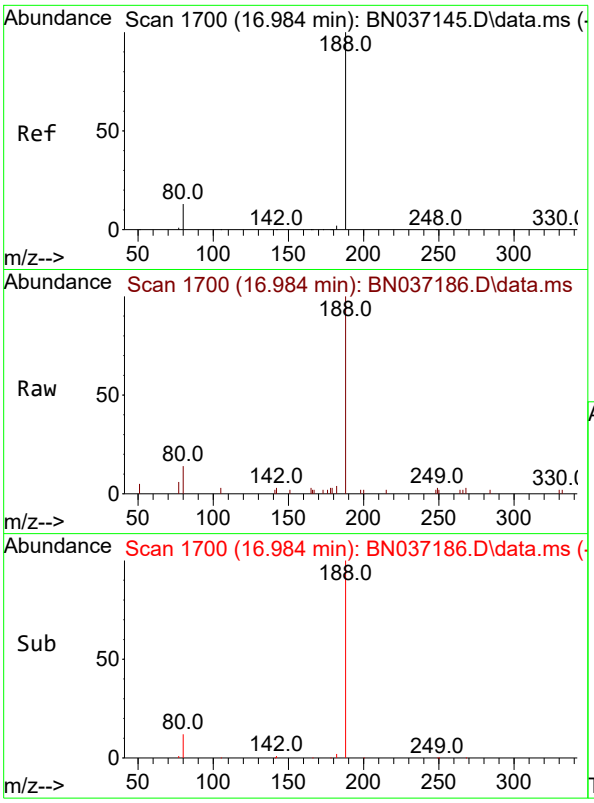


#18
Fluorene
Concen: 0.347 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:166 Resp: 2967

Ion	Ratio	Lower	Upper
166	100		
165	100.0	81.1	121.7
167	13.7	10.8	16.2



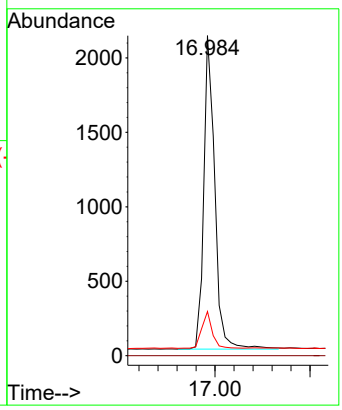


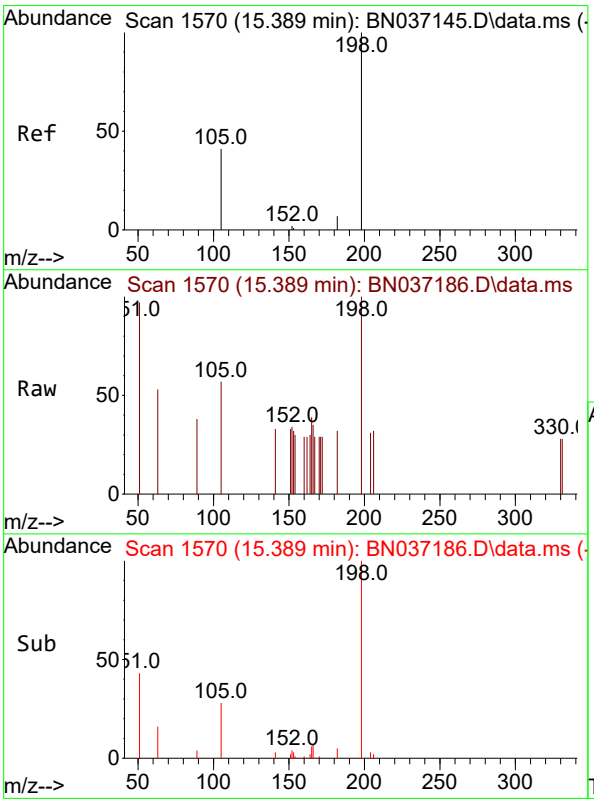
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:188 Resp: 3397

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.8	11.3	16.9

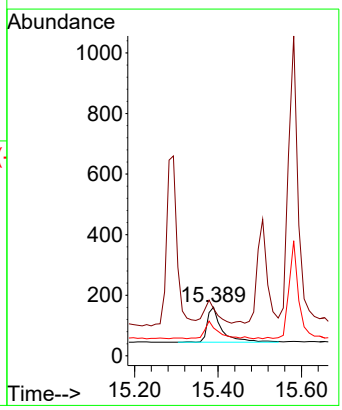


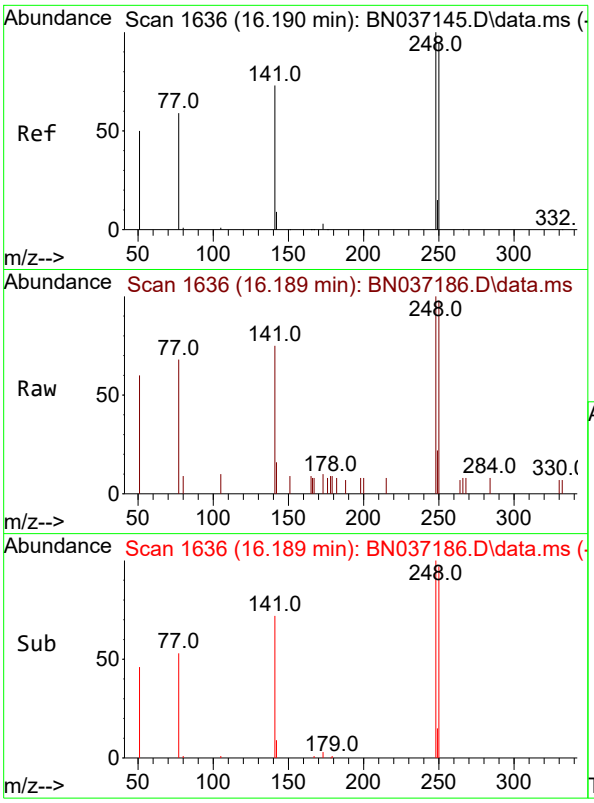


#20
4,6-Dinitro-2-methylphenol
Concen: 0.561 ng
RT: 15.389 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:198 Resp: 285

Ion	Ratio	Lower	Upper
198	100		
51	96.9	125.2	187.8#
105	57.1	57.1	85.7



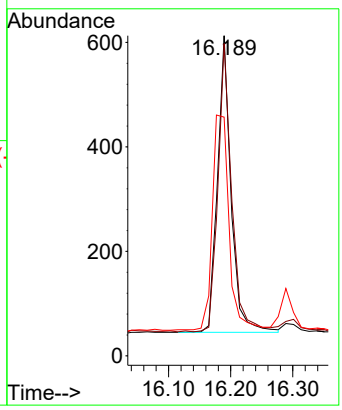


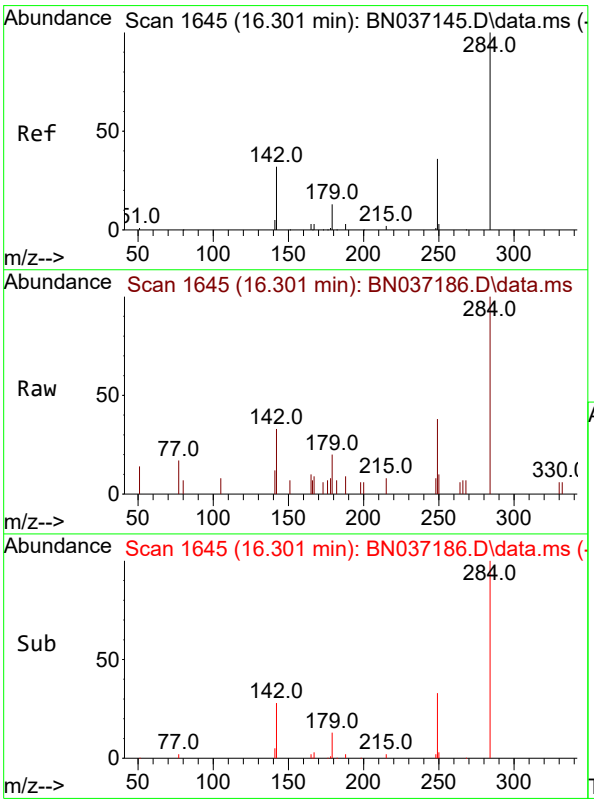
#21
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.189 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:248 Resp: 859

Ion	Ratio	Lower	Upper
248	100		
250	97.6	76.1	114.1
141	74.6	60.1	90.1

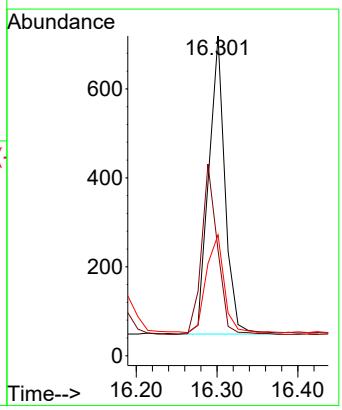


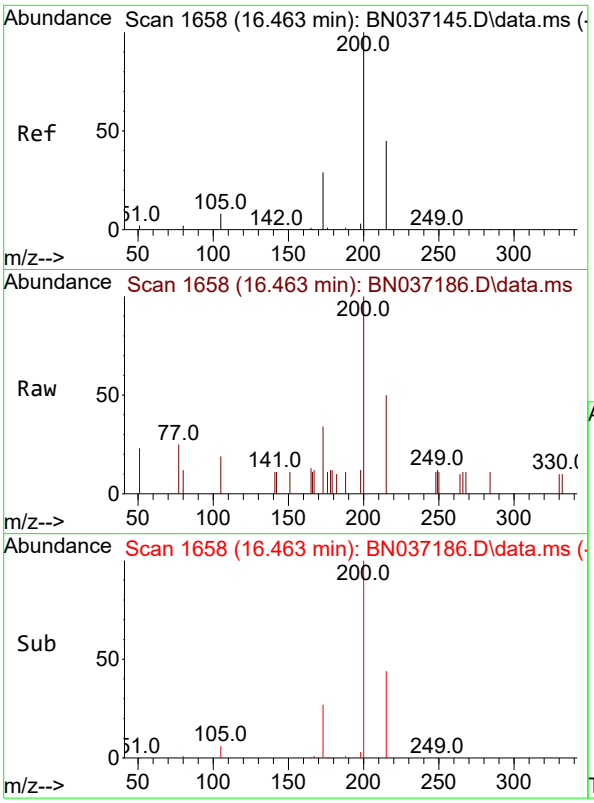


#22
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:284 Resp: 936

Ion	Ratio	Lower	Upper
284	100		
142	55.9	44.0	66.0
249	36.0	29.7	44.5



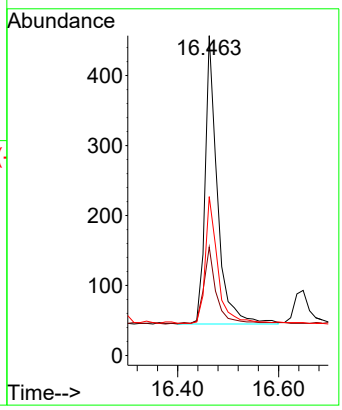


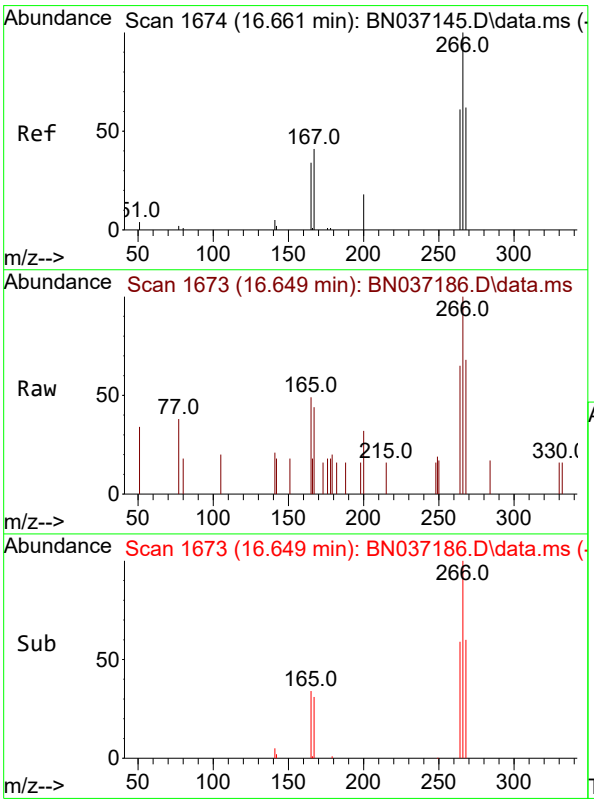
#23
Atrazine
Concen: 0.379 ng
RT: 16.463 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:200 Resp: 696

Ion	Ratio	Lower	Upper
200	100		
173	33.9	28.1	42.1
215	49.7	39.3	58.9

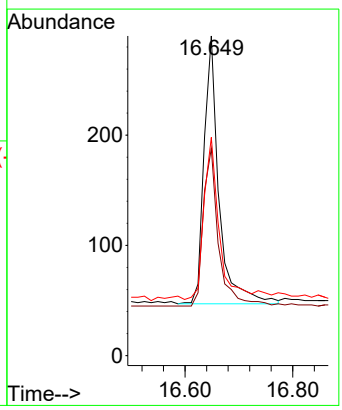


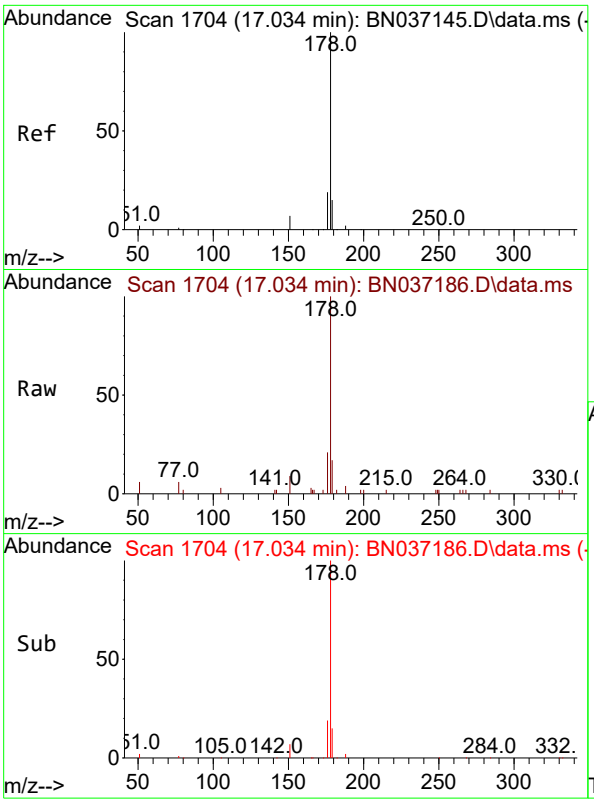


#24
Pentachlorophenol
Concen: 0.540 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:266 Resp: 468

Ion	Ratio	Lower	Upper
266	100		
264	60.7	49.3	73.9
268	64.3	49.0	73.4



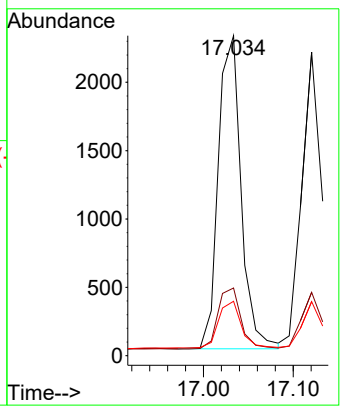


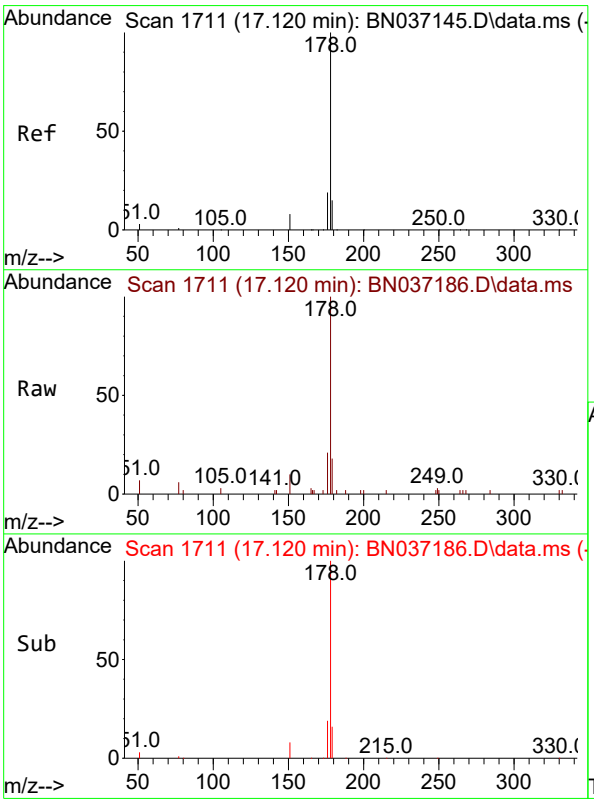
#25
Phenanthrene
Concen: 0.368 ng
RT: 17.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:178 Resp: 4052

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.7	12.3	18.5

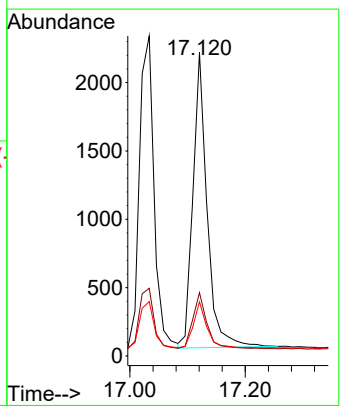


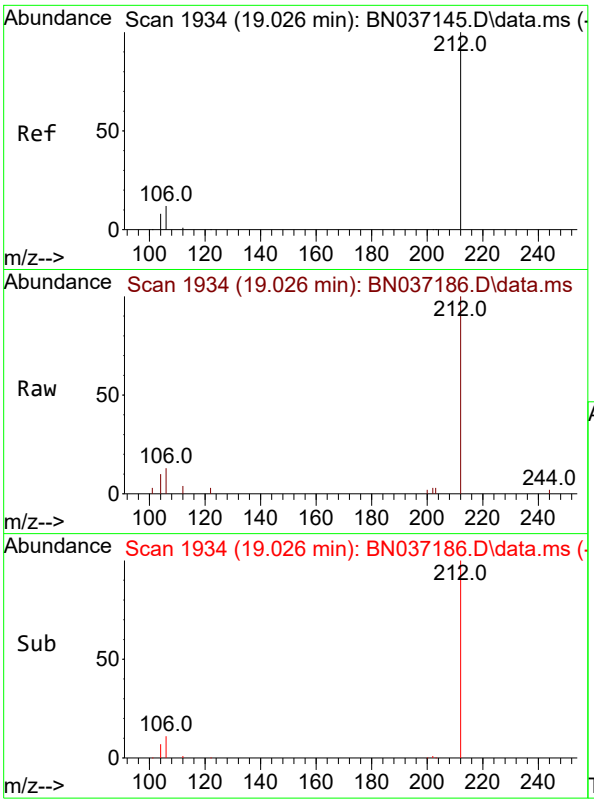


#26
Anthracene
Concen: 0.366 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:178 Resp: 3680

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.0	12.9	19.3



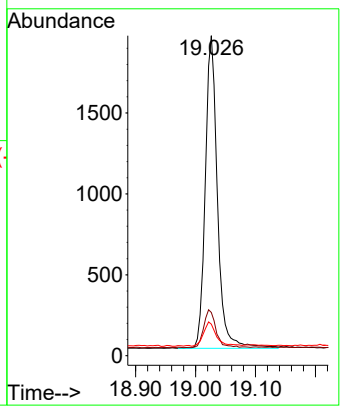


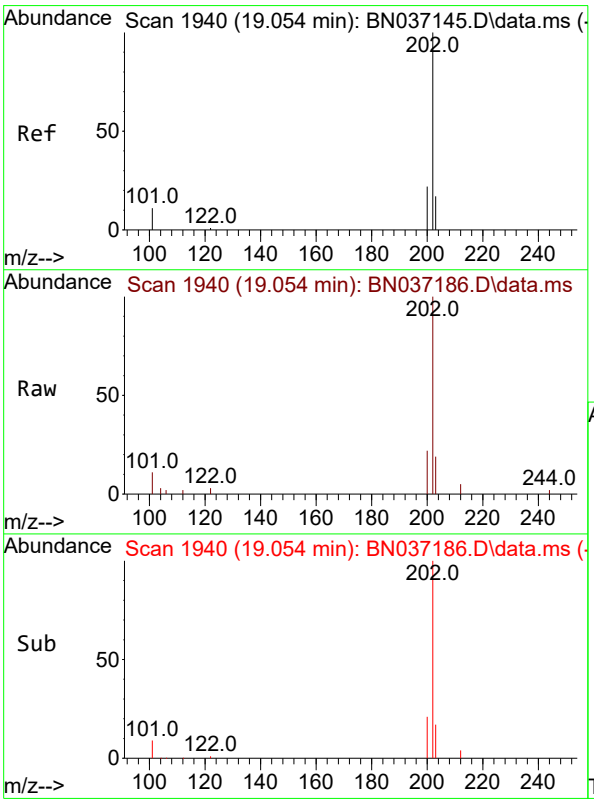
#27
Fluoranthene-d10
Concen: 0.315 ng
RT: 19.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:212 Resp: 2720

Ion	Ratio	Lower	Upper
212	100		
106	12.4	10.6	15.8
104	8.1	6.6	9.8

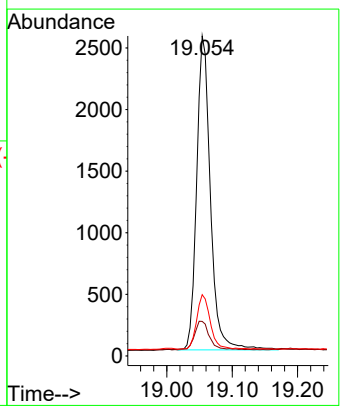


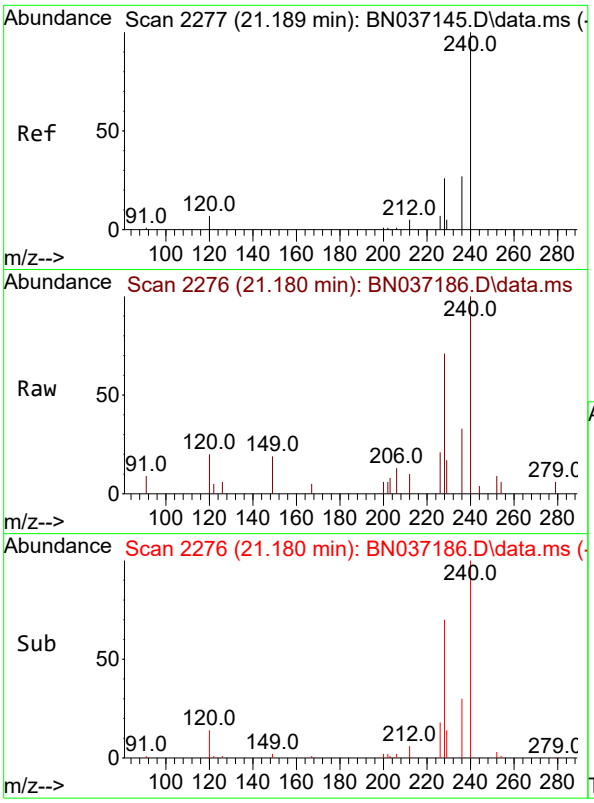


#28
Fluoranthene
Concen: 0.306 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:202 Resp: 3726

Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.7	13.1
203	17.2	13.5	20.3



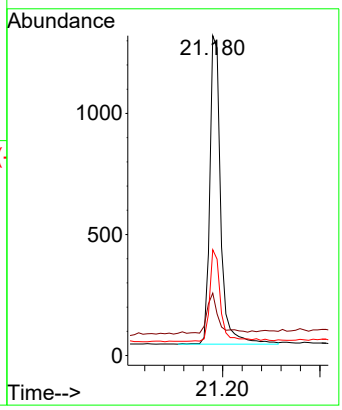


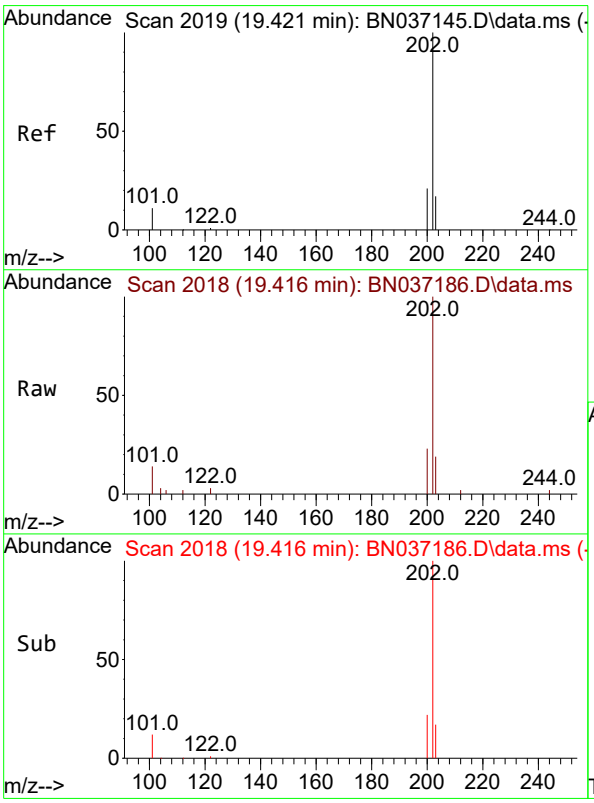
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:240 Resp: 1984

Ion	Ratio	Lower	Upper
240	100		
120	19.5	9.0	13.4#
236	33.1	23.0	34.4

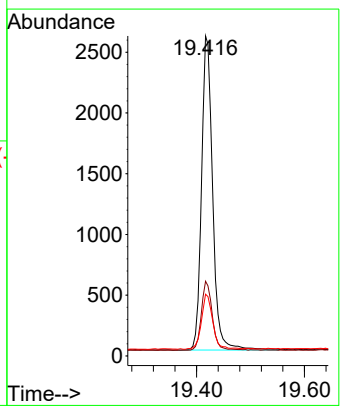


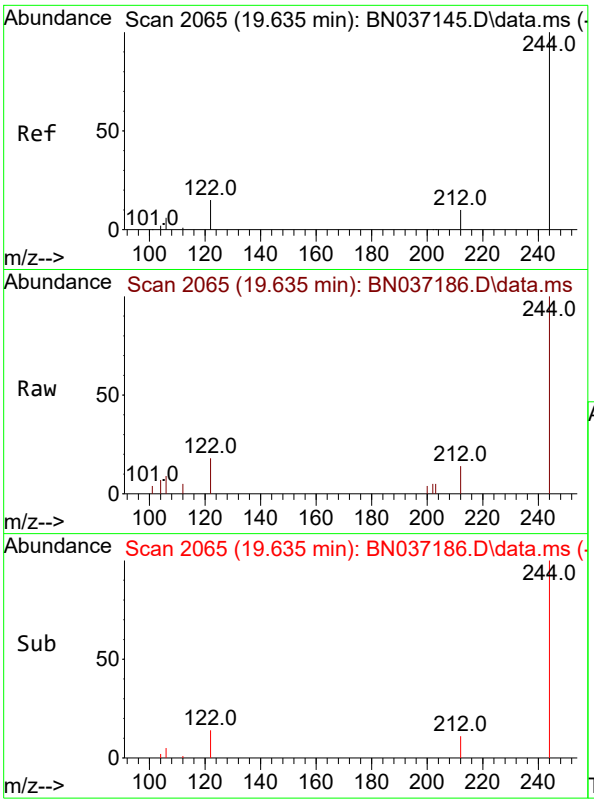


#30
Pyrene
Concen: 0.382 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:202 Resp: 3699

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.4	14.2	21.4



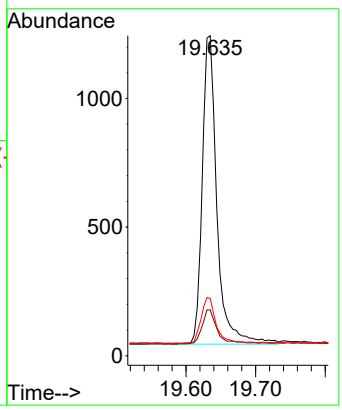


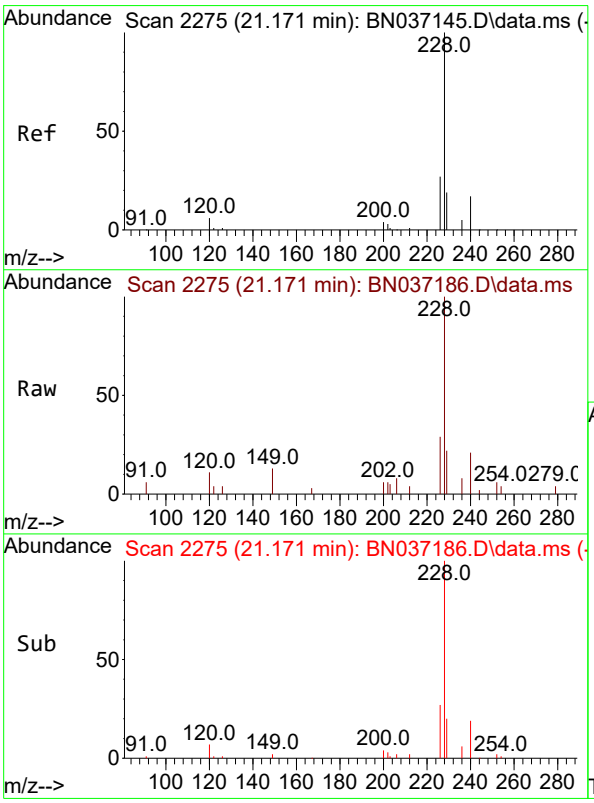
#31
Terphenyl-d14
Concen: 0.375 ng
RT: 19.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:244 Resp: 1751

Ion	Ratio	Lower	Upper
244	100		
212	14.3	10.0	15.0
122	17.9	13.2	19.8

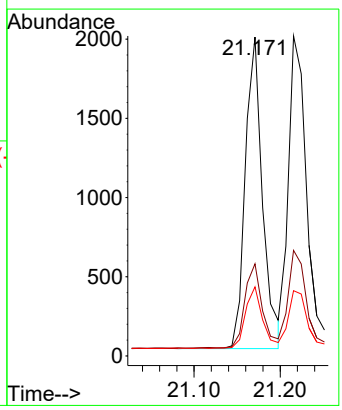


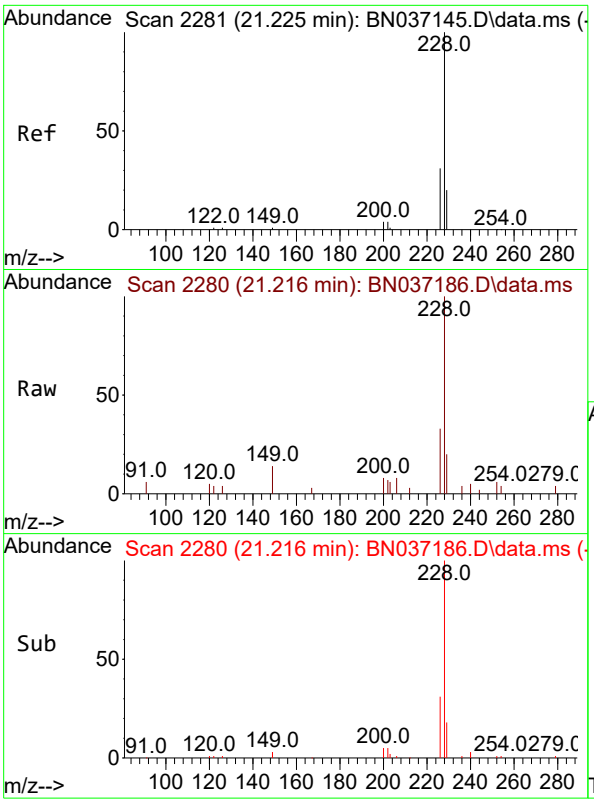


#32
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:228 Resp: 2740

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.7	16.2	24.2



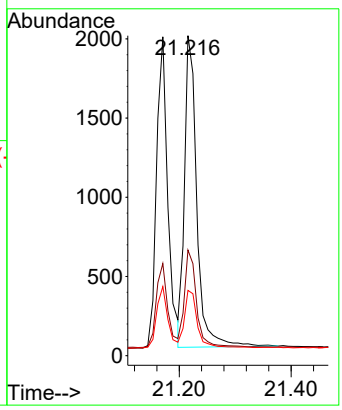


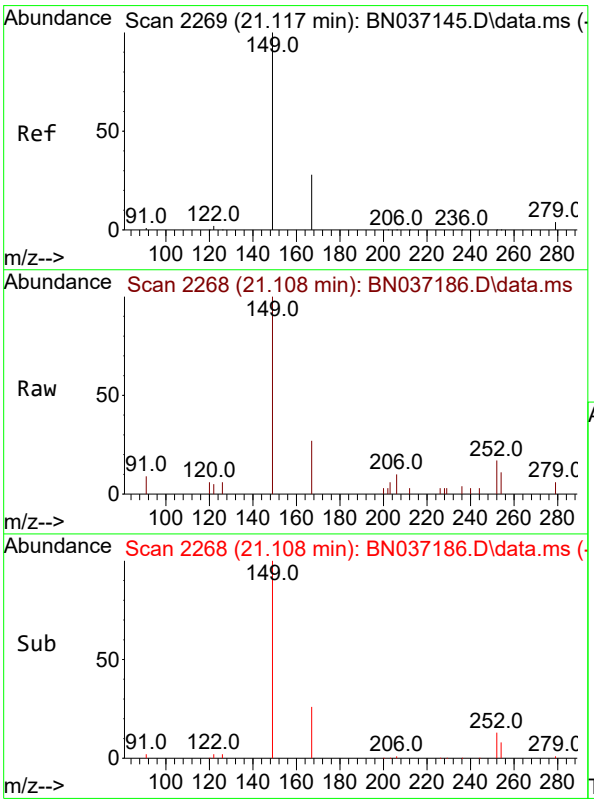
#33
Chrysene
Concen: 0.376 ng
RT: 21.216 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:228 Resp: 3010

Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.2	37.8
229	20.4	16.8	25.2

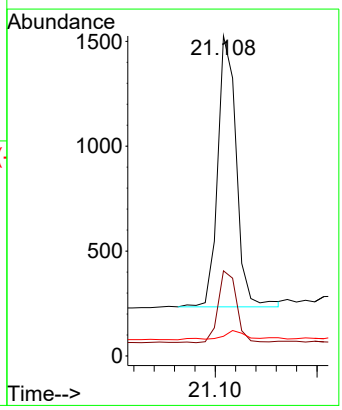


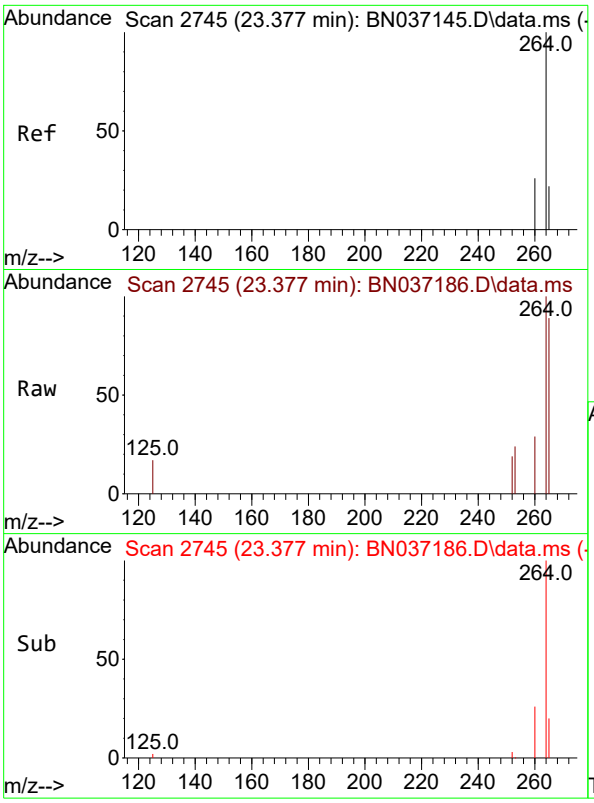


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.362 ng
RT: 21.108 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:149 Resp: 1639

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	4.2	2.9	4.3



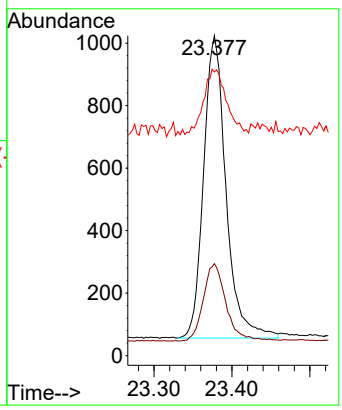


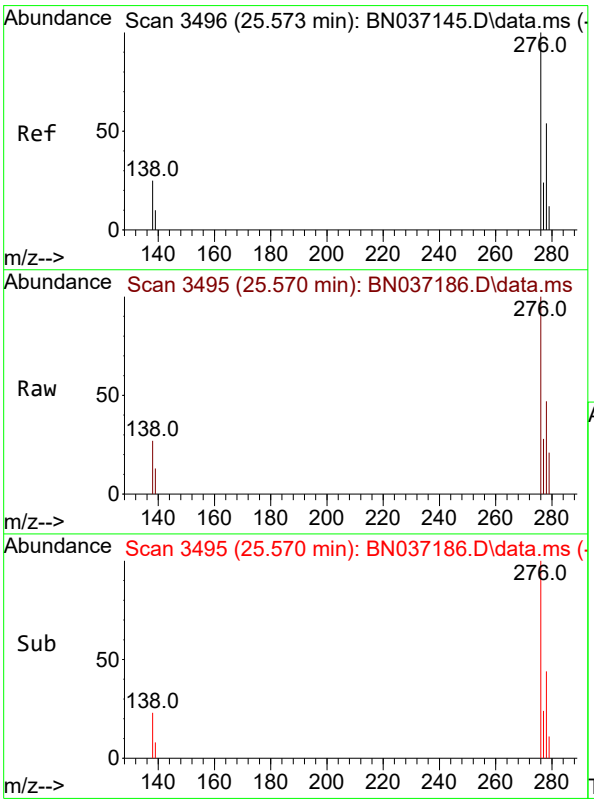
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:264 Resp: 1936

Ion	Ratio	Lower	Upper
264	100		
260	28.7	22.1	33.1
265	88.7	55.8	83.8#

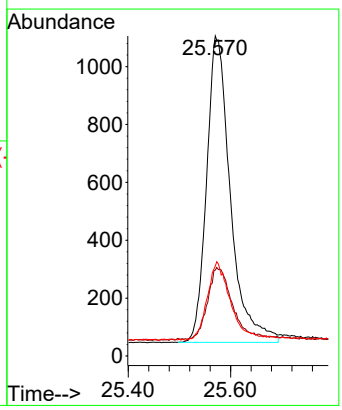


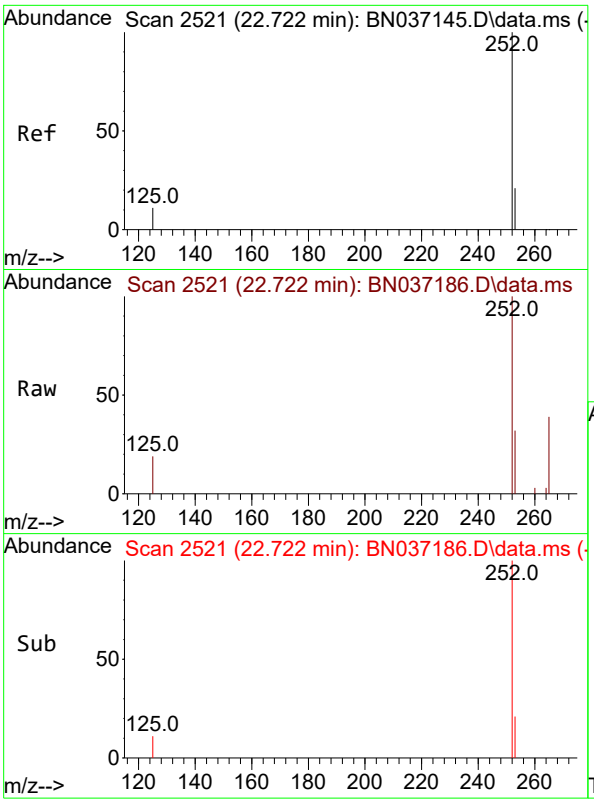


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.444 ng
RT: 25.570 min Scan# 3495
Delta R.T. -0.003 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:276 Resp: 3418

Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.0	31.6
277	24.9	19.4	29.2



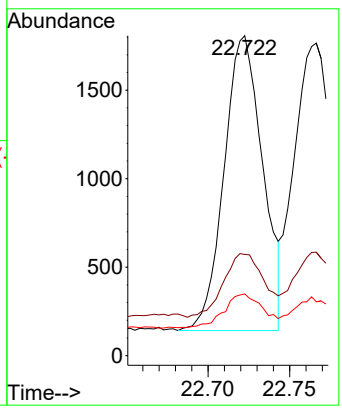


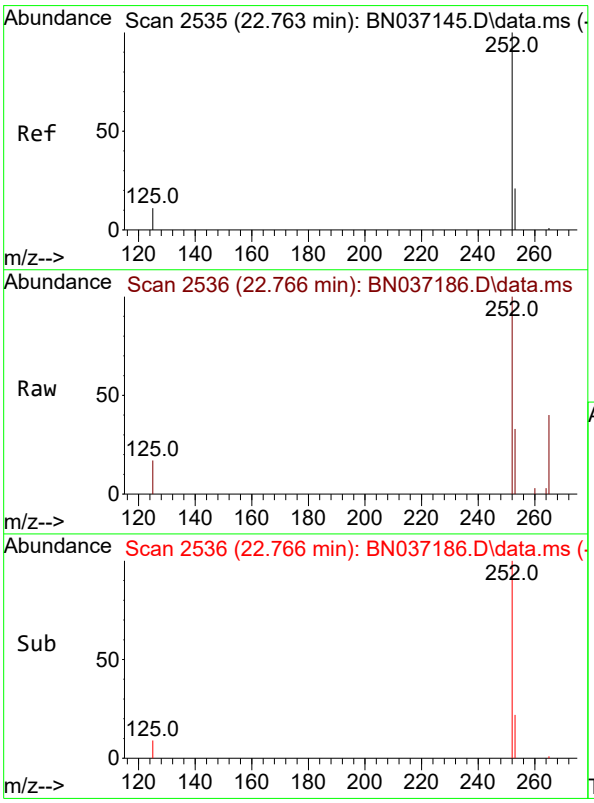
#37
Benzo(b)fluoranthene
Concen: 0.350 ng
RT: 22.722 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:252 Resp: 2739

Ion	Ratio	Lower	Upper
252	100		
253	31.6	22.3	33.5
125	19.3	13.2	19.8

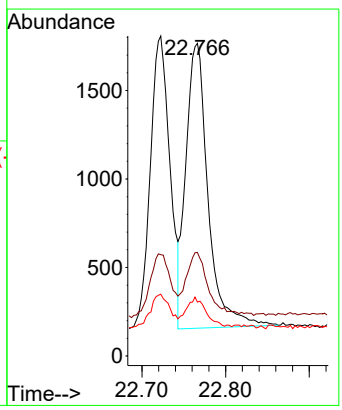


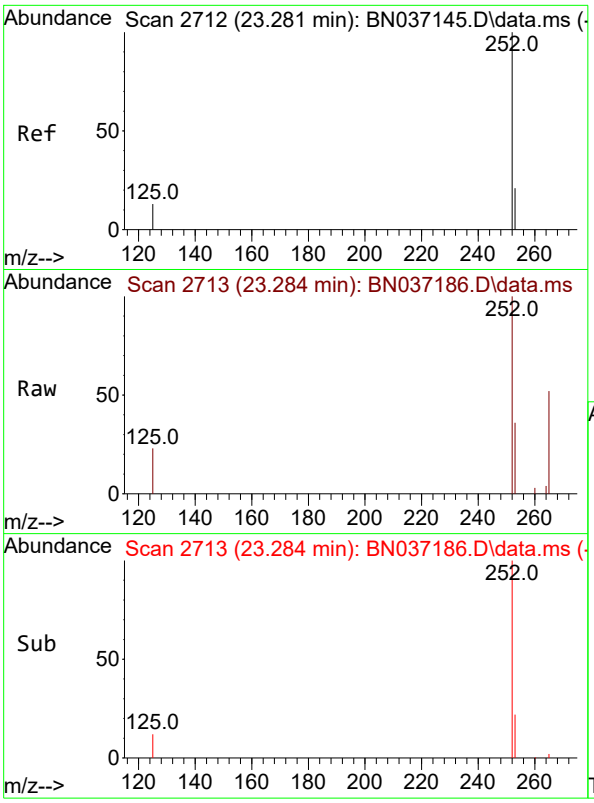


#38
Benzo(k)fluoranthene
Concen: 0.371 ng
RT: 22.766 min Scan# 2536
Delta R.T. 0.003 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:252 Resp: 2964

Ion	Ratio	Lower	Upper
252	100		
253	33.1	22.2	33.4
125	17.3	13.2	19.8



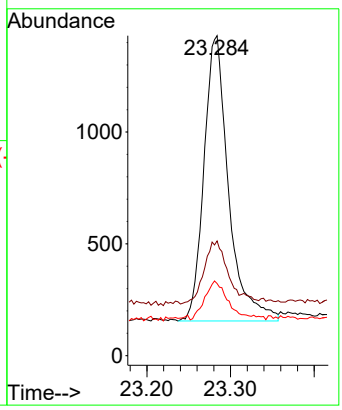


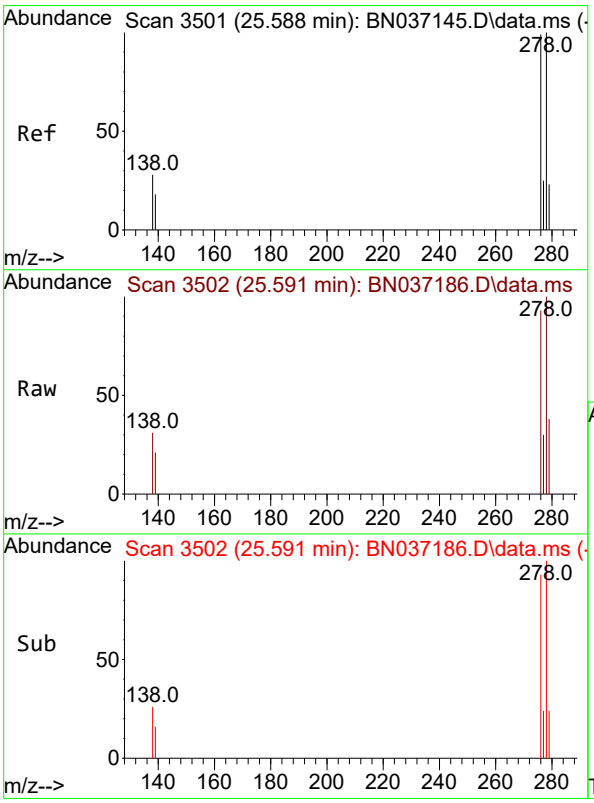
#39
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.284 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:252 Resp: 2606

Ion	Ratio	Lower	Upper
252	100		
253	35.8	25.0	37.4
125	22.6	17.0	25.6

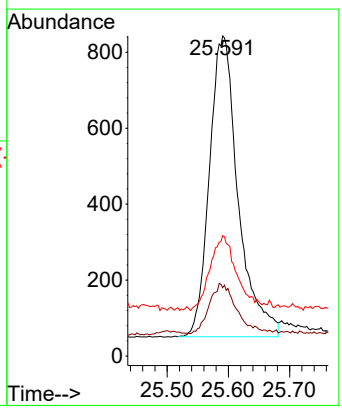


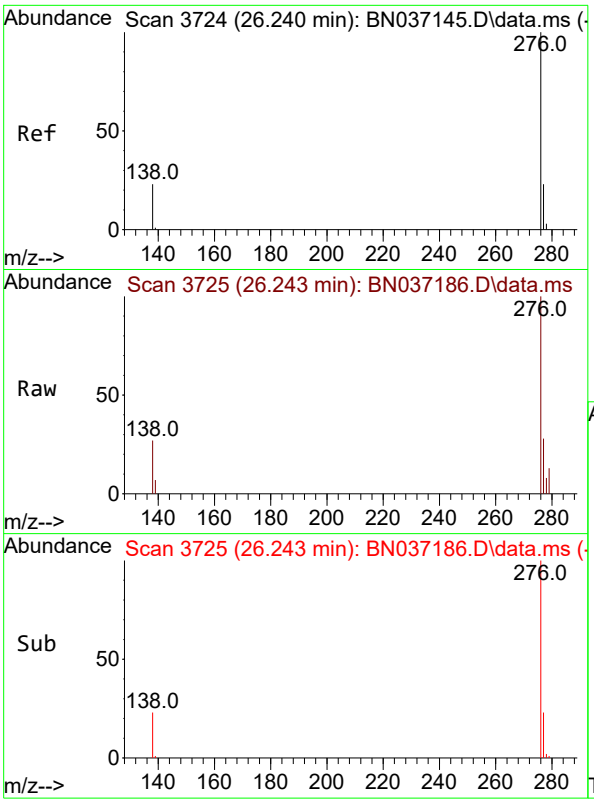


#40
Dibenzo(a,h)anthracene
Concen: 0.434 ng
RT: 25.591 min Scan# 3502
Delta R.T. 0.003 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:278 Resp: 2579

Ion	Ratio	Lower	Upper
278	100		
139	21.4	17.6	26.4
279	37.6	26.0	39.0





#41
Benzo(g,h,i)perylene
Concen: 0.428 ng
RT: 26.243 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion:276 Resp: 2922

Ion	Ratio	Lower	Upper
276	100		
277	27.9	20.9	31.3
138	27.0	20.8	31.2