Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050224\
Data File : BN031372.D
Acq On : 02 May 2024 14:49
Operator : MA/JU
Sample : PB160640BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Quant Time: May 02 16:24:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 02 15:02:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.603	152	4330	0.400	ng		0.00
7) Naphthalene-d8	10.378	136	11566	0.400	ng		0.00
13) Acenaphthene-d10	14.242	164	6654	0.400	ng		0.00
19) Phenanthrene-d10	16.991	188	13381	0.400	ng		#-0.01
29) Chrysene-d12	21.202	240	16014	0.400	ng		# 0.00
35) Perylene-d12	23.408	264	18035	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.205	112	3973	0.412	ng		0.00
5) Phenol-d6	6.779	99	3566	0.305	ng		0.00
8) Nitrobenzene-d5	8.755	82	3481	0.435	ng		0.00
11) 2-Methylnaphthalene-d10	11.975	152	6207	0.349	ng		0.00
14) 2,4,6-Tribromophenol	15.750	330	955	0.370	ng		0.00
15) 2-Fluorobiphenyl	12.863	172	10225	0.457	ng		0.00
27) Fluoranthene-d10	19.040	212	16073	0.446	ng		0.00
31) Terphenyl-d14	19.644	244	9844	0.265	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.154	88	2105	0.395	ng		97
3) n-Nitrosodimethylamine	3.471	42	2155	0.432	ng	#	99
6) bis(2-Chloroethyl)ether	7.039	93	3956	0.342	ng		96
9) Naphthalene	10.421	128	12209	0.383	ng		99
10) Hexachlorobutadiene	10.709	225	1826	0.285	ng	#	100
12) 2-Methylnaphthalene	12.051	142	7528	0.355	ng		99
16) Acenaphthylene	13.964	152	11456	0.391	ng		99
17) Acenaphthene	14.306	154	7338	0.355	ng		98
18) Fluorene	15.300	166	9982	0.364	ng		100
20) 4,6-Dinitro-2-methylph...	15.397	198	642	0.418	ng	#	86
21) 4-Bromophenyl-phenylether	16.197	248	3003	0.378	ng	#	85
22) Hexachlorobenzene	16.296	284	3612	0.389	ng		99
23) Atrazine	16.470	200	2778	0.483	ng		96
24) Pentachlorophenol	16.656	266	1710	0.589	ng		98
25) Phenanthrene	17.041	178	13704	0.347	ng		100
26) Anthracene	17.128	178	13246	0.405	ng		99
28) Fluoranthene	19.068	202	20639	0.436	ng		100
30) Pyrene	19.435	202	14570	0.234	ng		100
32) Benzo(a)anthracene	21.193	228	22344	0.401	ng		98
33) Chrysene	21.238	228	21531	0.355	ng		99
34) Bis(2-ethylhexyl)phtha...	21.121	149	15356	0.601	ng		98
36) Indeno(1,2,3-cd)pyrene	25.618	276	30874	0.368	ng		98
37) Benzo(b)fluoranthene	22.747	252	21541	0.289	ng		99
38) Benzo(k)fluoranthene	22.788	252	23135	0.318	ng		99
39) Benzo(a)pyrene	23.311	252	22236	0.359	ng		99
40) Dibenzo(a,h)anthracene	25.630	278	24478	0.364	ng		99
41) Benzo(g,h,i)perylene	26.291	276	26932	0.364	ng		100

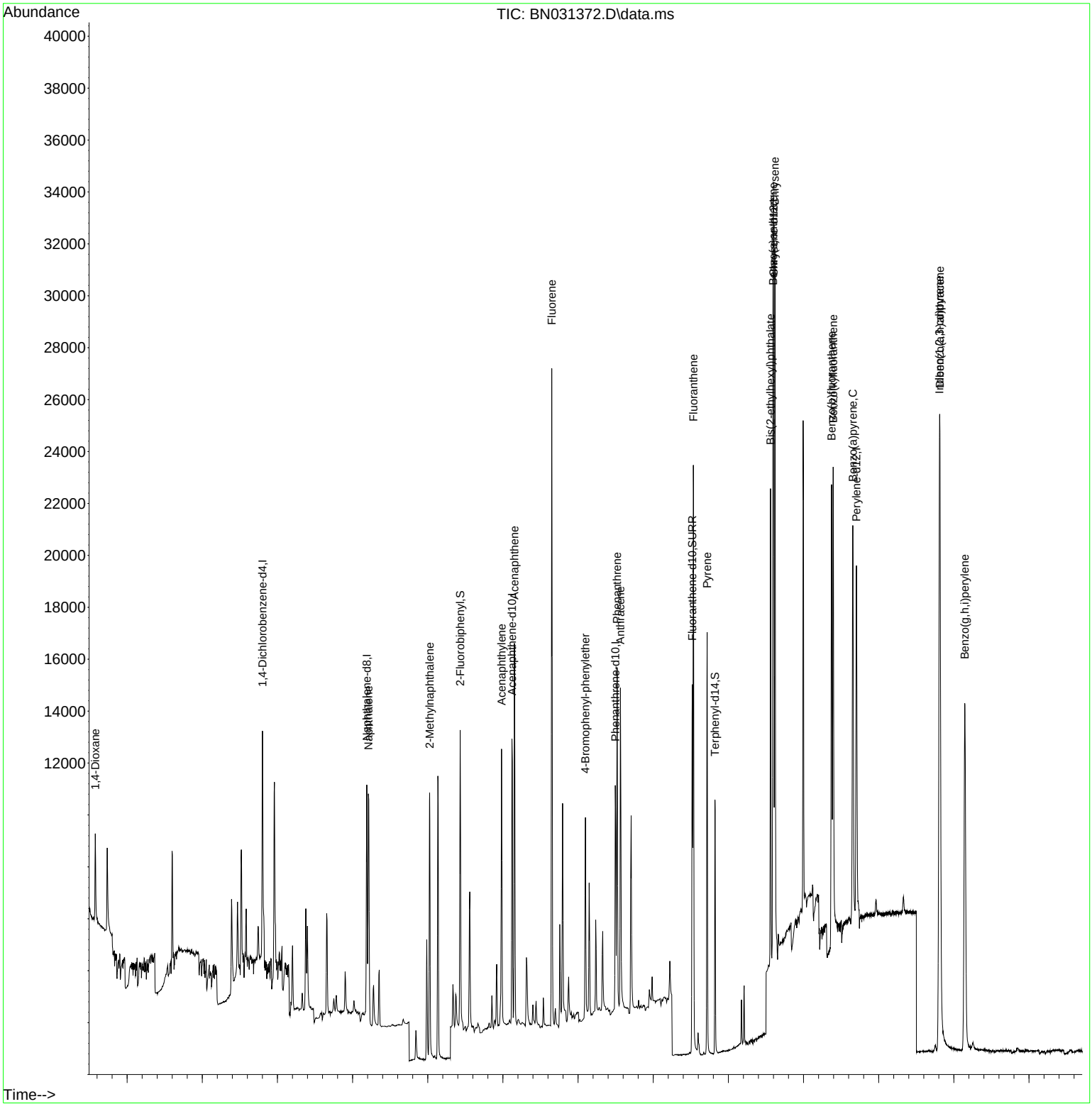
(#) = qualifier out of range (m) = manual integration (+) = signals summed

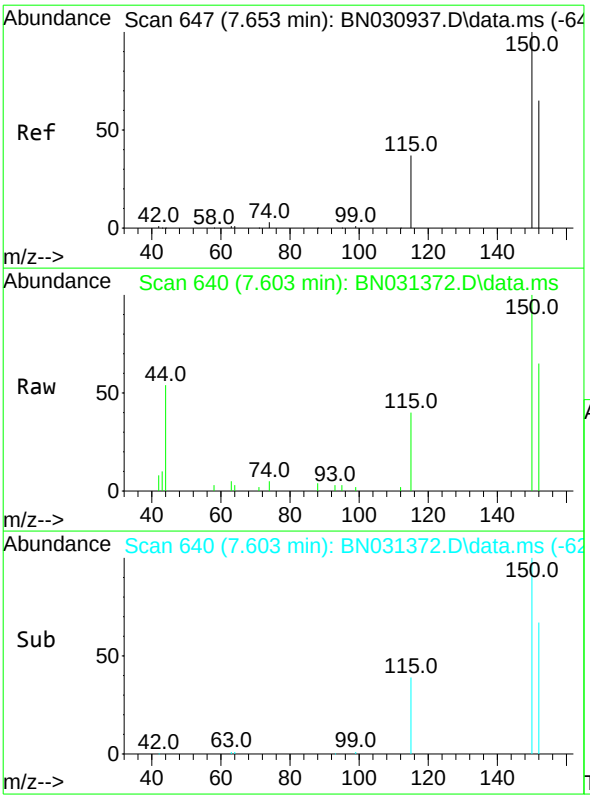
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050224\
Data File : BN031372.D
Acq On : 02 May 2024 14:49
Operator : MA/JU
Sample : PB160640BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Quant Time: May 02 16:24:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 02 15:02:22 2024
Response via : Initial Calibration



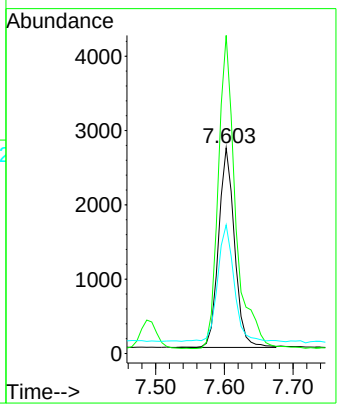


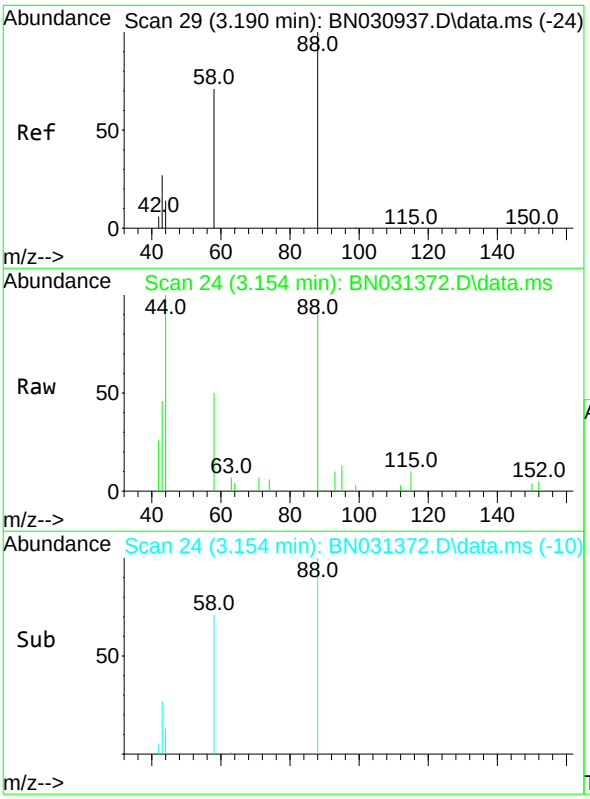
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.603 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:152 Resp: 4330

Ion	Ratio	Lower	Upper
152	100		
150	154.7	121.7	182.5
115	62.6	47.8	71.8

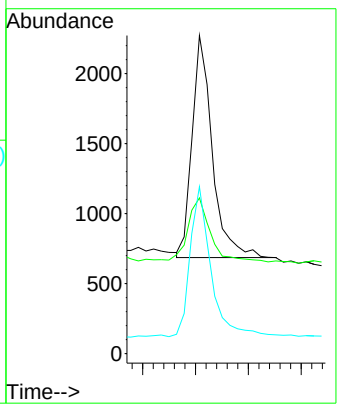


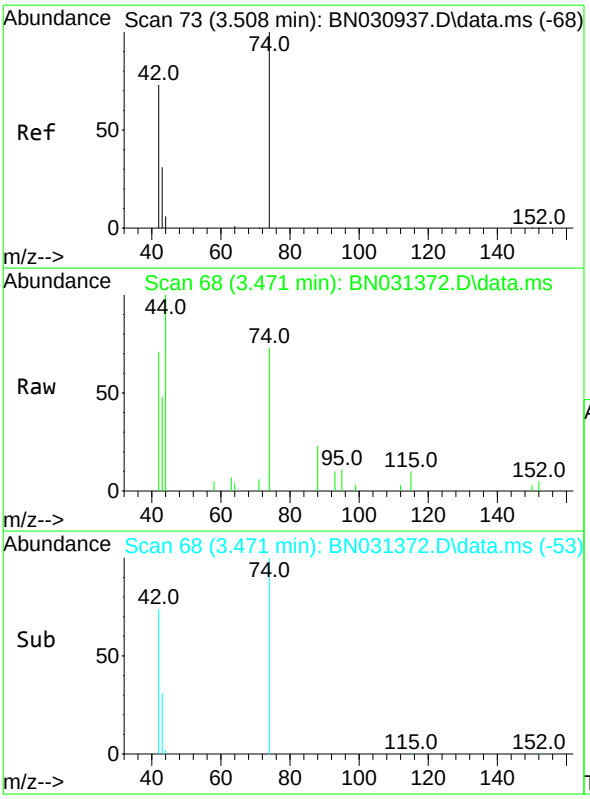


#2
1,4-Dioxane
Concen: 0.395 ng
RT: 3.154 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion: 88 Resp: 2105

Ion	Ratio	Lower	Upper
88	100		
43	32.5	23.7	35.5
58	71.1	55.7	83.5



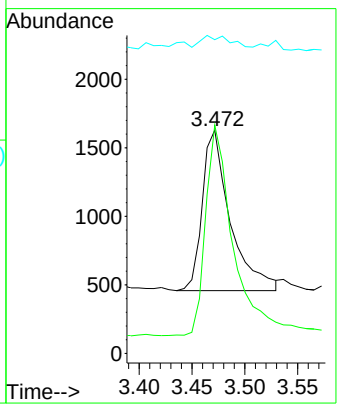


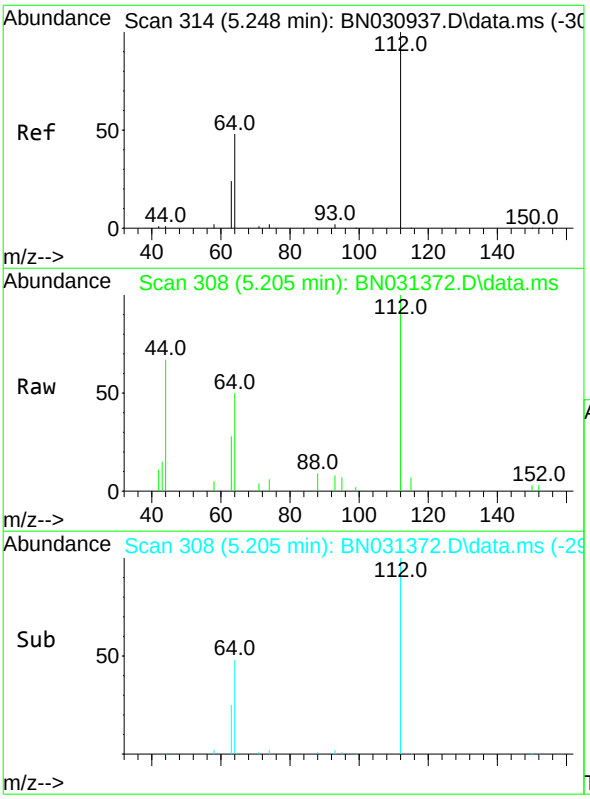
#3
n-Nitrosodimethylamine
Concen: 0.432 ng
RT: 3.471 min Scan# 68
Delta R.T. 0.007 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion: 42 Resp: 2155

Ion	Ratio	Lower	Upper
42	100		
74	128.4	103.1	154.7
44	11.5	7.0	10.6#

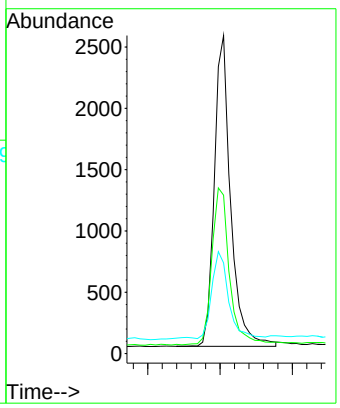


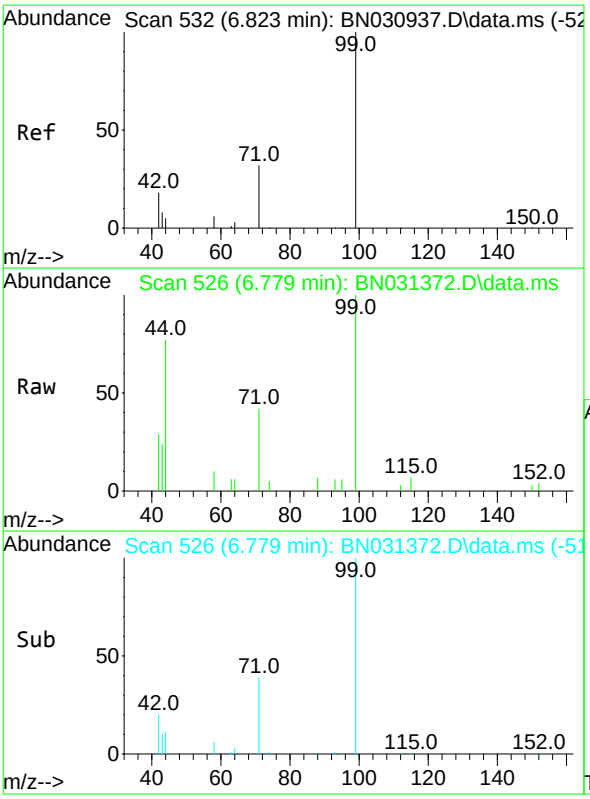


#4
2-Fluorophenol
Concen: 0.412 ng
RT: 5.205 min Scan# 308
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:112 Resp: 3973

Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.4	65.2
63	28.8	22.2	33.2



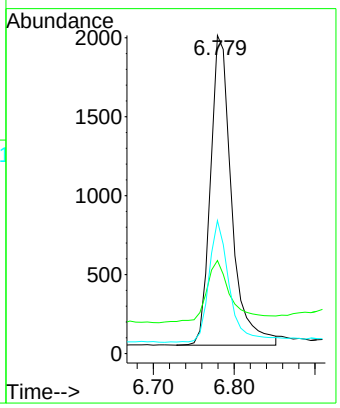


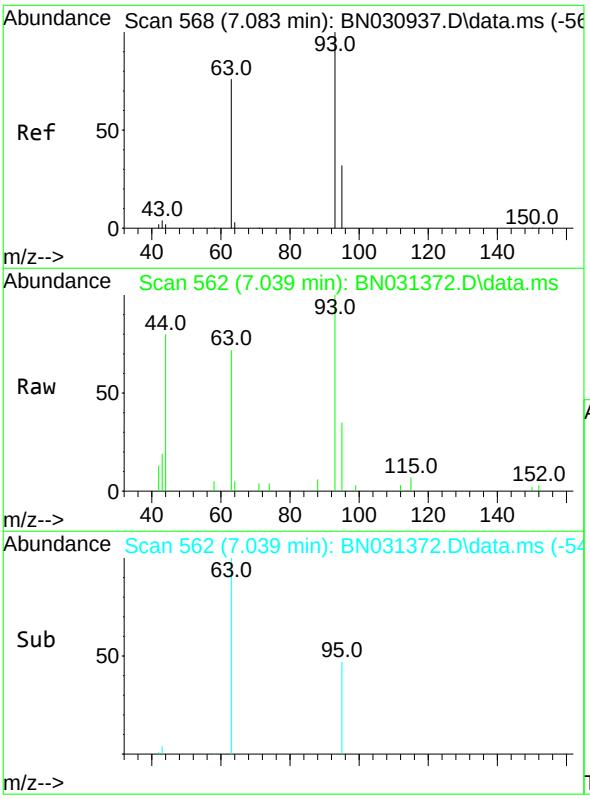
#5
Phenol-d6
Concen: 0.305 ng
RT: 6.779 min Scan# 52
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion: 99 Resp: 3566

Ion	Ratio	Lower	Upper
99	100		
42	24.8	16.4	24.6#
71	37.8	26.3	39.5

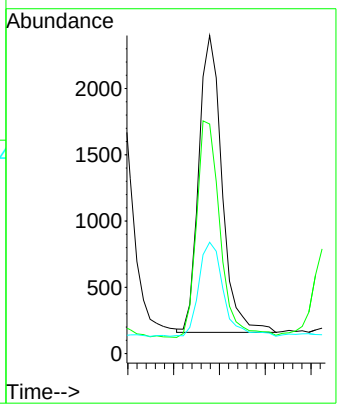


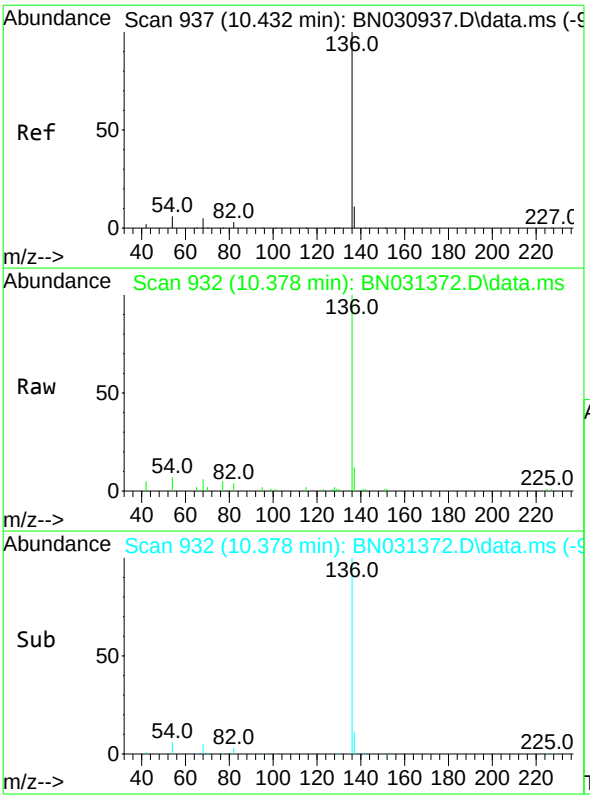


#6
bis(2-Chloroethyl)ether
Concen: 0.342 ng
RT: 7.039 min Scan# 562
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion: 93 Resp: 3956

Ion	Ratio	Lower	Upper
93	100		
63	73.4	61.8	92.8
95	33.3	27.4	41.0



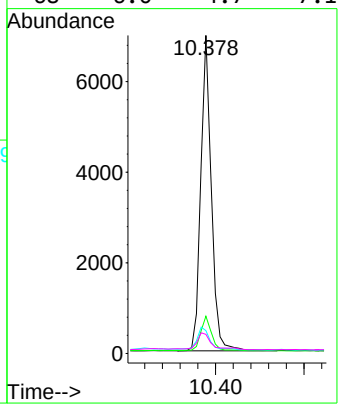


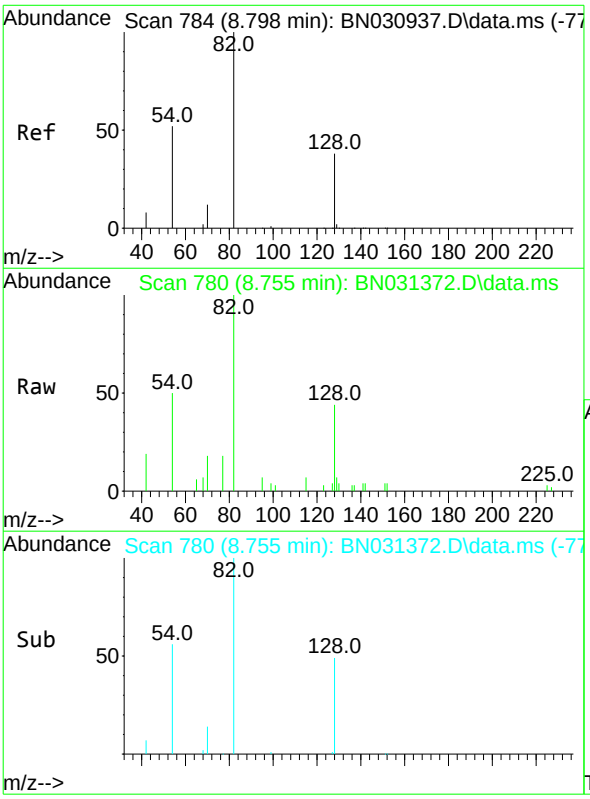
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.378 min Scan# 93
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:136 Resp: 11566

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	7.2	5.3	7.9
68	6.0	4.7	7.1

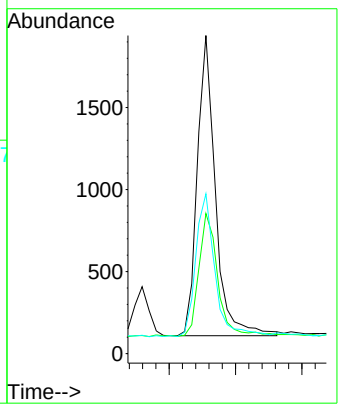


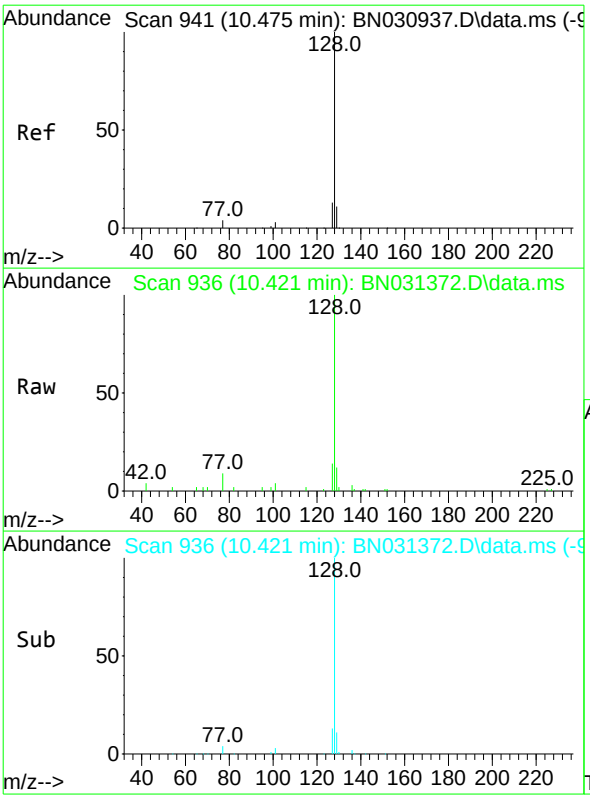


#8
Nitrobenzene-d5
Concen: 0.435 ng
RT: 8.755 min Scan# 780
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion: 82 Resp: 3481

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.7	50.5
54	50.2	43.7	65.5



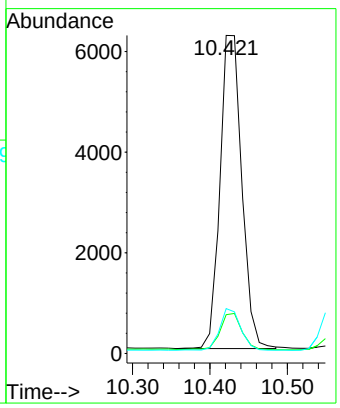


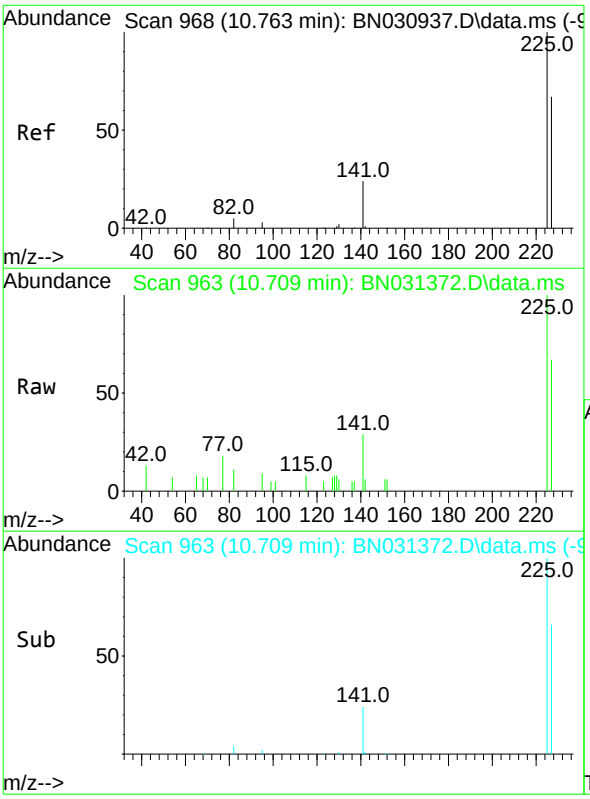
#9
Naphthalene
Concen: 0.383 ng
RT: 10.421 min Scan# 93
Delta R.T. -0.011 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:128 Resp: 12209

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.4	14.0
127	14.1	10.9	16.3

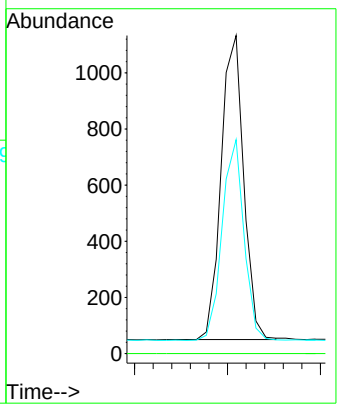


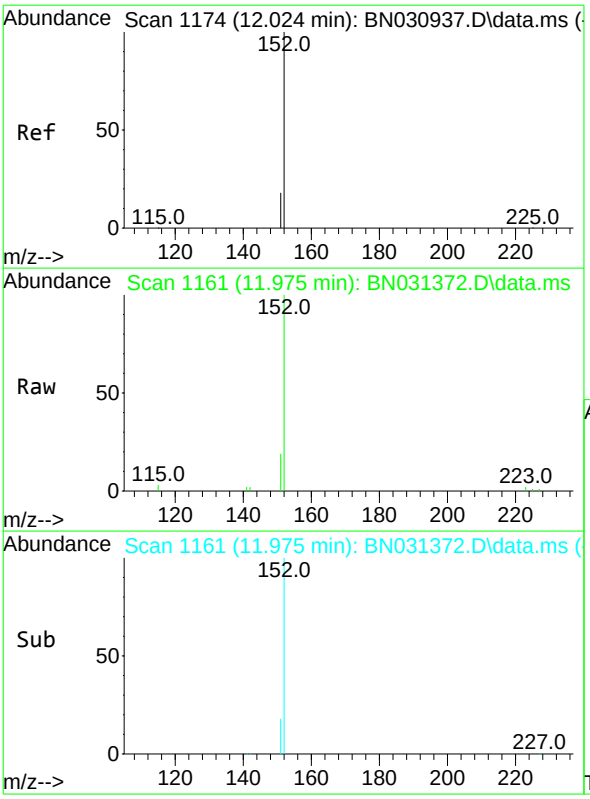


#10
Hexachlorobutadiene
Concen: 0.285 ng
RT: 10.709 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:225 Resp: 1826

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.3	76.9



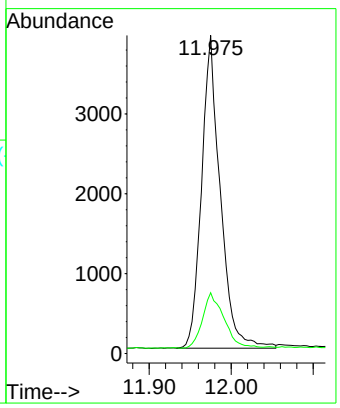


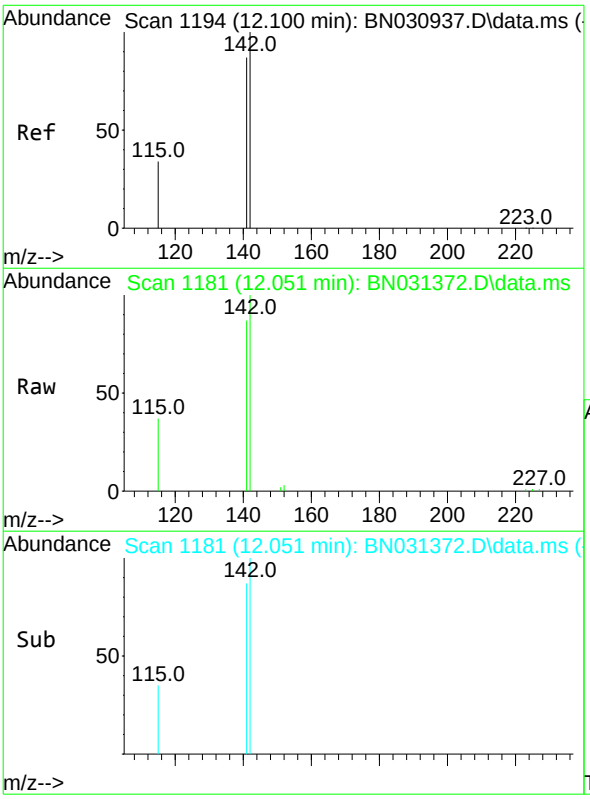
#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 11.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:152 Resp: 6207

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.7	25.1

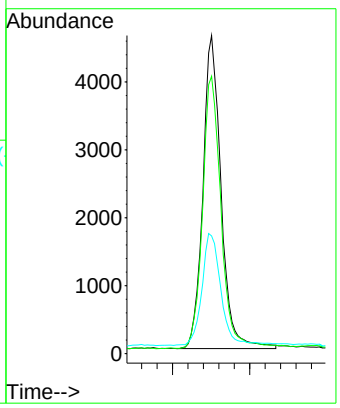


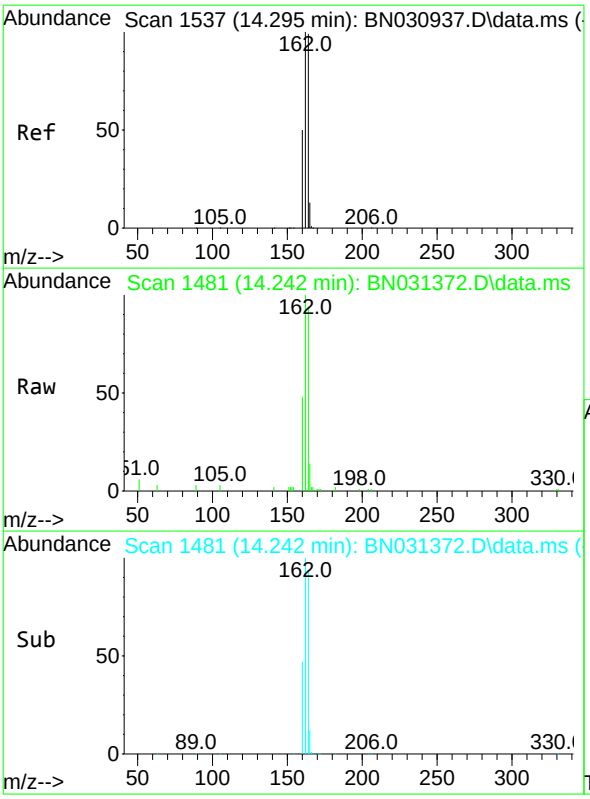


#12
2-Methylnaphthalene
Concen: 0.355 ng
RT: 12.051 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:142 Resp: 7528

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.8	104.8
115	37.0	28.3	42.5



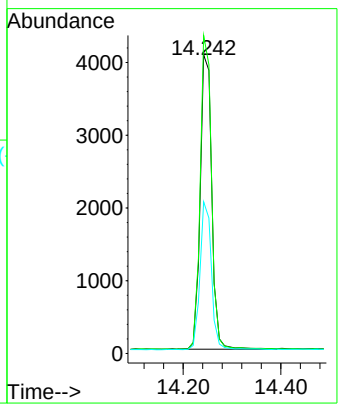


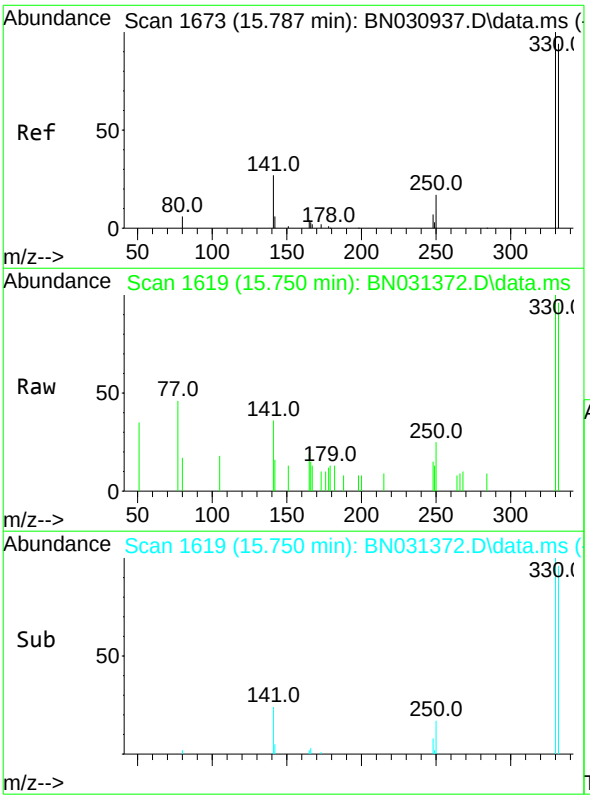
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.242 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:164 Resp: 6654

Ion	Ratio	Lower	Upper
164	100		
162	106.5	80.6	121.0
160	50.8	40.7	61.1

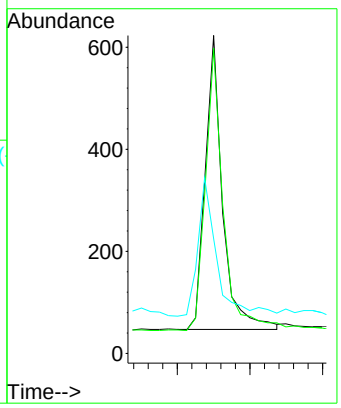


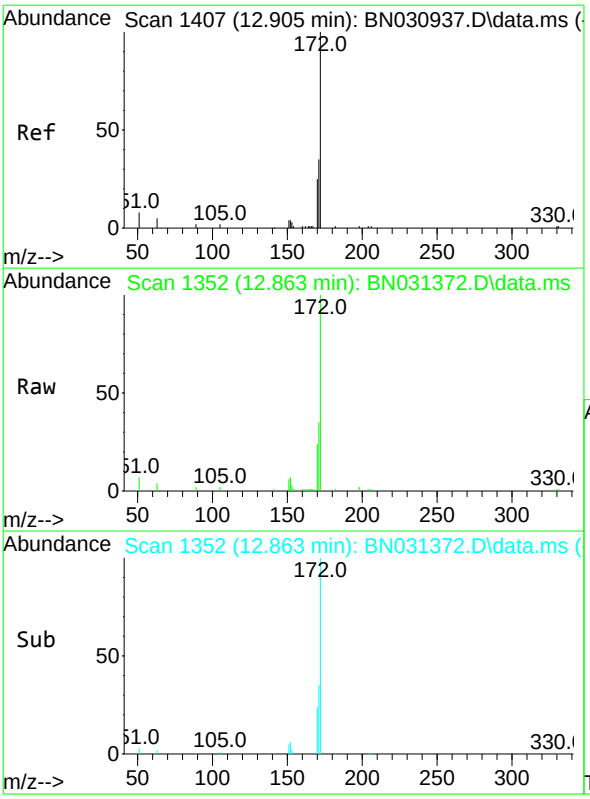


#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 15.750 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:330 Resp: 955

Ion	Ratio	Lower	Upper
330	100		
332	99.1	74.2	111.2
141	51.0	37.2	55.8



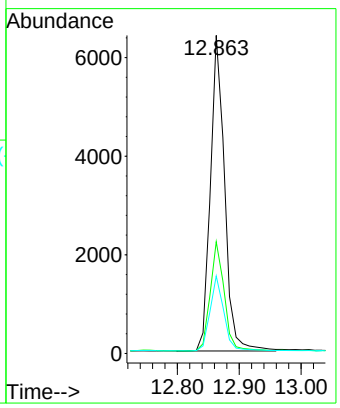


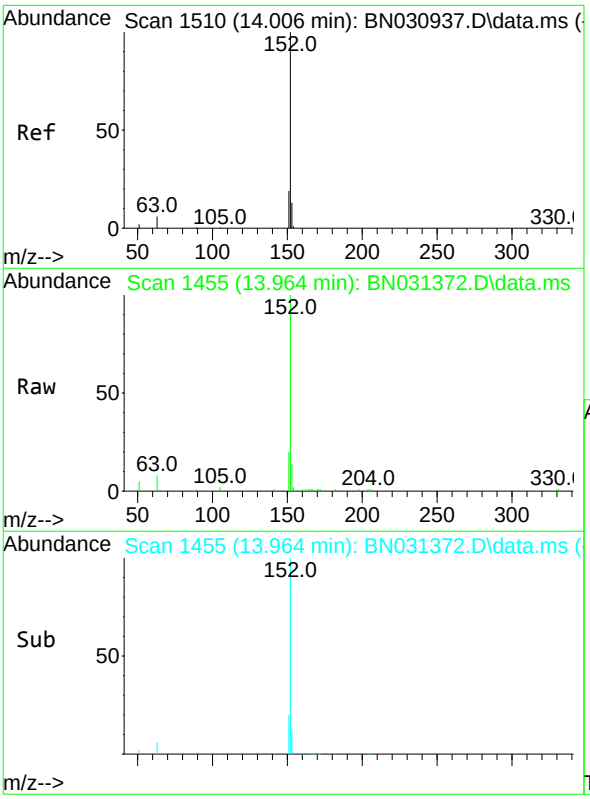
#15
2-Fluorobiphenyl
Concen: 0.457 ng
RT: 12.863 min Scan# 13
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:172 Resp: 10225

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	24.4	19.8	29.8

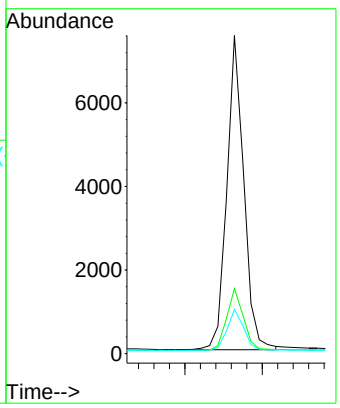


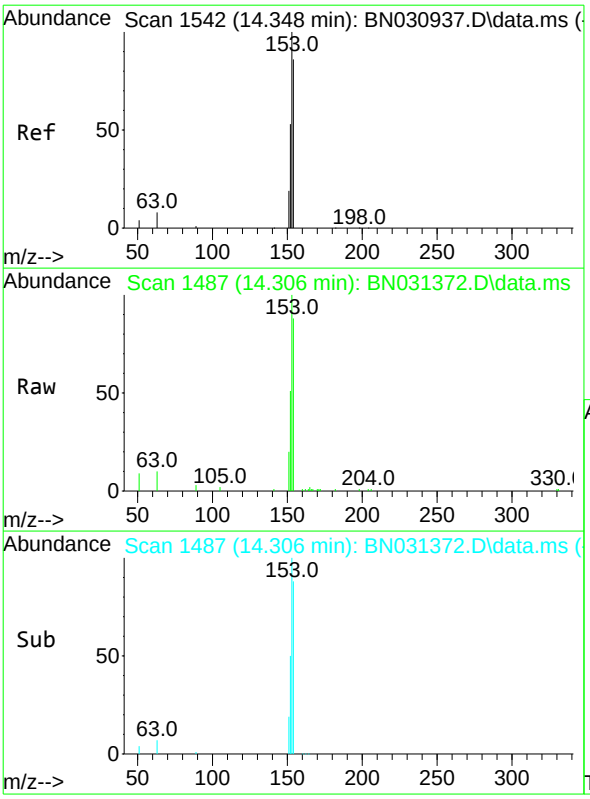


#16
Acenaphthylene
Concen: 0.391 ng
RT: 13.964 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:152 Resp: 11456

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.3	22.9
153	13.1	10.4	15.6



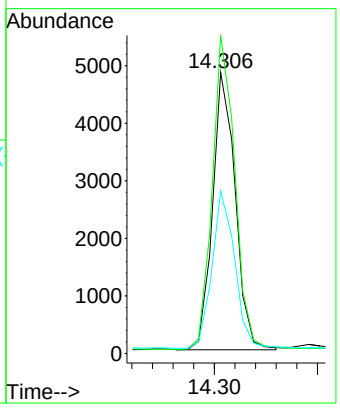


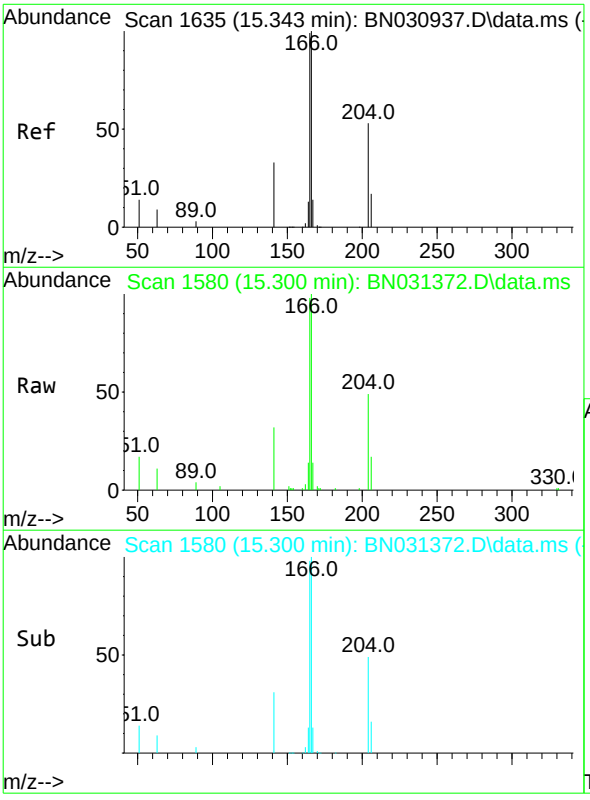
#17
Acenaphthene
Concen: 0.355 ng
RT: 14.306 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:154 Resp: 7338

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.1	136.7
152	56.8	47.6	71.4

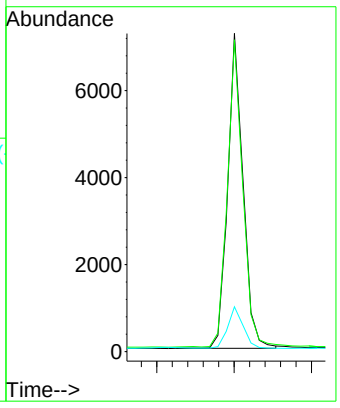


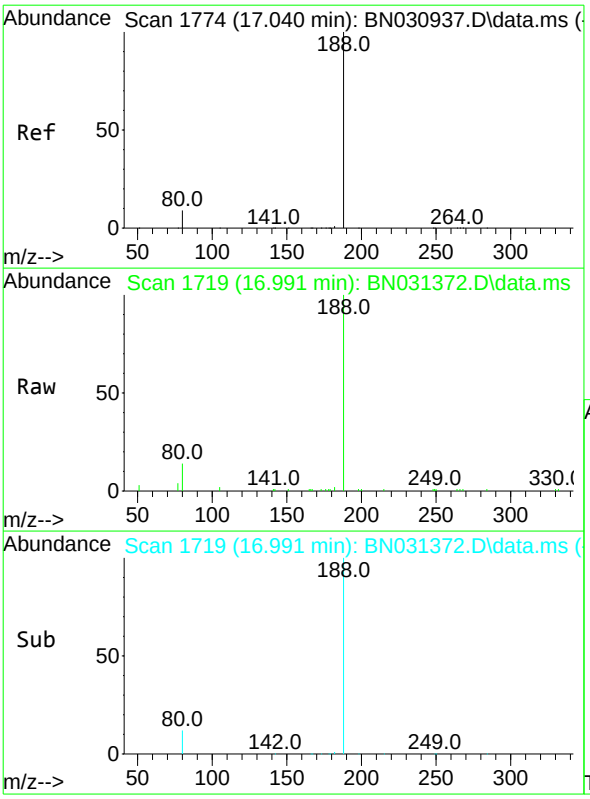


#18
Fluorene
Concen: 0.364 ng
RT: 15.300 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:166 Resp: 9982

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.3	117.5
167	13.2	11.1	16.7



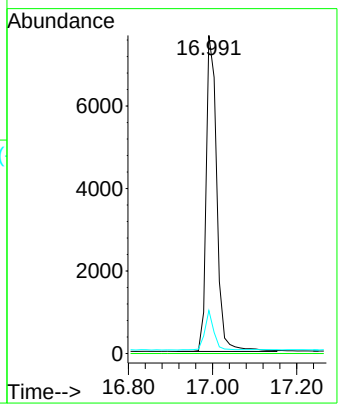


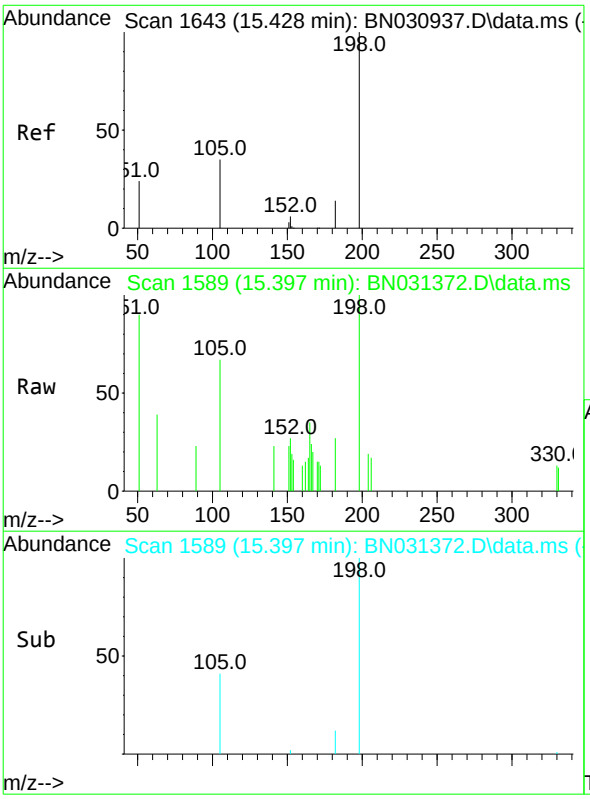
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.991 min Scan# 17
Delta R.T. -0.012 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:188 Resp: 13381

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.5	7.4	11.2#

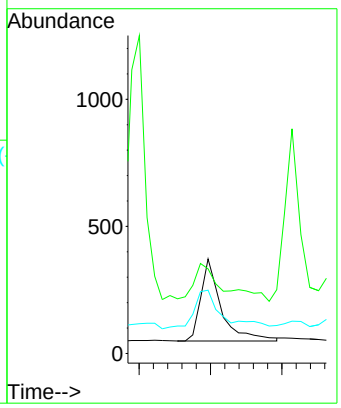


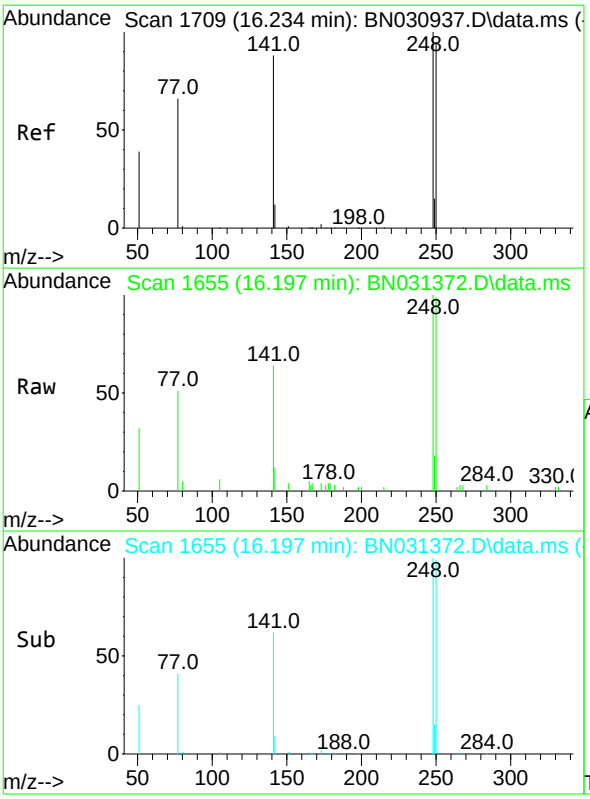


#20
4,6-Dinitro-2-methylphenol
Concen: 0.418 ng
RT: 15.397 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:198 Resp: 642

Ion	Ratio	Lower	Upper
198	100		
51	89.5	65.2	97.8
105	66.9	41.0	61.4#



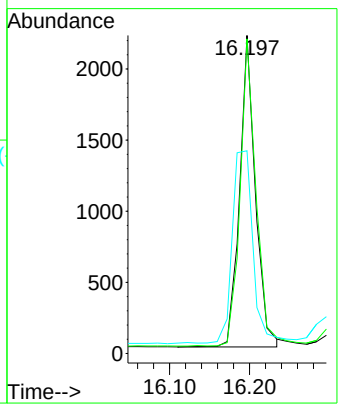


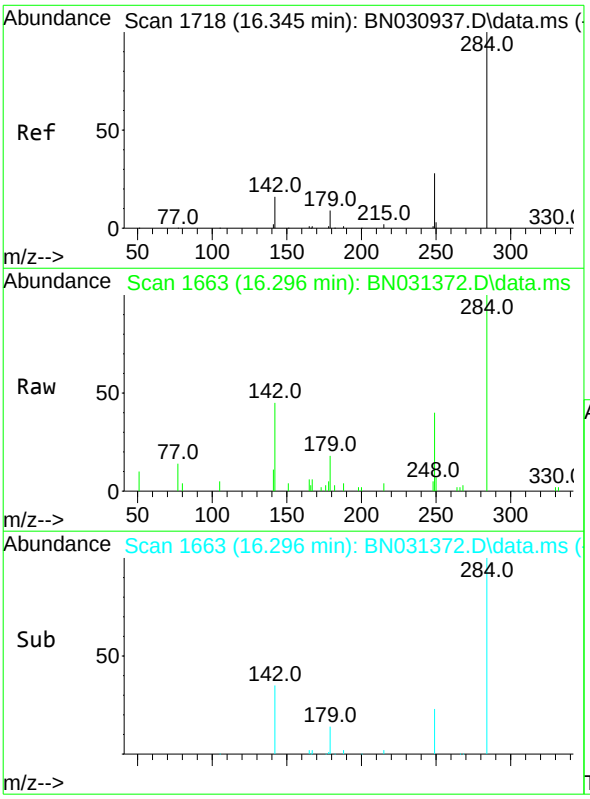
#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 16.197 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:248 Resp: 3003

Ion	Ratio	Lower	Upper
248	100		
250	98.9	76.1	114.1
141	63.7	71.1	106.7#

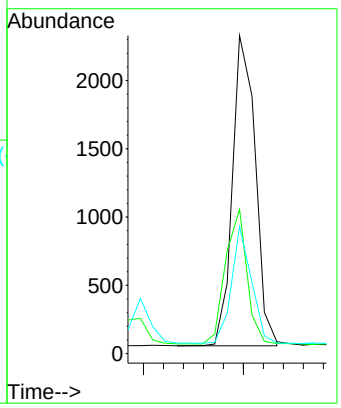


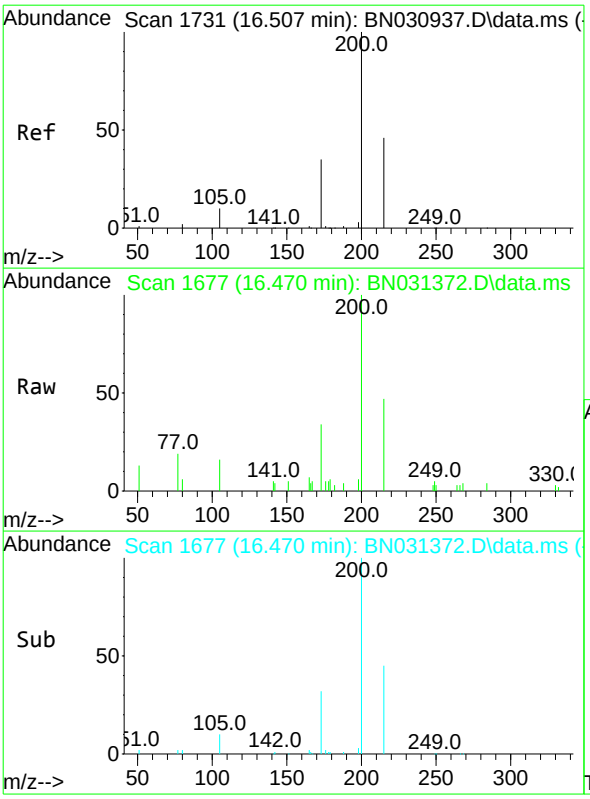


#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.296 min Scan# 1663
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:284 Resp: 3612

Ion	Ratio	Lower	Upper
284	100		
142	40.6	33.0	49.4
249	32.6	25.5	38.3



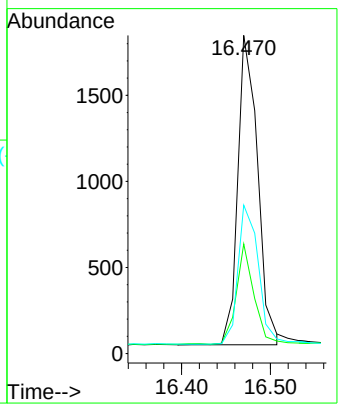


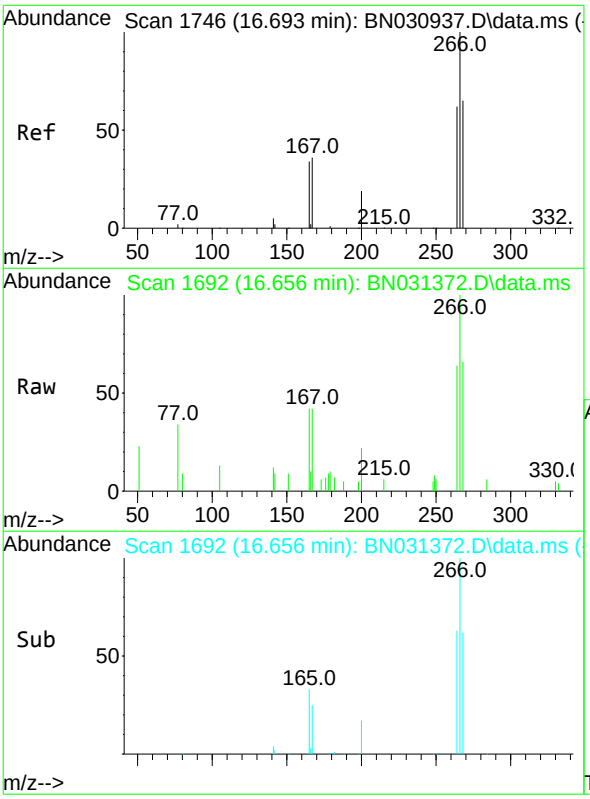
#23
Atrazine
Concen: 0.483 ng
RT: 16.470 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:200 Resp: 2778

Ion	Ratio	Lower	Upper
200	100		
173	34.5	29.9	44.9
215	46.6	38.7	58.1

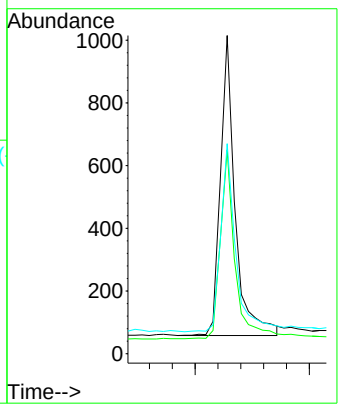


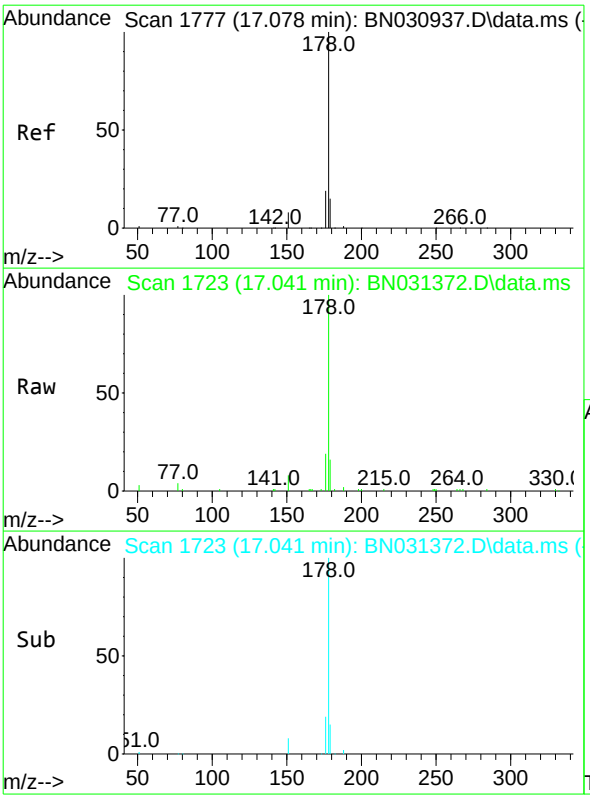


#24
Pentachlorophenol
Concen: 0.589 ng
RT: 16.656 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:266 Resp: 1710

Ion	Ratio	Lower	Upper
266	100		
264	61.9	50.2	75.2
268	63.9	52.3	78.5



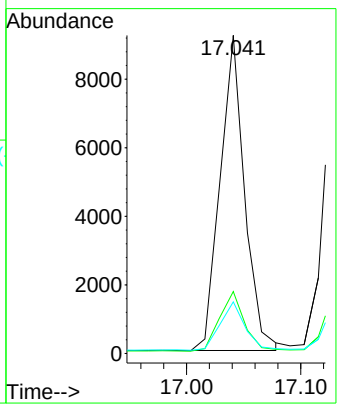


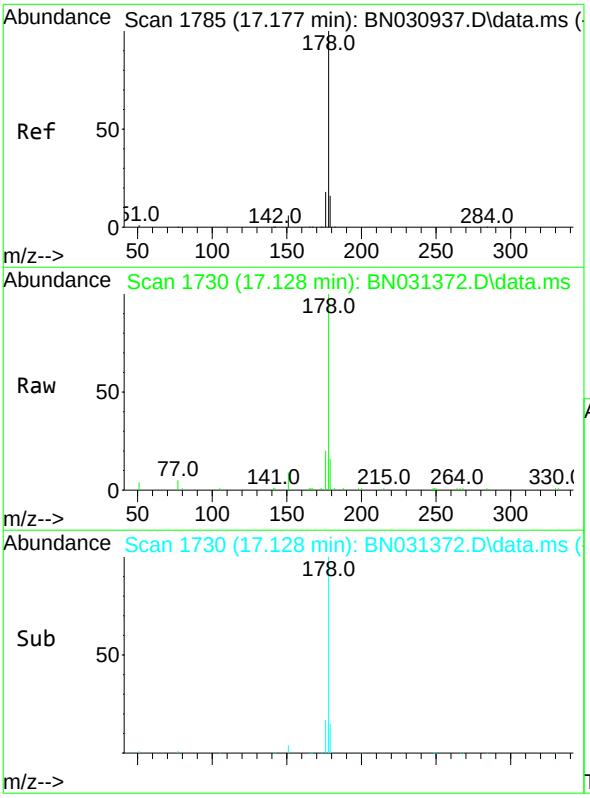
#25
Phenanthrene
Concen: 0.347 ng
RT: 17.041 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:178 Resp: 13704

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.6	12.2	18.2

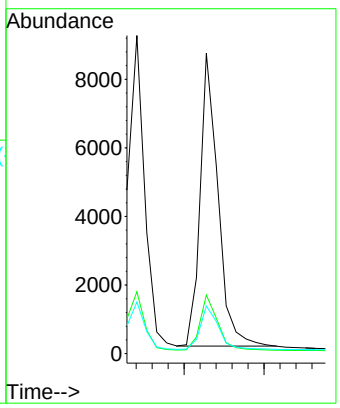


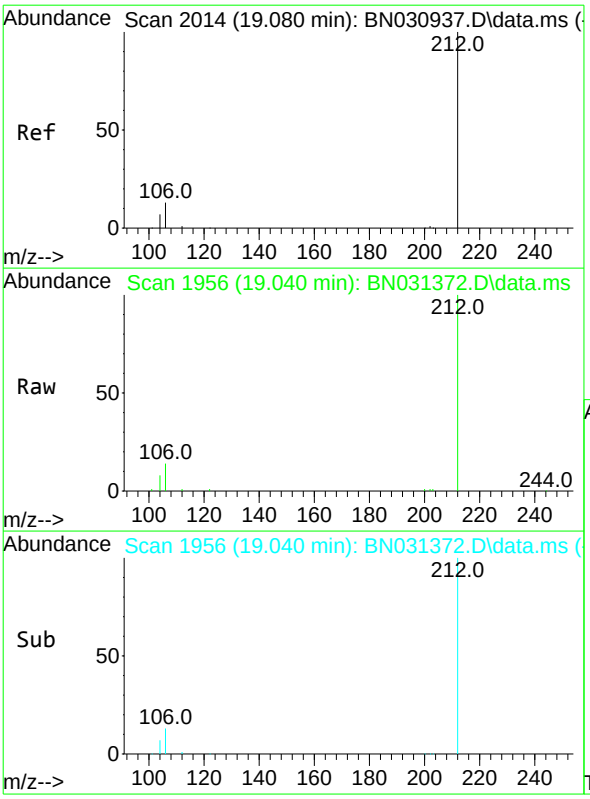


#26
Anthracene
Concen: 0.405 ng
RT: 17.128 min Scan# 1730
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:178 Resp: 13246

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.1	12.3	18.5



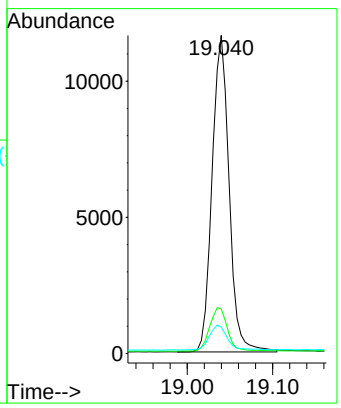


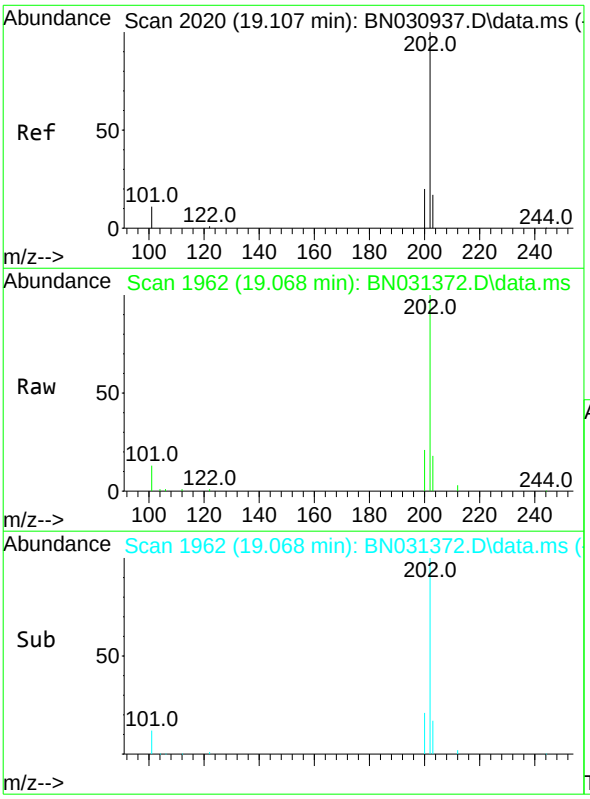
#27
Fluoranthene-d10
Concen: 0.446 ng
RT: 19.040 min Scan# 19
Delta R.T. 0.005 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:212 Resp: 16073

Ion	Ratio	Lower	Upper
212	100		
106	14.4	12.0	18.0
104	8.2	6.7	10.1

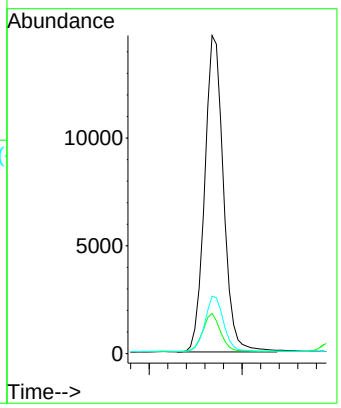


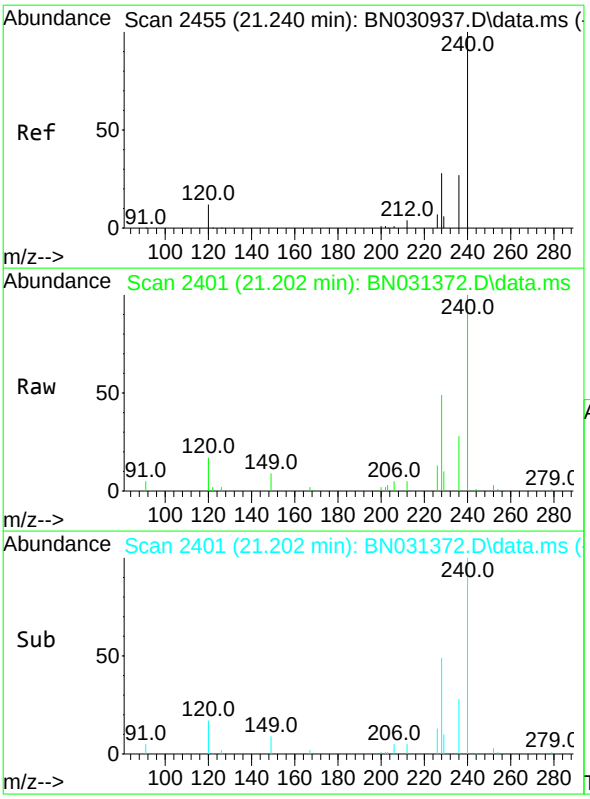


#28
Fluoranthene
Concen: 0.436 ng
RT: 19.068 min Scan# 1962
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:202 Resp: 20639

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.4	14.2
203	17.3	13.8	20.8



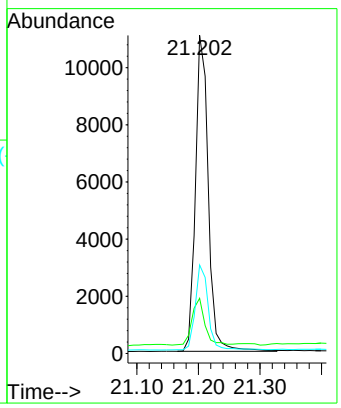


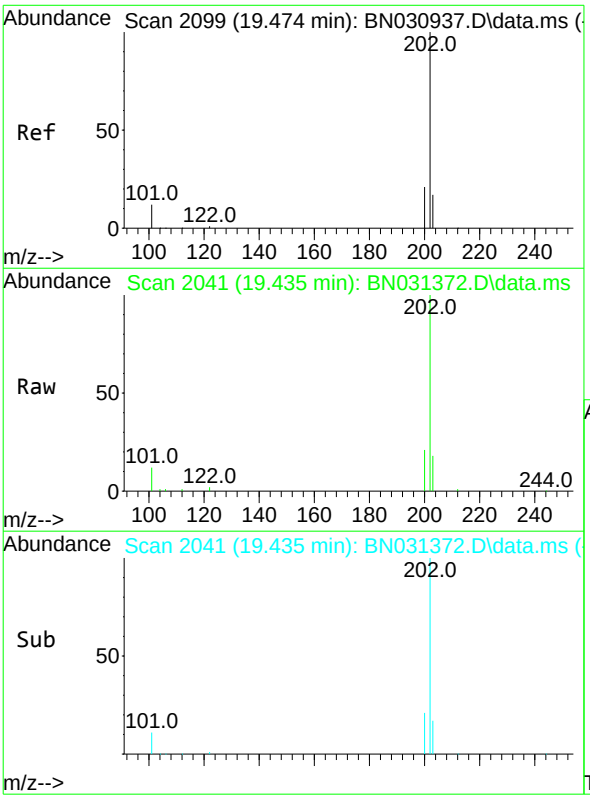
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.202 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:240 Resp: 16014

Ion	Ratio	Lower	Upper
240	100		
120	17.4	11.0	16.4#
236	27.8	22.3	33.5

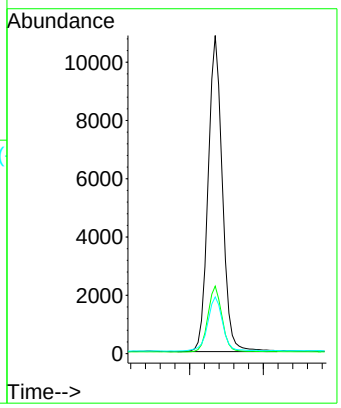


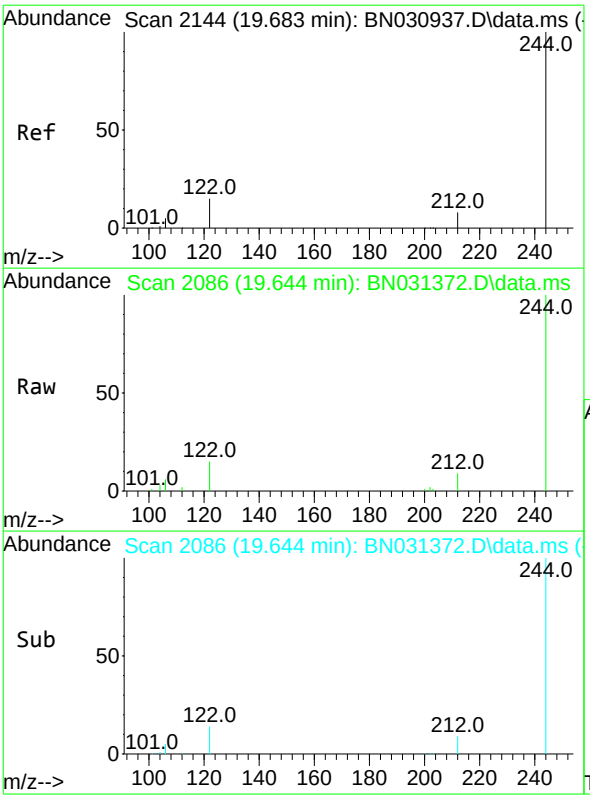


#30
Pyrene
Concen: 0.234 ng
RT: 19.435 min Scan# 2041
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:202 Resp: 14570

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	18.1	14.3	21.5



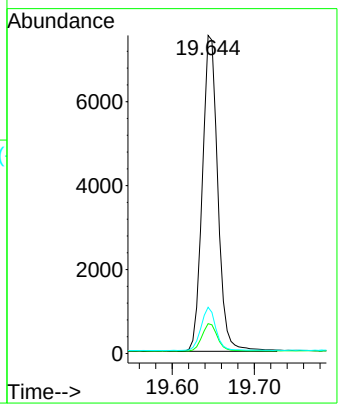


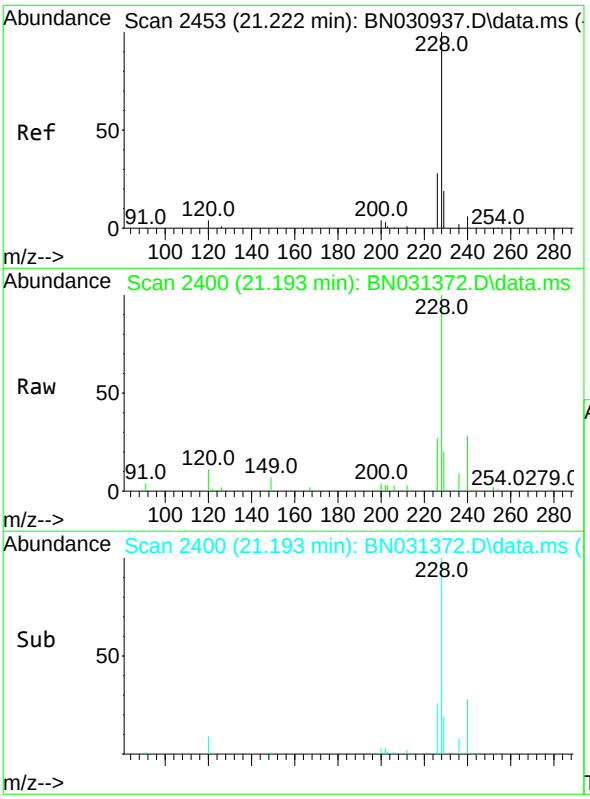
#31
Terphenyl-d14
Concen: 0.265 ng
RT: 19.644 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:244 Resp: 9844

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	14.5	12.7	19.1

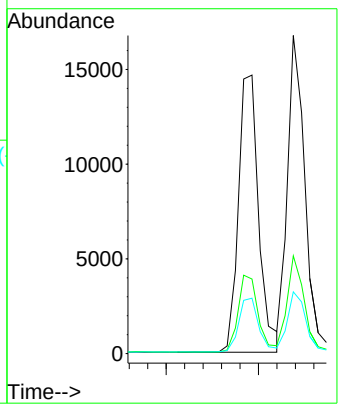


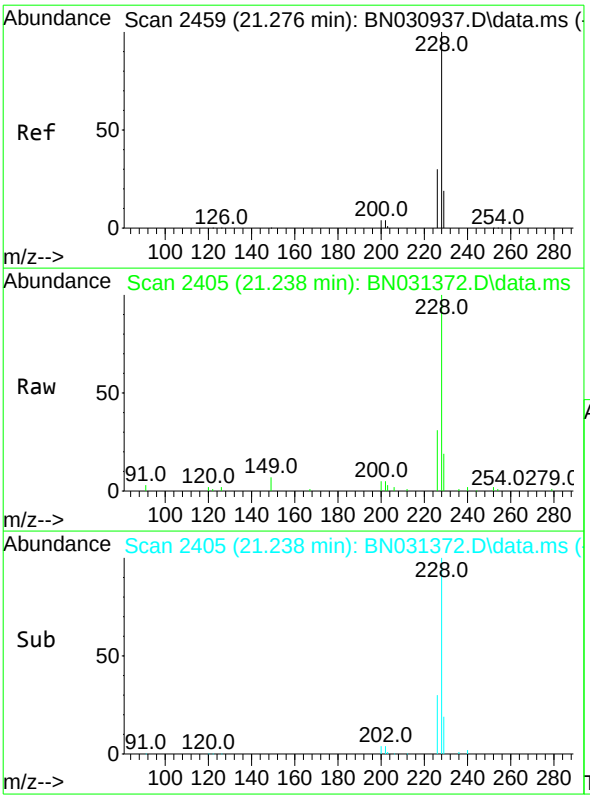


#32
Benzo(a)anthracene
Concen: 0.401 ng
RT: 21.193 min Scan# 2400
Delta R.T. 0.009 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:228 Resp: 22344

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.4	33.6
229	19.9	15.7	23.5



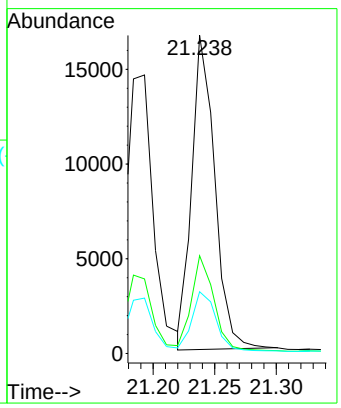


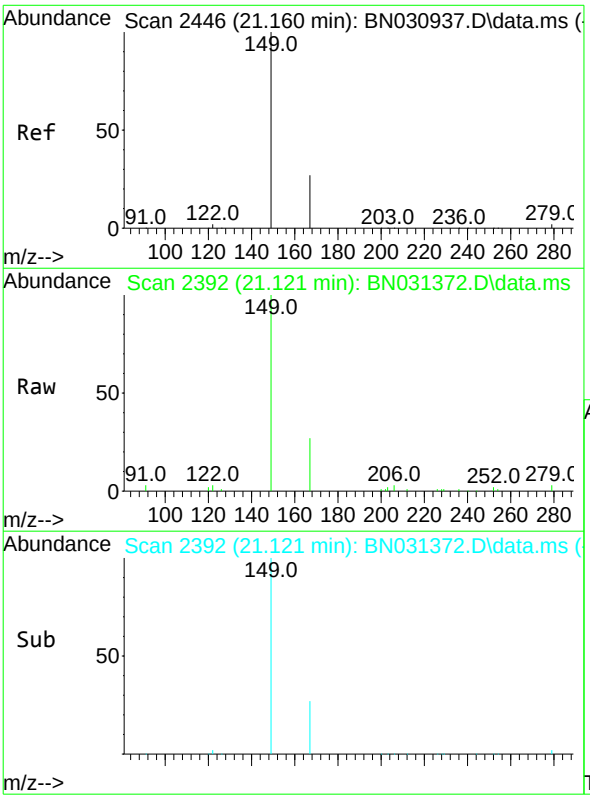
#33
Chrysene
Concen: 0.355 ng
RT: 21.238 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:228 Resp: 21531

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	19.4	15.8	23.6

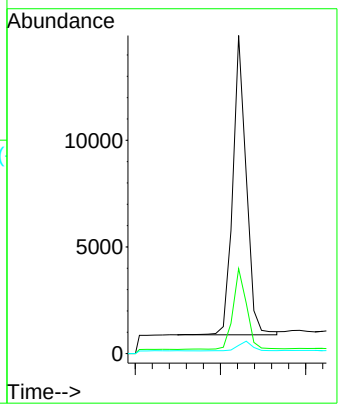


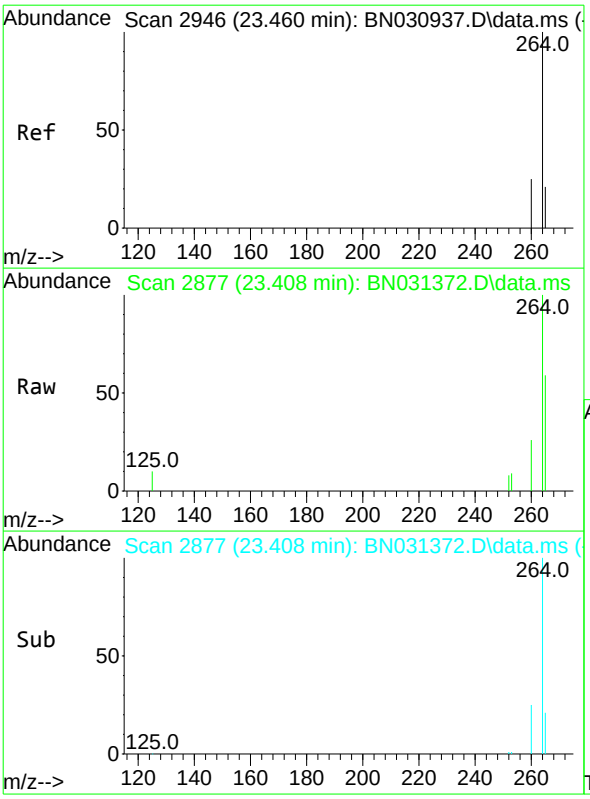


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.601 ng
RT: 21.121 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:149 Resp: 15356

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.0	31.4
279	3.5	2.9	4.3



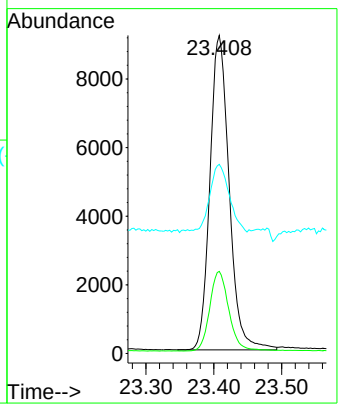


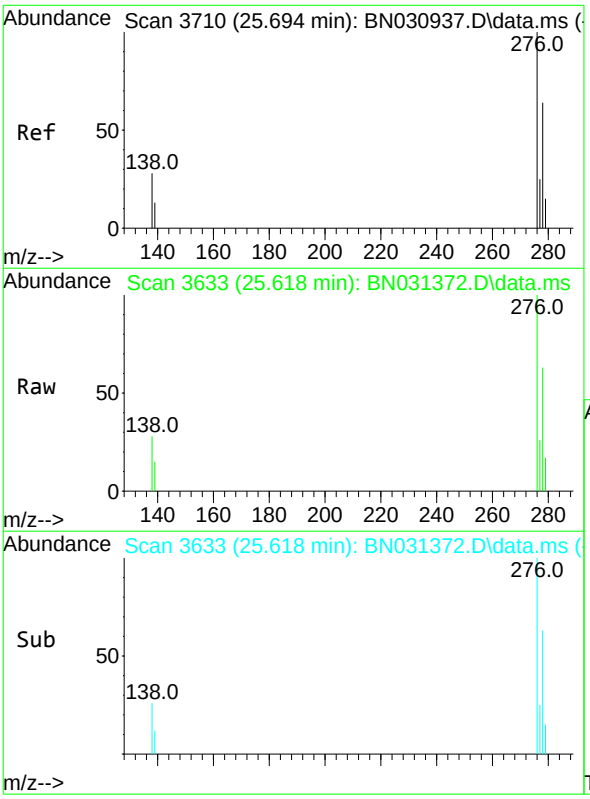
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.408 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:264 Resp: 18035

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.6	31.0
265	59.5	53.3	79.9

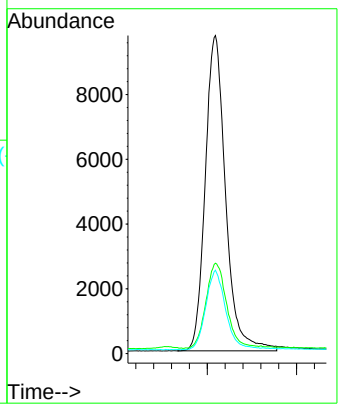


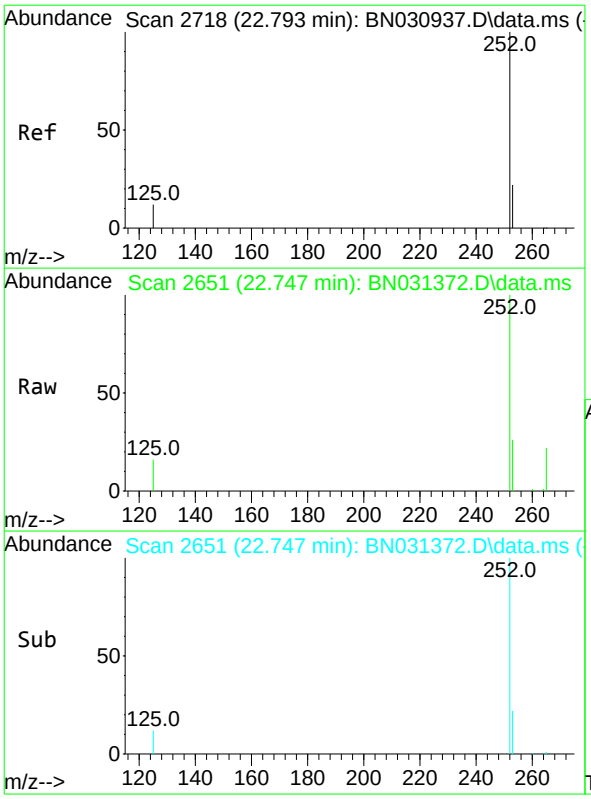


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.368 ng
RT: 25.618 min Scan# 3633
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:276 Resp: 30874

Ion	Ratio	Lower	Upper
276	100		
138	27.6	23.1	34.7
277	24.7	19.9	29.9



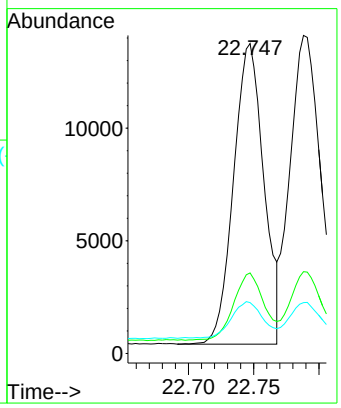


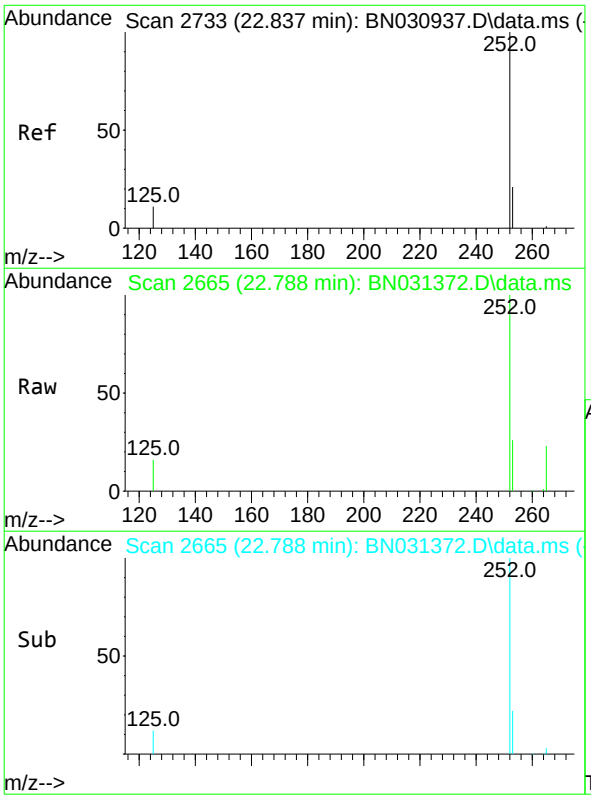
#37
Benzo(b)fluoranthene
Concen: 0.289 ng
RT: 22.747 min Scan# 26
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:252 Resp: 21541

Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.2	30.2
125	16.4	13.4	20.2

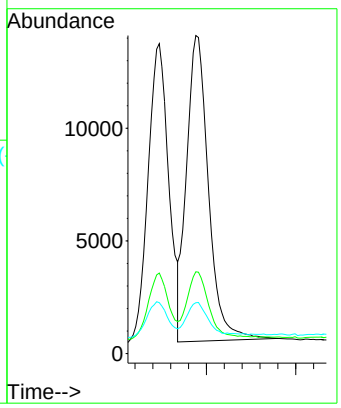


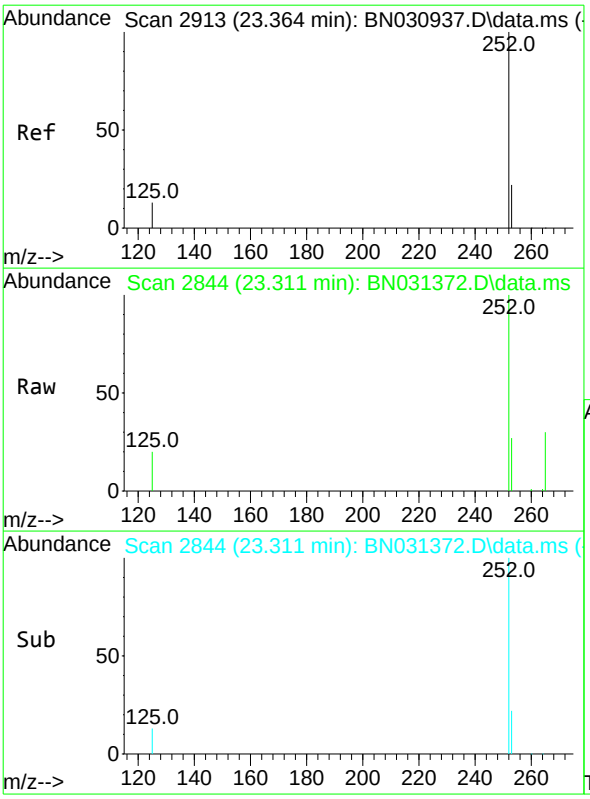


#38
Benzo(k)fluoranthene
Concen: 0.318 ng
RT: 22.788 min Scan# 2665
Delta R.T. -0.003 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:252 Resp: 23135

Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.9	29.9
125	16.0	13.2	19.8



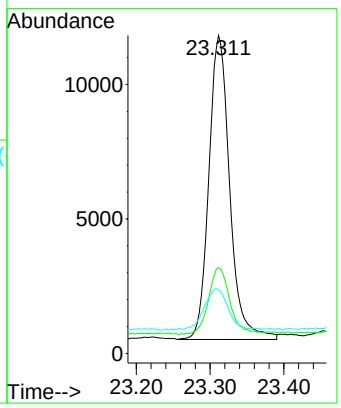


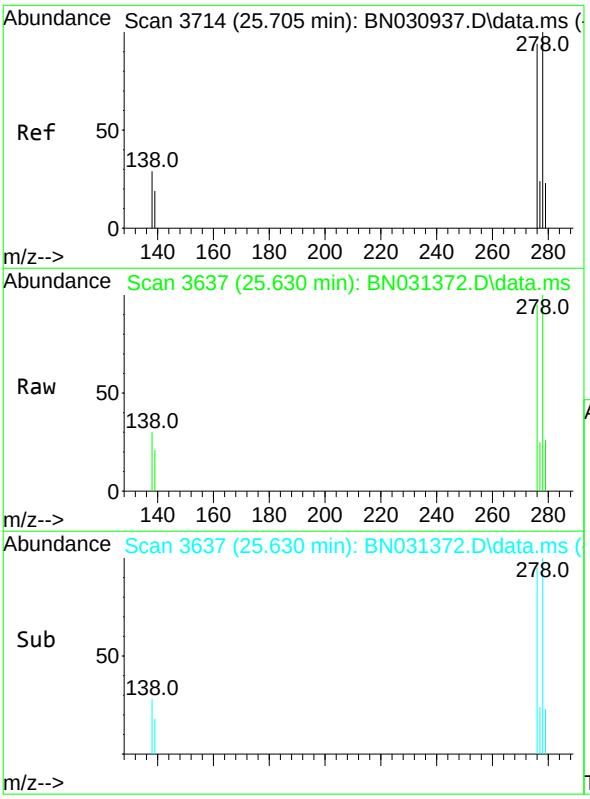
#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.311 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:252 Resp: 22236

Ion	Ratio	Lower	Upper
252	100		
253	27.0	21.4	32.2
125	20.0	16.6	25.0

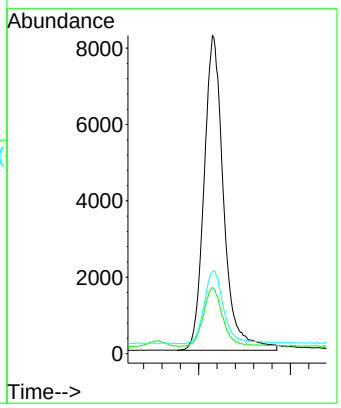


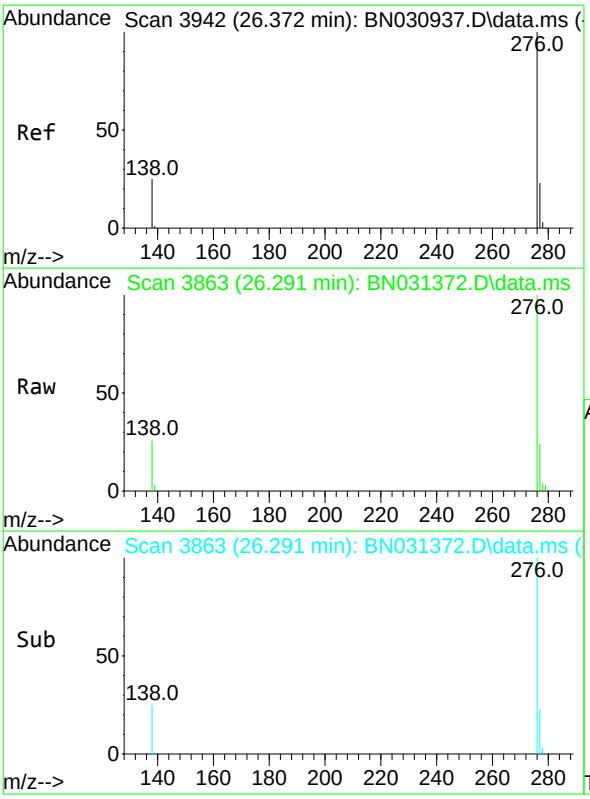


#40
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 25.630 min Scan# 3637
Delta R.T. -0.003 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Tgt Ion:278 Resp: 24478

Ion	Ratio	Lower	Upper
278	100		
139	20.8	16.3	24.5
279	25.7	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 0.364 ng
RT: 26.291 min Scan# 38
Delta R.T. -0.003 min
Lab File: BN031372.D
Acq: 02 May 2024 14:49

Instrument :
BNA_N
ClientSampleId :
PB160640BS

Tgt Ion:276 Resp: 26932

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.2
138	26.1	21.0	31.4