Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
Data File : BN010247.D
Acq On : 18 Mar 2020 02:48
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Mar 18 04:32:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 02:17:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4148	0.40	ng		0.00
7) Naphthalene-d8	10.39	136	14888	0.40	ng		0.00
13) Acenaphthene-d10	14.25	164	9116	0.40	ng		-0.01
19) Phenanthrene-d10	16.99	188	21752	0.40	ng		-0.01
27) Chrysene-d12	21.19	240	21839	0.40	ng		-0.01
34) Perylene-d12	23.35	264	25331	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.26	112	3275	0.34	ng		0.00
5) Phenol-d6	6.81	99	4370	0.36	ng		0.00
8) Nitrobenzene-d5	8.76	82	3596	0.40	ng		-0.01
11) 2-Methylnaphthalene-d10	11.98	152	9360	0.38	ng		-0.01
14) 2,4,6-Tribromophenol	15.74	330	1262	0.39	ng		-0.01
15) 2-Fluorobiphenyl	12.86	172	14306	0.44	ng		-0.01
25) Fluoranthene-d10	19.02	212	24481	0.36	ng		0.00
29) Terphenyl-d14	19.63	244	19821	0.40	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	1534	0.379	ng	#	56
3) n-Nitrosodimethylamine	3.57	42	1195	0.333	ng	#	31
6) bis(2-Chloroethyl)ether	7.07	93	4062	0.400	ng		96
9) Naphthalene	10.43	128	14964	0.401	ng		97
10) Hexachlorobutadiene	10.75	225	3659	0.426	ng	#	96
12) 2-Methylnaphthalene	12.05	142	10399	0.388	ng		95
16) Acenaphthylene	13.96	152	14045	0.334	ng		100
17) Acenaphthene	14.30	154	10314	0.404	ng		98
18) Fluorene	15.29	166	13601	0.391	ng		99
20) 4-Bromophenyl-phenylether	16.19	248	5117	0.410	ng	#	80
21) Hexachlorobenzene	16.31	284	5586	0.458	ng		97
22) Pentachlorophenol	16.65	266	1415	0.376	ng		90
23) Phenanthrene	17.03	178	23597	0.409	ng		100
24) Anthracene	17.12	178	19540	0.340	ng		99
26) Fluoranthene	19.05	202	28291	0.387	ng		99
28) Pyrene	19.42	202	28090	0.385	ng		100
30) Benzo(a)anthracene	21.16	228	26477	0.357	ng		98
31) Chrysene	21.22	228	29565	0.404	ng		99
32) Bis(2-ethylhexyl)phthalate	21.13	149	6604	0.209	ng	#	96
33) Indeno(1,2,3-cd)pyrene	25.50	276	35598	0.410	ng		99
35) Benzo(b)fluoranthene	22.71	252	29209	0.375	ng		99
36) Benzo(k)fluoranthene	22.76	252	31064	0.395	ng		99
37) Benzo(a)pyrene	23.26	252	23474	0.319	ng		99
38) Dibenzo(a,h)anthracene	25.52	278	29920	0.406	ng		100
39) Benzo(g,h,i)perylene	26.15	276	28338	0.385	ng		97

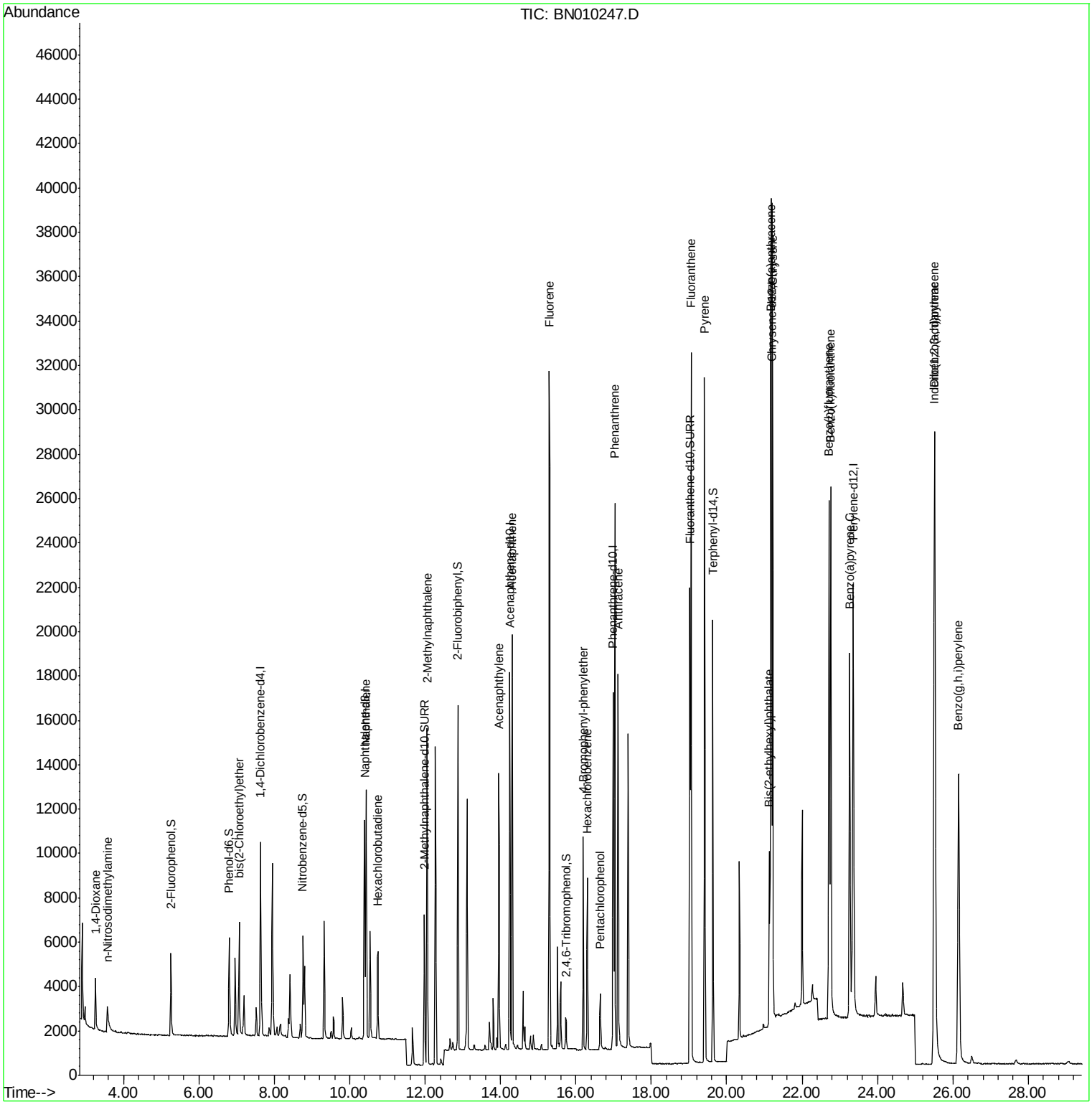
(#) = qualifier out of range (m) = manual integration (+) = signals summed

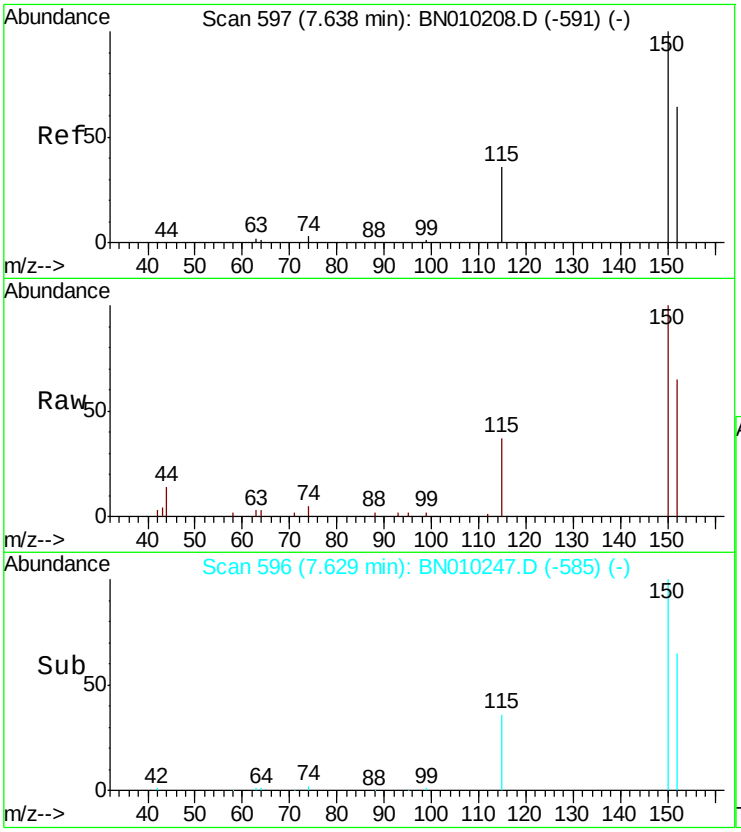
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
Data File : BN010247.D
Acq On : 18 Mar 2020 02:48
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 18 04:32:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 02:17:23 2020
Response via : Initial Calibration



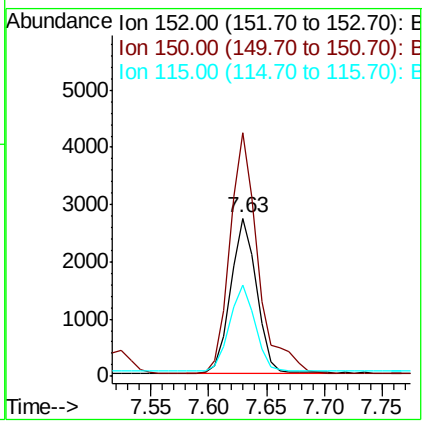


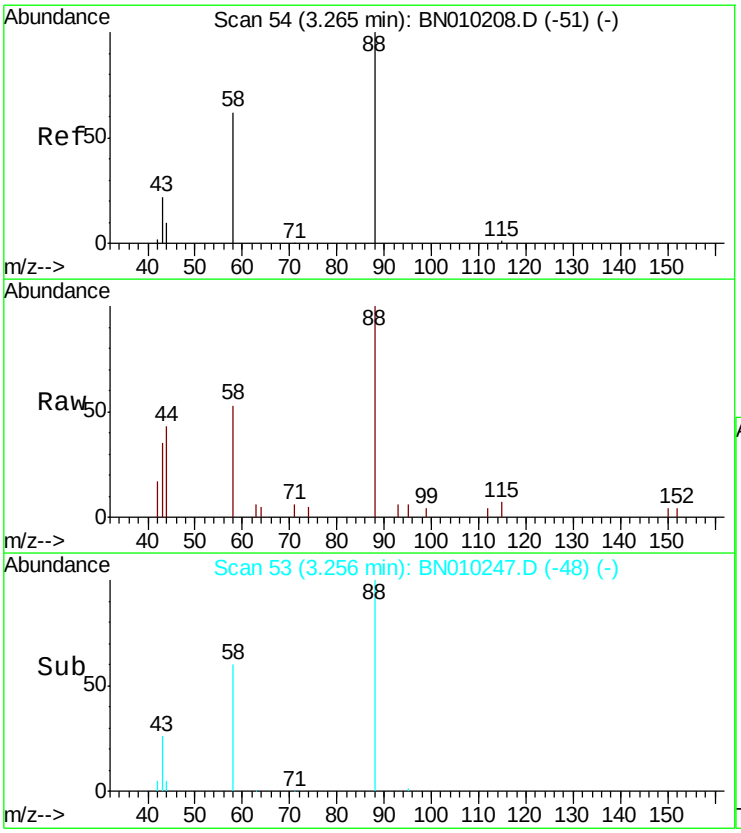
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 596
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4148

Ion	Ratio	Lower	Upper
152	100		
150	154.2	119.5	179.3
115	57.8	50.9	76.3

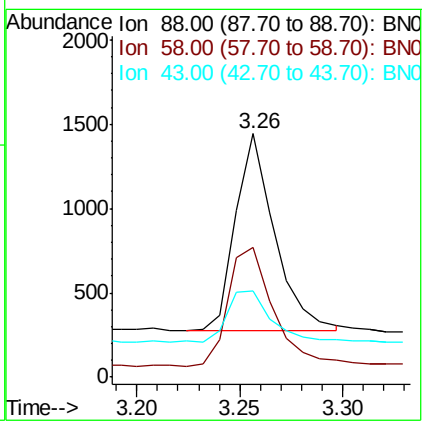


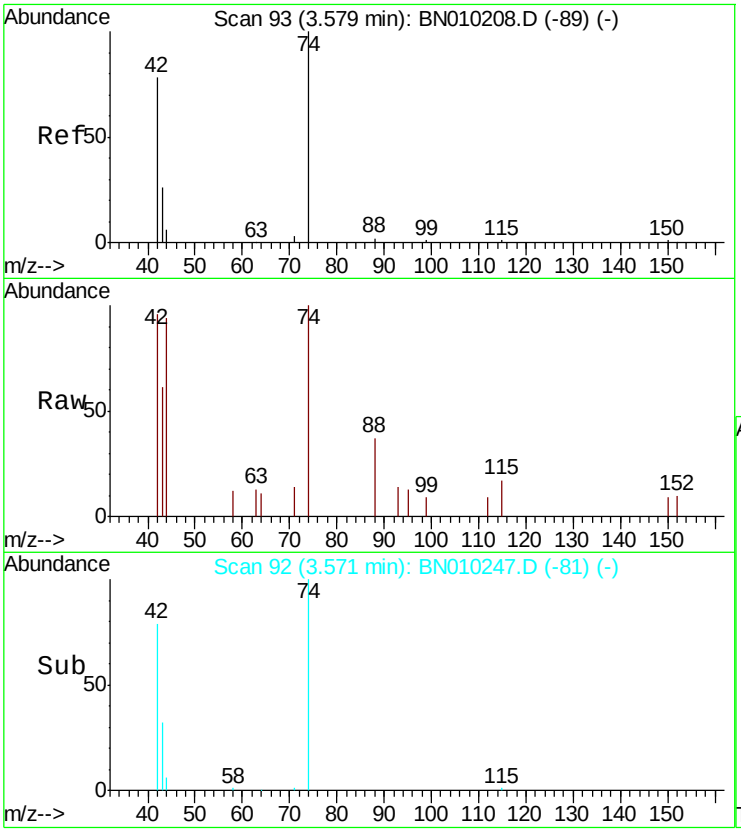


#2
1,4-Dioxane
Concen: 0.379 ng
RT: 3.26 min Scan# 53
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion: 88 Resp: 1534

Ion	Ratio	Lower	Upper
88	100		
58	69.8	97.8	146.8#
43	28.5	45.1	67.7#



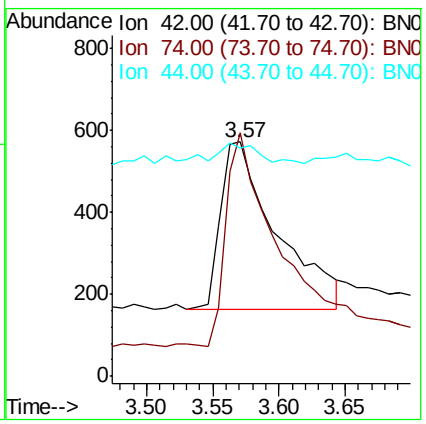


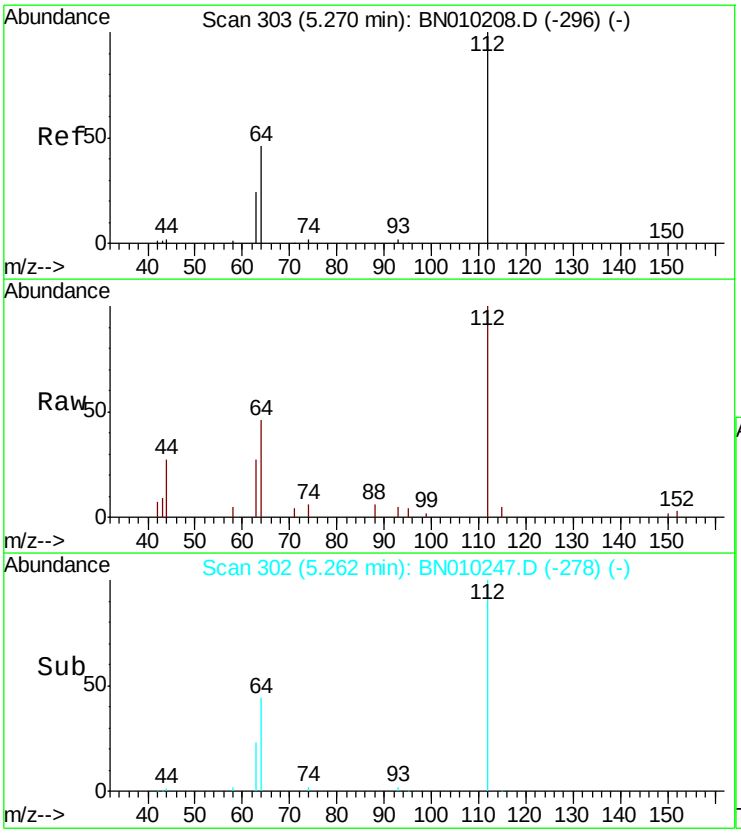
#3
n-Nitrosodimethylamine
Concen: 0.333 ng
RT: 3.57 min Scan# 92
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1195

Ion	Ratio	Lower	Upper
42	100		
74	120.3	51.2	76.8#
44	9.7	2.6	4.0#

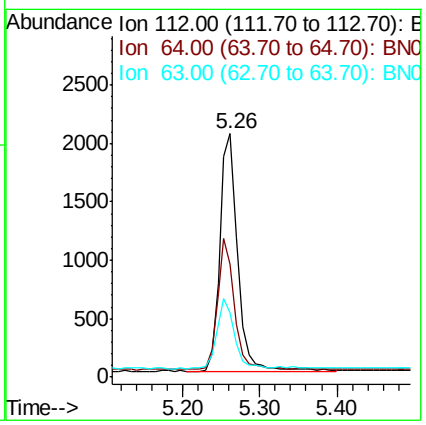


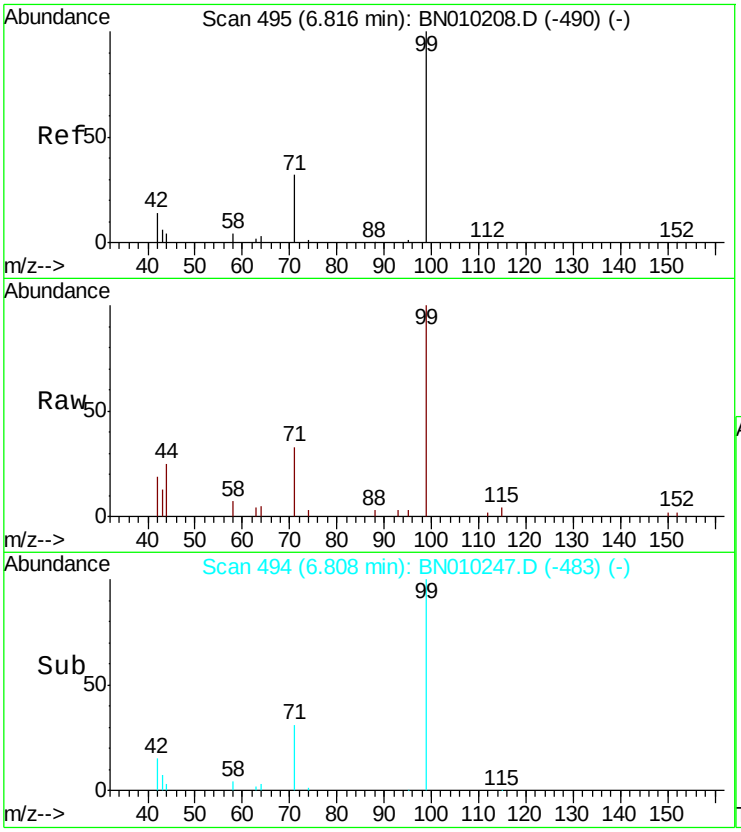


#4
2-Fluorophenol
Concen: 0.337 ng
RT: 5.26 min Scan# 302
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:112 Resp: 3275

Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.6	63.8
63	29.7	23.6	35.4



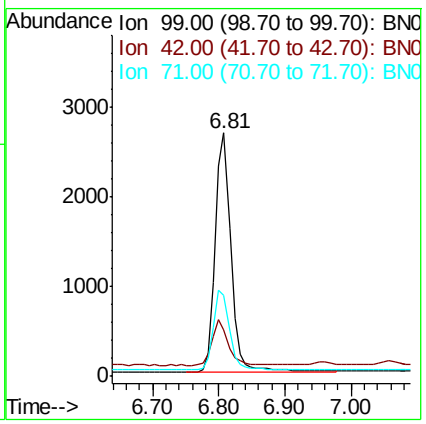


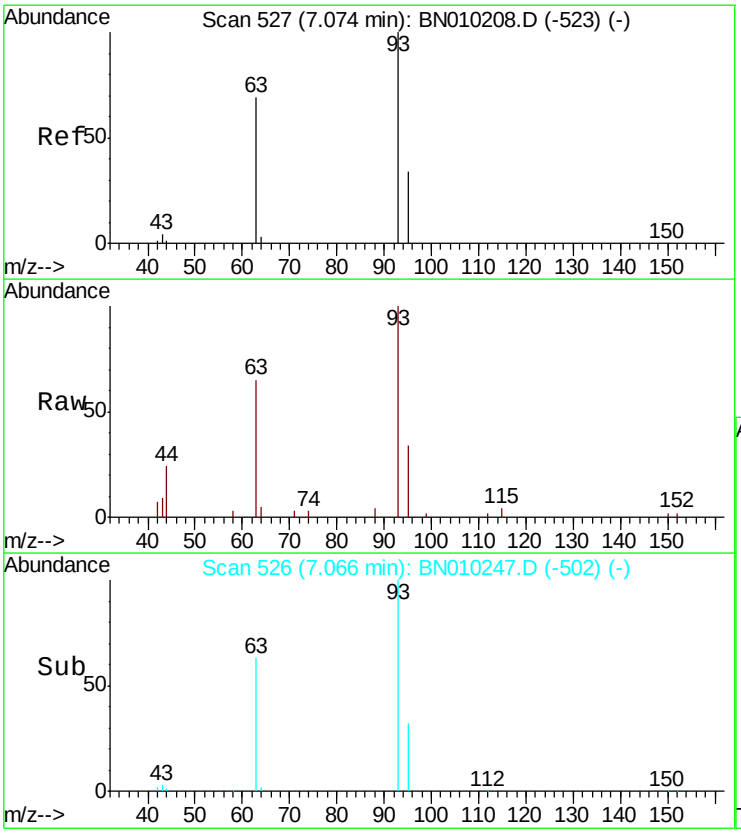
#5
Phenol-d6
Concen: 0.359 ng
RT: 6.81 min Scan# 494
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4370

Ion	Ratio	Lower	Upper
99	100		
42	19.9	12.0	18.0#
71	35.0	22.6	33.8#

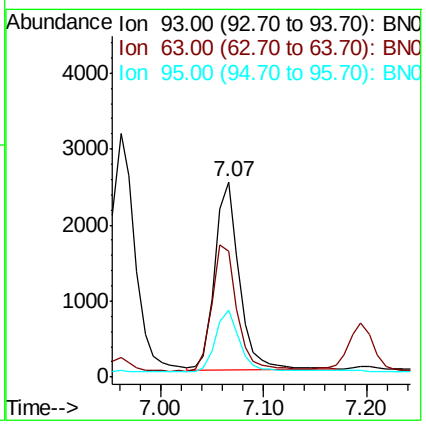


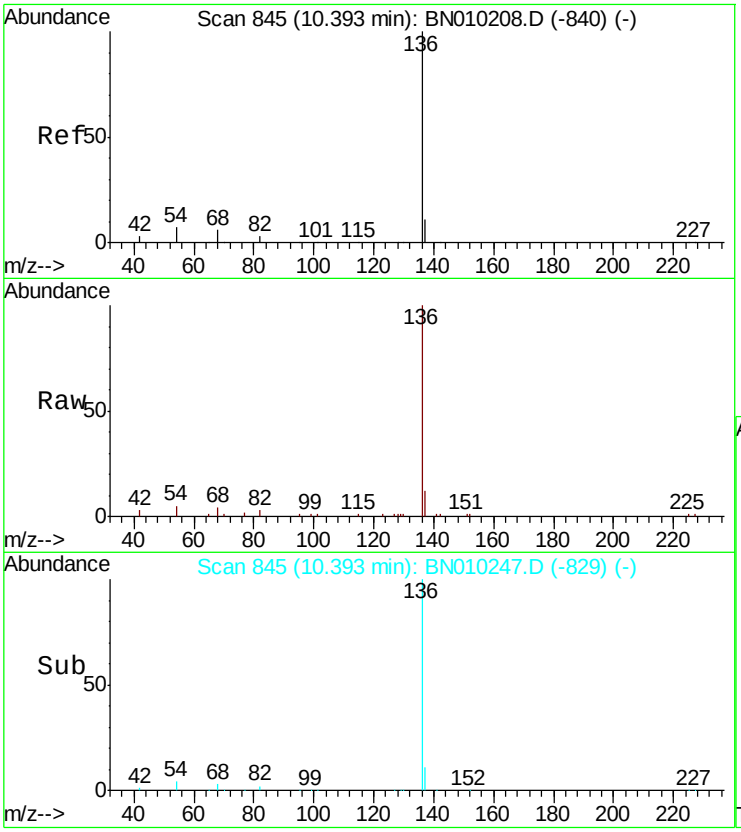


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 7.07 min Scan# 526
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion: 93 Resp: 4062

Ion	Ratio	Lower	Upper
93	100		
63	69.7	53.4	80.0
95	32.5	28.6	42.8



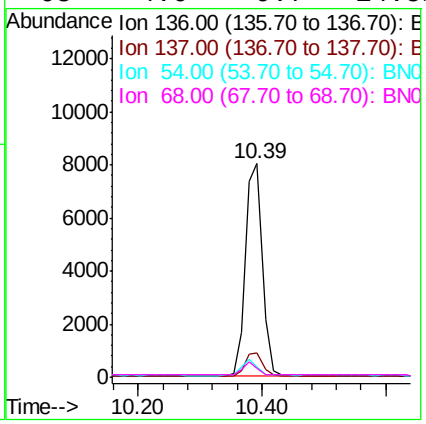


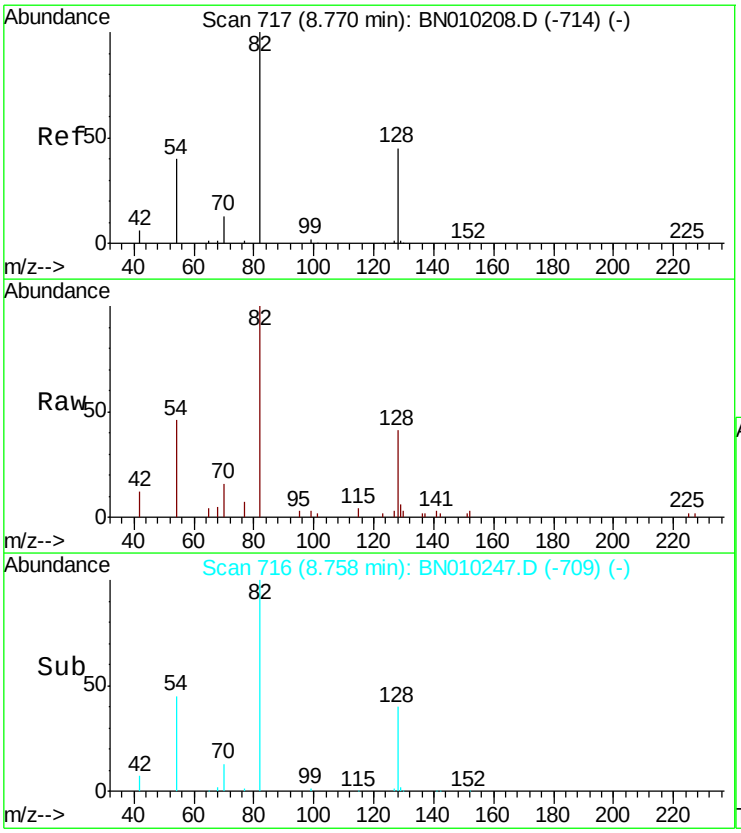
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.39 min Scan# 845
Delta R.T. -0.00 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 14888

Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.6	15.8
54	4.6	9.5	14.3#
68	4.0	9.7	14.5#

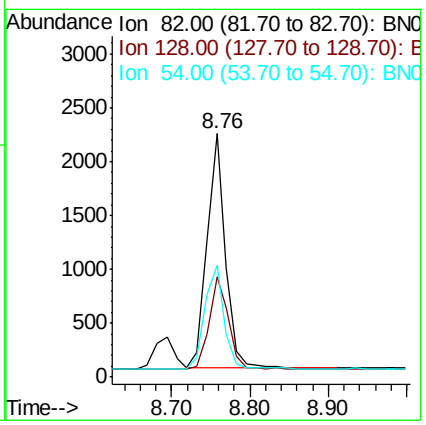


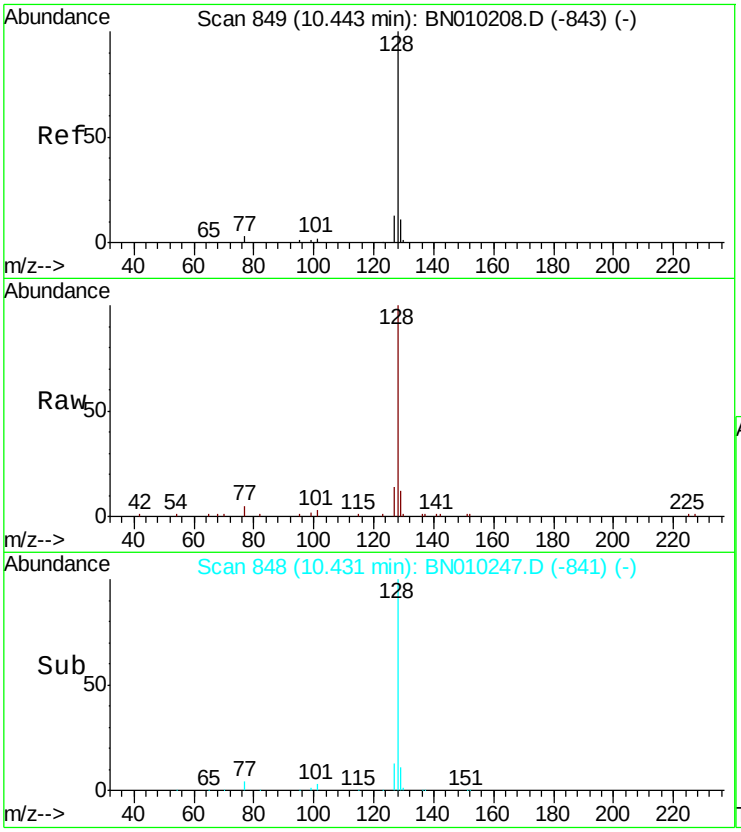


#8
Nitrobenzene-d5
Concen: 0.403 ng
RT: 8.76 min Scan# 716
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion: 82 Resp: 3596

Ion	Ratio	Lower	Upper
82	100		
128	41.3	35.0	52.6
54	45.7	37.0	55.4



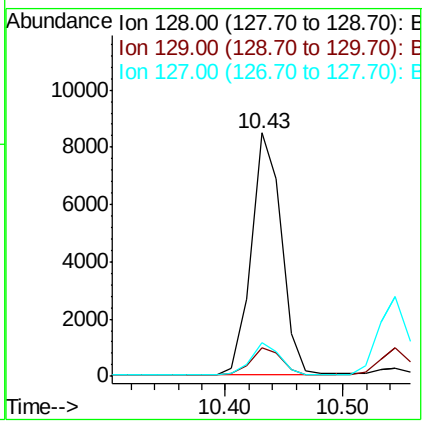


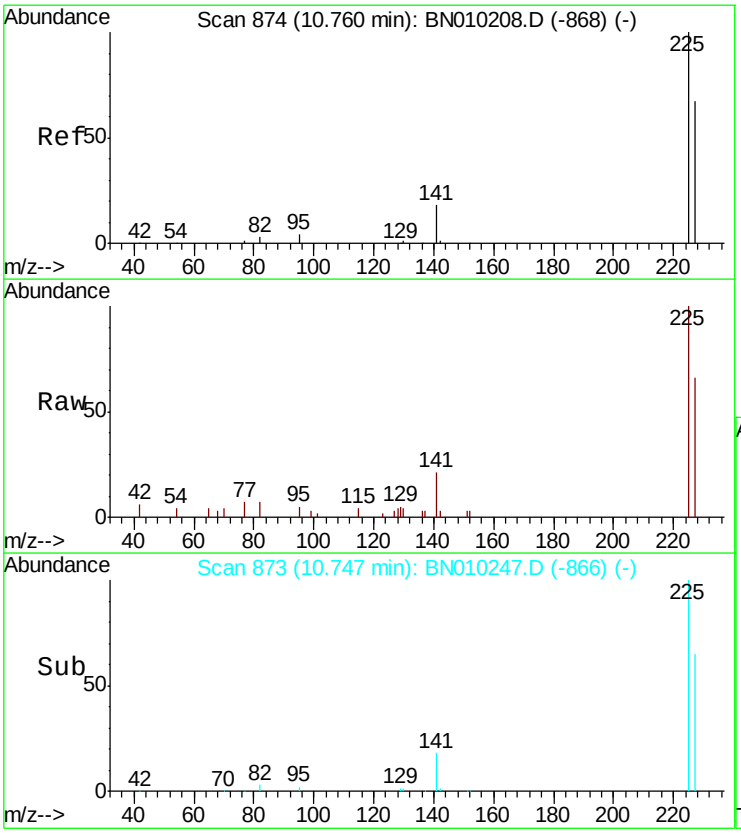
#9
Naphthalene
Concen: 0.401 ng
RT: 10.43 min Scan# 848
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 14964

Ion	Ratio	Lower	Upper
128	100		
129	11.7	10.5	15.7
127	13.8	12.1	18.1

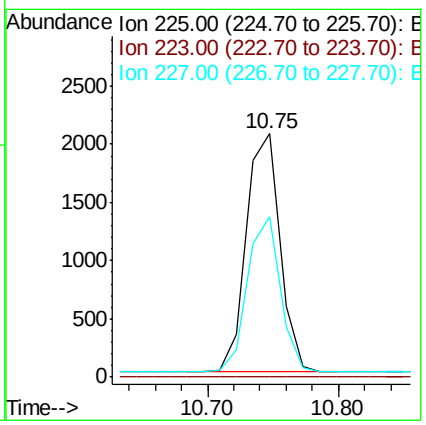


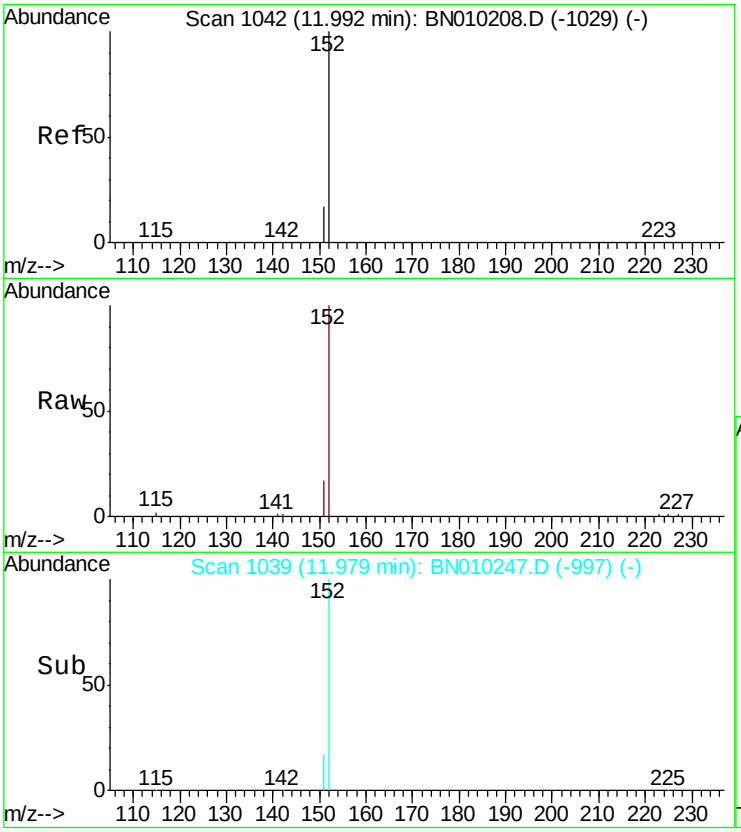


#10
Hexachlorobutadiene
Concen: 0.426 ng
RT: 10.75 min Scan# 873
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:225 Resp: 3659

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	53.4	80.2



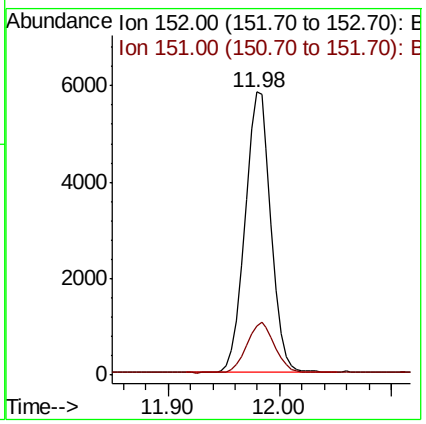


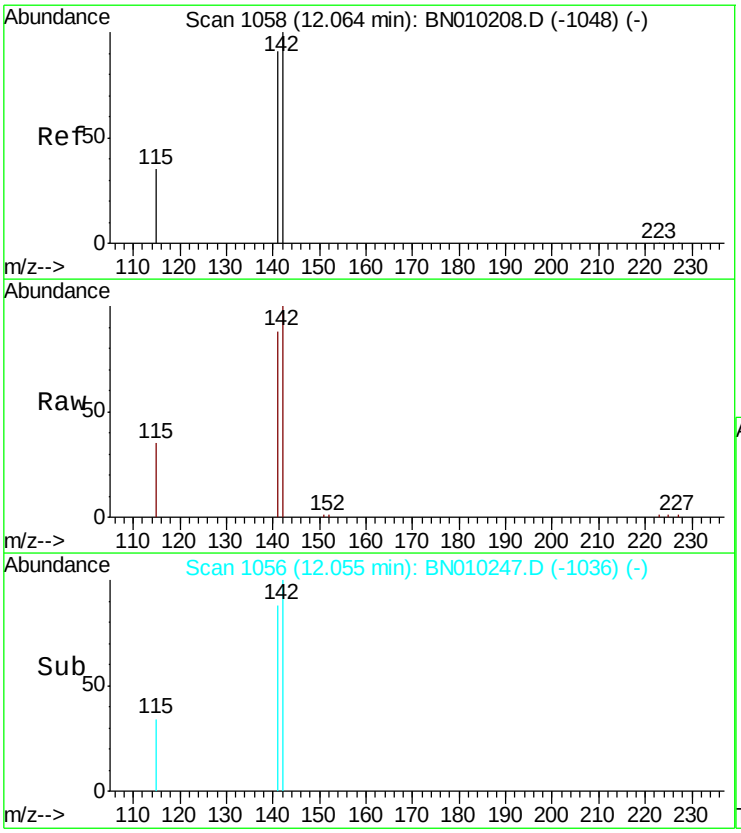
#11
2-Methylnaphthalene-d10
Concen: 0.381 ng
RT: 11.98 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9360

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.0	22.6

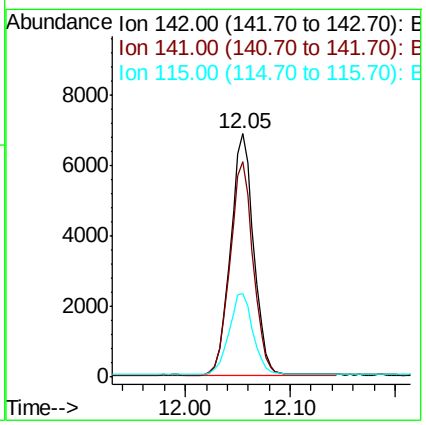


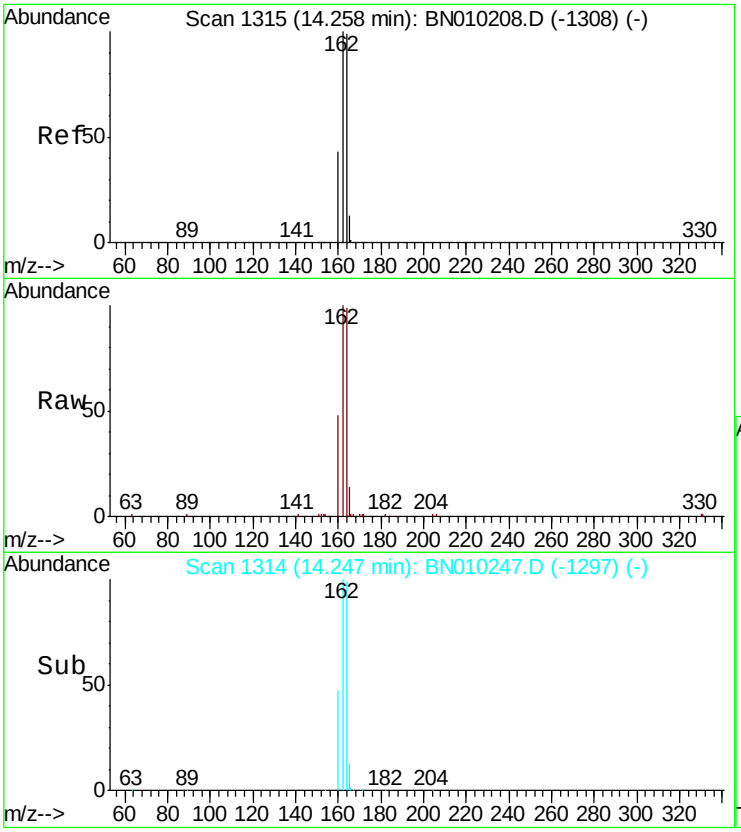


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 12.05 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:142 Resp: 10399

Ion	Ratio	Lower	Upper
142	100		
141	88.4	73.7	110.5
115	34.5	31.2	46.8



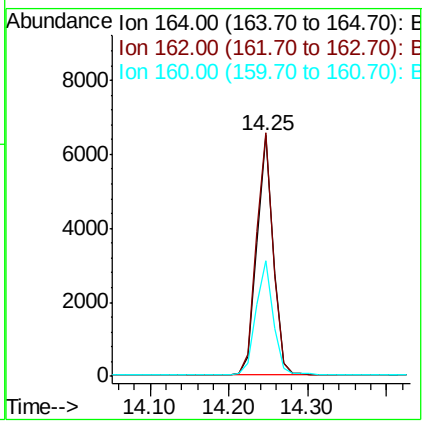


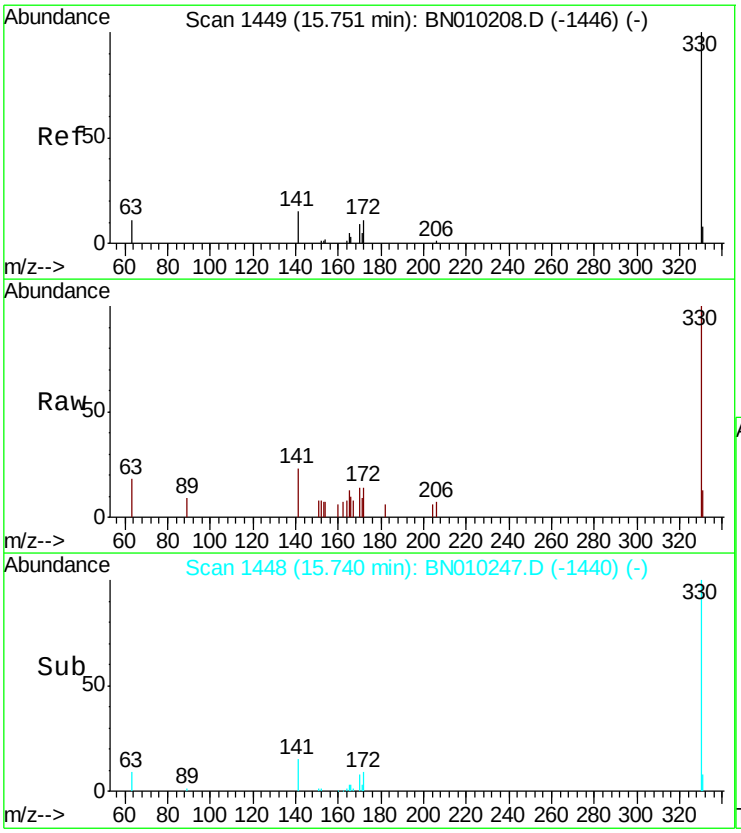
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.25 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 9116

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	48.1	35.6	53.4

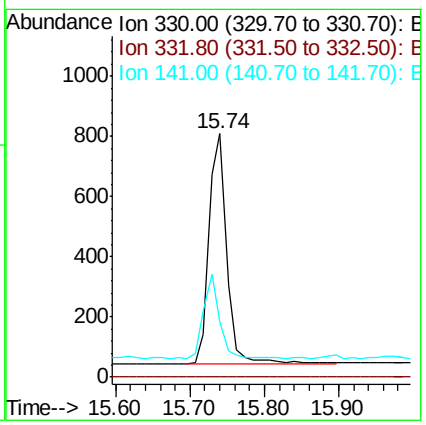


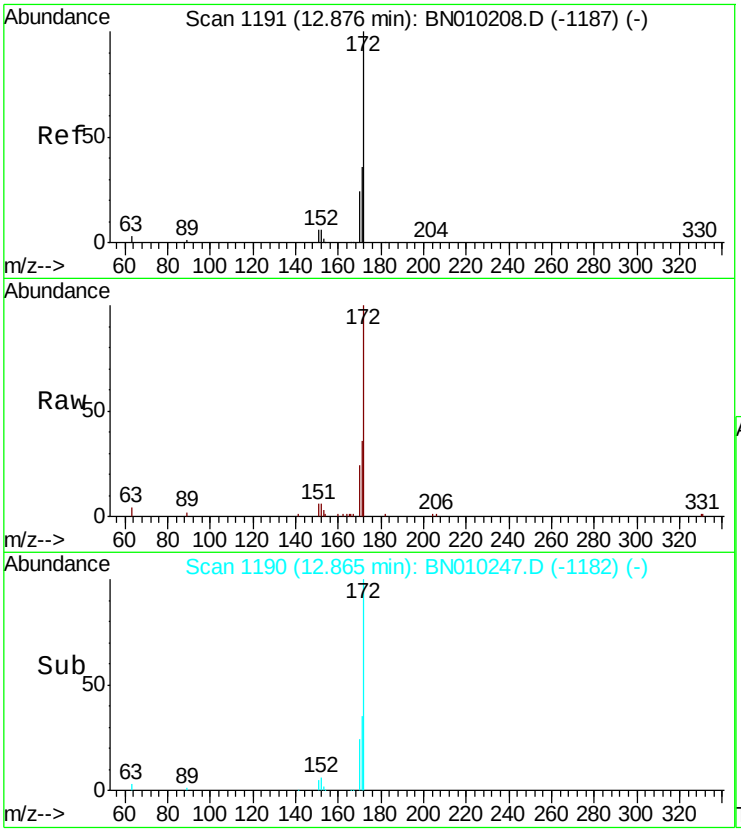


#14
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 15.74 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:330 Resp: 1262

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.6	25.1	37.7



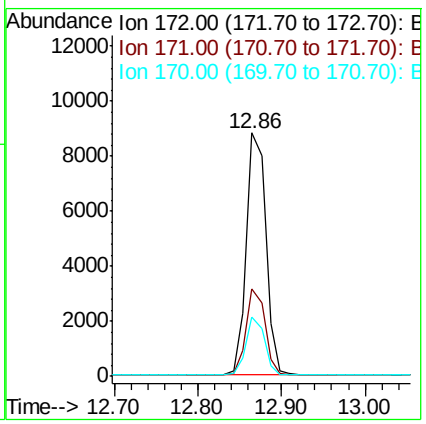


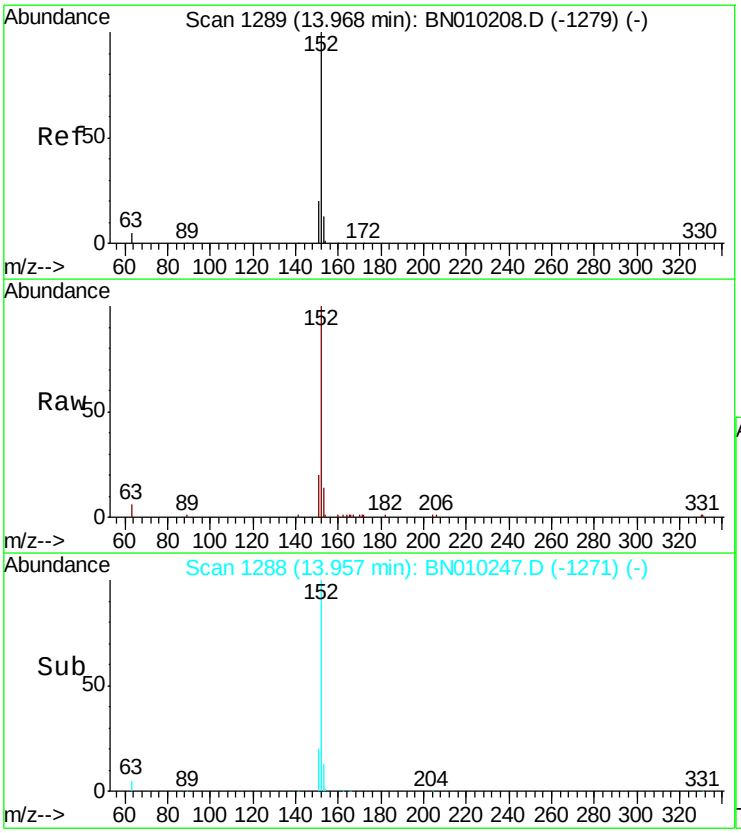
#15
2-Fluorobiphenyl
Concen: 0.441 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14306

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.2
170	24.4	20.2	30.4

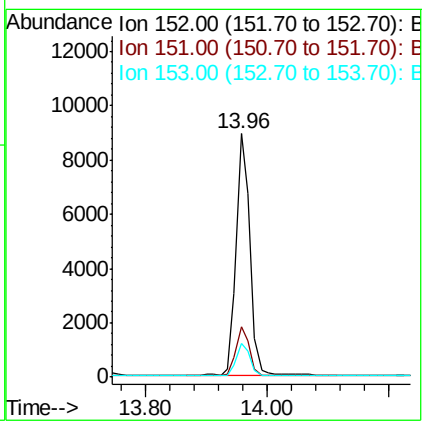


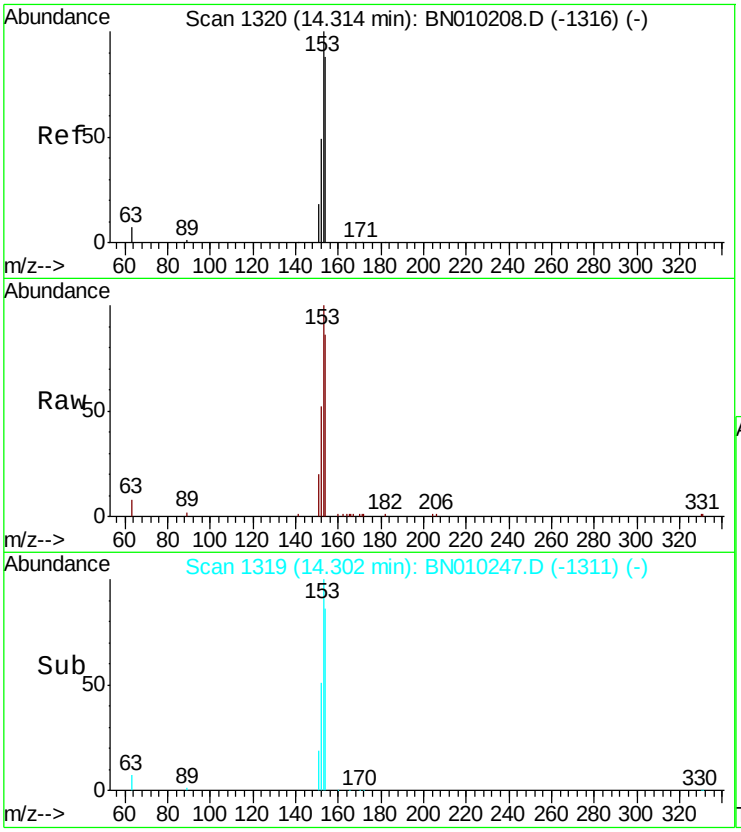


#16
Acenaphthylene
Concen: 0.334 ng
RT: 13.96 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:152 Resp: 14045

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.3	10.6	16.0



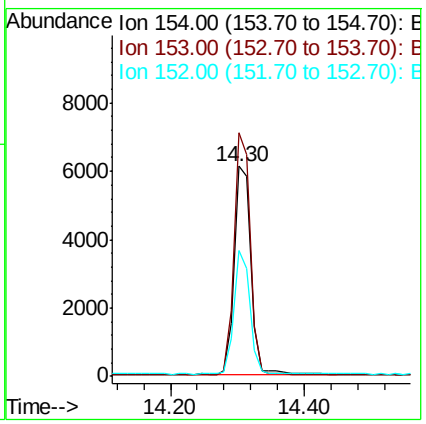


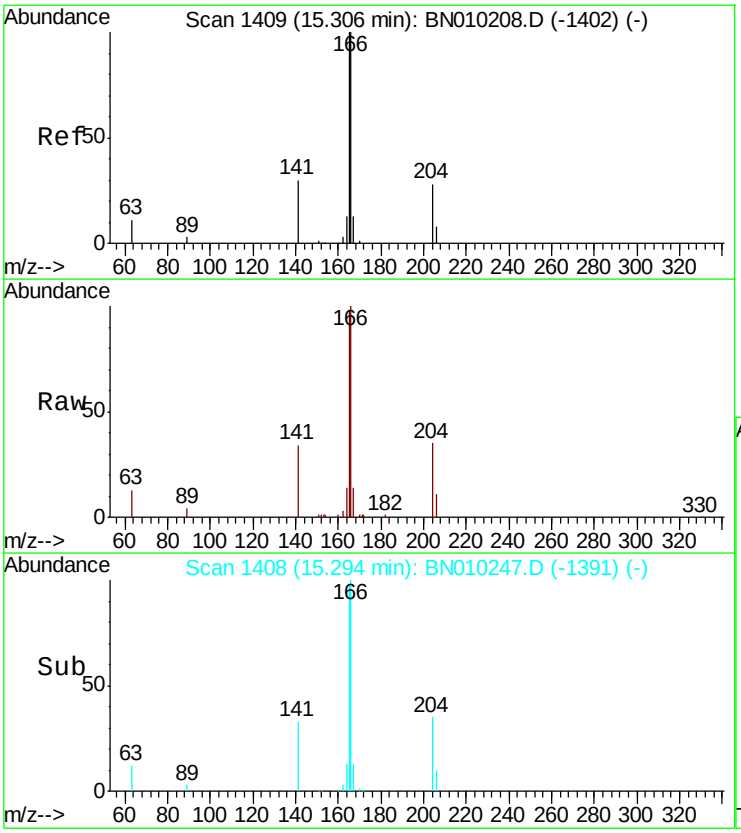
#17
Acenaphthene
Concen: 0.404 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10314

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.3	135.5
152	56.2	42.9	64.3

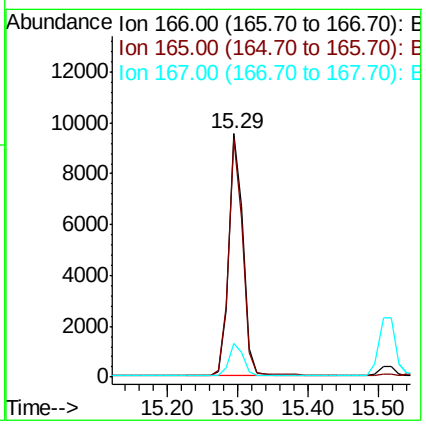


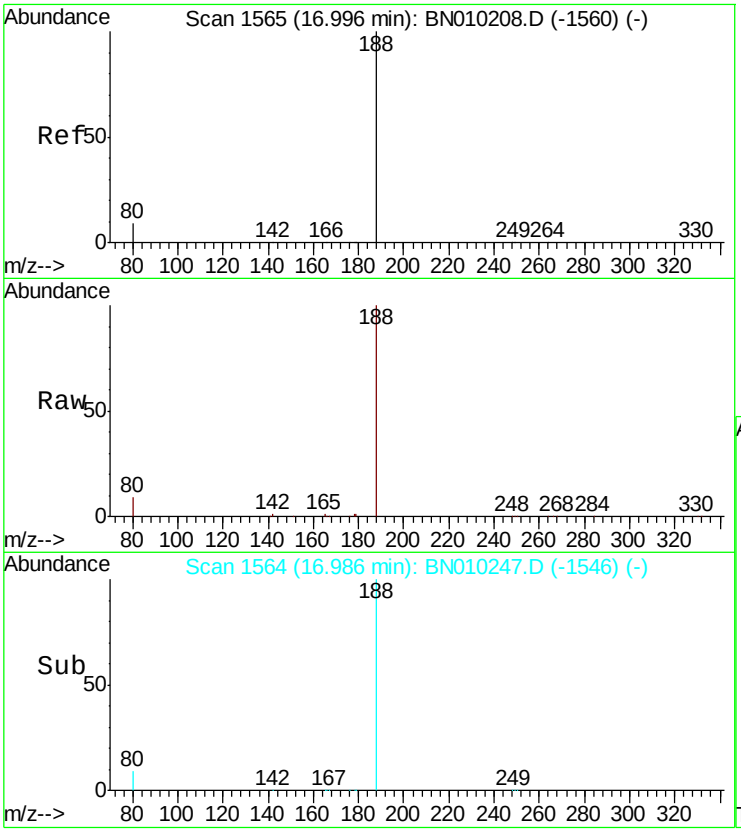


#18
Fluorene
Concen: 0.391 ng
RT: 15.29 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:166 Resp: 13601

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.3	117.5
167	13.4	10.7	16.1



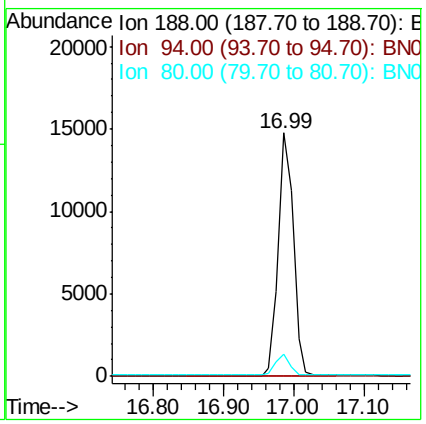


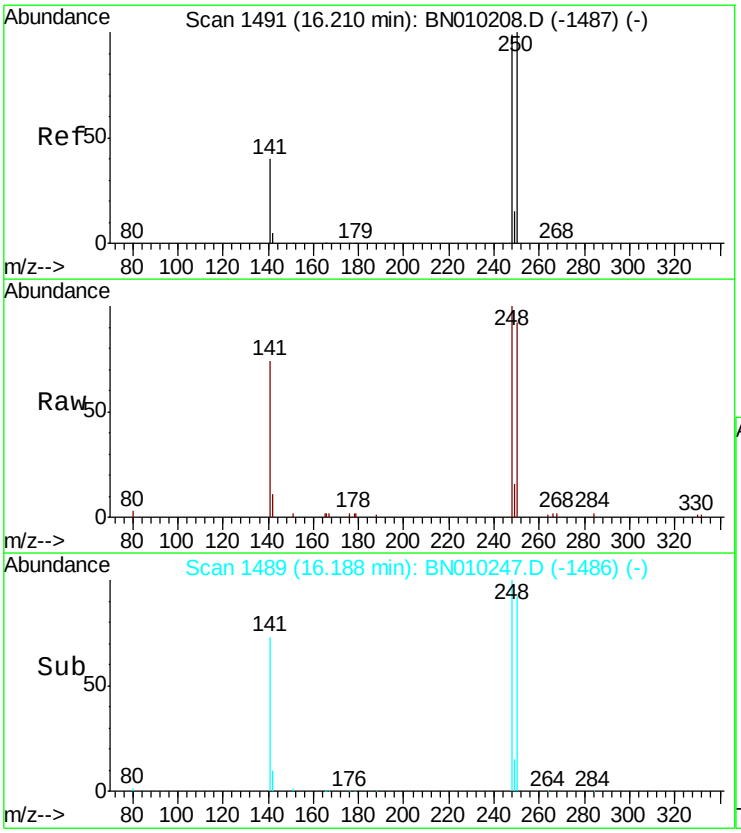
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 21752

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	8.6	12.8

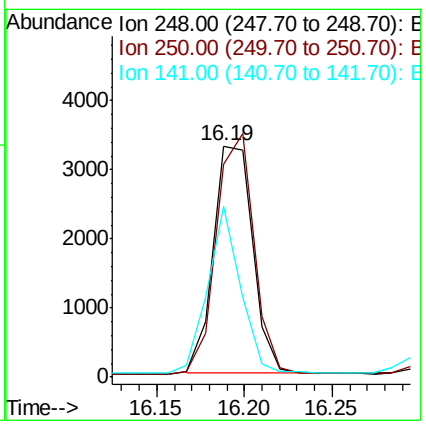


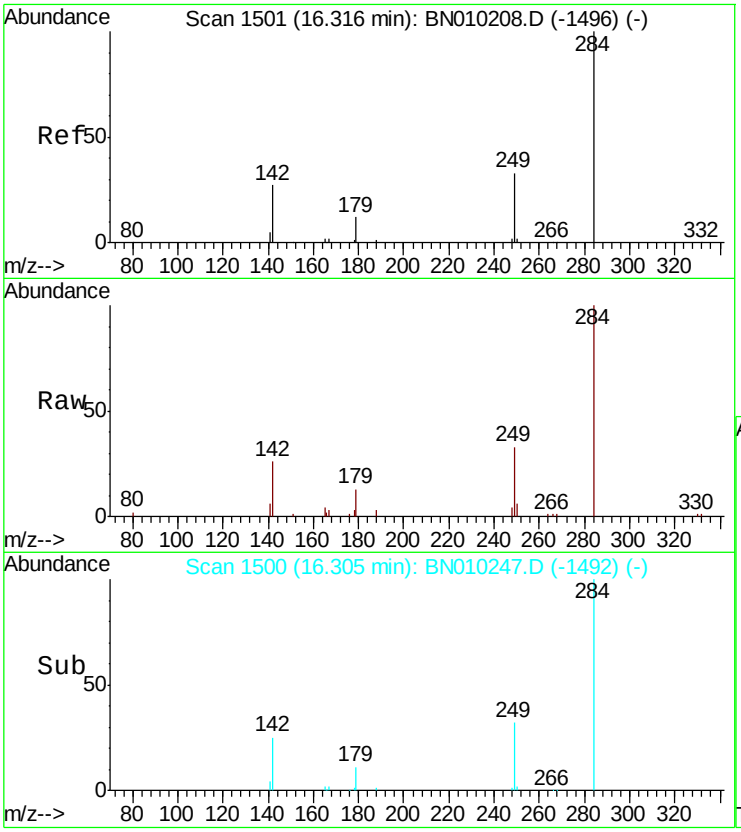


#20
4-Bromophenyl-phenylether
Concen: 0.410 ng
RT: 16.19 min Scan# 1489
Delta R.T. -0.02 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:248 Resp: 5117

Ion	Ratio	Lower	Upper
248	100		
250	92.1	81.2	121.8
141	73.9	36.7	55.1#



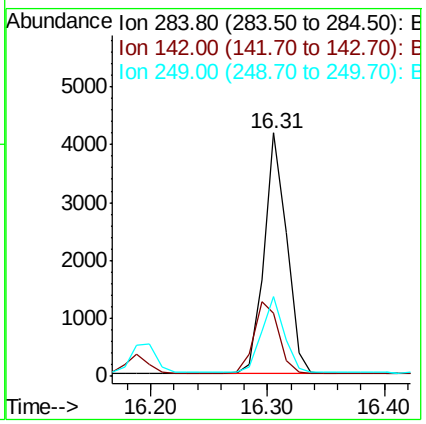


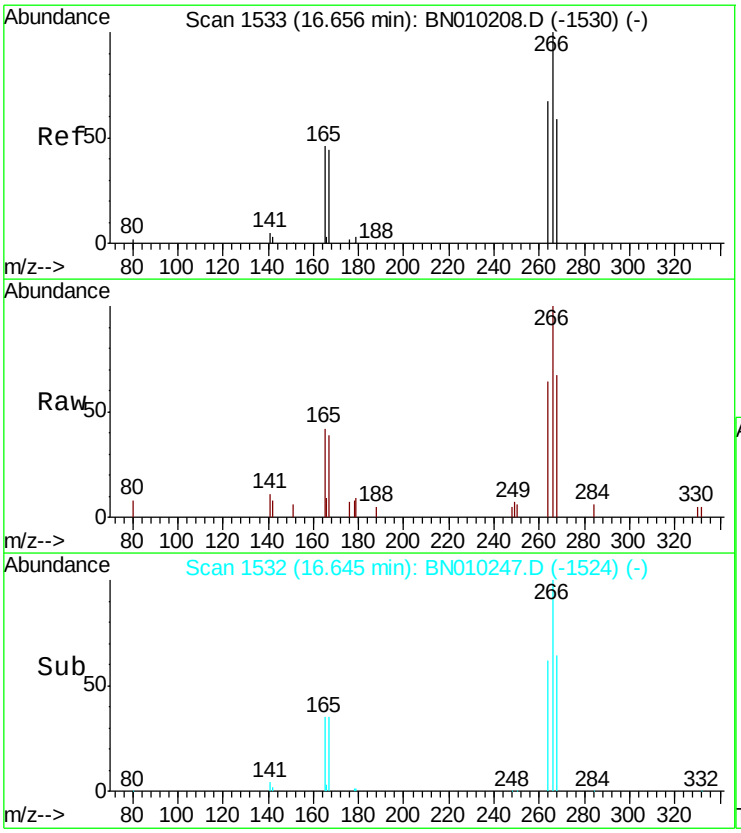
#21
Hexachlorobenzene
Concen: 0.458 ng
RT: 16.31 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 5586

Ion	Ratio	Lower	Upper
284	100		
142	32.6	27.8	41.6
249	31.9	26.6	39.8

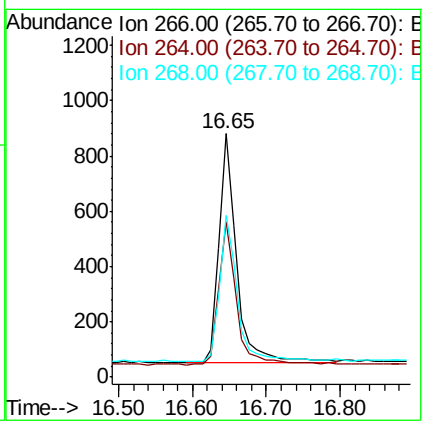


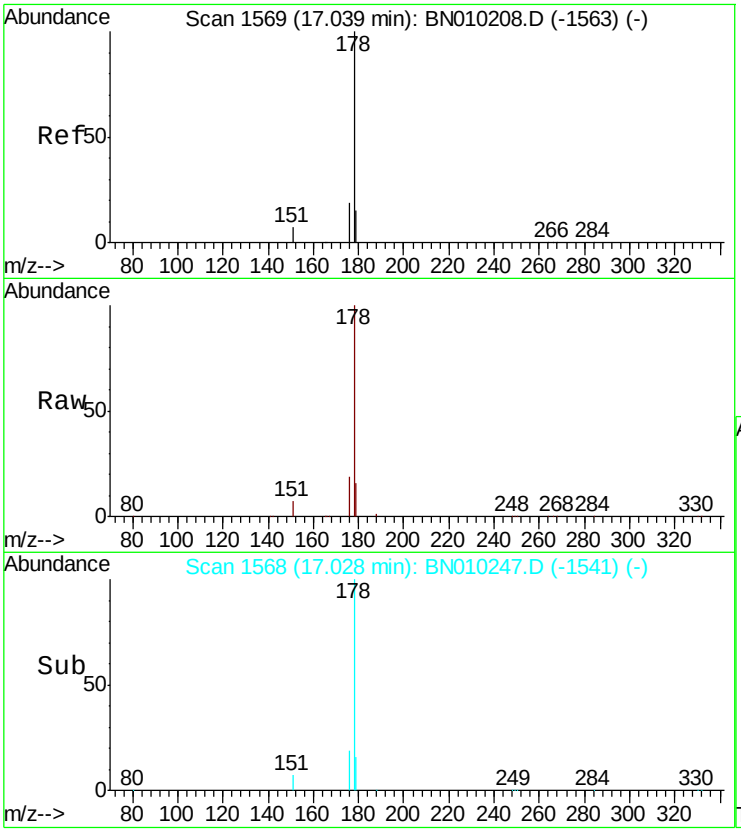


#22
Pentachlorophenol
Concen: 0.376 ng
RT: 16.65 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:266 Resp: 1415

Ion	Ratio	Lower	Upper
266	100		
264	63.8	56.2	84.2
268	66.6	61.4	92.2



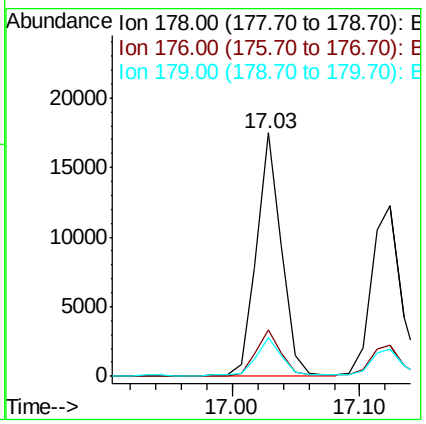


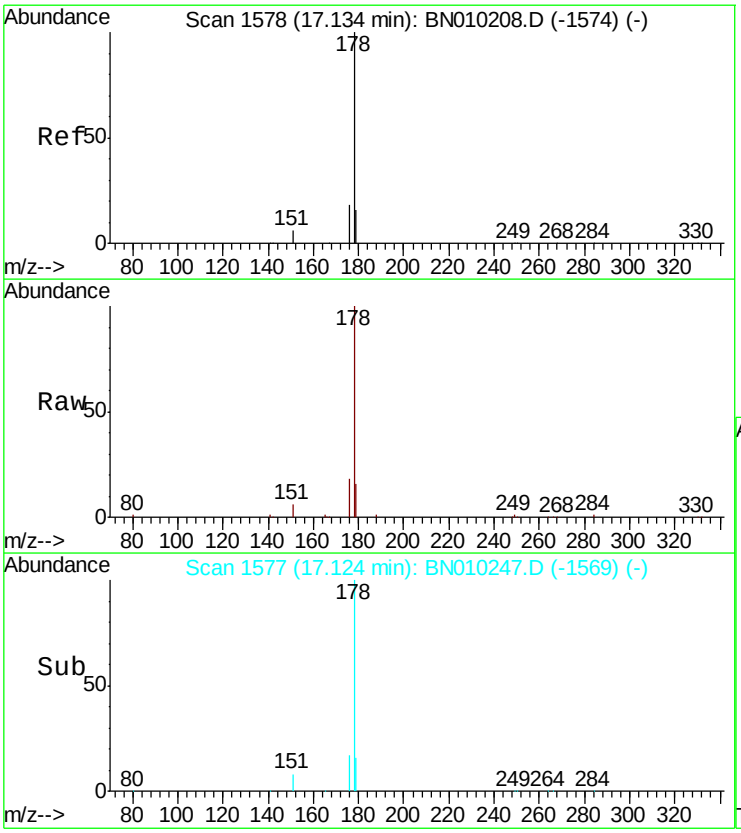
#23
Phenanthrene
Concen: 0.409 ng
RT: 17.03 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 23597

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.5	18.7

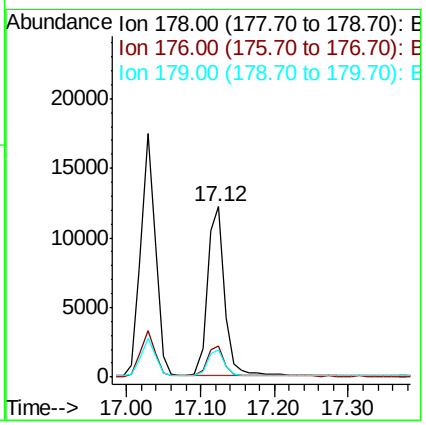


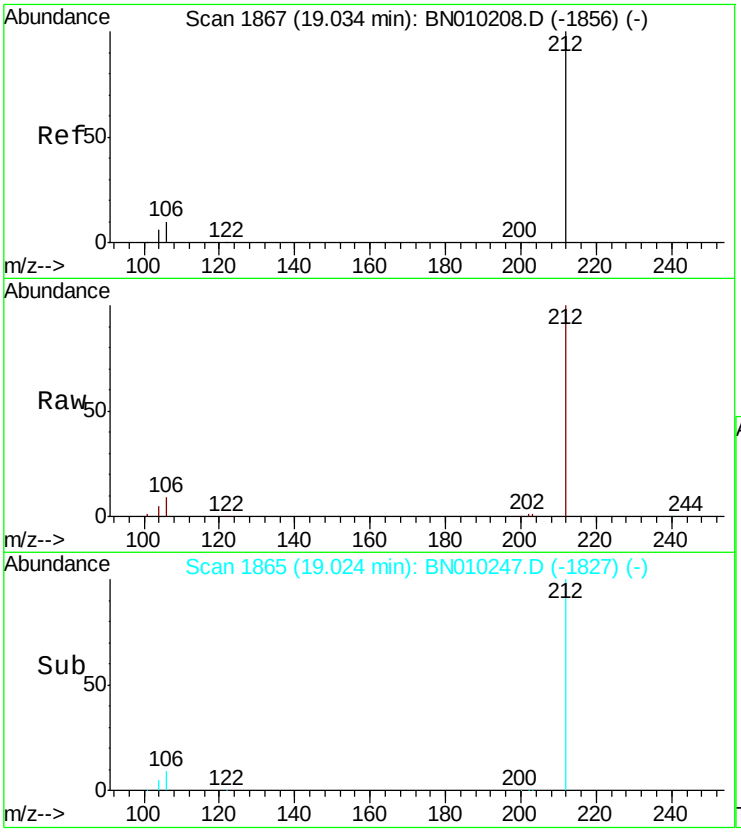


#24
Anthracene
Concen: 0.340 ng
RT: 17.12 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:178 Resp: 19540

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	15.5	12.5	18.7



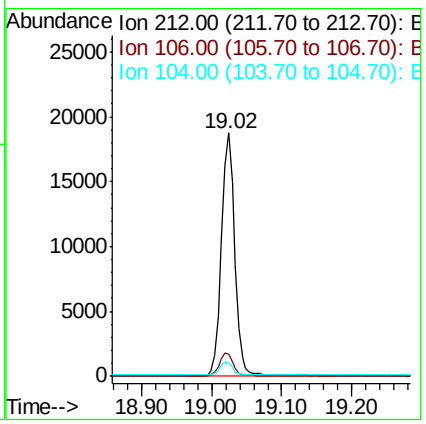


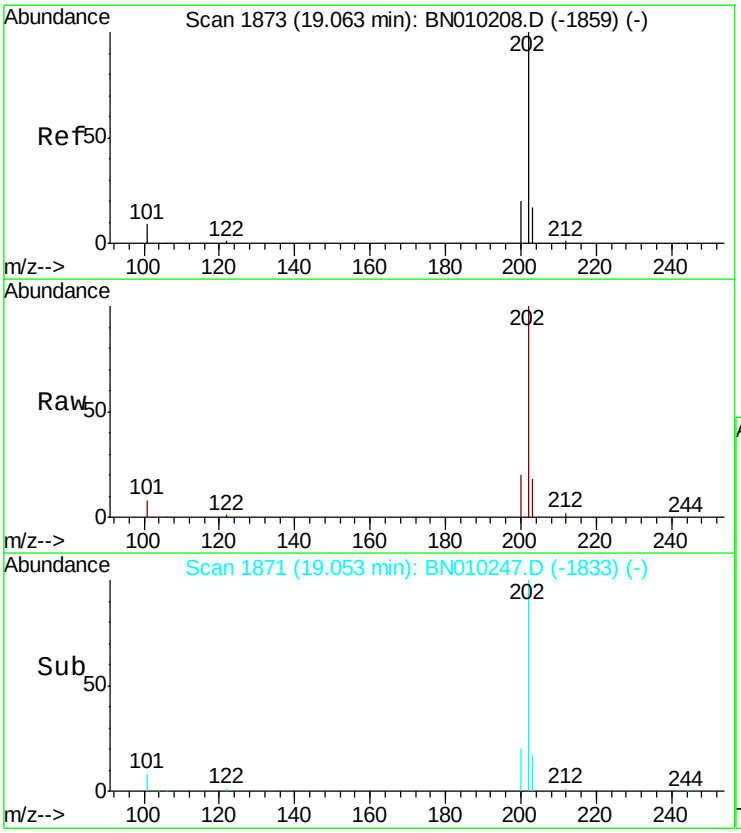
#25
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.02 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 24481

Ion	Ratio	Lower	Upper
212	100		
106	9.4	8.1	12.1
104	5.4	4.7	7.1

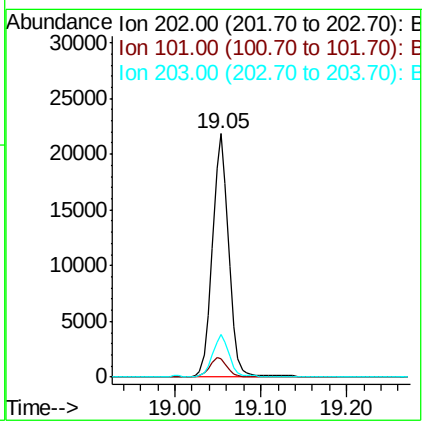


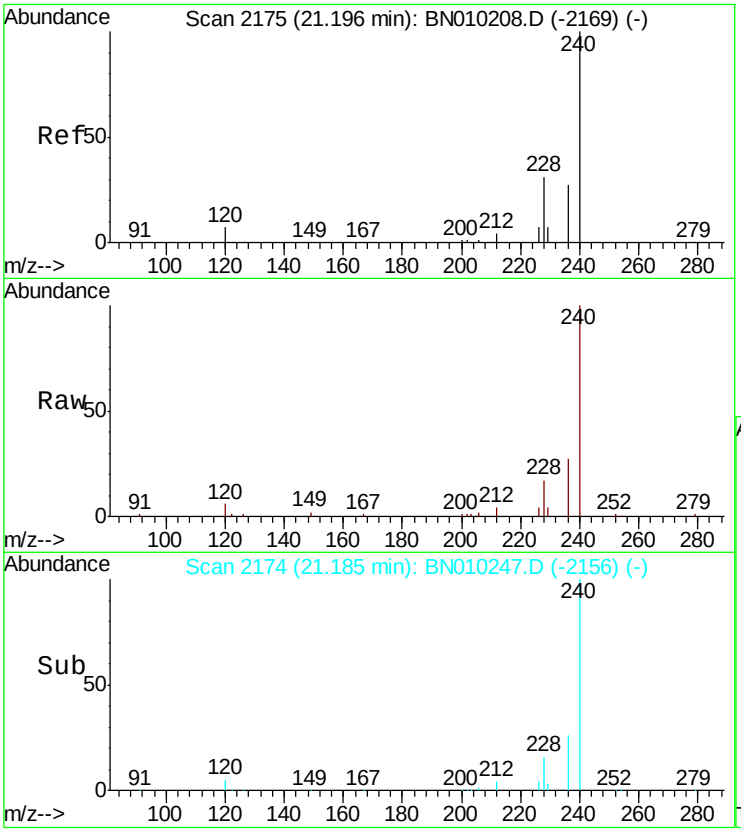


#26
Fluoranthene
Concen: 0.387 ng
RT: 19.05 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:202 Resp: 28291

Ion	Ratio	Lower	Upper
202	100		
101	8.3	7.0	10.6
203	17.2	13.9	20.9



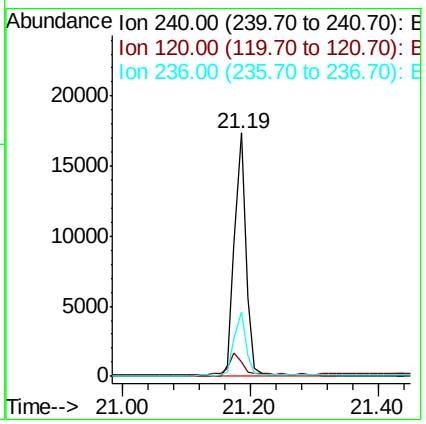


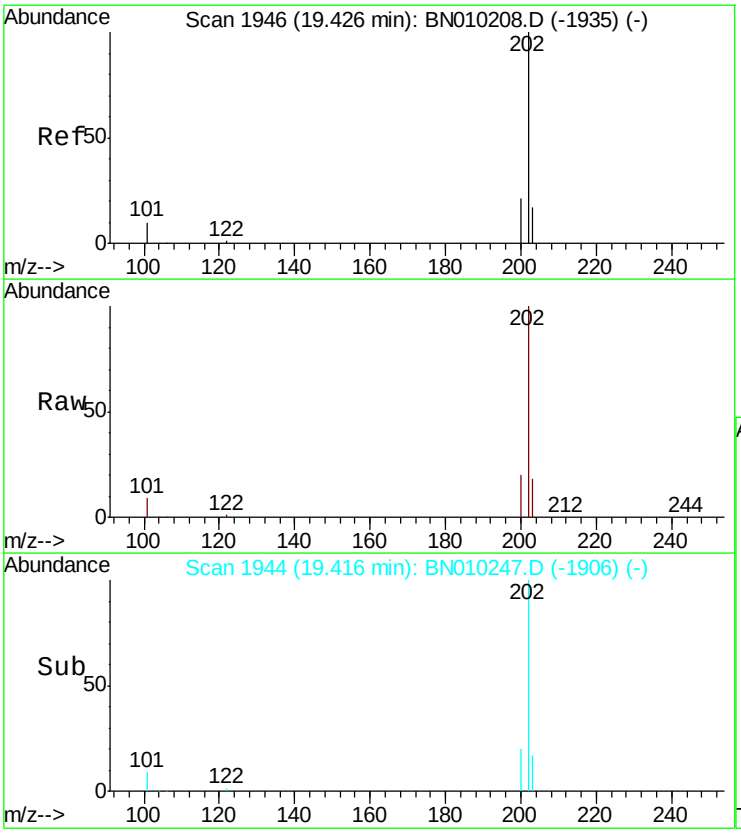
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 21839

Ion	Ratio	Lower	Upper
240	100		
120	6.0	7.7	11.5#
236	26.6	21.8	32.6

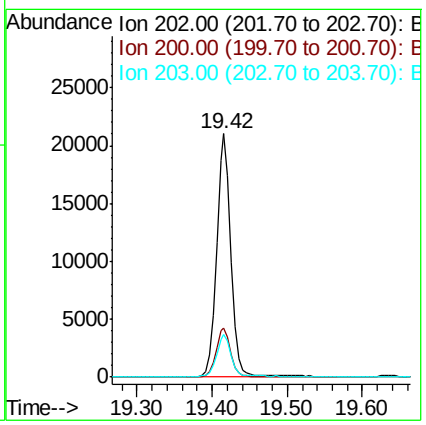


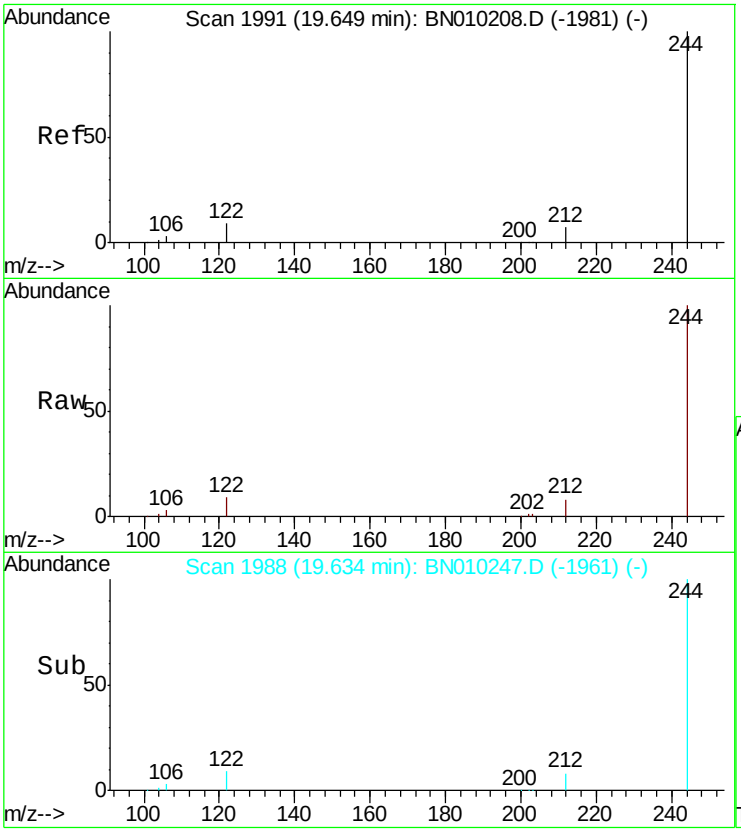


#28
Pyrene
Concen: 0.385 ng
RT: 19.42 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:202 Resp: 28090

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.5	14.1	21.1



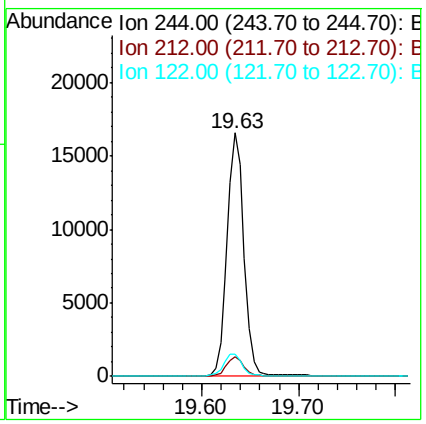


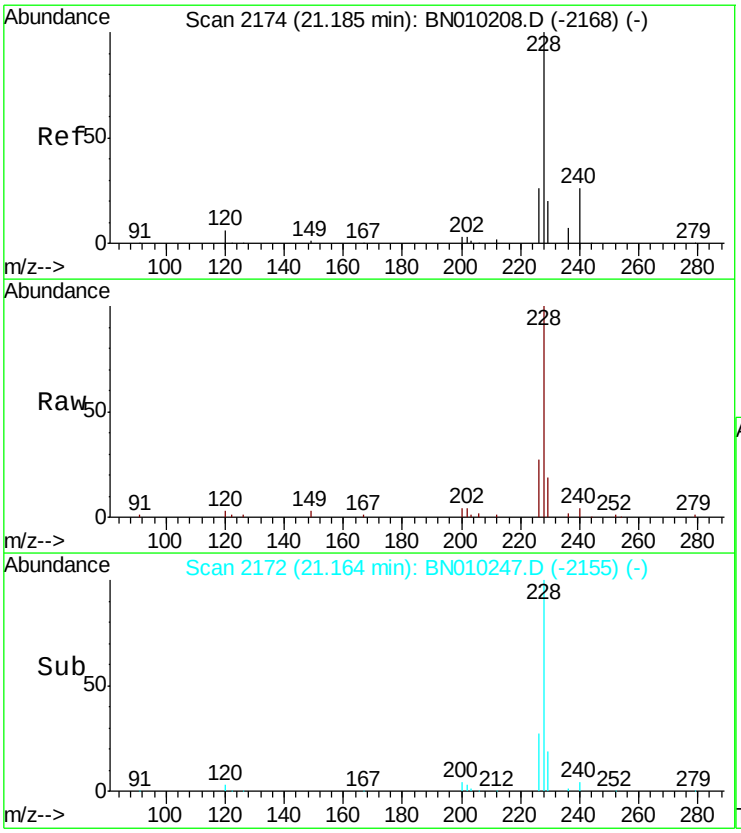
#29
Terphenyl-d14
Concen: 0.398 ng
RT: 19.63 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 19821

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	9.2	8.1	12.1

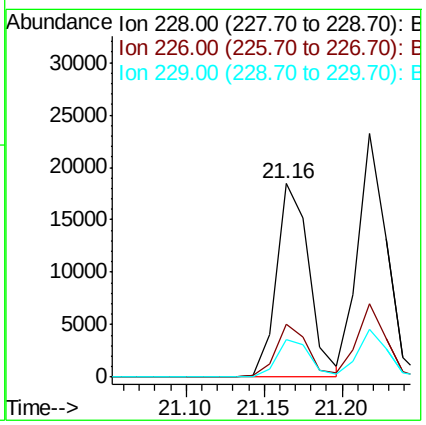


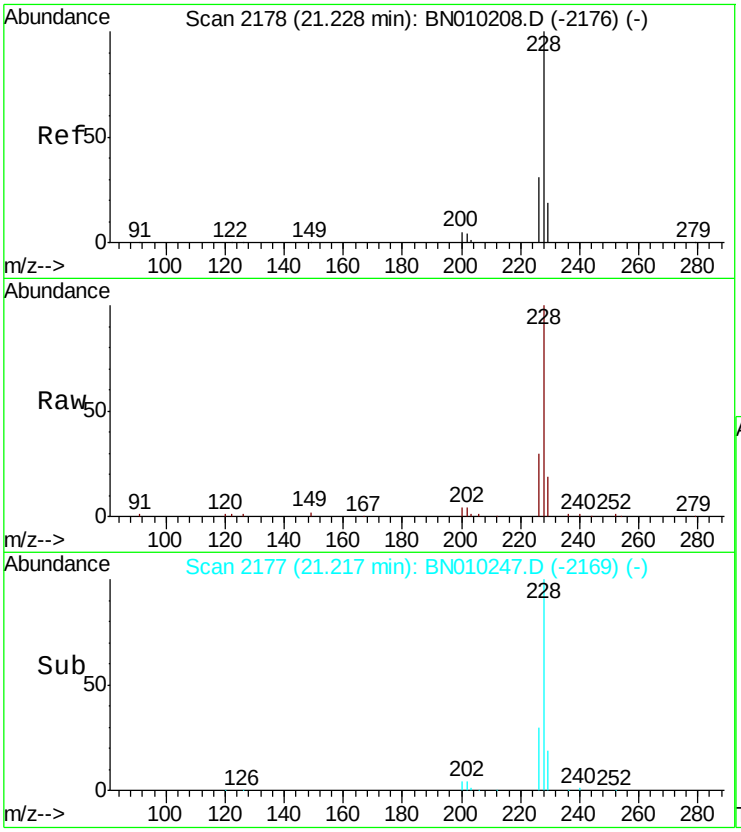


#30
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:228 Resp: 26477

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.1	31.7
229	19.4	16.2	24.4



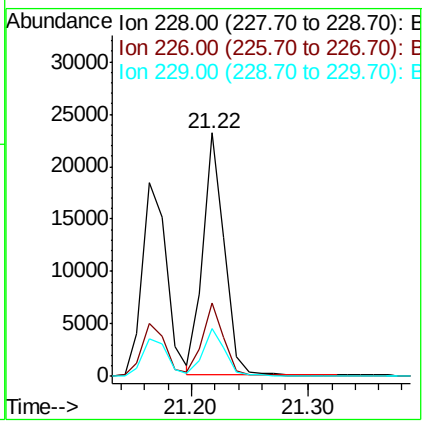


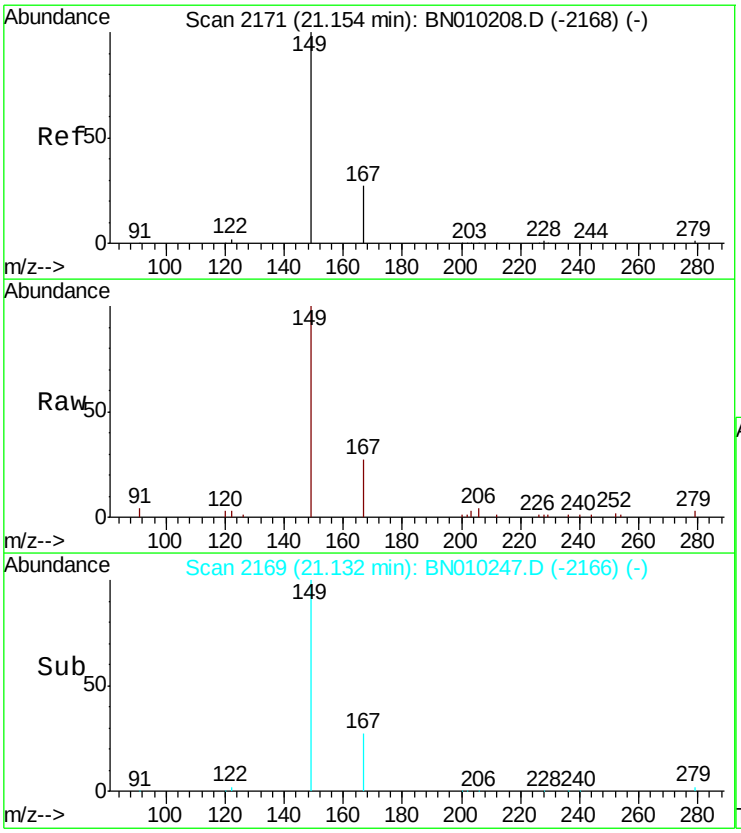
#31
Chrysene
Concen: 0.404 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 29565

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.4
229	19.5	15.7	23.5

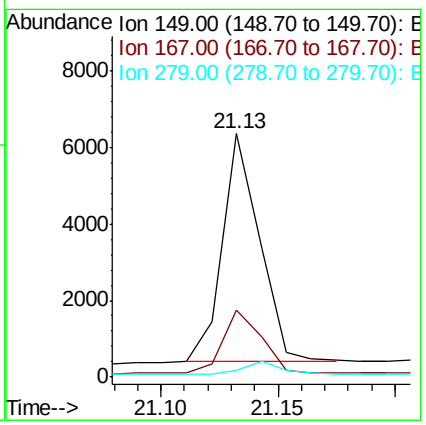


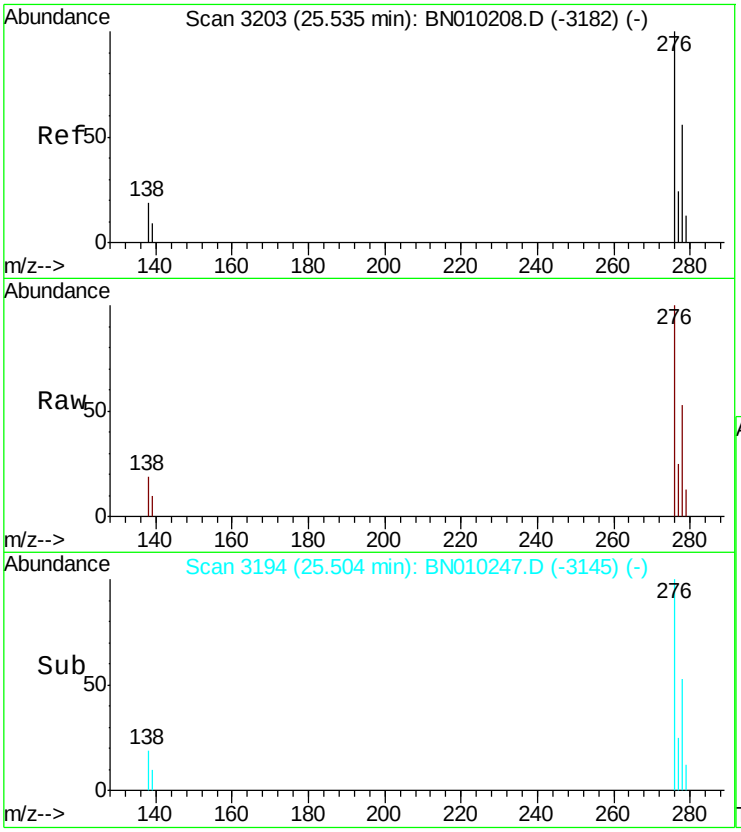


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.209 ng
RT: 21.13 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:149 Resp: 6604

Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.0	31.4
279	4.9	3.1	4.7#



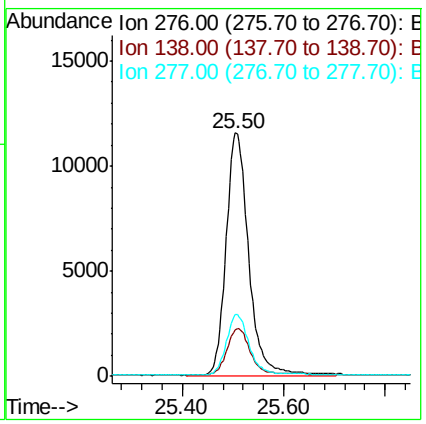


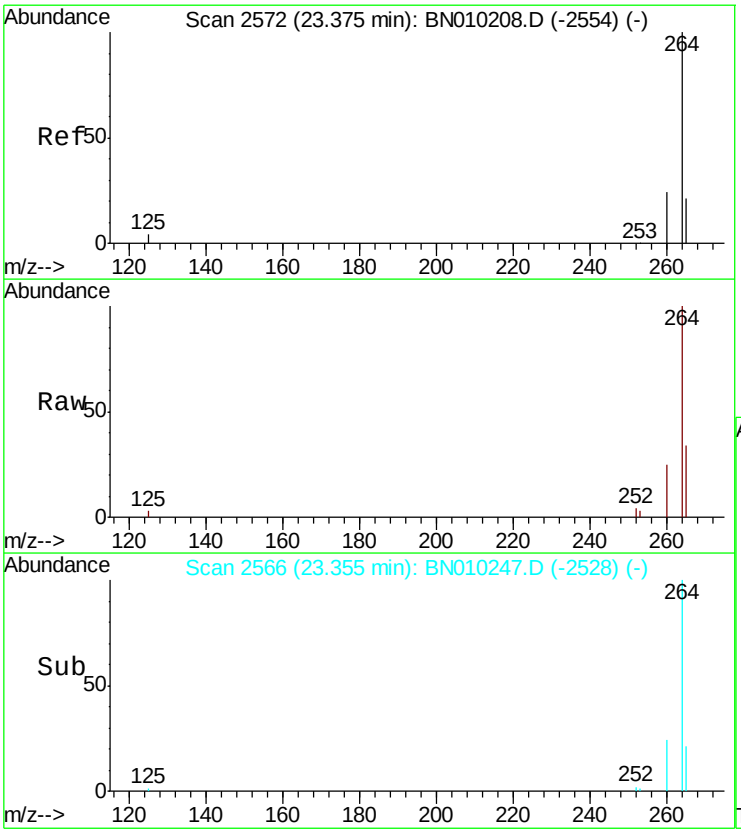
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng
RT: 25.50 min Scan# 3194
Delta R.T. -0.03 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 35598

Ion	Ratio	Lower	Upper
276	100		
138	19.5	15.8	23.6
277	25.2	19.3	28.9

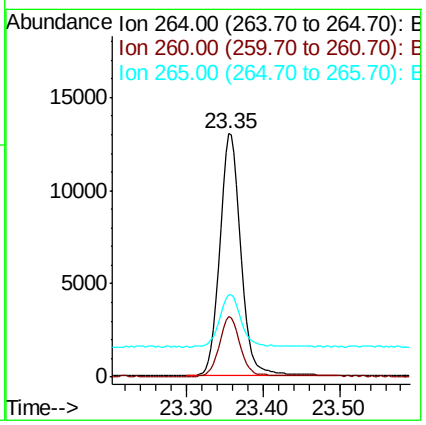


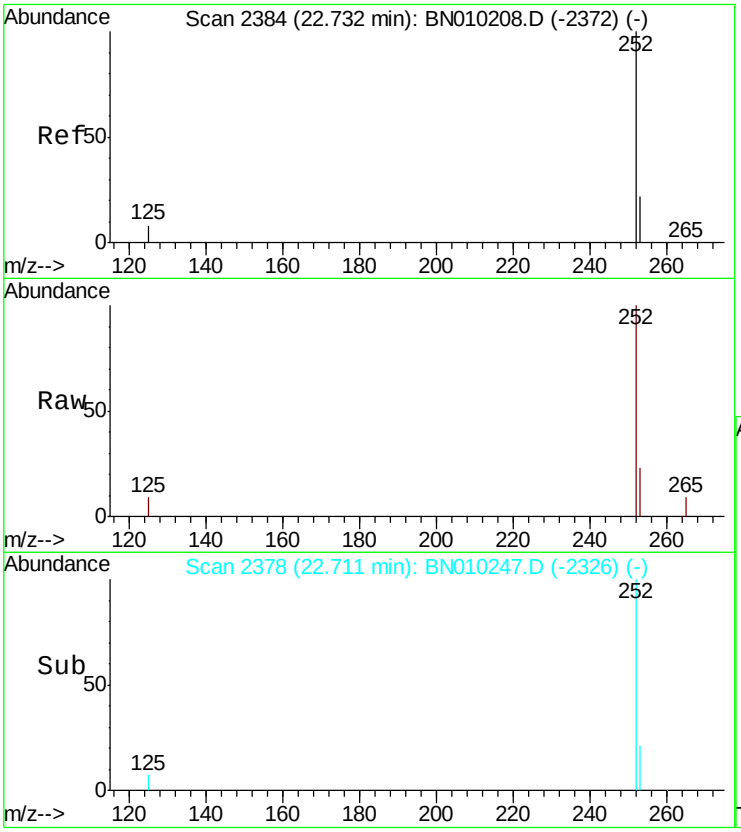


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2566
Delta R.T. -0.02 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:264 Resp: 25331

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	33.8	25.8	38.6



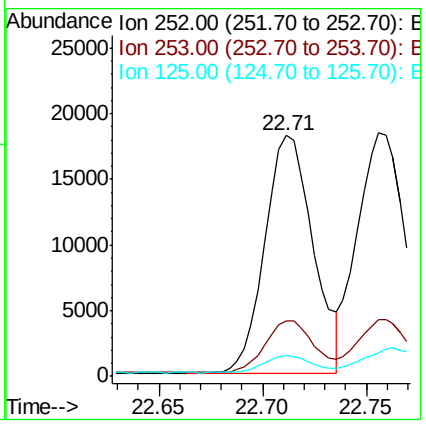


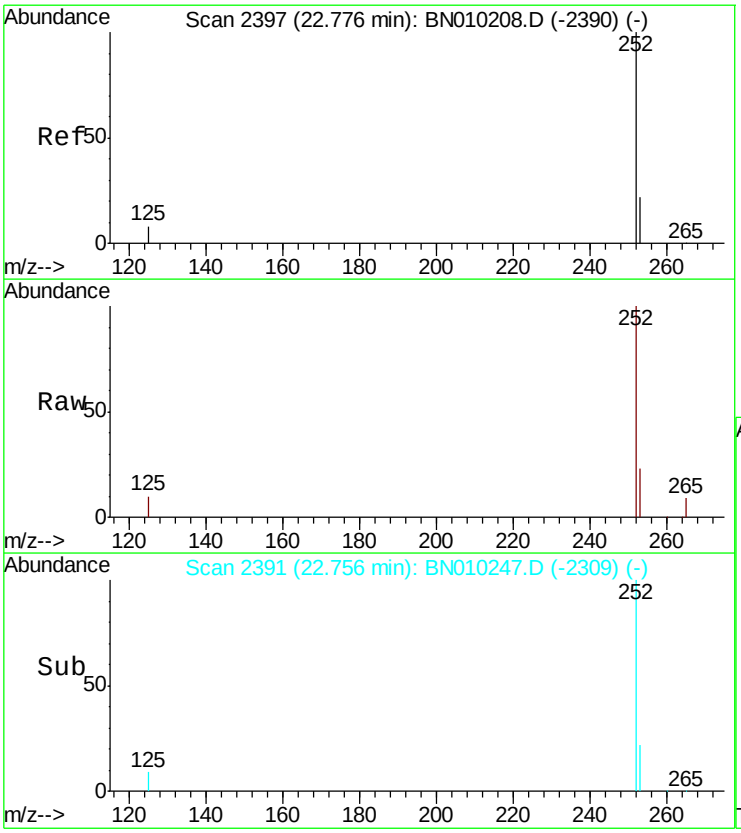
#35
Benzo(b)fluoranthene
Concen: 0.375 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.02 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 29209

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	28.0
125	8.9	7.9	11.9

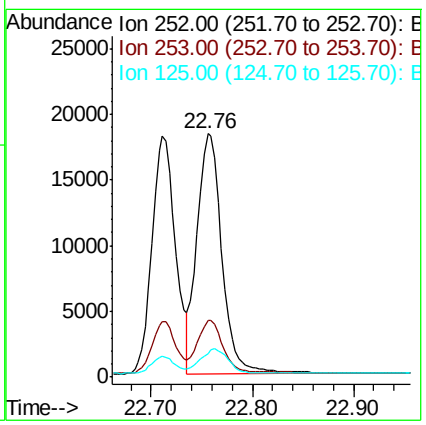


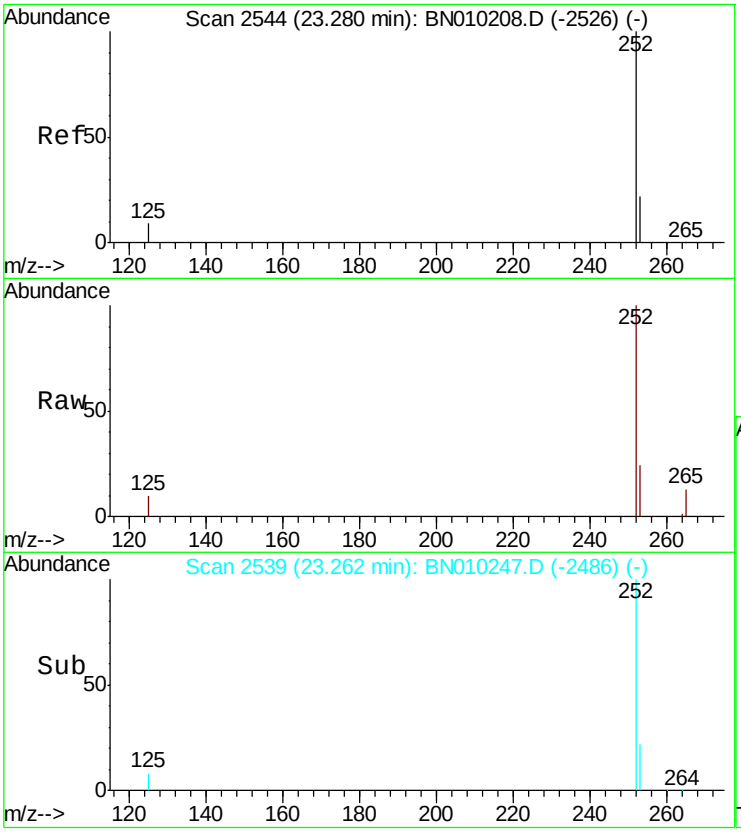


#36
Benzo(k)fluoranthene
Concen: 0.395 ng
RT: 22.76 min Scan# 2391
Delta R.T. -0.02 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:252 Resp: 31064

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.8	28.2
125	9.9	8.2	12.4



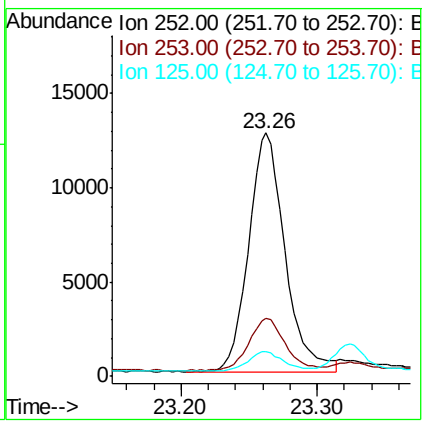


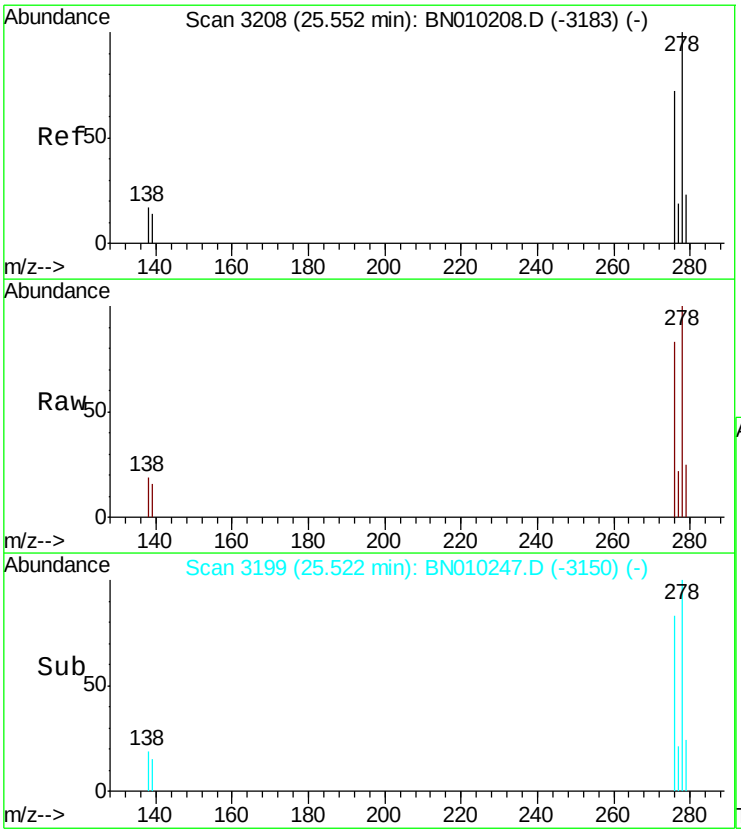
#37
Benzo(a)pyrene
Concen: 0.319 ng
RT: 23.26 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 23474

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.1	28.7
125	9.9	9.2	13.8

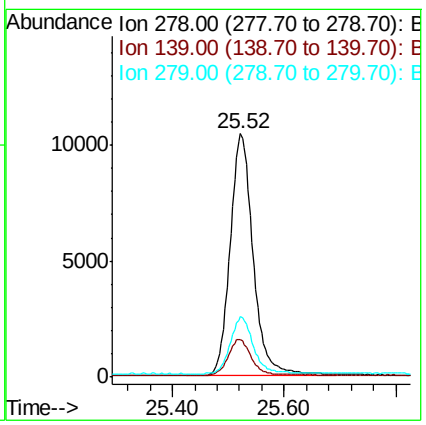


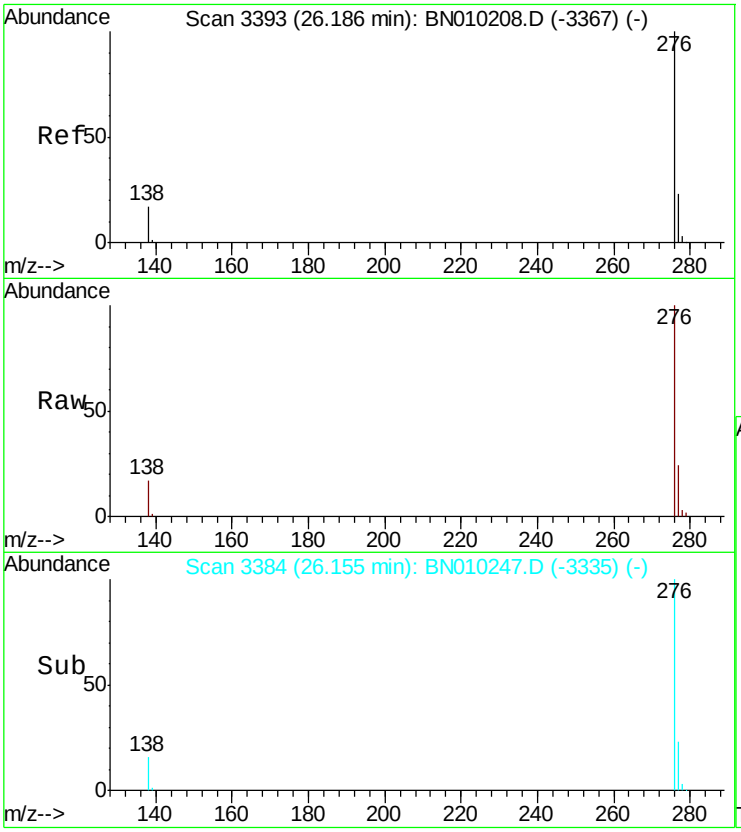


#38
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 25.52 min Scan# 3199
Delta R.T. -0.03 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Tgt Ion:278 Resp: 29920

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.4	18.6
279	25.1	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.385 ng
RT: 26.15 min Scan# 3384
Delta R.T. -0.03 min
Lab File: BN010247.D
Acq: 18 Mar 2020 02:48

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 28338

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	16.8	15.4	23.2