Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031920\
Data File : BN010291.D
Acq On : 19 Mar 2020 15:38
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : ICVBN031920

Quant Time: Mar 19 19:21:38 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	7.61	152	4350	0.40	ng		0.00
7) Naphthalene-d8	10.38	136	14873	0.40	ng		0.00
13) Acenaphthene-d10	14.24	164	9300	0.40	ng		-0.01
19) Phenanthrene-d10	16.99	188	21639	0.40	ng		0.00
27) Chrysene-d12	21.20	240	23573	0.40	ng		0.01
34) Perylene-d12	23.37	264	24257	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	3427	0.40	ng		0.00
5) Phenol-d6	6.79	99	4153	0.39	ng		0.00
8) Nitrobenzene-d5	8.74	82	3781	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.97	152	9441	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.73	330	1295	0.36	ng		0.00
15) 2-Fluorobiphenyl	12.86	172	13911	0.39	ng		0.00
25) Fluoranthene-d10	19.02	212	25090	0.38	ng		0.00
29) Terphenyl-d14	19.63	244	19893	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	1713	0.419	ng		99
3) n-Nitrosodimethylamine	3.55	42	1584	0.459	ng	#	99
6) bis(2-Chloroethyl)ether	7.05	93	4382	0.426	ng		98
9) Naphthalene	10.42	128	14940	0.403	ng		98
10) Hexachlorobutadiene	10.73	225	3602	0.401	ng	#	98
12) 2-Methylnaphthalene	12.05	142	10255	0.399	ng		99
16) Acenaphthylene	13.96	152	13406	0.367	ng		100
17) Acenaphthene	14.30	154	10107	0.389	ng		100
18) Fluorene	15.29	166	13201	0.382	ng		99
20) 4-Bromophenyl-phenylether	16.19	248	5191	0.395	ng		97
21) Hexachlorobenzene	16.31	284	5430	0.403	ng		99
22) Pentachlorophenol	16.65	266	1603	0.347	ng		97
23) Phenanthrene	17.03	178	23601	0.397	ng		99
24) Anthracene	17.11	178	19399	0.381	ng		100
26) Fluoranthene	19.05	202	28376	0.389	ng		100
28) Pyrene	19.42	202	28511	0.388	ng		100
30) Benzo(a)anthracene	21.17	228	29345	0.391	ng		99
31) Chrysene	21.23	228	32274	0.401	ng		100
32) Bis(2-ethylhexyl)phthalate	21.14	149	10285	0.406	ng		99
33) Indeno(1,2,3-cd)pyrene	25.52	276	36729	0.426	ng		100
35) Benzo(b)fluoranthene	22.72	252	30424	0.369	ng		99
36) Benzo(k)fluoranthene	22.77	252	32002	0.382	ng		100
37) Benzo(a)pyrene	23.27	252	25123	0.361	ng		100
38) Dibenzo(a,h)anthracene	25.53	278	30114	0.401	ng		99
39) Benzo(g,h,i)perylene	26.17	276	28256	0.373	ng		99

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

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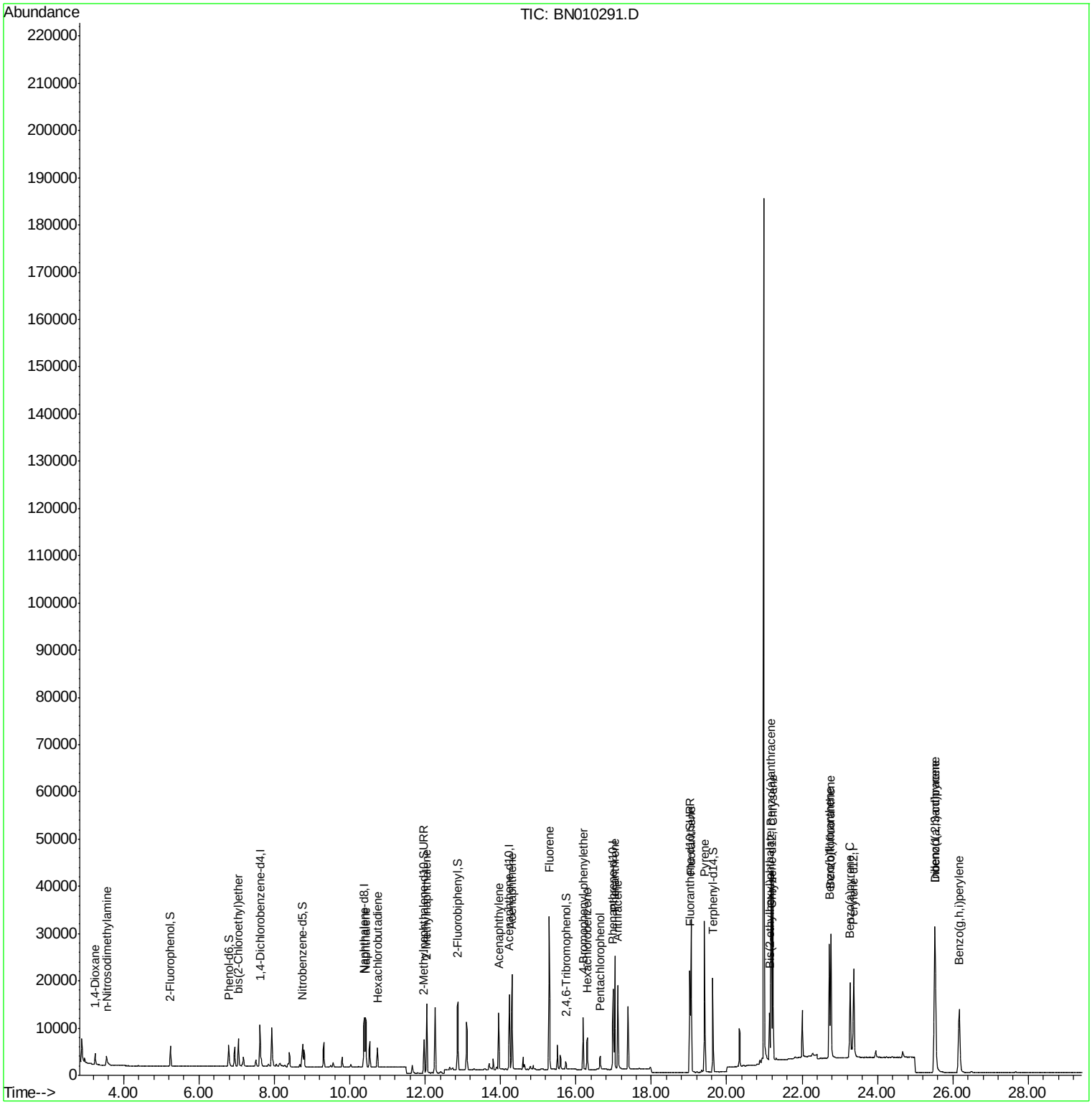
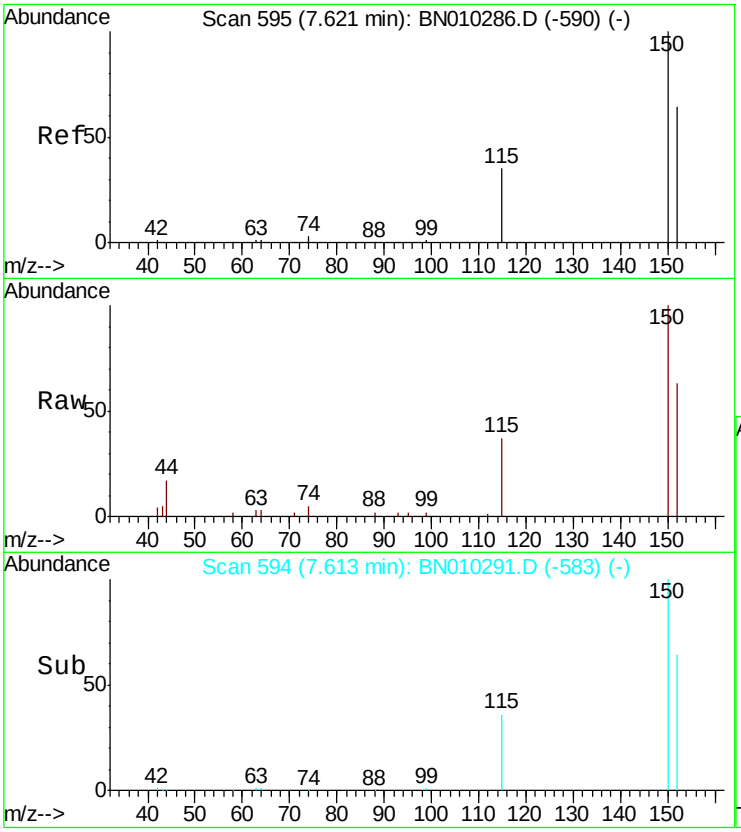
Acq On : 19 Mar 2020 15:38
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Quant Time: Mar 19 19:21:38 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



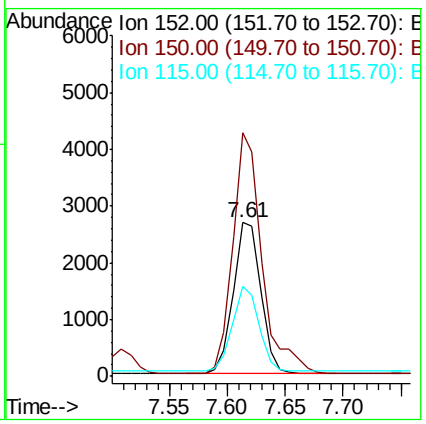


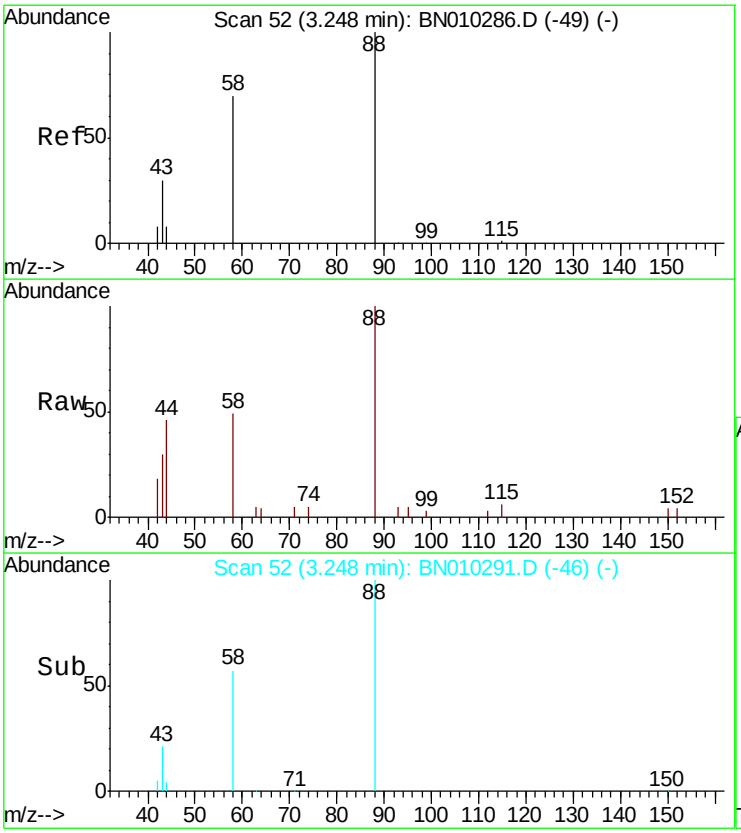
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.61 min Scan# 594
Delta R.T. -0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:152 Resp: 4350

Ion	Ratio	Lower	Upper
152	100		
150	158.5	123.1	184.7
115	58.6	45.2	67.8

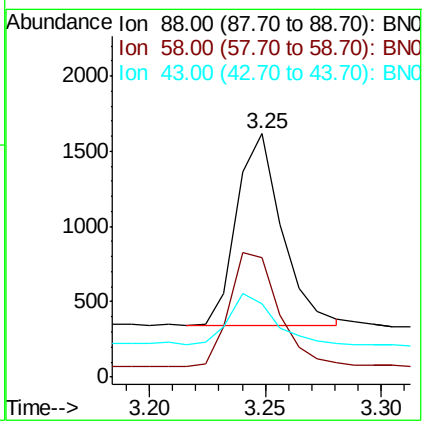


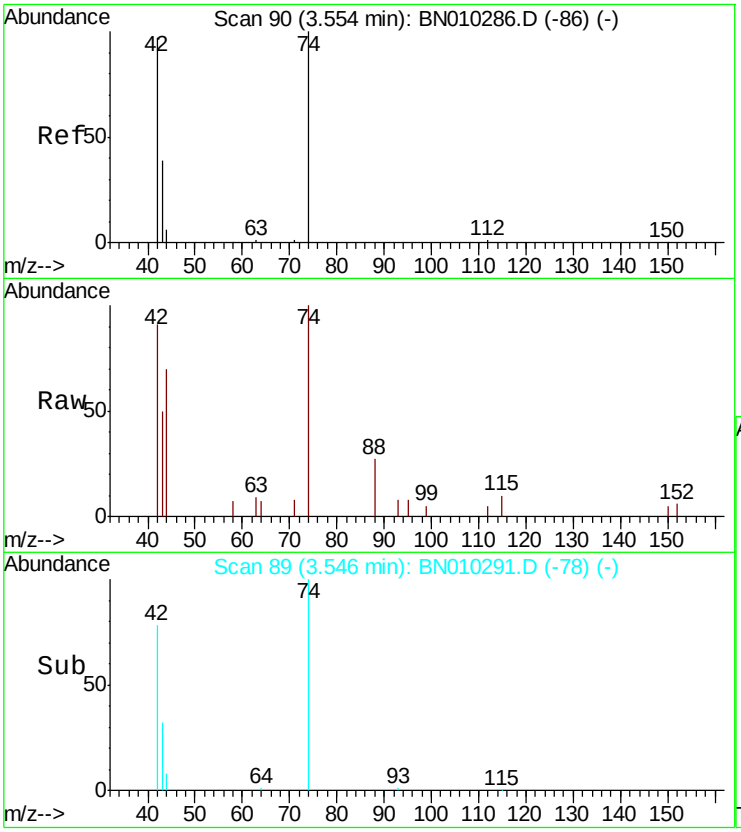


#2
1,4-Dioxane
Concen: 0.419 ng
RT: 3.25 min Scan# 52
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion: 88 Resp: 1713

Ion	Ratio	Lower	Upper
88	100		
58	65.4	51.7	77.5
43	26.3	21.2	31.8



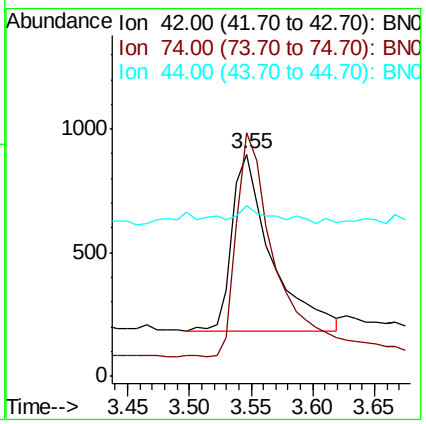


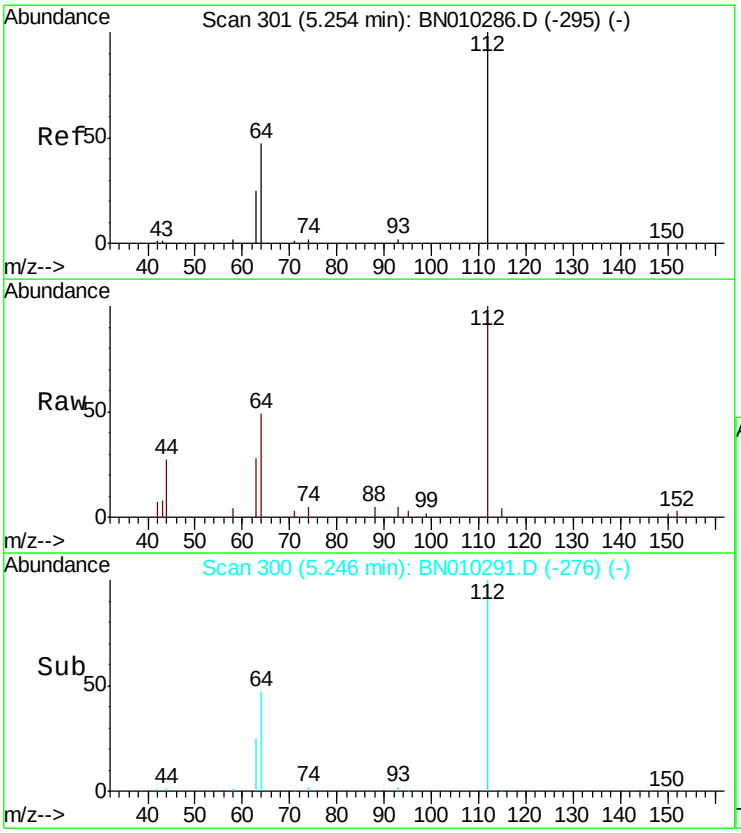
#3
n-Nitrosodimethylamine
Concen: 0.459 ng
RT: 3.55 min Scan# 89
Delta R.T. -0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion: 42 Resp: 1584

Ion	Ratio	Lower	Upper
42	100		
74	124.6	99.4	149.0
44	9.5	4.8	7.2#

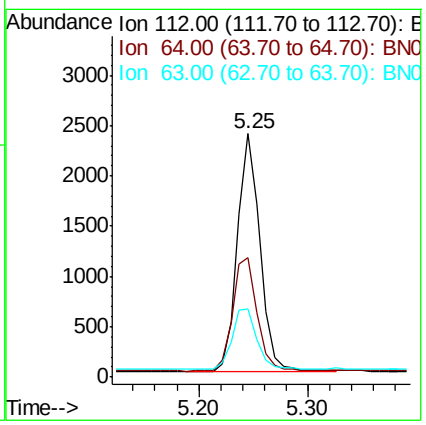


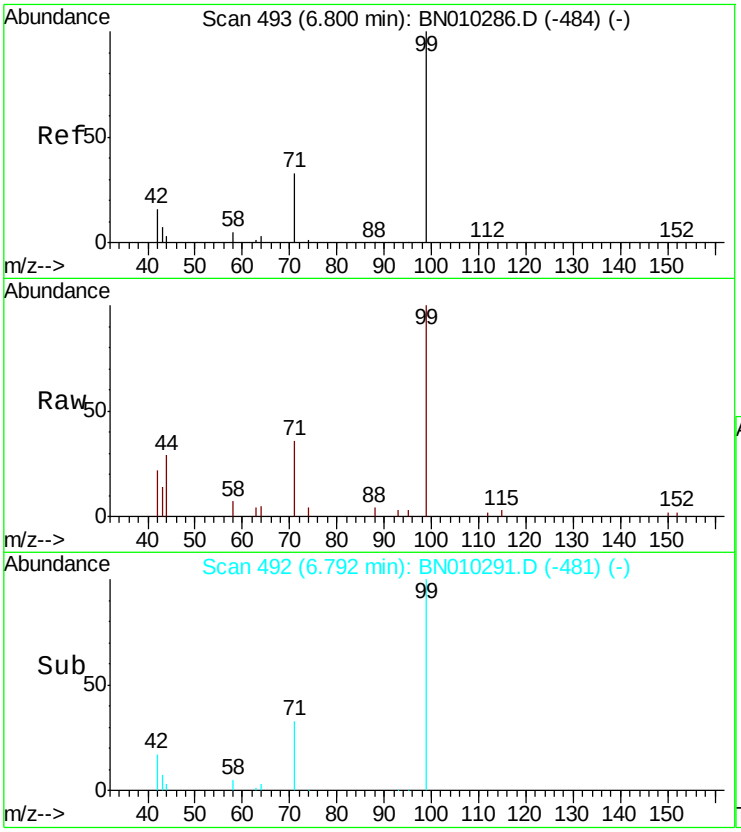


#4
2-Fluorophenol
Concen: 0.398 ng
RT: 5.25 min Scan# 300
Delta R.T. -0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:112 Resp: 3427

Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.4	62.2
63	27.3	22.9	34.3



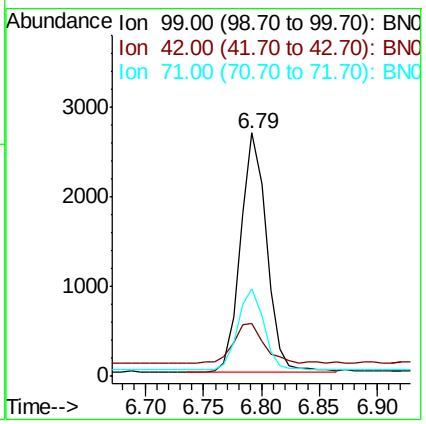


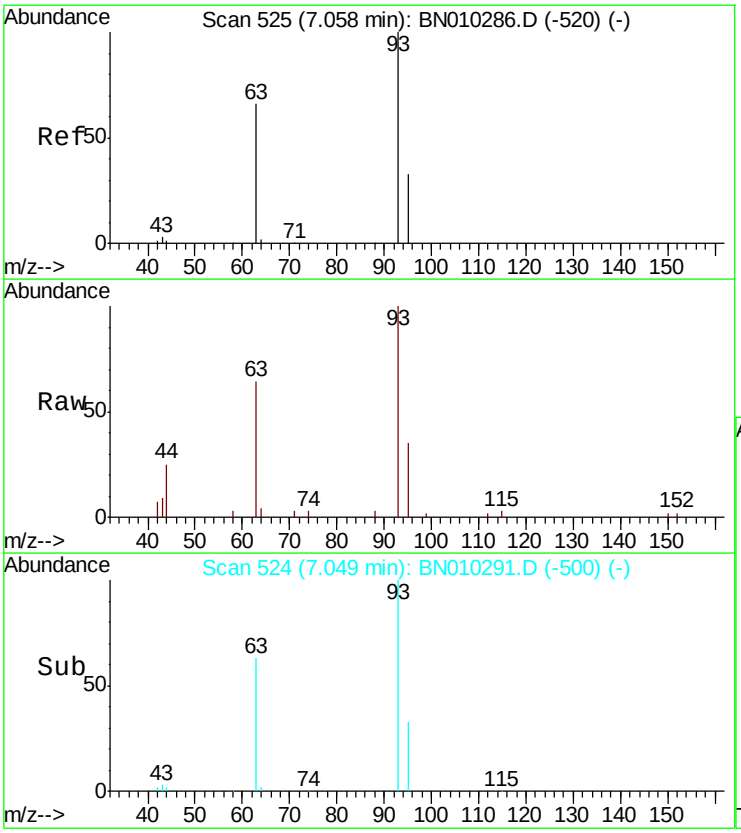
#5
Phenol-d6
Concen: 0.388 ng
RT: 6.79 min Scan# 492
Delta R.T. -0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion: 99 Resp: 4153

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.8	22.2
71	34.6	27.3	40.9

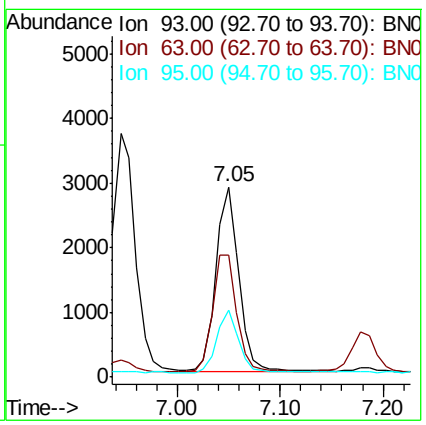


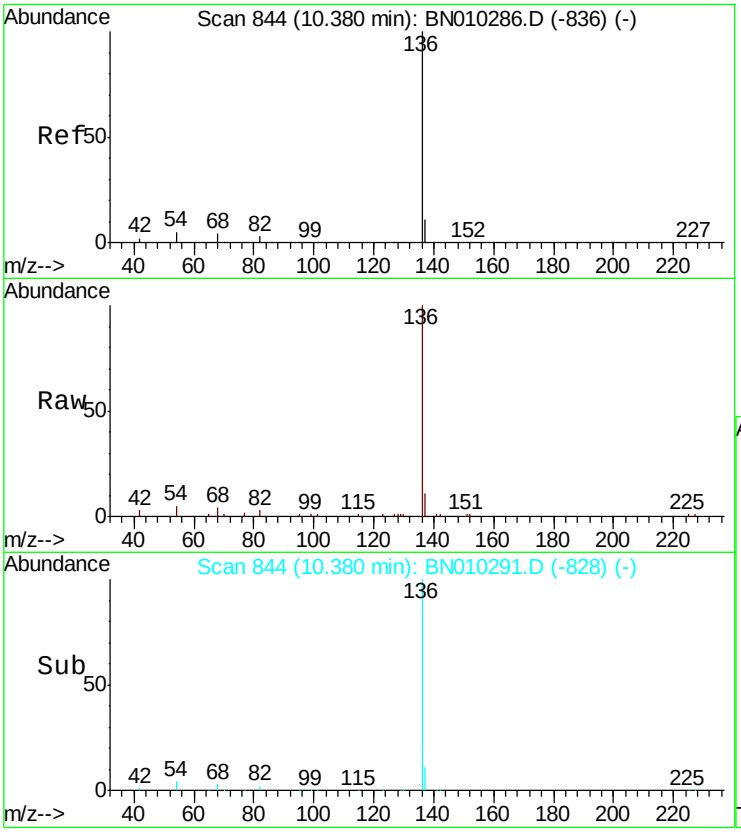


#6
bis(2-Chloroethyl)ether
Concen: 0.426 ng
RT: 7.05 min Scan# 524
Delta R.T. -0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion: 93 Resp: 4382

Ion	Ratio	Lower	Upper
93	100		
63	67.3	55.6	83.4
95	32.5	26.2	39.4



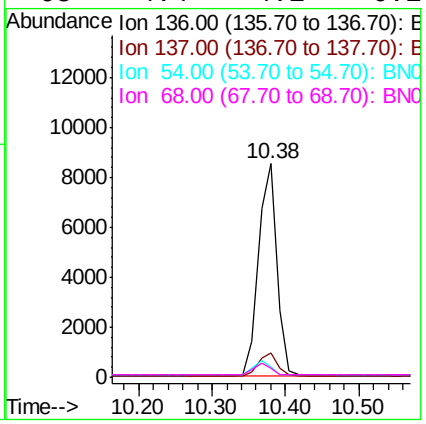


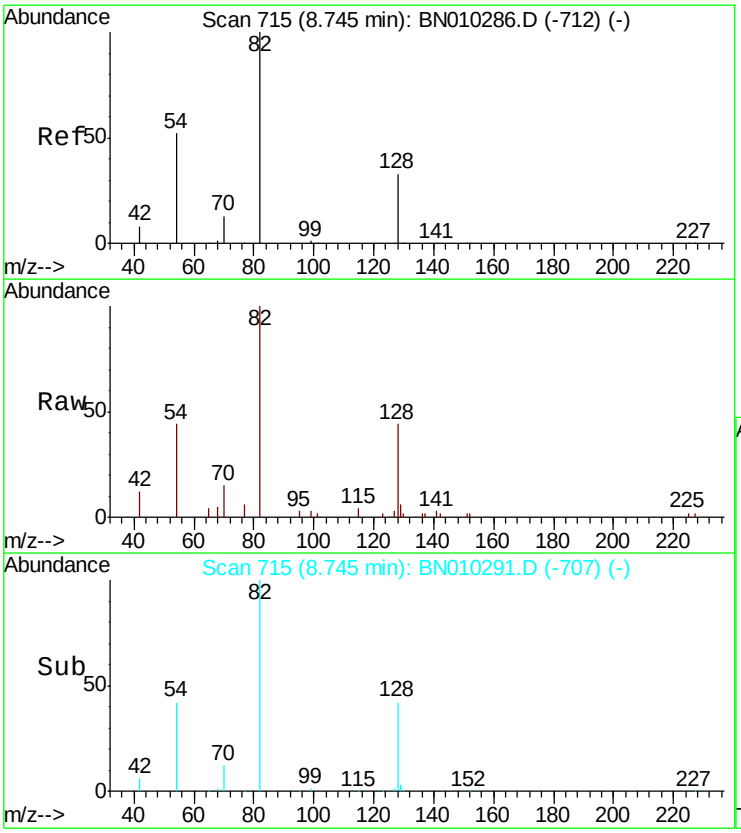
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 844
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:136 Resp: 14873

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	4.7	4.8	7.2#
68	4.4	4.1	6.1

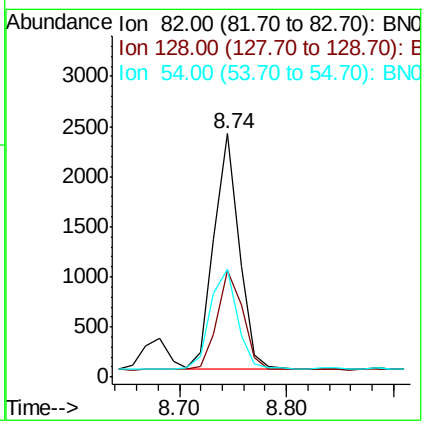


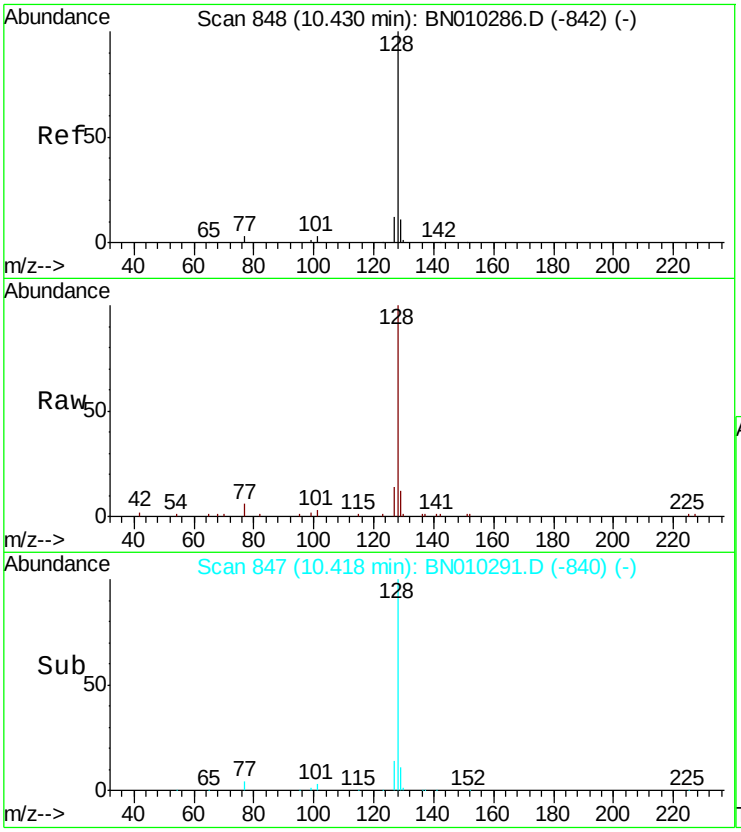


#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.74 min Scan# 715
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion: 82 Resp: 3781

Ion	Ratio	Lower	Upper
82	100		
128	43.8	28.8	43.2#
54	44.3	42.1	63.1



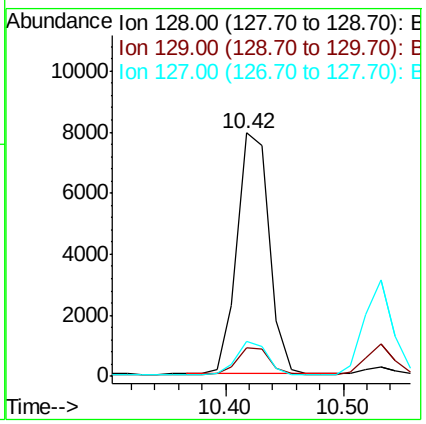


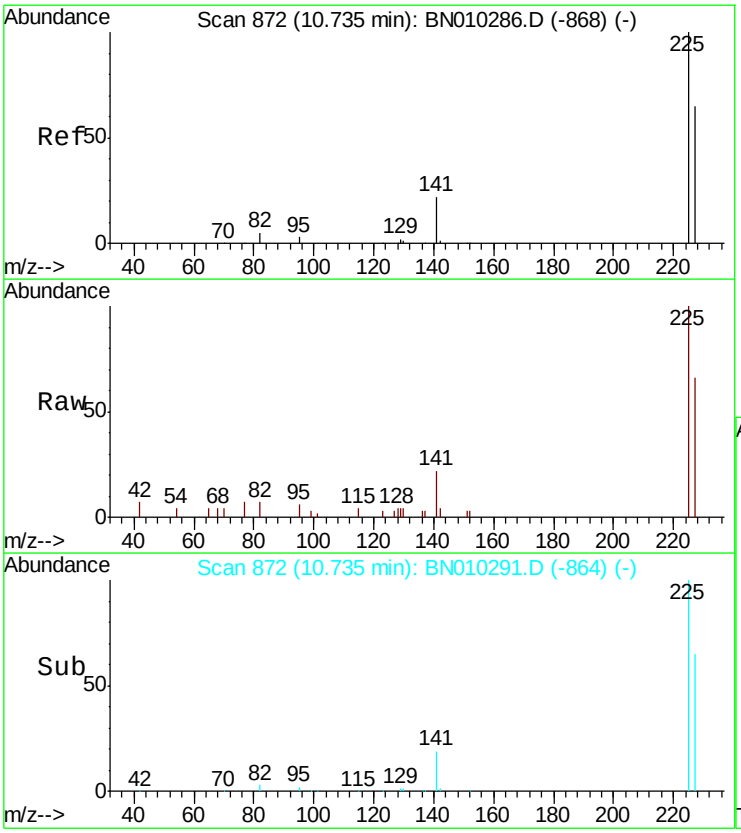
#9
Naphthalene
Concen: 0.403 ng
RT: 10.42 min Scan# 847
Delta R.T. -0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:128 Resp: 14940

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	14.2	10.4	15.6

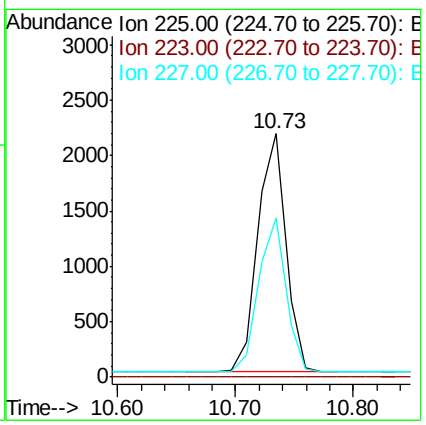


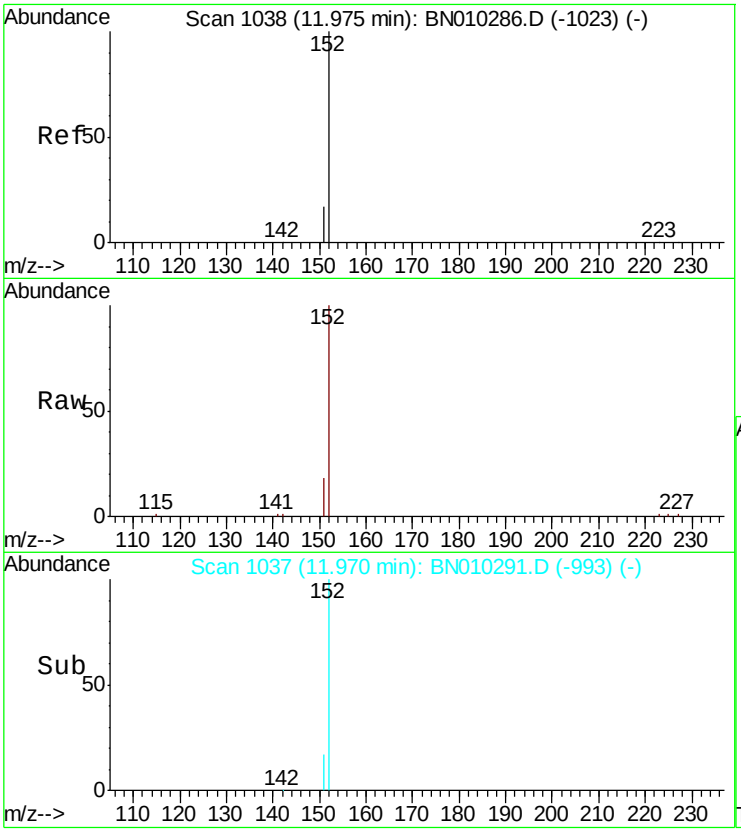


#10
Hexachlorobutadiene
Concen: 0.401 ng
RT: 10.73 min Scan# 872
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:225 Resp: 3602

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.9	77.9



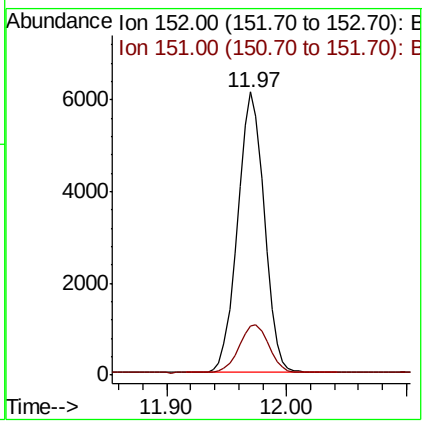


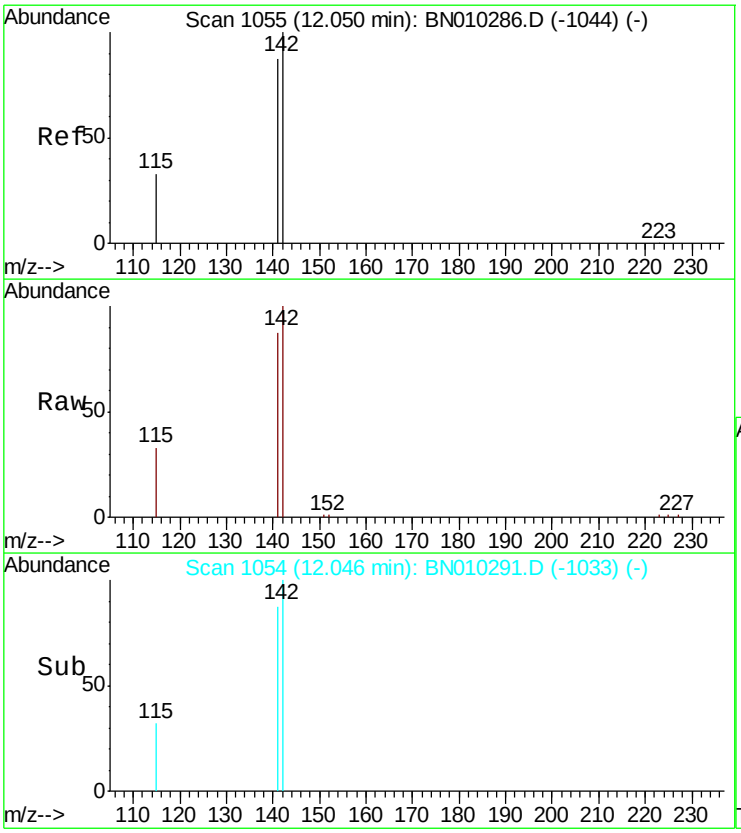
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:152 Resp: 9441

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.2

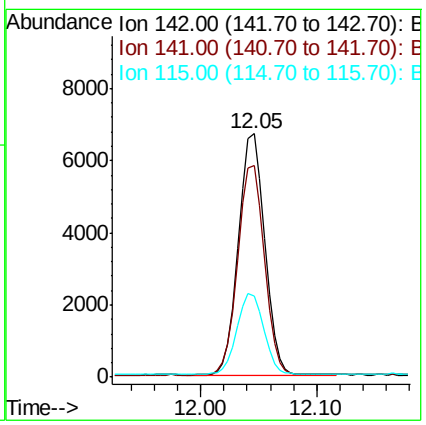


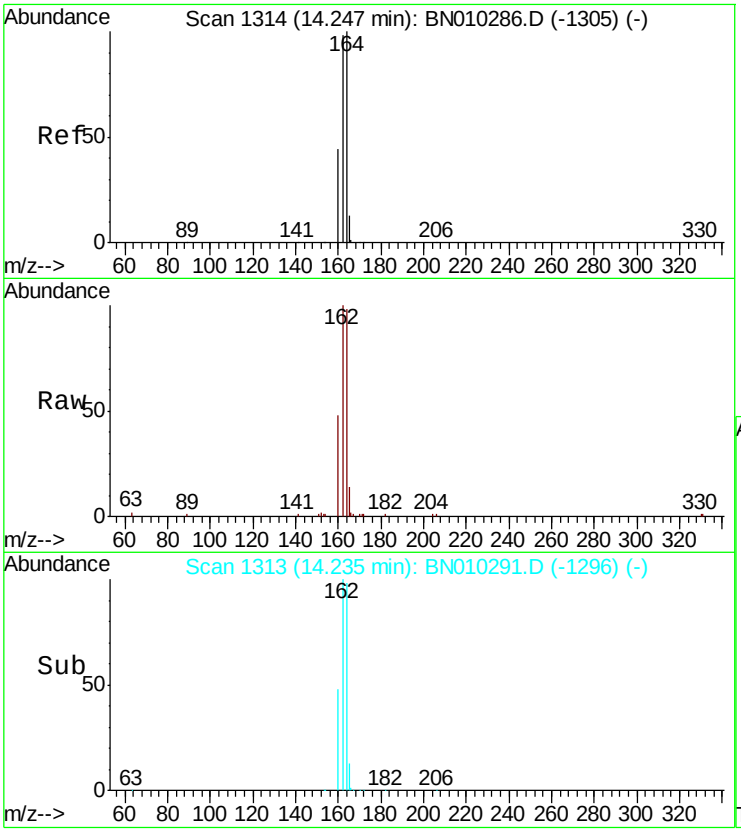


#12
2-Methylnaphthalene
Concen: 0.399 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:142 Resp: 10255

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.5	104.3
115	33.4	27.5	41.3



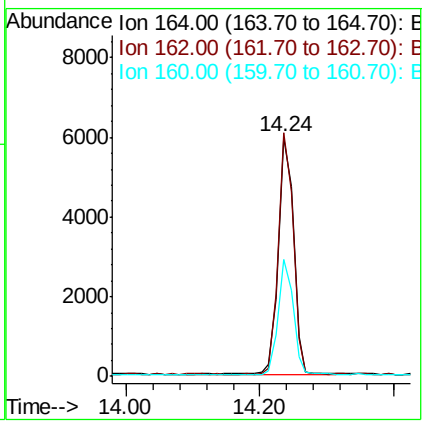


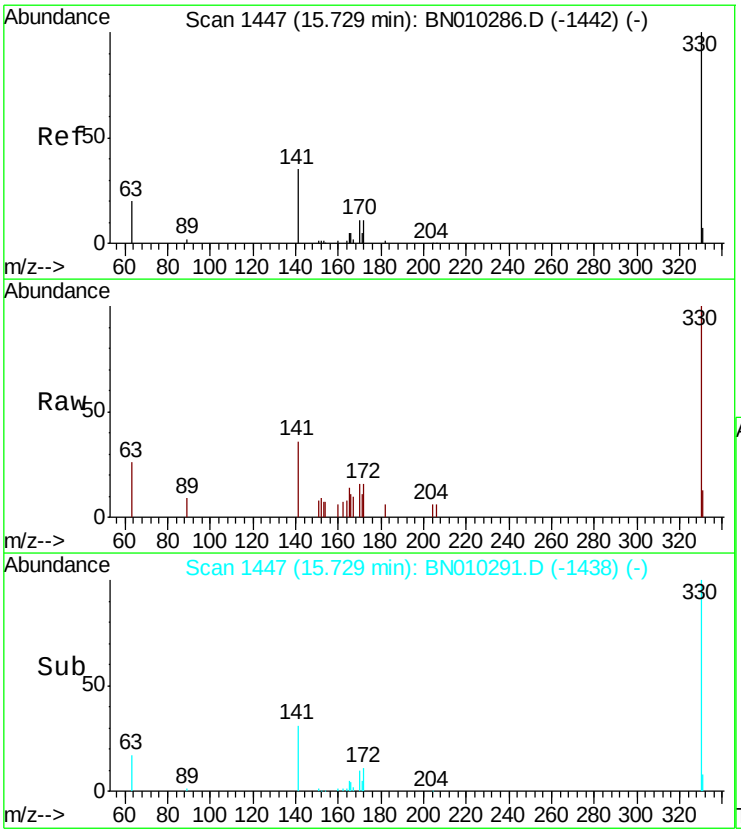
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:164 Resp: 9300

Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.2	117.2
160	49.0	35.8	53.6

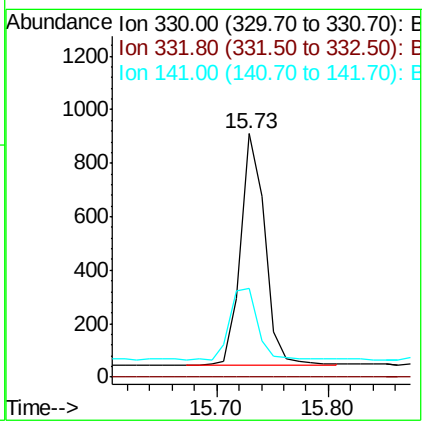


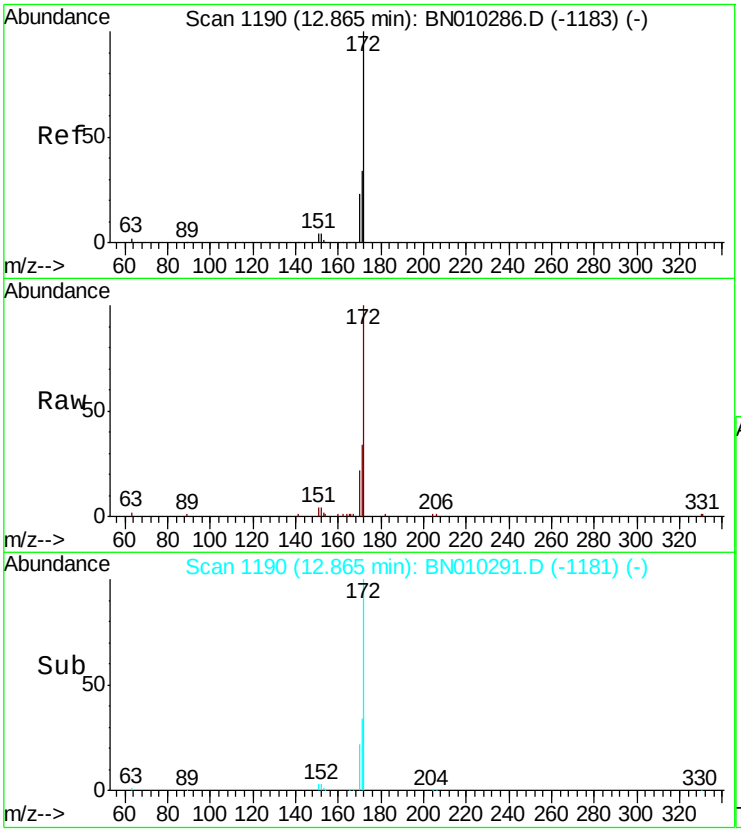


#14
2,4,6-Tribromophenol
Concen: 0.362 ng
RT: 15.73 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:330 Resp: 1295

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.4	29.3	43.9



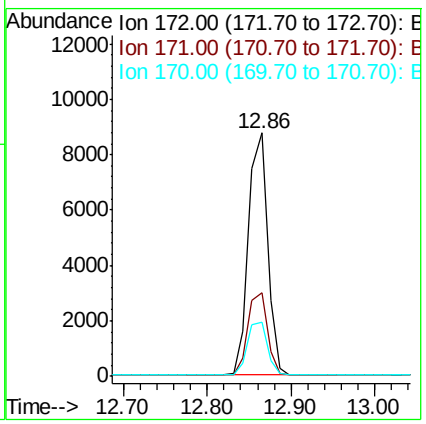


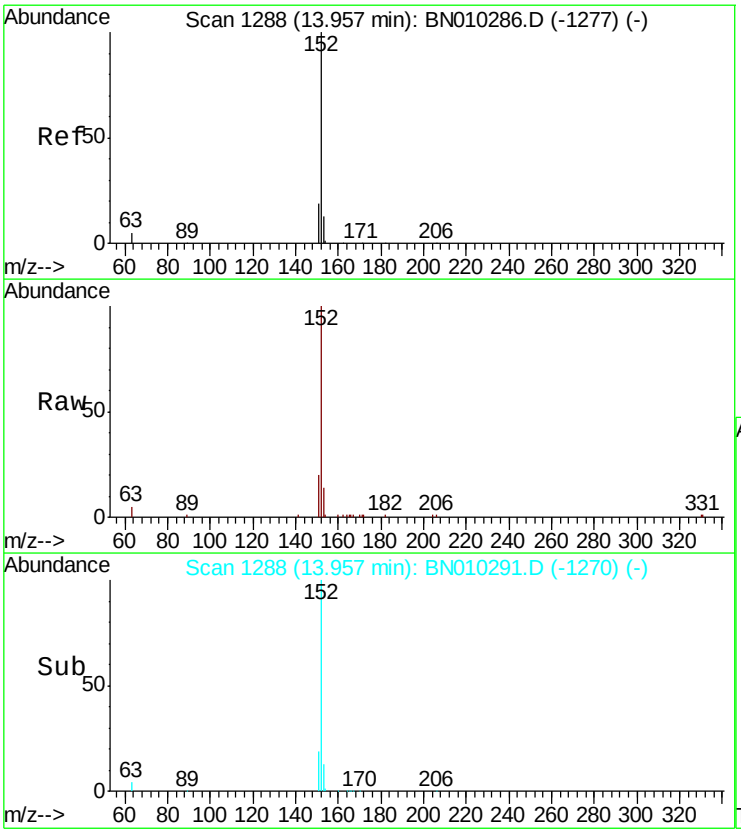
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:172 Resp: 13911

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.6	41.4
170	22.1	18.5	27.7

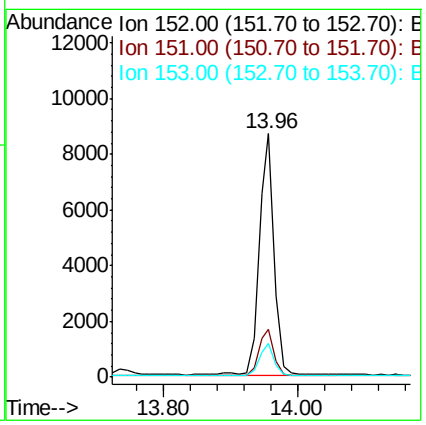


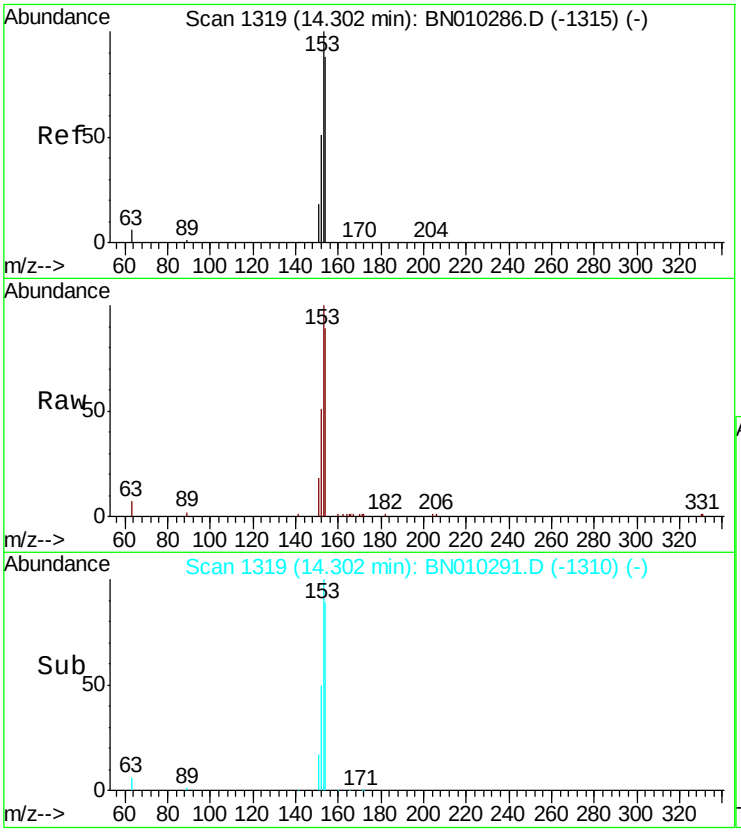


#16
Acenaphthylene
Concen: 0.367 ng
RT: 13.96 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:152 Resp: 13406

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.0	10.6	15.8



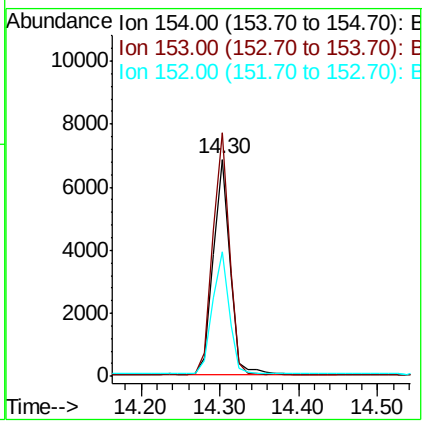


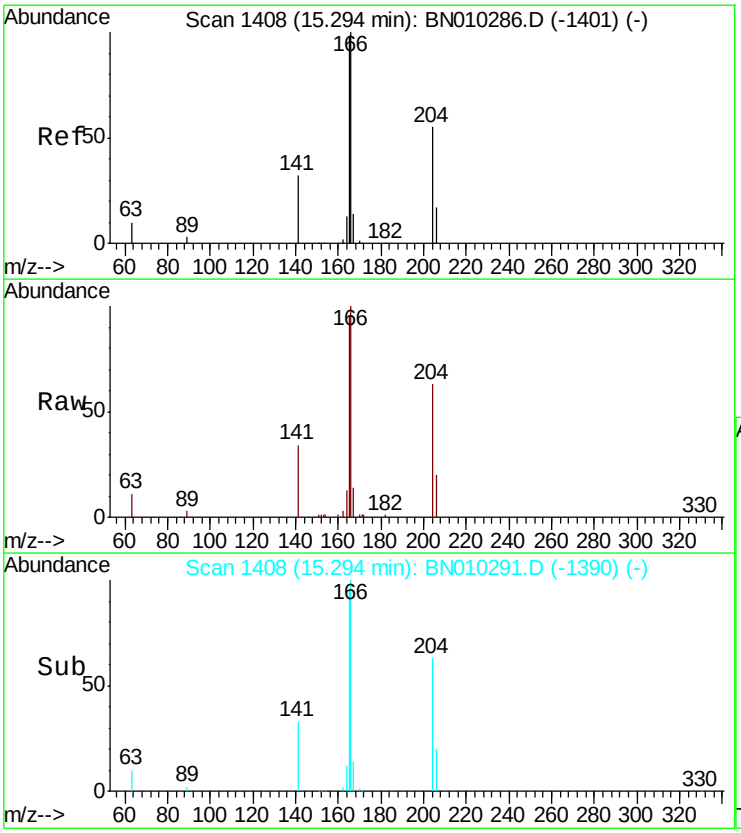
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:154 Resp: 10107

Ion	Ratio	Lower	Upper
154	100		
153	109.9	88.1	132.1
152	56.2	45.5	68.3

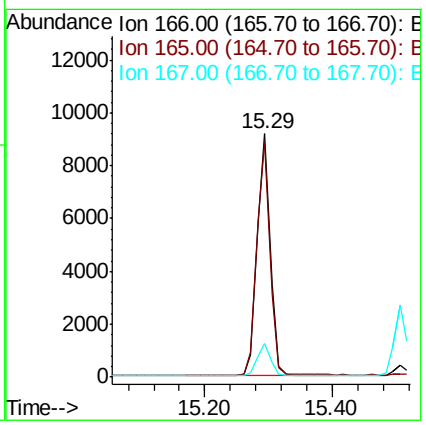


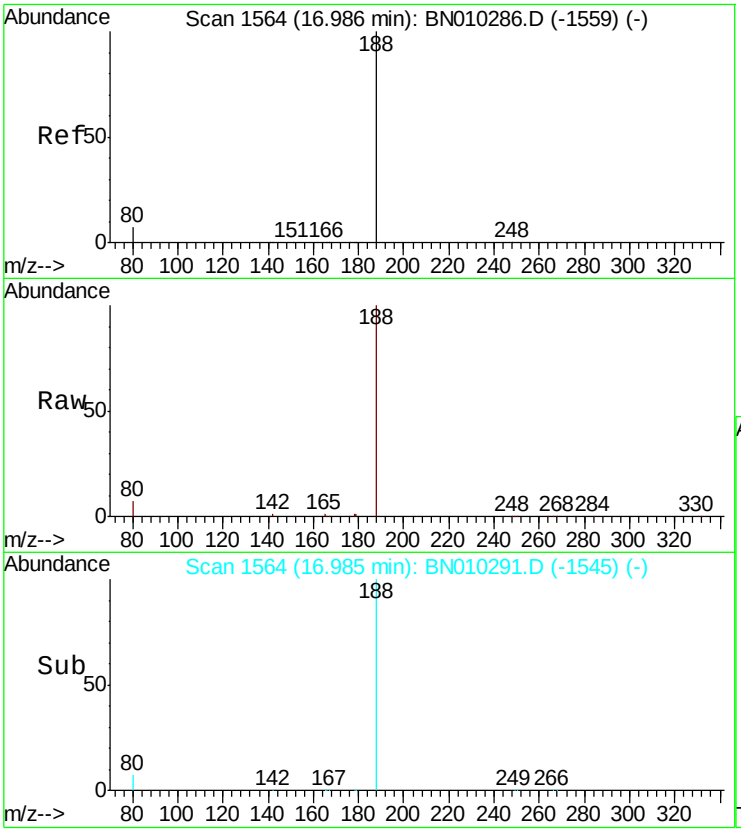


#18
Fluorene
Concen: 0.382 ng
RT: 15.29 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:166 Resp: 13201

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.7	118.1
167	13.3	11.0	16.4



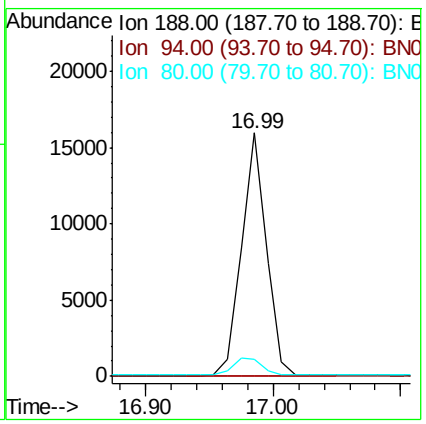


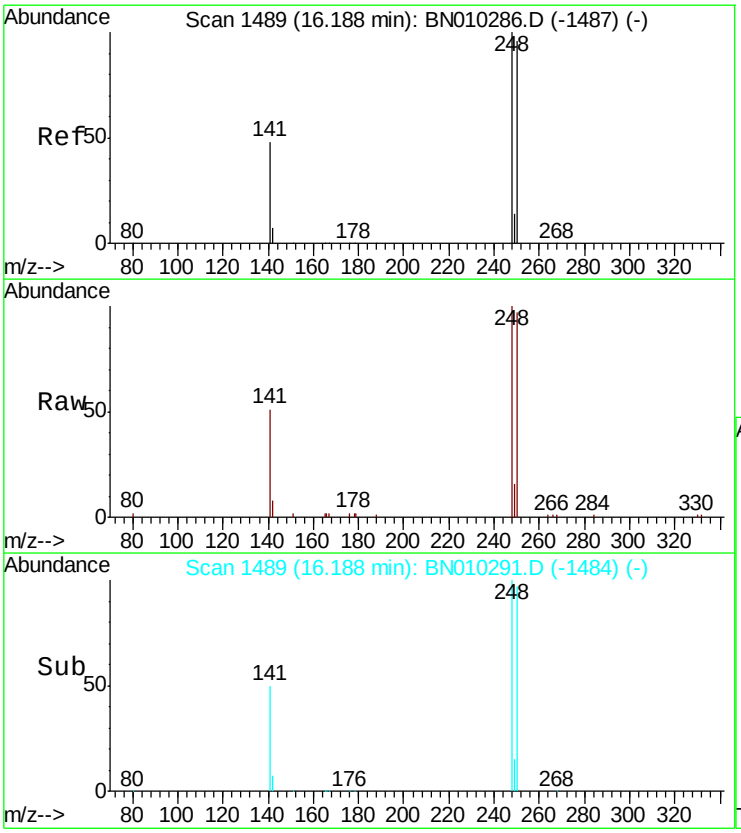
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:188 Resp: 21639

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.1	6.0	9.0

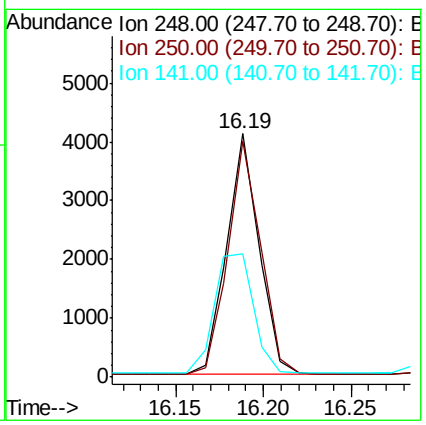


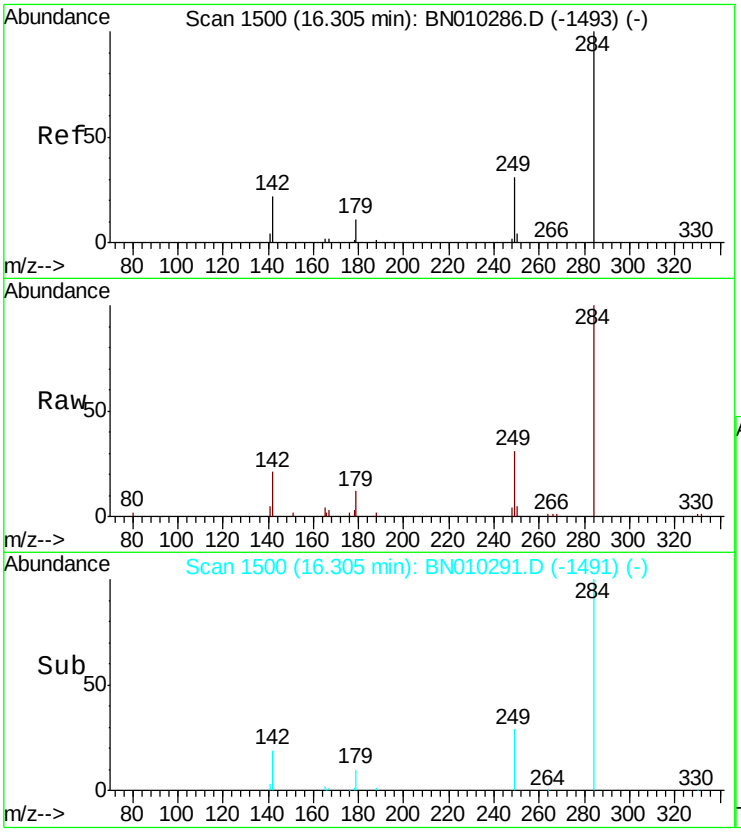


#20
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.19 min Scan# 1489
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:248 Resp: 5191

Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.8	115.2
141	50.9	44.4	66.6



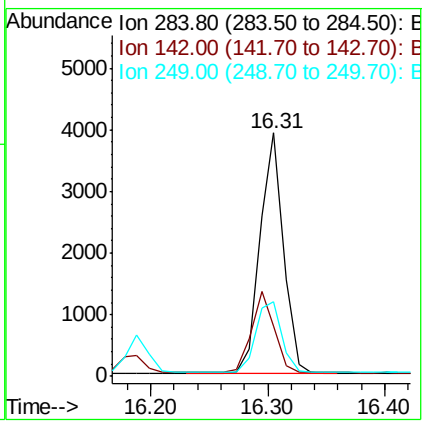


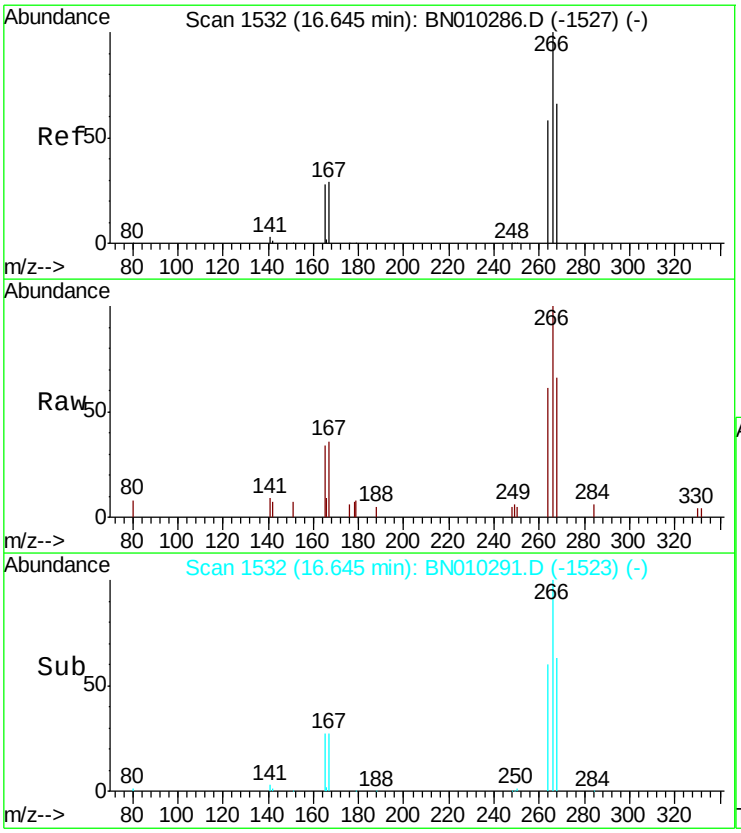
#21
Hexachlorobenzene
Concen: 0.403 ng
RT: 16.31 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:284 Resp: 5430

Ion	Ratio	Lower	Upper
284	100		
142	33.3	27.4	41.2
249	33.0	26.5	39.7

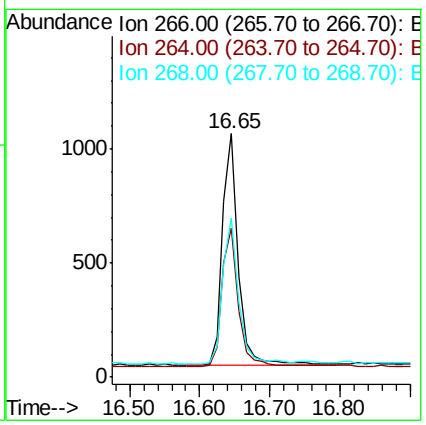


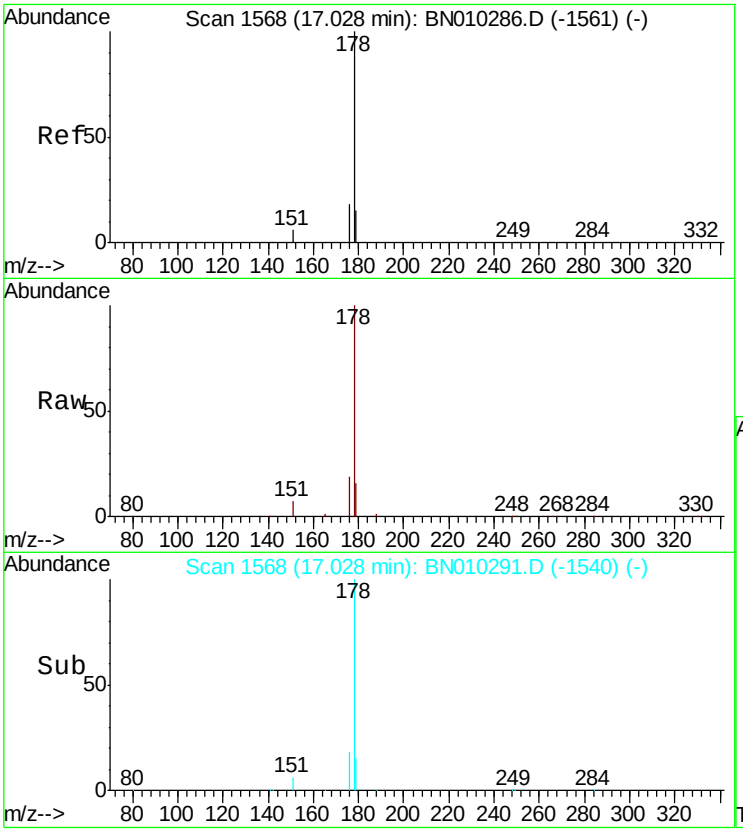


#22
Pentachlorophenol
Concen: 0.347 ng
RT: 16.65 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:266 Resp: 1603

Ion	Ratio	Lower	Upper
266	100		
264	61.1	47.7	71.5
268	65.5	54.9	82.3



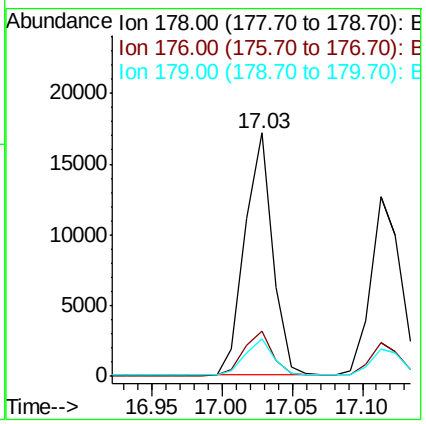


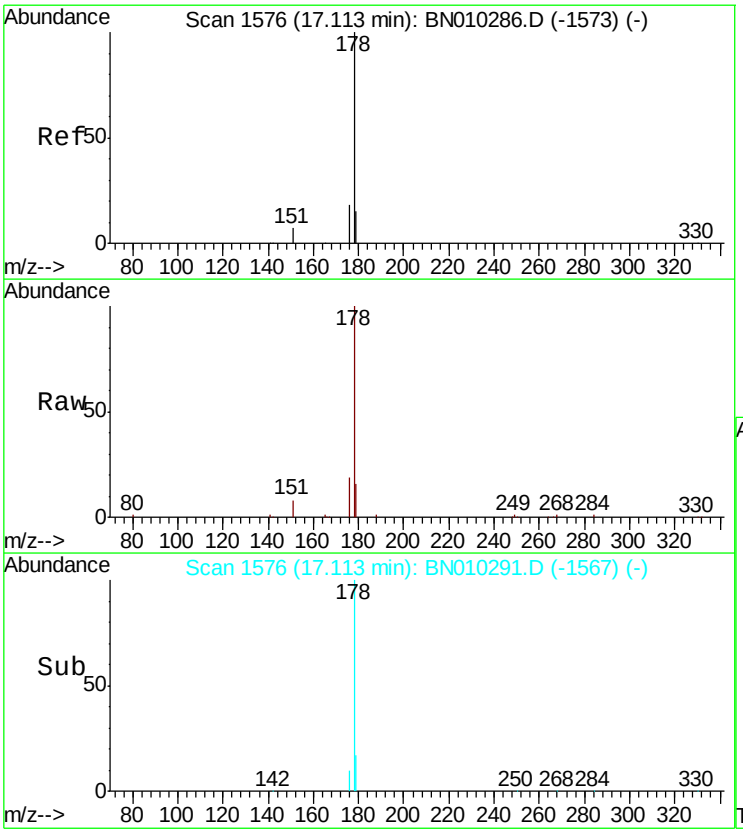
#23
Phenanthrene
Concen: 0.397 ng
RT: 17.03 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:178 Resp: 23601

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	15.4	12.4	18.6

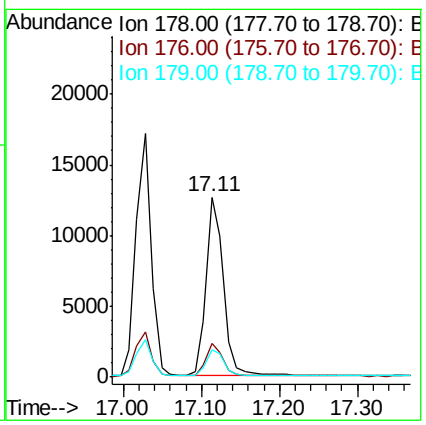


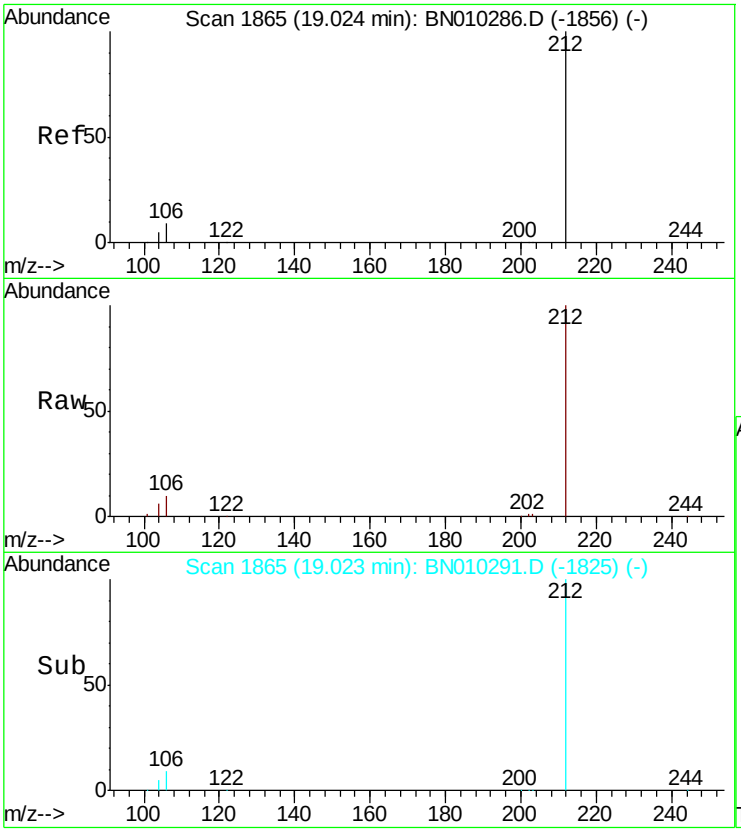


#24
Anthracene
Concen: 0.381 ng
RT: 17.11 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:178 Resp: 19399

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.4	12.3	18.5



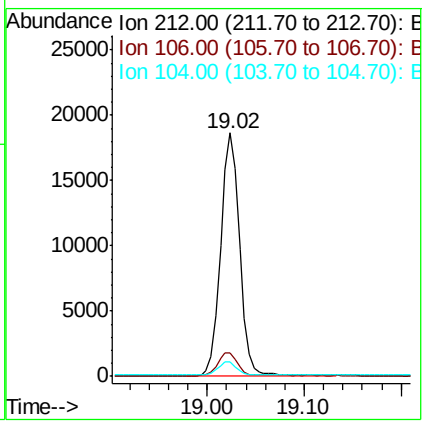


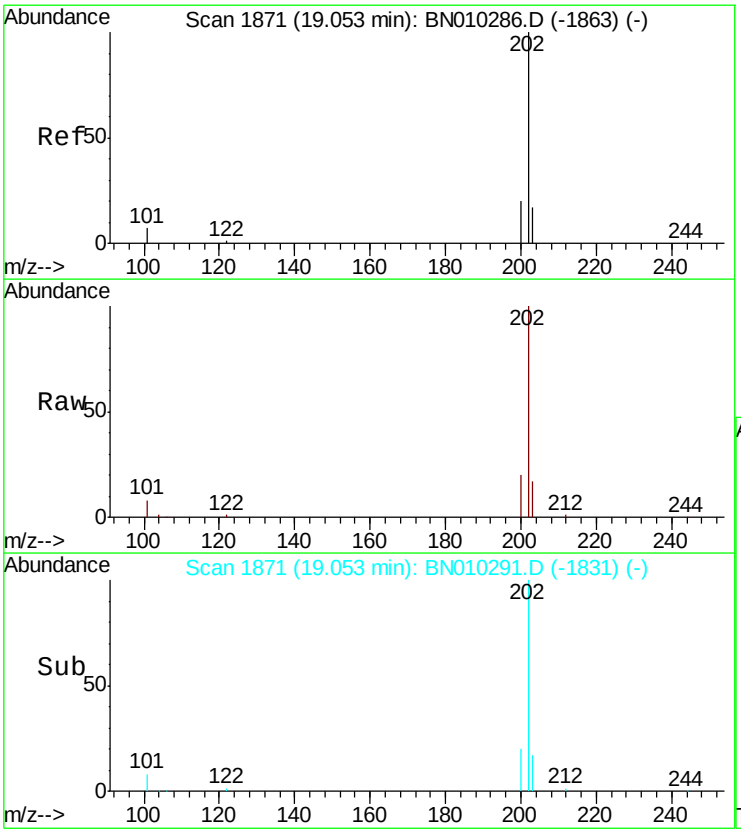
#25
Fluoranthene-d10
Concen: 0.384 ng
RT: 19.02 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:212 Resp: 25090

Ion	Ratio	Lower	Upper
212	100		
106	9.7	7.4	11.2
104	5.4	4.2	6.4

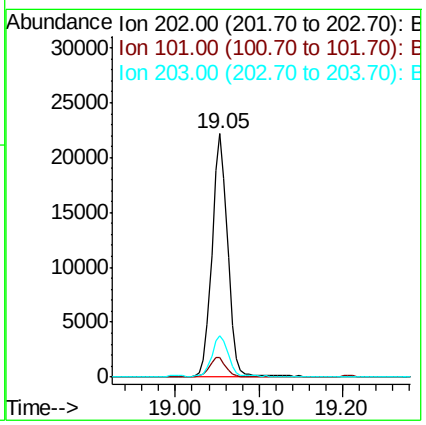


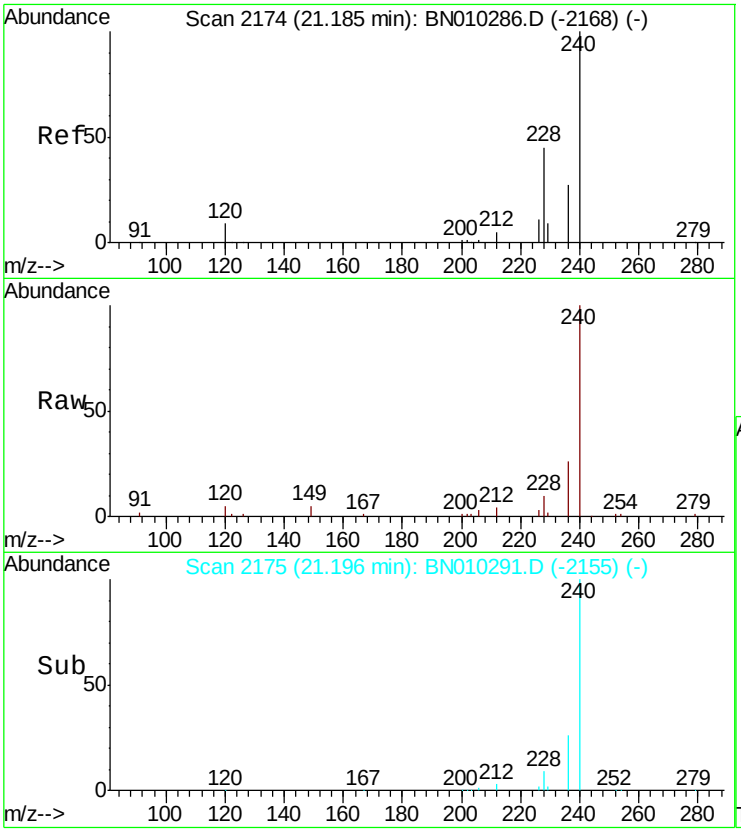


#26
Fluoranthene
Concen: 0.389 ng
RT: 19.05 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:202 Resp: 28376

Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.6	9.8
203	17.1	13.8	20.8



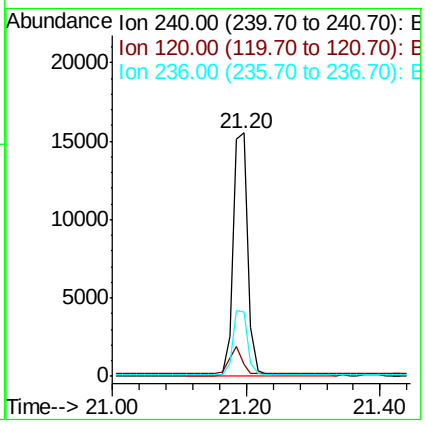


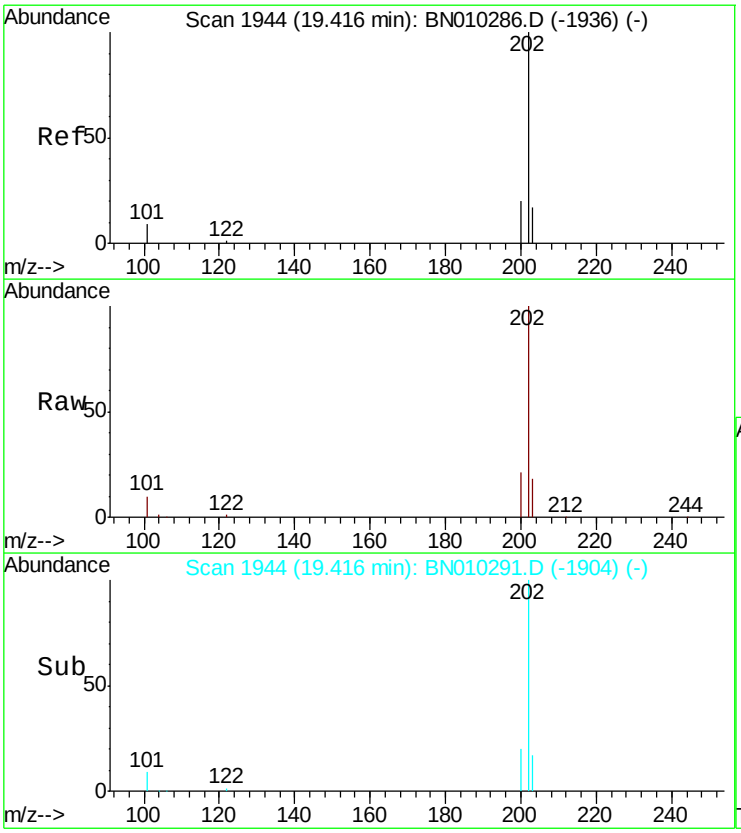
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:240 Resp: 23573

Ion	Ratio	Lower	Upper
240	100		
120	4.7	7.9	11.9#
236	26.4	22.2	33.4

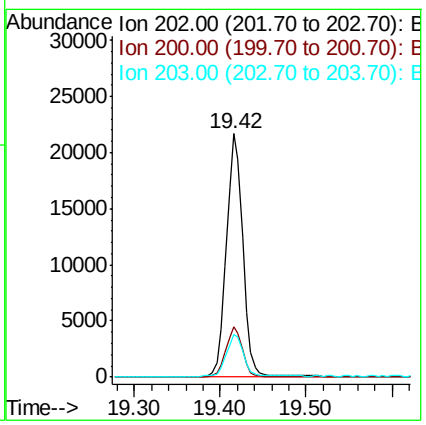


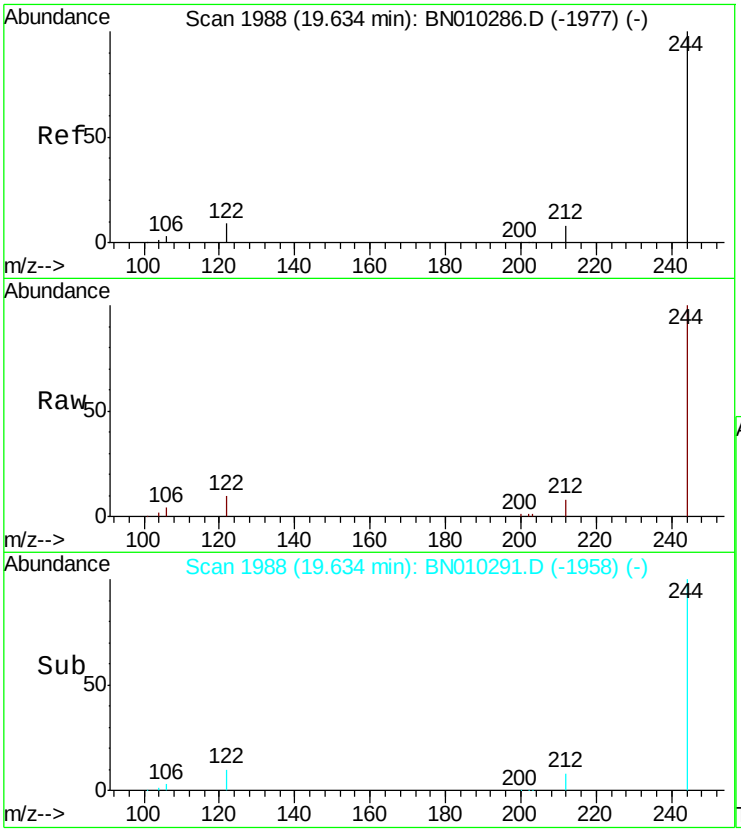


#28
Pyrene
Concen: 0.388 ng
RT: 19.42 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:202 Resp: 28511

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.5	14.2	21.2



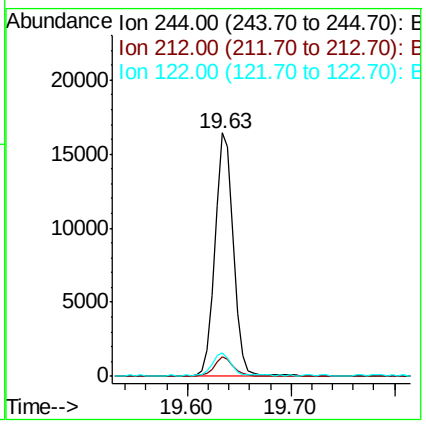


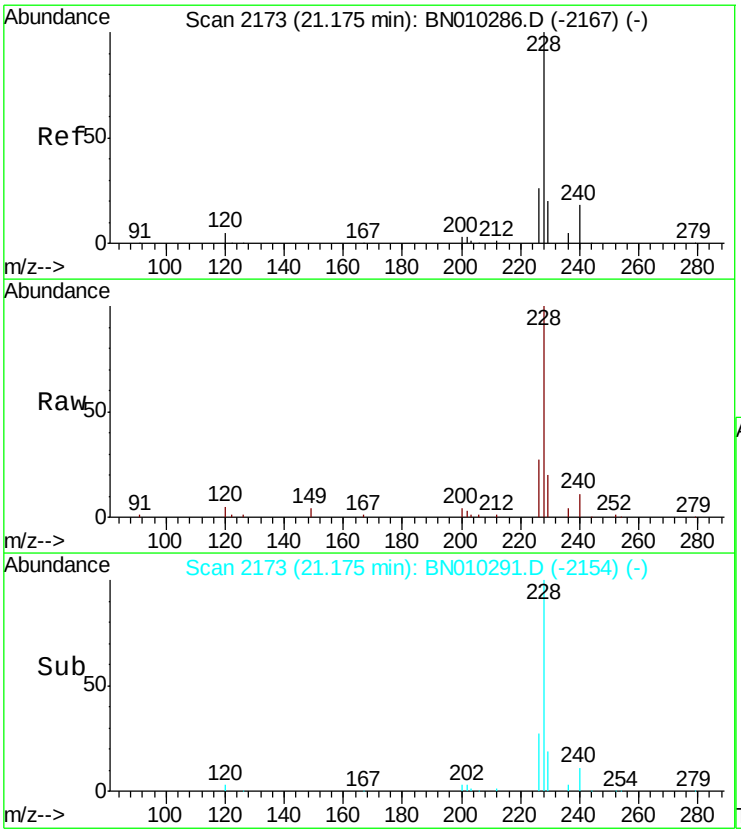
#29
Terphenyl-d14
Concen: 0.391 ng
RT: 19.63 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:244 Resp: 19893

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	9.9	7.6	11.4

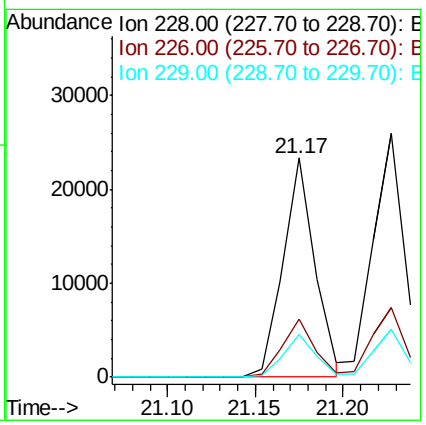


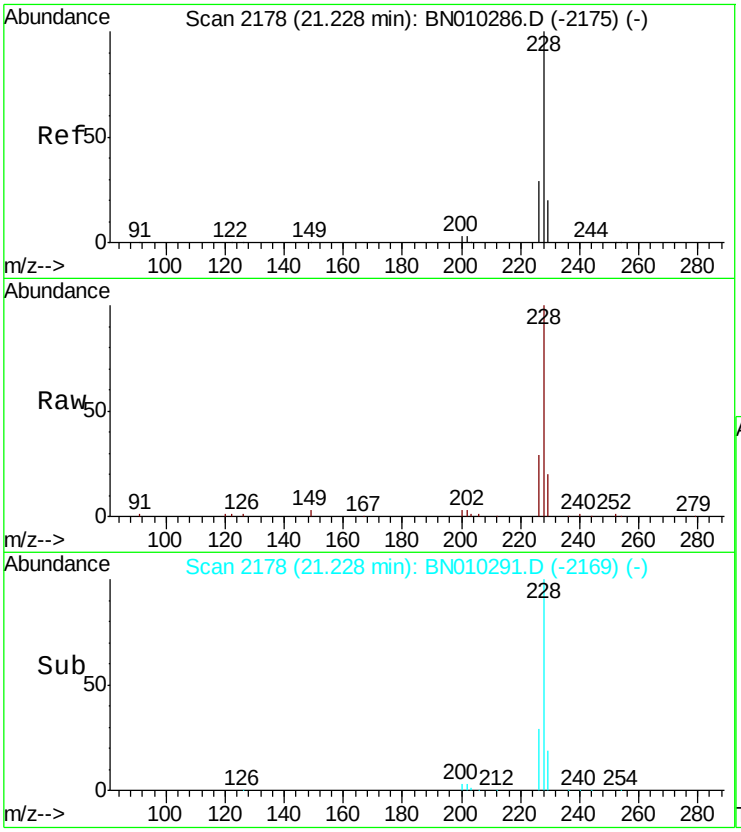


#30
Benzo(a)anthracene
Concen: 0.391 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:228 Resp: 29345

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.4
229	19.6	16.0	24.0



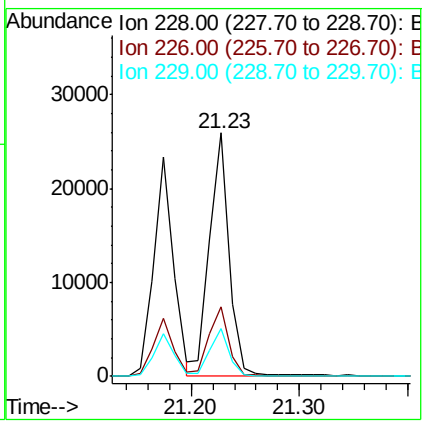


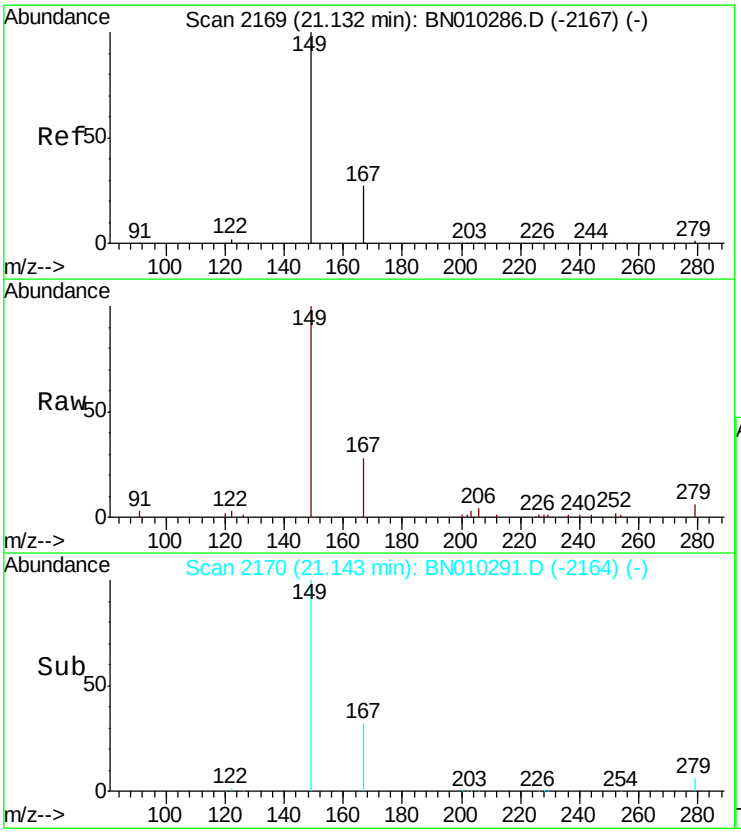
#31
Chrysene
Concen: 0.401 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:228 Resp: 32274

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	19.7	16.0	24.0

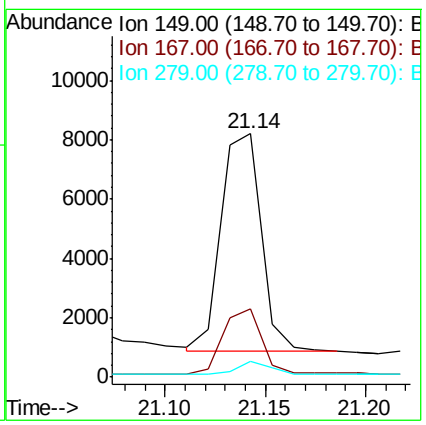


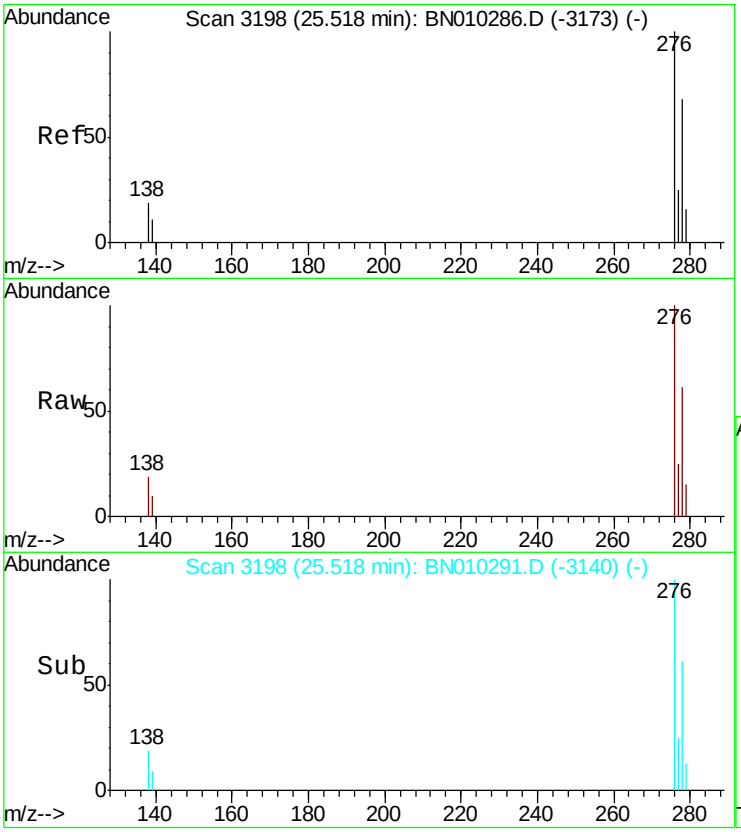


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.406 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:149 Resp: 10285

Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.0	34.6
279	4.9	3.8	5.8



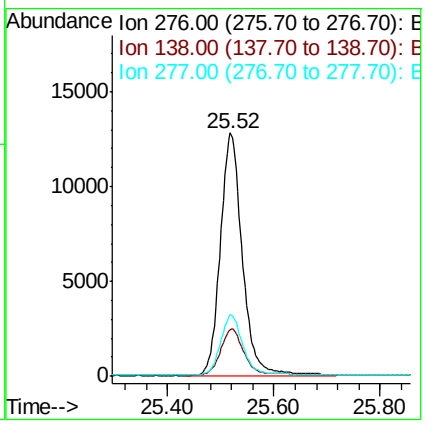


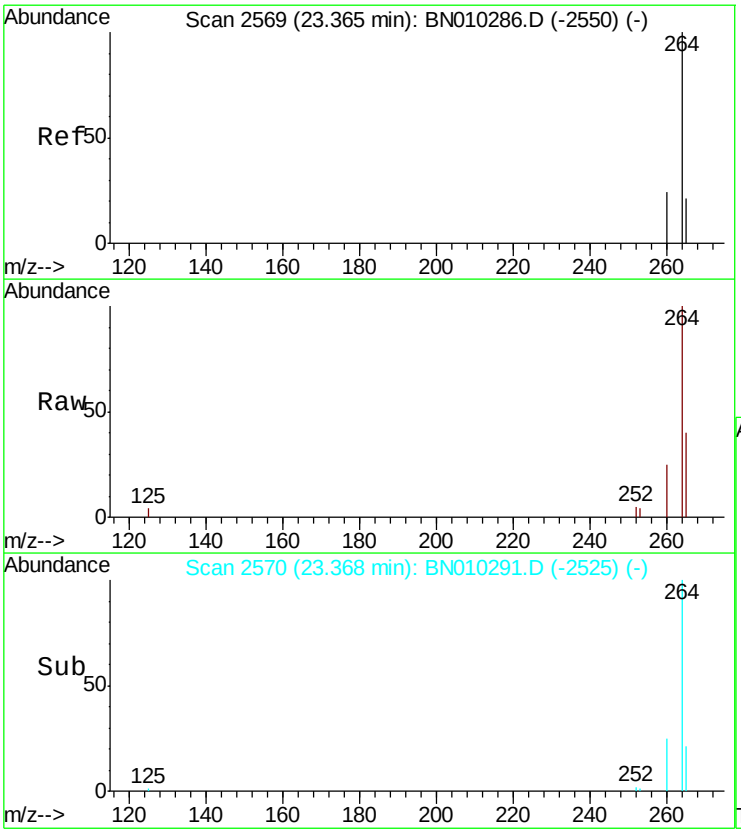
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 25.52 min Scan# 3198
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:276 Resp: 36729

Ion	Ratio	Lower	Upper
276	100		
138	19.3	15.6	23.4
277	25.0	20.1	30.1

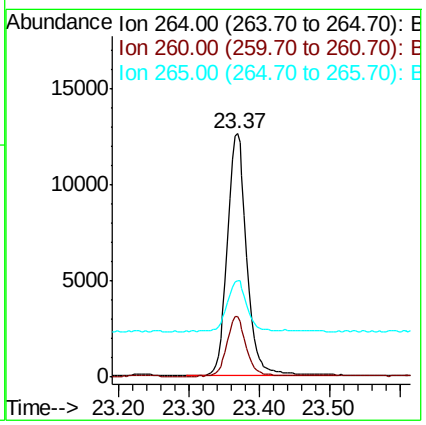


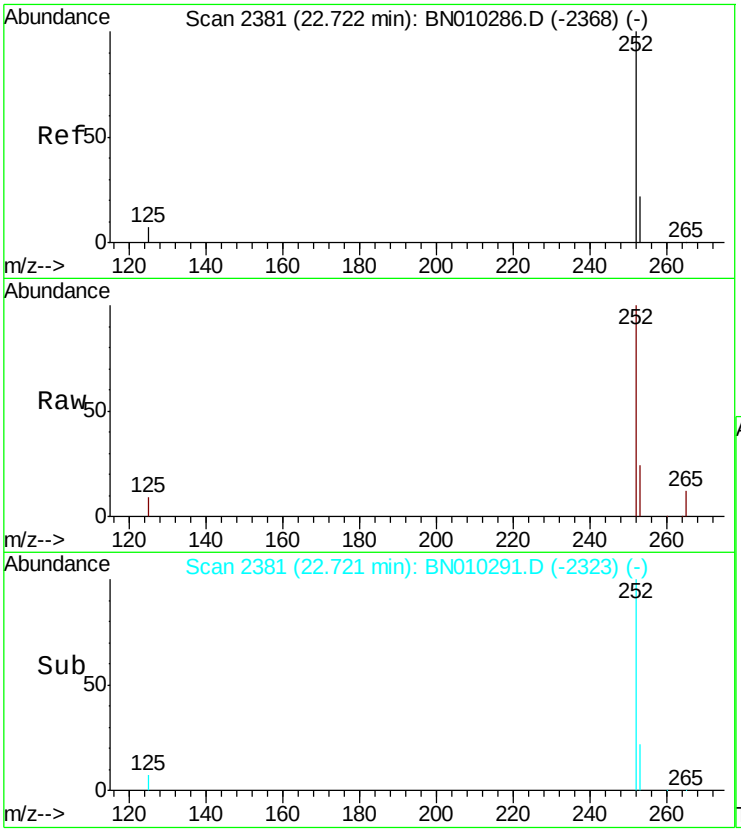


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.37 min Scan# 2570
Delta R.T. 0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:264 Resp: 24257

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	39.9	32.4	48.6



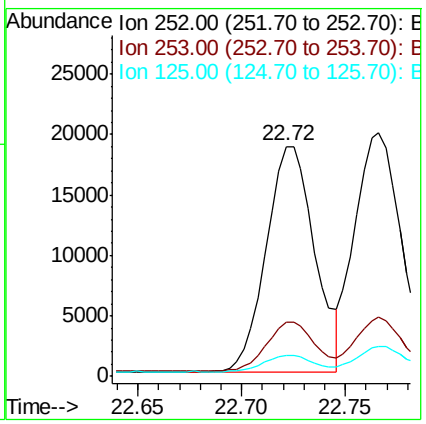


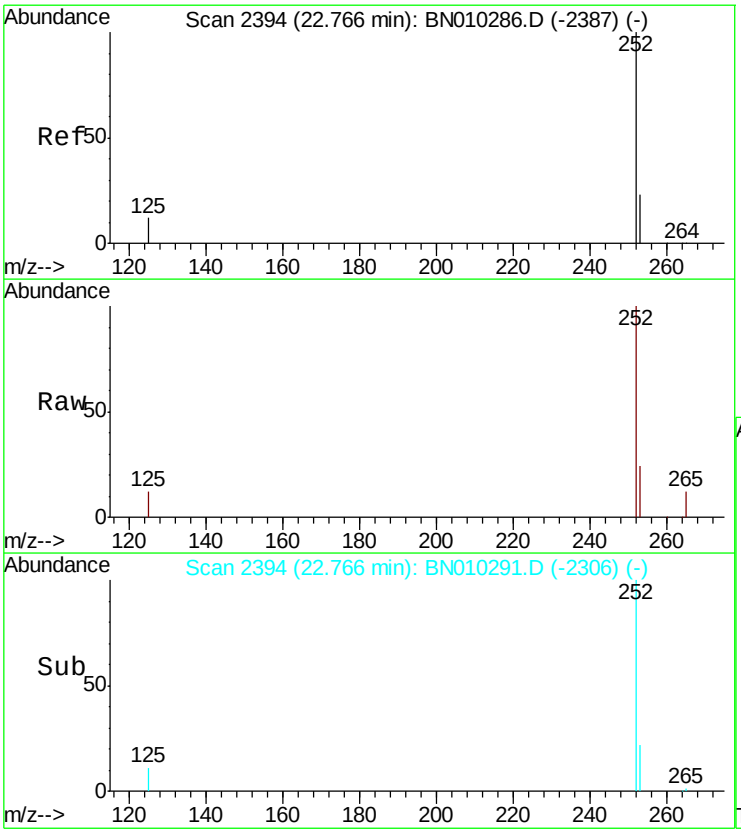
#35
Benzo(b)fluoranthene
Concen: 0.369 ng
RT: 22.72 min Scan# 2381
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:252 Resp: 30424

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.2	28.8
125	9.4	7.4	11.0

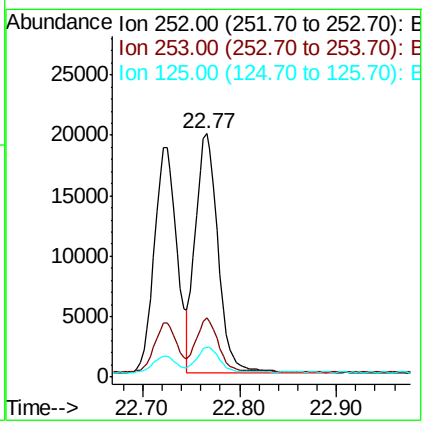


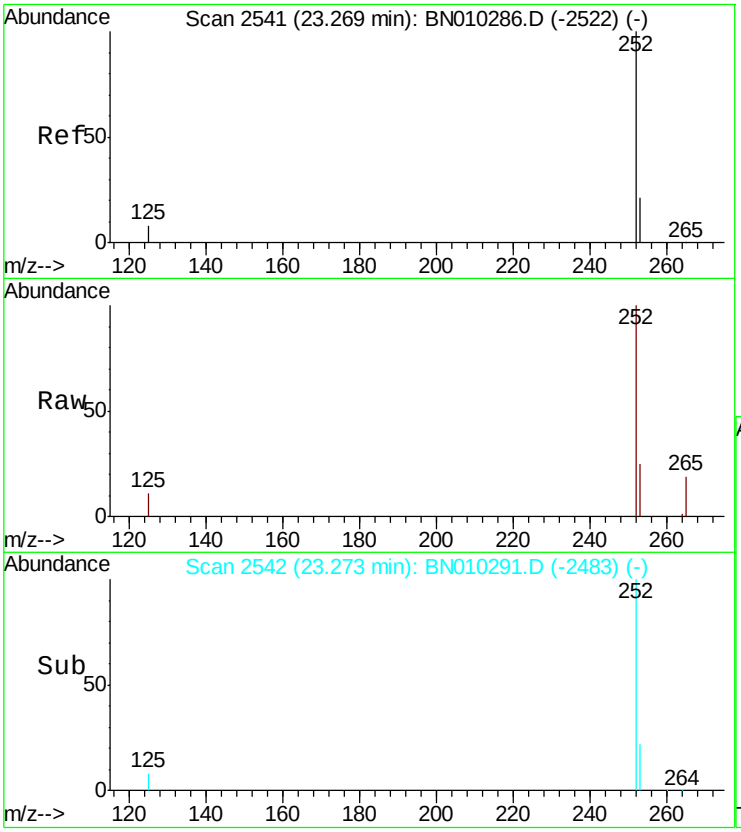


#36
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 22.77 min Scan# 2394
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:252 Resp: 32002

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	12.5	10.2	15.2



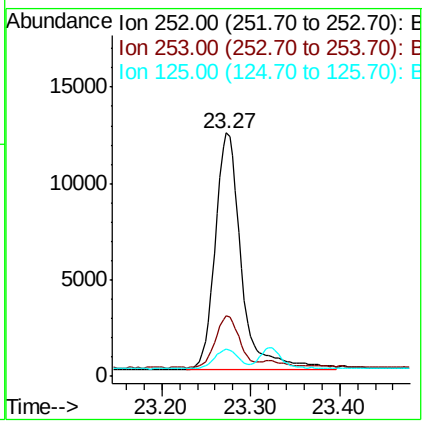


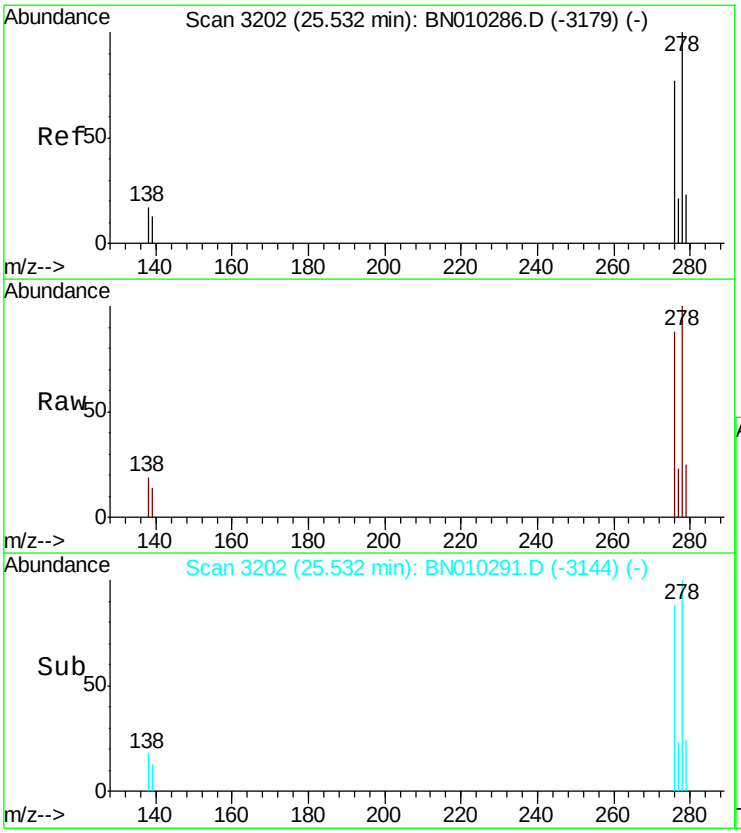
#37
Benzo(a)pyrene
Concen: 0.361 ng
RT: 23.27 min Scan# 2542
Delta R.T. 0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:252 Resp: 25123

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.9	29.9
125	11.0	8.9	13.3

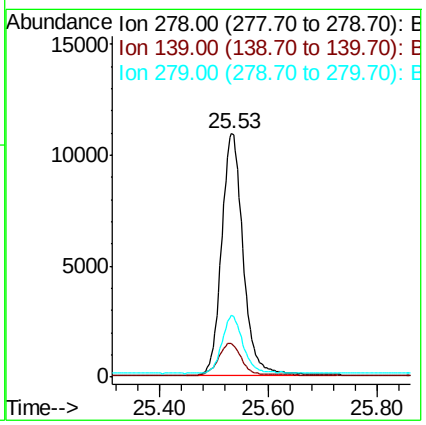


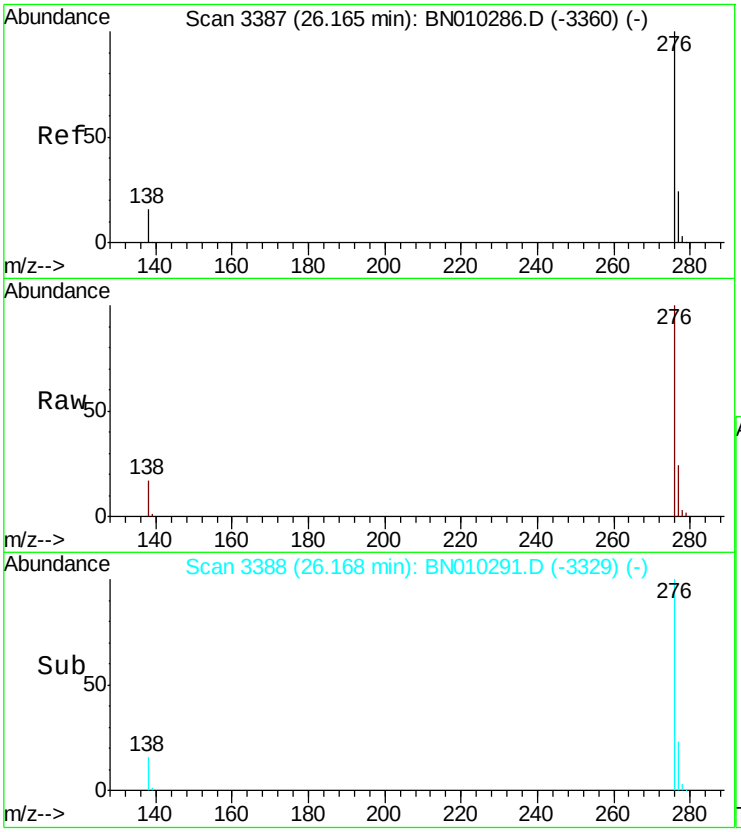


#38
Dibenzo(a,h)anthracene
Concen: 0.401 ng
RT: 25.53 min Scan# 3202
Delta R.T. -0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Tgt Ion:278 Resp: 30114

Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.6	16.0
279	25.3	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.373 ng
RT: 26.17 min Scan# 3388
Delta R.T. 0.00 min
Lab File: BN010291.D
Acq: 19 Mar 2020 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN031920

Tgt Ion:276 Resp: 28256

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.6	29.4
138	16.9	13.3	19.9