Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051320\
Data File : BN010703.D
Acq On : 13 May 2020 11:21
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Quant Time: May 13 13:25:52 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 13:23:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	3313	0.40 ng	0.00
7) Naphthalene-d8	10.33	136	12912	0.40 ng	0.00
13) Acenaphthene-d10	14.20	164	7776	0.40 ng	0.00
19) Phenanthrene-d10	16.95	188	15979	0.40 ng	0.00
27) Chrysene-d12	21.15	240	12279	0.40 ng	0.00
34) Perylene-d12	23.32	264	11464	0.40 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.22	112	2576	0.36 ng	0.00
5) Phenol-d6	6.78	99	3112	0.33 ng	0.00
8) Nitrobenzene-d5	8.71	82	3508	0.39 ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	8321	0.39 ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1006	0.27 ng	0.00
15) 2-Fluorobiphenyl	12.82	172	11542	0.41 ng	0.00
25) Fluoranthene-d10	18.99	212	16065	0.33 ng	0.00
29) Terphenyl-d14	19.60	244	11777	0.42 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.24	88	1086	0.45 ng	99
3) n-Nitrosodimethylamine	3.57	42	619	0.39 ng	100
6) bis(2-Chloroethyl)ether	7.02	93	3408	0.41 ng	100
9) Naphthalene	10.38	128	12859	0.40 ng	100
10) Hexachlorobutadiene	10.68	225	3002	0.39 ng	# 100
12) 2-Methylnaphthalene	12.00	142	9047	0.39 ng	100
16) Acenaphthylene	13.91	152	12003	0.36 ng	100
17) Acenaphthene	14.26	154	8638	0.40 ng	98
18) Fluorene	15.26	166	10907	0.39 ng	100
20) 4-Bromophenyl-phenylether	16.16	248	3514	0.40 ng	100
21) Hexachlorobenzene	16.26	284	4240	0.42 ng	100
22) Pentachlorophenol	16.62	266	1131	0.28 ng	100
23) Phenanthrene	17.00	178	16636	0.39 ng	100
24) Anthracene	17.09	178	13408	0.34 ng	100
26) Fluoranthene	19.02	202	18148	0.34 ng	100
28) Pyrene	19.39	202	17967	0.43 ng	100
30) Benzo(a)anthracene	21.14	228	13258	0.33 ng	100
31) Chrysene	21.20	228	16377	0.41 ng	100
32) Bis(2-ethylhexyl)phthalate	21.09	149	5891	0.29 ng	100
33) Indeno(1,2,3-cd)pyrene	25.46	276	13566	0.38 ng	100
35) Benzo(b)fluoranthene	22.68	252	14331	0.38 ng	100
36) Benzo(k)fluoranthene	22.73	252	15784	0.42 ng	100
37) Benzo(a)pyrene	23.23	252	12742	0.38 ng	100
38) Dibenzo(a,h)anthracene	25.48	278	10268	0.34 ng	100
39) Benzo(g,h,i)perylene	26.10	276	12507	0.41 ng	100

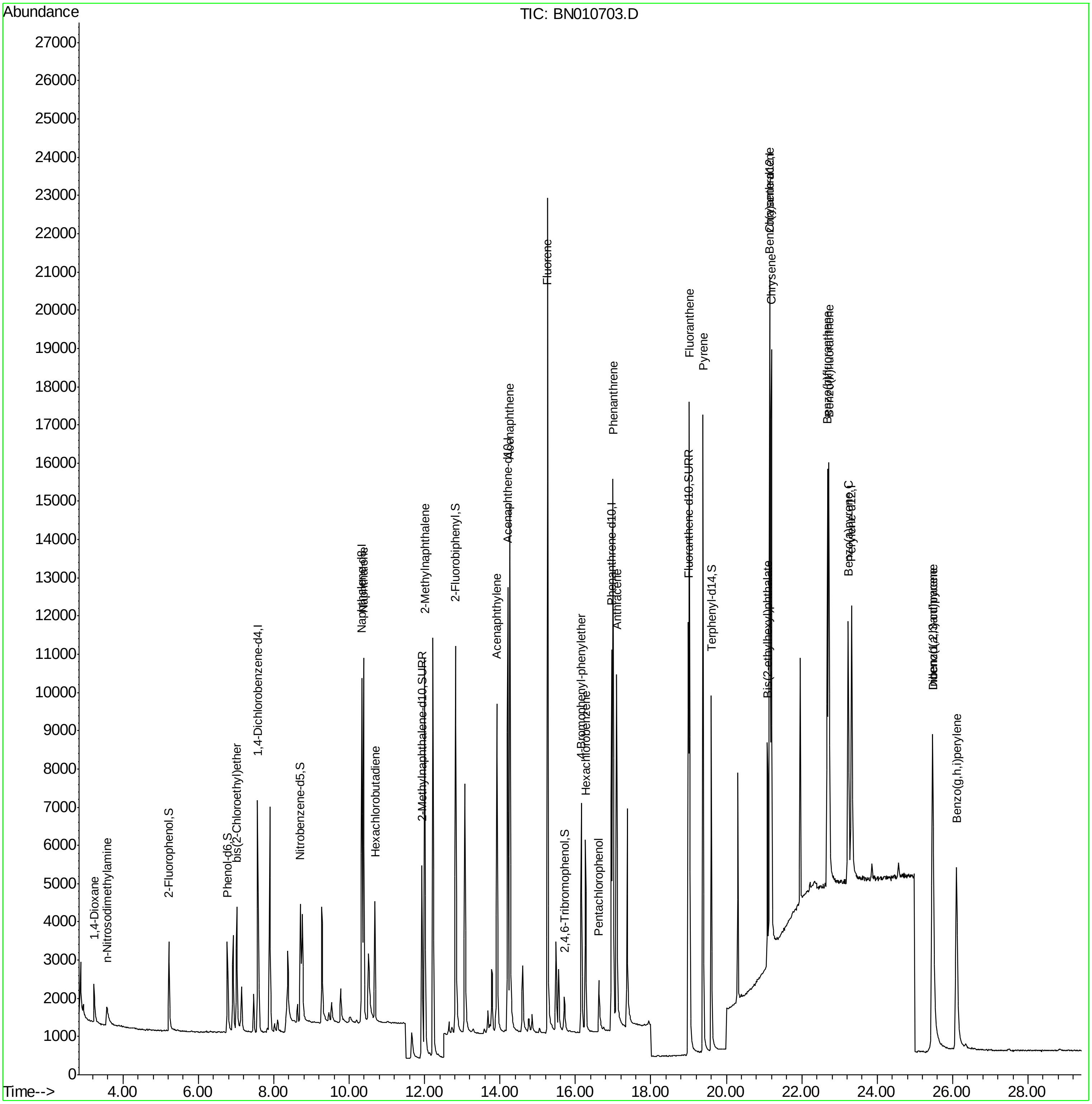
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

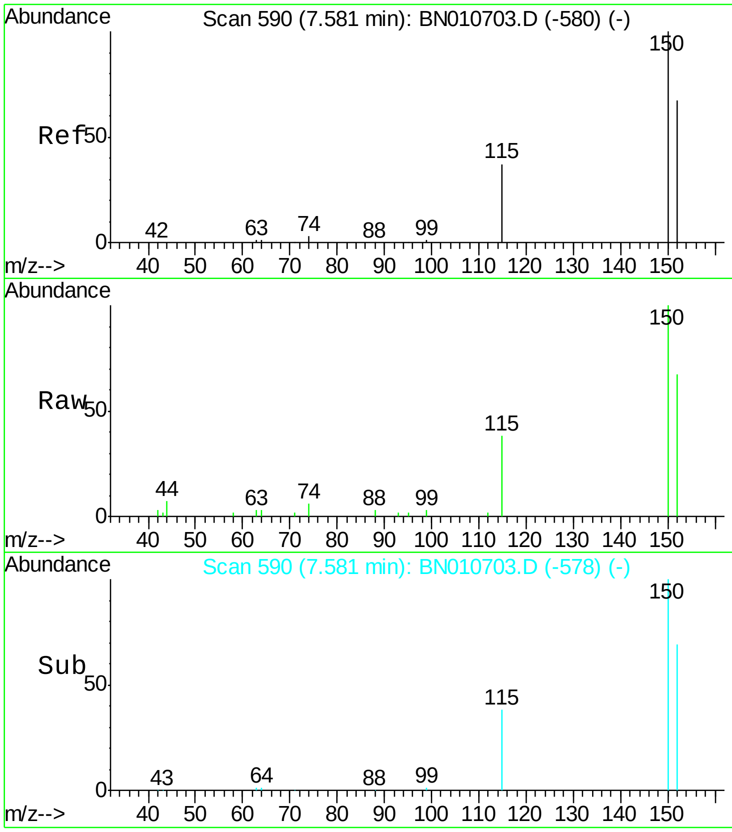
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051320\
Data File : BN010703.D
Acq On : 13 May 2020 11:21
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: May 13 13:25:52 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 13:23:01 2020
Response via : Initial Calibration



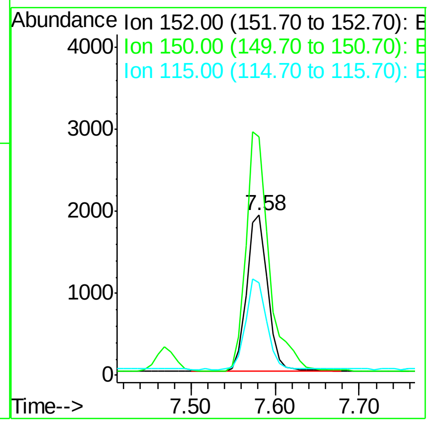
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

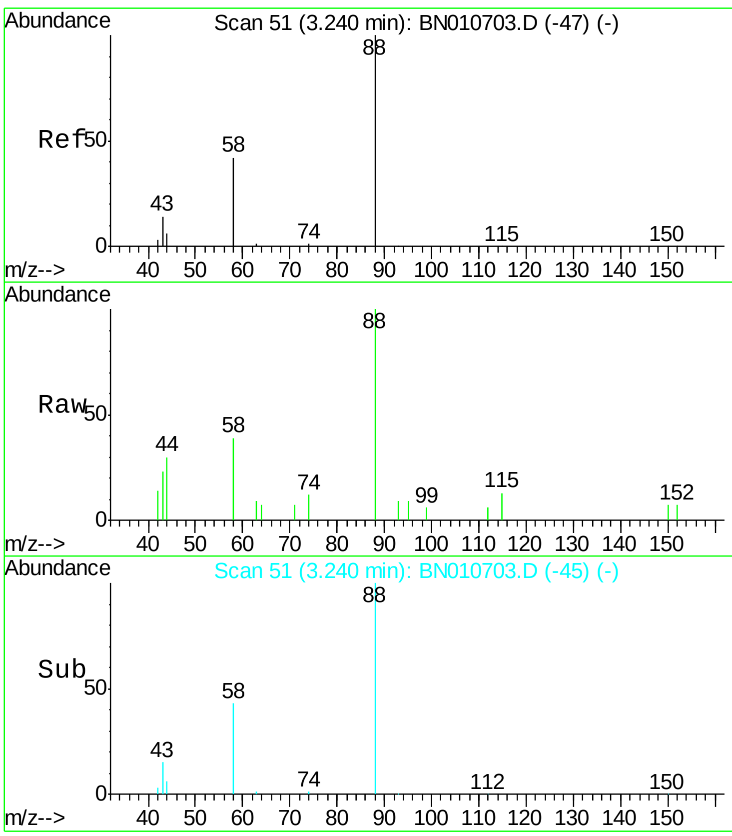


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.58 min Scan# 590
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:152 Resp: 3313

Ion	Ratio	Lower	Upper
152	100		
150	149.2	119.4	179.0
115	57.4	45.9	68.9

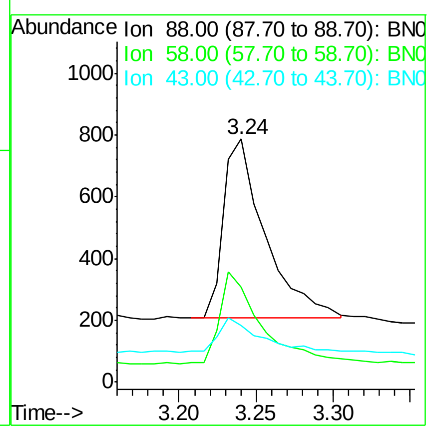


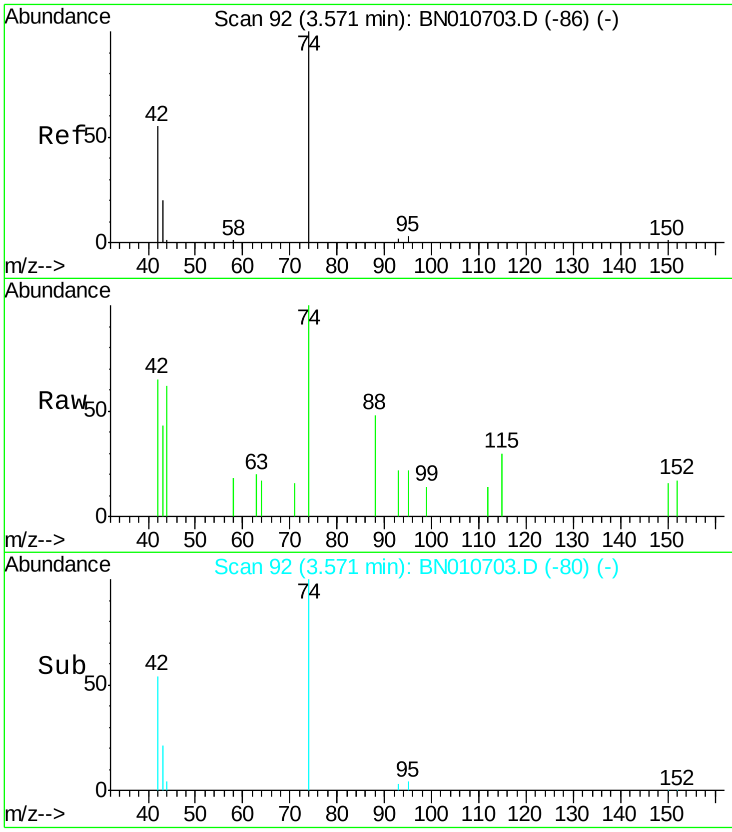


#2
1,4-Dioxane
Concen: 0.45 ng
RT: 3.24 min Scan# 51
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion: 88 Resp: 1086

Ion	Ratio	Lower	Upper
88	100		
58	49.3	39.0	58.6
43	17.4	13.1	19.7



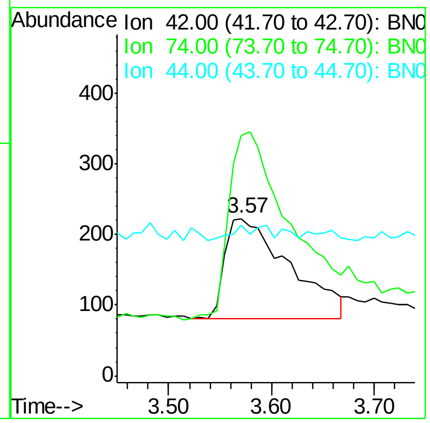


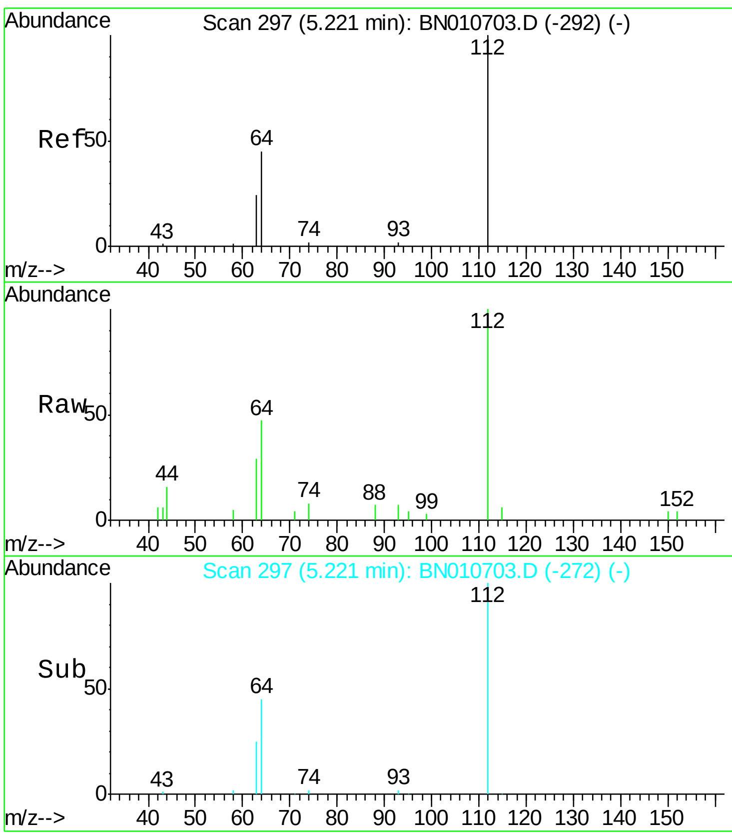
#3
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.57 min Scan# 92
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 619

Ion	Ratio	Lower	Upper
42	100		
74	182.7	146.2	219.2
44	3.7	3.0	4.4

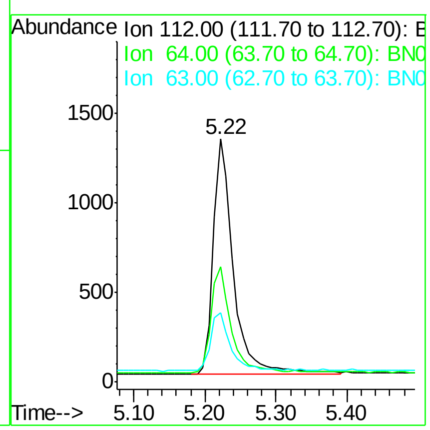




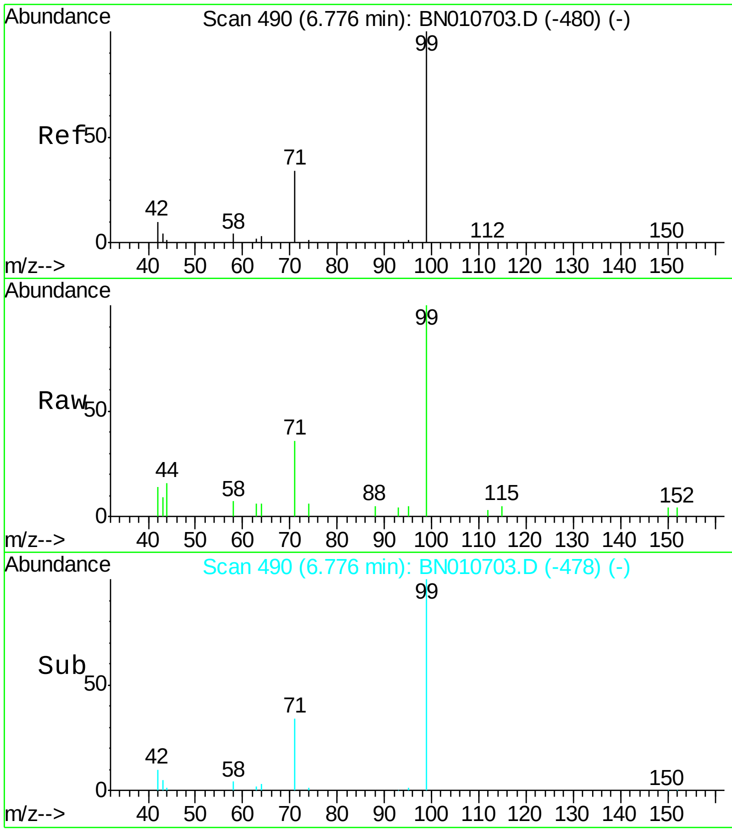
#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:112 Resp: 2576

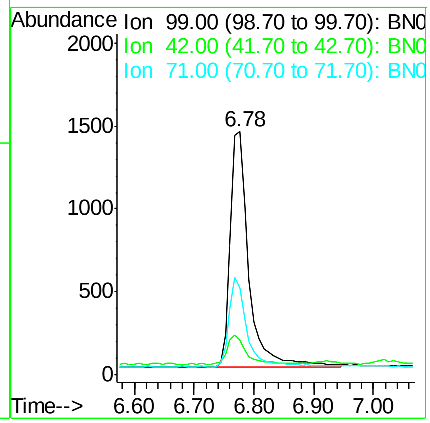
Ion	Ratio	Lower	Upper
112	100		
64	45.3	36.2	54.4
63	24.8	19.8	29.8

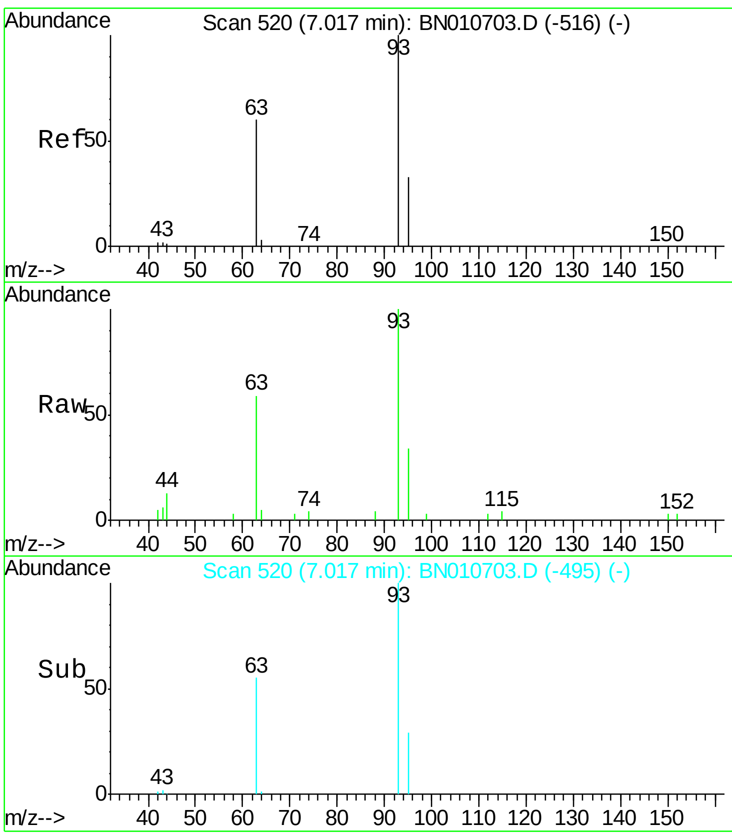


Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

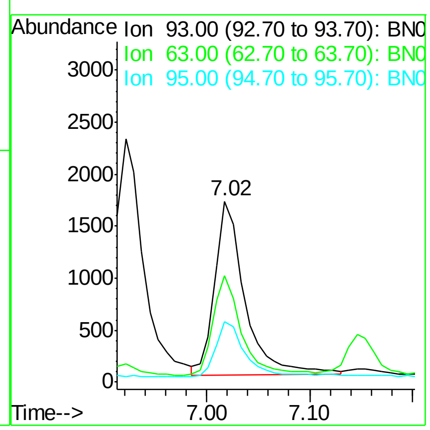



```
#5
Phenol-d6
Concen:    0.33 ng
RT: 6.78 min  Scan# 490
Delta R.T.   0.00 min
Lab File:   BN010703.D
Acq: 13 May 2020  11:21

Tgt Ion: 99 Resp:    3112
Ion  Ratio  Lower  Upper
 99  100
 42   12.3    9.8   14.8
 71   35.7   28.6   42.8
```

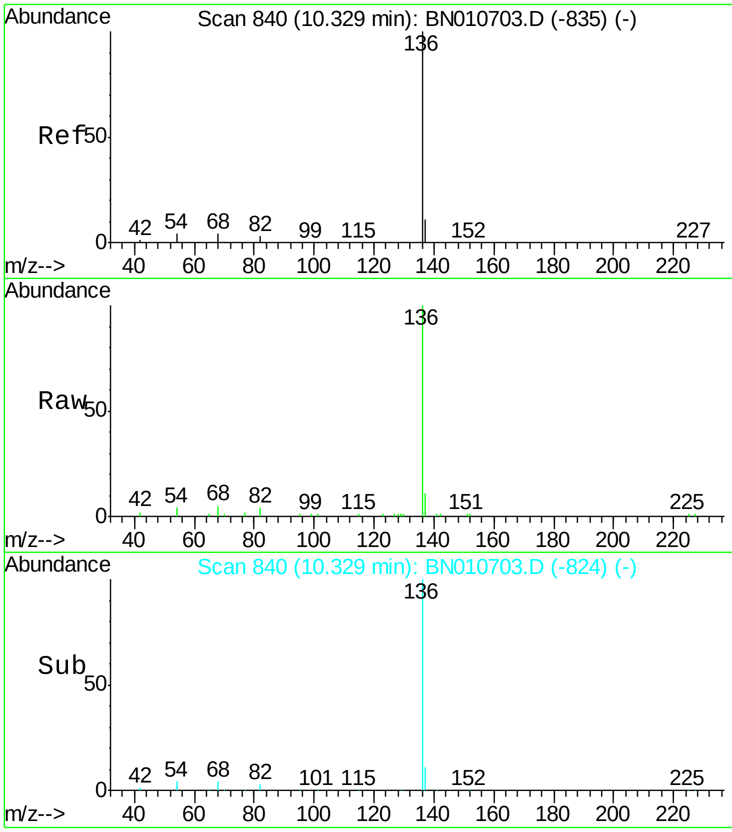





```
#6
bis(2-Chloroethyl)ether
Concen:    0.41 ng
RT: 7.02 min  Scan# 520
Delta R.T.   0.00 min
Lab File:   BN010703.D
Acq: 13 May 2020  11:21

Tgt Ion: 93 Resp:    3408
Ion  Ratio  Lower  Upper
 93  100
 63   53.9   43.1   64.7
 95   30.8   24.6   37.0
```



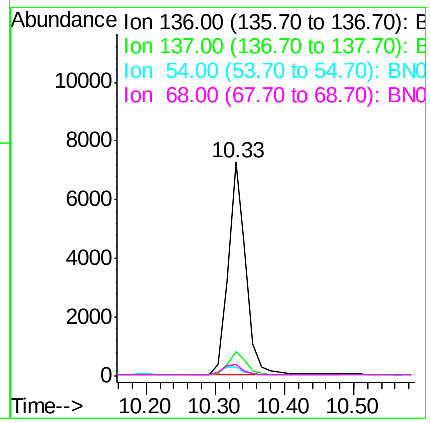
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

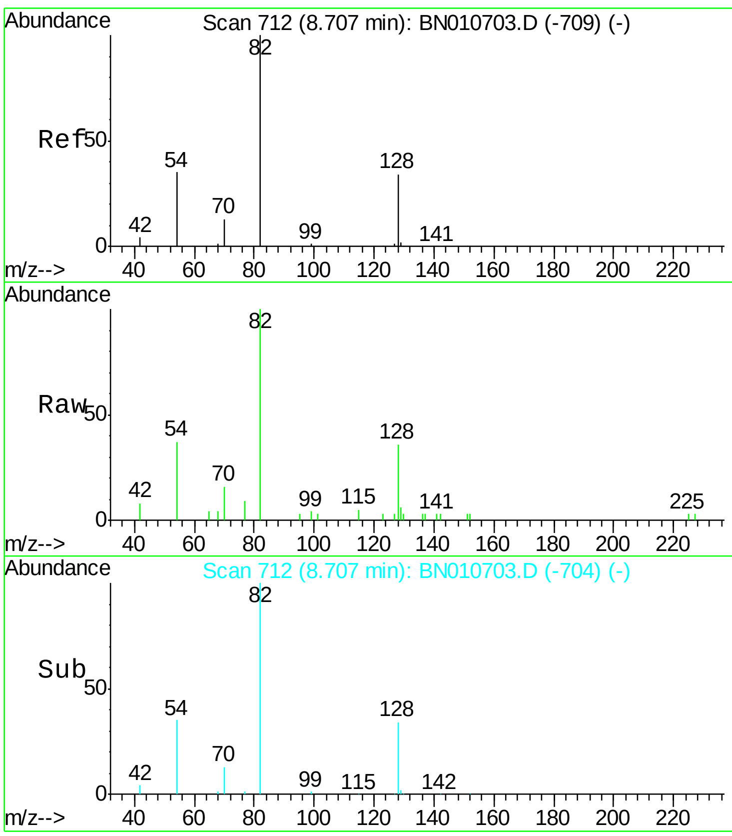


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min   Scan# 840
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:136 Resp: 12912

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	4.5	3.6	5.4
68	5.1	4.1	6.1

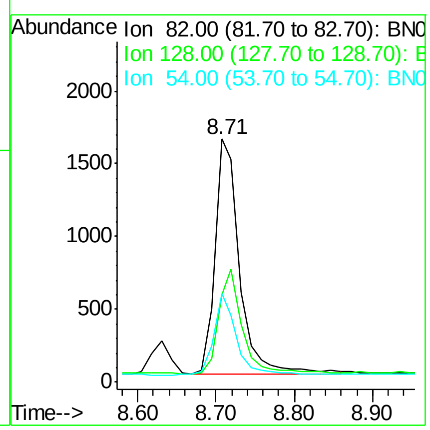


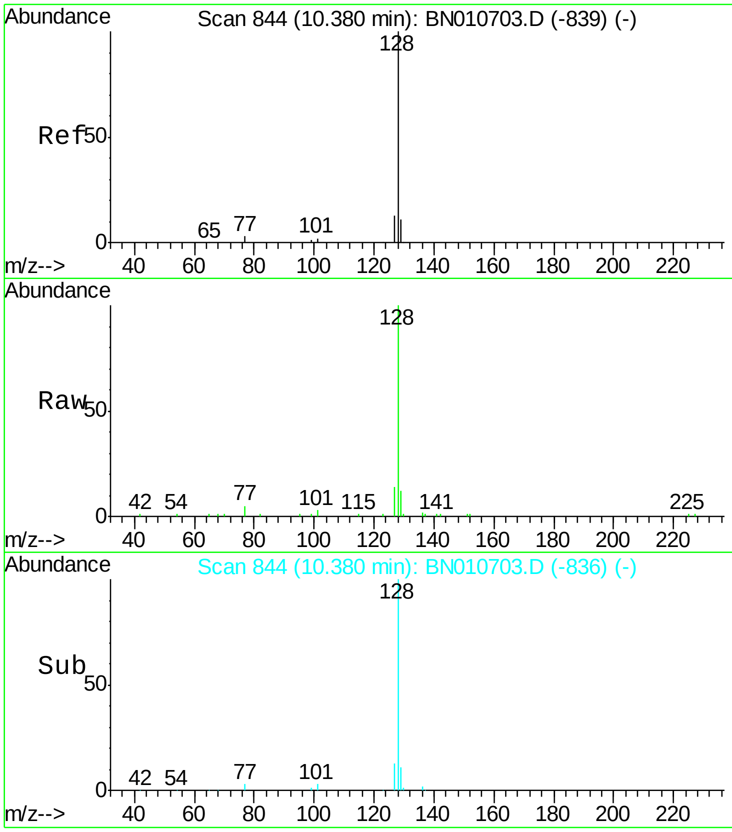


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.71 min   Scan# 712
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion: 82 Resp: 3508

Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.0	43.4
54	36.6	29.3	43.9



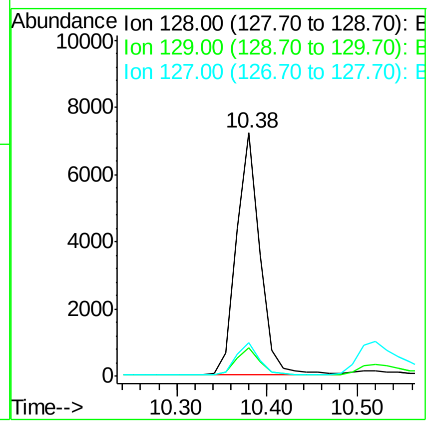


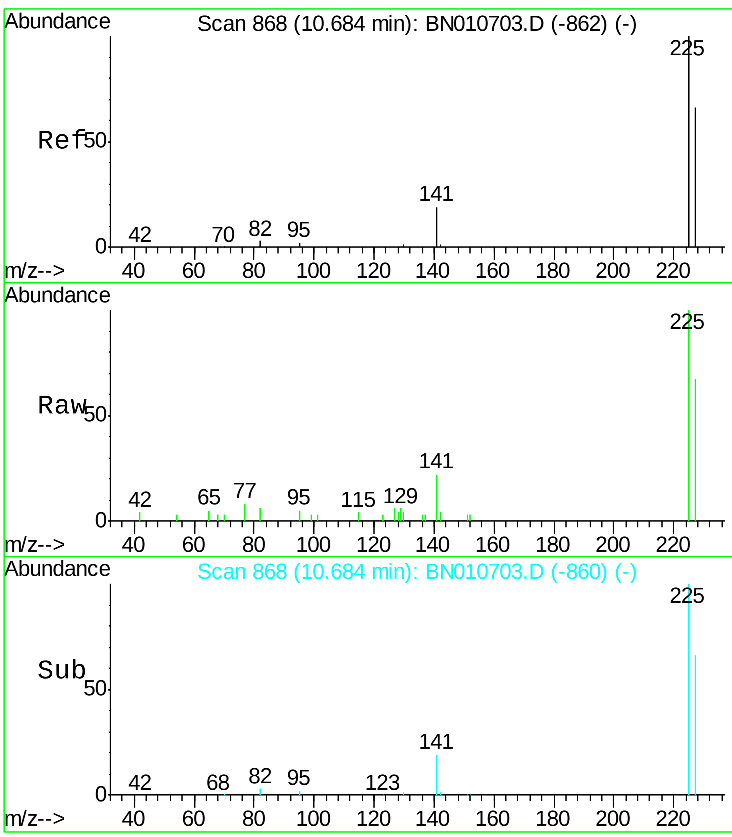
#9
Naphthalene
Concen: 0.40 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 12859

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.8	11.0	16.6

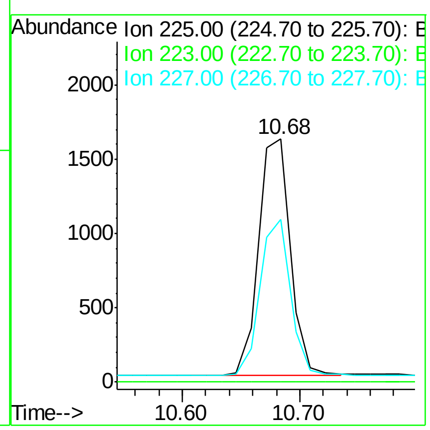


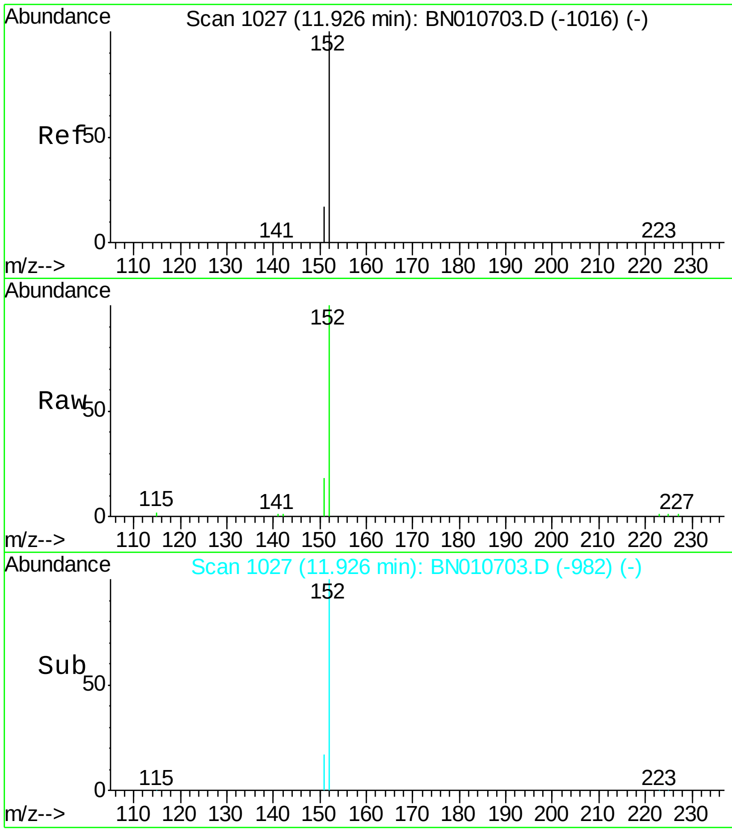


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:225 Resp: 3002

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.7	76.1

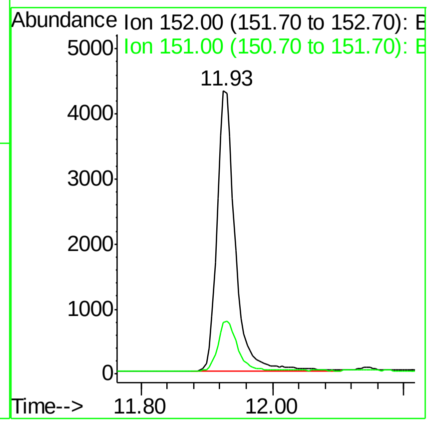


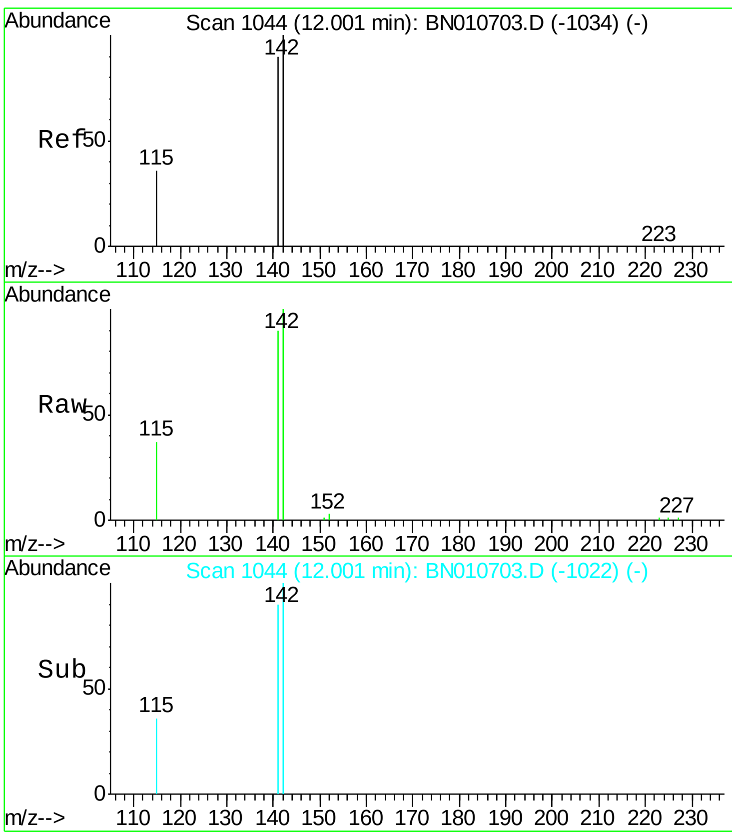


#11
2-Methylnaphthalene-d10
Concen: 0.39 ng
RT: 11.93 min   Scan# 1027
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

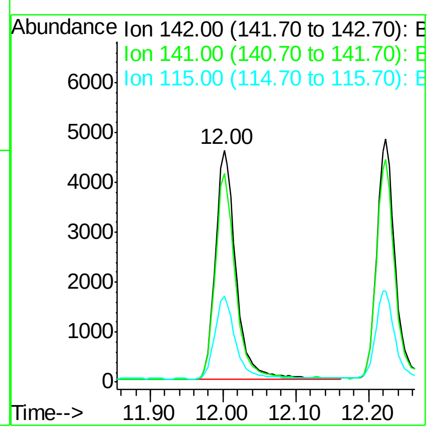
Tgt Ion:152	Resp:		8321
Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.0	22.6

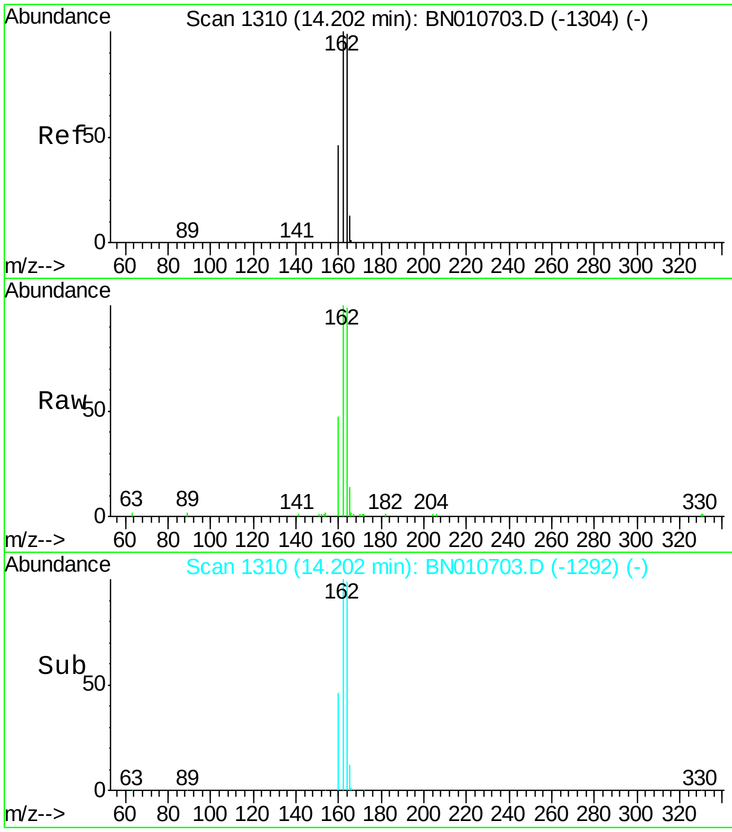




#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.00 min   Scan# 1044
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:142	Resp:		9047
Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	37.2	29.8	44.6



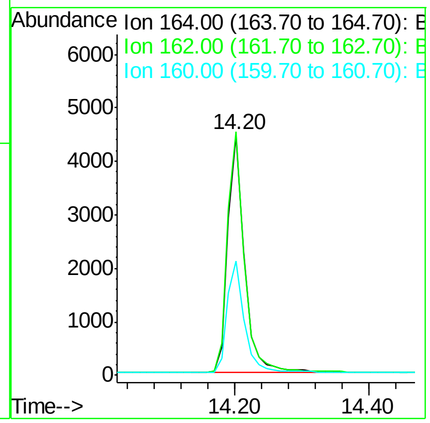


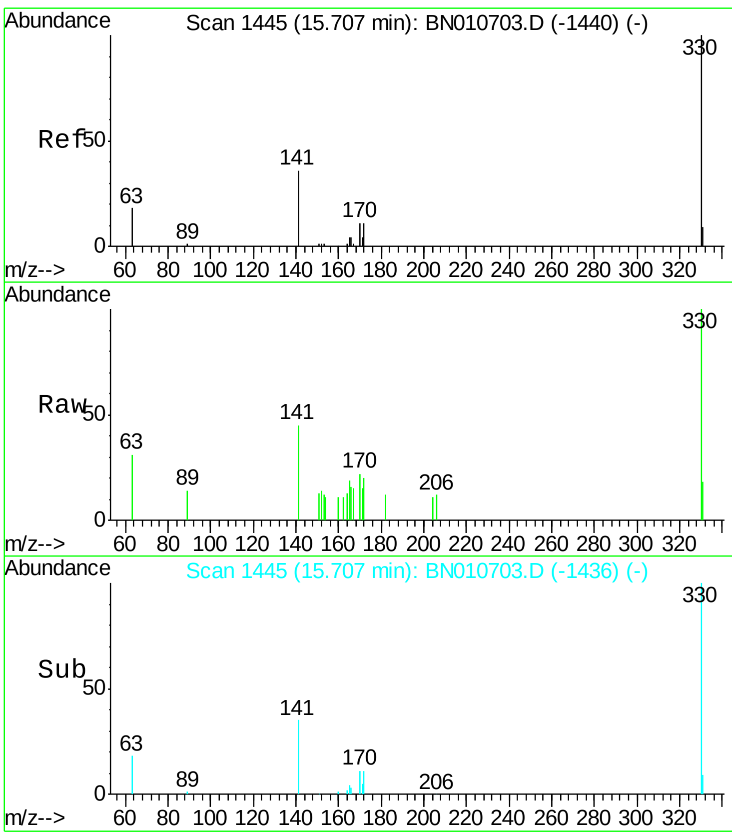
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.20 min Scan# 1310
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 7776

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.1	121.7
160	47.4	37.9	56.9

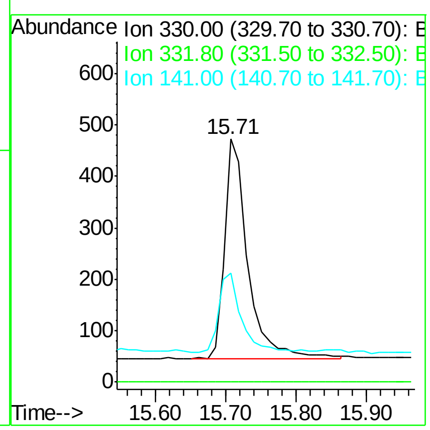


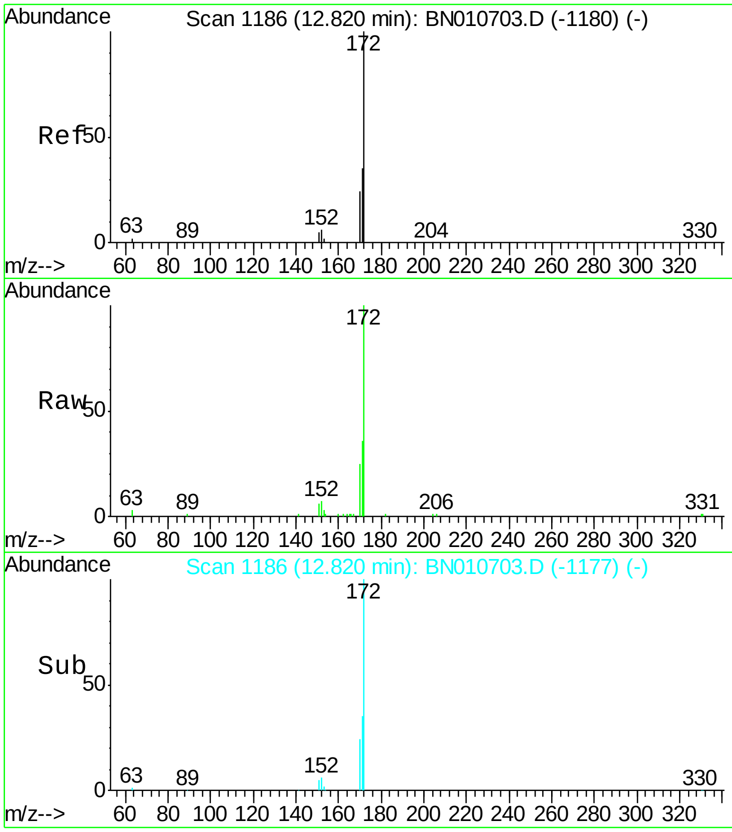


#14
2,4,6-Tribromophenol
Concen: 0.27 ng
RT: 15.71 min Scan# 1445
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:330 Resp: 1006

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.0	28.8	43.2



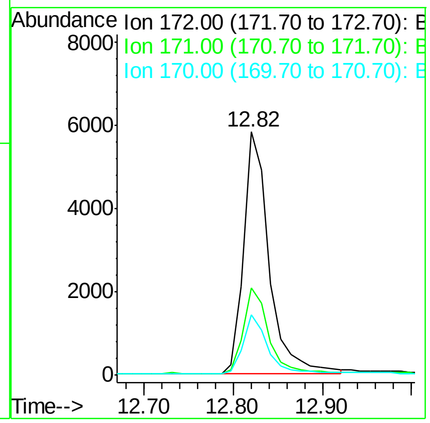


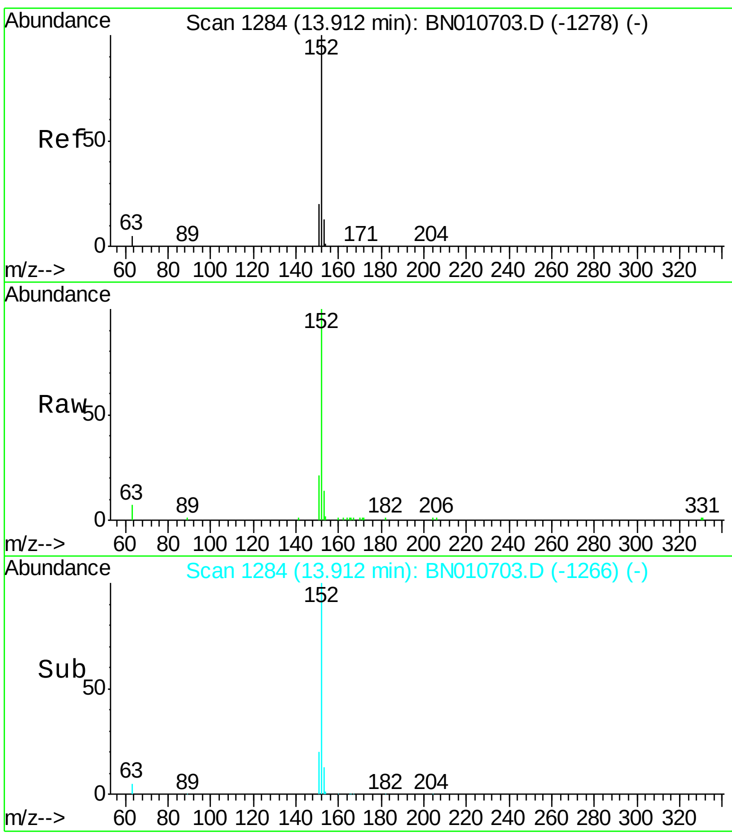
#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 12.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 11542

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.8	19.8	29.8

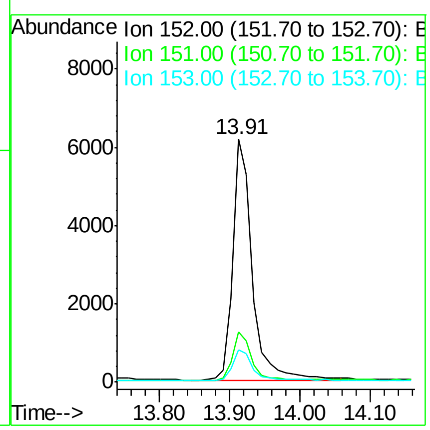


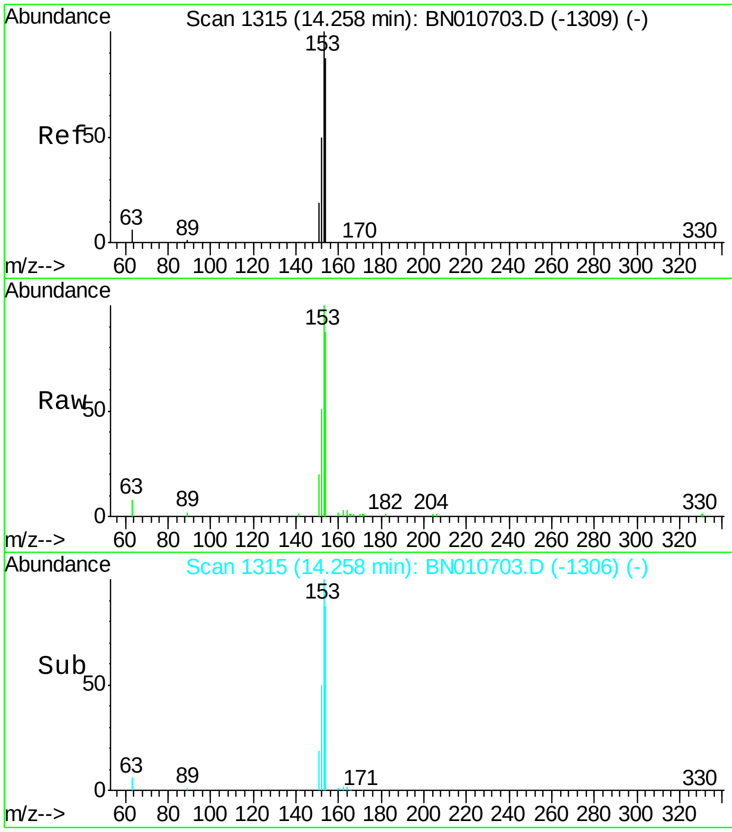


#16
Acenaphthylene
Concen: 0.36 ng
RT: 13.91 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:152 Resp: 12003

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.0	10.4	15.6



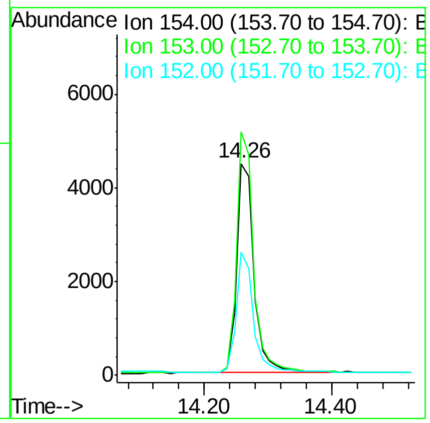


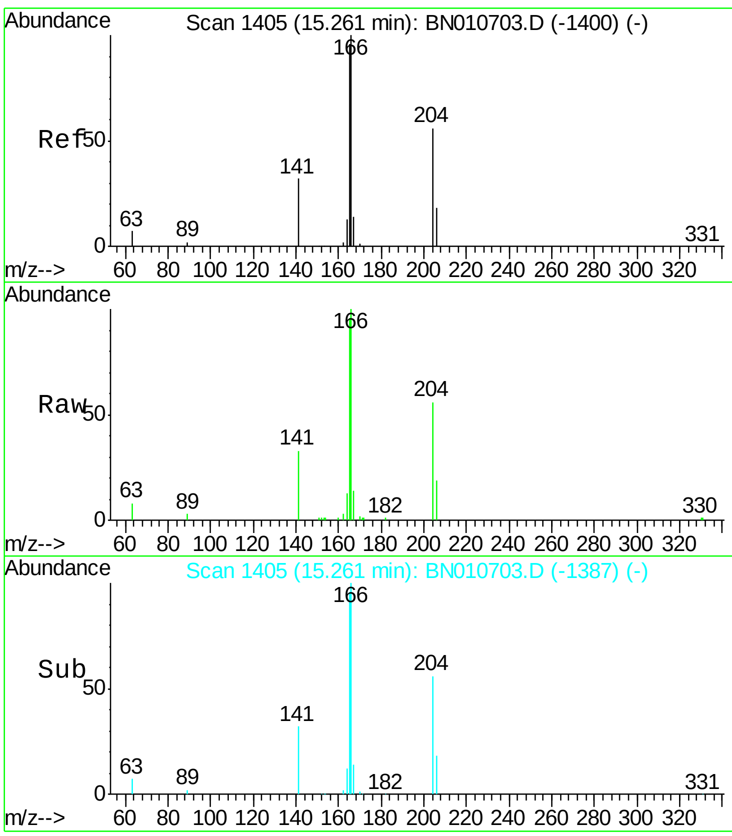
#17
Acenaphthene
Concen: 0.40 ng
RT: 14.26 min   Scan# 1315
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020   11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 8638

Ion	Ratio	Lower	Upper
154	100		
153	112.4	91.5	137.3
152	56.0	45.6	68.4

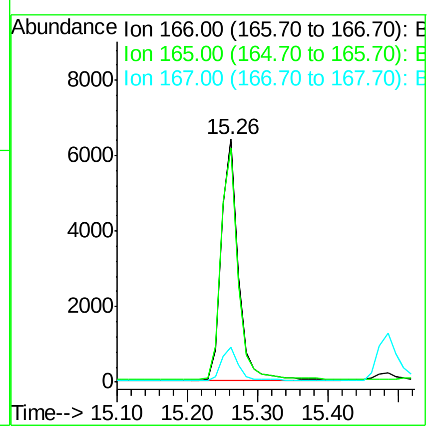


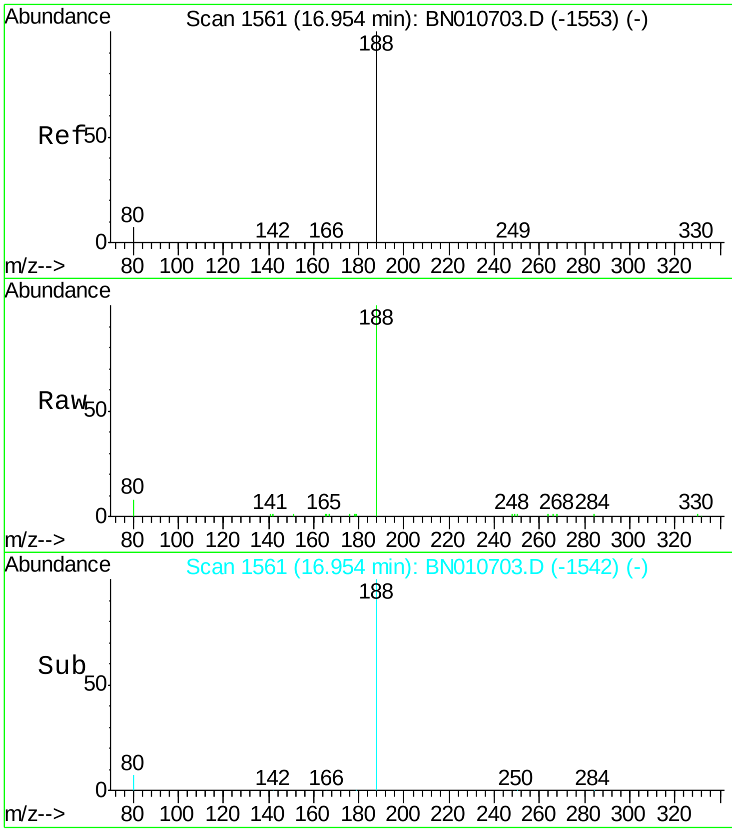


#18
Fluorene
Concen: 0.39 ng
RT: 15.26 min   Scan# 1405
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020   11:21

Tgt Ion:166 Resp: 10907

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.9	116.9
167	13.7	11.0	16.4



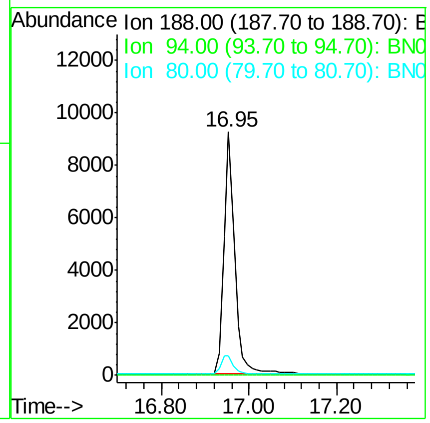


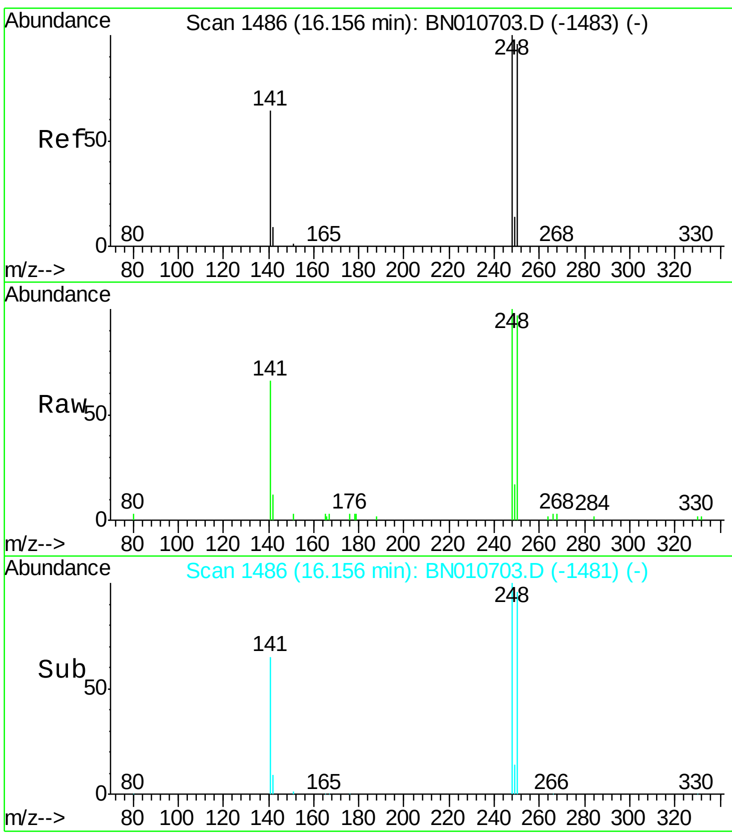
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 15979

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	6.3	9.5

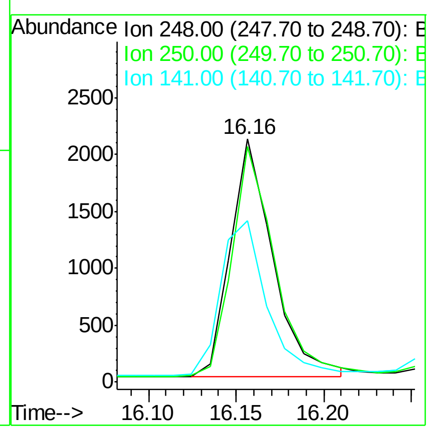


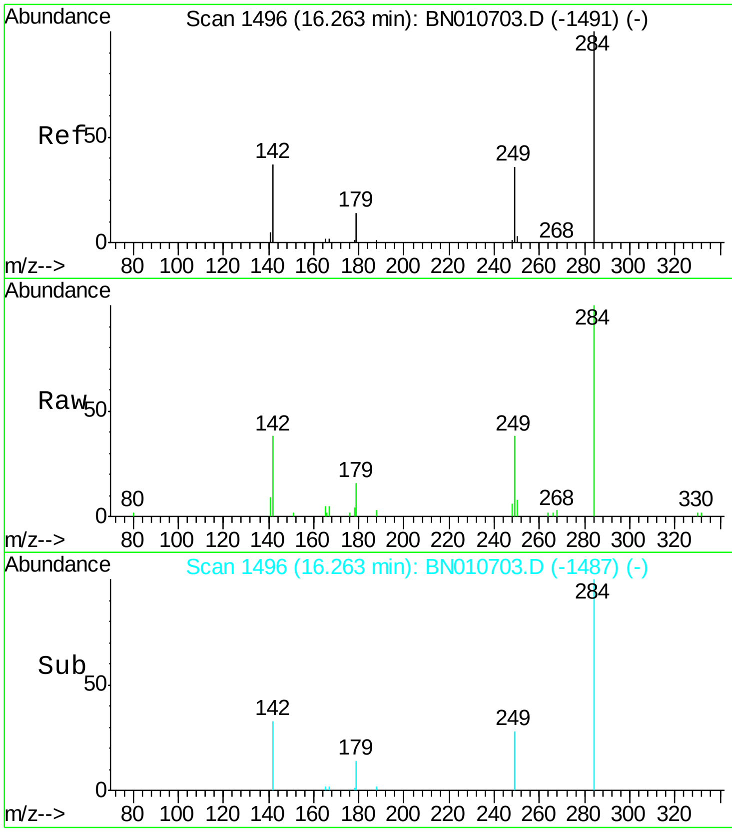


#20
4-Bromophenyl-phenylether
Concen: 0.40 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:248 Resp: 3514

Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.4	116.0
141	66.4	53.1	79.7



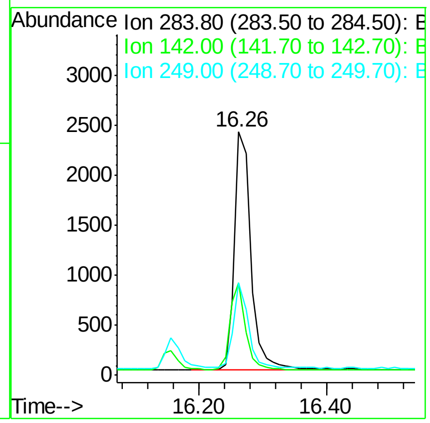


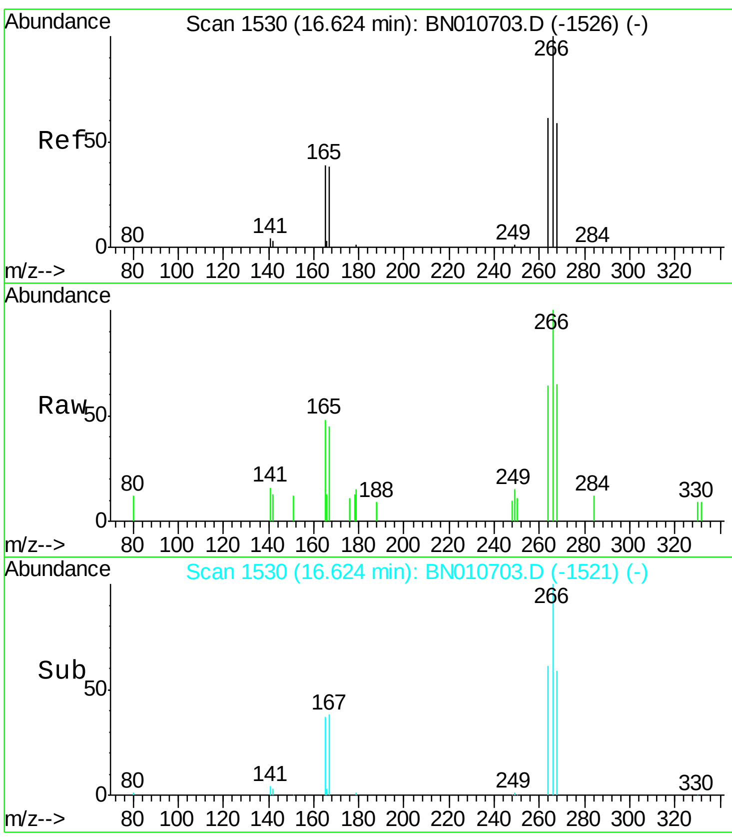
#21
Hexachlorobenzene
Concen: 0.42 ng
RT: 16.26 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Tgt Ion:284 Resp: 4240

Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.2	42.2
249	32.9	26.4	39.6

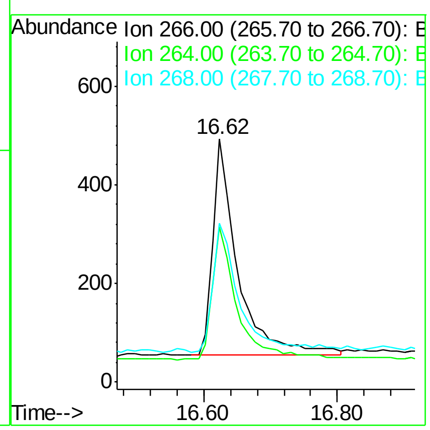


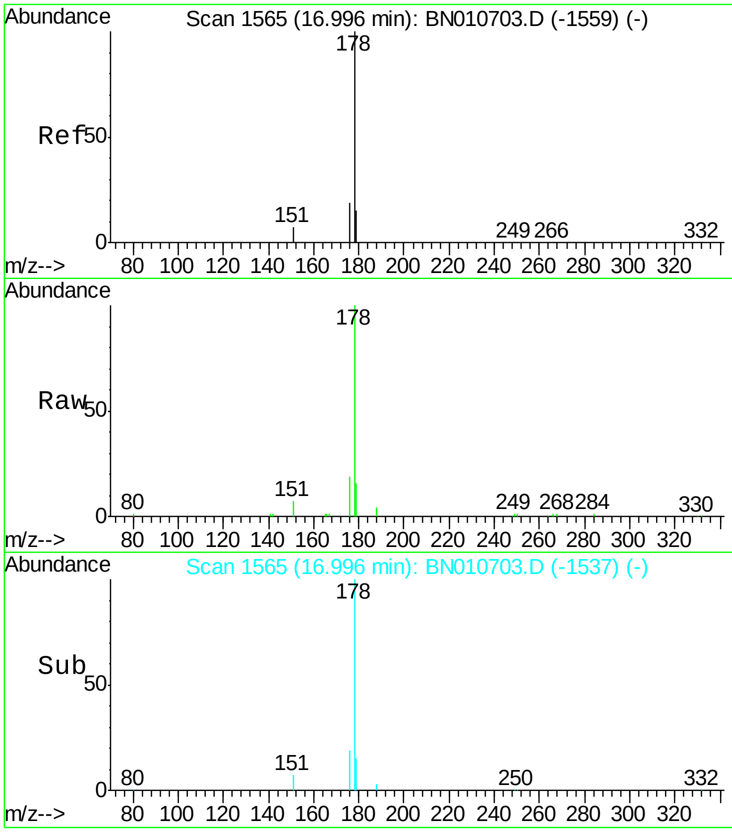


#22
Pentachlorophenol
Concen: 0.28 ng
RT: 16.62 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:266 Resp: 1131

Ion	Ratio	Lower	Upper
266	100		
264	63.9	51.1	76.7
268	65.1	52.1	78.1



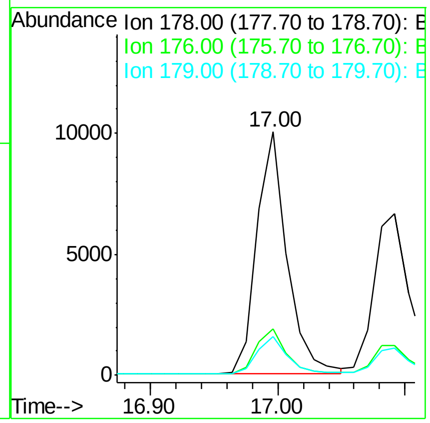


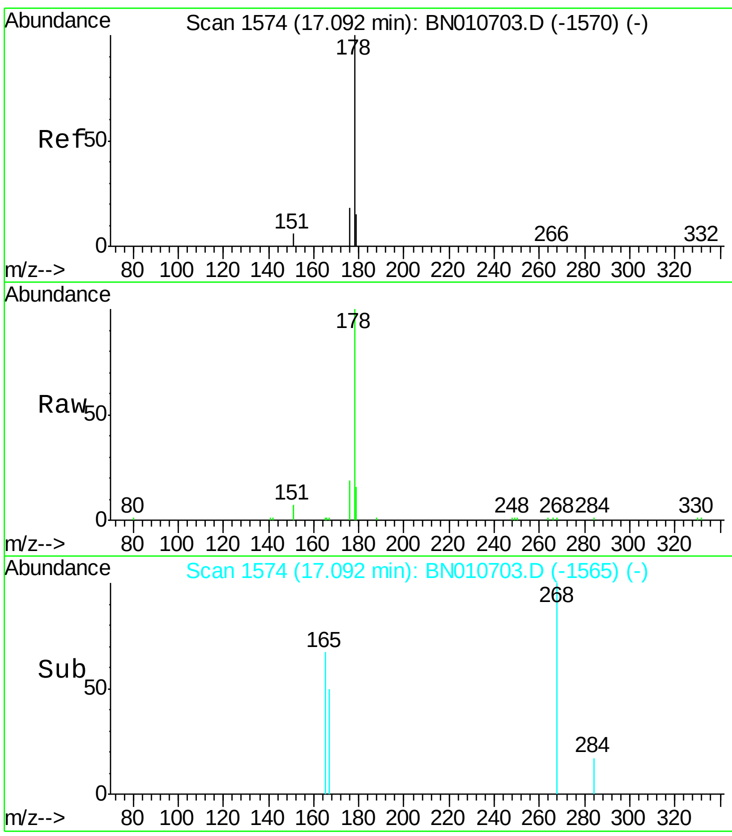
#23
Phenanthrene
Concen: 0.39 ng
RT: 17.00 min   Scan# 1565
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 16636

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.3	12.2	18.4

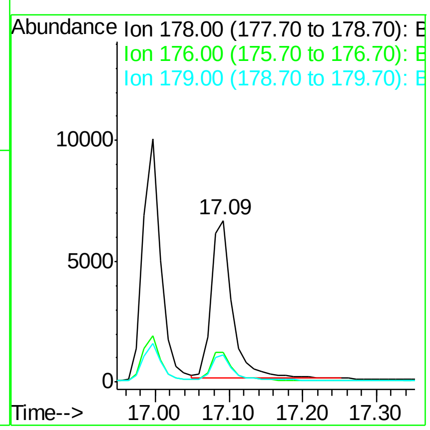


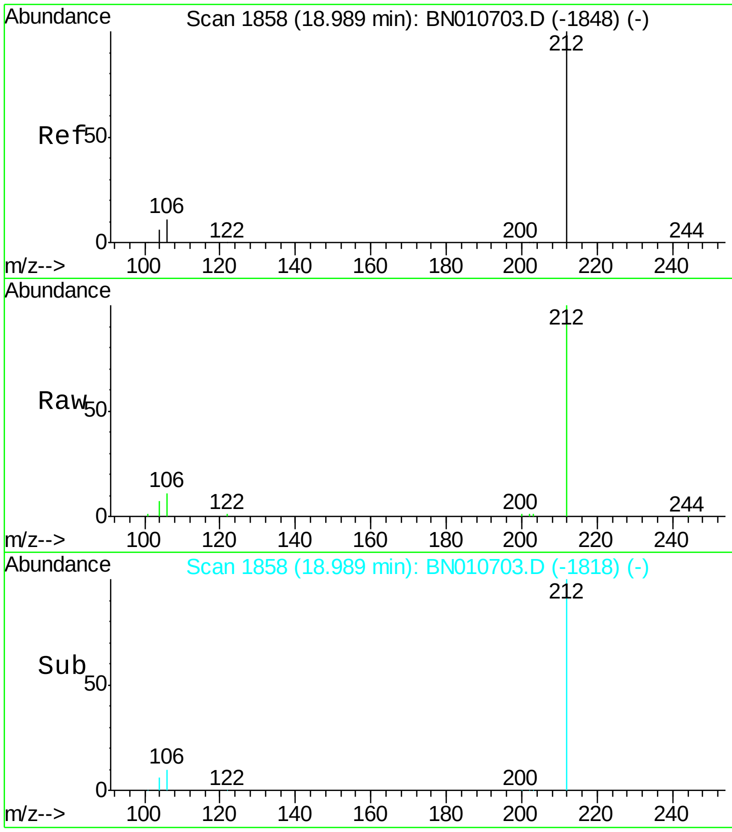


#24
Anthracene
Concen: 0.34 ng
RT: 17.09 min   Scan# 1574
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:178 Resp: 13408

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.3	18.5



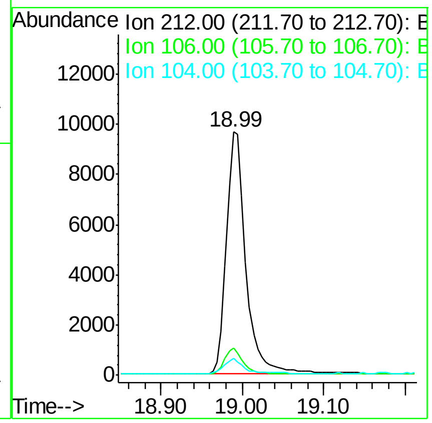


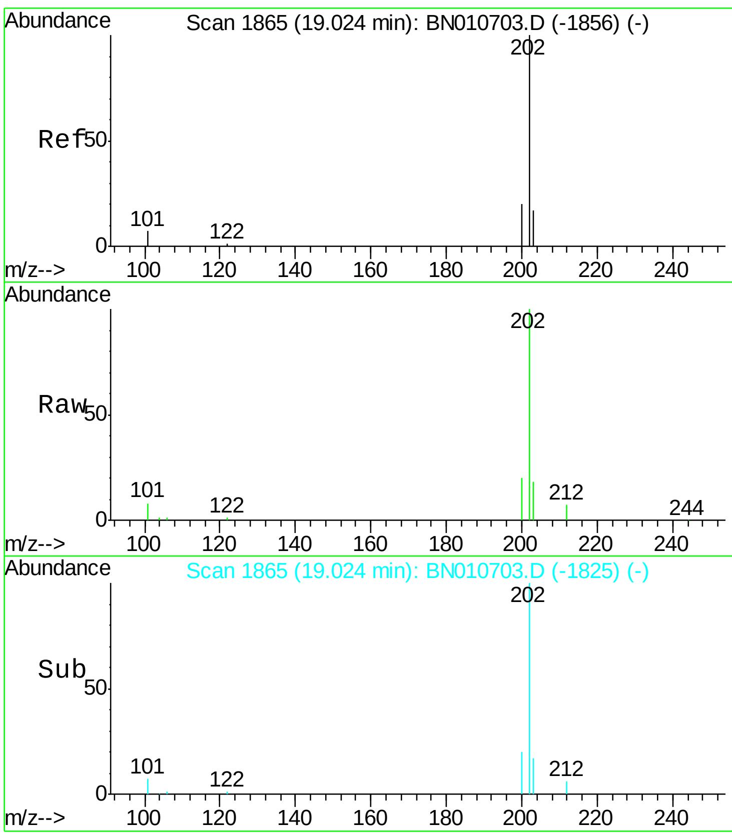
#25
Fluoranthene-d10
Concen: 0.33 ng
RT: 18.99 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Tgt Ion:212 Resp: 16065

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.9	4.7	7.1

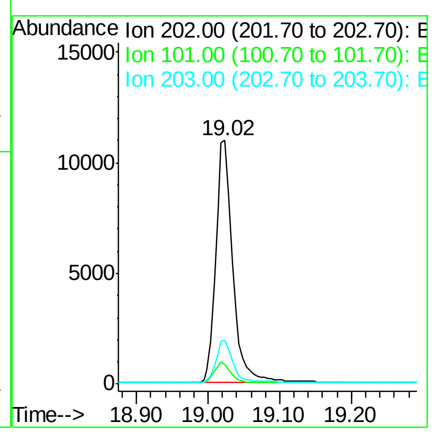


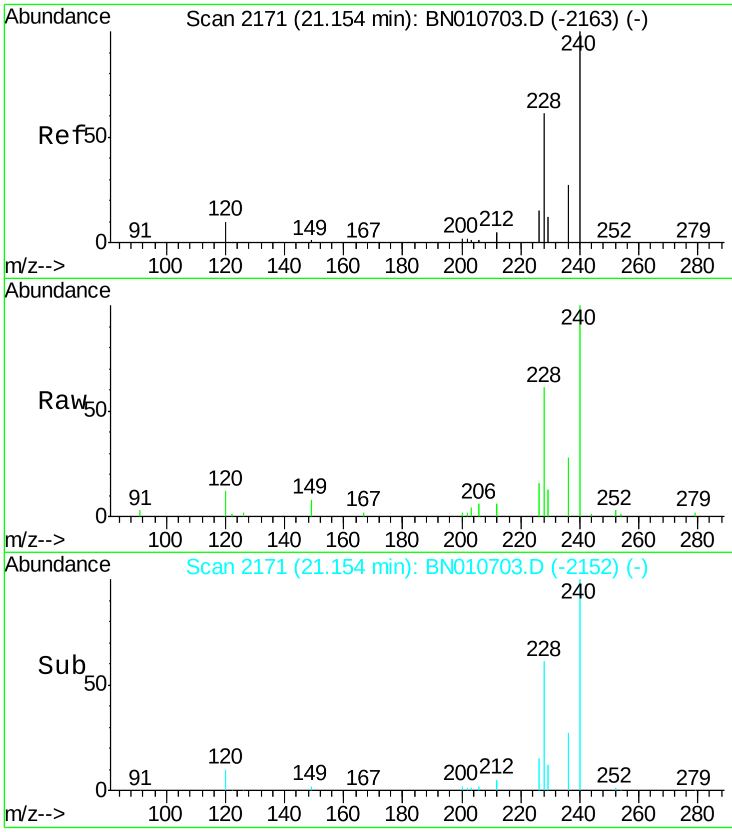


#26
Fluoranthene
Concen: 0.34 ng
RT: 19.02 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:202 Resp: 18148

Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.7	10.1
203	16.7	13.4	20.0



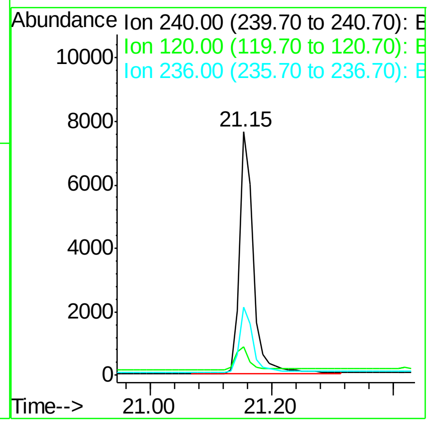


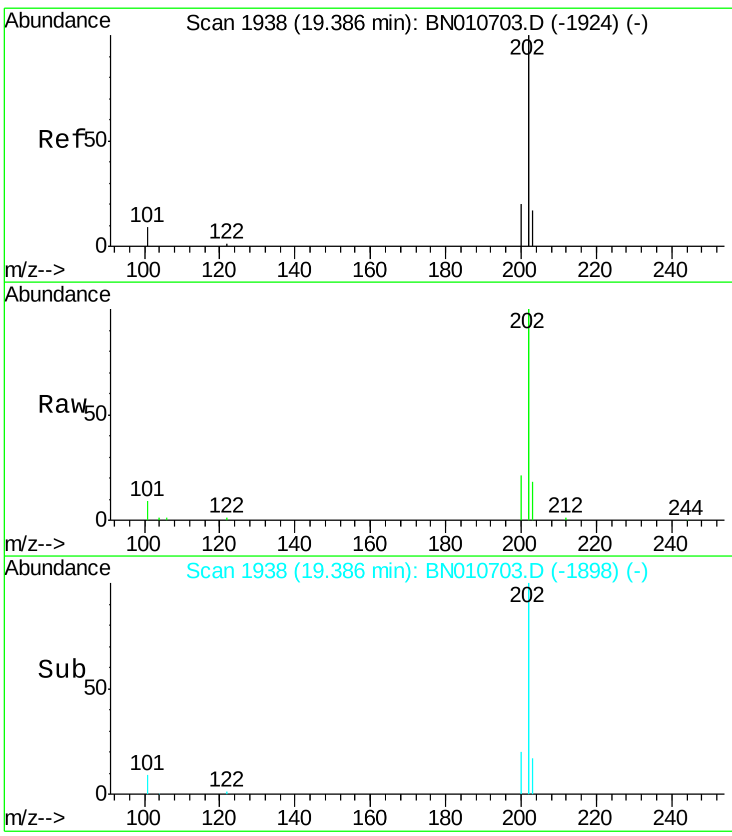
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.15 min Scan# 2171
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 12279

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	28.1	22.5	33.7

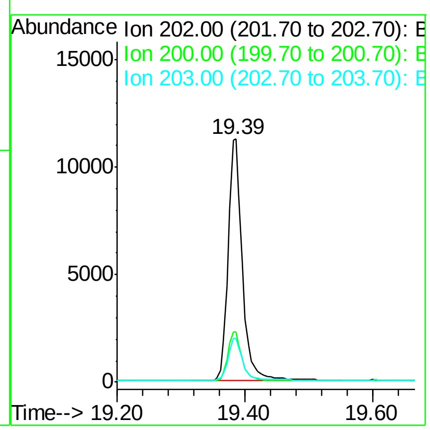


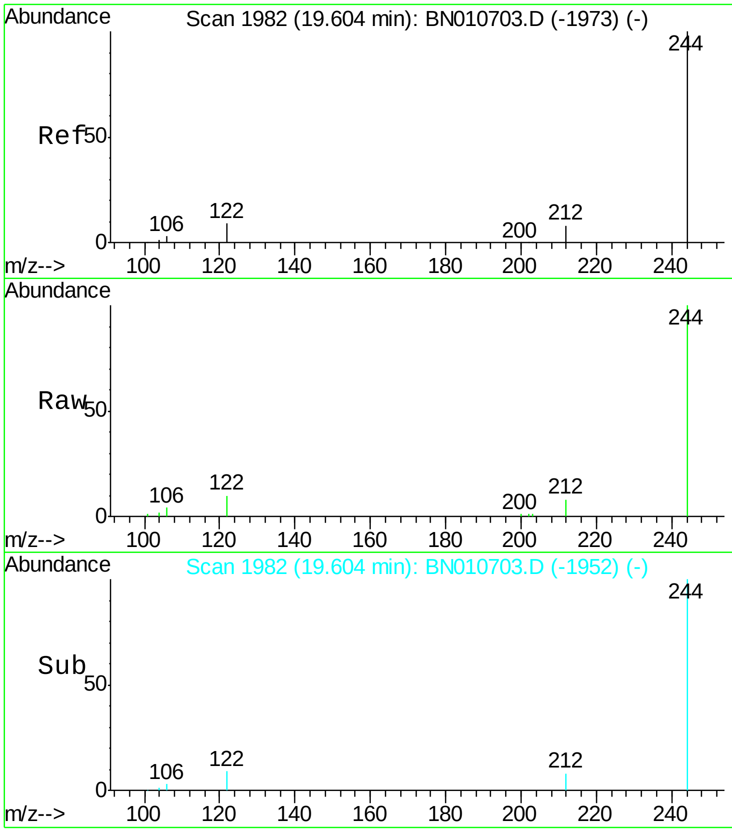


#28
Pyrene
Concen: 0.43 ng
RT: 19.39 min Scan# 1938
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:202 Resp: 17967

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.6	14.1	21.1



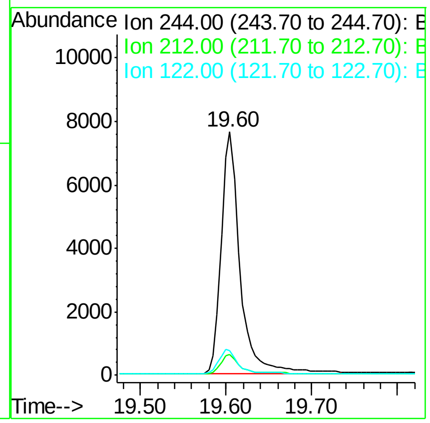


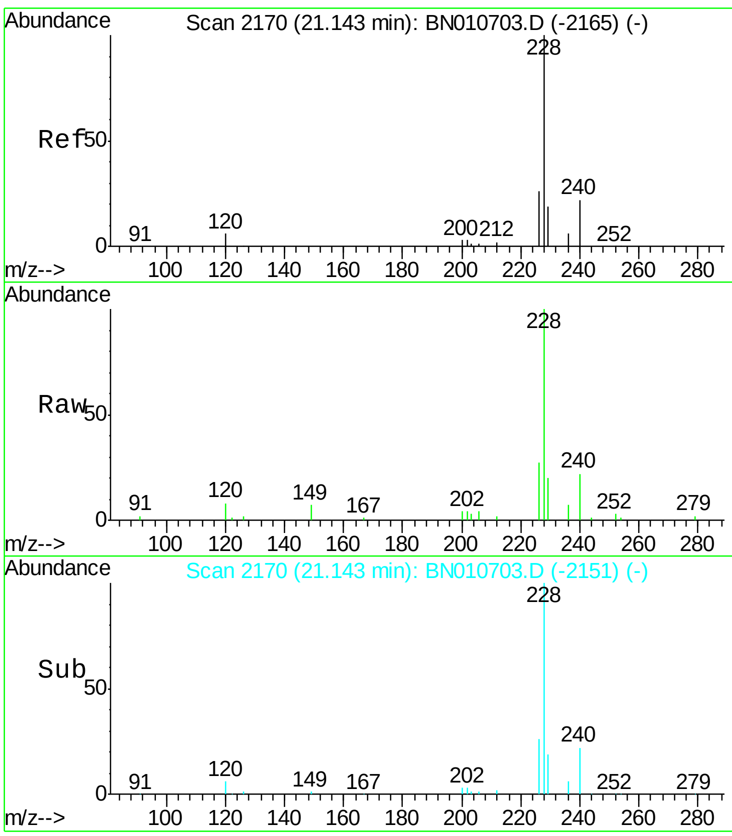
#29
Terphenyl-d14
Concen: 0.42 ng
RT: 19.60 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 11777

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.8	10.2
122	10.1	8.1	12.1

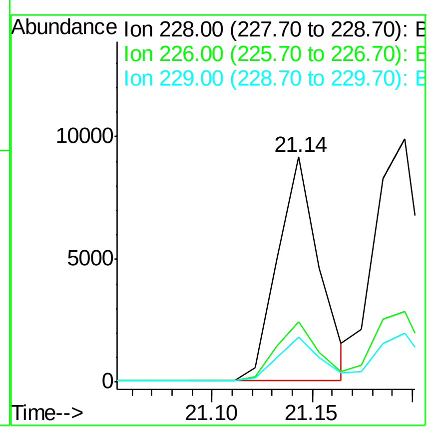


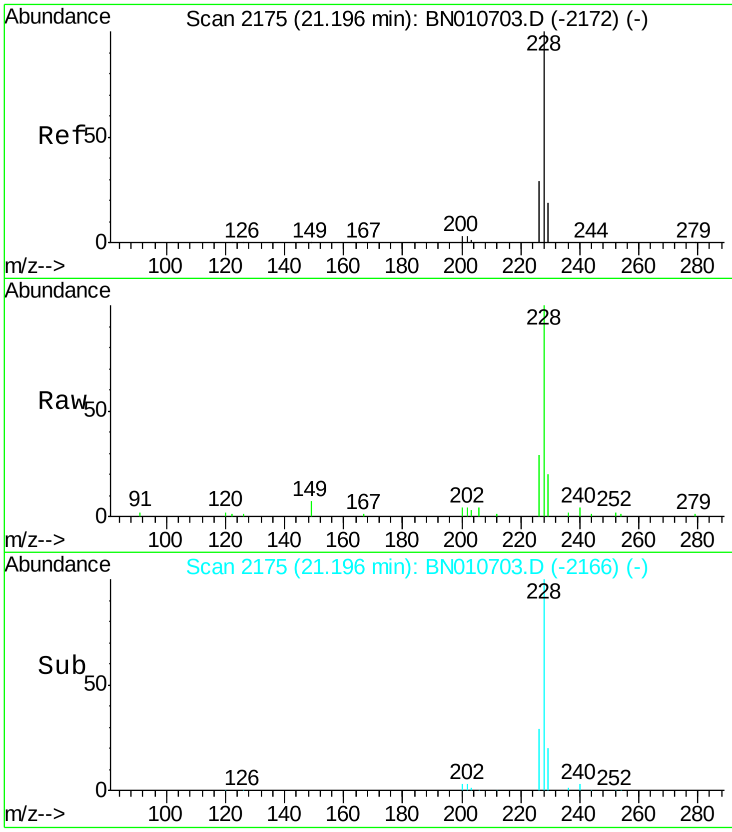


#30
Benzo(a)anthracene
Concen: 0.33 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:228 Resp: 13258

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	20.0	16.0	24.0



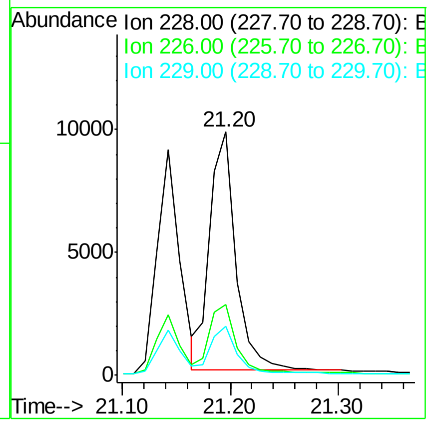


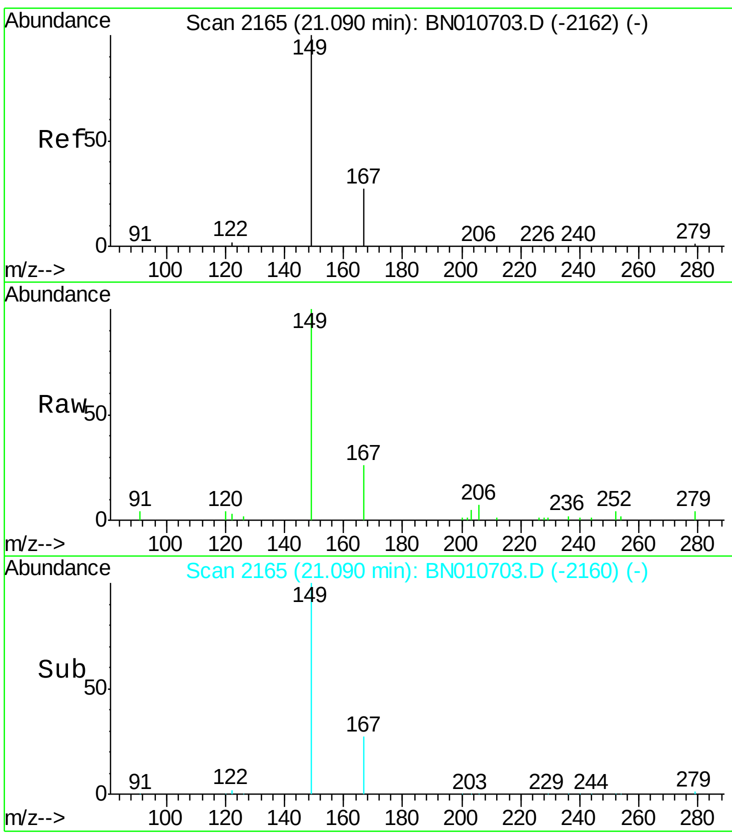
#31
Chrysene
Concen: 0.41 ng
RT: 21.20 min   Scan# 2175
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 16377

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.0
229	20.1	16.1	24.1

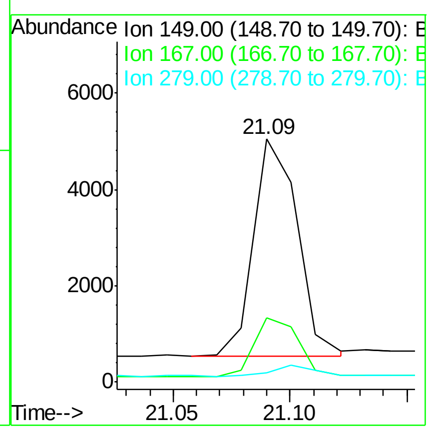


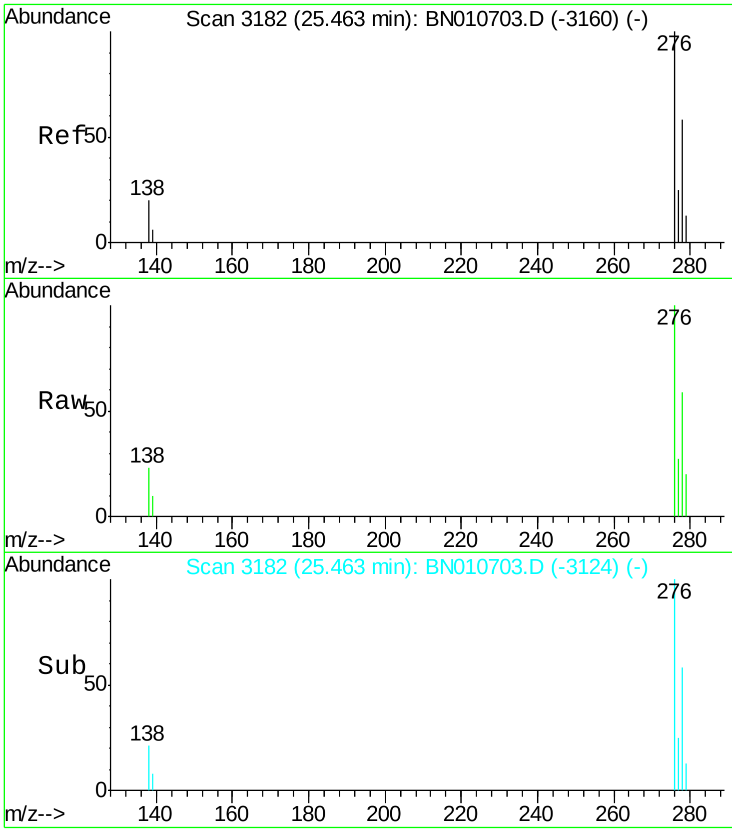


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.29 ng
RT: 21.09 min   Scan# 2165
Delta R.T.   0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:149 Resp: 5891

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	5.1	4.1	6.1



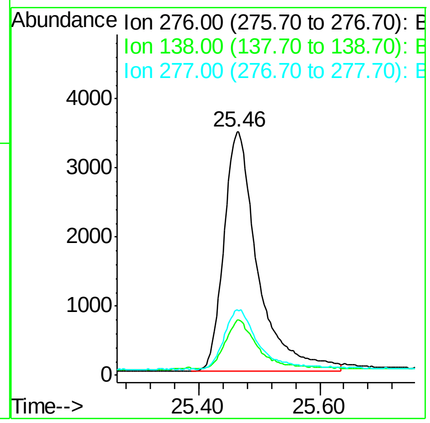


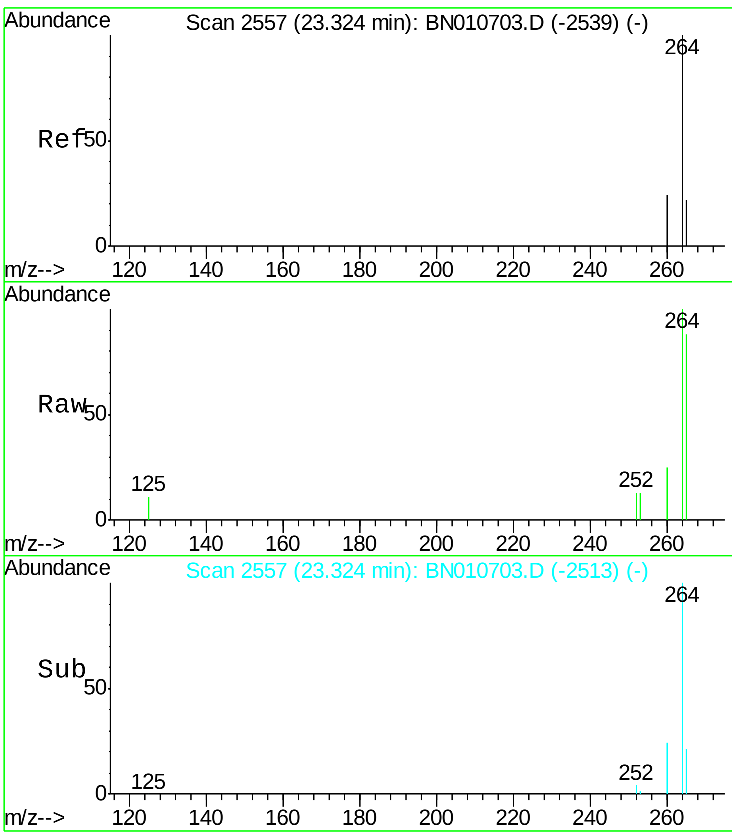
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.38 ng
RT: 25.46 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Tgt Ion:276 Resp: 13566

Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.1	22.7
277	24.2	19.4	29.0

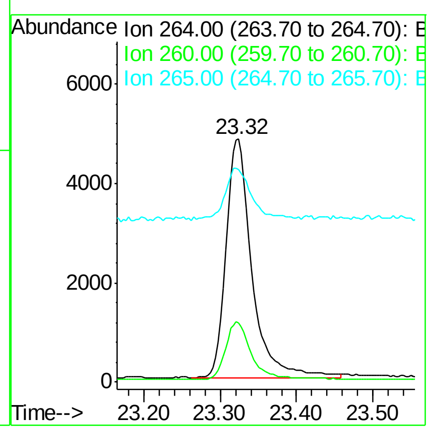


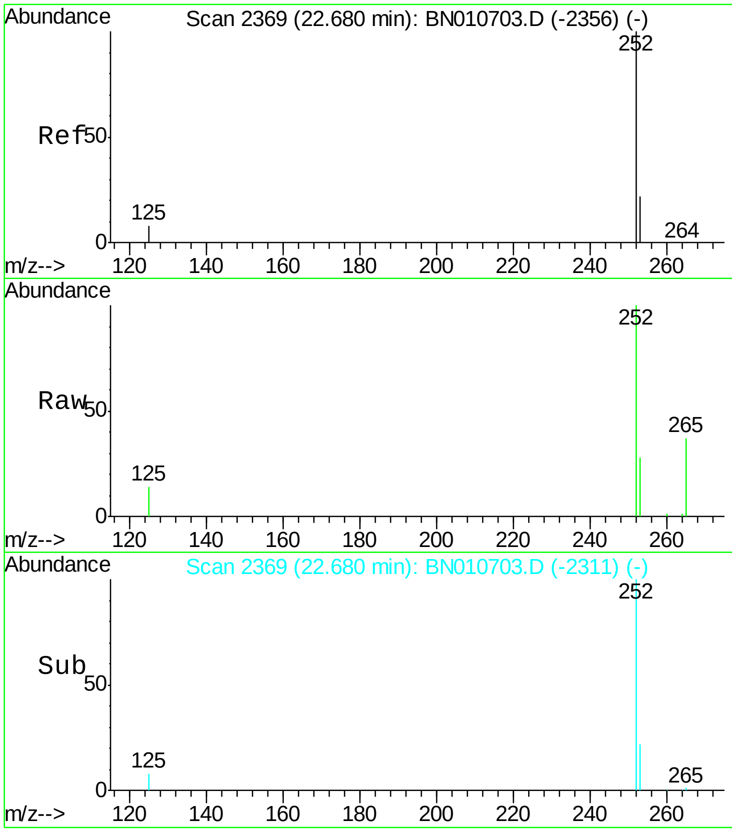


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.32 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:264 Resp: 11464

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	87.6	70.1	105.1



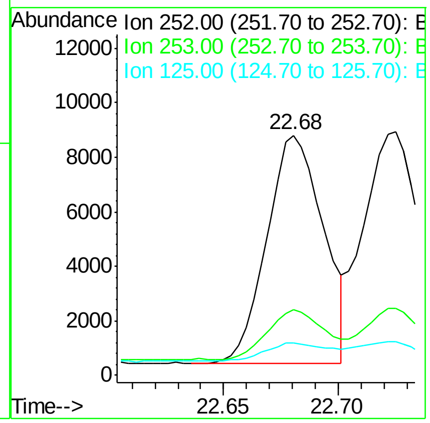


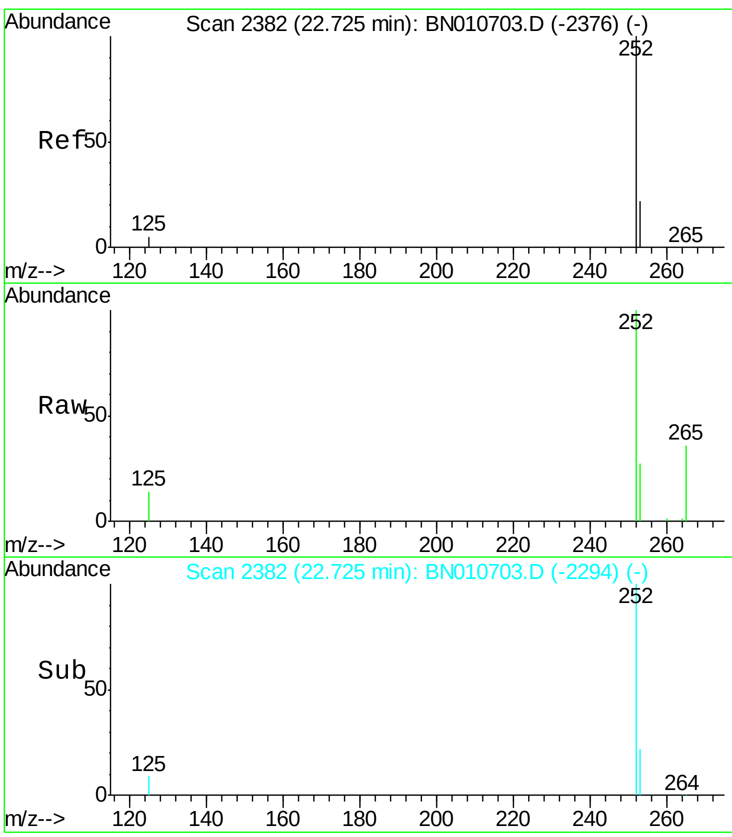
#35
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 22.68 min Scan# 2369
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 14331

Ion	Ratio	Lower	Upper
252	100		
253	27.5	22.0	33.0
125	13.5	10.8	16.2

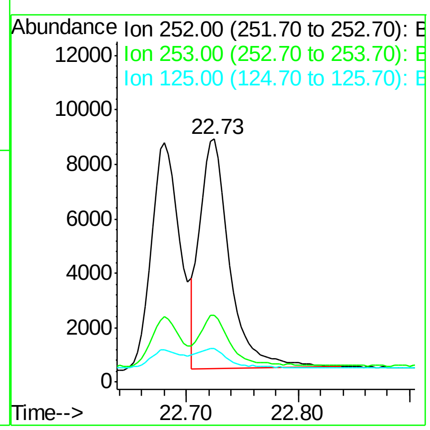


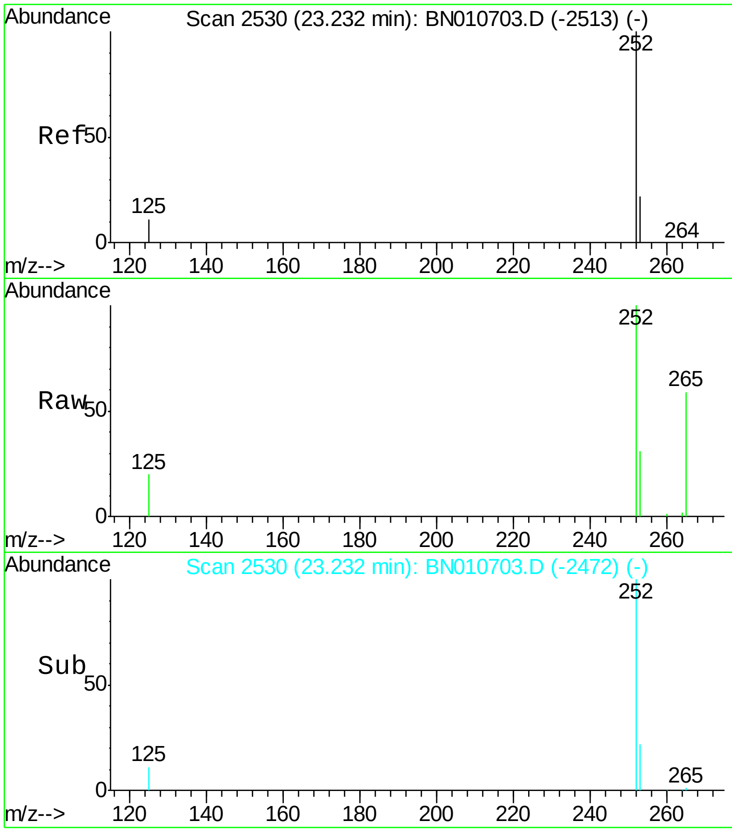


#36
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 22.73 min Scan# 2382
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:252 Resp: 15784

Ion	Ratio	Lower	Upper
252	100		
253	27.4	21.9	32.9
125	13.9	11.1	16.7



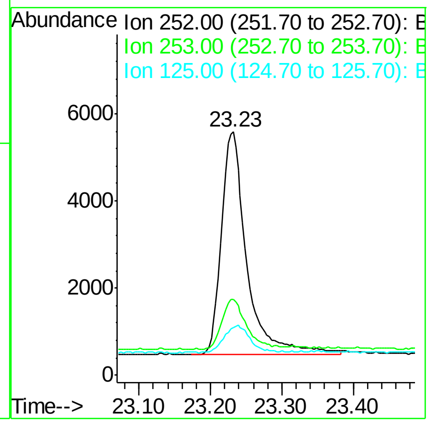


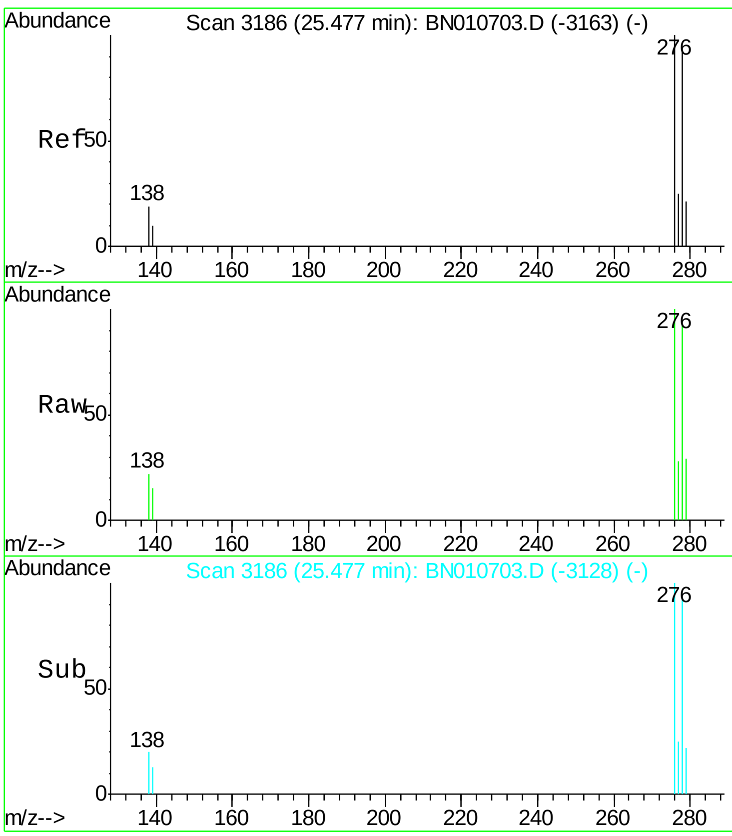
#37
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.23 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Tgt Ion:252 Resp: 12742

Ion	Ratio	Lower	Upper
252	100		
253	31.0	24.8	37.2
125	19.7	15.8	23.6

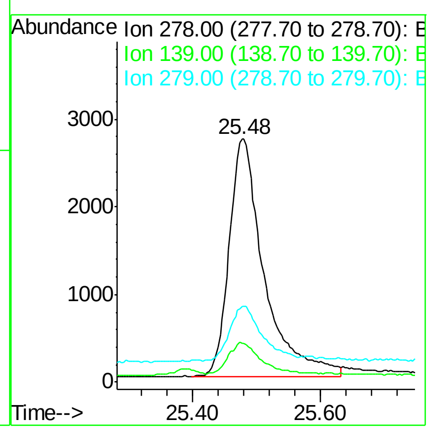


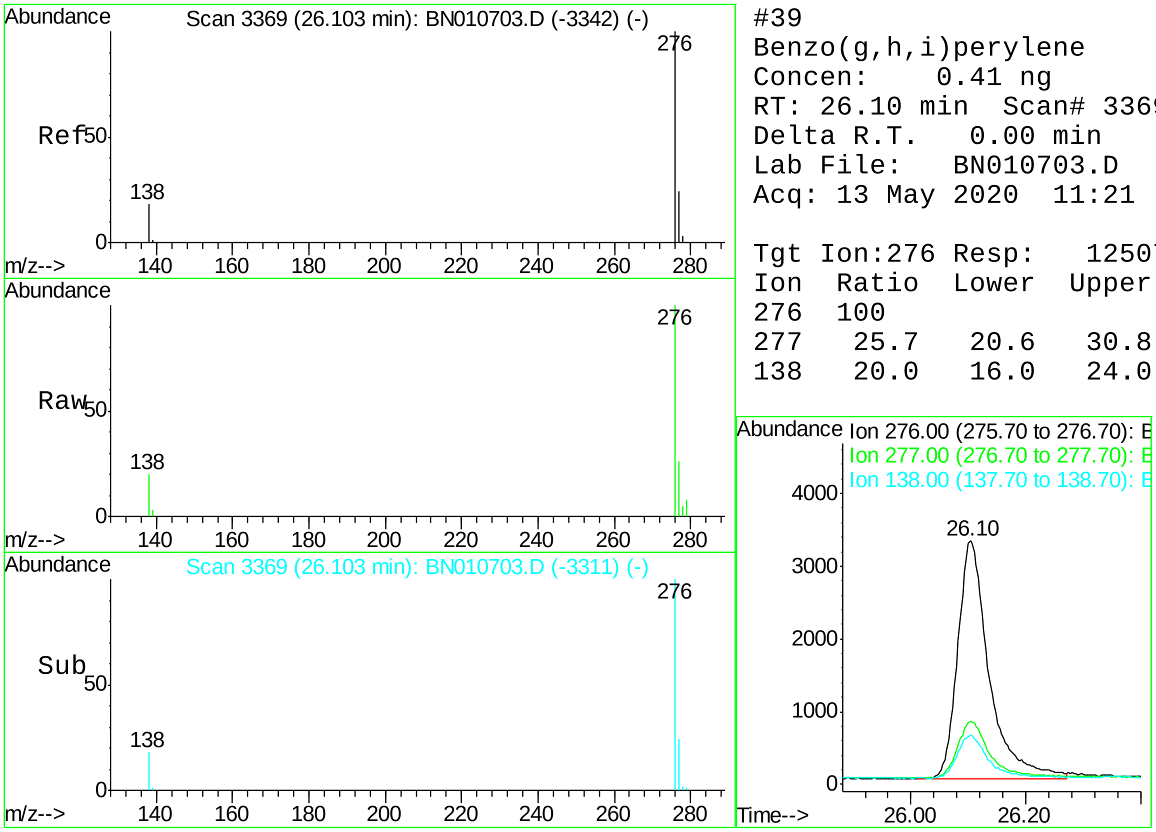


#38
Dibenzo(a,h)anthracene
Concen: 0.34 ng
RT: 25.48 min Scan# 3186
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Tgt Ion:278 Resp: 10268

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	31.4	25.1	37.7





#39
Benzo(g,h,i)perylene
Concen: 0.41 ng
RT: 26.10 min Scan# 3369
Delta R.T. 0.00 min
Lab File: BN010703.D
Acq: 13 May 2020 11:21

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Tgt Ion:276 Resp: 12507

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.6	30.8
138	20.0	16.0	24.0