Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
Data File : BN010573.D
Acq On : 21 Apr 2020 19:10
Operator : CG/JU
Sample : L2338-03MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BP-HN-24S-20200414MS

Quant Time: Apr 21 19:41:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 21 13:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2899	0.40	ng		0.00
7) Naphthalene-d8	10.35	136	12553	0.40	ng		0.00
13) Acenaphthene-d10	14.22	164	8228	0.40	ng		0.01
19) Phenanthrene-d10	16.96	188	19504	0.40	ng		0.00
27) Chrysene-d12	21.17	240	19315	0.40	ng		0.00
34) Perylene-d12	23.34	264	17346	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	1203	0.19	ng		0.00
5) Phenol-d6	6.79	99	946	0.11	ng		0.00
8) Nitrobenzene-d5	8.73	82	3725	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	11.95	152	8379	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.72	330	1735	0.45	ng		0.00
15) 2-Fluorobiphenyl	12.84	172	13151	0.44	ng		0.00
25) Fluoranthene-d10	19.00	212	24099	0.41	ng		0.00
29) Terphenyl-d14	19.62	244	21825	0.49	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	297	0.139	ng	#	64
3) n-Nitrosodimethylamine	3.55	42	365	0.264	ng	#	78
6) bis(2-Chloroethyl)ether	7.03	93	4029	0.560	ng		98
9) Naphthalene	10.41	128	16640	0.534	ng		100
10) Hexachlorobutadiene	10.71	225	3255	0.433	ng	#	100
12) 2-Methylnaphthalene	12.02	142	12465	0.557	ng		99
16) Acenaphthylene	13.93	152	19577	0.551	ng		100
17) Acenaphthene	14.28	154	12662	0.554	ng		97
18) Fluorene	15.27	166	17078	0.571	ng		100
20) 4-Bromophenyl-phenylether	16.17	248	5582	0.515	ng	#	81
21) Hexachlorobenzene	16.28	284	6532	0.528	ng		99
22) Pentachlorophenol	16.63	266	6905	1.419	ng		97
23) Phenanthrene	17.01	178	29538	0.561	ng		100
24) Anthracene	17.10	178	27733	0.576	ng		100
26) Fluoranthene	19.03	202	38245	0.583	ng		100
28) Pyrene	19.40	202	38908	0.598	ng		99
30) Benzo(a)anthracene	21.15	228	34980	0.555	ng		98
31) Chrysene	21.21	228	34016	0.542	ng		99
32) Bis(2-ethylhexyl)phthalate	21.11	149	19714	0.610	ng		100
33) Indeno(1,2,3-cd)pyrene	25.49	276	32635	0.588	ng		99
35) Benzo(b)fluoranthene	22.70	252	31063	0.544	ng		98
36) Benzo(k)fluoranthene	22.75	252	31930	0.558	ng		97
37) Benzo(a)pyrene	23.25	252	28786	0.569	ng		99
38) Dibenzo(a,h)anthracene	25.50	278	27194	0.588	ng		98
39) Benzo(g,h,i)perylene	26.14	276	27925	0.600	ng		99

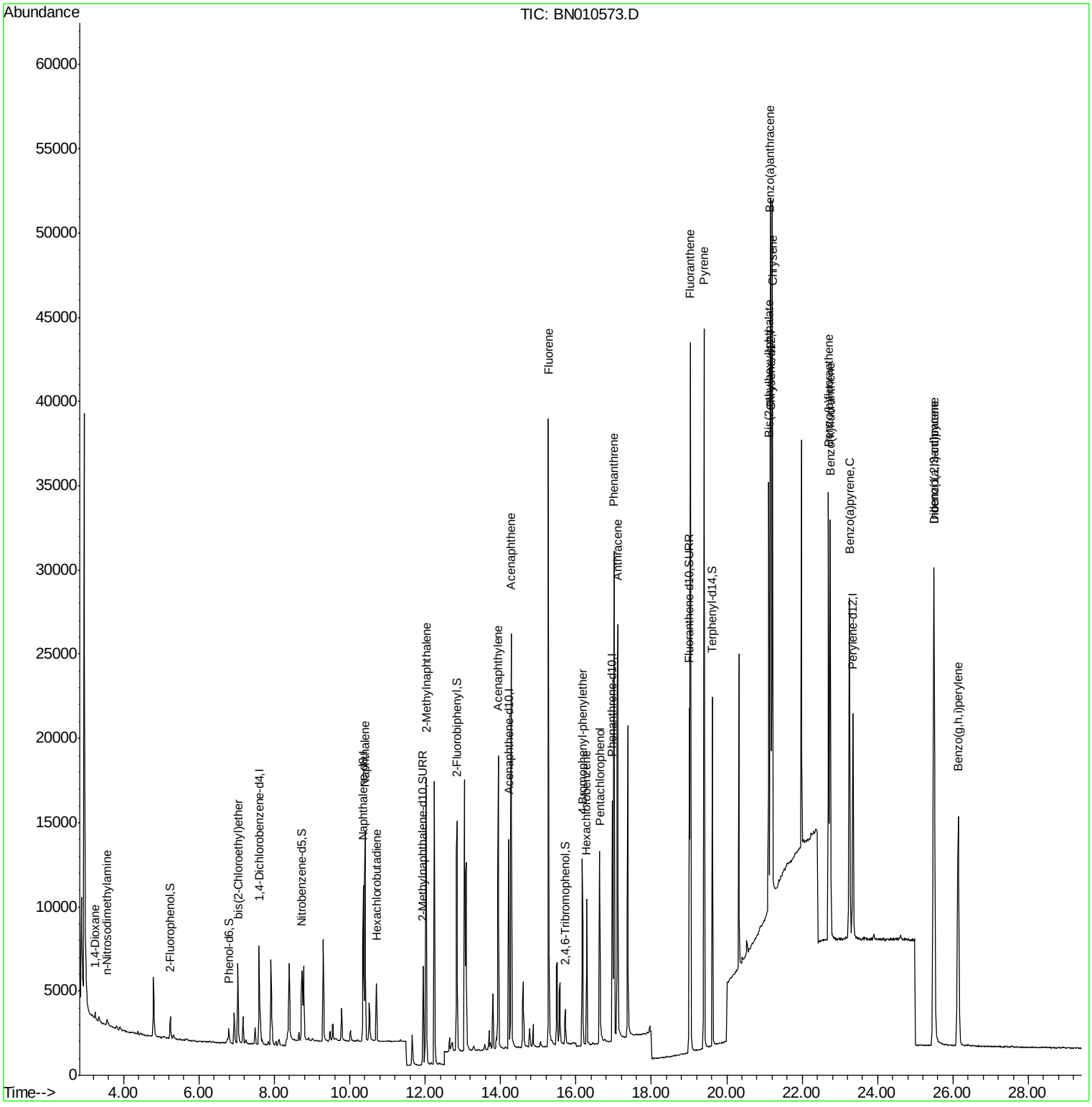
(#) = qualifier out of range (m) = manual integration (+) = signals summed

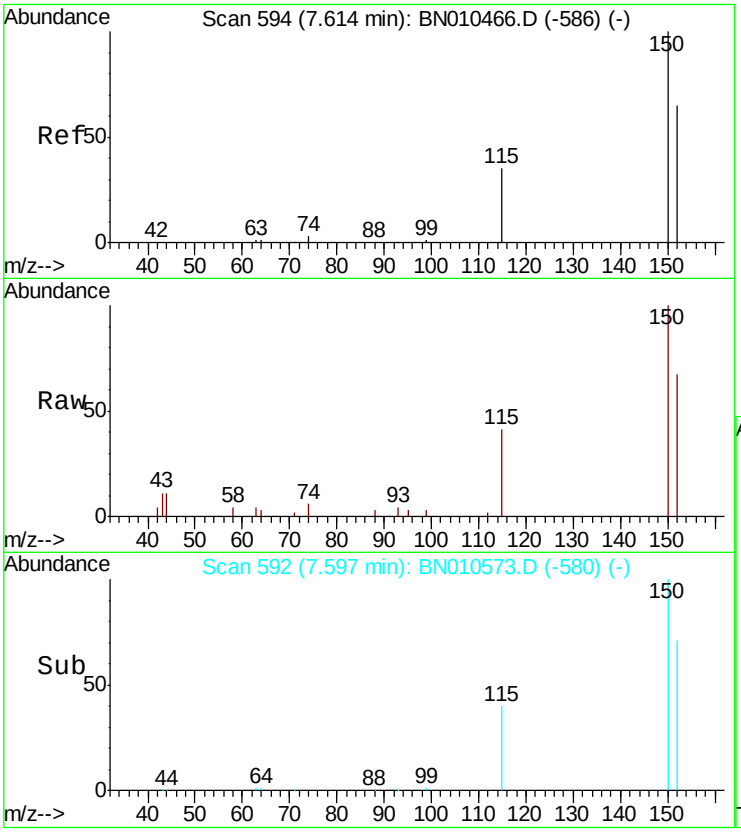
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
Data File : BN010573.D
Acq On : 21 Apr 2020 19:10
Operator : CG/JU
Sample : L2338-03MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Quant Time: Apr 21 19:41:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 21 13:19:17 2020
Response via : Initial Calibration



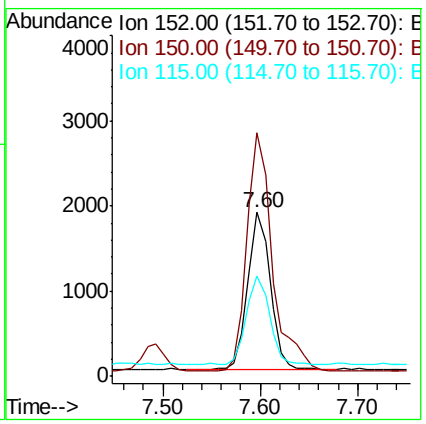


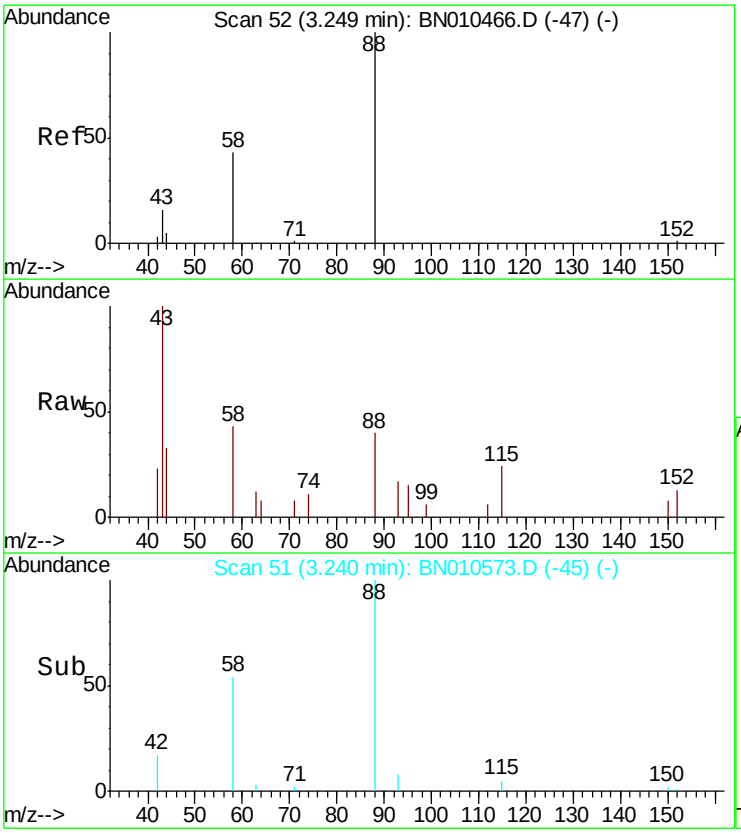
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 592
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:152 Resp: 2899

Ion	Ratio	Lower	Upper
152	100		
150	148.4	121.8	182.6
115	61.0	45.5	68.3

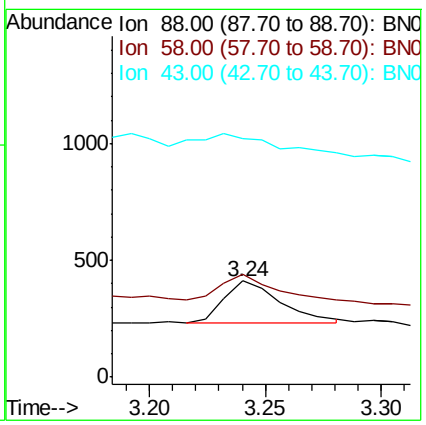


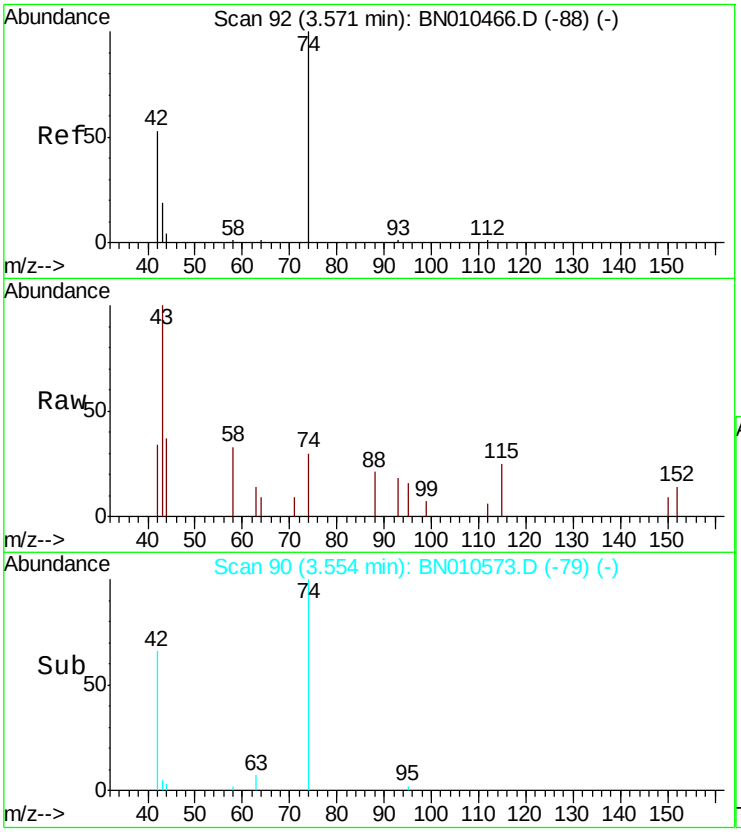


#2
1,4-Dioxane
Concen: 0.139 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion: 88 Resp: 297

Ion	Ratio	Lower	Upper
88	100		
58	53.5	36.5	54.7
43	60.3	13.2	19.8#



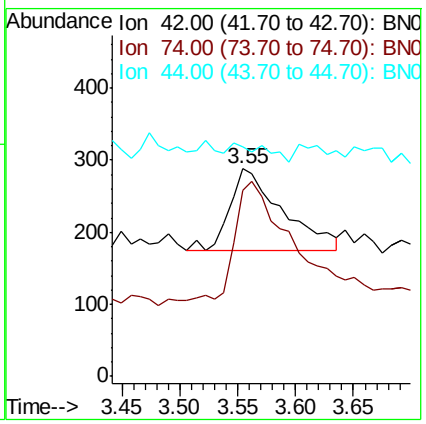


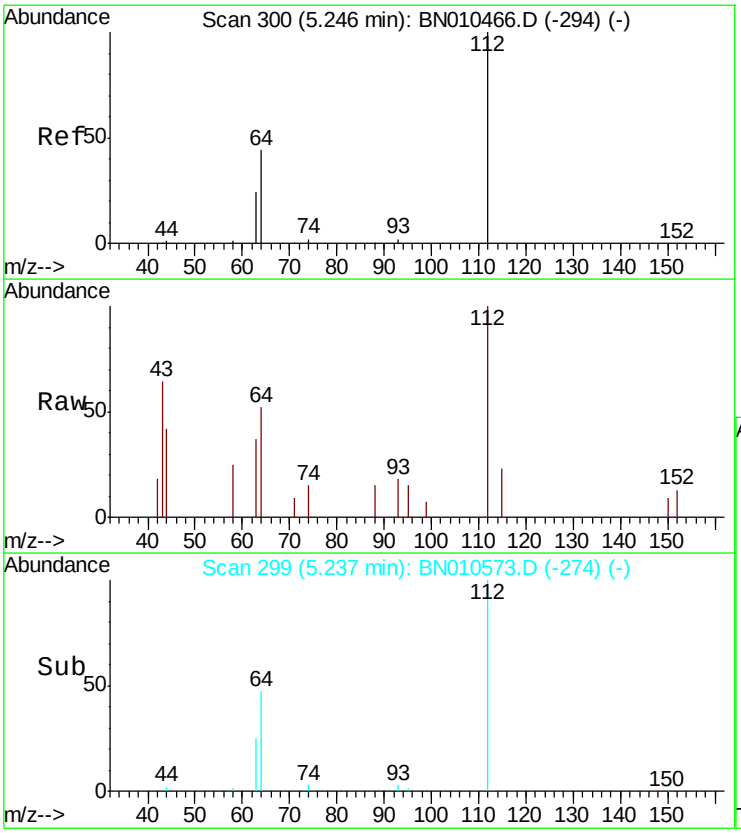
#3
n-Nitrosodimethylamine
Concen: 0.264 ng
RT: 3.55 min Scan# 90
Delta R.T. -0.01 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion: 42 Resp: 365

Ion	Ratio	Lower	Upper
42	100		
74	168.8	162.2	243.4
44	14.2	2.4	3.6#

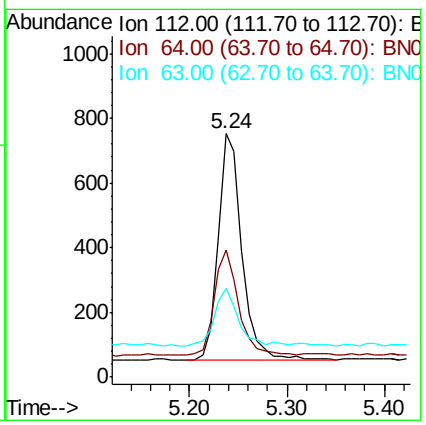


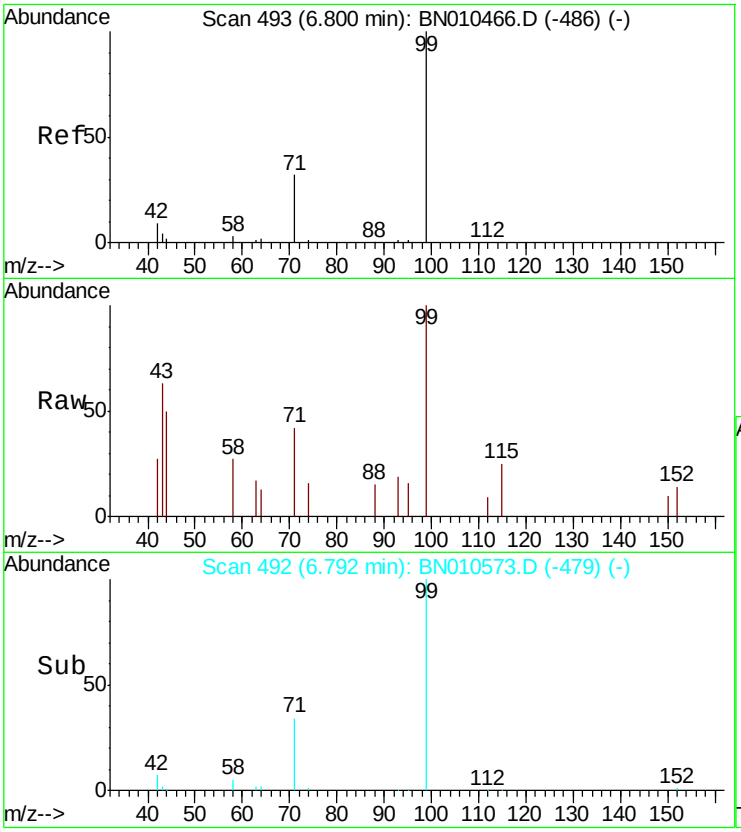


#4
2-Fluorophenol
Concen: 0.189 ng
RT: 5.24 min Scan# 299
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:112 Resp: 1203

Ion	Ratio	Lower	Upper
112	100		
64	47.0	35.8	53.8
63	27.9	19.9	29.9



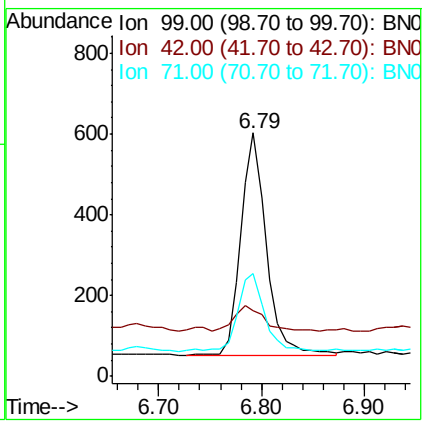


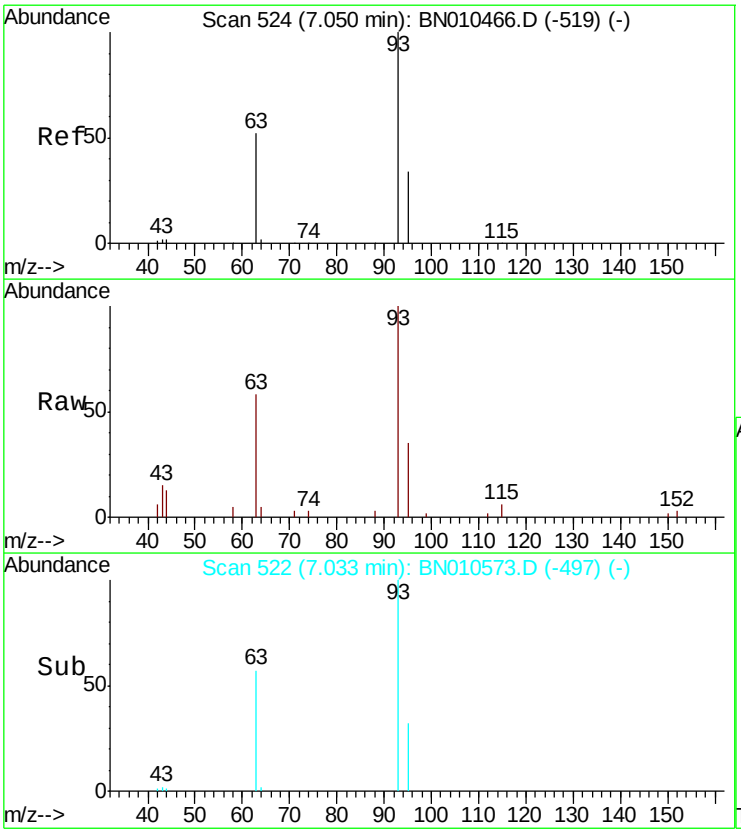
#5
Phenol-d6
Concen: 0.114 ng
RT: 6.79 min Scan# 492
Delta R.T. 0.01 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion: 99 Resp: 946

Ion	Ratio	Lower	Upper
99	100		
42	14.0	9.8	14.6
71	37.2	27.8	41.8

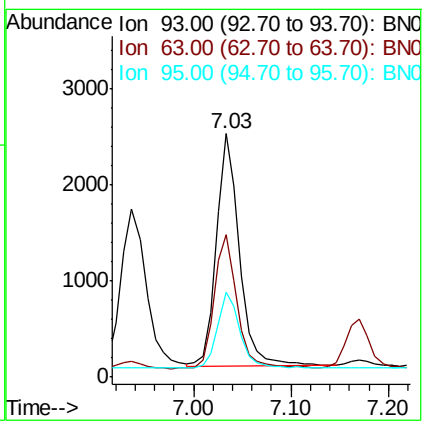


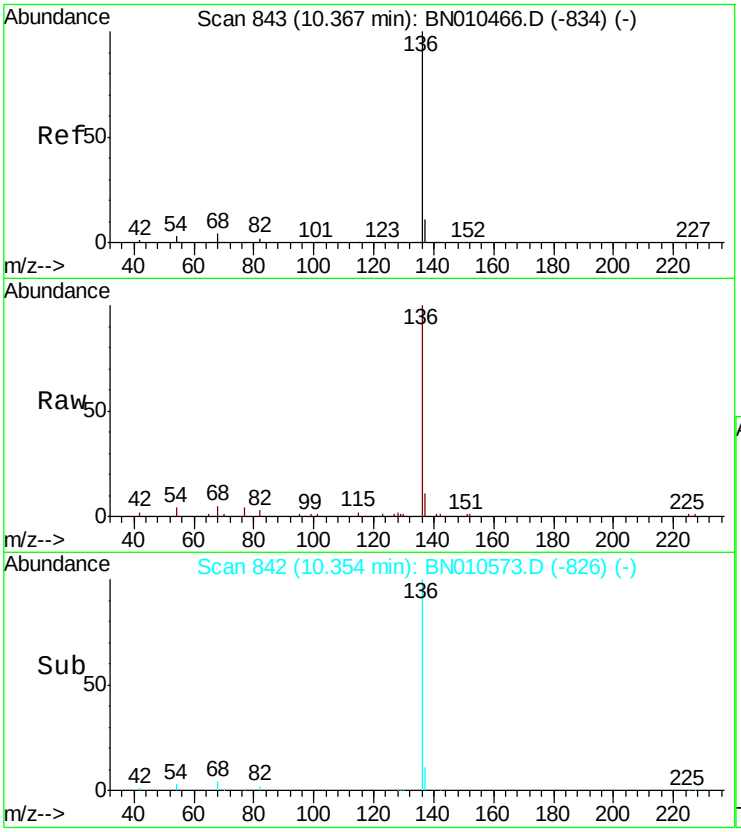


#6
bis(2-Chloroethyl)ether
Concen: 0.560 ng
RT: 7.03 min Scan# 522
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion: 93 Resp: 4029

Ion	Ratio	Lower	Upper
93	100		
63	57.9	44.6	66.8
95	32.9	26.5	39.7



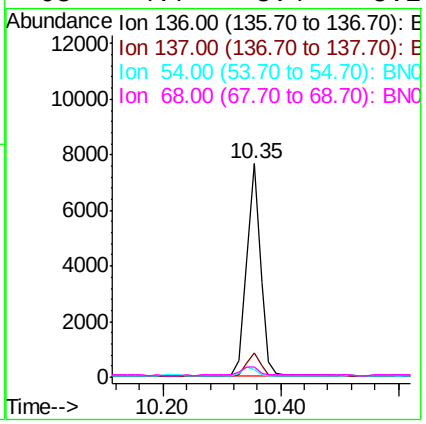


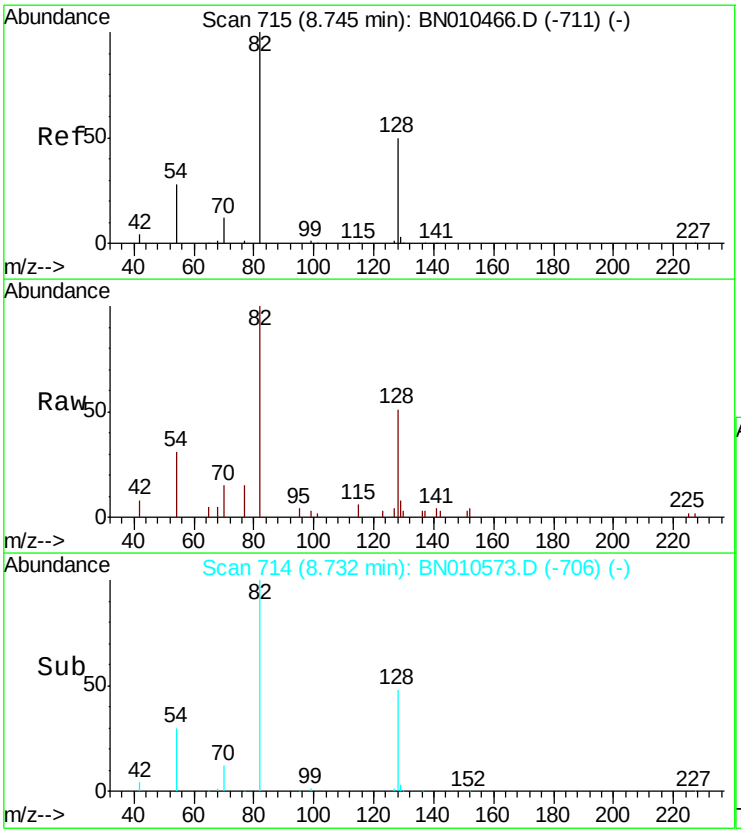
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:136 Resp: 12553

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	3.6	2.6	4.0
68	4.7	3.4	5.2

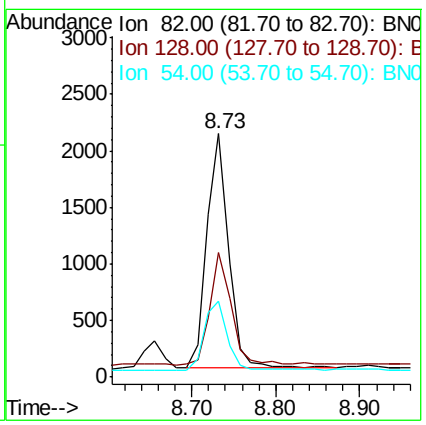


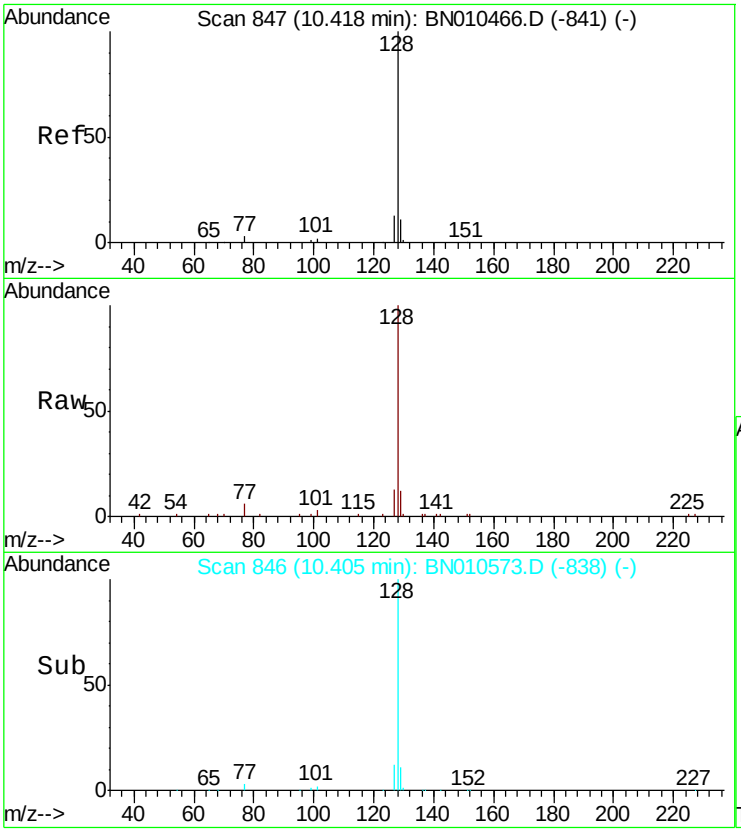


#8
Nitrobenzene-d5
Concen: 0.424 ng
RT: 8.73 min Scan# 714
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion: 82 Resp: 3725

Ion	Ratio	Lower	Upper
82	100		
128	51.2	41.3	61.9
54	31.1	23.4	35.0



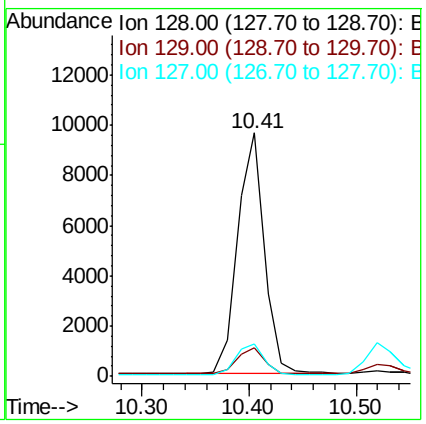


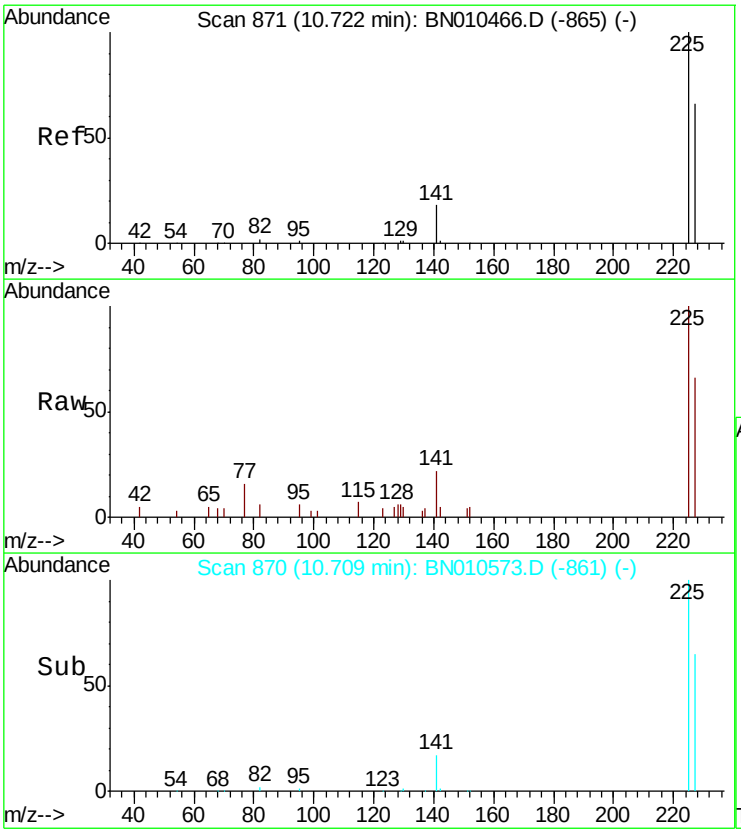
#9
Naphthalene
Concen: 0.534 ng
RT: 10.41 min Scan# 846
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:128 Resp: 16640

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.1	10.5	15.7

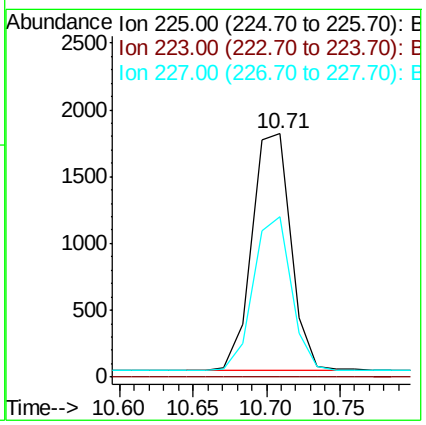


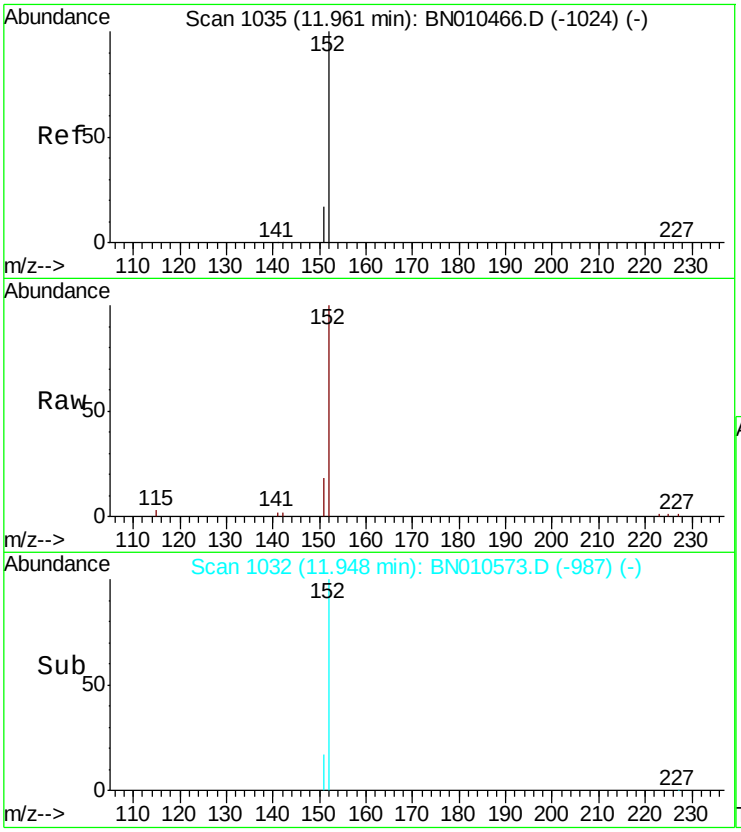


#10
Hexachlorobutadiene
Concen: 0.433 ng
RT: 10.71 min Scan# 870
Delta R.T. 0.01 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:225 Resp: 3255

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.6	76.0



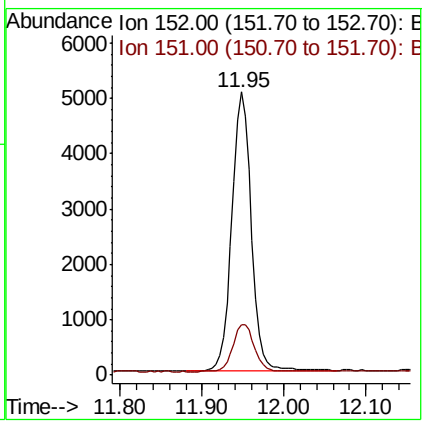


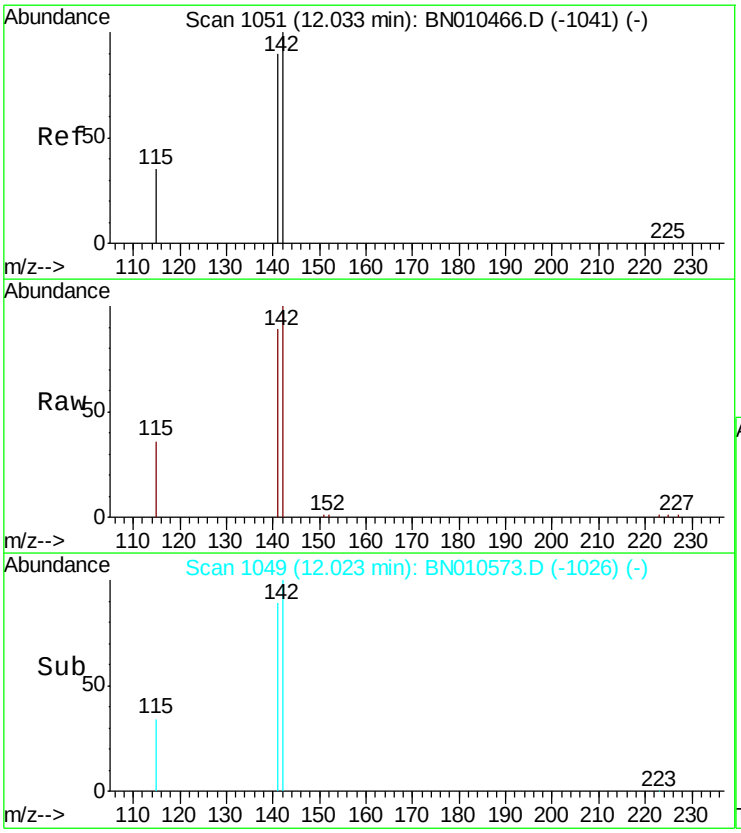
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 11.95 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:152 Resp: 8379

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.3	22.9

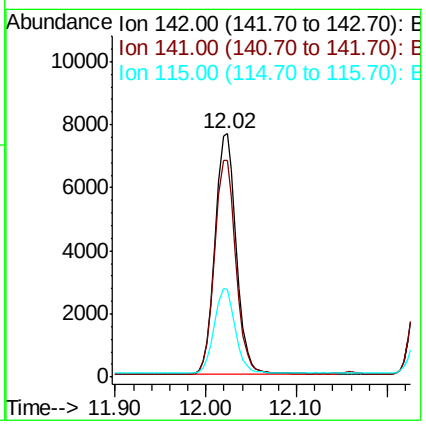


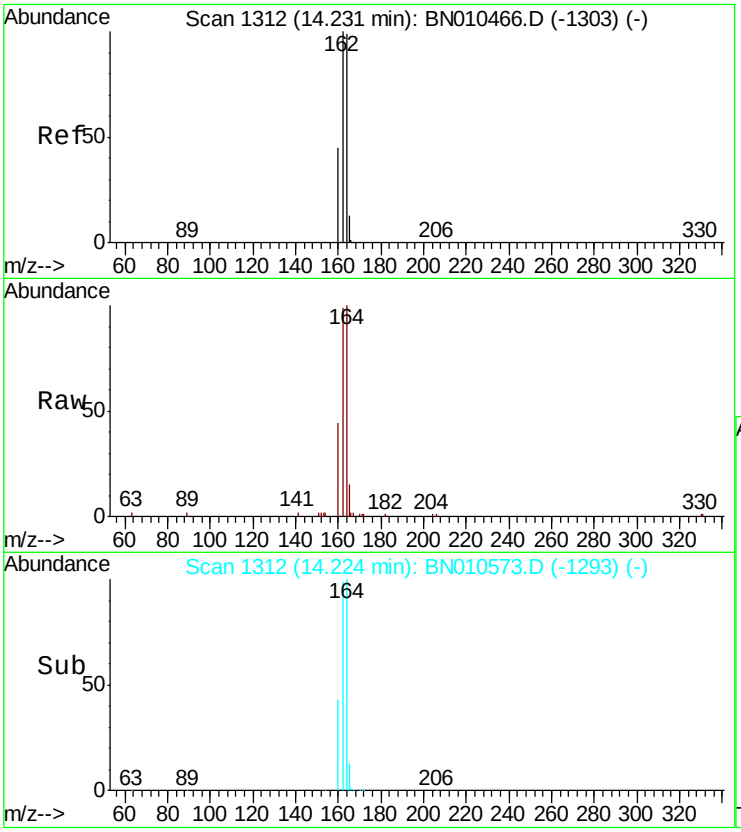


#12
2-Methylnaphthalene
Concen: 0.557 ng
RT: 12.02 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:142 Resp: 12465

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.9	107.9
115	35.7	28.8	43.2



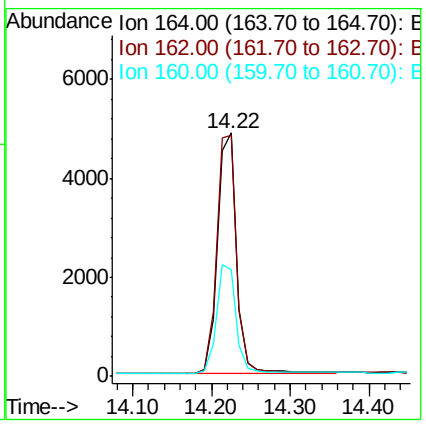


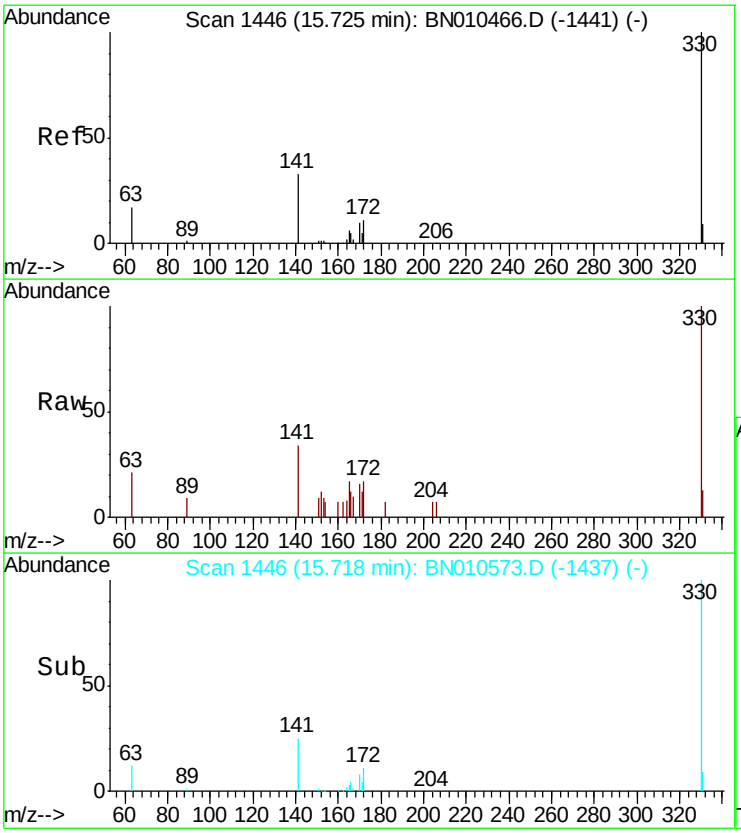
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.22 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:164 Resp: 8228

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.6	121.0
160	44.0	36.5	54.7

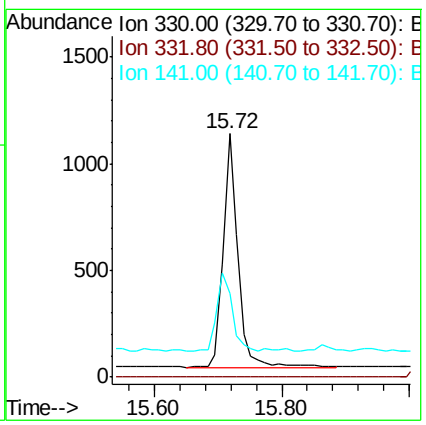


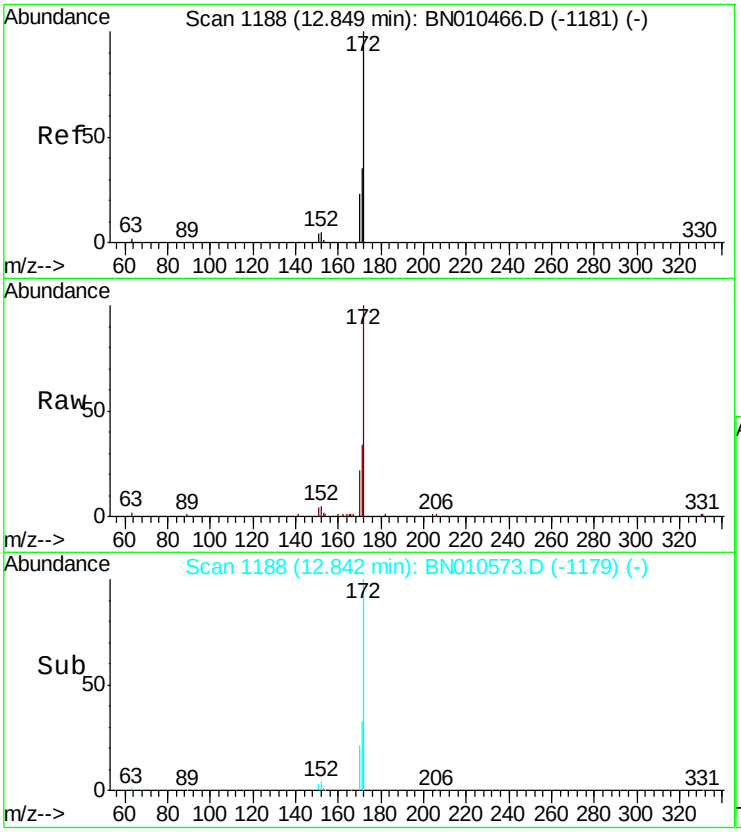


#14
2,4,6-Tribromophenol
Concen: 0.447 ng
RT: 15.72 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:330 Resp: 1735

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.2	28.1	42.1



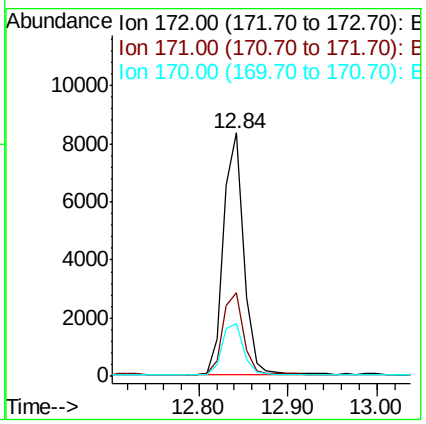


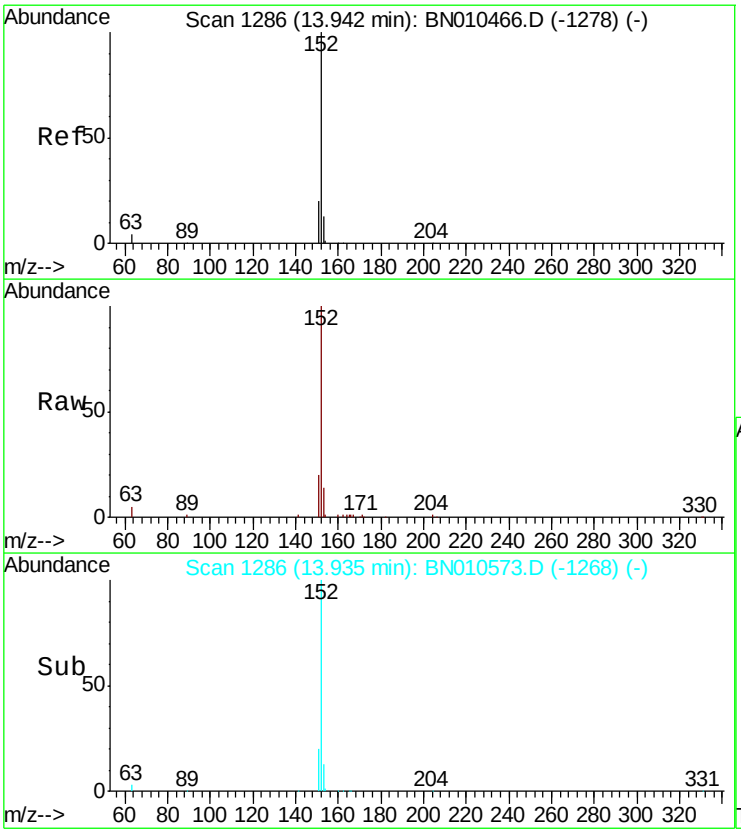
#15
2-Fluorobiphenyl
Concen: 0.439 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:172 Resp: 13151

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.2
170	21.7	18.4	27.6

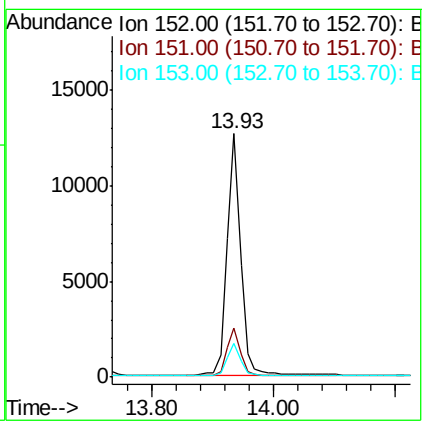


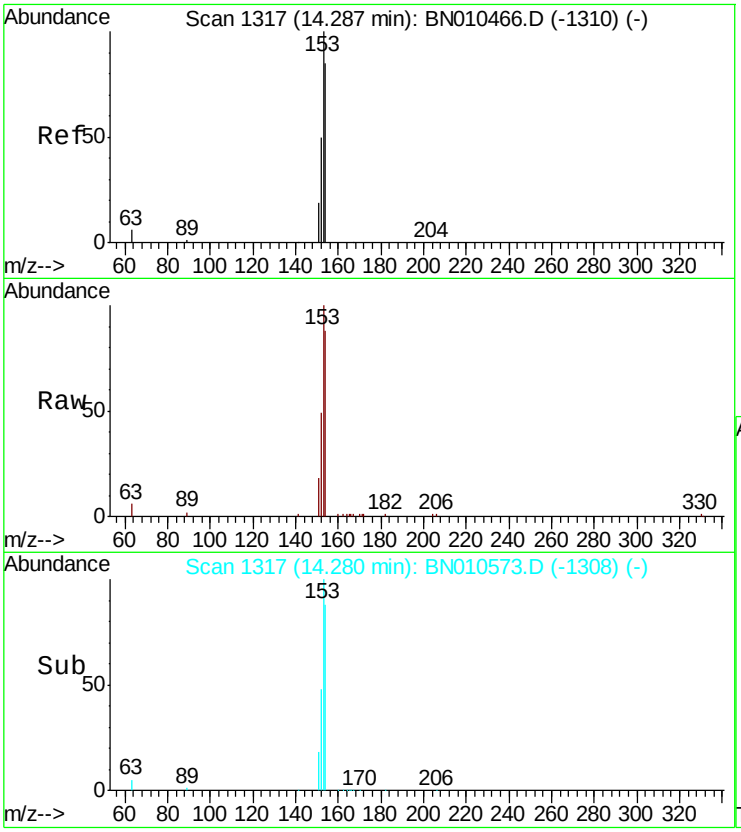


#16
Acenaphthylene
Concen: 0.551 ng
RT: 13.93 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:152 Resp: 19577

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.1	10.6	15.8



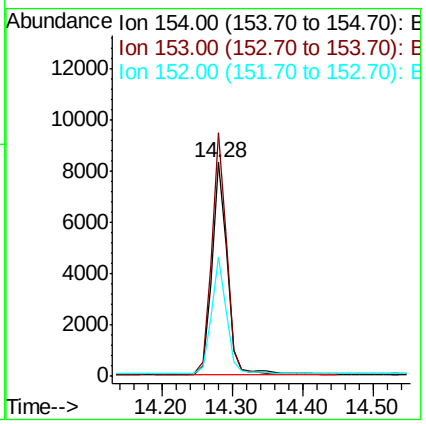


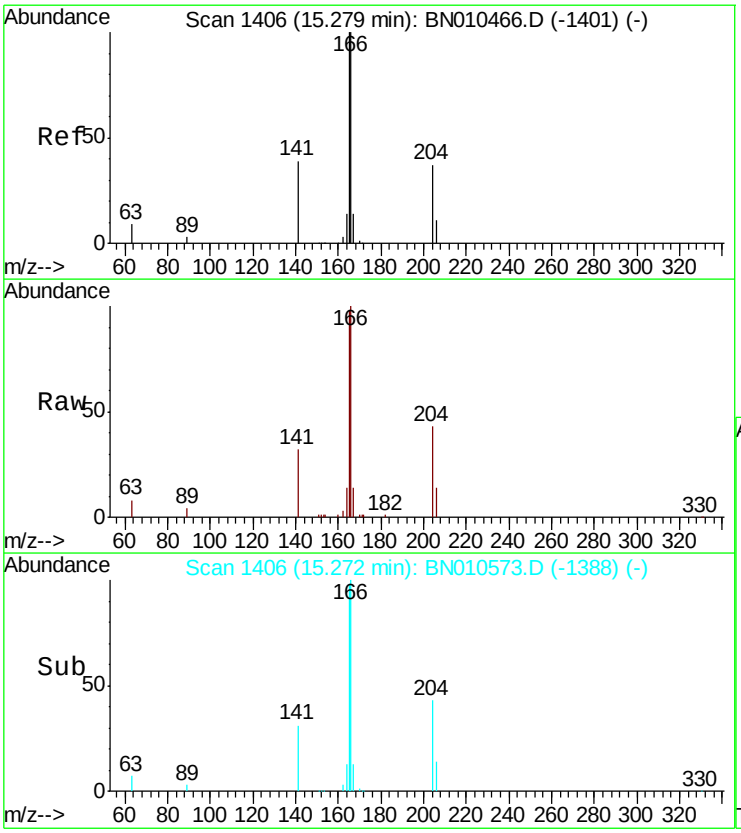
#17
Acenaphthene
Concen: 0.554 ng
RT: 14.28 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:154 Resp: 12662

Ion	Ratio	Lower	Upper
154	100		
153	110.9	91.0	136.4
152	53.7	44.6	67.0

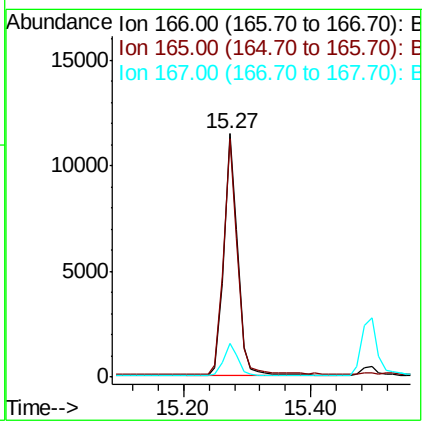


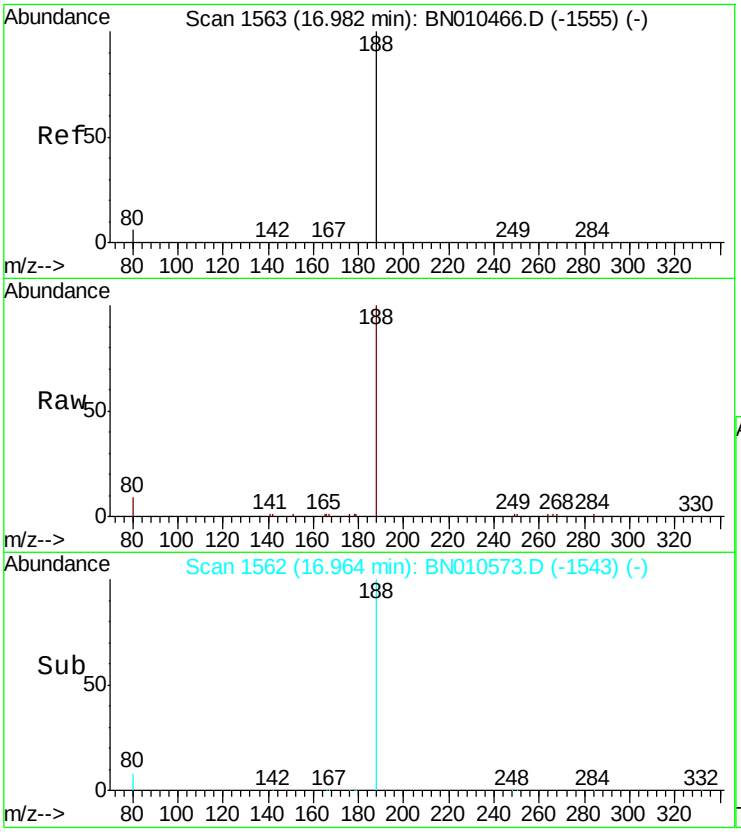


#18
Fluorene
Concen: 0.571 ng
RT: 15.27 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:166 Resp: 17078

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.4	117.6
167	13.8	10.9	16.3



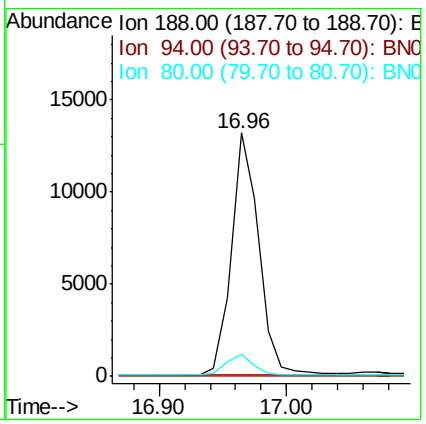


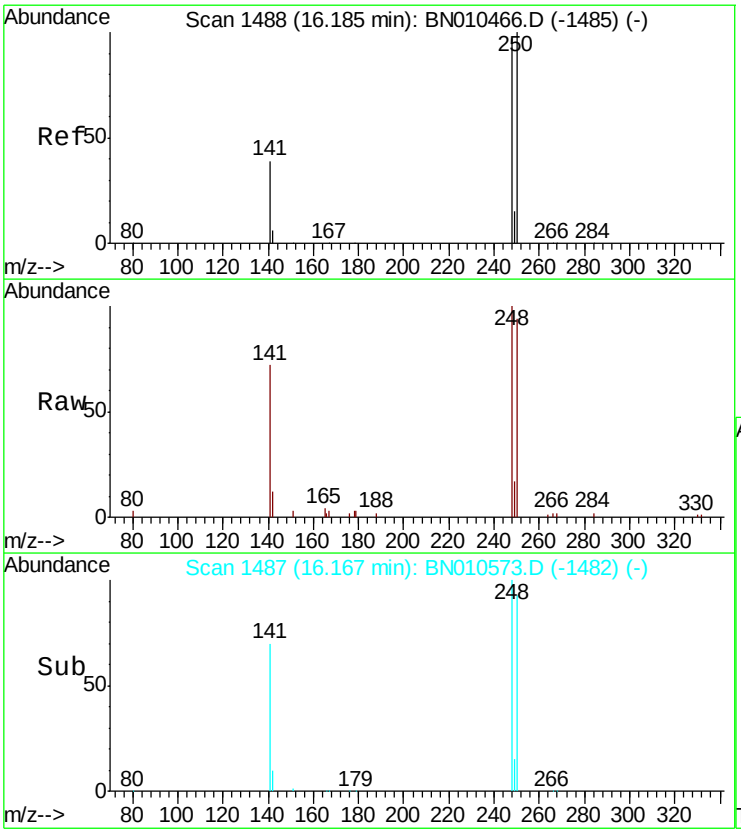
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:188 Resp: 19504

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	5.0	7.6#

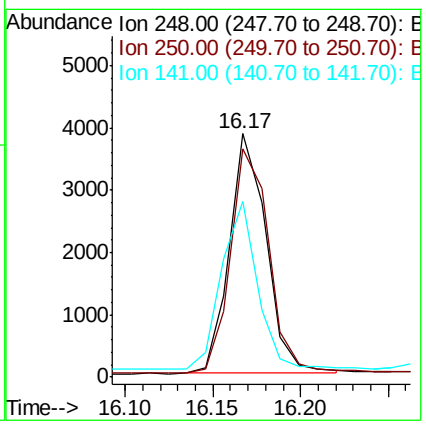


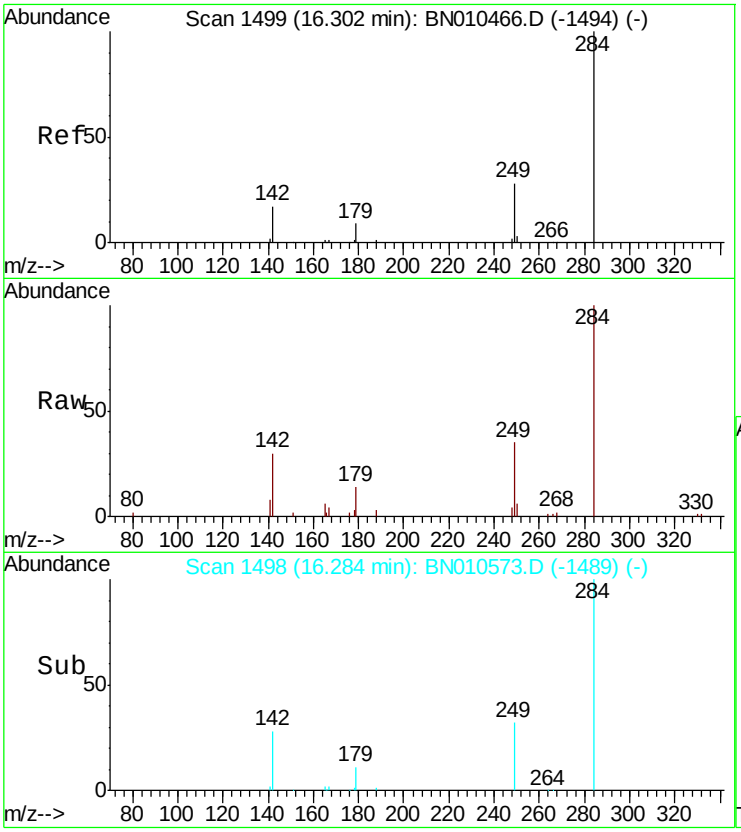


#20
4-Bromophenyl-phenylether
Concen: 0.515 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:248 Resp: 5582

Ion	Ratio	Lower	Upper
248	100		
250	93.8	82.3	123.5
141	72.1	35.2	52.8#



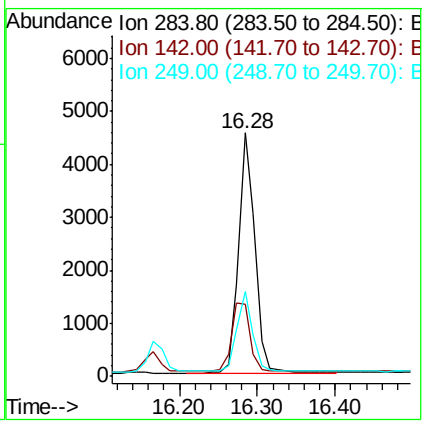


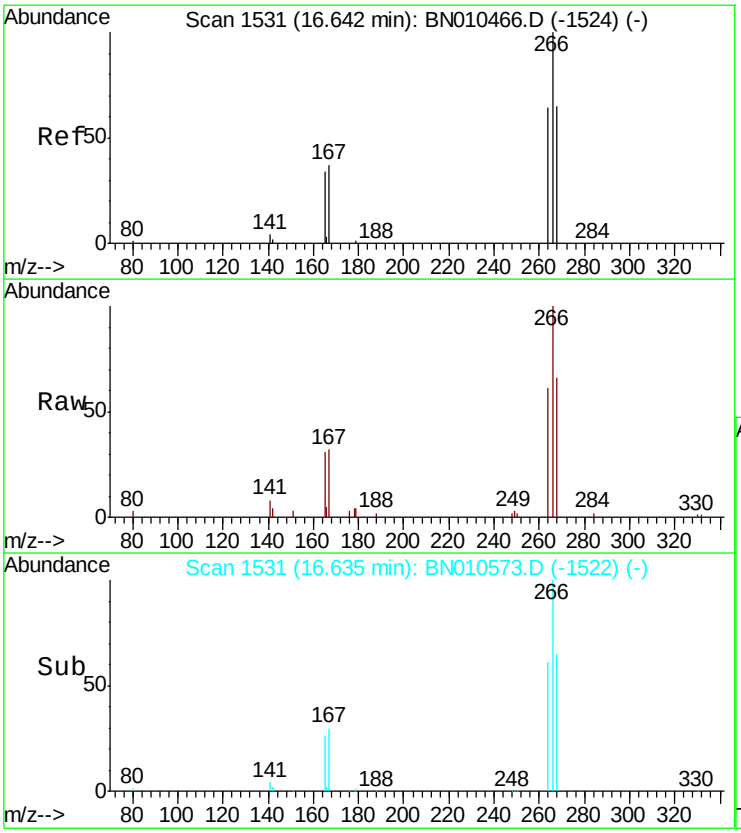
#21
Hexachlorobenzene
Concen: 0.528 ng
RT: 16.28 min Scan# 1498
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:284 Resp: 6532

Ion	Ratio	Lower	Upper
284	100		
142	32.2	25.5	38.3
249	31.7	25.8	38.6

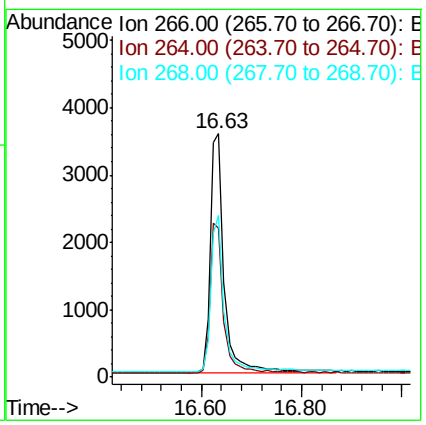


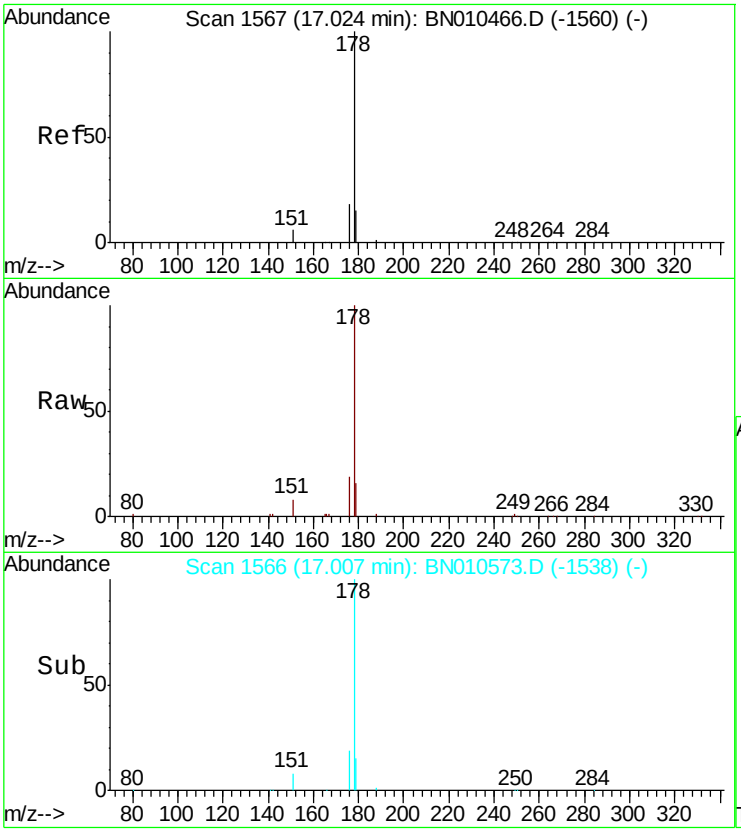


#22
Pentachlorophenol
Concen: 1.419 ng
RT: 16.63 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:266 Resp: 6905

Ion	Ratio	Lower	Upper
266	100		
264	61.3	51.8	77.6
268	66.3	53.7	80.5



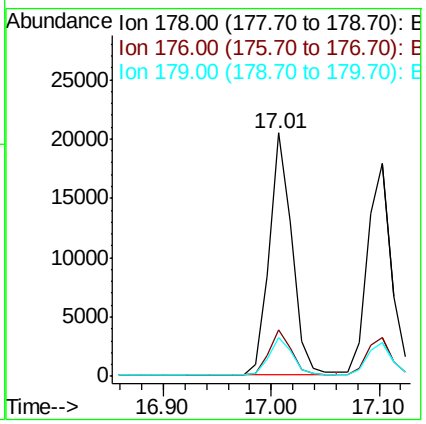


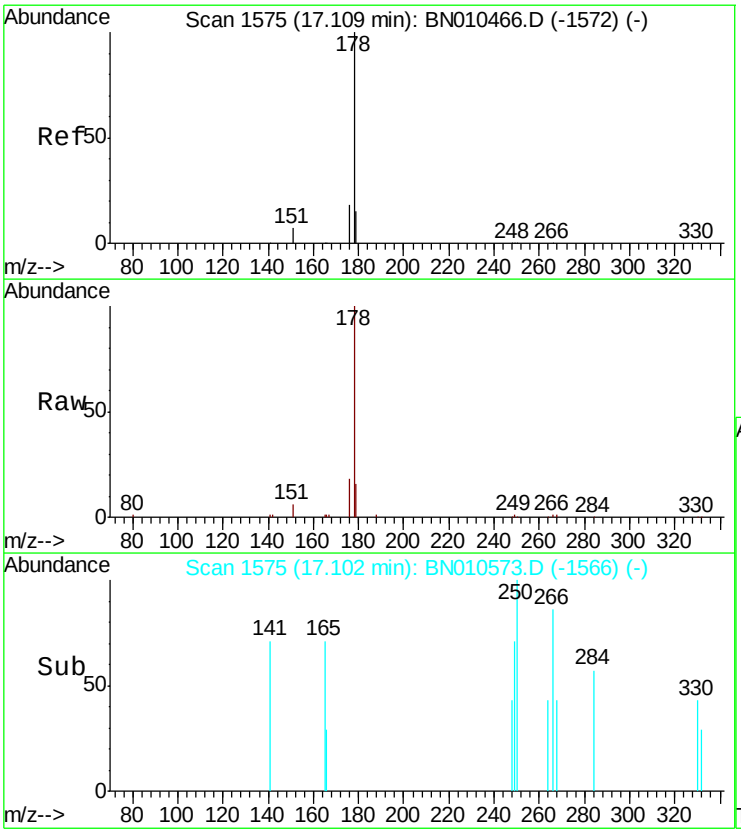
#23
Phenanthrene
Concen: 0.561 ng
RT: 17.01 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:178 Resp: 29538

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.6	18.8

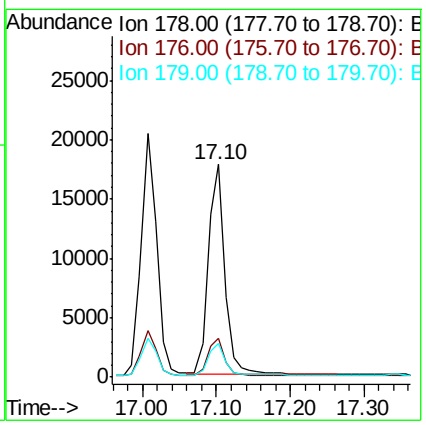


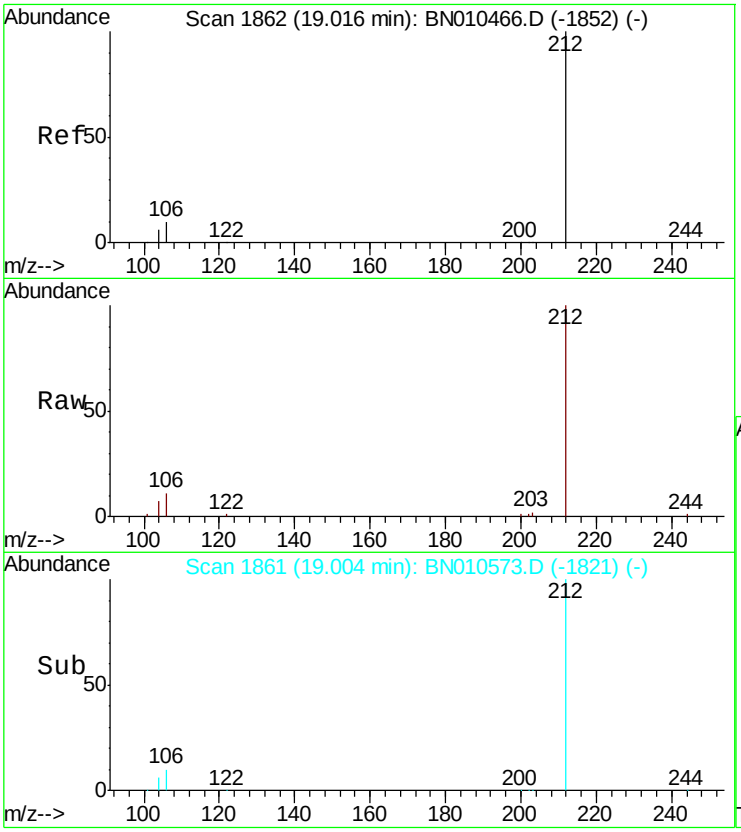


#24
Anthracene
Concen: 0.576 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:178 Resp: 27733

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.2	18.2



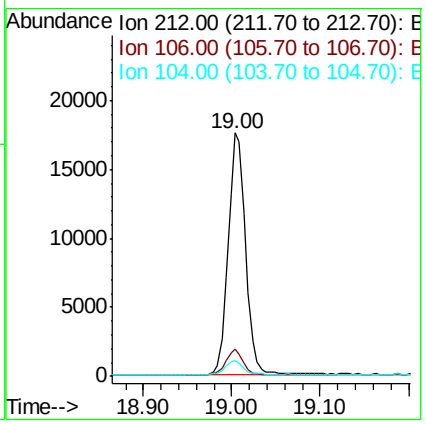


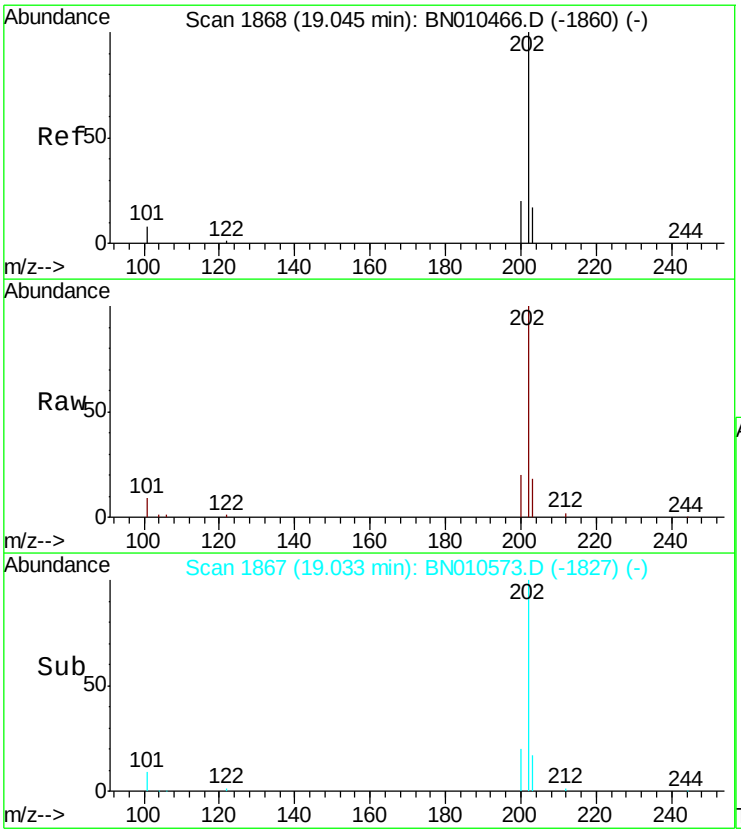
#25
Fluoranthene-d10
Concen: 0.407 ng
RT: 19.00 min Scan# 1861
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:212 Resp: 24099

Ion	Ratio	Lower	Upper
212	100		
106	10.2	7.8	11.6
104	5.9	4.5	6.7

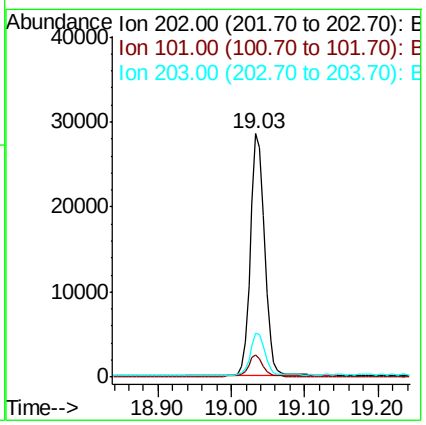


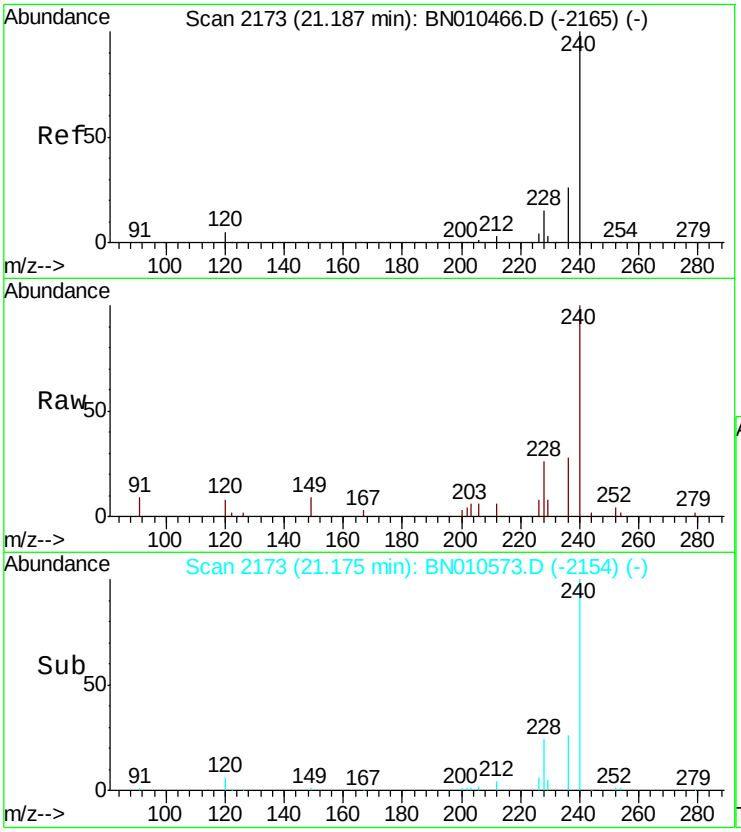


#26
Fluoranthene
Concen: 0.583 ng
RT: 19.03 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:202 Resp: 38245

Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.9	10.3
203	17.2	13.9	20.9



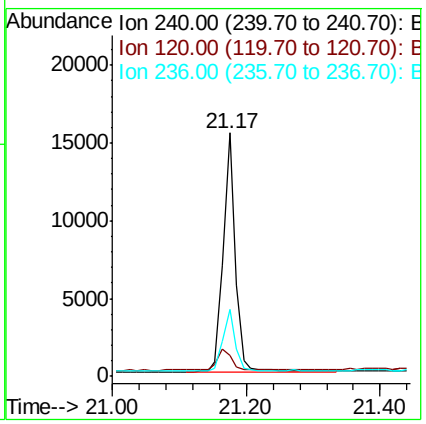


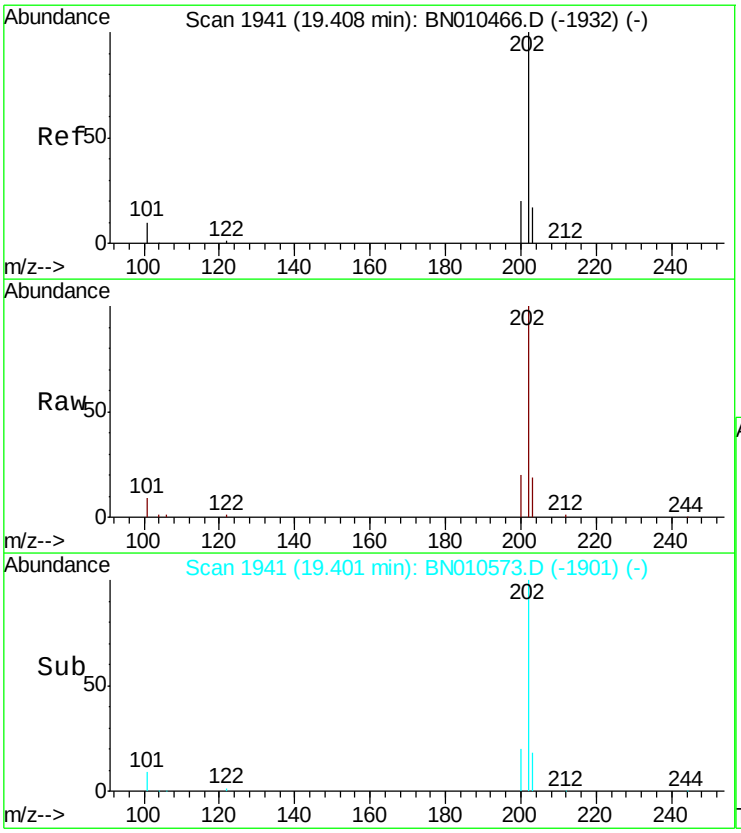
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:240 Resp: 19315

Ion	Ratio	Lower	Upper
240	100		
120	8.4	4.8	7.2#
236	27.5	21.4	32.0

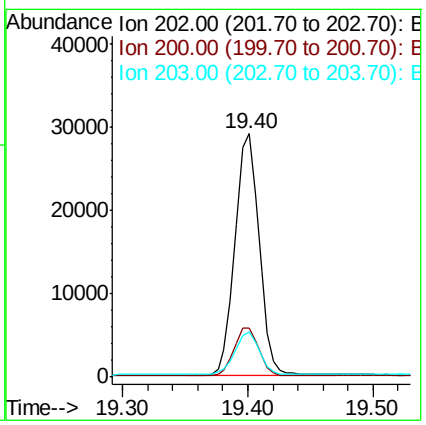


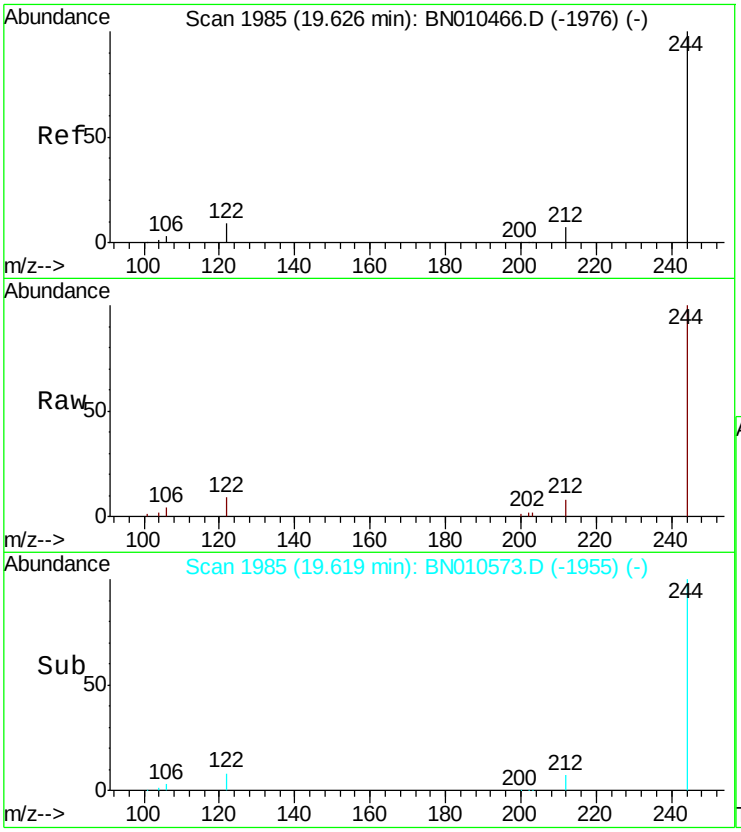


#28
Pyrene
Concen: 0.598 ng
RT: 19.40 min Scan# 1941
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:202 Resp: 38908

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	18.3	14.0	21.0



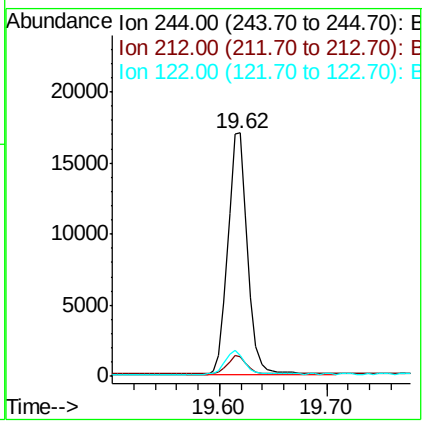


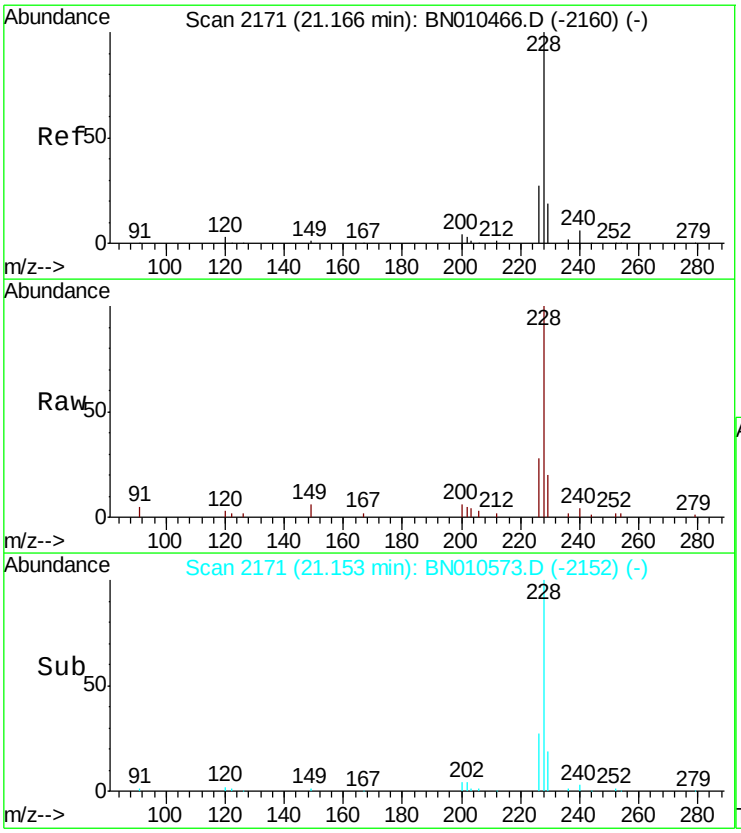
#29
Terphenyl-d14
Concen: 0.494 ng
RT: 19.62 min Scan# 1985
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:244 Resp: 21825

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	8.7	7.8	11.8

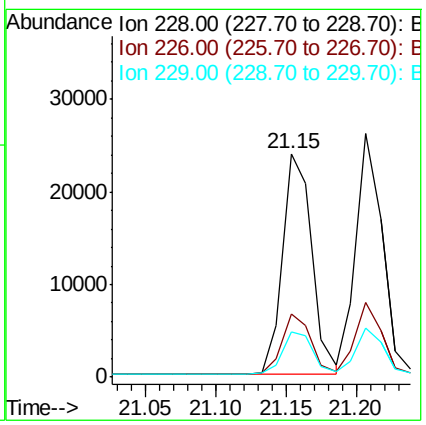


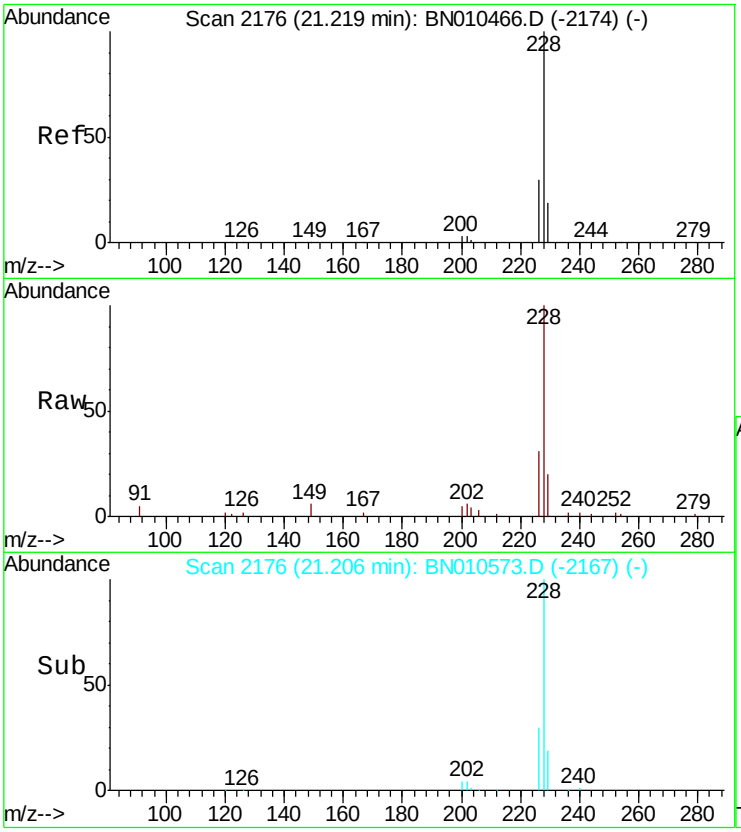


#30
Benzo(a)anthracene
Concen: 0.555 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:228 Resp: 34980

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.7	32.5
229	20.2	15.6	23.4



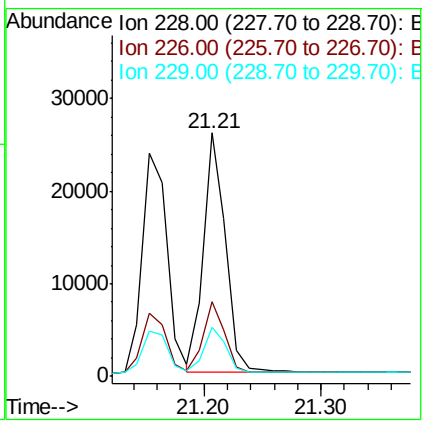


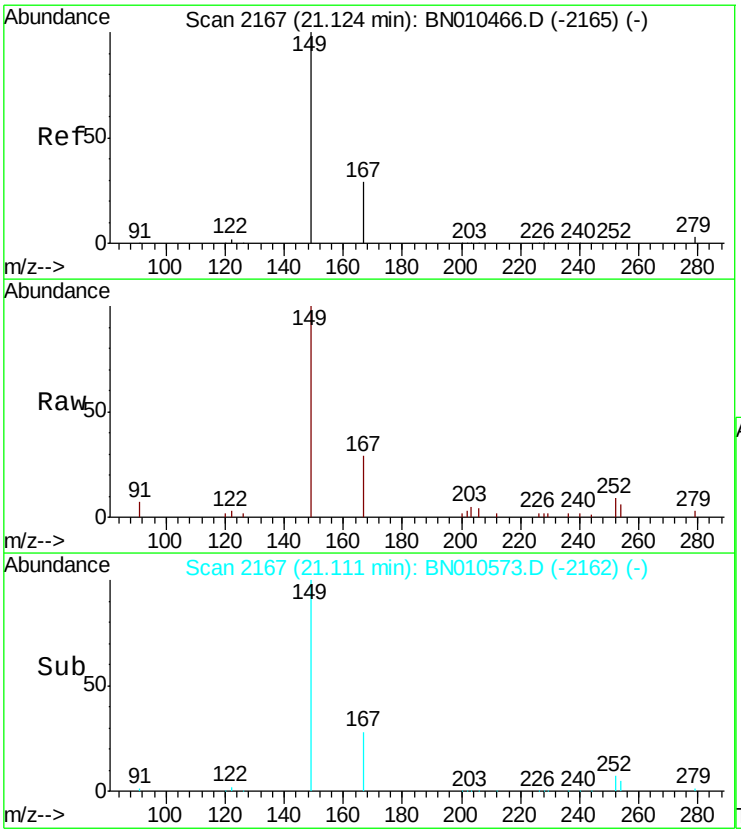
#31
Chrysene
Concen: 0.542 ng
RT: 21.21 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:228 Resp: 34016

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.3	15.8	23.6

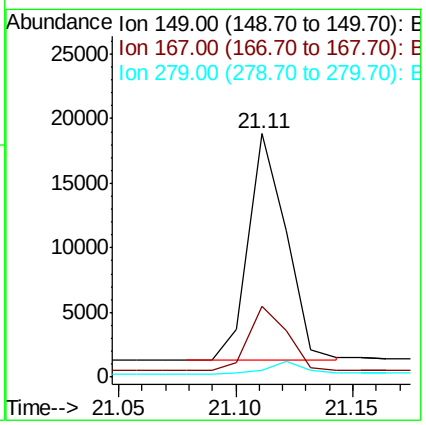


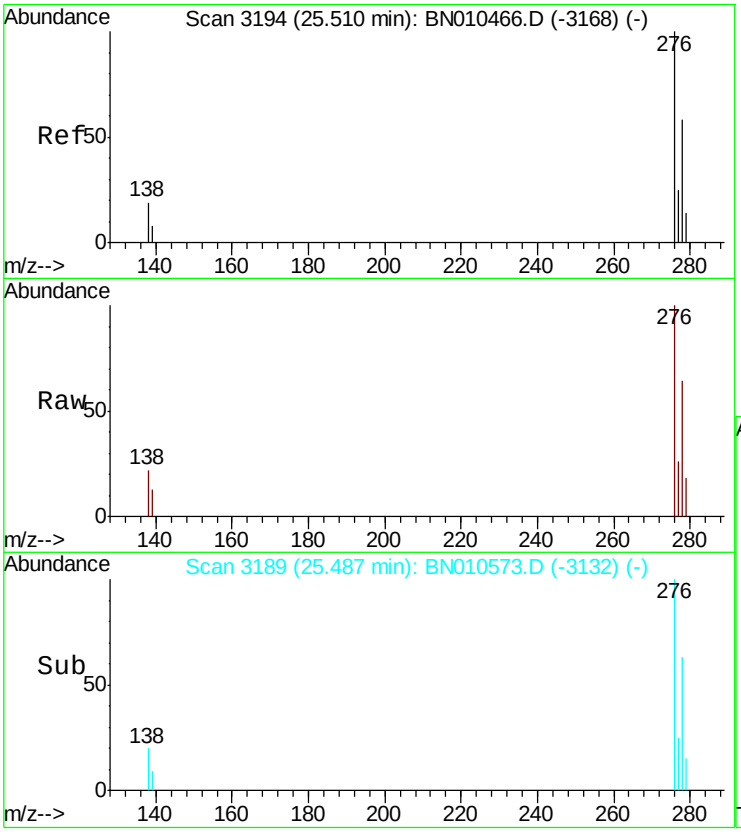


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.610 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:149 Resp: 19714

Ion	Ratio	Lower	Upper
149	100		
167	29.4	23.4	35.0
279	5.0	4.0	6.0



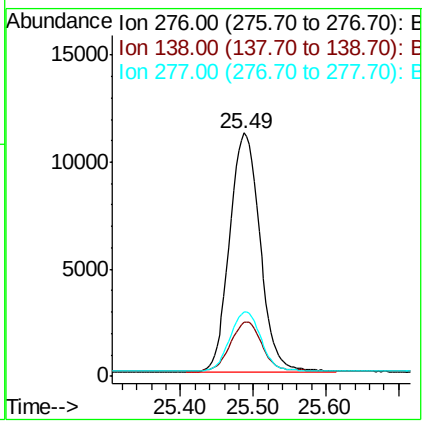


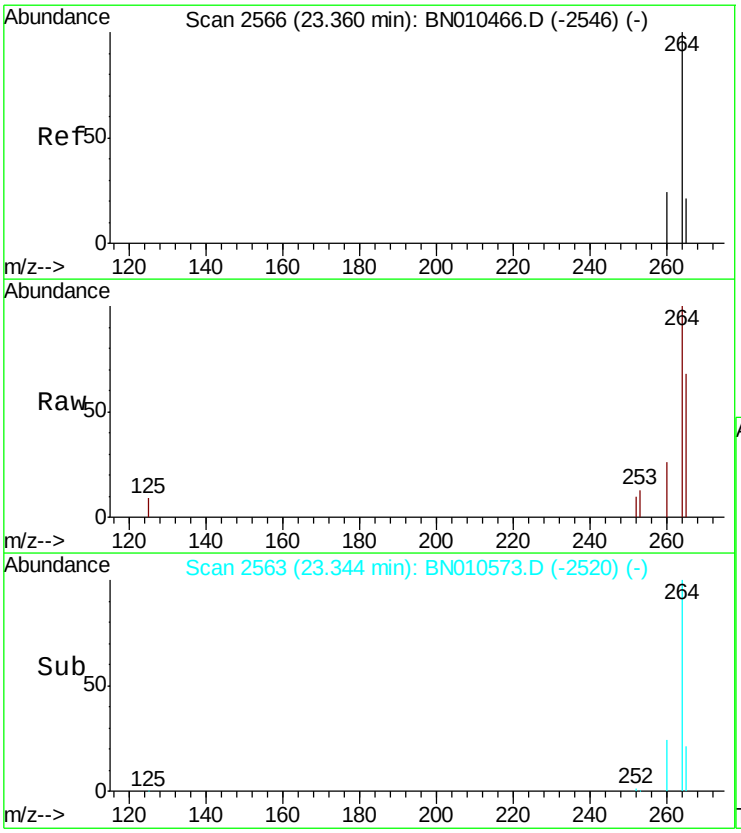
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.588 ng
RT: 25.49 min Scan# 3189
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:276 Resp: 32635

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.4	24.6
277	25.2	19.8	29.6

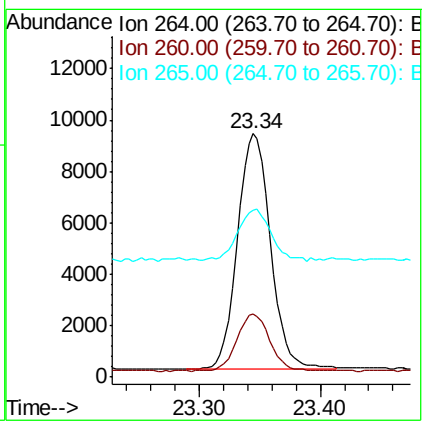


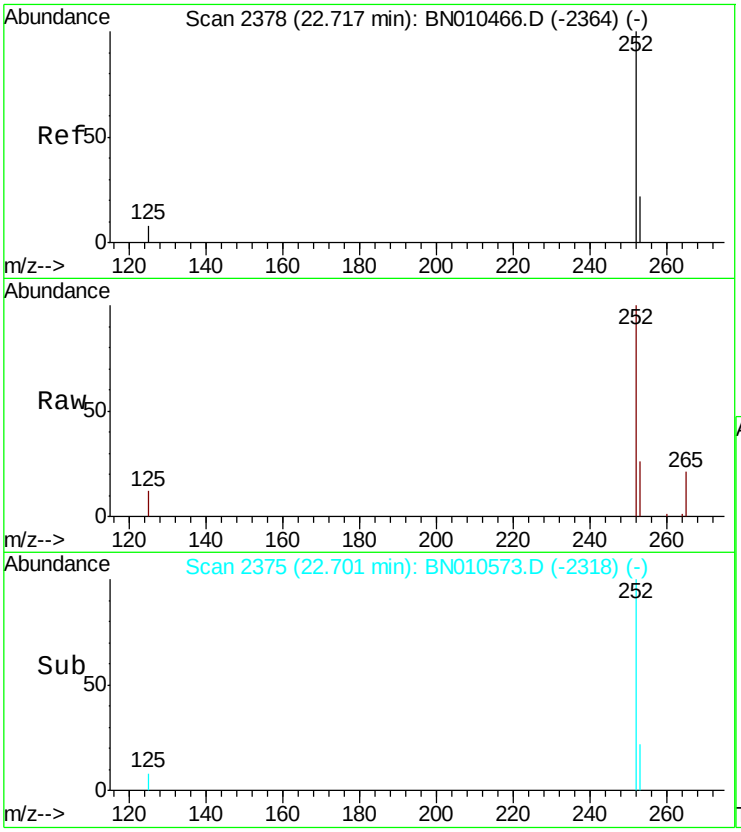


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.34 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:264 Resp: 17346

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.8	29.8
265	68.3	42.3	63.5#



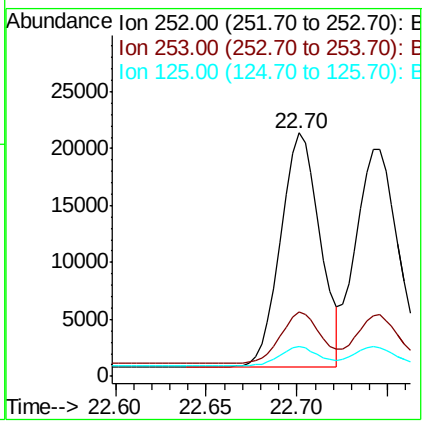


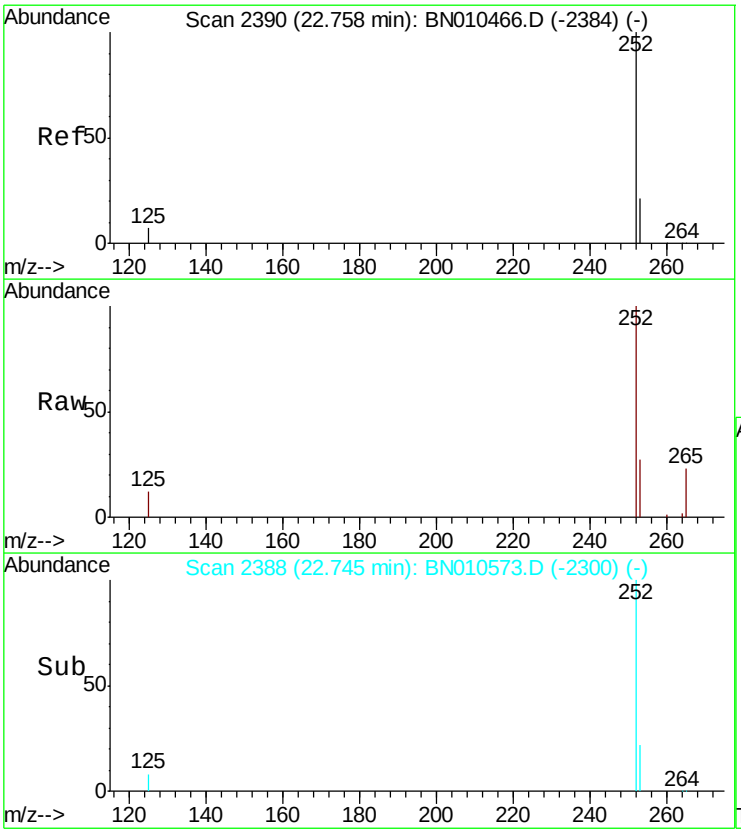
#35
Benzo(b)fluoranthene
Concen: 0.544 ng
RT: 22.70 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:252 Resp: 31063

Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.2	30.4
125	12.1	9.2	13.8

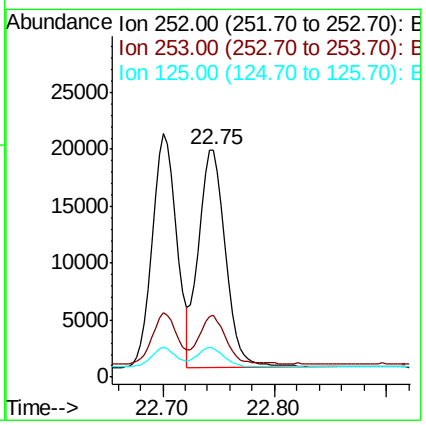


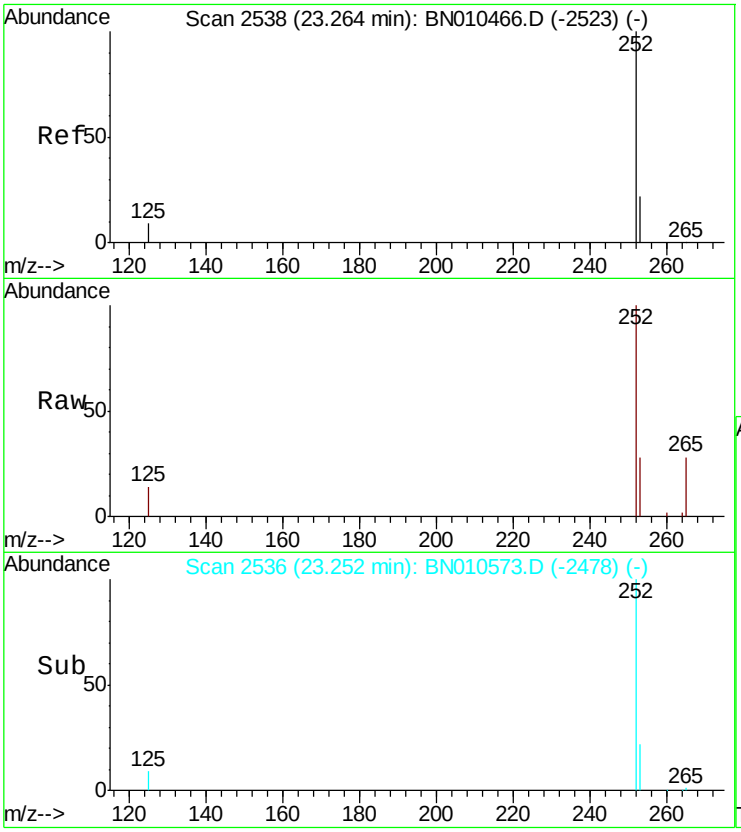


#36
Benzo(k)fluoranthene
Concen: 0.558 ng
RT: 22.75 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:252 Resp: 31930

Ion	Ratio	Lower	Upper
252	100		
253	27.1	20.1	30.1
125	12.4	9.6	14.4



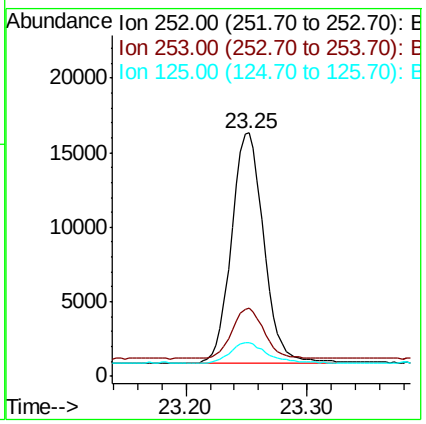


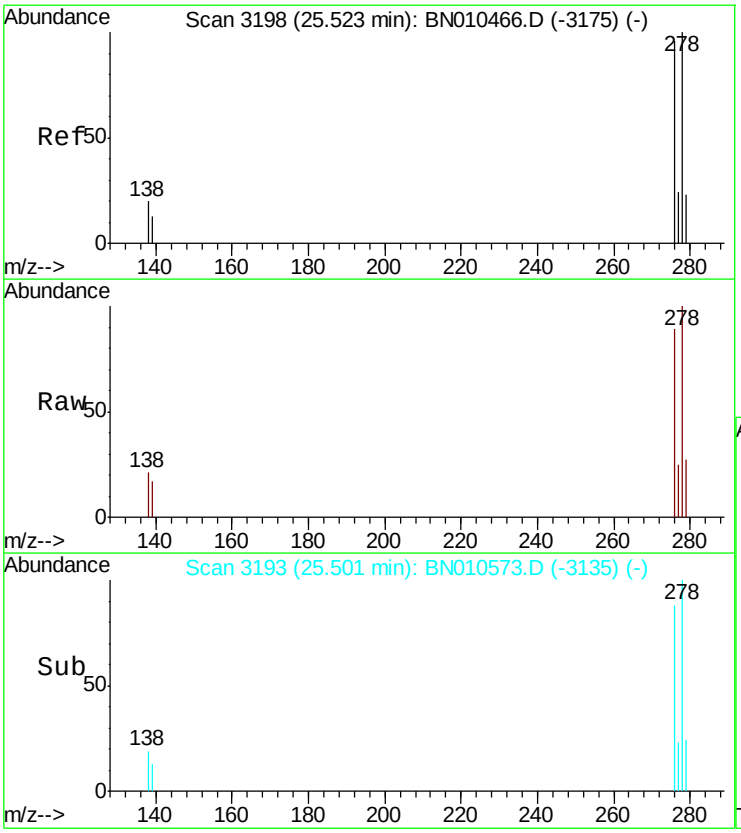
#37
Benzo(a)pyrene
Concen: 0.569 ng
RT: 23.25 min Scan# 2536
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:252 Resp: 28786

Ion	Ratio	Lower	Upper
252	100		
253	27.9	21.8	32.8
125	13.8	11.0	16.6

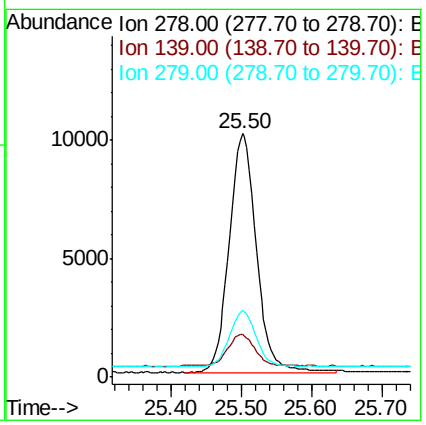


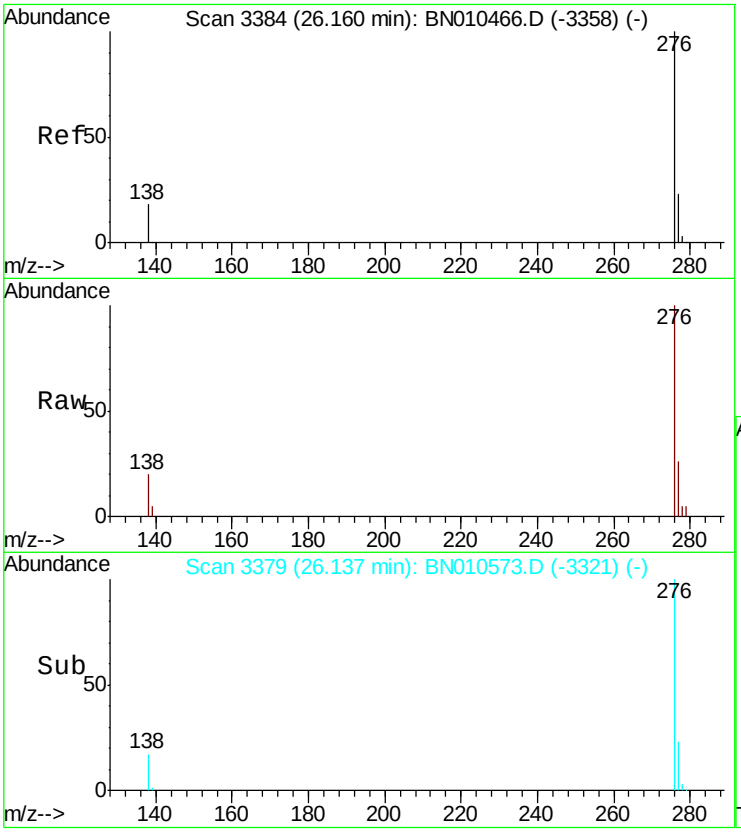


#38
Dibenzo(a,h)anthracene
Concen: 0.588 ng
RT: 25.50 min Scan# 3193
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:278 Resp: 27194

Ion	Ratio	Lower	Upper
278	100		
139	17.4	12.3	18.5
279	27.3	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.600 ng
RT: 26.14 min Scan# 3379
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tgt Ion:276 Resp: 27925

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.2	30.2
138	19.6	15.4	23.2