Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
Data File : BN010714.D
Acq On : 14 May 2020 16:16
Operator : CG/JU
Sample : PB128648BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB128648BS

Quant Time: May 14 17:01:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 14 12:56:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3877	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	14878	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	9088	0.40	ng		0.01
19) Phenanthrene-d10	16.95	188	18879	0.40	ng		0.00
27) Chrysene-d12	21.15	240	15691	0.40	ng		0.00
34) Perylene-d12	23.32	264	14003	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	3205	0.42	ng		0.00
5) Phenol-d6	6.77	99	3733	0.40	ng		0.00
8) Nitrobenzene-d5	8.71	82	5913	0.57	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	9513	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	1055	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	19464	0.58	ng		0.00
25) Fluoranthene-d10	18.99	212	14256	0.28	ng		0.00
29) Terphenyl-d14	19.60	244	18022	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	990	0.296	ng	#	66
3) n-Nitrosodimethylamine	3.55	42	893	0.464	ng	#	99
6) bis(2-Chloroethyl)ether	7.02	93	4036	0.423	ng		96
9) Naphthalene	10.38	128	14932	0.399	ng		100
10) Hexachlorobutadiene	10.67	225	3216	0.376	ng	#	99
12) 2-Methylnaphthalene	12.00	142	10616	0.402	ng		100
16) Acenaphthylene	13.91	152	14286	0.385	ng		100
17) Acenaphthene	14.26	154	9753	0.389	ng		99
18) Fluorene	15.26	166	12550	0.382	ng		100
20) 4-Bromophenyl-phenylether	16.16	248	3753	0.360	ng	#	88
21) Hexachlorobenzene	16.26	284	4803	0.387	ng		99
22) Pentachlorophenol	16.61	266	3685	0.959	ng		99
23) Phenanthrene	16.99	178	19406	0.383	ng		99
24) Anthracene	17.08	178	16142	0.379	ng		100
26) Fluoranthene	19.02	202	21315	0.371	ng		99
28) Pyrene	19.38	202	21507	0.382	ng		100
30) Benzo(a)anthracene	21.14	228	17555	0.384	ng		100
31) Chrysene	21.20	228	20163	0.389	ng		100
32) Bis(2-ethylhexyl)phthalate	21.09	149	7503	0.374	ng		99
33) Indeno(1,2,3-cd)pyrene	25.46	276	17841	0.387	ng		99
35) Benzo(b)fluoranthene	22.68	252	17750	0.383	ng		98
36) Benzo(k)fluoranthene	22.72	252	20002	0.401	ng		98
37) Benzo(a)pyrene	23.23	252	15932	0.398	ng		95
38) Dibenzo(a,h)anthracene	25.48	278	14525	0.424	ng		96
39) Benzo(g,h,i)perylene	26.10	276	17280	0.430	ng		99

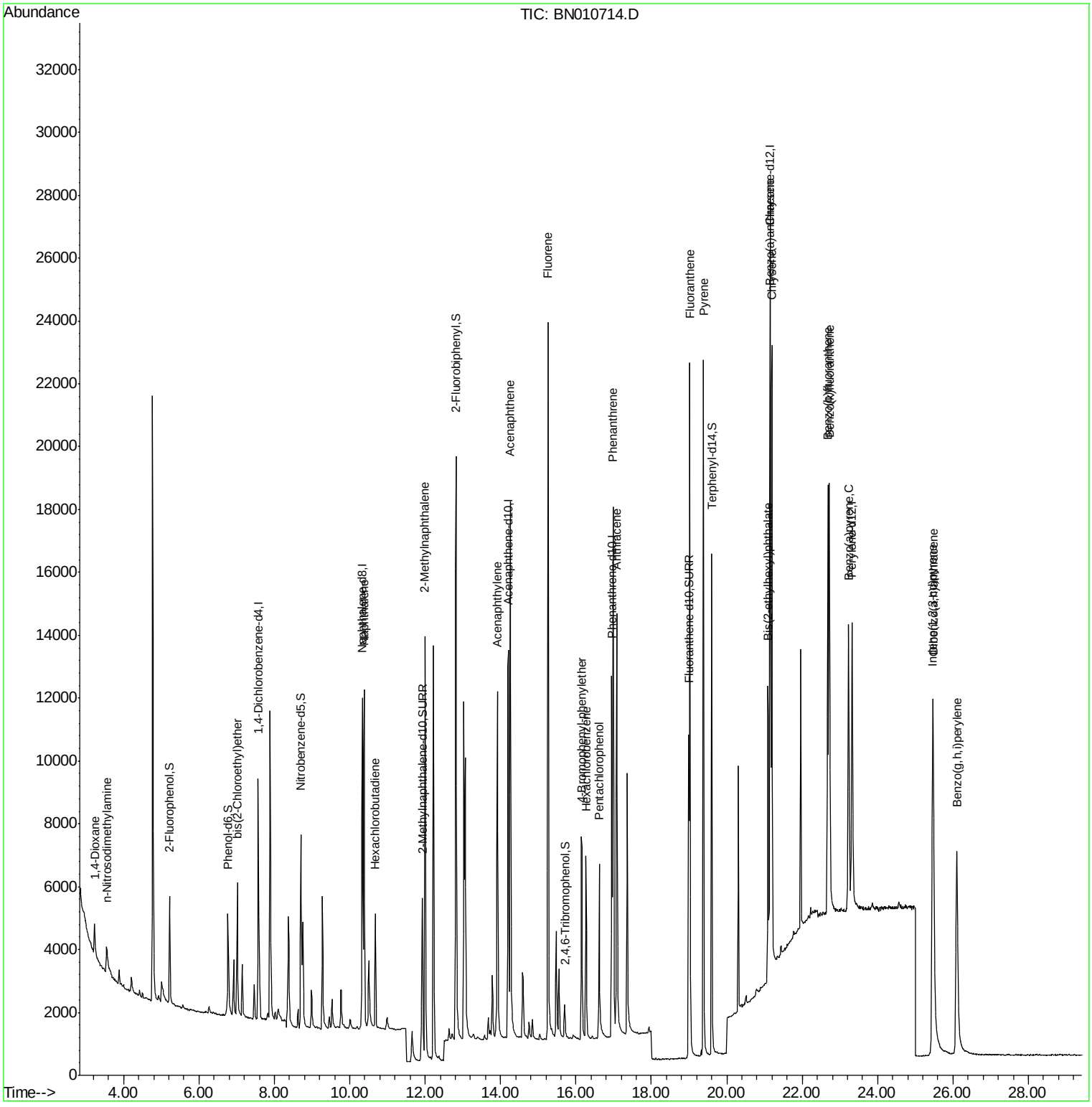
(#) = qualifier out of range (m) = manual integration (+) = signals summed

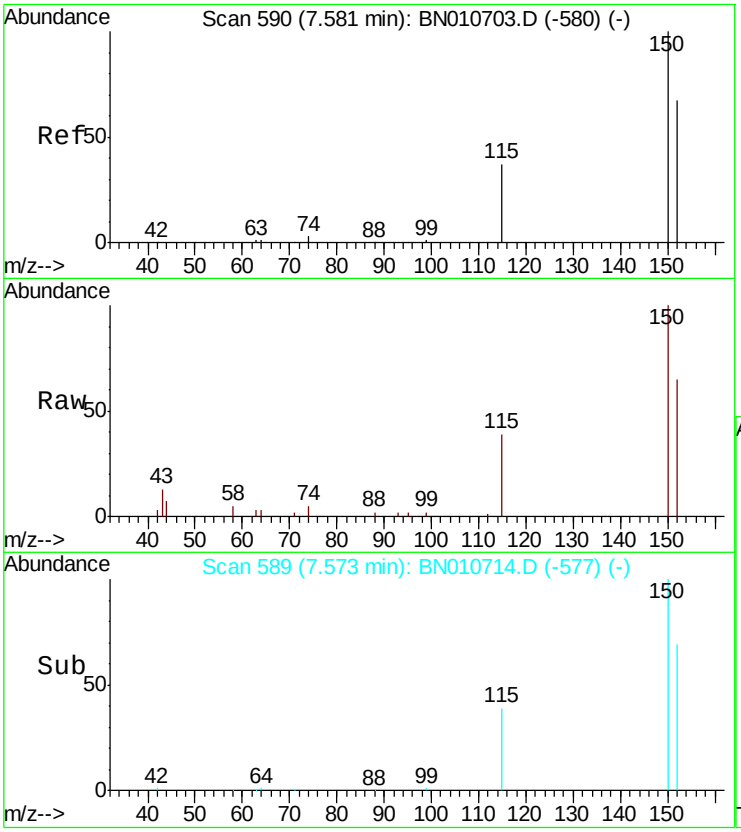
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
Data File : BN010714.D
Acq On : 14 May 2020 16:16
Operator : CG/JU
Sample : PB128648BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Quant Time: May 14 17:01:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 14 12:56:11 2020
Response via : Initial Calibration



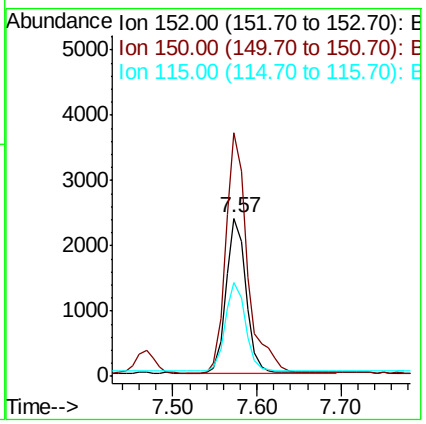


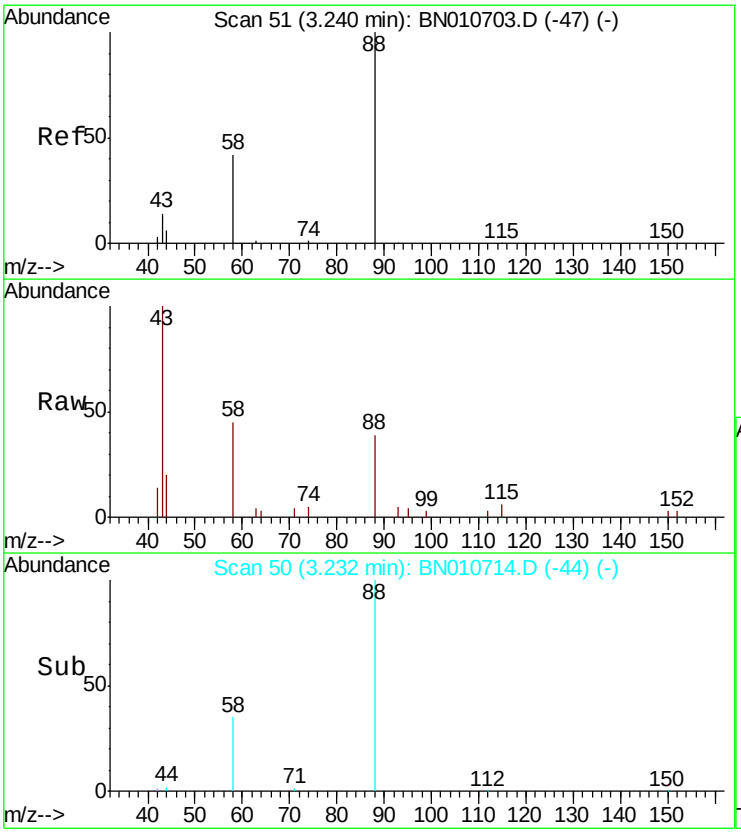
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 589
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:152 Resp: 3877

Ion	Ratio	Lower	Upper
152	100		
150	153.9	119.4	179.0
115	59.4	45.9	68.9

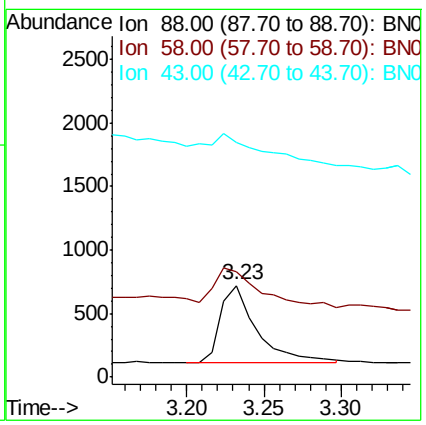


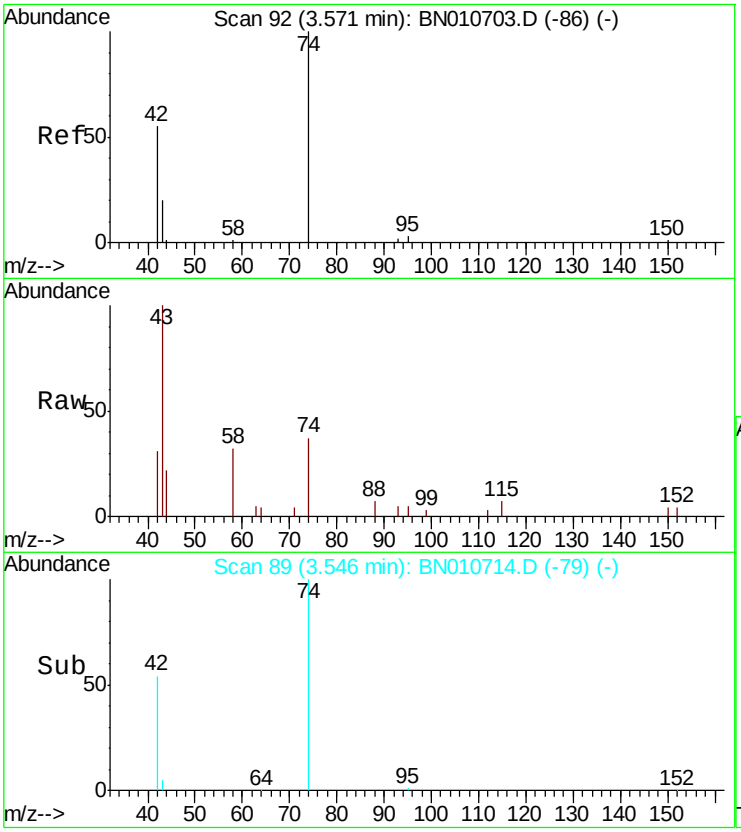


#2
1,4-Dioxane
Concen: 0.296 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion: 88 Resp: 990

Ion	Ratio	Lower	Upper
88	100		
58	61.9	39.0	58.6#
43	50.0	13.1	19.7#



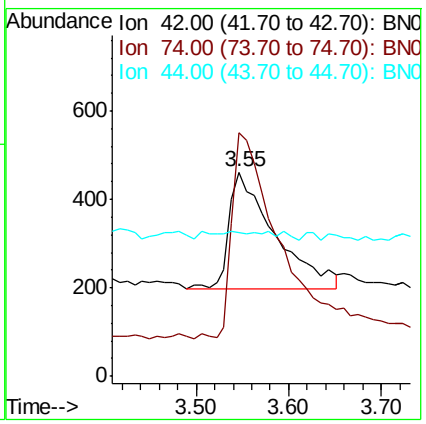


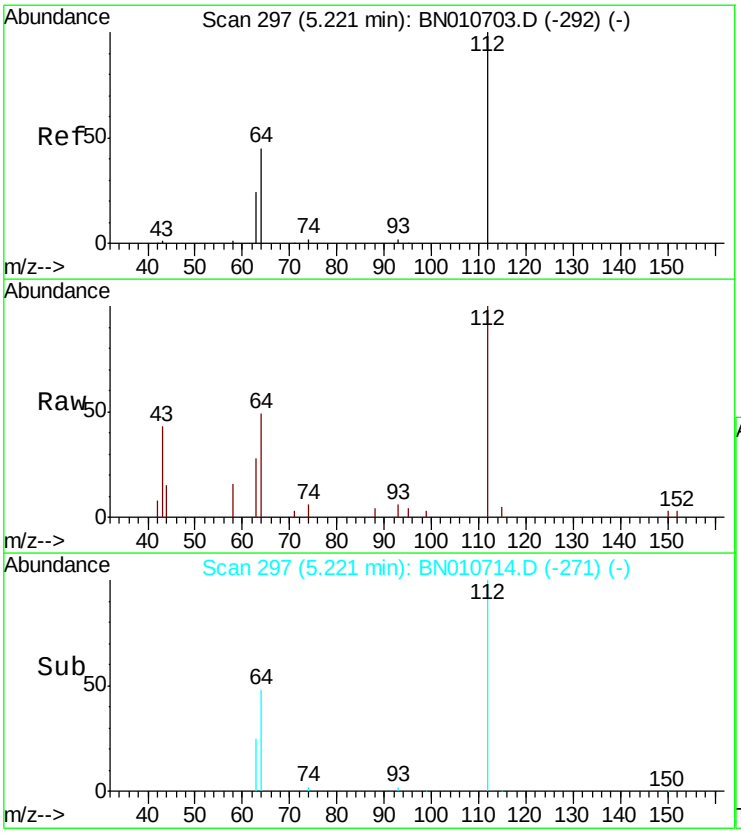
#3
n-Nitrosodimethylamine
Concen: 0.464 ng
RT: 3.55 min Scan# 89
Delta R.T. -0.02 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion: 42 Resp: 893

Ion	Ratio	Lower	Upper
42	100		
74	182.2	146.2	219.2
44	0.9	3.0	4.4#

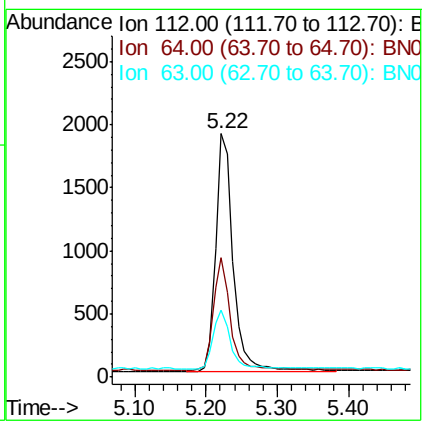


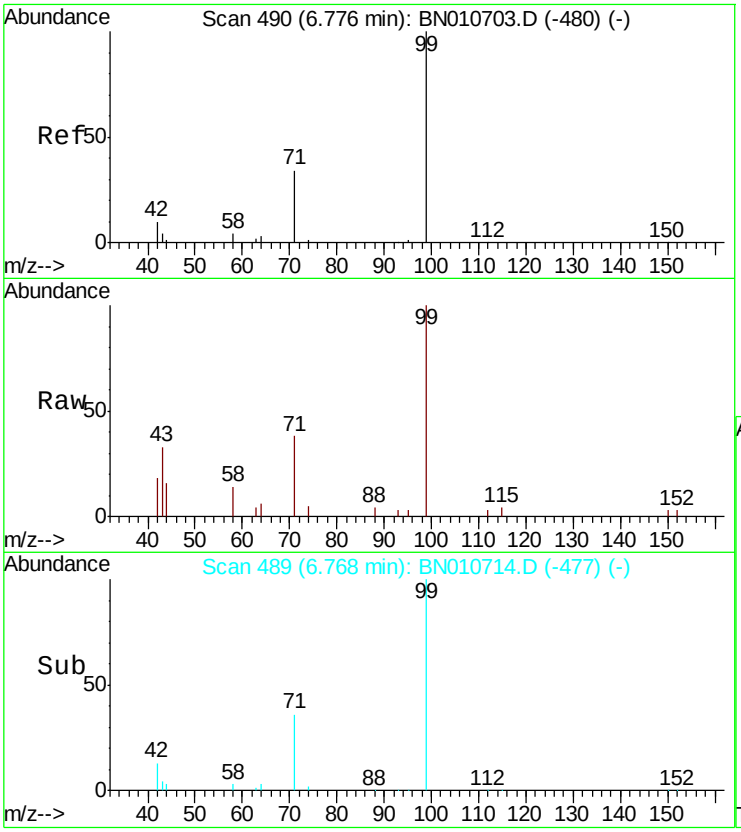


#4
2-Fluorophenol
Concen: 0.422 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.01 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:112 Resp: 3205

Ion	Ratio	Lower	Upper
112	100		
64	45.1	36.2	54.4
63	24.6	19.8	29.8



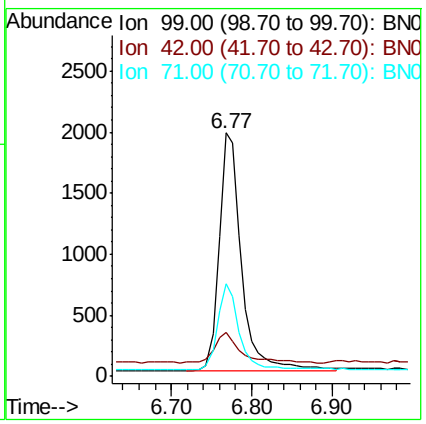


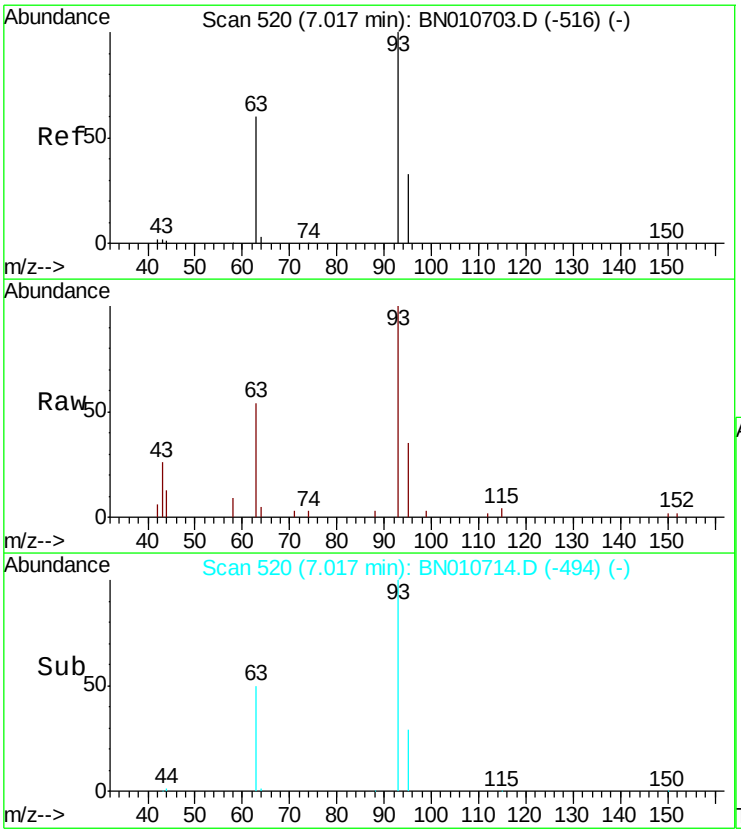
#5
Phenol-d6
Concen: 0.403 ng
RT: 6.77 min Scan# 489
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion: 99 Resp: 3733

Ion	Ratio	Lower	Upper
99	100		
42	14.5	9.8	14.8
71	35.4	28.6	42.8

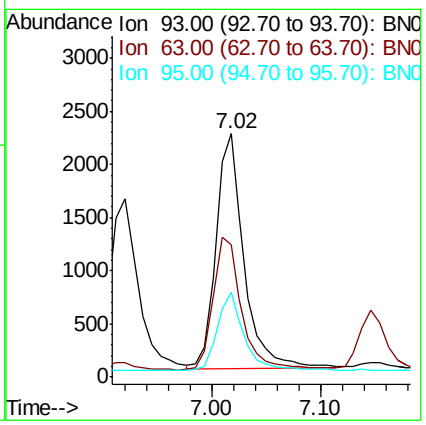


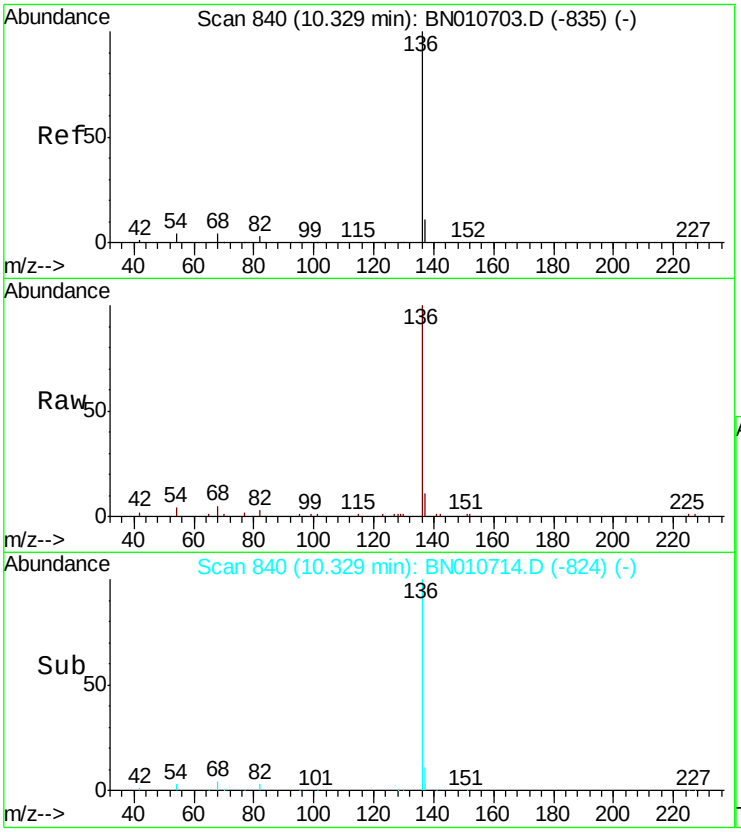


#6
bis(2-Chloroethyl)ether
Concen: 0.423 ng
RT: 7.02 min Scan# 520
Delta R.T. 0.01 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion: 93 Resp: 4036

Ion	Ratio	Lower	Upper
93	100		
63	56.8	43.1	64.7
95	32.7	24.6	37.0



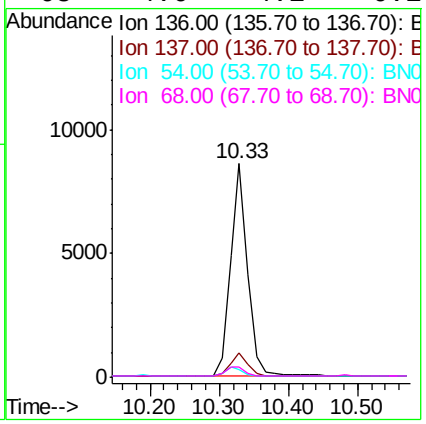


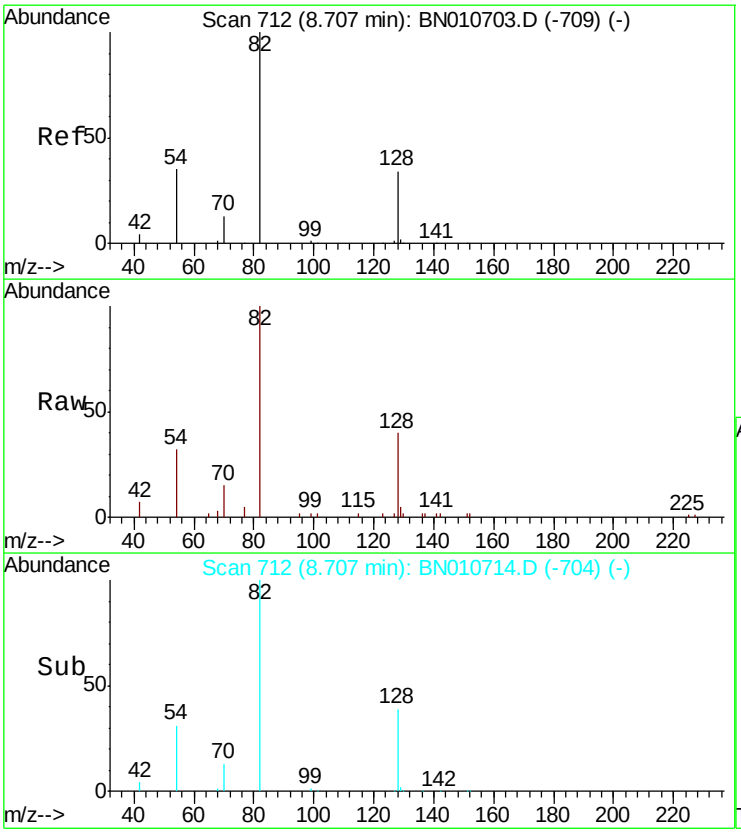
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:136 Resp: 14878

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	3.8	3.6	5.4
68	4.6	4.1	6.1

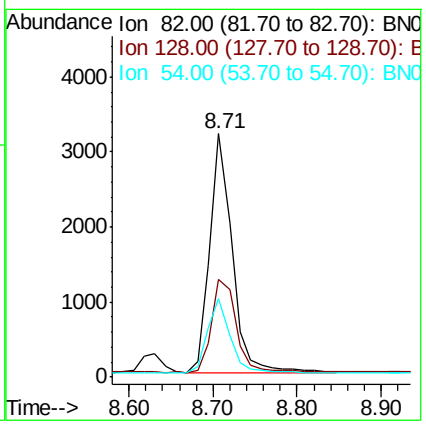


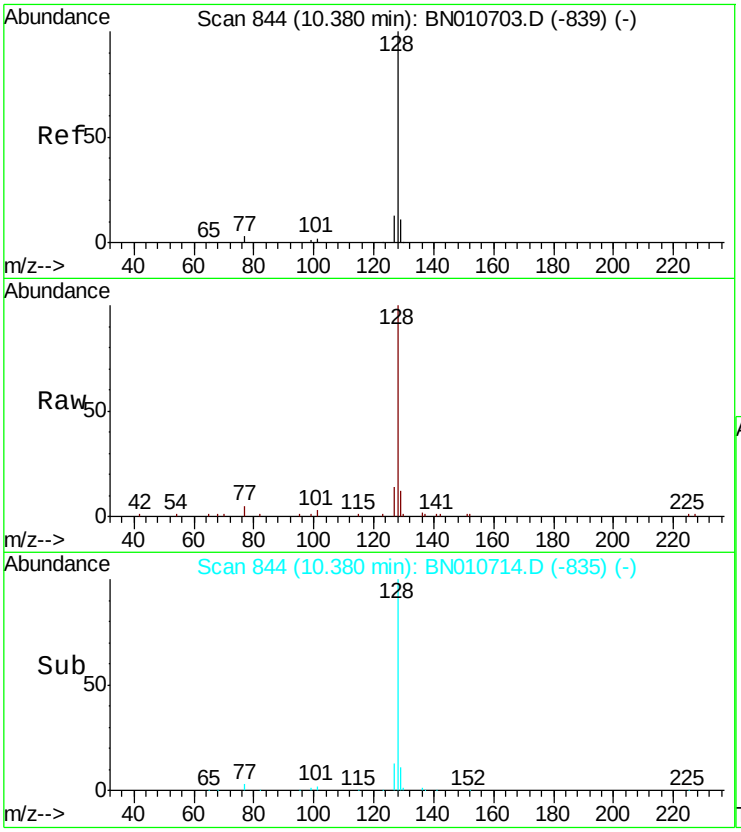


#8
Nitrobenzene-d5
Concen: 0.572 ng
RT: 8.71 min Scan# 712
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion: 82 Resp: 5913

Ion	Ratio	Lower	Upper
82	100		
128	40.1	29.0	43.4
54	32.2	29.3	43.9



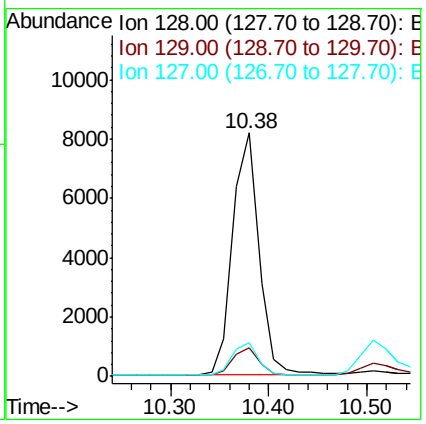


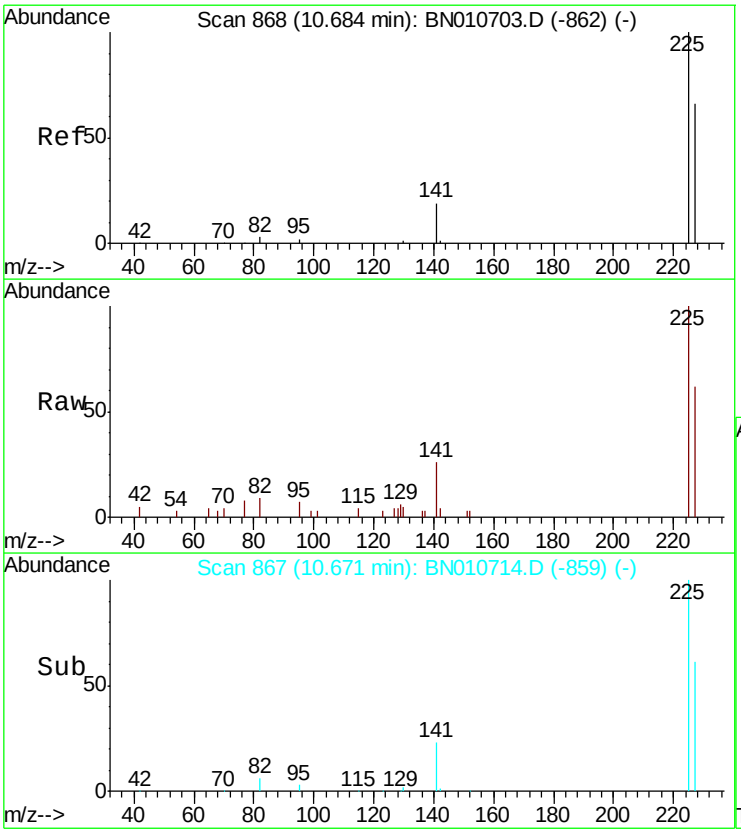
#9
Naphthalene
Concen: 0.399 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.01 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:128 Resp: 14932

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	13.7	11.0	16.6

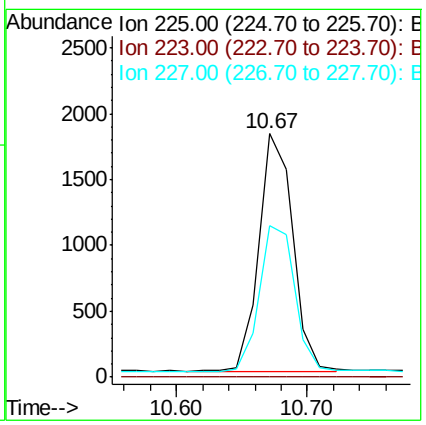


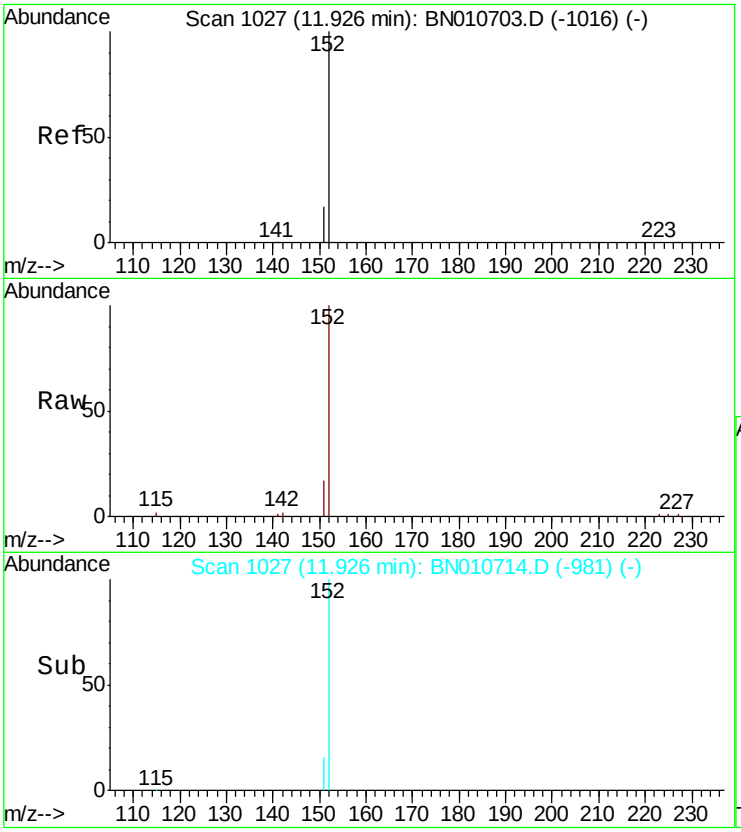


#10
Hexachlorobutadiene
Concen: 0.376 ng
RT: 10.67 min Scan# 867
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:225 Resp: 3216

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.7	76.1



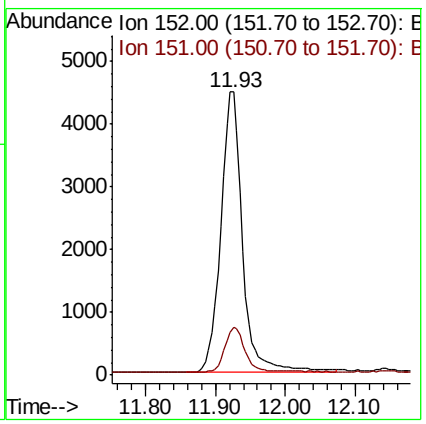


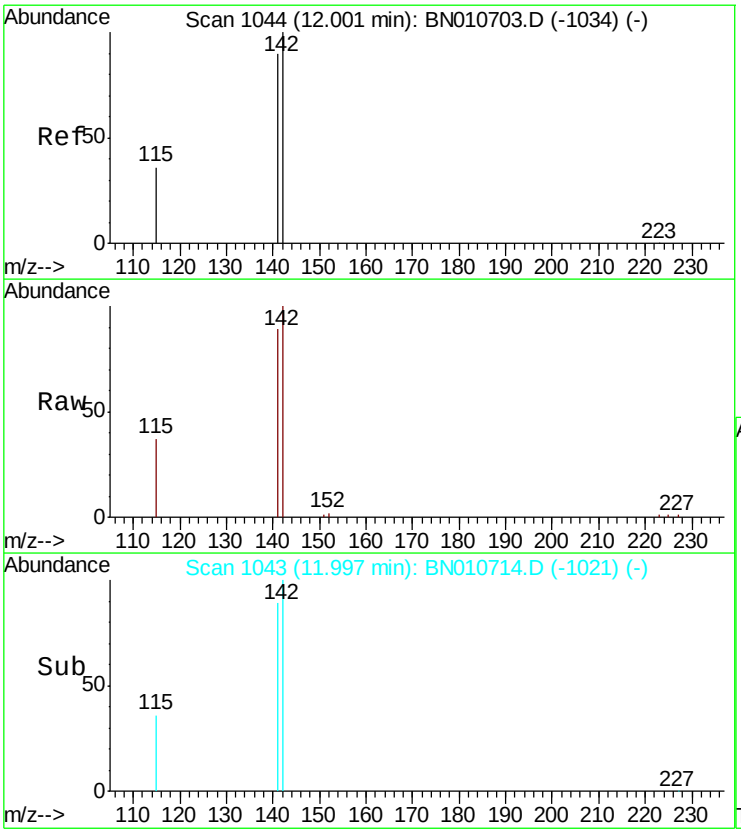
#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:152 Resp: 9513

Ion	Ratio	Lower	Upper
152	100		
151	14.7	15.0	22.6#

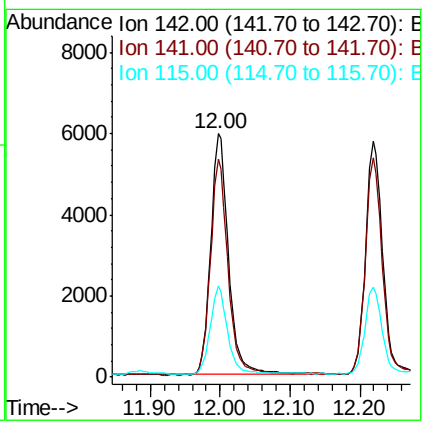


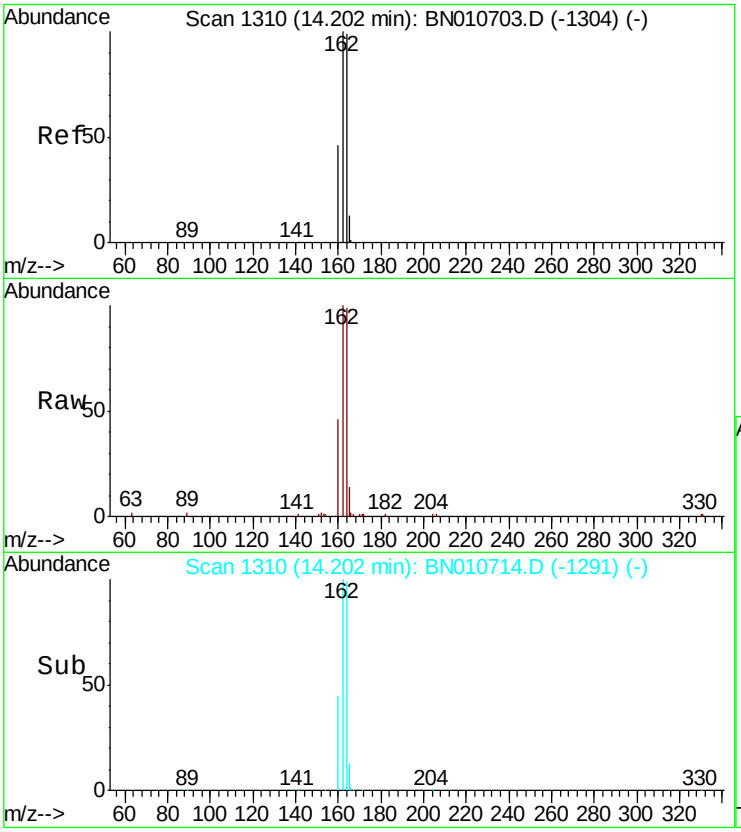


#12
2-Methylnaphthalene
Concen: 0.402 ng
RT: 12.00 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:142 Resp: 10616

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.7	107.5
115	37.4	29.8	44.6



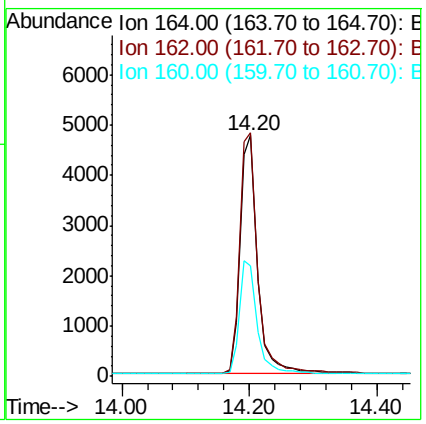


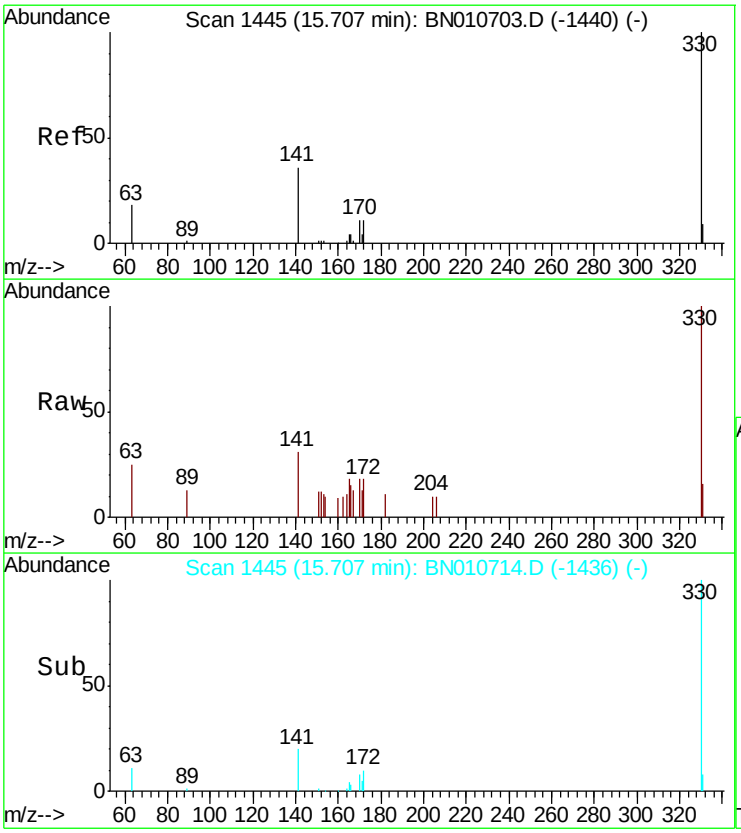
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:164 Resp: 9088

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.1	121.7
160	46.1	37.9	56.9

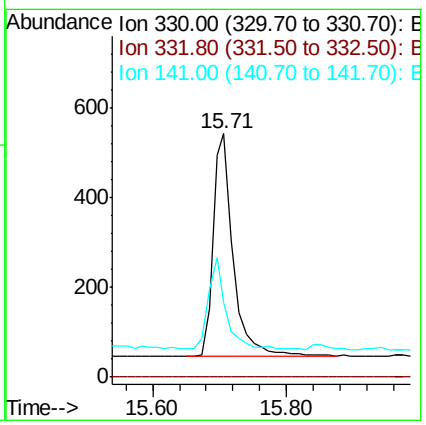


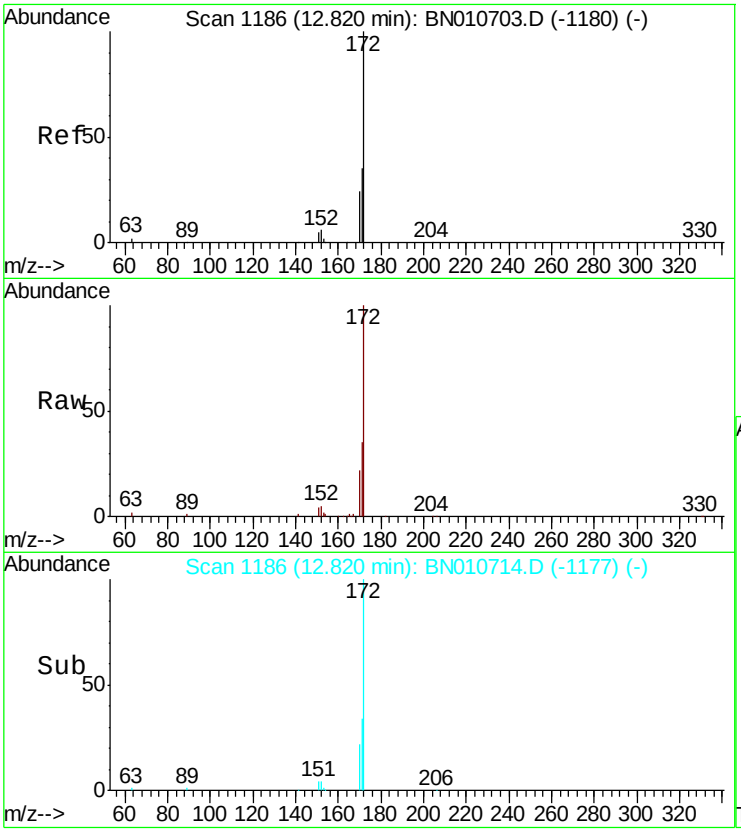


#14
2,4,6-Tribromophenol
Concen: 0.320 ng
RT: 15.71 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:330 Resp: 1055

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.6	28.8	43.2



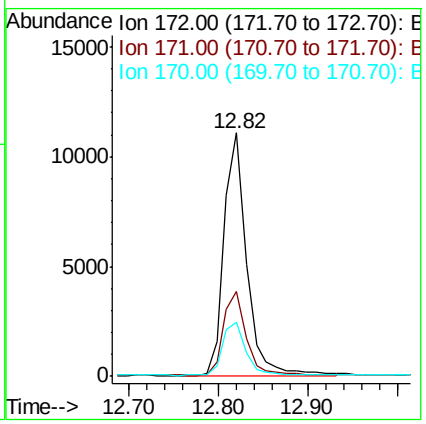


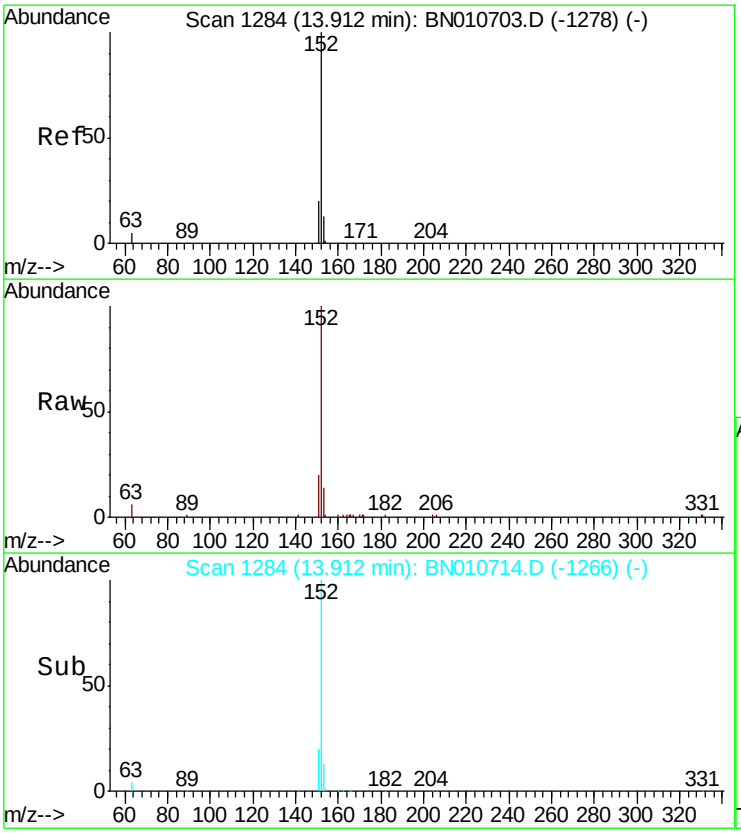
#15
2-Fluorobiphenyl
Concen: 0.584 ng
RT: 12.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:172 Resp: 19464

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	22.1	19.8	29.8

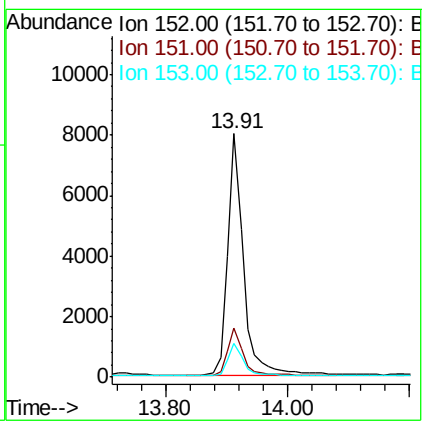


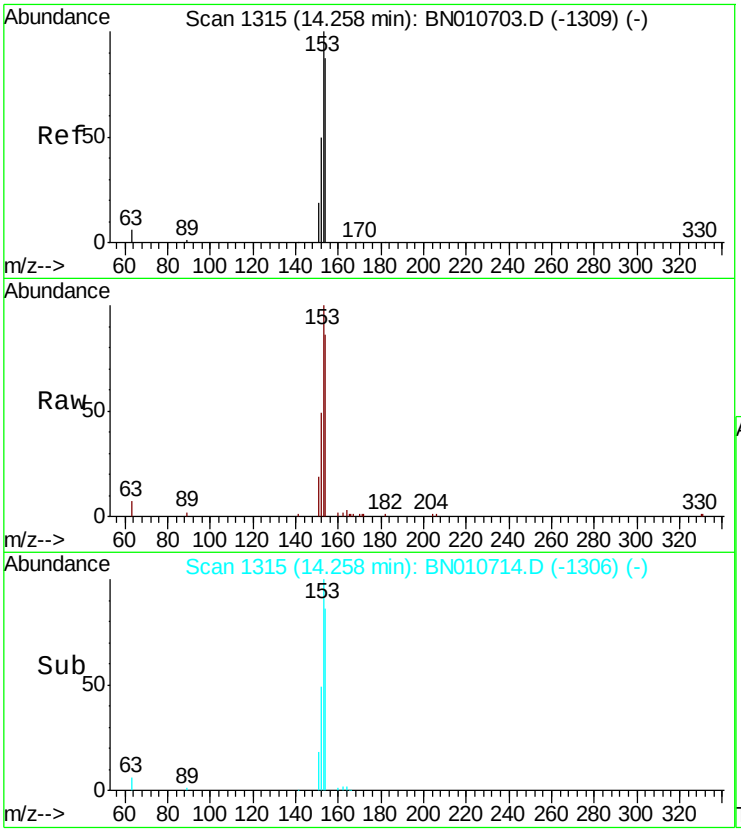


#16
Acenaphthylene
Concen: 0.385 ng
RT: 13.91 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:152 Resp: 14286

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.2	10.4	15.6



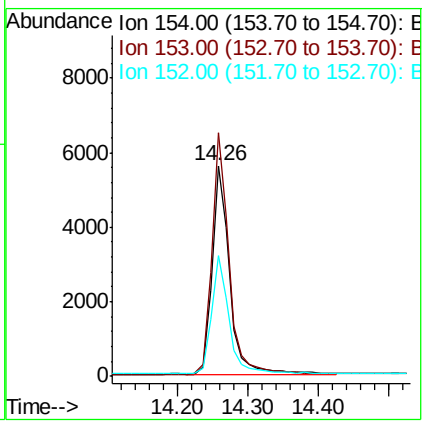


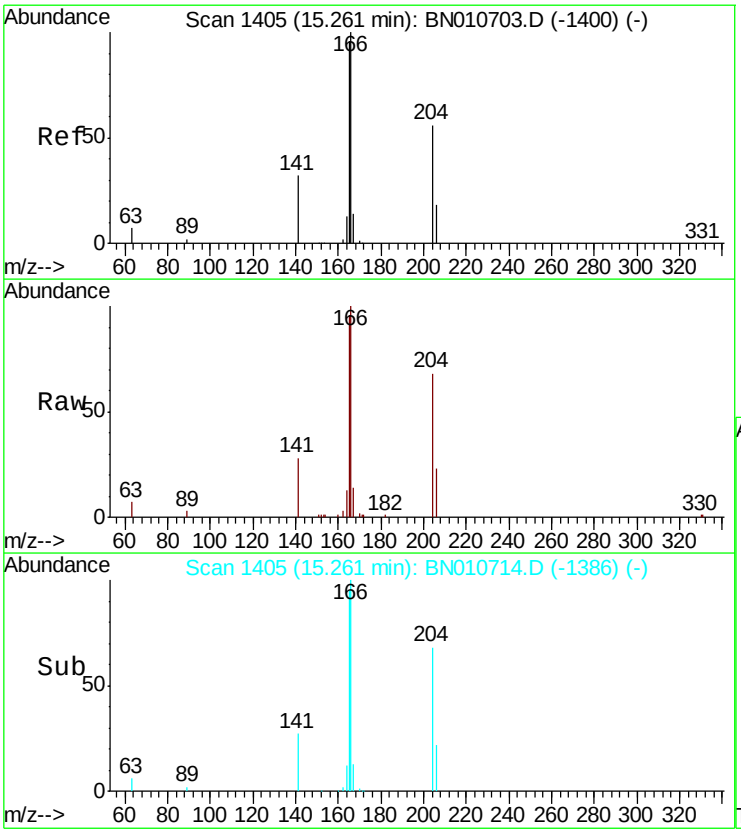
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:154 Resp: 9753

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.5	137.3
152	55.7	45.6	68.4

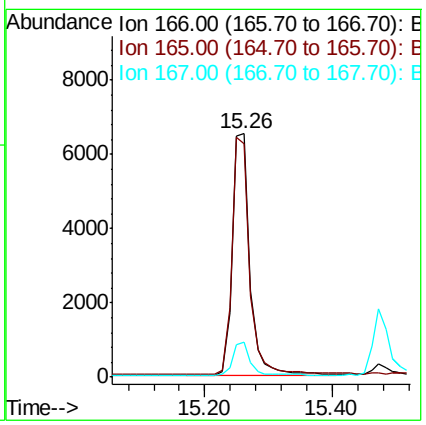


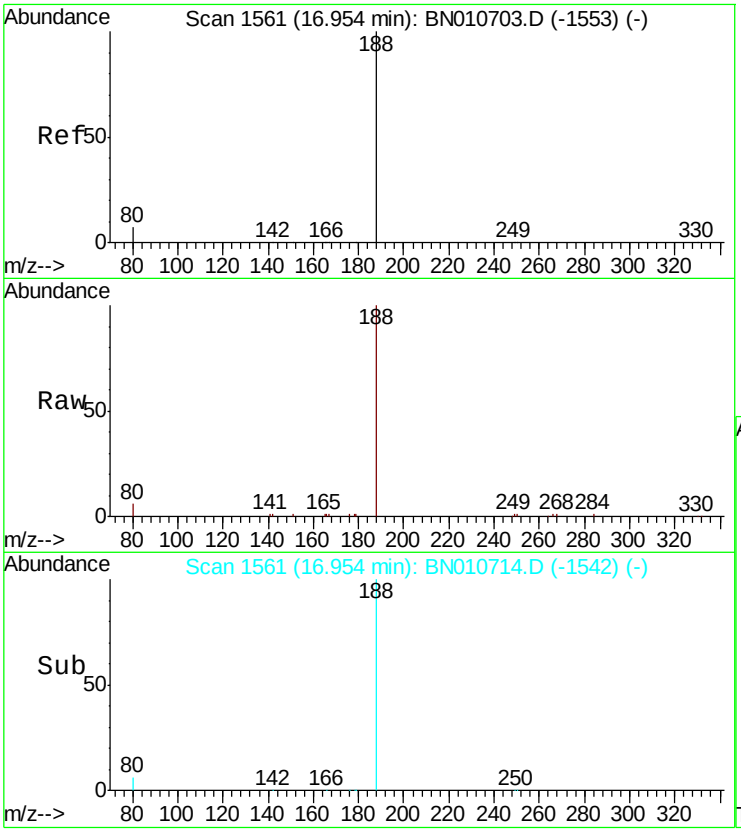


#18
Fluorene
Concen: 0.382 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:166 Resp: 12550

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.9	116.9
167	13.1	11.0	16.4



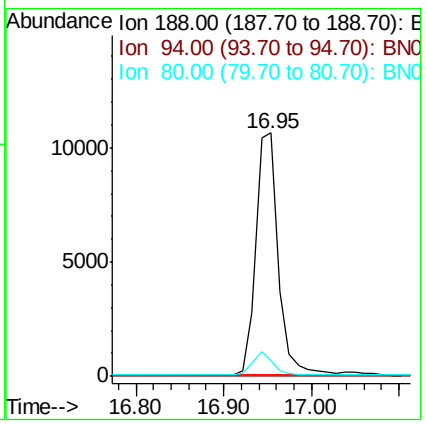


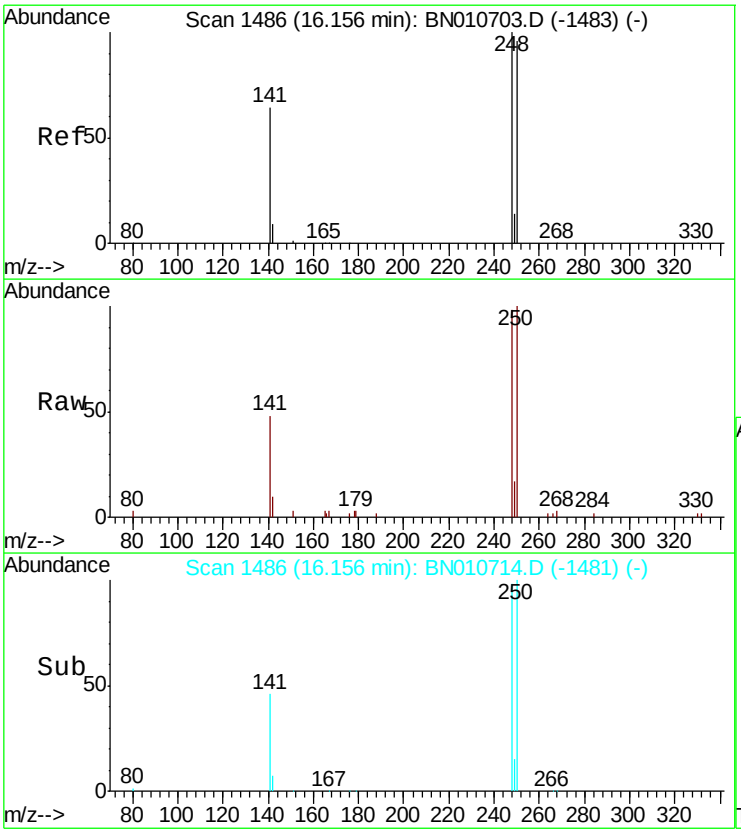
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:188 Resp: 18879

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	6.3	9.5#

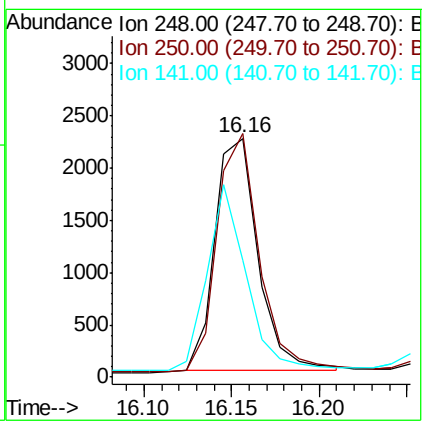


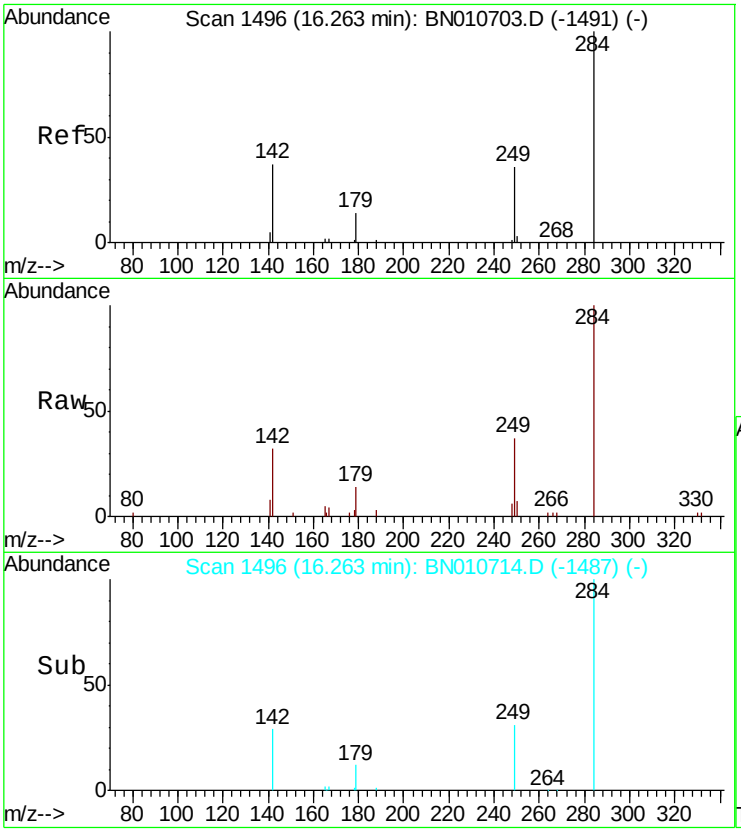


#20
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.16 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:248 Resp: 3753

Ion	Ratio	Lower	Upper
248	100		
250	102.0	77.4	116.0
141	49.0	53.1	79.7#



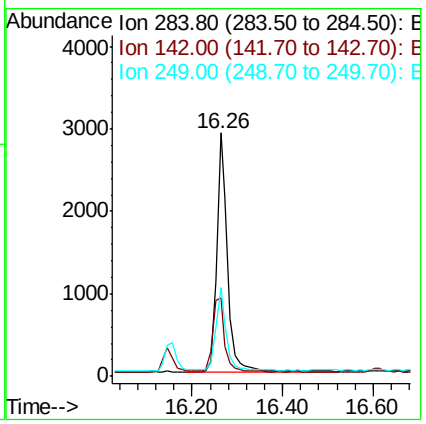


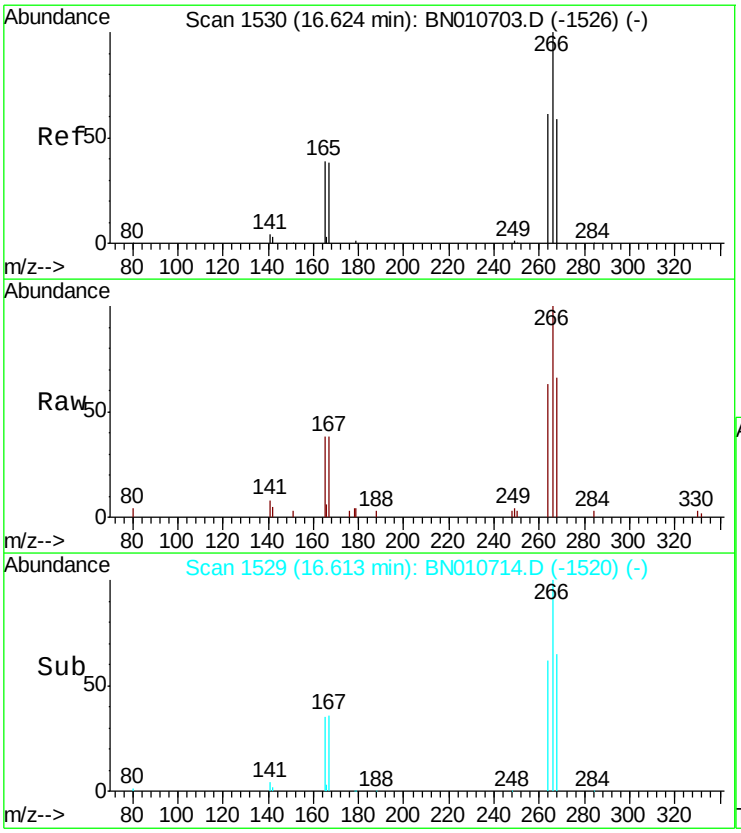
#21
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:284 Resp: 4803

Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.2	42.2
249	32.9	26.4	39.6

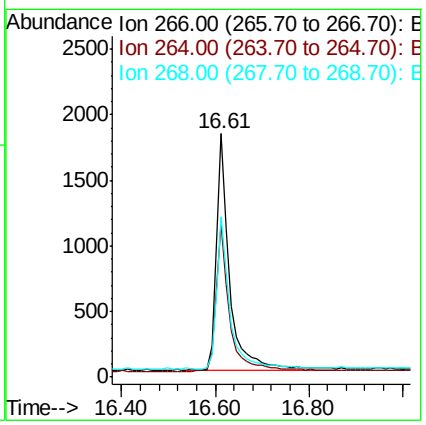


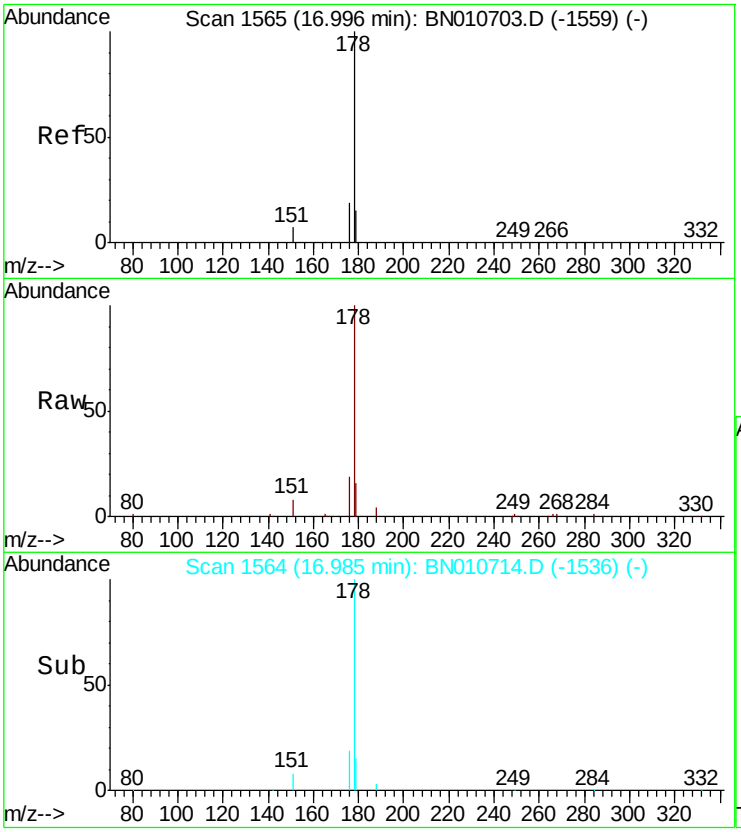


#22
Pentachlorophenol
Concen: 0.959 ng
RT: 16.61 min Scan# 1529
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:266 Resp: 3685

Ion	Ratio	Lower	Upper
266	100		
264	62.6	51.1	76.7
268	66.1	52.1	78.1



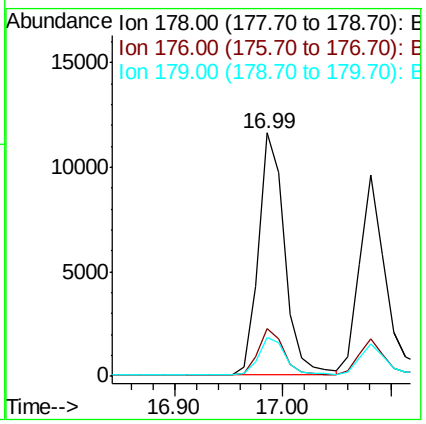


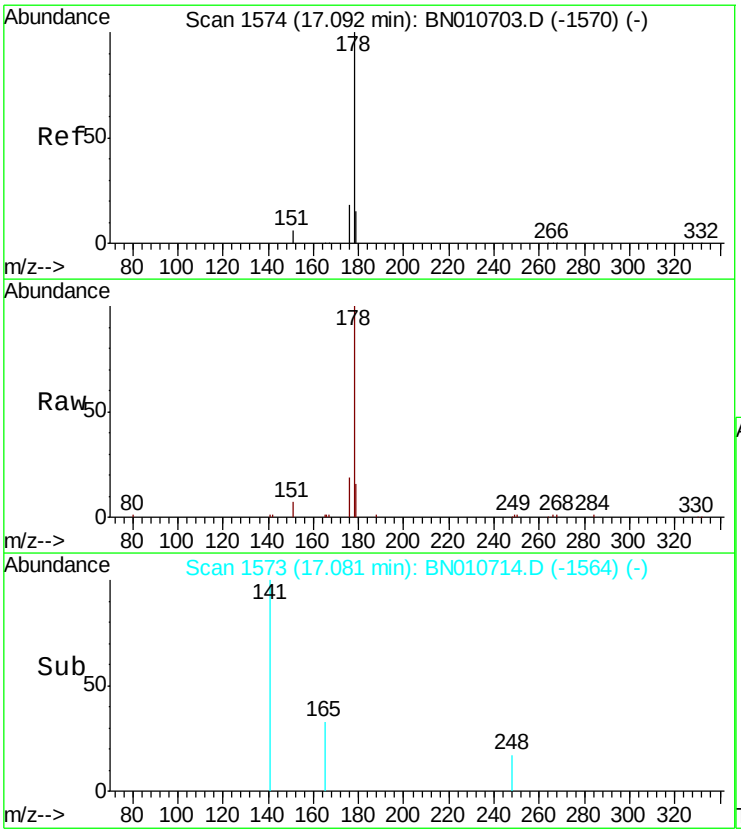
#23
Phenanthrene
Concen: 0.383 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:178 Resp: 19406

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.6	12.2	18.4

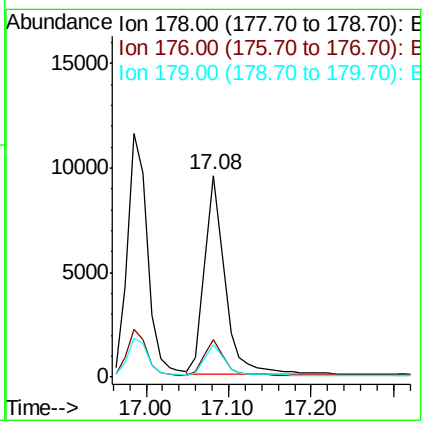


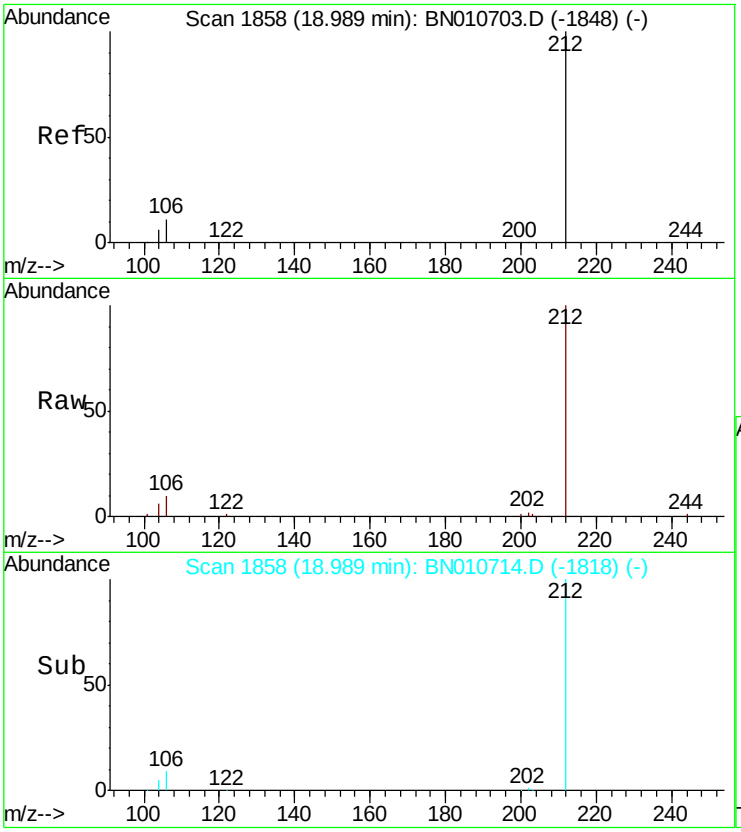


#24
Anthracene
Concen: 0.379 ng
RT: 17.08 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:178 Resp: 16142

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.6	12.3	18.5



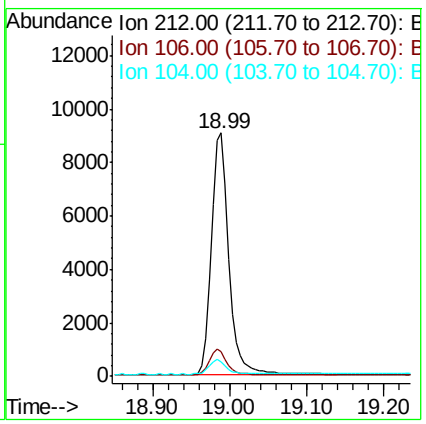


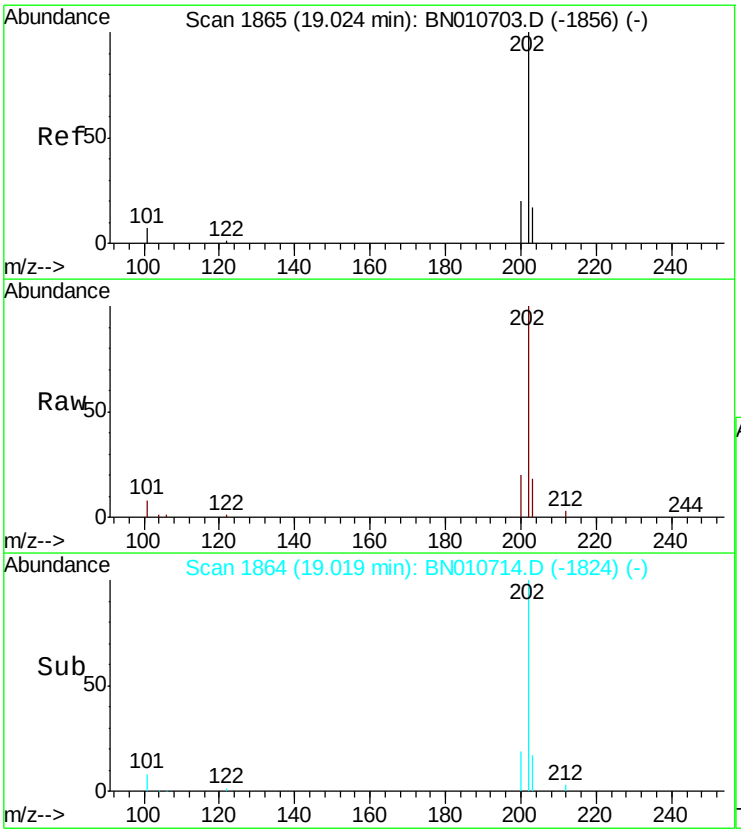
#25
Fluoranthene-d10
Concen: 0.278 ng
RT: 18.99 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:212 Resp: 14256

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.7	4.7	7.1

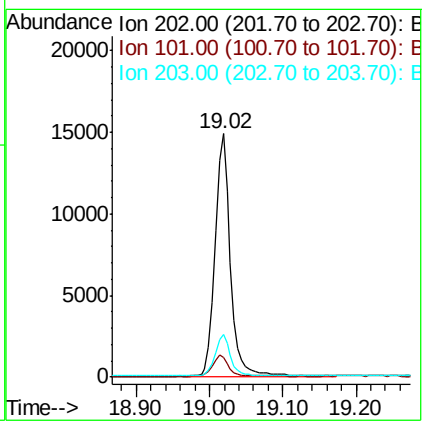


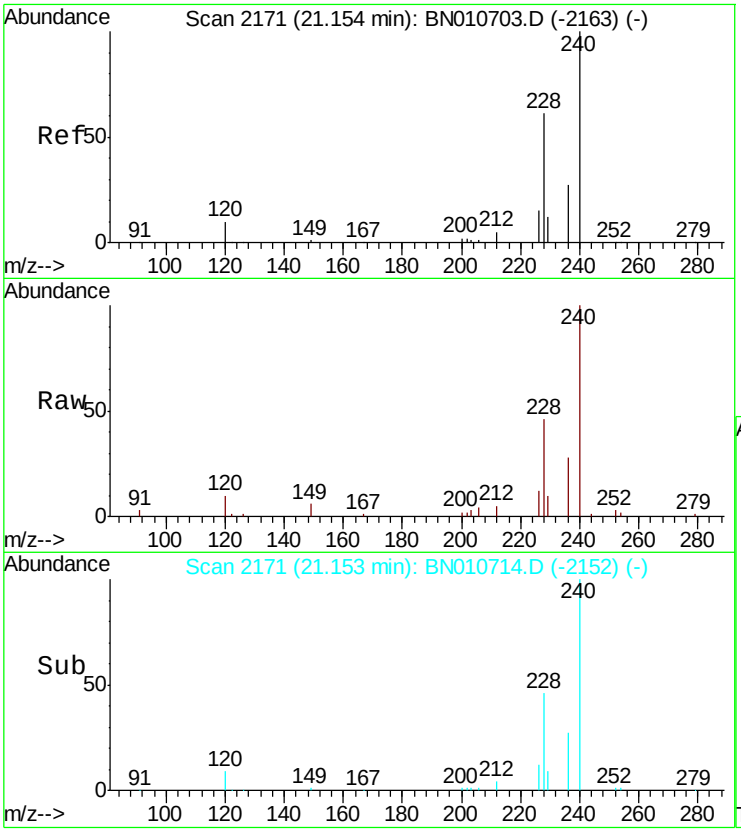


#26
Fluoranthene
Concen: 0.371 ng
RT: 19.02 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:202 Resp: 21315

Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.7	10.1
203	16.9	13.4	20.0



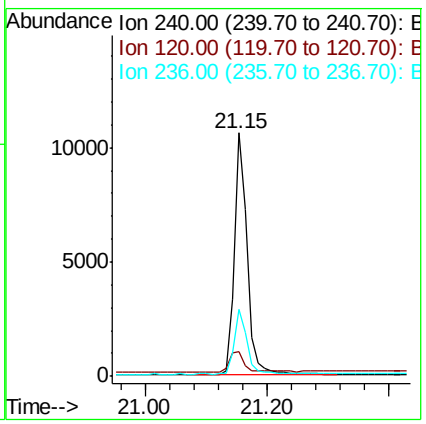


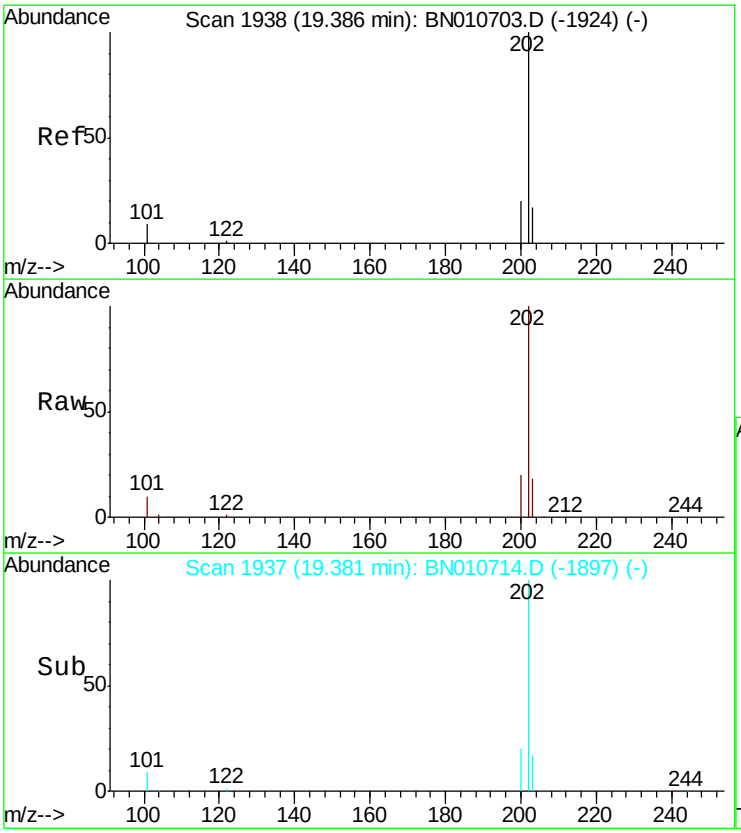
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:240 Resp: 15691

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	27.6	22.5	33.7

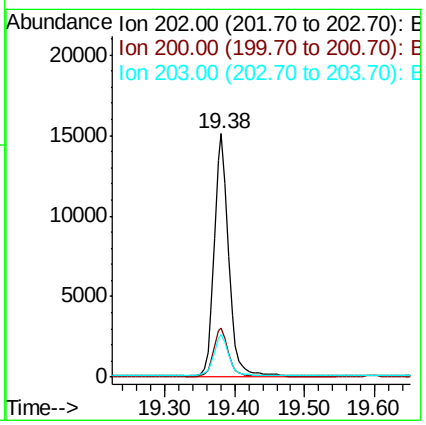


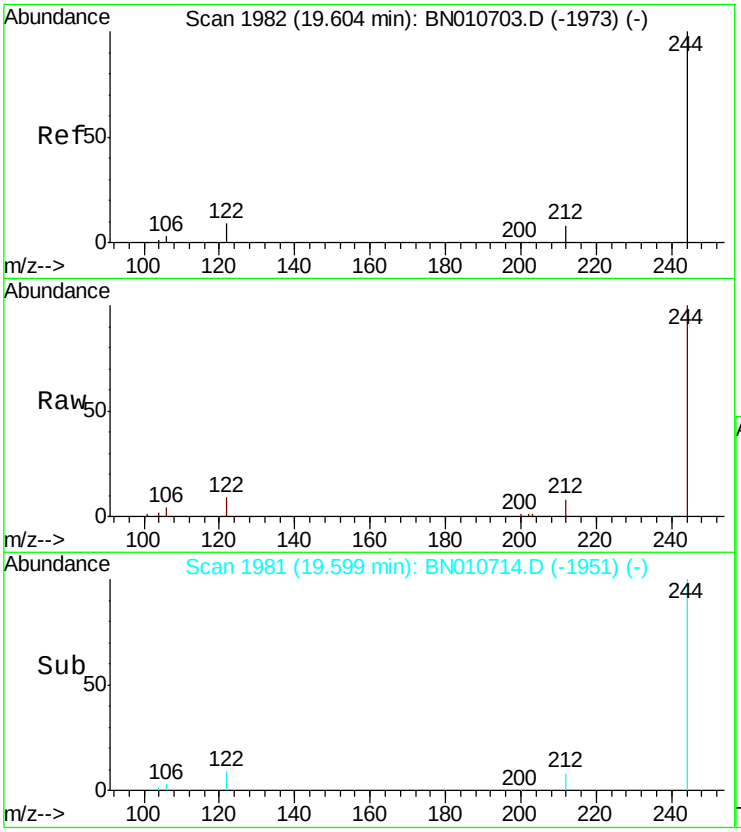


#28
Pyrene
Concen: 0.382 ng
RT: 19.38 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:202 Resp: 21507

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.6	14.1	21.1



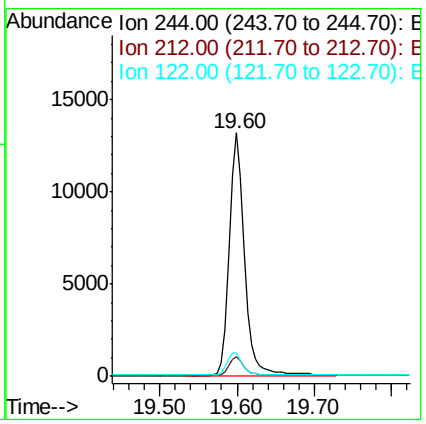


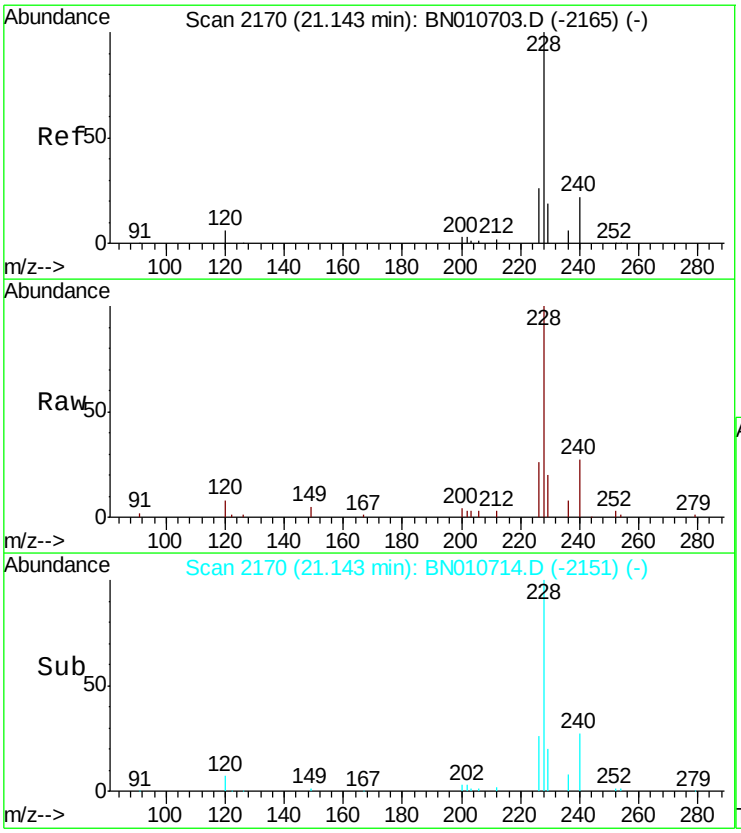
#29
Terphenyl-d14
Concen: 0.484 ng
RT: 19.60 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:244 Resp: 18022

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.8	10.2
122	9.4	8.1	12.1

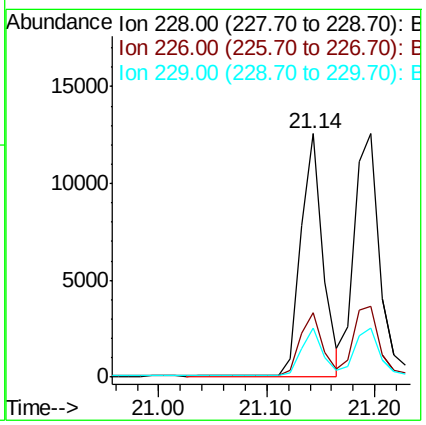


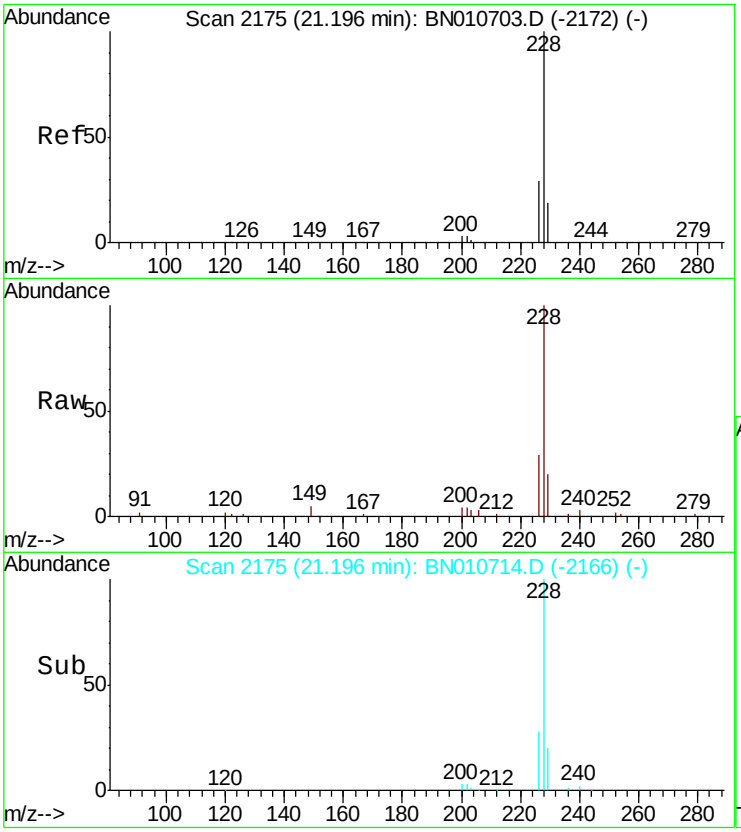


#30
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.14 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:228 Resp: 17555

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.3	31.9
229	20.2	16.0	24.0



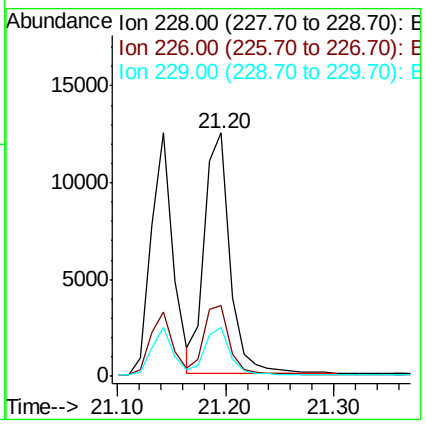


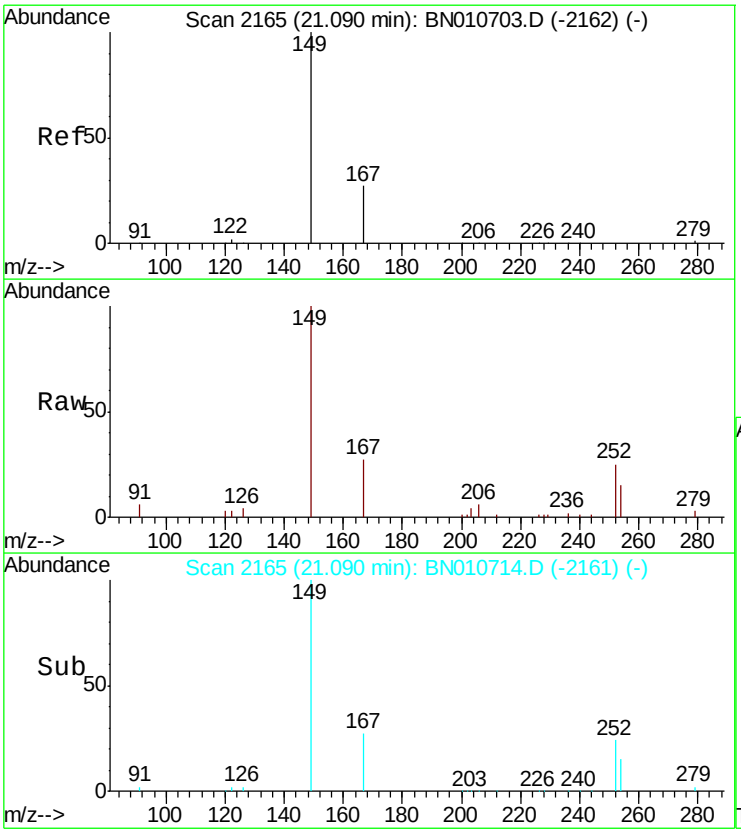
#31
Chrysene
Concen: 0.389 ng
RT: 21.20 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:228 Resp: 20163

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.0
229	20.3	16.1	24.1

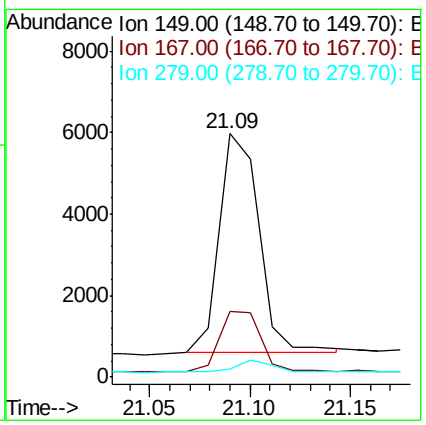


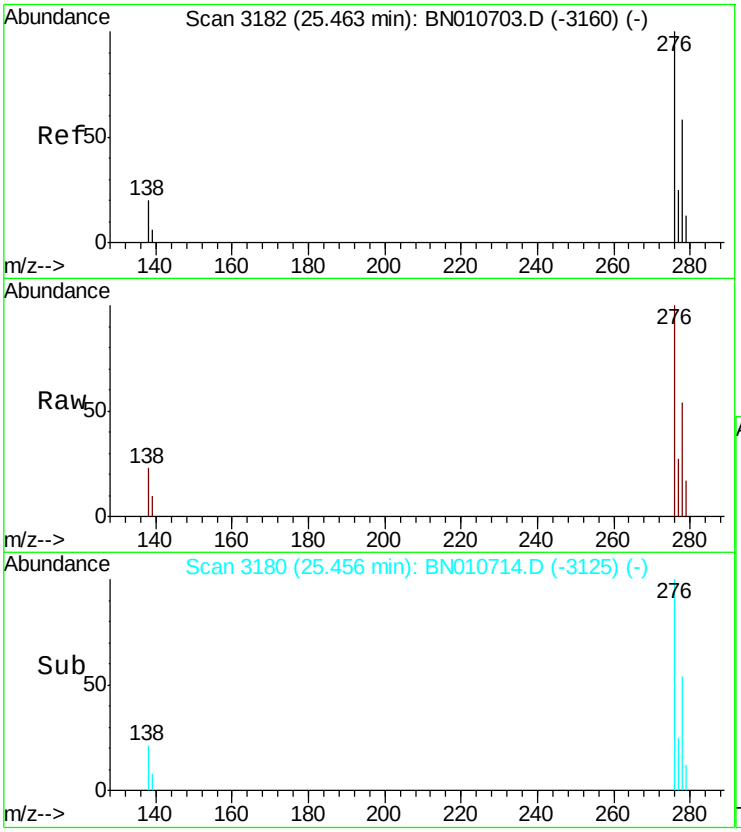


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.374 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:149 Resp: 7503

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.5	33.7
279	5.1	4.1	6.1



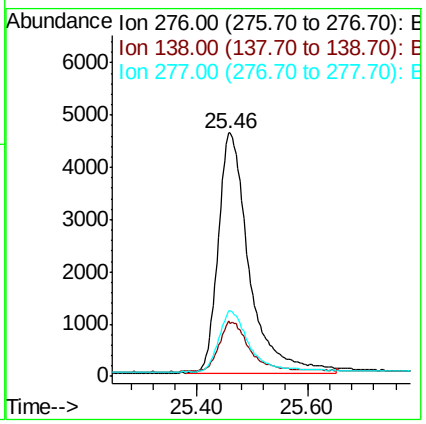


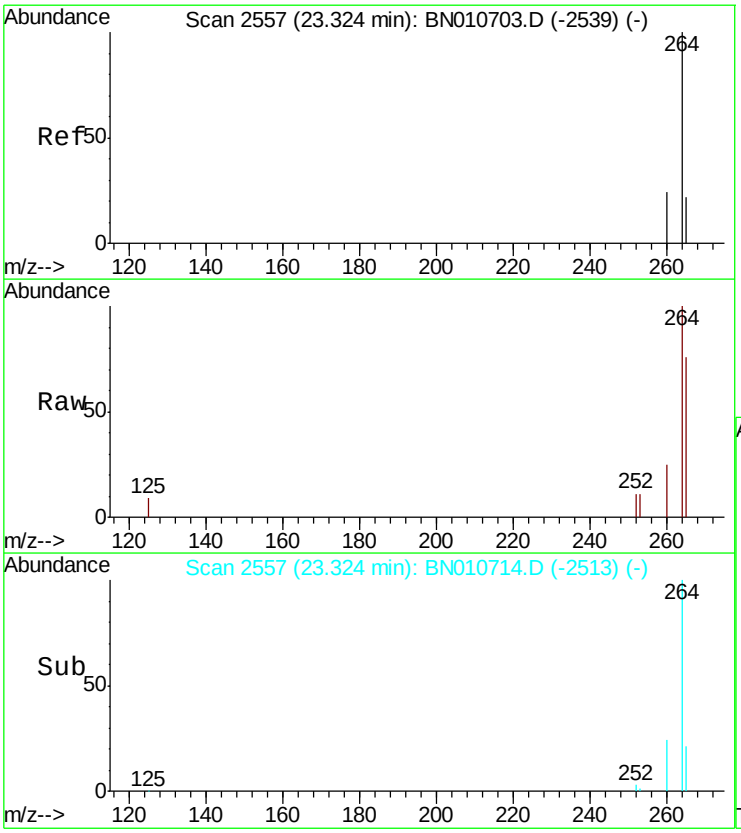
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 25.46 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:276 Resp: 17841

Ion	Ratio	Lower	Upper
276	100		
138	20.0	15.1	22.7
277	24.4	19.4	29.0

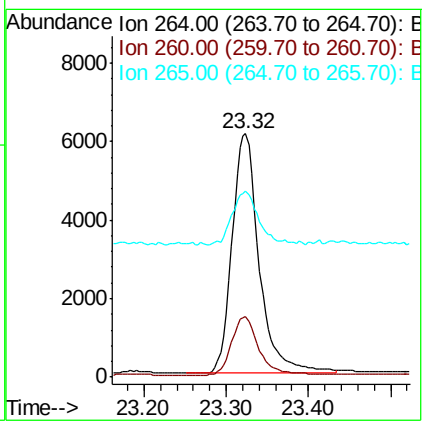


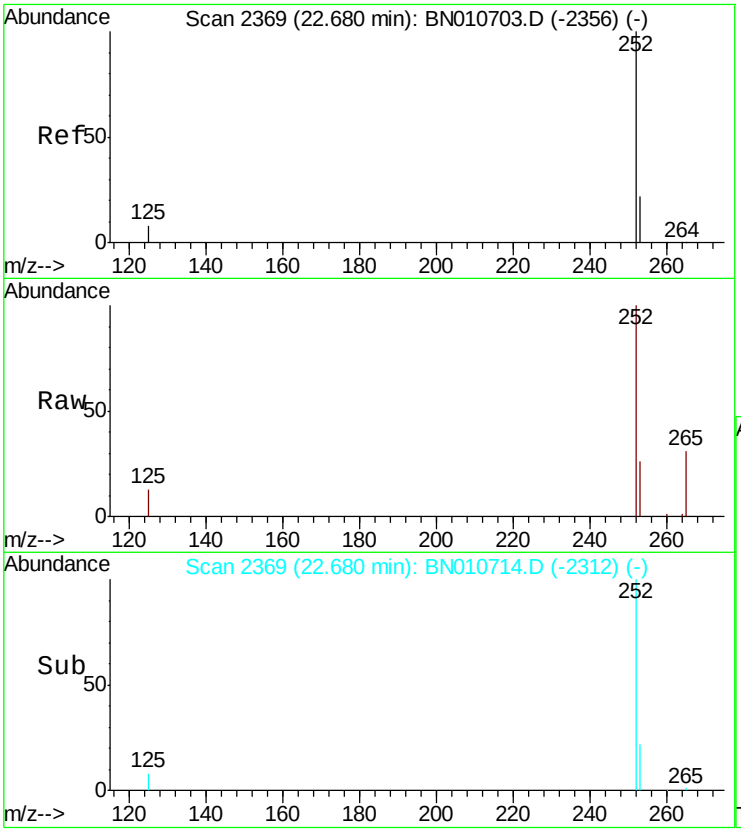


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2557
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:264 Resp: 14003

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	76.4	70.1	105.1



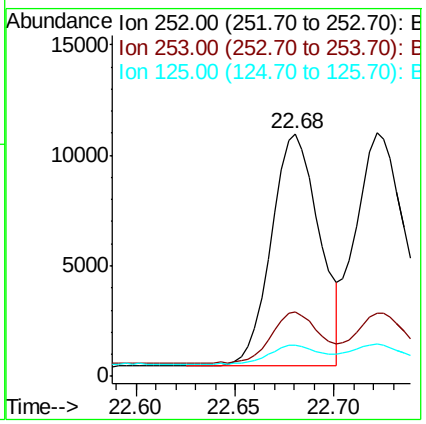


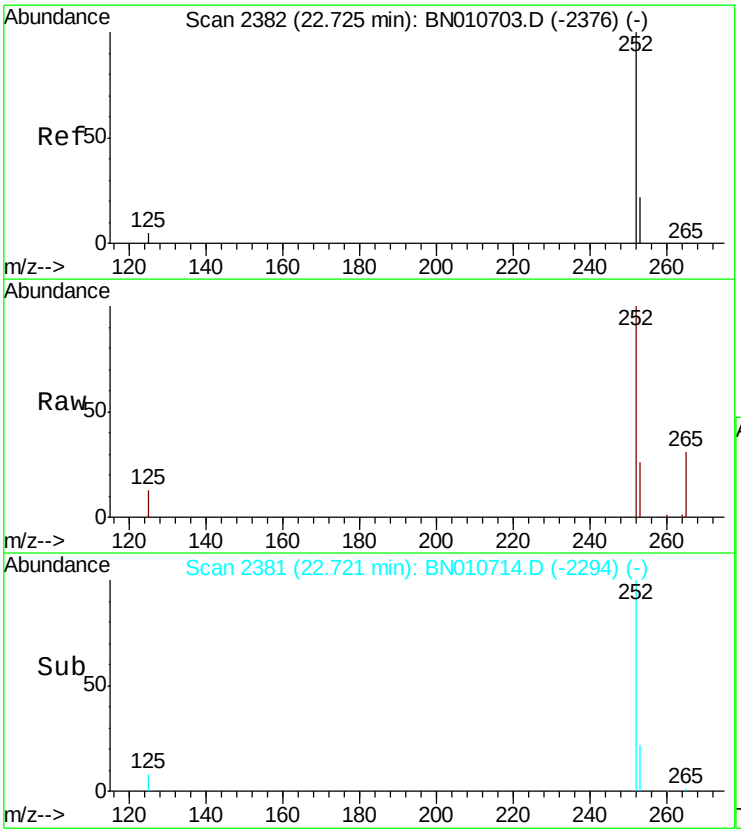
#35
Benzo(b)fluoranthene
Concen: 0.383 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:252 Resp: 17750

Ion	Ratio	Lower	Upper
252	100		
253	26.4	22.0	33.0
125	12.7	10.8	16.2

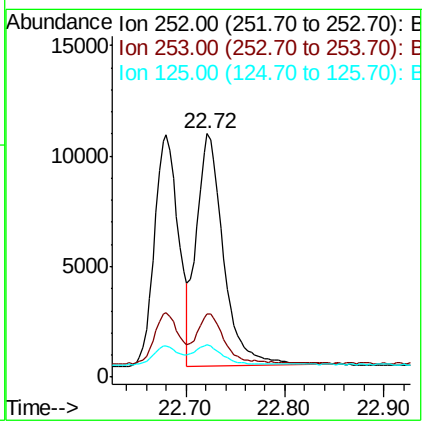


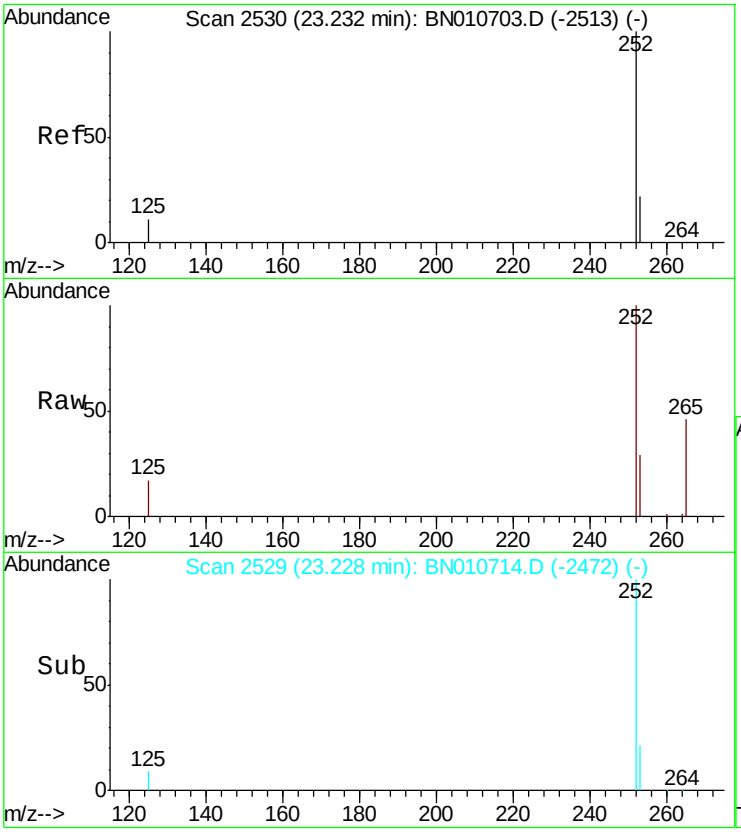


#36
Benzo(k)fluoranthene
Concen: 0.401 ng
RT: 22.72 min Scan# 2381
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:252 Resp: 20002

Ion	Ratio	Lower	Upper
252	100		
253	26.0	21.9	32.9
125	13.1	11.1	16.7



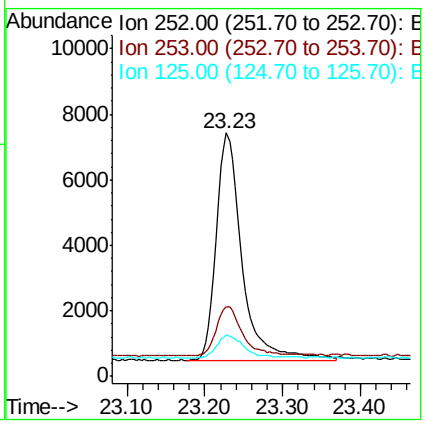


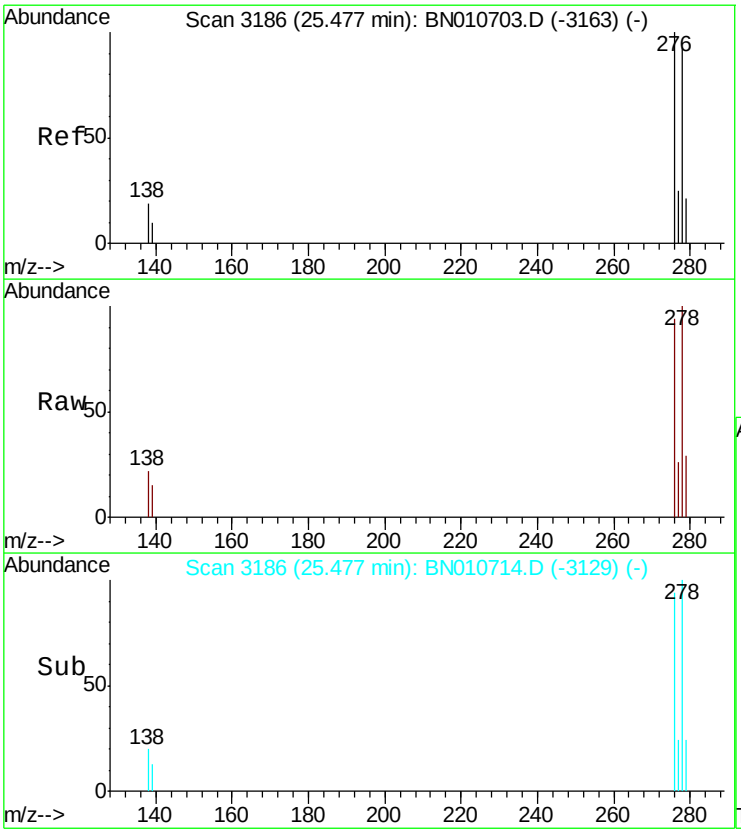
#37
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.23 min Scan# 2529
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:252 Resp: 15932

Ion	Ratio	Lower	Upper
252	100		
253	28.6	24.8	37.2
125	16.8	15.8	23.6

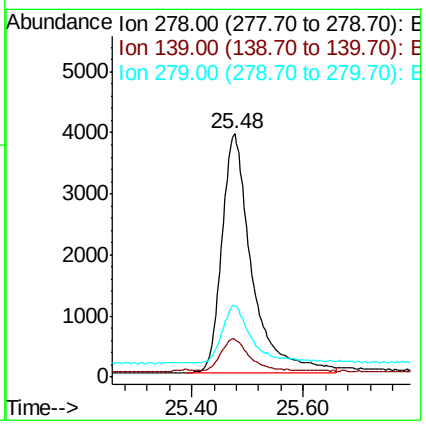


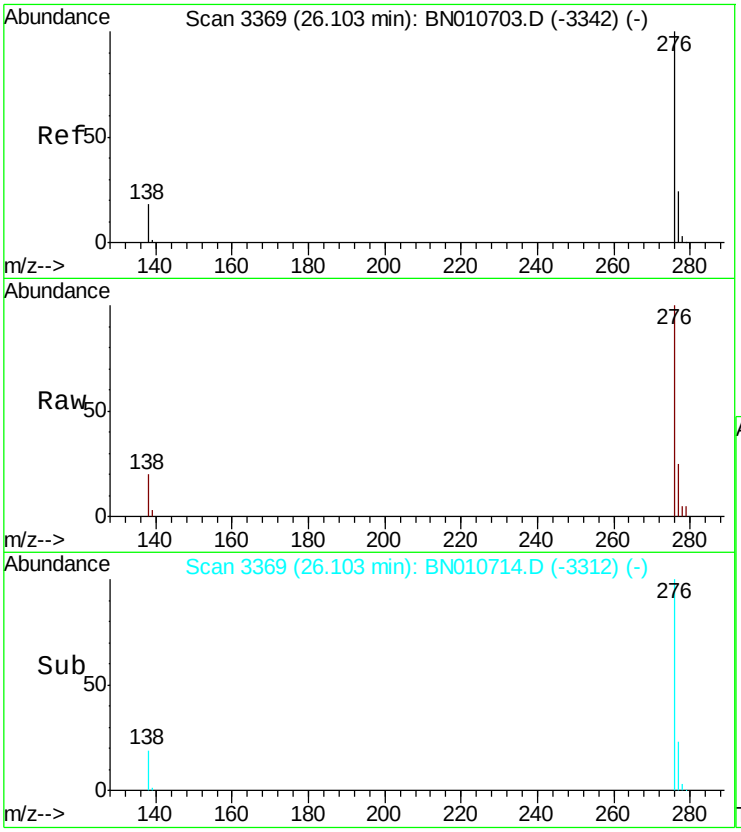


#38
Dibenzo(a,h)anthracene
Concen: 0.424 ng
RT: 25.48 min Scan# 3186
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Tgt Ion:278 Resp: 14525

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	29.0	25.1	37.7





#39
Benzo(g,h,i)perylene
Concen: 0.430 ng
RT: 26.10 min Scan# 3369
Delta R.T. -0.00 min
Lab File: BN010714.D
Acq: 14 May 2020 16:16

Instrument :
BNA_N
ClientSampleId :
PB128648BS

Tgt Ion:276 Resp: 17280

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.6	30.8
138	20.2	16.0	24.0