Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092625\
Data File : BN037925.D
Acq On : 26 Sep 2025 14:56
Operator : RC/JU
Sample : PB169839BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Quant Time: Sep 26 15:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	6474	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	17960	0.400	ng	# 0.00
13) Acenaphthene-d10	14.473	164	8983	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	18517	0.400	ng	0.00
29) Chrysene-d12	21.411	240	16130	0.400	ng	# 0.00
35) Perylene-d12	23.736	264	14729	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	5608	0.380	ng	0.01
5) Phenol-d6	6.981	99	7119	0.367	ng	0.00
8) Nitrobenzene-d5	8.971	82	5079	0.371	ng	0.00
11) 2-Methylnaphthalene-d10	12.223	152	9180	0.368	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1148	0.337	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	14116	0.384	ng	0.01
27) Fluoranthene-d10	19.257	212	16857	0.362	ng	0.00
31) Terphenyl-d14	19.857	244	12134	0.378	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	1989	0.303	ng	# 67
3) n-Nitrosodimethylamine	3.601	42	3004	0.344	ng	# 95
6) bis(2-Chloroethyl)ether	7.241	93	6814	0.378	ng	98
9) Naphthalene	10.680	128	18131	0.366	ng	99
10) Hexachlorobutadiene	10.979	225	3249	0.385	ng	# 100
12) 2-Methylnaphthalene	12.299	142	10326	0.319	ng	99
16) Acenaphthylene	14.195	152	15928	0.391	ng	100
17) Acenaphthene	14.537	154	10222	0.352	ng	99
18) Fluorene	15.523	166	13122	0.373	ng	99
20) 4,6-Dinitro-2-methylph...	15.597	198	749	0.382	ng	88
21) 4-Bromophenyl-phenylether	16.416	248	4285	0.355	ng	94
22) Hexachlorobenzene	16.540	284	5446	0.372	ng	99
23) Atrazine	16.689	200	3086	0.336	ng	97
24) Pentachlorophenol	16.876	266	2861	0.570	ng	96
25) Phenanthrene	17.260	178	22391	0.367	ng	99
26) Anthracene	17.360	178	19422	0.367	ng	100
28) Fluoranthene	19.285	202	23845	0.355	ng	100
30) Pyrene	19.648	202	23395	0.367	ng	100
32) Benzo(a)anthracene	21.393	228	21646	0.384	ng	100
33) Chrysene	21.447	228	23820	0.391	ng	99
34) Bis(2-ethylhexyl)phtha...	21.331	149	7854	0.352	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.119	276	27926	0.415	ng	99
37) Benzo(b)fluoranthene	23.034	252	23969	0.377	ng	99
38) Benzo(k)fluoranthene	23.078	252	24060	0.376	ng	99
39) Benzo(a)pyrene	23.633	252	19997	0.398	ng	99
40) Dibenzo(a,h)anthracene	26.133	278	21738	0.414	ng	99
41) Benzo(g,h,i)perylene	26.847	276	23570	0.427	ng	99

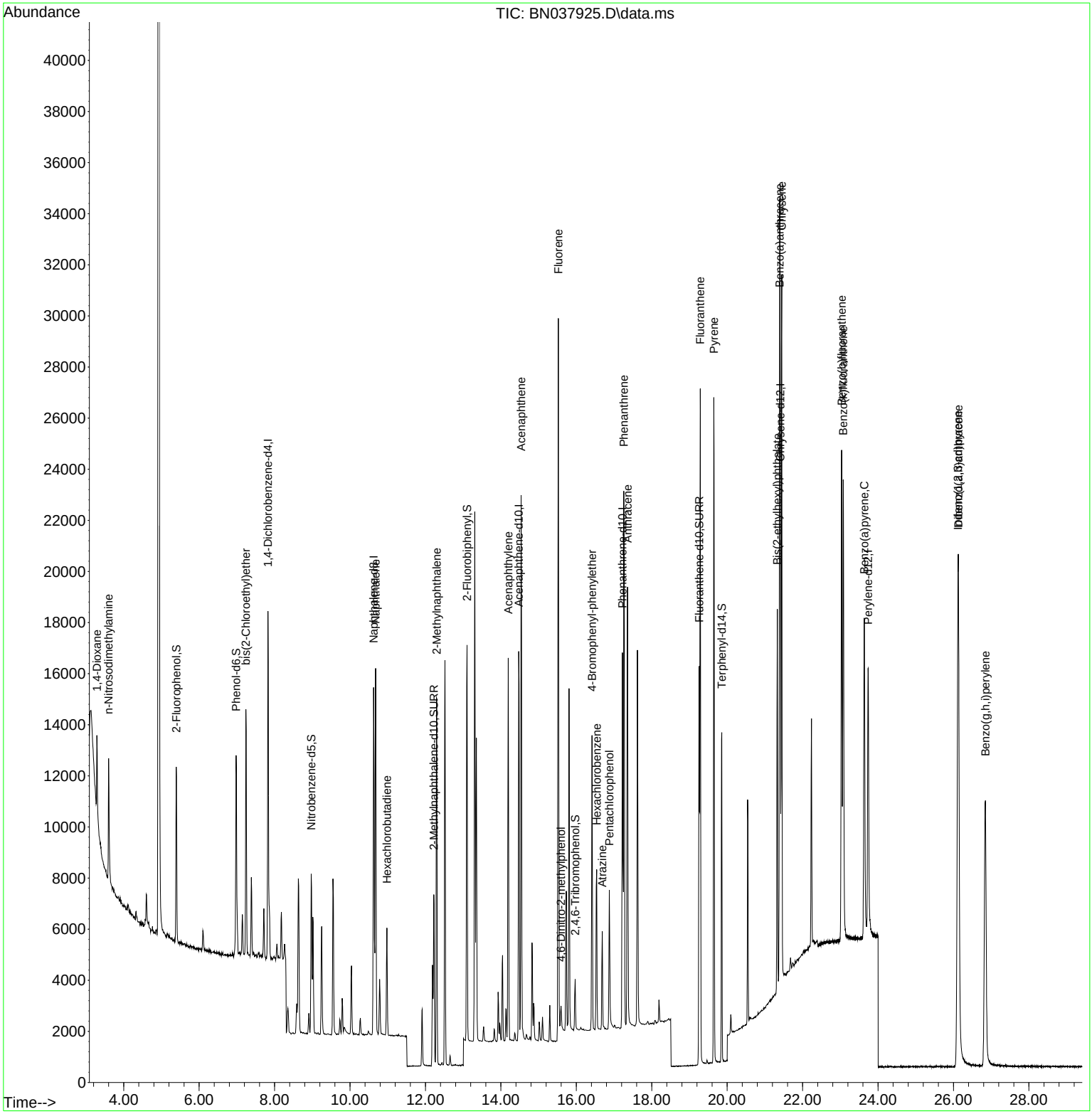
(#) = qualifier out of range (m) = manual integration (+) = signals summed

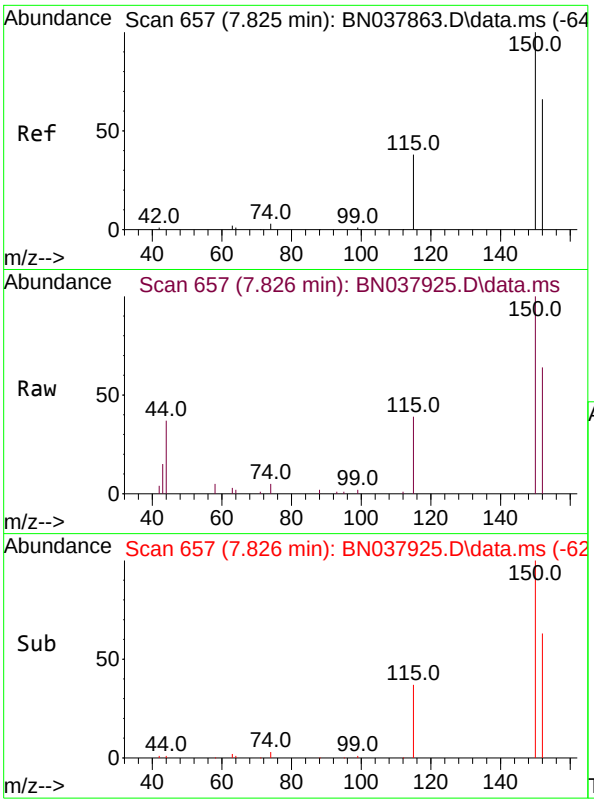
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092625\
Data File : BN037925.D
Acq On : 26 Sep 2025 14:56
Operator : RC/JU
Sample : PB169839BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Quant Time: Sep 26 15:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



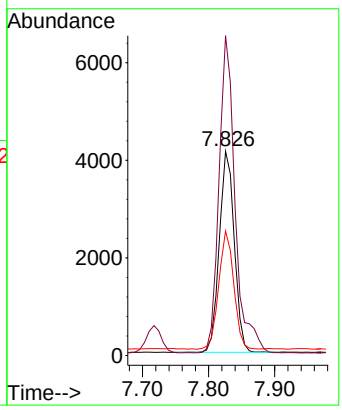


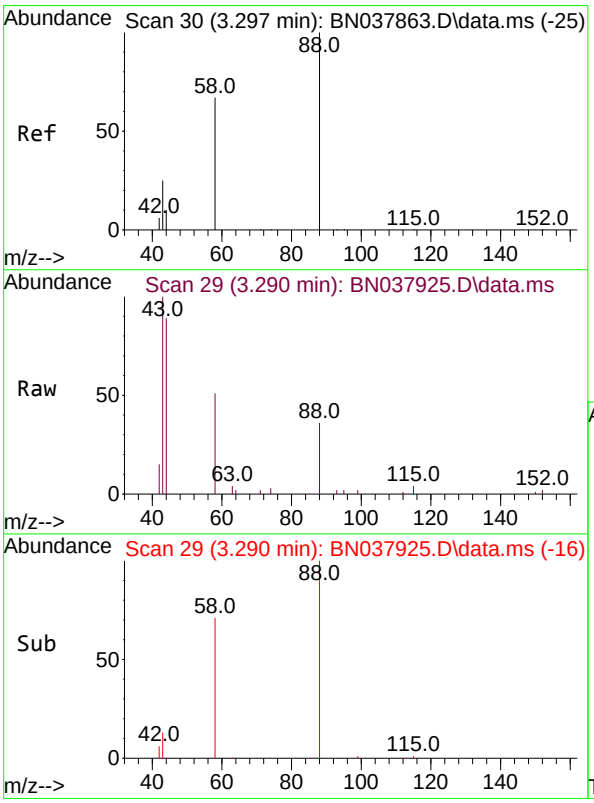
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:152 Resp: 6474

Ion	Ratio	Lower	Upper
152	100		
150	156.6	121.0	181.4
115	61.0	47.4	71.0

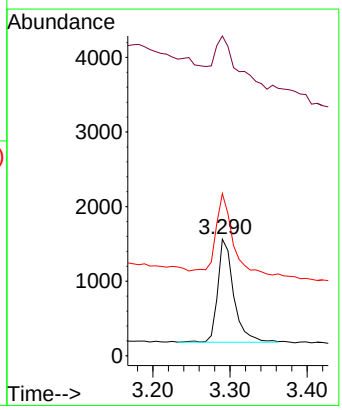


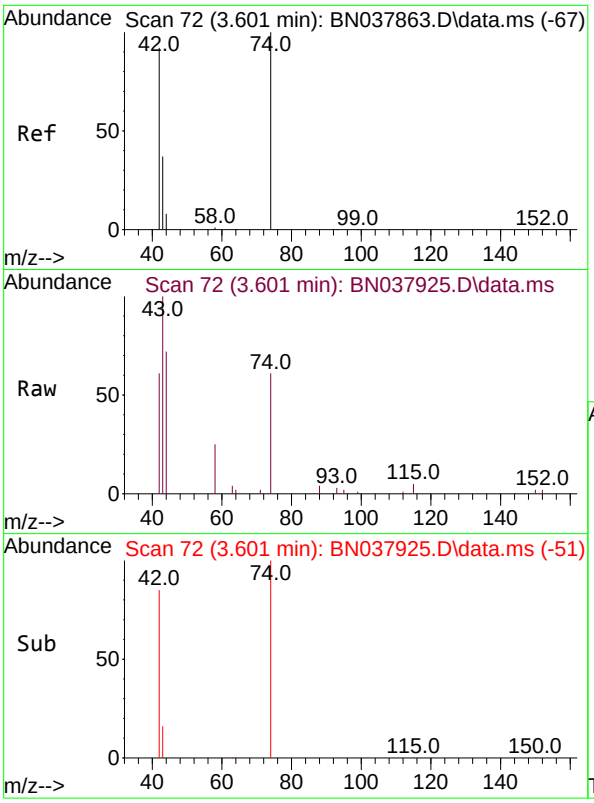


#2
1,4-Dioxane
Concen: 0.303 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion: 88 Resp: 1989

Ion	Ratio	Lower	Upper
88	100		
43	72.8	26.6	39.8#
58	87.5	58.9	88.3



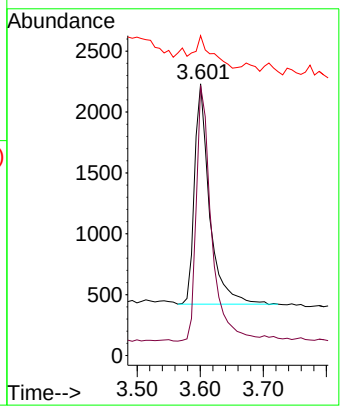


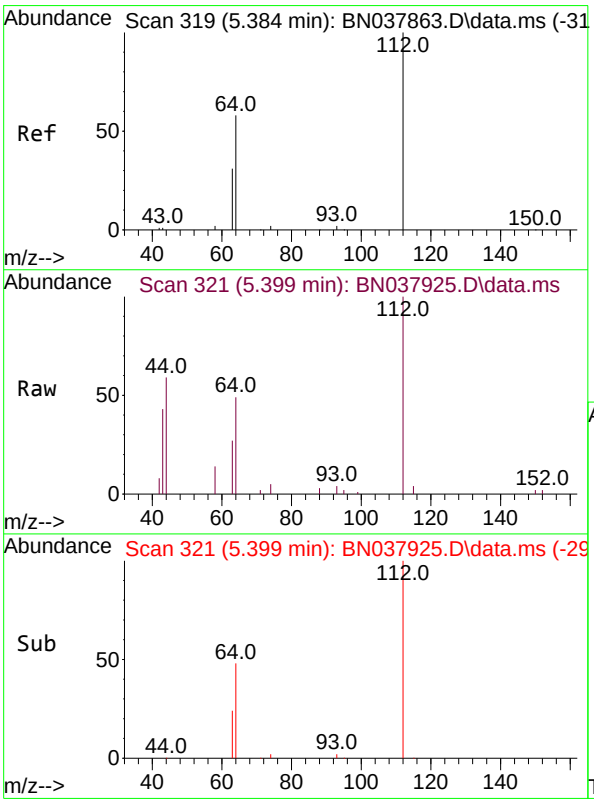
#3
n-Nitrosodimethylamine
Concen: 0.344 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion: 42 Resp: 3004

Ion	Ratio	Lower	Upper
42	100		
74	117.0	93.4	140.0
44	15.7	22.2	33.4#

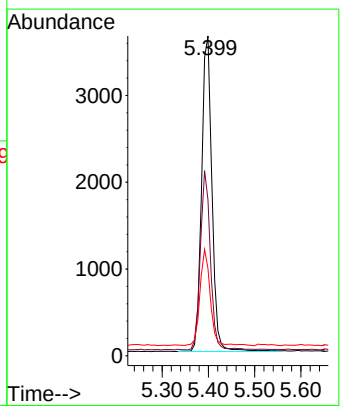


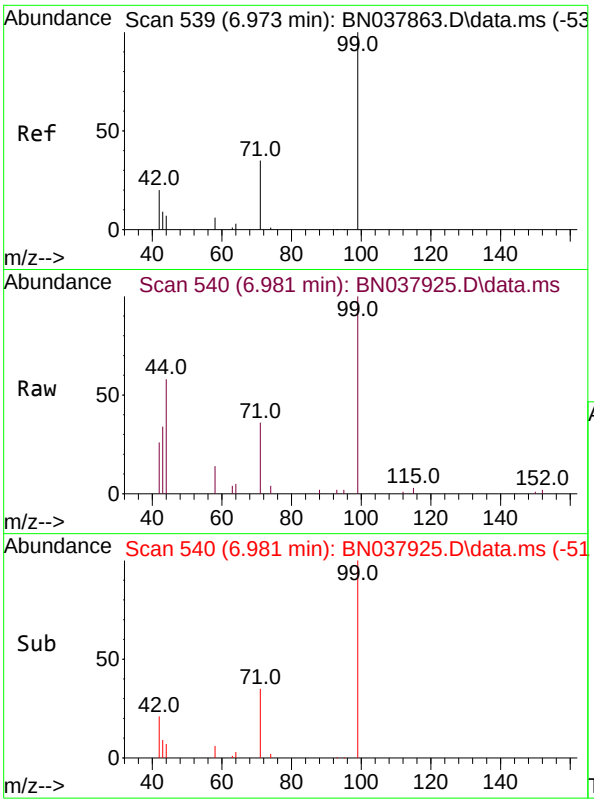


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.015 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:112 Resp: 5608

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.6	66.8
63	29.9	24.9	37.3



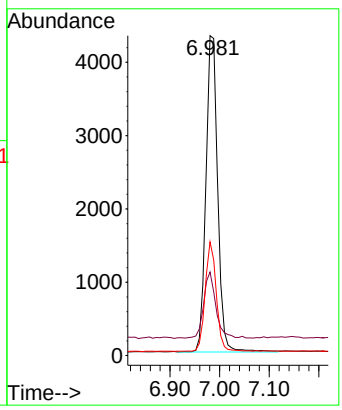


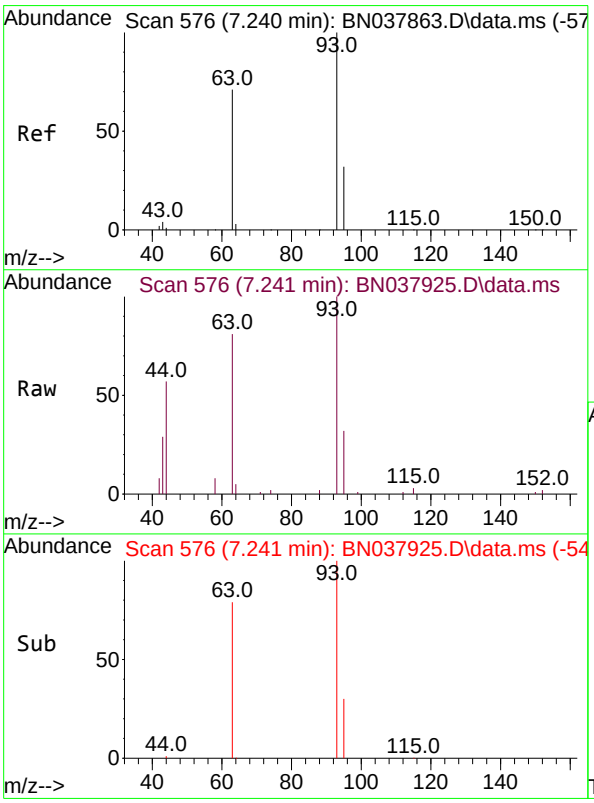
#5
Phenol-d6
Concen: 0.367 ng
RT: 6.981 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion: 99 Resp: 7119

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.2	25.8
71	32.5	27.3	40.9

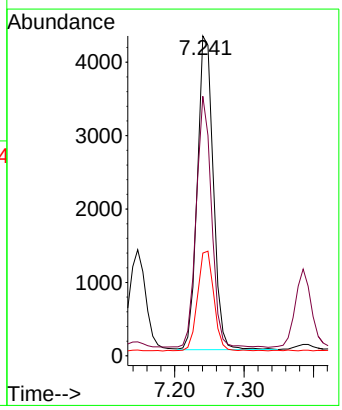


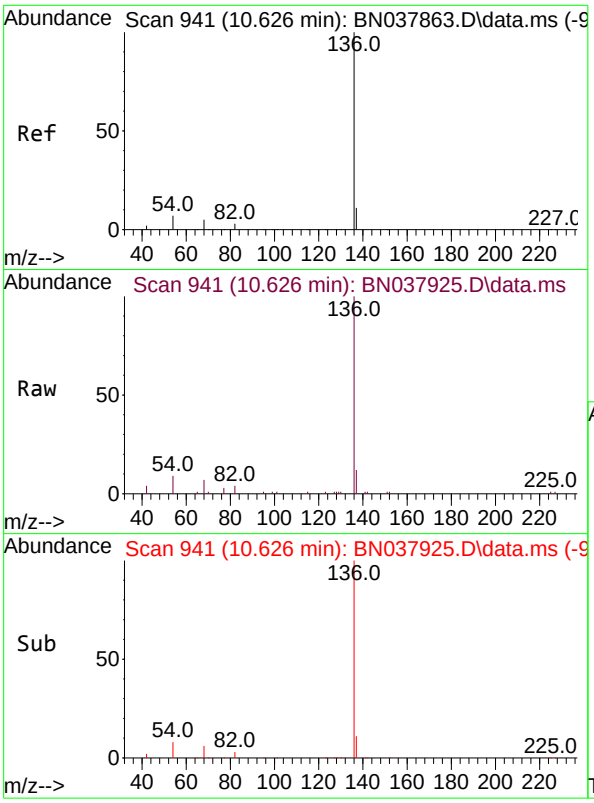


#6
bis(2-Chloroethyl)ether
Concen: 0.378 ng
RT: 7.241 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion: 93 Resp: 6814

Ion	Ratio	Lower	Upper
93	100		
63	76.9	60.1	90.1
95	32.4	25.4	38.2



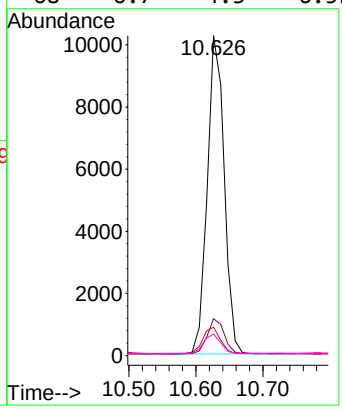


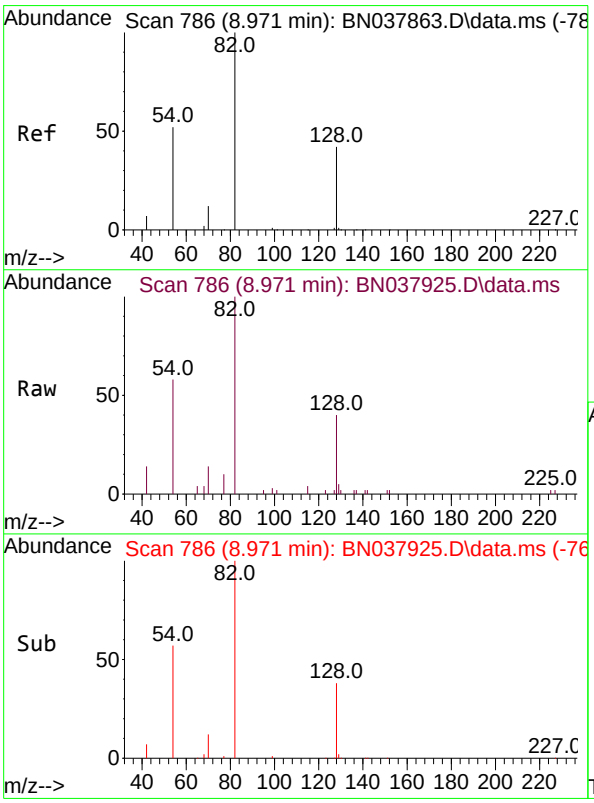
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:136 Resp: 17960

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	8.9	5.8	8.8#
68	6.7	4.3	6.5#

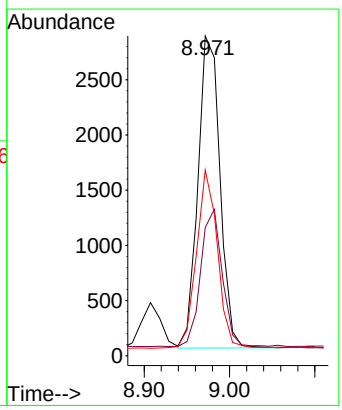


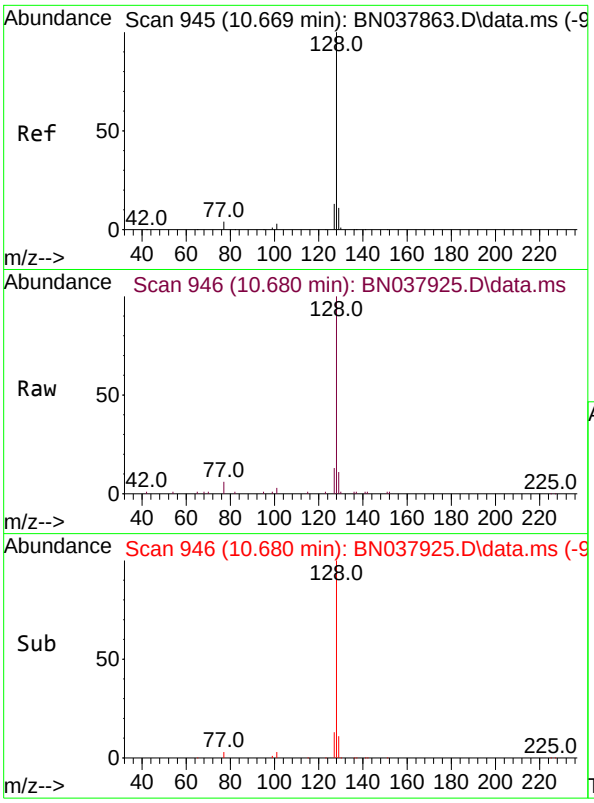


#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion: 82 Resp: 5079

Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.8	52.2
54	58.1	42.2	63.2



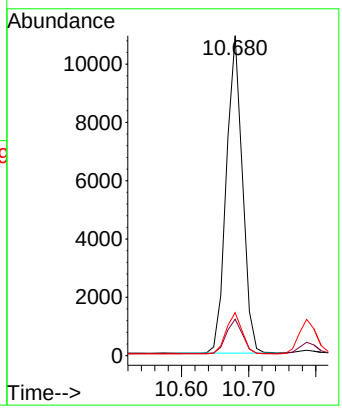


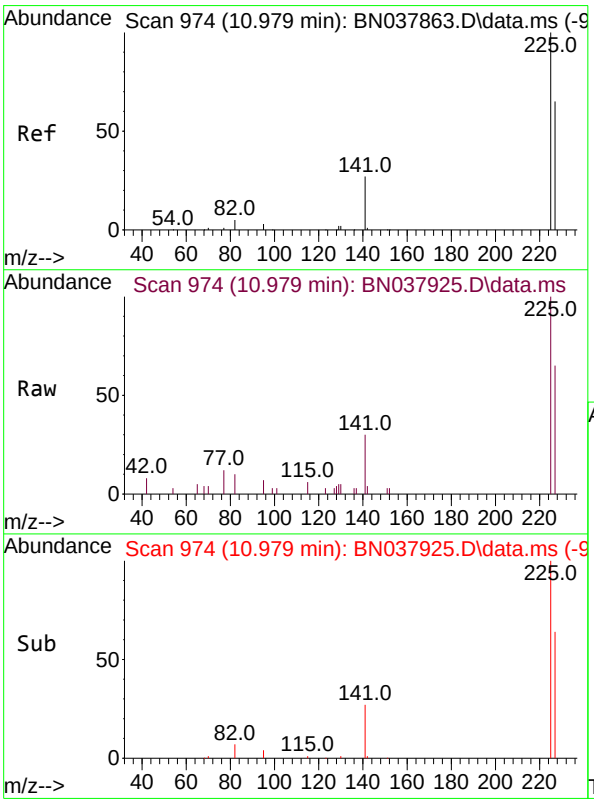
#9
Naphthalene
Concen: 0.366 ng
RT: 10.680 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:128 Resp: 18131

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.4	11.0	16.6

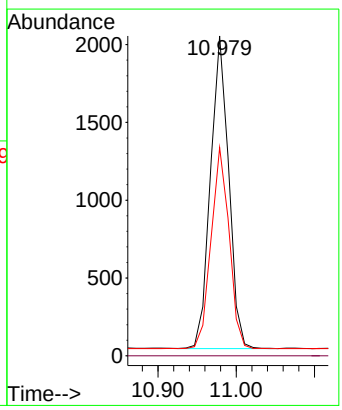


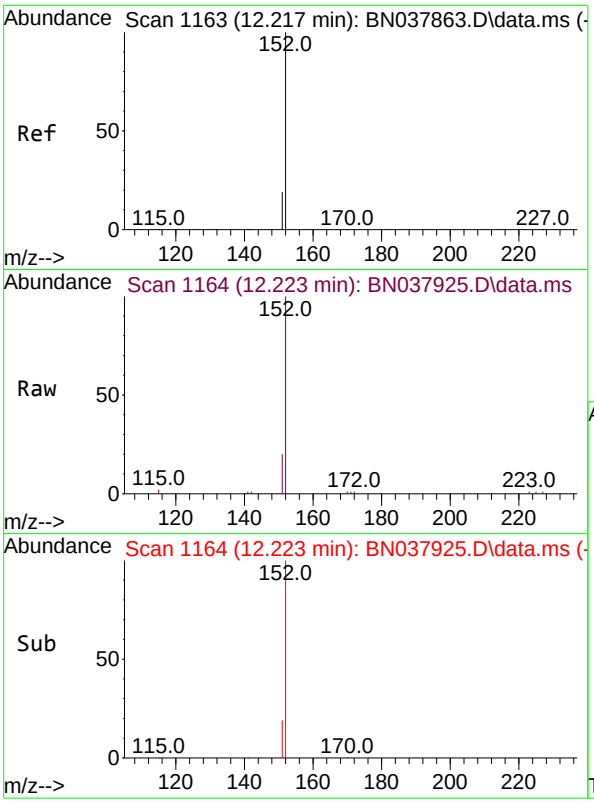


#10
Hexachlorobutadiene
Concen: 0.385 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:225 Resp: 3249

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.4	77.2



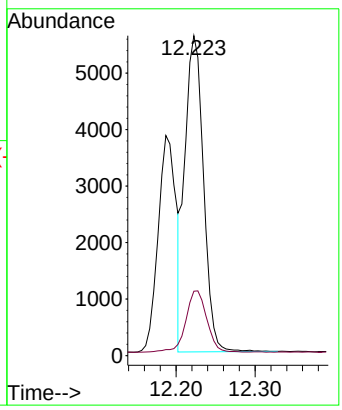


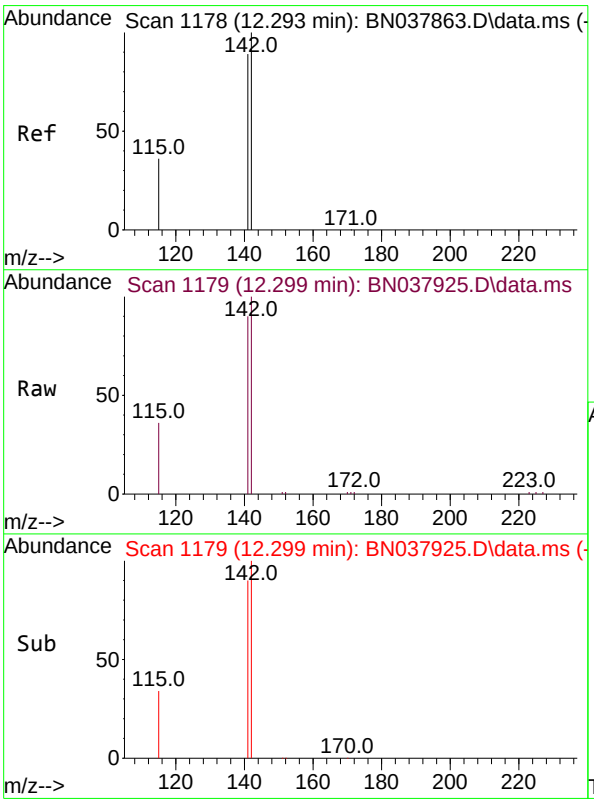
#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 12.223 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:152 Resp: 9180

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.4	26.2

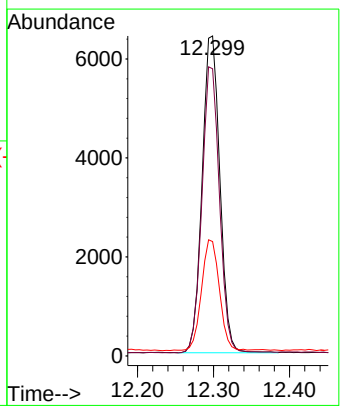


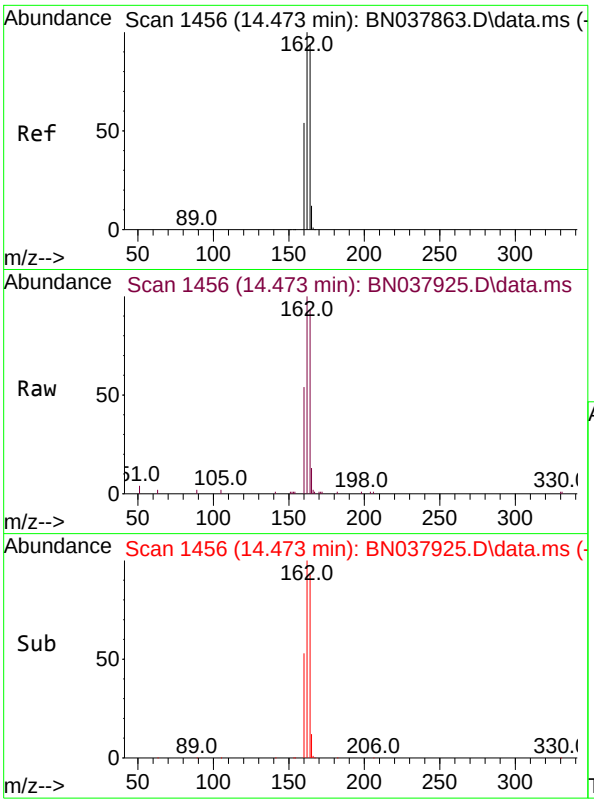


#12
2-Methylnaphthalene
Concen: 0.319 ng
RT: 12.299 min Scan# 1179
Delta R.T. 0.005 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:142 Resp: 10326

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.2	106.8
115	35.7	29.7	44.5



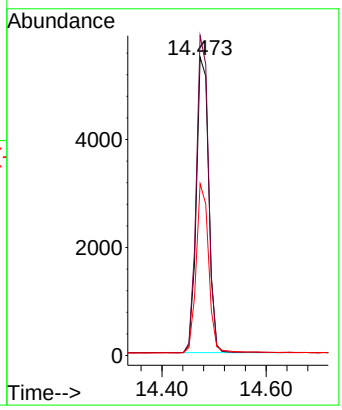


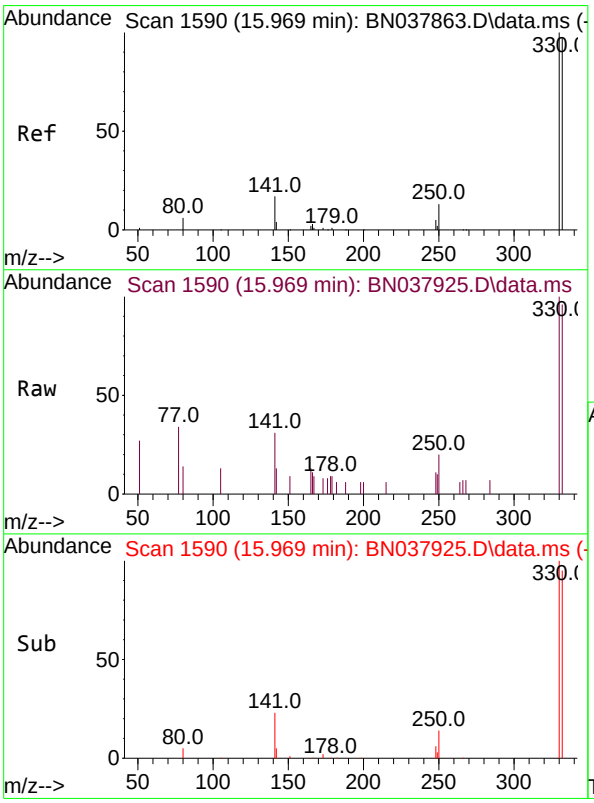
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:164 Resp: 8983

Ion	Ratio	Lower	Upper
164	100		
162	107.2	84.8	127.2
160	57.6	46.1	69.1

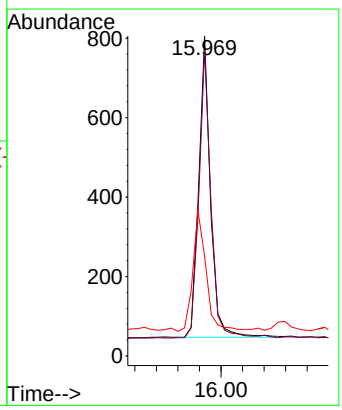


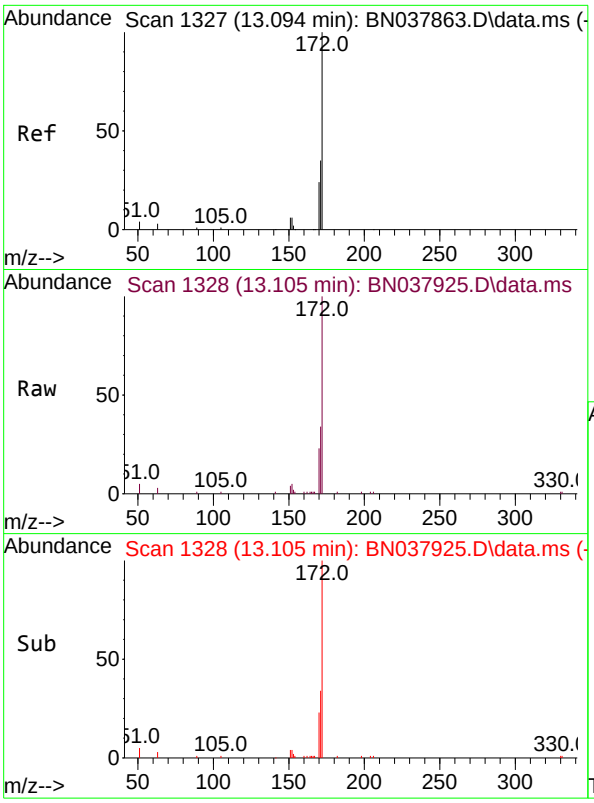


#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:330 Resp: 1148

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.2	115.8
141	43.2	37.2	55.8



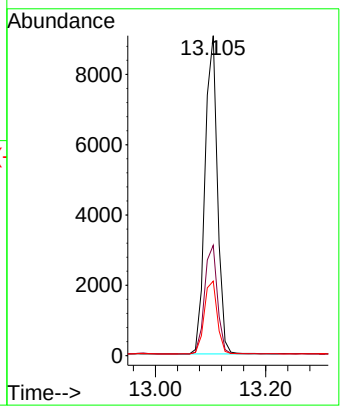


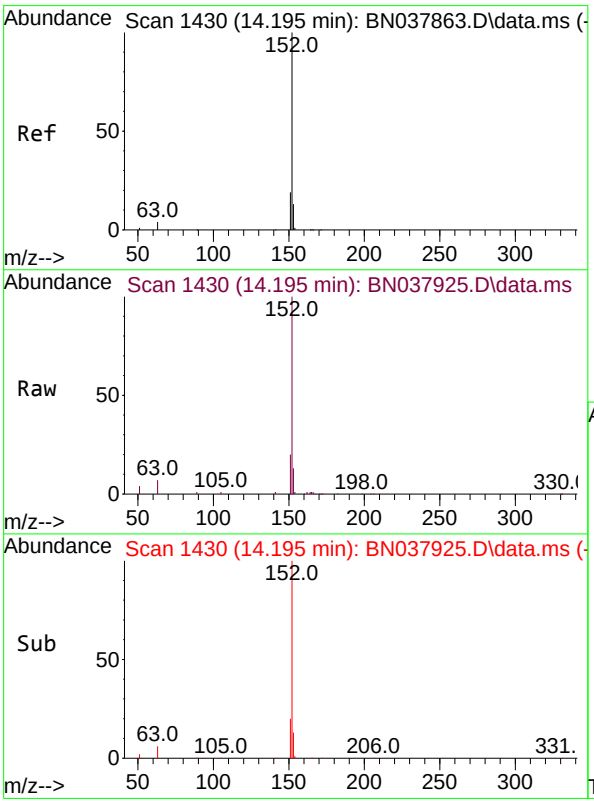
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.105 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:172 Resp: 14116

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	23.3	19.7	29.5

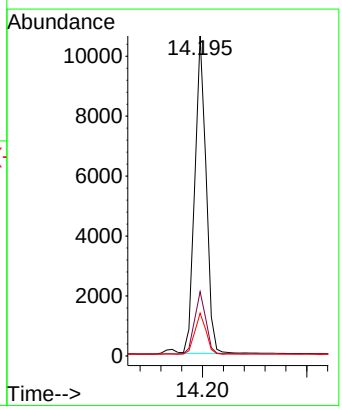


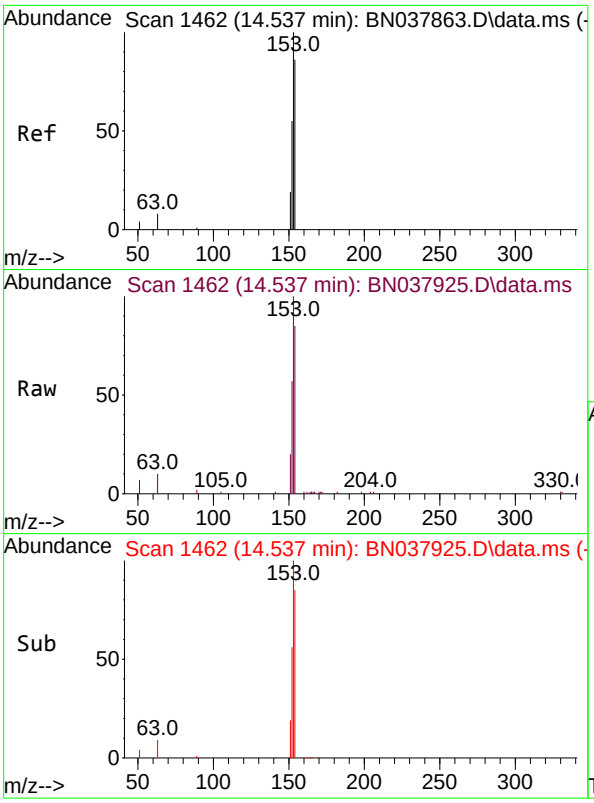


#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:152 Resp: 15928

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.3	10.5	15.7



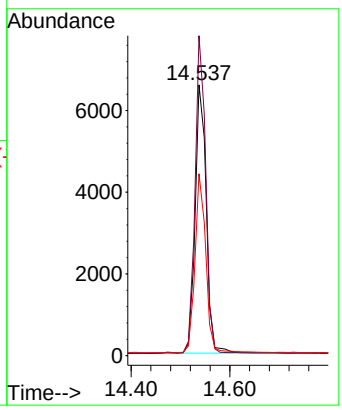


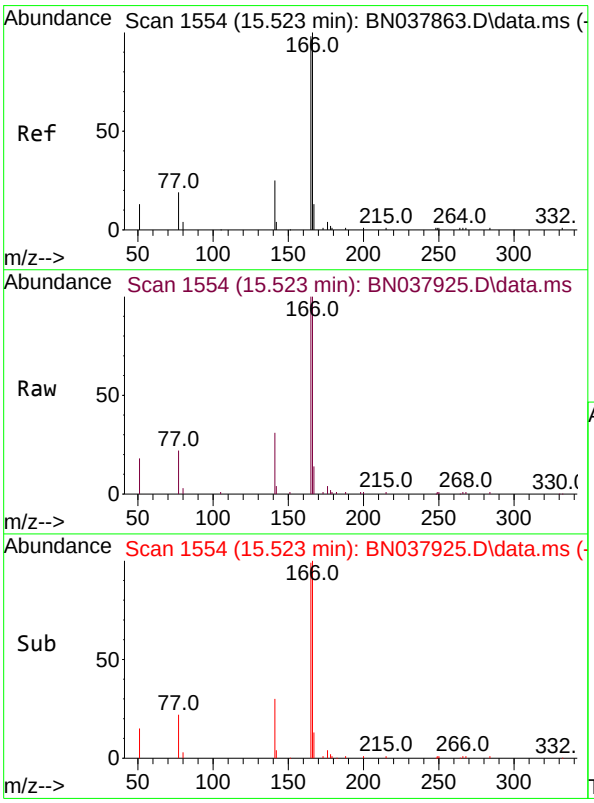
#17
Acenaphthene
Concen: 0.352 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:154 Resp: 10222

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	65.3	51.8	77.8

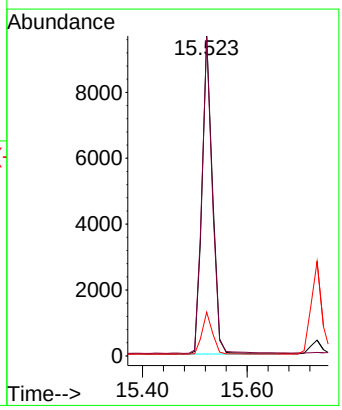


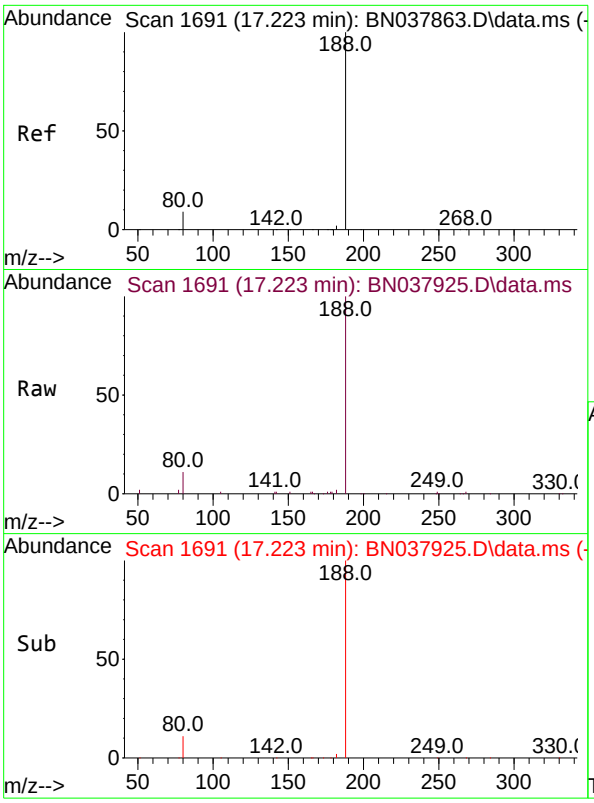


#18
Fluorene
Concen: 0.373 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:166 Resp: 13122

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.0	118.4
167	12.9	10.6	16.0



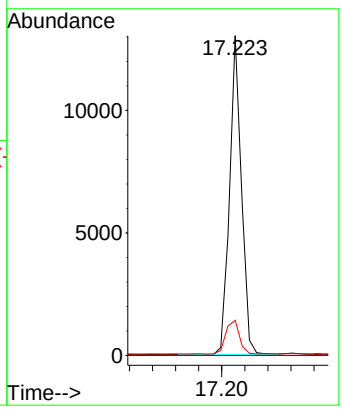


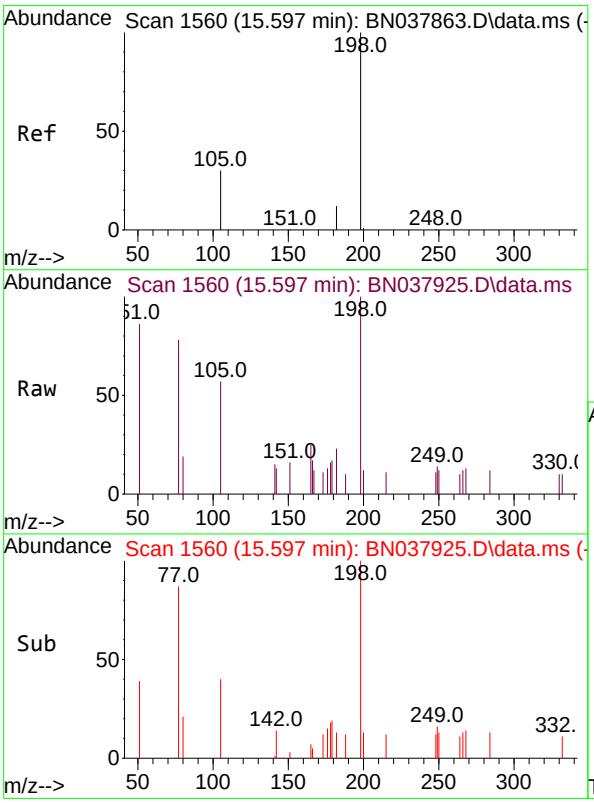
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:188 Resp: 18517

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	7.6	11.4

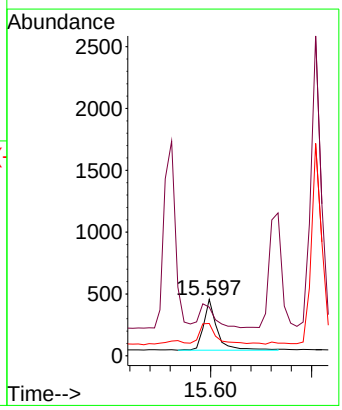


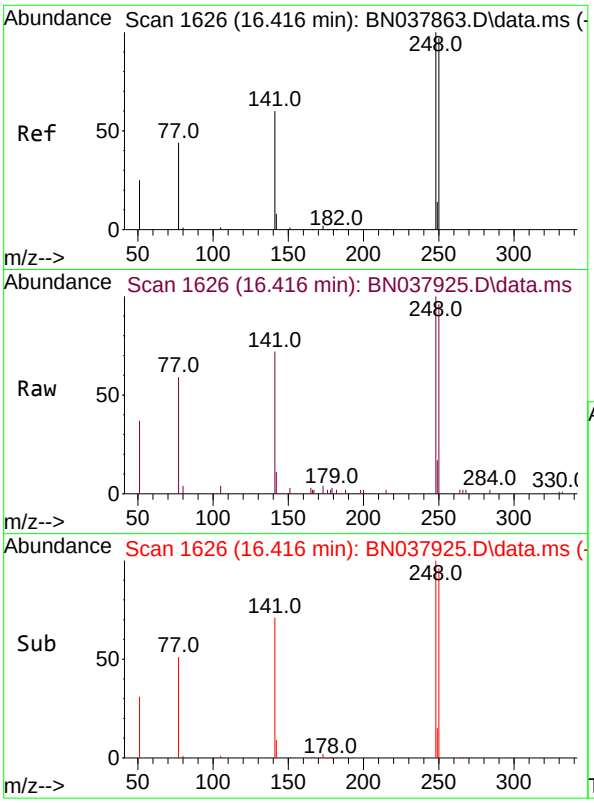


#20
4,6-Dinitro-2-methylphenol
Concen: 0.382 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:198 Resp: 749

Ion	Ratio	Lower	Upper
198	100		
51	86.2	59.1	88.7
105	57.3	41.3	61.9



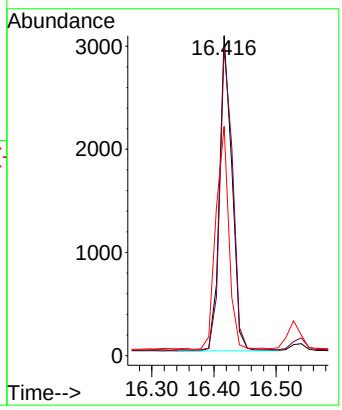


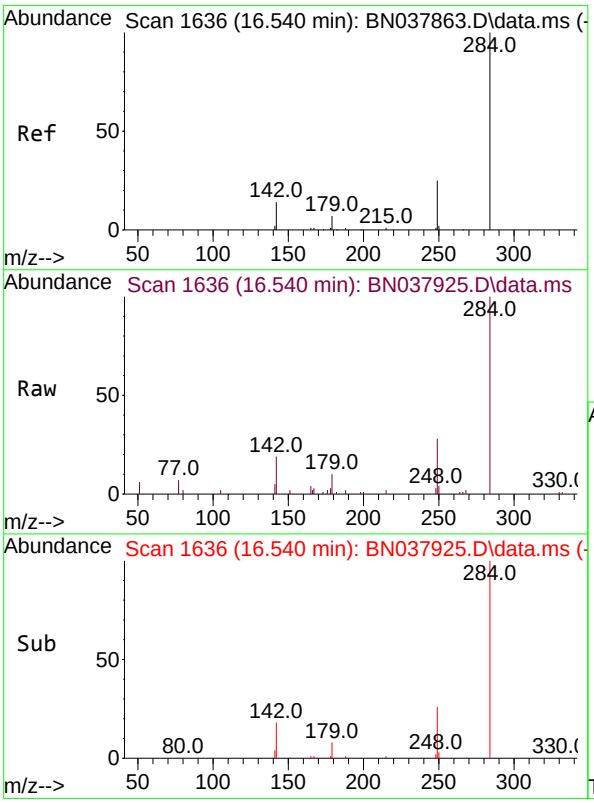
#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:248 Resp: 4285

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.6	116.4
141	71.6	48.8	73.2

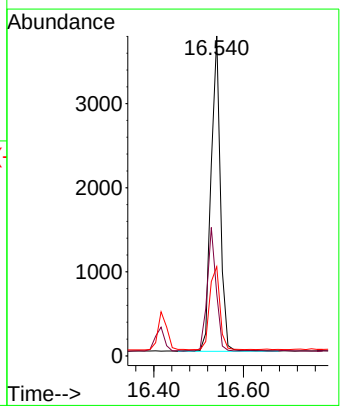


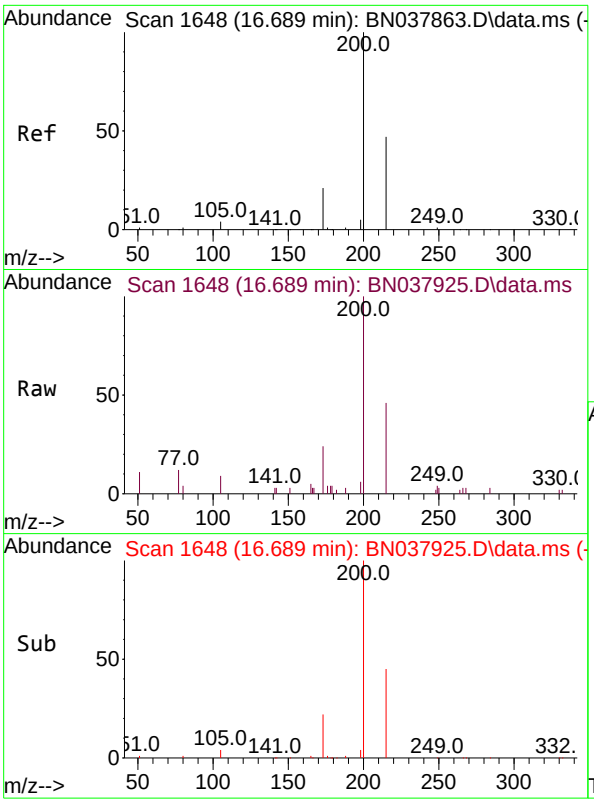


#22
Hexachlorobenzene
Concen: 0.372 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:284 Resp: 5446

Ion	Ratio	Lower	Upper
284	100		
142	38.0	30.9	46.3
249	28.9	23.9	35.9



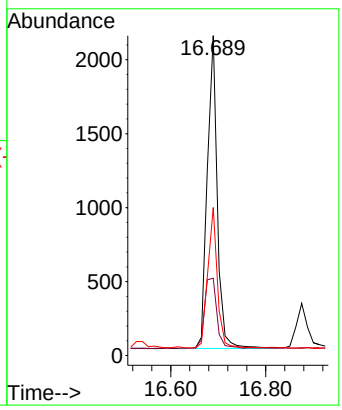


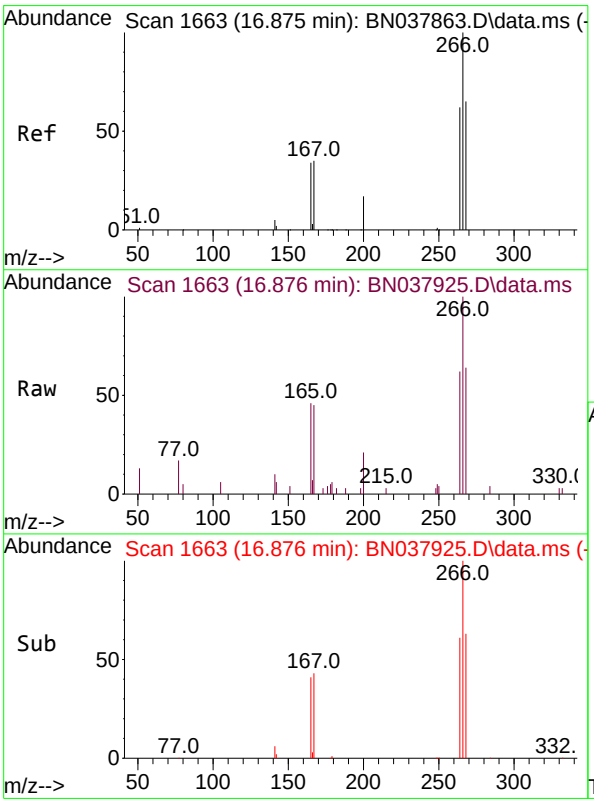
#23
Atrazine
Concen: 0.336 ng
RT: 16.689 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:200 Resp: 3086

Ion	Ratio	Lower	Upper
200	100		
173	24.2	18.3	27.5
215	46.3	38.6	58.0

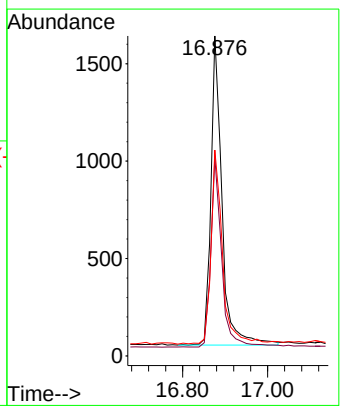


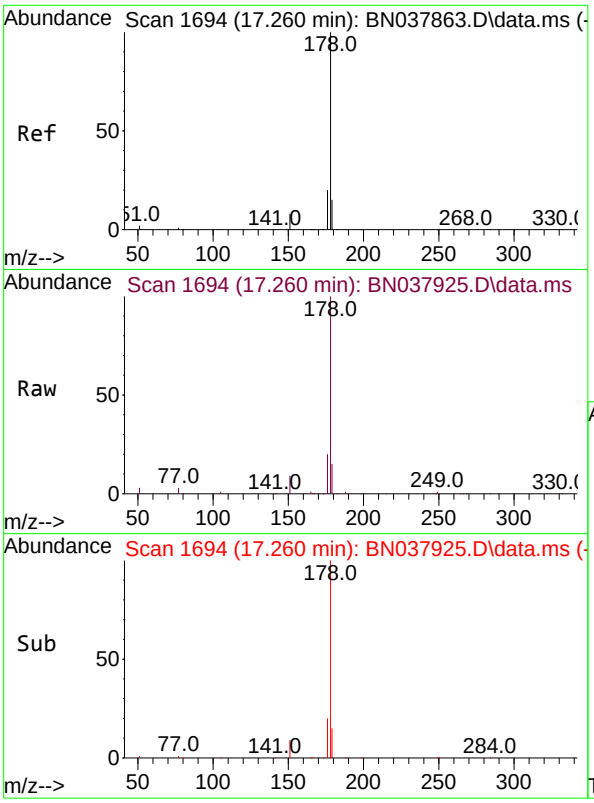


#24
Pentachlorophenol
Concen: 0.570 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:266 Resp: 2861

Ion	Ratio	Lower	Upper
266	100		
264	60.4	50.9	76.3
268	65.1	54.3	81.5



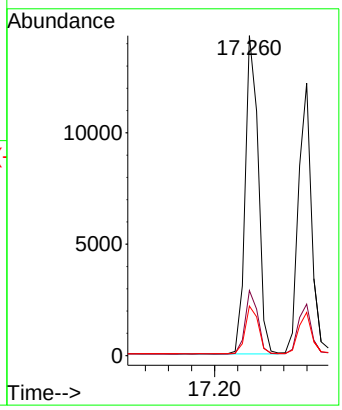


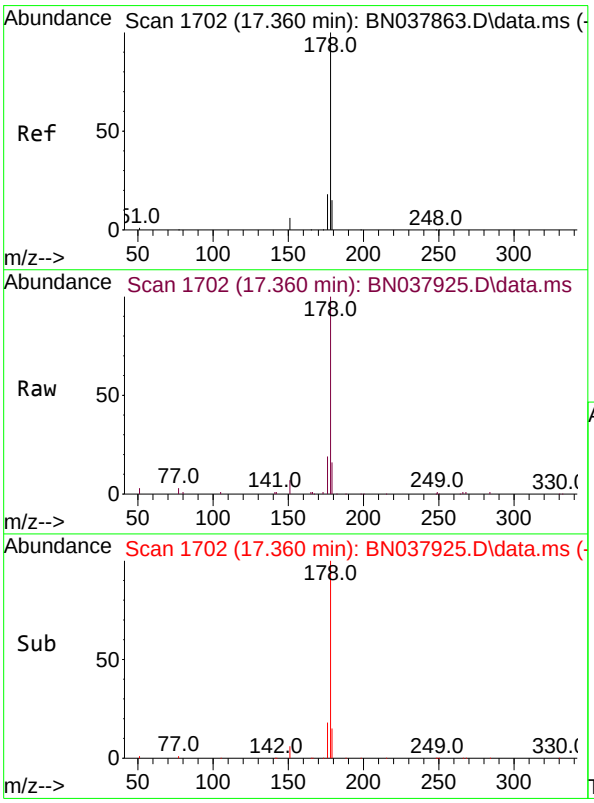
#25
Phenanthrene
Concen: 0.367 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:178 Resp: 22391

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.1	12.3	18.5

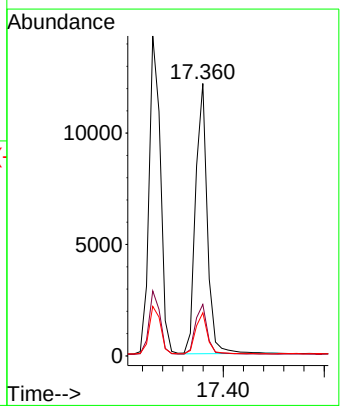


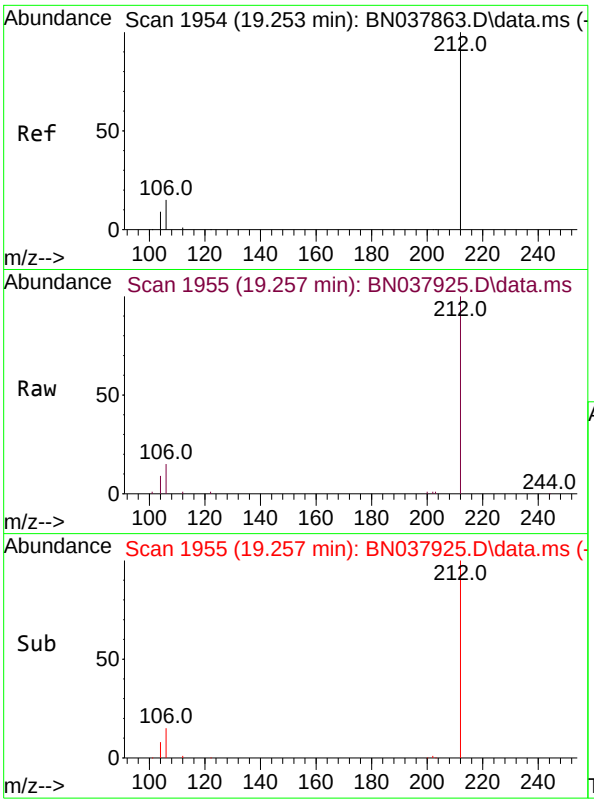


#26
Anthracene
Concen: 0.367 ng
RT: 17.360 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:178 Resp: 19422

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.5	12.3	18.5



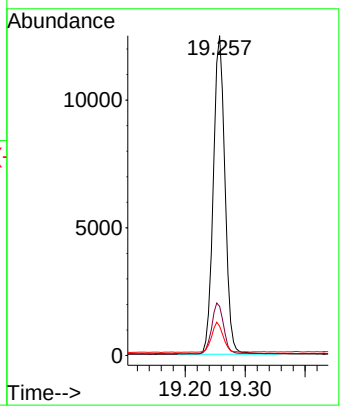


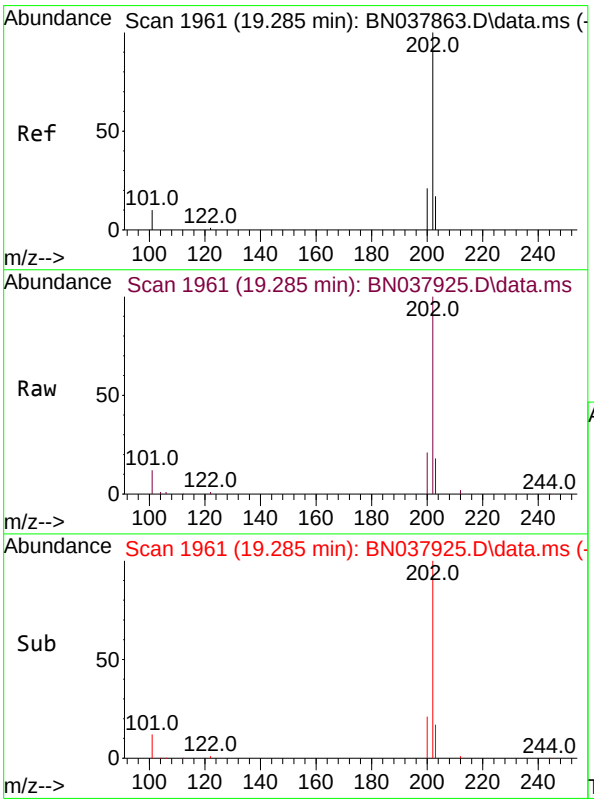
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.257 min Scan# 19
Delta R.T. 0.005 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:212 Resp: 16857

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.2	7.4	11.0

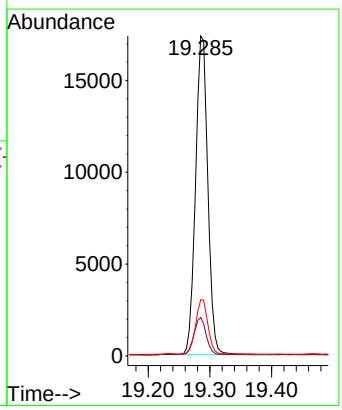


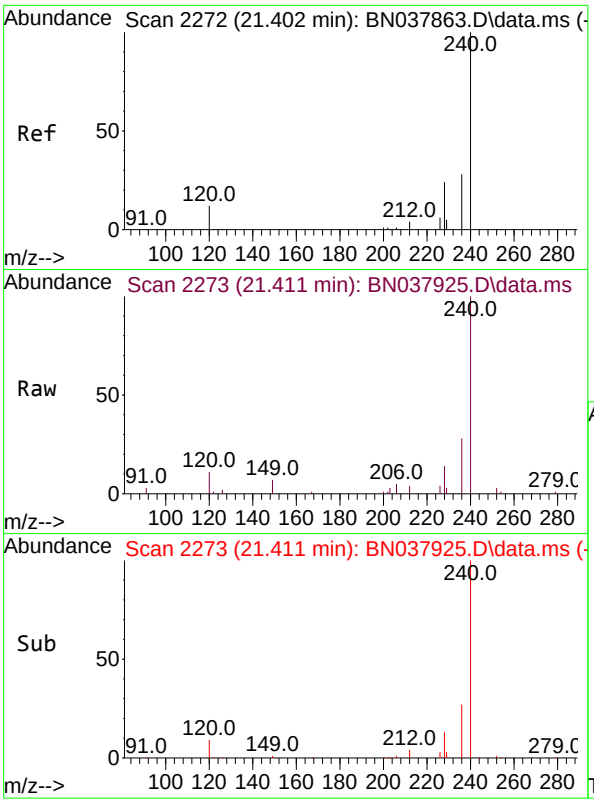


#28
Fluoranthene
Concen: 0.355 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:202 Resp: 23845

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.3	13.9
203	17.0	13.6	20.4



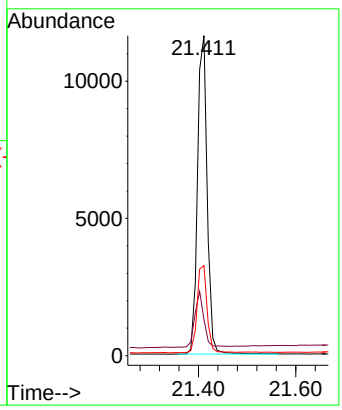


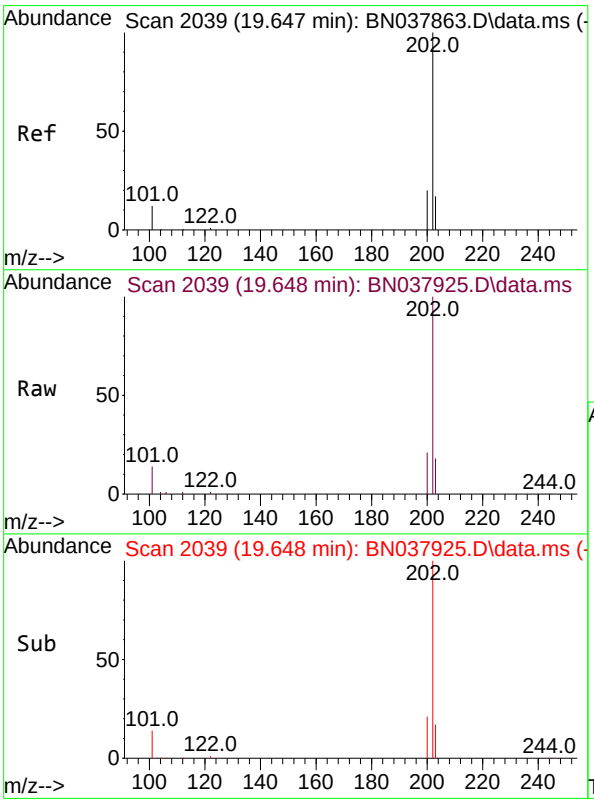
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:240 Resp: 16130

Ion	Ratio	Lower	Upper
240	100		
120	11.3	11.4	17.2#
236	28.1	23.0	34.6

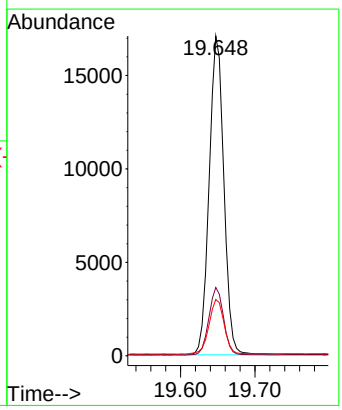


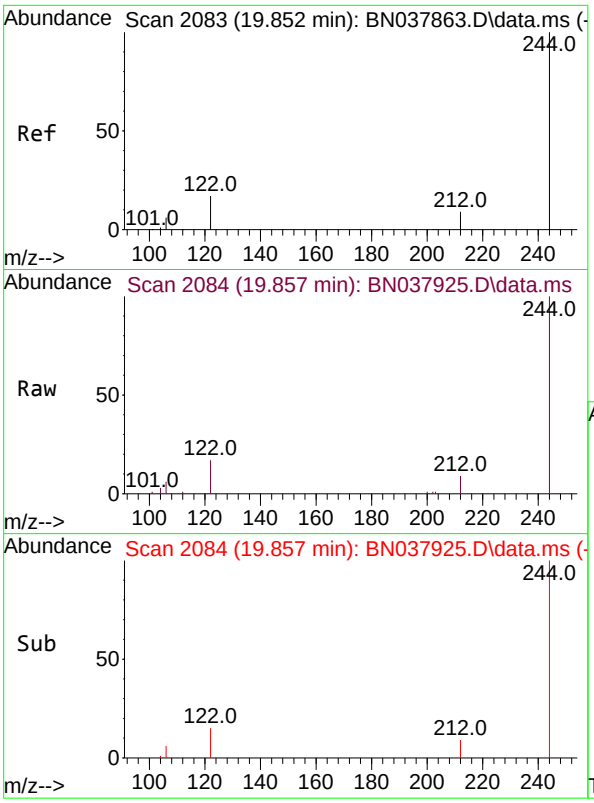


#30
Pyrene
Concen: 0.367 ng
RT: 19.648 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:202 Resp: 23395

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.7	14.2	21.4



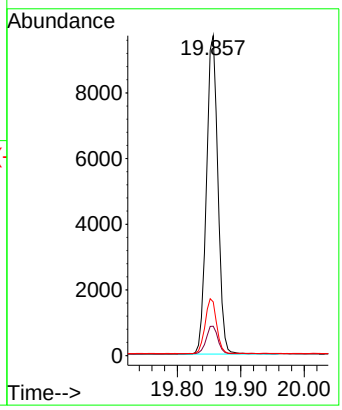


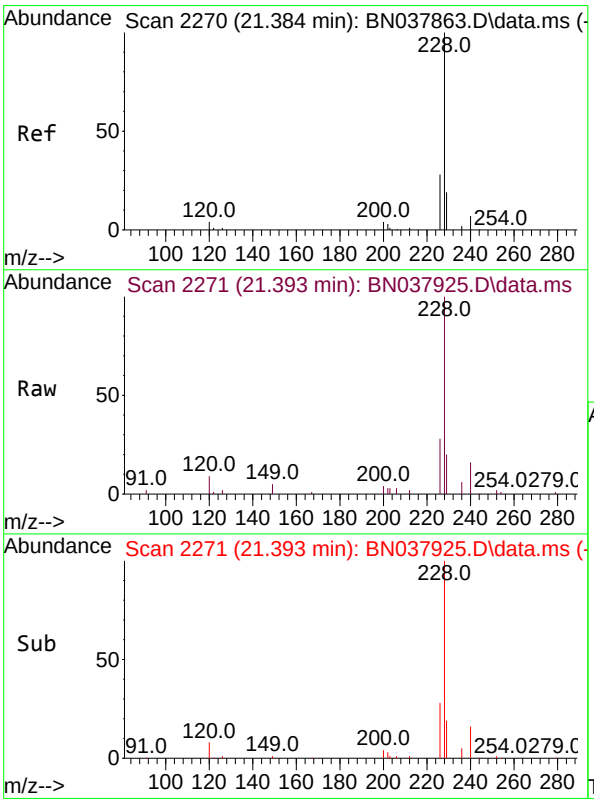
#31
Terphenyl-d14
Concen: 0.378 ng
RT: 19.857 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:244 Resp: 12134

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	16.8	13.9	20.9

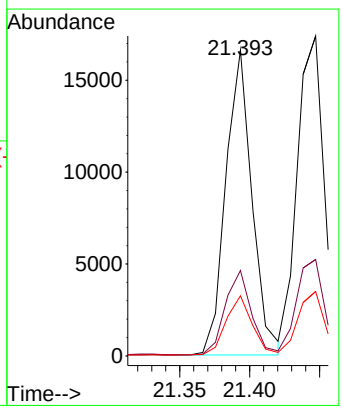


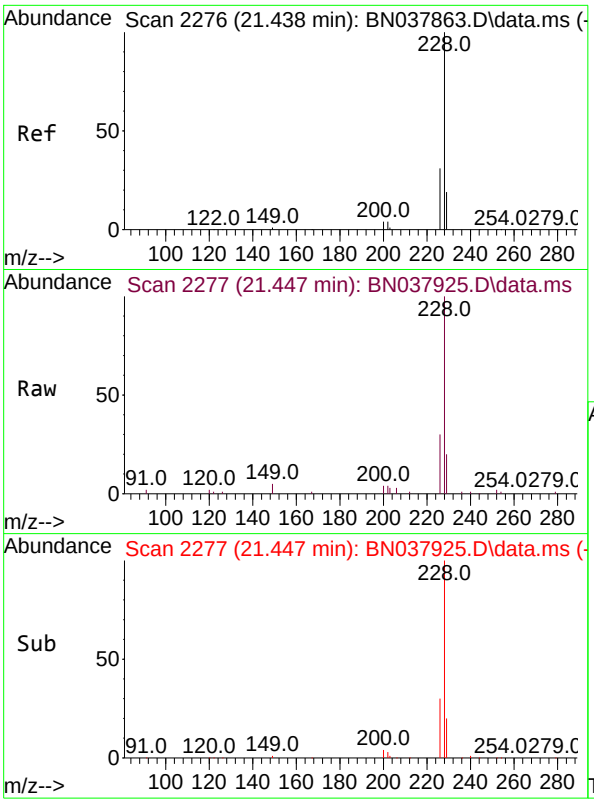


#32
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:228 Resp: 21646

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.7	15.6	23.4



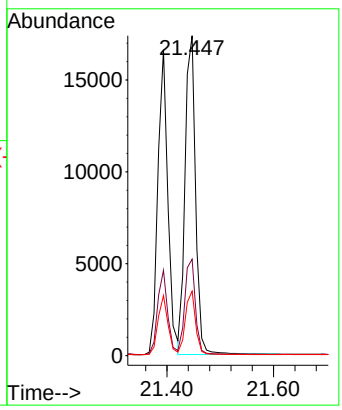


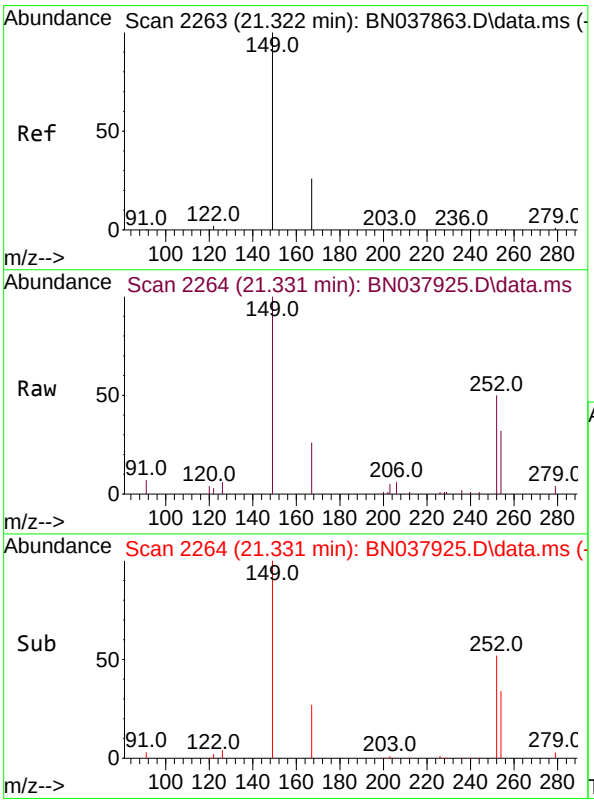
#33
Chrysene
Concen: 0.391 ng
RT: 21.447 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:228 Resp: 23820

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	20.1	15.6	23.4

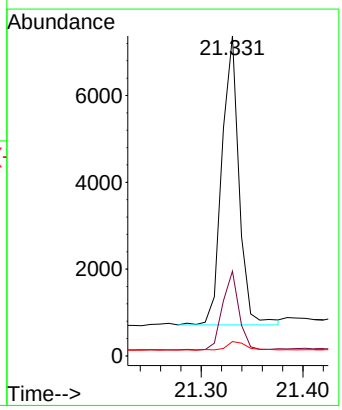


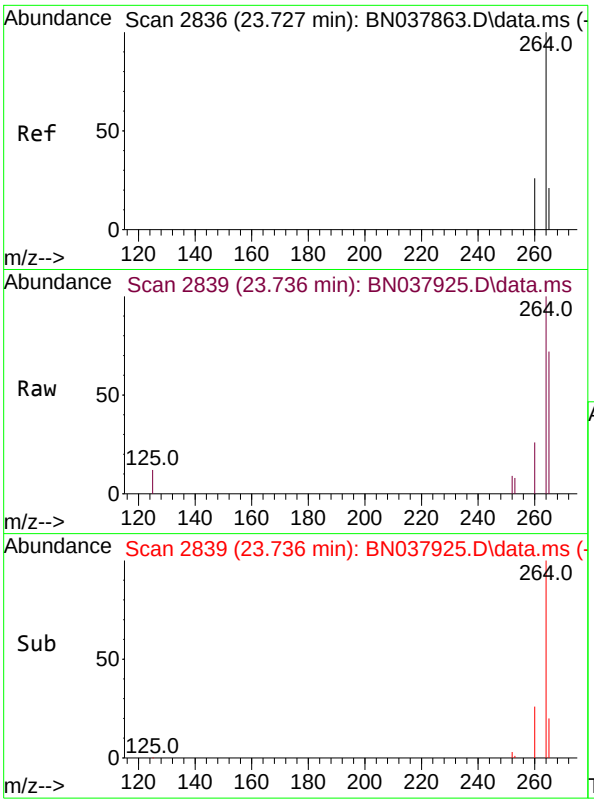


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:149 Resp: 7854

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.4	30.6
279	3.7	2.4	3.6#



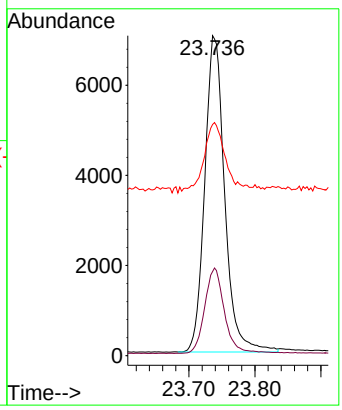


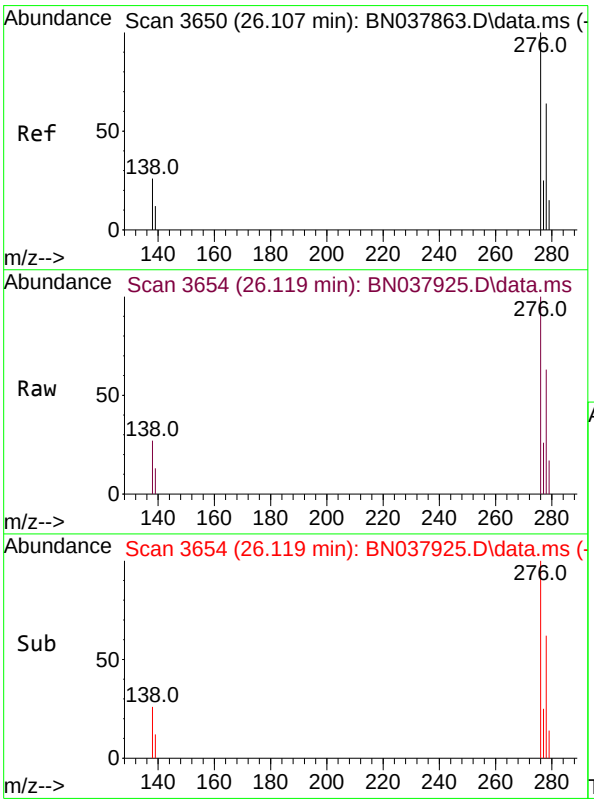
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 28
Delta R.T. 0.009 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:264 Resp: 14729

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.5	32.3
265	72.2	53.8	80.6

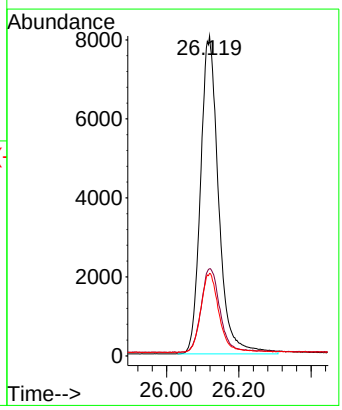


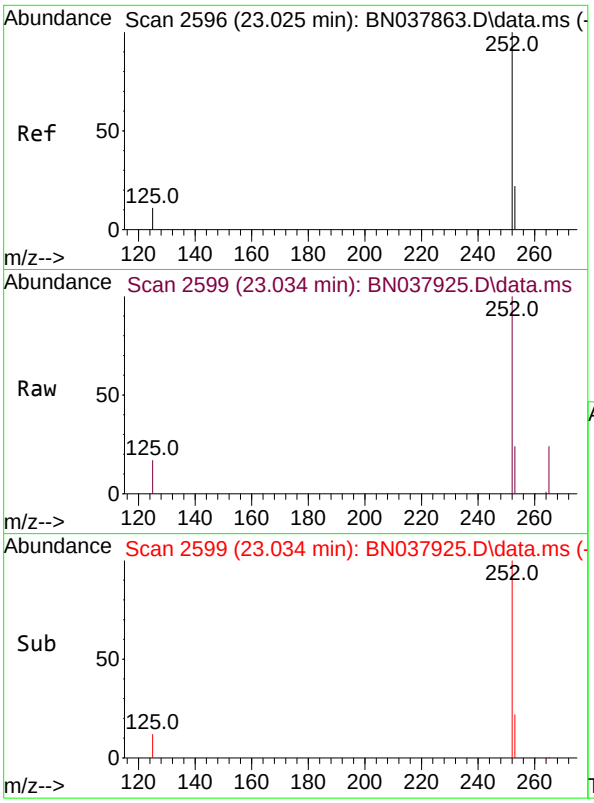


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.415 ng
RT: 26.119 min Scan# 3654
Delta R.T. 0.012 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:276 Resp: 27926

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.4	32.0
277	25.0	20.3	30.5



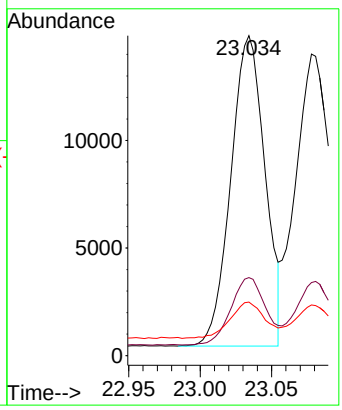


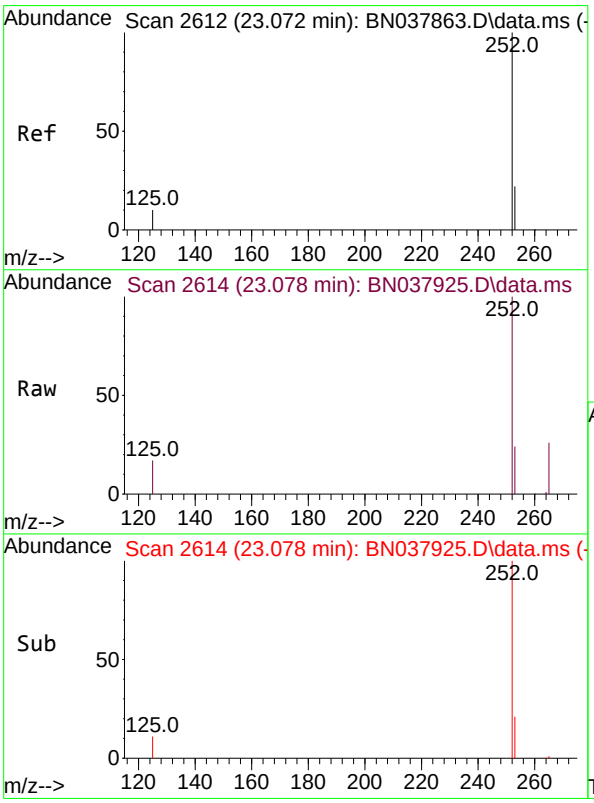
#37
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 23.034 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:252 Resp: 23969

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.4	29.0
125	16.7	13.0	19.4

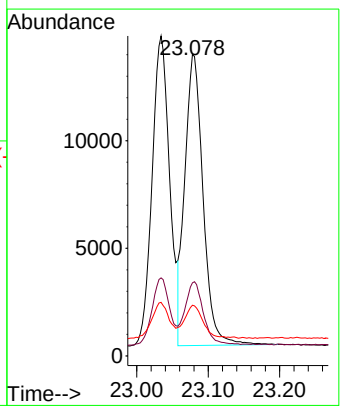


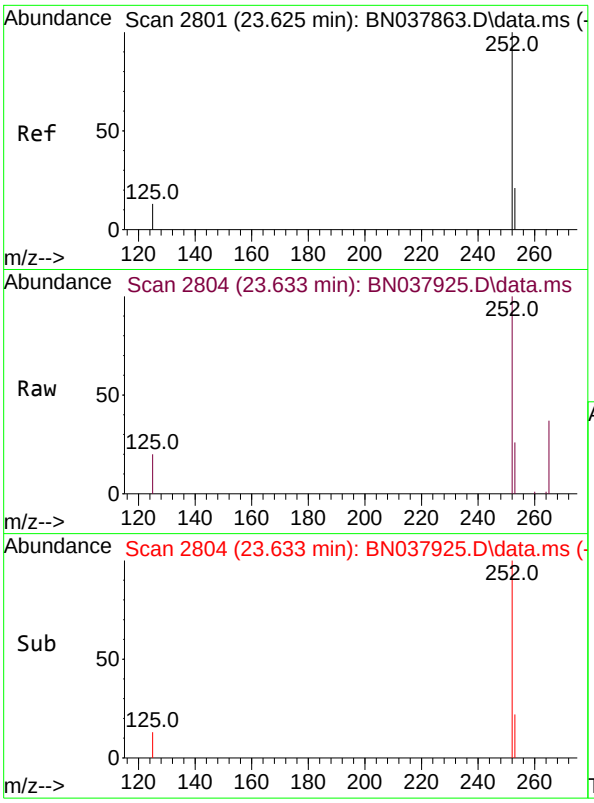


#38
Benzo(k)fluoranthene
Concen: 0.376 ng
RT: 23.078 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:252 Resp: 24060

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.5	29.3
125	16.8	13.0	19.4



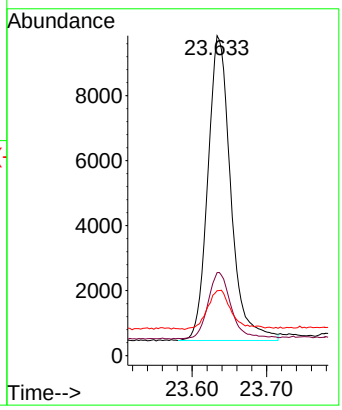


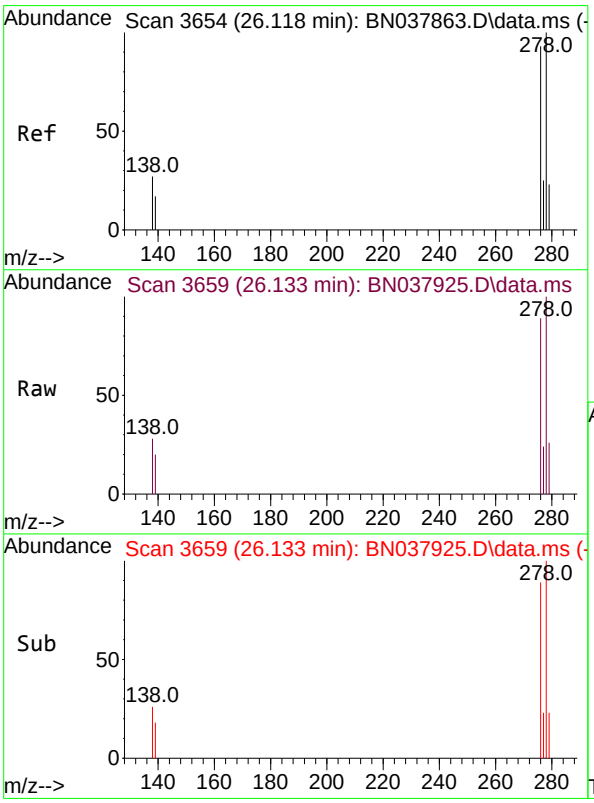
#39
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.633 min Scan# 28
Delta R.T. 0.009 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:252 Resp: 19997

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.6	30.8
125	20.3	16.7	25.1

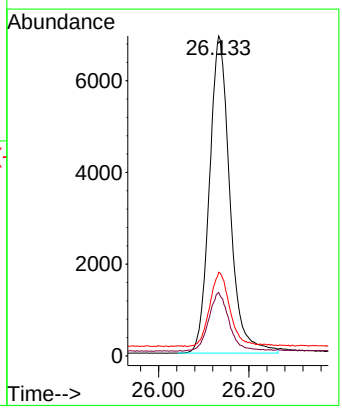


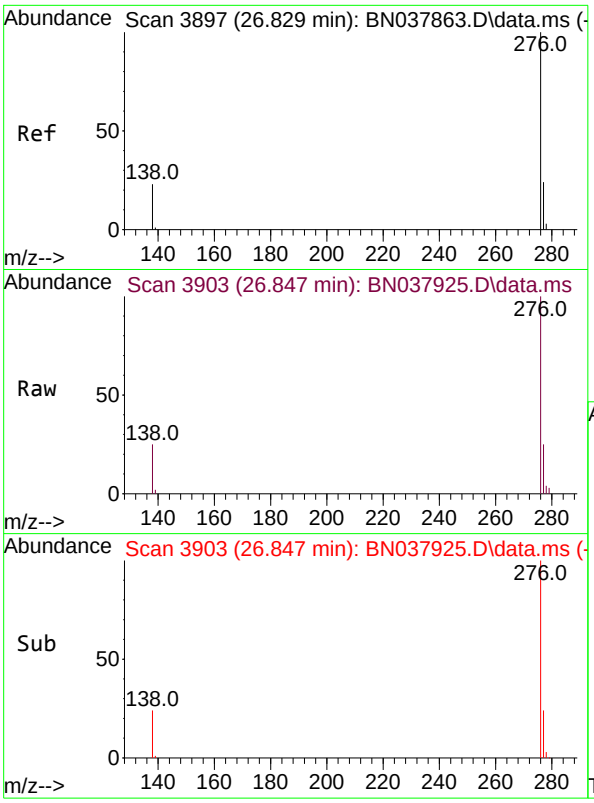


#40
Dibenzo(a,h)anthracene
Concen: 0.414 ng
RT: 26.133 min Scan# 3659
Delta R.T. 0.015 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Tgt Ion:278 Resp: 21738

Ion	Ratio	Lower	Upper
278	100		
139	19.8	15.4	23.2
279	26.1	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.427 ng
RT: 26.847 min Scan# 3
Delta R.T. 0.018 min
Lab File: BN037925.D
Acq: 26 Sep 2025 14:56

Instrument :
BNA_N
ClientSampleId :
PB169839BS

Tgt Ion:276 Resp: 23570

Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.4
138	24.8	19.8	29.8