Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030625\
Data File : BN036537.D
Acq On : 06 Mar 2025 16:36
Operator : RC/JU
Sample : Q1501-05MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Quant Time: Mar 06 17:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 16:08:57 2025
Response via : Initial Calibration

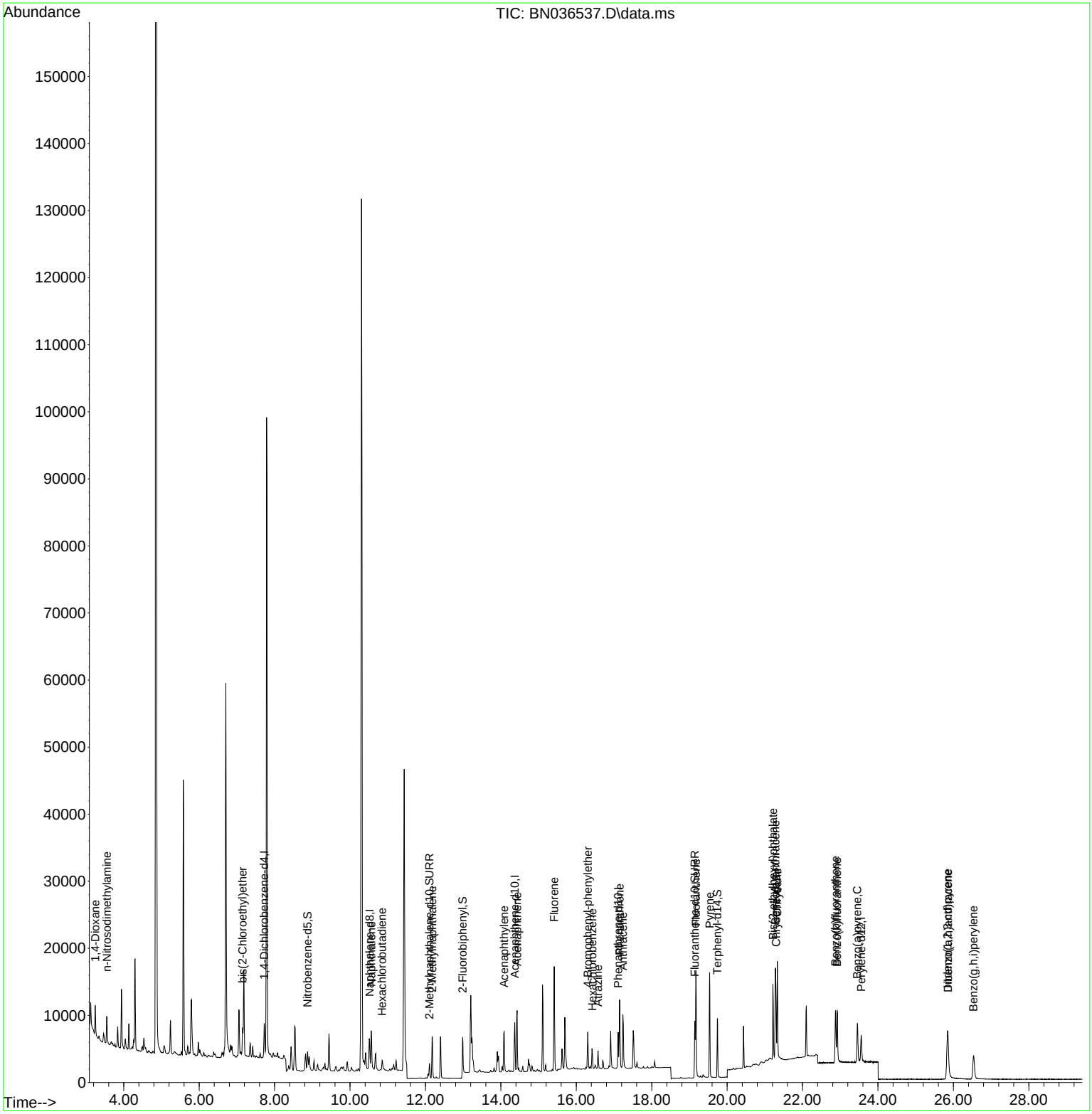
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2381	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	5953	0.400	ng	# 0.01
13) Acenaphthene-d10	14.366	164	3666	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	7245	0.400	ng	0.00
29) Chrysene-d12	21.295	240	6501	0.400	ng	0.00
35) Perylene-d12	23.554	264	5628	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	8.875	82	2127	0.362	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	2931	0.320	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	12.988	172	8027	0.582	ng	0.00
27) Fluoranthene-d10	19.141	212	8866	0.440	ng	0.00
31) Terphenyl-d14	19.740	244	8231	0.593	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	2135	0.820	ng	# 79
3) n-Nitrosodimethylamine	3.550	42	1256	0.278	ng	# 74
6) bis(2-Chloroethyl)ether	7.154	93	3027	0.438	ng	94
9) Naphthalene	10.562	128	6667	0.388	ng	99
10) Hexachlorobutadiene	10.850	225	1241	0.297	ng	# 99
12) 2-Methylnaphthalene	12.182	142	4359	0.387	ng	99
16) Acenaphthylene	14.088	152	7085	0.438	ng	99
17) Acenaphthene	14.430	154	4453	0.412	ng	99
18) Fluorene	15.414	166	6274	0.407	ng	100
21) 4-Bromophenyl-phenylether	16.305	248	1947	0.451	ng	94
22) Hexachlorobenzene	16.429	284	2131	0.399	ng	96
23) Atrazine	16.578	200	1961	0.543	ng	95
25) Phenanthrene	17.149	178	10539	0.503	ng	100
26) Anthracene	17.235	178	9641	0.522	ng	99
28) Fluoranthene	19.174	202	13013	0.506	ng	# 93
30) Pyrene	19.536	202	13652	0.545	ng	99
32) Benzo(a)anthracene	21.277	228	11007	0.515	ng	98
33) Chrysene	21.331	228	11789	0.509	ng	99
34) Bis(2-ethylhexyl)phtha...	21.214	149	7502	0.563	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.844	276	9697	0.493	ng	98
37) Benzo(b)fluoranthene	22.873	252	9933	0.536	ng	99
38) Benzo(k)fluoranthene	22.917	252	10277	0.539	ng	97
39) Benzo(a)pyrene	23.452	252	8885	0.549	ng	98
40) Dibenzo(a,h)anthracene	25.858	278	7435	0.479	ng	96
41) Benzo(g,h,i)perylene	26.534	276	7669	0.436	ng	99

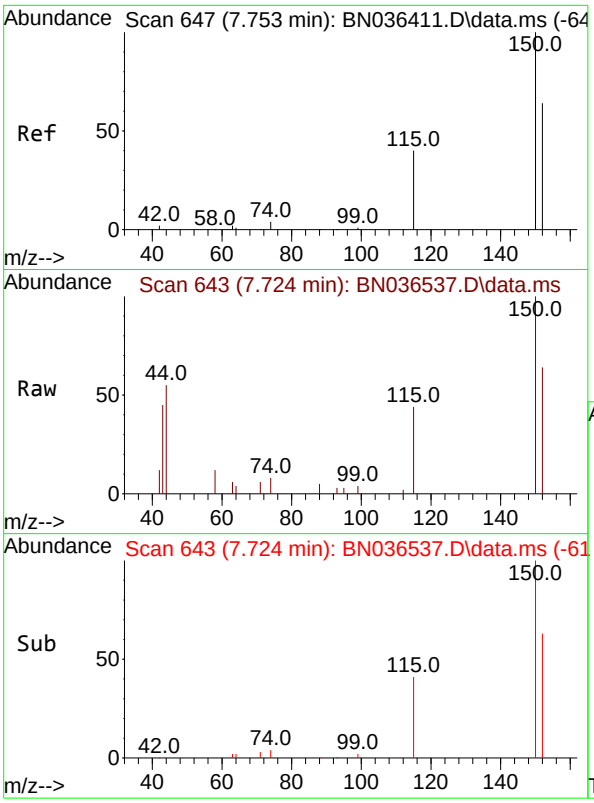
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030625\
Data File : BN036537.D
Acq On : 06 Mar 2025 16:36
Operator : RC/JU
Sample : Q1501-05MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Quant Time: Mar 06 17:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 16:08:57 2025
Response via : Initial Calibration



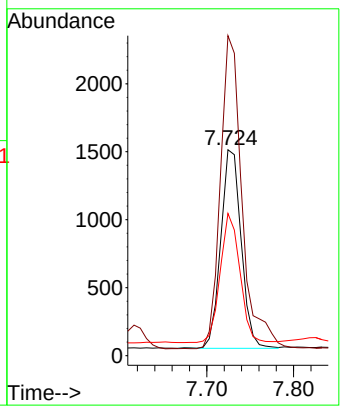


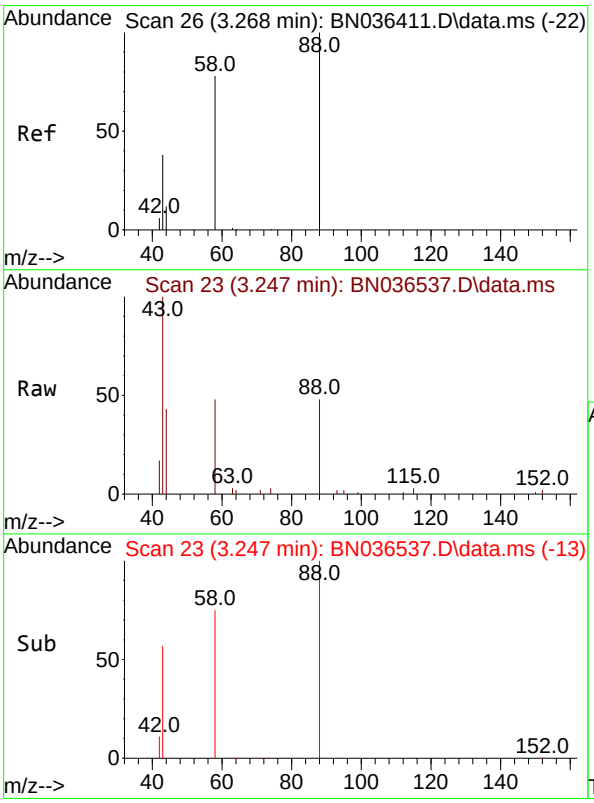
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. -0.008 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:152 Resp: 2381

Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.7	185.5
115	69.0	52.5	78.7

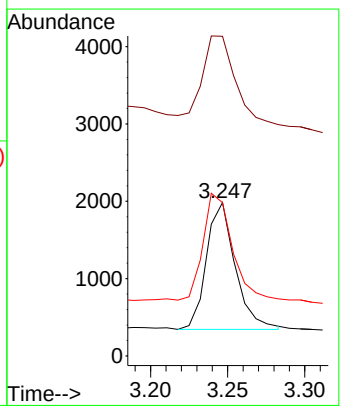


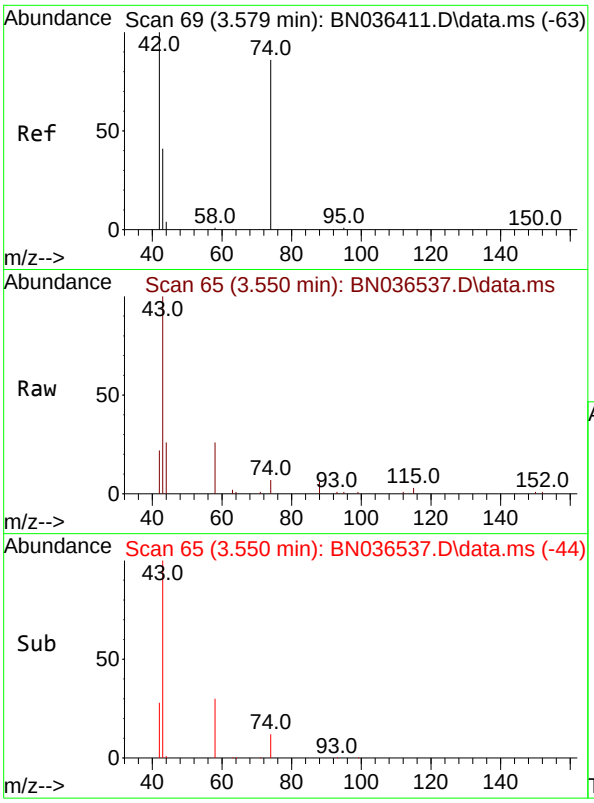


#2
1,4-Dioxane
Concen: 0.820 ng
RT: 3.247 min Scan# 23
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion: 88 Resp: 2135

Ion	Ratio	Lower	Upper
88	100		
43	80.5	33.7	50.5#
58	84.5	68.9	103.3



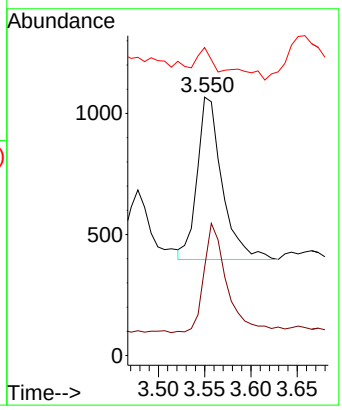


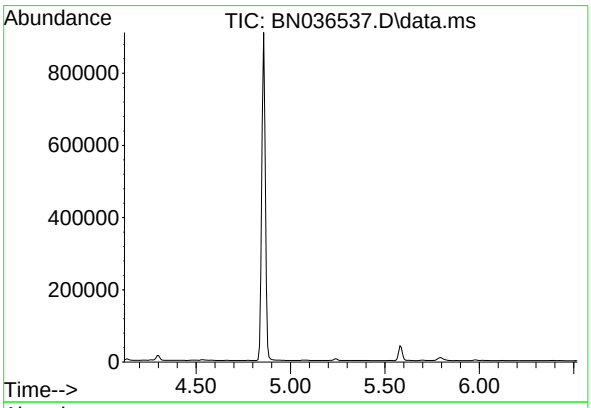
#3
n-Nitrosodimethylamine
Concen: 0.278 ng
RT: 3.550 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion: 42 Resp: 1256

Ion	Ratio	Lower	Upper
42	100		
74	63.3	71.8	107.6#
44	6.6	7.8	11.6#



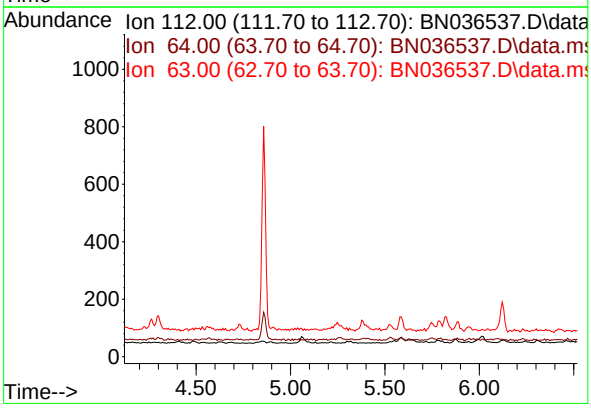


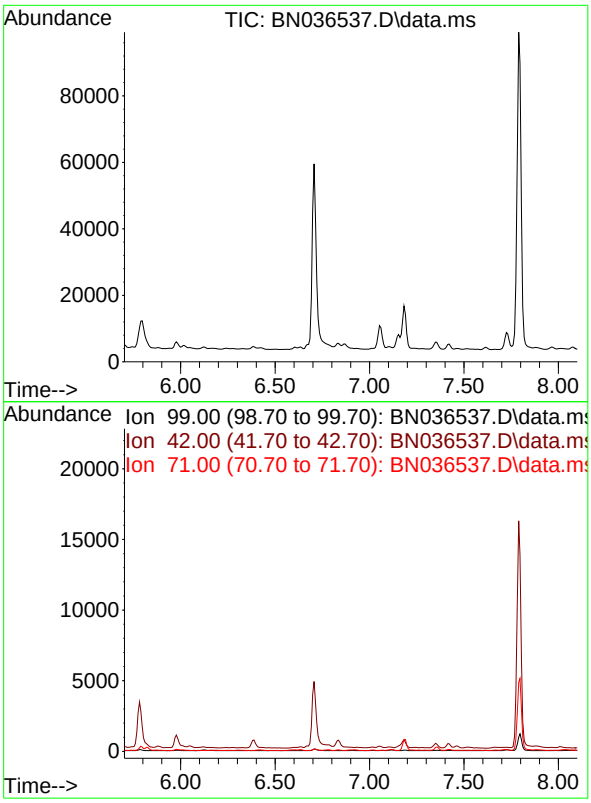
#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.32 min

Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	66.7
63	37.9





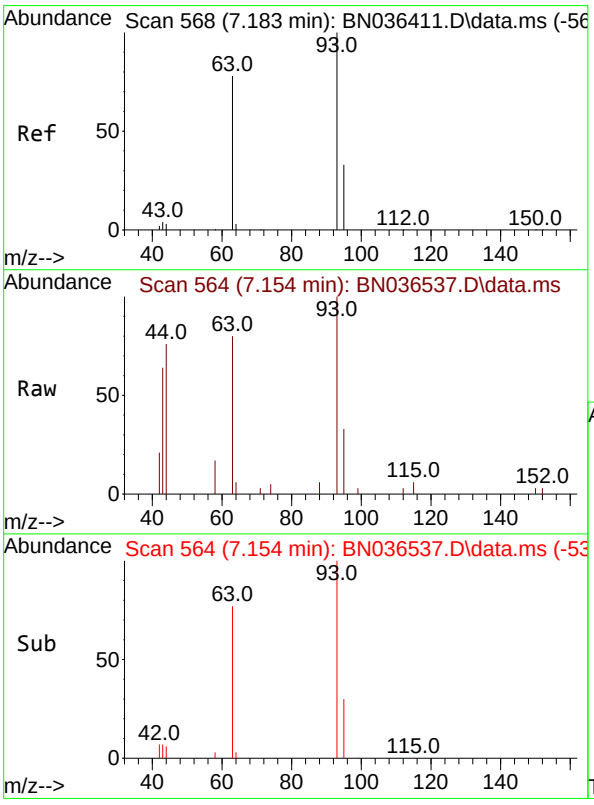
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.90 min

Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion: 99

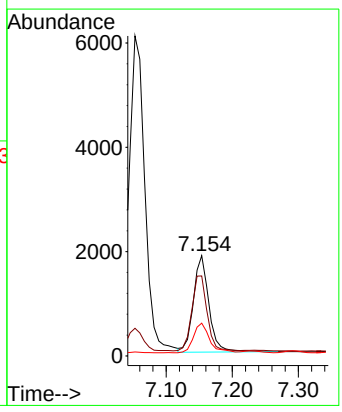
Sig	Exp Ratio
99	100
42	27.1
71	40.8

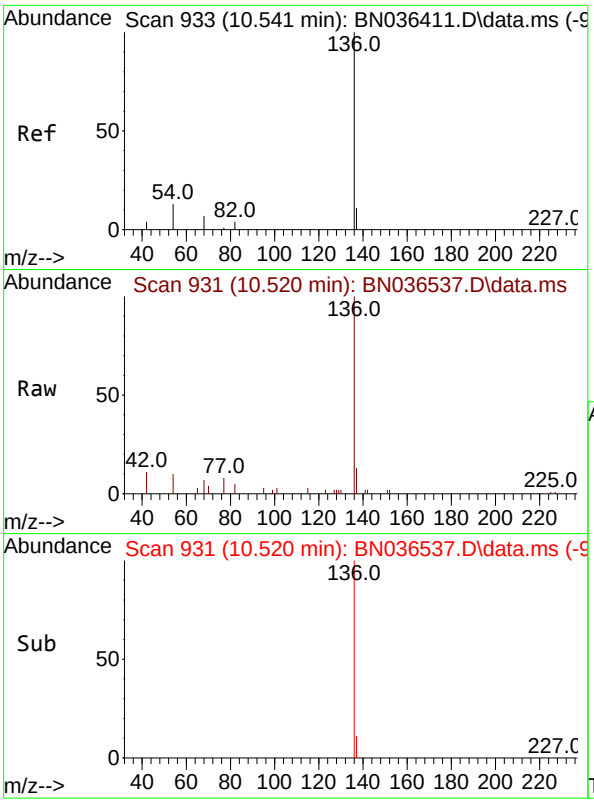


#6
bis(2-Chloroethyl)ether
Concen: 0.438 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion: 93 Resp: 3027

Ion	Ratio	Lower	Upper
93	100		
63	76.2	66.3	99.5
95	31.7	26.2	39.4



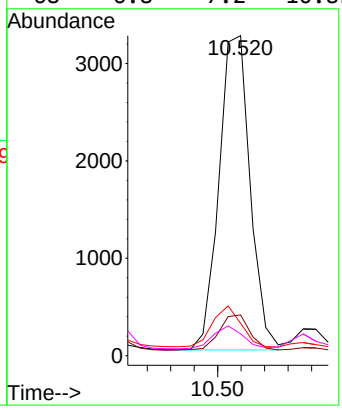


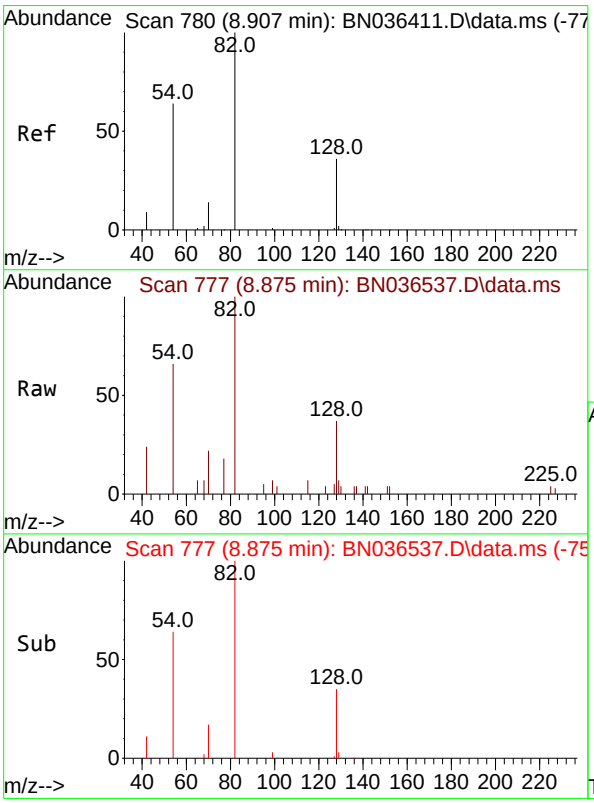
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:136 Resp: 5953

Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.1	15.1
54	10.2	11.8	17.6#
68	6.8	7.2	10.8#

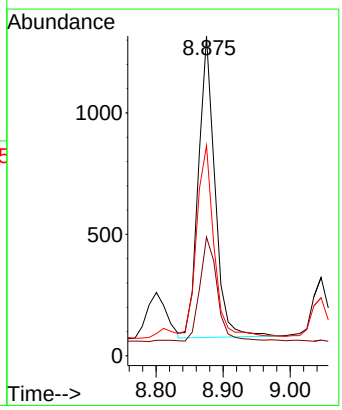


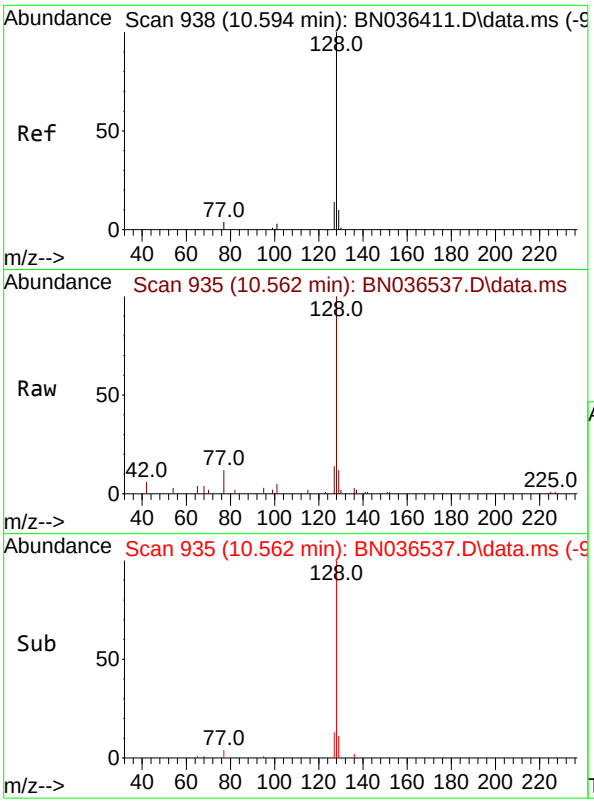


#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion: 82 Resp: 2127

Ion	Ratio	Lower	Upper
82	100		
128	37.1	31.9	47.9
54	65.8	53.1	79.7



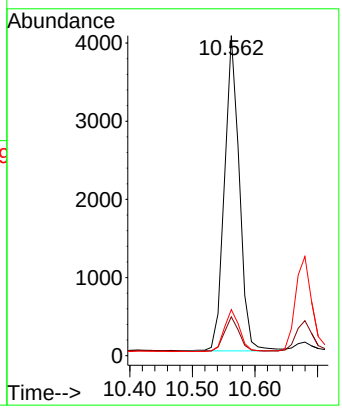


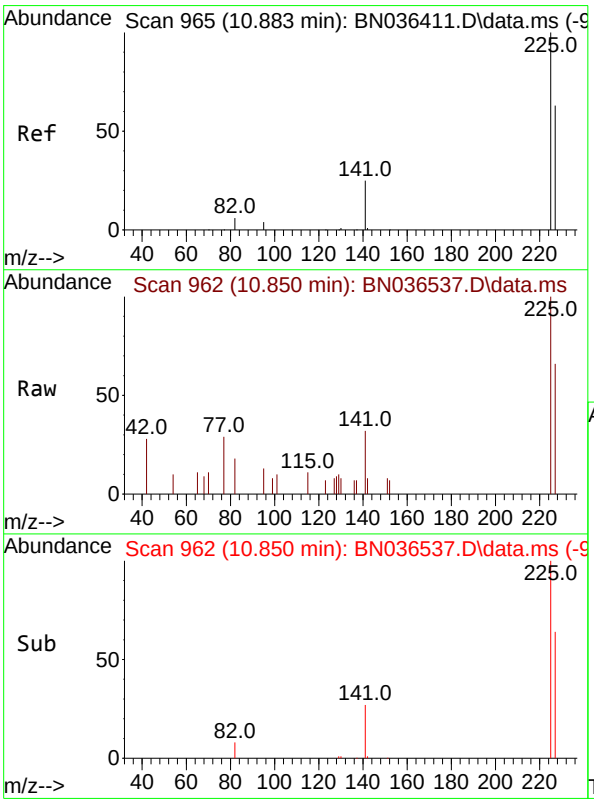
#9
Naphthalene
Concen: 0.388 ng
RT: 10.562 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:128 Resp: 6667

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.6	14.4
127	14.4	12.0	18.0

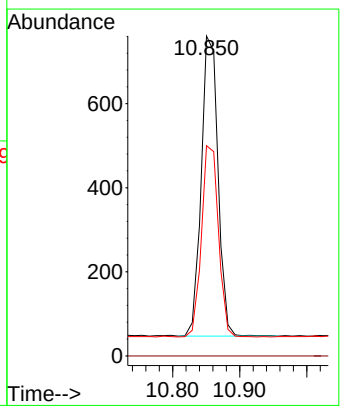


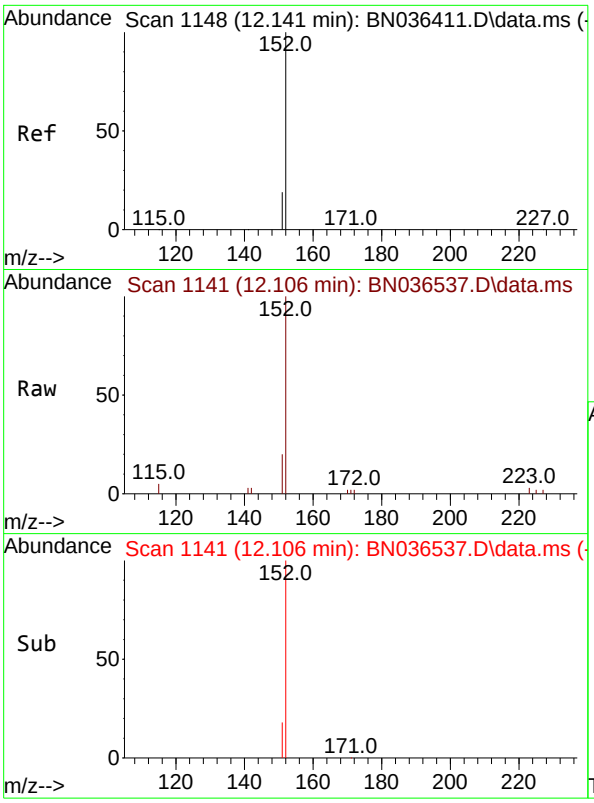


#10
Hexachlorobutadiene
Concen: 0.297 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:225 Resp: 1241

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	50.9	76.3



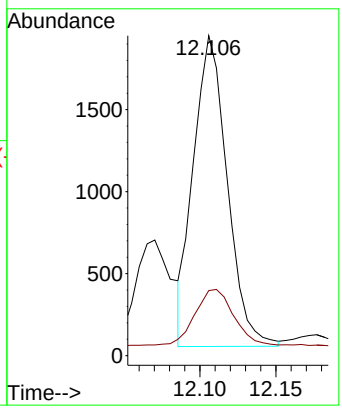


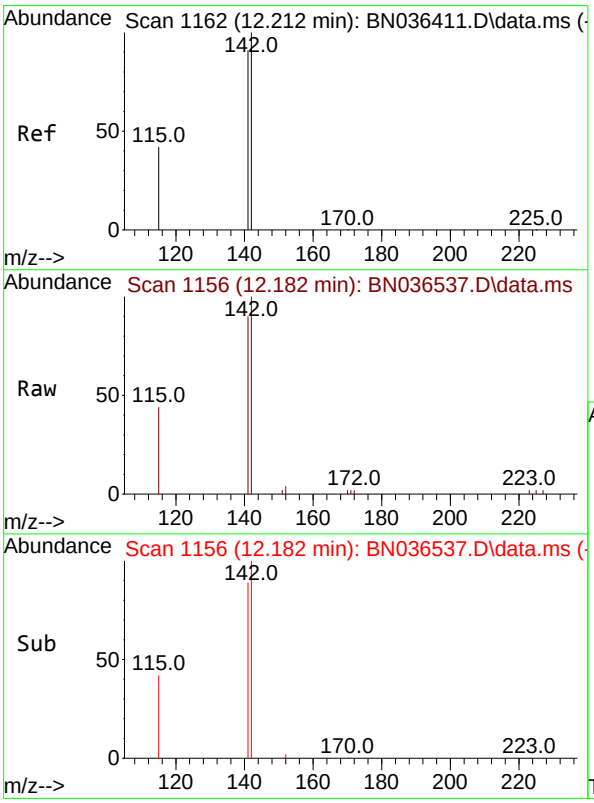
#11
2-Methylnaphthalene-d10
Concen: 0.320 ng
RT: 12.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:152 Resp: 2931

Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.6	25.0

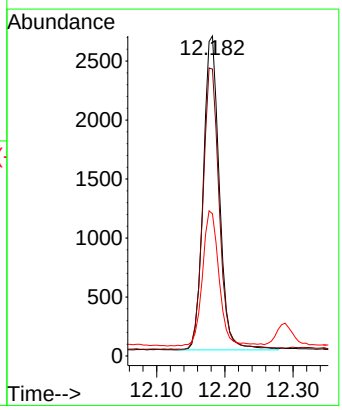


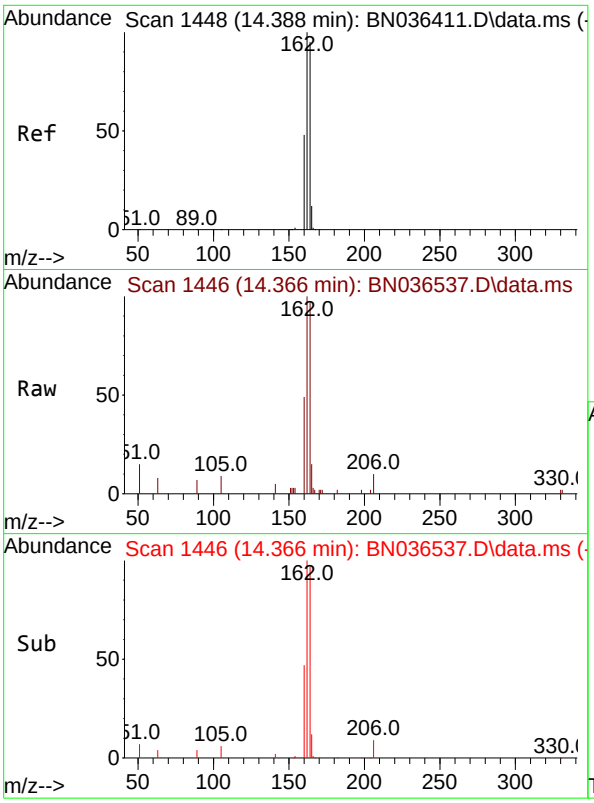


#12
2-Methylnaphthalene
Concen: 0.387 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:142 Resp: 4359

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.8	109.2
115	44.5	35.5	53.3



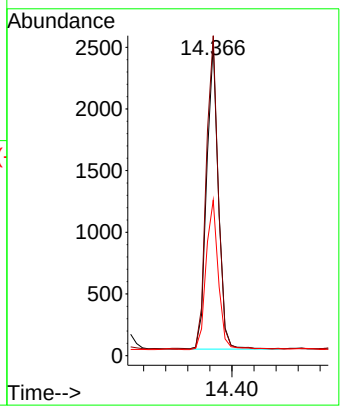


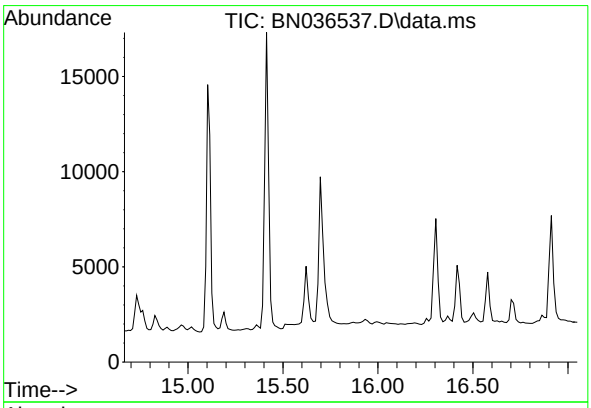
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:164 Resp: 3666

Ion	Ratio	Lower	Upper
164	100		
162	102.7	84.1	126.1
160	49.9	41.4	62.0



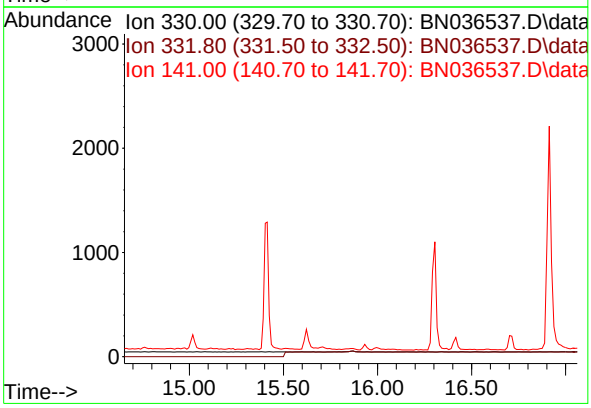


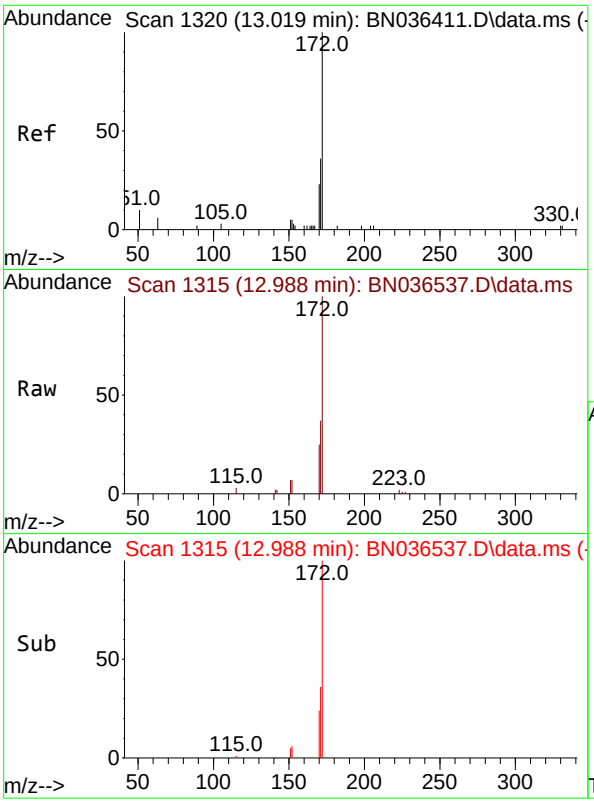
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.86 min

Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.7
141	47.3



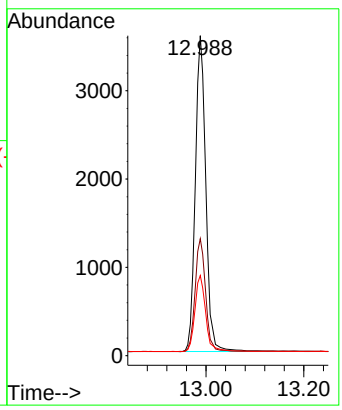


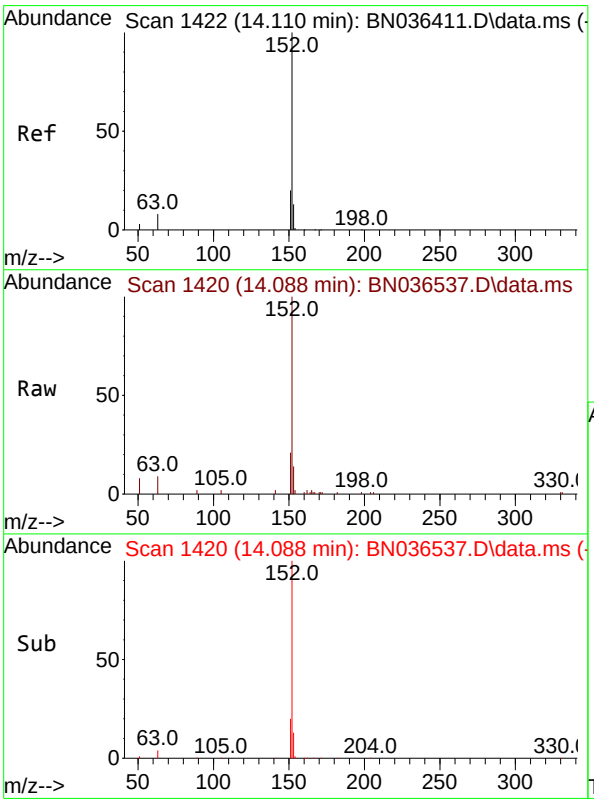
#15
2-Fluorobiphenyl
Concen: 0.582 ng
RT: 12.988 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:172 Resp: 8027

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	25.1	19.8	29.6

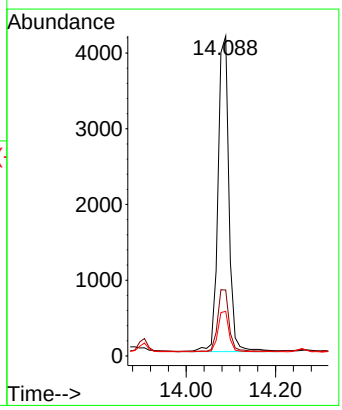


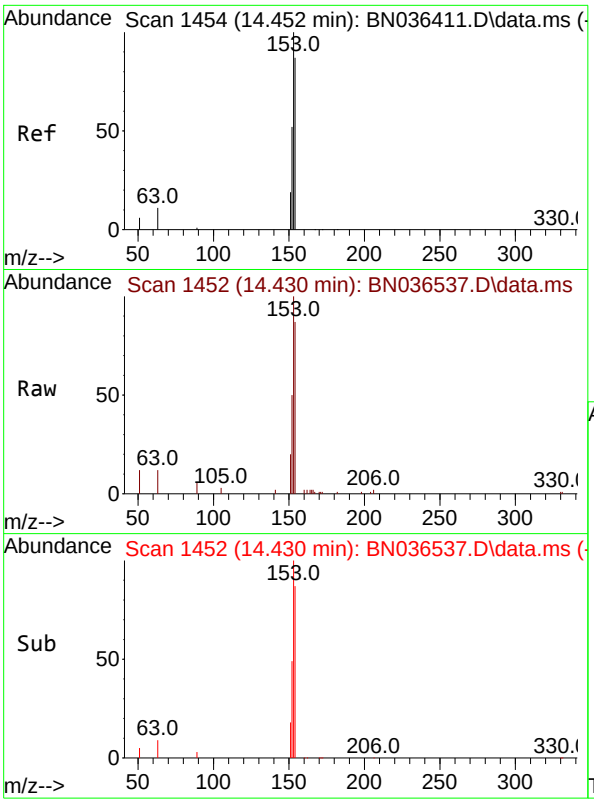


#16
Acenaphthylene
Concen: 0.438 ng
RT: 14.088 min Scan# 1420
Delta R.T. 0.011 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:152 Resp: 7085

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.0	10.2	15.2



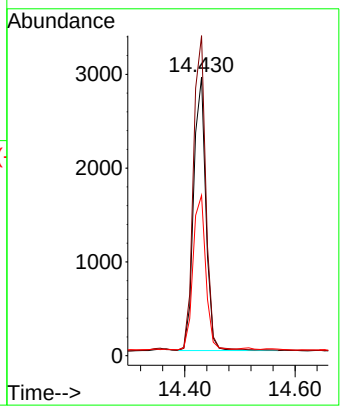


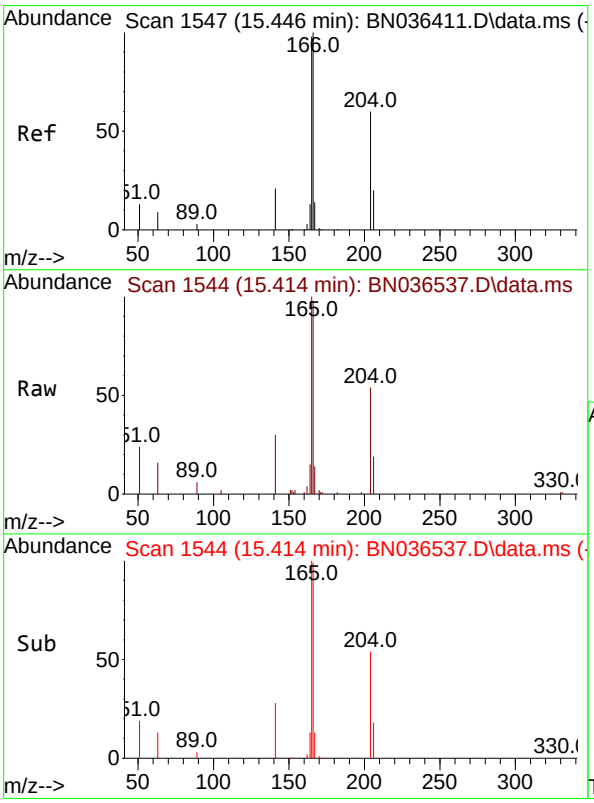
#17
Acenaphthene
Concen: 0.412 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:154 Resp: 4453

Ion	Ratio	Lower	Upper
154	100		
153	117.1	93.3	139.9
152	59.0	48.8	73.2

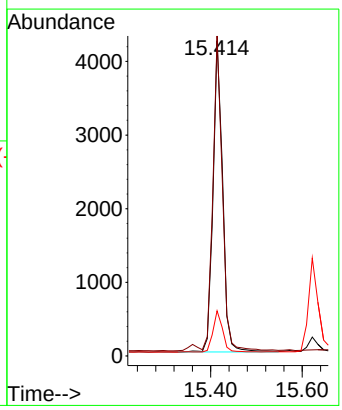


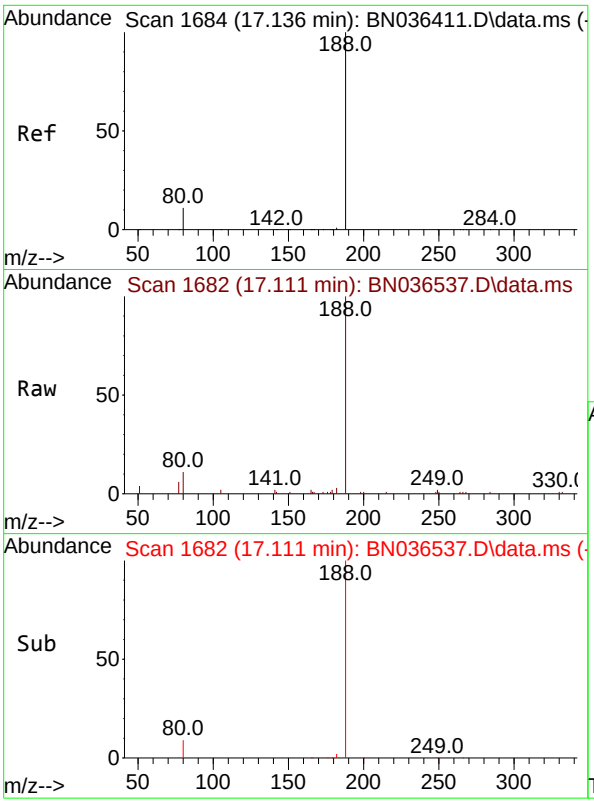


#18
Fluorene
Concen: 0.407 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:166 Resp: 6274

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.5	119.3
167	12.9	10.4	15.6



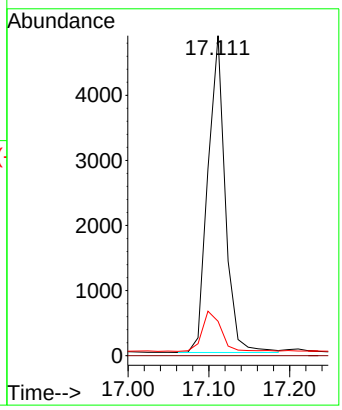


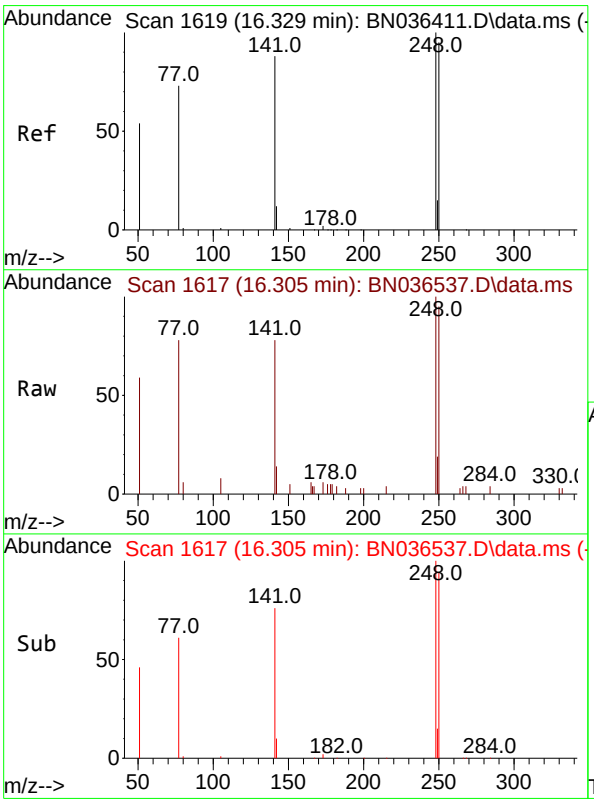
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.111 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:188 Resp: 7245

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	9.8	14.6

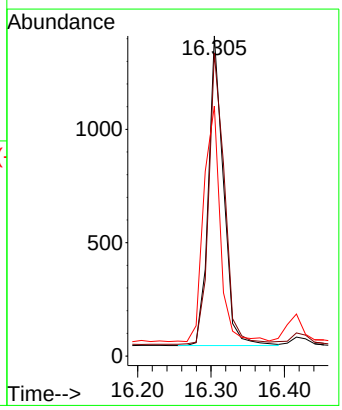


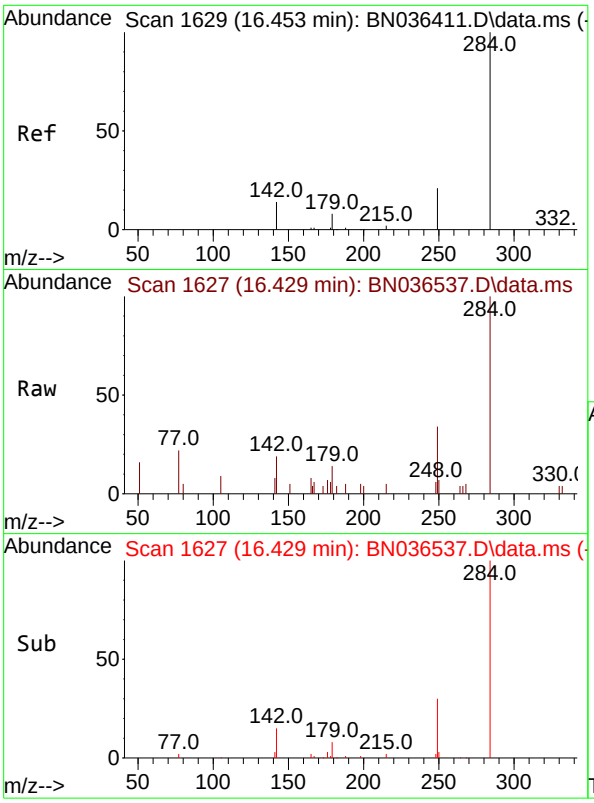


#21
4-Bromophenyl-phenylether
Concen: 0.451 ng
RT: 16.305 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:248 Resp: 1947

Ion	Ratio	Lower	Upper
248	100		
250	94.6	76.1	114.1
141	78.1	71.7	107.5



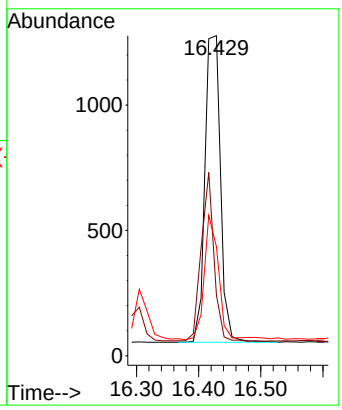


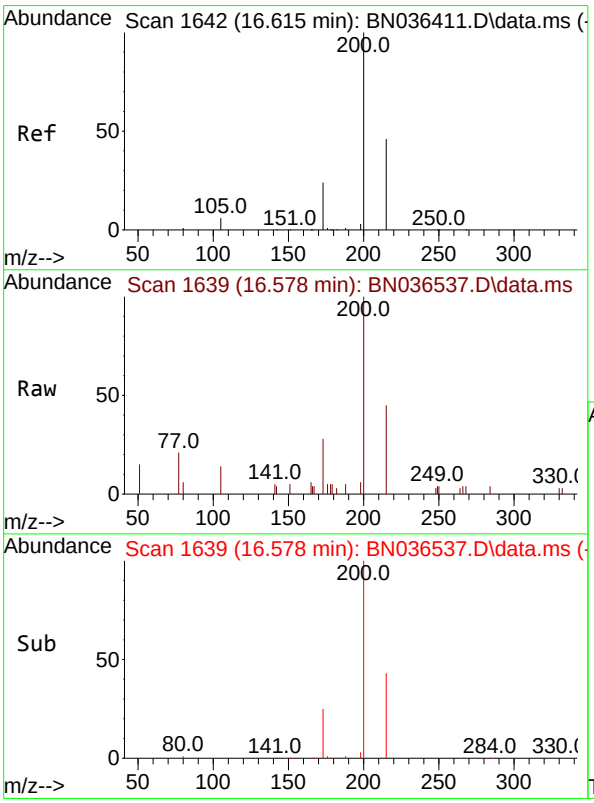
#22
Hexachlorobenzene
Concen: 0.399 ng
RT: 16.429 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:284 Resp: 2131

Ion	Ratio	Lower	Upper
284	100		
142	45.2	33.4	50.0
249	36.6	28.6	43.0

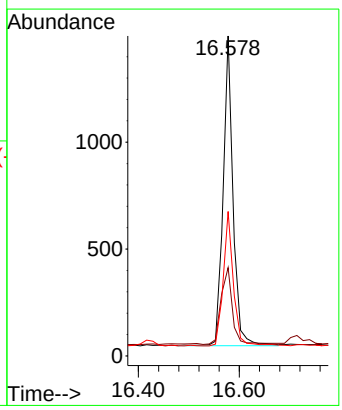


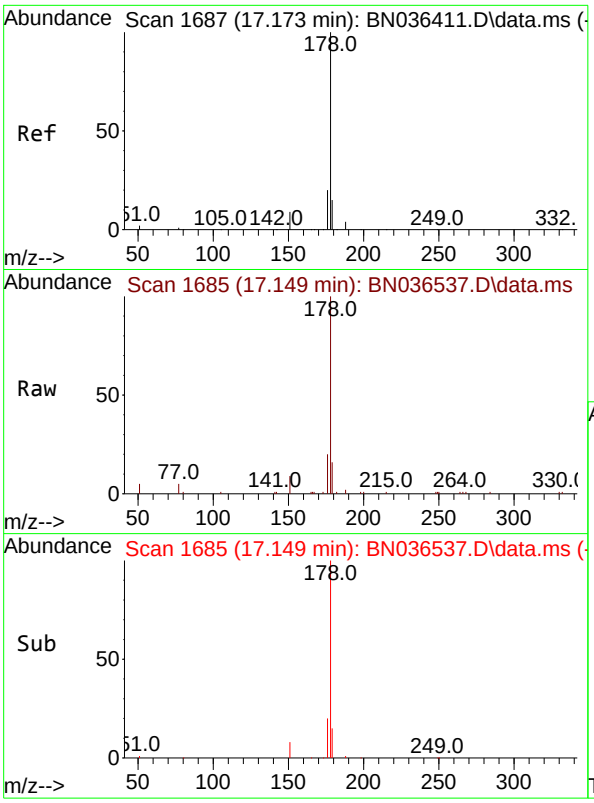


#23
Atrazine
Concen: 0.543 ng
RT: 16.578 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:200 Resp: 1961

Ion	Ratio	Lower	Upper
200	100		
173	27.6	23.2	34.8
215	45.2	40.0	60.0



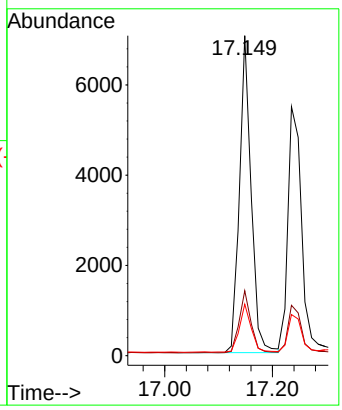


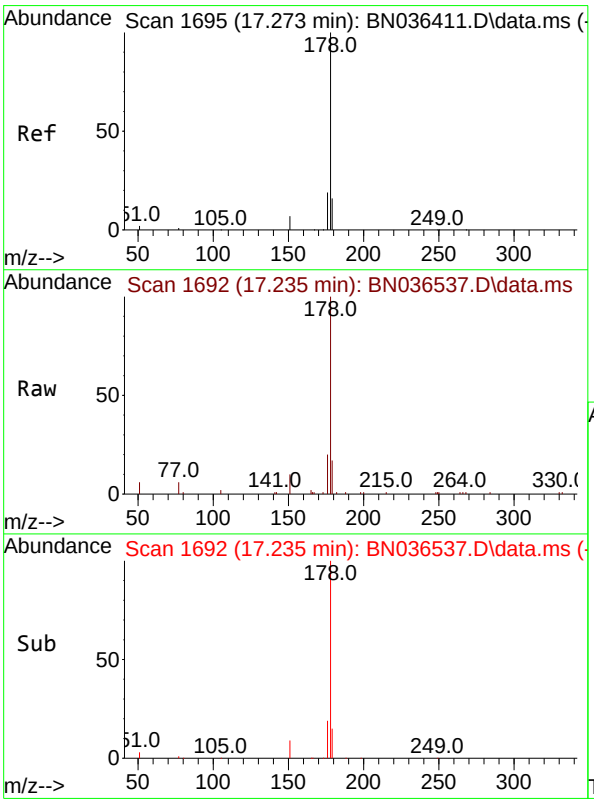
#25
Phenanthrene
Concen: 0.503 ng
RT: 17.149 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:178 Resp: 10539

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.4	12.4	18.6

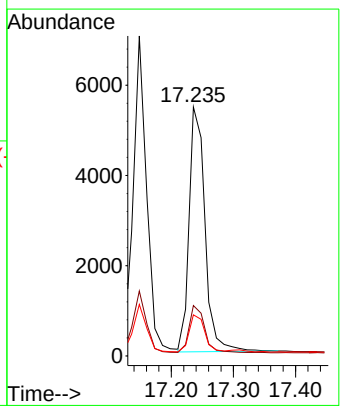


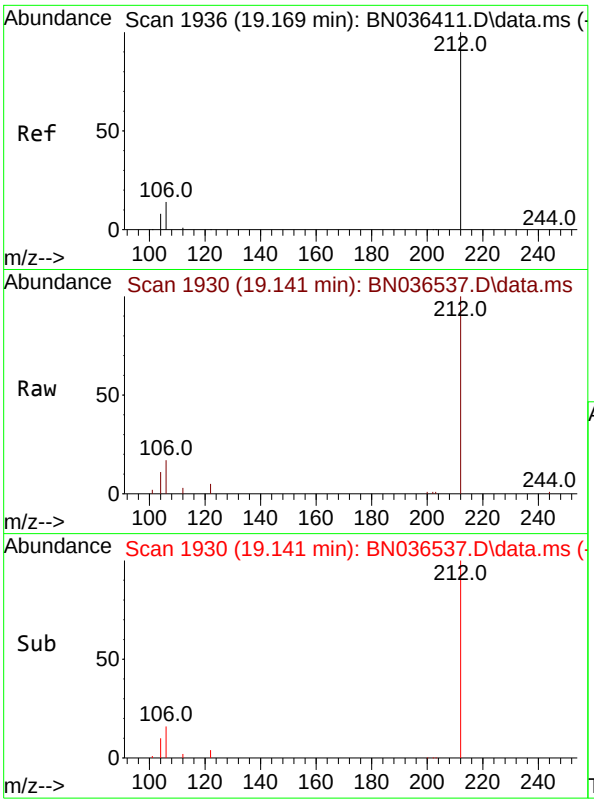


#26
Anthracene
Concen: 0.522 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:178 Resp: 9641

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	14.6	12.4	18.6



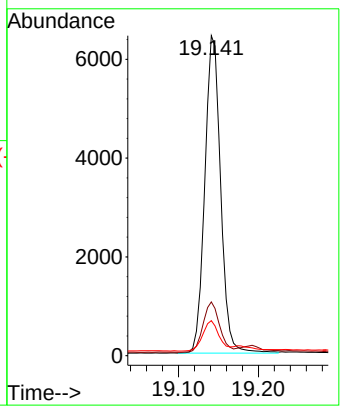


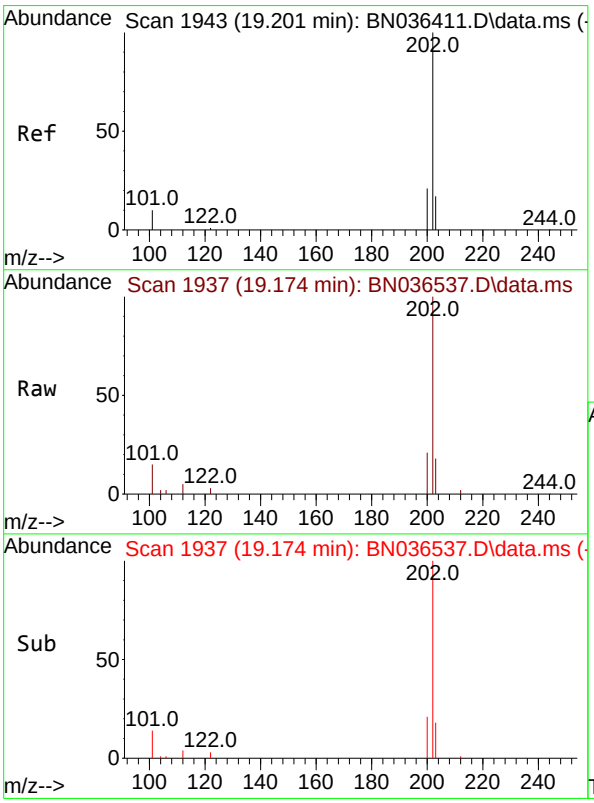
#27
Fluoranthene-d10
Concen: 0.440 ng
RT: 19.141 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:212 Resp: 8866

Ion	Ratio	Lower	Upper
212	100		
106	16.5	11.5	17.3
104	9.7	7.1	10.7

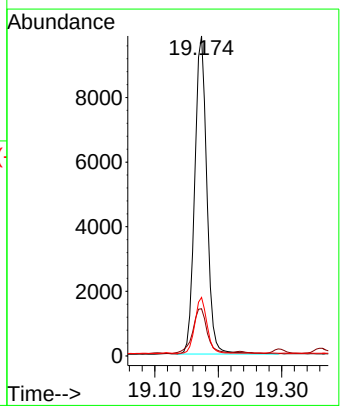


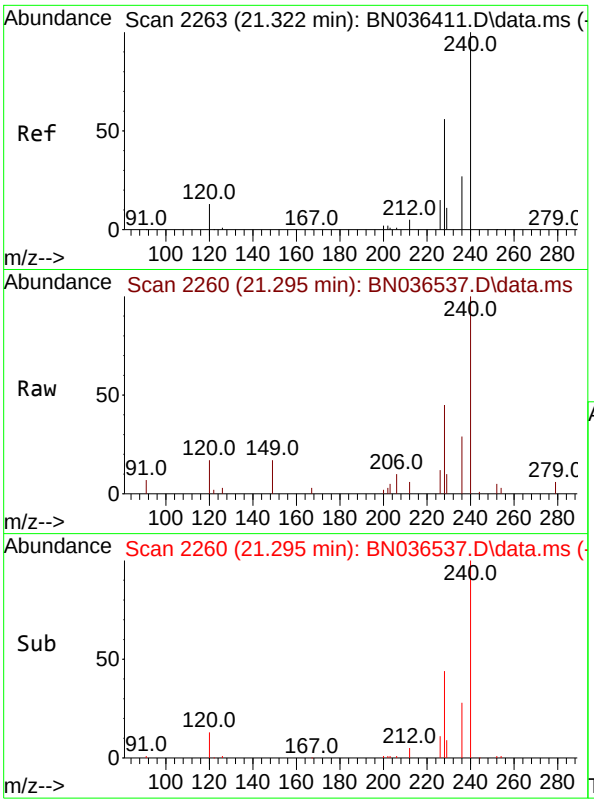


#28
Fluoranthene
Concen: 0.506 ng
RT: 19.174 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:202 Resp: 13013

Ion	Ratio	Lower	Upper
202	100		
101	17.0	9.2	13.8#
203	17.4	13.4	20.0



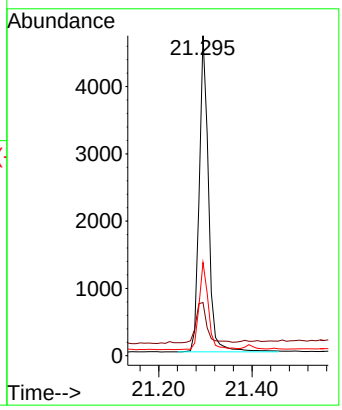


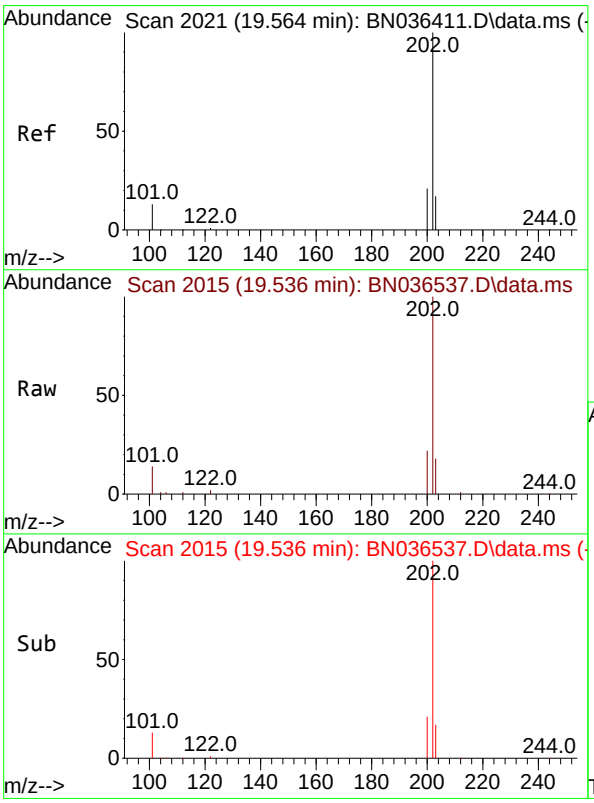
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:240 Resp: 6501

Ion	Ratio	Lower	Upper
240	100		
120	16.6	13.3	19.9
236	29.2	23.0	34.6

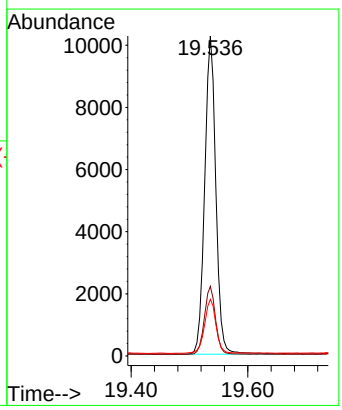


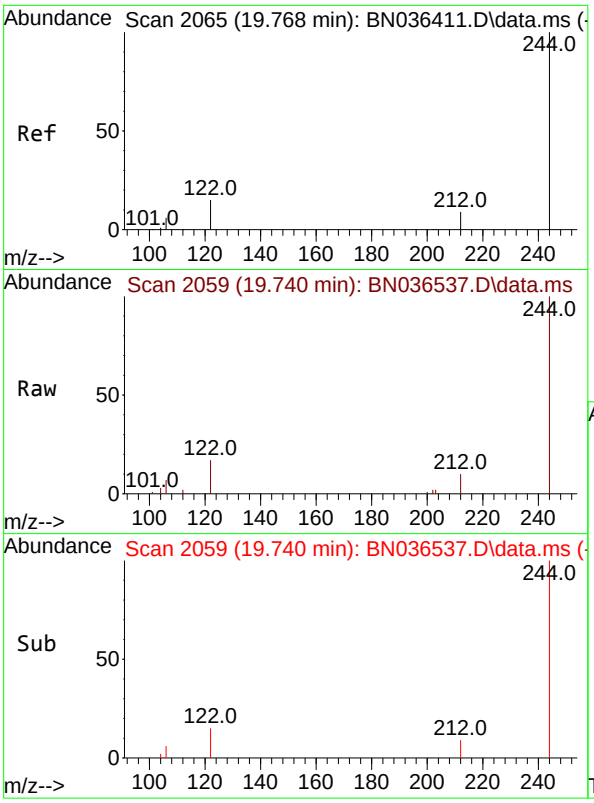


#30
Pyrene
Concen: 0.545 ng
RT: 19.536 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:202 Resp: 13652

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.7	13.9	20.9



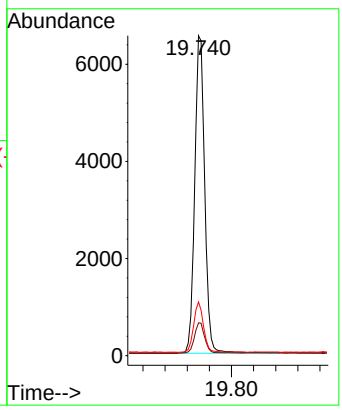


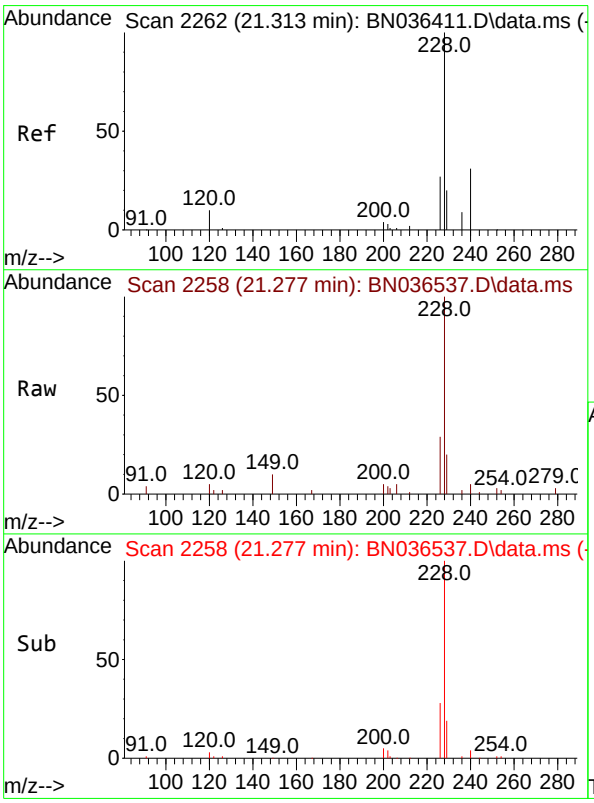
#31
Terphenyl-d14
Concen: 0.593 ng
RT: 19.740 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:244 Resp: 8231

Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.1	12.1
122	16.8	12.8	19.2

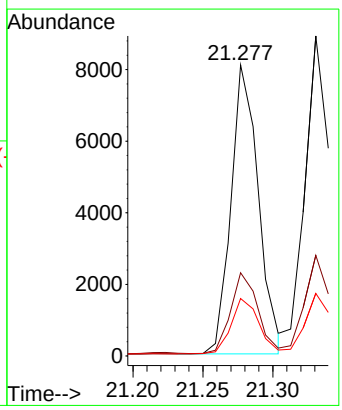


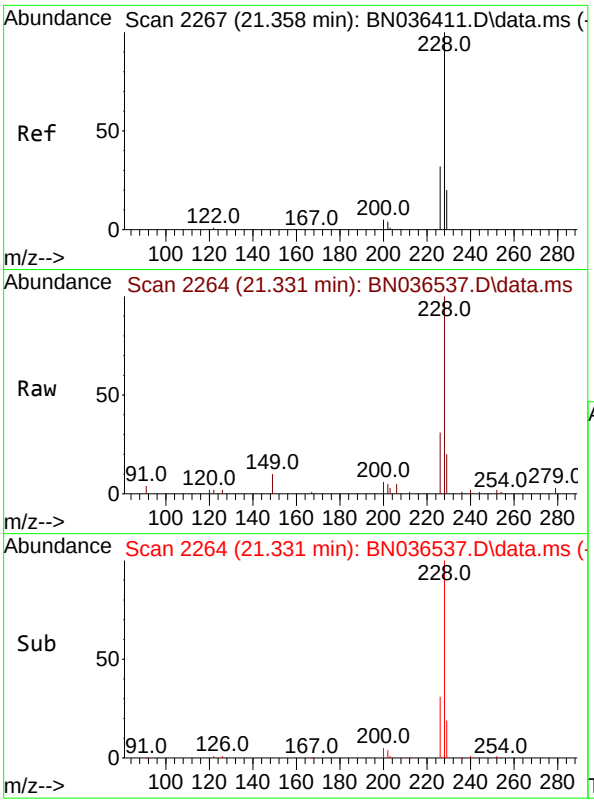


#32
Benzo(a)anthracene
Concen: 0.515 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:228 Resp: 11007

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.2
229	19.7	16.5	24.7



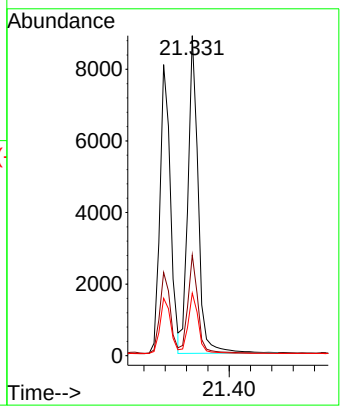


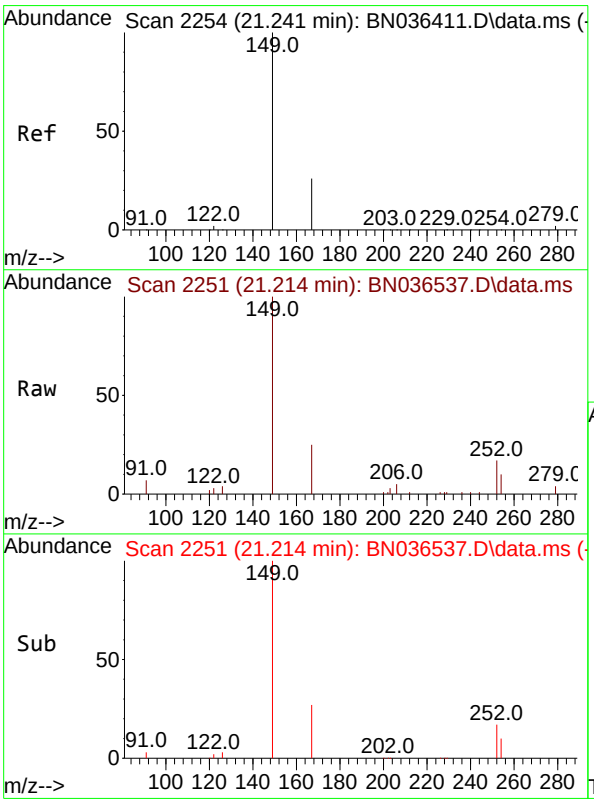
#33
Chrysene
Concen: 0.509 ng
RT: 21.331 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:228 Resp: 11789

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.5	38.3
229	19.6	16.4	24.6

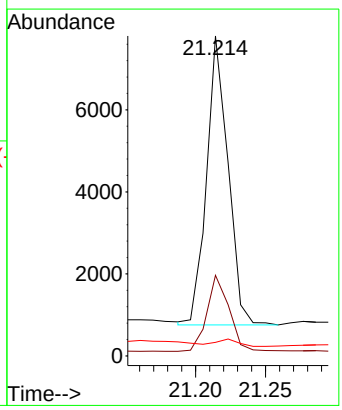


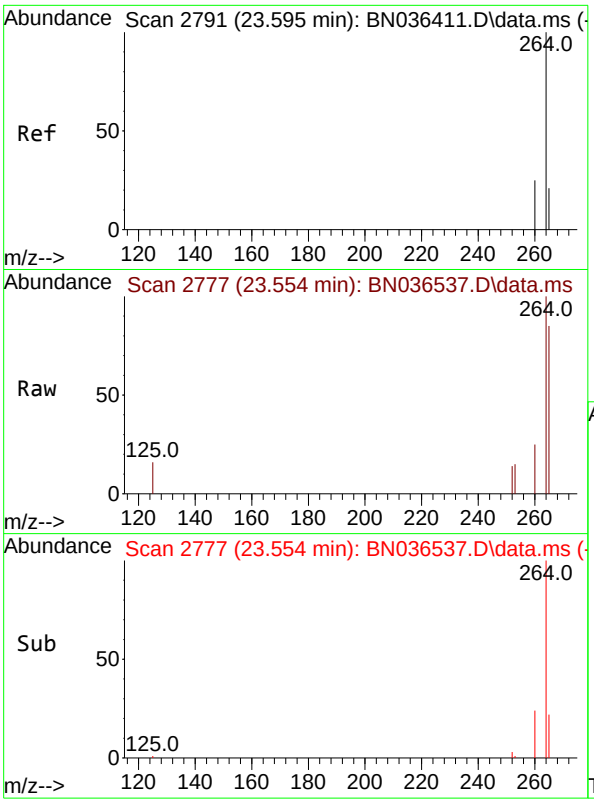


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.563 ng
RT: 21.214 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:149 Resp: 7502

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.2	31.8
279	2.5	2.7	4.1#



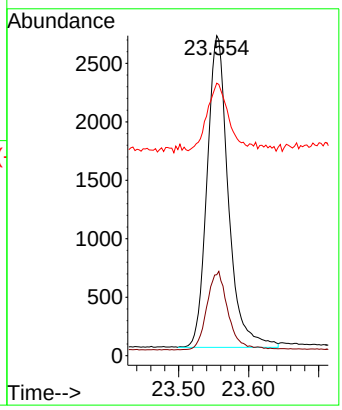


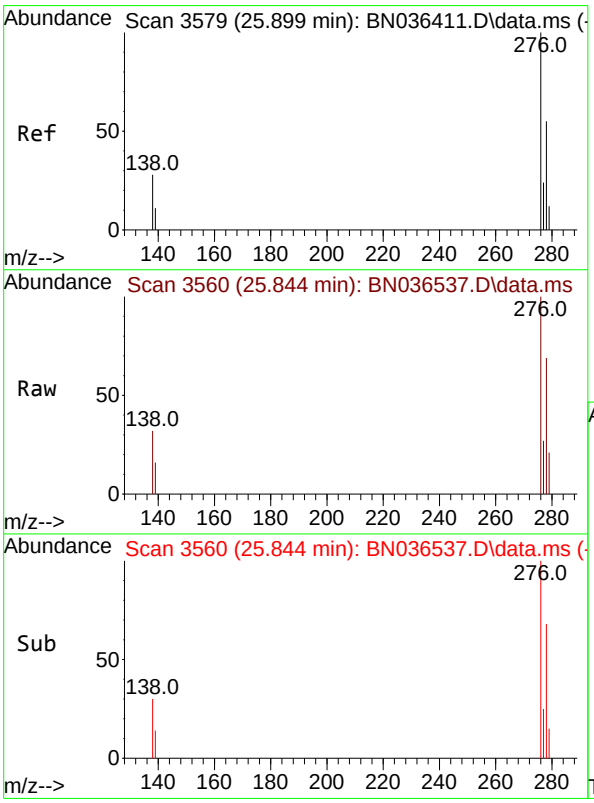
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.554 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:264 Resp: 5628

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.9	31.3
265	85.2	60.7	91.1

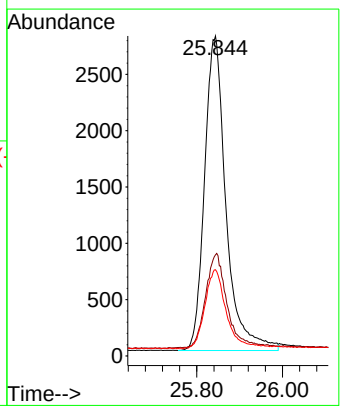


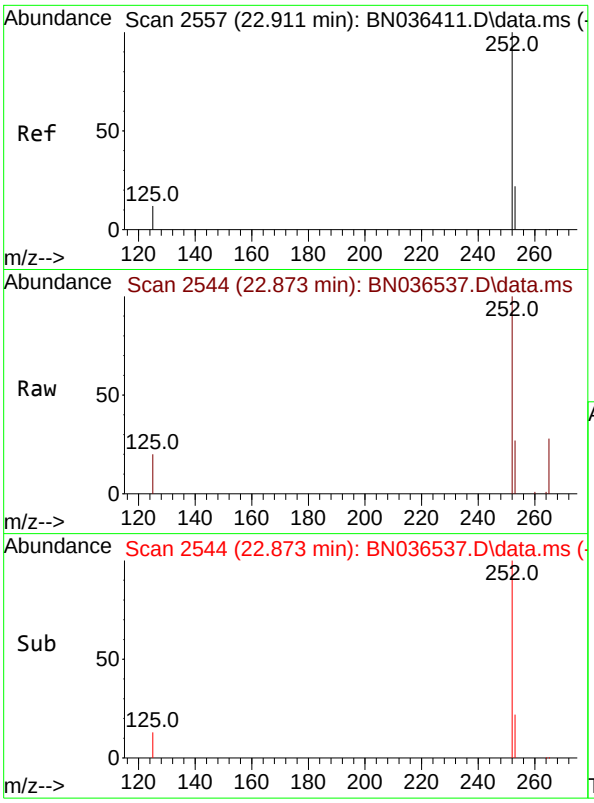


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.493 ng
RT: 25.844 min Scan# 3560
Delta R.T. 0.006 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:276 Resp: 9697

Ion	Ratio	Lower	Upper
276	100		
138	29.5	22.2	33.2
277	24.8	19.8	29.6



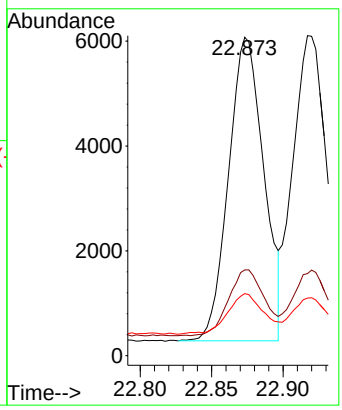


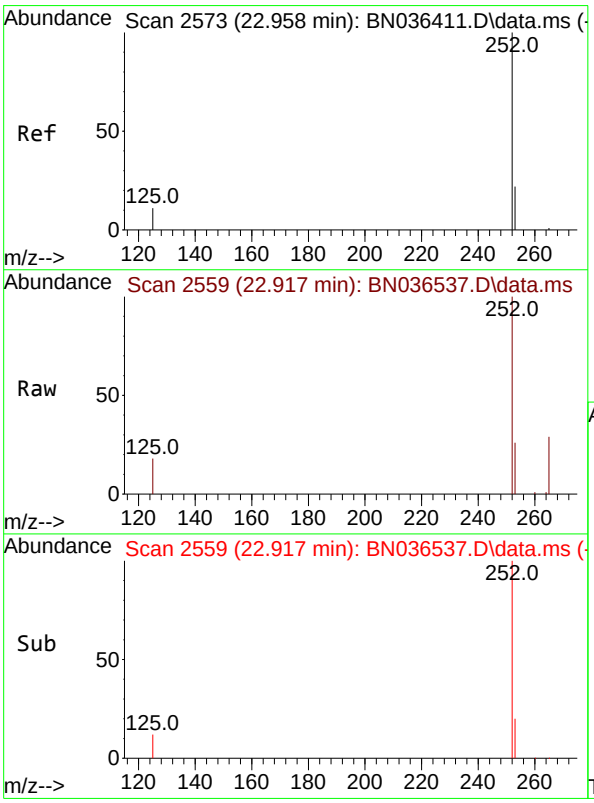
#37
Benzo(b)fluoranthene
Concen: 0.536 ng
RT: 22.873 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:252 Resp: 9933

Ion	Ratio	Lower	Upper
252	100		
253	26.9	21.9	32.9
125	19.5	15.0	22.6

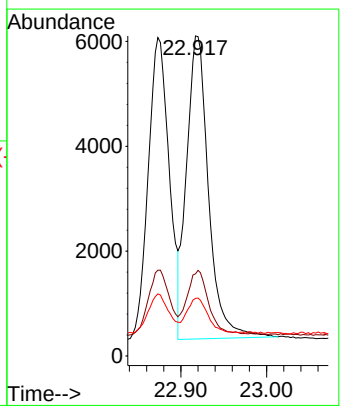


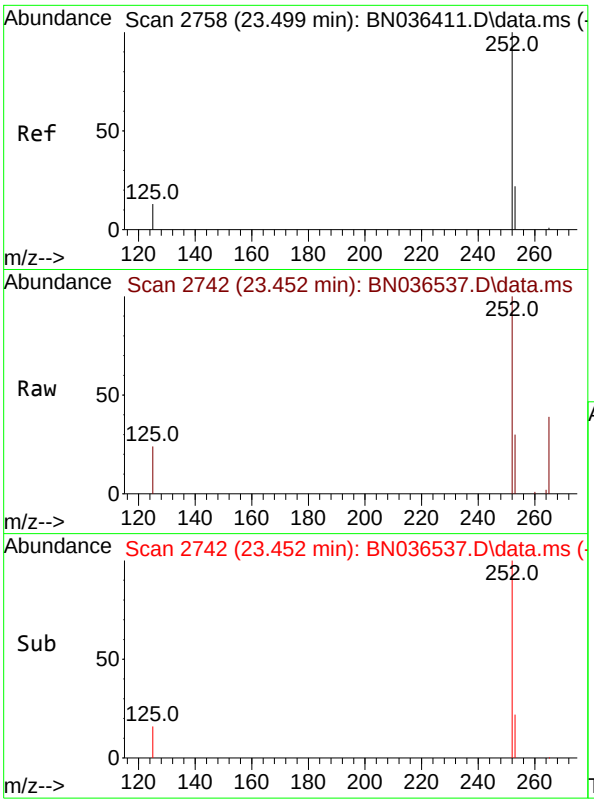


#38
Benzo(k)fluoranthene
Concen: 0.539 ng
RT: 22.917 min Scan# 2559
Delta R.T. 0.000 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:252 Resp: 10277

Ion	Ratio	Lower	Upper
252	100		
253	25.7	22.2	33.4
125	18.0	15.0	22.4



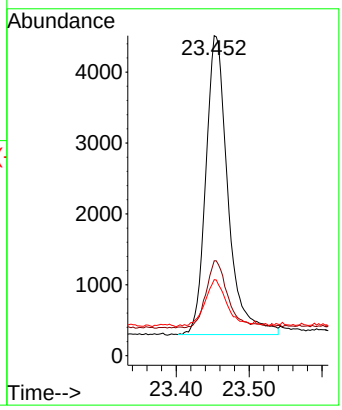


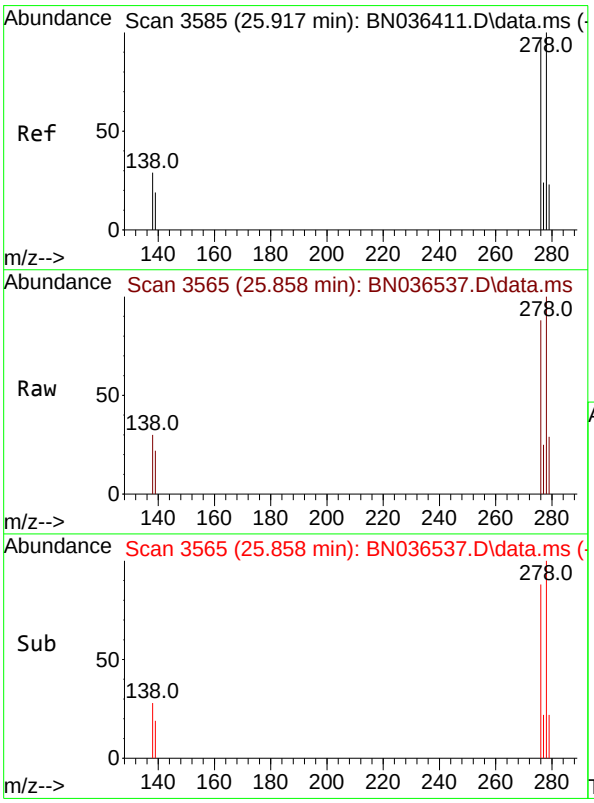
#39
Benzo(a)pyrene
Concen: 0.549 ng
RT: 23.452 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:252 Resp: 8885

Ion	Ratio	Lower	Upper
252	100		
253	29.7	24.4	36.6
125	23.7	18.2	27.2

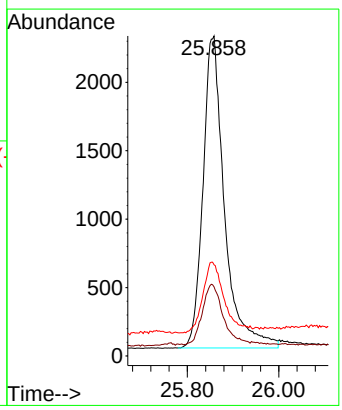


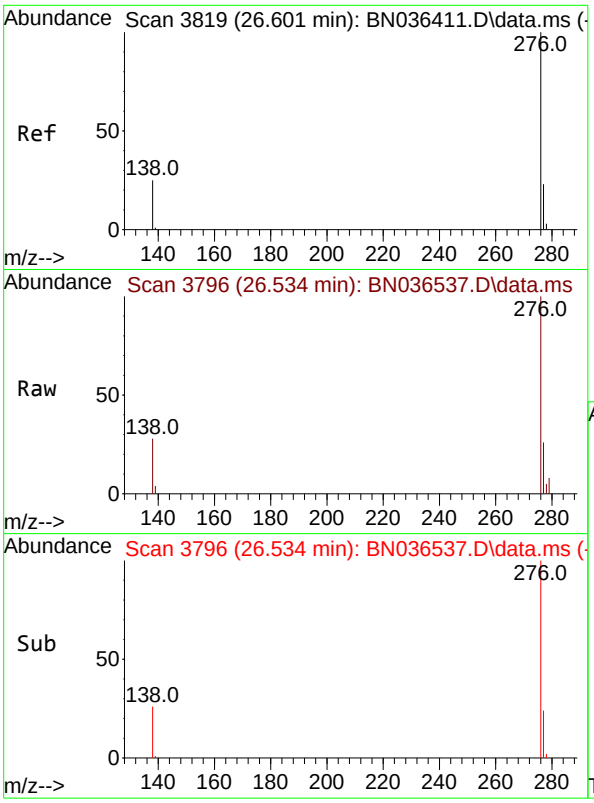


#40
Dibenzo(a,h)anthracene
Concen: 0.479 ng
RT: 25.858 min Scan# 3565
Delta R.T. 0.006 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Tgt Ion:278 Resp: 7435

Ion	Ratio	Lower	Upper
278	100		
139	21.6	18.5	27.7
279	28.5	24.8	37.2





#41
Benzo(g,h,i)perylene
Concen: 0.436 ng
RT: 26.534 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN036537.D
Acq: 06 Mar 2025 16:36

Instrument :
BNA_N
ClientSampleId :
BR-05-465-030525MS

Tgt Ion:276 Resp: 7669

Ion	Ratio	Lower	Upper
276	100		
277	26.0	20.7	31.1
138	28.4	21.8	32.6