Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
Data File : BN036419.D
Acq On : 11 Feb 2025 10:38
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Feb 11 12:09:24 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 01:17:14 2025
Response via : Initial Calibration

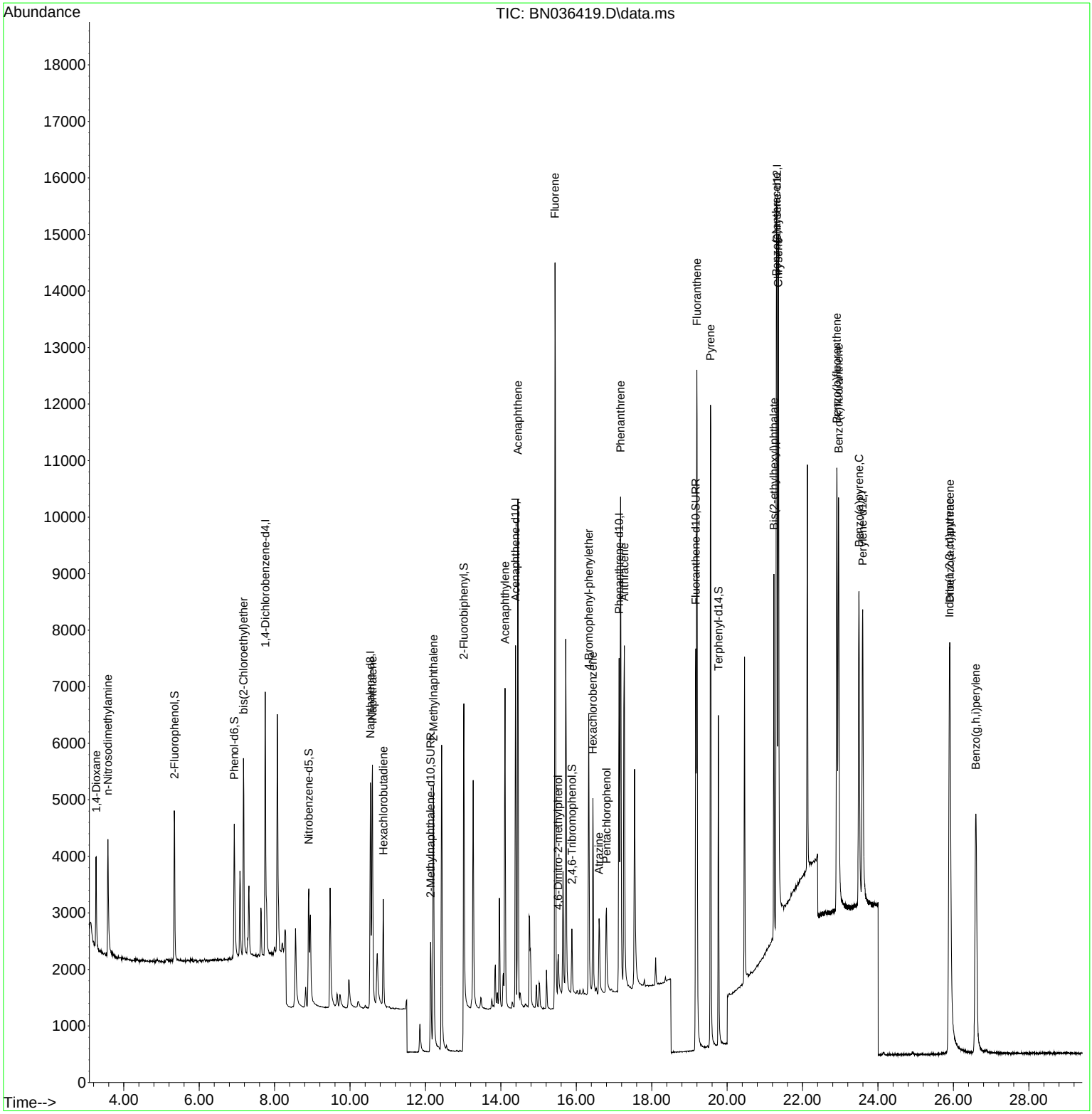
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.753	152	2297	0.400	ng		0.00
7) Naphthalene-d8	10.541	136	5702	0.400	ng		0.00
13) Acenaphthene-d10	14.388	164	3750	0.400	ng		0.00
19) Phenanthrene-d10	17.136	188	8399	0.400	ng		0.00
29) Chrysene-d12	21.322	240	7728	0.400	ng		0.00
35) Perylene-d12	23.595	264	7910	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.348	112	2043	0.376	ng		0.00
5) Phenol-d6	6.930	99	2339	0.367	ng		0.00
8) Nitrobenzene-d5	8.907	82	2136	0.380	ng		0.00
11) 2-Methylnaphthalene-d10	12.136	152	3404	0.388	ng		0.00
14) 2,4,6-Tribromophenol	15.883	330	655	0.352	ng		0.00
15) 2-Fluorobiphenyl	13.019	172	5289	0.375	ng		0.00
27) Fluoranthene-d10	19.169	212	9036	0.387	ng		0.00
31) Terphenyl-d14	19.768	244	6442	0.391	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.268	88	983	0.391	ng		97
3) n-Nitrosodimethylamine	3.579	42	1757	0.403	ng	#	99
6) bis(2-Chloroethyl)ether	7.176	93	2691	0.404	ng		96
9) Naphthalene	10.594	128	6378	0.388	ng		100
10) Hexachlorobutadiene	10.883	225	1582	0.395	ng	#	100
12) 2-Methylnaphthalene	12.212	142	4140	0.384	ng		98
16) Acenaphthylene	14.110	152	6348	0.383	ng		99
17) Acenaphthene	14.452	154	4257	0.385	ng		100
18) Fluorene	15.435	166	6184	0.393	ng		100
20) 4,6-Dinitro-2-methylph...	15.523	198	569	0.345	ng		92
21) 4-Bromophenyl-phenylether	16.329	248	1994	0.398	ng		95
22) Hexachlorobenzene	16.441	284	2491	0.403	ng		98
23) Atrazine	16.602	200	1518	0.363	ng	#	93
24) Pentachlorophenol	16.801	266	1020	0.347	ng		97
25) Phenanthrene	17.173	178	9457	0.390	ng		99
26) Anthracene	17.273	178	8241	0.385	ng		99
28) Fluoranthene	19.197	202	11494	0.385	ng		100
30) Pyrene	19.559	202	11643	0.391	ng		99
32) Benzo(a)anthracene	21.304	228	9625	0.378	ng		98
33) Chrysene	21.358	228	11407	0.414	ng		98
34) Bis(2-ethylhexyl)phtha...	21.241	149	5511	0.348	ng		100
36) Indeno(1,2,3-cd)pyrene	25.893	276	11010	0.398	ng		99
37) Benzo(b)fluoranthene	22.908	252	10324	0.396	ng		100
38) Benzo(k)fluoranthene	22.955	252	11121	0.415	ng		98
39) Benzo(a)pyrene	23.496	252	9001	0.396	ng		98
40) Dibenzo(a,h)anthracene	25.908	278	8554	0.392	ng		98
41) Benzo(g,h,i)perylene	26.595	276	9845	0.398	ng		99

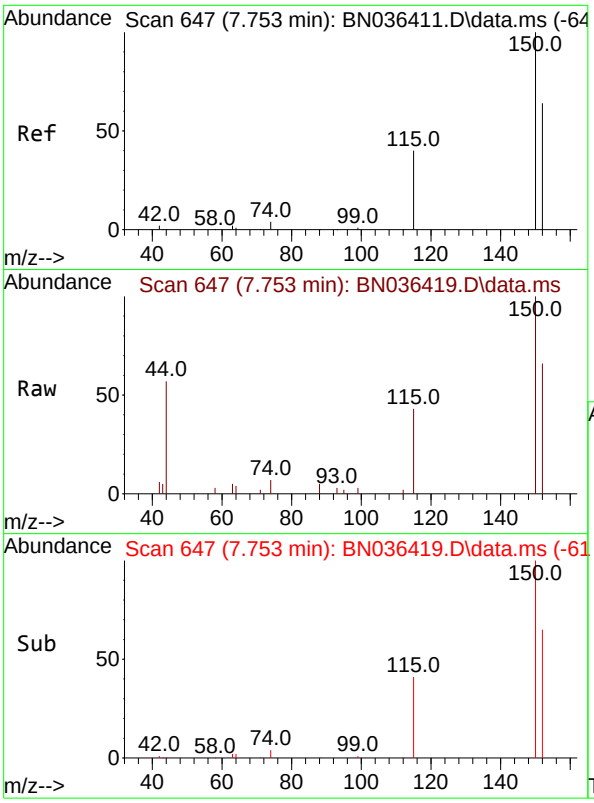
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
Data File : BN036419.D
Acq On : 11 Feb 2025 10:38
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Feb 11 12:09:24 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 01:17:14 2025
Response via : Initial Calibration



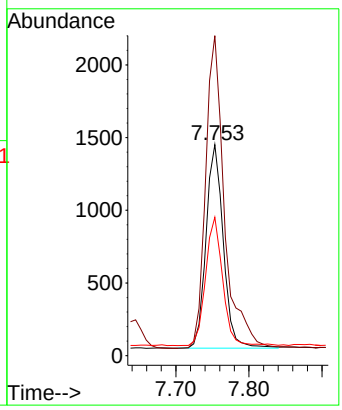


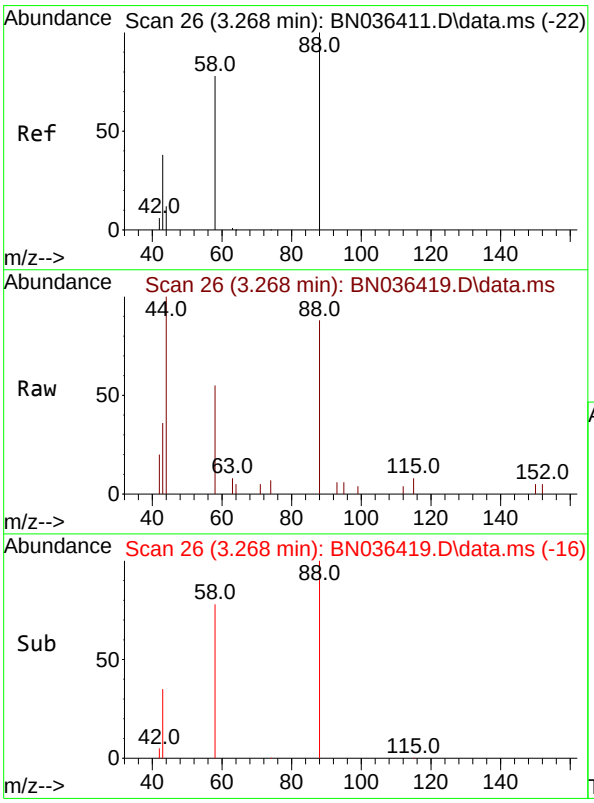
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.753 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2297

Ion	Ratio	Lower	Upper
152	100		
150	151.6	123.7	185.5
115	65.6	52.5	78.7

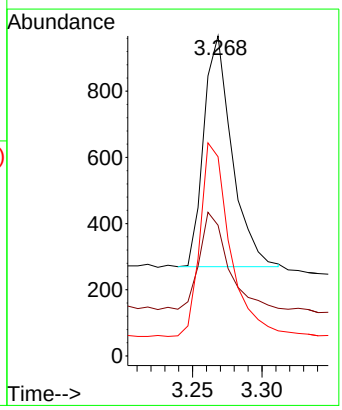


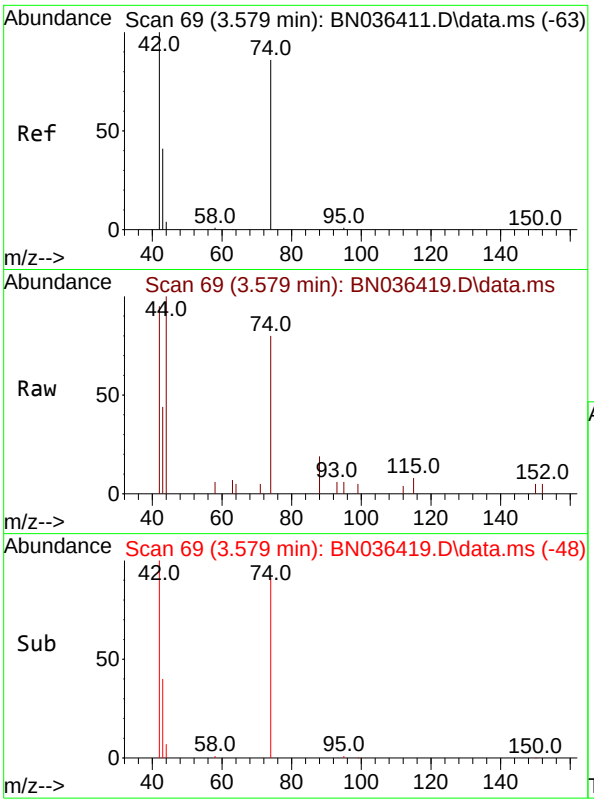


#2
1,4-Dioxane
Concen: 0.391 ng
RT: 3.268 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion: 88 Resp: 983

Ion	Ratio	Lower	Upper
88	100		
43	43.4	33.7	50.5
58	89.0	68.9	103.3



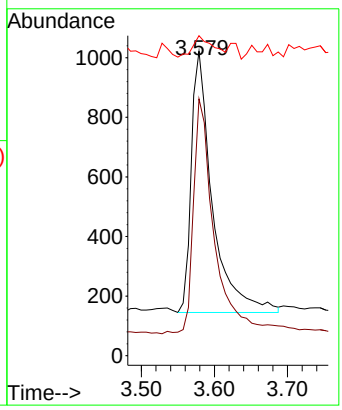


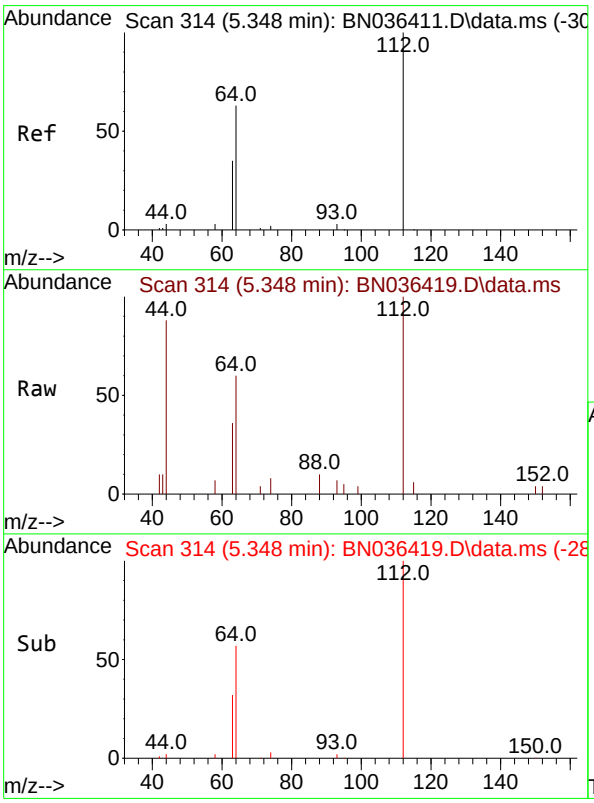
#3
n-Nitrosodimethylamine
Concen: 0.403 ng
RT: 3.579 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1757

Ion	Ratio	Lower	Upper
42	100		
74	90.4	71.8	107.6
44	7.6	7.8	11.6#

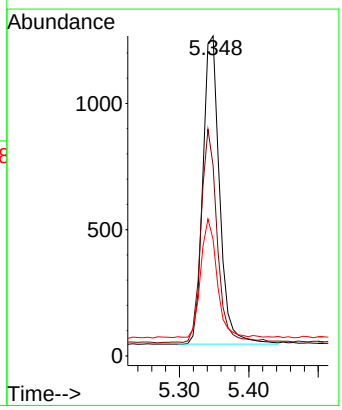


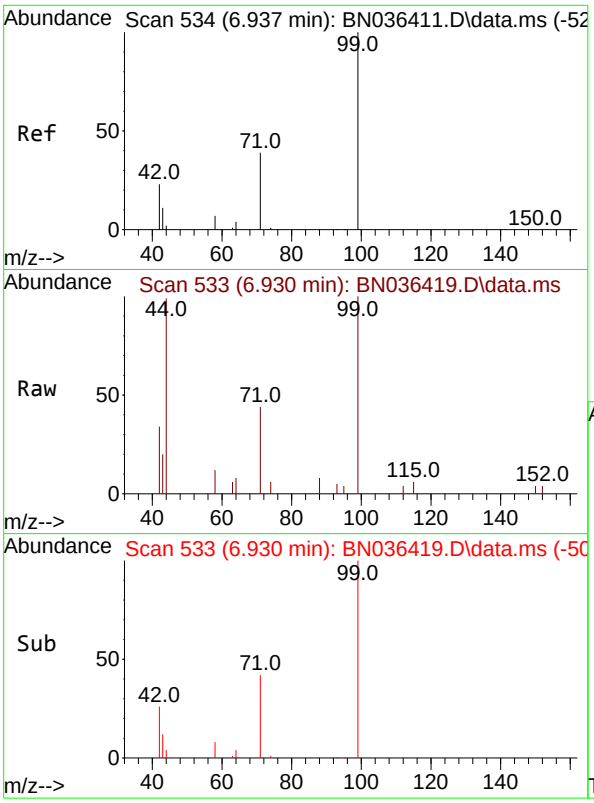


#4
2-Fluorophenol
Concen: 0.376 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:112 Resp: 2043

Ion	Ratio	Lower	Upper
112	100		
64	68.1	53.4	80.0
63	37.2	30.3	45.5



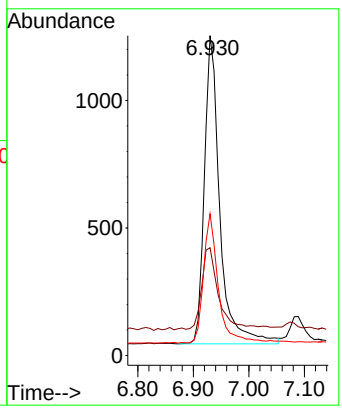


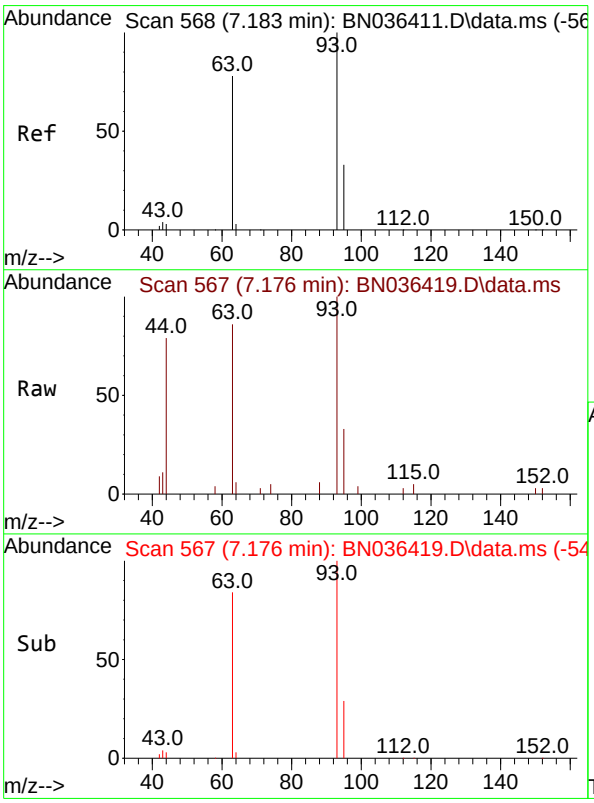
#5
Phenol-d6
Concen: 0.367 ng
RT: 6.930 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2339

Ion	Ratio	Lower	Upper
99	100		
42	28.5	21.7	32.5
71	39.6	32.6	49.0

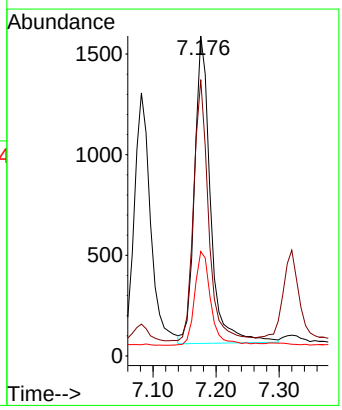


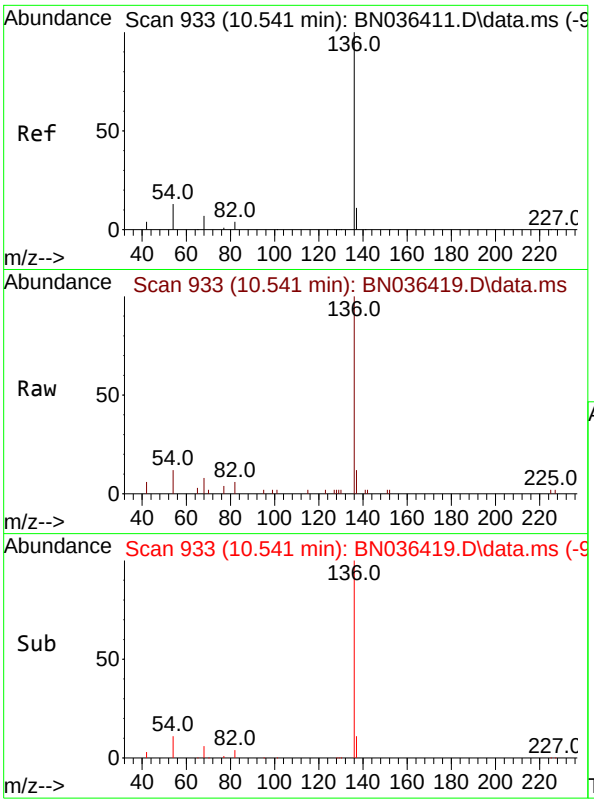


#6
bis(2-Chloroethyl)ether
Concen: 0.404 ng
RT: 7.176 min Scan# 567
Delta R.T. -0.007 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion: 93 Resp: 2691

Ion	Ratio	Lower	Upper
93	100		
63	79.2	66.3	99.5
95	30.8	26.2	39.4



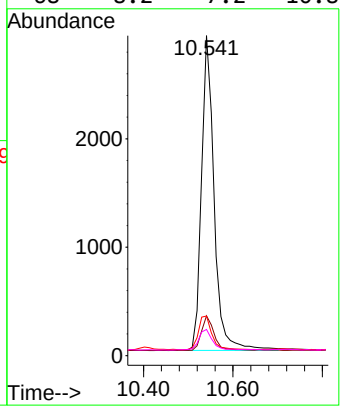


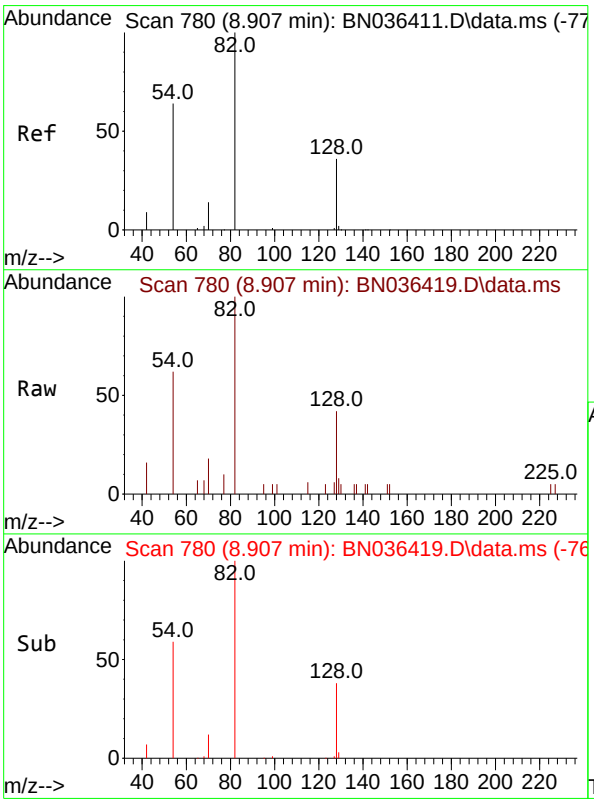
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.541 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5702

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.1	15.1
54	12.4	11.8	17.6
68	8.2	7.2	10.8

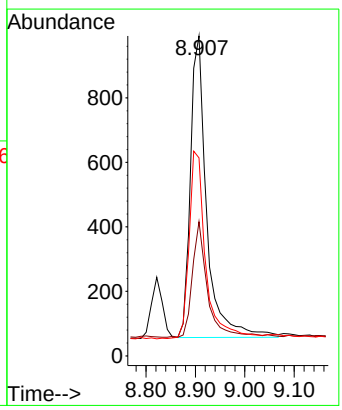


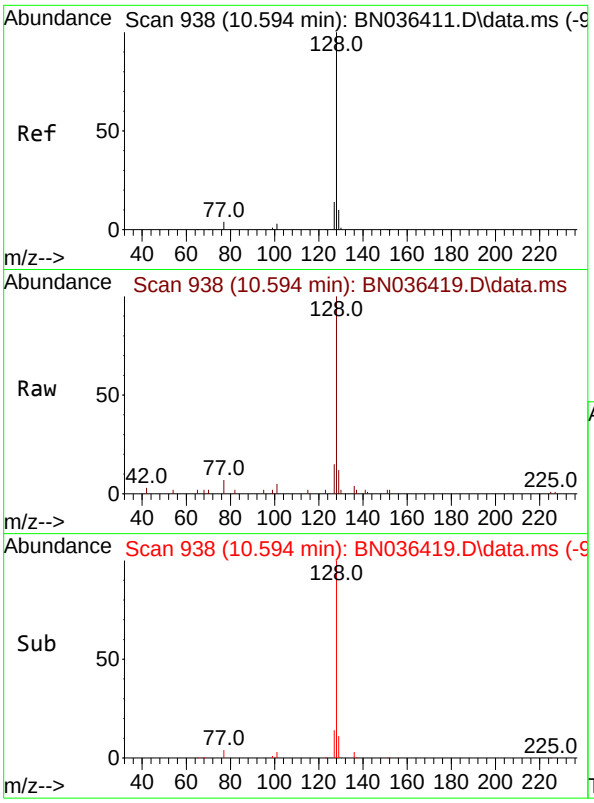


#8
Nitrobenzene-d5
Concen: 0.380 ng
RT: 8.907 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion: 82 Resp: 2136

Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.9	47.9
54	61.9	53.1	79.7



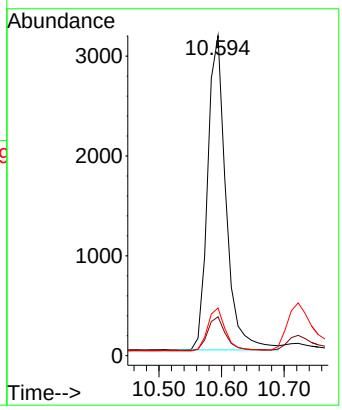


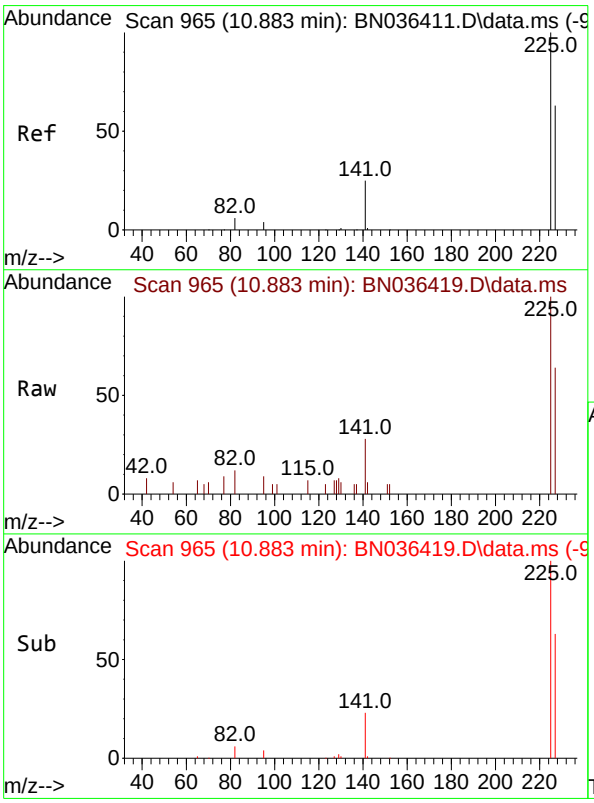
#9
Naphthalene
Concen: 0.388 ng
RT: 10.594 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 6378

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.6	14.4
127	14.9	12.0	18.0

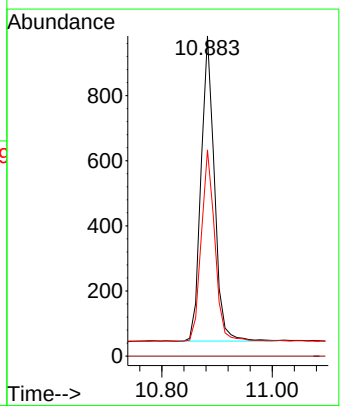


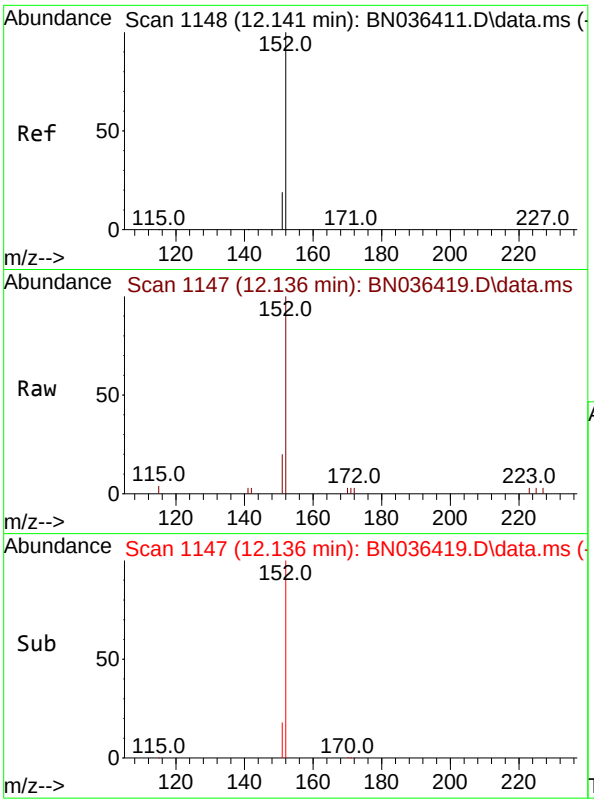


#10
Hexachlorobutadiene
Concen: 0.395 ng
RT: 10.883 min Scan# 965
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:225 Resp: 1582

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.9	76.3



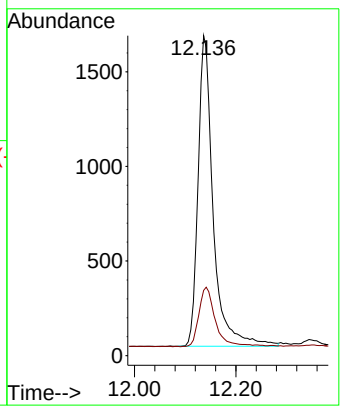


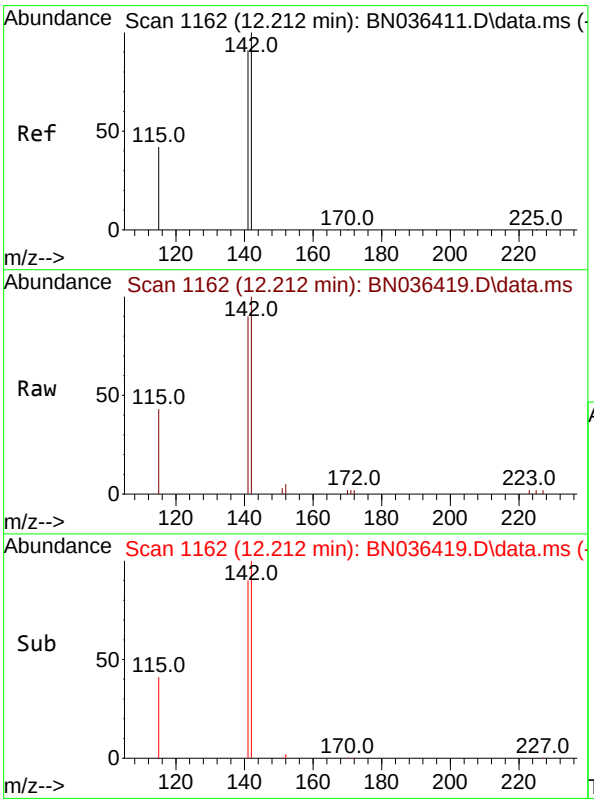
#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 12.136 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3404

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.6	25.0

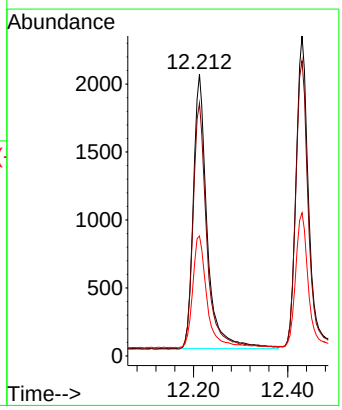


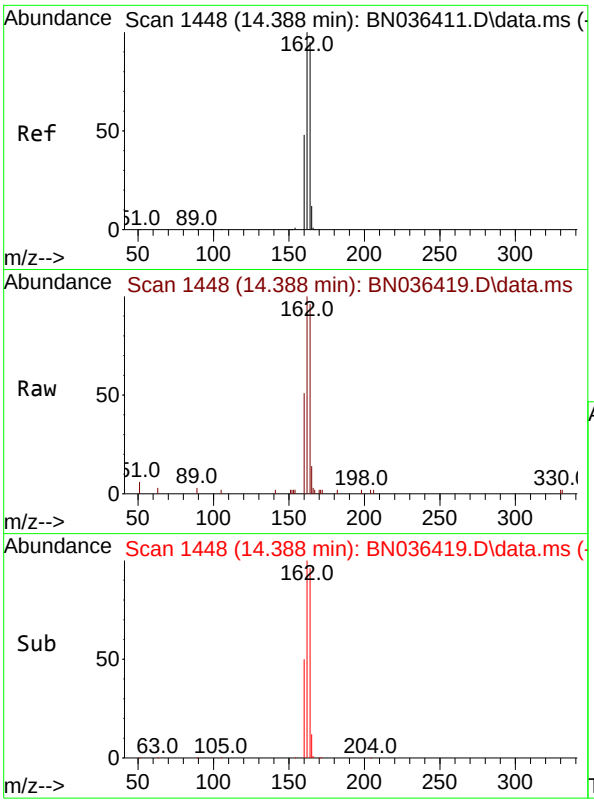


#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.212 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:142 Resp: 4140

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.8	109.2
115	42.5	35.5	53.3



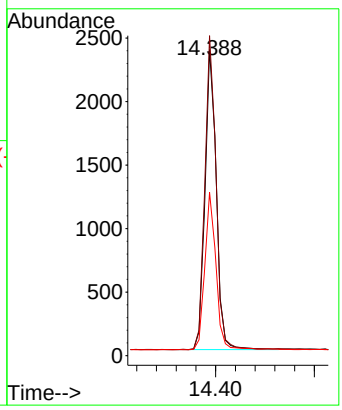


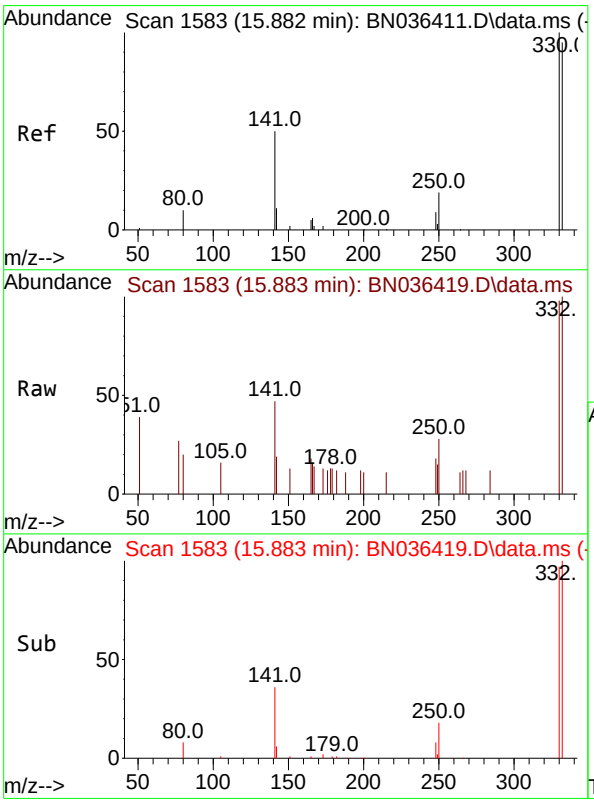
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3750

Ion	Ratio	Lower	Upper
164	100		
162	104.6	84.1	126.1
160	53.4	41.4	62.0

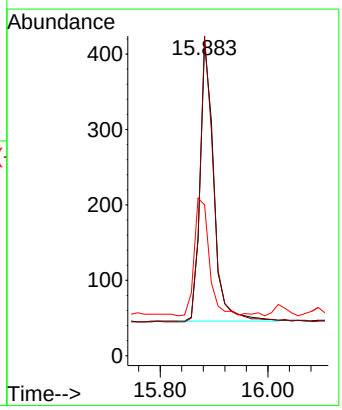


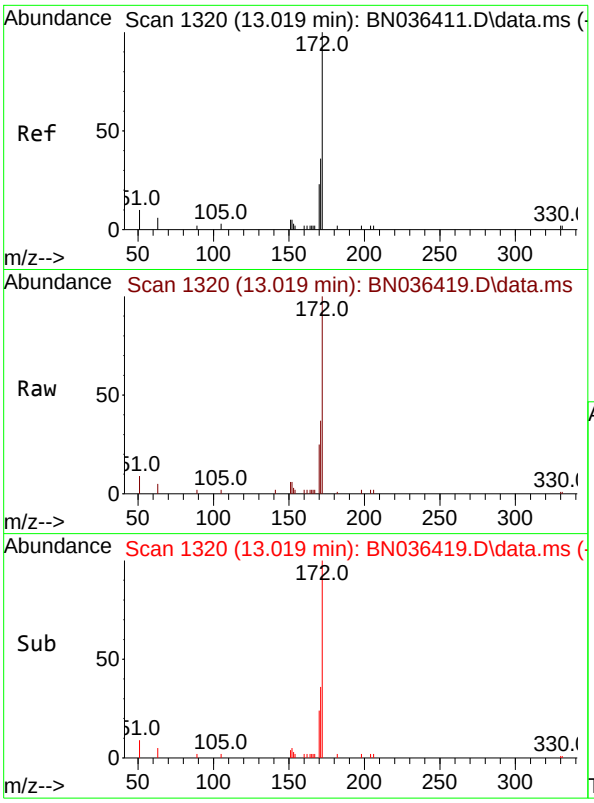


#14
2,4,6-Tribromophenol
Concen: 0.352 ng
RT: 15.883 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:330 Resp: 655

Ion	Ratio	Lower	Upper
330	100		
332	100.9	76.6	114.8
141	46.6	37.8	56.8





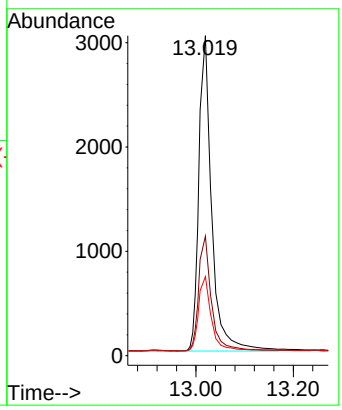
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.019 min Scan# 1

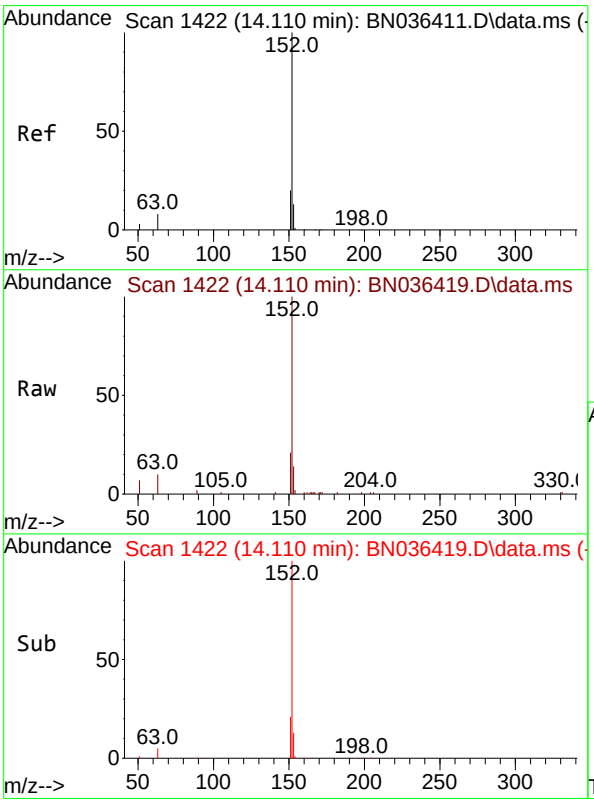
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:172 Resp: 5289

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	24.7	19.8	29.6

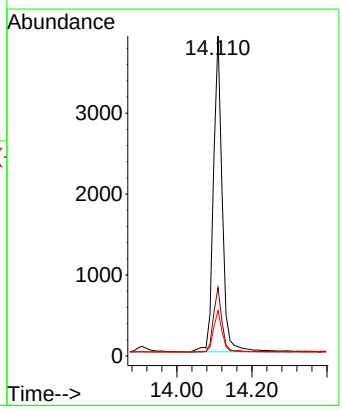


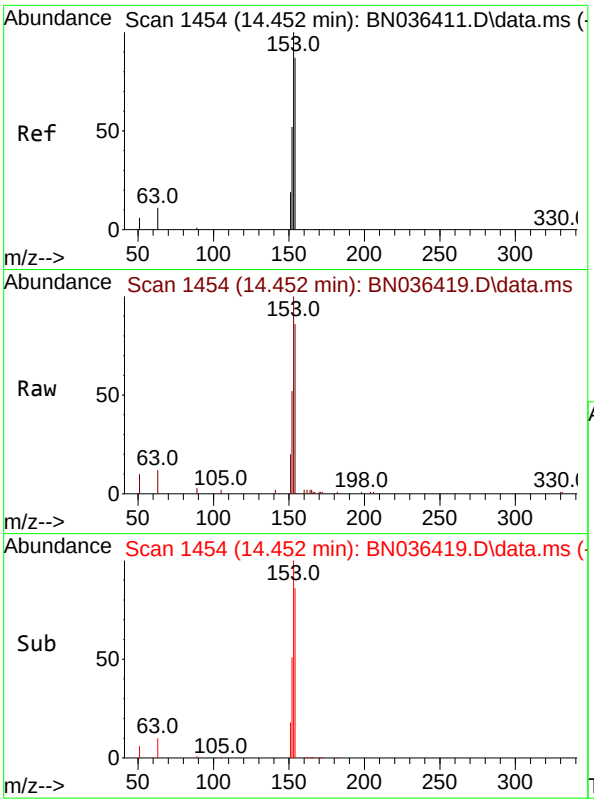


#16
Acenaphthylene
Concen: 0.383 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:152 Resp: 6348

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.1	10.2	15.2



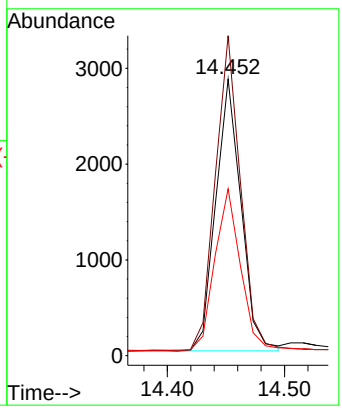


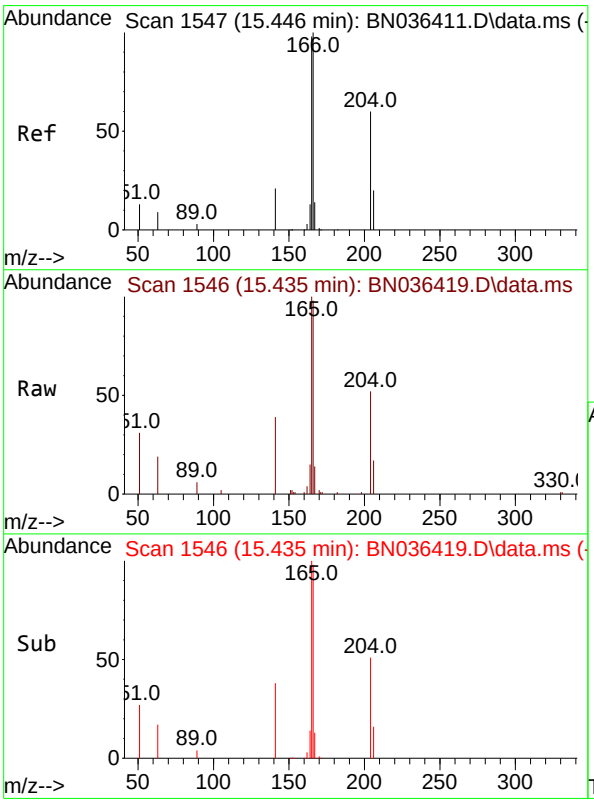
#17
Acenaphthene
Concen: 0.385 ng
RT: 14.452 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4257

Ion	Ratio	Lower	Upper
154	100		
153	117.1	93.3	139.9
152	61.1	48.8	73.2

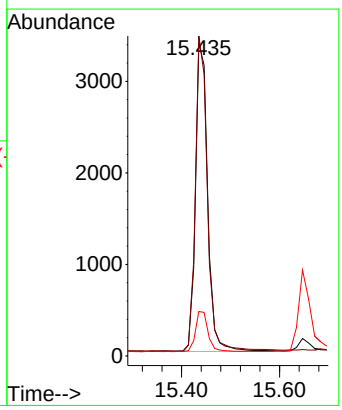


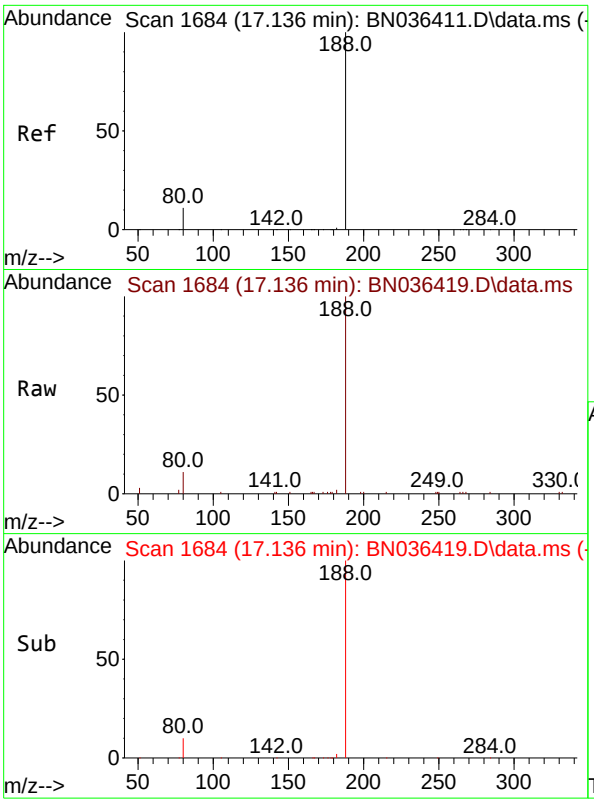


#18
Fluorene
Concen: 0.393 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:166 Resp: 6184

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.5	119.3
167	12.7	10.4	15.6



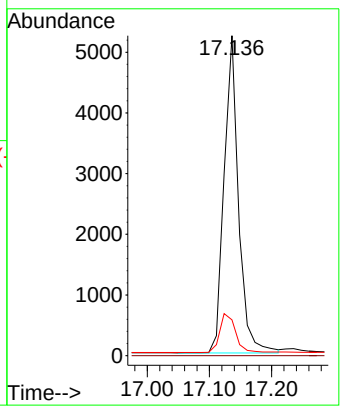


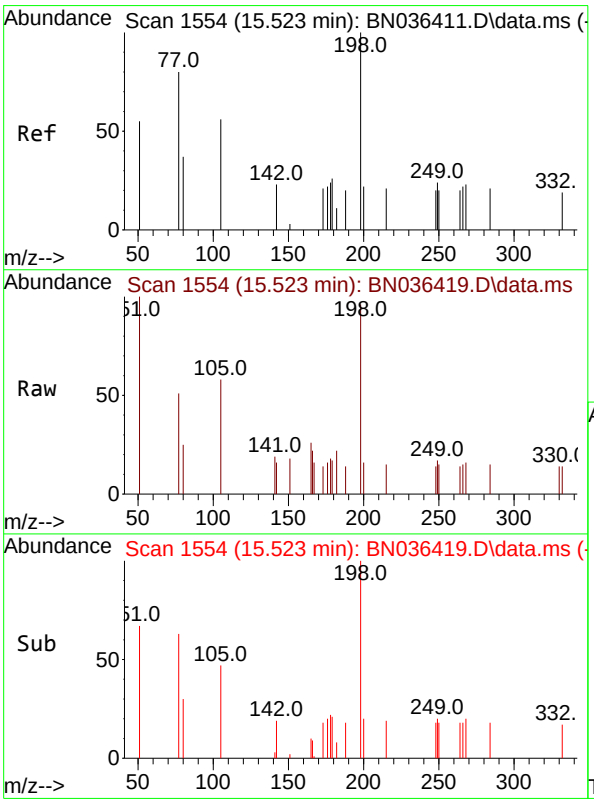
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 8399

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	9.8	14.6

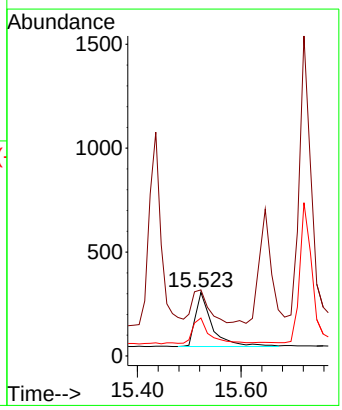


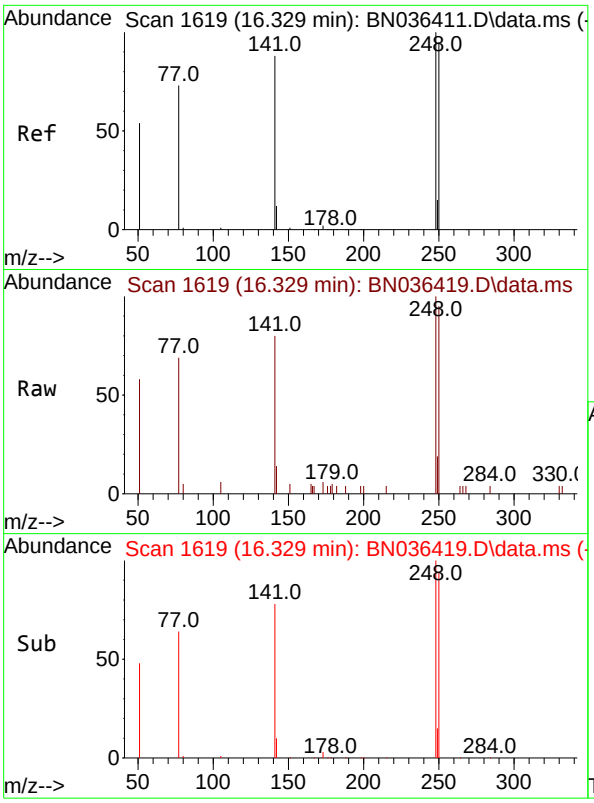


#20
4,6-Dinitro-2-methylphenol
Concen: 0.345 ng
RT: 15.523 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:198 Resp: 569

Ion	Ratio	Lower	Upper
198	100		
51	103.9	86.6	129.8
105	59.8	57.5	86.3



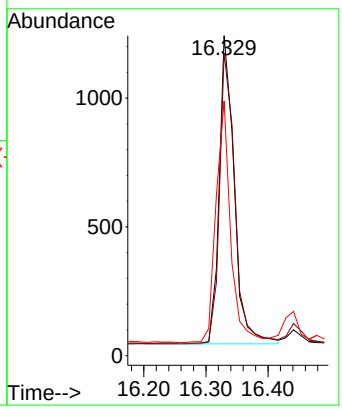


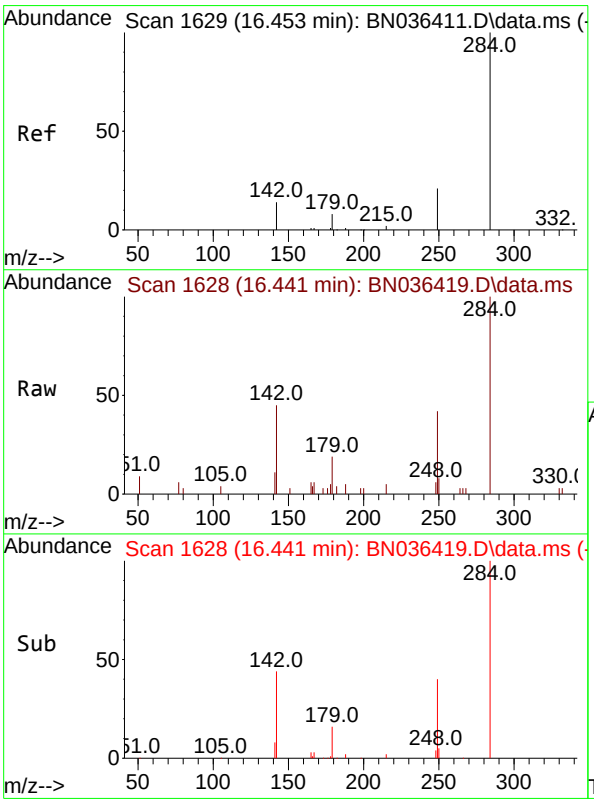
#21
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1994

Ion	Ratio	Lower	Upper
248	100		
250	94.6	76.1	114.1
141	79.6	71.7	107.5

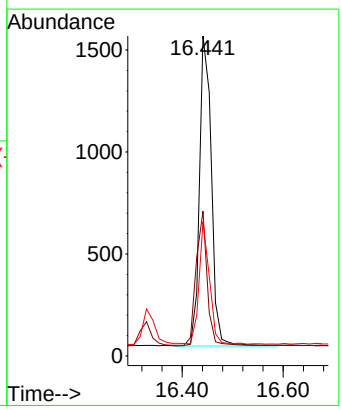


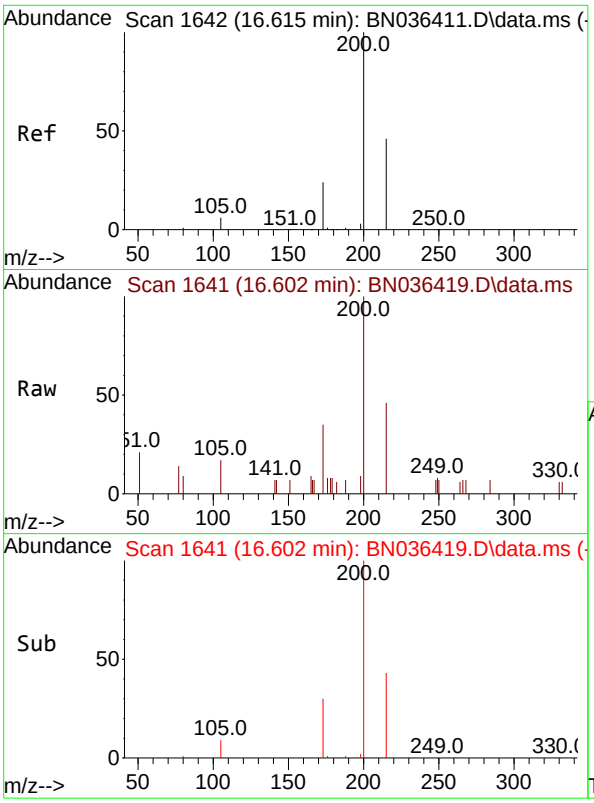


#22
Hexachlorobenzene
Concen: 0.403 ng
RT: 16.441 min Scan# 1628
Delta R.T. -0.012 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:284 Resp: 2491

Ion	Ratio	Lower	Upper
284	100		
142	40.0	33.4	50.0
249	34.7	28.6	43.0



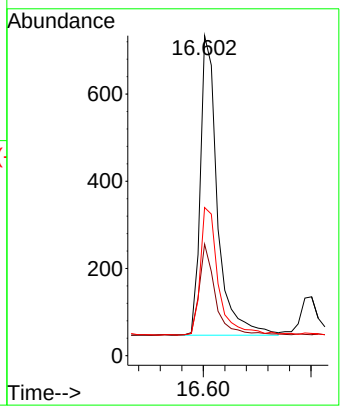


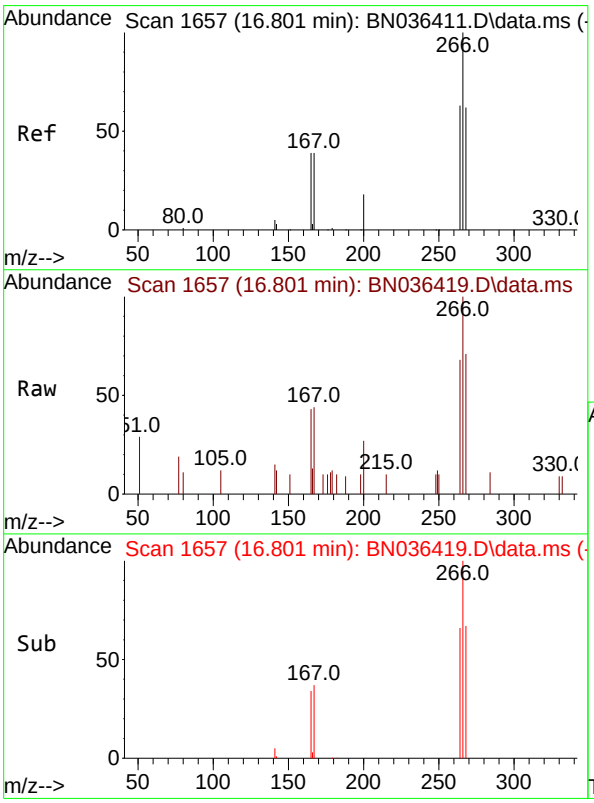
#23
Atrazine
Concen: 0.363 ng
RT: 16.602 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1518

Ion	Ratio	Lower	Upper
200	100		
173	34.9	23.2	34.8#
215	46.3	40.0	60.0

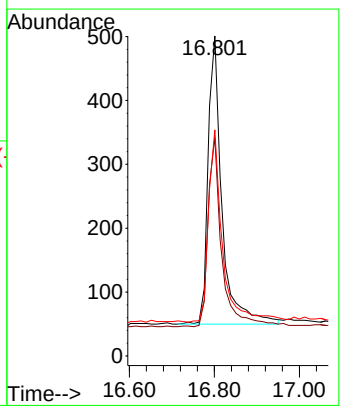


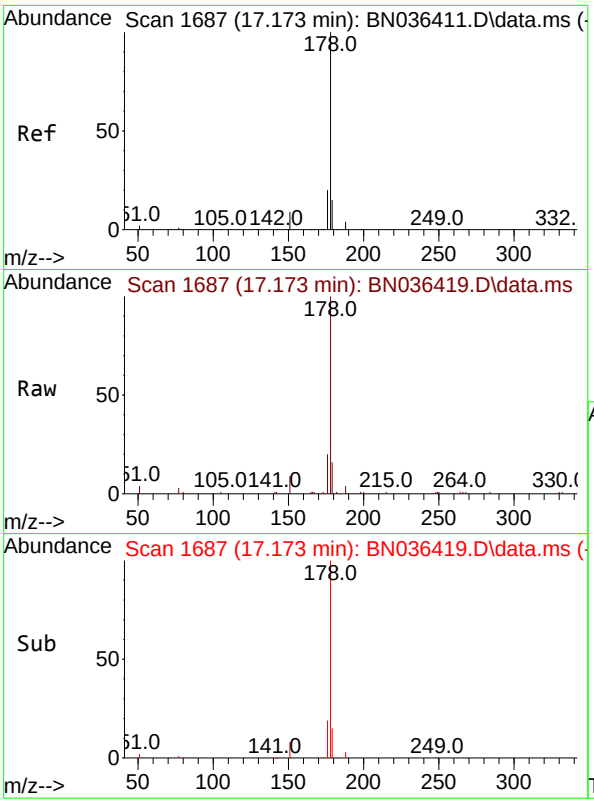


#24
Pentachlorophenol
Concen: 0.347 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:266 Resp: 1020

Ion	Ratio	Lower	Upper
266	100		
264	64.6	50.6	76.0
268	67.6	51.9	77.9



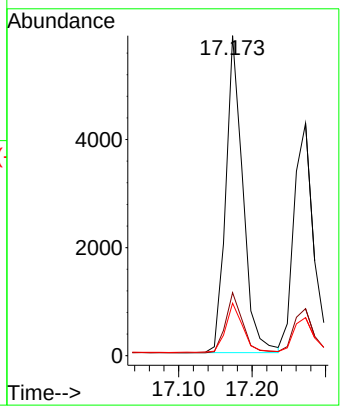


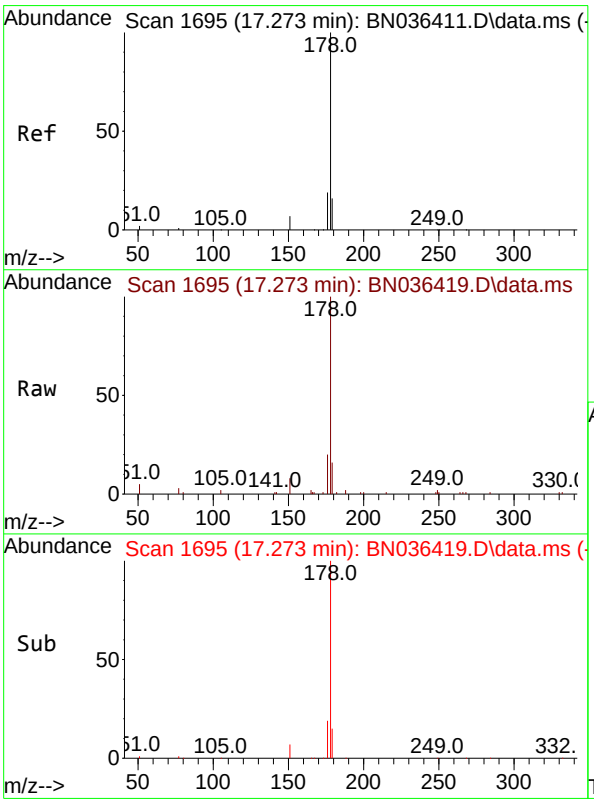
#25
Phenanthrene
Concen: 0.390 ng
RT: 17.173 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 9457

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.8	12.4	18.6

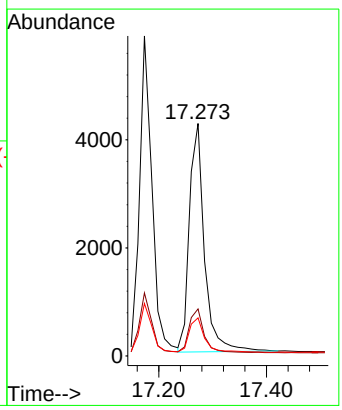


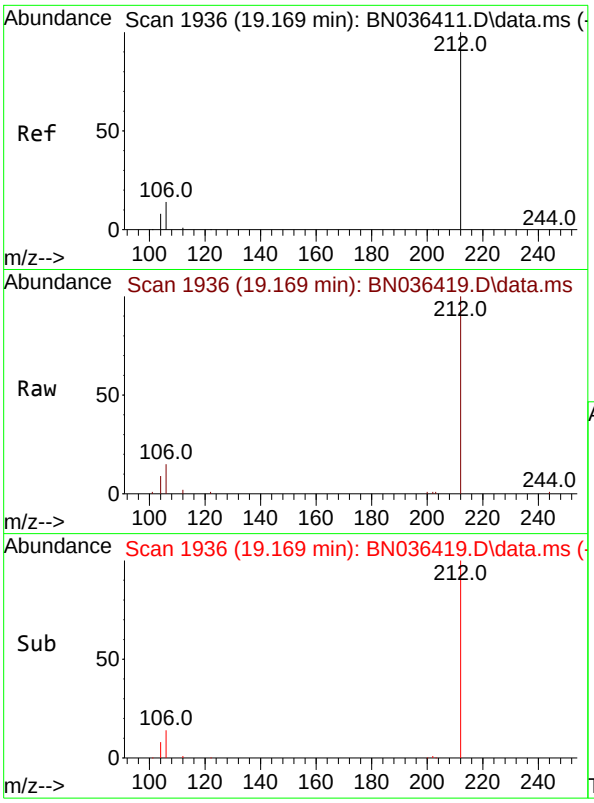


#26
Anthracene
Concen: 0.385 ng
RT: 17.273 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:178 Resp: 8241

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.5	12.4	18.6



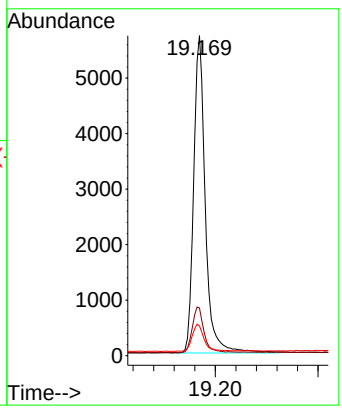


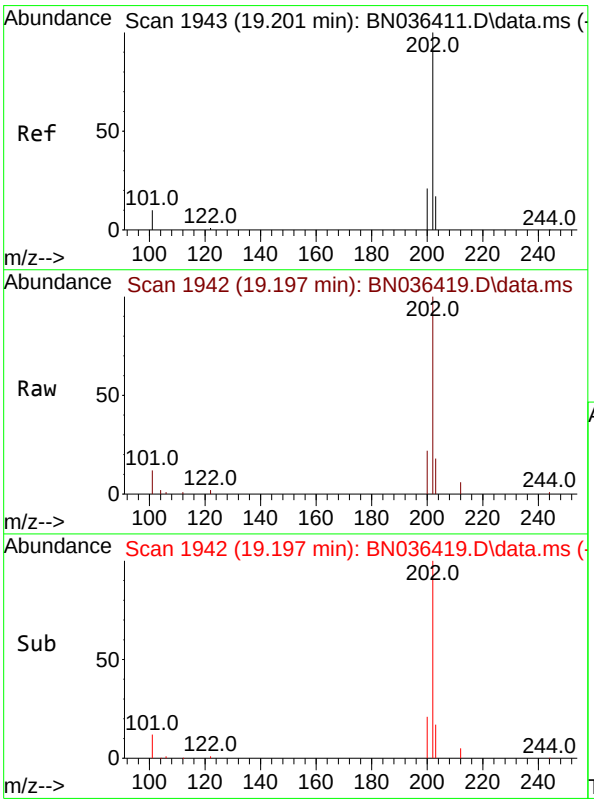
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 9036

Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.5	17.3
104	8.8	7.1	10.7

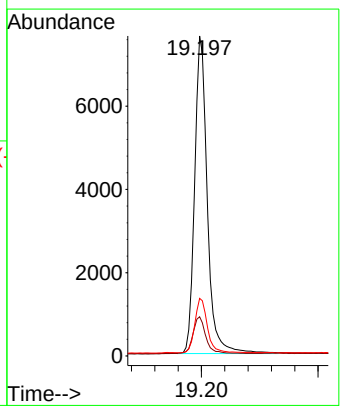


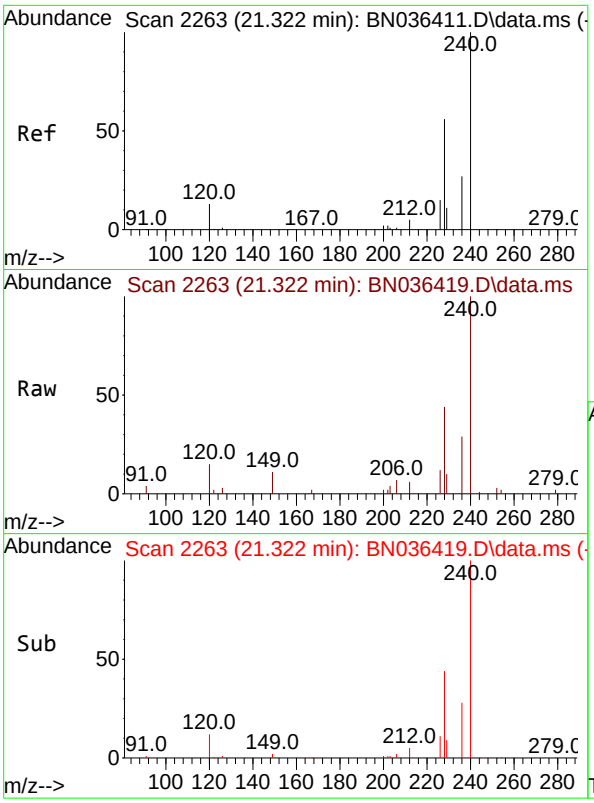


#28
Fluoranthene
Concen: 0.385 ng
RT: 19.197 min Scan# 1942
Delta R.T. -0.005 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:202 Resp: 11494

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.2	13.8
203	17.0	13.4	20.0



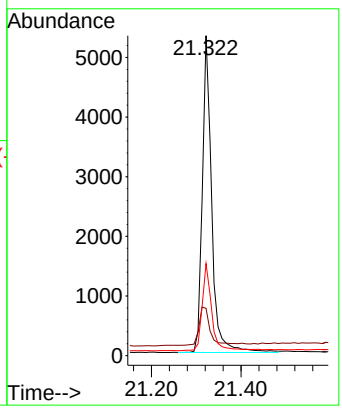


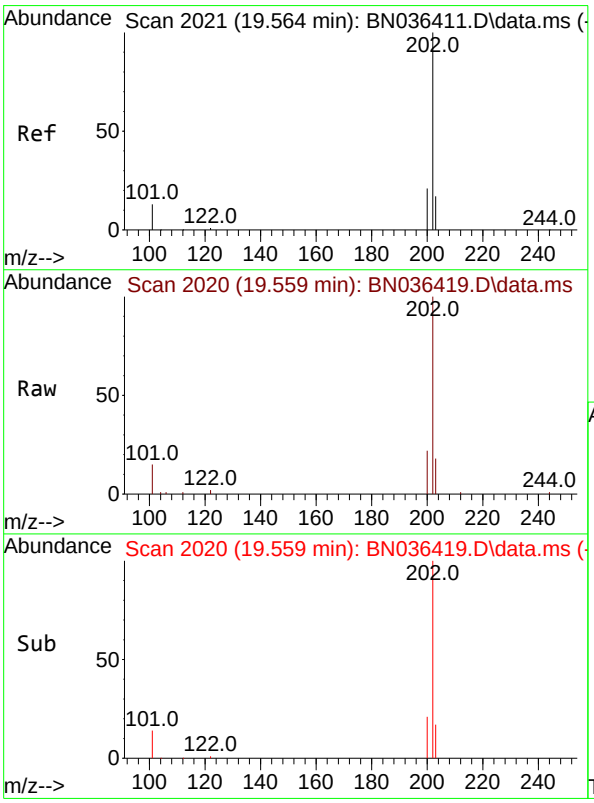
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 7728

Ion	Ratio	Lower	Upper
240	100		
120	14.8	13.3	19.9
236	28.8	23.0	34.6

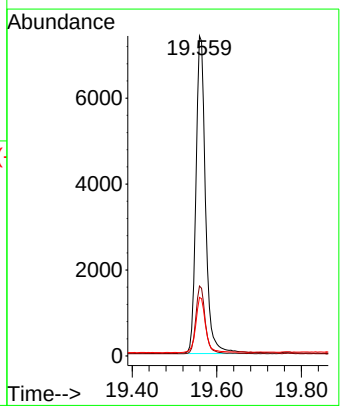


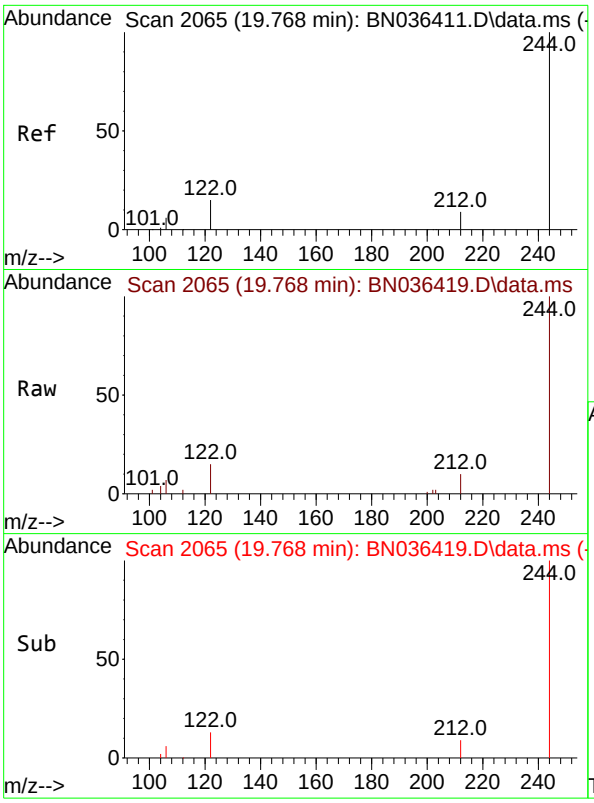


#30
Pyrene
Concen: 0.391 ng
RT: 19.559 min Scan# 2020
Delta R.T. -0.005 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:202 Resp: 11643

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.8	13.9	20.9



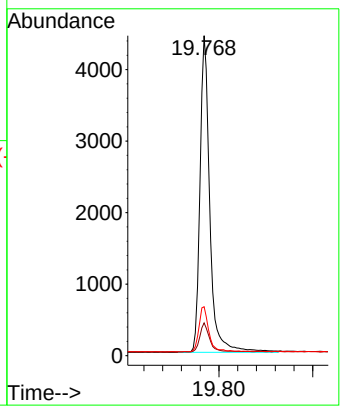


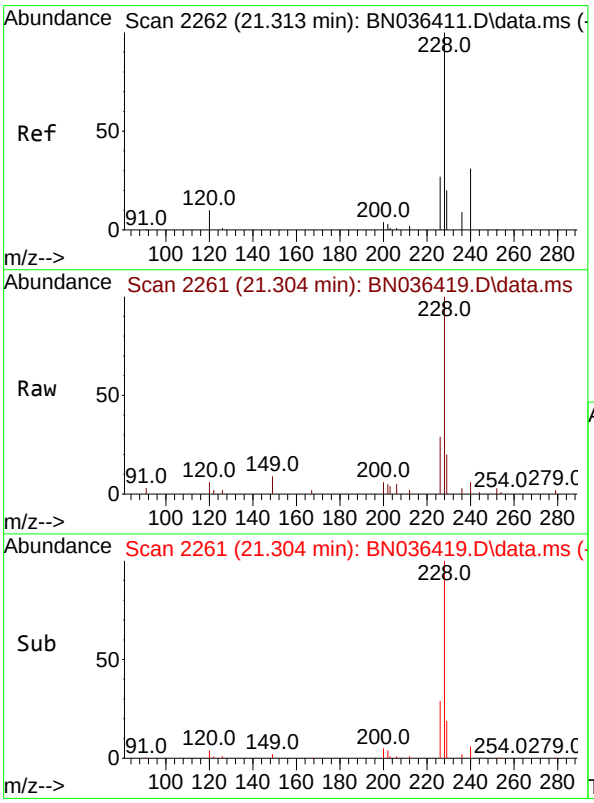
#31
Terphenyl-d14
Concen: 0.391 ng
RT: 19.768 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6442

Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.1	12.1
122	15.3	12.8	19.2

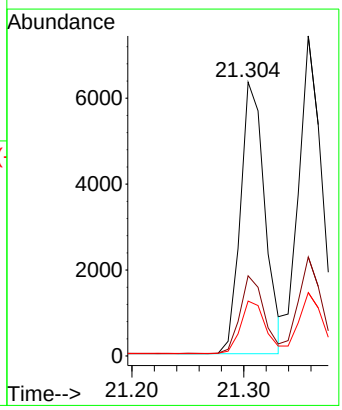


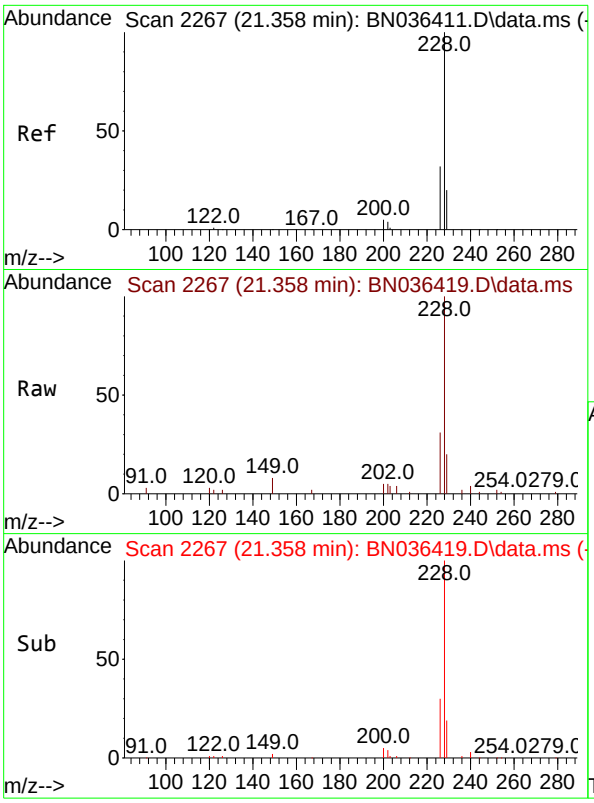


#32
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.304 min Scan# 2261
Delta R.T. -0.009 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:228 Resp: 9625

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.2
229	20.0	16.5	24.7



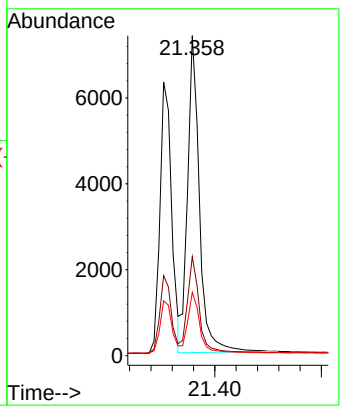


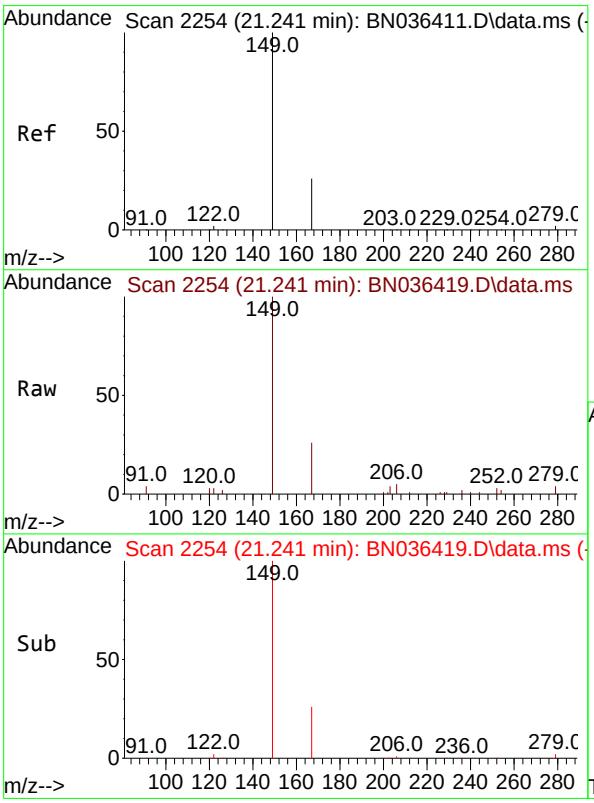
#33
Chrysene
Concen: 0.414 ng
RT: 21.358 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11407

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	19.8	16.4	24.6

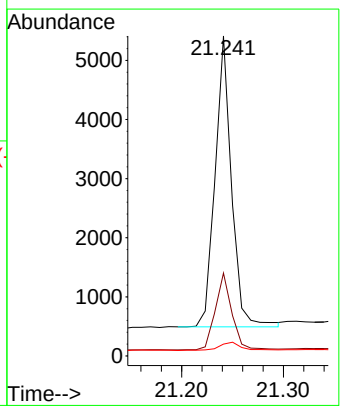


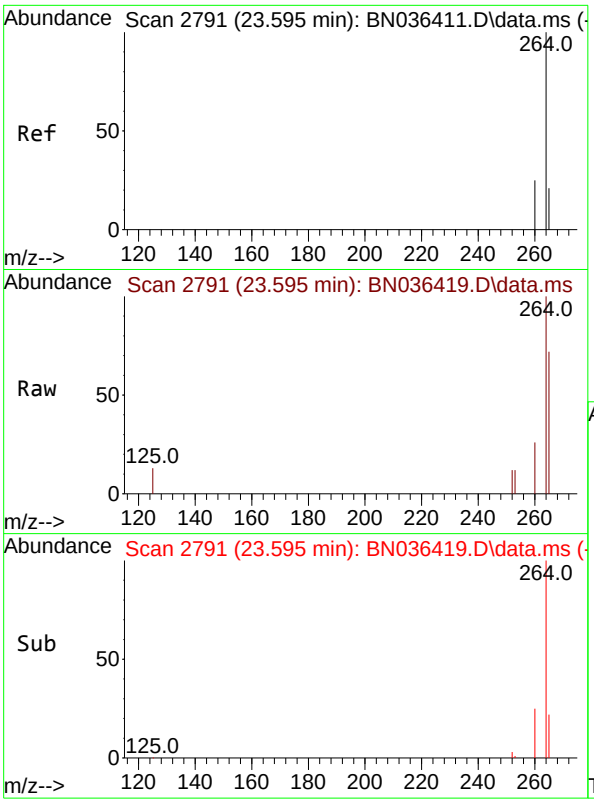


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.241 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:149 Resp: 5511

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.2	31.8
279	3.9	2.7	4.1



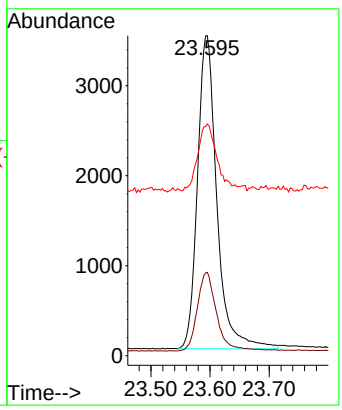


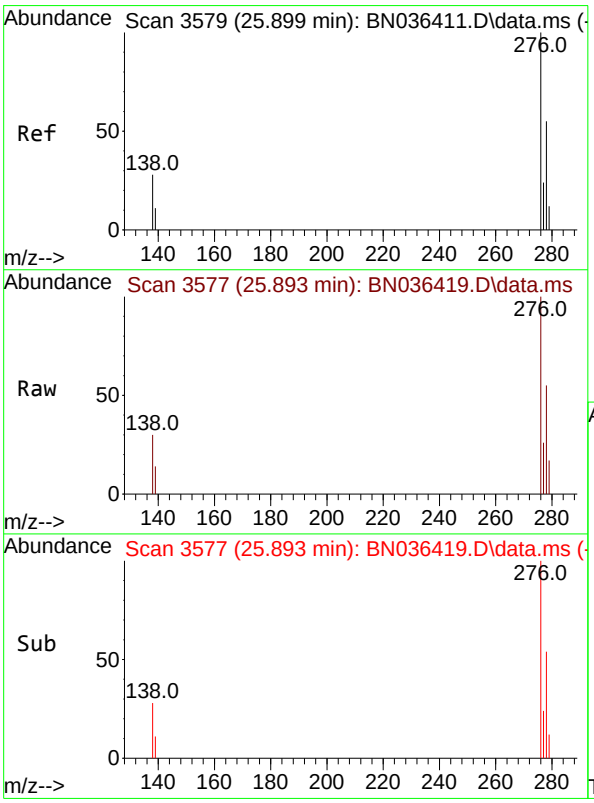
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.595 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 7910

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.9	31.3
265	72.4	60.7	91.1

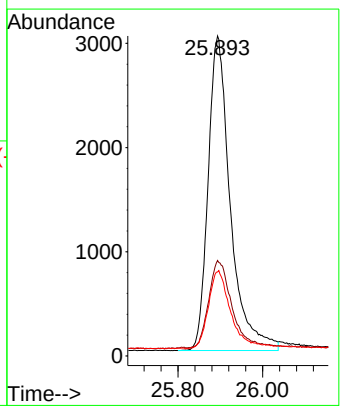


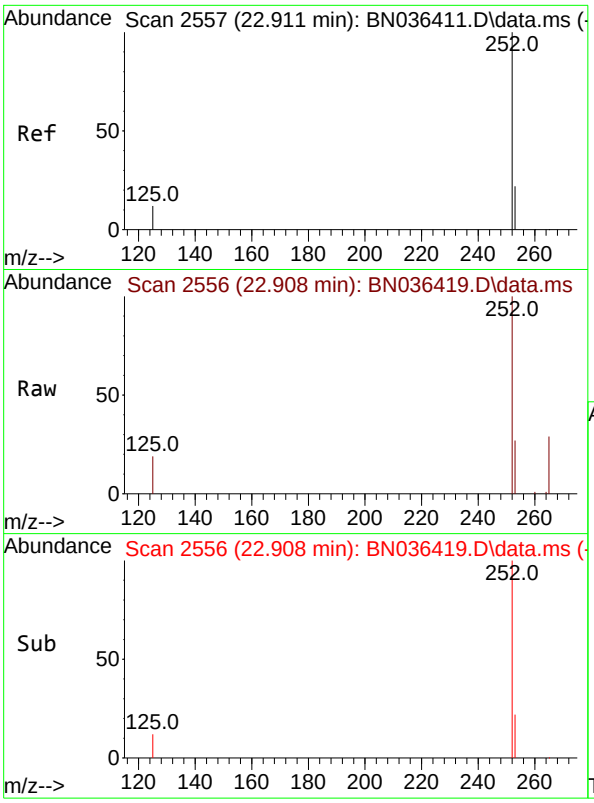


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.893 min Scan# 3577
Delta R.T. -0.006 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:276 Resp: 11010

Ion	Ratio	Lower	Upper
276	100		
138	28.7	22.2	33.2
277	24.6	19.8	29.6



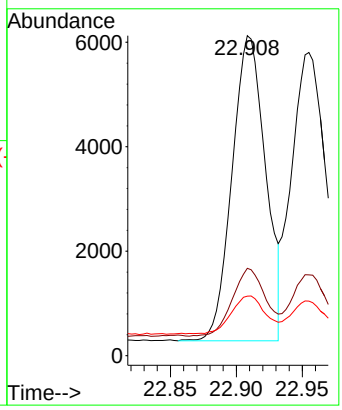


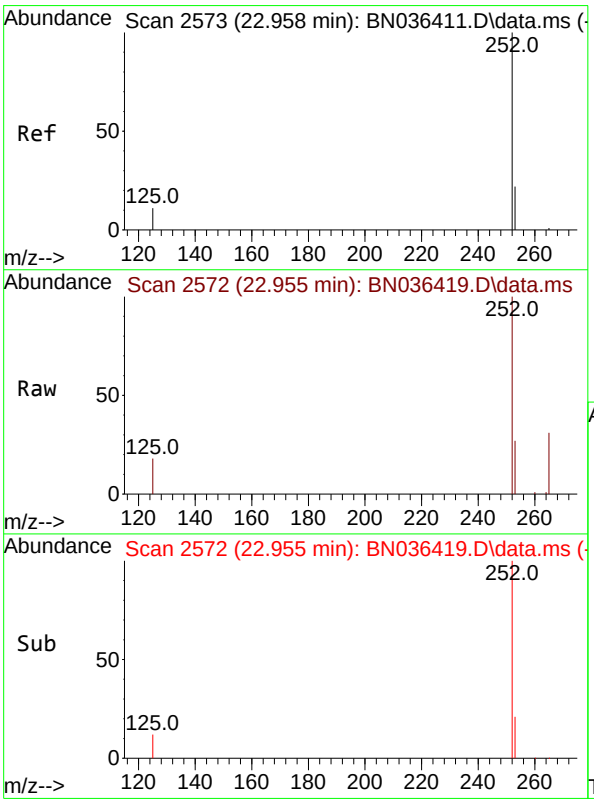
#37
Benzo(b)fluoranthene
Concen: 0.396 ng
RT: 22.908 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10324

Ion	Ratio	Lower	Upper
252	100		
253	27.3	21.9	32.9
125	18.6	15.0	22.6

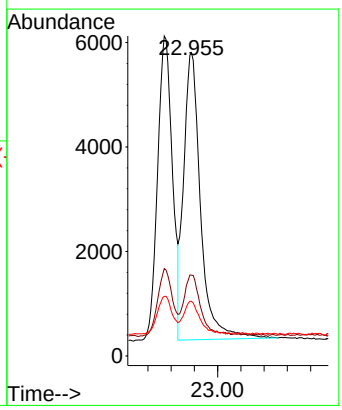


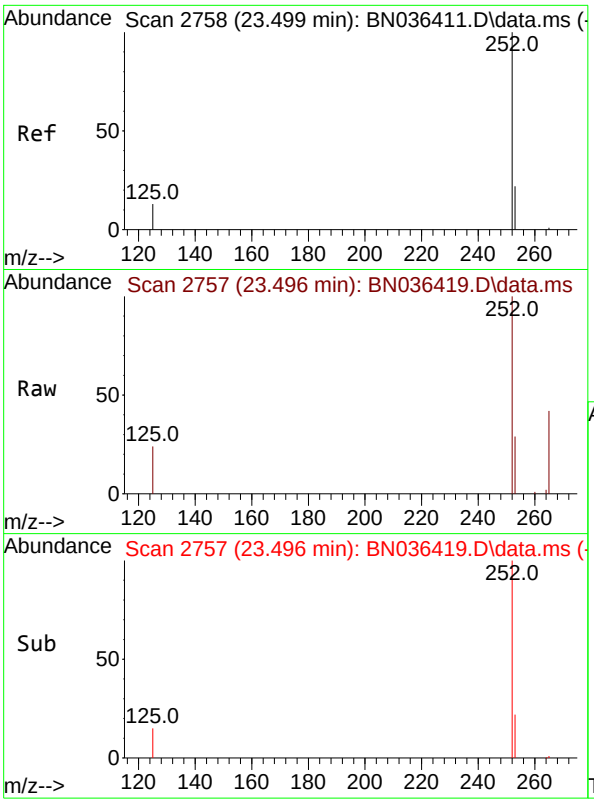


#38
Benzo(k)fluoranthene
Concen: 0.415 ng
RT: 22.955 min Scan# 2572
Delta R.T. -0.003 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:252 Resp: 11121

Ion	Ratio	Lower	Upper
252	100		
253	26.7	22.2	33.4
125	18.0	15.0	22.4



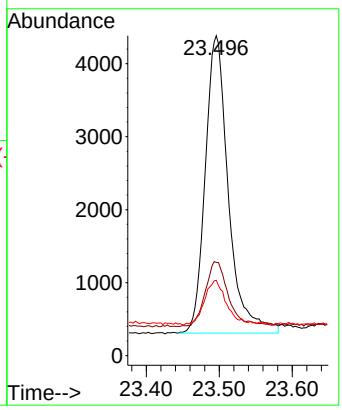


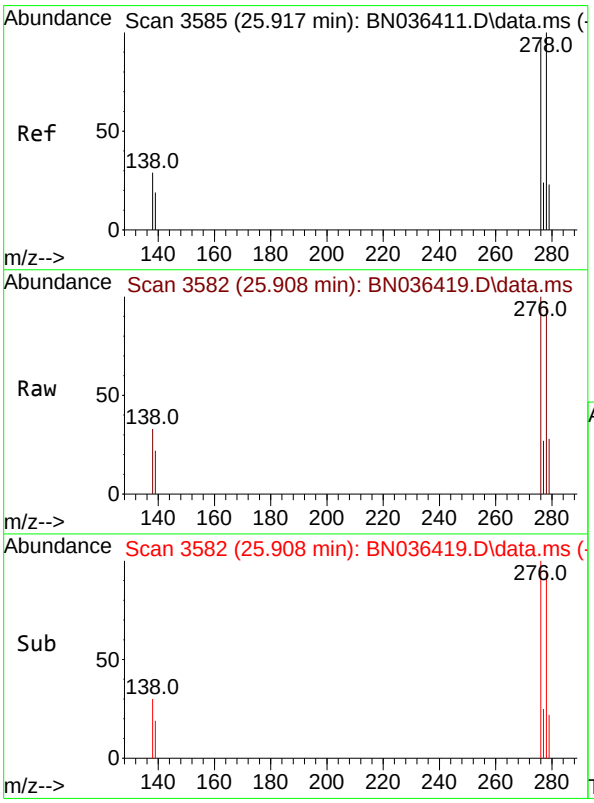
#39
Benzo(a)pyrene
Concen: 0.396 ng
RT: 23.496 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9001

Ion	Ratio	Lower	Upper
252	100		
253	29.2	24.4	36.6
125	23.5	18.2	27.2

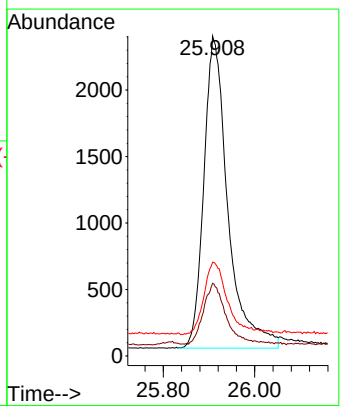


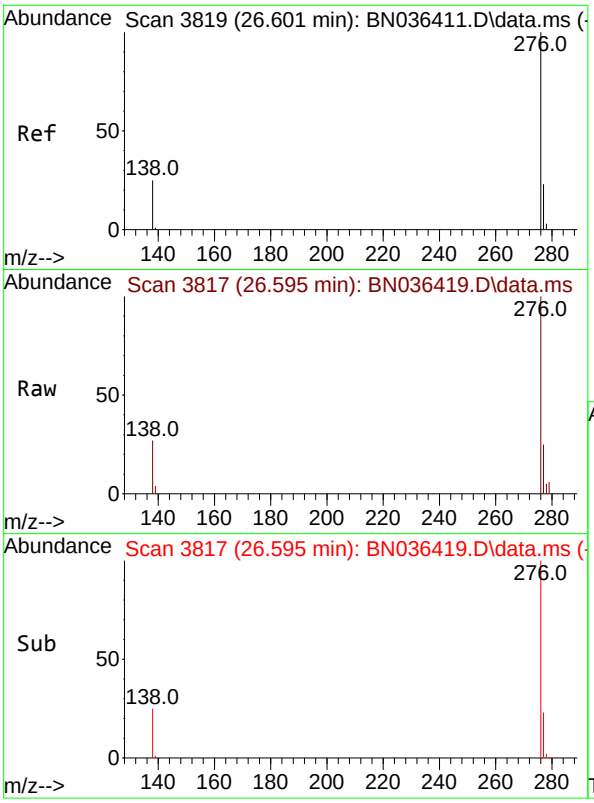


#40
Dibenzo(a,h)anthracene
Concen: 0.392 ng
RT: 25.908 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Tgt Ion:278 Resp: 8554

Ion	Ratio	Lower	Upper
278	100		
139	22.7	18.5	27.7
279	29.3	24.8	37.2





#41
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 26.595 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN036419.D
Acq: 11 Feb 2025 10:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9845

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.7	31.1
138	27.3	21.8	32.6