Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
Data File : BN010327.D
Acq On : 24 Mar 2020 15:39
Operator : CG/JU
Sample : L1997-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MW203D-20200315MS

Quant Time: Mar 24 16:17:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 15:26:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4626	0.40	ng		0.00
7) Naphthalene-d8	10.38	136	15711	0.40	ng		0.00
13) Acenaphthene-d10	14.24	164	9021	0.40	ng		-0.01
19) Phenanthrene-d10	16.99	188	21361	0.40	ng		0.00
27) Chrysene-d12	21.18	240	23286	0.40	ng		0.00
34) Perylene-d12	23.36	264	22785	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	1365	0.15	ng		0.00
5) Phenol-d6	6.80	99	1051	0.09	ng		0.00
8) Nitrobenzene-d5	8.74	82	5993	0.60	ng		0.00
11) 2-Methylnaphthalene-d10	11.97	152	11013	0.44	ng		0.00
14) 2,4,6-Tribromophenol	15.73	330	1131	0.33	ng		0.00
15) 2-Fluorobiphenyl	12.86	172	22483	0.65	ng		0.00
25) Fluoranthene-d10	19.02	212	20754	0.32	ng		0.00
29) Terphenyl-d14	19.63	244	26736	0.53	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	1902	0.438	ng	#	89
3) n-Nitrosodimethylamine	3.55	42	750	0.204	ng	#	82
6) bis(2-Chloroethyl)ether	7.05	93	4567	0.417	ng		99
9) Naphthalene	10.42	128	16311	0.416	ng		98
10) Hexachlorobutadiene	10.73	225	3844	0.405	ng	#	97
12) 2-Methylnaphthalene	12.04	142	11129	0.410	ng		97
16) Acenaphthylene	13.96	152	14455	0.408	ng		99
17) Acenaphthene	14.30	154	10395	0.412	ng		99
18) Fluorene	15.29	166	13769	0.411	ng		99
20) 4-Bromophenyl-phenylether	16.19	248	5006	0.386	ng		91
21) Hexachlorobenzene	16.30	284	5483	0.412	ng		99
22) Pentachlorophenol	16.65	266	3875	0.851	ng		98
23) Phenanthrene	17.03	178	24356	0.415	ng		100
24) Anthracene	17.11	178	19956	0.397	ng		99
26) Fluoranthene	19.05	202	29970	0.417	ng		100
28) Pyrene	19.41	202	30418	0.420	ng		100
30) Benzo(a)anthracene	21.16	228	29836	0.402	ng		98
31) Chrysene	21.22	228	32747	0.412	ng		99
32) Bis(2-ethylhexyl)phthalate	21.13	149	8709	0.348	ng		99
33) Indeno(1,2,3-cd)pyrene	25.50	276	33284	0.391	ng		99
35) Benzo(b)fluoranthene	22.71	252	31009	0.401	ng		99
36) Benzo(k)fluoranthene	22.76	252	34355	0.436	ng		98
37) Benzo(a)pyrene	23.26	252	27470	0.421	ng		99
38) Dibenzo(a,h)anthracene	25.51	278	28225	0.400	ng		99
39) Benzo(g,h,i)perylene	26.15	276	28779	0.405	ng		100

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

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Instrument :
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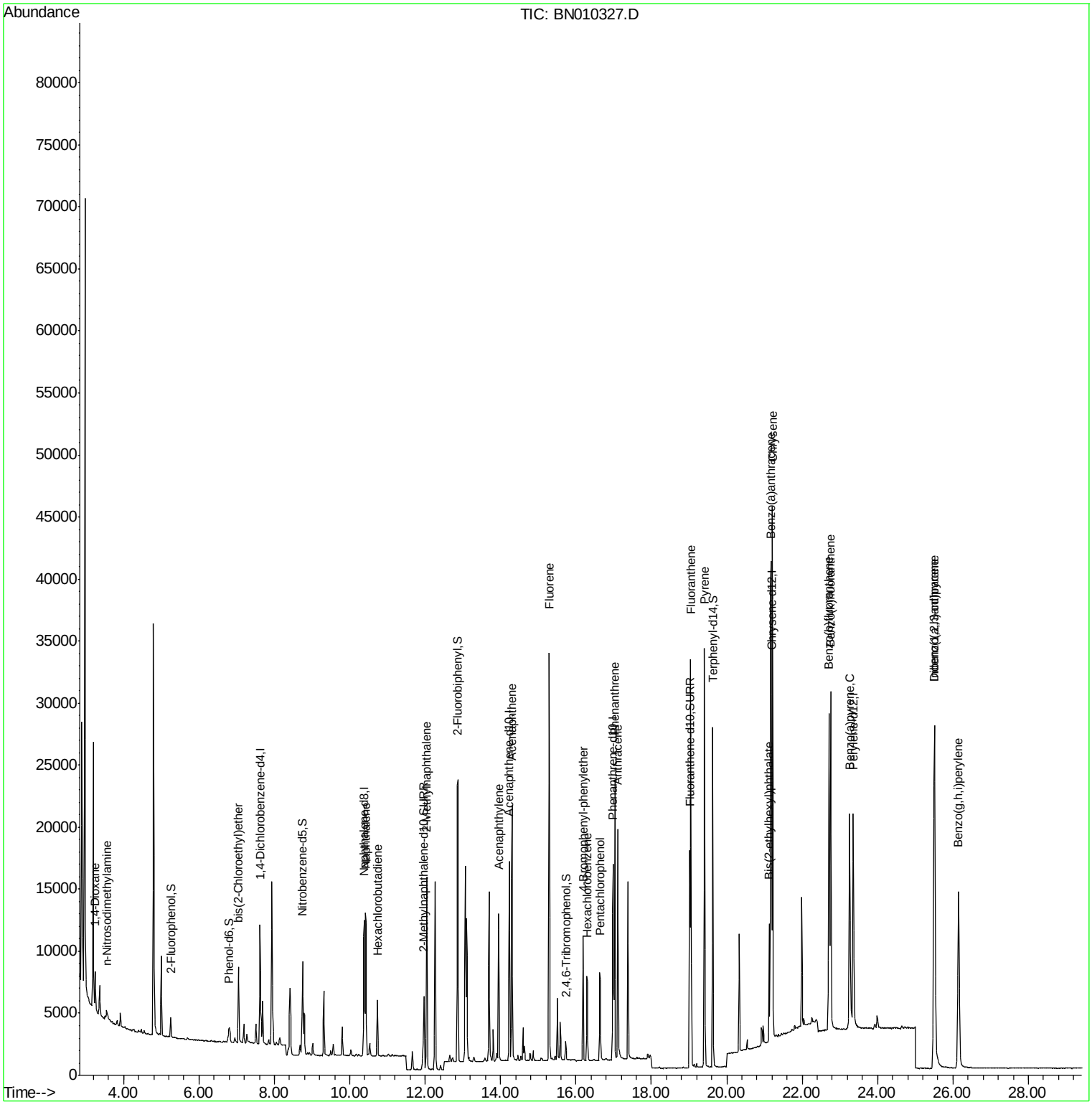
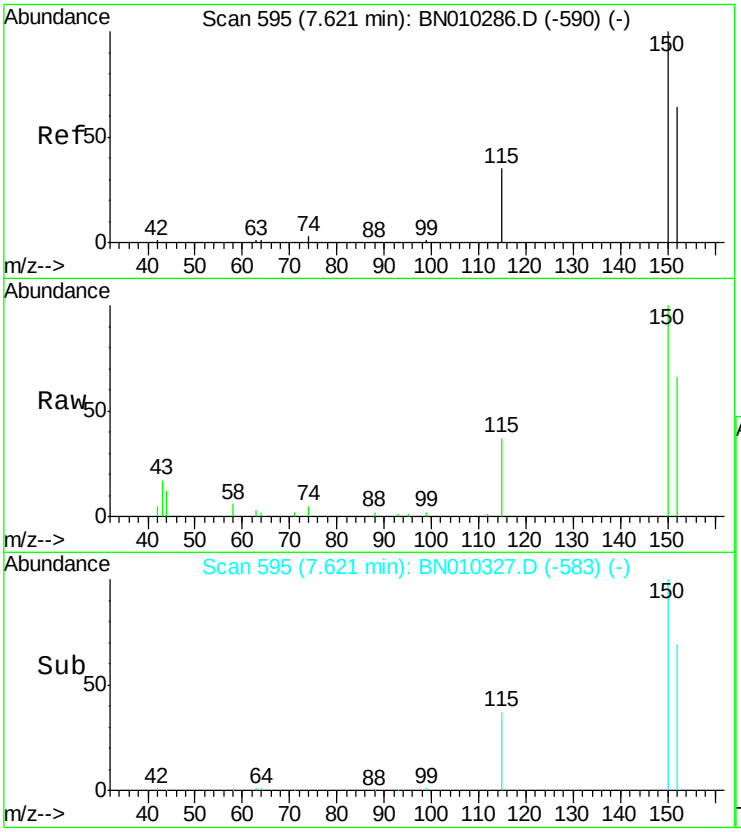


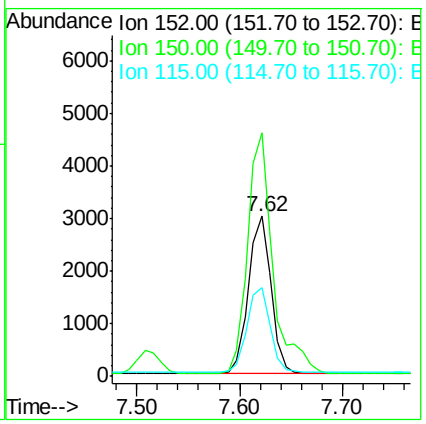


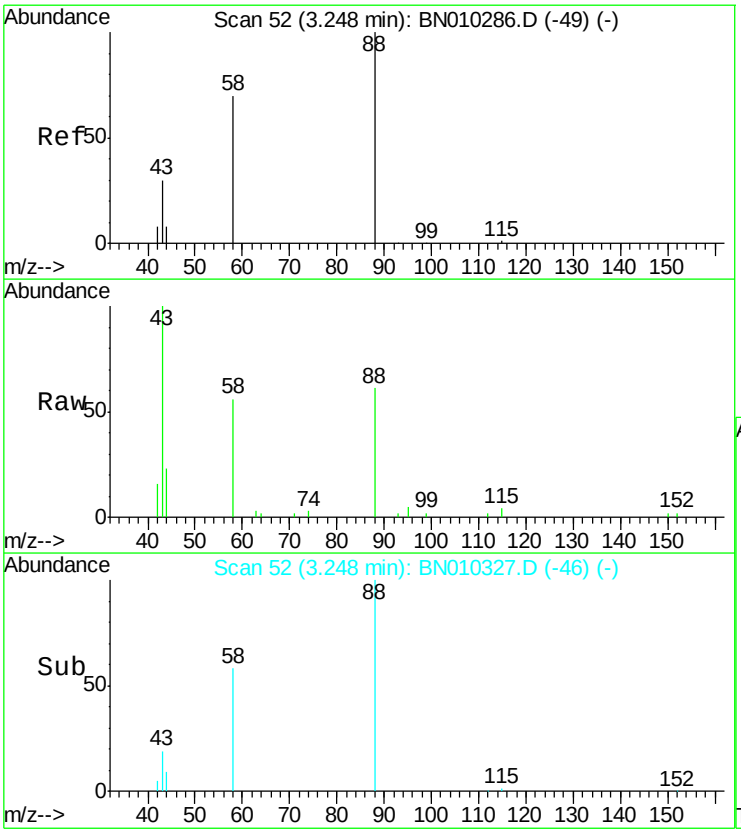
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:152 Resp: 4626

Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.1	184.7
115	55.6	45.2	67.8

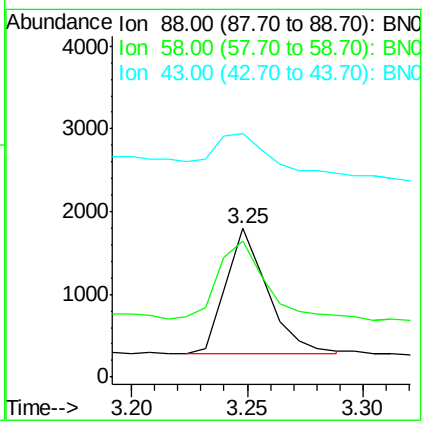


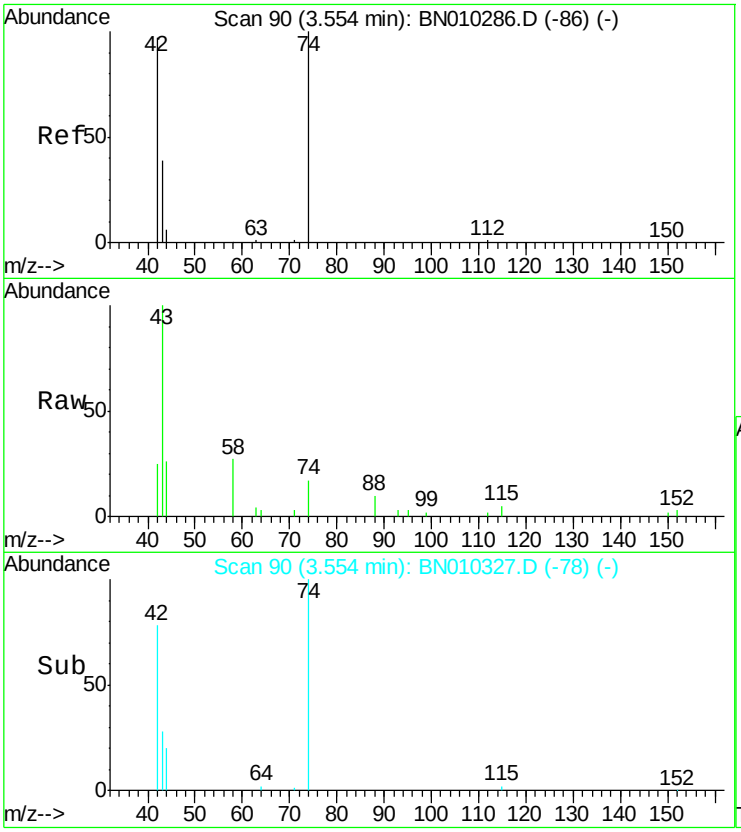


#2
1,4-Dioxane
Concen: 0.438 ng
RT: 3.25 min Scan# 52
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion: 88 Resp: 1902

Ion	Ratio	Lower	Upper
88	100		
58	68.0	51.7	77.5
43	40.3	21.2	31.8#



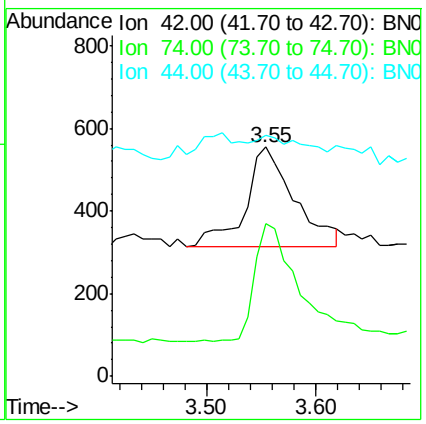


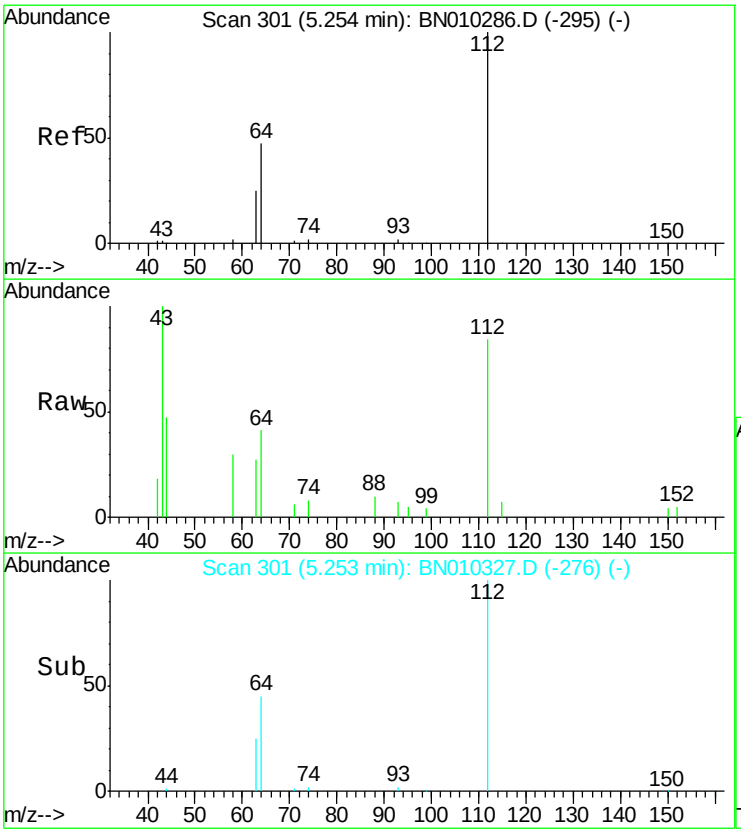
#3
n-Nitrosodimethylamine
Concen: 0.204 ng
RT: 3.55 min Scan# 90
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion: 42 Resp: 750

Ion	Ratio	Lower	Upper
42	100		
74	104.1	99.4	149.0
44	14.0	4.8	7.2#

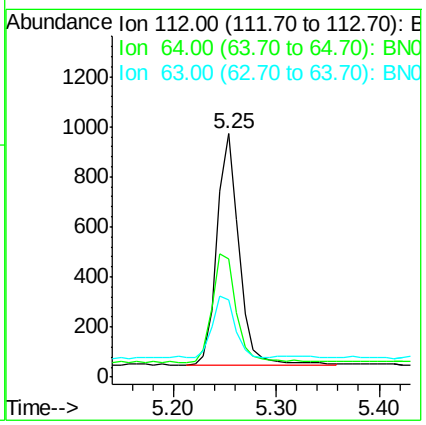


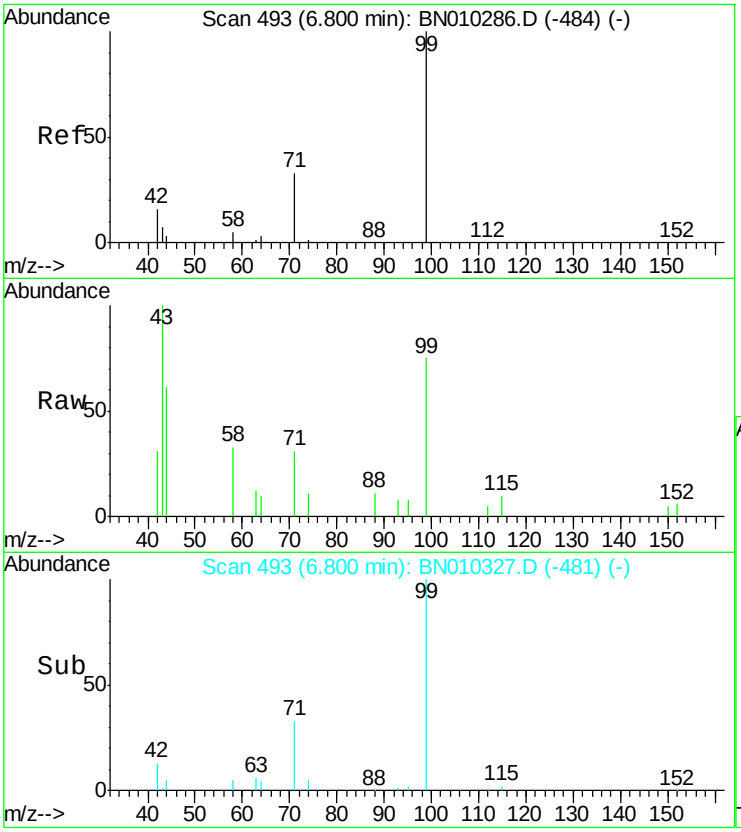


#4
2-Fluorophenol
Concen: 0.149 ng
RT: 5.25 min Scan# 301
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:112 Resp: 1365

Ion	Ratio	Lower	Upper
112	100		
64	51.9	41.4	62.2
63	28.4	22.9	34.3



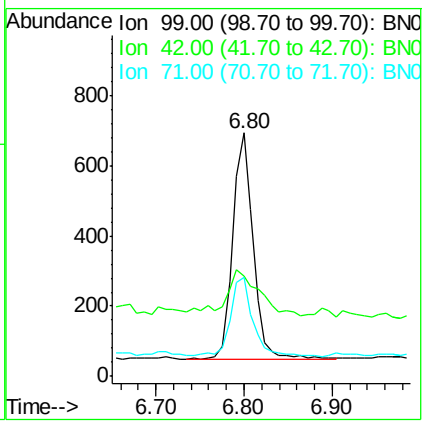


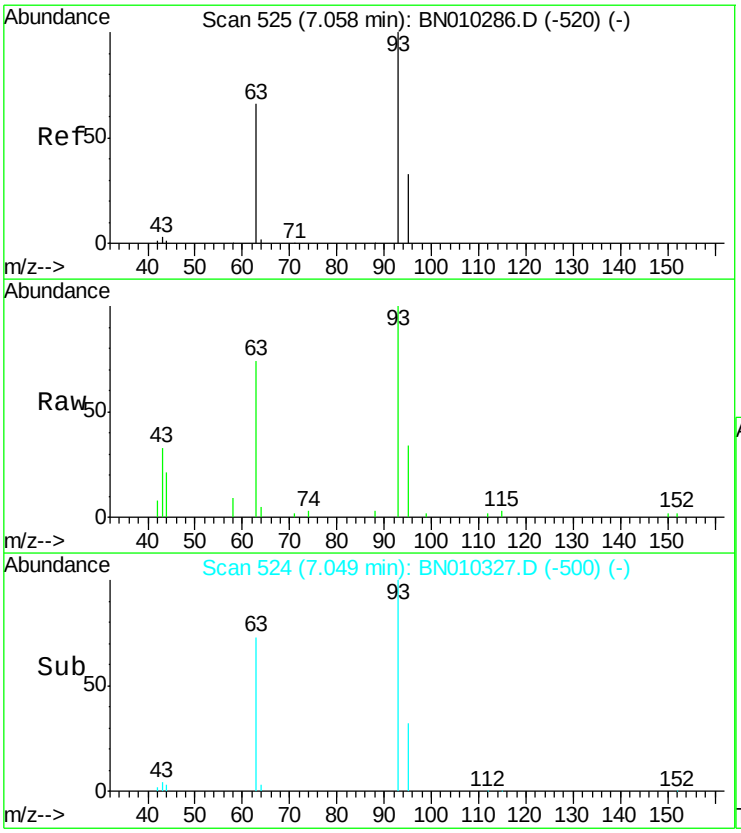
#5
Phenol-d6
Concen: 0.092 ng
RT: 6.80 min Scan# 493
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion: 99 Resp: 1051

Ion	Ratio	Lower	Upper
99	100		
42	33.6	14.8	22.2#
71	37.1	27.3	40.9

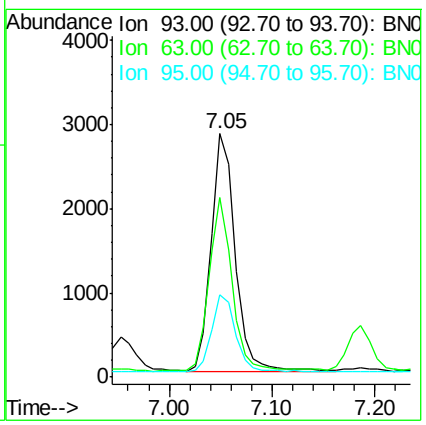


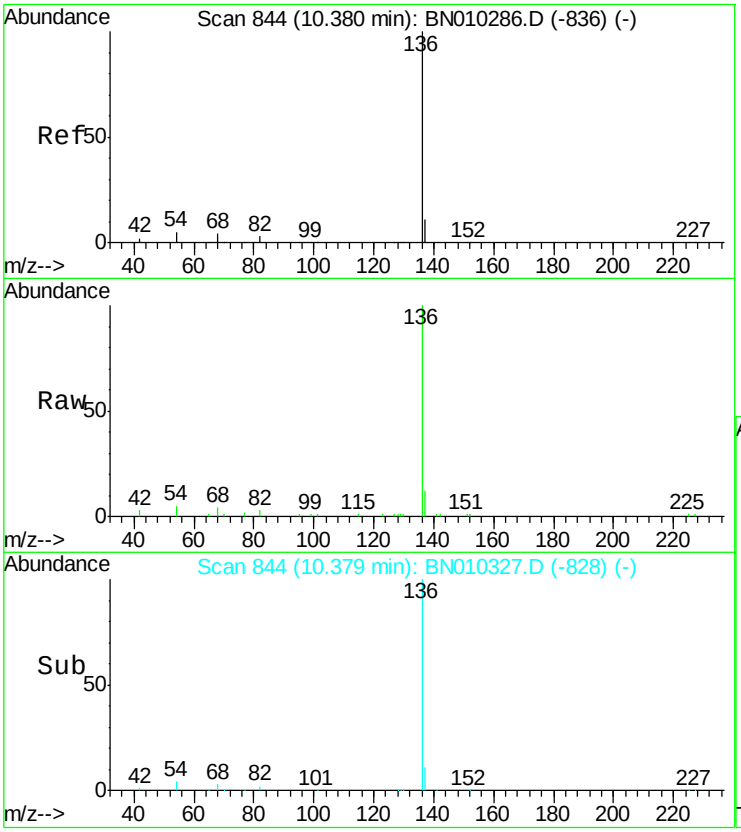


#6
bis(2-Chloroethyl)ether
Concen: 0.417 ng
RT: 7.05 min Scan# 524
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion: 93 Resp: 4567

Ion	Ratio	Lower	Upper
93	100		
63	70.8	55.6	83.4
95	33.2	26.2	39.4



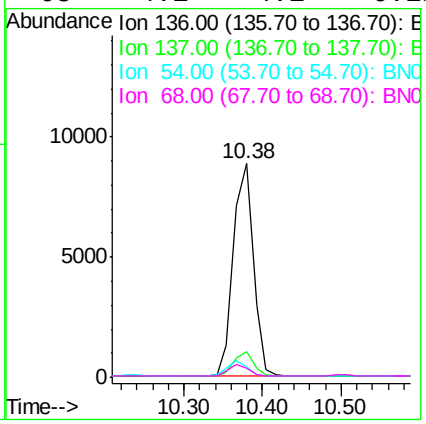


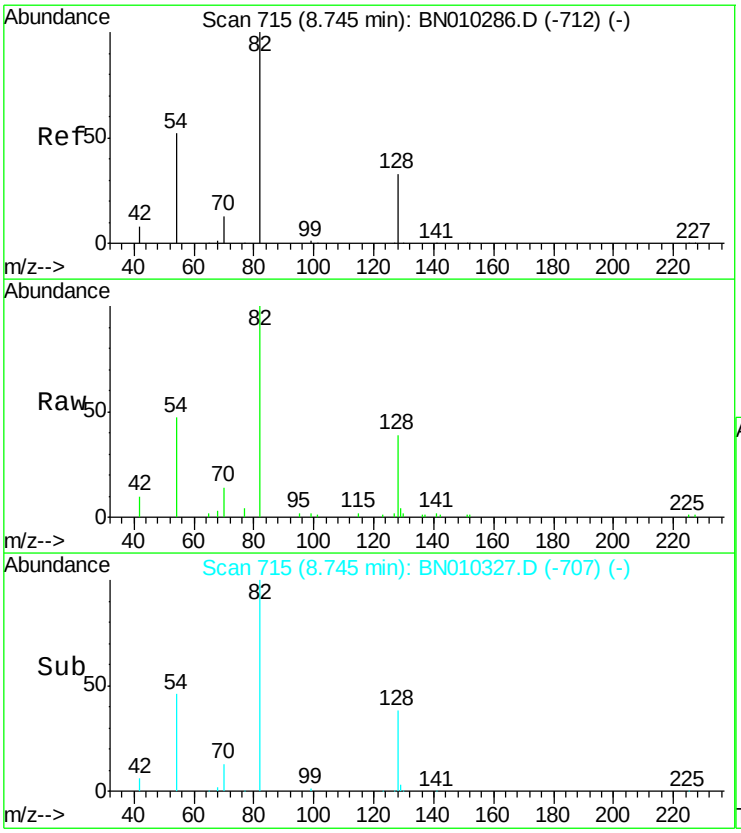
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 844
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:136 Resp: 15711

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	4.6	4.8	7.2#
68	4.1	4.1	6.1#

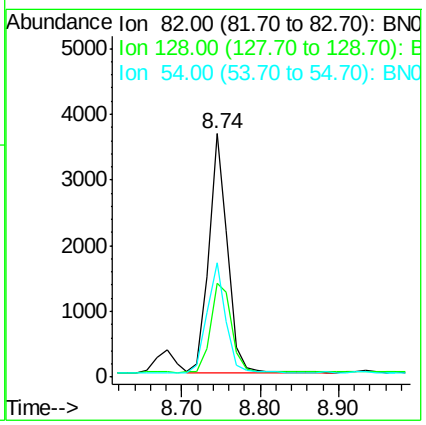


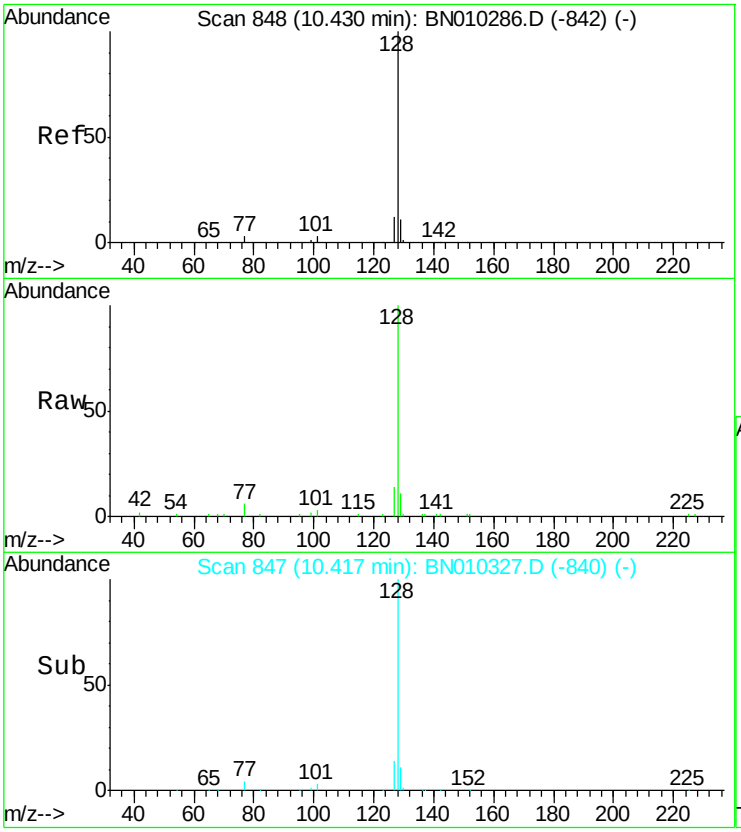


#8
Nitrobenzene-d5
Concen: 0.595 ng
RT: 8.74 min Scan# 715
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion: 82 Resp: 5993

Ion	Ratio	Lower	Upper
82	100		
128	38.8	28.8	43.2
54	47.2	42.1	63.1



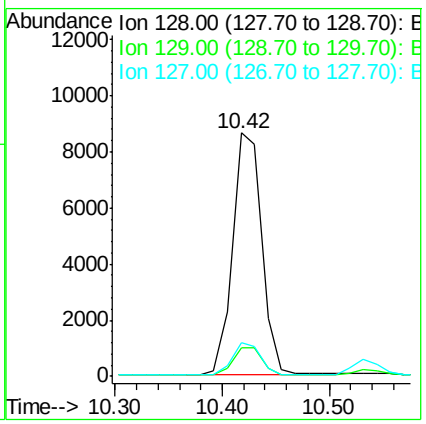


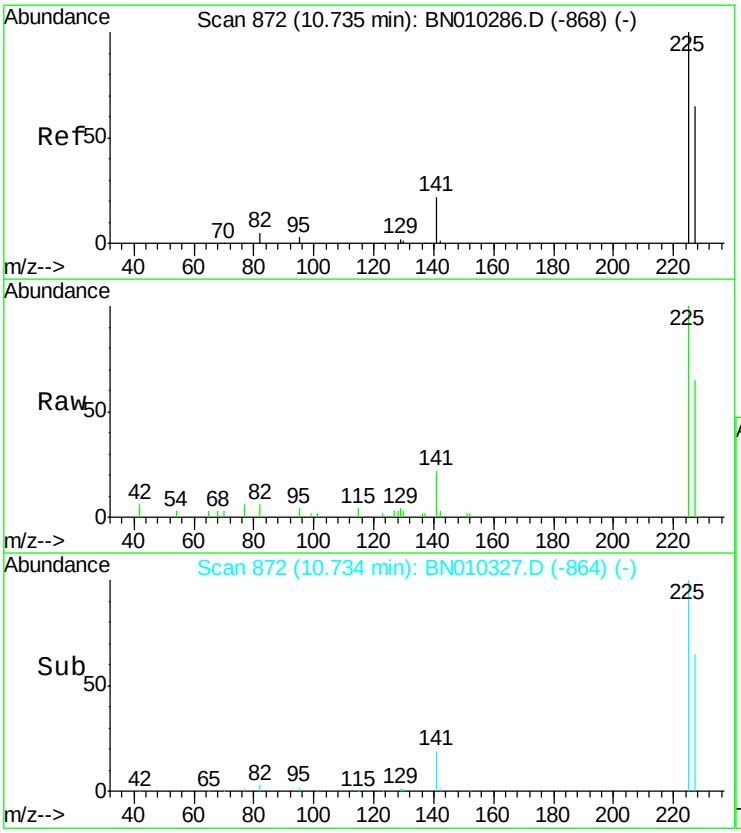
#9
Naphthalene
Concen: 0.416 ng
RT: 10.42 min Scan# 847
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:128 Resp: 16311

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	14.1	10.4	15.6

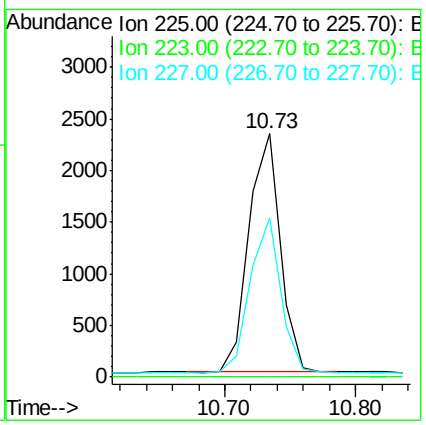


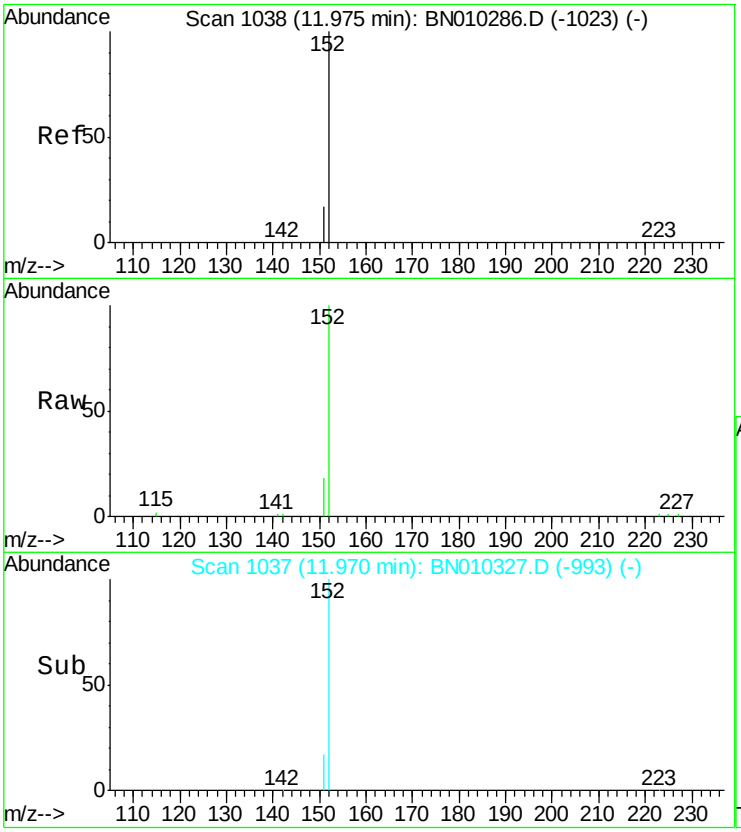


#10
Hexachlorobutadiene
Concen: 0.405 ng
RT: 10.73 min Scan# 872
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:225 Resp: 3844

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.8	51.9	77.9



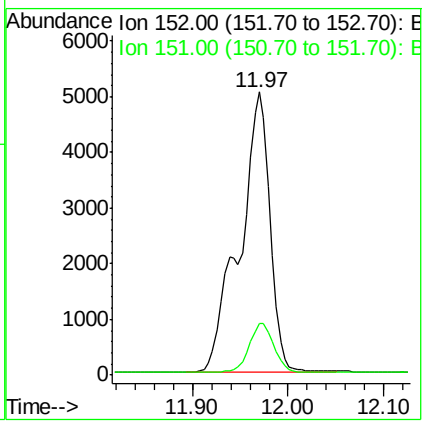


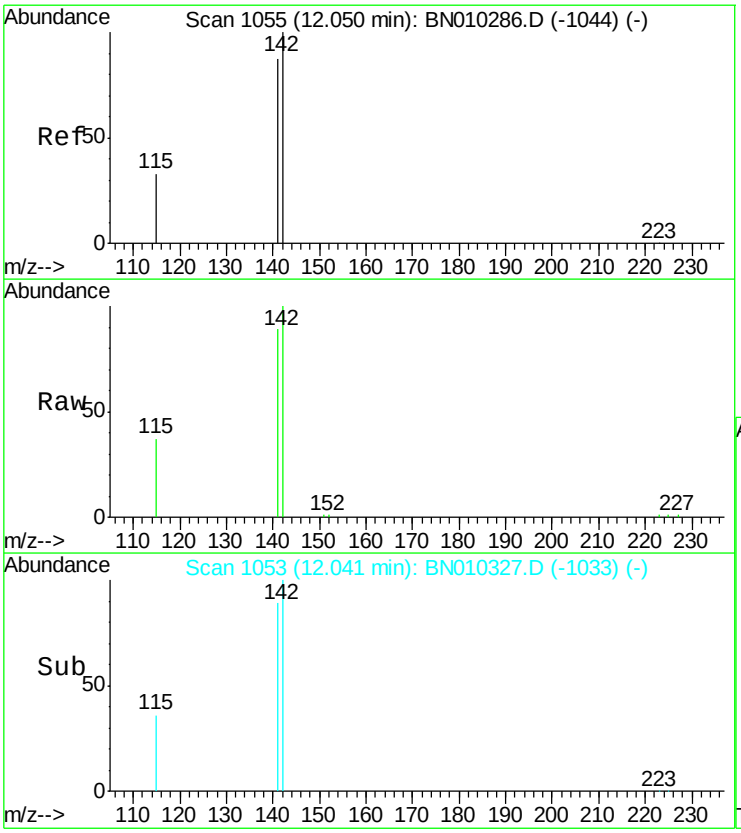
#11
2-Methylnaphthalene-d10
Concen: 0.439 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:152 Resp: 11013

Ion	Ratio	Lower	Upper
152	100		
151	14.3	15.4	23.2#

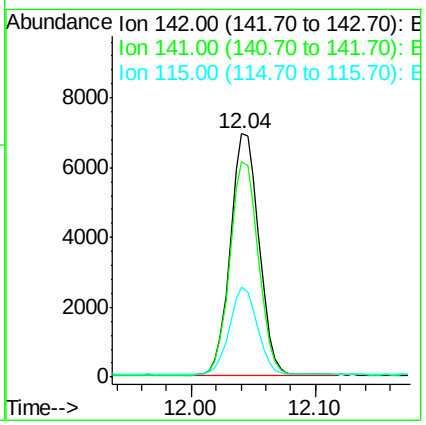


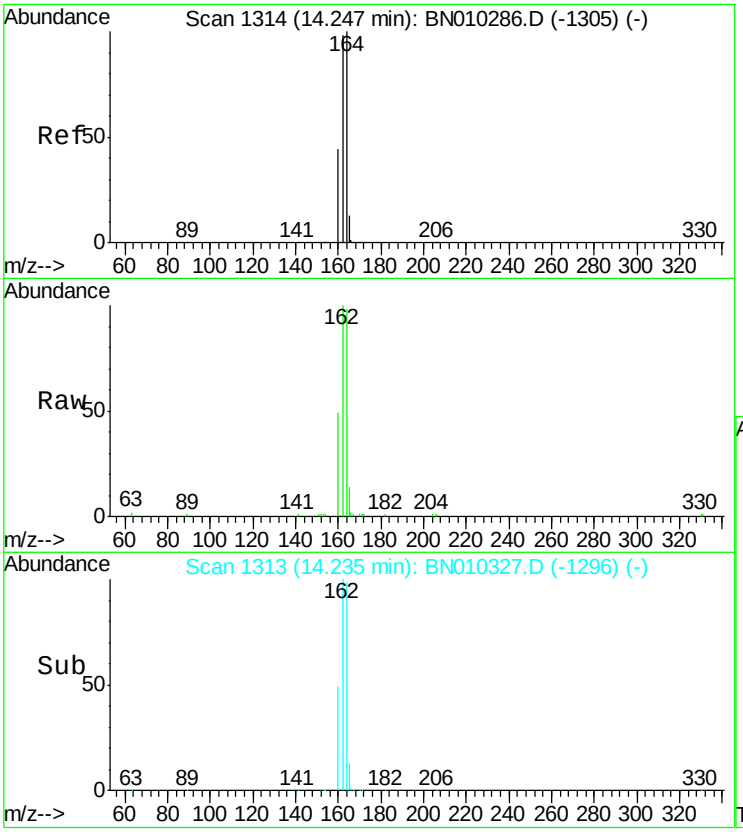


#12
2-Methylnaphthalene
Concen: 0.410 ng
RT: 12.04 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:142 Resp: 11129

Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.5	104.3
115	36.9	27.5	41.3



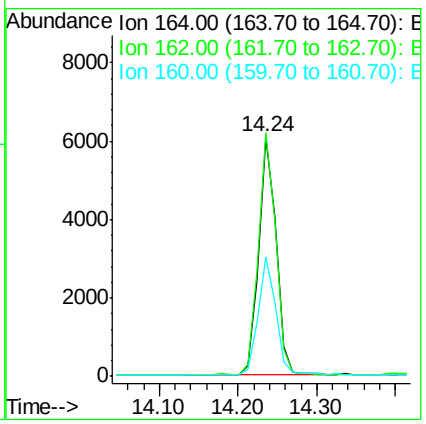


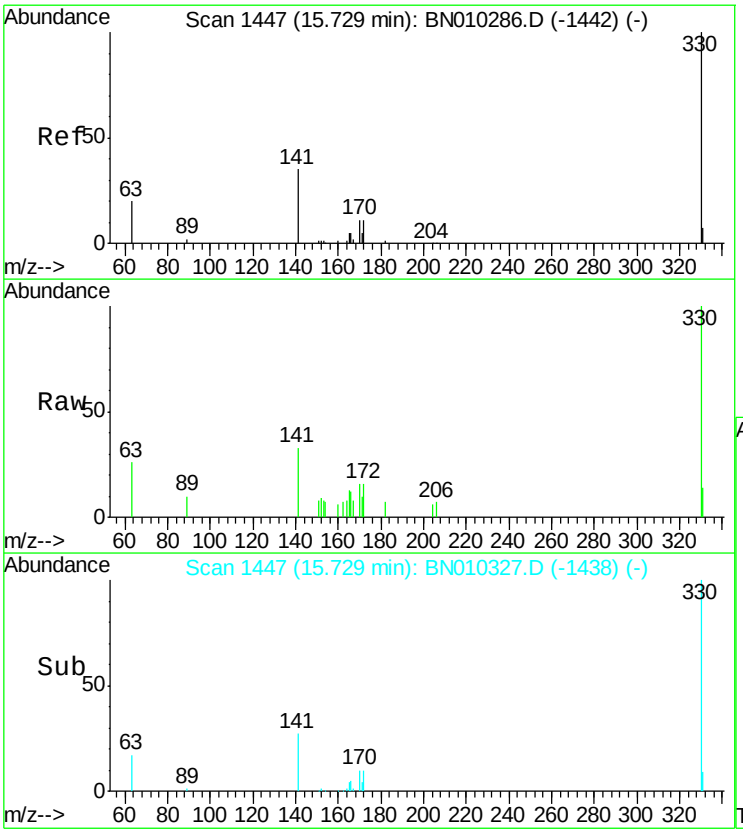
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:164 Resp: 9021

Ion	Ratio	Lower	Upper
164	100		
162	101.9	78.2	117.2
160	50.0	35.8	53.6

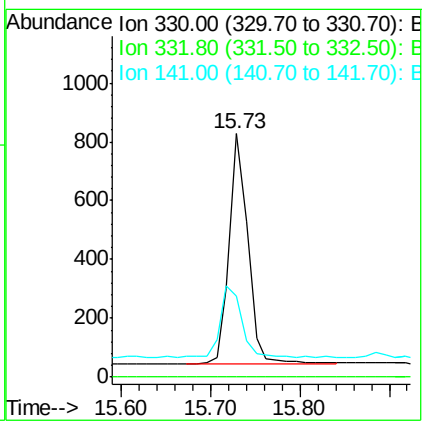


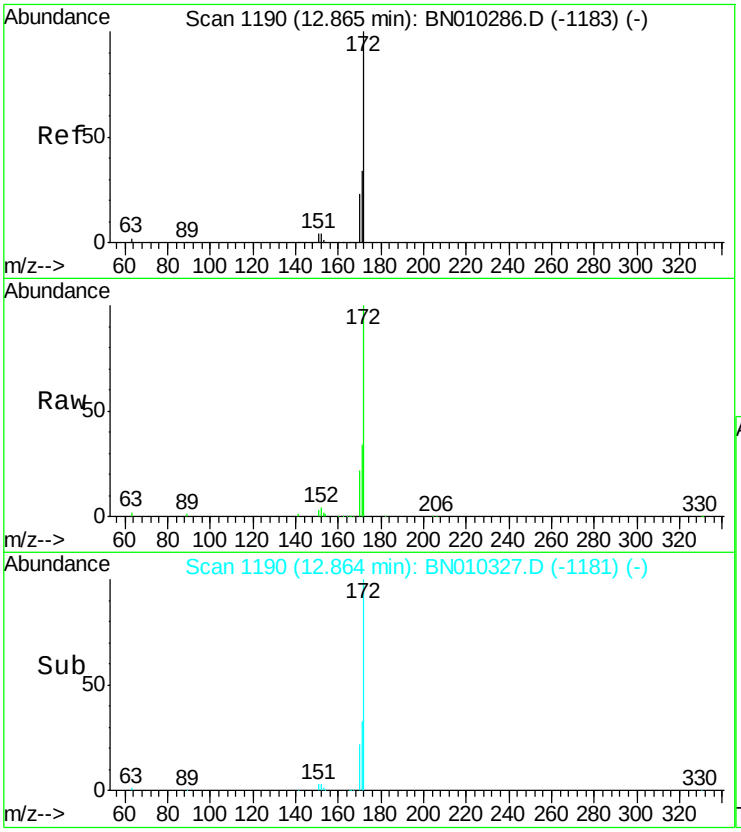


#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.73 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:330 Resp: 1131

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.1	29.3	43.9



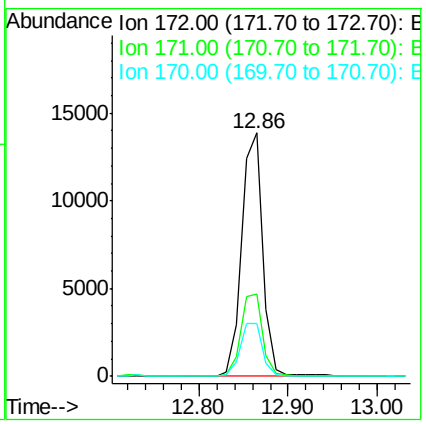


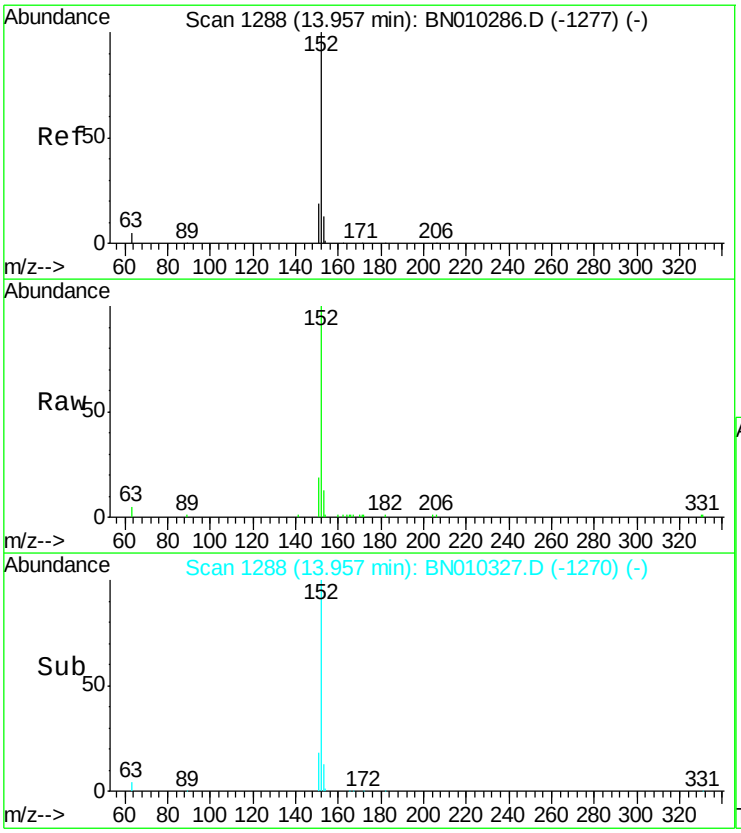
#15
2-Fluorobiphenyl
Concen: 0.651 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:172 Resp: 22483

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.6	41.4
170	21.9	18.5	27.7

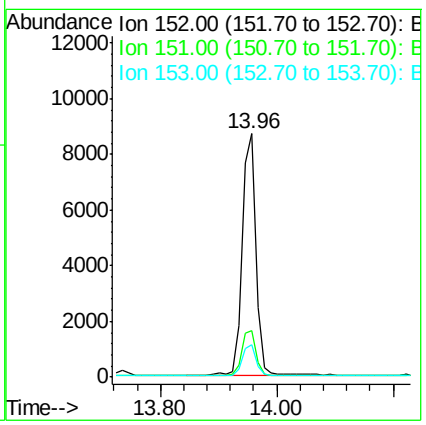


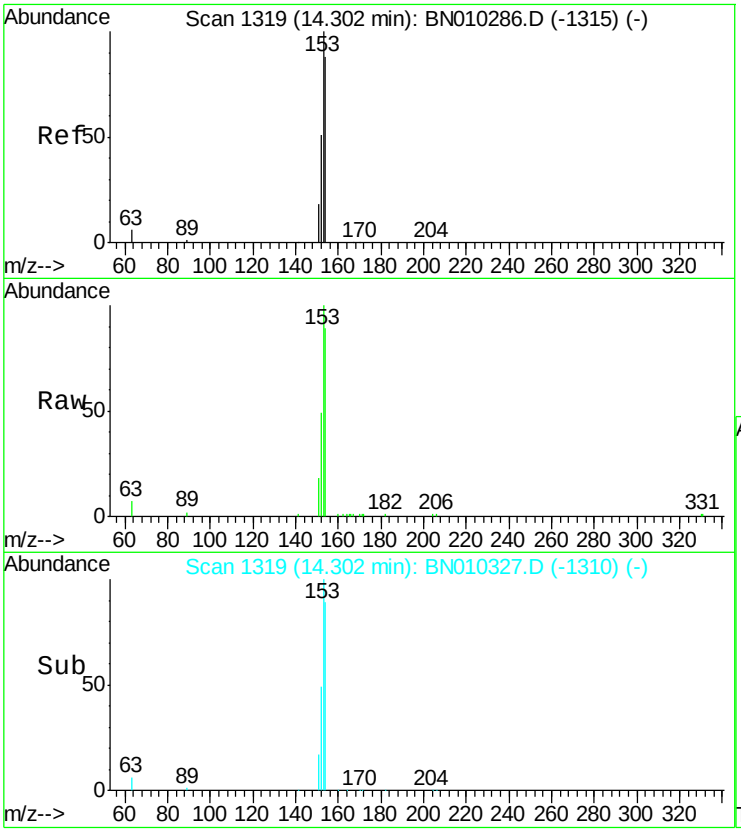


#16
Acenaphthylene
Concen: 0.408 ng
RT: 13.96 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:152 Resp: 14455

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.6	23.4
153	12.7	10.6	15.8



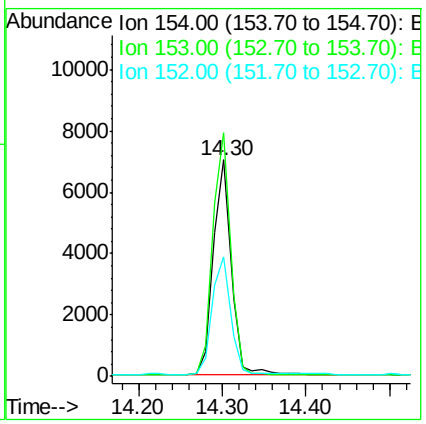


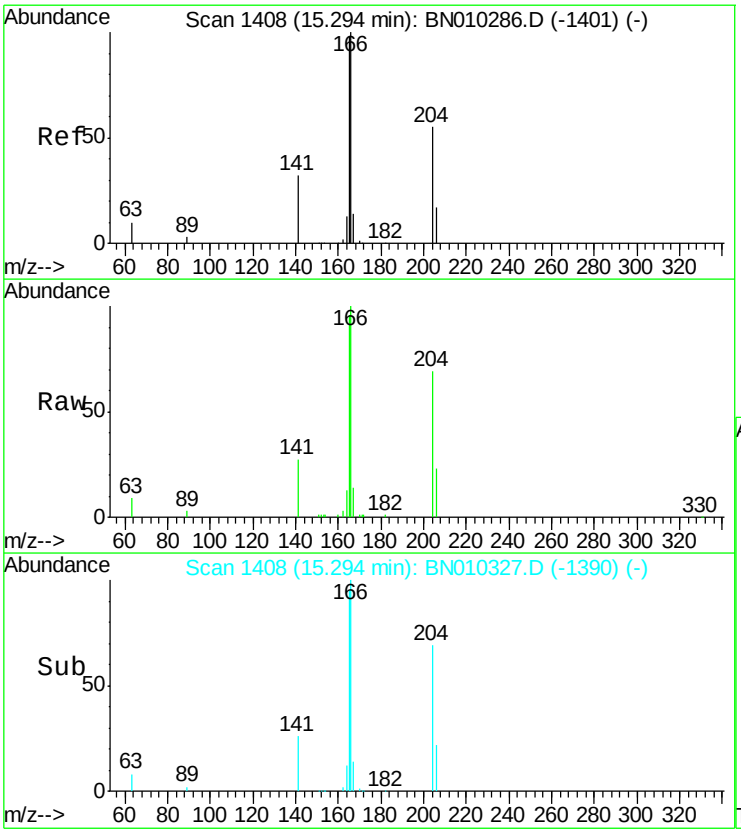
#17
Acenaphthene
Concen: 0.412 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:154 Resp: 10395

Ion	Ratio	Lower	Upper
154	100		
153	111.6	88.1	132.1
152	56.9	45.5	68.3

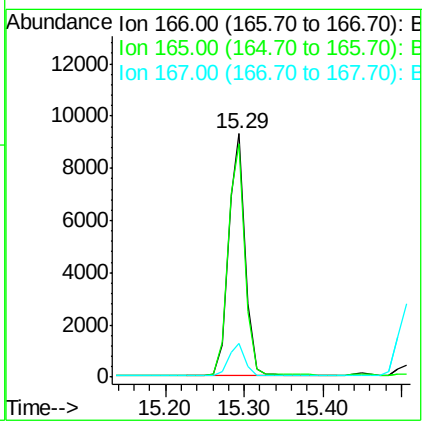


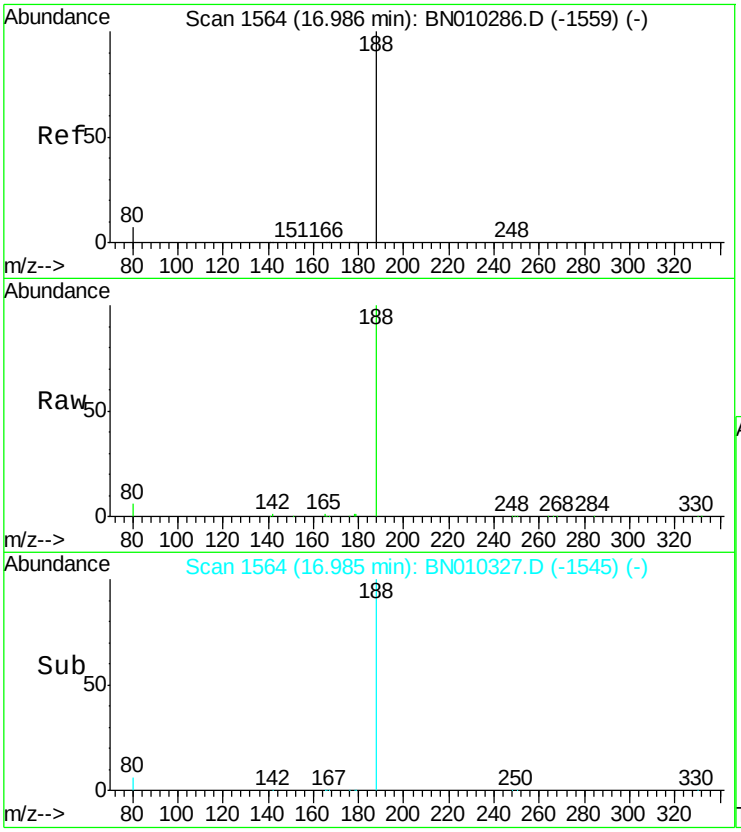


#18
Fluorene
Concen: 0.411 ng
RT: 15.29 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:166 Resp: 13769

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.7	118.1
167	13.6	11.0	16.4



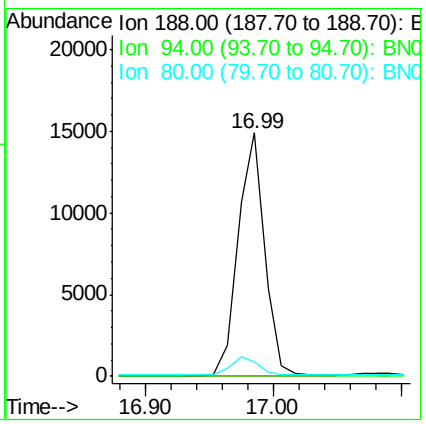


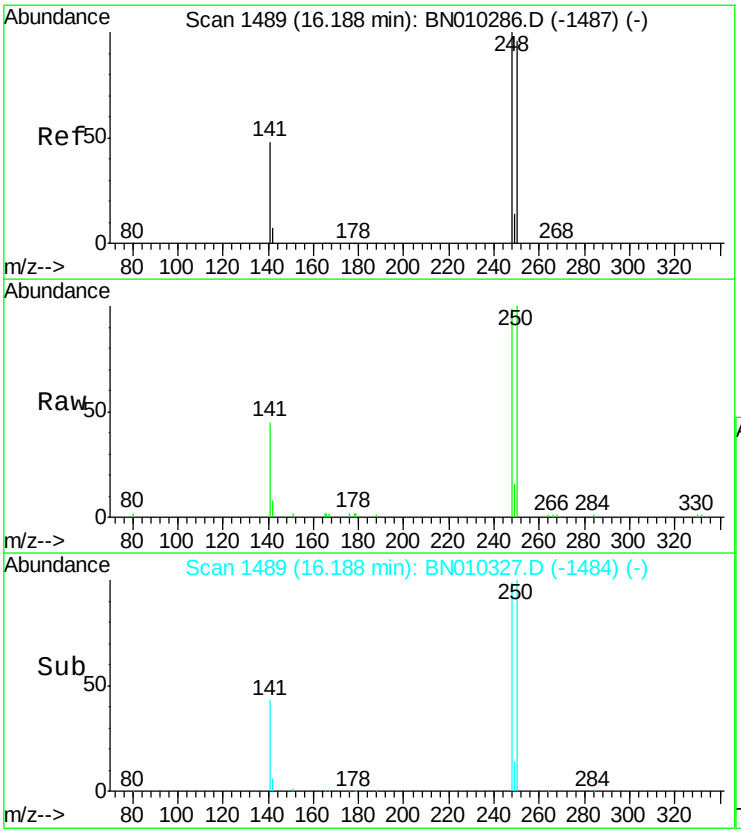
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:188 Resp: 21361

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	6.0	9.0

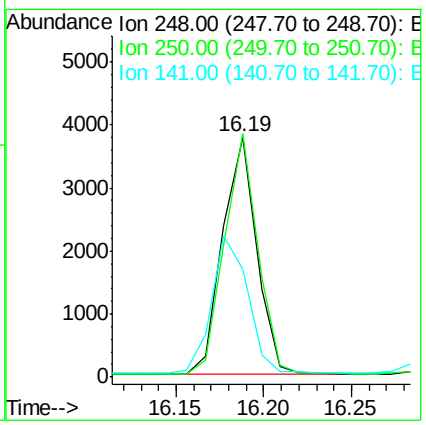


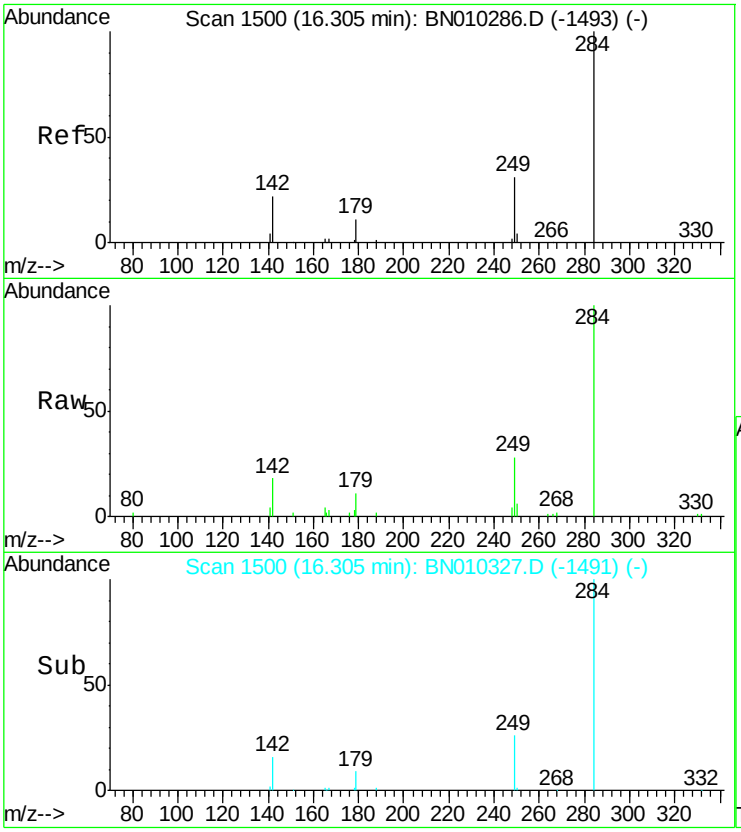


#20
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.19 min Scan# 1489
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:248 Resp: 5006

Ion	Ratio	Lower	Upper
248	100		
250	101.5	76.8	115.2
141	45.2	44.4	66.6



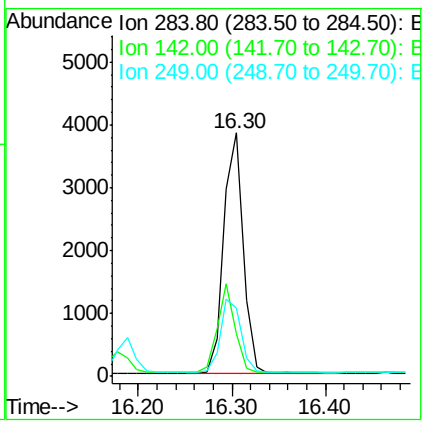


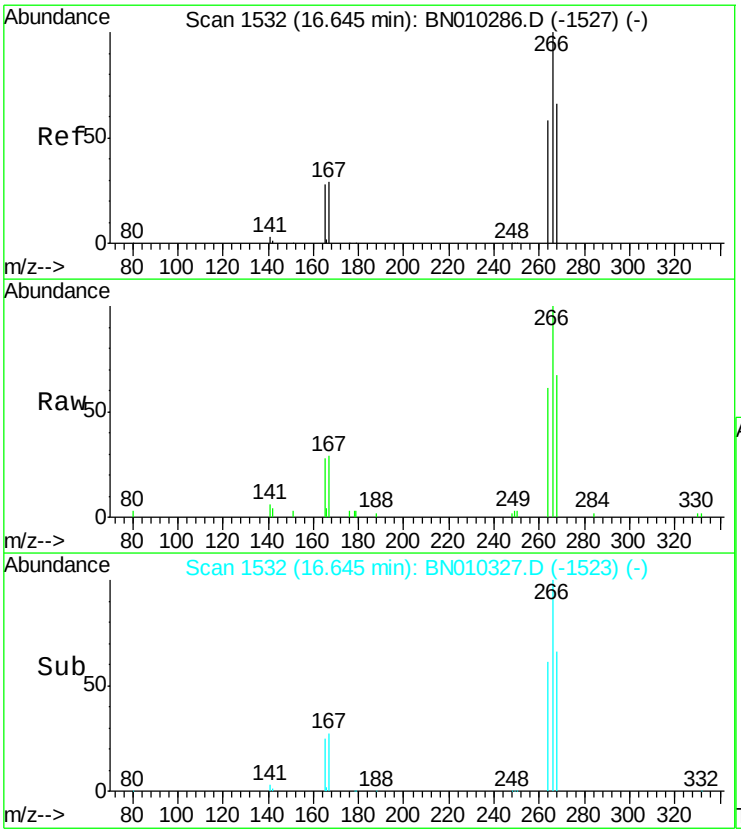
#21
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.30 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:284 Resp: 5483

Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.4	41.2
249	32.2	26.5	39.7

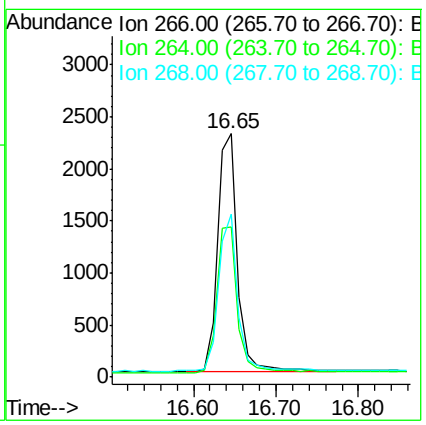


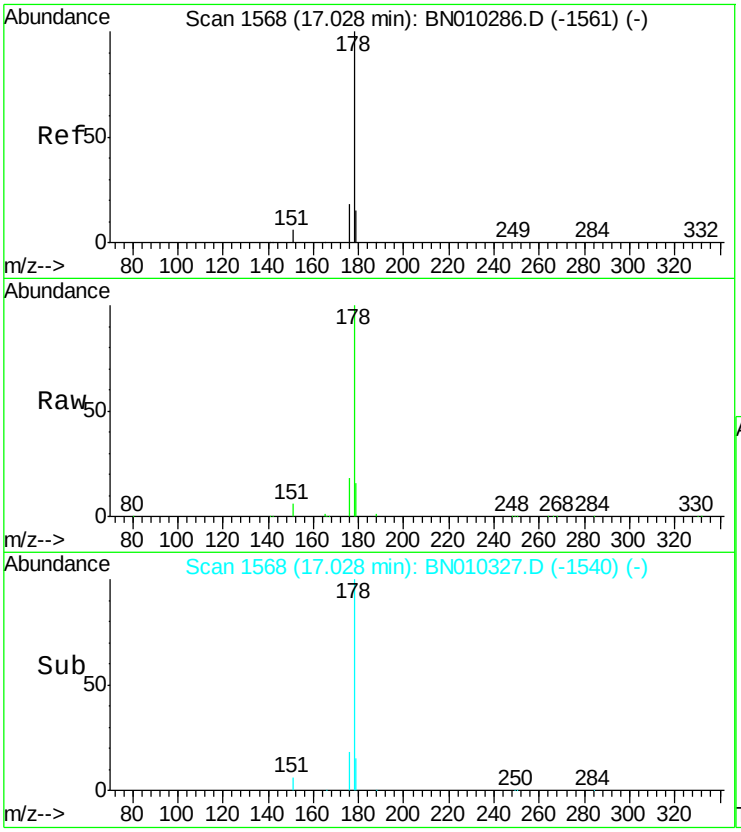


#22
Pentachlorophenol
Concen: 0.851 ng
RT: 16.65 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:266 Resp: 3875

Ion	Ratio	Lower	Upper
266	100		
264	61.4	47.7	71.5
268	66.9	54.9	82.3



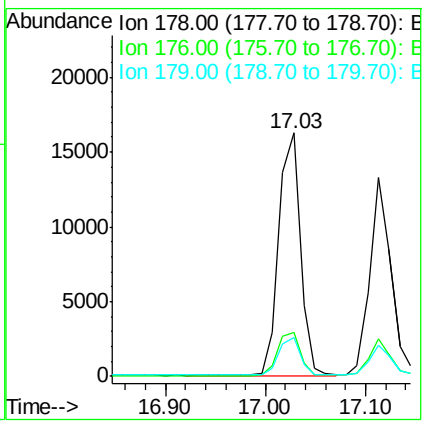


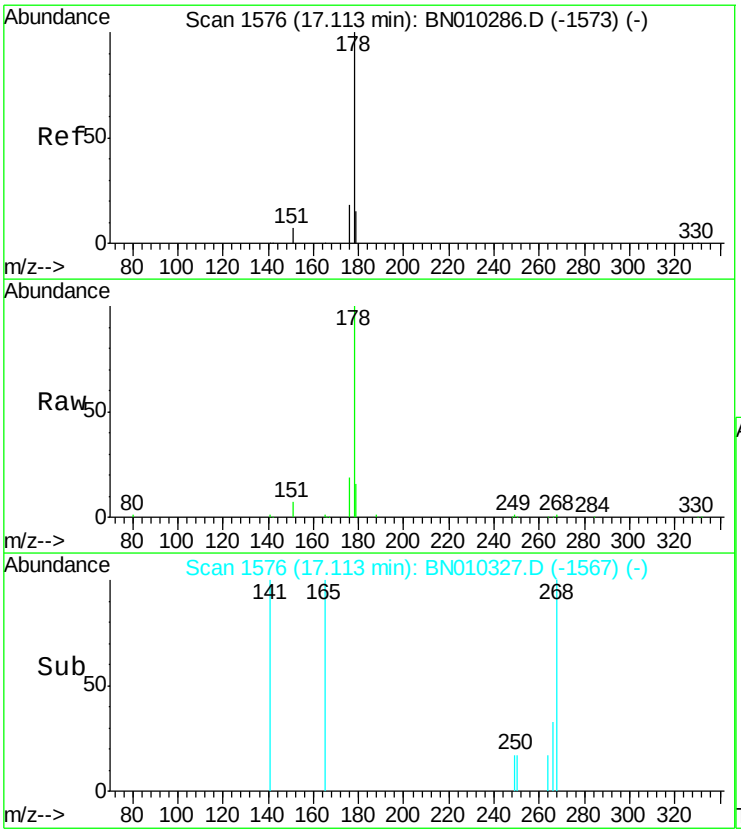
#23
Phenanthrene
Concen: 0.415 ng
RT: 17.03 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:178 Resp: 24356

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.4	18.6

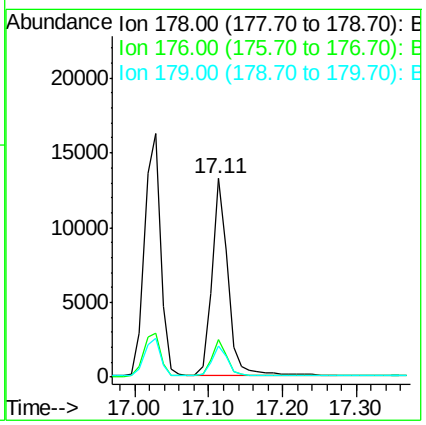


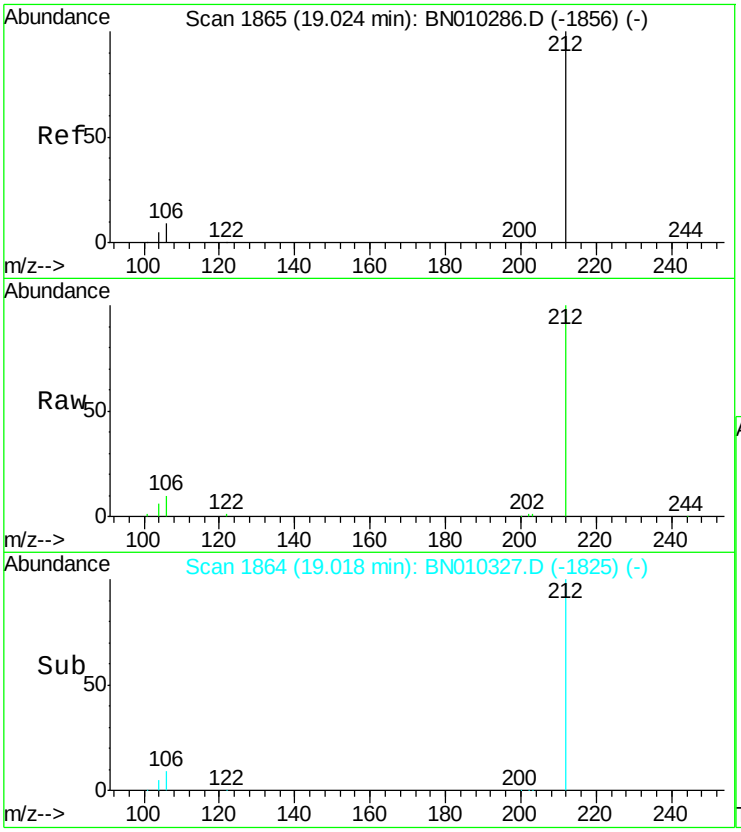


#24
Anthracene
Concen: 0.397 ng
RT: 17.11 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:178 Resp: 19956

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.7	12.3	18.5



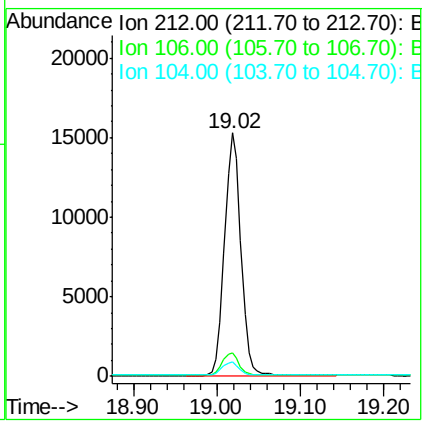


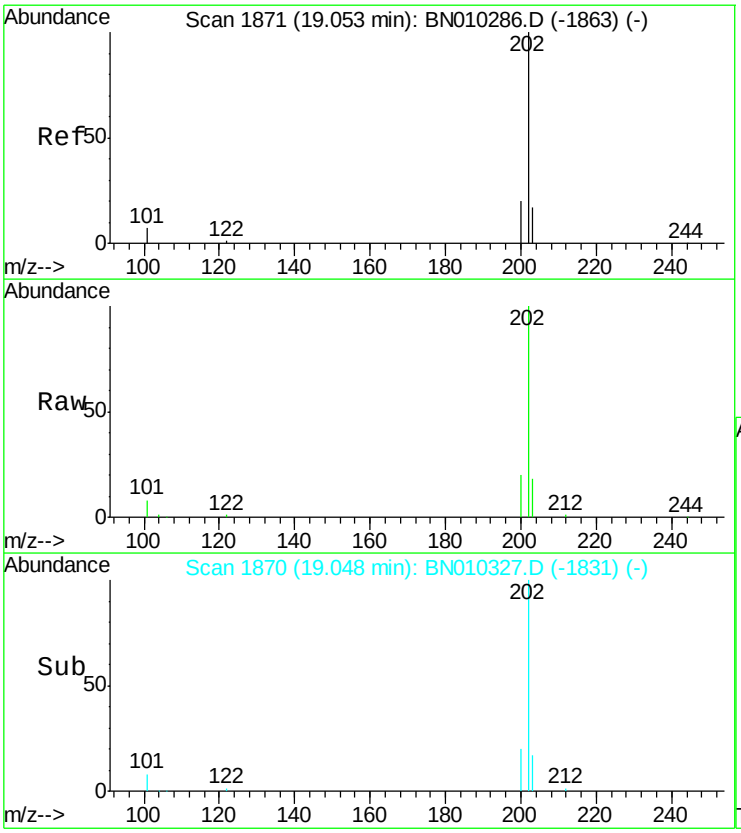
#25
Fluoranthene-d10
Concen: 0.322 ng
RT: 19.02 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:212 Resp: 20754

Ion	Ratio	Lower	Upper
212	100		
106	9.3	7.4	11.2
104	5.3	4.2	6.4

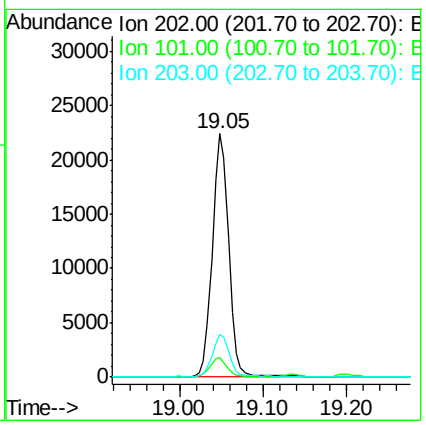


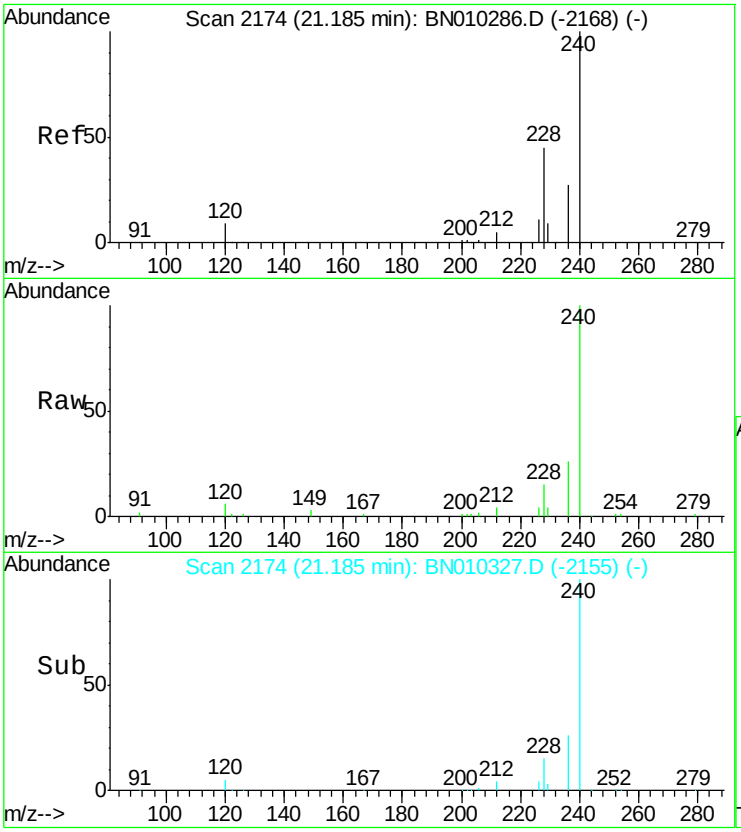


#26
Fluoranthene
Concen: 0.417 ng
RT: 19.05 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:202 Resp: 29970

Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.6	9.8
203	17.3	13.8	20.8



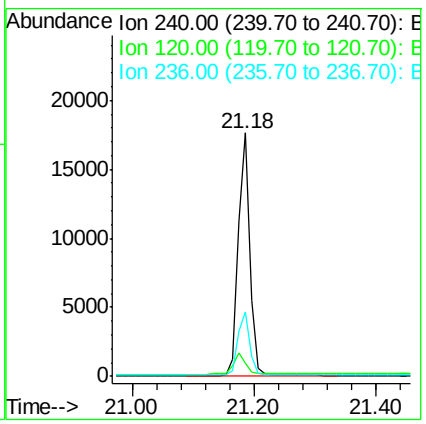


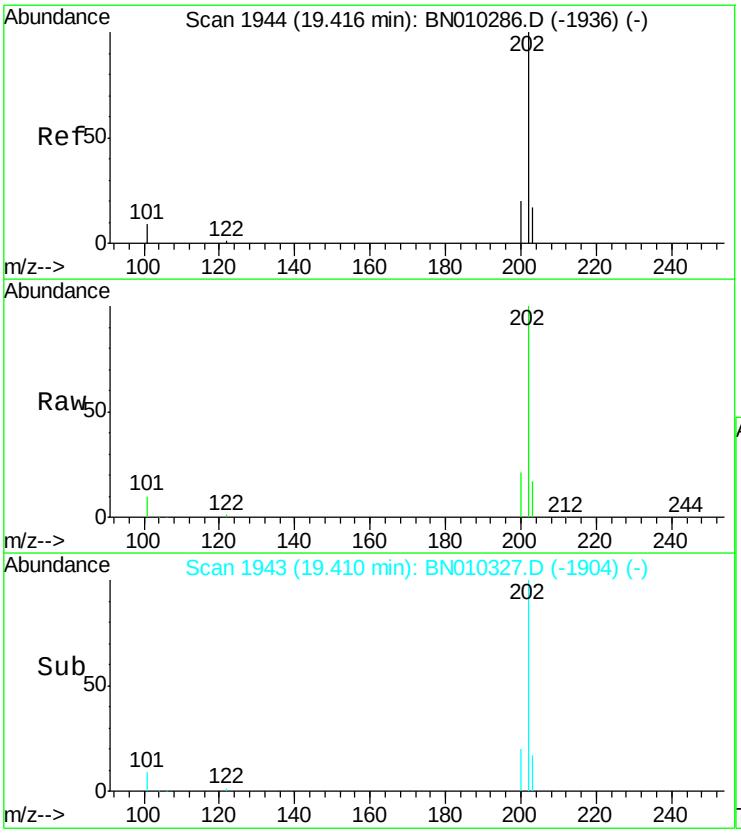
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.18 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:240 Resp: 23286

Ion	Ratio	Lower	Upper
240	100		
120	5.7	7.9	11.9#
236	26.5	22.2	33.4

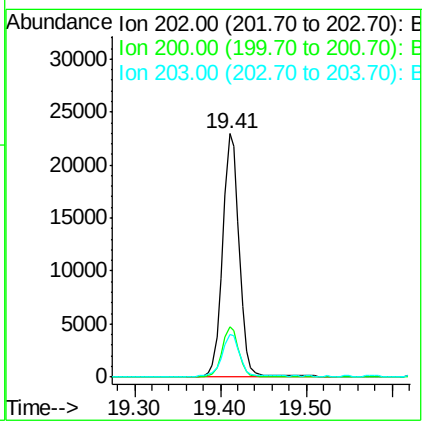


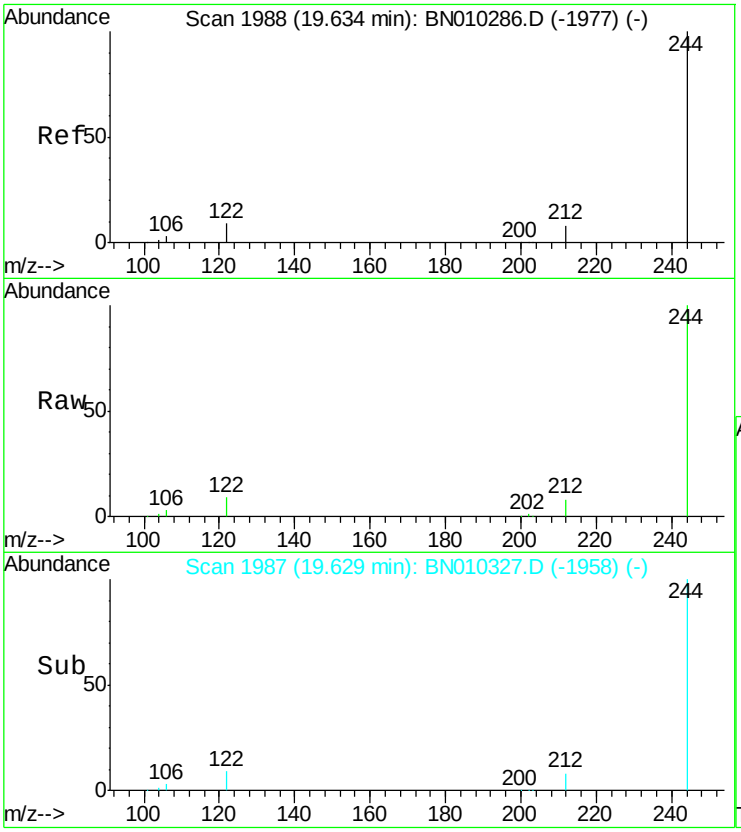


#28
Pyrene
Concen: 0.420 ng
RT: 19.41 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:202 Resp: 30418

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.9	14.2	21.2



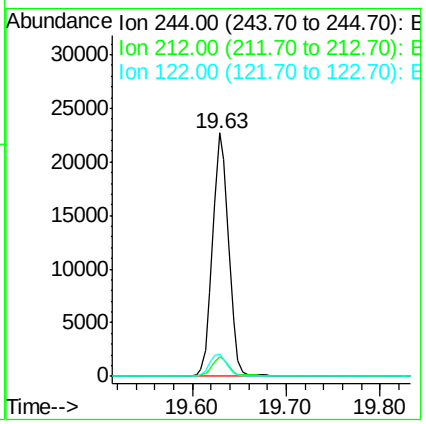


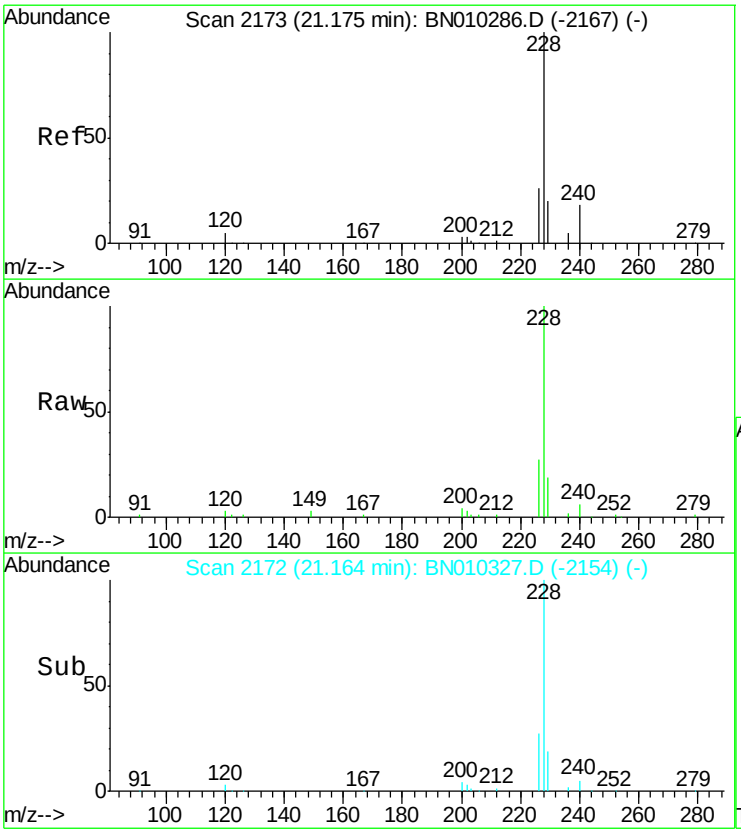
#29
Terphenyl-d14
Concen: 0.531 ng
RT: 19.63 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:244 Resp: 26736

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.3	9.5
122	9.3	7.6	11.4

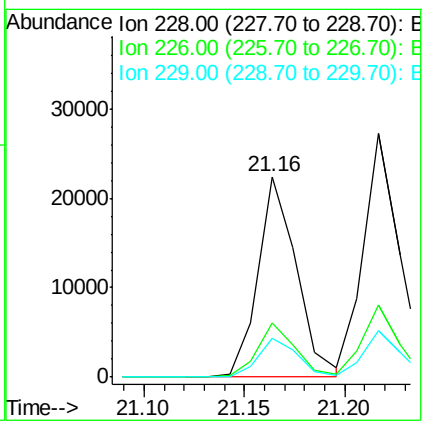


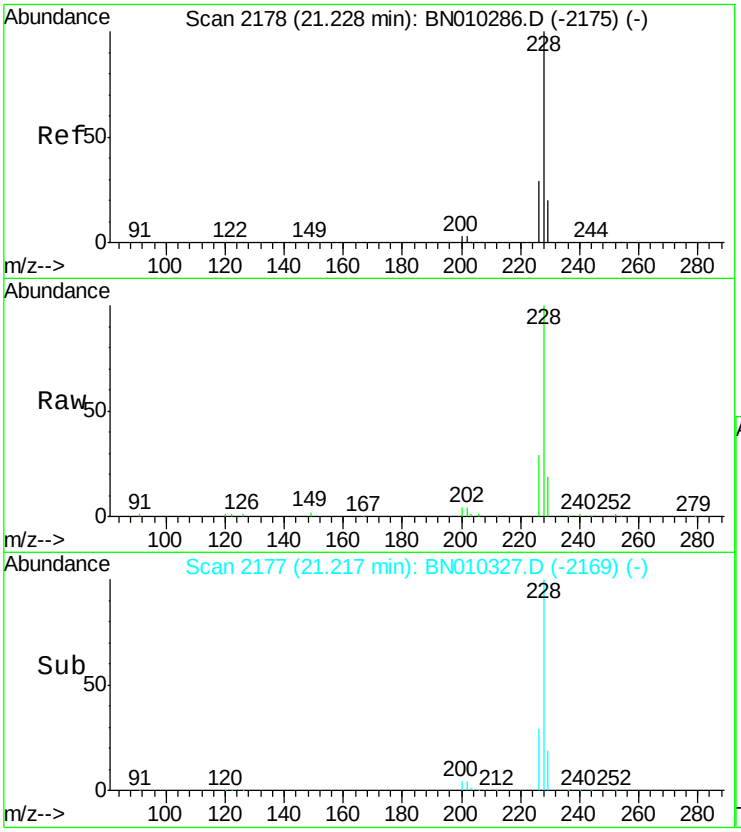


#30
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:228 Resp: 29836

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.0	31.4
229	19.2	16.0	24.0



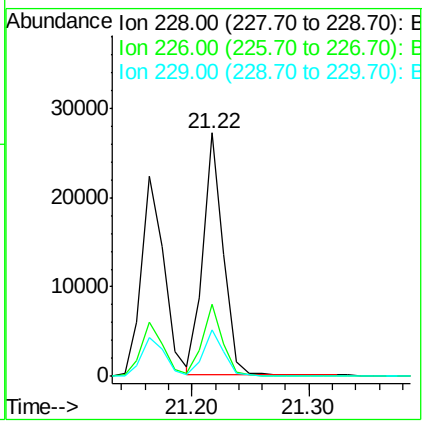


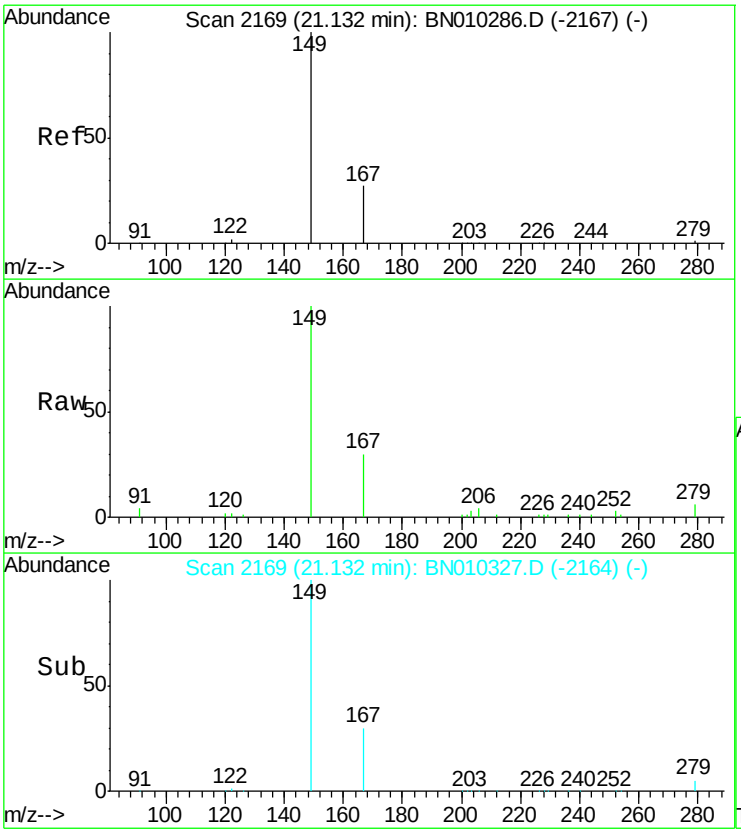
#31
Chrysene
Concen: 0.412 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:228 Resp: 32747

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	19.2	16.0	24.0

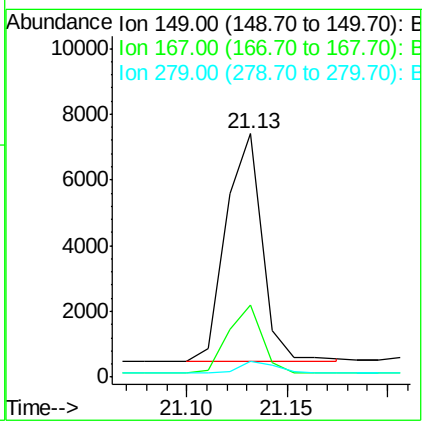


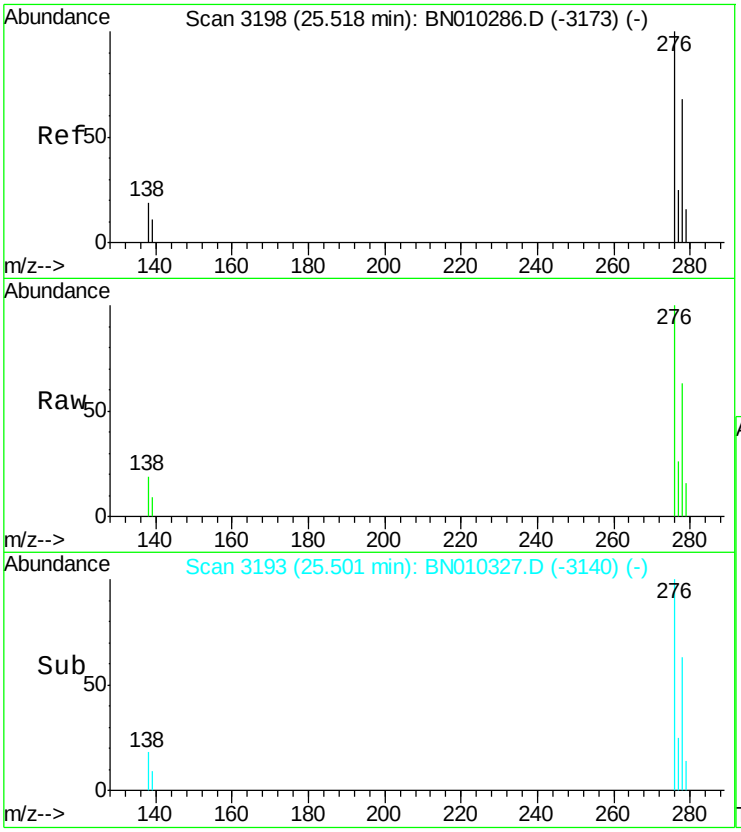


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.13 min Scan# 2169
Delta R.T. -0.00 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:149 Resp: 8709

Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.0	34.6
279	4.8	3.8	5.8



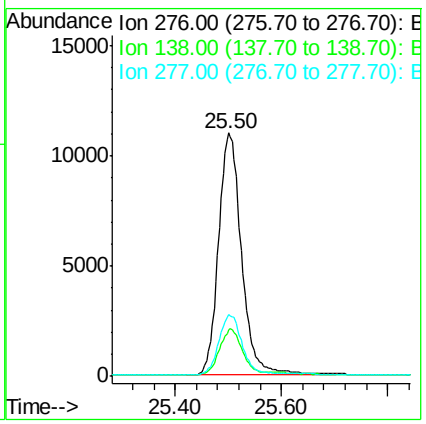


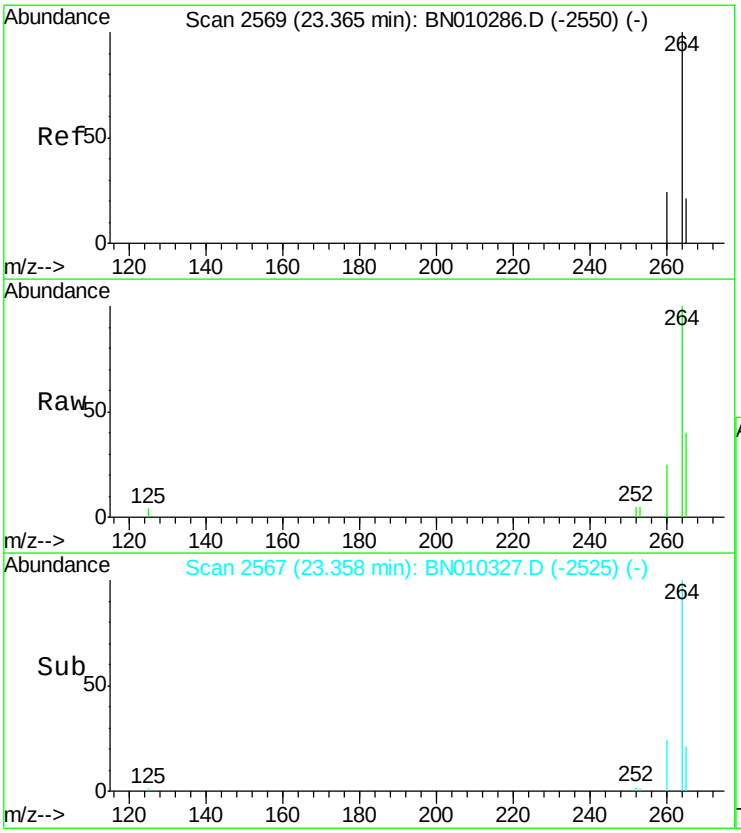
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.391 ng
RT: 25.50 min Scan# 3193
Delta R.T. -0.02 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:276 Resp: 33284

Ion	Ratio	Lower	Upper
276	100		
138	18.6	15.6	23.4
277	25.0	20.1	30.1

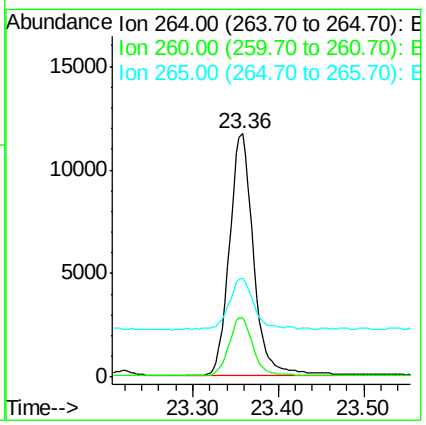


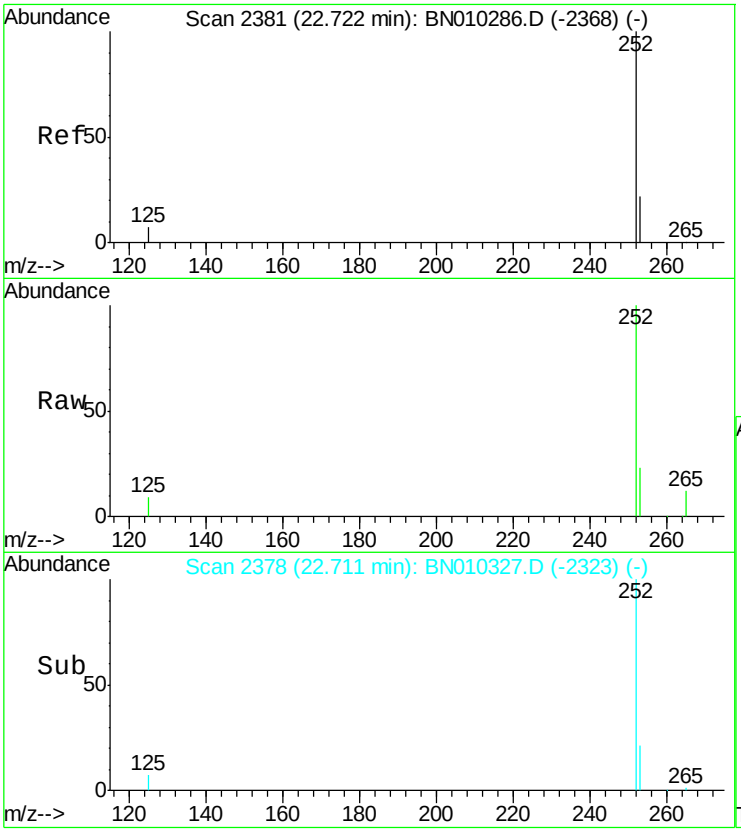


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.36 min Scan# 2567
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:264 Resp: 22785

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	40.4	32.4	48.6



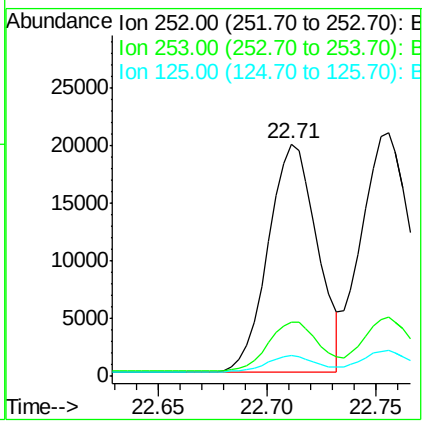


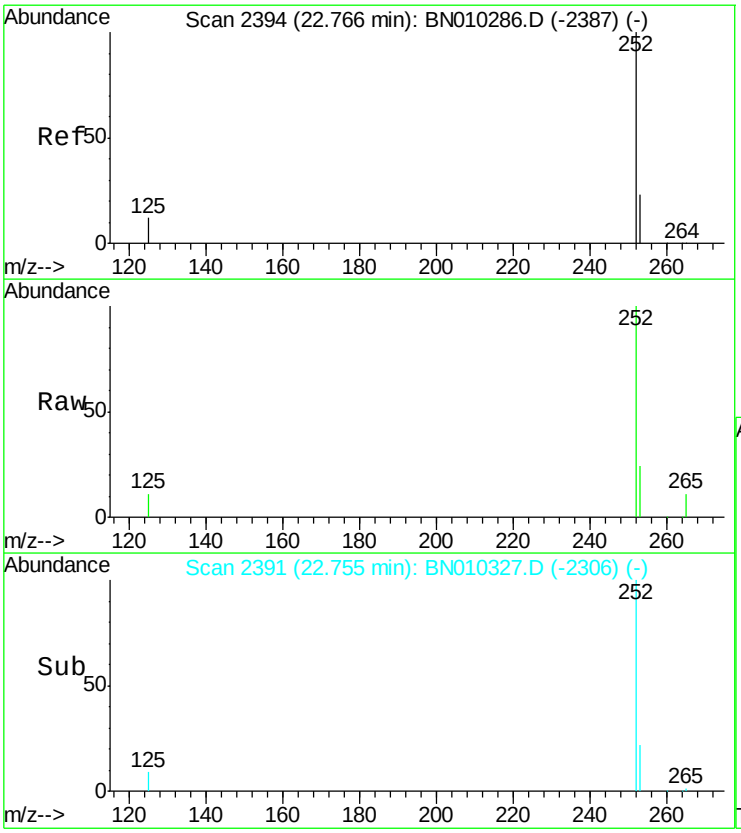
#35
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:252 Resp: 31009

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	8.9	7.4	11.0

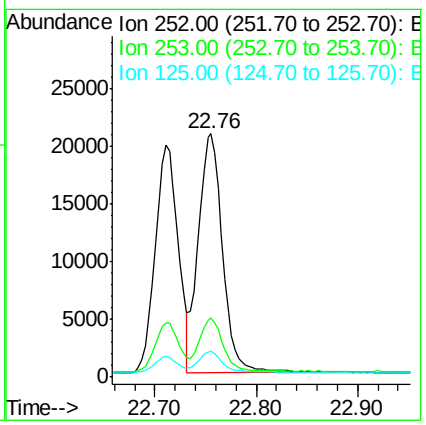


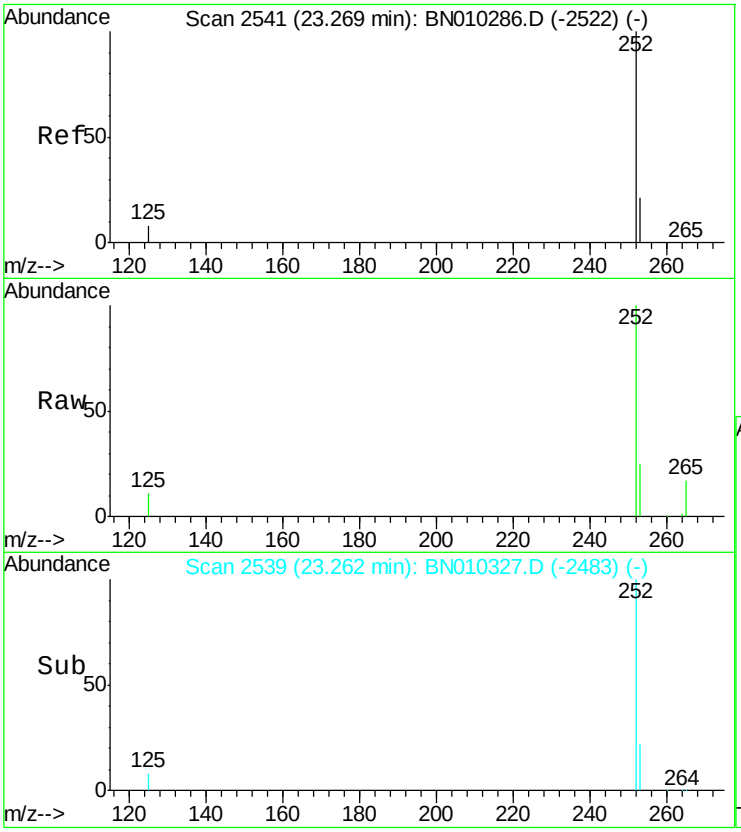


#36
Benzo(k)fluoranthene
Concen: 0.436 ng
RT: 22.76 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:252 Resp: 34355

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	10.7	10.2	15.2



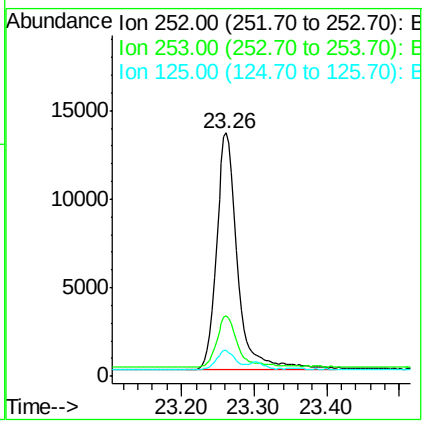


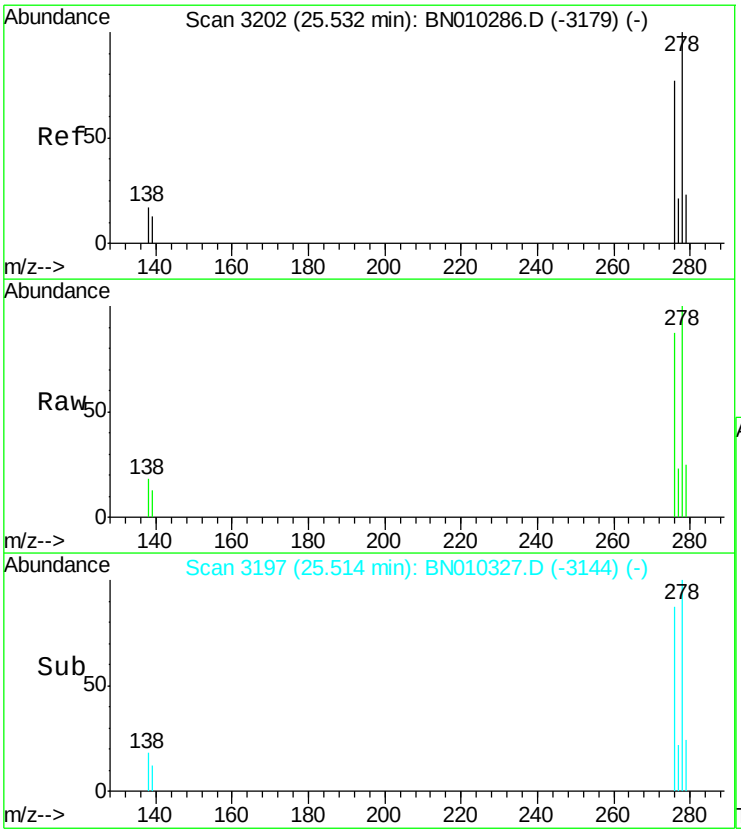
#37
Benzo(a)pyrene
Concen: 0.421 ng
RT: 23.26 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:252 Resp: 27470

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.9	29.9
125	10.6	8.9	13.3

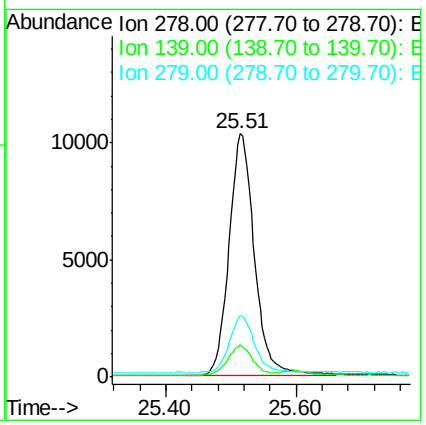


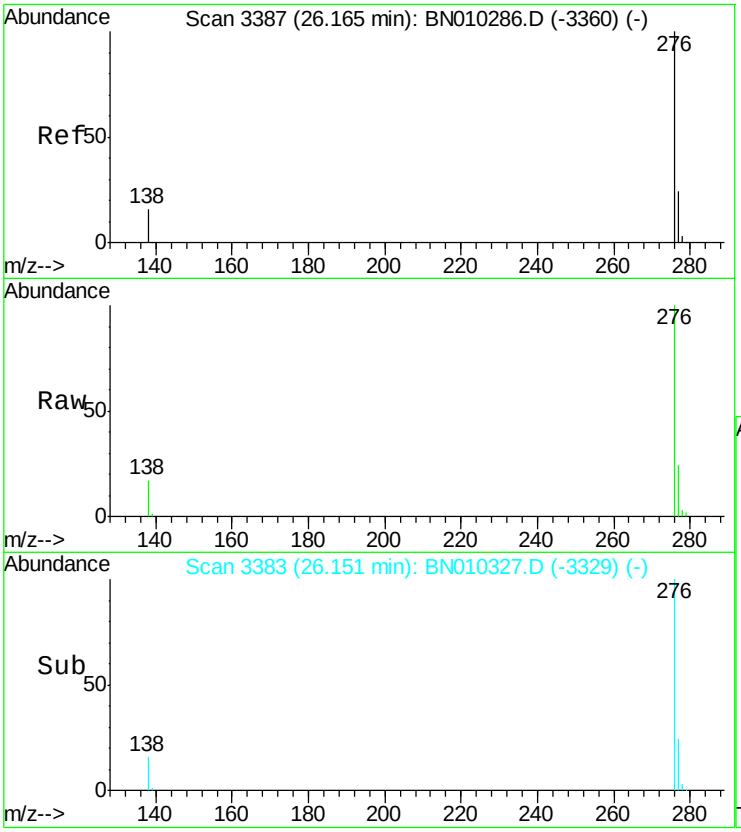


#38
Dibenzo(a,h)anthracene
Concen: 0.400 ng
RT: 25.51 min Scan# 3197
Delta R.T. -0.02 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Tgt Ion:278 Resp: 28225

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	16.0
279	25.5	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.405 ng
RT: 26.15 min Scan# 3383
Delta R.T. -0.01 min
Lab File: BN010327.D
Acq: 24 Mar 2020 15:39

Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MS

Tgt Ion:276 Resp: 28779

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	16.7	13.3	19.9