Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051520\
Data File : BN010723.D
Acq On : 15 May 2020 10:03
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: May 15 10:36:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 10:34:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3419	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	13800	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	8530	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	17947	0.40	ng		0.00
27) Chrysene-d12	21.16	240	13612	0.40	ng		0.00
34) Perylene-d12	23.32	264	12654	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2771	0.41	ng		0.00
5) Phenol-d6	6.77	99	3449	0.42	ng		0.00
8) Nitrobenzene-d5	8.71	82	3731	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	8964	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.70	330	1119	0.36	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	12497	0.40	ng		0.00
25) Fluoranthene-d10	18.99	212	17954	0.37	ng		0.00
29) Terphenyl-d14	19.60	244	13440	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	1133	0.38	ng		99
3) n-Nitrosodimethylamine	3.58	42	604	0.36	ng	#	97
6) bis(2-Chloroethyl)ether	7.02	93	3570	0.42	ng		100
9) Naphthalene	10.38	128	13830	0.40	ng		100
10) Hexachlorobutadiene	10.67	225	3120	0.39	ng	#	100
12) 2-Methylnaphthalene	12.00	142	9809	0.40	ng		97
16) Acenaphthylene	13.91	152	13050	0.37	ng		100
17) Acenaphthene	14.26	154	9208	0.39	ng		100
18) Fluorene	15.26	166	11981	0.39	ng		100
20) 4-Bromophenyl-phenylether	16.15	248	3816	0.38	ng		100
21) Hexachlorobenzene	16.27	284	4599	0.39	ng		99
22) Pentachlorophenol	16.62	266	1502	0.41	ng		99
23) Phenanthrene	16.99	178	18571	0.39	ng		99
24) Anthracene	17.09	178	15158	0.37	ng		99
26) Fluoranthene	19.02	202	20224	0.37	ng		99
28) Pyrene	19.38	202	20006	0.41	ng		100
30) Benzo(a)anthracene	21.14	228	15377	0.39	ng		99
31) Chrysene	21.19	228	18367	0.41	ng		99
32) Bis(2-ethylhexyl)phthalate	21.09	149	6740	0.39	ng		99
33) Indeno(1,2,3-cd)pyrene	25.46	276	14671	0.37	ng		99
35) Benzo(b)fluoranthene	22.68	252	16100	0.38	ng		99
36) Benzo(k)fluoranthene	22.72	252	17751	0.39	ng		100
37) Benzo(a)pyrene	23.23	252	14221	0.39	ng		99
38) Dibenzo(a,h)anthracene	25.48	278	11304	0.37	ng		98
39) Benzo(g,h,i)perylene	26.10	276	13189	0.36	ng		100

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

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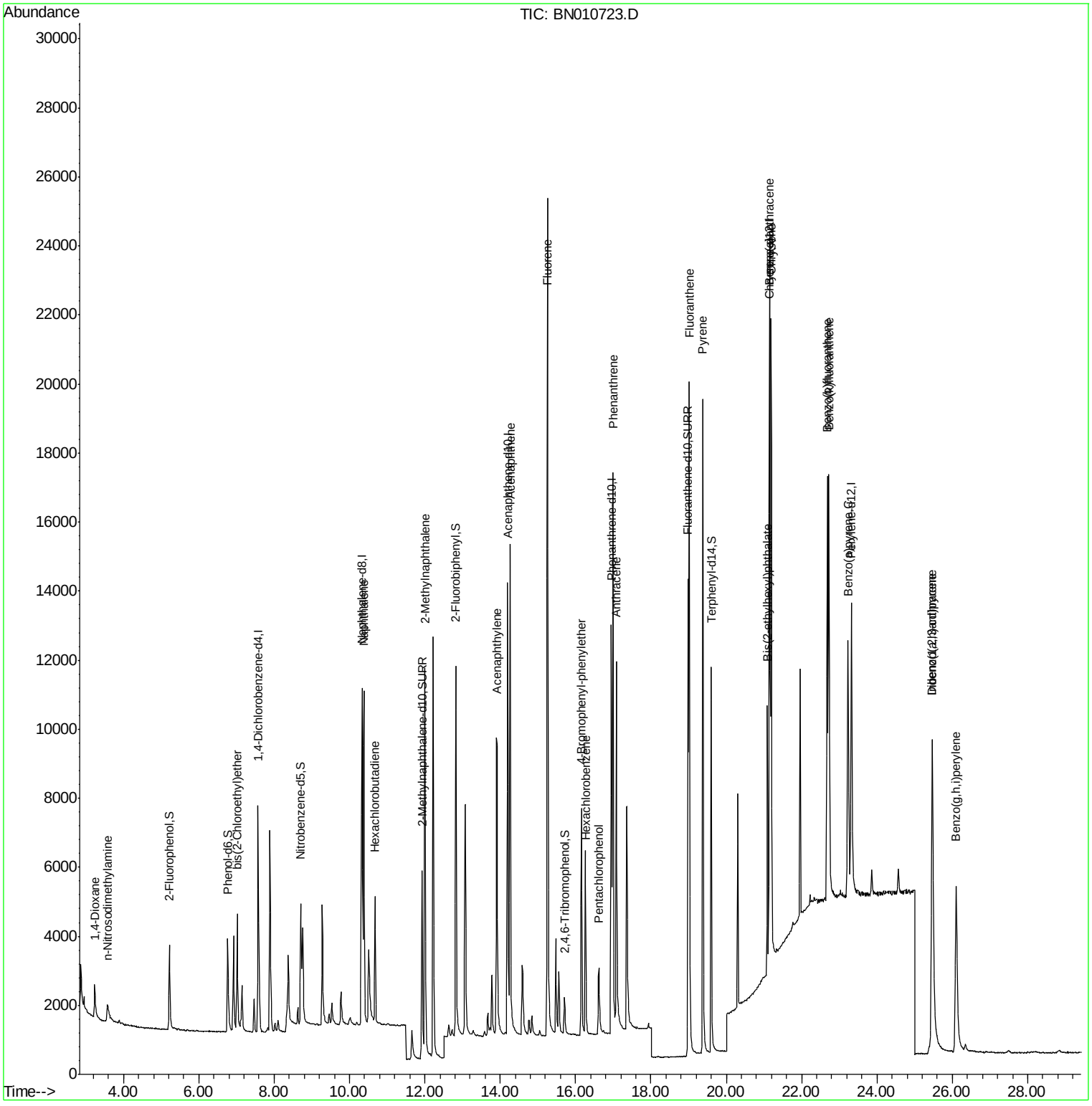
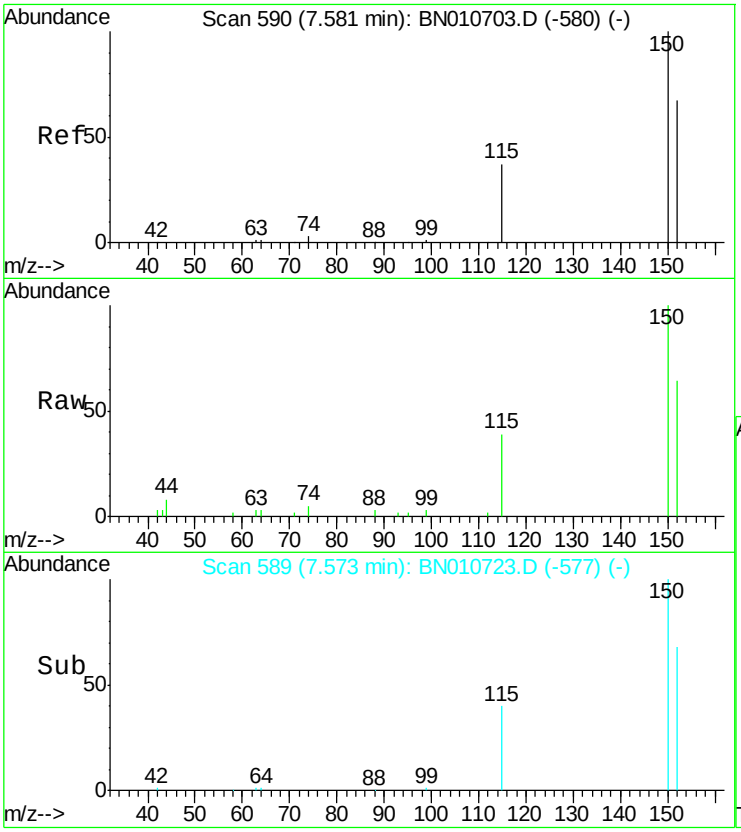
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 15 10:36:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 10:34:23 2020
Response via : Initial Calibration



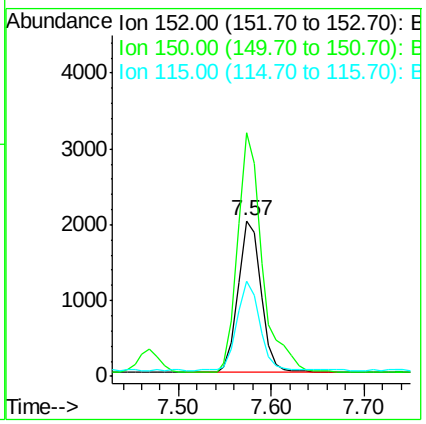


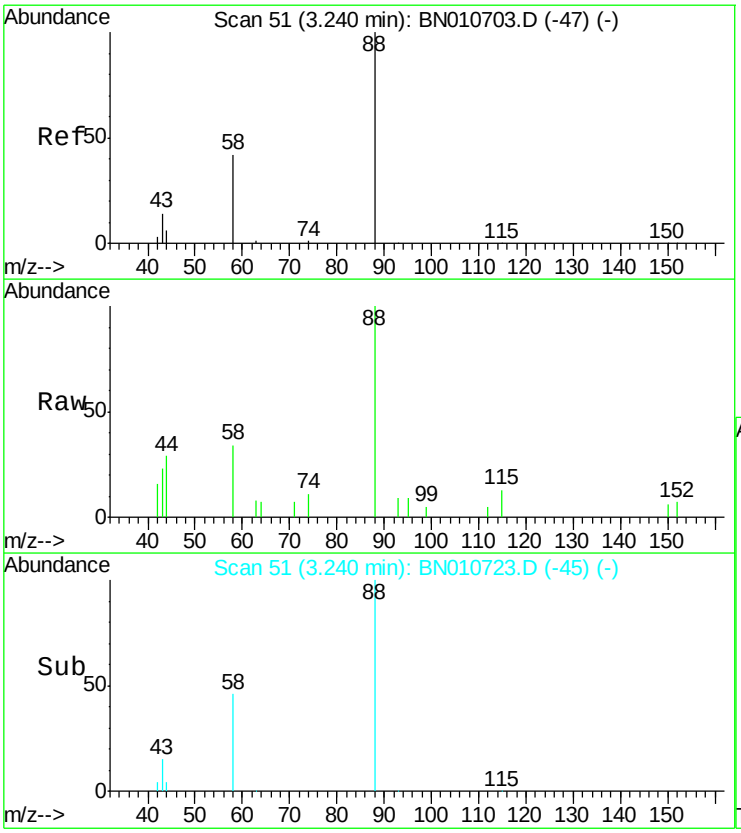
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.57 min Scan# 589
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3419

Ion	Ratio	Lower	Upper
152	100		
150	156.5	119.4	179.0
115	61.5	45.9	68.9

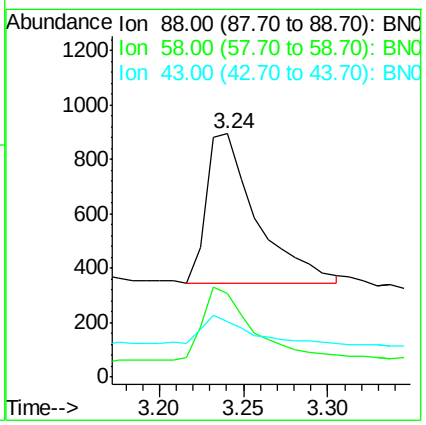


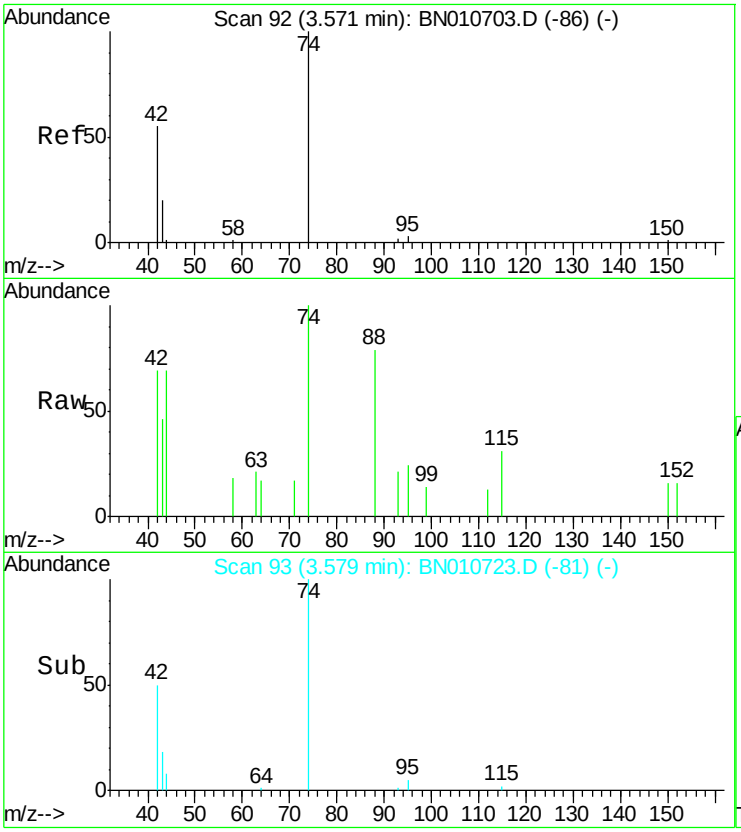


#2
1,4-Dioxane
Concen: 0.38 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion: 88 Resp: 1133

Ion	Ratio	Lower	Upper
88	100		
58	49.7	39.0	58.6
43	16.8	13.1	19.7



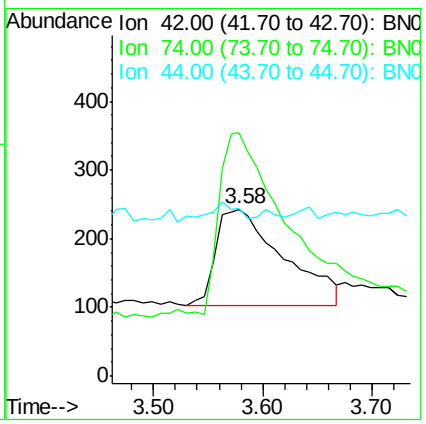


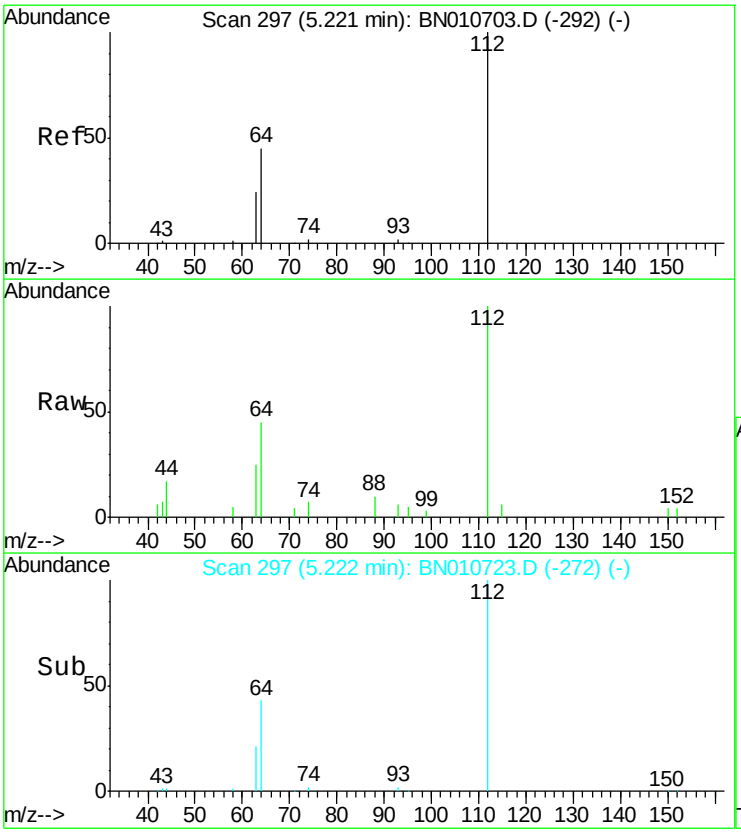
#3
n-Nitrosodimethylamine
Concen: 0.36 ng
RT: 3.58 min Scan# 93
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 604

Ion	Ratio	Lower	Upper
42	100		
74	187.3	146.2	219.2
44	6.1	3.0	4.4#

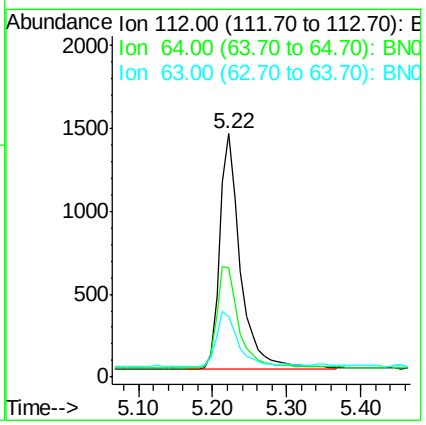


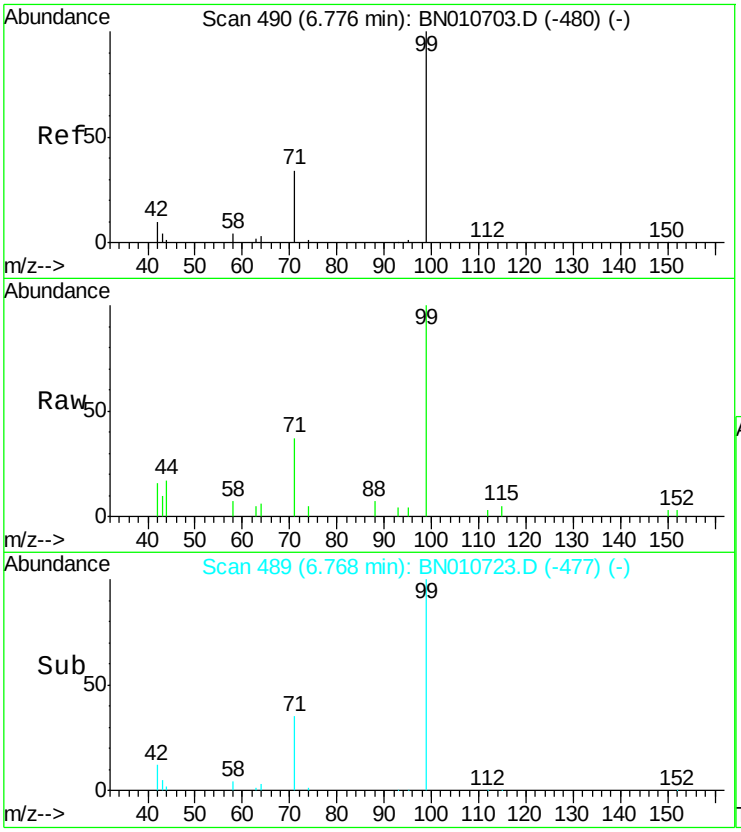


#4
2-Fluorophenol
Concen: 0.41 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:112 Resp: 2771

Ion	Ratio	Lower	Upper
112	100		
64	46.6	36.2	54.4
63	24.9	19.8	29.8



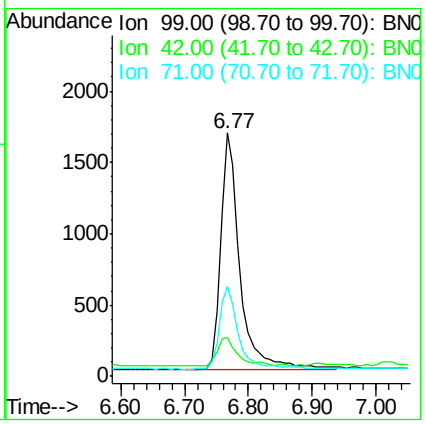


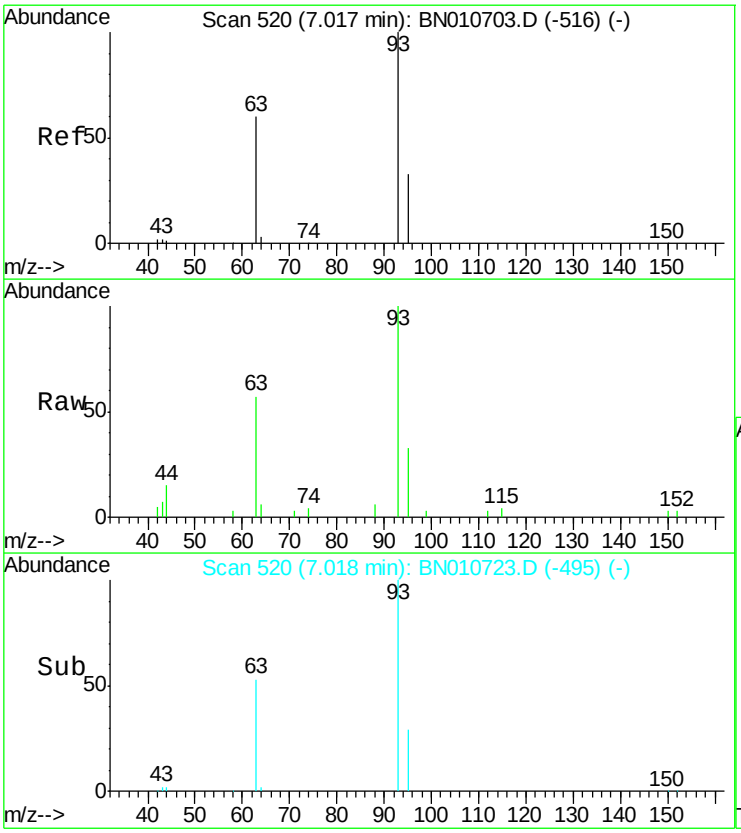
#5
Phenol-d6
Concen: 0.42 ng
RT: 6.77 min Scan# 489
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3449

Ion	Ratio	Lower	Upper
99	100		
42	13.7	9.8	14.8
71	34.9	28.6	42.8

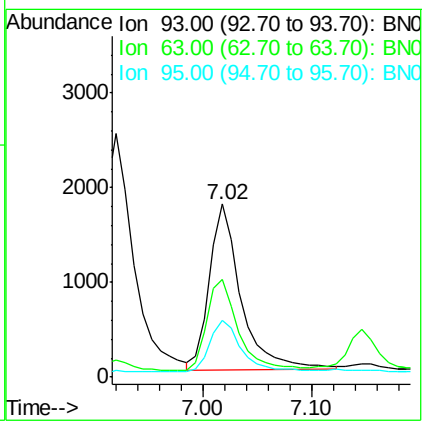


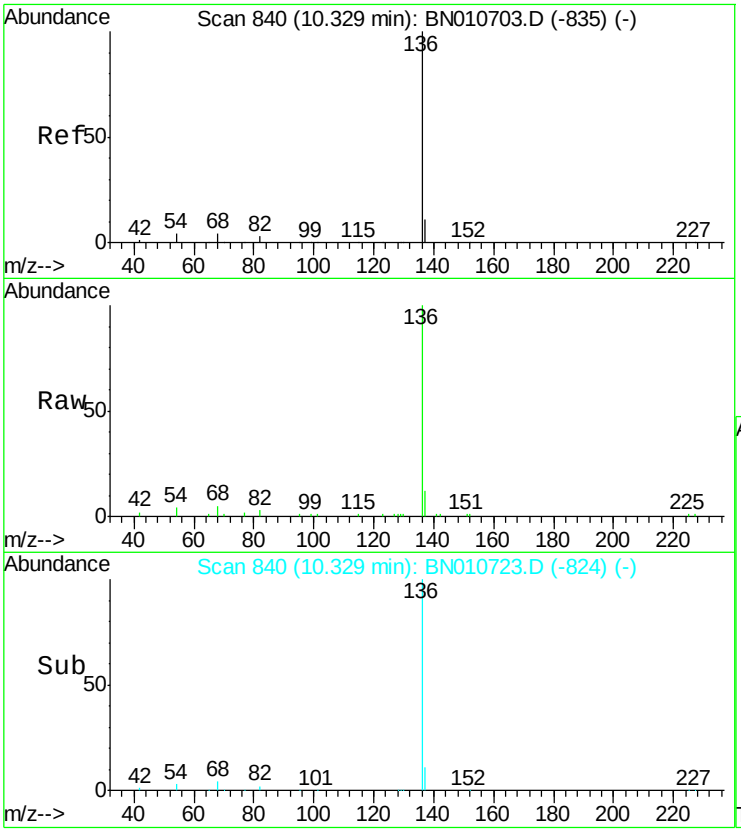


#6
bis(2-Chloroethyl)ether
Concen: 0.42 ng
RT: 7.02 min Scan# 520
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion: 93 Resp: 3570

Ion	Ratio	Lower	Upper
93	100		
63	54.0	43.1	64.7
95	31.1	24.6	37.0



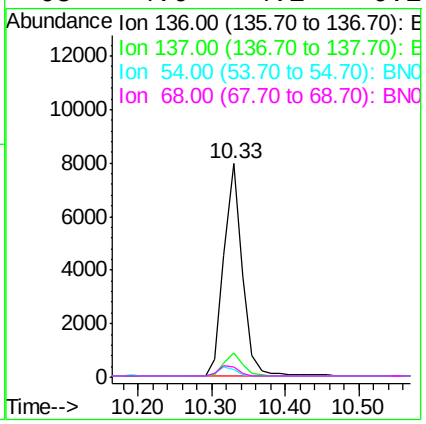


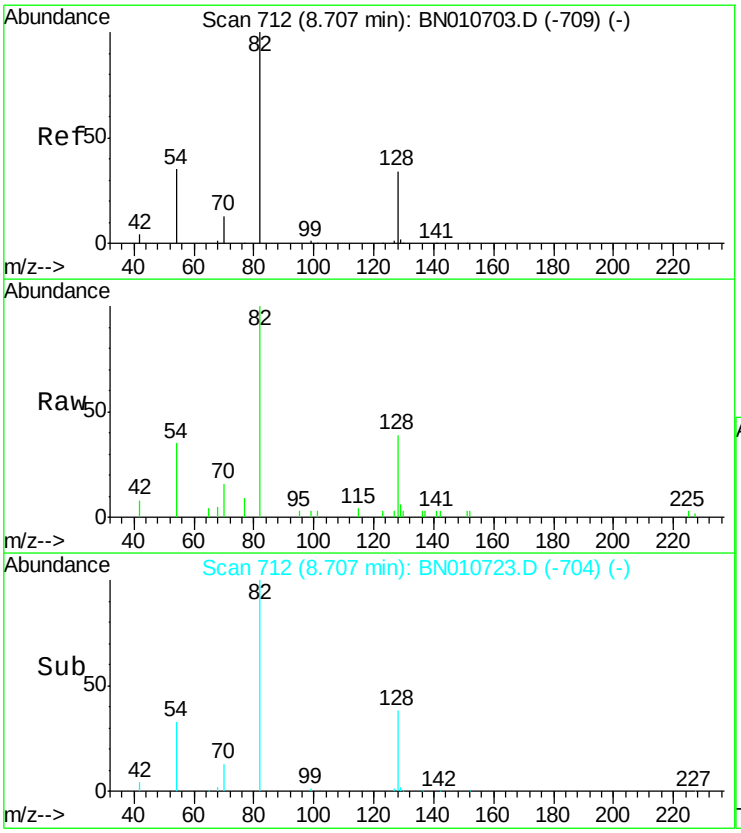
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 13800

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	3.8	3.6	5.4
68	4.6	4.1	6.1

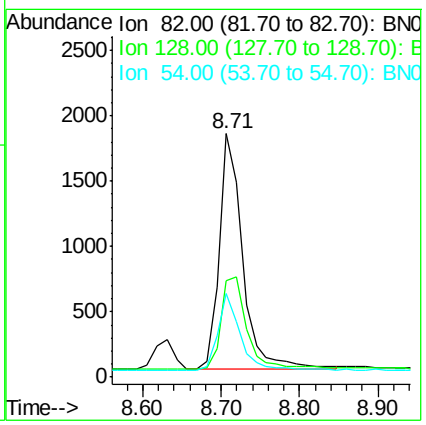


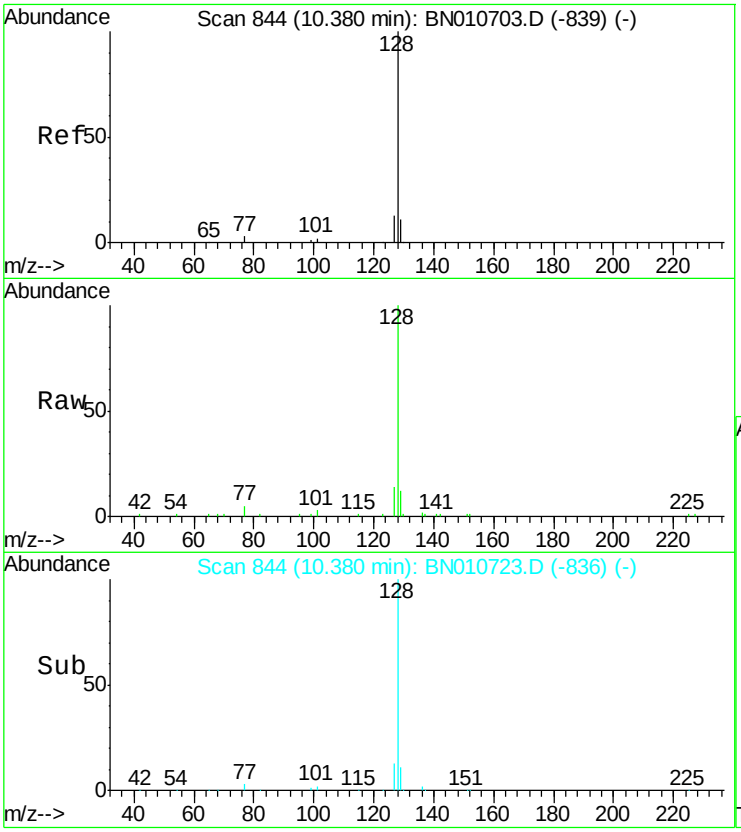


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.71 min Scan# 712
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion: 82 Resp: 3731

Ion	Ratio	Lower	Upper
82	100		
128	39.4	29.0	43.4
54	34.5	29.3	43.9



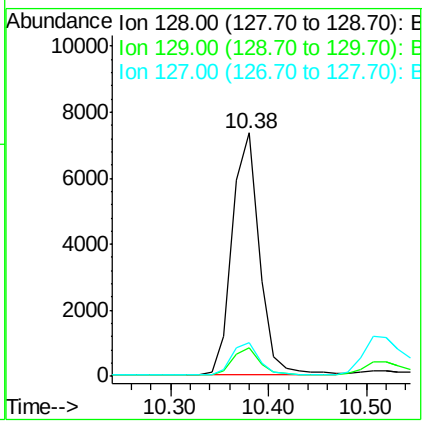


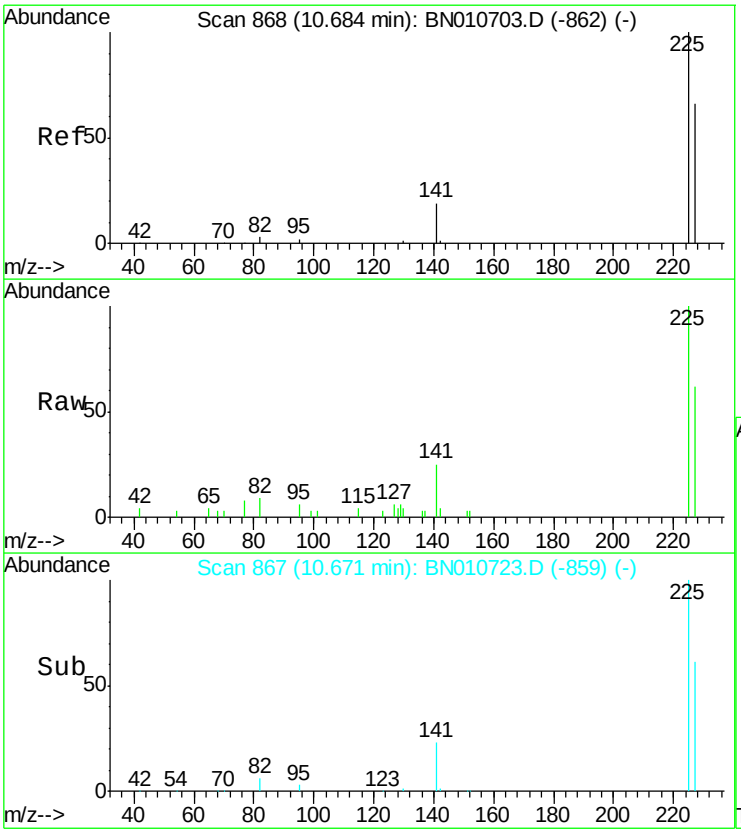
#9
Naphthalene
Concen: 0.40 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 13830

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.6	11.0	16.6

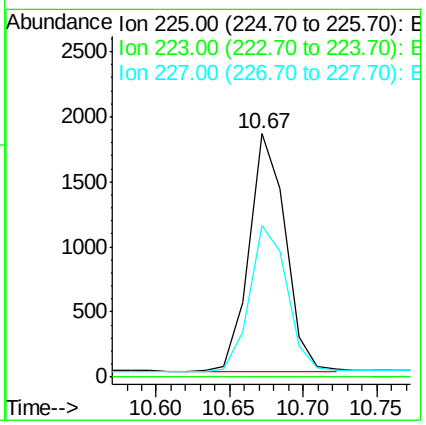


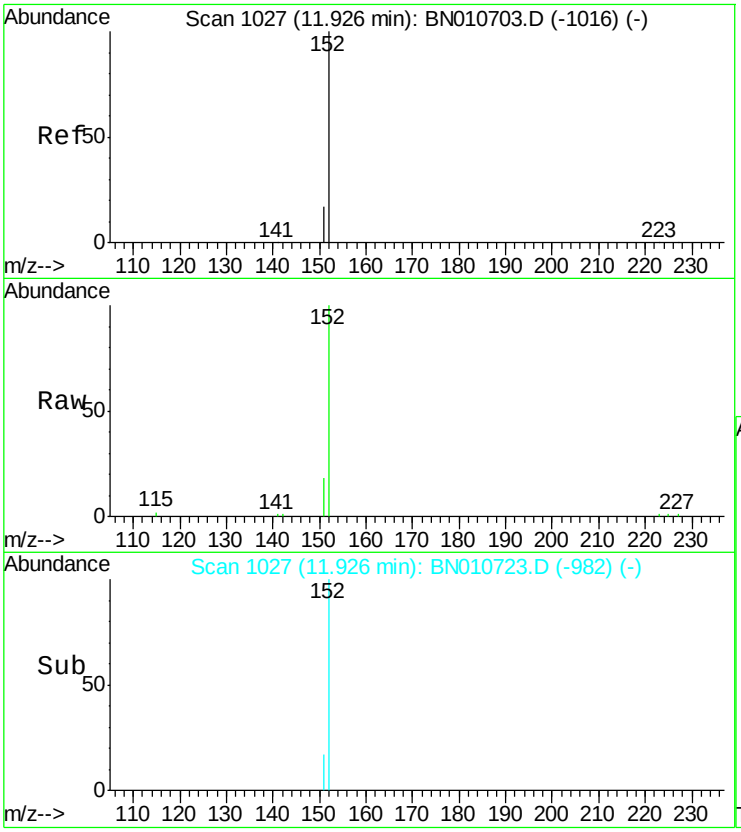


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 10.67 min Scan# 867
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:225 Resp: 3120

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.7	76.1



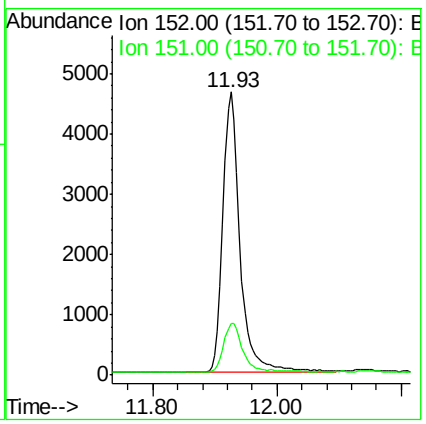


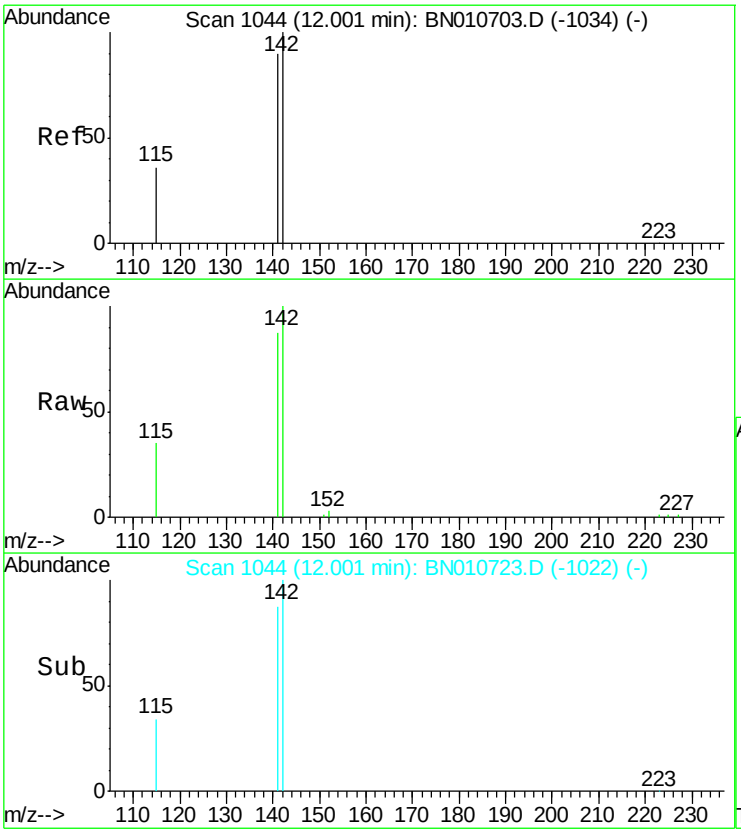
#11
2-Methylnaphthalene-d10
Concen: 0.40 ng
RT: 11.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8964

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.0	22.6

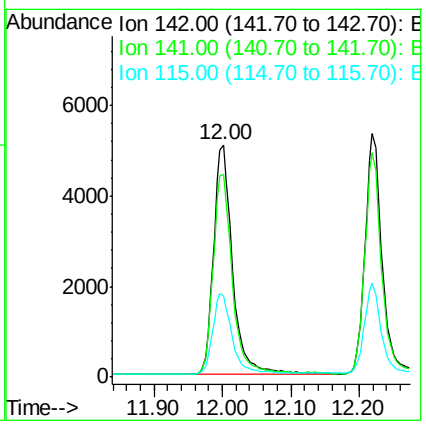


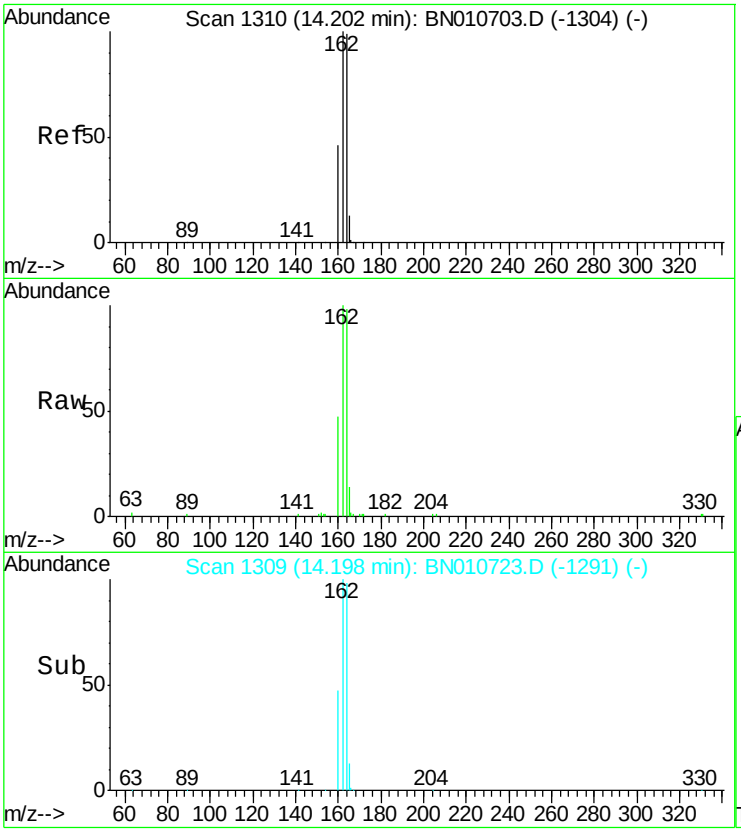


#12
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.00 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:142 Resp: 9809

Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.7	107.5
115	34.6	29.8	44.6



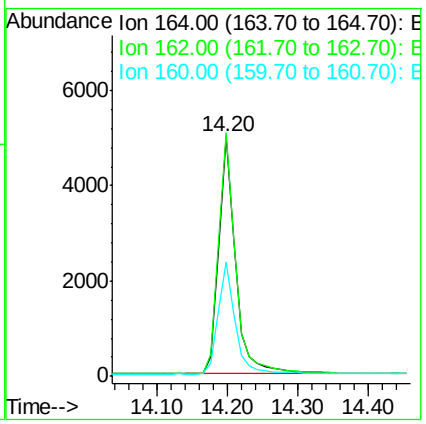


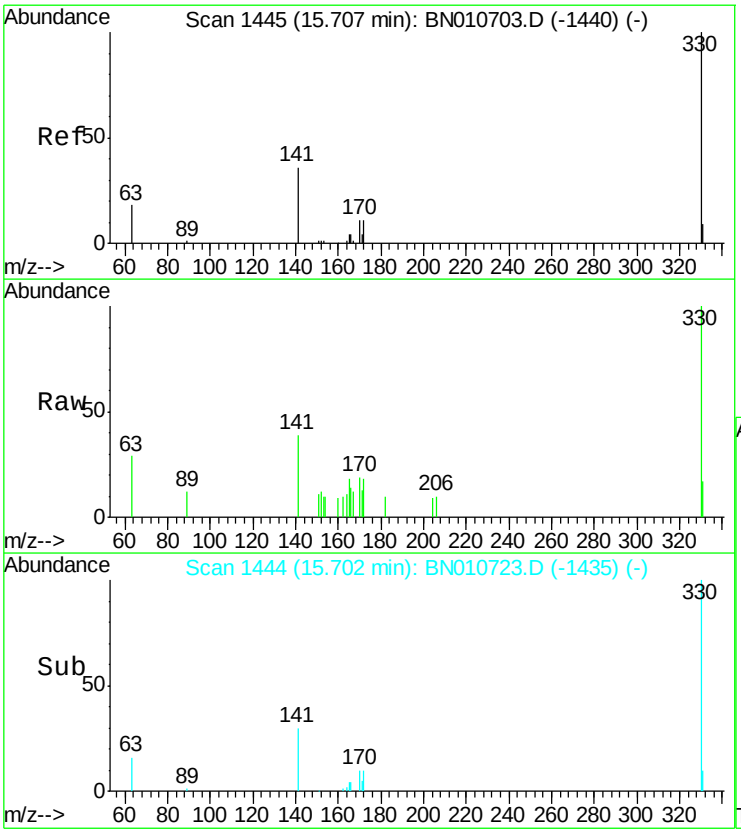
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.20 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8530

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.1	121.7
160	47.8	37.9	56.9

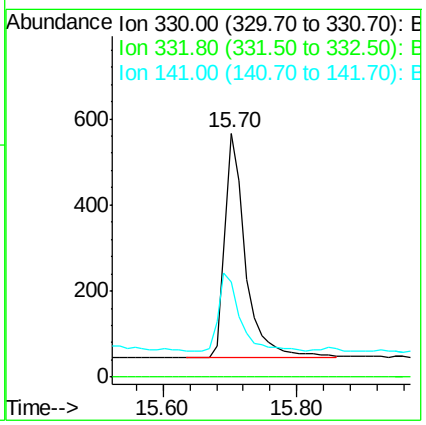


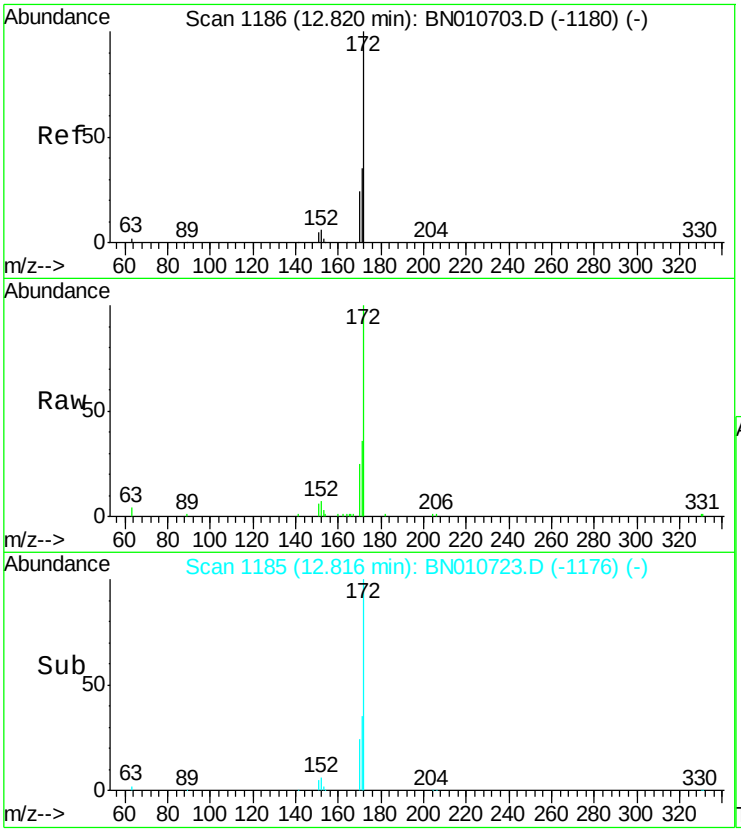


#14
2,4,6-Tribromophenol
Concen: 0.36 ng
RT: 15.70 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:330 Resp: 1119

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.1	28.8	43.2



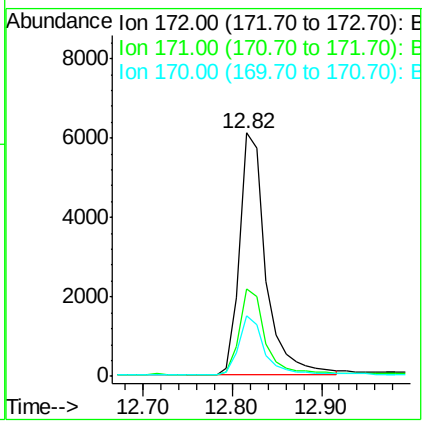


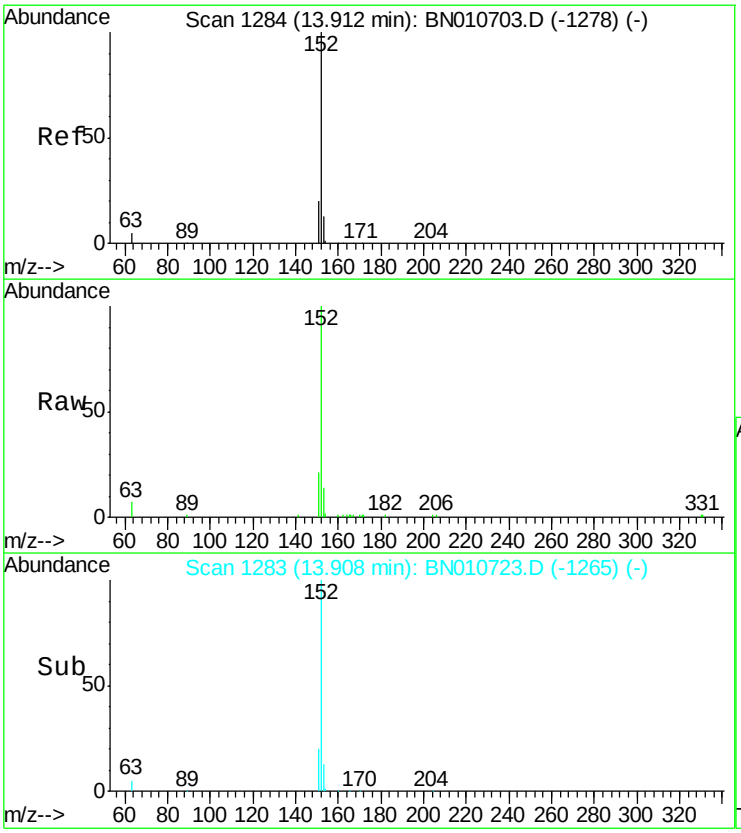
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.82 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 12497

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	42.8
170	24.7	19.8	29.8

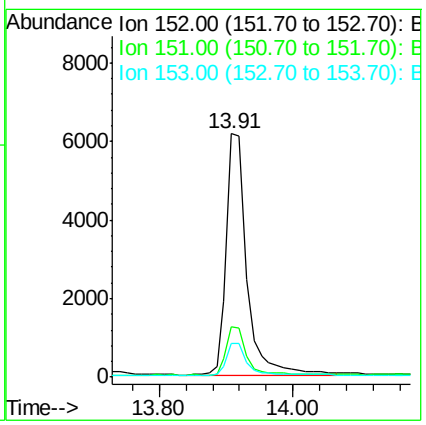


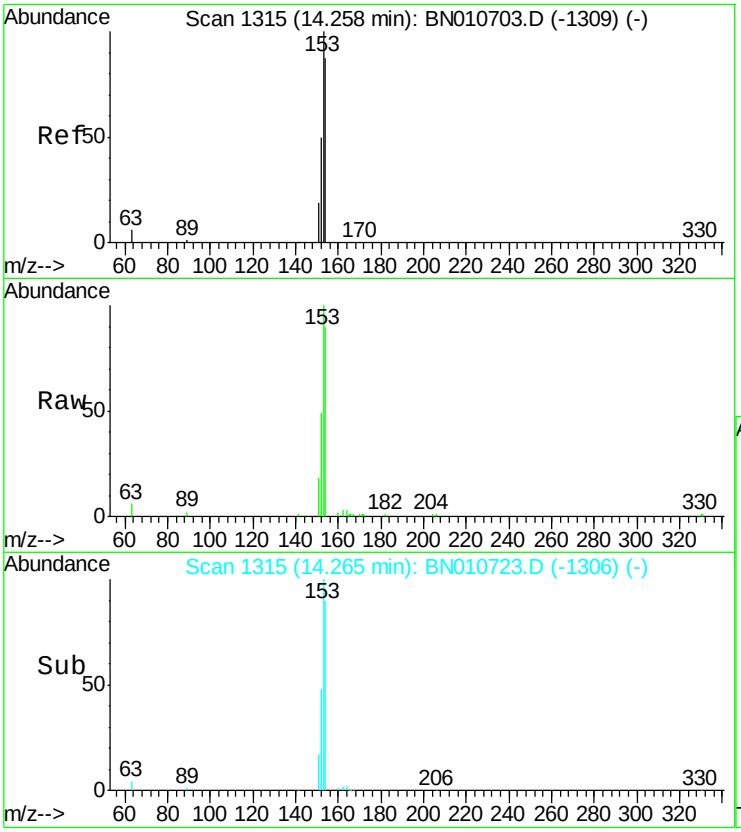


#16
Acenaphthylene
Concen: 0.37 ng
RT: 13.91 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:152 Resp: 13050

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.0	10.4	15.6



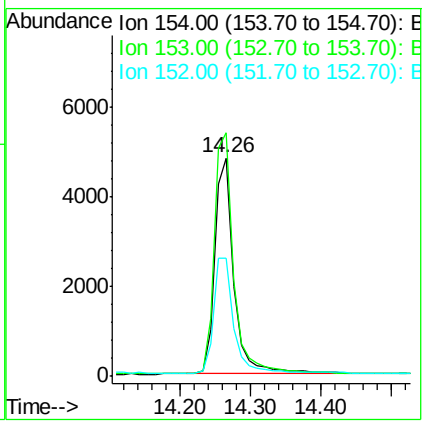


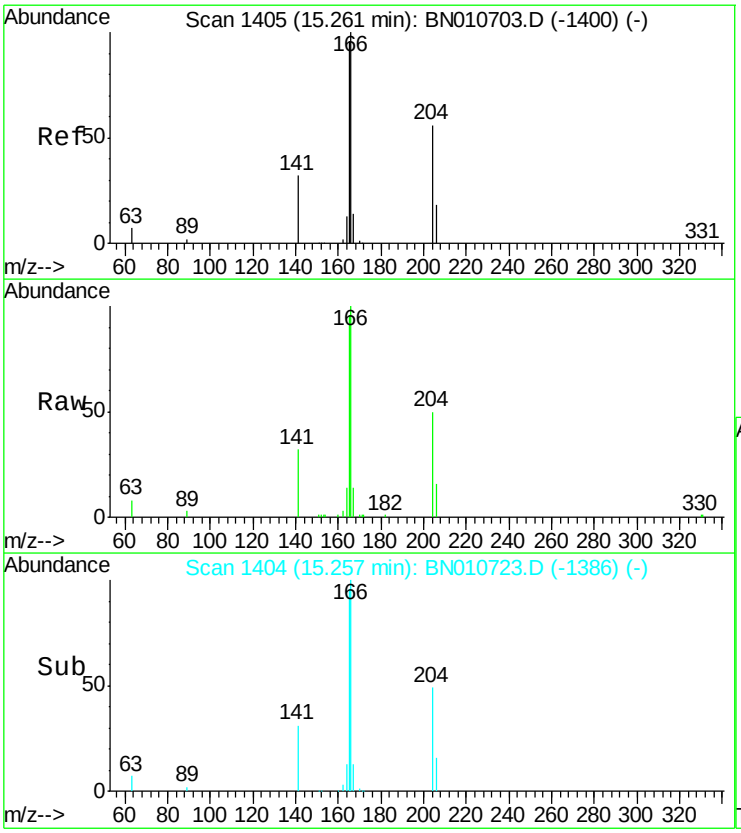
#17
Acenaphthene
Concen: 0.39 ng
RT: 14.26 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9208

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.5	137.3
152	56.4	45.6	68.4

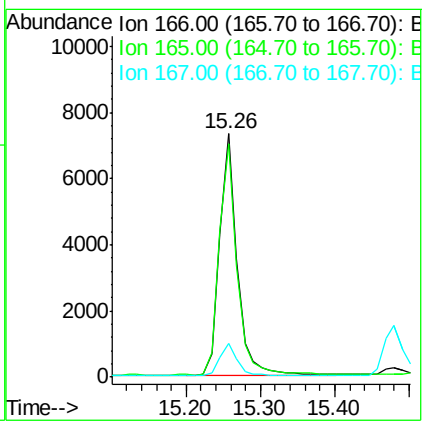


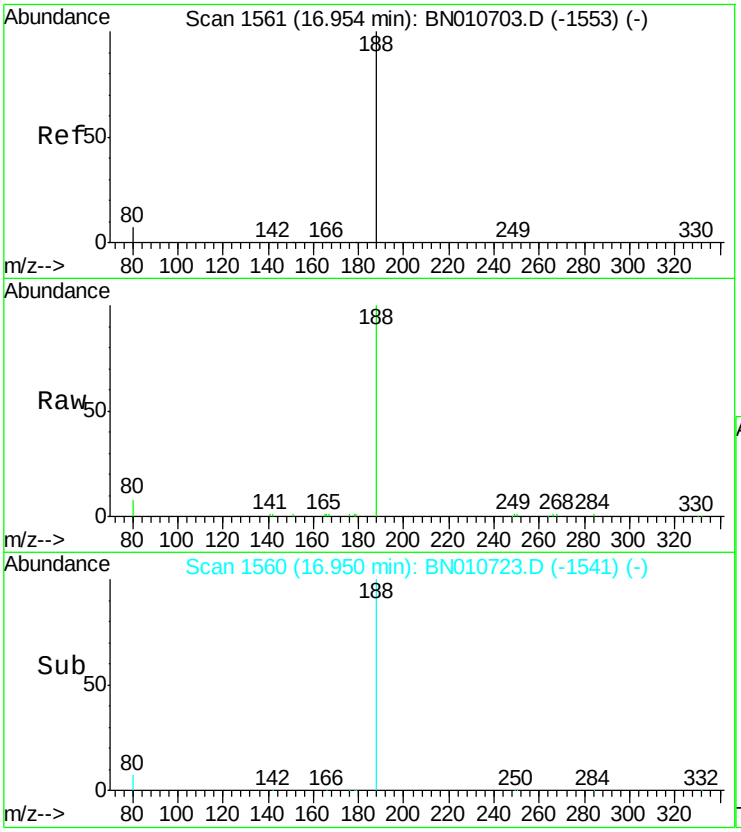


#18
Fluorene
Concen: 0.39 ng
RT: 15.26 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:166 Resp: 11981

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.9	116.9
167	13.4	11.0	16.4



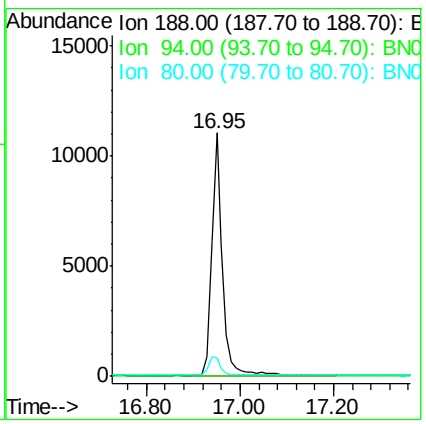


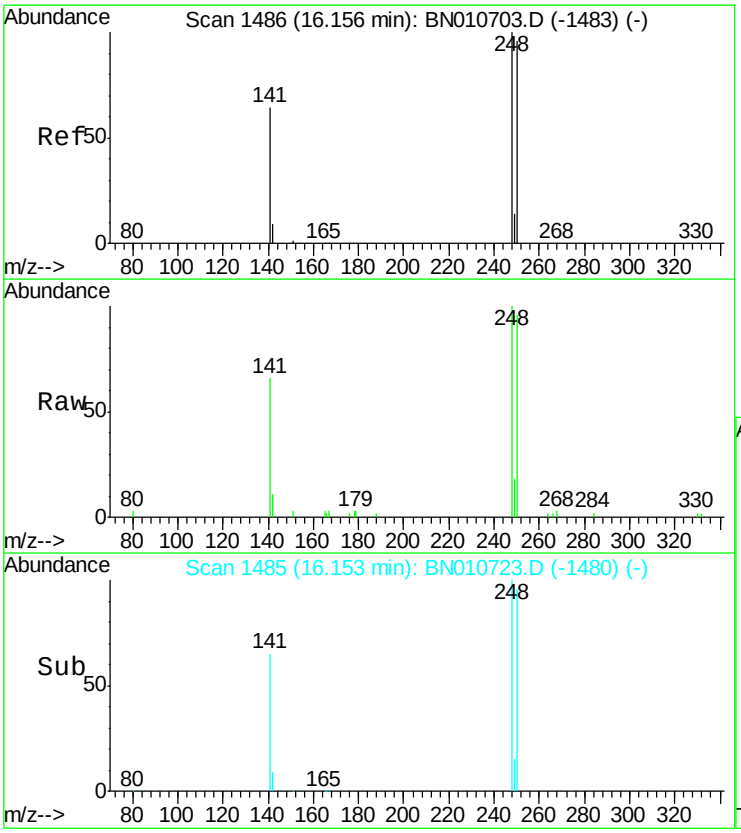
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 17947

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	6.3	9.5

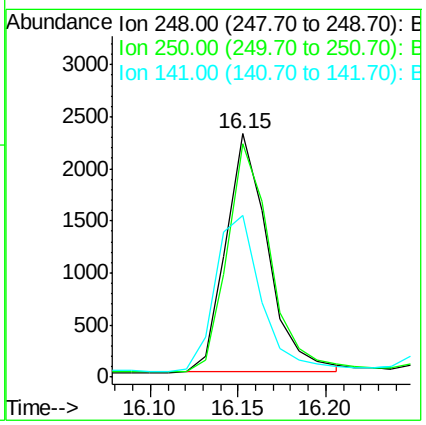


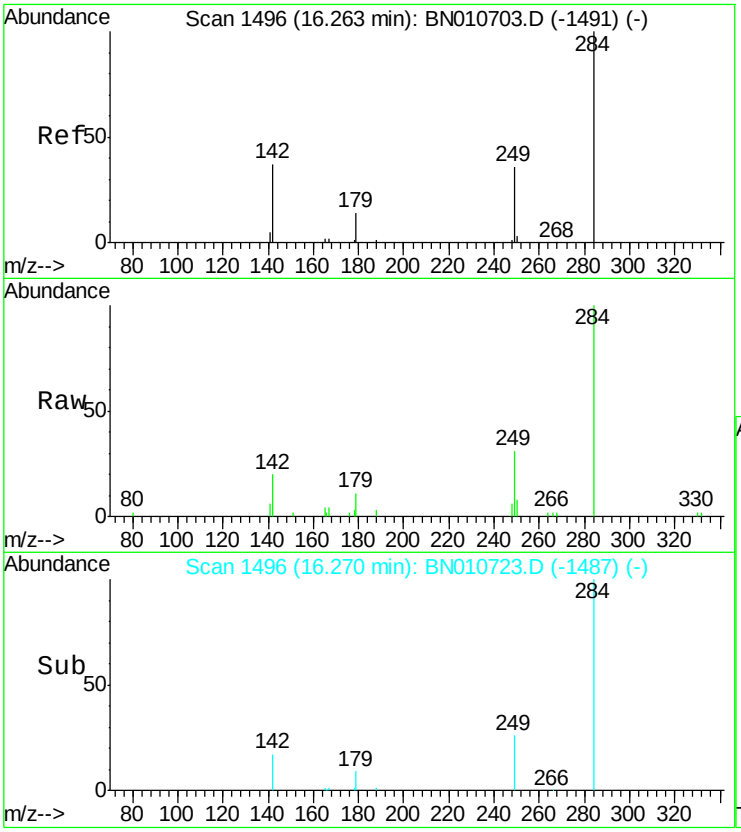


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.15 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:248 Resp: 3816

Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.4	116.0
141	66.3	53.1	79.7



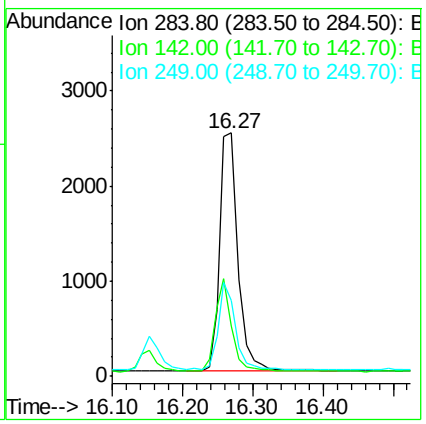


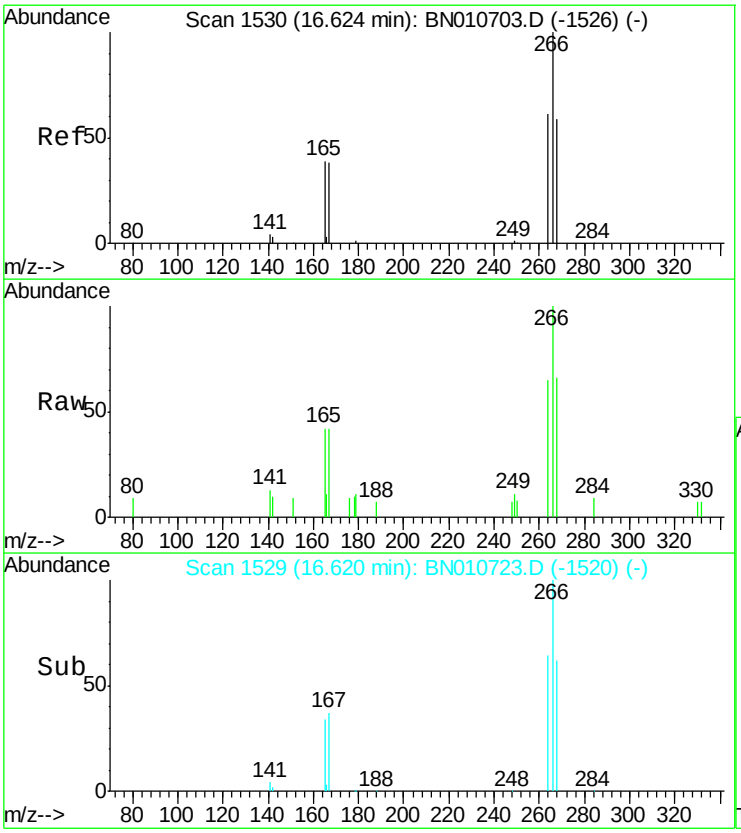
#21
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.27 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 4599

Ion	Ratio	Lower	Upper
284	100		
142	34.6	28.2	42.2
249	32.5	26.4	39.6

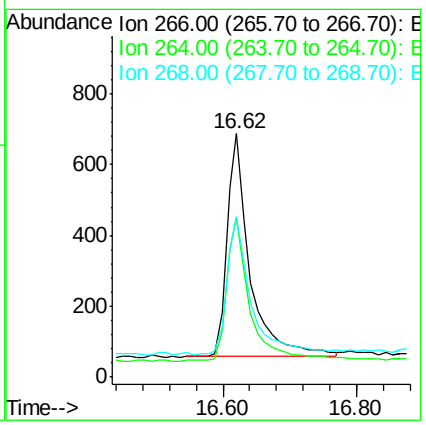


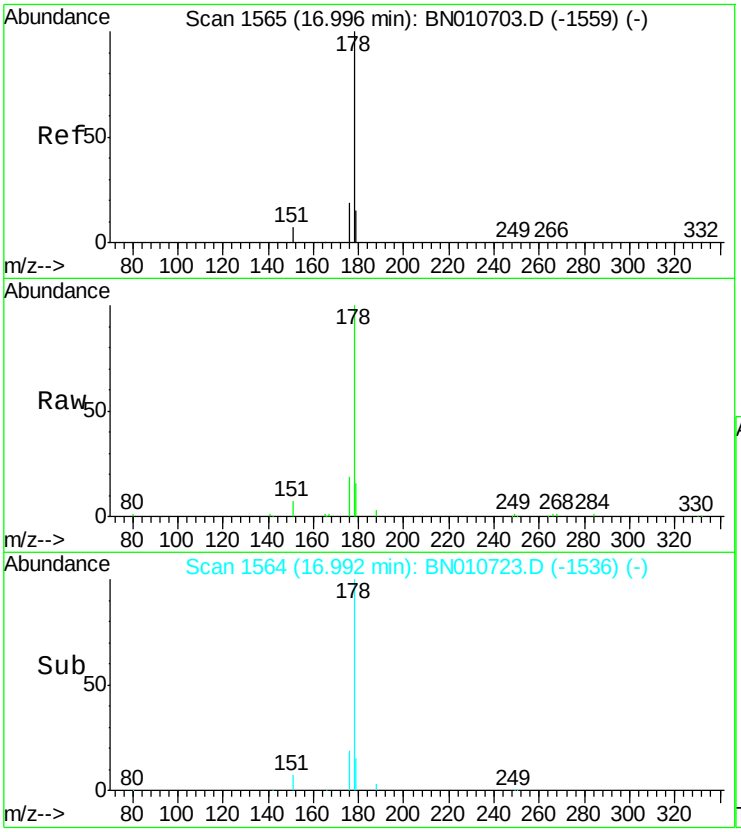


#22
Pentachlorophenol
Concen: 0.41 ng
RT: 16.62 min Scan# 1529
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:266 Resp: 1502

Ion	Ratio	Lower	Upper
266	100		
264	65.1	51.1	76.7
268	65.7	52.1	78.1



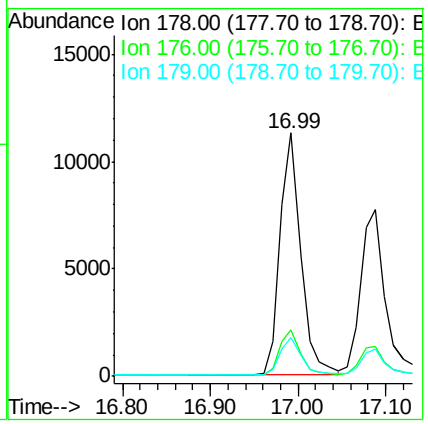


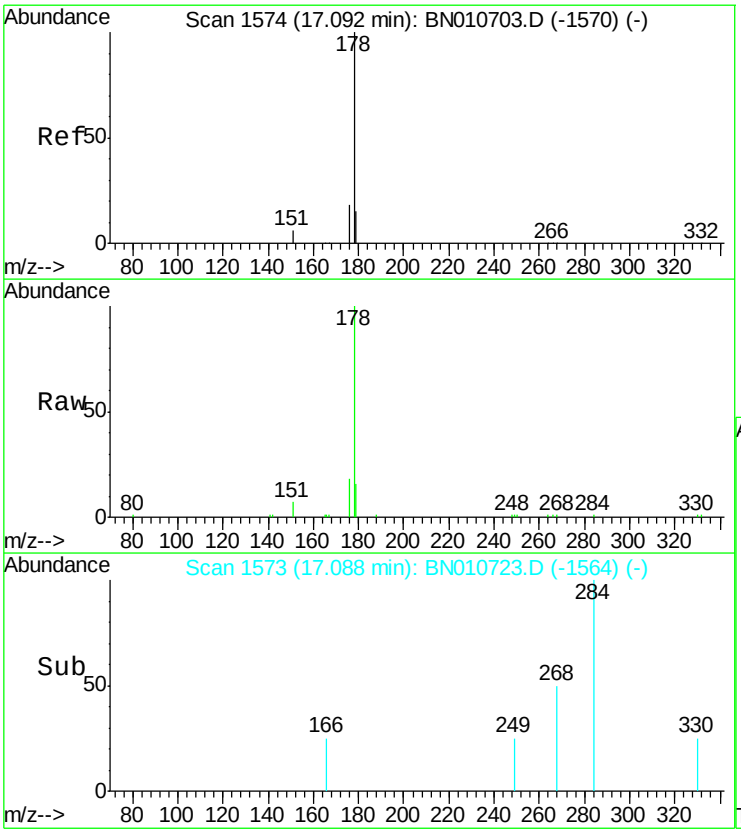
#23
Phenanthrene
Concen: 0.39 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 18571

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.5	12.2	18.4

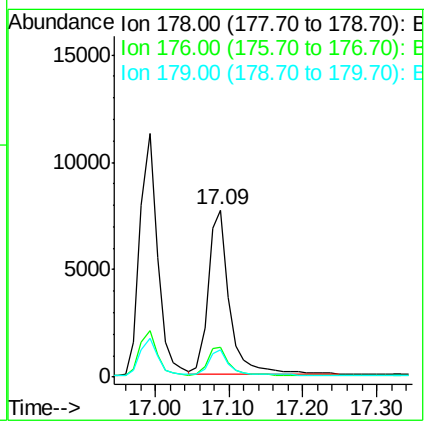


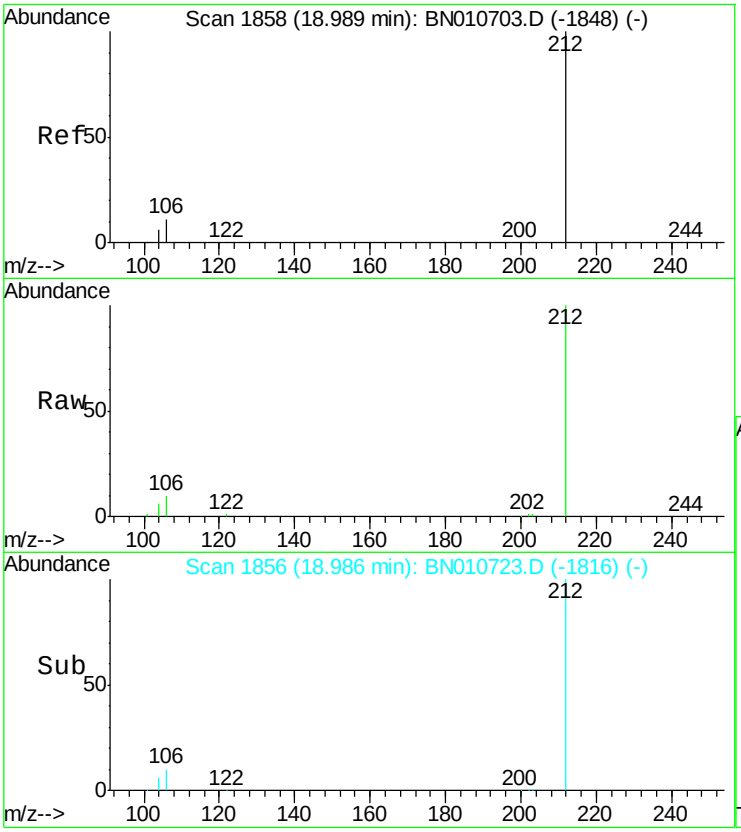


#24
Anthracene
Concen: 0.37 ng
RT: 17.09 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:178 Resp: 15158

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.3	12.3	18.5



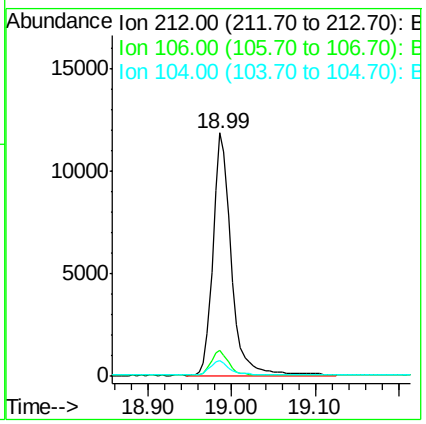


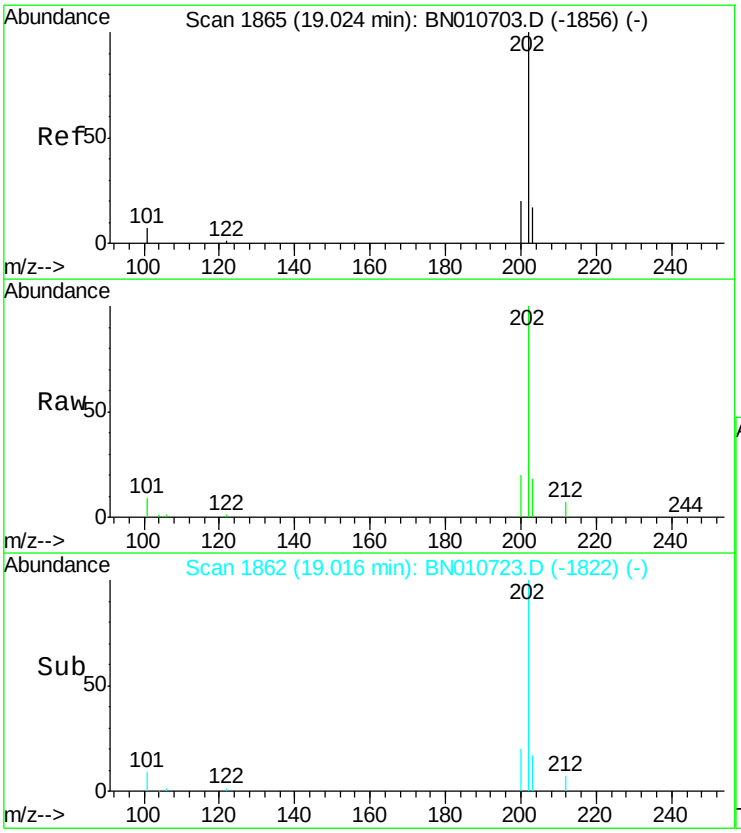
#25
Fluoranthene-d10
Concen: 0.37 ng
RT: 18.99 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 17954

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.7	4.7	7.1

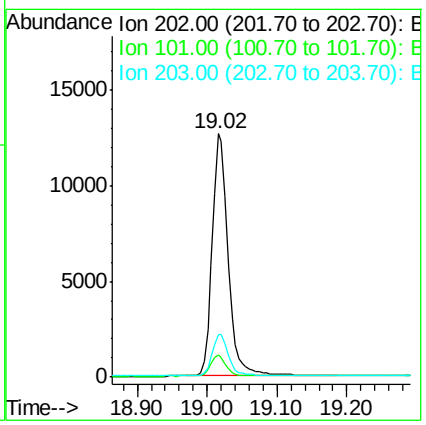


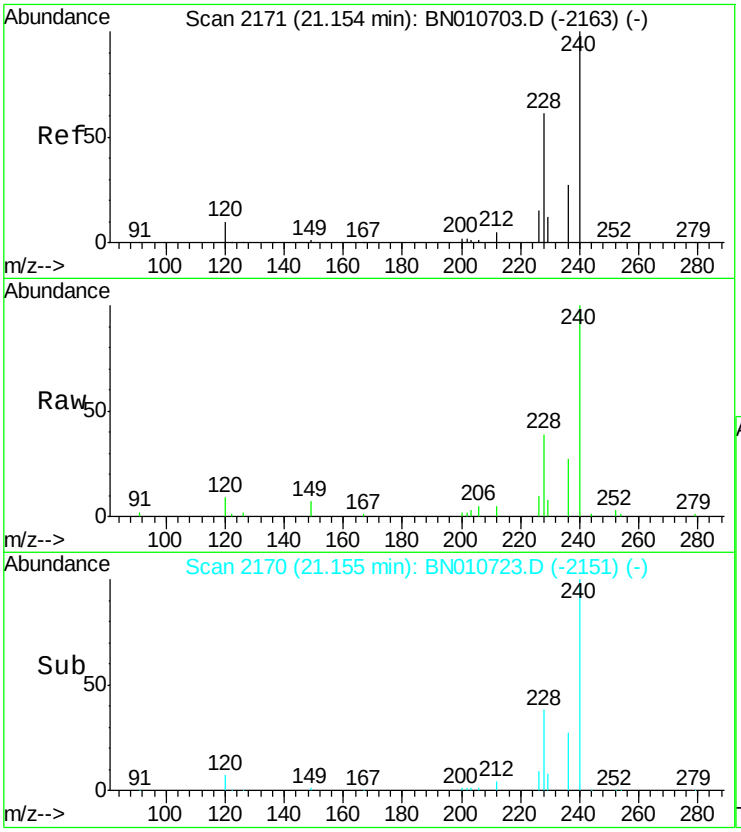


#26
Fluoranthene
Concen: 0.37 ng
RT: 19.02 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:202 Resp: 20224

Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.7	10.1
203	17.2	13.4	20.0



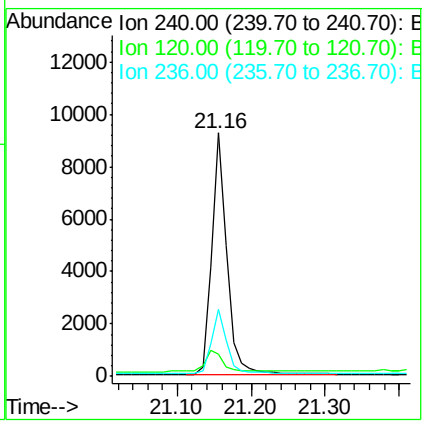


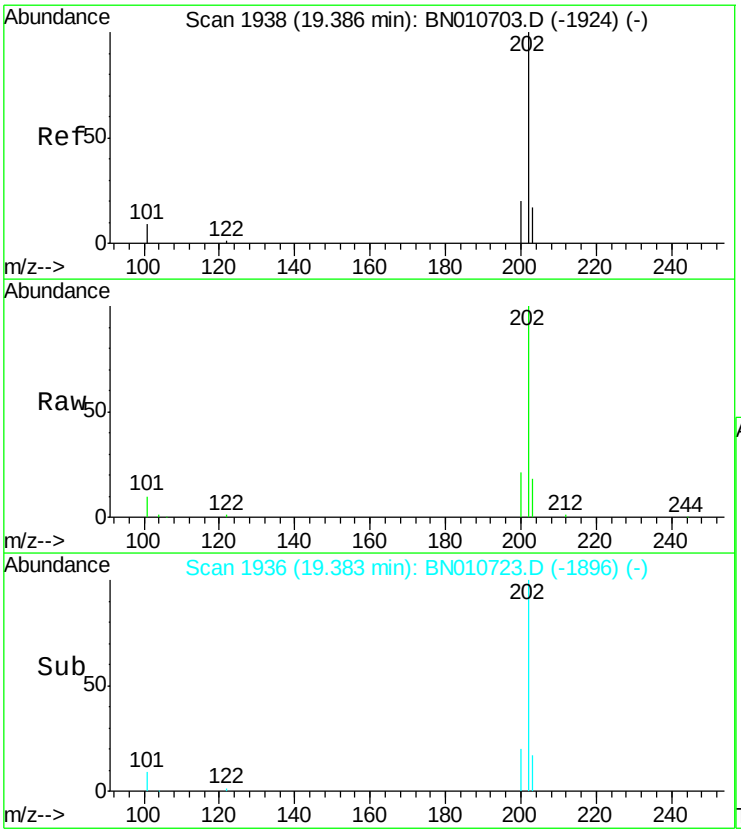
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.16 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 13612

Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	27.5	22.5	33.7

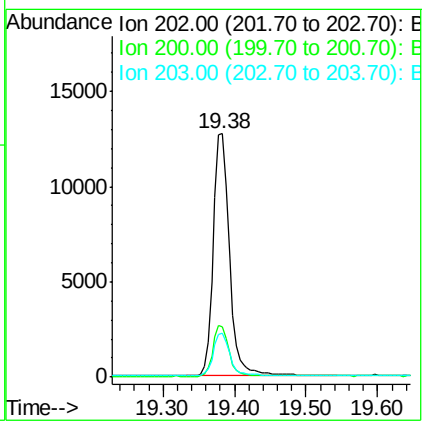


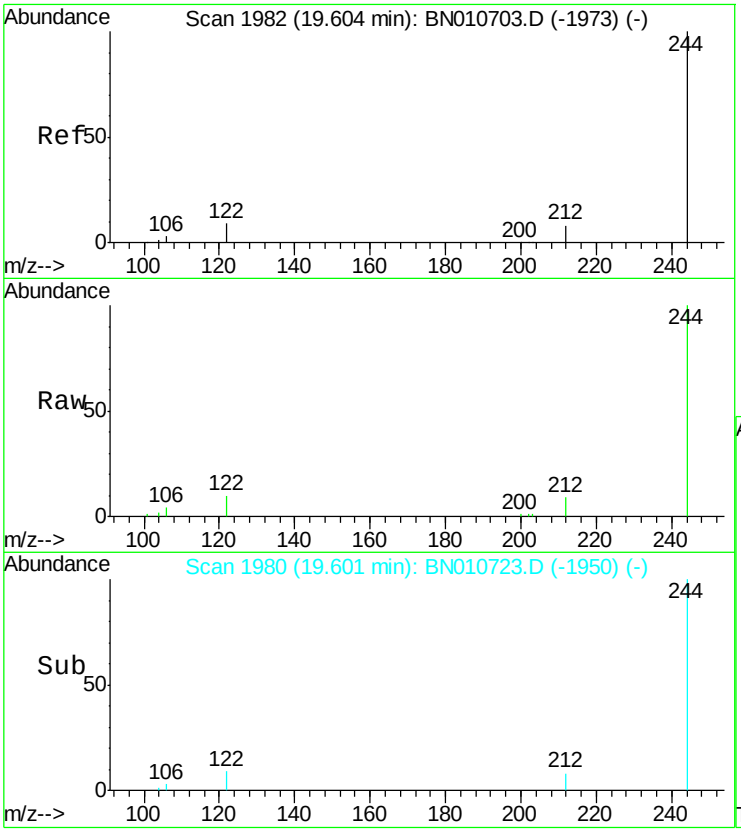


#28
Pyrene
Concen: 0.41 ng
RT: 19.38 min Scan# 1936
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:202 Resp: 20006

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



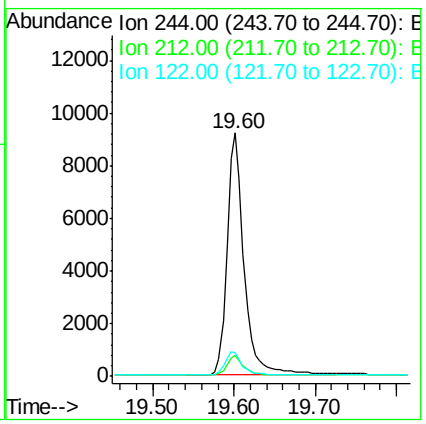


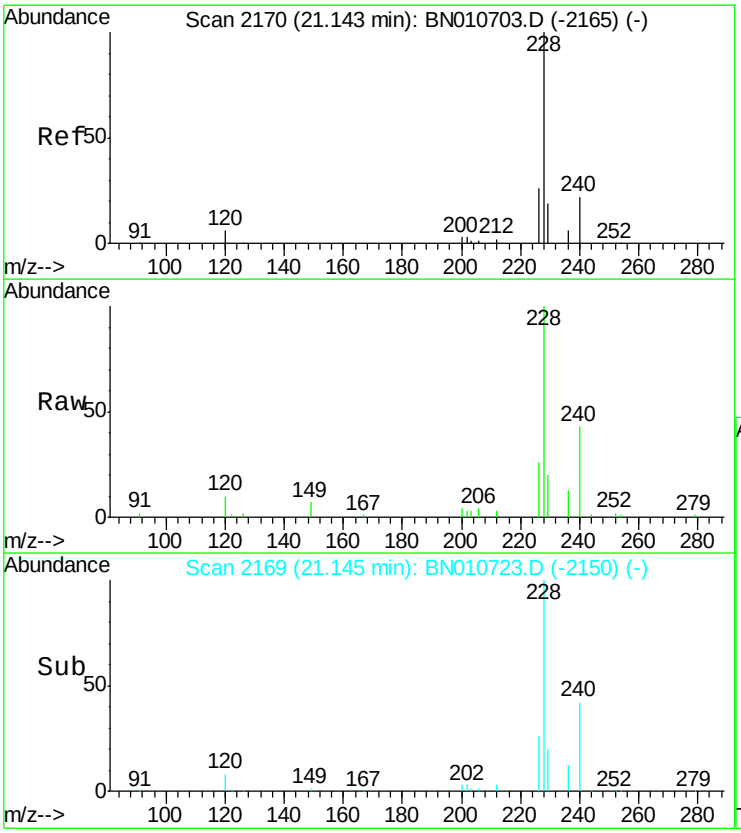
#29
Terphenyl-d14
Concen: 0.42 ng
RT: 19.60 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 13440

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.8	10.2
122	9.7	8.1	12.1

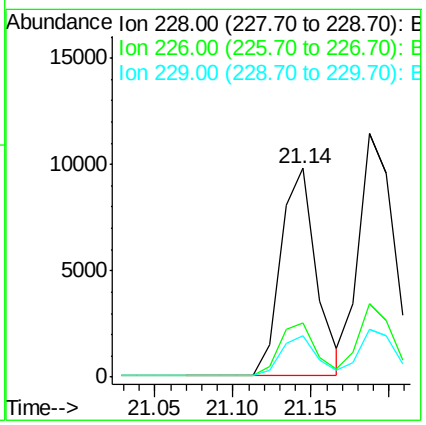


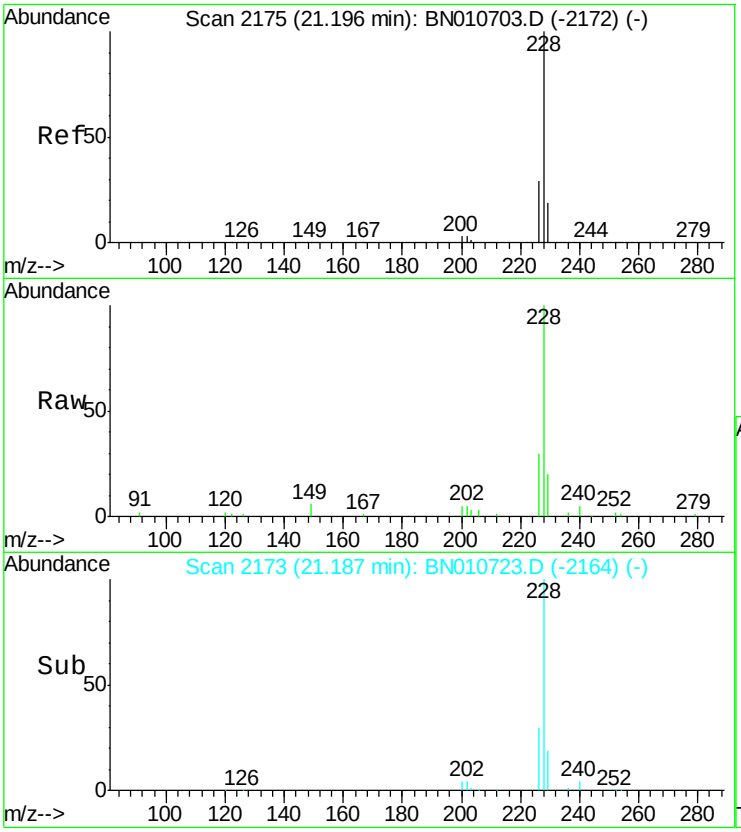


#30
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.14 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:228 Resp: 15377

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.3	31.9
229	20.1	16.0	24.0



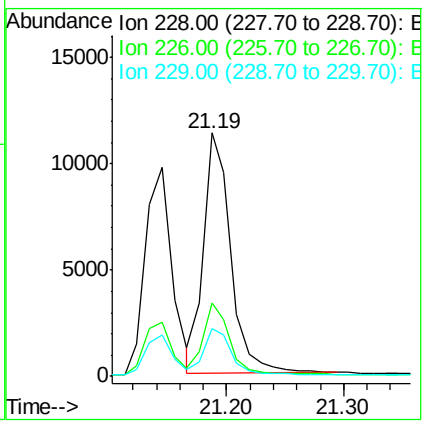


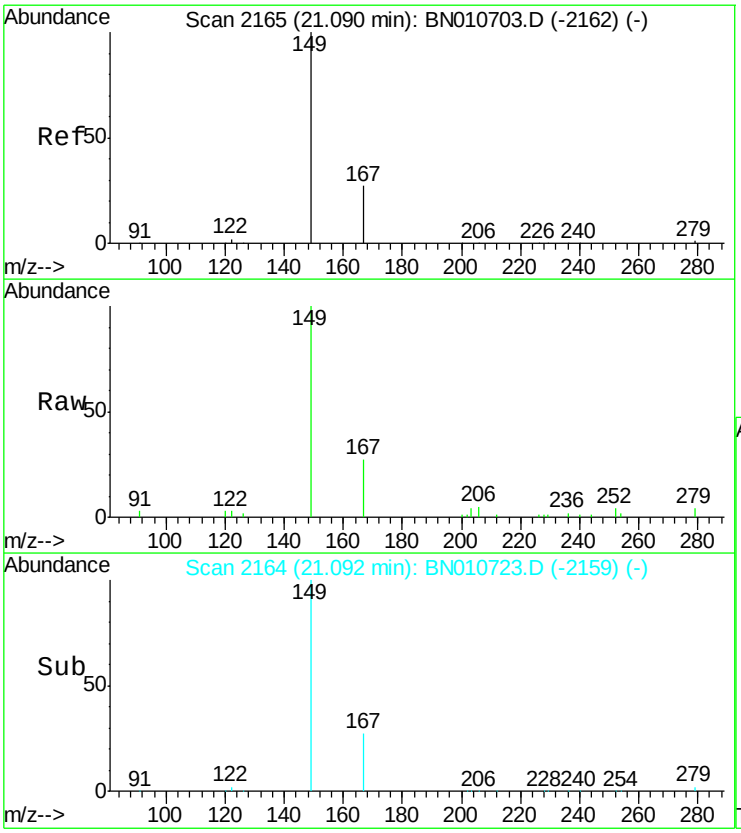
#31
Chrysene
Concen: 0.41 ng
RT: 21.19 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 18367

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.0
229	19.7	16.1	24.1

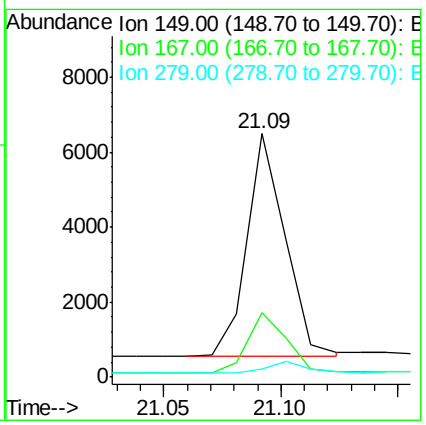


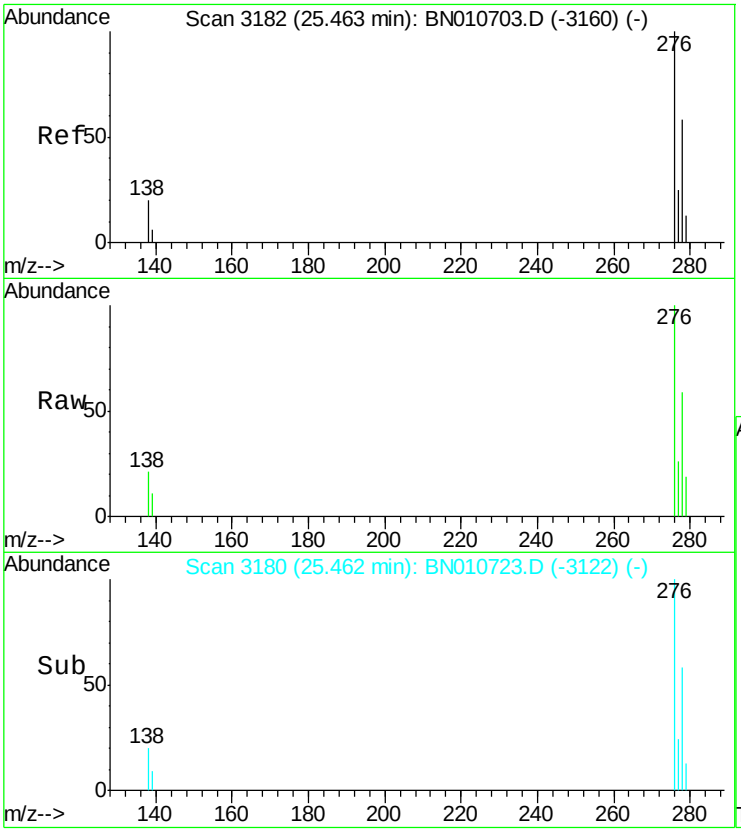


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.39 ng
RT: 21.09 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:149 Resp: 6740

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	5.0	4.1	6.1



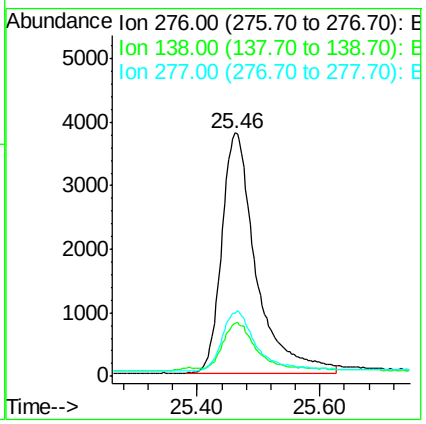


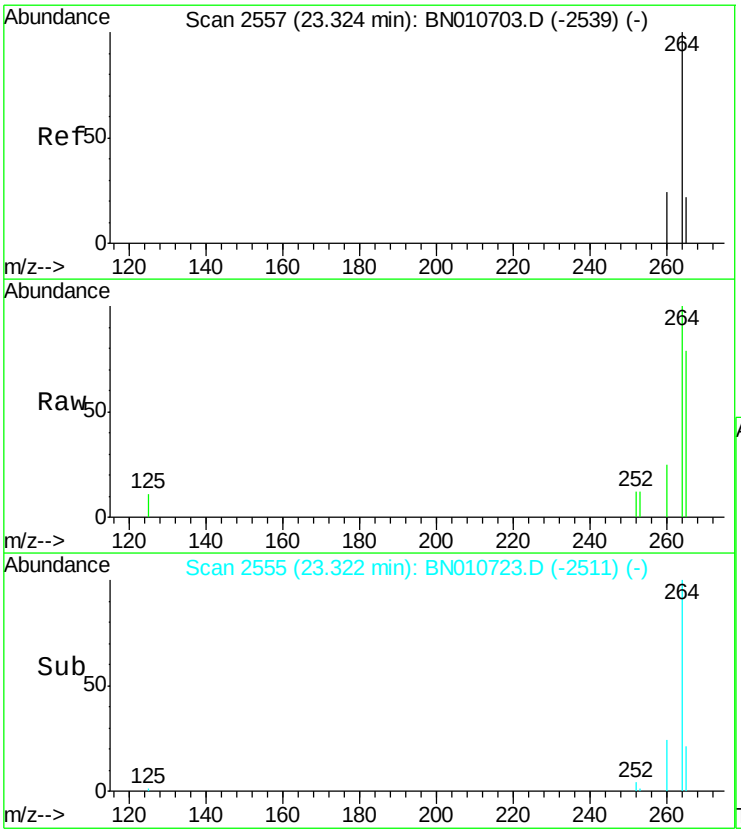
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 25.46 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 14671

Ion	Ratio	Lower	Upper
276	100		
138	17.9	15.1	22.7
277	24.1	19.4	29.0

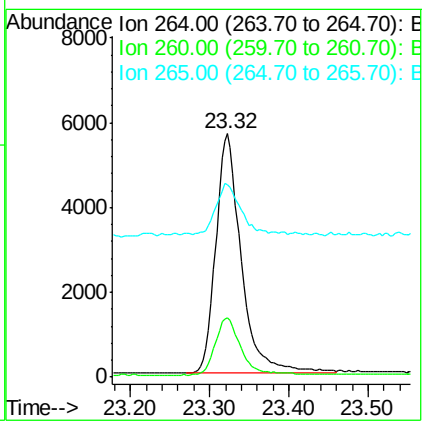


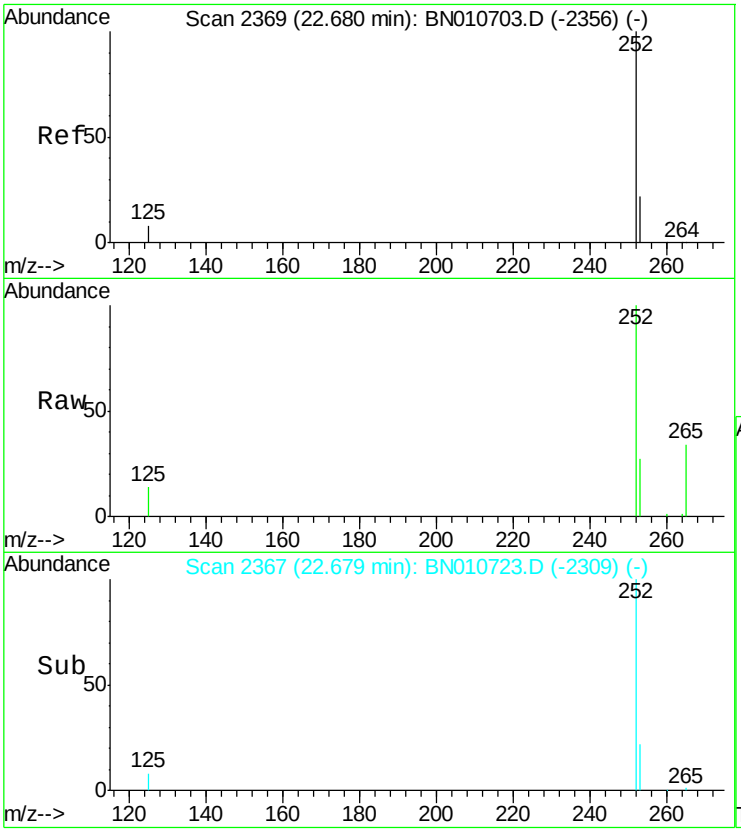


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.32 min Scan# 2555
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:264 Resp: 12654

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	79.1	70.1	105.1



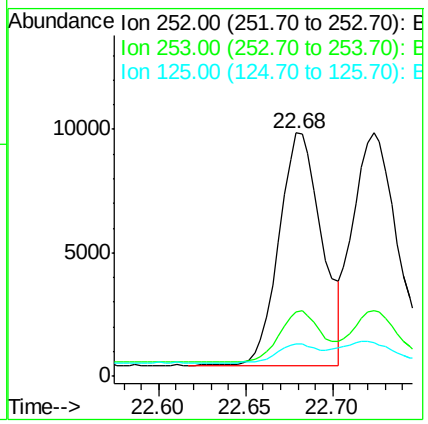


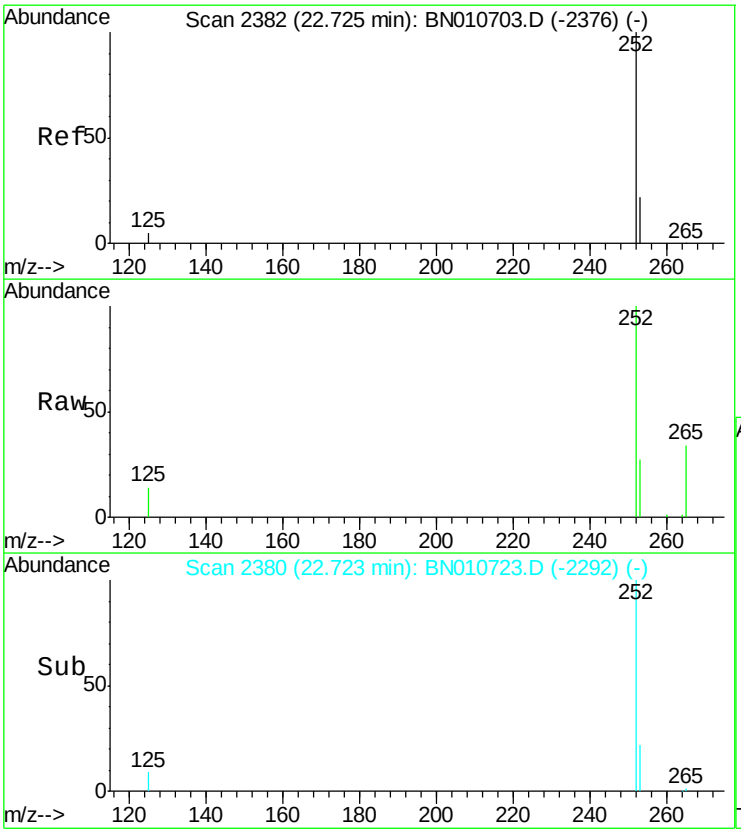
#35
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 22.68 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16100

Ion	Ratio	Lower	Upper
252	100		
253	26.7	22.0	33.0
125	13.6	10.8	16.2

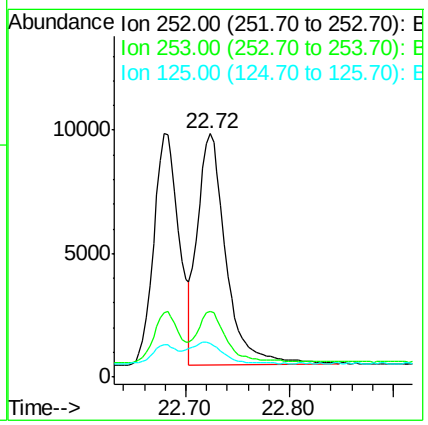


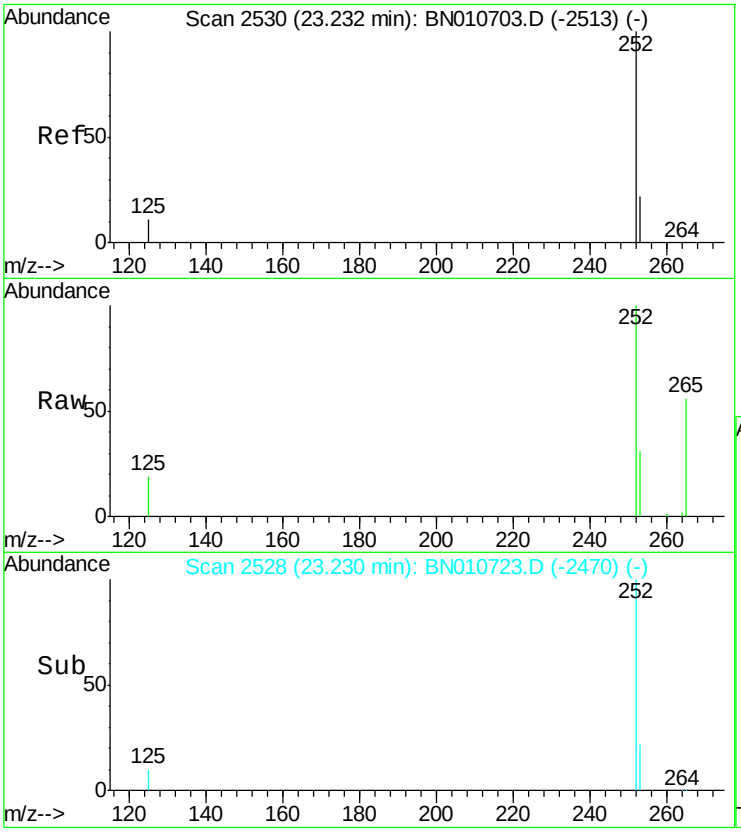


#36
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 22.72 min Scan# 2380
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:252 Resp: 17751

Ion	Ratio	Lower	Upper
252	100		
253	27.1	21.9	32.9
125	13.8	11.1	16.7



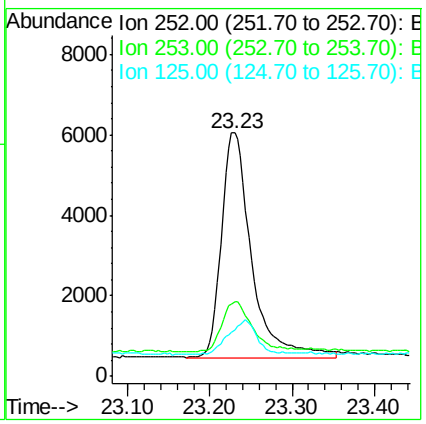


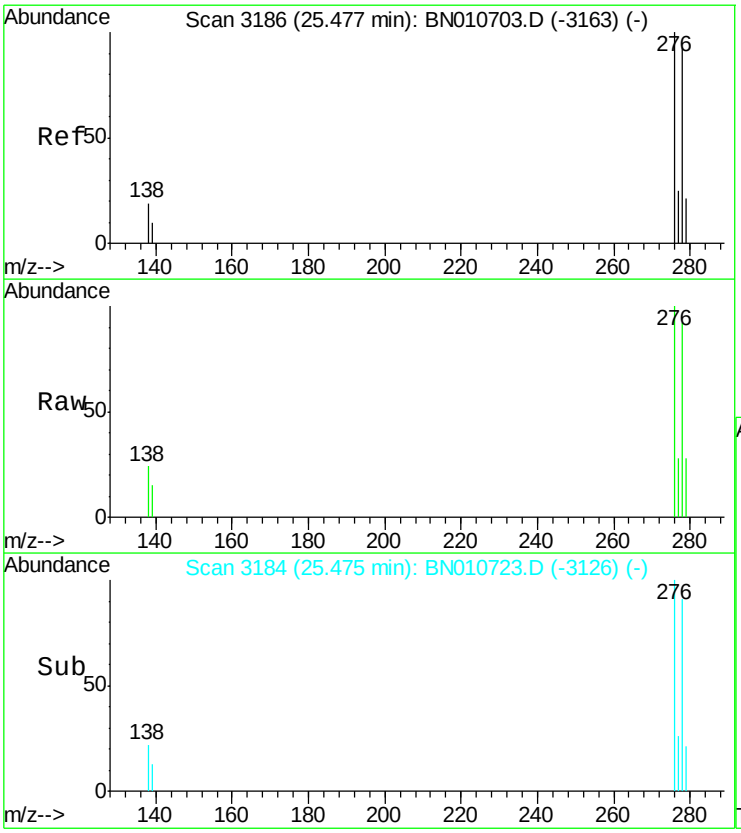
#37
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.23 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 14221

Ion	Ratio	Lower	Upper
252	100		
253	30.5	24.8	37.2
125	19.3	15.8	23.6

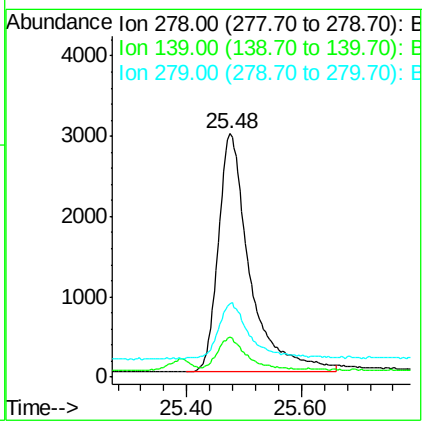


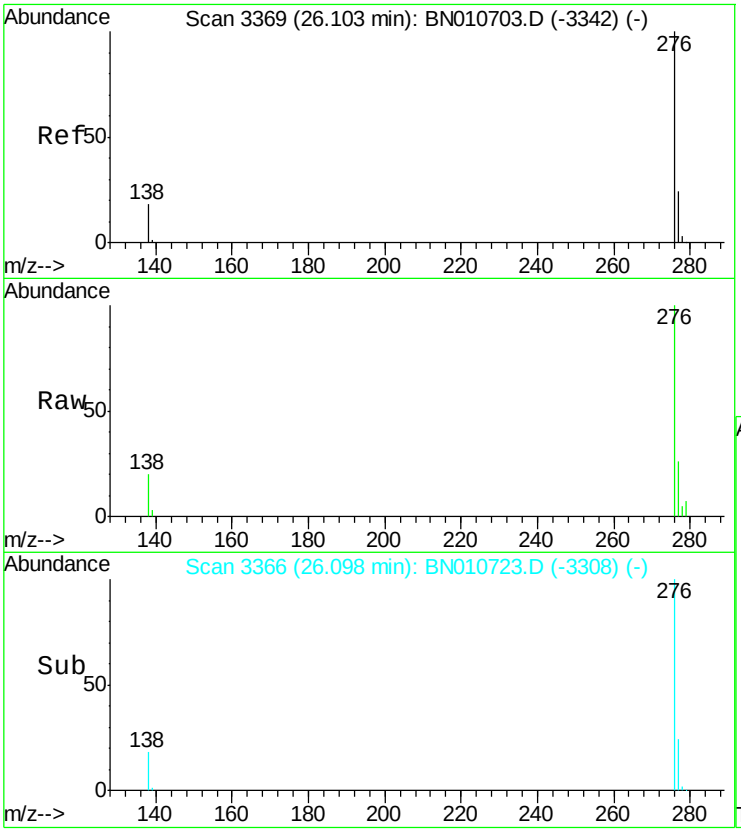


#38
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 25.48 min Scan# 3184
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Tgt Ion:278 Resp: 11304

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	30.0	25.1	37.7





#39
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 26.10 min Scan# 3366
Delta R.T. 0.00 min
Lab File: BN010723.D
Acq: 15 May 2020 10:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 13189

Ion	Ratio	Lower	Upper
276	100		
277	26.0	20.6	30.8
138	20.1	16.0	24.0