Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
Data File : BN010721.D
Acq On : 14 May 2020 20:32
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: May 15 01:52:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 14:18:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3756	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	13970	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	8256	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	17447	0.40	ng		0.00
27) Chrysene-d12	21.15	240	14560	0.40	ng		0.00
34) Perylene-d12	23.32	264	14062	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	3153	0.43	ng		0.00
5) Phenol-d6	6.77	99	3827	0.43	ng		0.00
8) Nitrobenzene-d5	8.71	82	3853	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	8785	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	1164	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	12279	0.41	ng		0.00
25) Fluoranthene-d10	18.98	212	18357	0.39	ng		0.00
29) Terphenyl-d14	19.60	244	14038	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	1350	0.417	ng		98
3) n-Nitrosodimethylamine	3.56	42	706	0.379	ng		98
6) bis(2-Chloroethyl)ether	7.02	93	3586	0.387	ng		95
9) Naphthalene	10.38	128	13878	0.395	ng		99
10) Hexachlorobutadiene	10.67	225	3247	0.404	ng	#	98
12) 2-Methylnaphthalene	12.00	142	9641	0.389	ng		98
16) Acenaphthylene	13.91	152	12745	0.378	ng		100
17) Acenaphthene	14.26	154	9133	0.401	ng		99
18) Fluorene	15.26	166	11766	0.394	ng		100
20) 4-Bromophenyl-phenylether	16.16	248	3742	0.388	ng	#	88
21) Hexachlorobenzene	16.26	284	4527	0.395	ng		99
22) Pentachlorophenol	16.61	266	1288	0.363	ng		98
23) Phenanthrene	16.99	178	18263	0.390	ng		99
24) Anthracene	17.08	178	14853	0.378	ng		100
26) Fluoranthene	19.02	202	20561	0.387	ng		99
28) Pyrene	19.38	202	20513	0.393	ng		100
30) Benzo(a)anthracene	21.14	228	16496	0.388	ng		99
31) Chrysene	21.18	228	19289	0.401	ng		99
32) Bis(2-ethylhexyl)phthalate	21.09	149	7347	0.395	ng		99
33) Indeno(1,2,3-cd)pyrene	25.45	276	17674	0.413	ng		99
35) Benzo(b)fluoranthene	22.68	252	17860	0.384	ng		97
36) Benzo(k)fluoranthene	22.72	252	20362	0.407	ng		98
37) Benzo(a)pyrene	23.22	252	15777	0.392	ng		96
38) Dibenzo(a,h)anthracene	25.47	278	13735	0.400	ng		96
39) Benzo(g,h,i)perylene	26.09	276	15213	0.377	ng		99

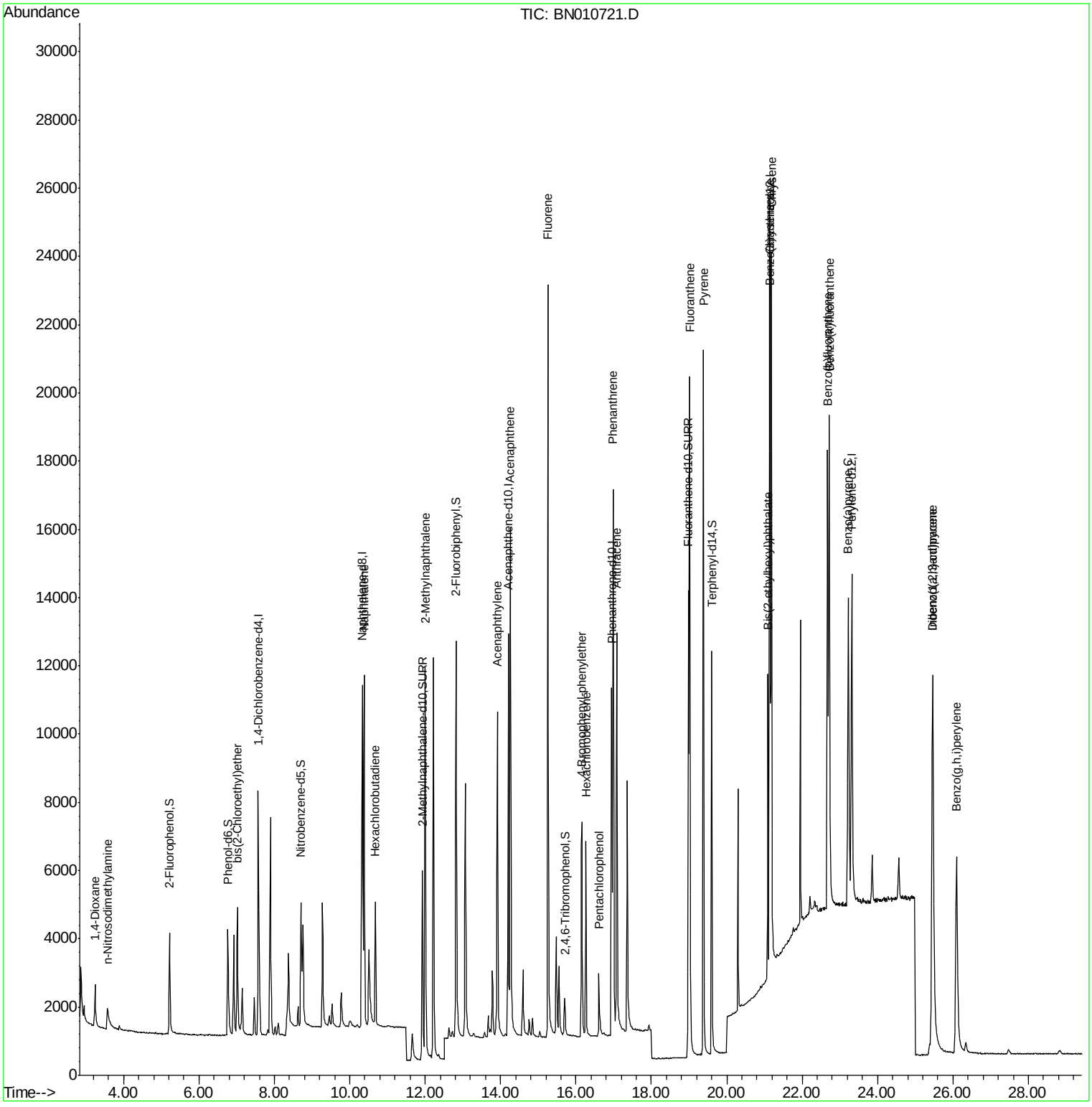
(#) = qualifier out of range (m) = manual integration (+) = signals summed

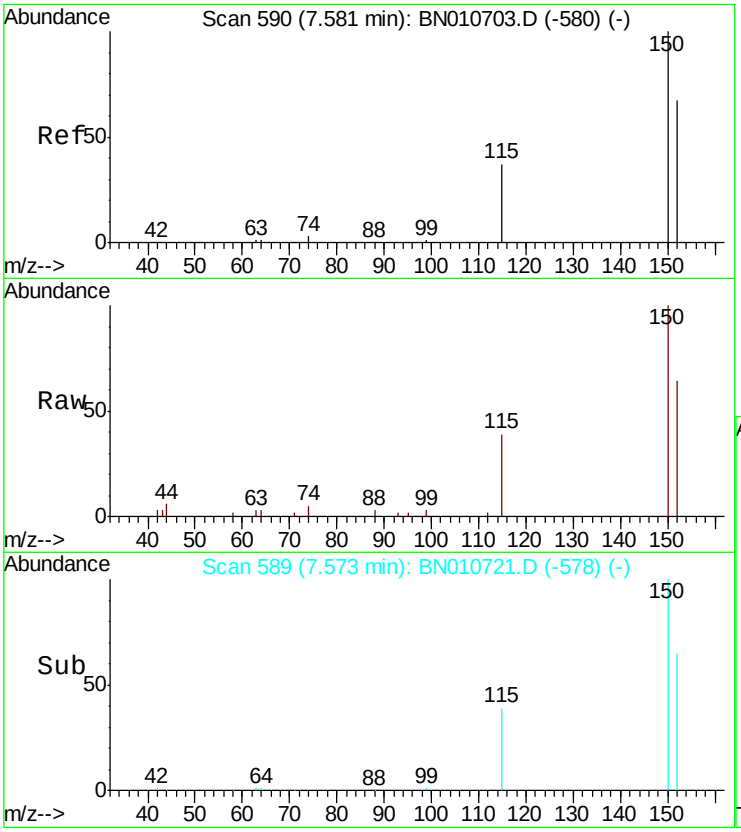
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
Data File : BN010721.D
Acq On : 14 May 2020 20:32
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 15 01:52:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 14:18:48 2020
Response via : Initial Calibration



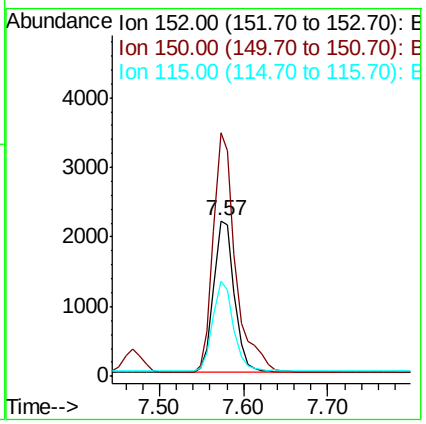


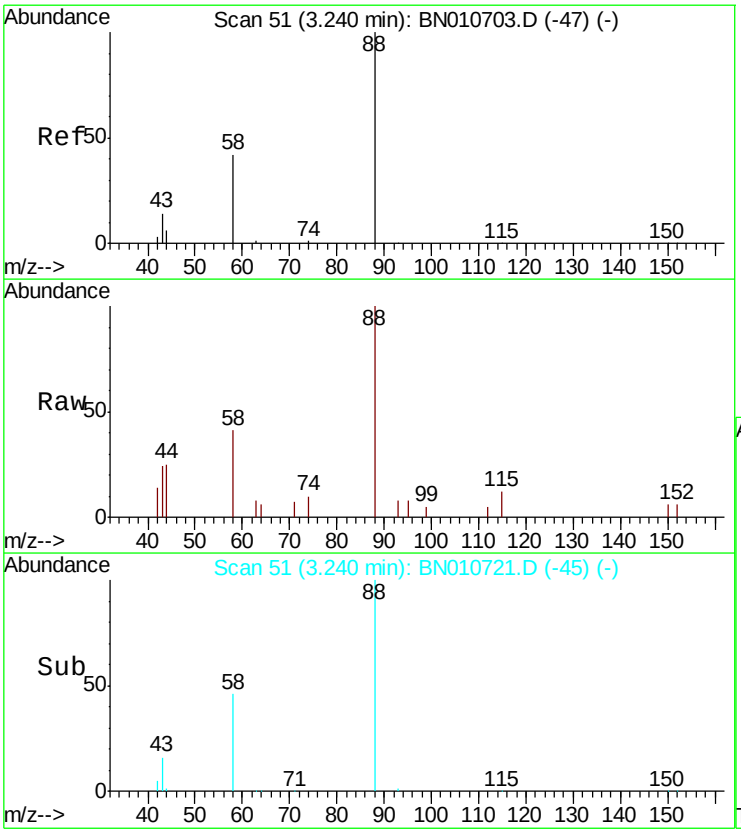
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 589
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3756

Ion	Ratio	Lower	Upper
152	100		
150	156.7	119.4	179.0
115	61.4	45.9	68.9

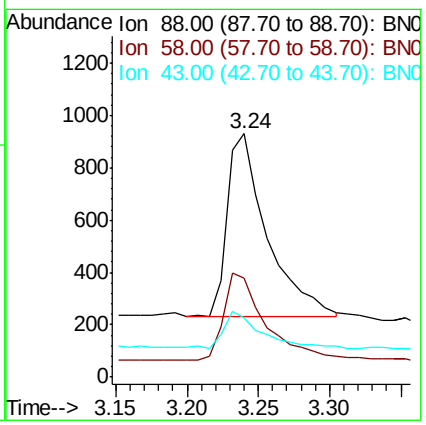


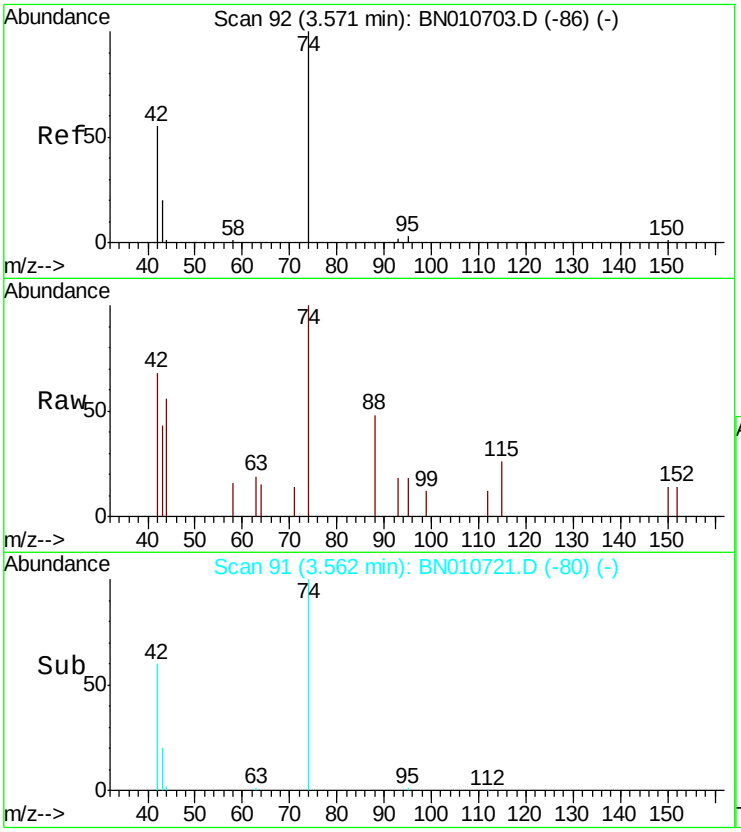


#2
1,4-Dioxane
Concen: 0.417 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion: 88 Resp: 1350

Ion	Ratio	Lower	Upper
88	100		
58	50.3	39.0	58.6
43	16.8	13.1	19.7



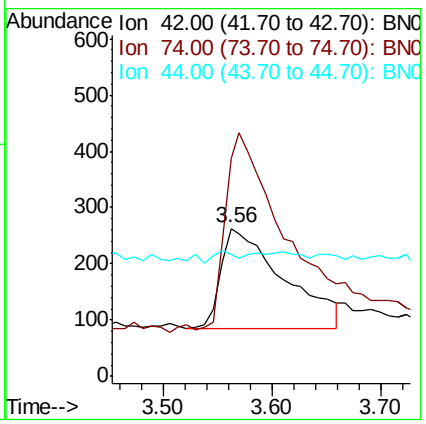


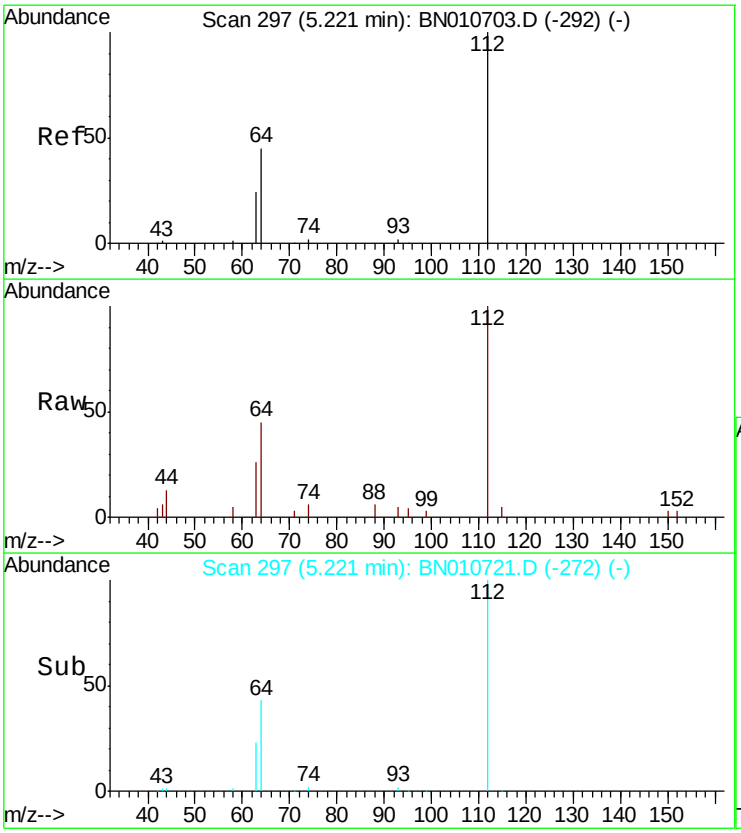
#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.56 min Scan# 91
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 706

Ion	Ratio	Lower	Upper
42	100		
74	185.0	146.2	219.2
44	4.1	3.0	4.4

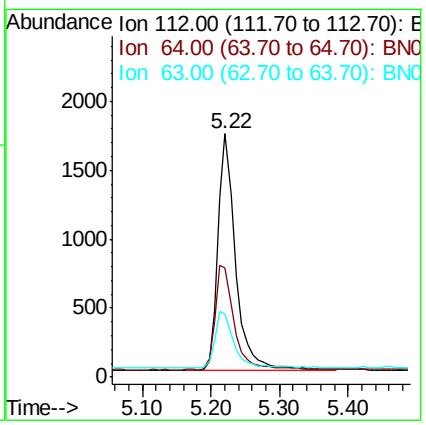


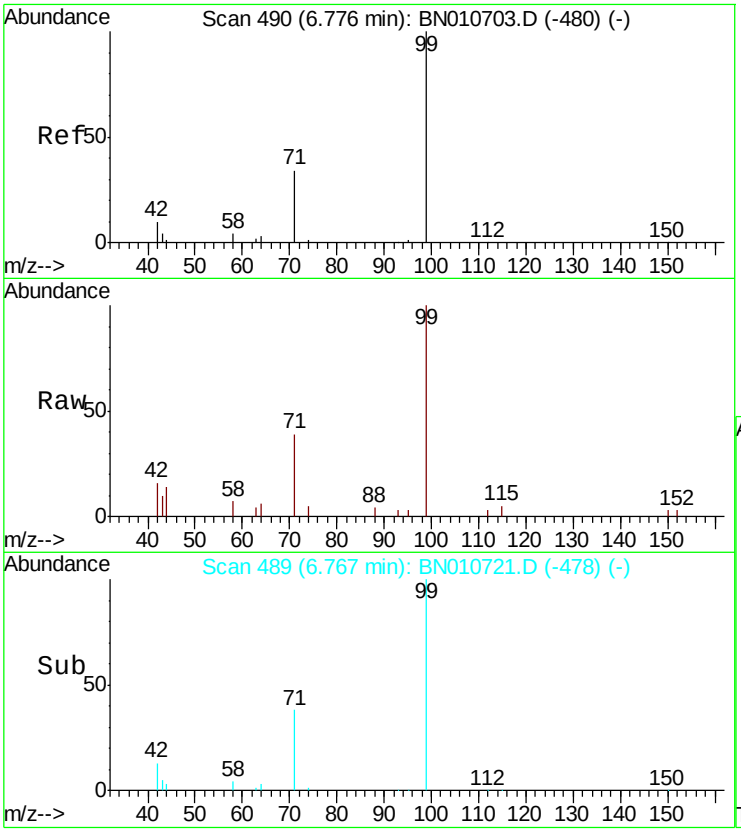


#4
2-Fluorophenol
Concen: 0.429 ng
RT: 5.22 min Scan# 297
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:112 Resp: 3153

Ion	Ratio	Lower	Upper
112	100		
64	47.8	36.2	54.4
63	26.1	19.8	29.8



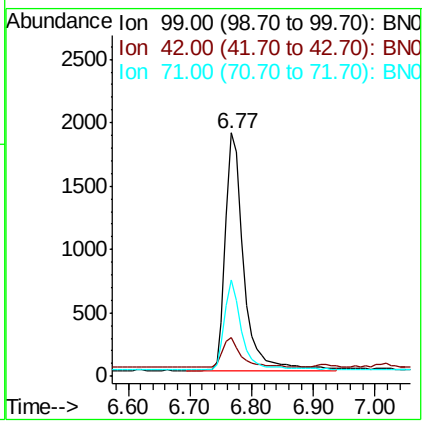


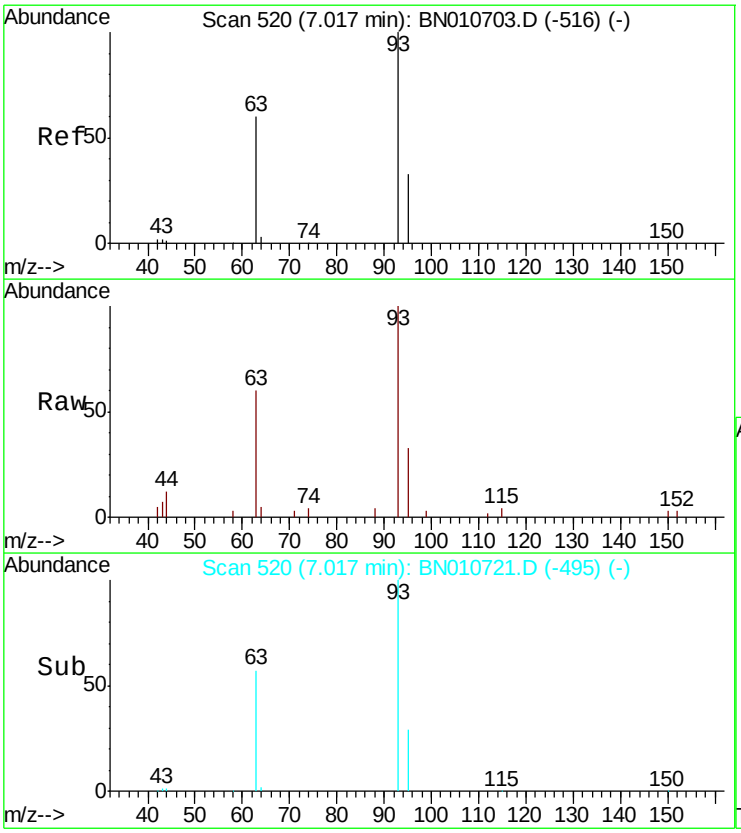
#5
Phenol-d6
Concen: 0.426 ng
RT: 6.77 min Scan# 489
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3827

Ion	Ratio	Lower	Upper
99	100		
42	12.4	9.8	14.8
71	36.0	28.6	42.8

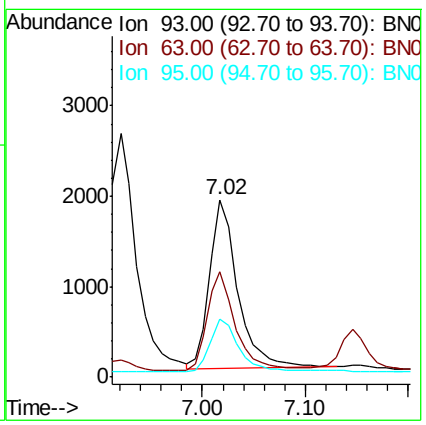


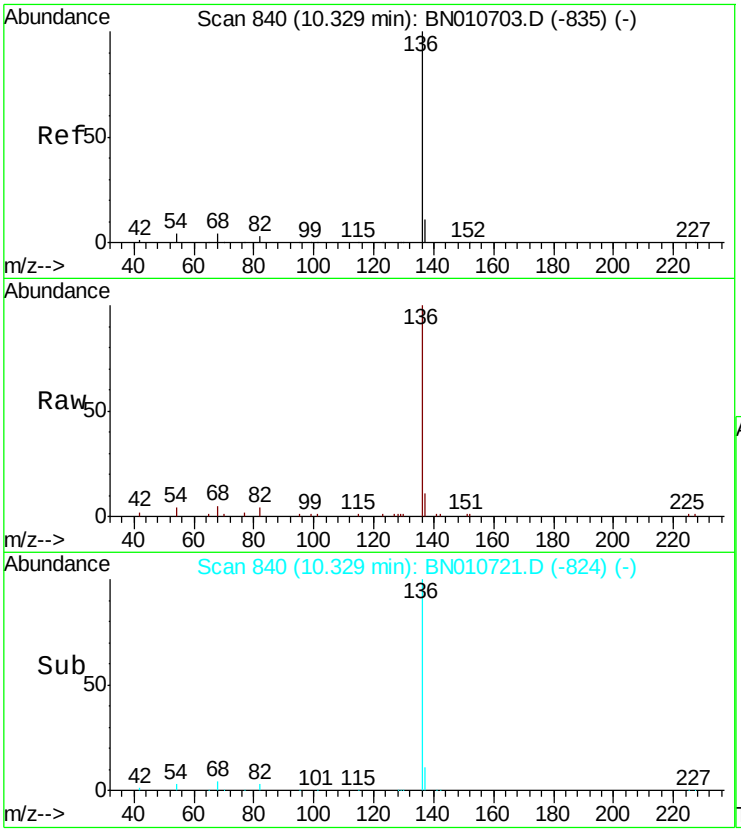


#6
bis(2-Chloroethyl)ether
Concen: 0.387 ng
RT: 7.02 min Scan# 520
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion: 93 Resp: 3586

Ion	Ratio	Lower	Upper
93	100		
63	58.4	43.1	64.7
95	32.5	24.6	37.0



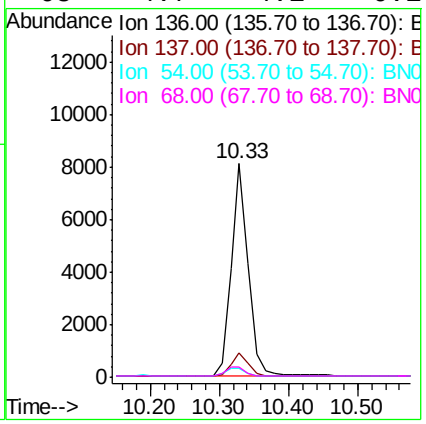


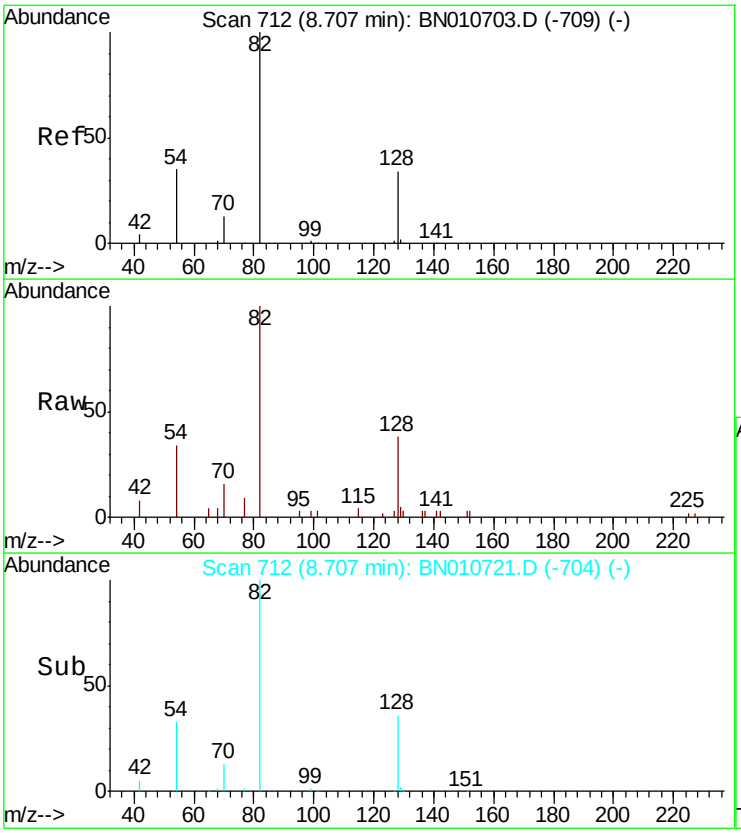
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 13970

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	4.0	3.6	5.4
68	4.7	4.1	6.1

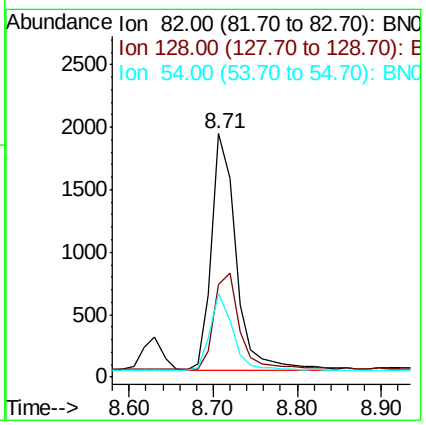


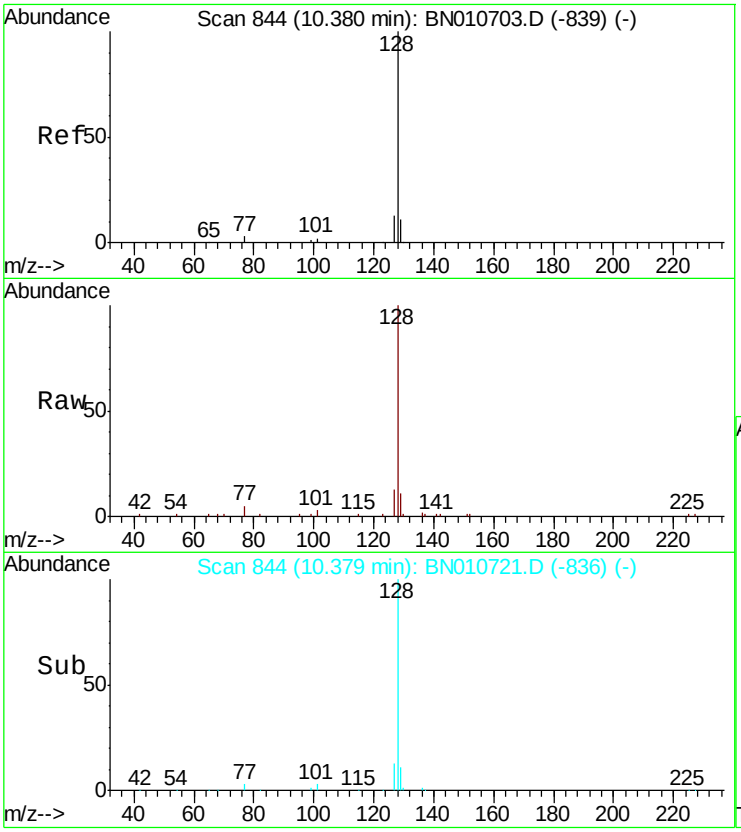


#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.71 min Scan# 712
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion: 82 Resp: 3853

Ion	Ratio	Lower	Upper
82	100		
128	38.2	29.0	43.4
54	34.2	29.3	43.9



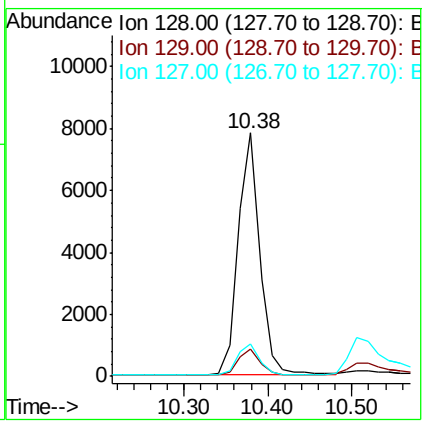


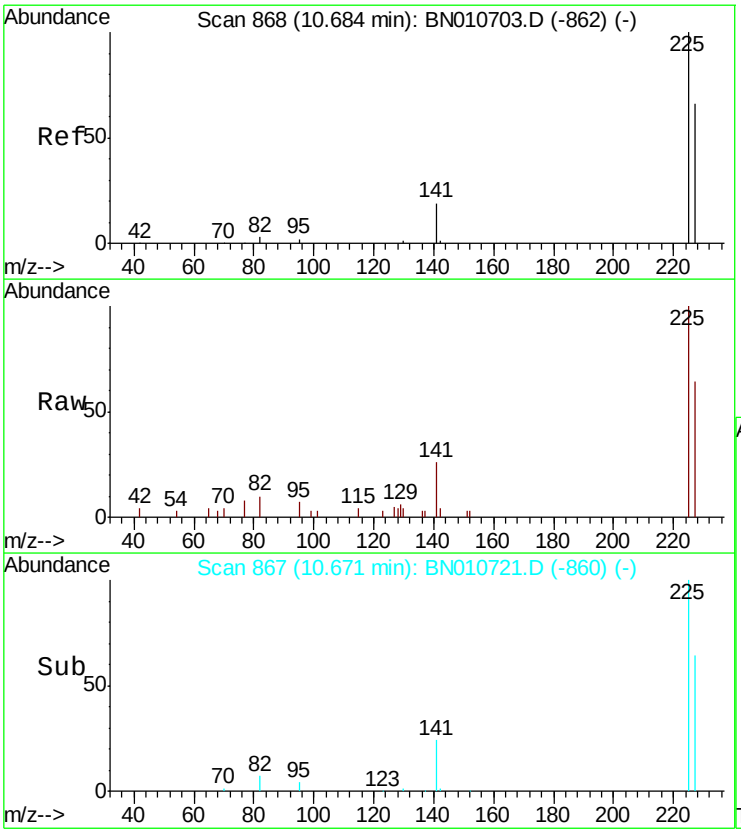
#9
Naphthalene
Concen: 0.395 ng
RT: 10.38 min Scan# 844
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 13878

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.4	11.0	16.6

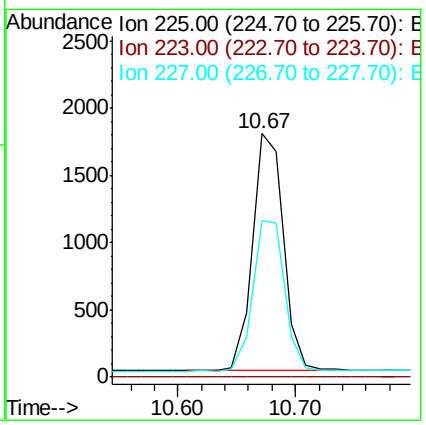


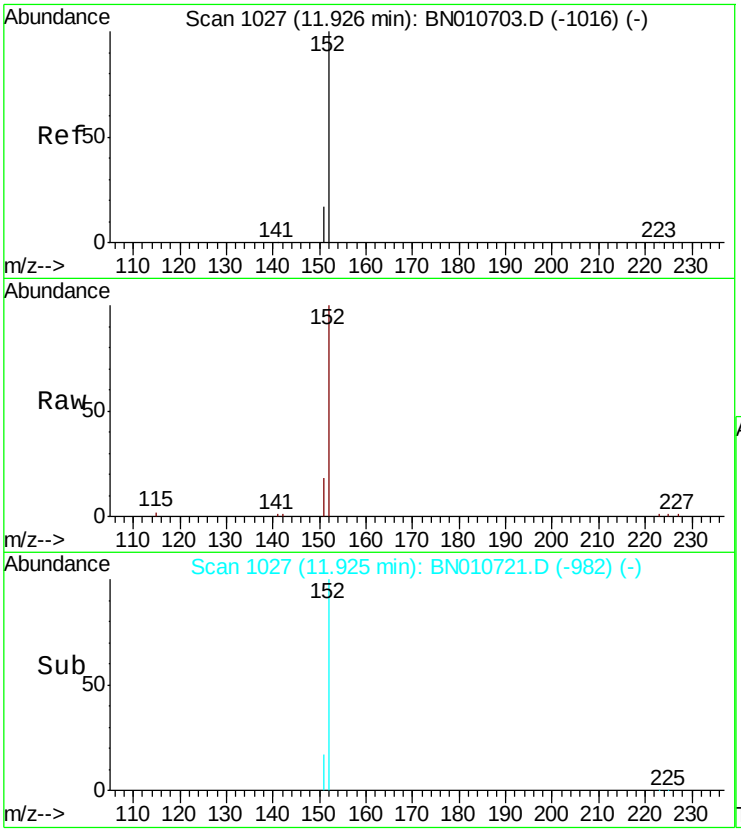


#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 10.67 min Scan# 867
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:225 Resp: 3247

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.9	50.7	76.1



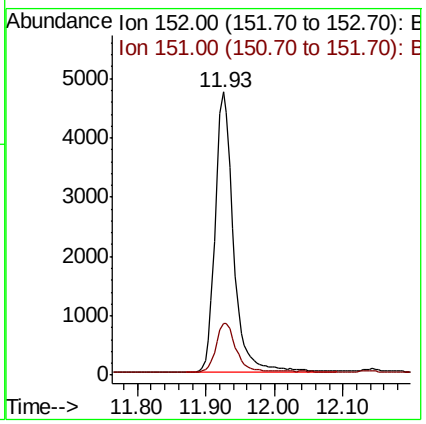


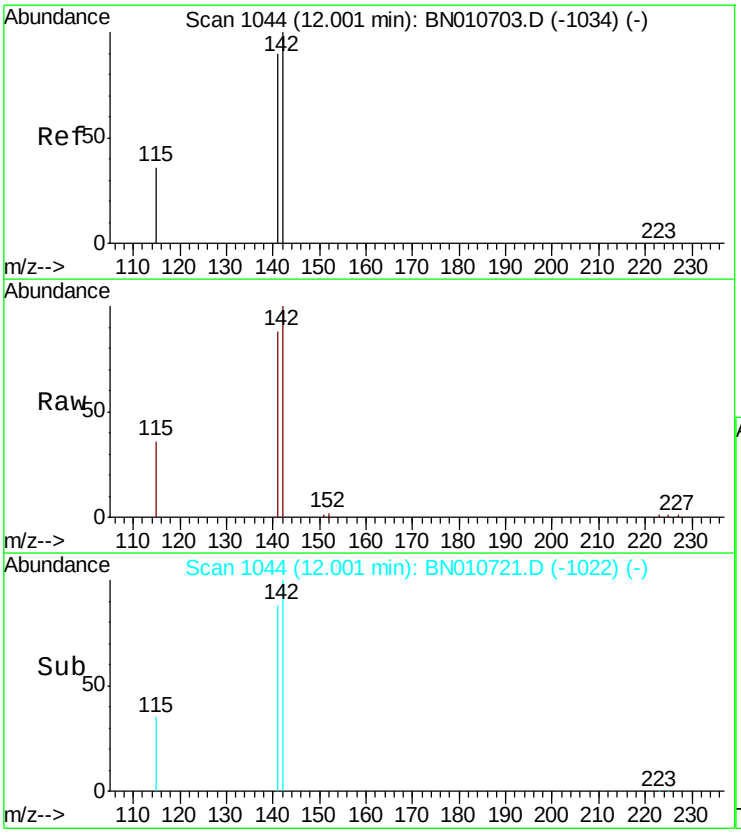
#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 11.93 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 8785

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.0	22.6

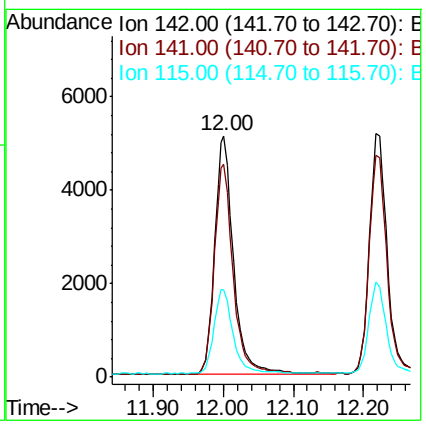


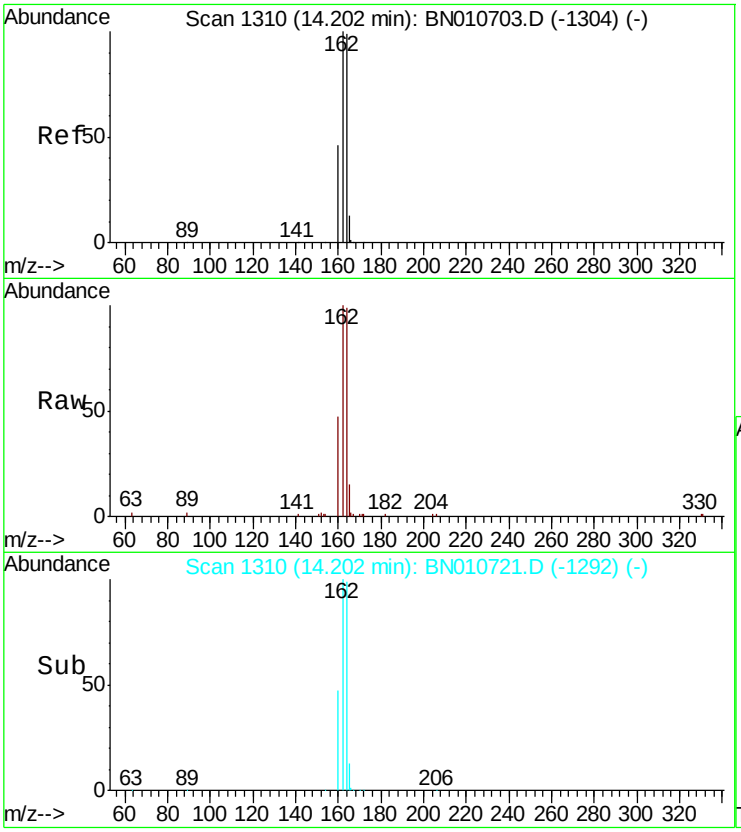


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.00 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:142 Resp: 9641

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.7	107.5
115	36.4	29.8	44.6



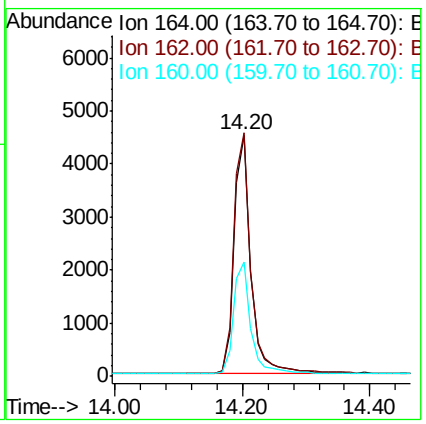


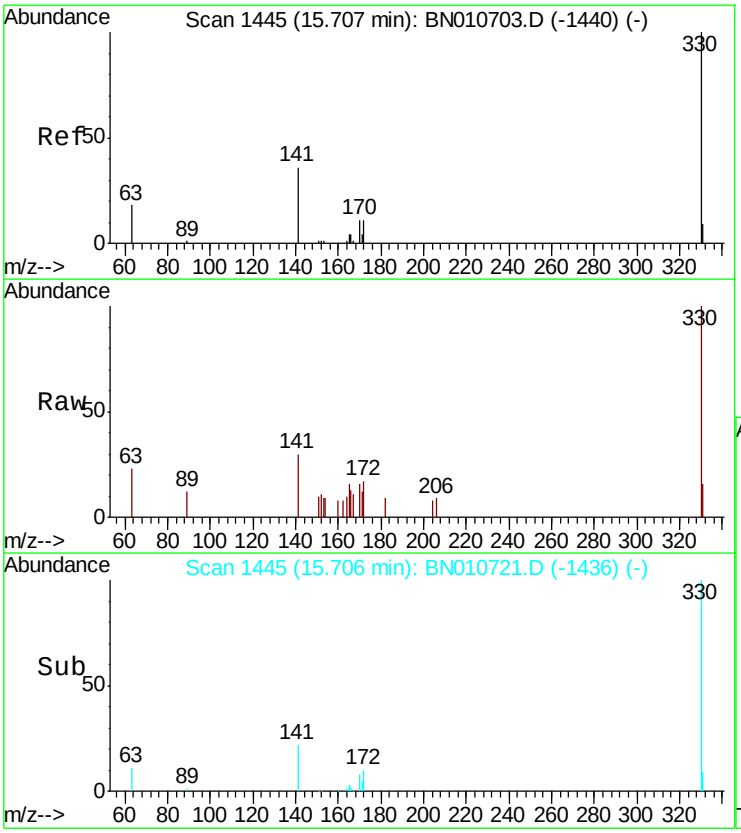
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 8256

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.1	121.7
160	47.5	37.9	56.9

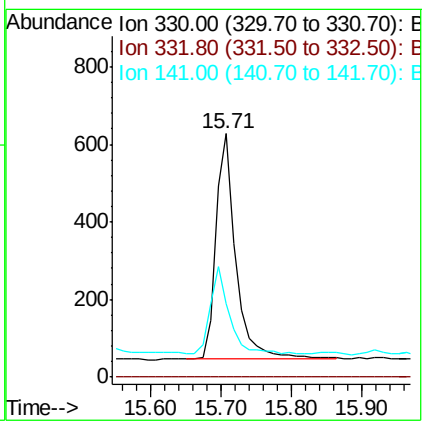


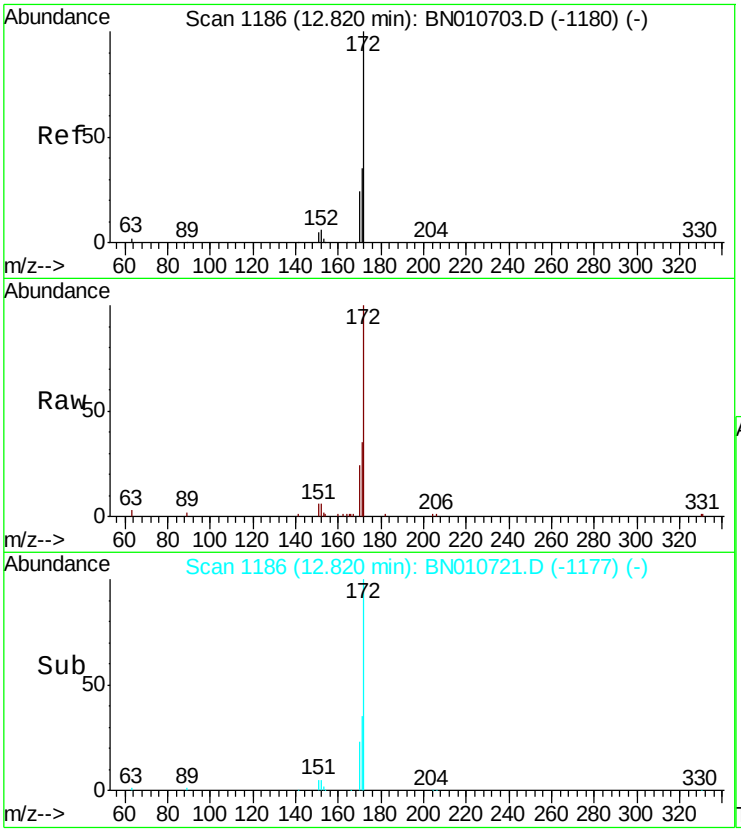


#14
2,4,6-Tribromophenol
Concen: 0.389 ng
RT: 15.71 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:330 Resp: 1164

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.4	28.8	43.2



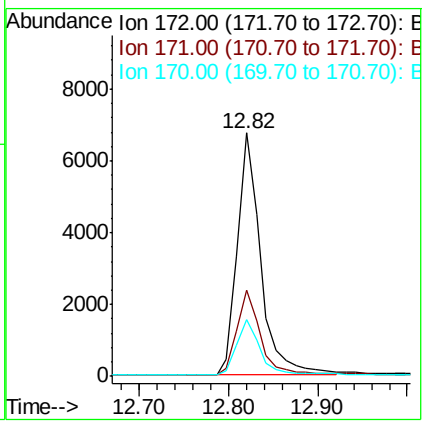


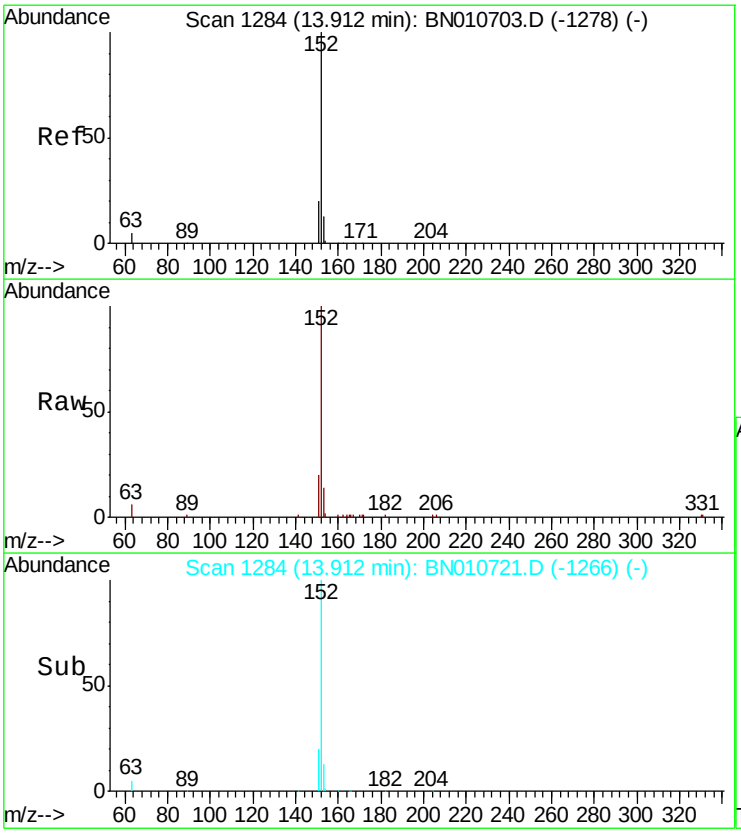
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 12279

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.5	19.8	29.8

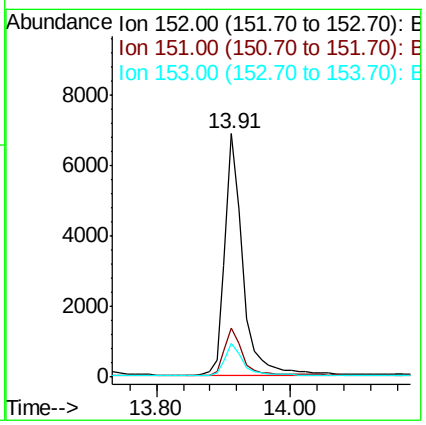


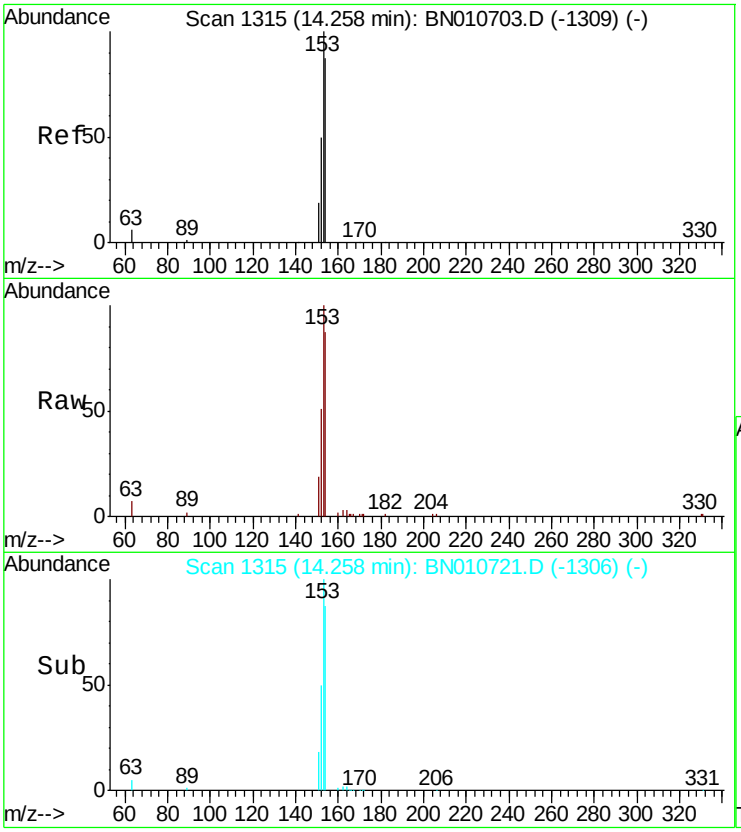


#16
Acenaphthylene
Concen: 0.378 ng
RT: 13.91 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:152 Resp: 12745

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.1	10.4	15.6



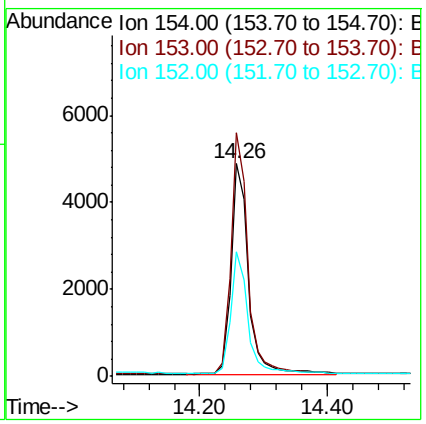


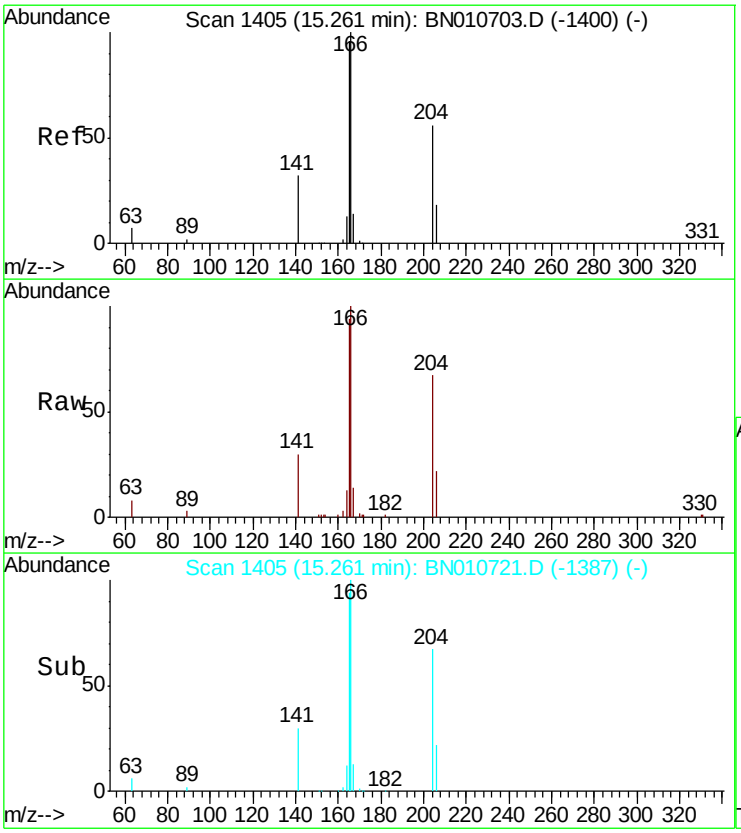
#17
Acenaphthene
Concen: 0.401 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 9133

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.5	137.3
152	56.4	45.6	68.4

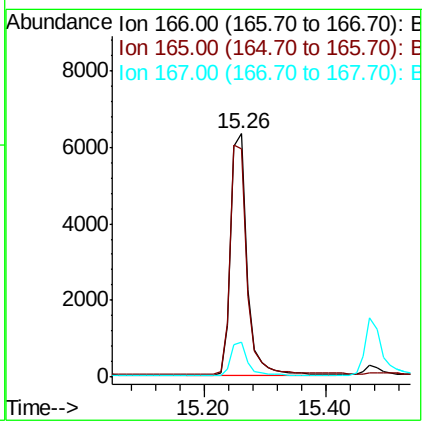


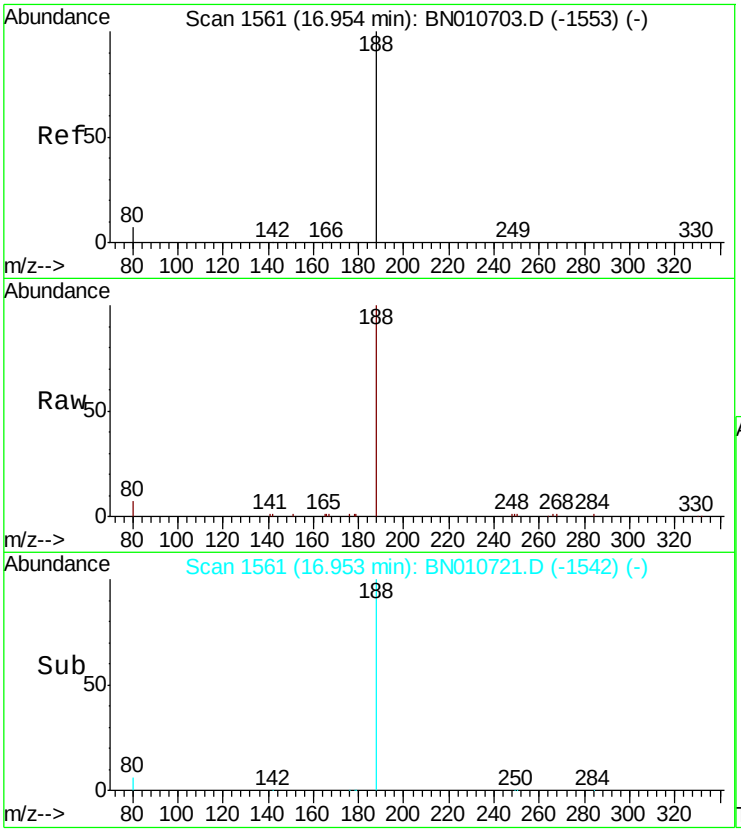


#18
Fluorene
Concen: 0.394 ng
RT: 15.26 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:166 Resp: 11766

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.9	116.9
167	13.5	11.0	16.4



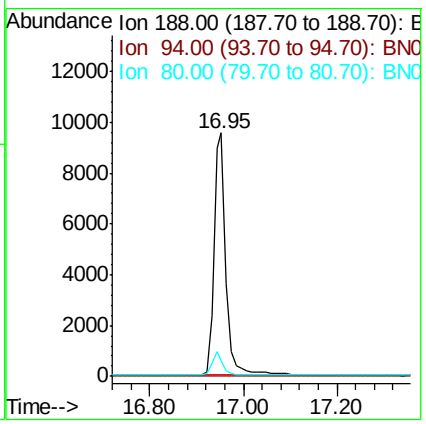


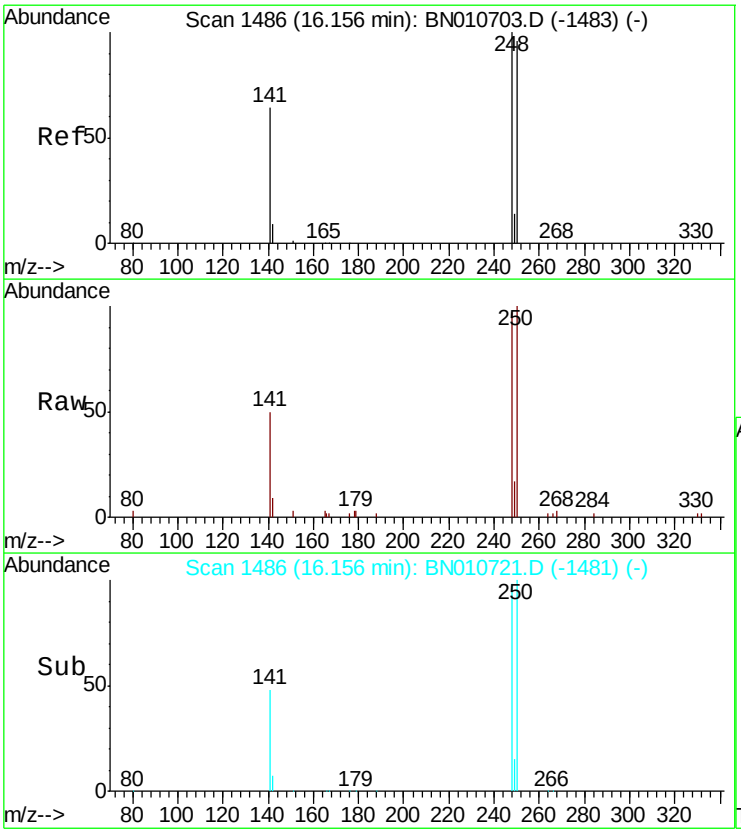
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 17447

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.3	9.5

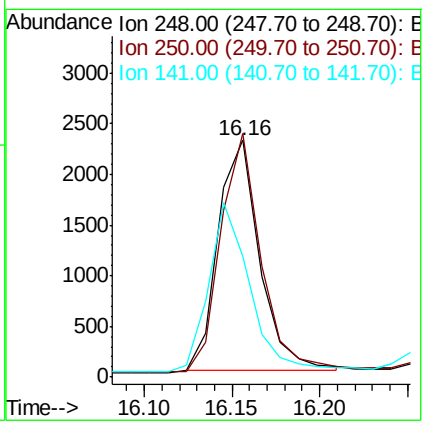


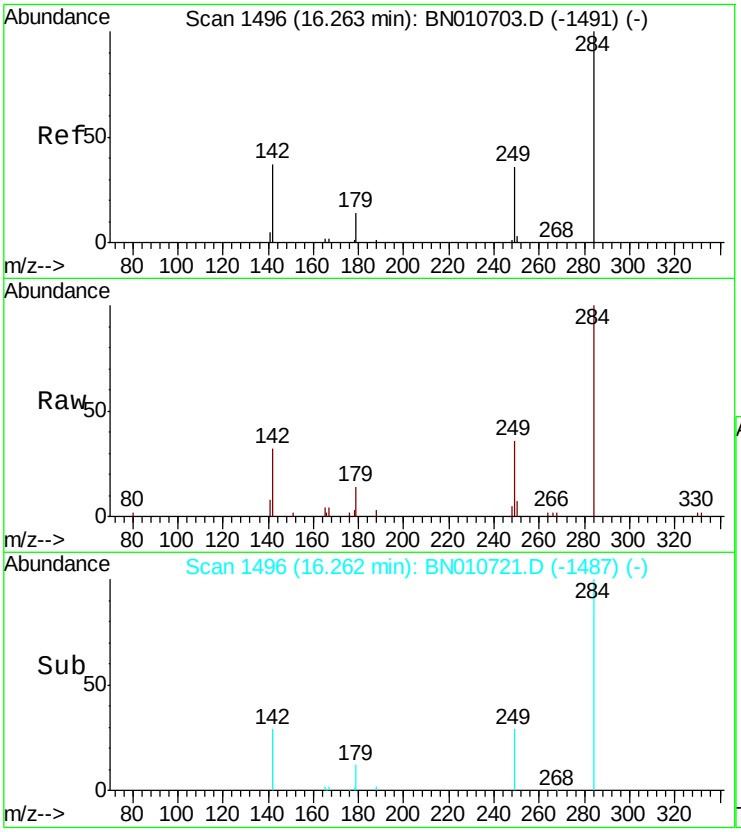


#20
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 16.16 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:248 Resp: 3742

Ion	Ratio	Lower	Upper
248	100		
250	102.7	77.4	116.0
141	50.9	53.1	79.7#



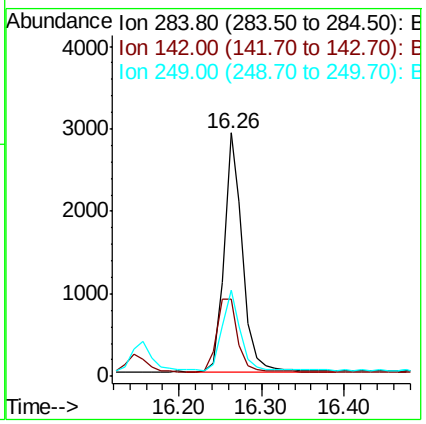


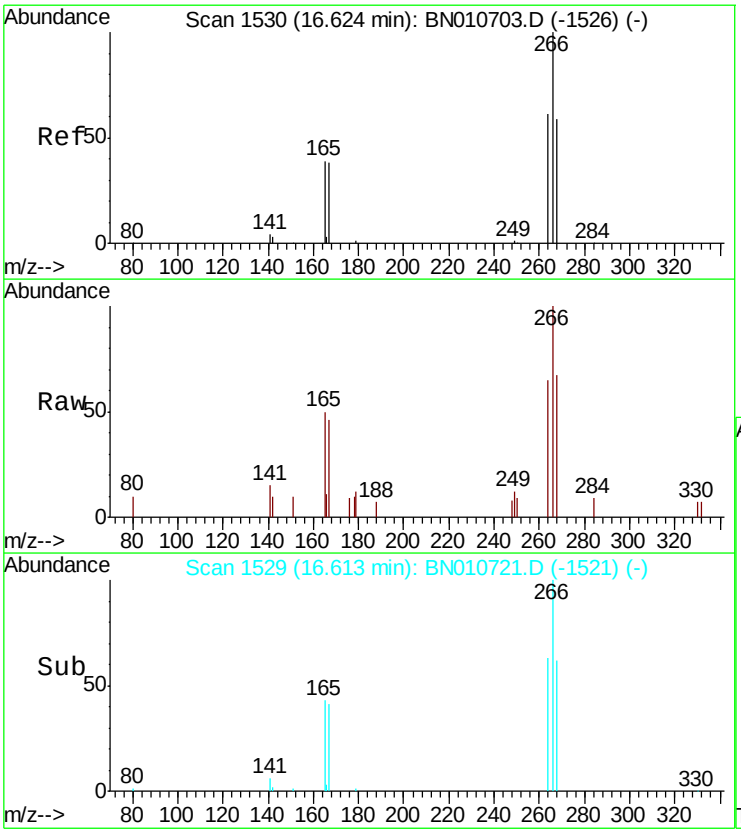
#21
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4527

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.2	42.2
249	33.5	26.4	39.6

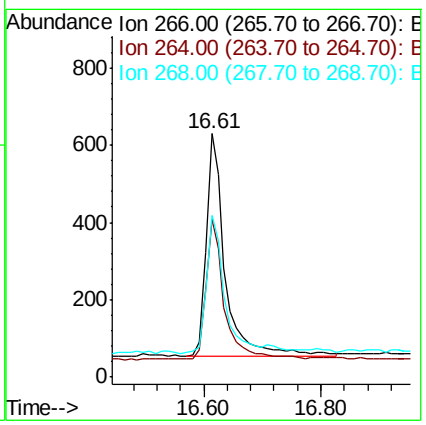


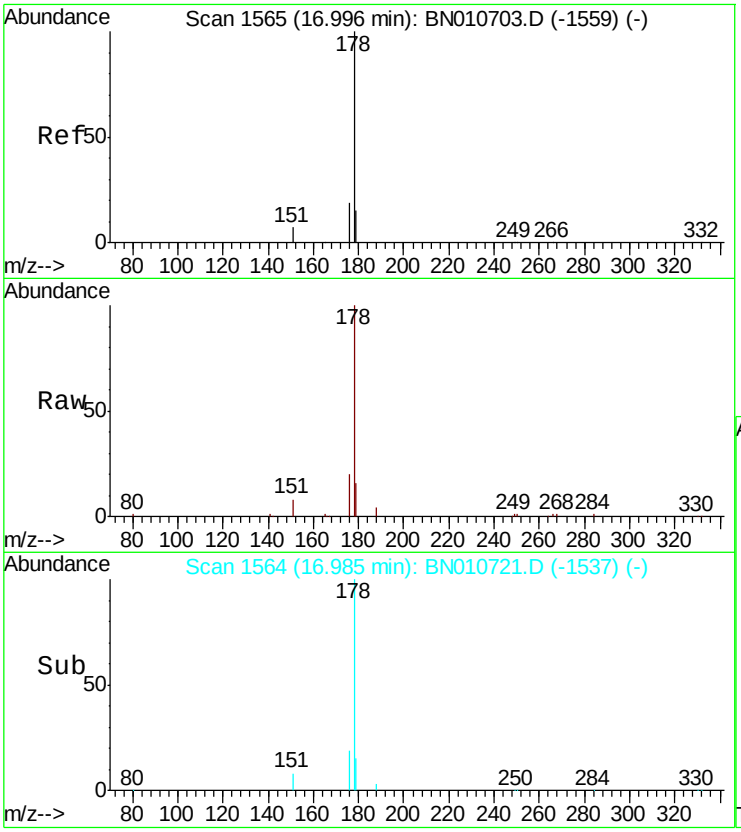


#22
Pentachlorophenol
Concen: 0.363 ng
RT: 16.61 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:266 Resp: 1288

Ion	Ratio	Lower	Upper
266	100		
264	65.1	51.1	76.7
268	66.7	52.1	78.1



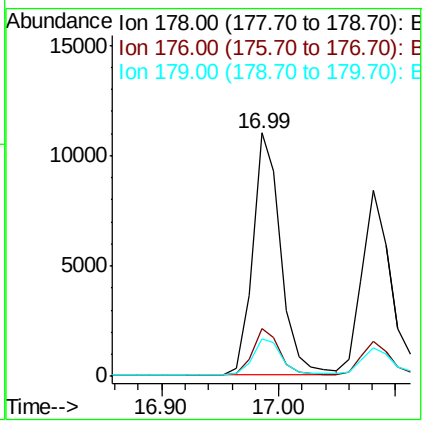


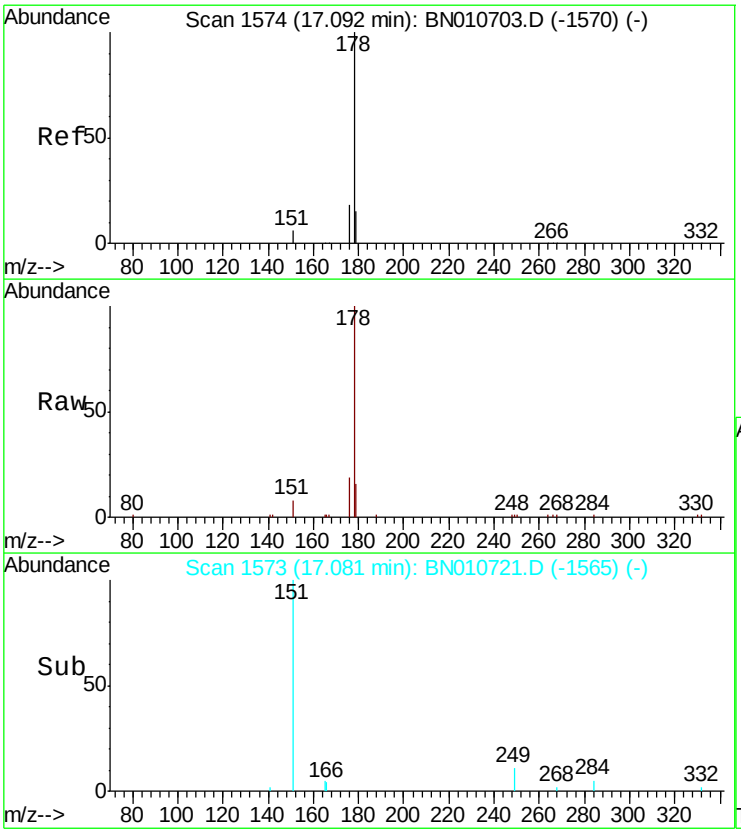
#23
Phenanthrene
Concen: 0.390 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 18263

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.6	12.2	18.4

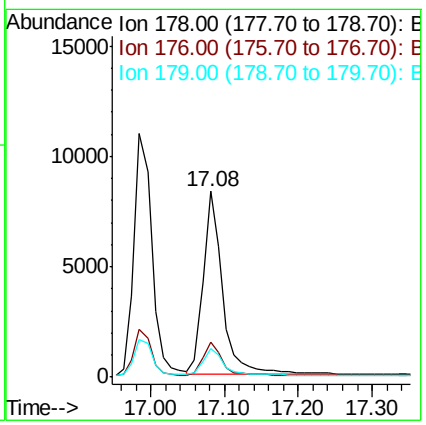


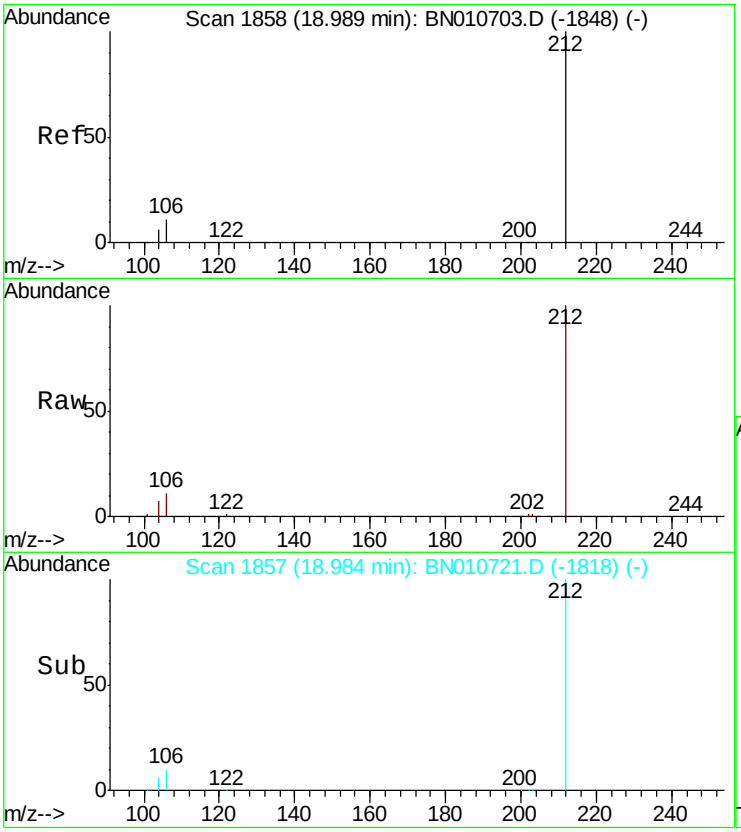


#24
Anthracene
Concen: 0.378 ng
RT: 17.08 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:178 Resp: 14853

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.0	12.3	18.5



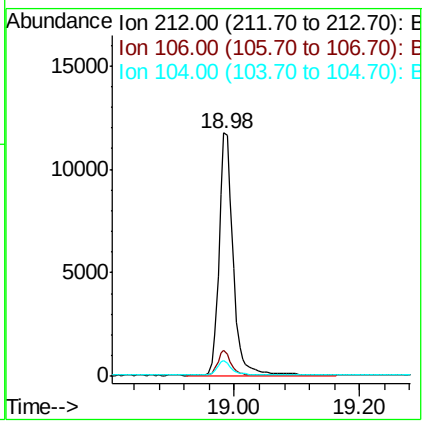


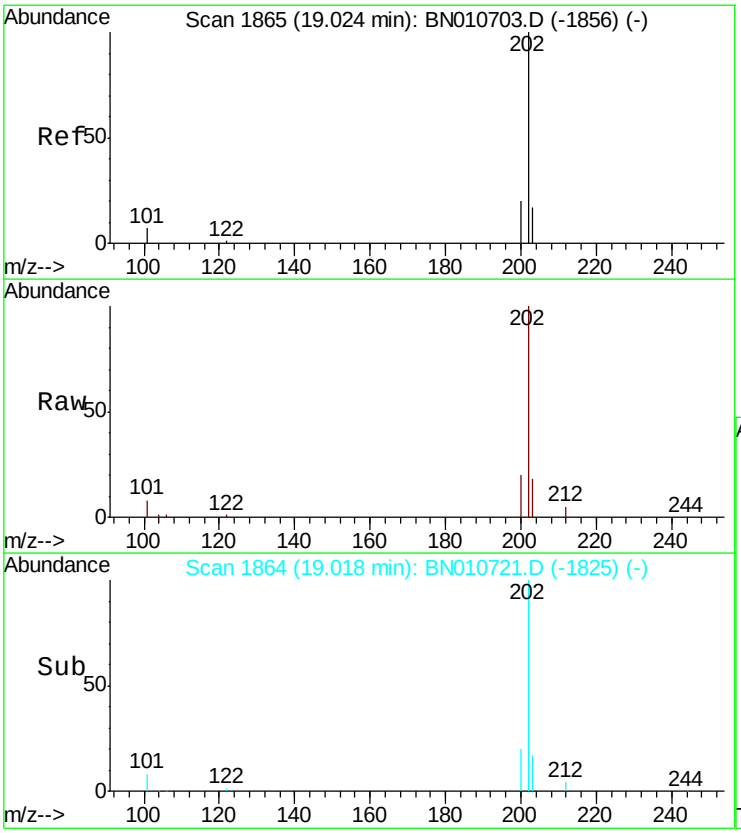
#25
Fluoranthene-d10
Concen: 0.388 ng
RT: 18.98 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 18357

Ion	Ratio	Lower	Upper
212	100		
106	9.8	8.2	12.2
104	5.5	4.7	7.1

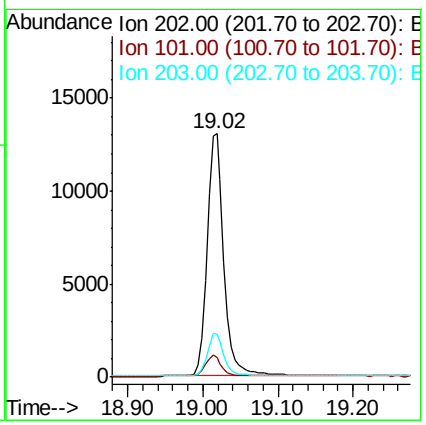


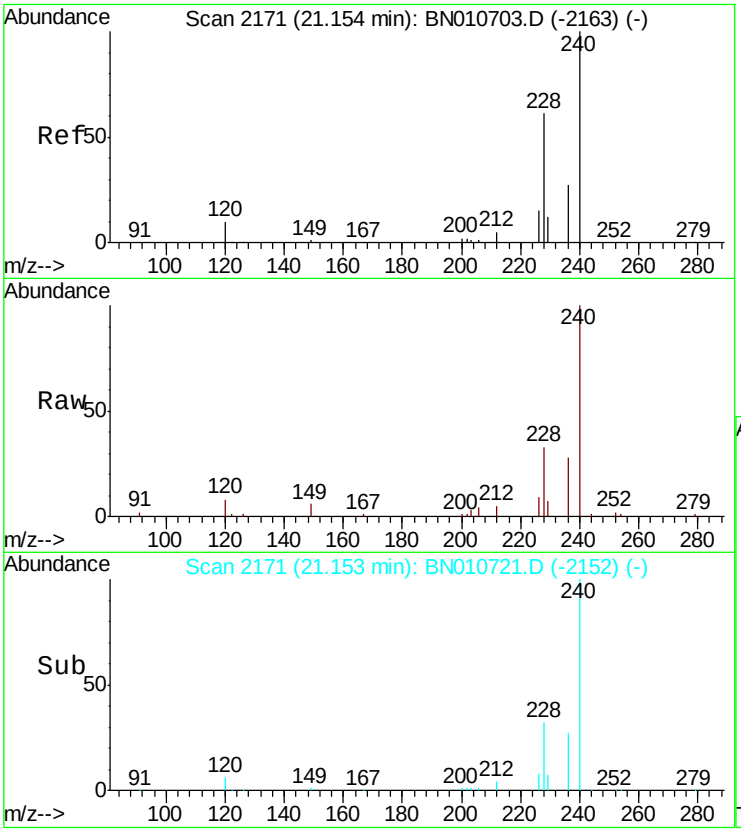


#26
Fluoranthene
Concen: 0.387 ng
RT: 19.02 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:202 Resp: 20561

Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.7	10.1
203	17.2	13.4	20.0



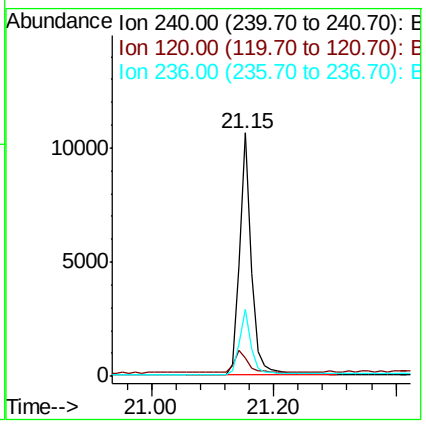


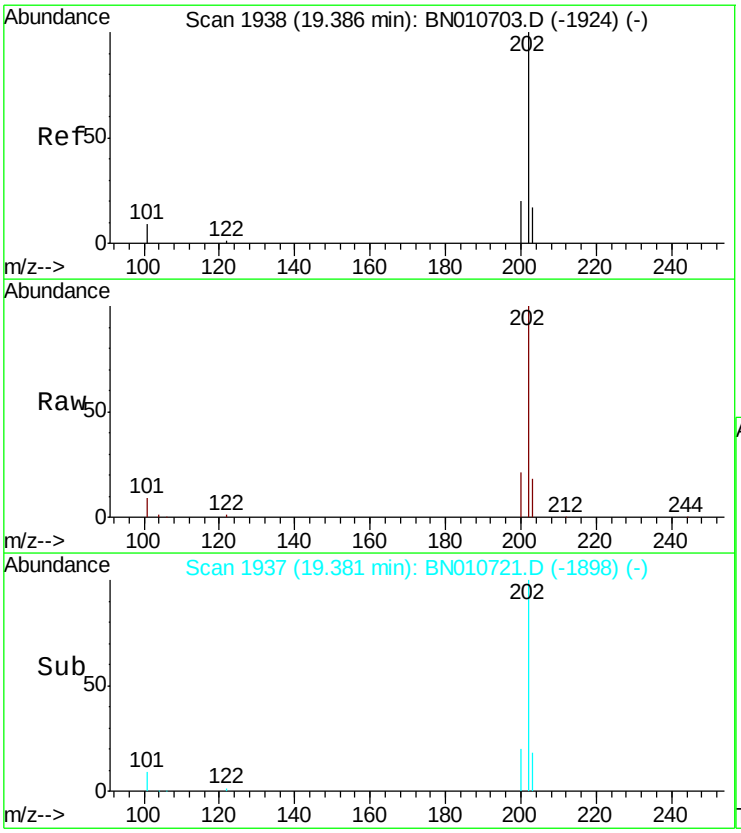
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 14560

Ion	Ratio	Lower	Upper
240	100		
120	7.7	9.5	14.3#
236	27.5	22.5	33.7

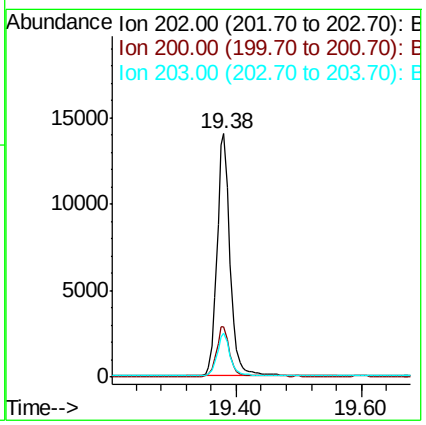


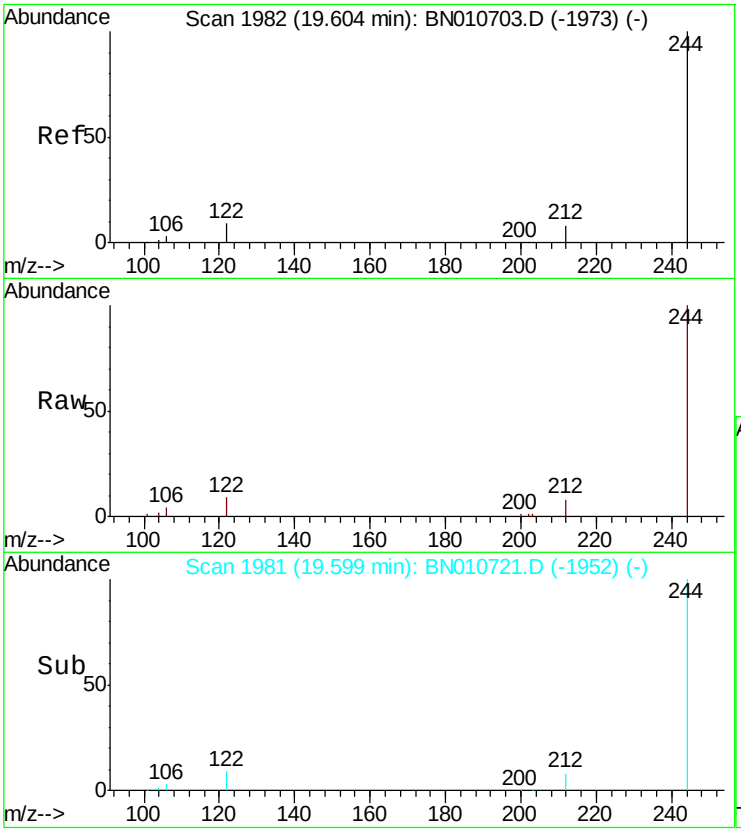


#28
Pyrene
Concen: 0.393 ng
RT: 19.38 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:202 Resp: 20513

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.3	14.1	21.1



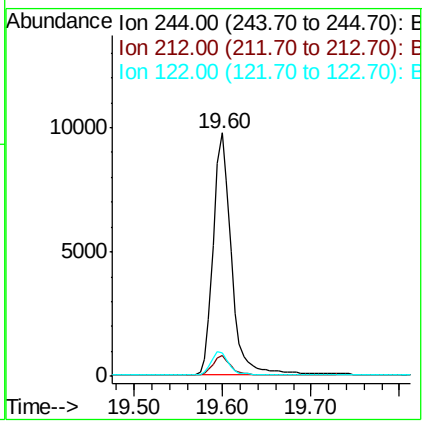


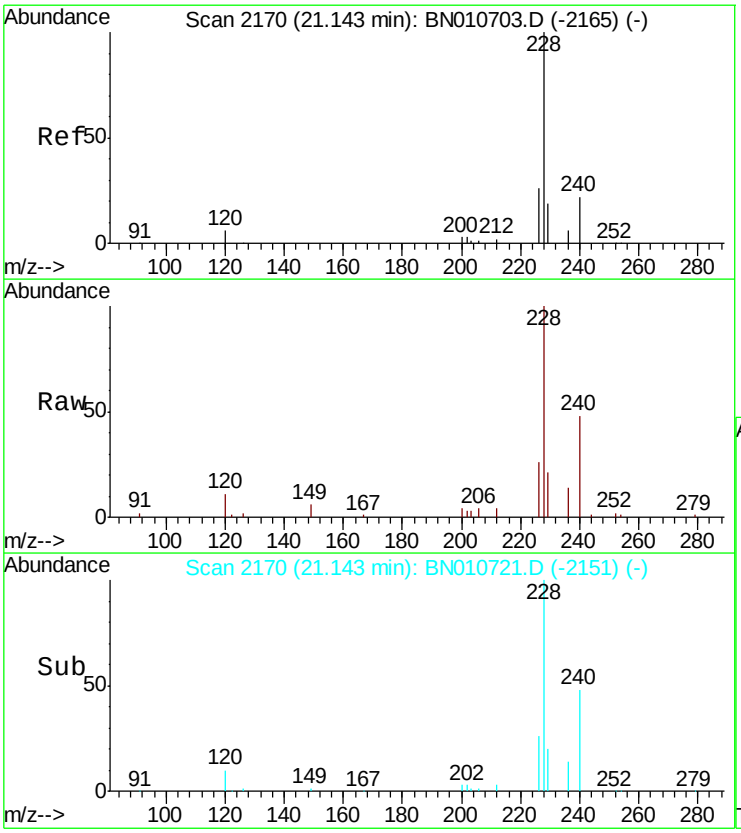
#29
Terphenyl-d14
Concen: 0.406 ng
RT: 19.60 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 14038

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.8	10.2
122	9.4	8.1	12.1

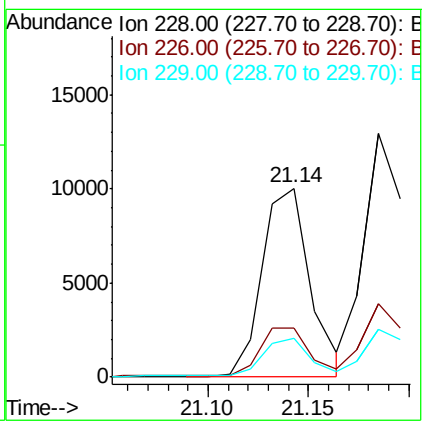


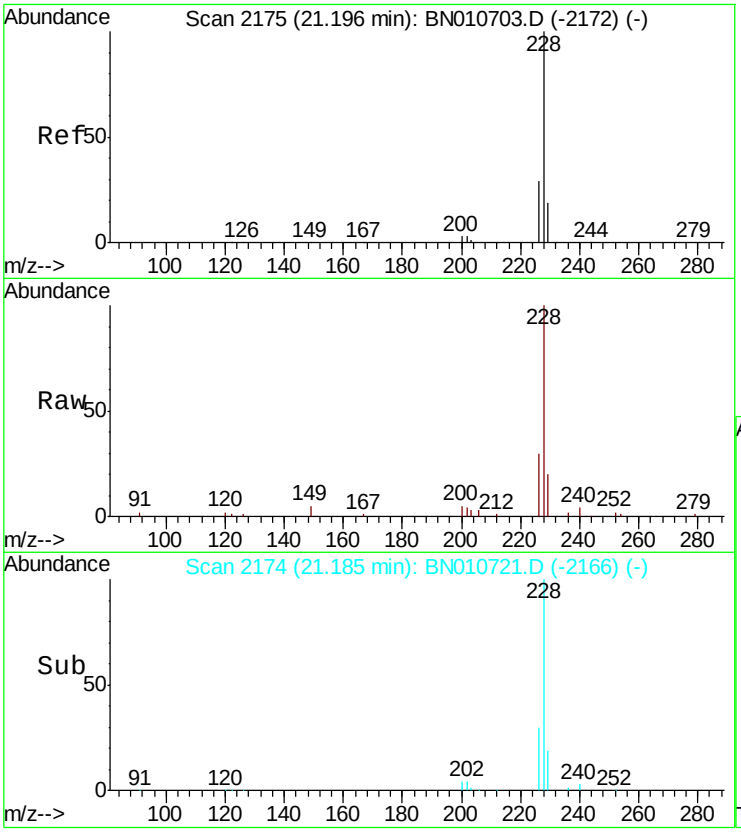


#30
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.14 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:228 Resp: 16496

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.3	31.9
229	20.5	16.0	24.0



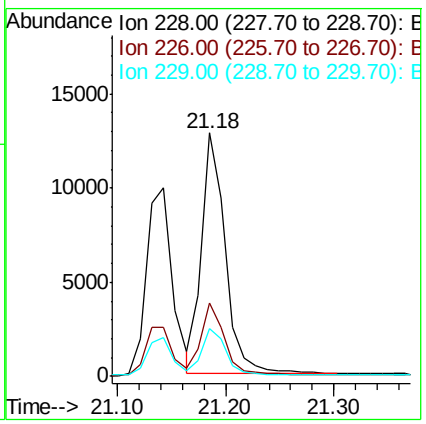


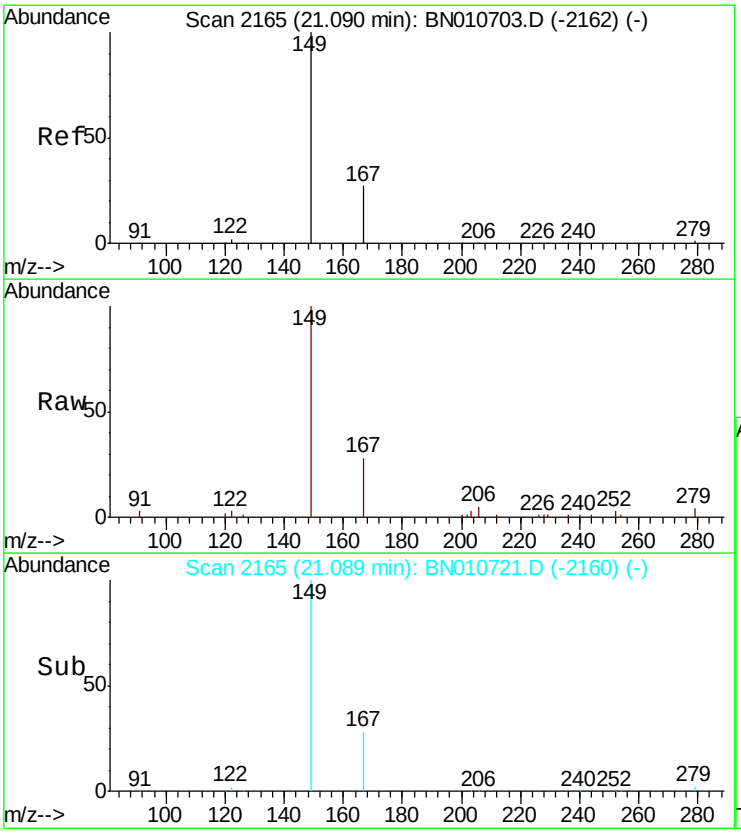
#31
Chrysene
Concen: 0.401 ng
RT: 21.18 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 19289

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.0
229	19.6	16.1	24.1

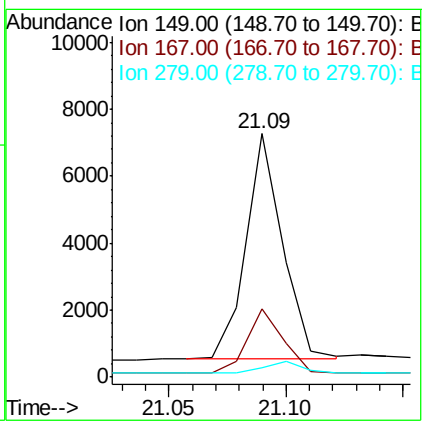


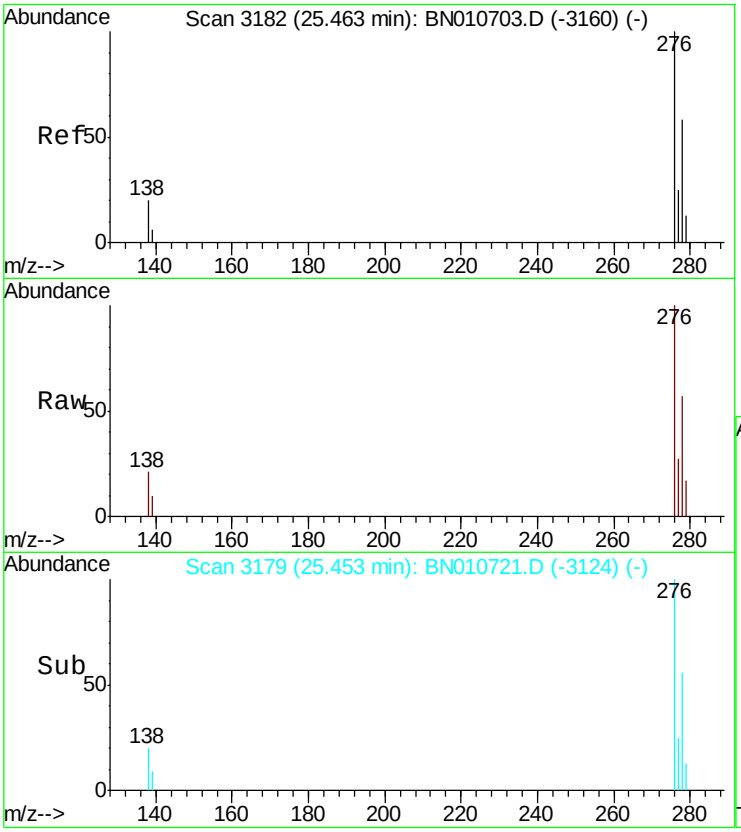


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:149 Resp: 7347

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.5	33.7
279	5.1	4.1	6.1



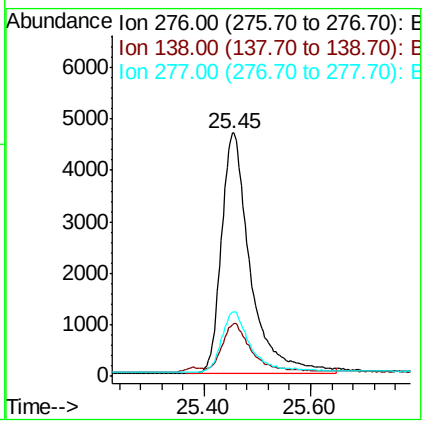


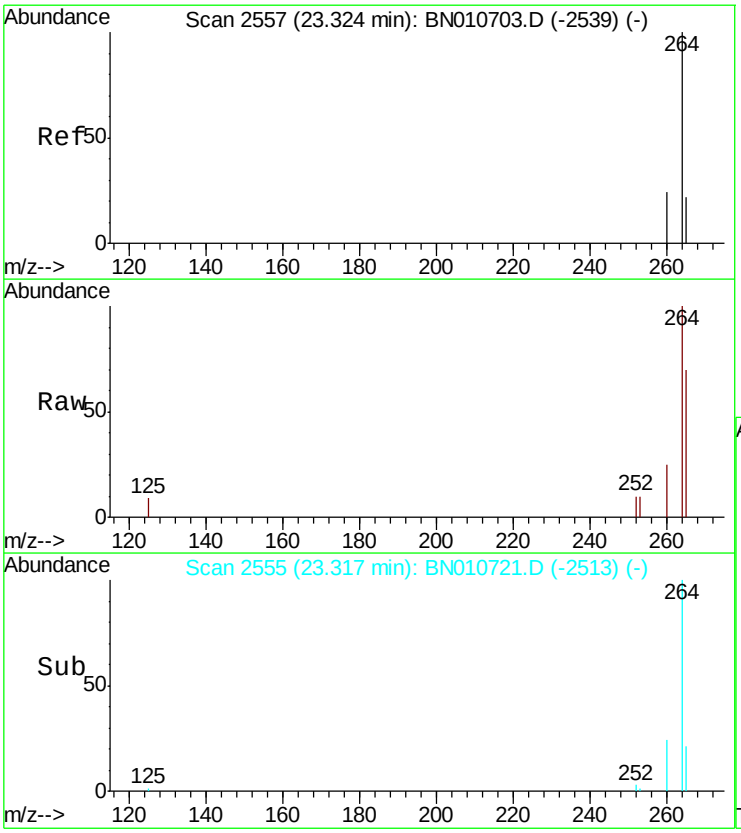
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.413 ng
RT: 25.45 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 17674

Ion	Ratio	Lower	Upper
276	100		
138	18.6	15.1	22.7
277	24.8	19.4	29.0

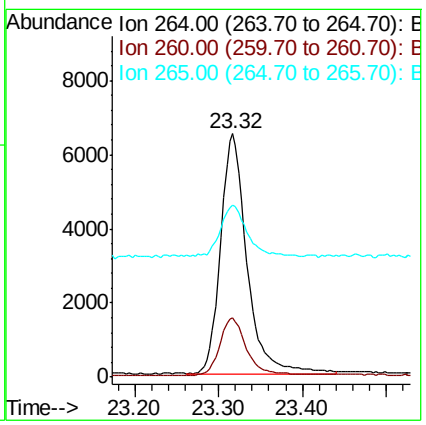


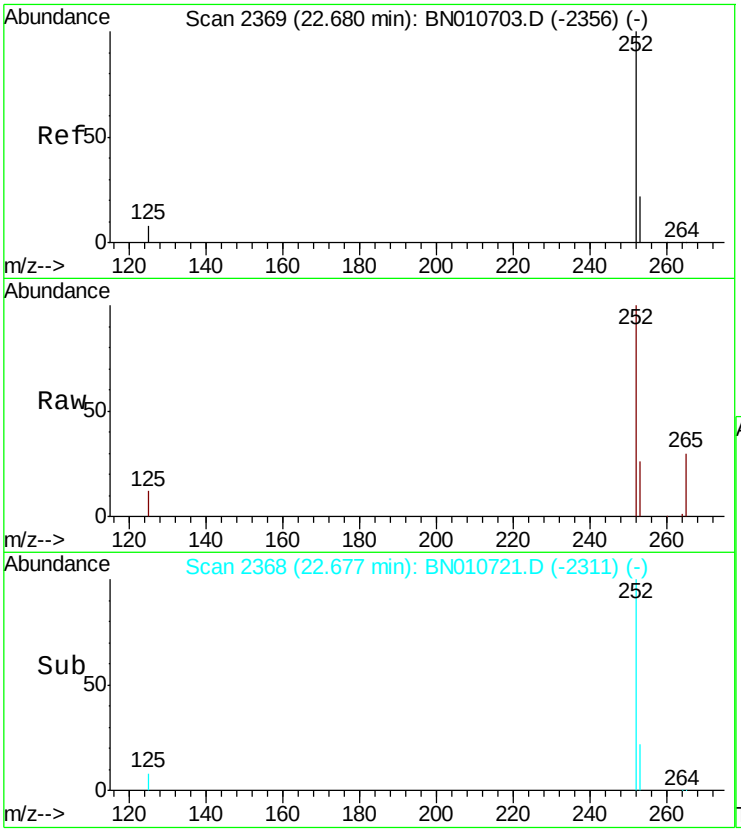


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:264 Resp: 14062

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	70.4	70.1	105.1



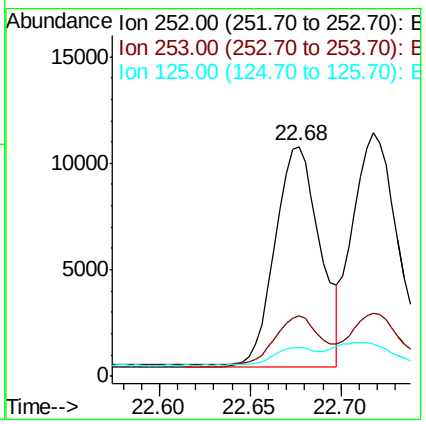


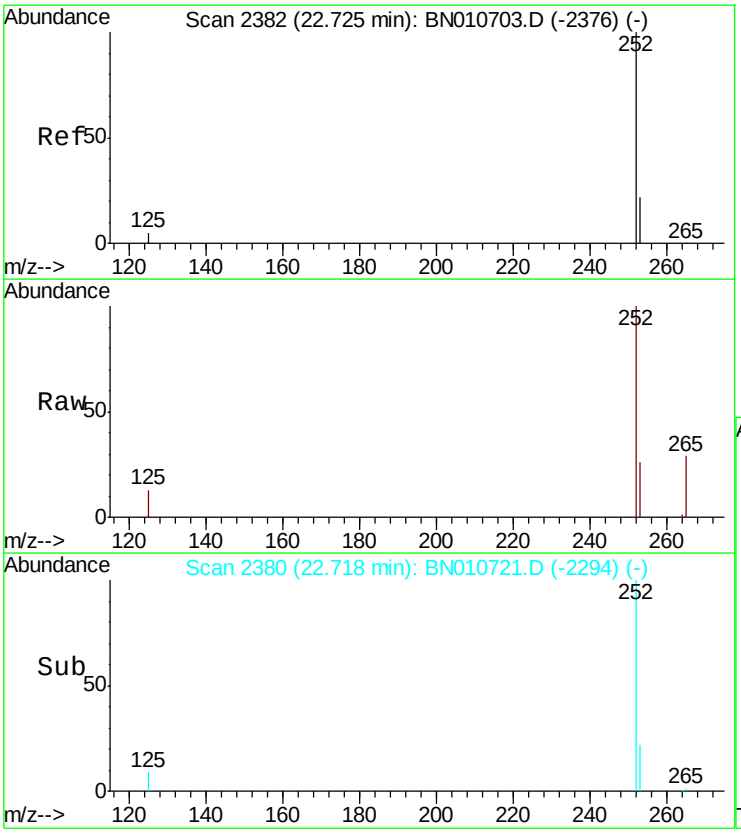
#35
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 22.68 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 17860

Ion	Ratio	Lower	Upper
252	100		
253	26.2	22.0	33.0
125	12.4	10.8	16.2

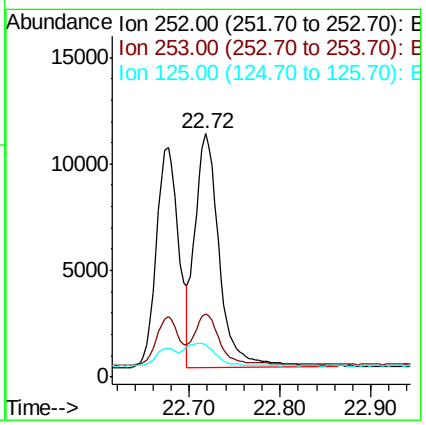


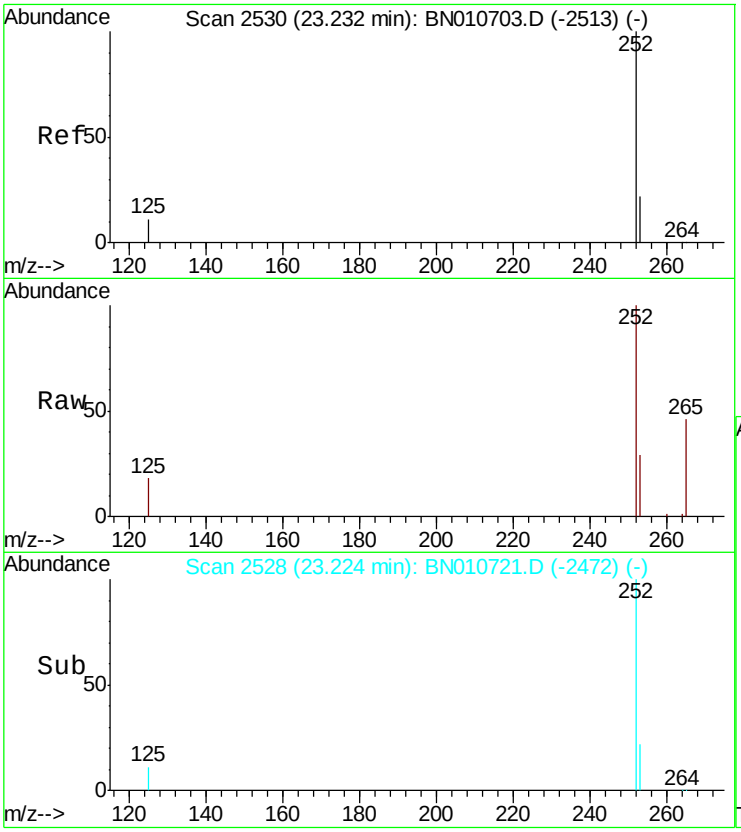


#36
Benzo(k)fluoranthene
Concen: 0.407 ng
RT: 22.72 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:252 Resp: 20362

Ion	Ratio	Lower	Upper
252	100		
253	26.1	21.9	32.9
125	13.3	11.1	16.7



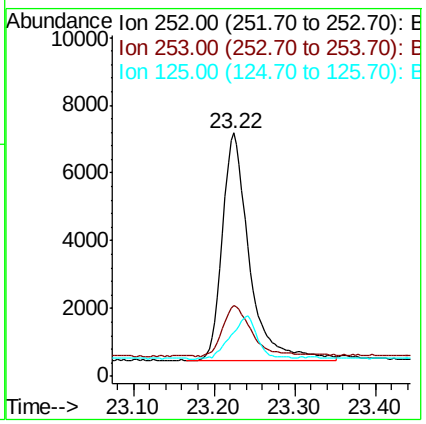


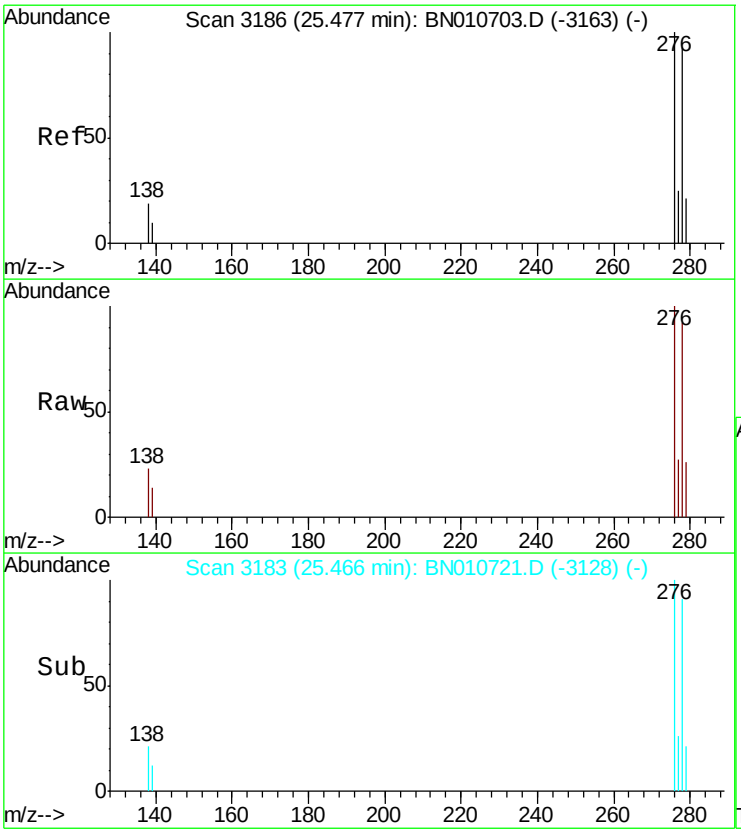
#37
Benzo(a)pyrene
Concen: 0.392 ng
RT: 23.22 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 15777

Ion	Ratio	Lower	Upper
252	100		
253	29.0	24.8	37.2
125	18.0	15.8	23.6

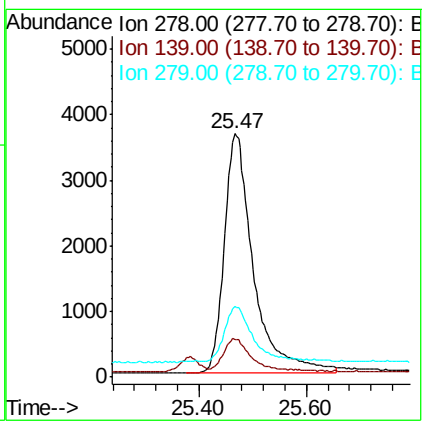


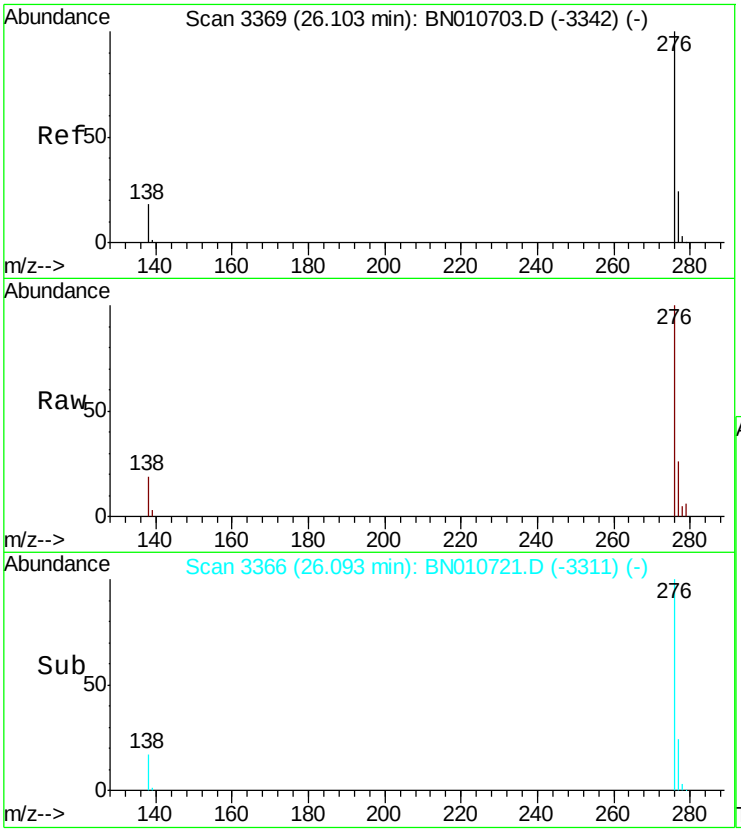


#38
Dibenzo(a,h)anthracene
Concen: 0.400 ng
RT: 25.47 min Scan# 3183
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Tgt Ion:278 Resp: 13735

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.0	19.4
279	28.8	25.1	37.7





#39
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 26.09 min Scan# 3366
Delta R.T. -0.01 min
Lab File: BN010721.D
Acq: 14 May 2020 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 15213

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.6	30.8
138	19.2	16.0	24.0