Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061020\
Data File : BN010819.D
Acq On : 10 Jun 2020 15:20
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : ICVBN061020

Quant Time: Jun 10 16:06:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 15:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2218	0.40	ng		0.00
7) Naphthalene-d8	10.30	136	7364	0.40	ng		0.00
13) Acenaphthene-d10	14.18	164	3857	0.40	ng		0.00
19) Phenanthrene-d10	16.92	188	8047	0.40	ng		-0.01
27) Chrysene-d12	21.13	240	6875	0.40	ng		0.00
34) Perylene-d12	23.29	264	6684	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.20	112	1851	0.43	ng		0.00
5) Phenol-d6	6.74	99	2100	0.42	ng		0.00
8) Nitrobenzene-d5	8.69	82	2227	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	11.90	152	4744	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.68	330	538	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.80	172	6608	0.43	ng		0.00
25) Fluoranthene-d10	18.96	212	8954	0.40	ng		0.00
29) Terphenyl-d14	19.58	244	6977	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	947	0.436	ng		98
3) n-Nitrosodimethylamine	3.56	42	507	0.401	ng	#	94
6) bis(2-Chloroethyl)ether	7.00	93	2066	0.420	ng		96
9) Naphthalene	10.35	128	7825	0.423	ng		99
10) Hexachlorobutadiene	10.65	225	1921	0.420	ng	#	99
12) 2-Methylnaphthalene	11.98	142	5056	0.408	ng		98
16) Acenaphthylene	13.89	152	6476	0.410	ng		100
17) Acenaphthene	14.24	154	4551	0.422	ng		99
18) Fluorene	15.23	166	5684	0.409	ng		98
20) 4-Bromophenyl-phenylether	16.14	248	1920	0.397	ng		98
21) Hexachlorobenzene	16.24	284	2075	0.411	ng		97
22) Pentachlorophenol	16.59	266	622	0.367	ng		97
23) Phenanthrene	16.96	178	9045	0.412	ng		99
24) Anthracene	17.06	178	7249	0.395	ng		100
26) Fluoranthene	18.99	202	9938	0.398	ng		100
28) Pyrene	19.36	202	9892	0.435	ng		100
30) Benzo(a)anthracene	21.12	228	8019	0.397	ng		99
31) Chrysene	21.17	228	10449	0.444	ng		98
32) Bis(2-ethylhexyl)phthalate	21.08	149	2874	0.427	ng		96
33) Indeno(1,2,3-cd)pyrene	25.40	276	10946	0.416	ng		98
35) Benzo(b)fluoranthene	22.65	252	9241	0.407	ng		99
36) Benzo(k)fluoranthene	22.69	252	10278	0.424	ng		99
37) Benzo(a)pyrene	23.19	252	8002	0.410	ng		99
38) Dibenzo(a,h)anthracene	25.42	278	9175	0.413	ng		99
39) Benzo(g,h,i)perylene	26.04	276	9789	0.421	ng		99

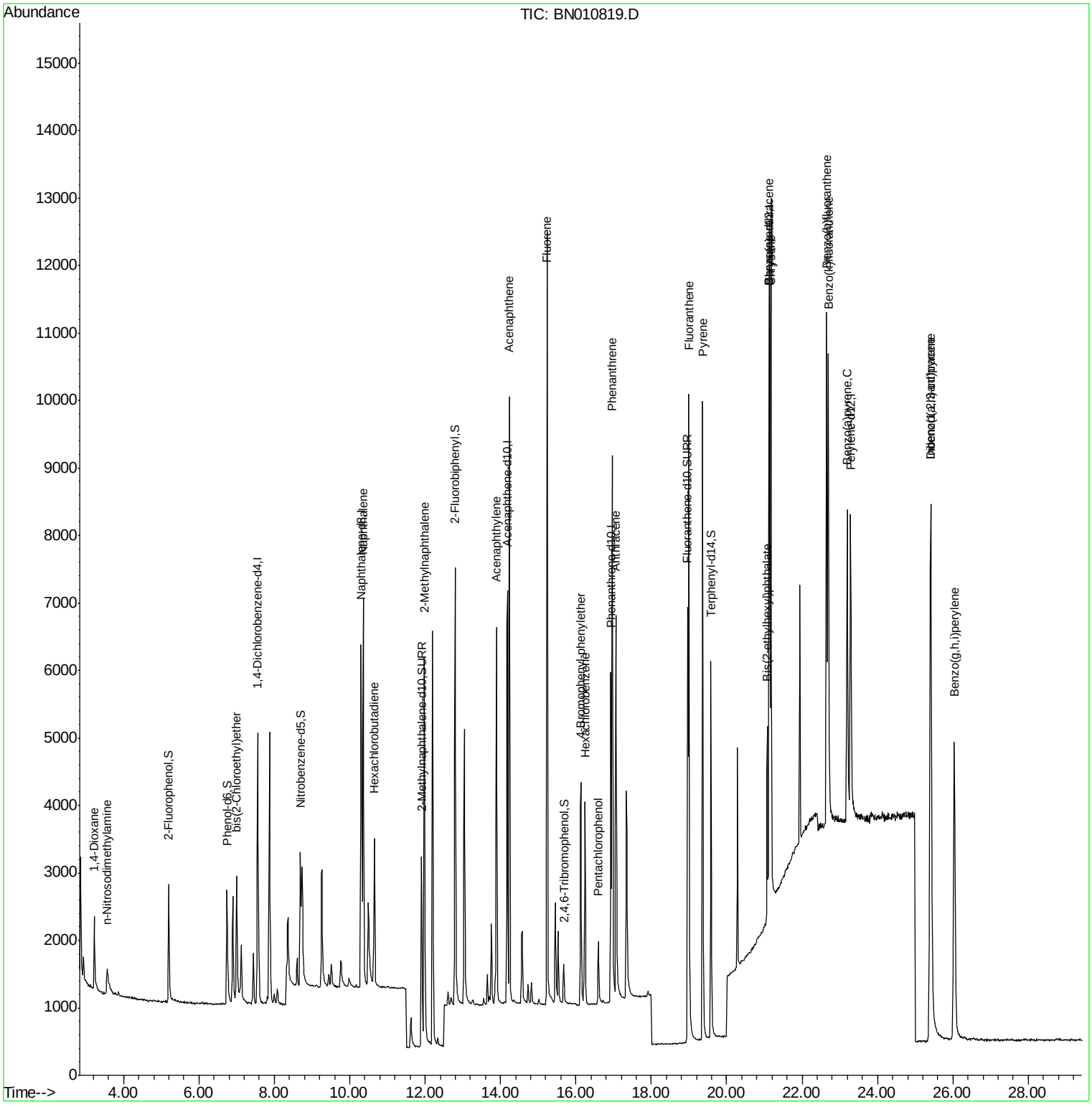
(#) = qualifier out of range (m) = manual integration (+) = signals summed

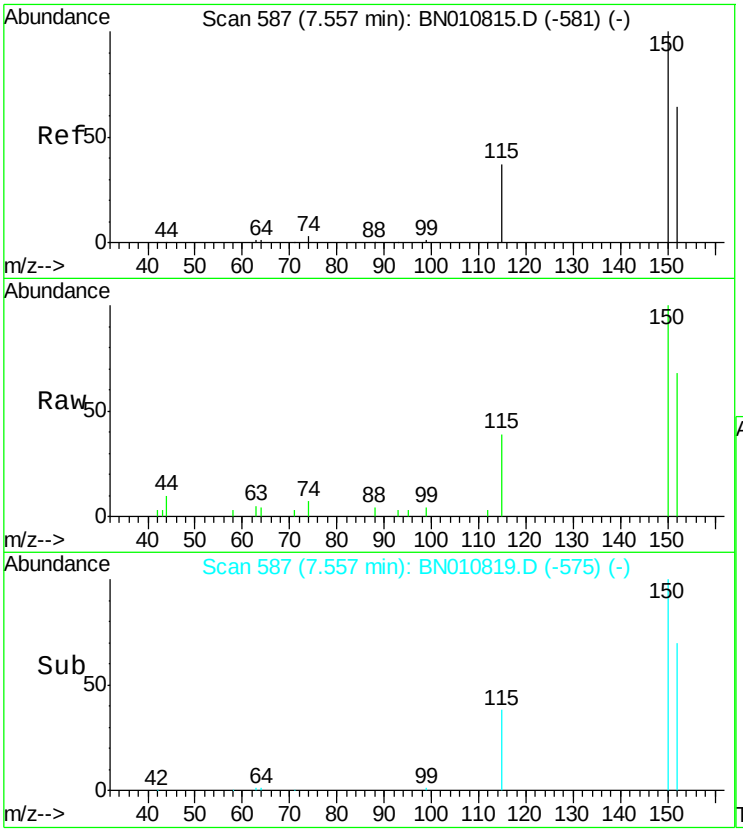
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061020\
Data File : BN010819.D
Acq On : 10 Jun 2020 15:20
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Quant Time: Jun 10 16:06:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 15:14:26 2020
Response via : Initial Calibration



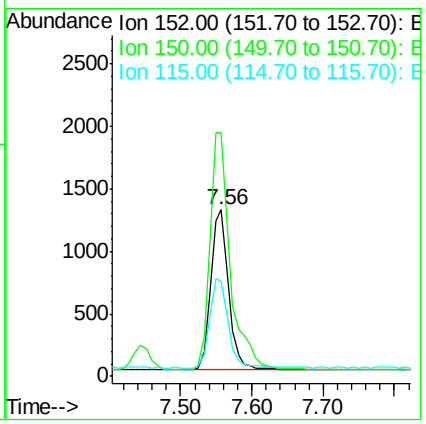


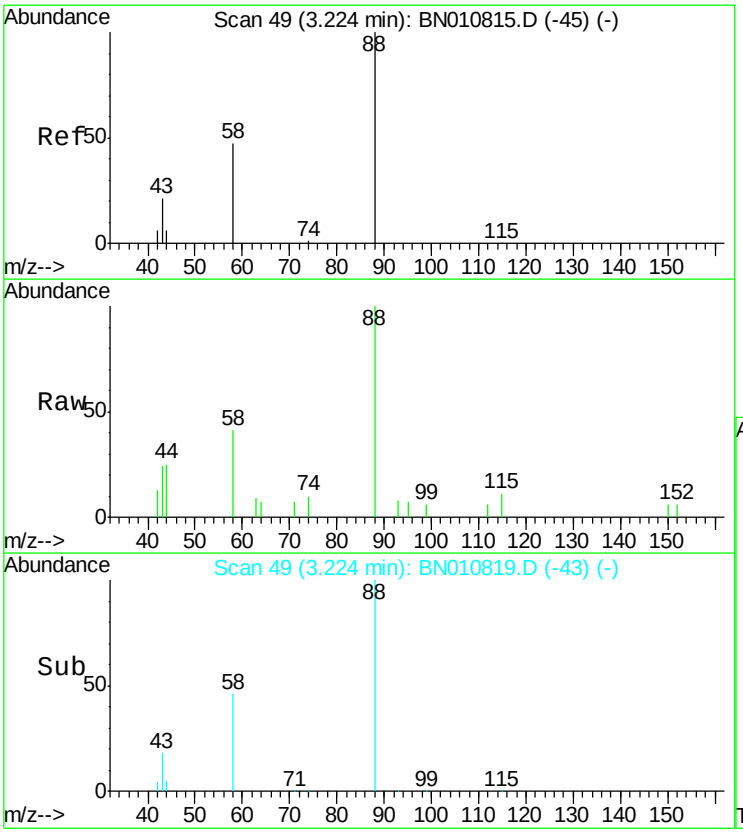
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.56 min Scan# 587
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:152 Resp: 2218

Ion	Ratio	Lower	Upper
152	100		
150	146.2	123.8	185.6
115	57.3	49.2	73.8

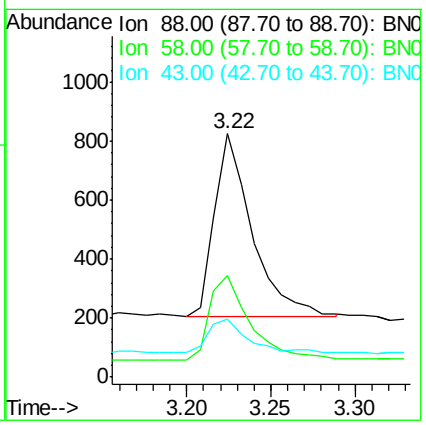


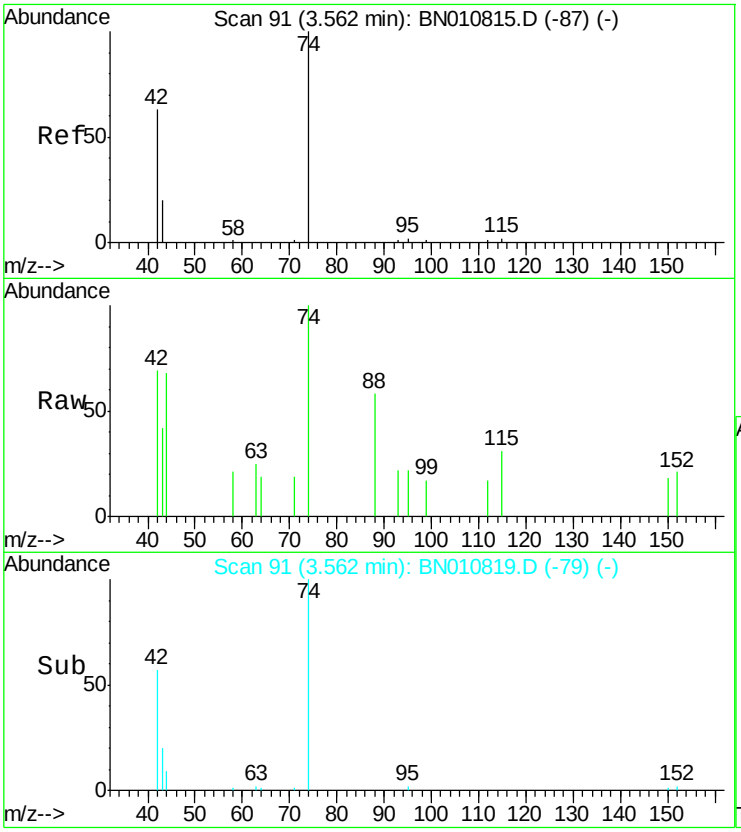


#2
1,4-Dioxane
Concen: 0.436 ng
RT: 3.22 min Scan# 49
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion: 88 Resp: 947

Ion	Ratio	Lower	Upper
88	100		
58	49.4	38.2	57.4
43	19.2	15.1	22.7



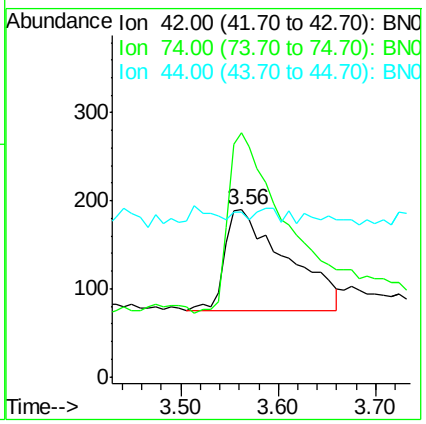


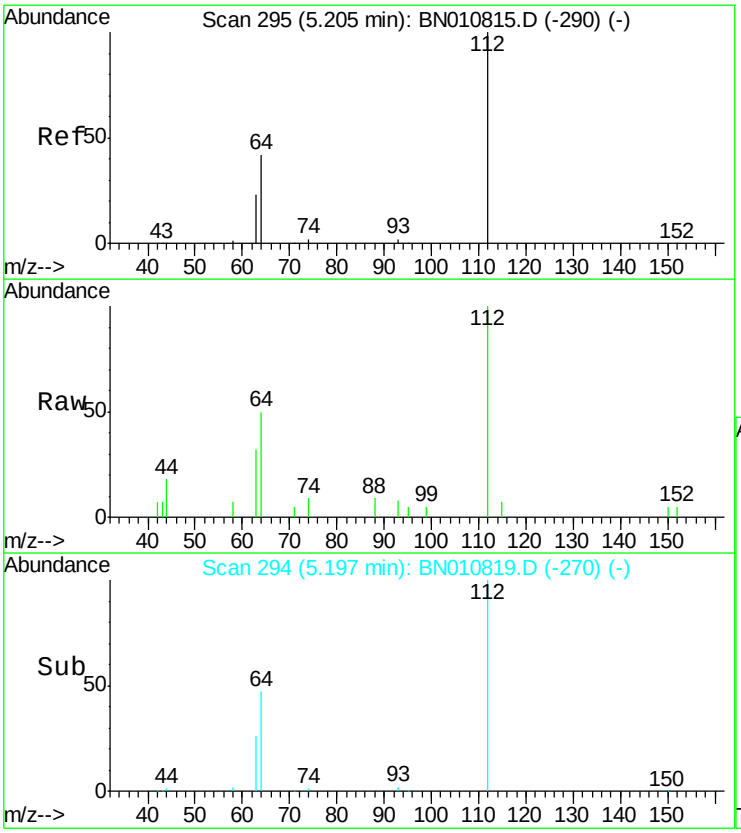
#3
n-Nitrosodimethylamine
Concen: 0.401 ng
RT: 3.56 min Scan# 91
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion: 42 Resp: 507

Ion	Ratio	Lower	Upper
42	100		
74	167.5	140.7	211.1
44	3.0	1.4	2.2#

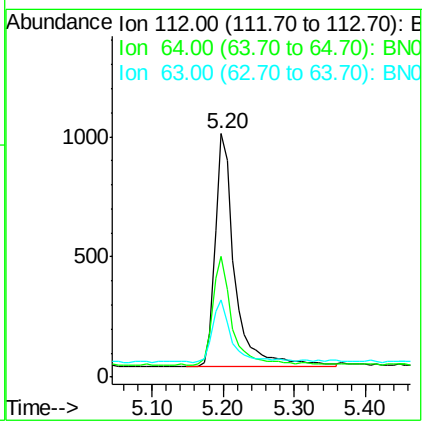


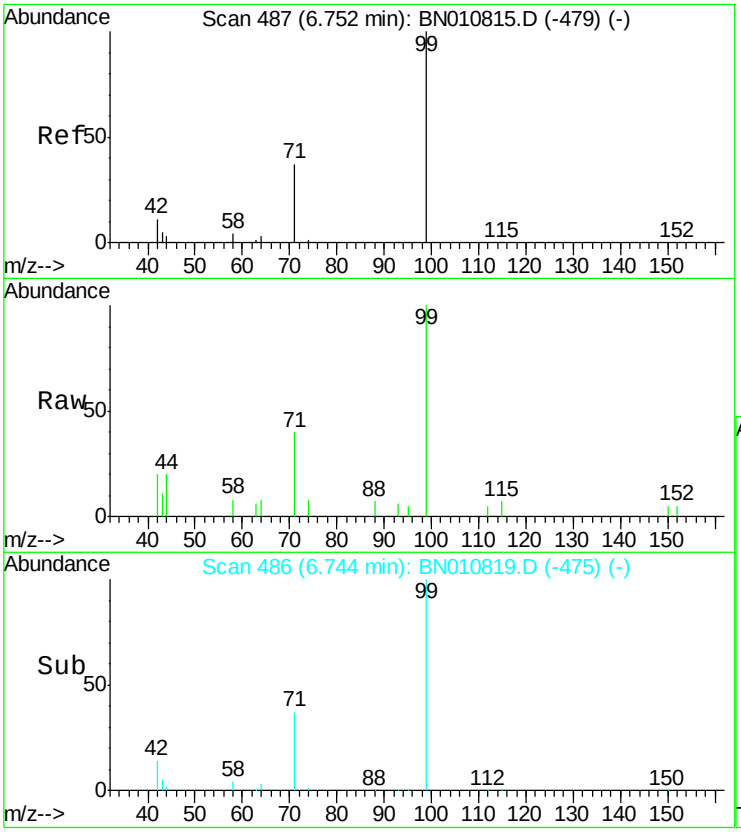


#4
2-Fluorophenol
Concen: 0.432 ng
RT: 5.20 min Scan# 294
Delta R.T. -0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:112 Resp: 1851

Ion	Ratio	Lower	Upper
112	100		
64	44.7	37.4	56.0
63	27.4	22.2	33.4



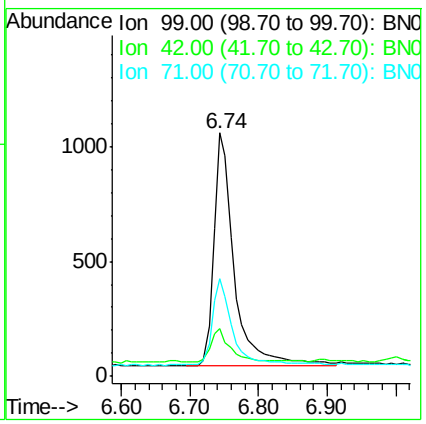


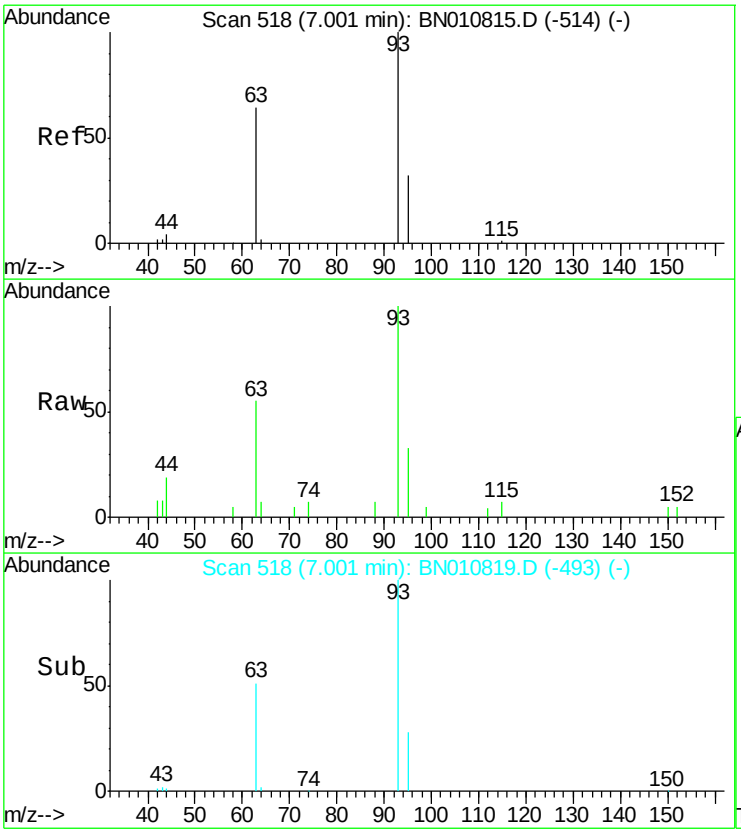
#5
Phenol-d6
Concen: 0.416 ng
RT: 6.74 min Scan# 486
Delta R.T. -0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion: 99 Resp: 2100

Ion	Ratio	Lower	Upper
99	100		
42	13.3	11.1	16.7
71	37.0	31.4	47.2

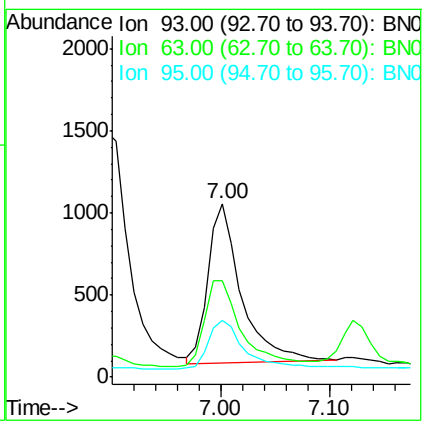


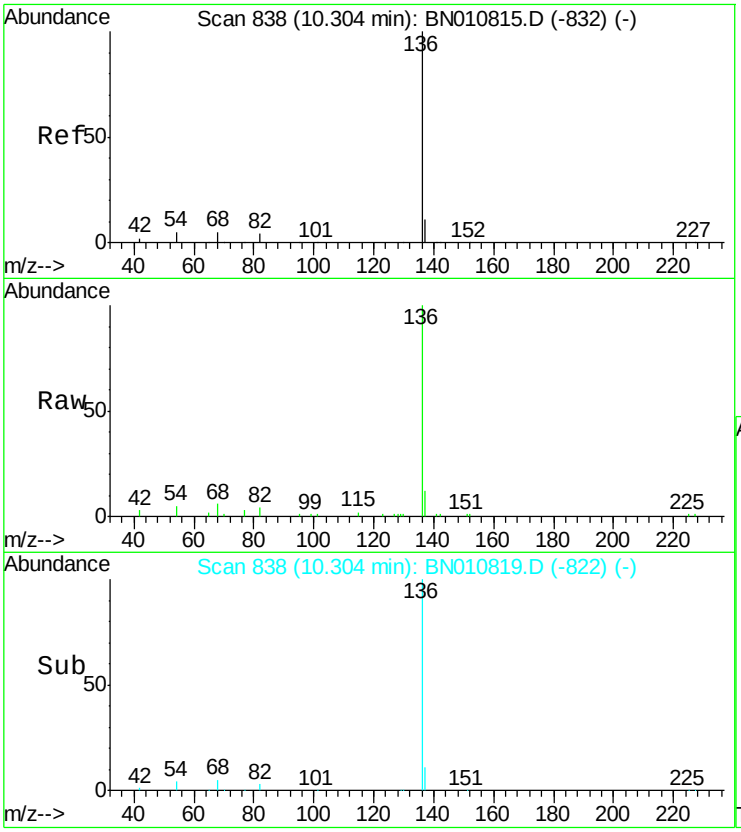


#6
bis(2-Chloroethyl)ether
Concen: 0.420 ng
RT: 7.00 min Scan# 518
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion: 93 Resp: 2066

Ion	Ratio	Lower	Upper
93	100		
63	58.9	49.4	74.2
95	35.6	26.7	40.1



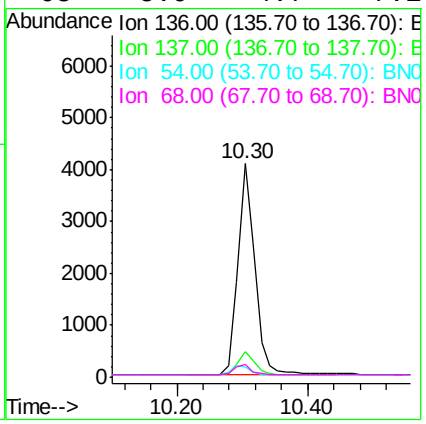


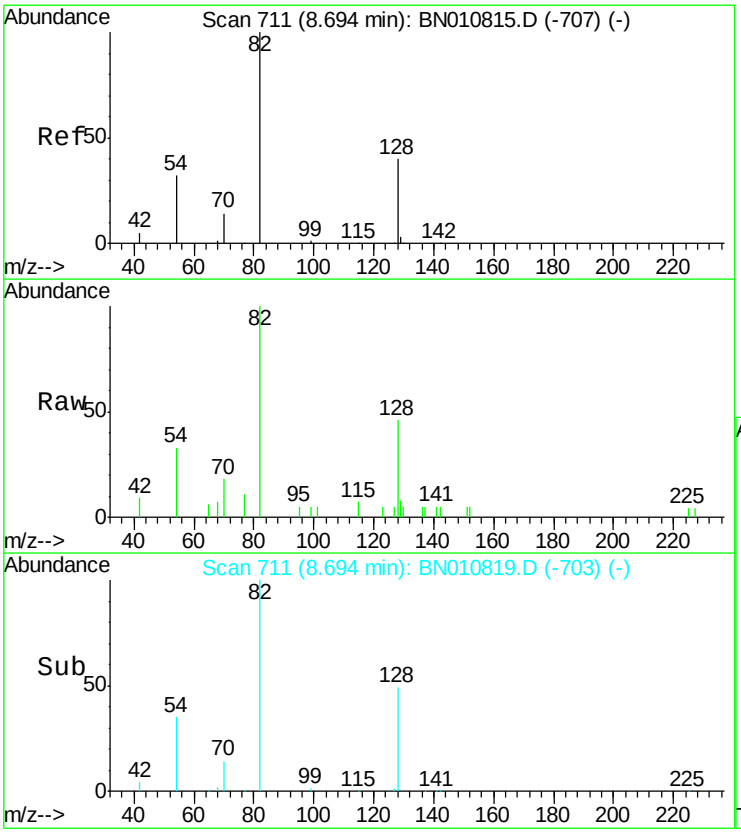
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:136 Resp: 7364

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	5.0	4.9	7.3
68	5.9	4.7	7.1

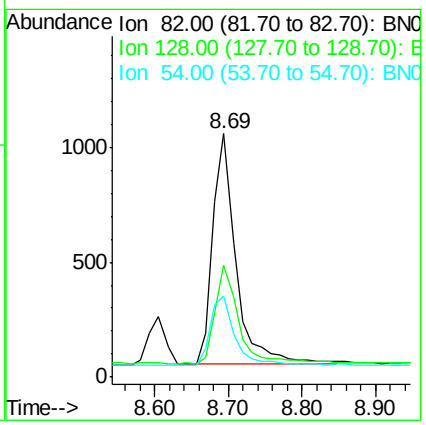


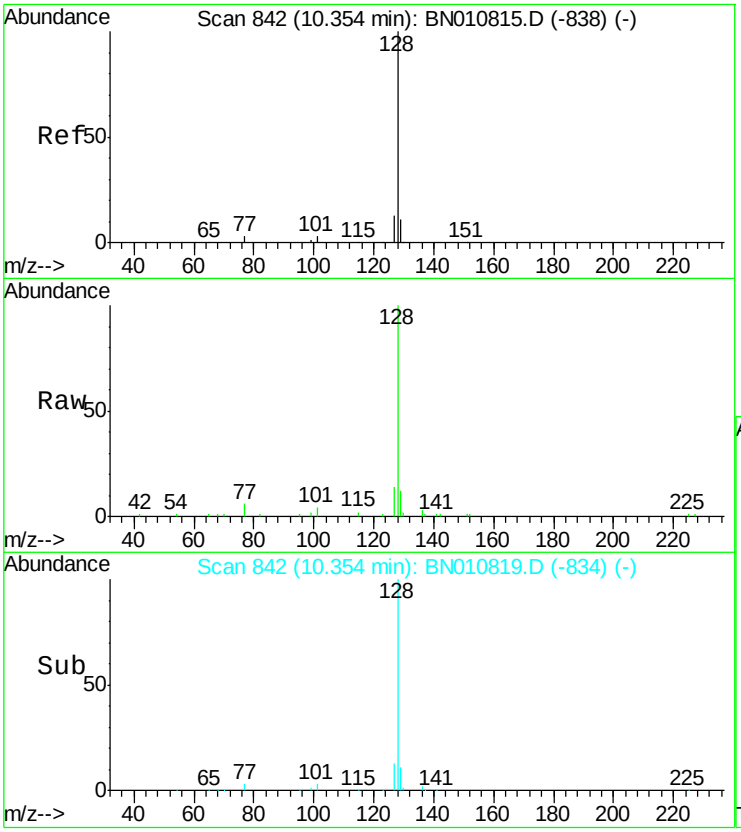


#8
Nitrobenzene-d5
Concen: 0.409 ng
RT: 8.69 min Scan# 711
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion: 82 Resp: 2227

Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.4	53.0
54	33.2	28.2	42.4



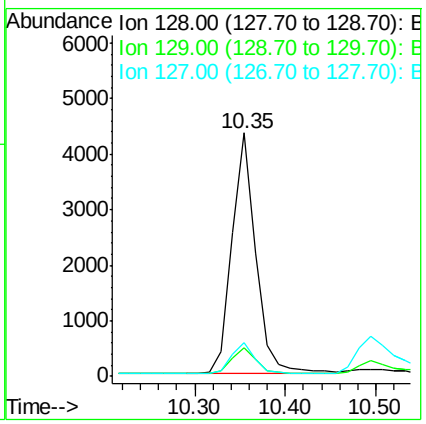


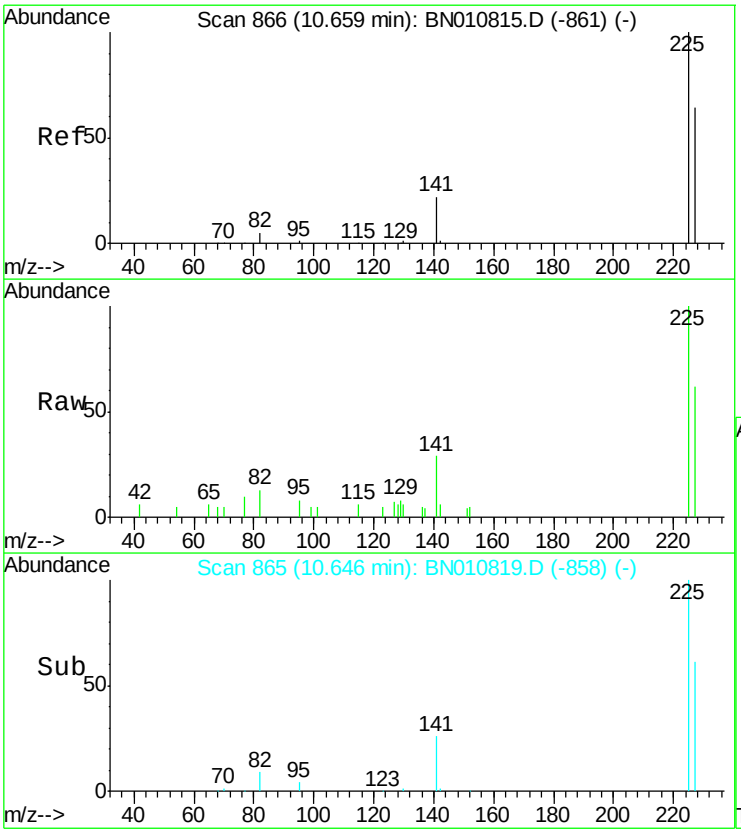
#9
Naphthalene
Concen: 0.423 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:128 Resp: 7825

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.6	14.4
127	13.9	11.4	17.2

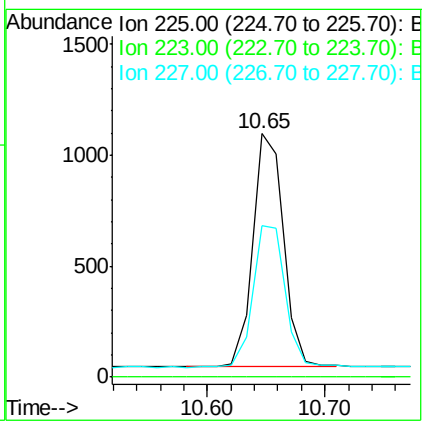


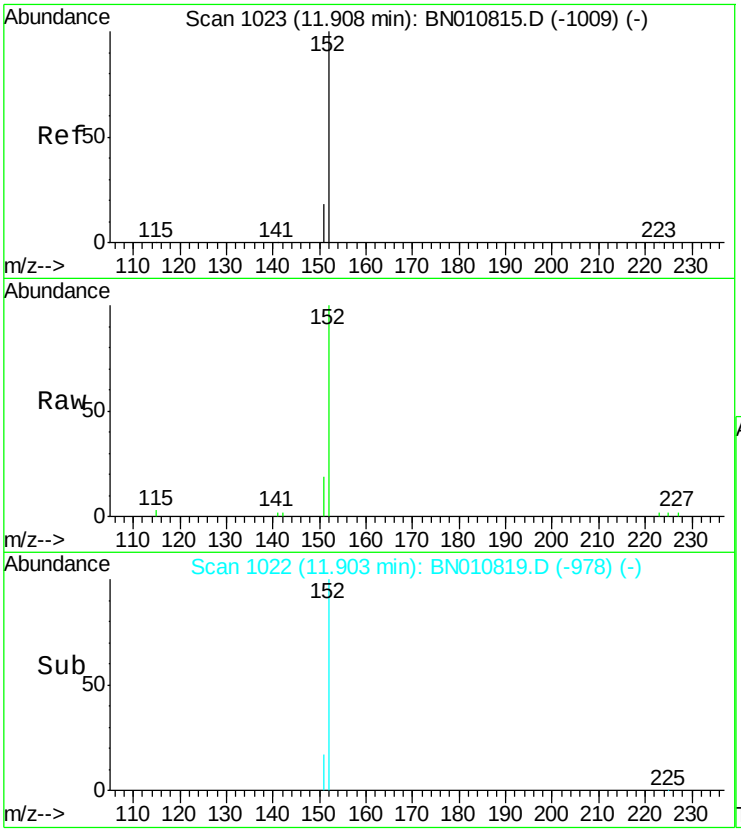


#10
Hexachlorobutadiene
Concen: 0.420 ng
RT: 10.65 min Scan# 865
Delta R.T. -0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:225 Resp: 1921

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.5	75.7



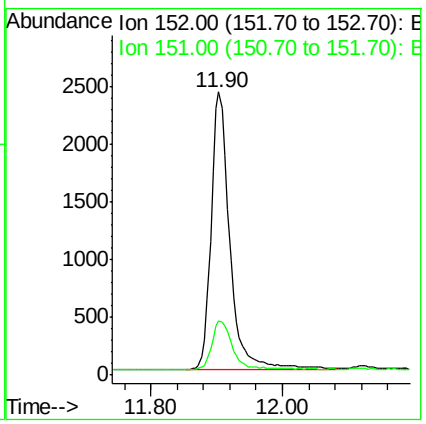


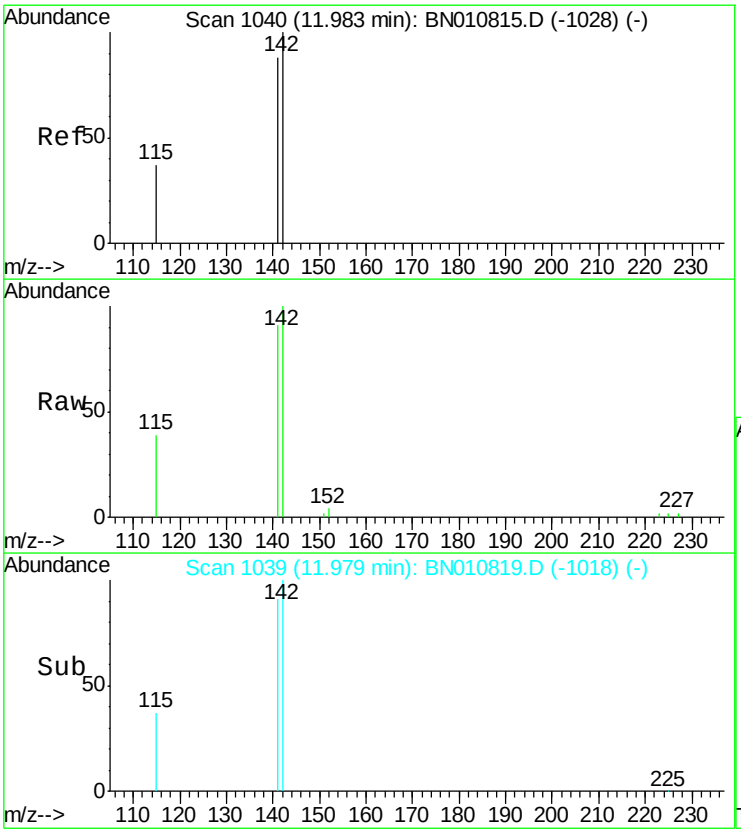
#11
2-Methylnaphthalene-d10
Concen: 0.415 ng
RT: 11.90 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:152 Resp: 4744

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9

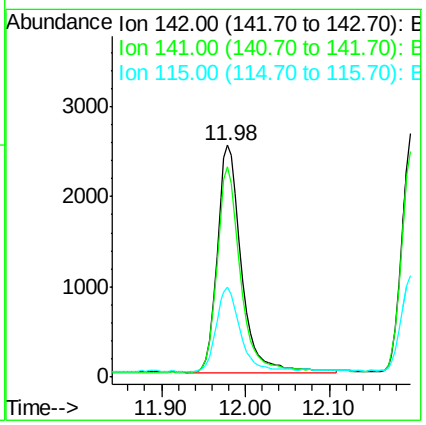


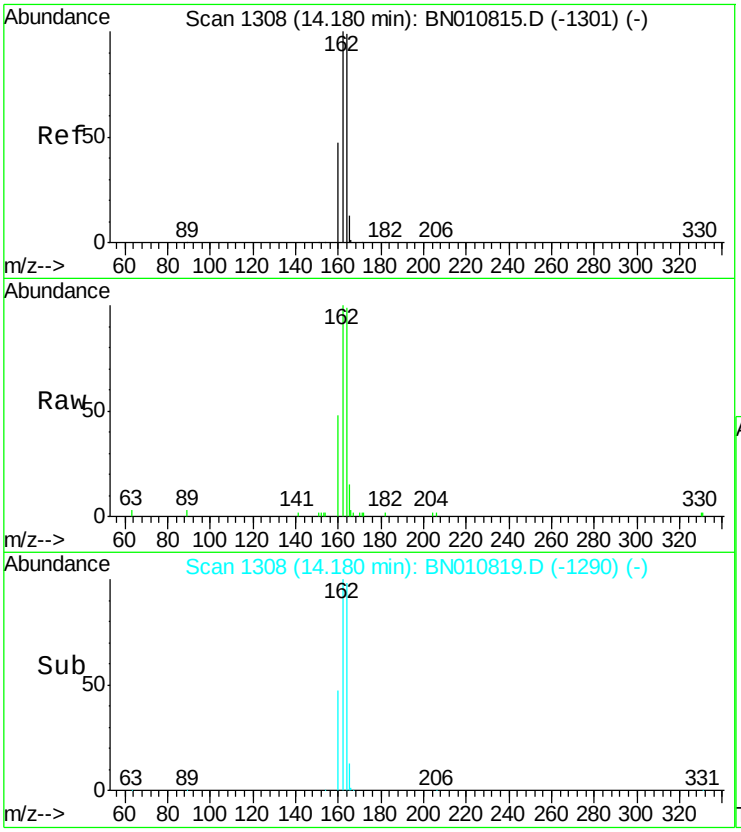


#12
2-Methylnaphthalene
Concen: 0.408 ng
RT: 11.98 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:142 Resp: 5056

Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.8	106.2
115	39.0	31.5	47.3



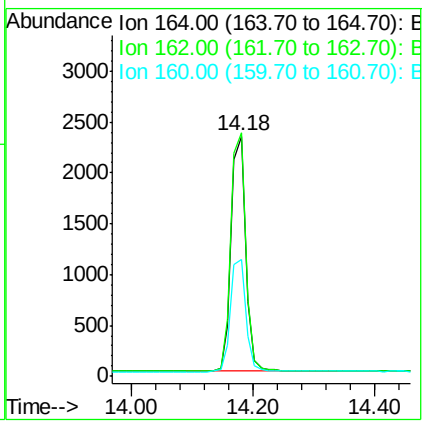


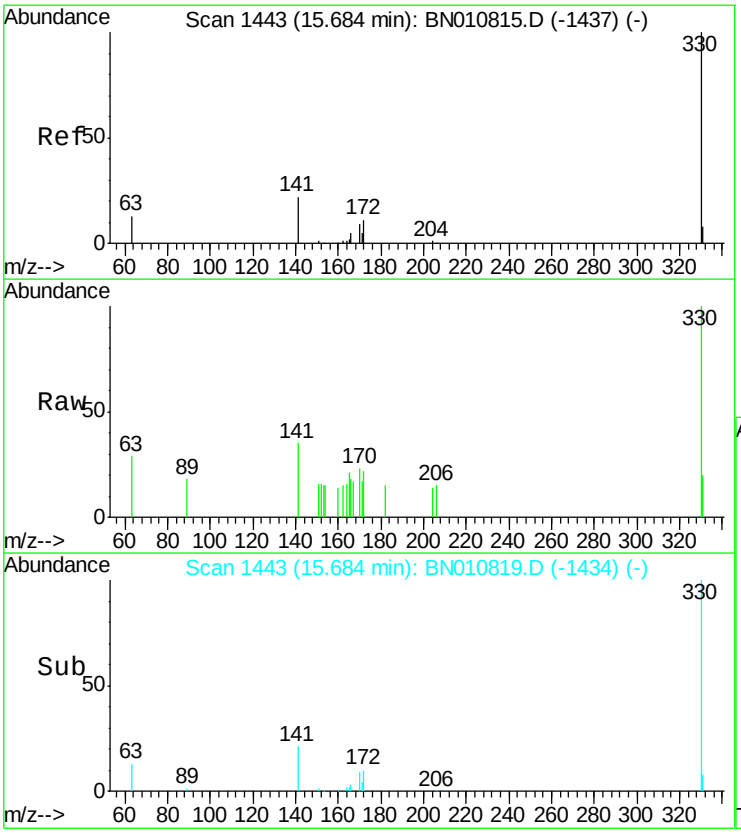
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.18 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:164 Resp: 3857

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.0	121.6
160	48.9	38.9	58.3

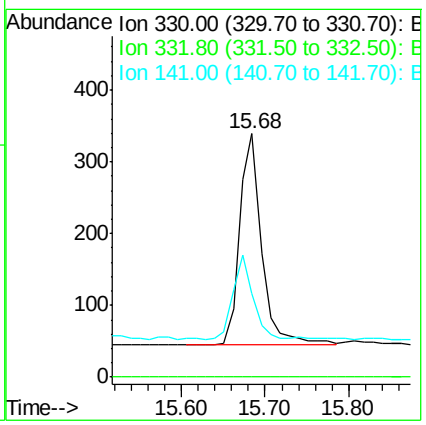


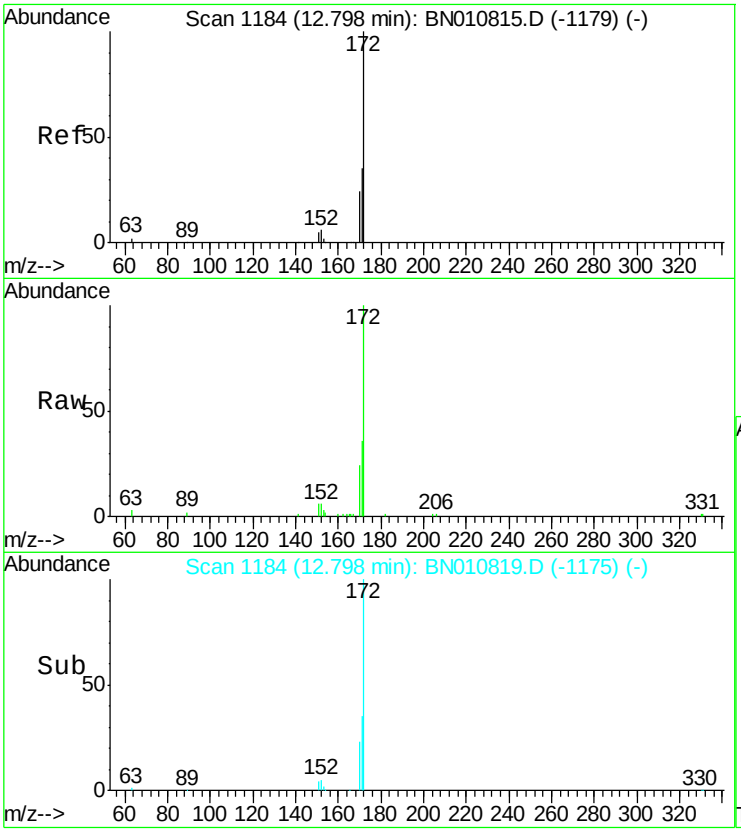


#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.68 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:330 Resp: 538

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.1	33.2	49.8



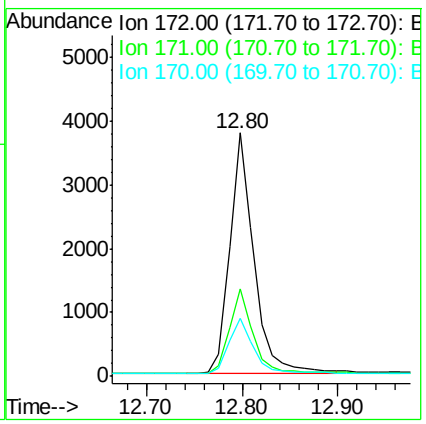


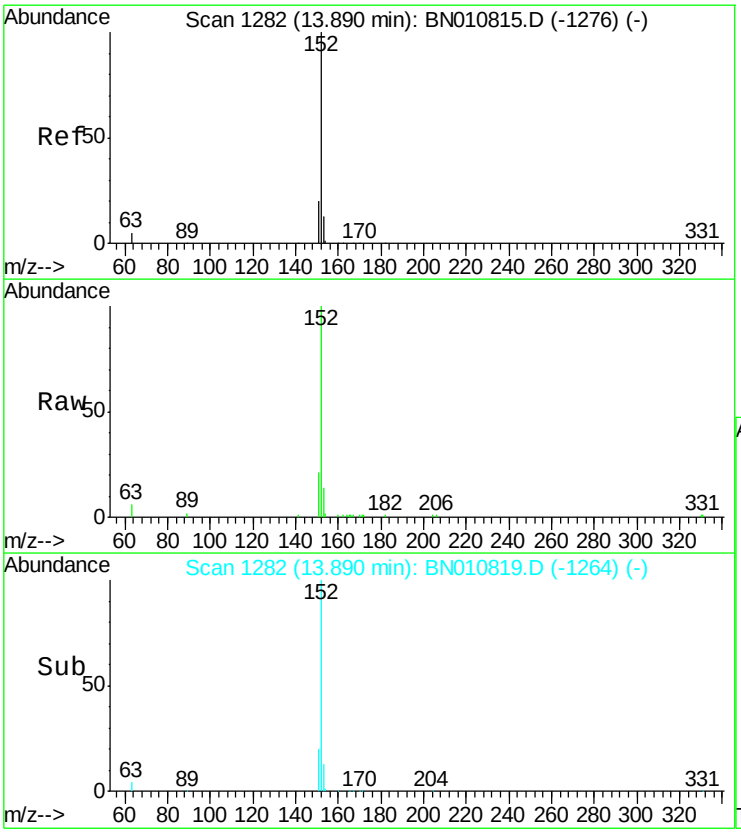
#15
2-Fluorobiphenyl
Concen: 0.434 ng
RT: 12.80 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:172 Resp: 6608

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	24.0	19.7	29.5

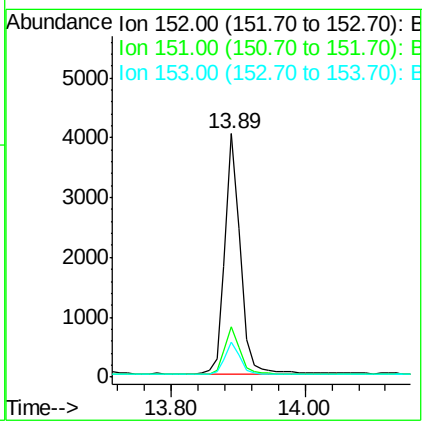


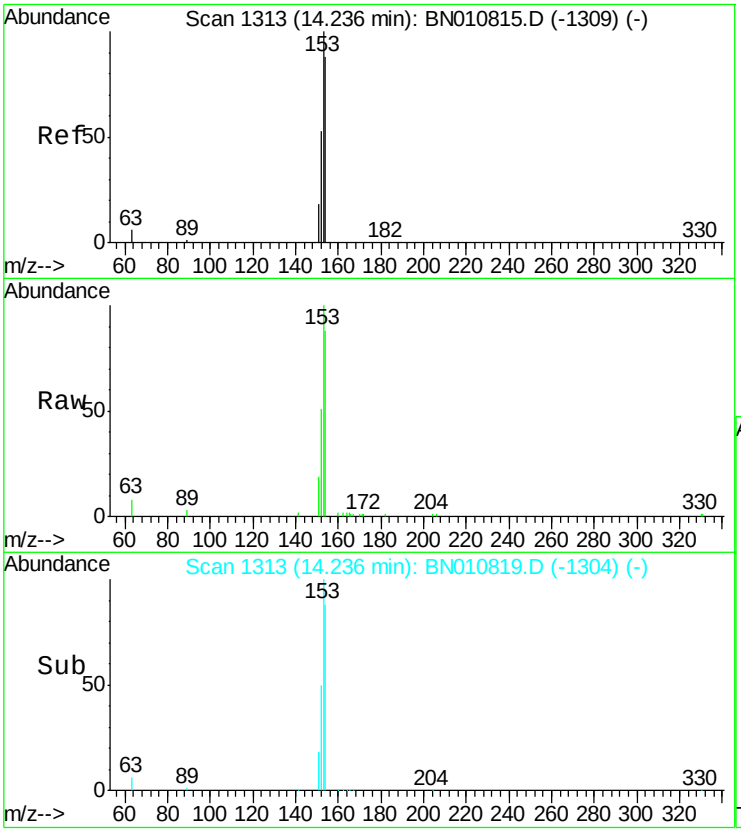


#16
Acenaphthylene
Concen: 0.410 ng
RT: 13.89 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:152 Resp: 6476

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.1	10.6	16.0



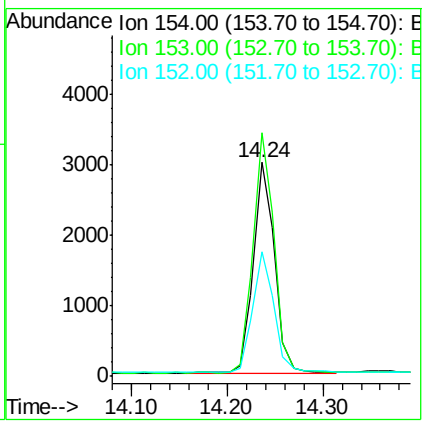


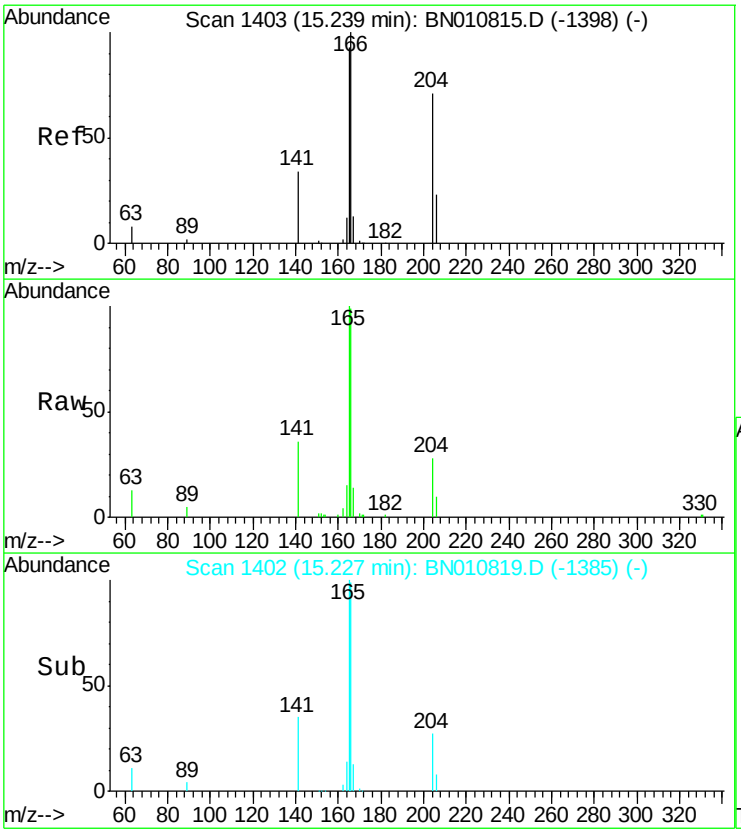
#17
Acenaphthene
Concen: 0.422 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:154 Resp: 4551

Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.8	137.6
152	58.1	47.6	71.4

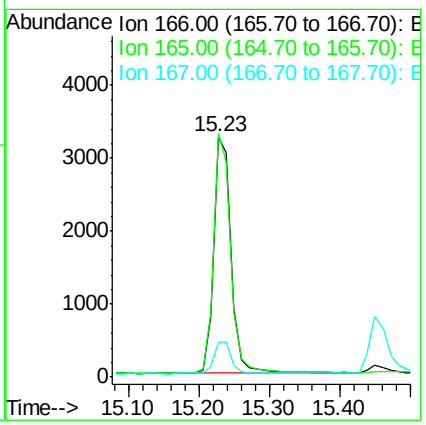


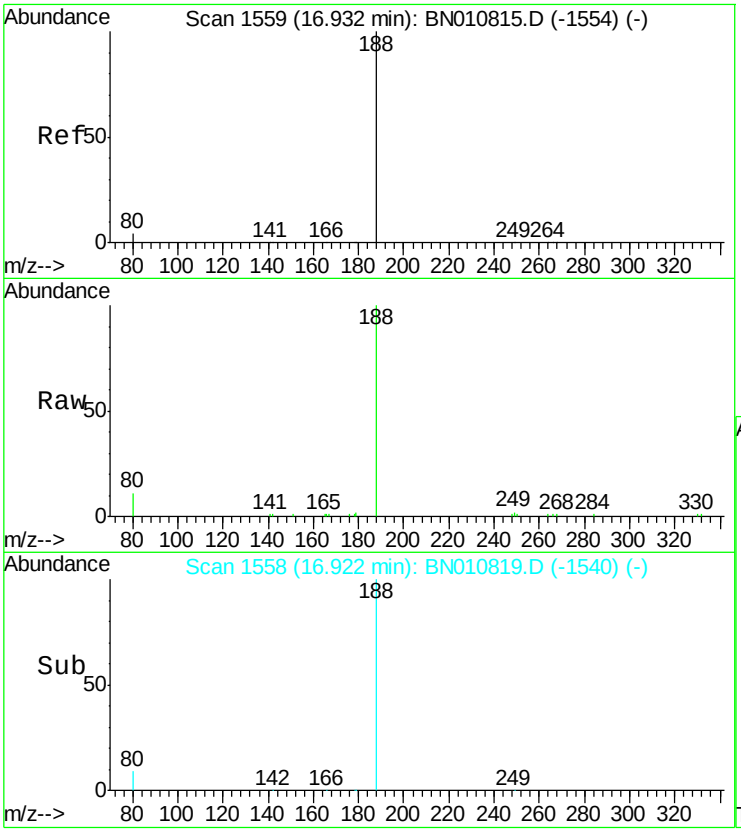


#18
Fluorene
Concen: 0.409 ng
RT: 15.23 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:166 Resp: 5684

Ion	Ratio	Lower	Upper
166	100		
165	98.5	77.2	115.8
167	13.5	10.7	16.1



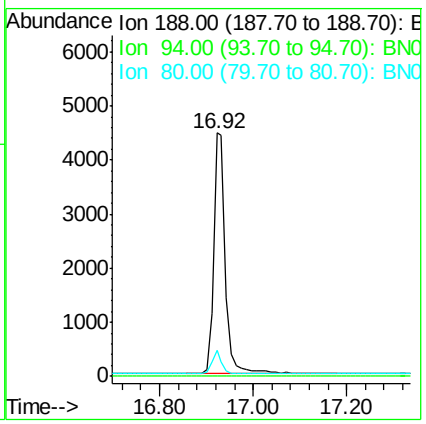


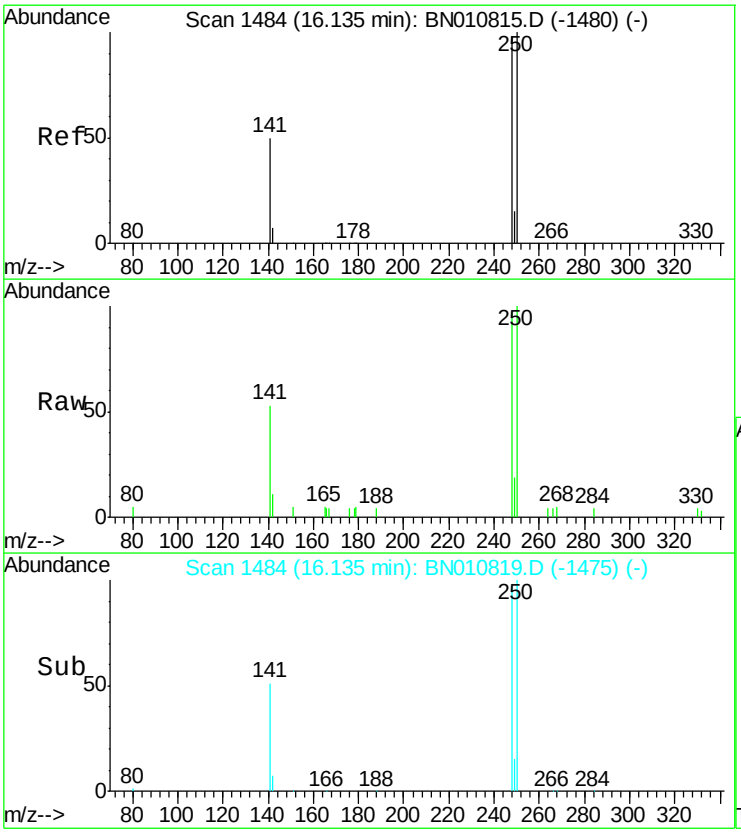
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:188 Resp: 8047

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	4.5	6.7#

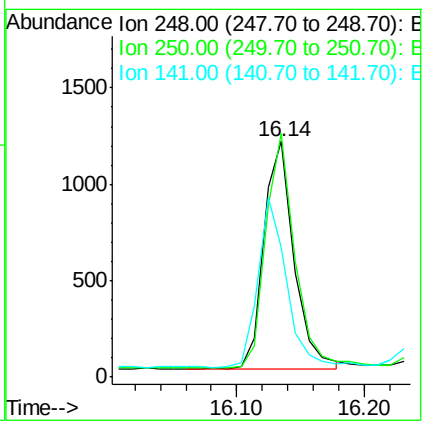


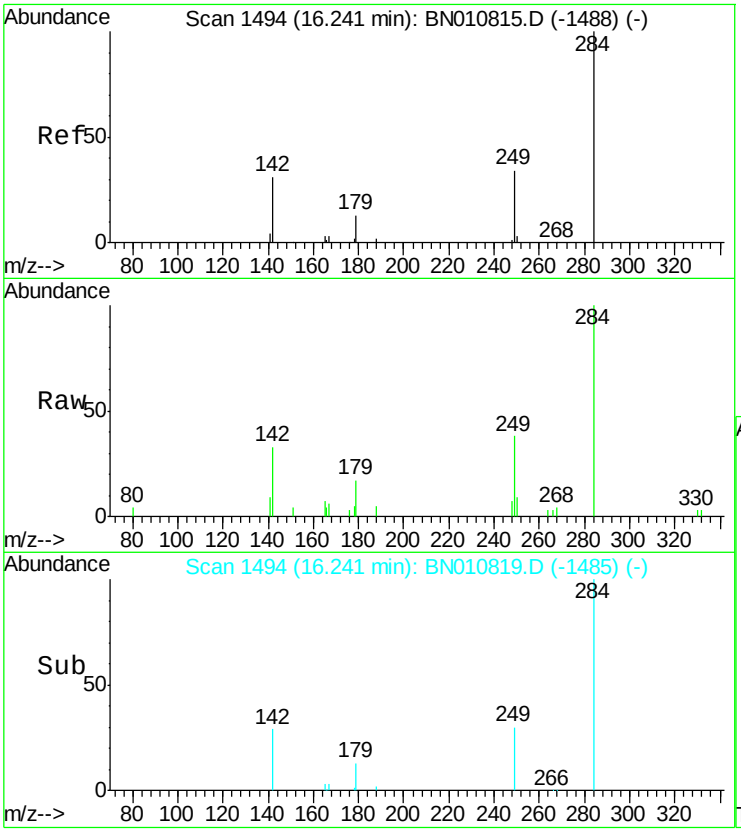


#20
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.14 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:248 Resp: 1920

Ion	Ratio	Lower	Upper
248	100		
250	103.4	81.8	122.8
141	55.2	42.6	64.0



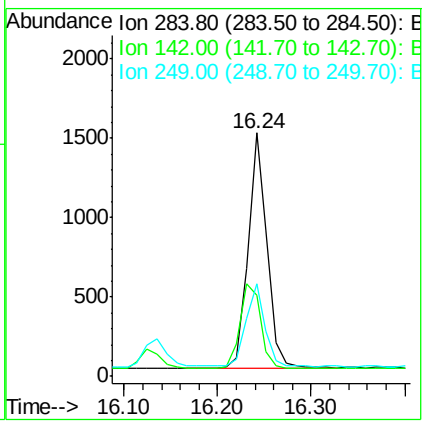


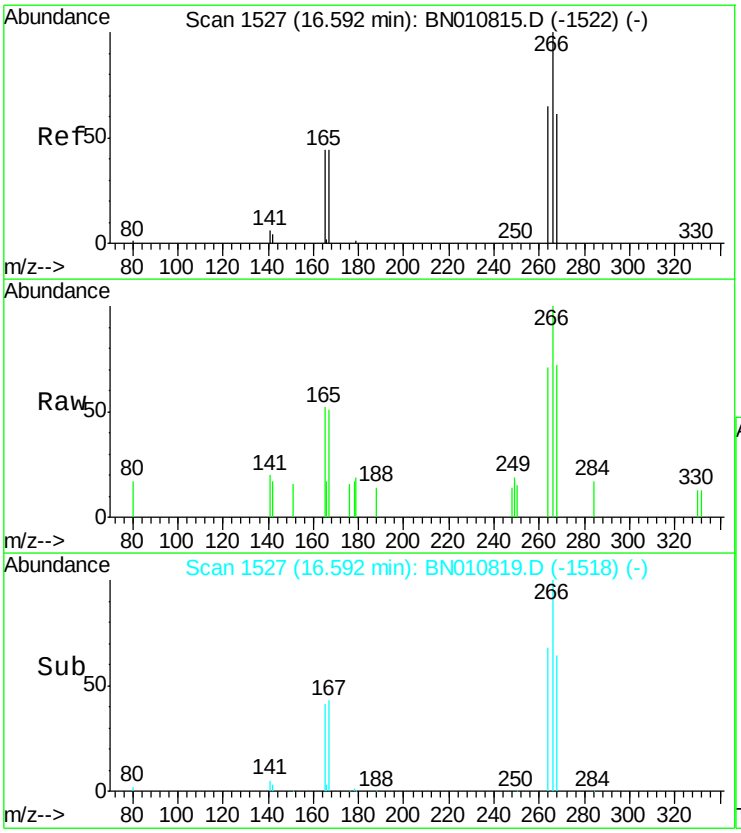
#21
Hexachlorobenzene
Concen: 0.411 ng
RT: 16.24 min Scan# 1494
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:284 Resp: 2075

Ion	Ratio	Lower	Upper
284	100		
142	40.5	31.0	46.4
249	35.6	27.1	40.7

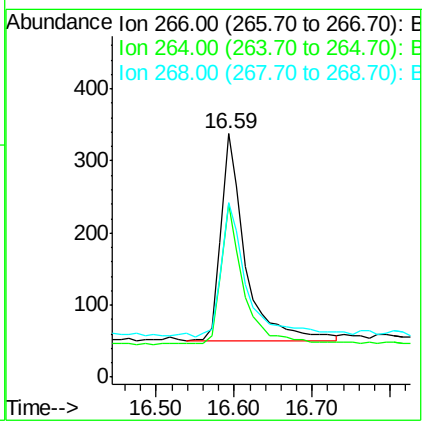


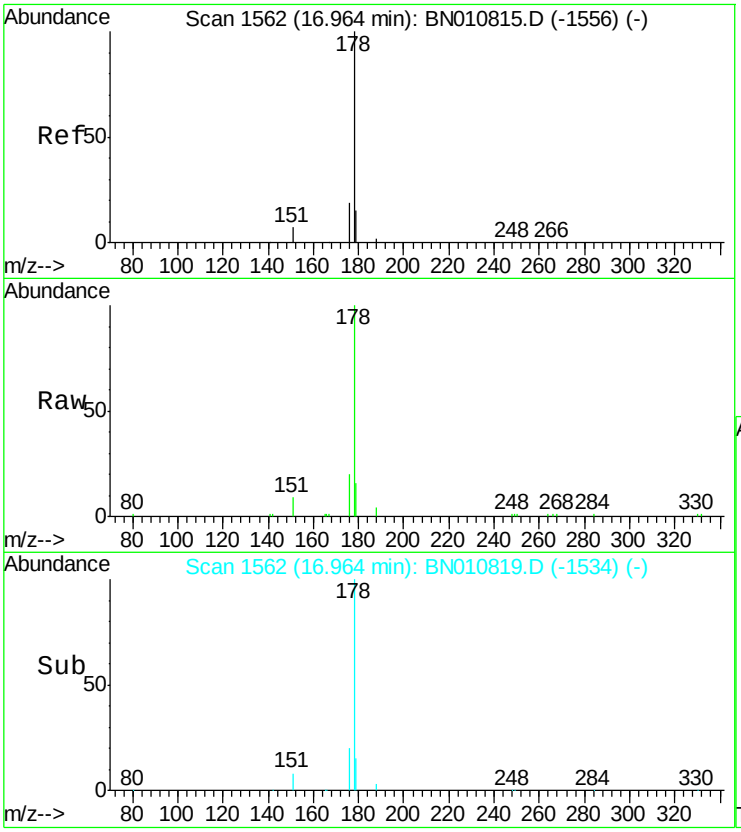


#22
Pentachlorophenol
Concen: 0.367 ng
RT: 16.59 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:266 Resp: 622

Ion	Ratio	Lower	Upper
266	100		
264	71.0	54.8	82.2
268	71.6	55.9	83.9



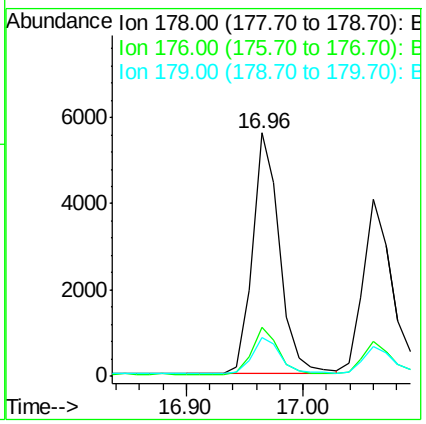


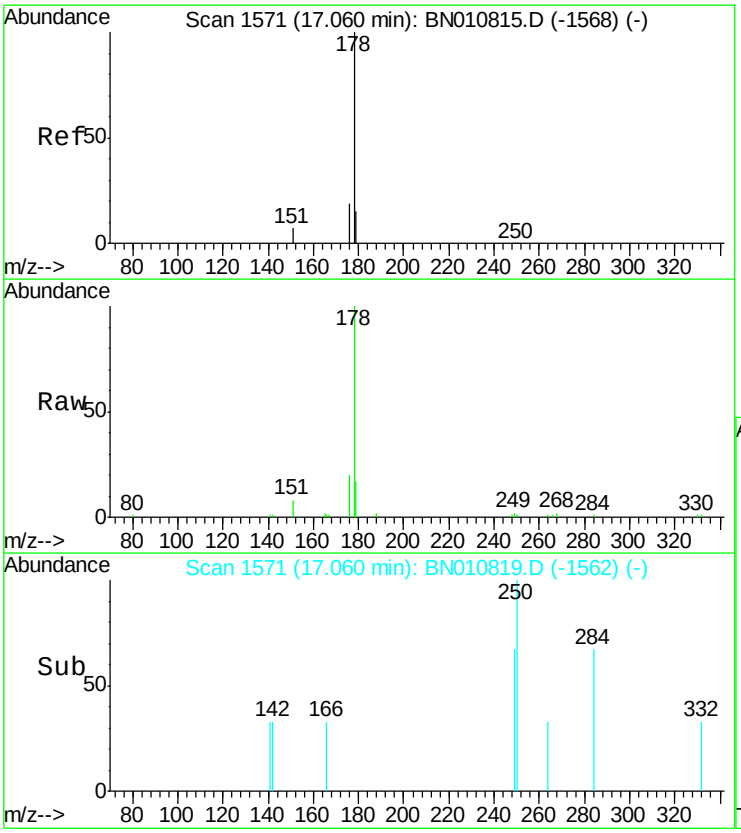
#23
Phenanthrene
Concen: 0.412 ng
RT: 16.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:178 Resp: 9045

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.3	12.6	19.0

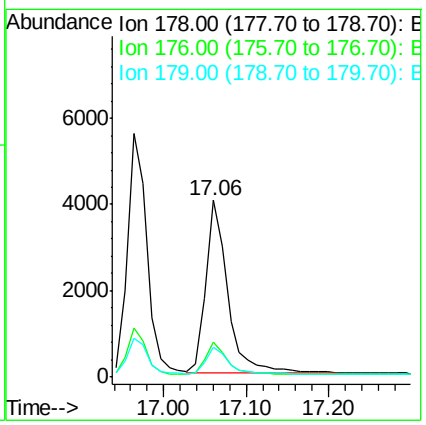


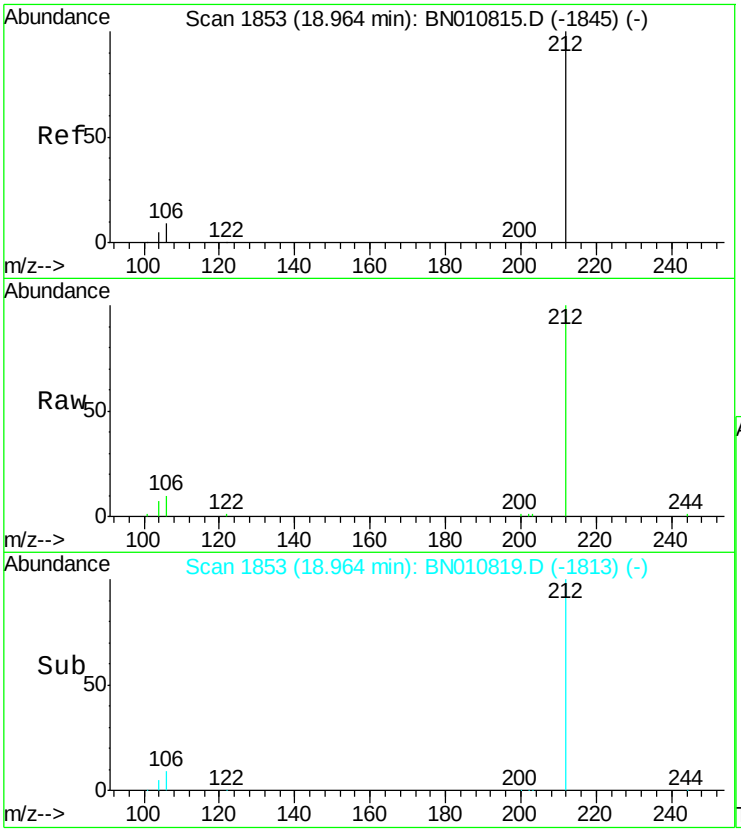


#24
Anthracene
Concen: 0.395 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:178 Resp: 7249

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.6	12.3	18.5



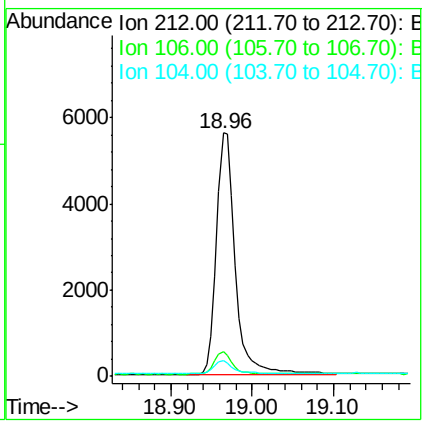


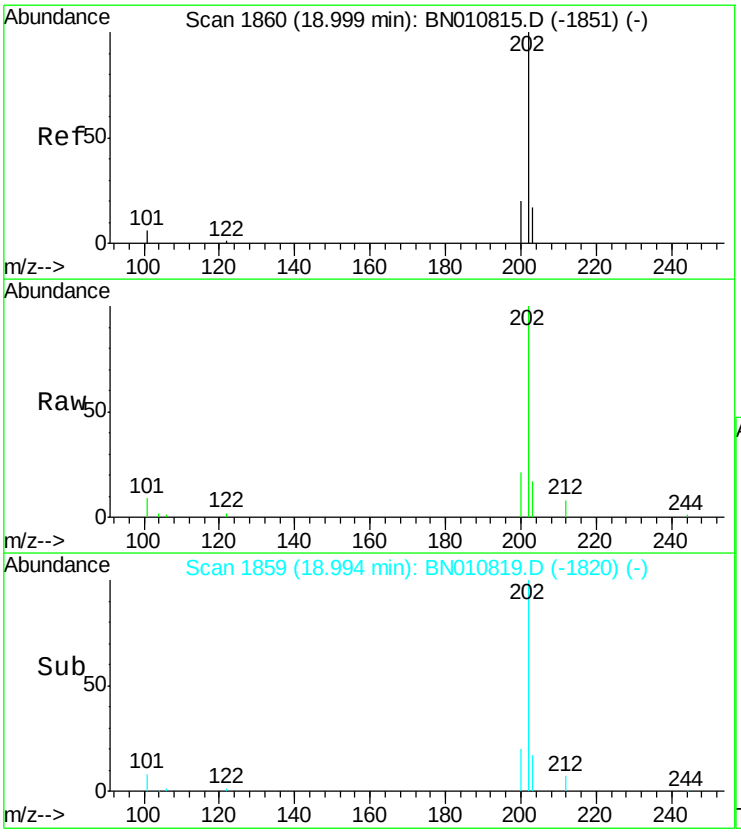
#25
Fluoranthene-d10
Concen: 0.403 ng
RT: 18.96 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:212 Resp: 8954

Ion	Ratio	Lower	Upper
212	100		
106	8.9	6.6	10.0
104	5.1	4.0	6.0

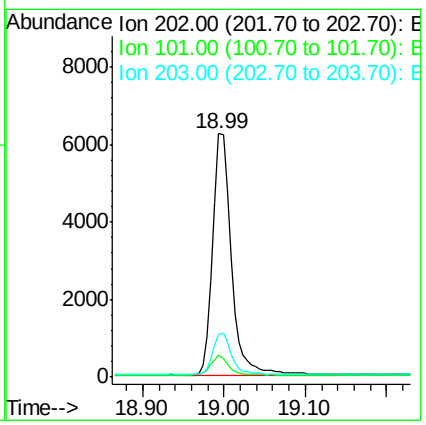


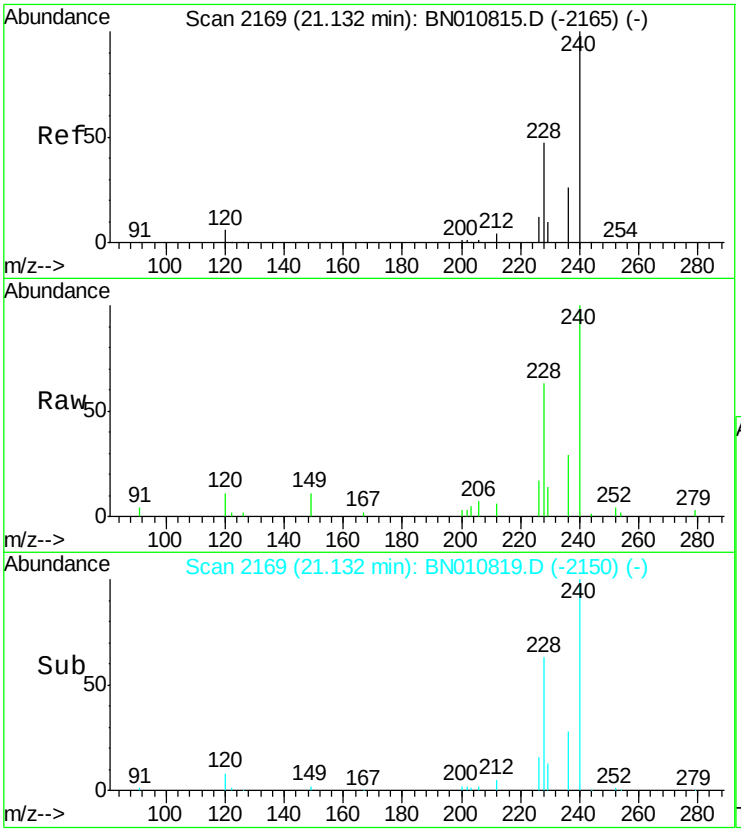


#26
Fluoranthene
Concen: 0.398 ng
RT: 18.99 min Scan# 1859
Delta R.T. -0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:202 Resp: 9938

Ion	Ratio	Lower	Upper
202	100		
101	7.6	5.8	8.6
203	17.1	13.7	20.5



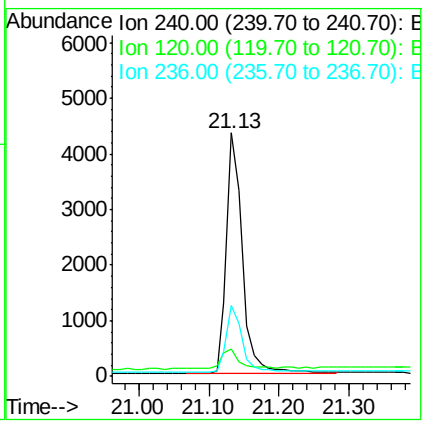


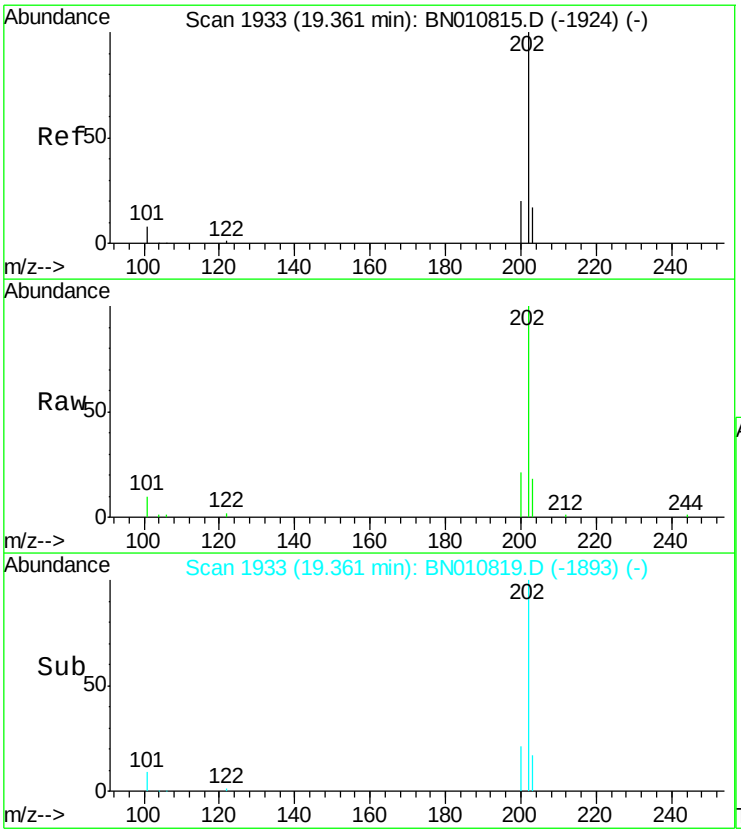
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:240 Resp: 6875

Ion	Ratio	Lower	Upper
240	100		
120	11.1	7.5	11.3
236	29.1	22.3	33.5

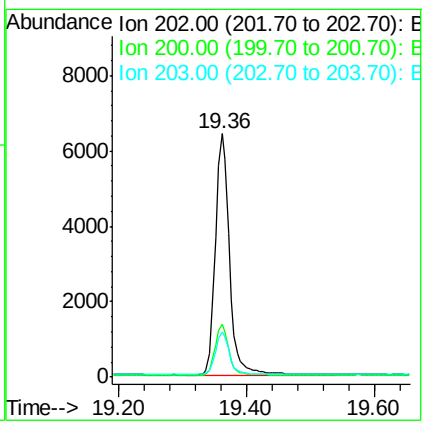


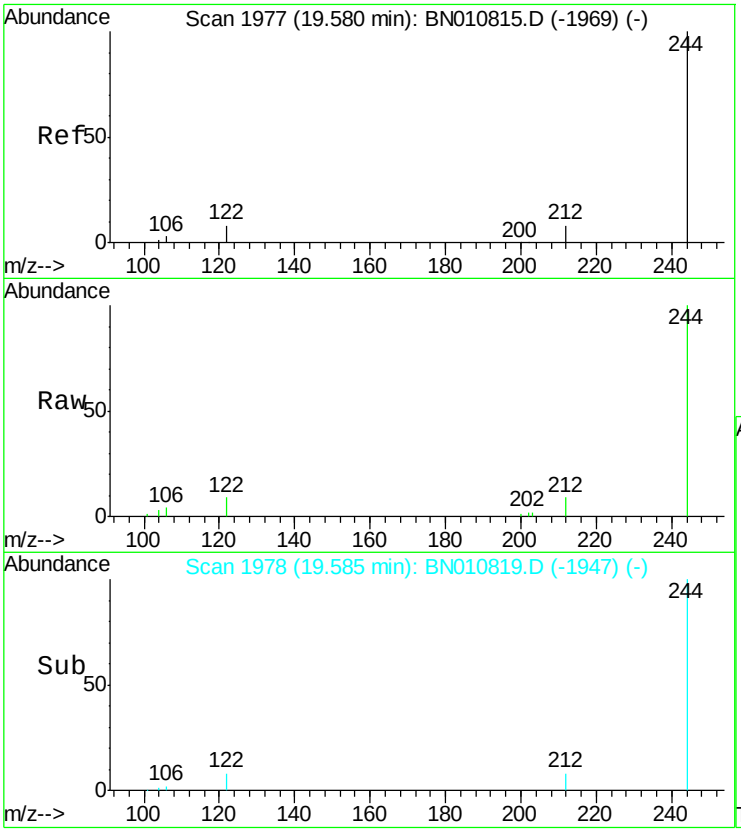


#28
Pyrene
Concen: 0.435 ng
RT: 19.36 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:202 Resp: 9892

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.4	14.2	21.4



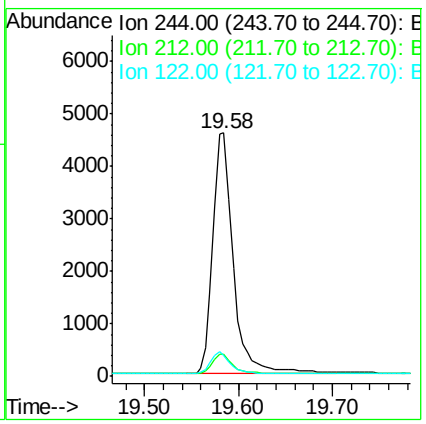


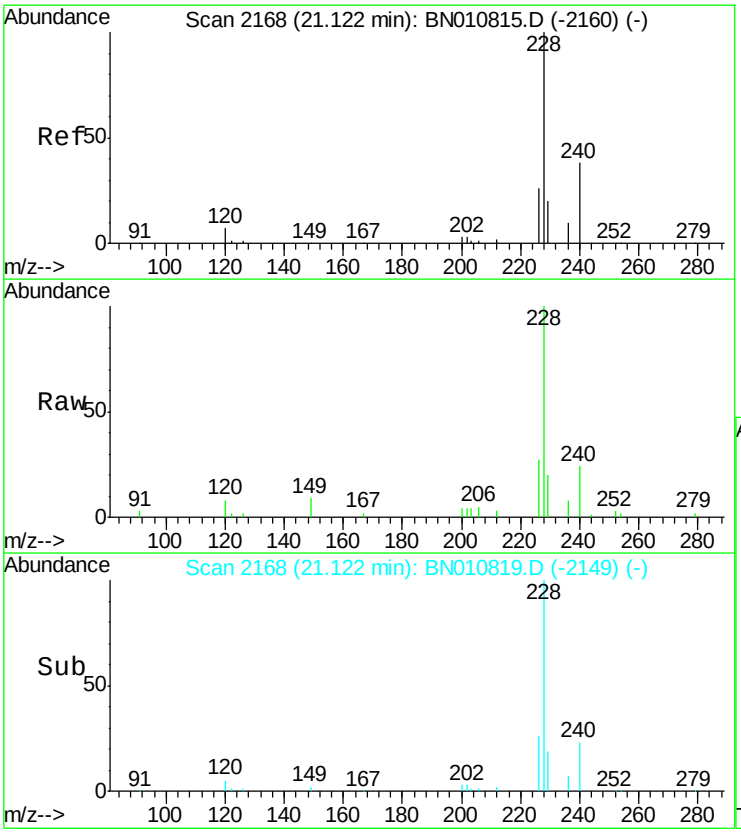
#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.58 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:244 Resp: 6977

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.4	11.2
122	8.7	7.5	11.3

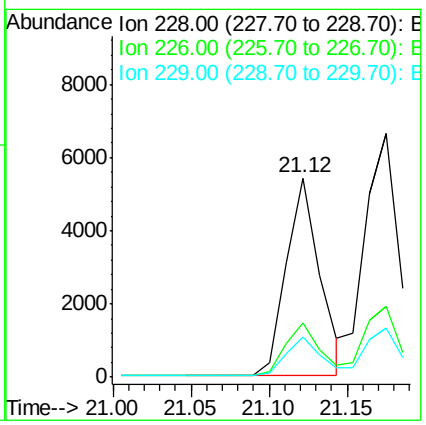


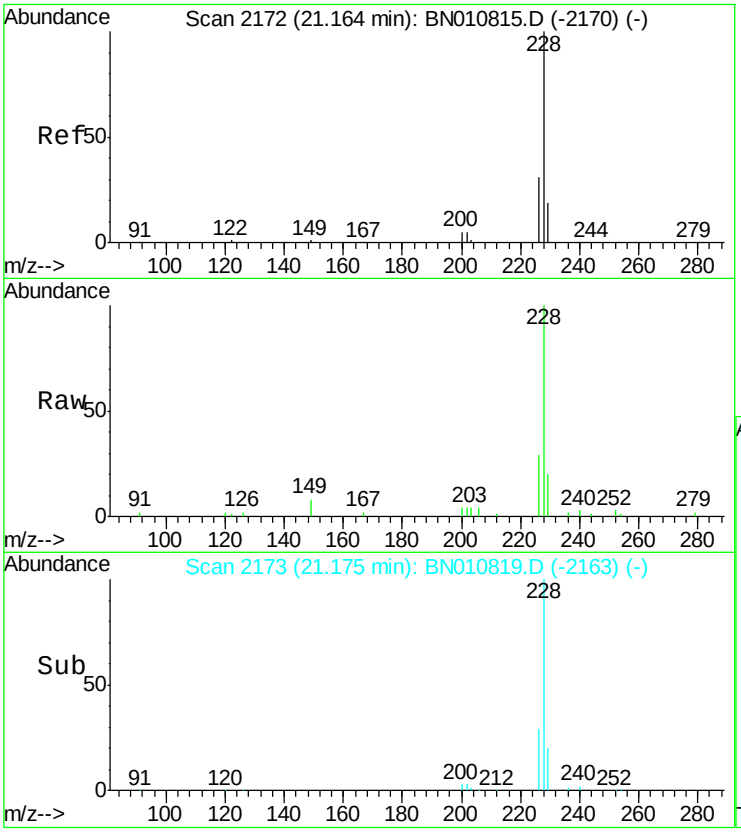


#30
Benzo(a)anthracene
Concen: 0.397 ng
RT: 21.12 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:228 Resp: 8019

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	20.1	16.6	24.8



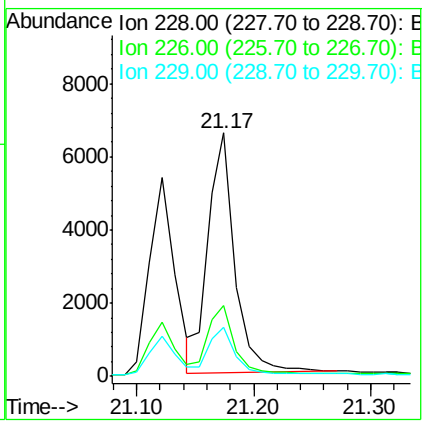


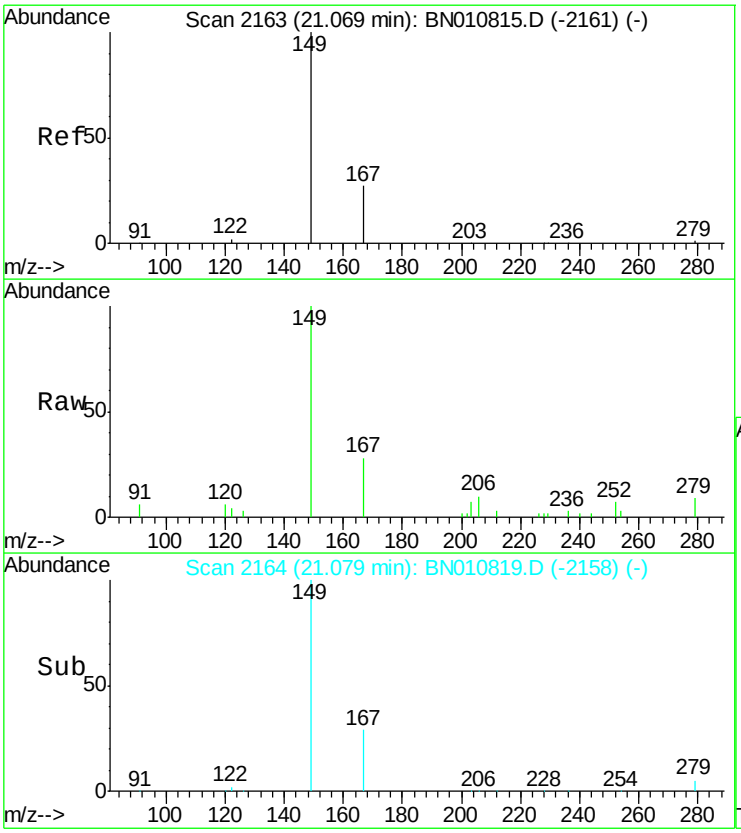
#31
Chrysene
Concen: 0.444 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:228 Resp: 10449

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	20.2	16.1	24.1

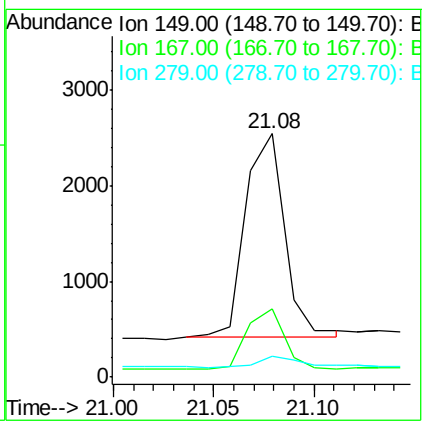


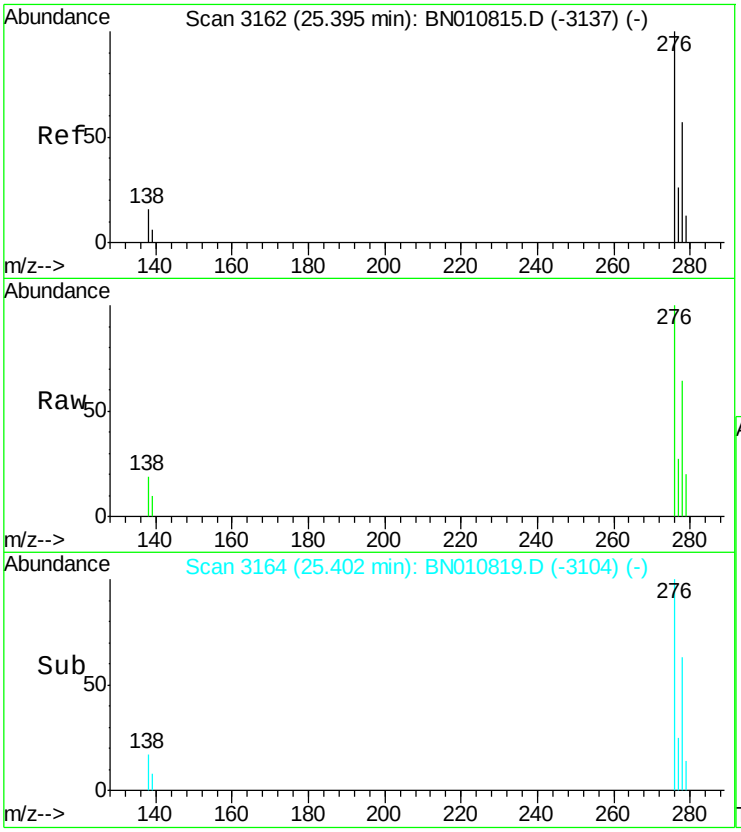


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.427 ng
RT: 21.08 min Scan# 2164
Delta R.T. 0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:149 Resp: 2874

Ion	Ratio	Lower	Upper
149	100		
167	27.7	24.1	36.1
279	5.7	4.6	7.0



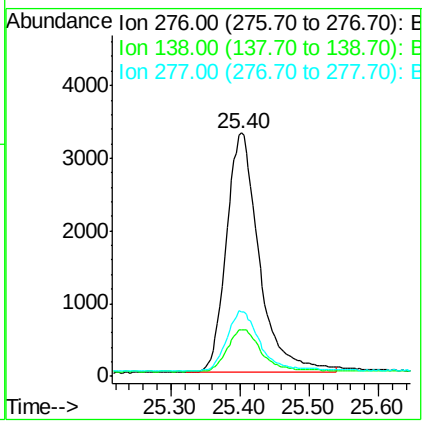


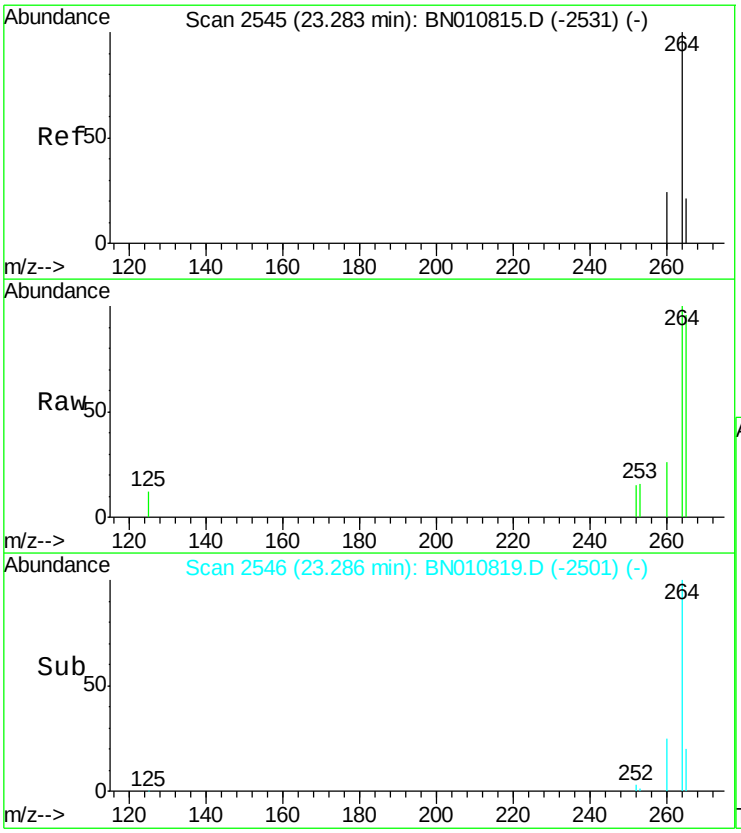
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.416 ng
RT: 25.40 min Scan# 3164
Delta R.T. 0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:276 Resp: 10946

Ion	Ratio	Lower	Upper
276	100		
138	18.2	13.0	19.6
277	24.9	19.7	29.5

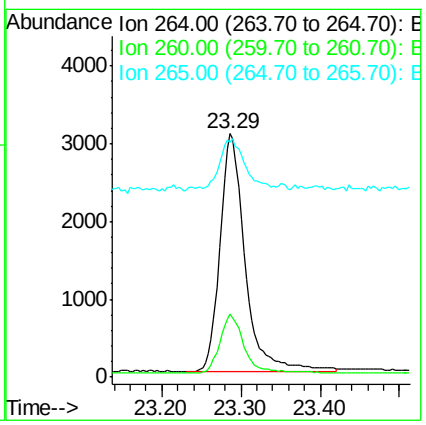


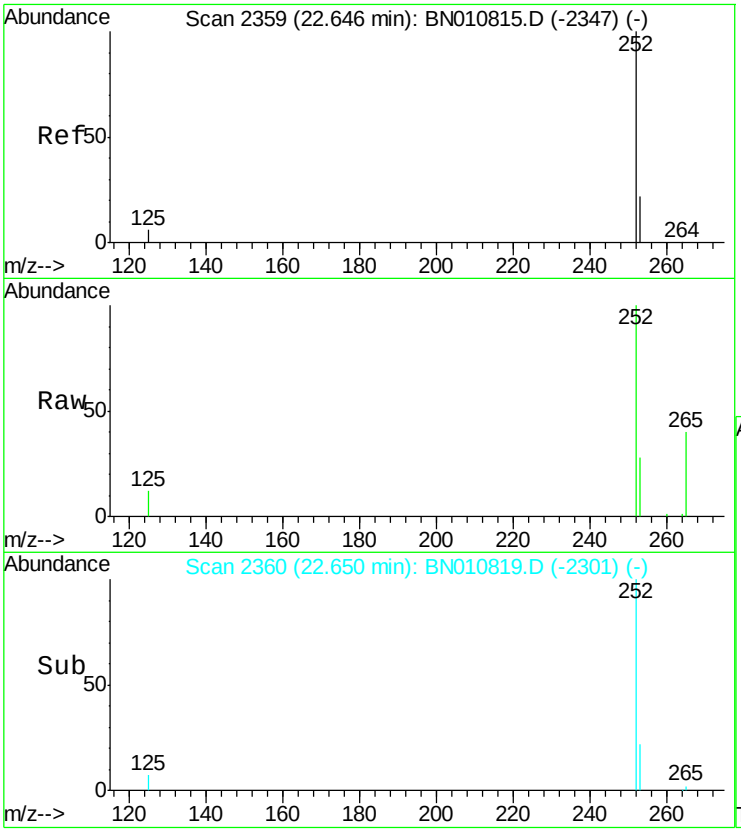


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.29 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:264 Resp: 6684

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	96.4	75.0	112.4



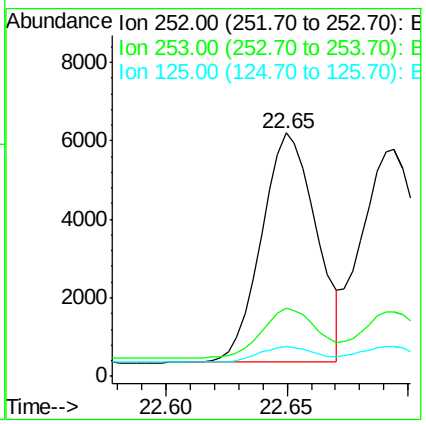


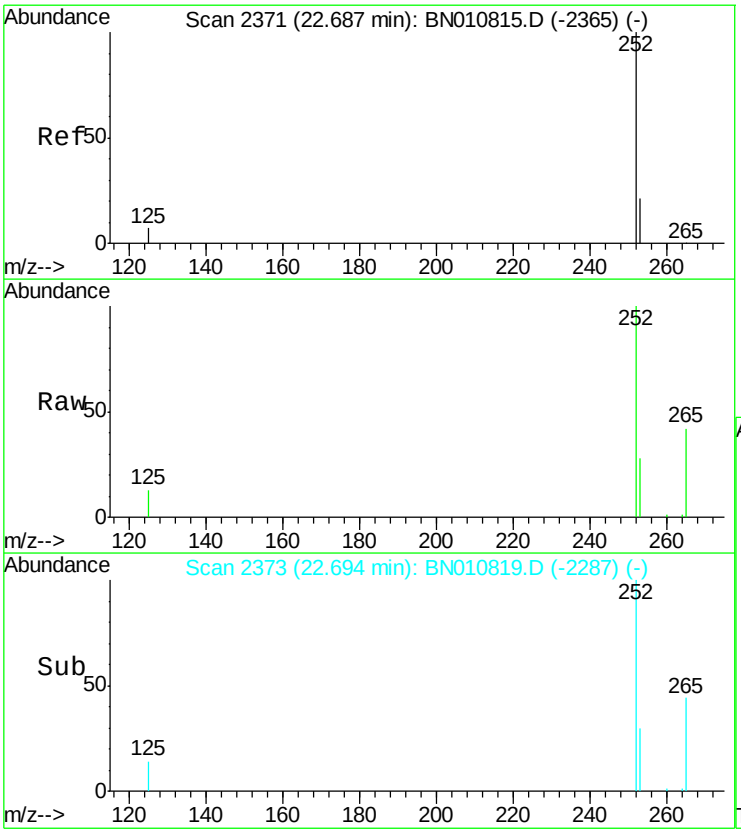
#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 22.65 min Scan# 2360
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:252 Resp: 9241

Ion	Ratio	Lower	Upper
252	100		
253	27.8	22.4	33.6
125	12.4	9.4	14.0

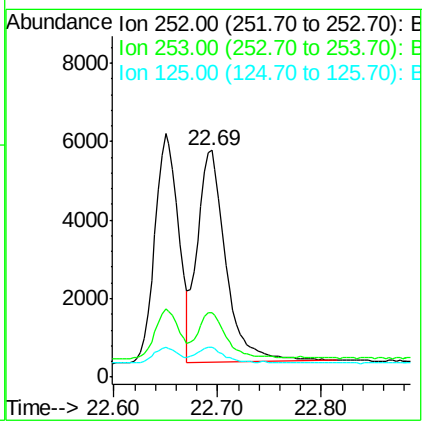


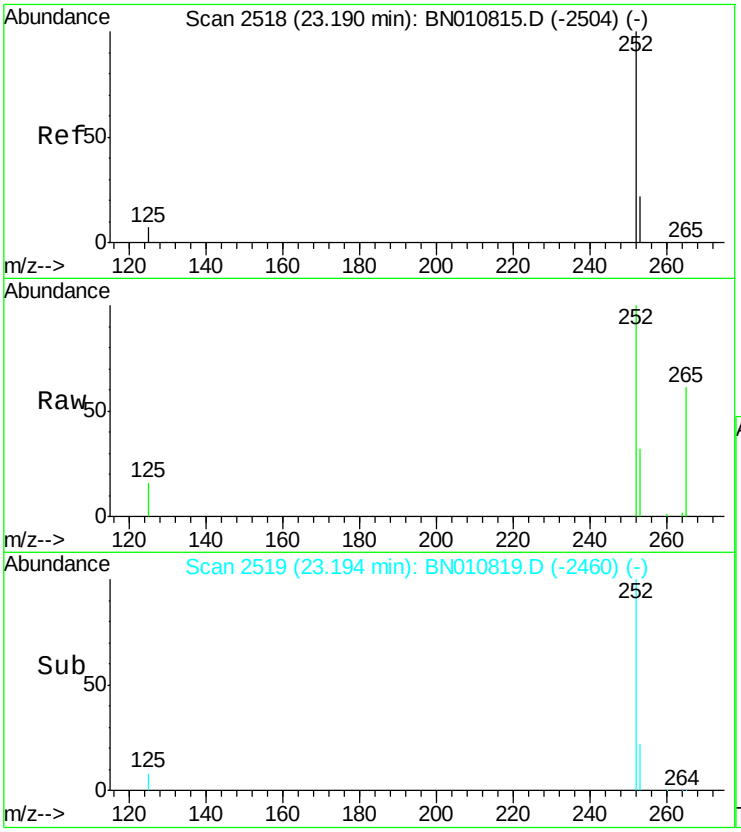


#36
Benzo(k)fluoranthene
Concen: 0.424 ng
RT: 22.69 min Scan# 2373
Delta R.T. 0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:252 Resp: 10278

Ion	Ratio	Lower	Upper
252	100		
253	28.4	22.2	33.4
125	13.0	9.8	14.8



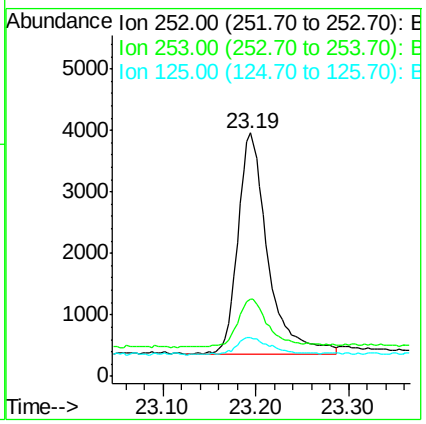


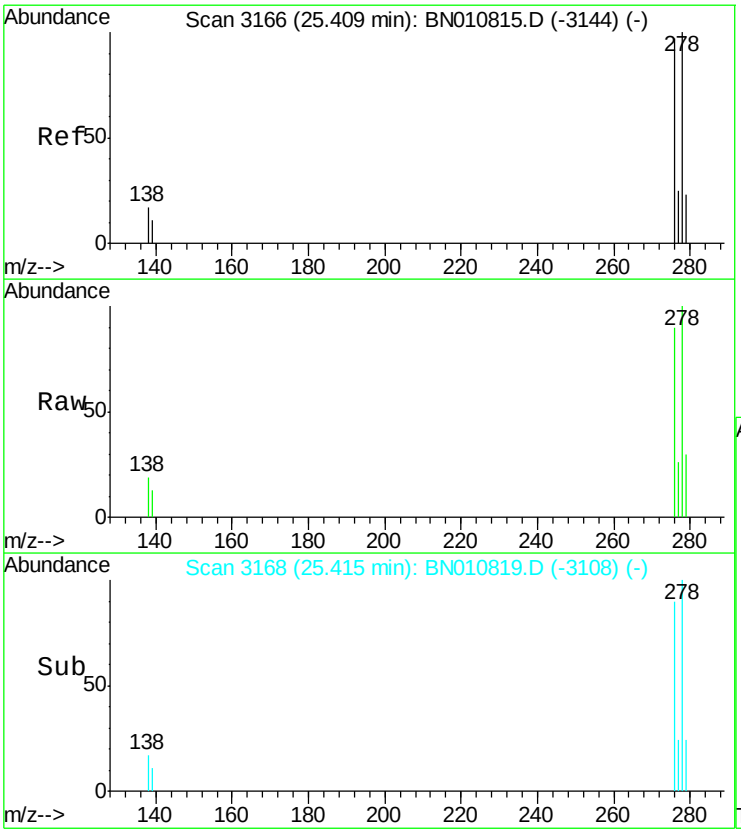
#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:252 Resp: 8002

Ion	Ratio	Lower	Upper
252	100		
253	31.7	25.8	38.8
125	16.0	12.4	18.6

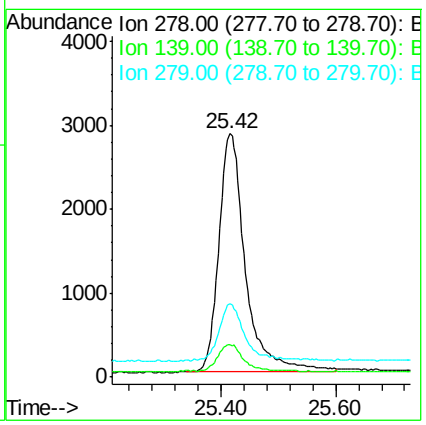


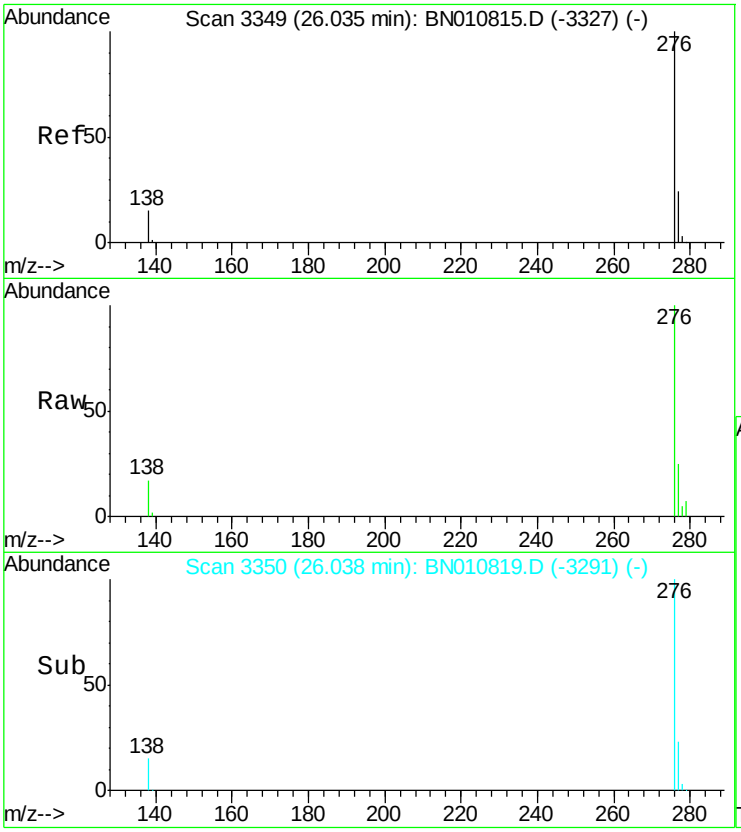


#38
Dibenzo(a,h)anthracene
Concen: 0.413 ng
RT: 25.42 min Scan# 3168
Delta R.T. 0.01 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Tgt Ion:278 Resp: 9175

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.6	15.8
279	30.2	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.421 ng
RT: 26.04 min Scan# 3350
Delta R.T. 0.00 min
Lab File: BN010819.D
Acq: 10 Jun 2020 15:20

Instrument :
BNA_N
ClientSampleId :
ICVBN061020

Tgt Ion:276 Resp: 9789

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.5	30.7
138	17.0	13.7	20.5