Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037193.D
Acq On : 09 Jun 2025 15:47
Operator : RC/JU
Sample : Q2250-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jun 09 16:53:21 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	7.590	152	2169	0.400	ng		0.00
7) Naphthalene-d8	10.362	136	5646	0.400	ng		#-0.01
13) Acenaphthene-d10	14.235	164	2926	0.400	ng		0.00
19) Phenanthrene-d10	16.984	188	5139	0.400	ng		0.00
29) Chrysene-d12	21.180	240	3419	0.400	ng		# 0.00
35) Perylene-d12	23.374	264	3336	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.185	112	842	0.157	ng		0.00
5) Phenol-d6	6.773	99	692	0.106	ng		0.00
8) Nitrobenzene-d5	8.739	82	1894	0.318	ng		0.00
11) 2-Methylnaphthalene-d10	11.966	152	2680	0.341	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	451	0.383	ng		-0.01
15) 2-Fluorobiphenyl	12.858	172	4311	0.346	ng		0.00
27) Fluoranthene-d10	19.022	212	4775	0.366	ng		0.00
31) Terphenyl-d14	19.630	244	3637	0.452	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.112	88	9354	3.235	ng		95
3) n-Nitrosodimethylamine	3.430	42	740	0.127	ng	#	83
6) bis(2-Chloroethyl)ether	7.019	93	2082	0.336	ng		97
9) Naphthalene	10.415	128	5110	0.314	ng		98
10) Hexachlorobutadiene	10.703	225	906	0.255	ng	#	98
12) 2-Methylnaphthalene	12.037	142	3210	0.307	ng		98
16) Acenaphthylene	13.957	152	5333	0.372	ng		100
17) Acenaphthene	14.299	154	3131	0.336	ng		99
18) Fluorene	15.293	166	4472	0.365	ng		98
20) 4,6-Dinitro-2-methylph...	15.379	198	471	0.587	ng	#	63
21) 4-Bromophenyl-phenylether	16.190	248	1330	0.395	ng	#	79
22) Hexachlorobenzene	16.301	284	1342	0.369	ng		98
23) Atrazine	16.463	200	1184	0.426	ng	#	93
24) Pentachlorophenol	16.636	266	1464	0.888	ng		98
25) Phenanthrene	17.021	178	6930	0.416	ng		99
26) Anthracene	17.120	178	5874	0.387	ng		98
28) Fluoranthene	19.054	202	6813	0.370	ng	#	97
30) Pyrene	19.417	202	6824	0.409	ng		100
32) Benzo(a)anthracene	21.171	228	5337	0.431	ng		100
33) Chrysene	21.216	228	5681	0.412	ng		98
34) Bis(2-ethylhexyl)phtha...	21.108	149	3448	0.442	ng		100
36) Indeno(1,2,3-cd)pyrene	25.573	276	5422	0.409	ng		99
37) Benzo(b)fluoranthene	22.761	252	5262	0.391	ng		96
38) Benzo(k)fluoranthene	22.761	252	5262	0.383	ng		95
39) Benzo(a)pyrene	23.281	252	4286	0.380	ng	#	88
40) Dibenzo(a,h)anthracene	25.585	278	4235	0.414	ng		99
41) Benzo(g,h,i)perylene	26.240	276	4499	0.383	ng		97

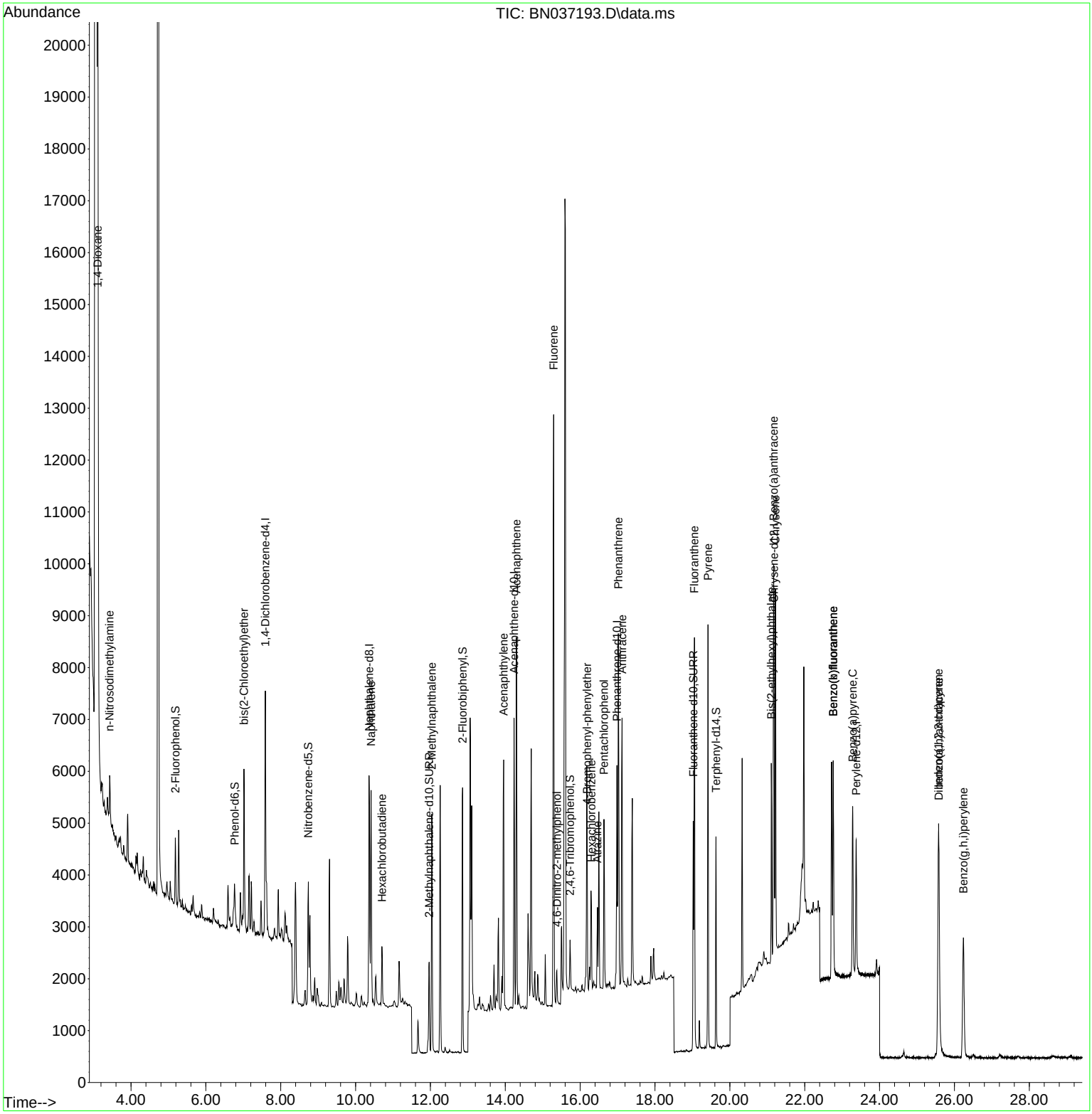
(#) = qualifier out of range (m) = manual integration (+) = signals summed

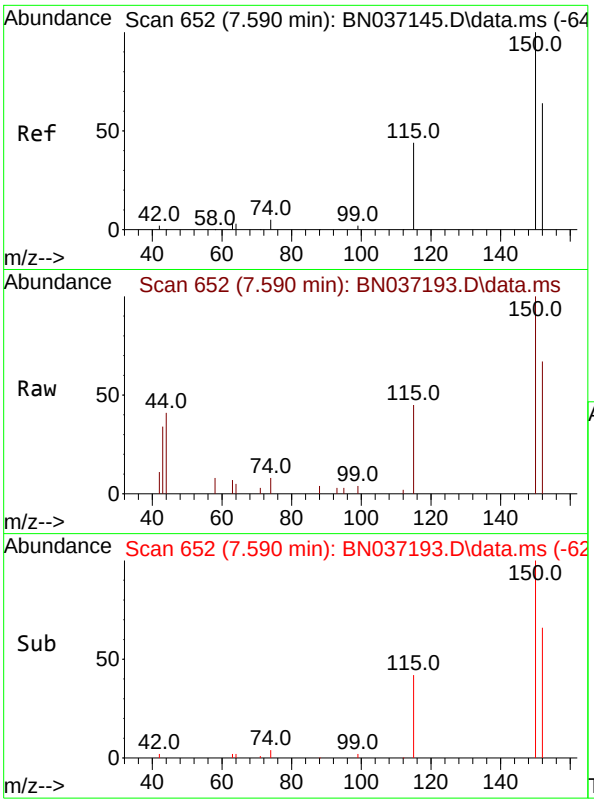
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037193.D
Acq On : 09 Jun 2025 15:47
Operator : RC/JU
Sample : Q2250-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jun 09 16:53:21 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



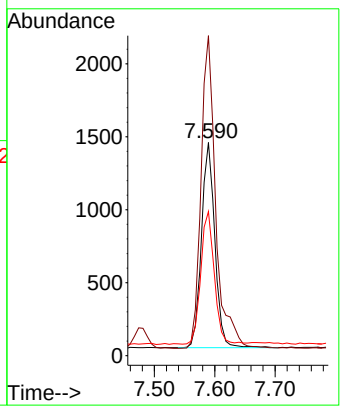


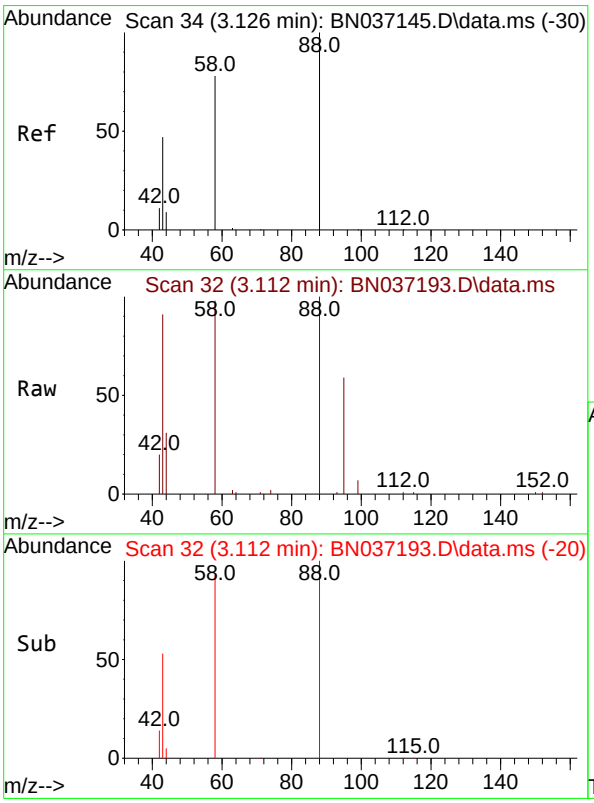
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 2169

Ion	Ratio	Lower	Upper
152	100		
150	150.2	123.2	184.8
115	67.7	56.6	85.0

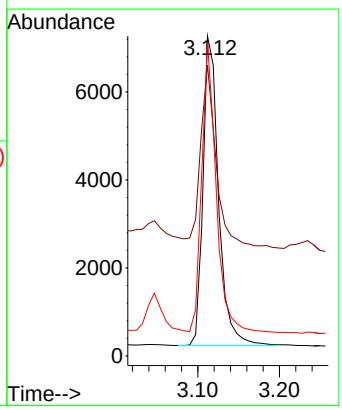


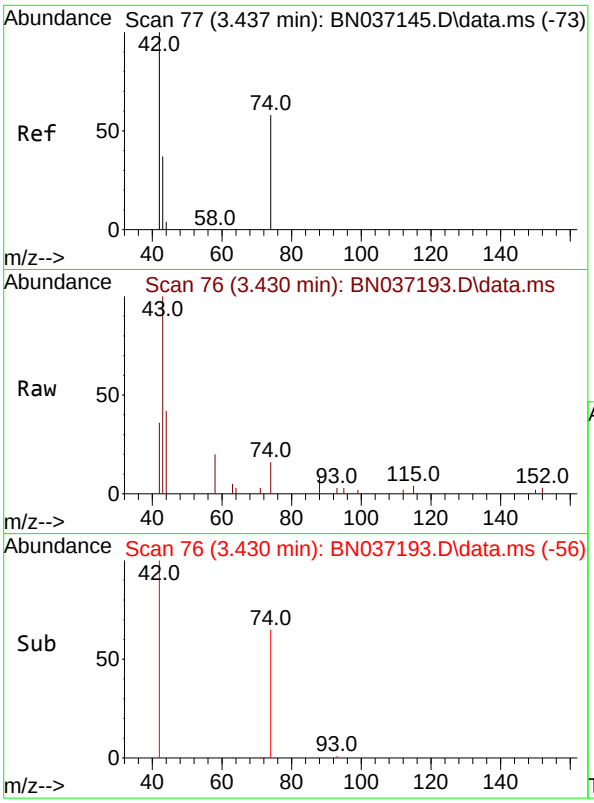


#2
1,4-Dioxane
Concen: 3.235 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.014 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion: 88 Resp: 9354

Ion	Ratio	Lower	Upper
88	100		
43	60.0	43.5	65.3
58	87.0	67.7	101.5



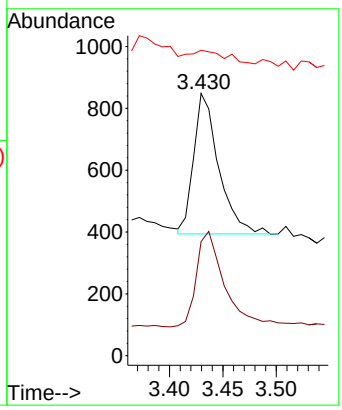


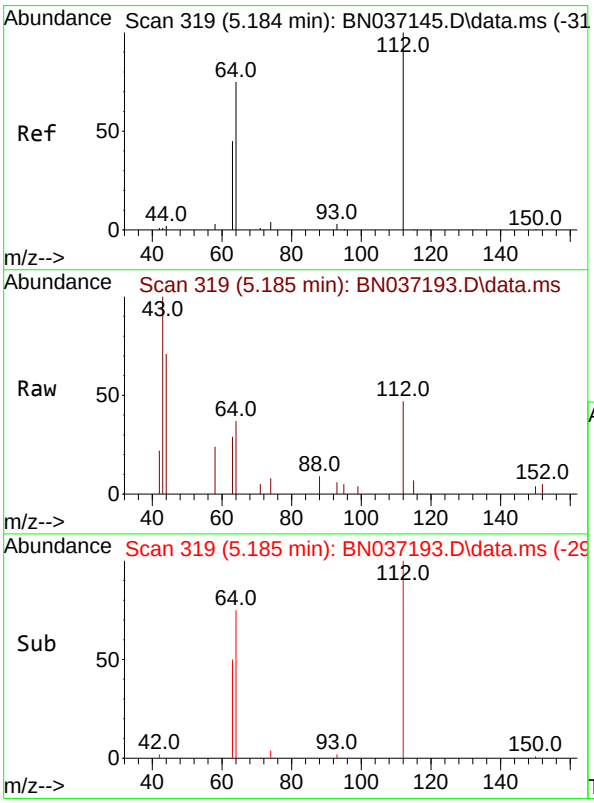
#3
n-Nitrosodimethylamine
Concen: 0.127 ng
RT: 3.430 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 740

Ion	Ratio	Lower	Upper
42	100		
74	80.4	53.0	79.4#
44	12.2	5.9	8.9#

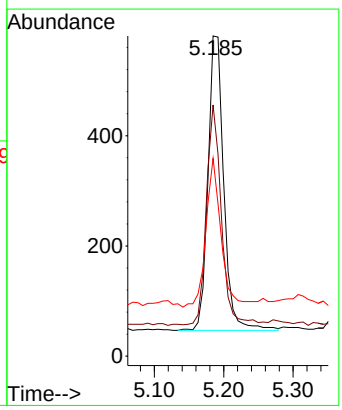


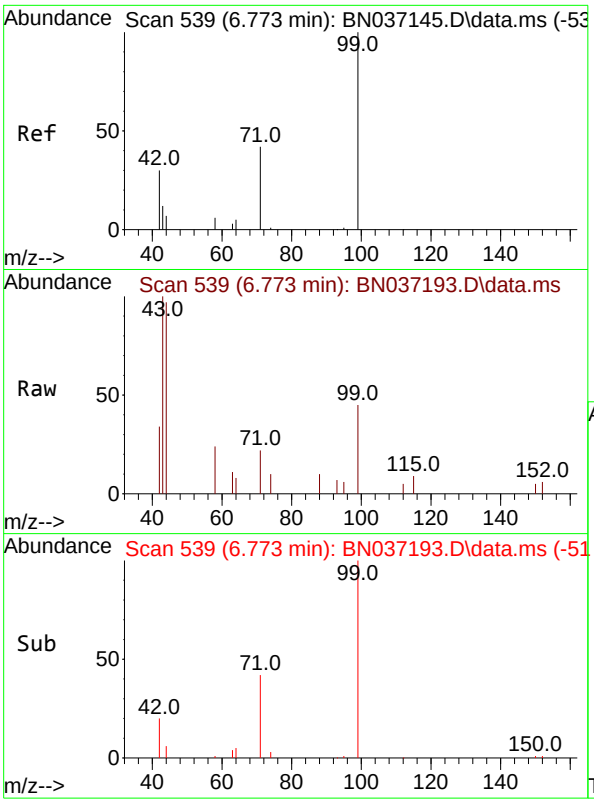


#4
2-Fluorophenol
Concen: 0.157 ng
RT: 5.185 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:112 Resp: 842

Ion	Ratio	Lower	Upper
112	100		
64	71.9	56.3	84.5
63	48.2	36.2	54.4



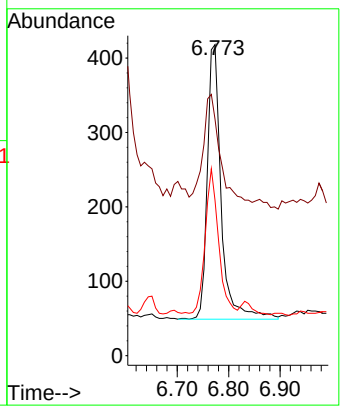


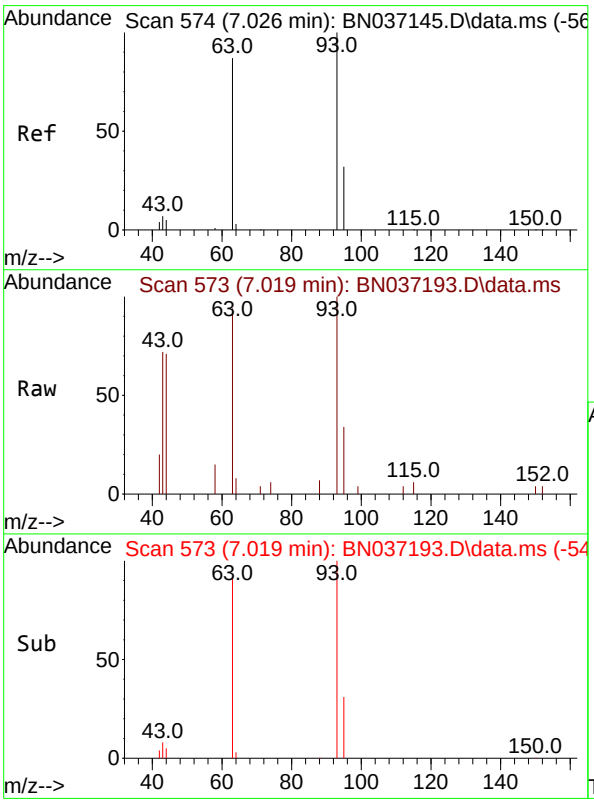
#5
Phenol-d6
Concen: 0.106 ng
RT: 6.773 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 692

Ion	Ratio	Lower	Upper
99	100		
42	46.7	31.3	46.9
71	51.4	38.2	57.2

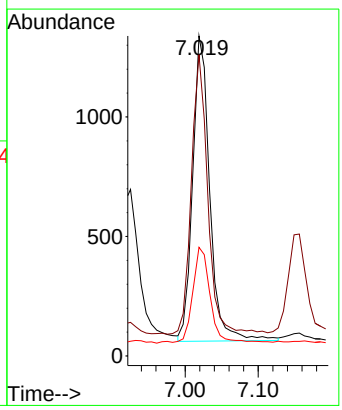


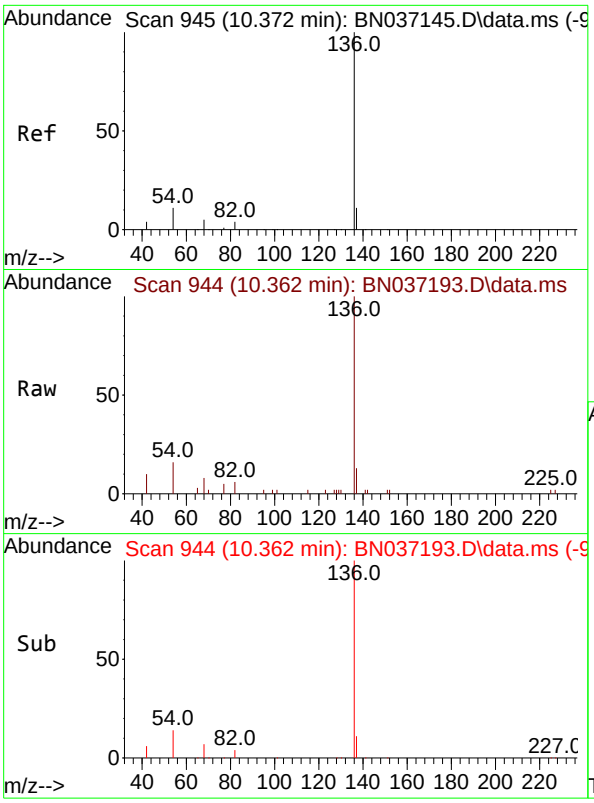


#6
bis(2-Chloroethyl)ether
Concen: 0.336 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion: 93 Resp: 2082

Ion	Ratio	Lower	Upper
93	100		
63	87.8	68.6	103.0
95	32.5	24.3	36.5



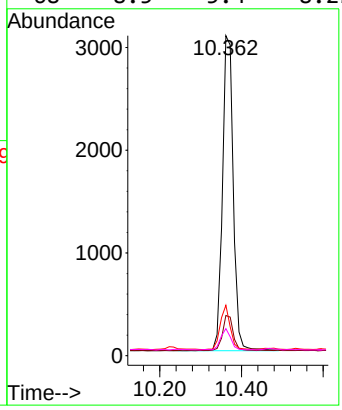


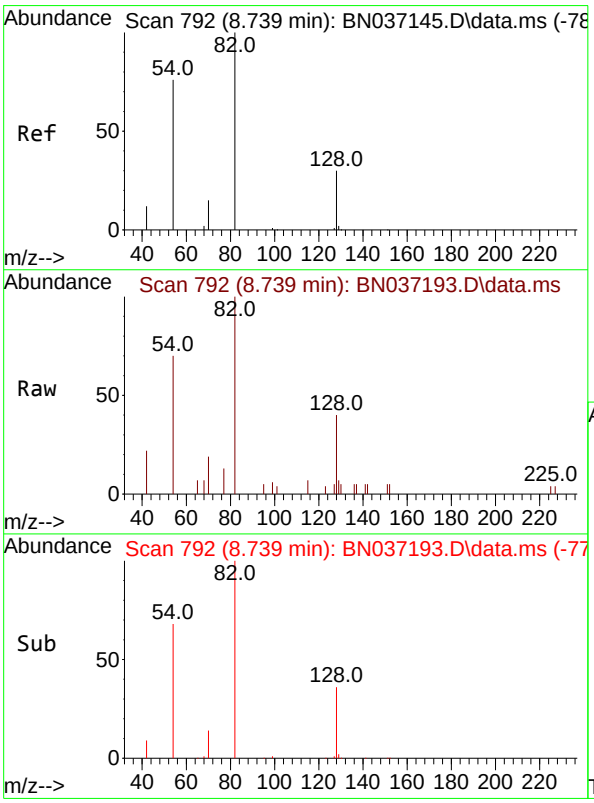
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 5646

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	15.8	9.7	14.5#
68	8.5	5.4	8.2#

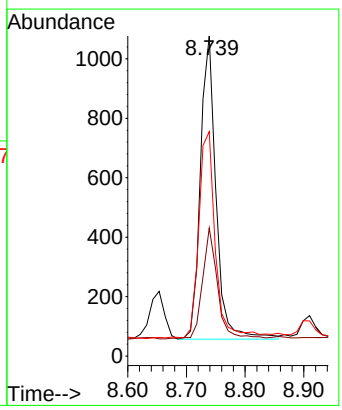


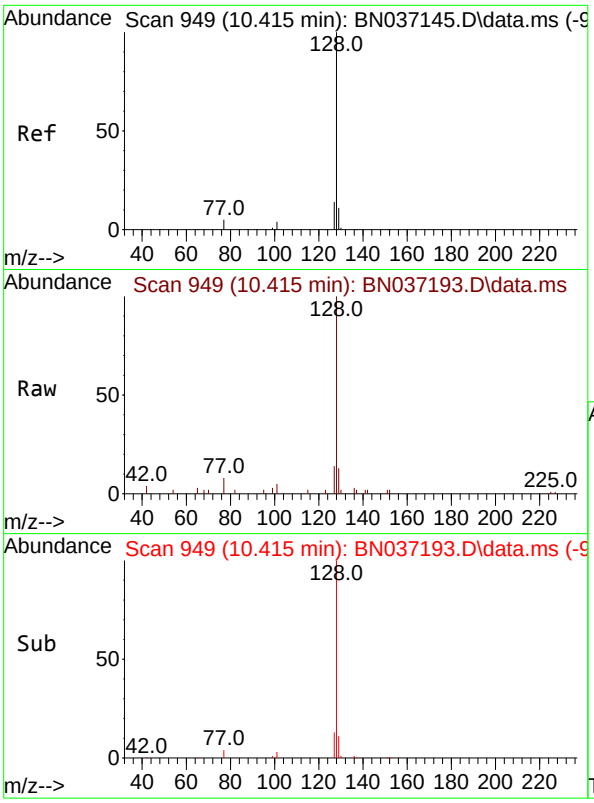


#8
Nitrobenzene-d5
Concen: 0.318 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion: 82 Resp: 1894

Ion	Ratio	Lower	Upper
82	100		
128	40.0	26.9	40.3
54	70.1	61.4	92.2



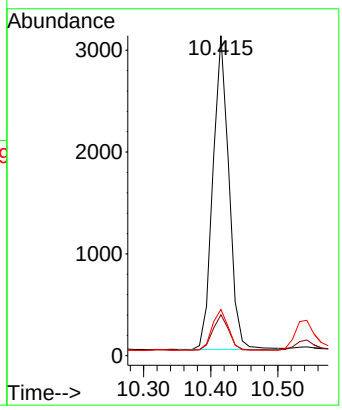


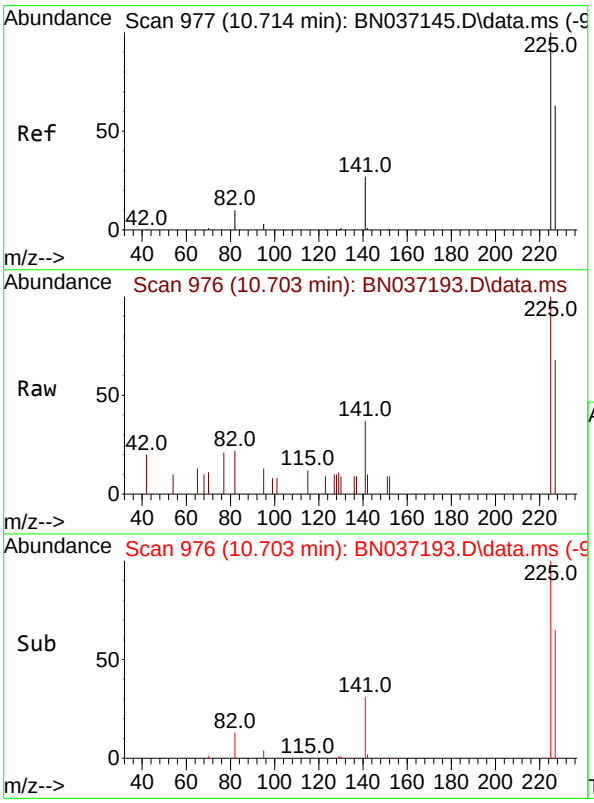
#9
Naphthalene
Concen: 0.314 ng
RT: 10.415 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 5110

Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.8	14.8
127	14.5	12.3	18.5

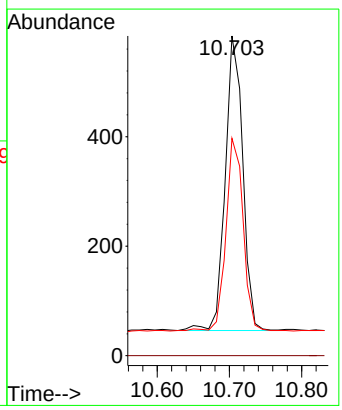


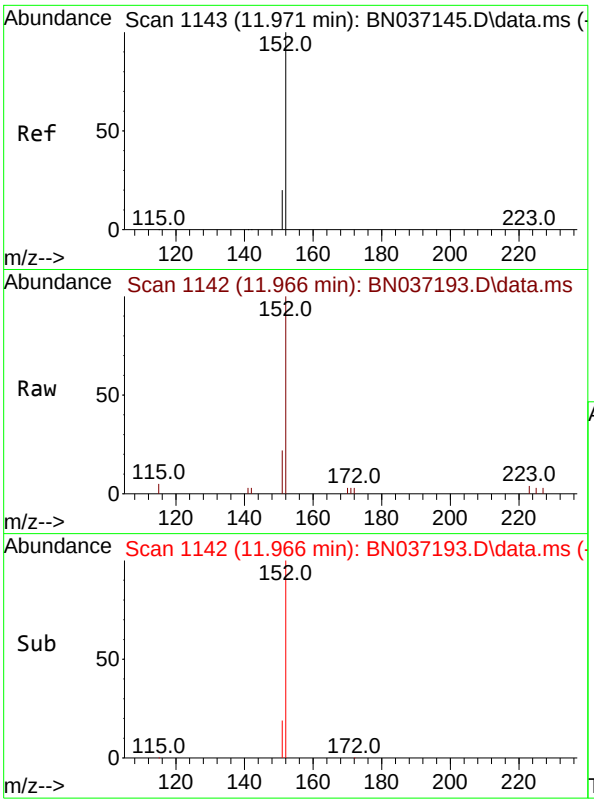


#10
Hexachlorobutadiene
Concen: 0.255 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:225 Resp: 906

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	50.3	75.5



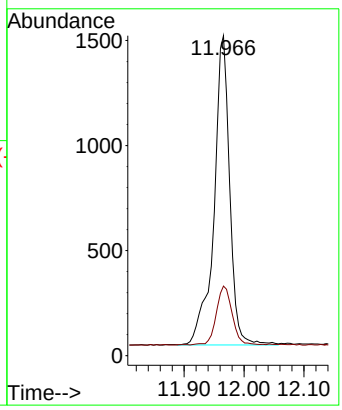


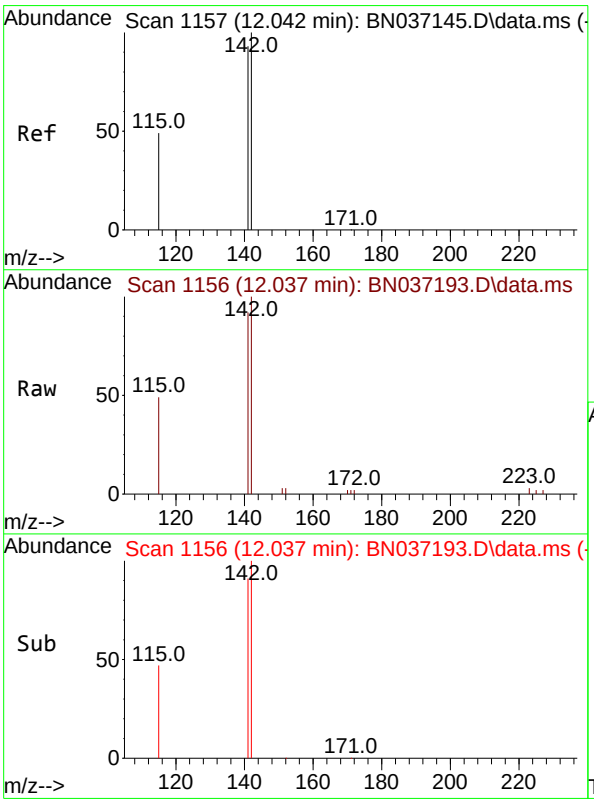
#11
2-Methylnaphthalene-d10
Concen: 0.341 ng
RT: 11.966 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 2680

Ion	Ratio	Lower	Upper
152	100		
151	19.1	17.1	25.7

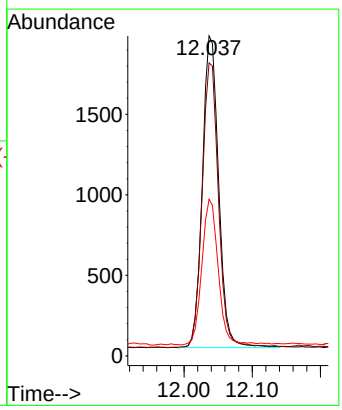


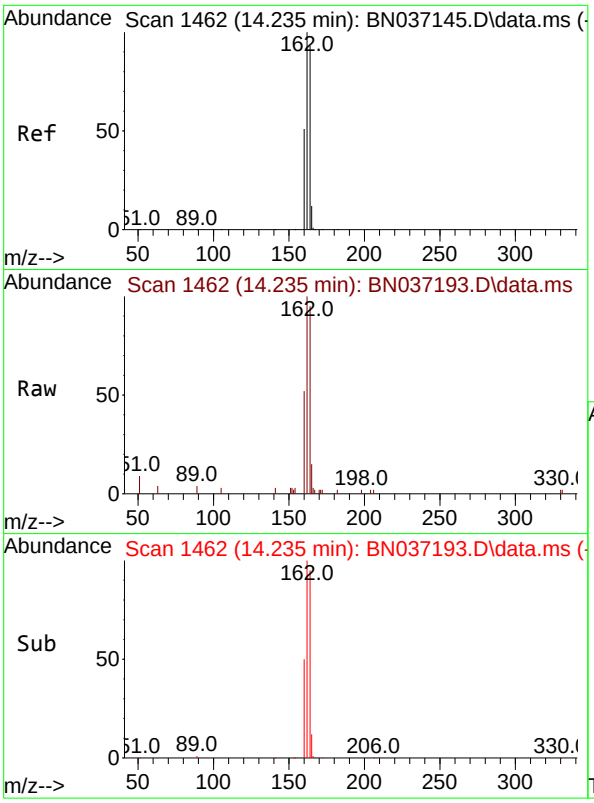


#12
2-Methylnaphthalene
Concen: 0.307 ng
RT: 12.037 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:142 Resp: 3210

Ion	Ratio	Lower	Upper
142	100		
141	91.6	74.6	111.8
115	48.9	41.0	61.4



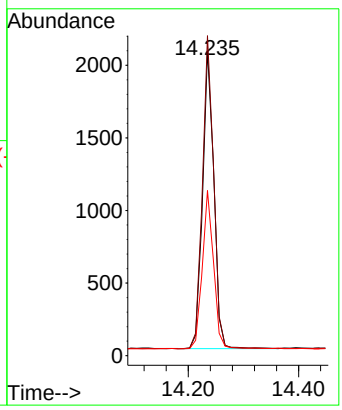


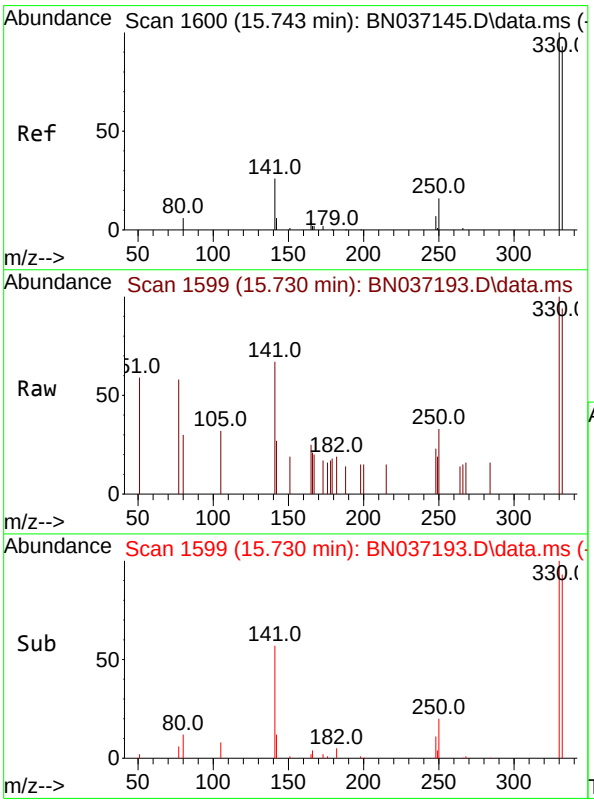
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 2926

Ion	Ratio	Lower	Upper
164	100		
162	105.1	85.5	128.3
160	54.2	44.6	67.0

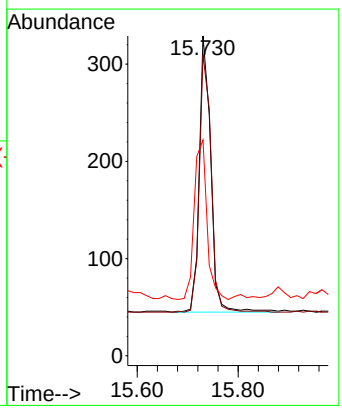


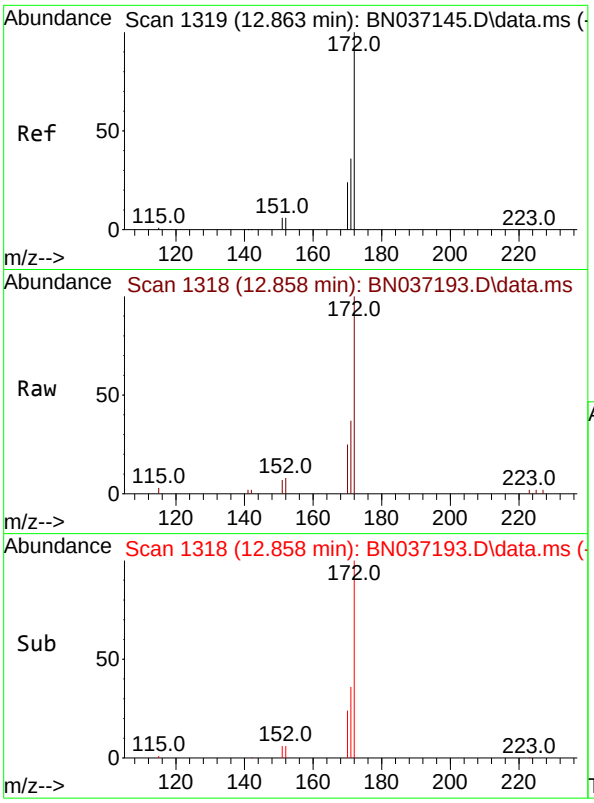


#14
2,4,6-Tribromophenol
Concen: 0.383 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:330 Resp: 451

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	63.6	46.4	69.6



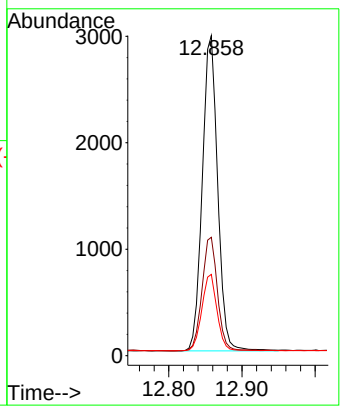


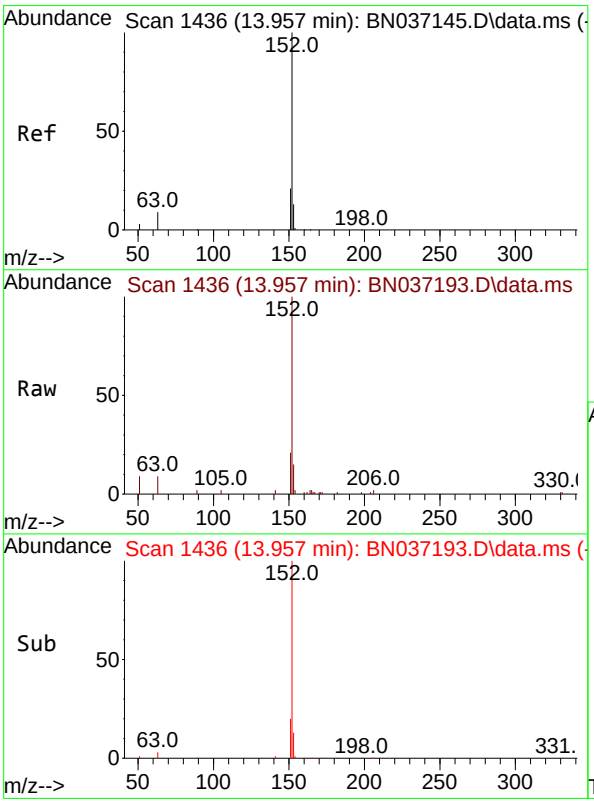
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.858 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 4311

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	25.4	20.3	30.5

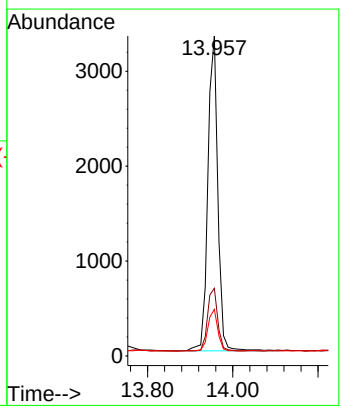


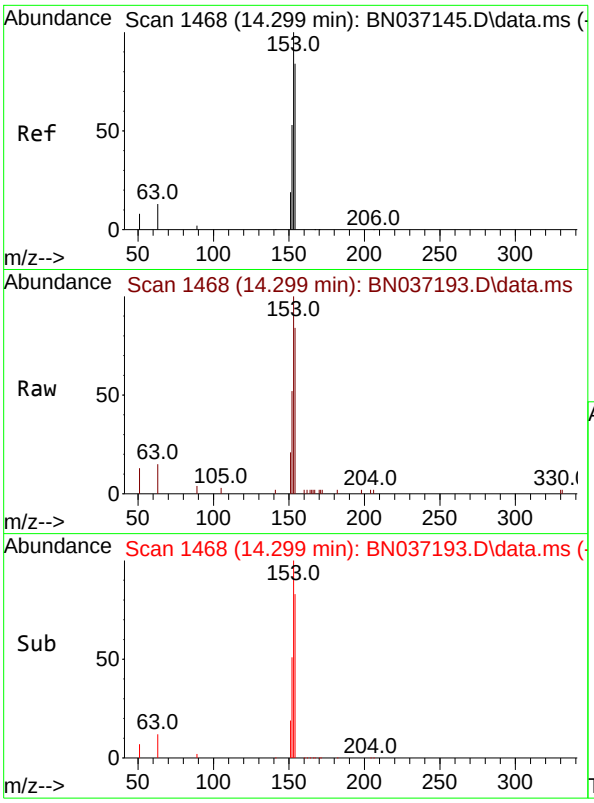


#16
Acenaphthylene
Concen: 0.372 ng
RT: 13.957 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:152 Resp: 5333

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.4	10.6	15.8



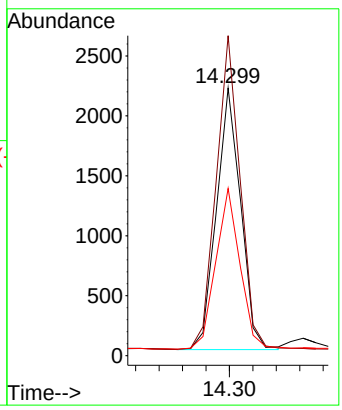


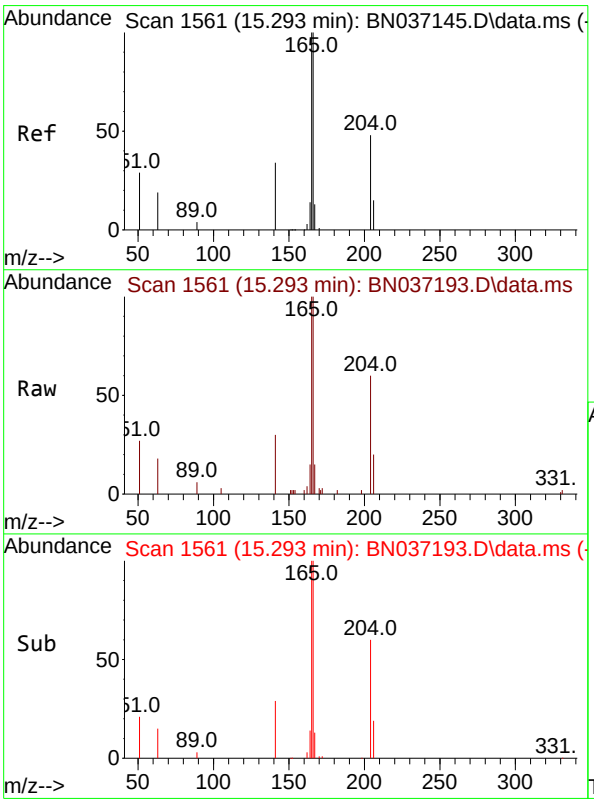
#17
Acenaphthene
Concen: 0.336 ng
RT: 14.299 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 3131

Ion	Ratio	Lower	Upper
154	100		
153	118.6	93.8	140.8
152	62.3	50.5	75.7

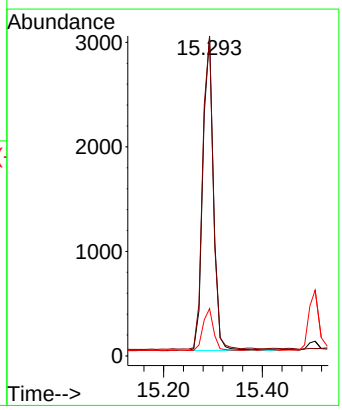


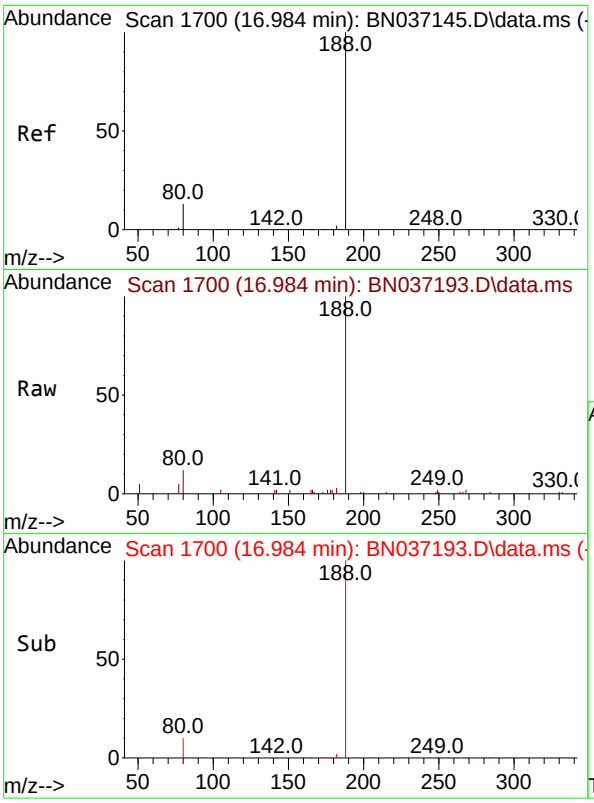


#18
Fluorene
Concen: 0.365 ng
RT: 15.293 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:166 Resp: 4472

Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.1	121.7
167	13.3	10.8	16.2



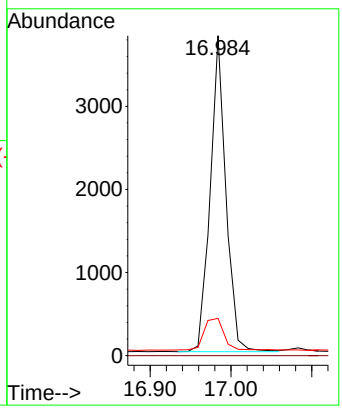


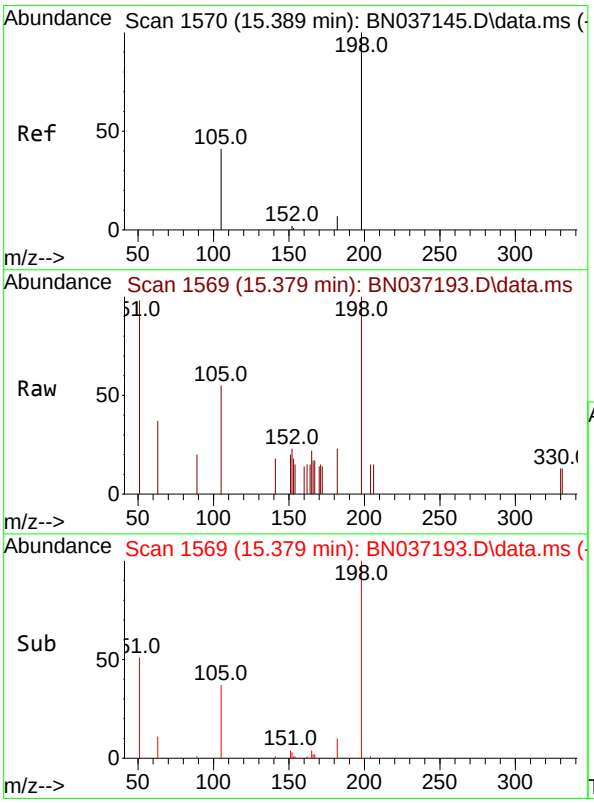
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 5139

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	11.3	16.9

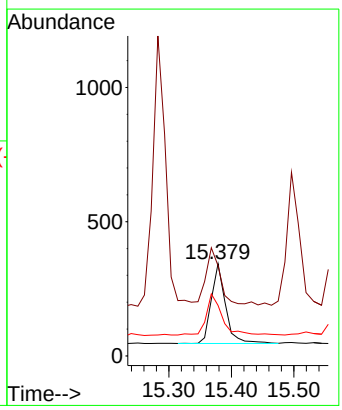


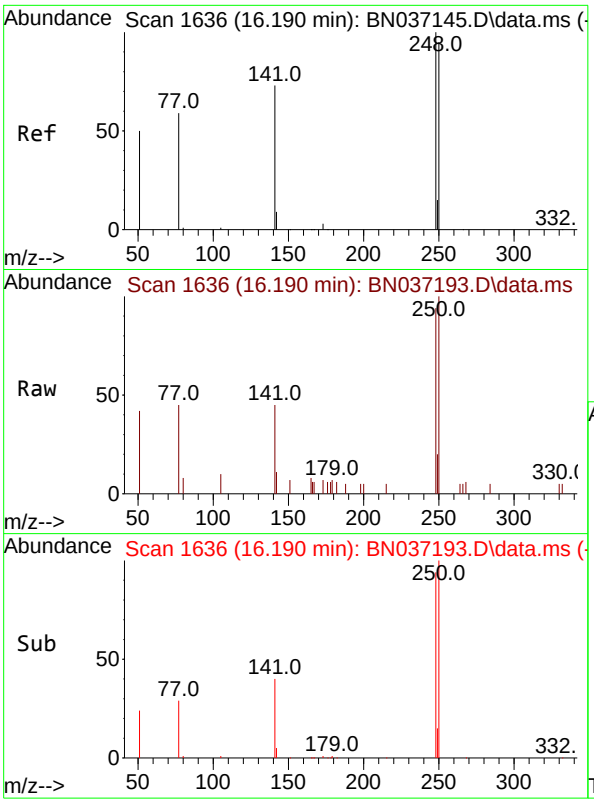


#20
4,6-Dinitro-2-methylphenol
Concen: 0.587 ng
RT: 15.379 min Scan# 1569
Delta R.T. -0.010 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:198 Resp: 471

Ion	Ratio	Lower	Upper
198	100		
51	97.7	125.2	187.8#
105	54.7	57.1	85.7#



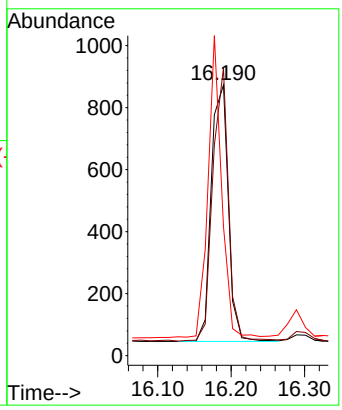


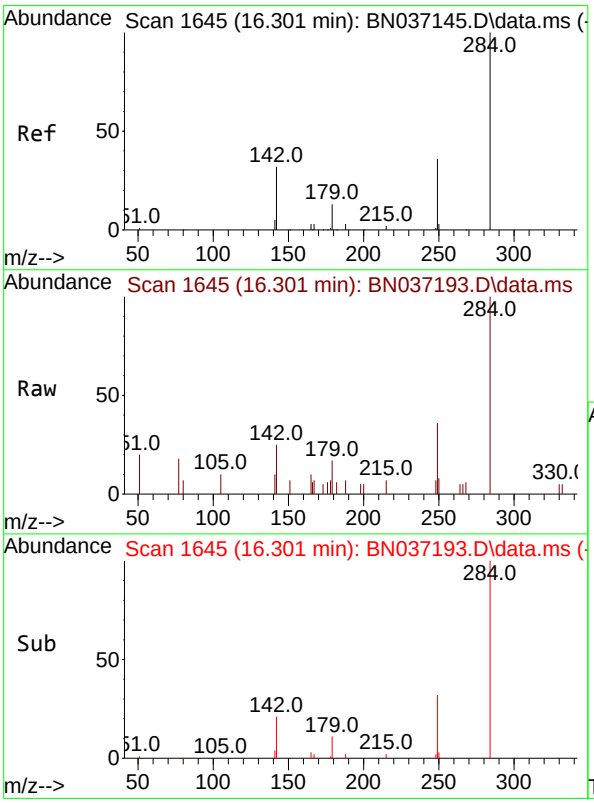
#21
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 1330

Ion	Ratio	Lower	Upper
248	100		
250	106.3	76.1	114.1
141	47.8	60.1	90.1#

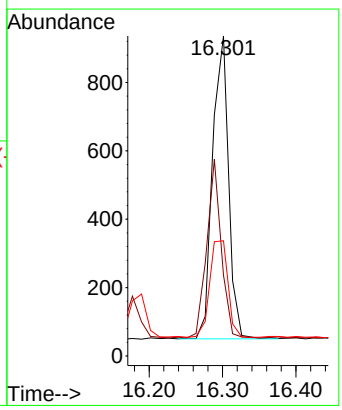


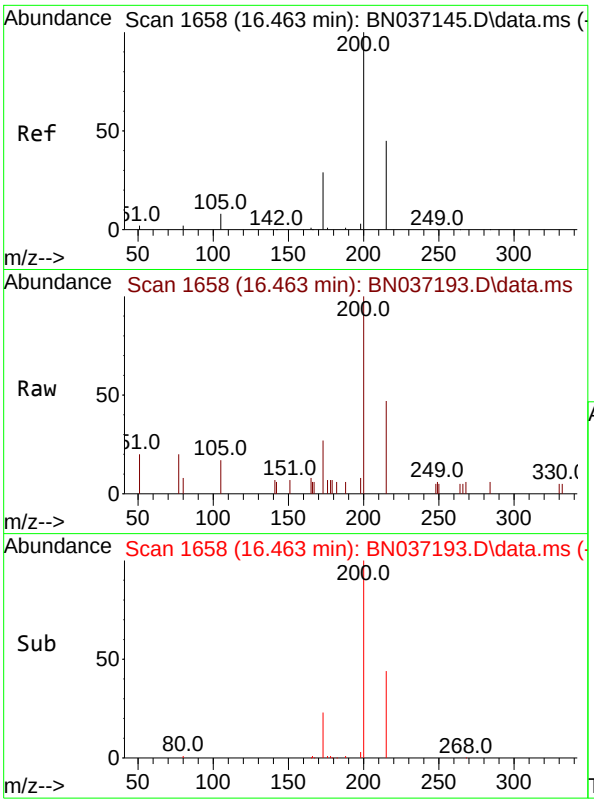


#22
Hexachlorobenzene
Concen: 0.369 ng
RT: 16.301 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:284 Resp: 1342

Ion	Ratio	Lower	Upper
284	100		
142	53.1	44.0	66.0
249	36.2	29.7	44.5



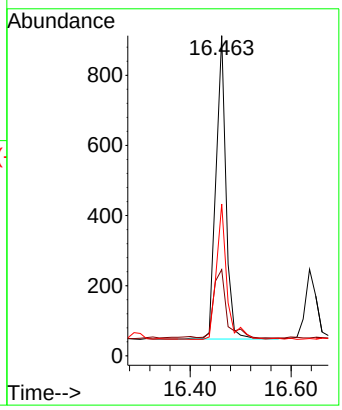


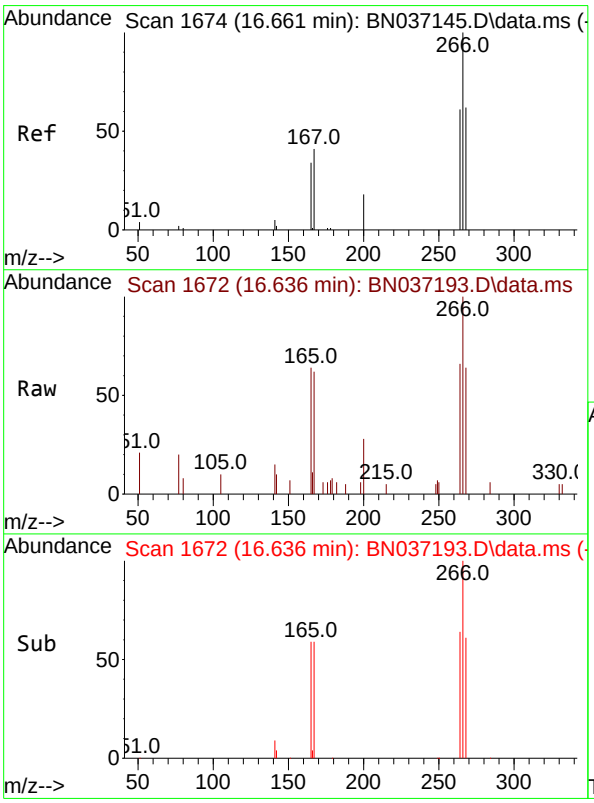
#23
Atrazine
Concen: 0.426 ng
RT: 16.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:200 Resp: 1184

Ion	Ratio	Lower	Upper
200	100		
173	26.9	28.1	42.1#
215	47.4	39.3	58.9

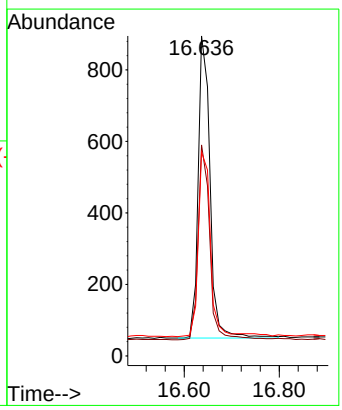


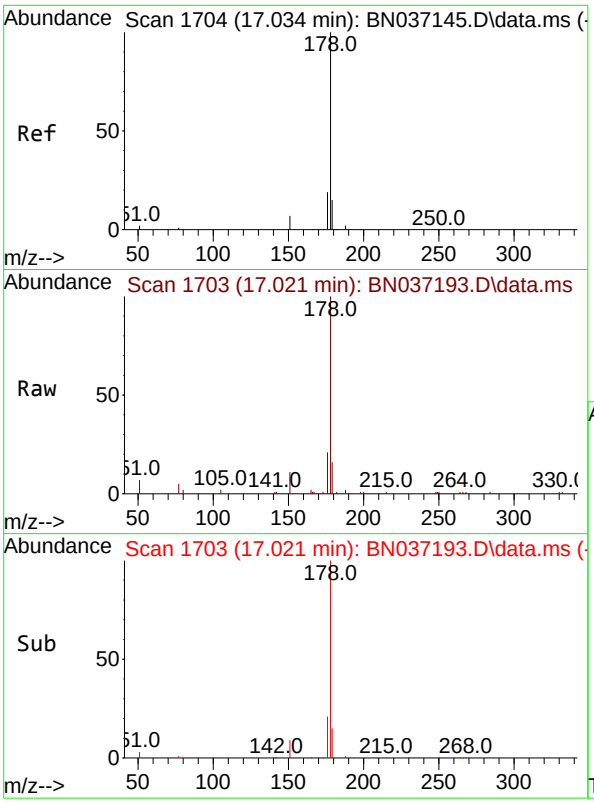


#24
Pentachlorophenol
Concen: 0.888 ng
RT: 16.636 min Scan# 1672
Delta R.T. -0.025 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:266 Resp: 1464

Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.3	73.9
268	62.1	49.0	73.4



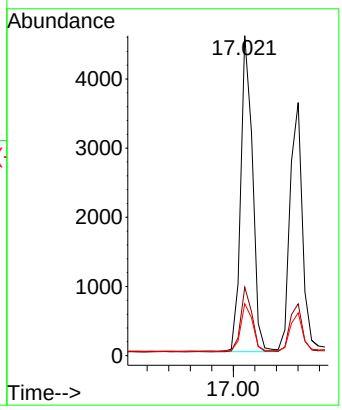


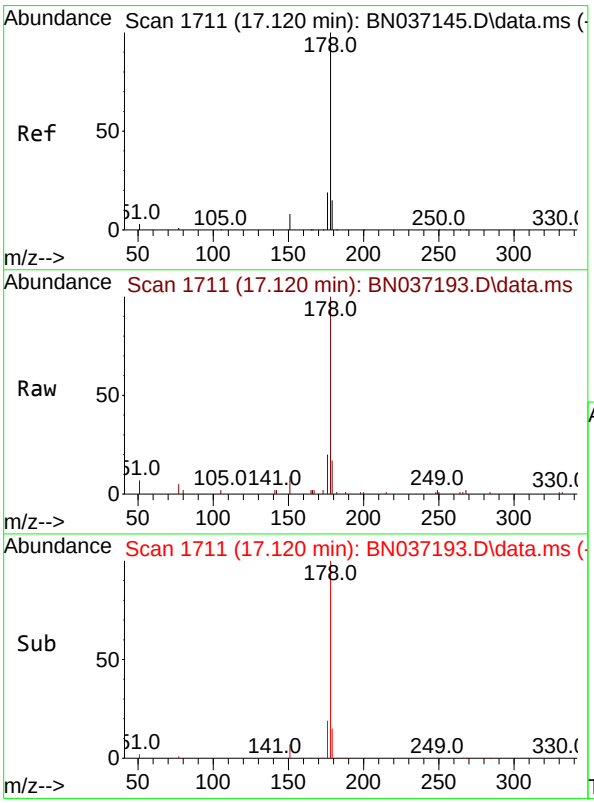
#25
Phenanthrene
Concen: 0.416 ng
RT: 17.021 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 6930

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	15.1	12.3	18.5

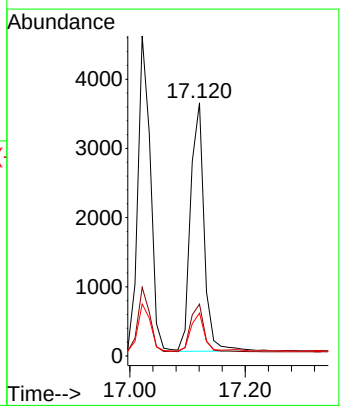


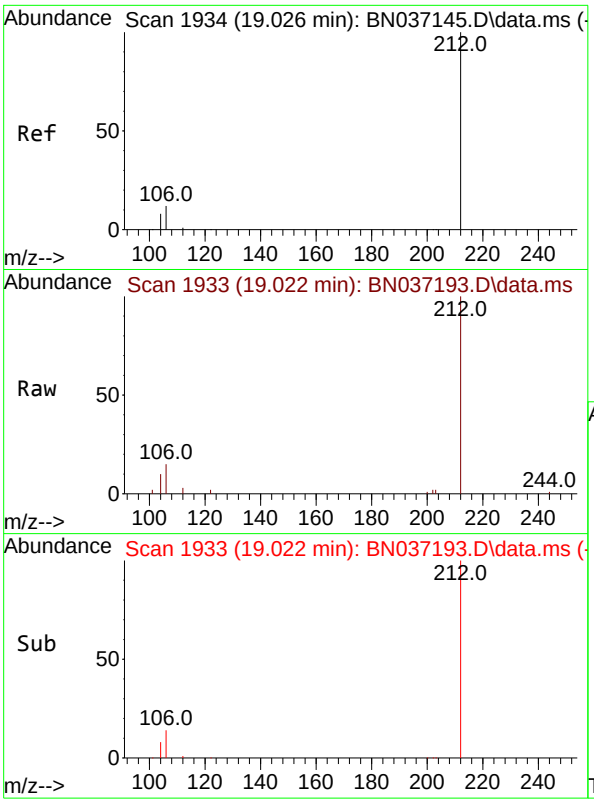


#26
Anthracene
Concen: 0.387 ng
RT: 17.120 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:178 Resp: 5874

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	14.7	12.9	19.3



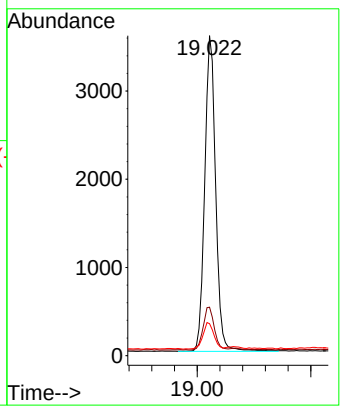


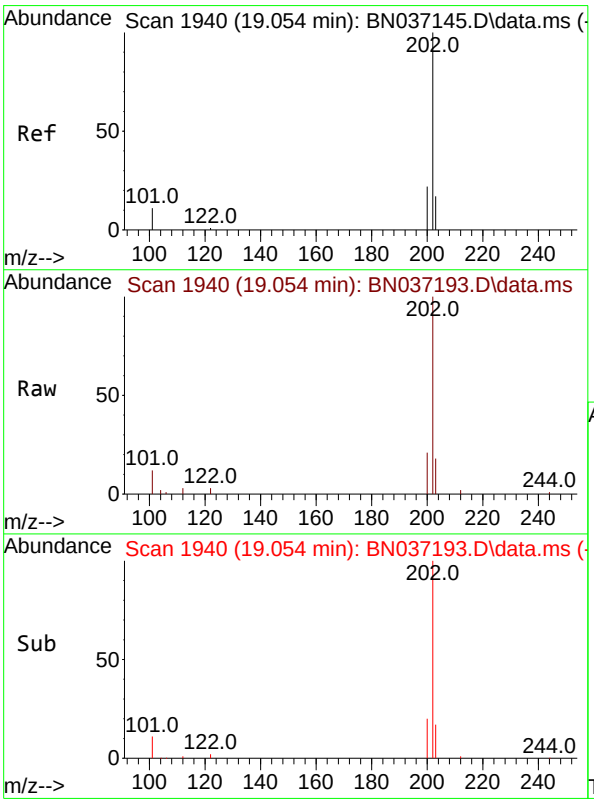
#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 4775

Ion	Ratio	Lower	Upper
212	100		
106	13.6	10.6	15.8
104	8.3	6.6	9.8

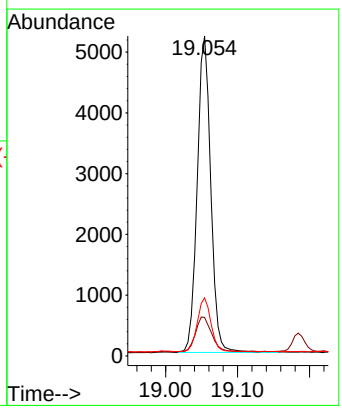


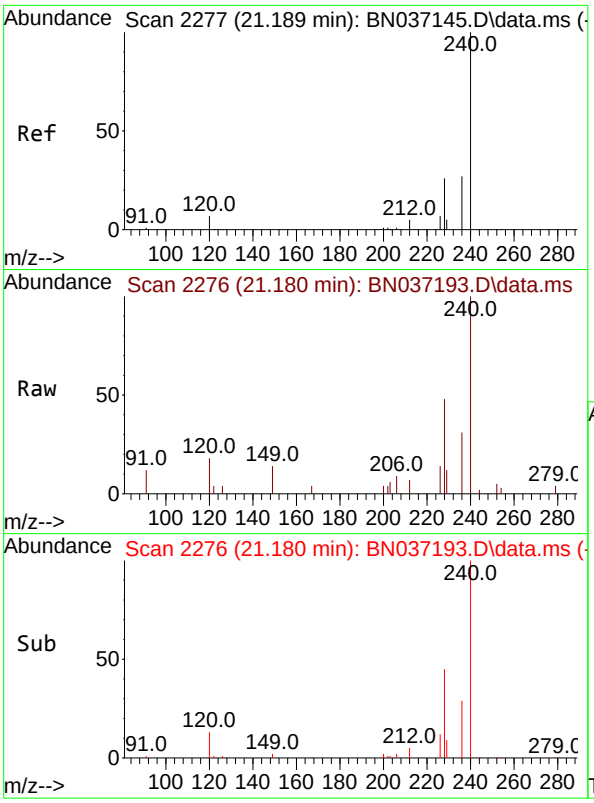


#28
Fluoranthene
Concen: 0.370 ng
RT: 19.054 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:202 Resp: 6813

Ion	Ratio	Lower	Upper
202	100		
101	13.6	8.7	13.1#
203	17.2	13.5	20.3



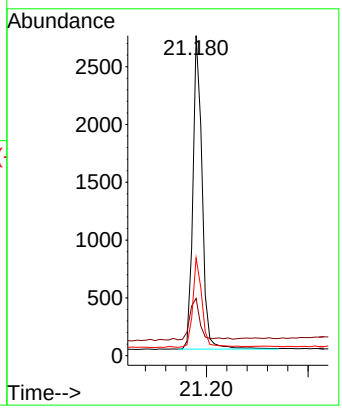


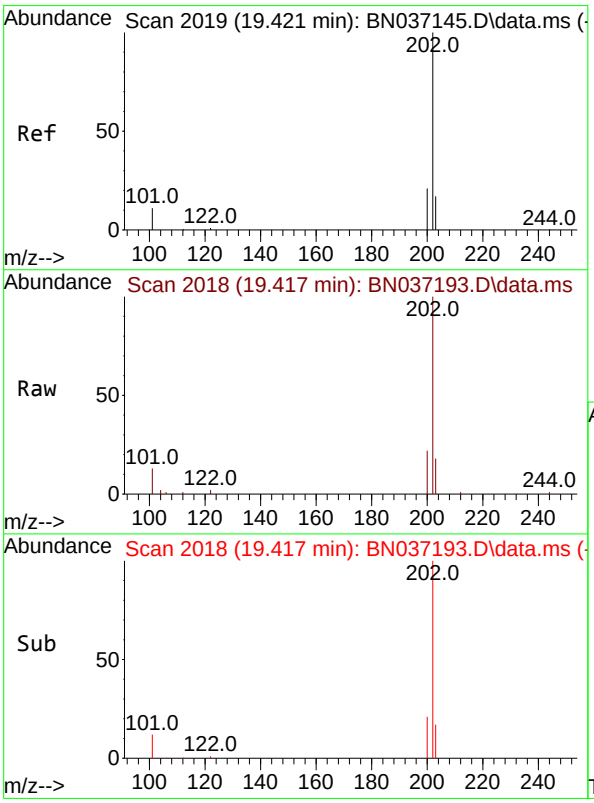
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 3419

Ion	Ratio	Lower	Upper
240	100		
120	17.9	9.0	13.4#
236	30.6	23.0	34.4

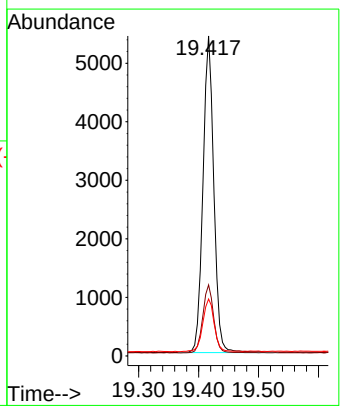


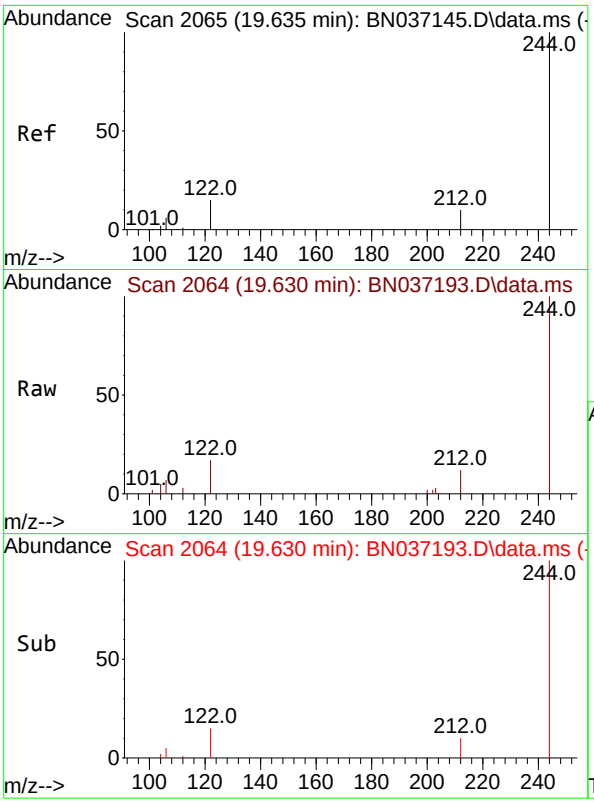


#30
Pyrene
Concen: 0.409 ng
RT: 19.417 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:202 Resp: 6824

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.6	14.2	21.4



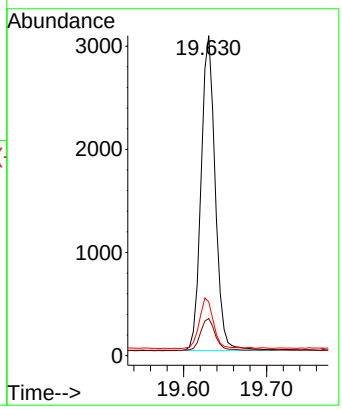


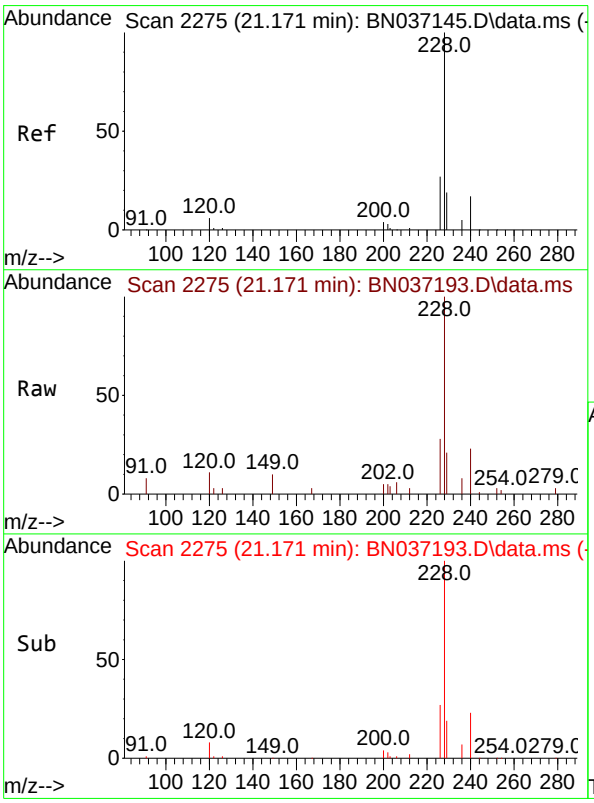
#31
Terphenyl-d14
Concen: 0.452 ng
RT: 19.630 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 3637

Ion	Ratio	Lower	Upper
244	100		
212	11.6	10.0	15.0
122	16.8	13.2	19.8

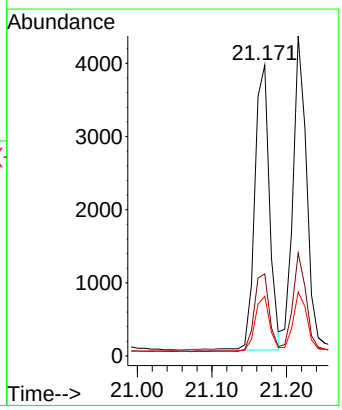


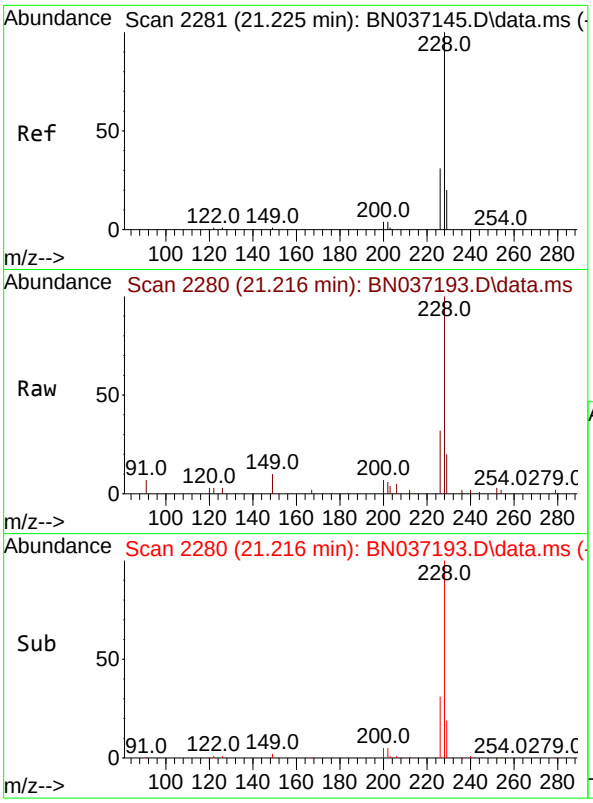


#32
Benzo(a)anthracene
Concen: 0.431 ng
RT: 21.171 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:228 Resp: 5337

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.5	16.2	24.2



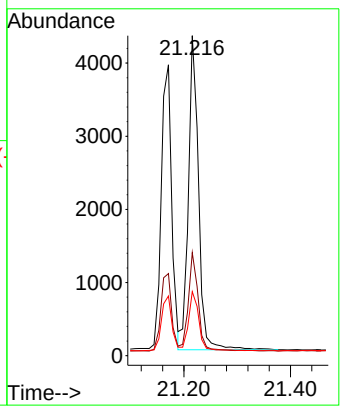


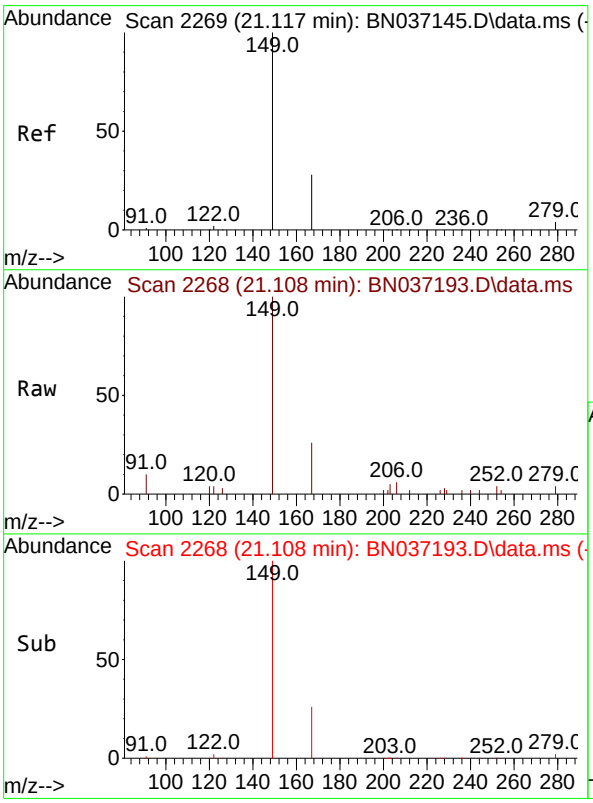
#33
Chrysene
Concen: 0.412 ng
RT: 21.216 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 5681

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.2	37.8
229	20.0	16.8	25.2

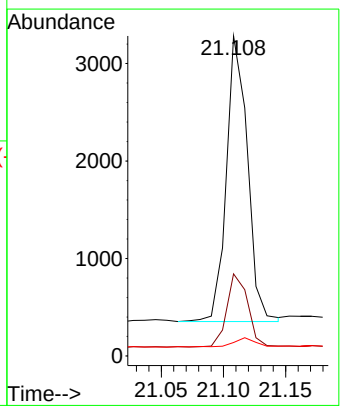


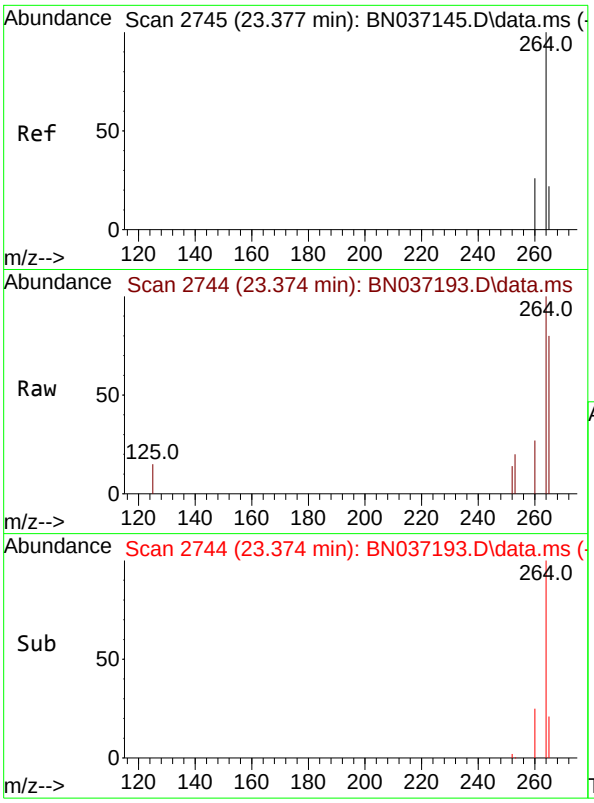


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.442 ng
RT: 21.108 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:149 Resp: 3448

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.4
279	3.7	2.9	4.3



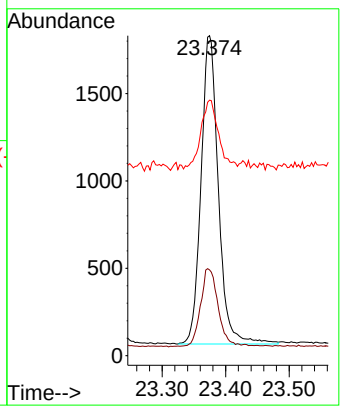


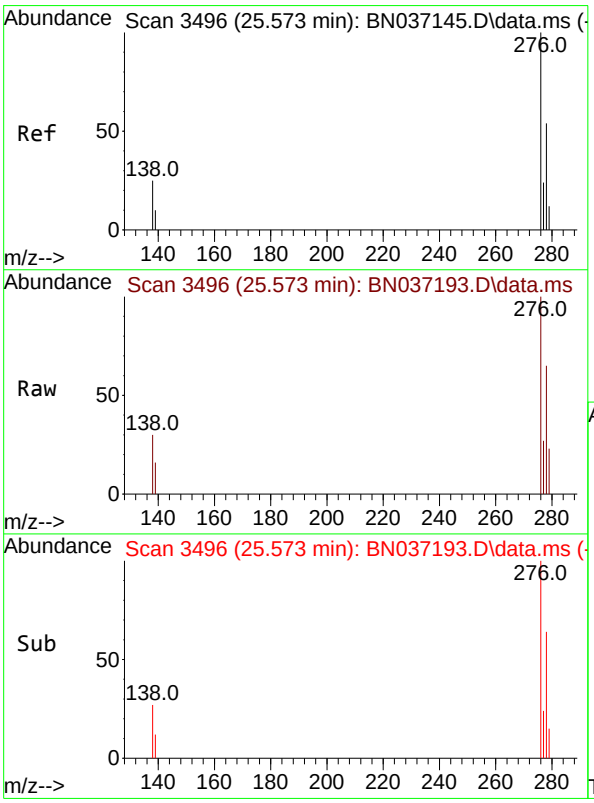
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.374 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 3336

Ion	Ratio	Lower	Upper
264	100		
260	26.8	22.1	33.1
265	79.8	55.8	83.8

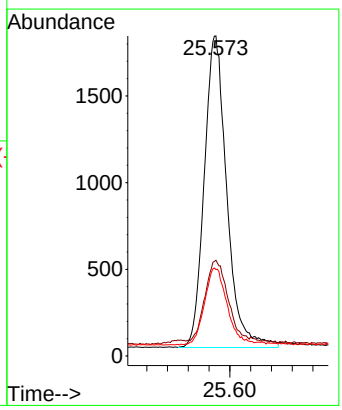


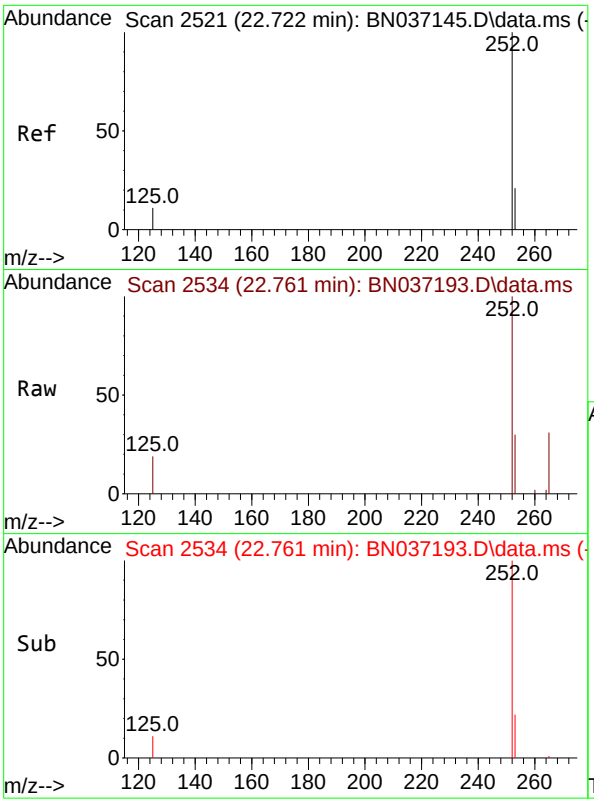


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.409 ng
RT: 25.573 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:276 Resp: 5422

Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.0	31.6
277	24.7	19.4	29.2



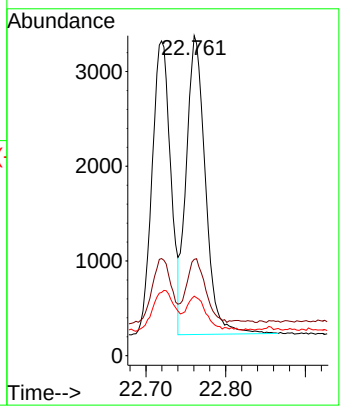


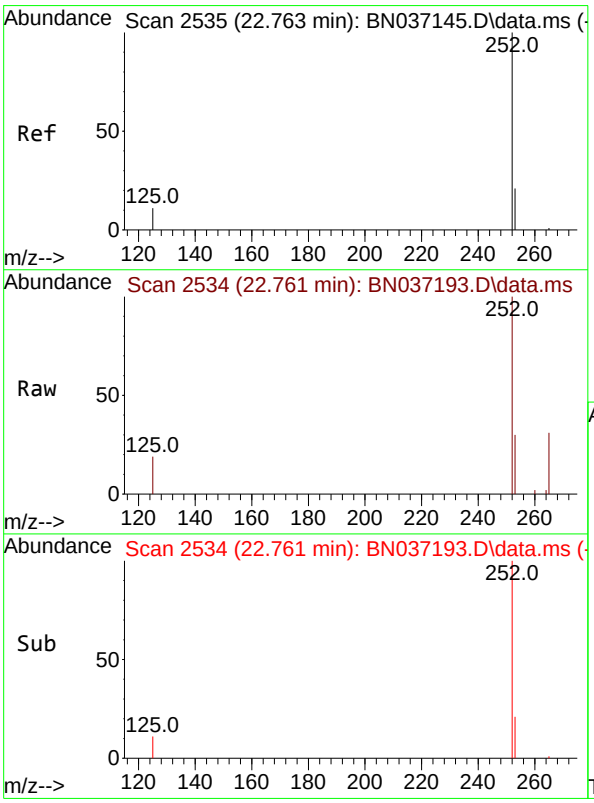
#37
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 22.761 min Scan# 2
Delta R.T. 0.038 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 5262

Ion	Ratio	Lower	Upper
252	100		
253	30.1	22.3	33.5
125	18.6	13.2	19.8

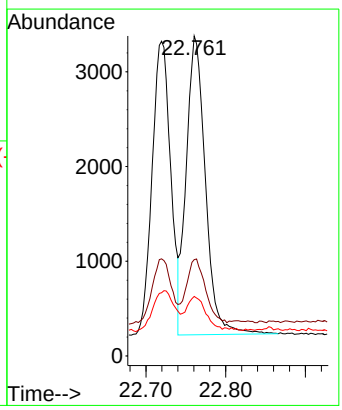


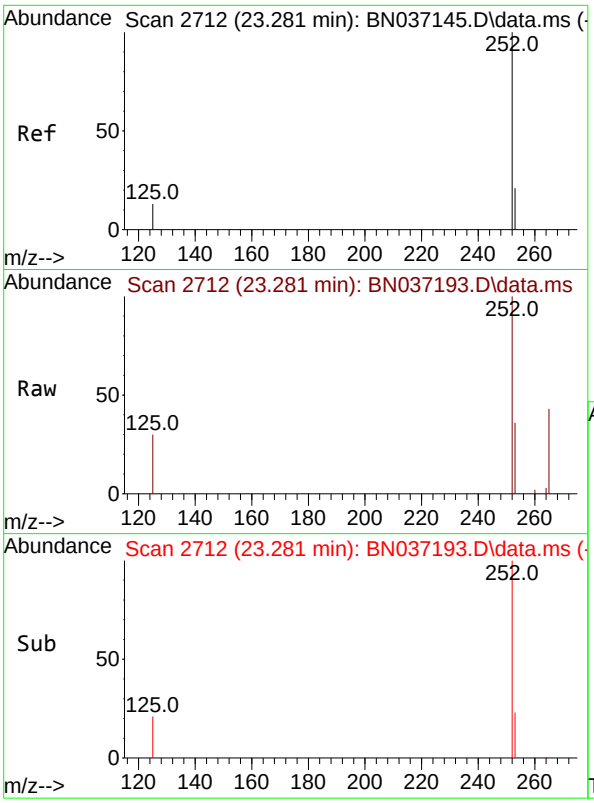


#38
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 22.761 min Scan# 2534
Delta R.T. -0.003 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:252 Resp: 5262

Ion	Ratio	Lower	Upper
252	100		
253	30.1	22.2	33.4
125	18.6	13.2	19.8



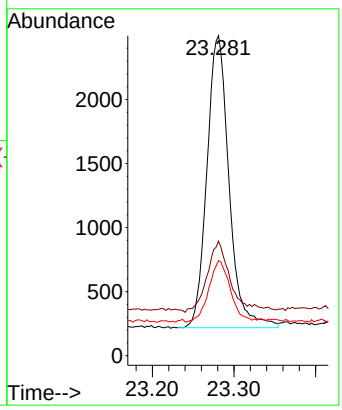


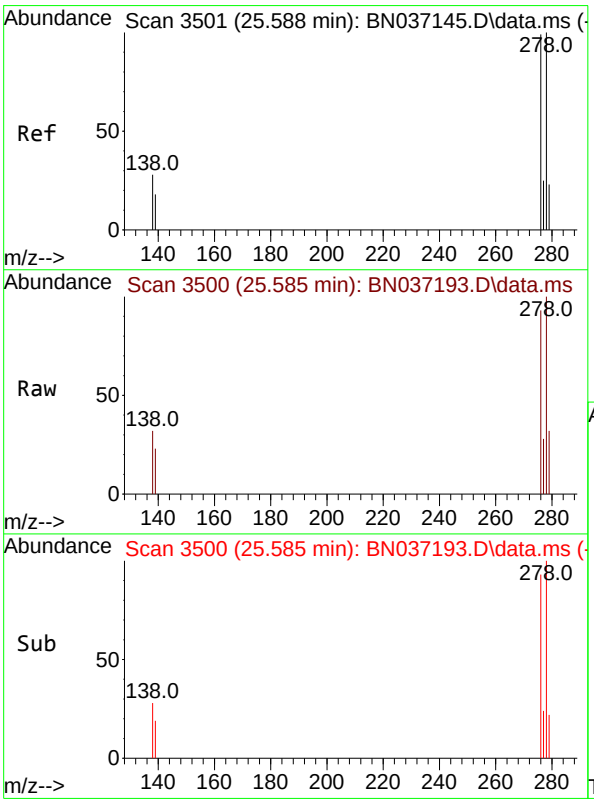
#39
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.281 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 4286

Ion	Ratio	Lower	Upper
252	100		
253	35.8	25.0	37.4
125	29.7	17.0	25.6#

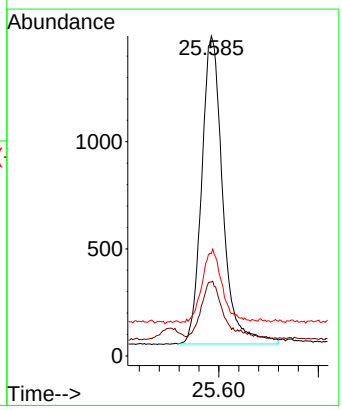


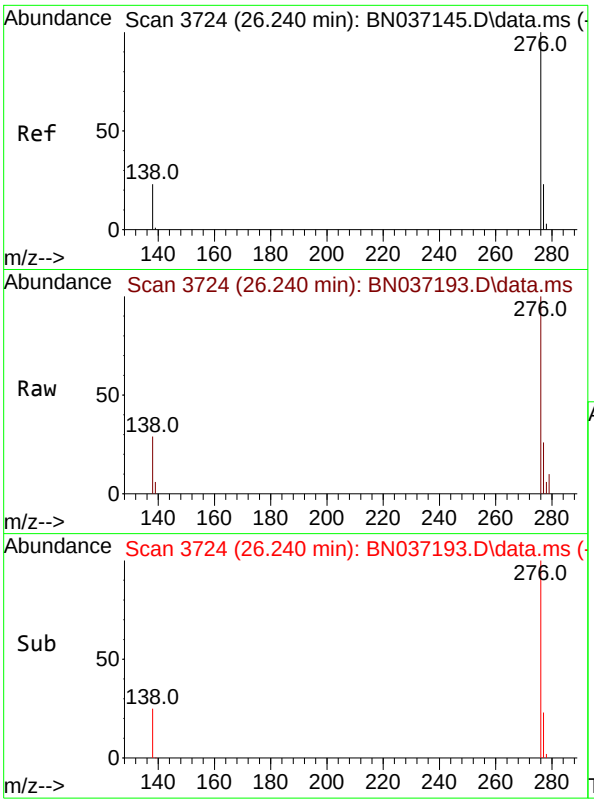


#40
Dibenzo(a,h)anthracene
Concen: 0.414 ng
RT: 25.585 min Scan# 3500
Delta R.T. -0.003 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:278 Resp: 4235

Ion	Ratio	Lower	Upper
278	100		
139	23.1	17.6	26.4
279	32.0	26.0	39.0





#41
Benzo(g,h,i)perylene
Concen: 0.383 ng
RT: 26.240 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 4499

Ion	Ratio	Lower	Upper
276	100		
277	26.5	20.9	31.3
138	28.6	20.8	31.2