Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036851.D
Acq On : 07 Apr 2025 13:41
Operator : RC/JU
Sample : Q1736-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2MS

Quant Time: Apr 07 14:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	2354	0.400	ng	0.00
7) Naphthalene-d8	10.466	136	6078	0.400	ng	-0.01
13) Acenaphthene-d10	14.334	164	3507	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	7277	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	6717	0.400	ng	0.00
35) Perylene-d12	23.513	264	6473	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1804	0.329	ng	0.00
5) Phenol-d6	6.865	99	2335	0.345	ng	0.00
8) Nitrobenzene-d5	8.833	82	1657	0.251	ng	-0.01
11) 2-Methylnaphthalene-d10	12.065	152	2414	0.267	ng	0.00
14) 2,4,6-Tribromophenol	15.820	330	485	0.305	ng	-0.01
15) 2-Fluorobiphenyl	12.953	172	5409	0.265	ng	0.00
27) Fluoranthene-d10	19.113	212	5797	0.311	ng	0.00
31) Terphenyl-d14	19.717	244	4144	0.258	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	804	0.308	ng	# 23
3) n-Nitrosodimethylamine	3.528	42	1855	0.351	ng	# 98
6) bis(2-Chloroethyl)ether	7.118	93	2498	0.357	ng	98
9) Naphthalene	10.519	128	6140	0.343	ng	100
10) Hexachlorobutadiene	10.808	225	1319	0.313	ng	# 100
12) 2-Methylnaphthalene	12.141	142	4012	0.353	ng	99
16) Acenaphthylene	14.045	152	5984	0.362	ng	100
17) Acenaphthene	14.388	154	3806	0.351	ng	100
18) Fluorene	15.382	166	5112	0.349	ng	97
20) 4,6-Dinitro-2-methylph...	15.467	198	495	0.412	ng	# 82
21) 4-Bromophenyl-phenylether	16.280	248	1620	0.355	ng	# 71
22) Hexachlorobenzene	16.391	284	1819	0.330	ng	98
23) Atrazine	16.553	200	1437	0.393	ng	# 92
24) Pentachlorophenol	16.739	266	1517	0.604	ng	99
25) Phenanthrene	17.111	178	8495	0.389	ng	99
26) Anthracene	17.211	178	7730	0.392	ng	99
28) Fluoranthene	19.141	202	10367	0.423	ng	98
30) Pyrene	19.508	202	11046	0.336	ng	99
32) Benzo(a)anthracene	21.259	228	9220	0.395	ng	100
33) Chrysene	21.304	228	9602	0.376	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	9178	0.552	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.776	276	9589	0.410	ng	98
37) Benzo(b)fluoranthene	22.841	252	9121	0.387	ng	94
38) Benzo(k)fluoranthene	22.885	252	9355	0.379	ng	94
39) Benzo(a)pyrene	23.414	252	8108	0.409	ng	91
40) Dibenzo(a,h)anthracene	25.791	278	7130	0.392	ng	91
41) Benzo(g,h,i)perylene	26.460	276	7664	0.368	ng	98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036851.D
Acq On : 07 Apr 2025 13:41
Operator : RC/JU
Sample : Q1736-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2MS

Quant Time: Apr 07 14:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
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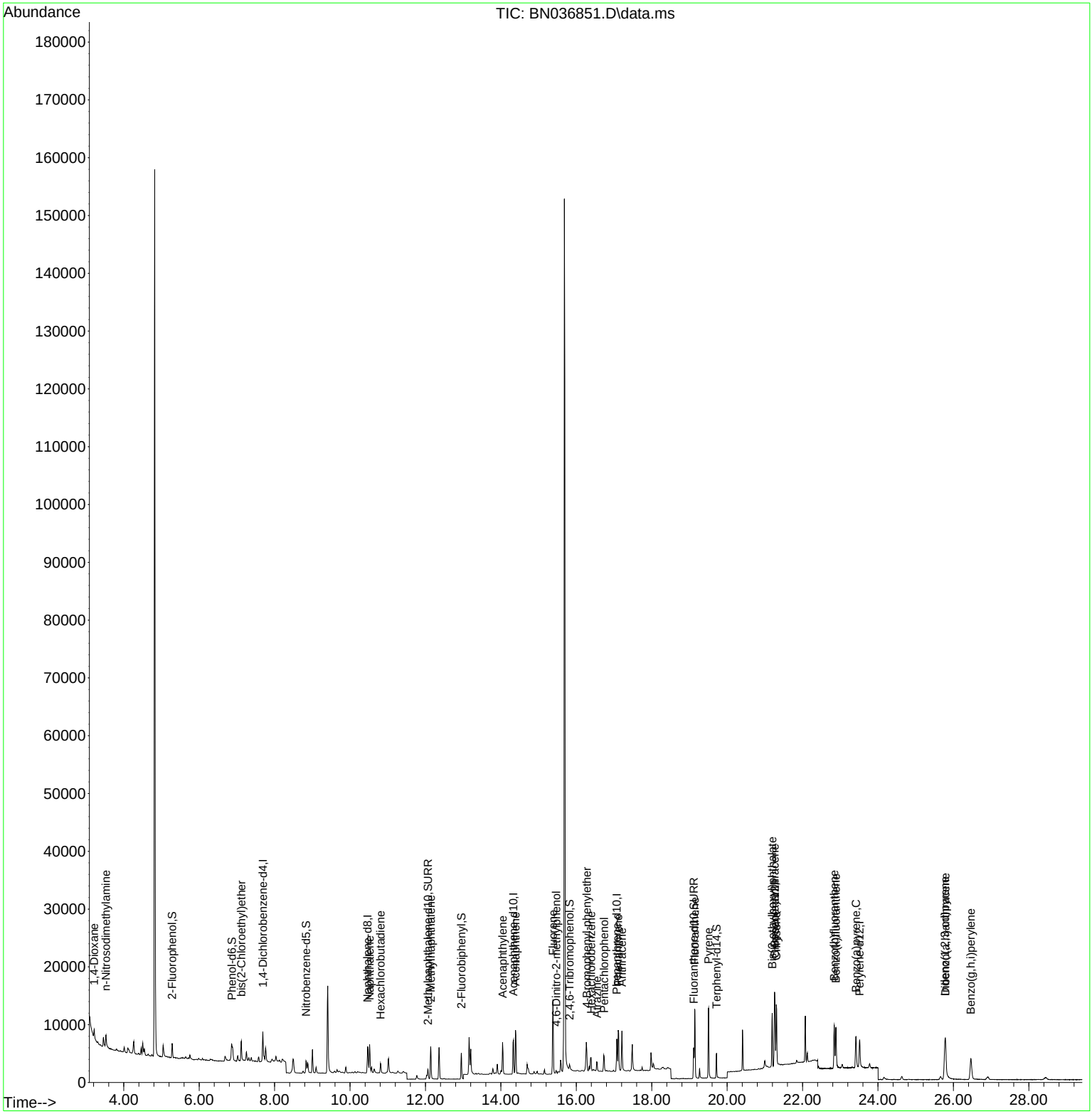
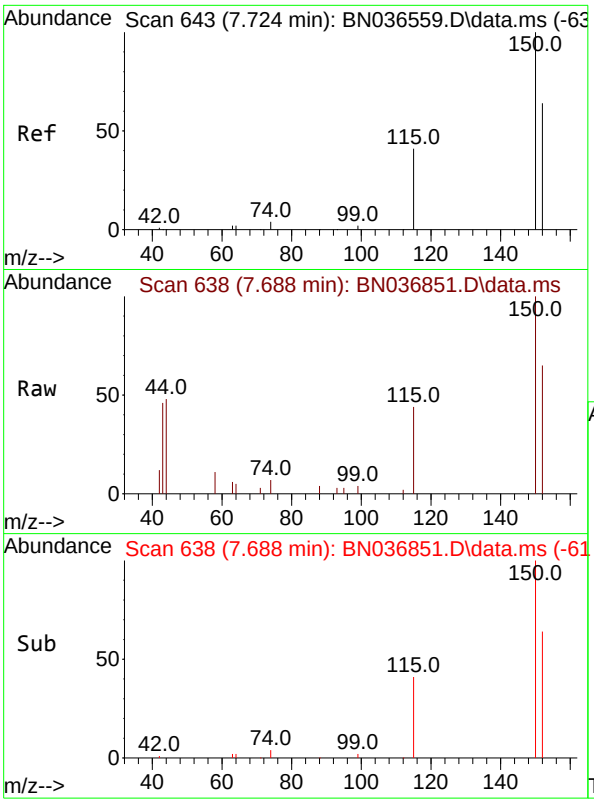


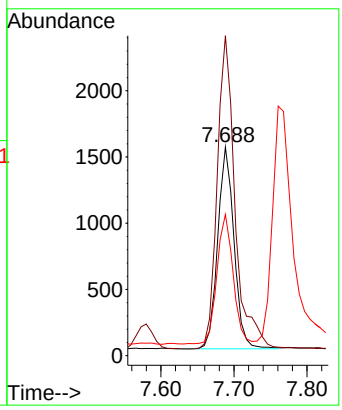


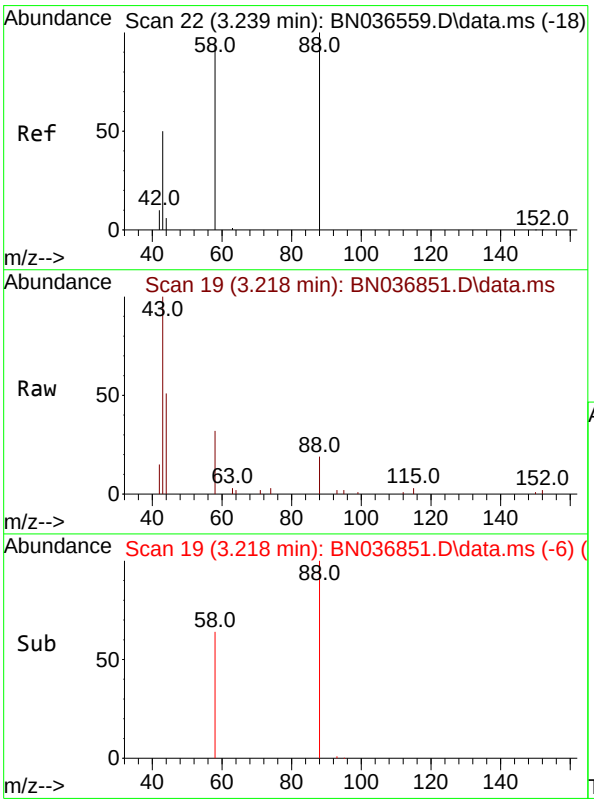
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:152 Resp: 2354

Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.7	185.5
115	67.7	54.3	81.5

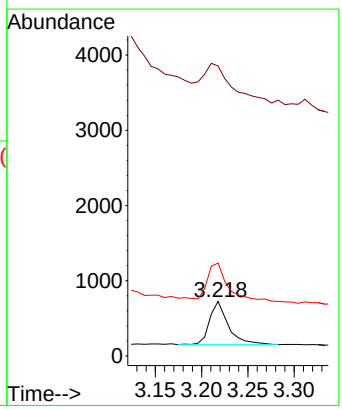


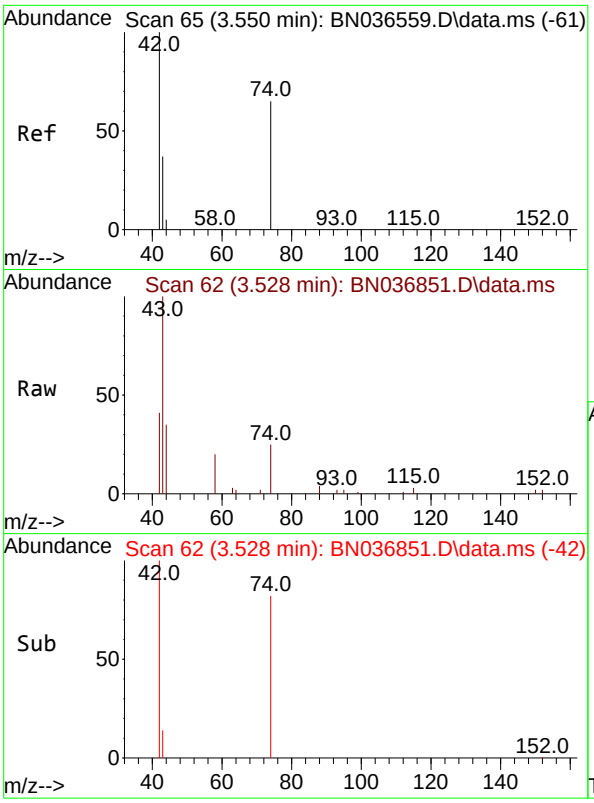


#2
1,4-Dioxane
Concen: 0.308 ng
RT: 3.218 min Scan# 19
Delta R.T. -0.007 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion: 88 Resp: 804

Ion	Ratio	Lower	Upper
88	100		
43	163.9	37.8	56.8#
58	105.1	67.4	101.2#



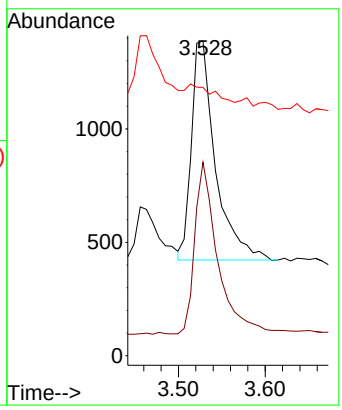


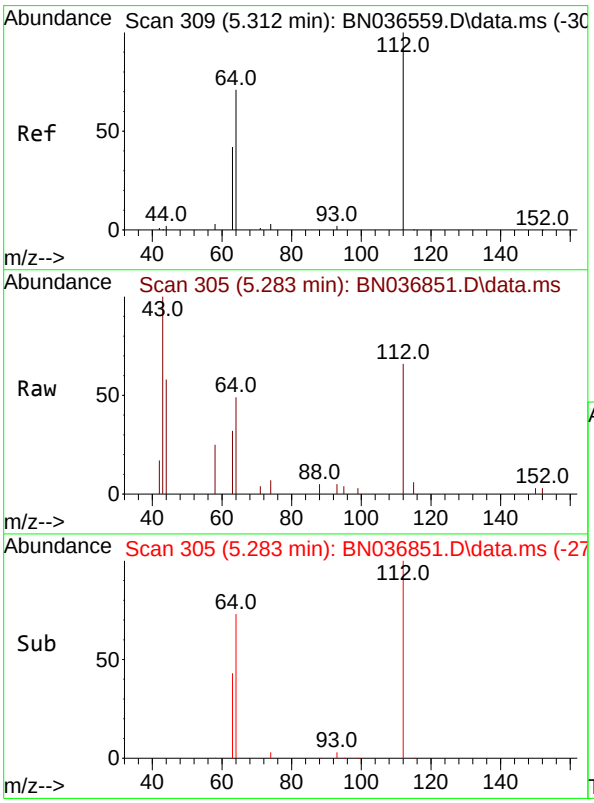
#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.528 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion: 42 Resp: 1855

Ion	Ratio	Lower	Upper
42	100		
74	76.0	60.6	90.8
44	0.0	6.3	9.5#

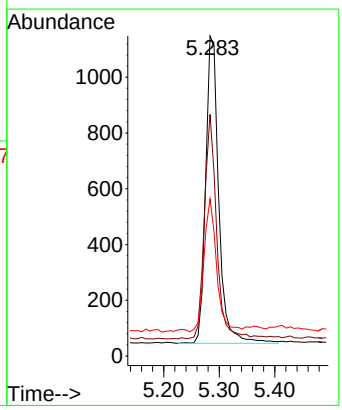


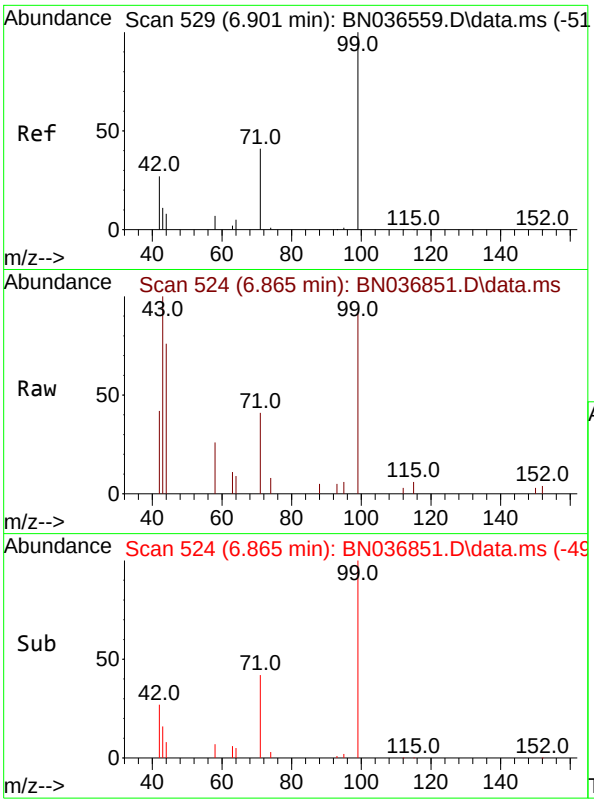


#4
2-Fluorophenol
Concen: 0.329 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:112 Resp: 1804

Ion	Ratio	Lower	Upper
112	100		
64	69.1	53.1	79.7
63	41.7	31.8	47.8



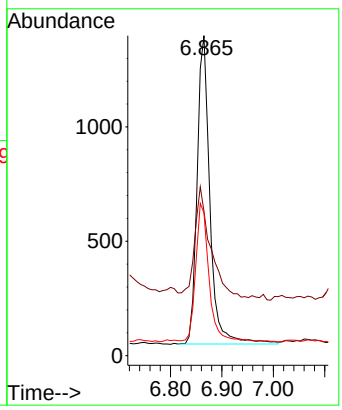


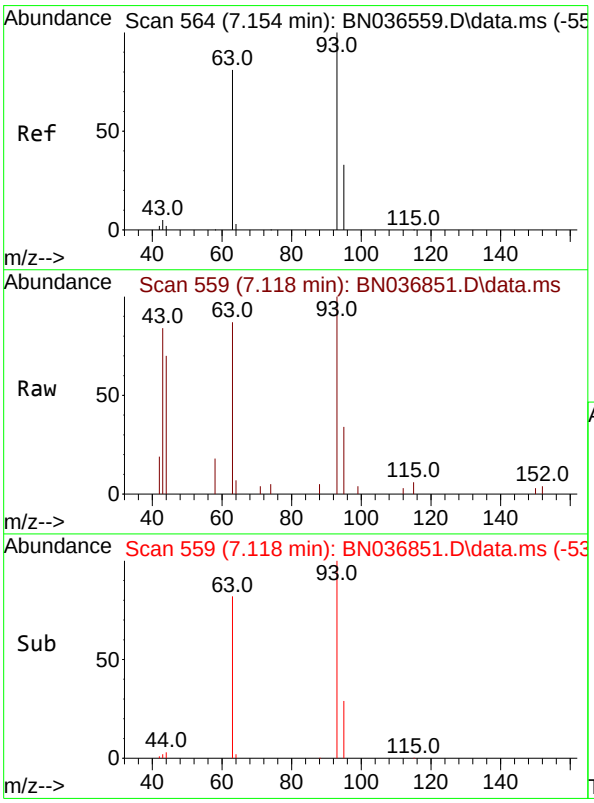
#5
Phenol-d6
Concen: 0.345 ng
RT: 6.865 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion: 99 Resp: 2335

Ion	Ratio	Lower	Upper
99	100		
42	44.1	26.5	39.7#
71	47.1	34.1	51.1

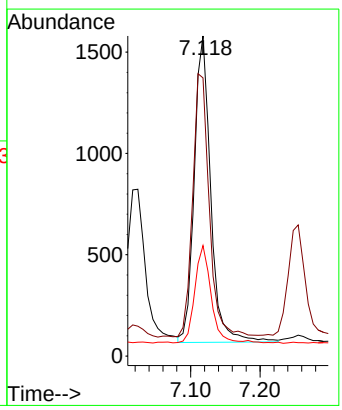


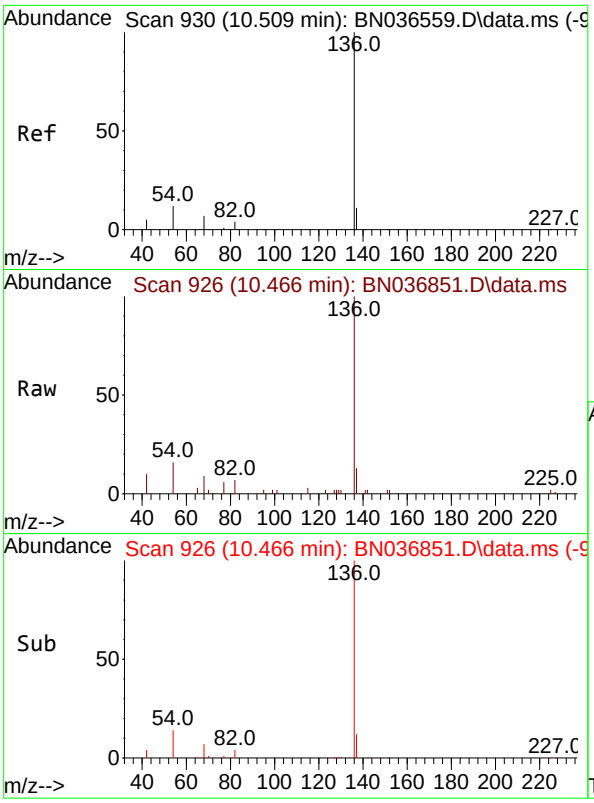


#6
bis(2-Chloroethyl)ether
Concen: 0.357 ng
RT: 7.118 min Scan# 559
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion: 93 Resp: 2498

Ion	Ratio	Lower	Upper
93	100		
63	86.7	67.7	101.5
95	30.8	25.6	38.4



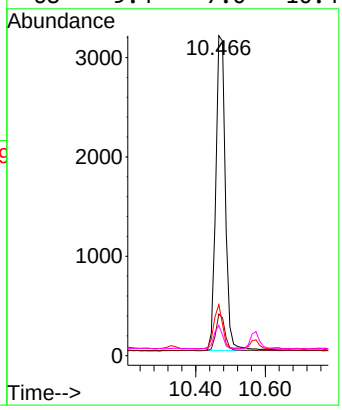


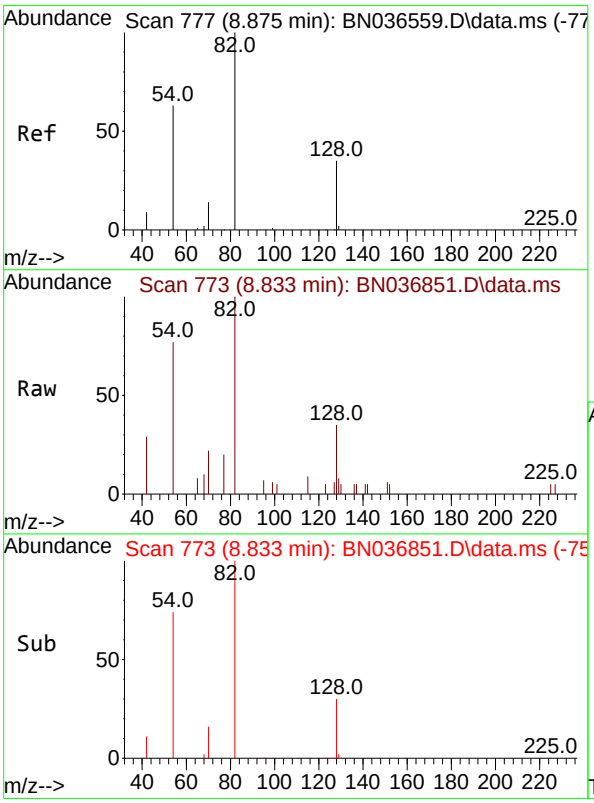
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.466 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:136 Resp: 6078

Ion	Ratio	Lower	Upper
136	100		
137	13.0	10.3	15.5
54	15.9	11.5	17.3
68	9.4	7.0	10.4

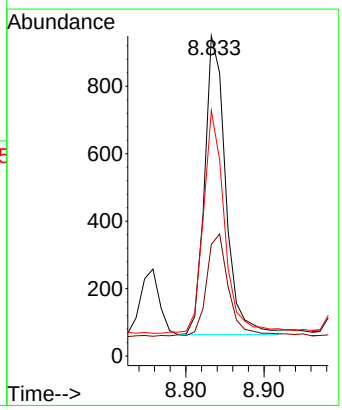


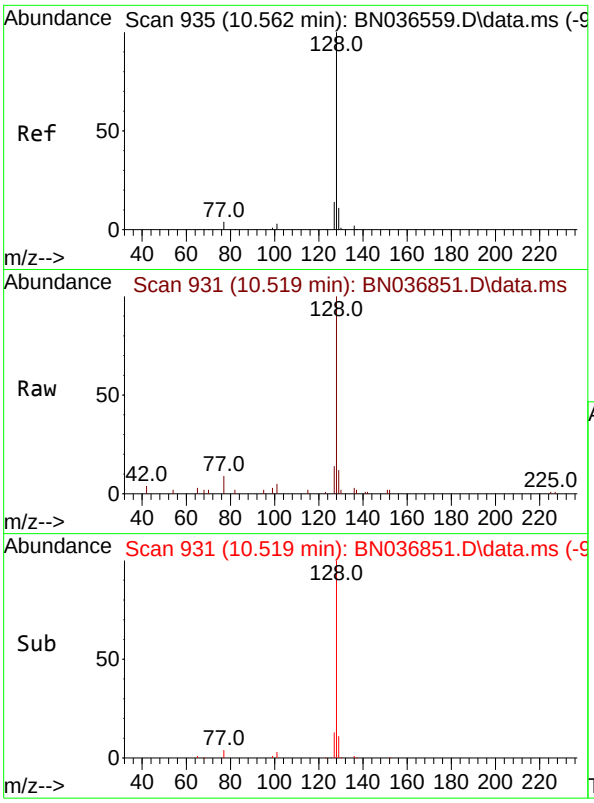


#8
Nitrobenzene-d5
Concen: 0.251 ng
RT: 8.833 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion: 82 Resp: 1657

Ion	Ratio	Lower	Upper
82	100		
128	34.9	30.6	45.8
54	76.7	52.2	78.4



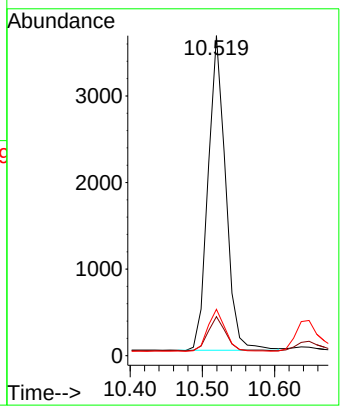


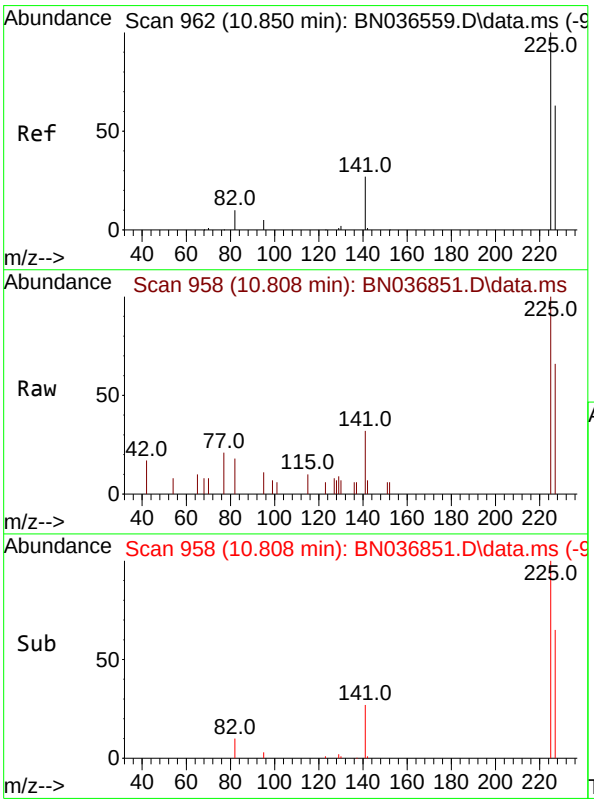
#9
Naphthalene
Concen: 0.343 ng
RT: 10.519 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:128 Resp: 6140

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.5	11.8	17.8

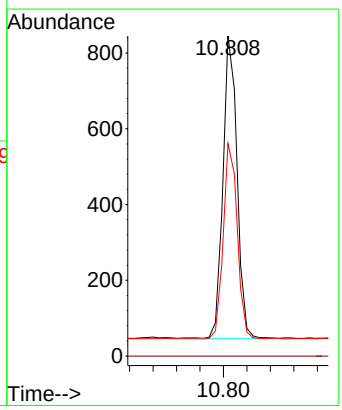


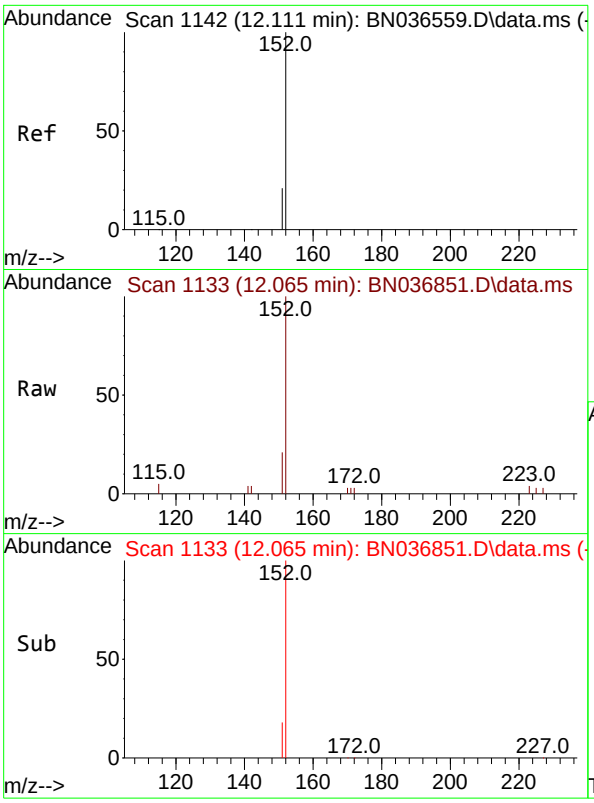


#10
Hexachlorobutadiene
Concen: 0.313 ng
RT: 10.808 min Scan# 958
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:225 Resp: 1319

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.8	77.8



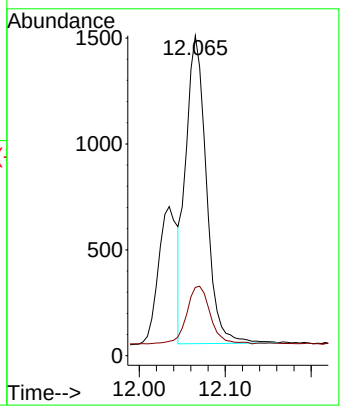


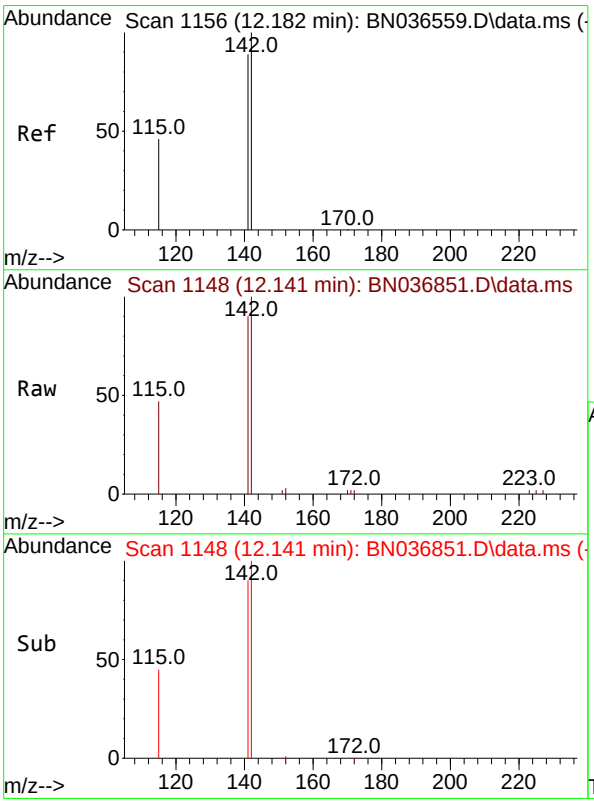
#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 12.065 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:152 Resp: 2414

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.6

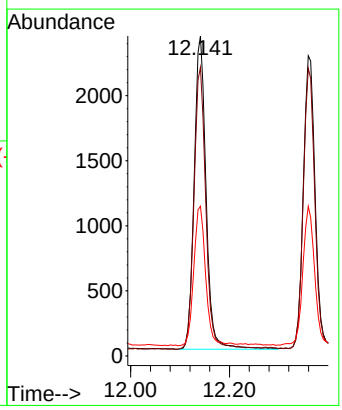


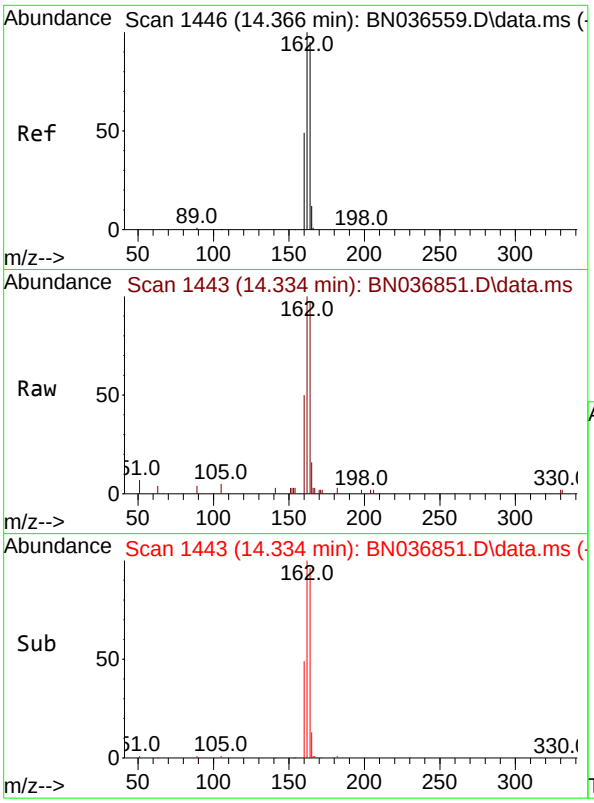


#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.005 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:142 Resp: 4012

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.7	107.5
115	46.8	38.3	57.5



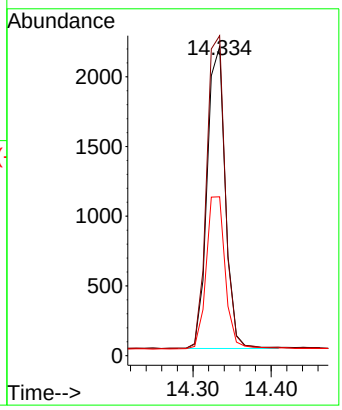


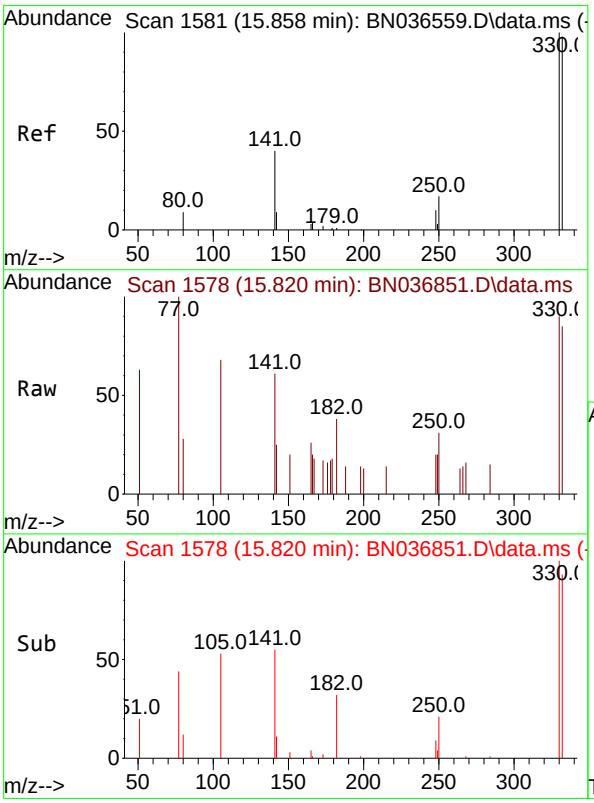
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:164 Resp: 3507

Ion	Ratio	Lower	Upper
164	100		
162	103.5	84.2	126.2
160	51.4	42.2	63.2

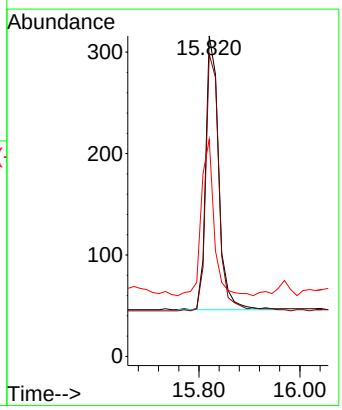


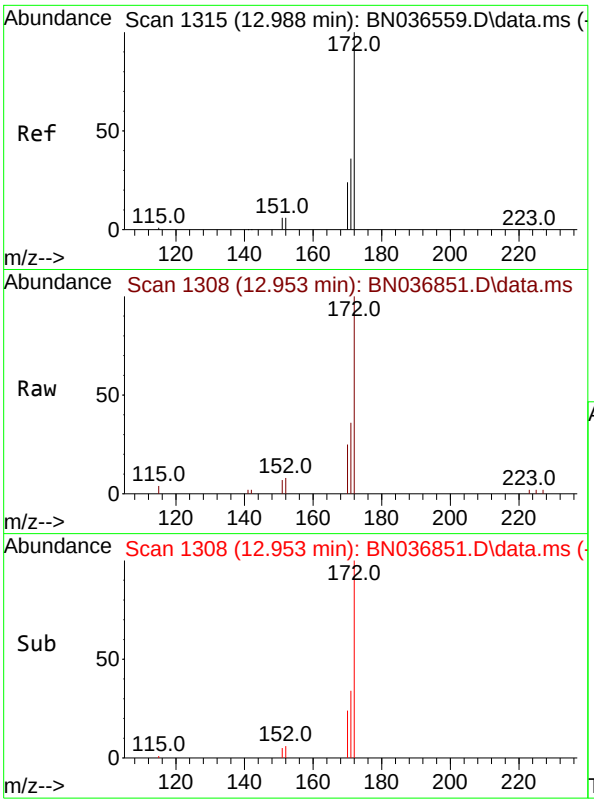


#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.820 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:330 Resp: 485

Ion	Ratio	Lower	Upper
330	100		
332	95.5	75.2	112.8
141	55.7	43.4	65.2



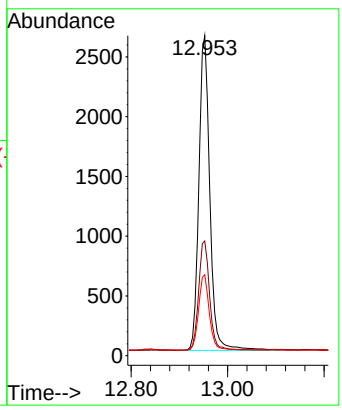


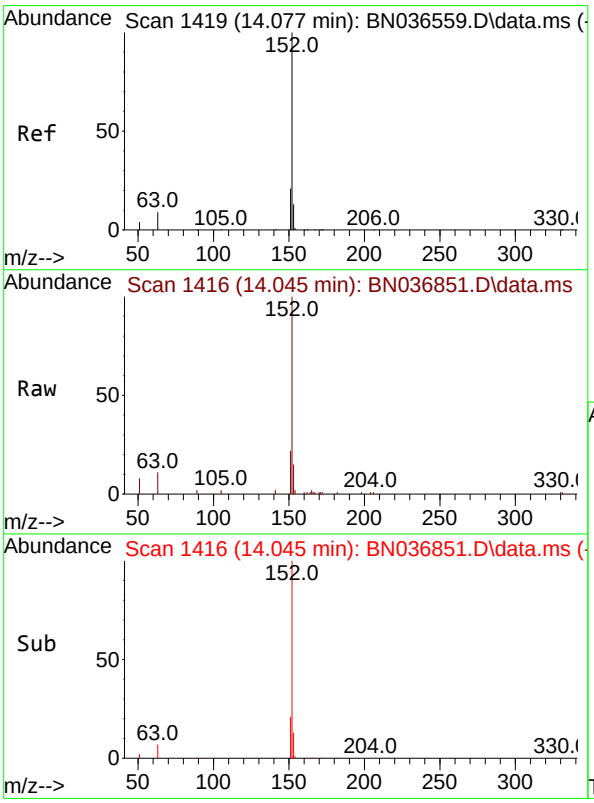
#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 12.953 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:172 Resp: 5409

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.5	44.3
170	25.3	20.2	30.4

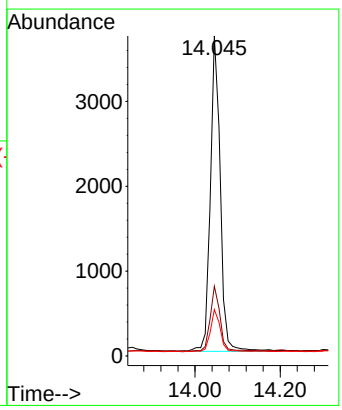


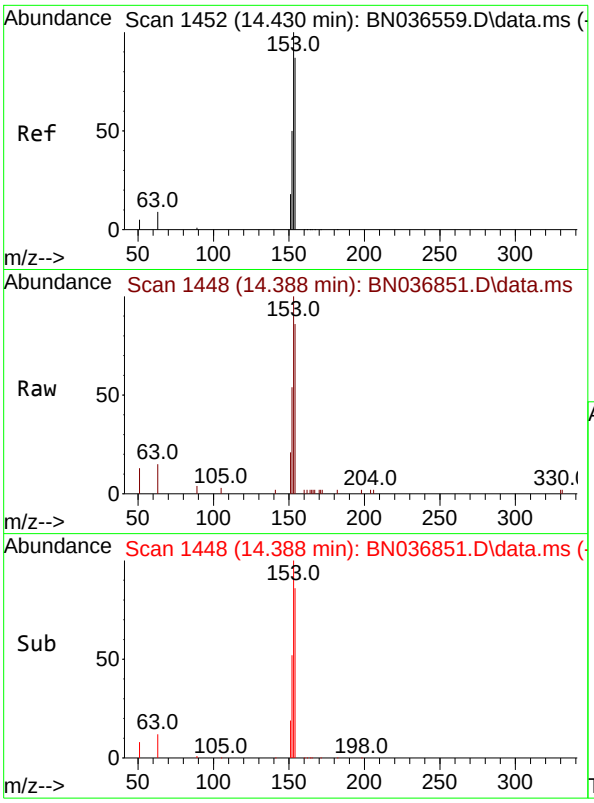


#16
Acenaphthylene
Concen: 0.362 ng
RT: 14.045 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:152 Resp: 5984

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.5	10.6	15.8



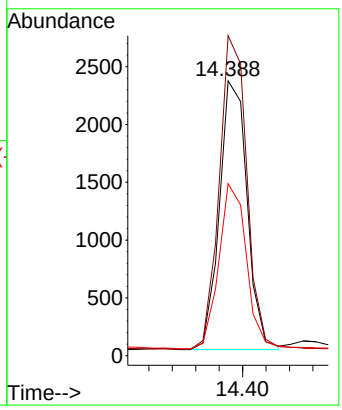


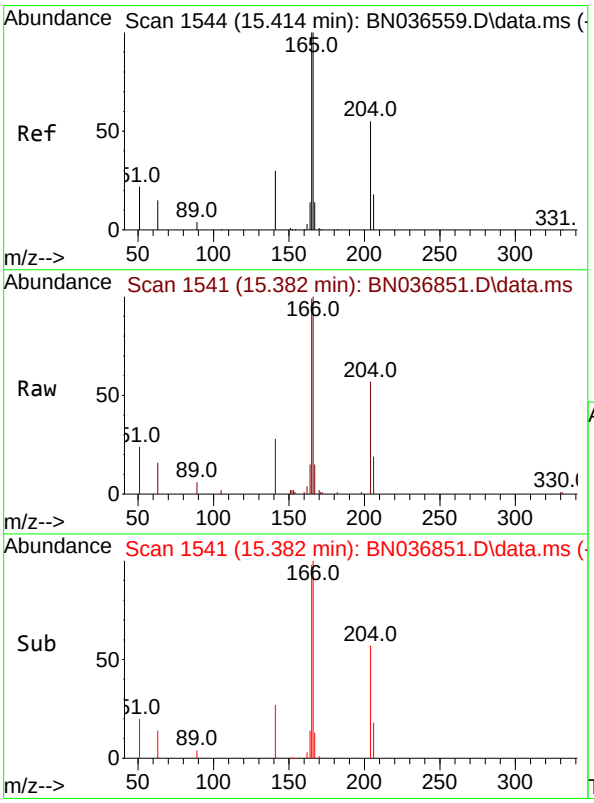
#17
Acenaphthene
Concen: 0.351 ng
RT: 14.388 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:154 Resp: 3806

Ion	Ratio	Lower	Upper
154	100		
153	117.6	94.1	141.1
152	62.0	49.8	74.6

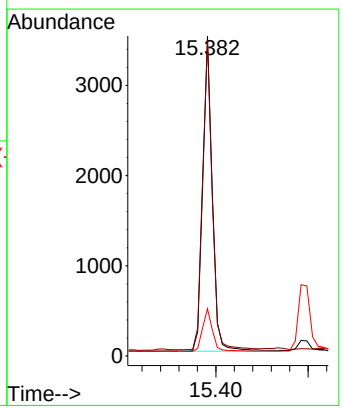


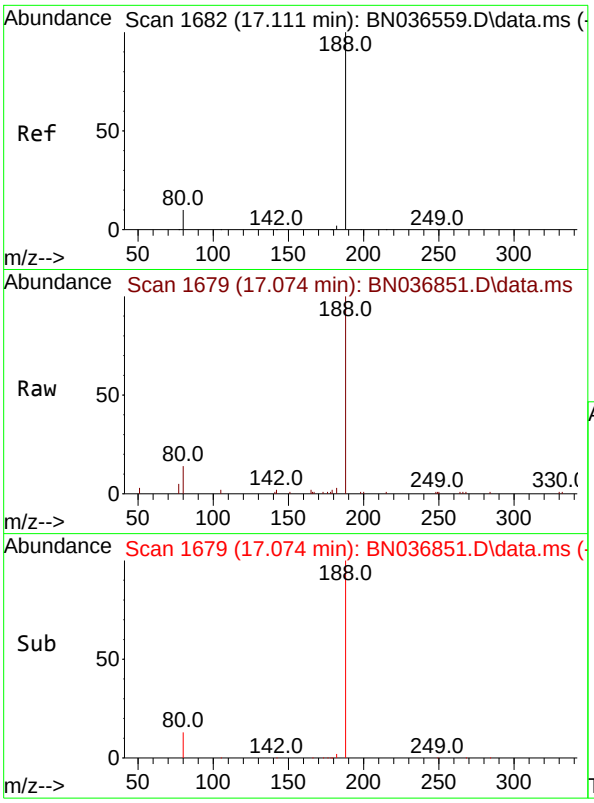


#18
Fluorene
Concen: 0.349 ng
RT: 15.382 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:166 Resp: 5112

Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.8	119.8
167	13.8	10.6	15.8



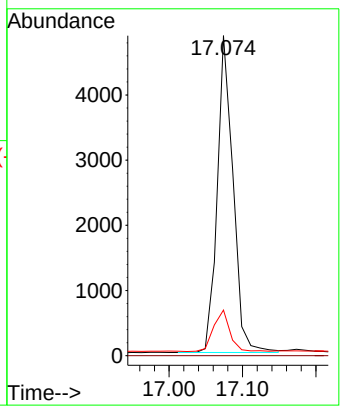


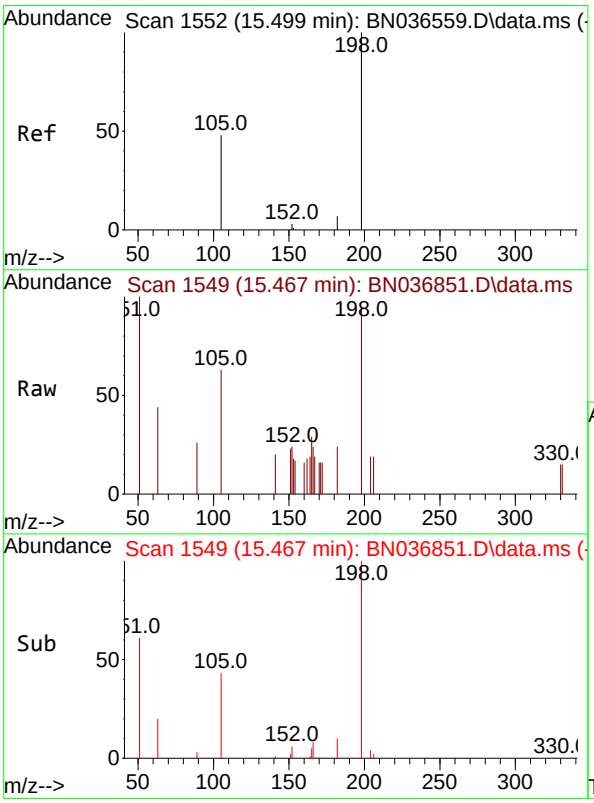
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:188 Resp: 7277

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.3	8.8	13.2#

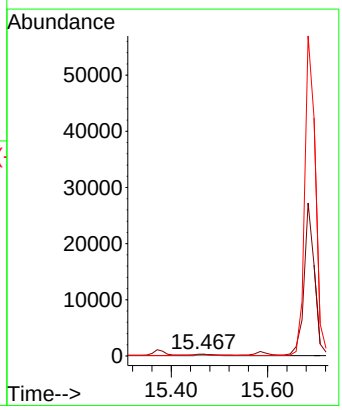


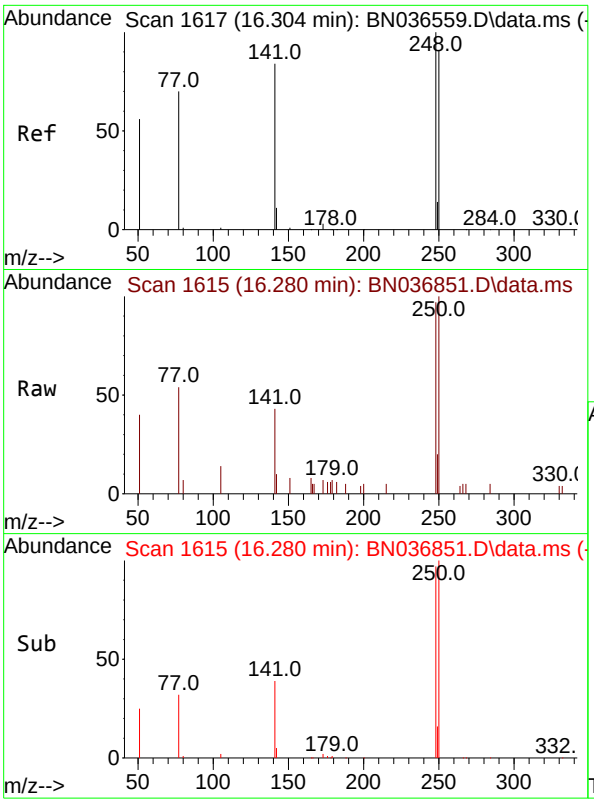


#20
4,6-Dinitro-2-methylphenol
Concen: 0.412 ng
RT: 15.467 min Scan# 1549
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:198 Resp: 495

Ion	Ratio	Lower	Upper
198	100		
51	104.9	107.9	161.9#
105	66.0	56.2	84.2



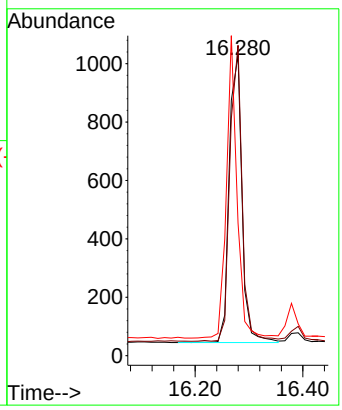


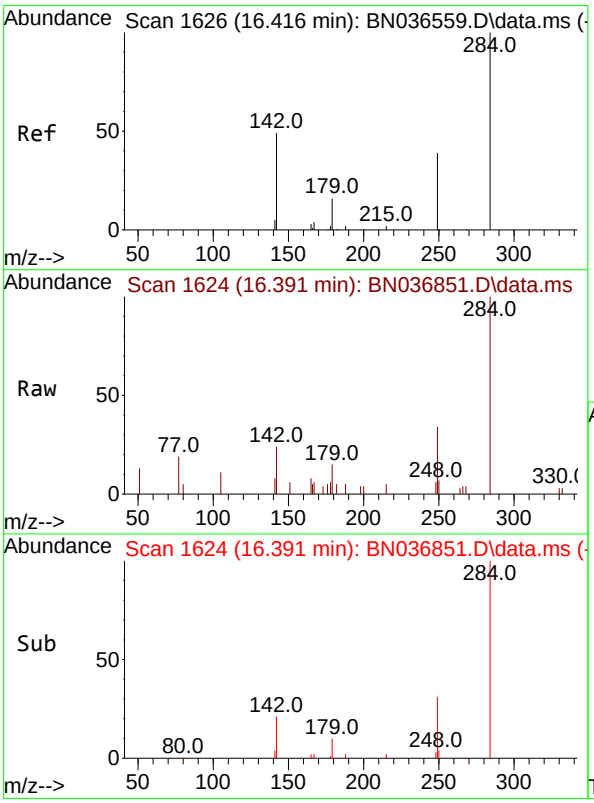
#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 16.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:248 Resp: 1620

Ion	Ratio	Lower	Upper
248	100		
250	103.3	73.0	109.6
141	44.1	68.6	103.0#

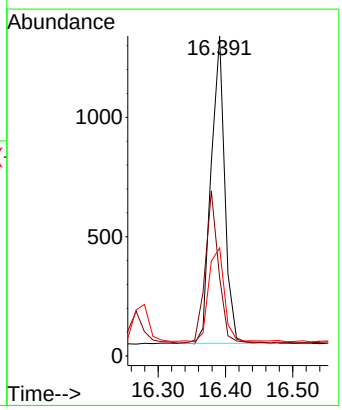


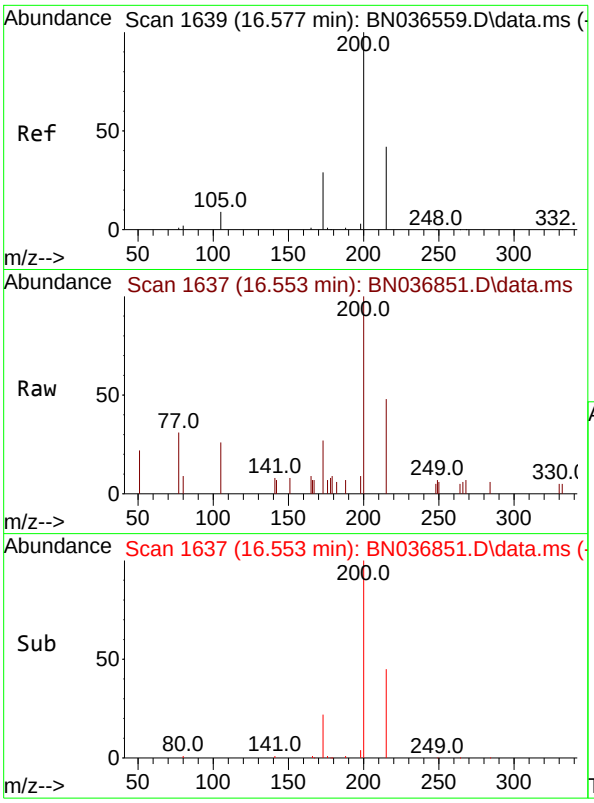


#22
Hexachlorobenzene
Concen: 0.330 ng
RT: 16.391 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:284 Resp: 1819

Ion	Ratio	Lower	Upper
284	100		
142	48.5	37.0	55.4
249	35.7	28.1	42.1



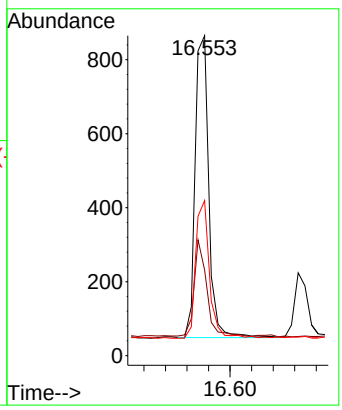


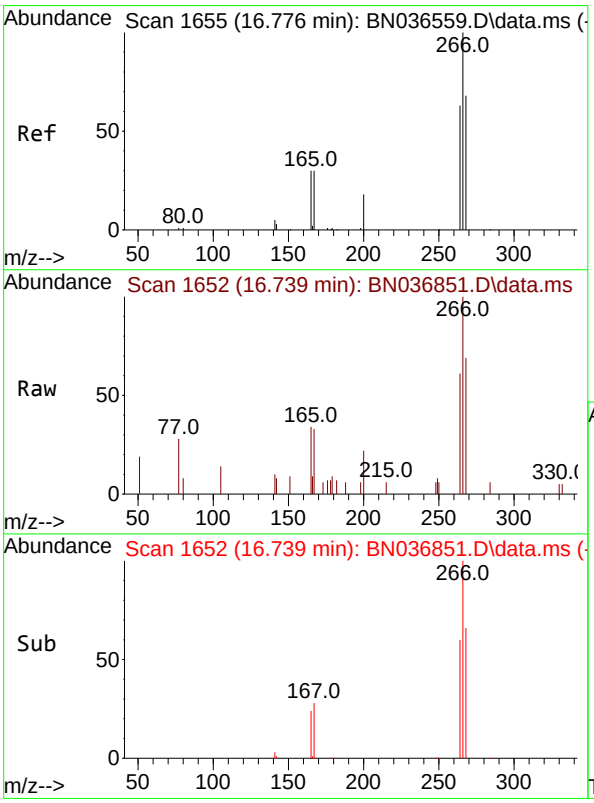
#23
Atrazine
Concen: 0.393 ng
RT: 16.553 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:200 Resp: 1437

Ion	Ratio	Lower	Upper
200	100		
173	26.8	27.3	40.9#
215	48.4	36.8	55.2

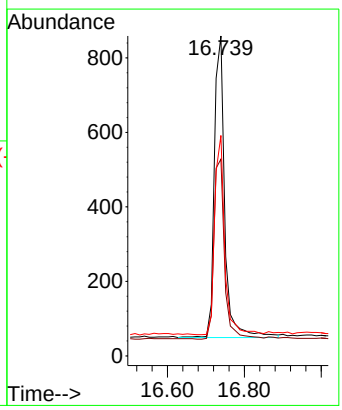


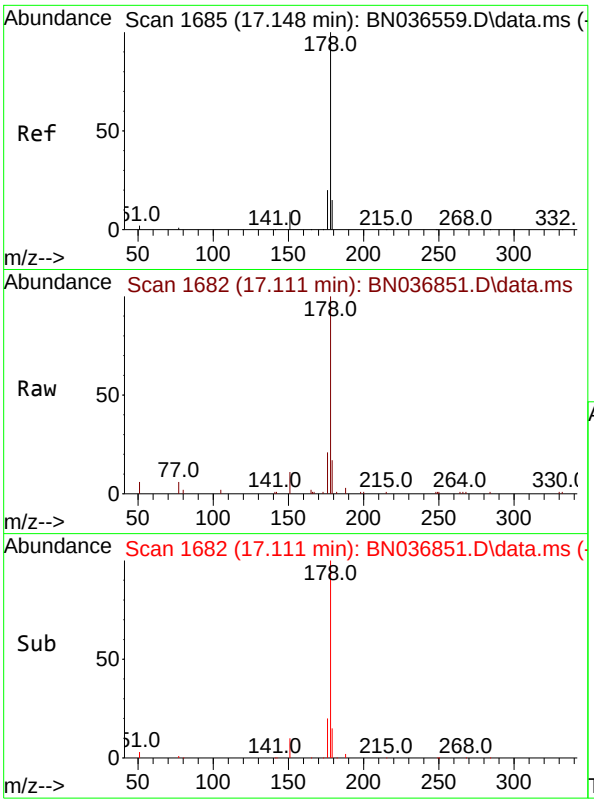


#24
Pentachlorophenol
Concen: 0.604 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:266 Resp: 1517

Ion	Ratio	Lower	Upper
266	100		
264	60.5	49.6	74.4
268	63.5	50.9	76.3



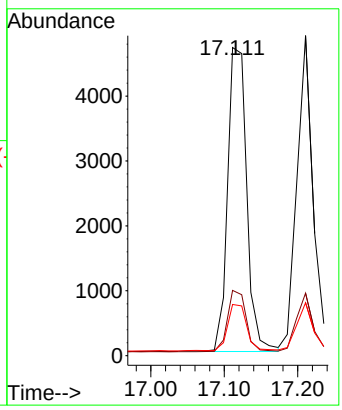


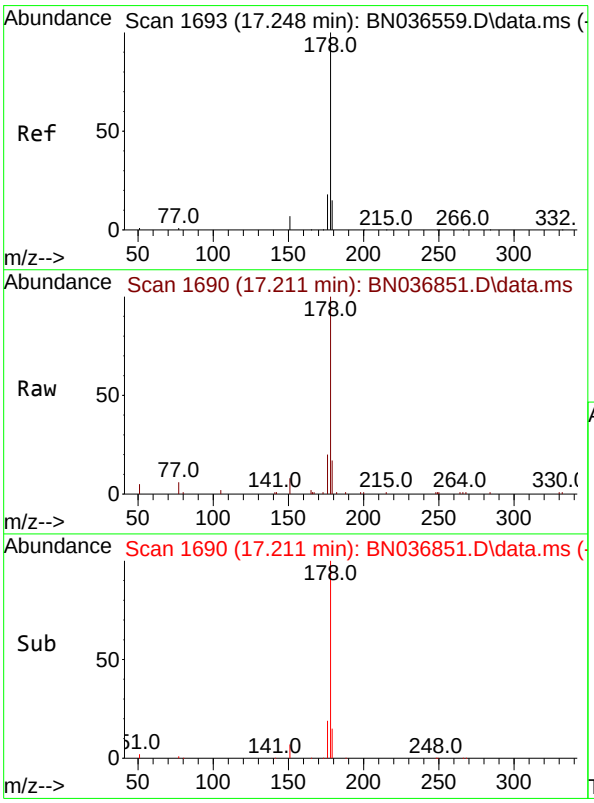
#25
Phenanthrene
Concen: 0.389 ng
RT: 17.111 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:178 Resp: 8495

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.5	12.2	18.4

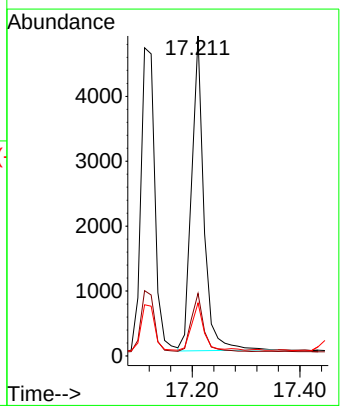


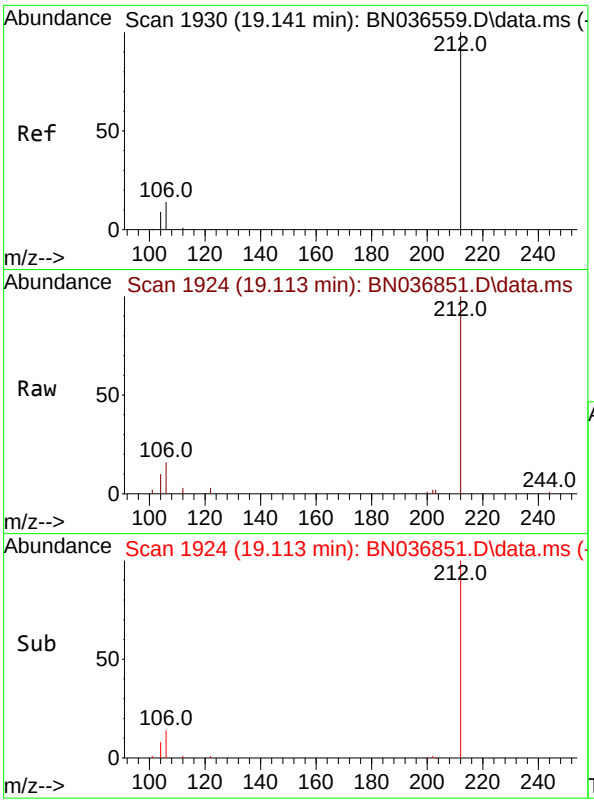


#26
Anthracene
Concen: 0.392 ng
RT: 17.211 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:178 Resp: 7730

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.5	12.6	18.8



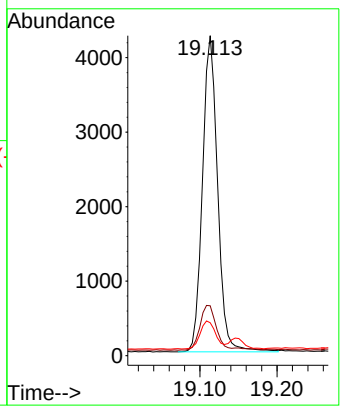


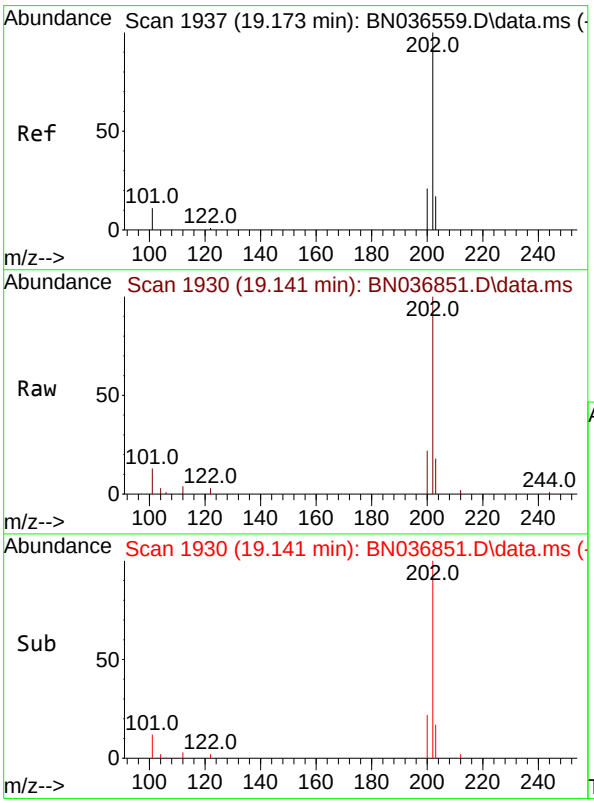
#27
Fluoranthene-d10
Concen: 0.311 ng
RT: 19.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:212 Resp: 5797

Ion	Ratio	Lower	Upper
212	100		
106	15.9	11.8	17.6
104	9.0	7.3	10.9

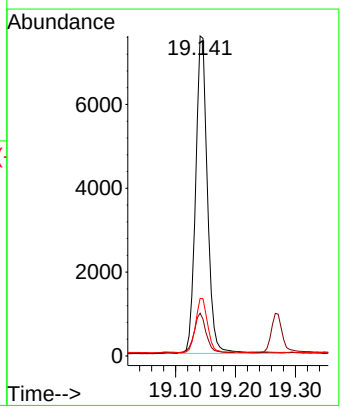


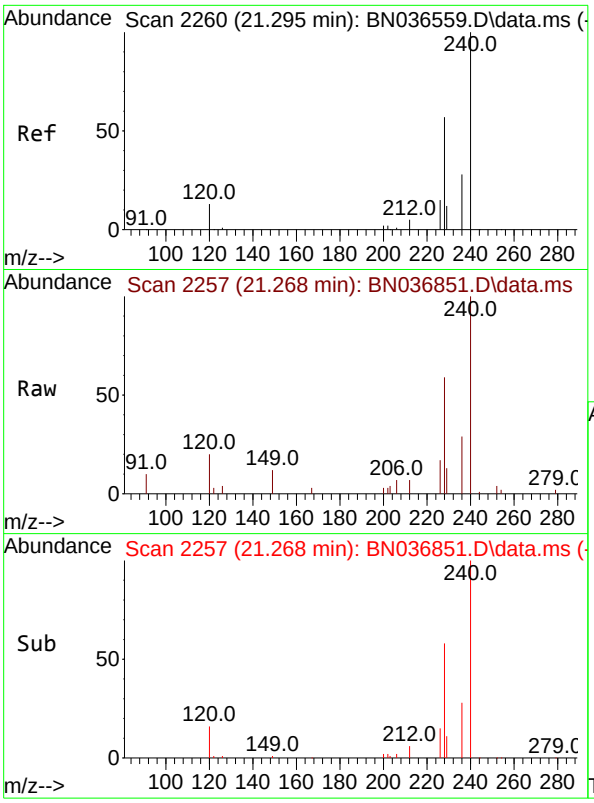


#28
Fluoranthene
Concen: 0.423 ng
RT: 19.141 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:202 Resp: 10367

Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.4	14.0
203	17.2	13.5	20.3



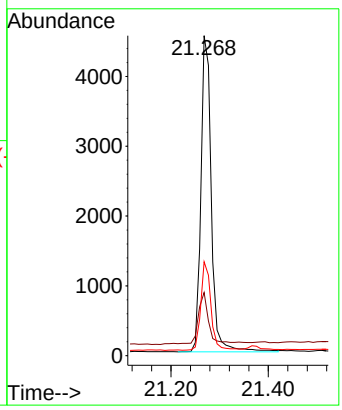


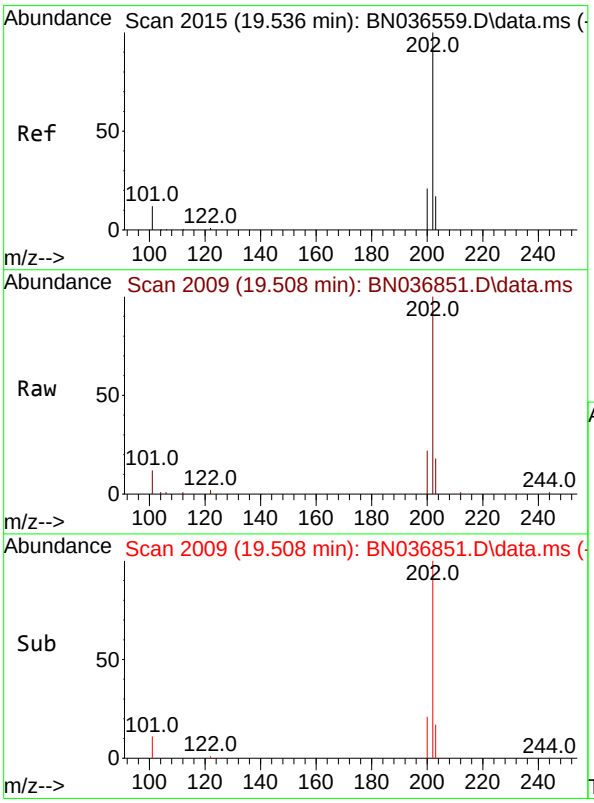
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:240 Resp: 6717

Ion	Ratio	Lower	Upper
240	100		
120	19.7	14.6	22.0
236	29.3	24.1	36.1

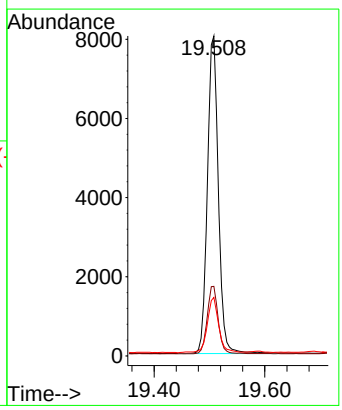


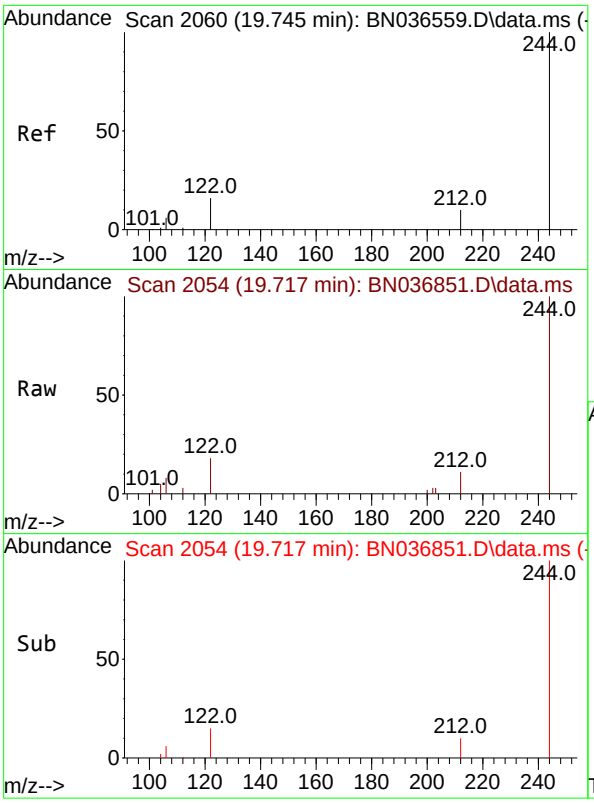


#30
Pyrene
Concen: 0.336 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:202 Resp: 11046

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	18.2	14.1	21.1



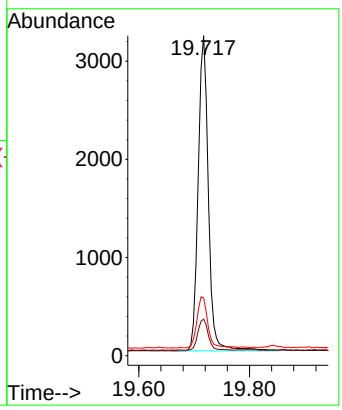


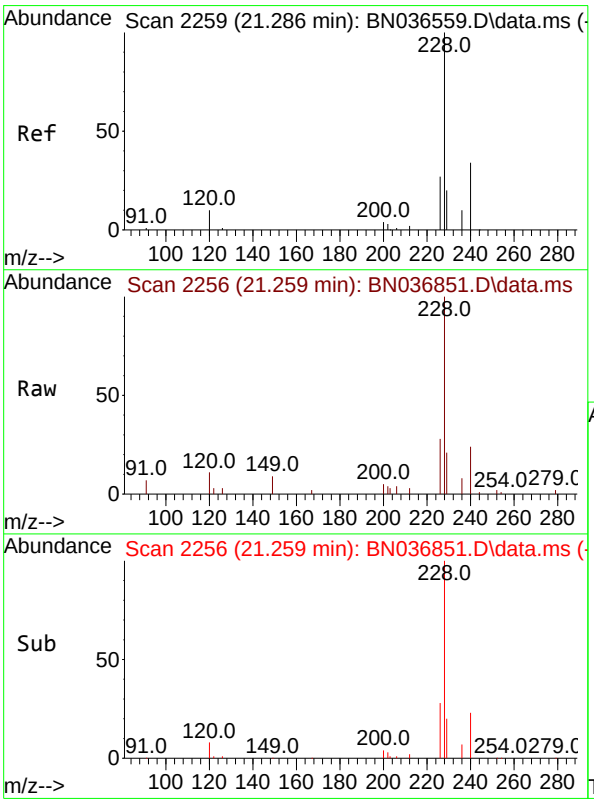
#31
Terphenyl-d14
Concen: 0.258 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:244 Resp: 4144

Ion	Ratio	Lower	Upper
244	100		
212	11.4	9.6	14.4
122	18.0	13.9	20.9

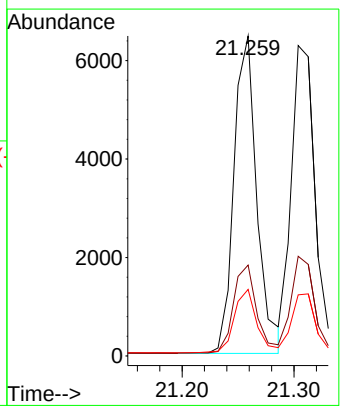


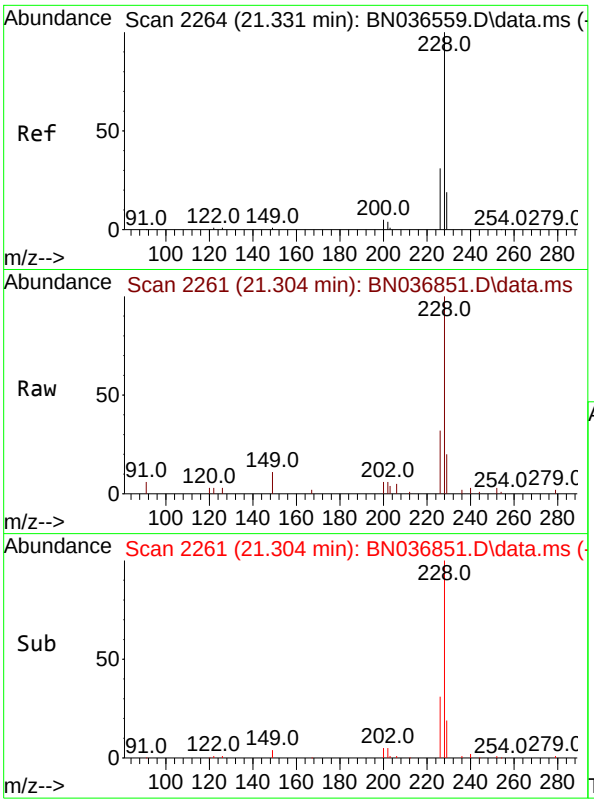


#32
Benzo(a)anthracene
Concen: 0.395 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:228 Resp: 9220

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	20.8	16.6	25.0



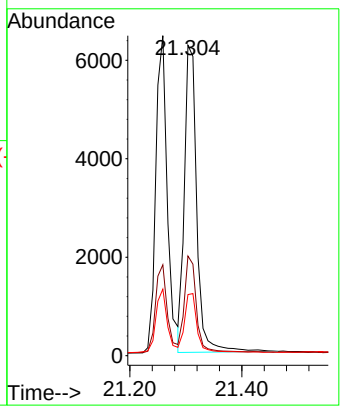


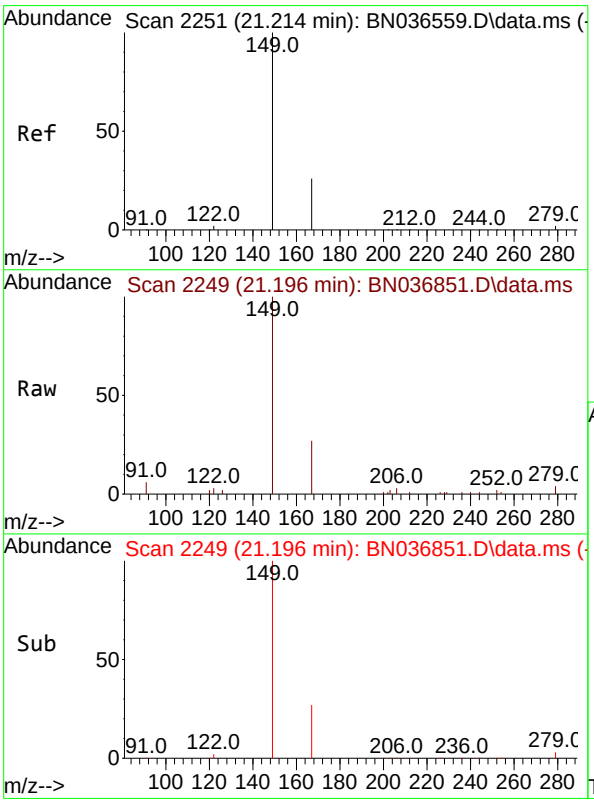
#33
Chrysene
Concen: 0.376 ng
RT: 21.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:228 Resp: 9602

Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.3	37.9
229	19.7	15.8	23.8

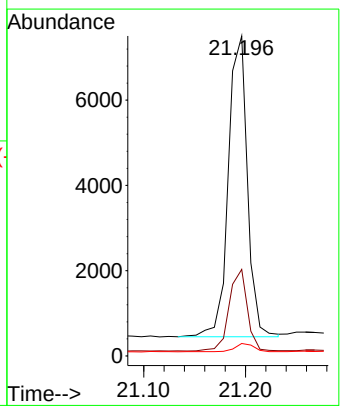


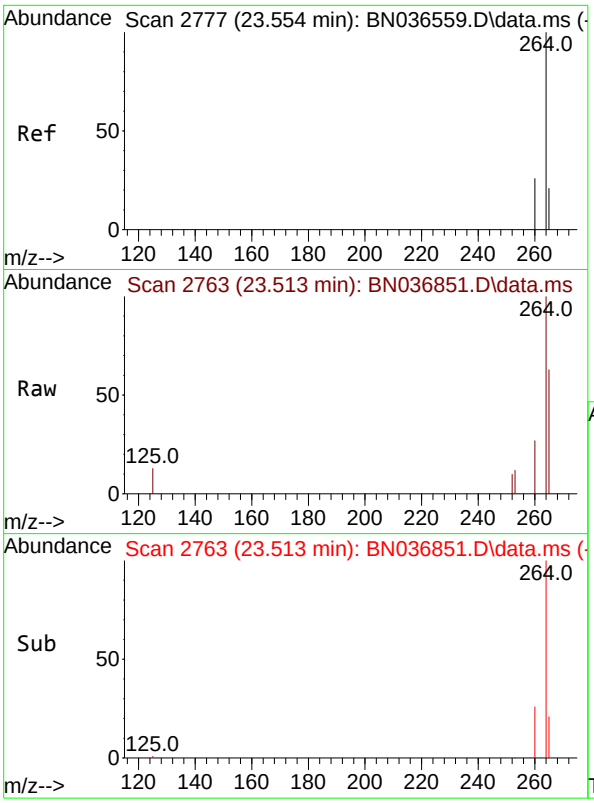


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.552 ng
RT: 21.196 min Scan# 2249
Delta R.T. 0.009 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:149 Resp: 9178

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.7	31.1
279	2.7	3.6	5.4#



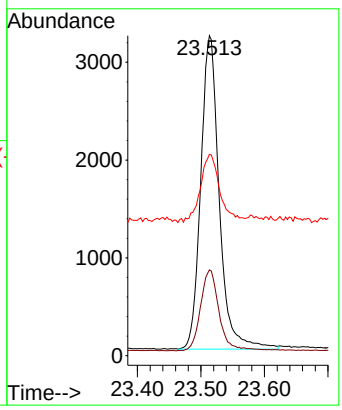


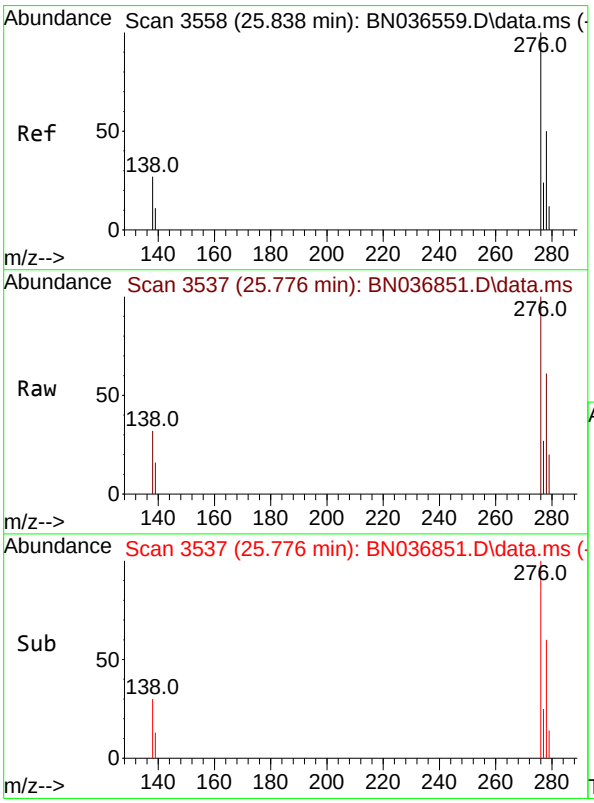
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.513 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:264 Resp: 6473

Ion	Ratio	Lower	Upper
264	100		
260	26.8	22.6	33.8
265	62.9	88.1	132.1#

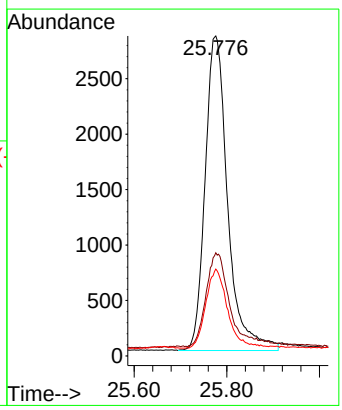


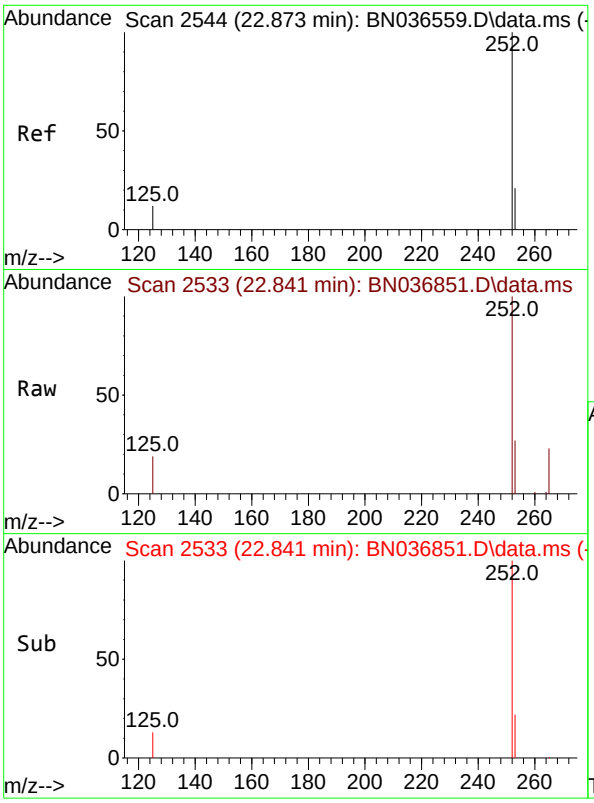


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng
RT: 25.776 min Scan# 3537
Delta R.T. 0.006 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:276 Resp: 9589

Ion	Ratio	Lower	Upper
276	100		
138	31.0	23.4	35.2
277	24.4	20.0	30.0



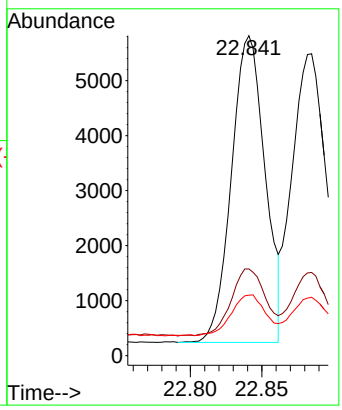


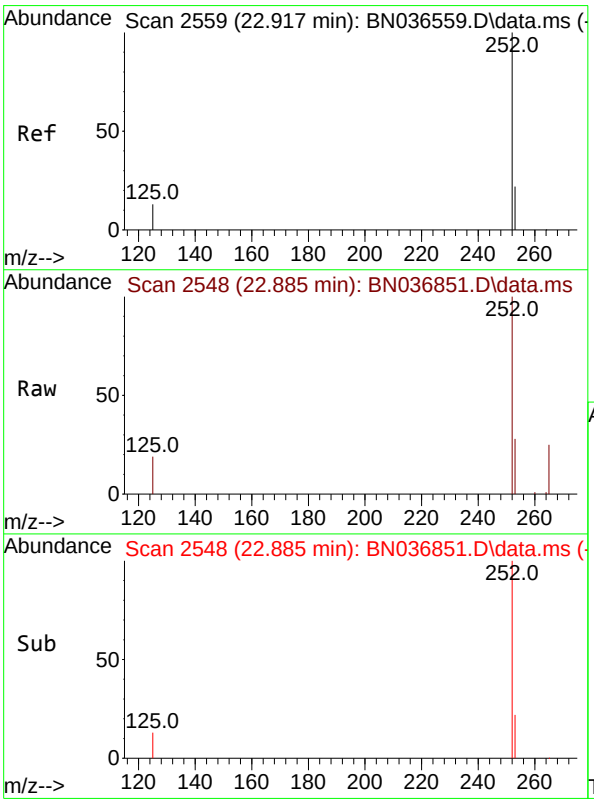
#37
Benzo(b)fluoranthene
Concen: 0.387 ng
RT: 22.841 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:252 Resp: 9121

Ion	Ratio	Lower	Upper
252	100		
253	27.1	23.9	35.9
125	18.9	17.4	26.2

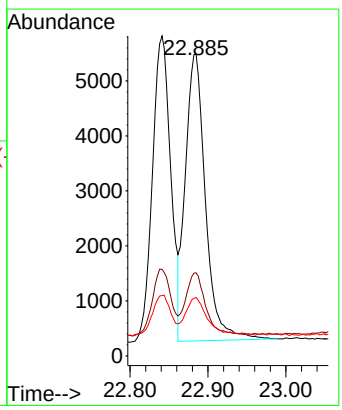


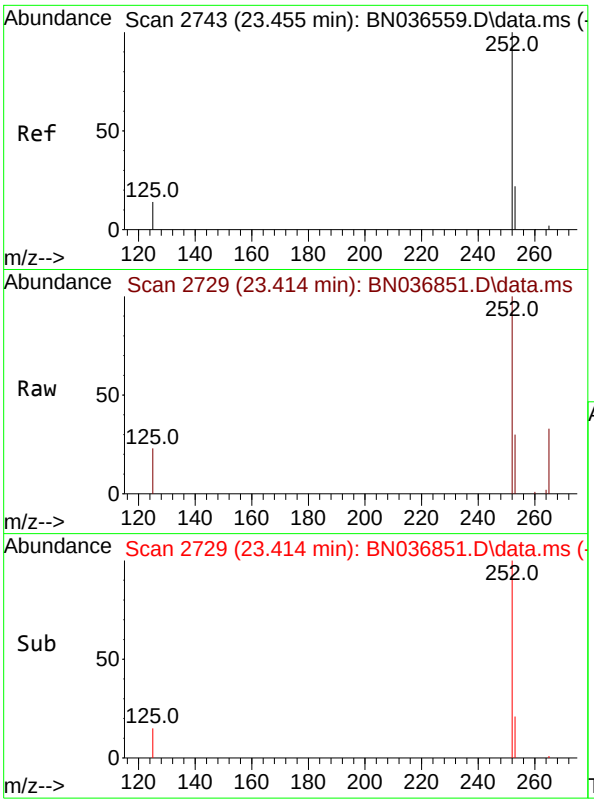


#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 22.885 min Scan# 2548
Delta R.T. 0.006 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:252 Resp: 9355

Ion	Ratio	Lower	Upper
252	100		
253	27.6	24.6	36.8
125	19.4	17.8	26.8



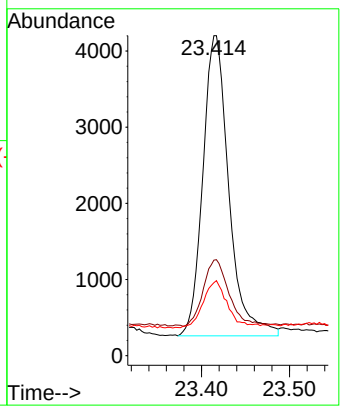


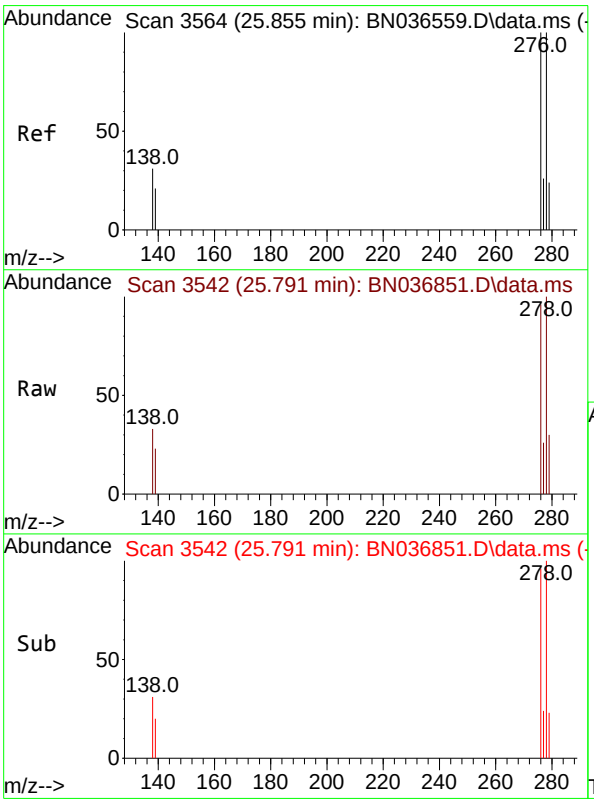
#39
Benzo(a)pyrene
Concen: 0.409 ng
RT: 23.414 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:252 Resp: 8108

Ion	Ratio	Lower	Upper
252	100		
253	29.8	27.8	41.8
125	22.8	22.7	34.1

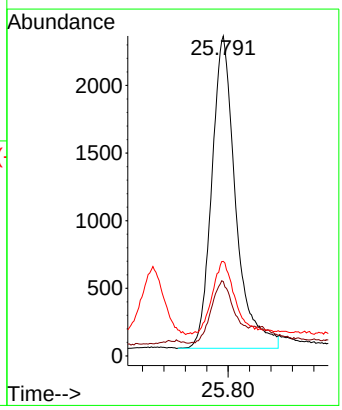


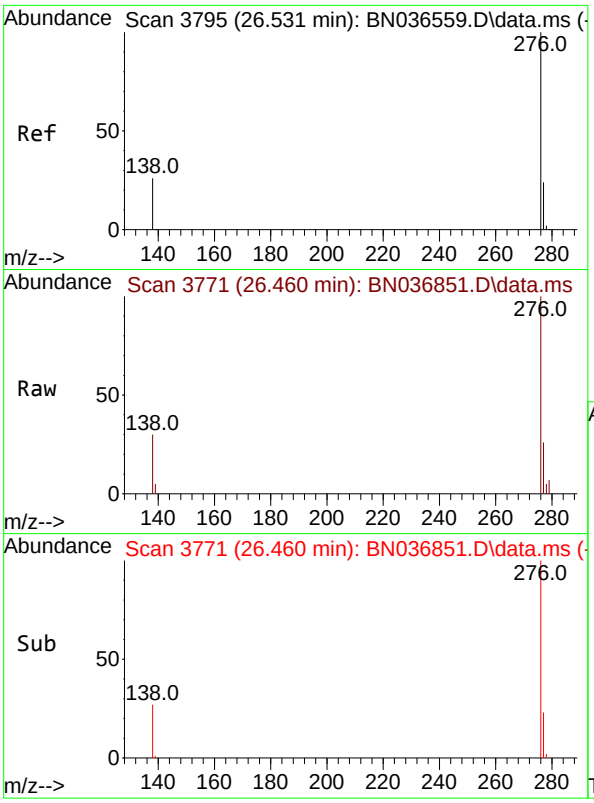


#40
Dibenzo(a,h)anthracene
Concen: 0.392 ng
RT: 25.791 min Scan# 3542
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:278 Resp: 7130

Ion	Ratio	Lower	Upper
278	100		
139	23.2	20.8	31.2
279	29.5	28.8	43.2





#41
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 26.460 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

Tgt Ion:276 Resp: 7664

Ion	Ratio	Lower	Upper
276	100		
277	25.8	22.2	33.4
138	29.6	24.1	36.1