Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021025\
Data File : BN036411.D
Acq On : 10 Feb 2025 13:36
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Feb 11 00:35:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 11 00:33:05 2025
Response via : Initial Calibration

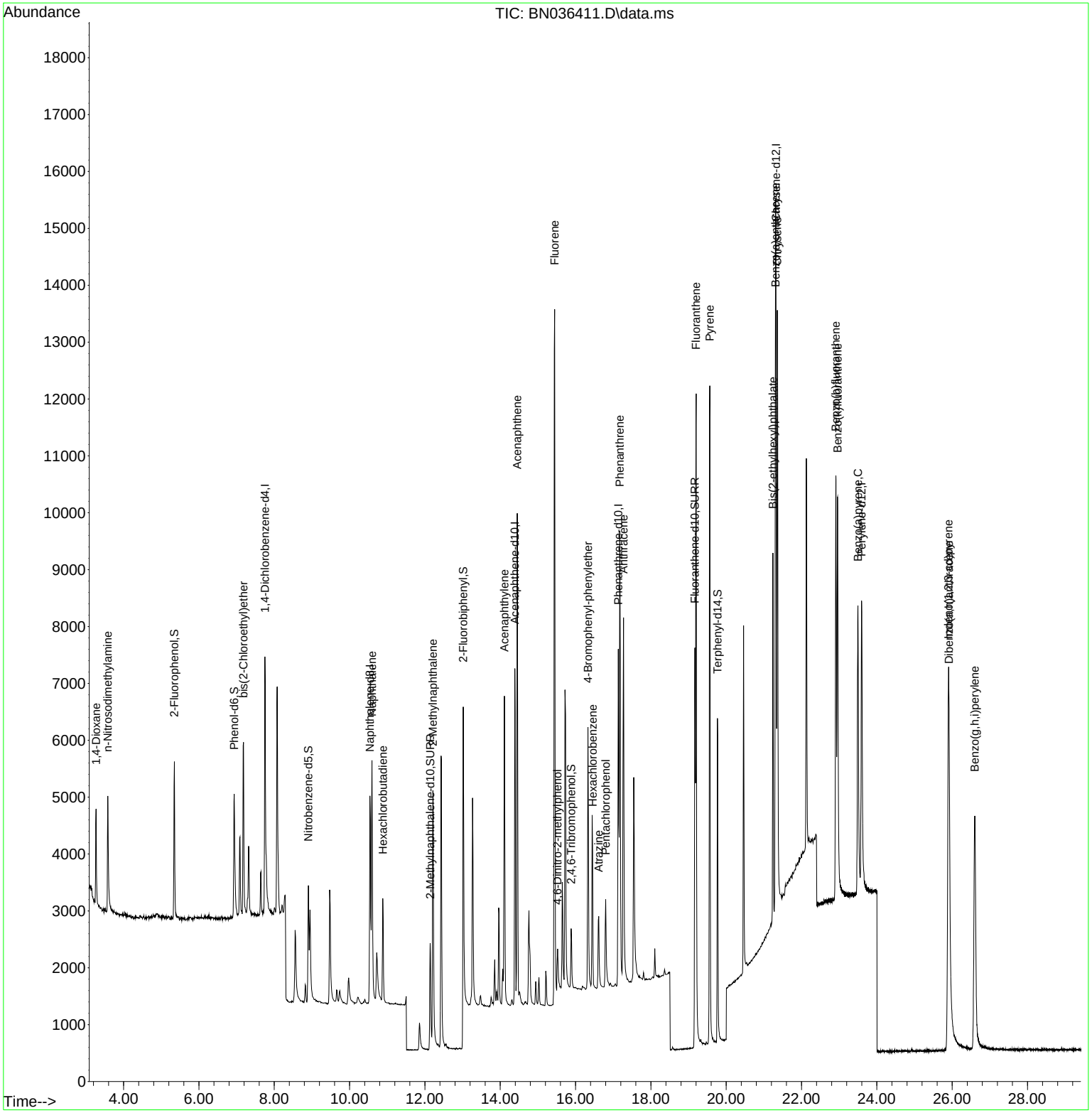
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.753	152	2219	0.400	ng		0.00
7) Naphthalene-d8	10.541	136	5528	0.400	ng		0.00
13) Acenaphthene-d10	14.388	164	3606	0.400	ng		0.00
19) Phenanthrene-d10	17.136	188	8328	0.400	ng		0.00
29) Chrysene-d12	21.322	240	7484	0.400	ng		0.00
35) Perylene-d12	23.595	264	7735	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.348	112	2078	0.368	ng		0.00
5) Phenol-d6	6.937	99	2290	0.348	ng		0.00
8) Nitrobenzene-d5	8.907	82	2015	0.391	ng		0.00
11) 2-Methylnaphthalene-d10	12.141	152	3329	0.440	ng		0.00
14) 2,4,6-Tribromophenol	15.882	330	670	0.302	ng		0.00
15) 2-Fluorobiphenyl	13.019	172	4965	0.323	ng		0.00
27) Fluoranthene-d10	19.169	212	8851	0.413	ng		0.00
31) Terphenyl-d14	19.768	244	6378	0.412	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.268	88	961	0.392	ng		99
3) n-Nitrosodimethylamine	3.579	42	1695	0.385	ng		100
6) bis(2-Chloroethyl)ether	7.183	93	2410	0.440	ng		100
9) Naphthalene	10.594	128	6168	0.391	ng		100
10) Hexachlorobutadiene	10.883	225	1567	0.317	ng	#	100
12) 2-Methylnaphthalene	12.212	142	4078	0.411	ng		100
16) Acenaphthylene	14.110	152	6103	0.366	ng		100
17) Acenaphthene	14.452	154	4132	0.362	ng		100
18) Fluorene	15.446	166	5991	0.407	ng		99
20) 4,6-Dinitro-2-methylph...	15.523	198	572	0.307	ng		100
21) 4-Bromophenyl-phenylether	16.329	248	1920	0.337	ng		100
22) Hexachlorobenzene	16.453	284	2369	0.318	ng		100
23) Atrazine	16.615	200	1560	0.372	ng		100
24) Pentachlorophenol	16.801	266	1018	0.313	ng		99
25) Phenanthrene	17.173	178	9119	0.374	ng		100
26) Anthracene	17.273	178	8056	0.363	ng		100
28) Fluoranthene	19.201	202	11264	0.389	ng		100
30) Pyrene	19.564	202	11479	0.384	ng		100
32) Benzo(a)anthracene	21.313	228	9677	0.364	ng		100
33) Chrysene	21.358	228	10178	0.373	ng		100
34) Bis(2-ethylhexyl)phtha...	21.241	149	5815	0.392	ng		100
36) Indeno(1,2,3-cd)pyrene	25.899	276	10661	0.351	ng		100
37) Benzo(b)fluoranthene	22.911	252	9743	0.355	ng		100
38) Benzo(k)fluoranthene	22.958	252	10543	0.377	ng		100
39) Benzo(a)pyrene	23.499	252	8521	0.362	ng		100
40) Dibenzo(a,h)anthracene	25.917	278	8314	0.344	ng		100
41) Benzo(g,h,i)perylene	26.601	276	9701	0.366	ng		100

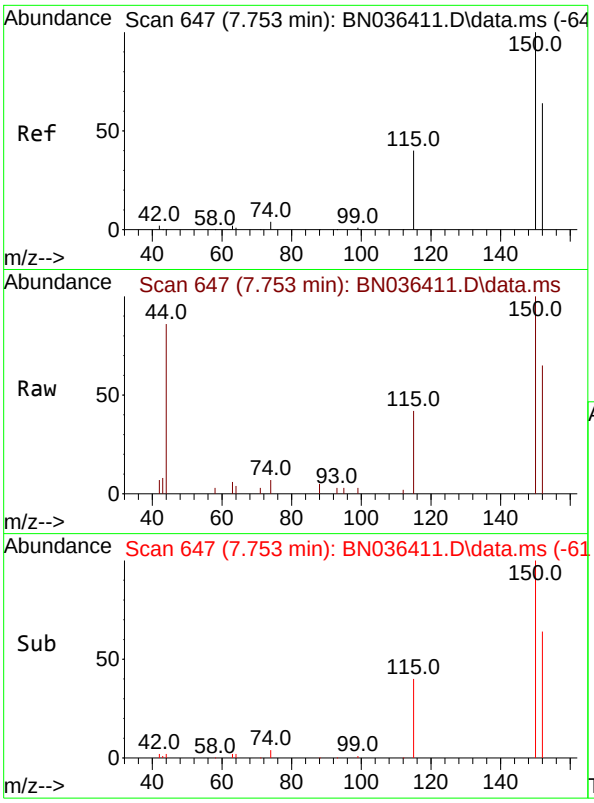
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021025\
Data File : BN036411.D
Acq On : 10 Feb 2025 13:36
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Feb 11 00:35:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 11 00:33:05 2025
Response via : Initial Calibration



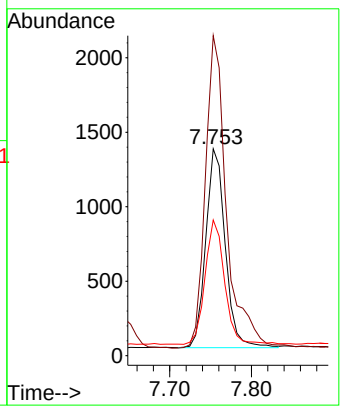


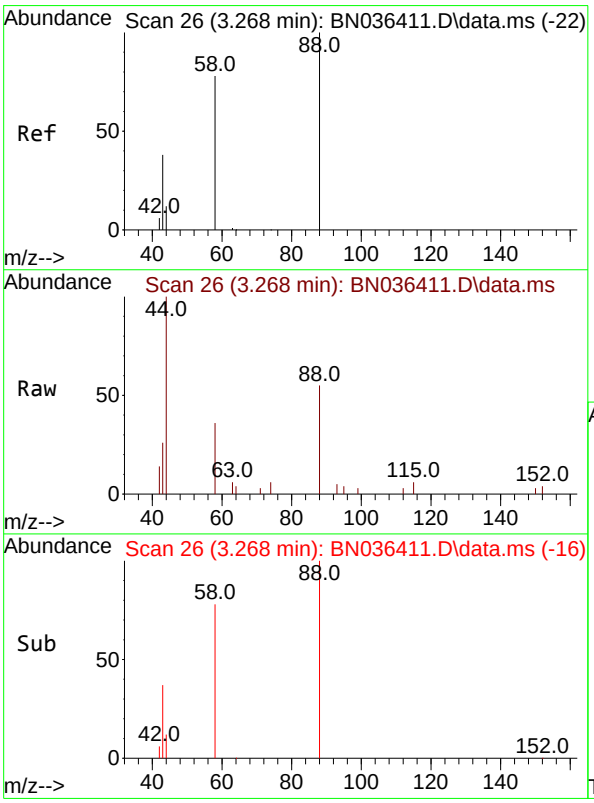
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.753 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2219

Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.7	185.5
115	65.6	52.5	78.7

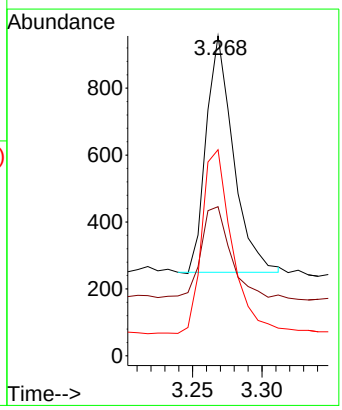


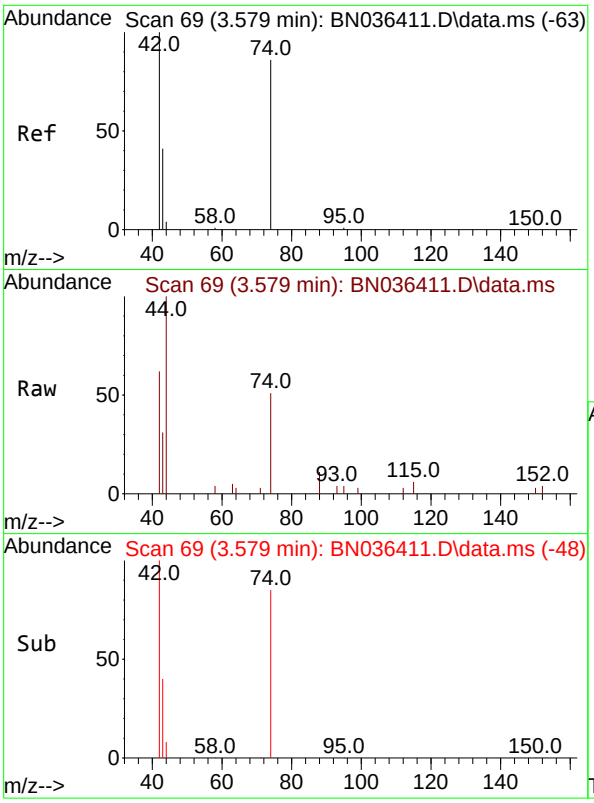


#2
1,4-Dioxane
Concen: 0.392 ng
RT: 3.268 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion: 88 Resp: 961

Ion	Ratio	Lower	Upper
88	100		
43	41.4	33.7	50.5
58	87.1	68.9	103.3



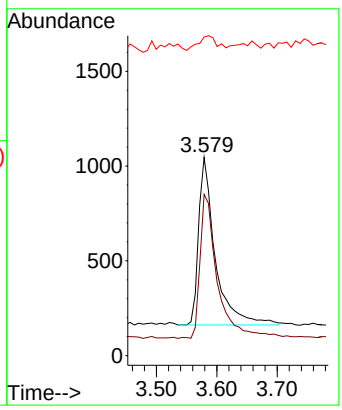


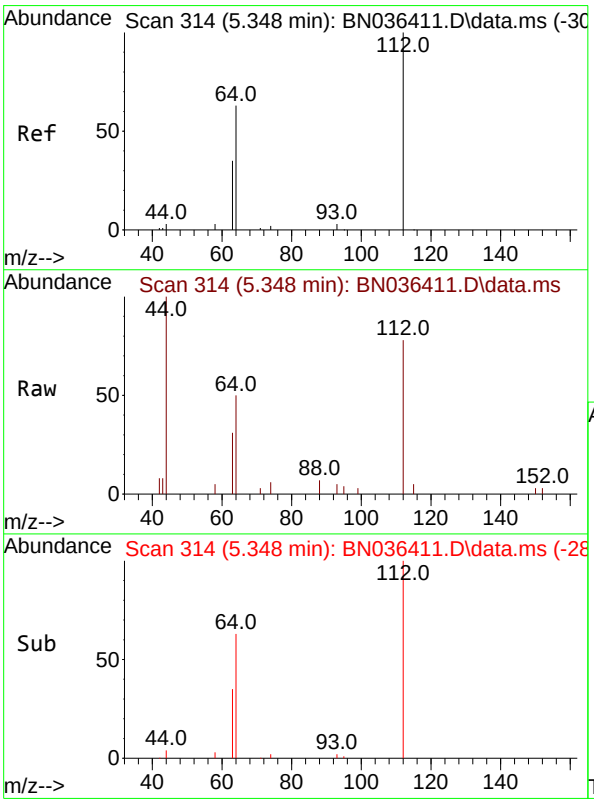
#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.579 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1695

Ion	Ratio	Lower	Upper
42	100		
74	89.7	71.8	107.6
44	9.7	7.8	11.6

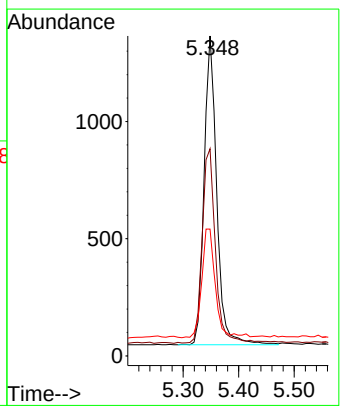


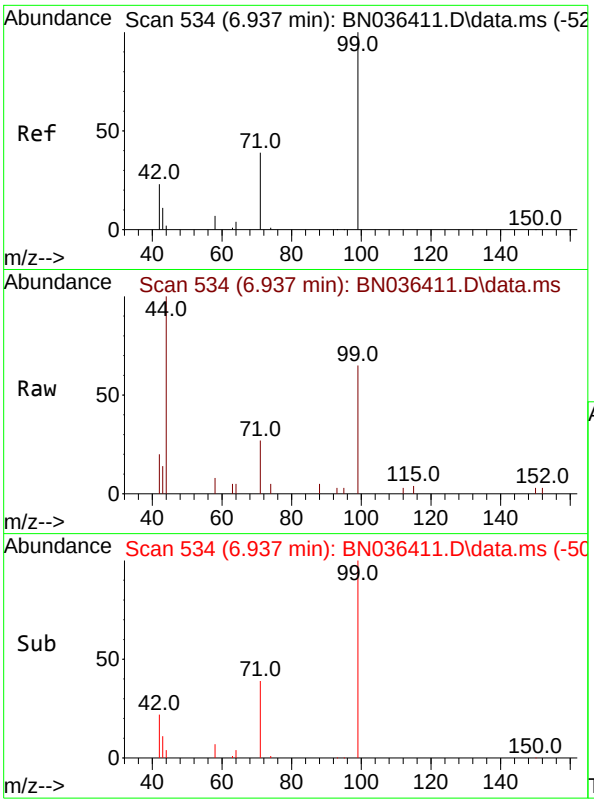


#4
2-Fluorophenol
Concen: 0.368 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:112 Resp: 2078

Ion	Ratio	Lower	Upper
112	100		
64	66.7	53.4	80.0
63	37.9	30.3	45.5



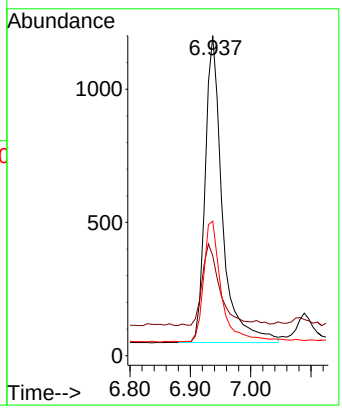


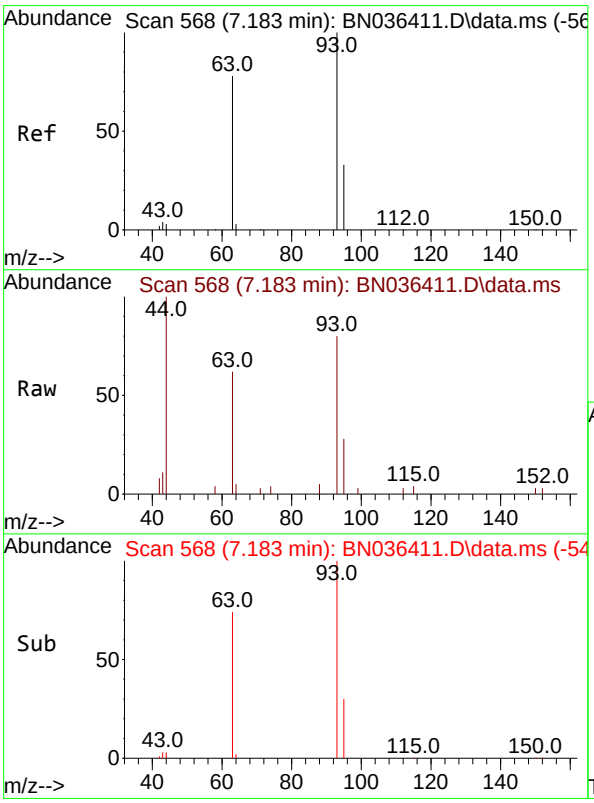
#5
Phenol-d6
Concen: 0.348 ng
RT: 6.937 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 2290

Ion	Ratio	Lower	Upper
99	100		
42	27.1	21.7	32.5
71	40.8	32.6	49.0

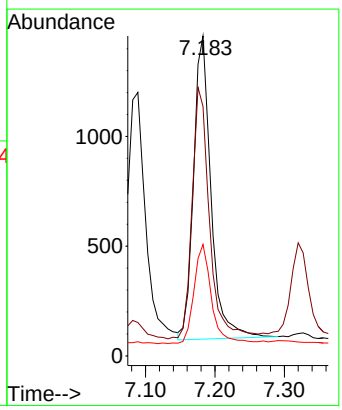


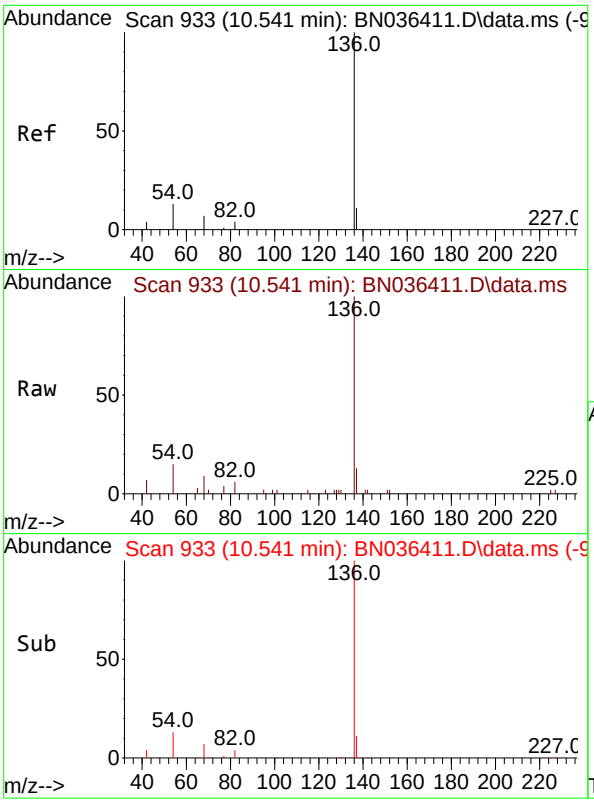


#6
bis(2-Chloroethyl)ether
Concen: 0.440 ng
RT: 7.183 min Scan# 568
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion: 93 Resp: 2410

Ion	Ratio	Lower	Upper
93	100		
63	82.9	66.3	99.5
95	32.8	26.2	39.4



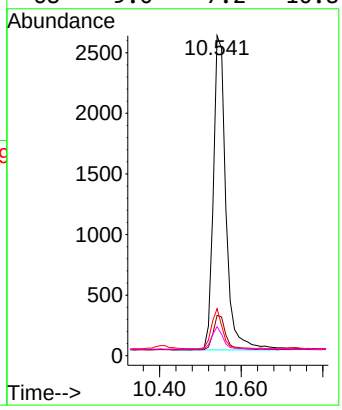


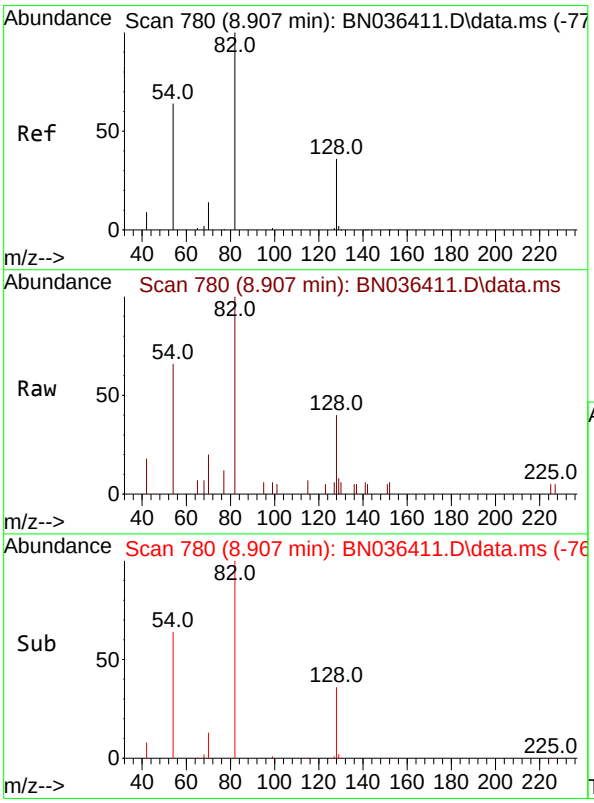
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.541 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 5528

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.1	15.1
54	14.7	11.8	17.6
68	9.0	7.2	10.8

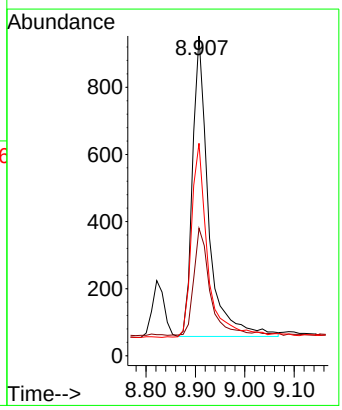


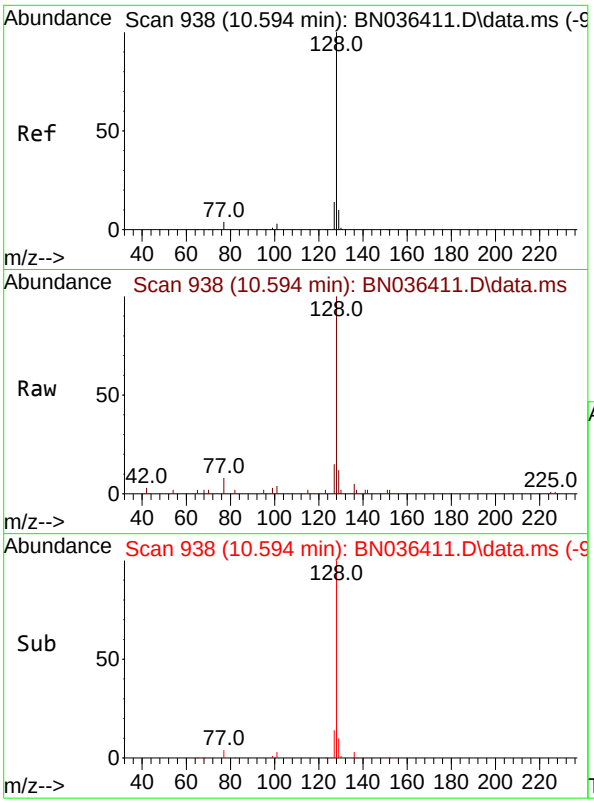


#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.907 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion: 82 Resp: 2015

Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.9	47.9
54	66.4	53.1	79.7



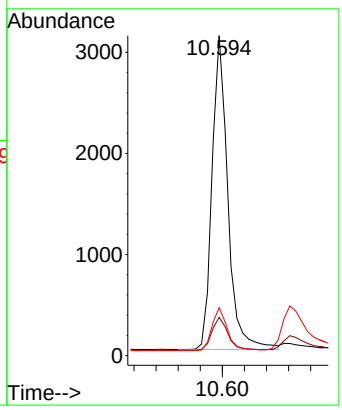


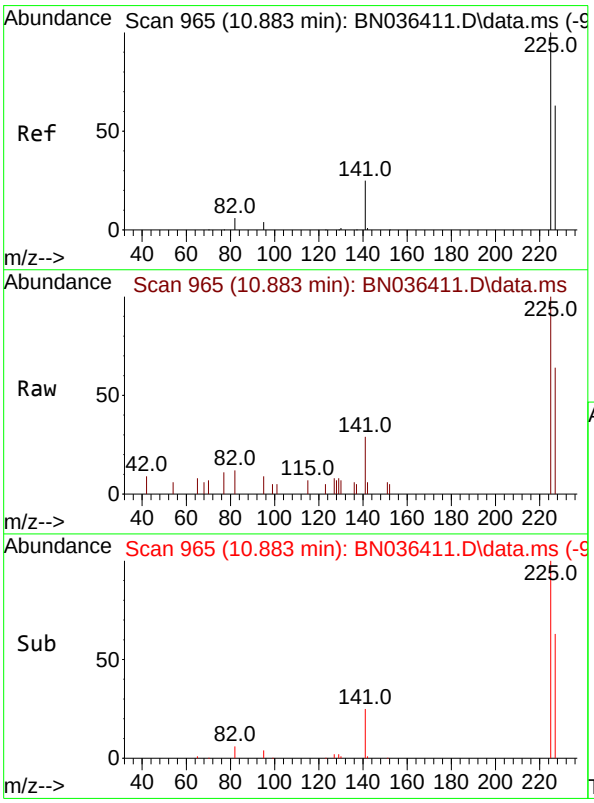
#9
Naphthalene
Concen: 0.391 ng
RT: 10.594 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 6168

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	15.0	12.0	18.0

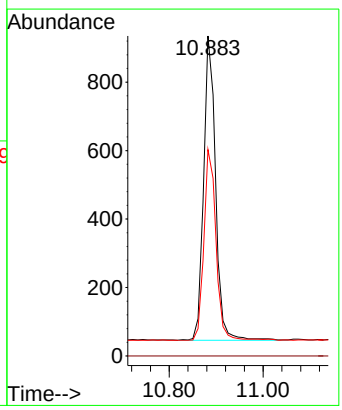


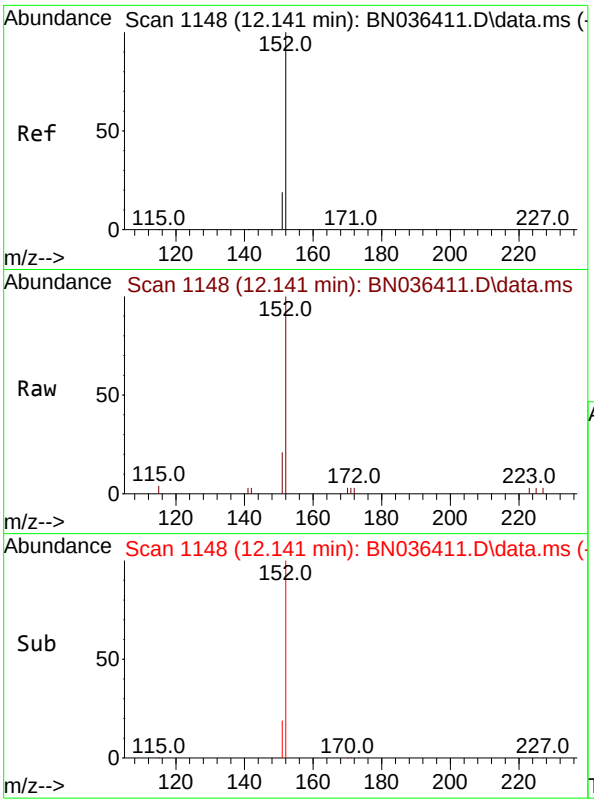


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.883 min Scan# 965
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:225 Resp: 1567

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.9	76.3



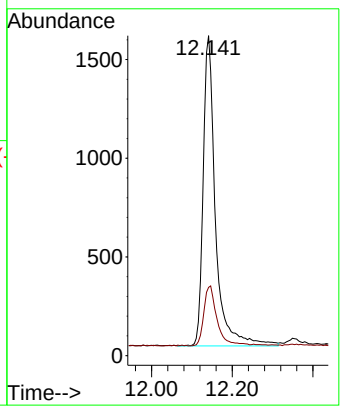


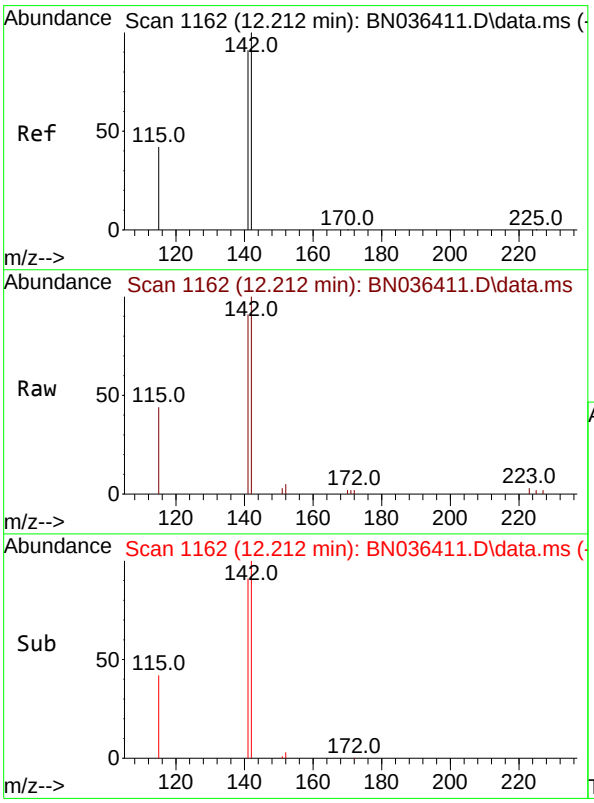
#11
2-Methylnaphthalene-d10
Concen: 0.440 ng
RT: 12.141 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3329

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

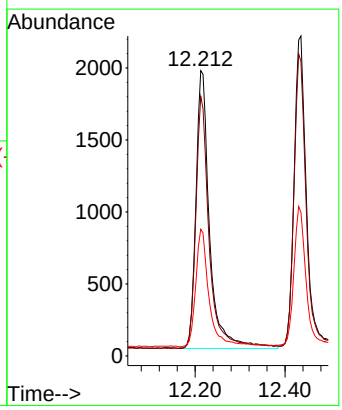


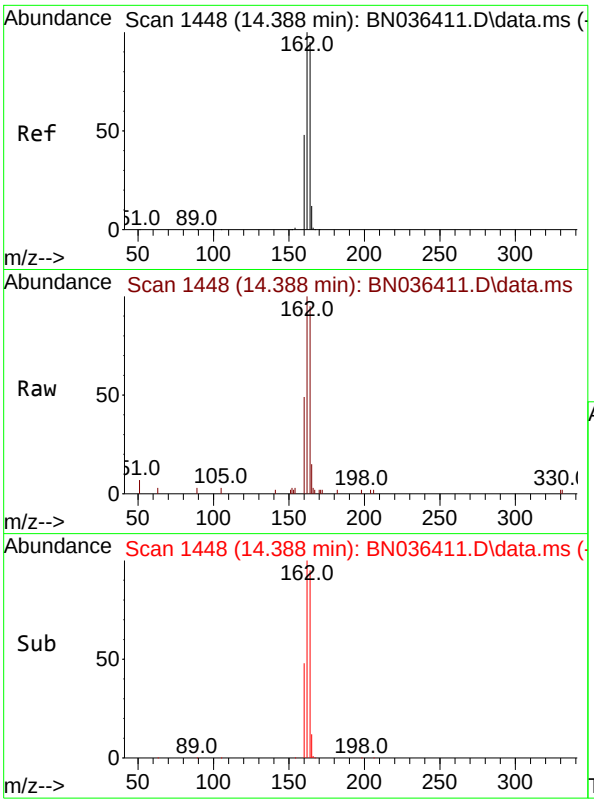


#12
2-Methylnaphthalene
Concen: 0.411 ng
RT: 12.212 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:142 Resp: 4078

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.8	109.2
115	44.4	35.5	53.3



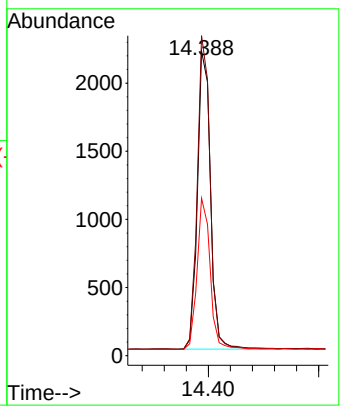


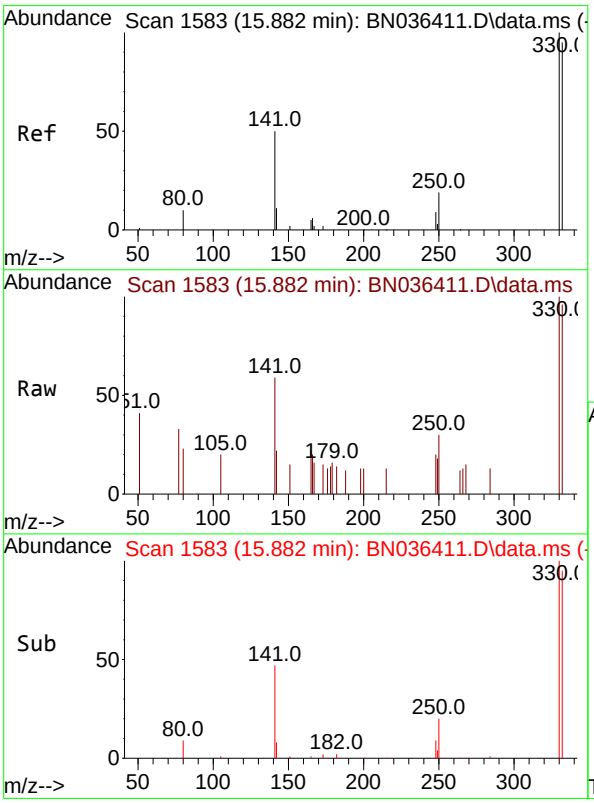
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 3606

Ion	Ratio	Lower	Upper
164	100		
162	105.1	84.1	126.1
160	51.7	41.4	62.0

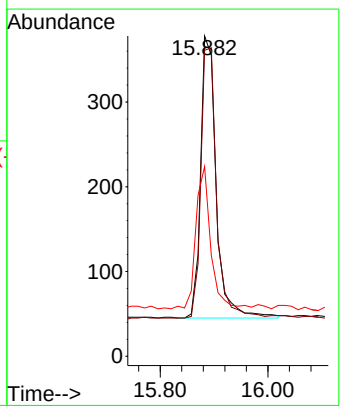


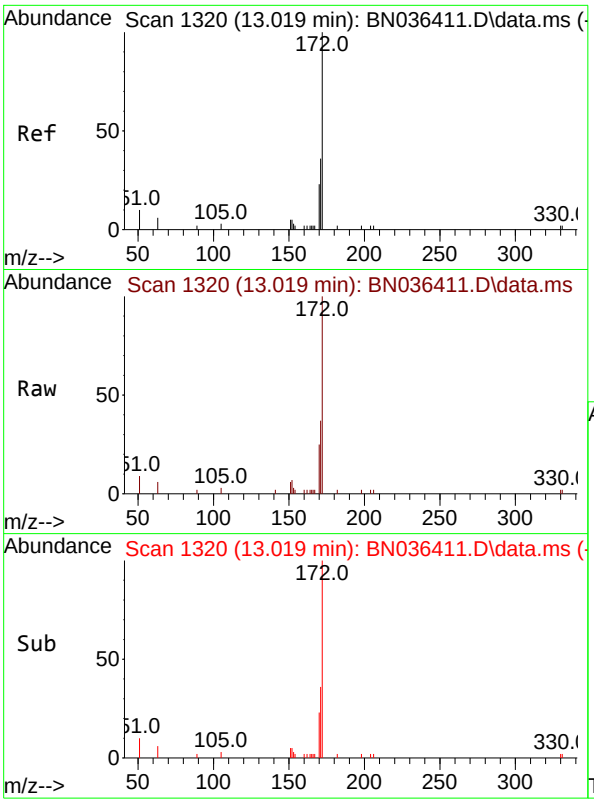


#14
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 15.882 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:330 Resp: 670

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	47.3	37.8	56.8



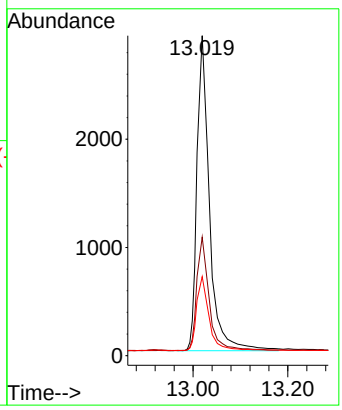


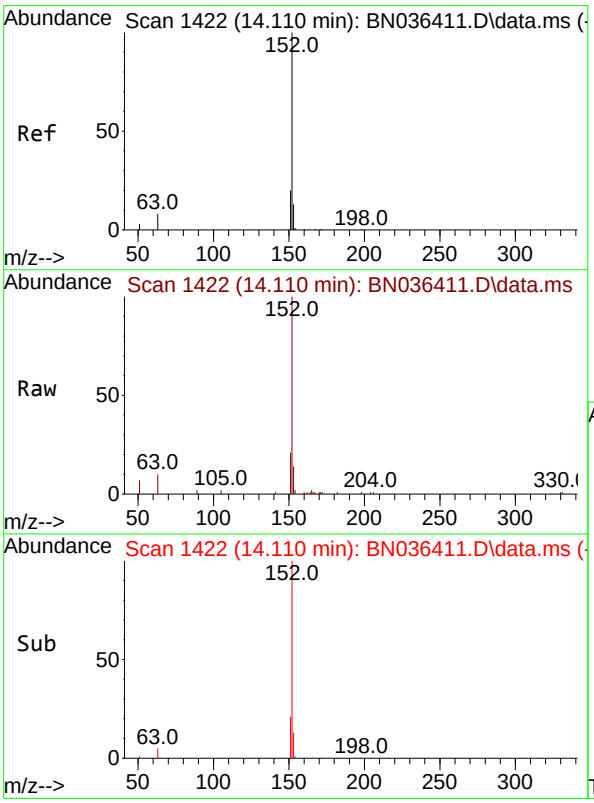
#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 4965

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.7	19.8	29.6

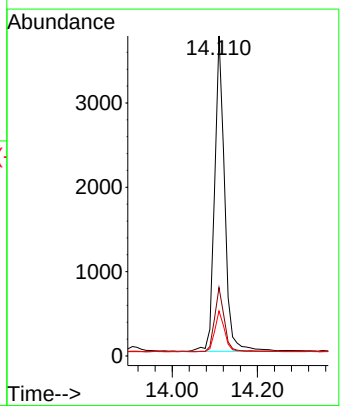


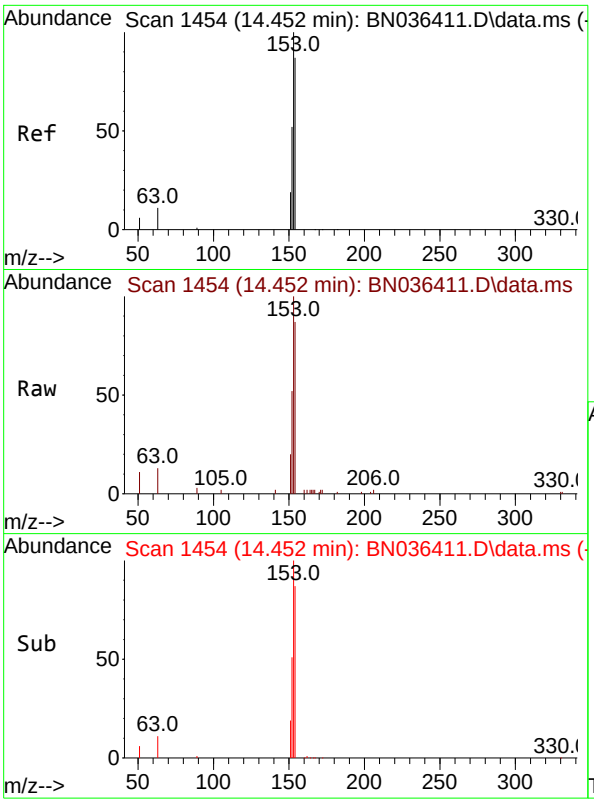


#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:152 Resp: 6103

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.7	10.2	15.2



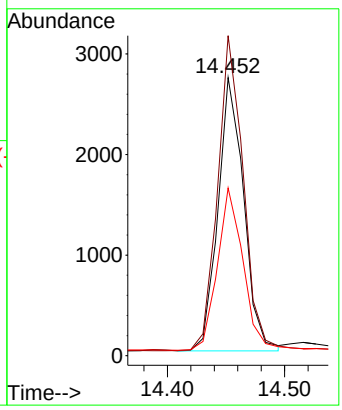


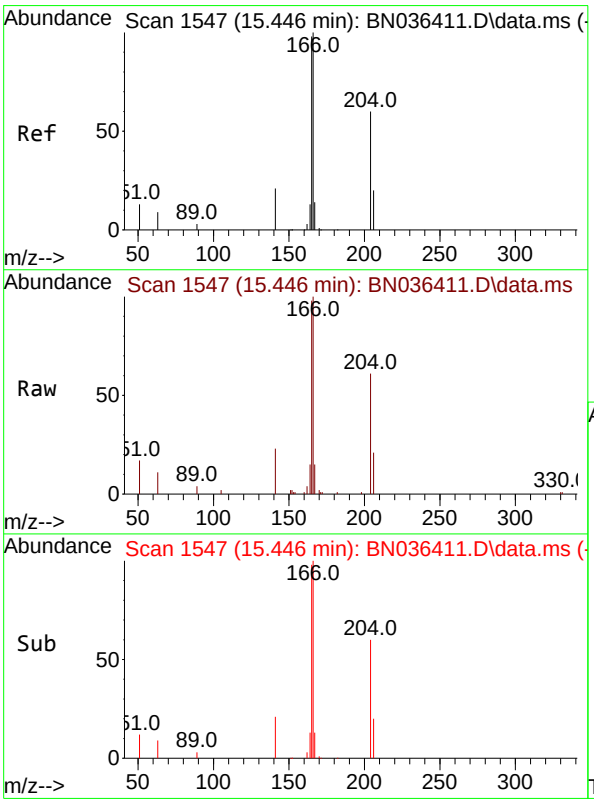
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.452 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 4132

Ion	Ratio	Lower	Upper
154	100		
153	116.6	93.3	139.9
152	61.0	48.8	73.2

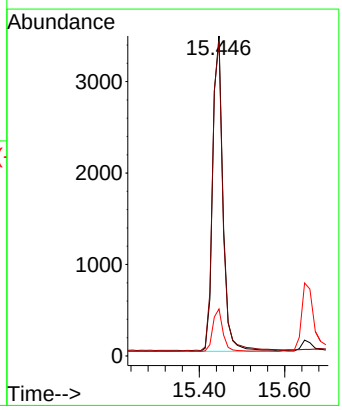


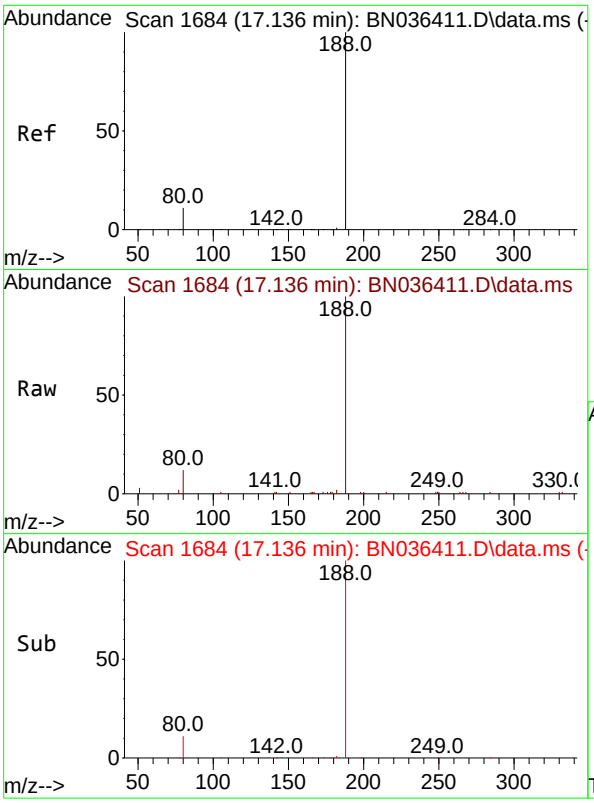


#18
Fluorene
Concen: 0.407 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:166 Resp: 5991

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.5	119.3
167	13.0	10.4	15.6



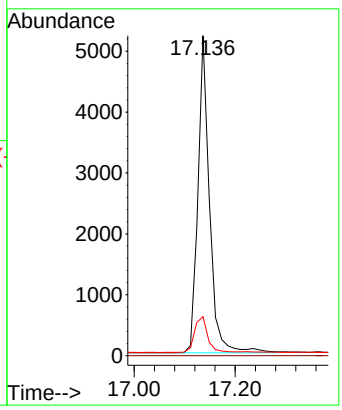


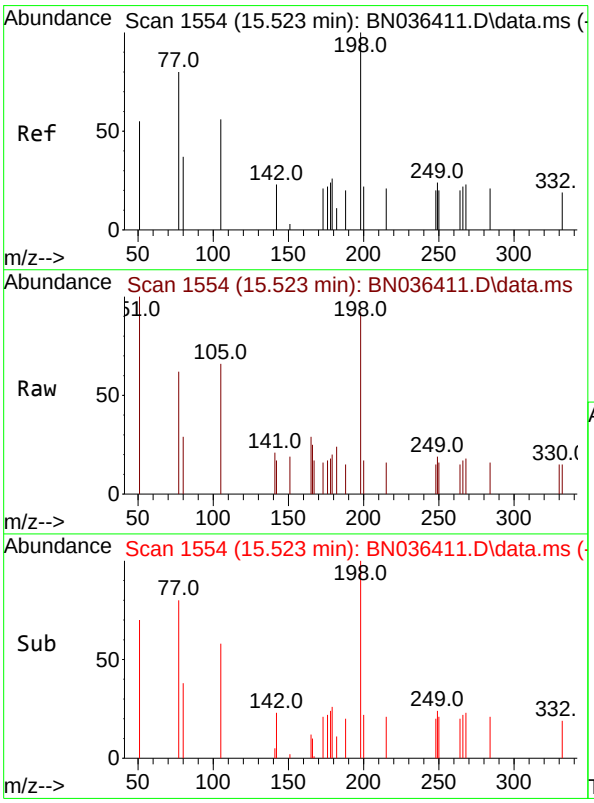
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 8328

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	9.8	14.6

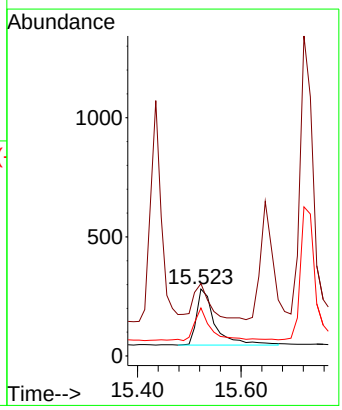


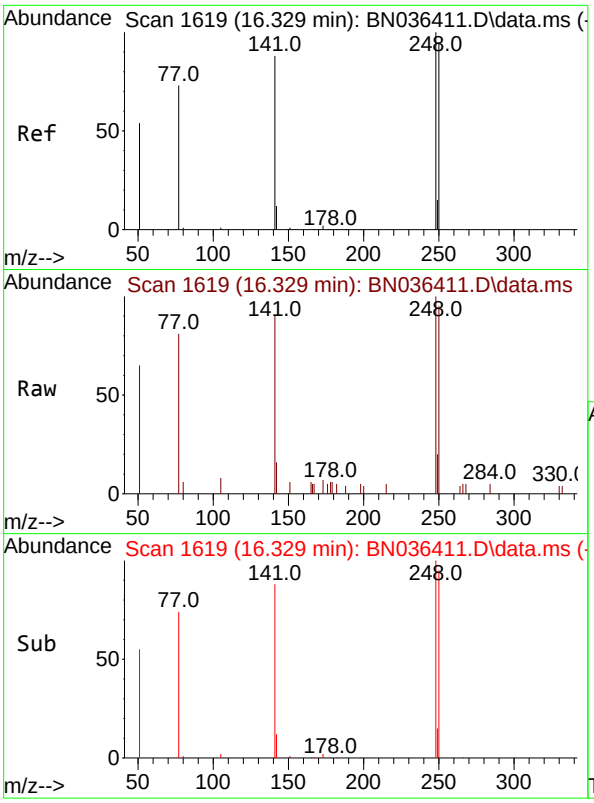


#20
4,6-Dinitro-2-methylphenol
Concen: 0.307 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:198 Resp: 572

Ion	Ratio	Lower	Upper
198	100		
51	108.2	86.6	129.8
105	71.9	57.5	86.3



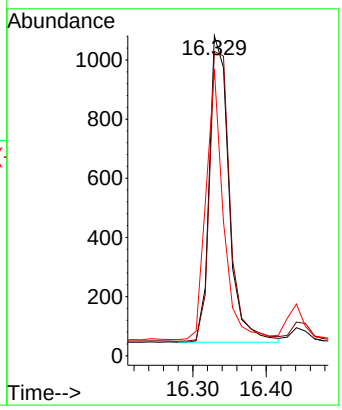


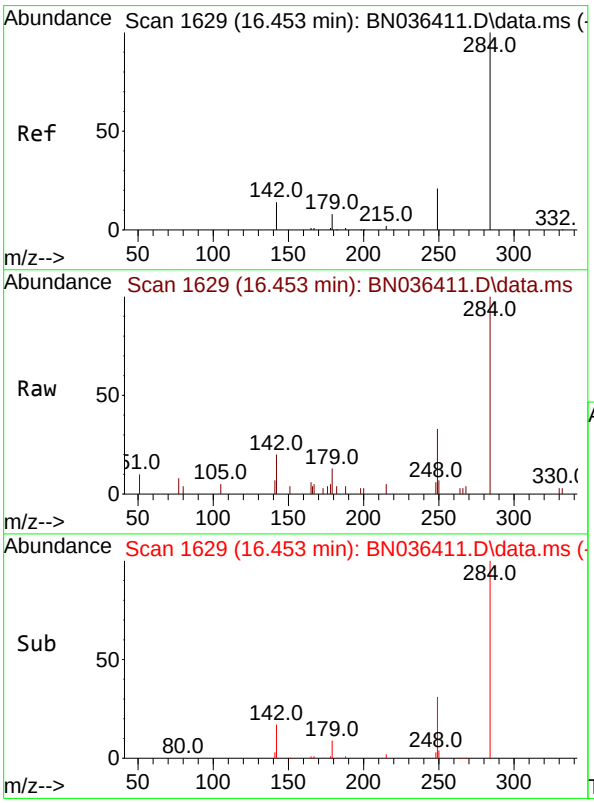
#21
4-Bromophenyl-phenylether
Concen: 0.337 ng
RT: 16.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 1920

Ion	Ratio	Lower	Upper
248	100		
250	95.1	76.1	114.1
141	89.6	71.7	107.5

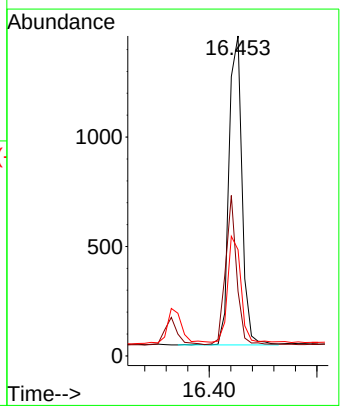


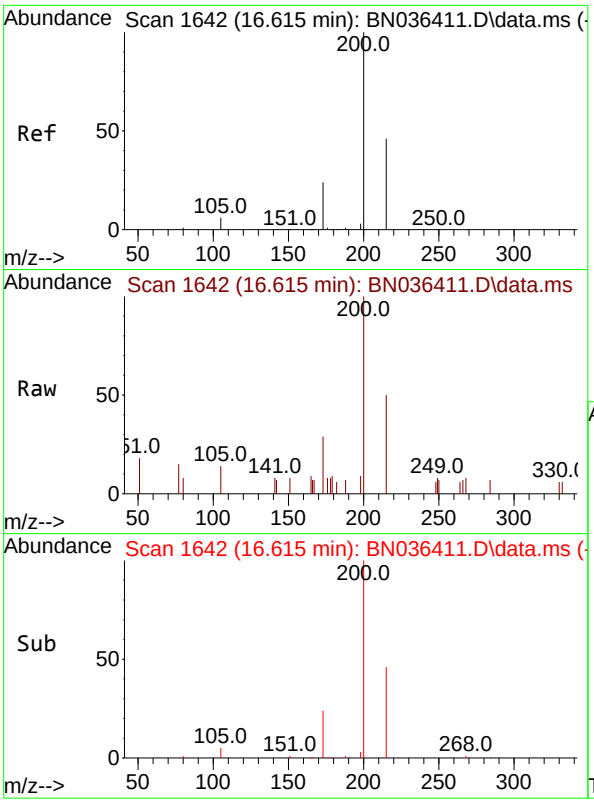


#22
Hexachlorobenzene
Concen: 0.318 ng
RT: 16.453 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:284 Resp: 2369

Ion	Ratio	Lower	Upper
284	100		
142	41.7	33.4	50.0
249	35.4	28.6	43.0



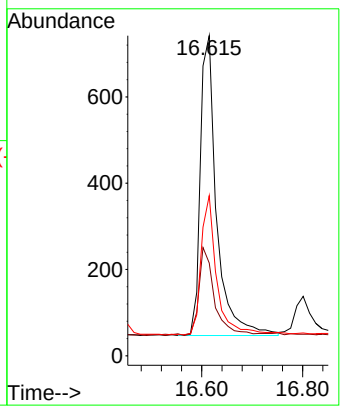


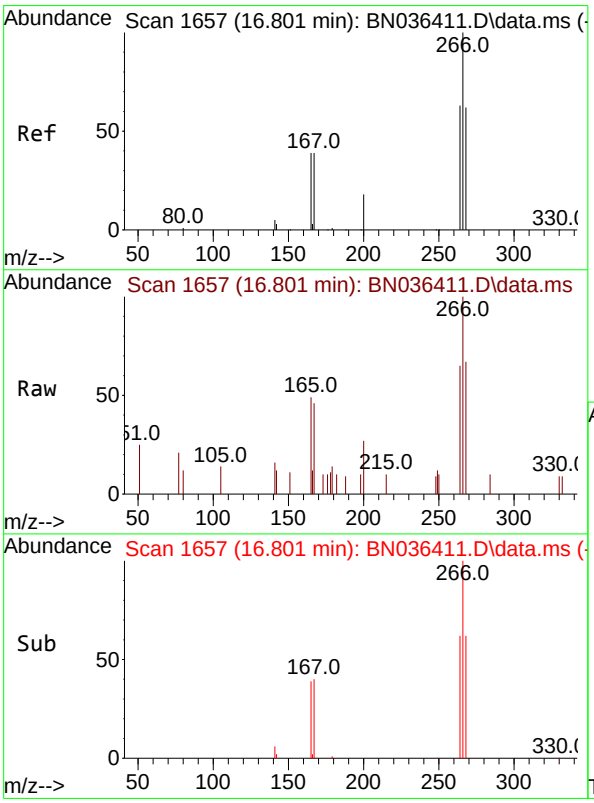
#23
Atrazine
Concen: 0.372 ng
RT: 16.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 1560

Ion	Ratio	Lower	Upper
200	100		
173	29.0	23.2	34.8
215	50.0	40.0	60.0

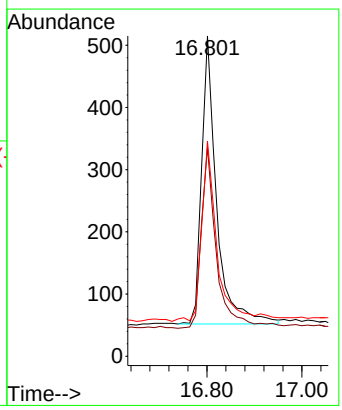


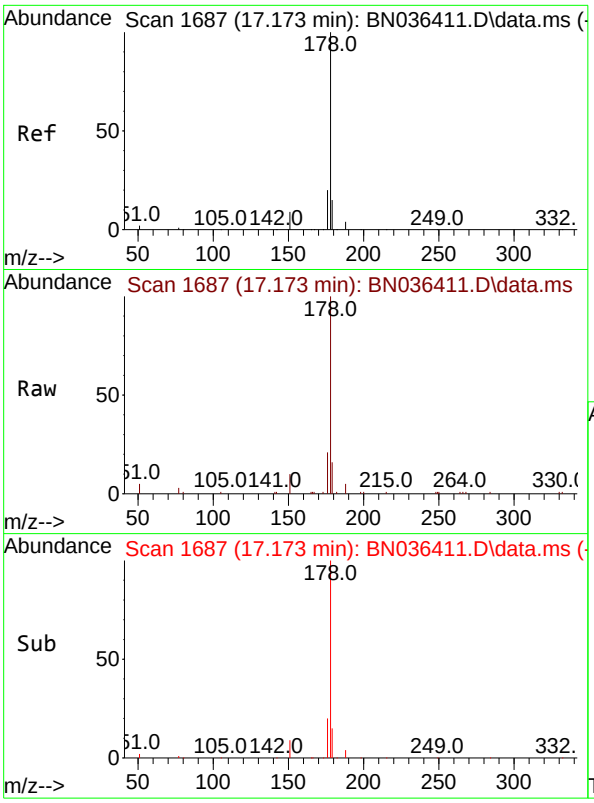


#24
Pentachlorophenol
Concen: 0.313 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:266 Resp: 1018

Ion	Ratio	Lower	Upper
266	100		
264	64.0	50.6	76.0
268	65.1	51.9	77.9



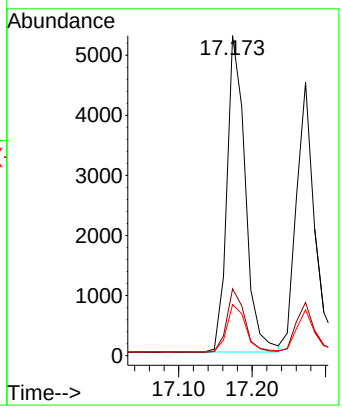


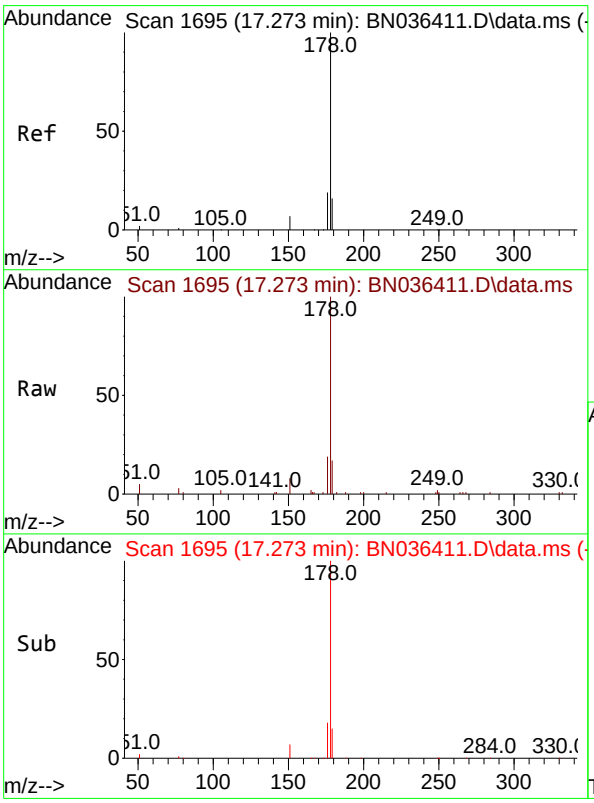
#25
Phenanthrene
Concen: 0.374 ng
RT: 17.173 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 9119

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.5	12.4	18.6

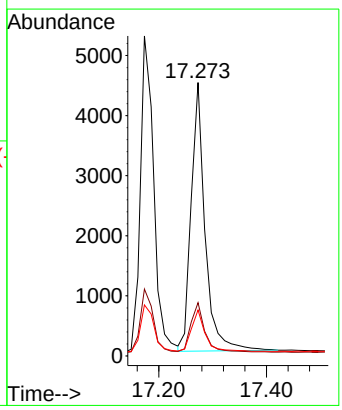


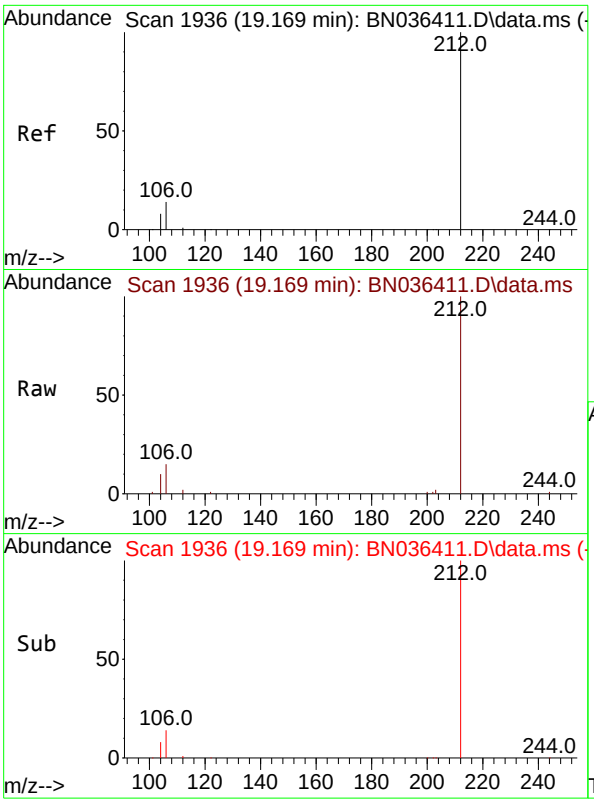


#26
Anthracene
Concen: 0.363 ng
RT: 17.273 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:178 Resp: 8056

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.3	12.4	18.6



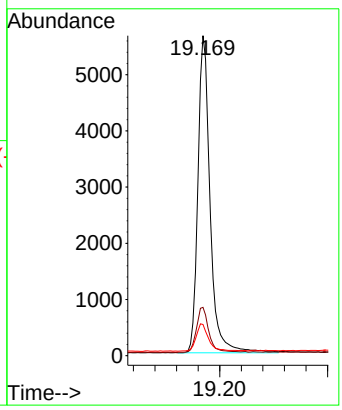


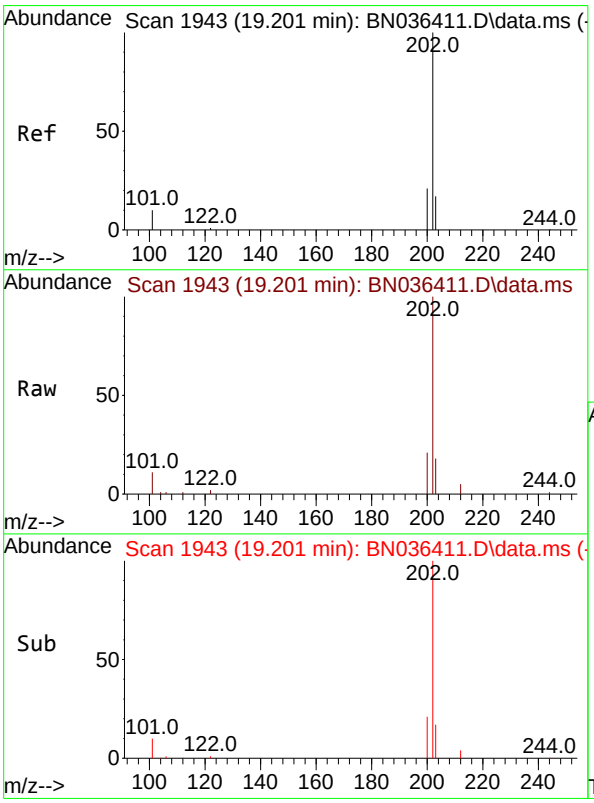
#27
Fluoranthene-d10
Concen: 0.413 ng
RT: 19.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 8851

Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.5	17.3
104	8.9	7.1	10.7

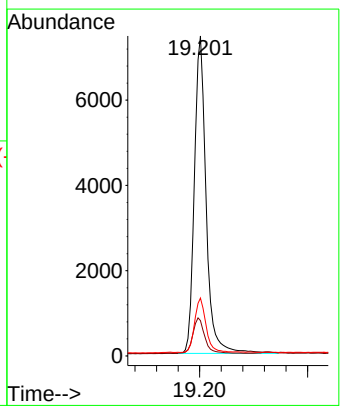


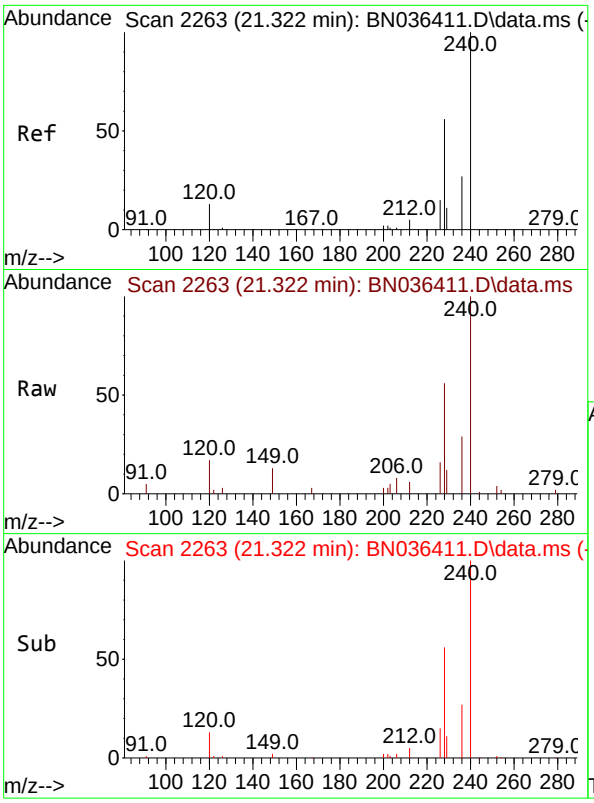


#28
Fluoranthene
Concen: 0.389 ng
RT: 19.201 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:202 Resp: 11264

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.2	13.8
203	16.7	13.4	20.0



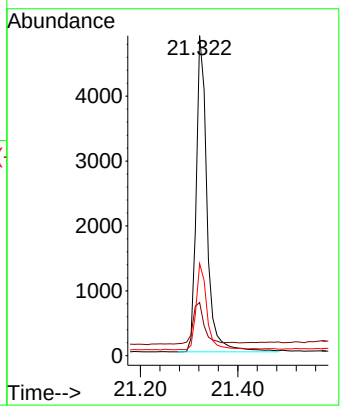


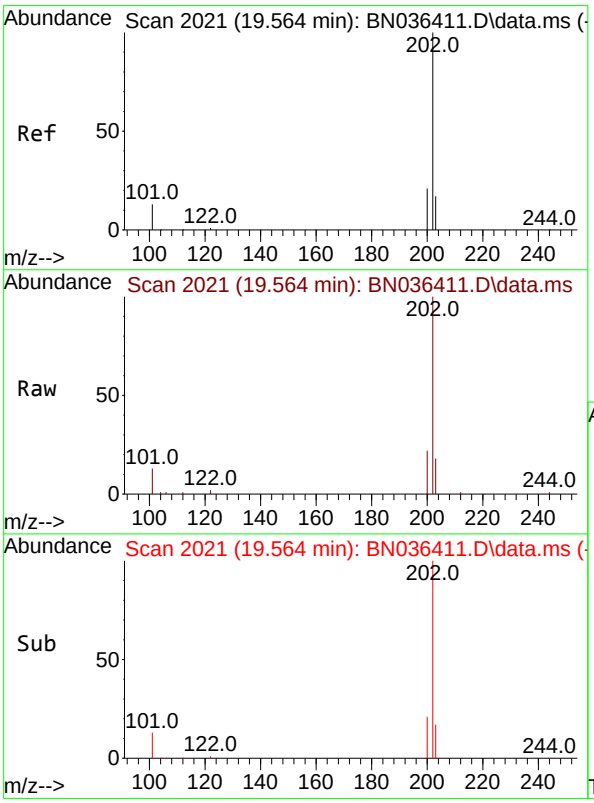
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 7484

Ion	Ratio	Lower	Upper
240	100		
120	16.6	13.3	19.9
236	28.8	23.0	34.6

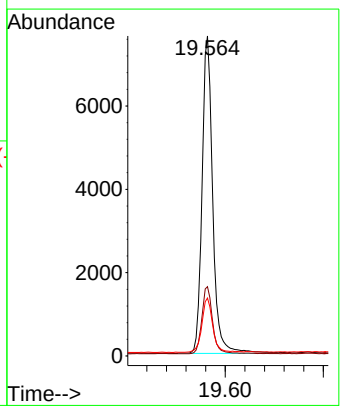


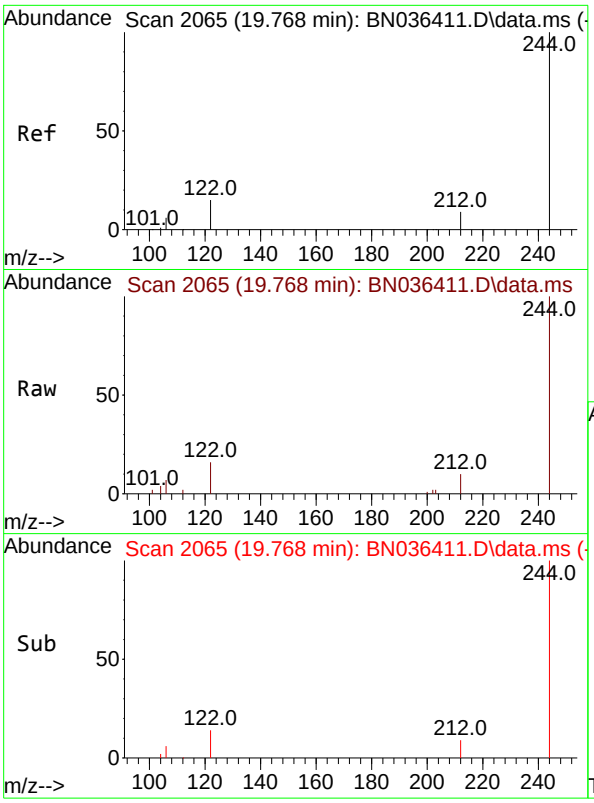


#30
Pyrene
Concen: 0.384 ng
RT: 19.564 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:202 Resp: 11479

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9



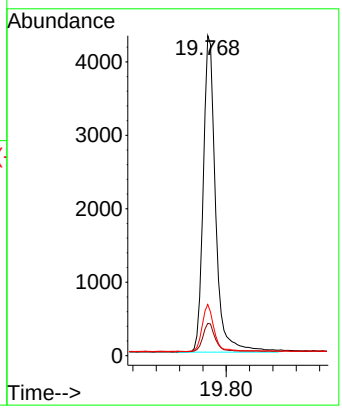


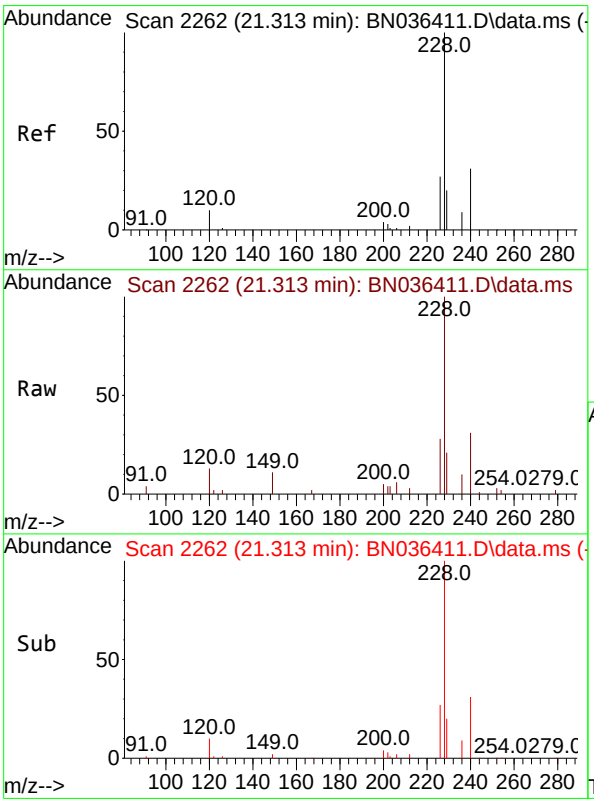
#31
Terphenyl-d14
Concen: 0.412 ng
RT: 19.768 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 6378

Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.1	12.1
122	16.0	12.8	19.2

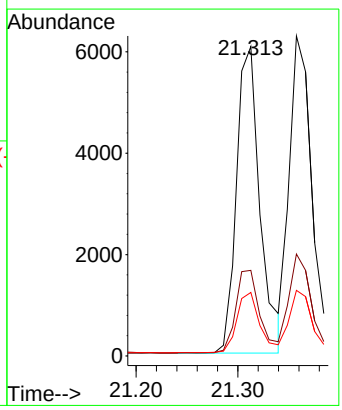


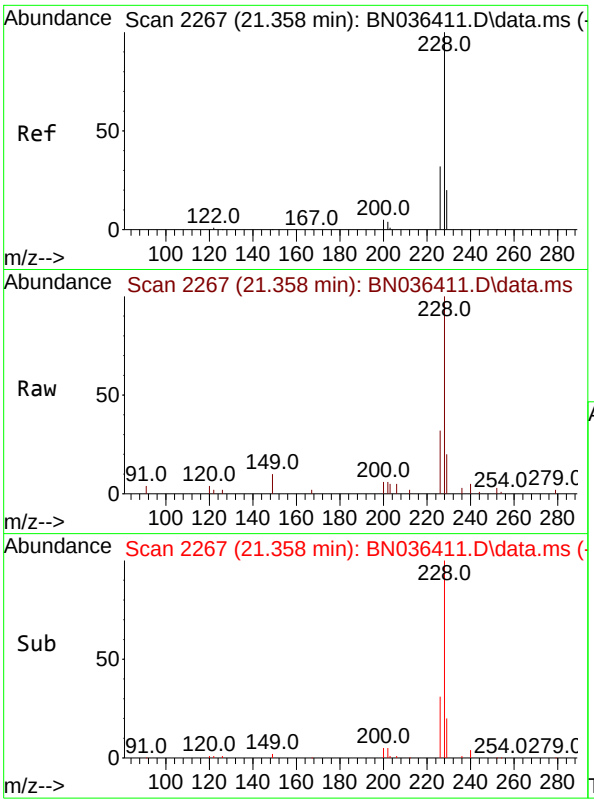


#32
Benzo(a)anthracene
Concen: 0.364 ng
RT: 21.313 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:228 Resp: 9677

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	20.6	16.5	24.7



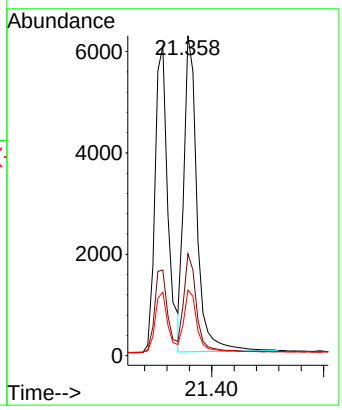


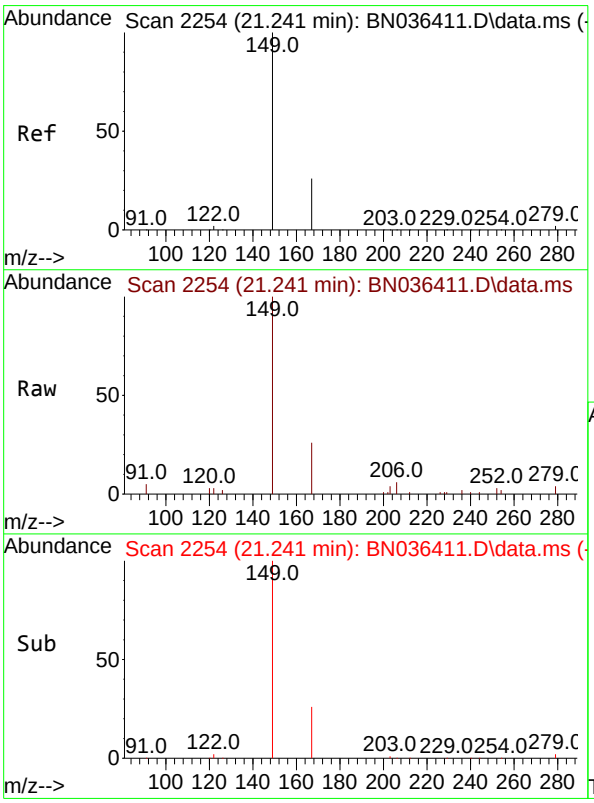
#33
Chrysene
Concen: 0.373 ng
RT: 21.358 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 10178

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.5	38.3
229	20.5	16.4	24.6

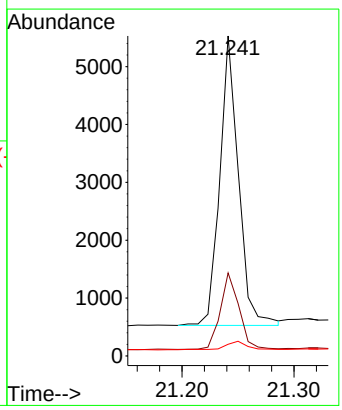


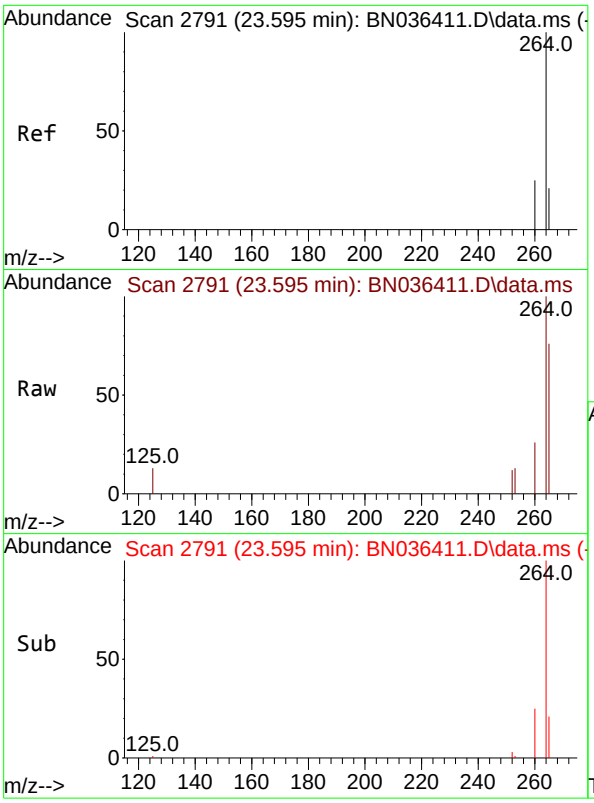


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.392 ng
RT: 21.241 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:149 Resp: 5815

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.2	31.8
279	3.4	2.7	4.1



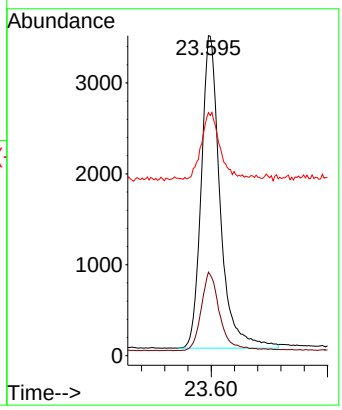


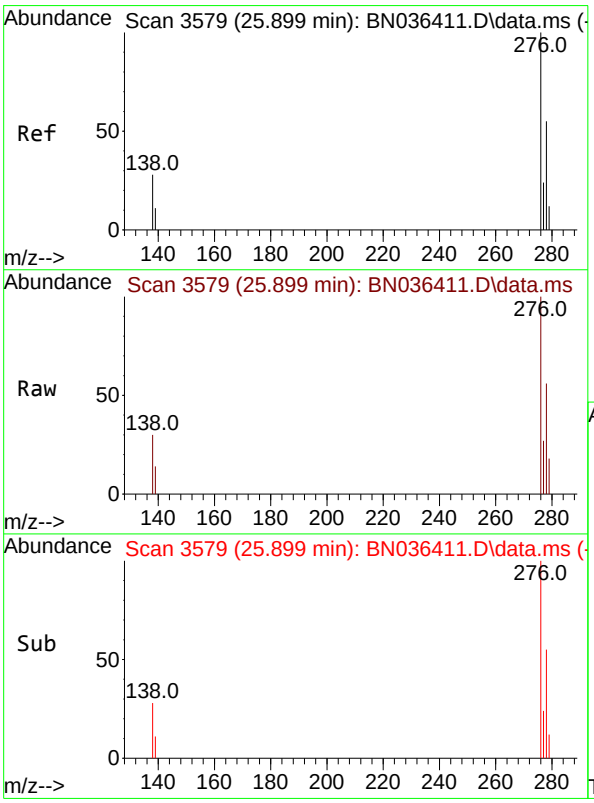
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.595 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 7735

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.9	31.3
265	75.9	60.7	91.1

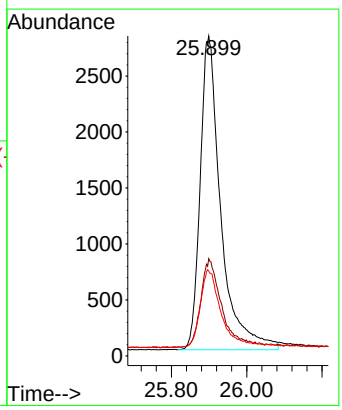


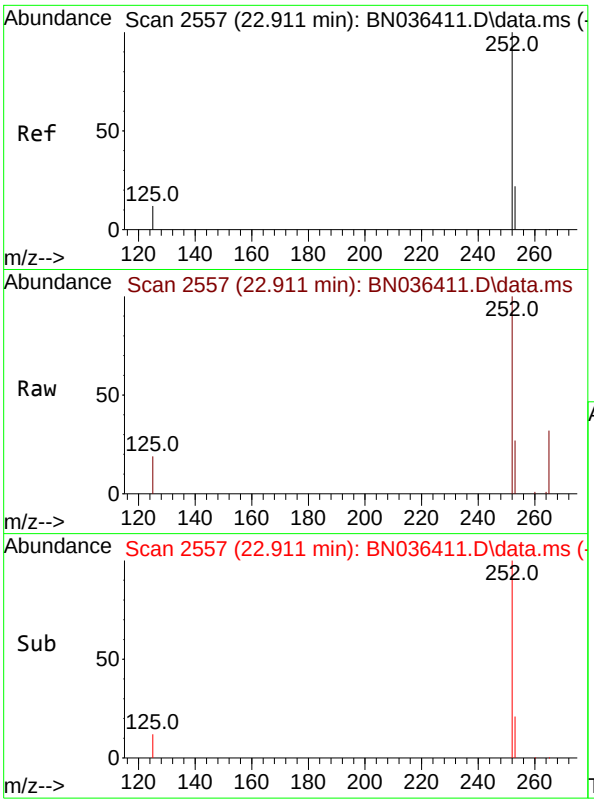


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.351 ng
RT: 25.899 min Scan# 3579
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:276 Resp: 10661

Ion	Ratio	Lower	Upper
276	100		
138	27.8	22.2	33.2
277	24.8	19.8	29.6



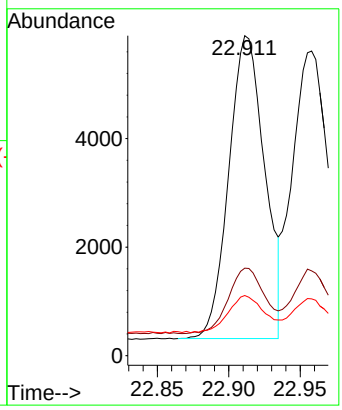


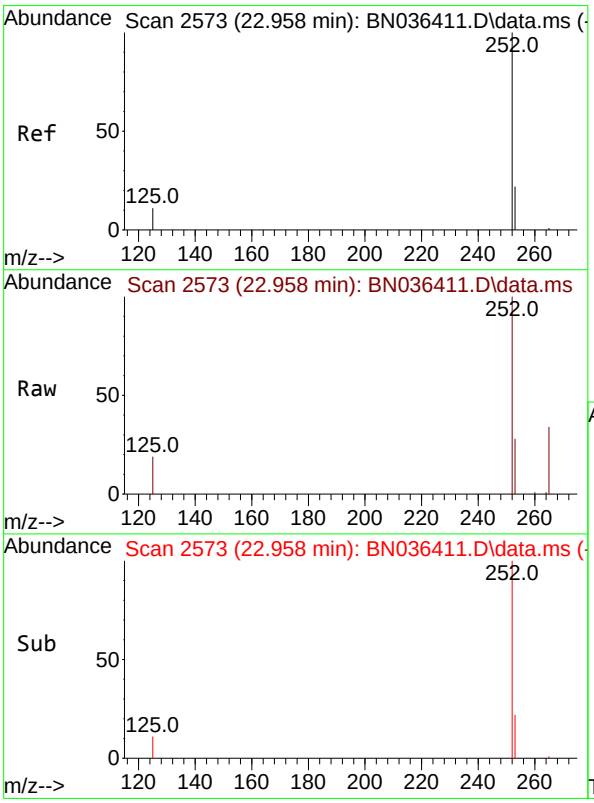
#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.911 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 9743

Ion	Ratio	Lower	Upper
252	100		
253	27.4	21.9	32.9
125	18.8	15.0	22.6

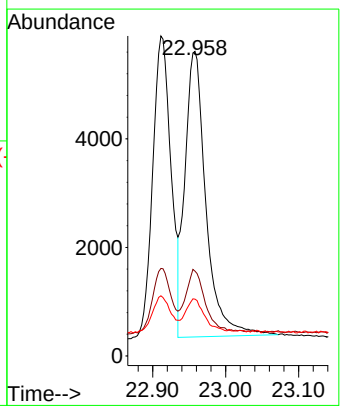


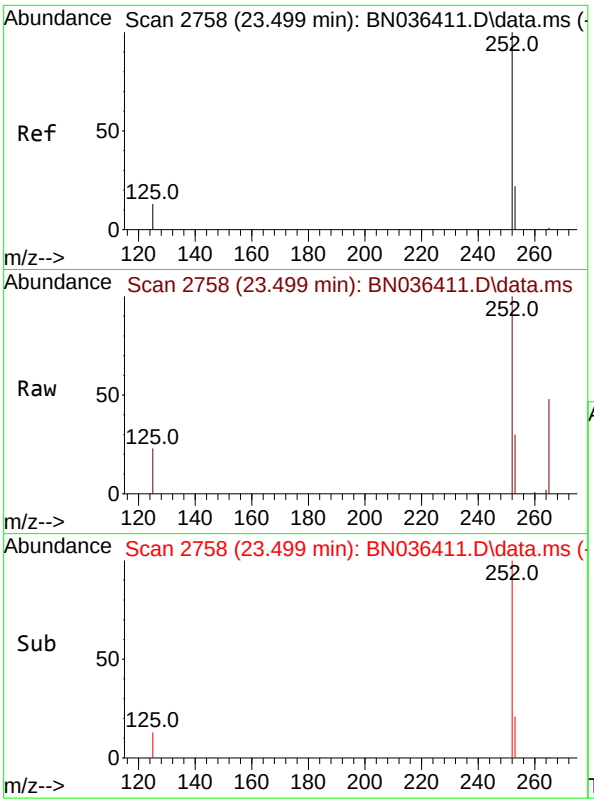


#38
Benzo(k)fluoranthene
Concen: 0.377 ng
RT: 22.958 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:252 Resp: 10543

Ion	Ratio	Lower	Upper
252	100		
253	27.8	22.2	33.4
125	18.7	15.0	22.4



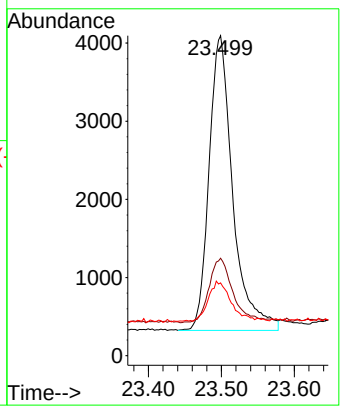


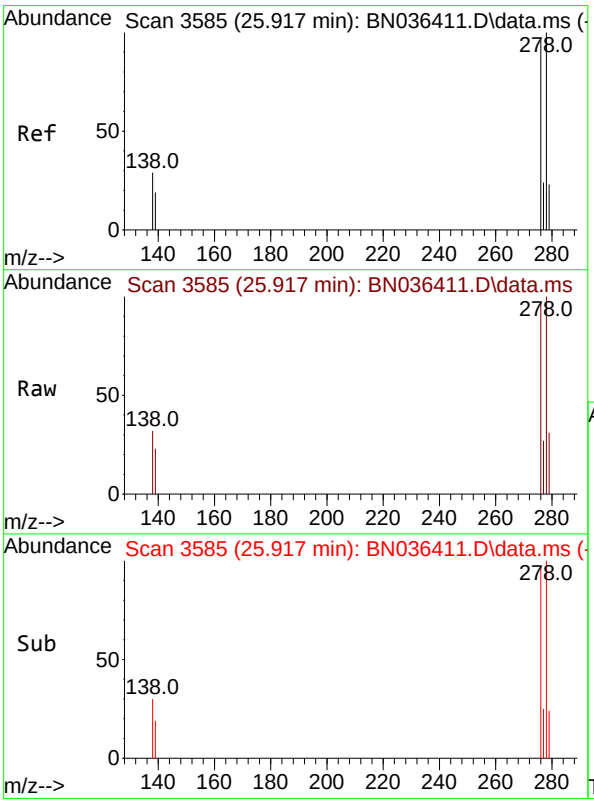
#39
Benzo(a)pyrene
Concen: 0.362 ng
RT: 23.499 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 8521

Ion	Ratio	Lower	Upper
252	100		
253	30.5	24.4	36.6
125	22.7	18.2	27.2

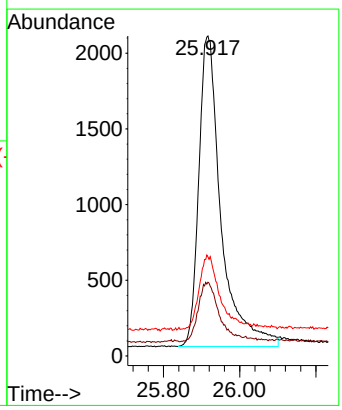


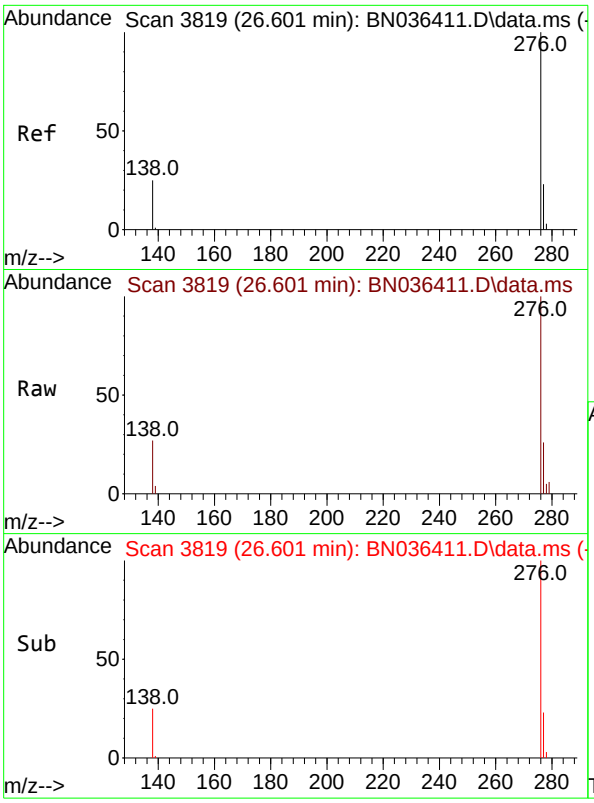


#40
Dibenzo(a,h)anthracene
Concen: 0.344 ng
RT: 25.917 min Scan# 3585
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Tgt Ion:278 Resp: 8314

Ion	Ratio	Lower	Upper
278	100		
139	23.1	18.5	27.7
279	31.0	24.8	37.2





#41
Benzo(g,h,i)perylene
Concen: 0.366 ng
RT: 26.601 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN036411.D
Acq: 10 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 9701

Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.7	31.1
138	27.2	21.8	32.6