Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042820\
Data File : BN010631.D
Acq On : 28 Apr 2020 19:24
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Apr 28 19:54:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 28 11:13:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	4348	0.40	ng		0.00
7) Naphthalene-d8	10.34	136	18482	0.40	ng		0.00
13) Acenaphthene-d10	14.21	164	11863	0.40	ng		0.00
19) Phenanthrene-d10	16.96	188	26385	0.40	ng		0.00
27) Chrysene-d12	21.17	240	22286	0.40	ng		0.00
34) Perylene-d12	23.33	264	20951	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.23	112	4032	0.42	ng		0.00
5) Phenol-d6	6.78	99	5243	0.42	ng		0.00
8) Nitrobenzene-d5	8.72	82	5222	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.94	152	14056	0.46	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	1919	0.34	ng		0.00
15) 2-Fluorobiphenyl	12.83	172	17079	0.40	ng		0.00
25) Fluoranthene-d10	19.00	212	34351	0.43	ng		0.00
29) Terphenyl-d14	19.61	244	23118	0.45	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	1307	0.408	ng		98
3) n-Nitrosodimethylamine	3.55	42	917	0.442	ng	#	79
6) bis(2-Chloroethyl)ether	7.03	93	4560	0.423	ng		99
9) Naphthalene	10.39	128	18713	0.408	ng		100
10) Hexachlorobutadiene	10.70	225	4484	0.405	ng	#	100
12) 2-Methylnaphthalene	12.01	142	13484	0.409	ng		100
16) Acenaphthylene	13.92	152	19313	0.377	ng		100
17) Acenaphthene	14.28	154	13179	0.400	ng		99
18) Fluorene	15.27	166	17248	0.400	ng		99
20) 4-Bromophenyl-phenylether	16.16	248	5695	0.389	ng		94
21) Hexachlorobenzene	16.28	284	6989	0.418	ng		99
22) Pentachlorophenol	16.62	266	2081	0.316	ng		99
23) Phenanthrene	17.00	178	29142	0.409	ng		100
24) Anthracene	17.09	178	24843	0.381	ng		100
26) Fluoranthene	19.03	202	33870	0.382	ng		99
28) Pyrene	19.39	202	34112	0.455	ng		100
30) Benzo(a)anthracene	21.14	228	28321	0.390	ng		100
31) Chrysene	21.20	228	28713	0.396	ng		99
32) Bis(2-ethylhexyl)phthalate	21.10	149	14448	0.387	ng		99
33) Indeno(1,2,3-cd)pyrene	25.47	276	29702	0.464	ng		99
35) Benzo(b)fluoranthene	22.69	252	27029	0.392	ng		99
36) Benzo(k)fluoranthene	22.73	252	28144	0.407	ng		97
37) Benzo(a)pyrene	23.24	252	23946	0.392	ng		99
38) Dibenzo(a,h)anthracene	25.48	278	23797	0.426	ng		99
39) Benzo(g,h,i)perylene	26.12	276	24271	0.432	ng		100

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

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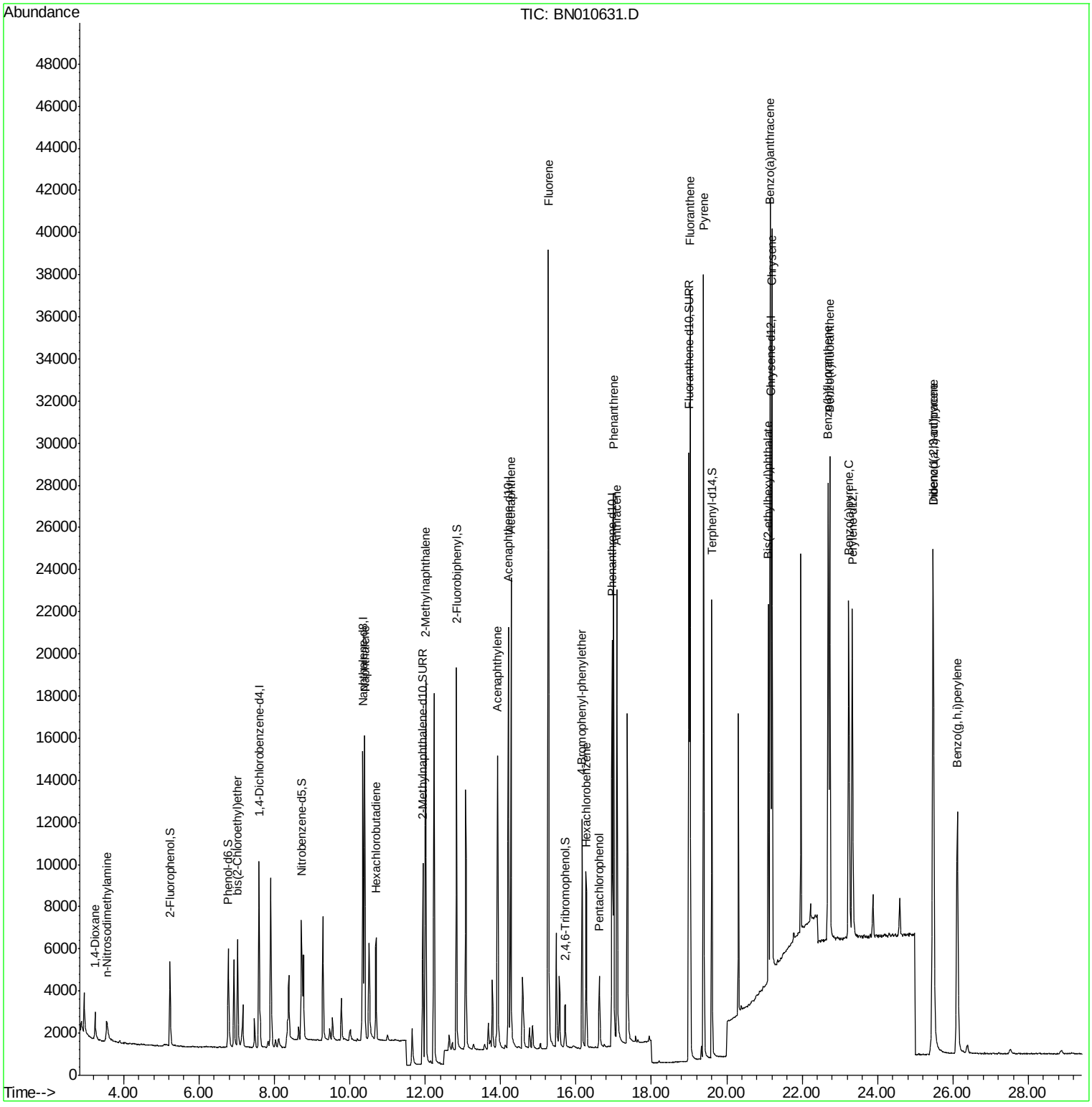
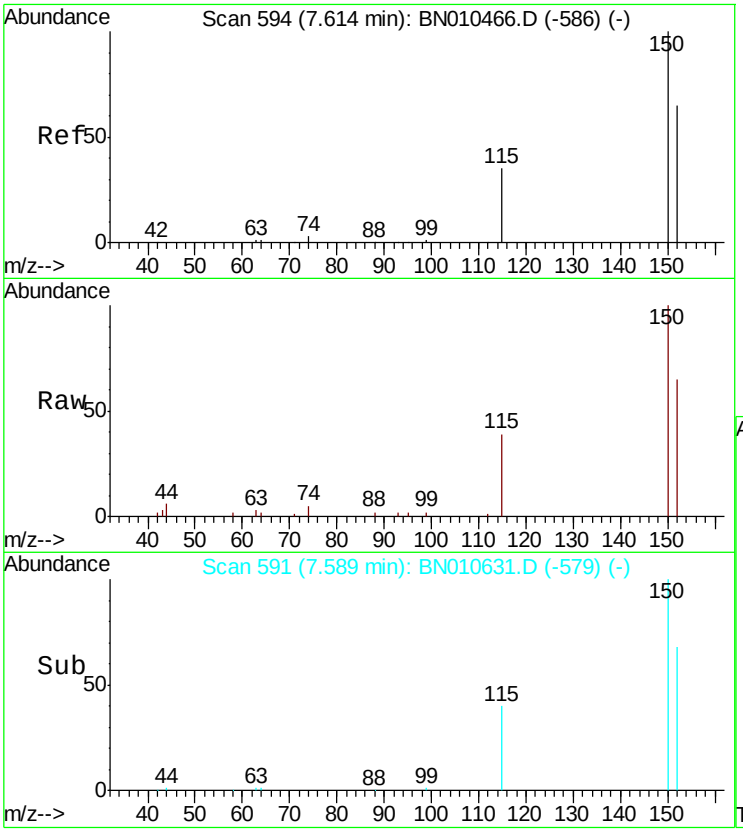
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Apr 28 19:54:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 28 11:13:37 2020
Response via : Initial Calibration



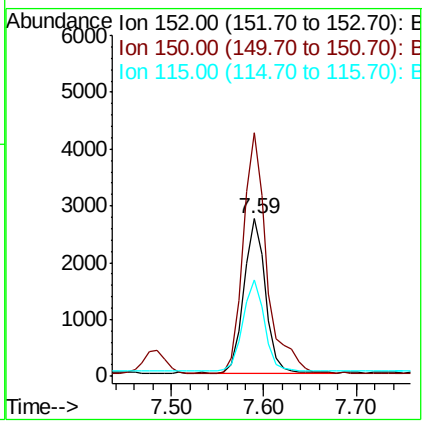


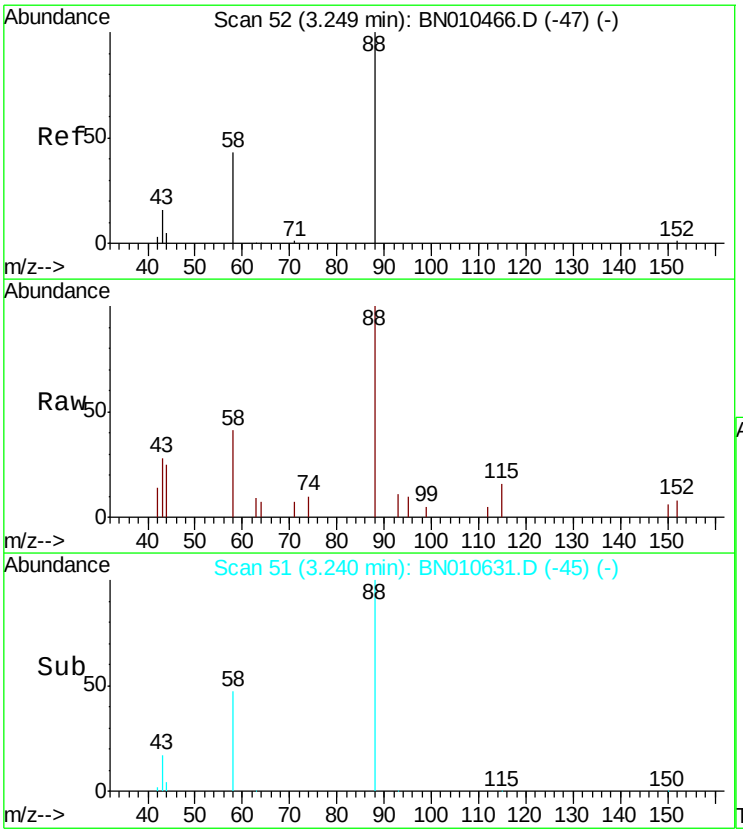
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 591
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4348

Ion	Ratio	Lower	Upper
152	100		
150	154.7	121.8	182.6
115	61.0	45.5	68.3

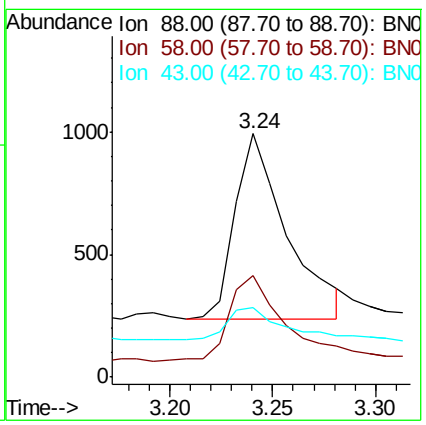


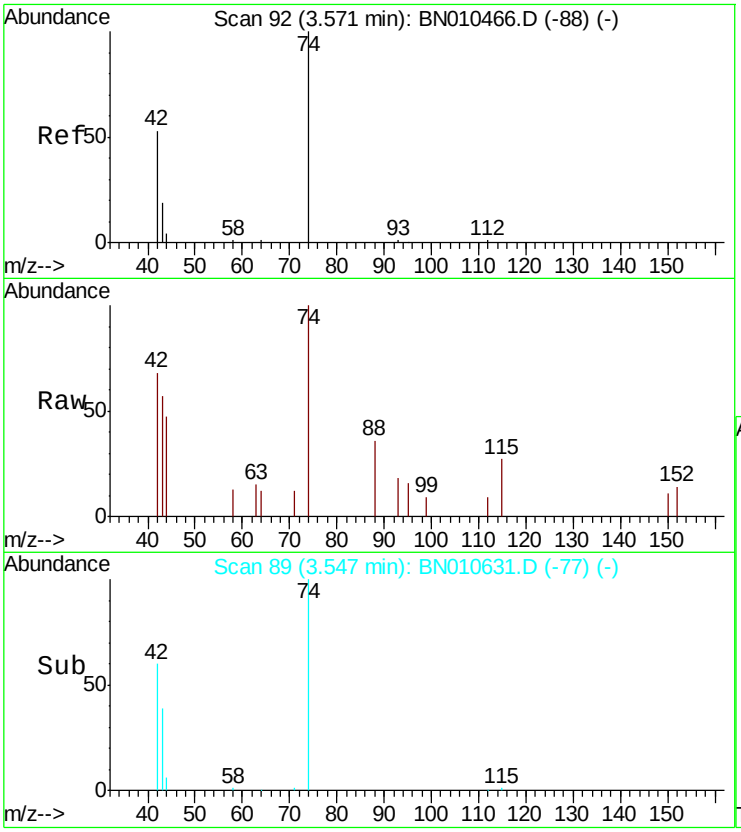


#2
1,4-Dioxane
Concen: 0.408 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion: 88 Resp: 1307

Ion	Ratio	Lower	Upper
88	100		
58	46.4	36.5	54.7
43	17.8	13.2	19.8



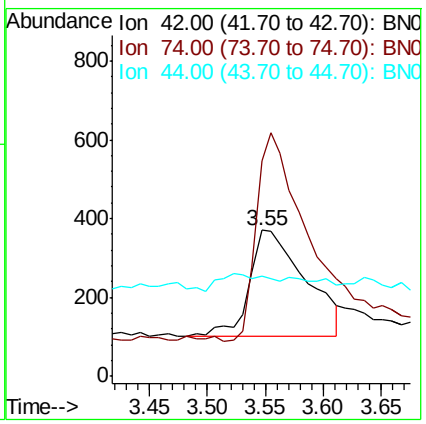


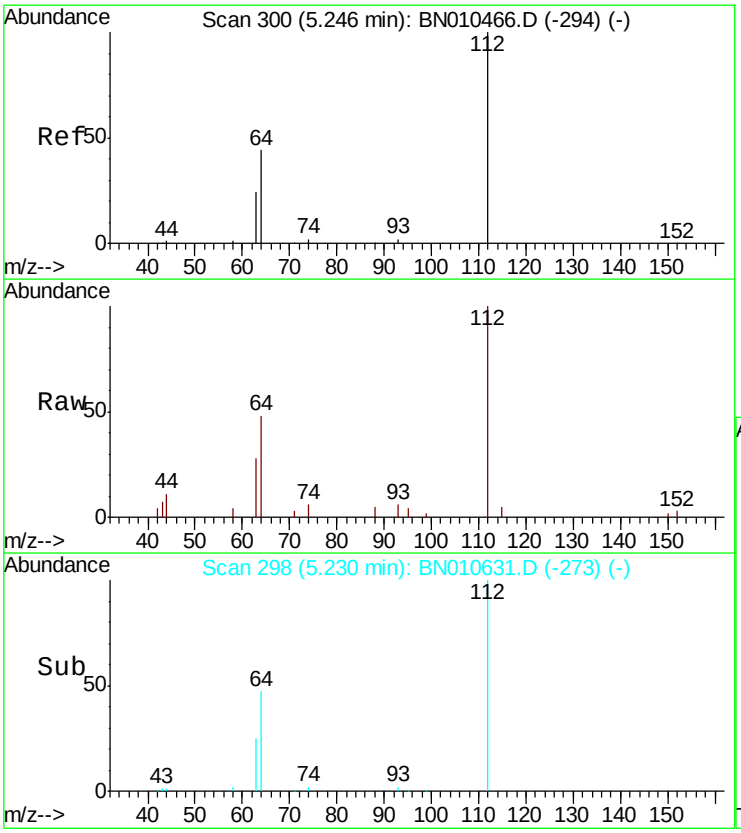
#3
n-Nitrosodimethylamine
Concen: 0.442 ng
RT: 3.55 min Scan# 89
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 917

Ion	Ratio	Lower	Upper
42	100		
74	169.7	162.2	243.4
44	0.0	2.4	3.6#

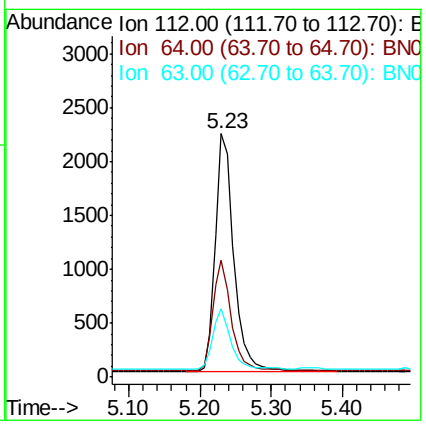


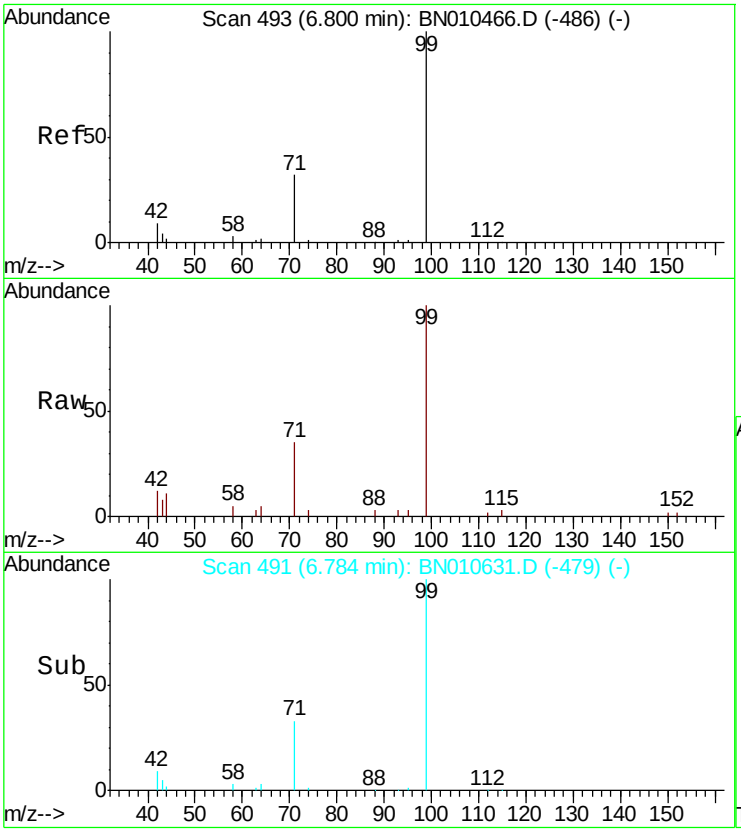


#4
2-Fluorophenol
Concen: 0.423 ng
RT: 5.23 min Scan# 298
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:112 Resp: 4032

Ion	Ratio	Lower	Upper
112	100		
64	45.9	35.8	53.8
63	24.1	19.9	29.9



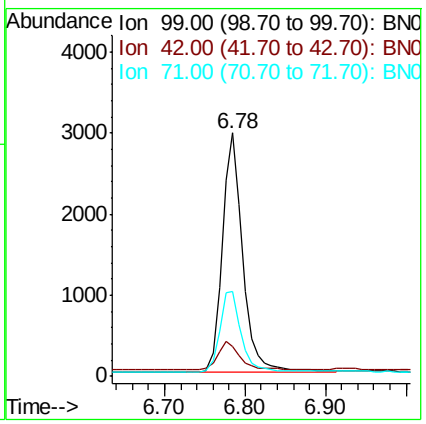


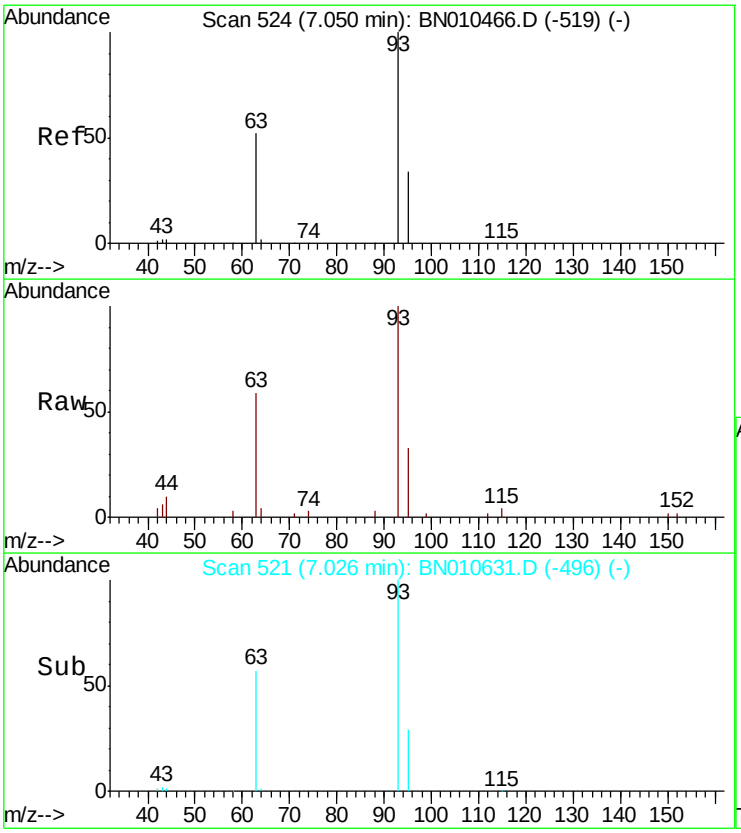
#5
Phenol-d6
Concen: 0.421 ng
RT: 6.78 min Scan# 491
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 5243

Ion	Ratio	Lower	Upper
99	100		
42	12.4	9.8	14.6
71	34.8	27.8	41.8

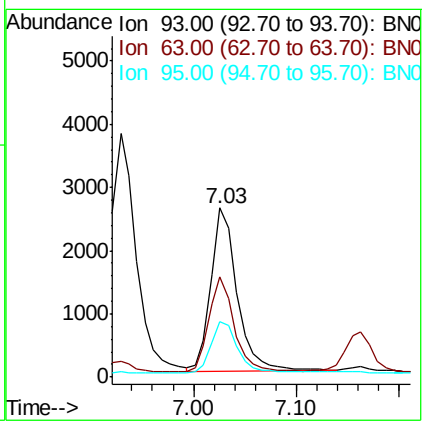


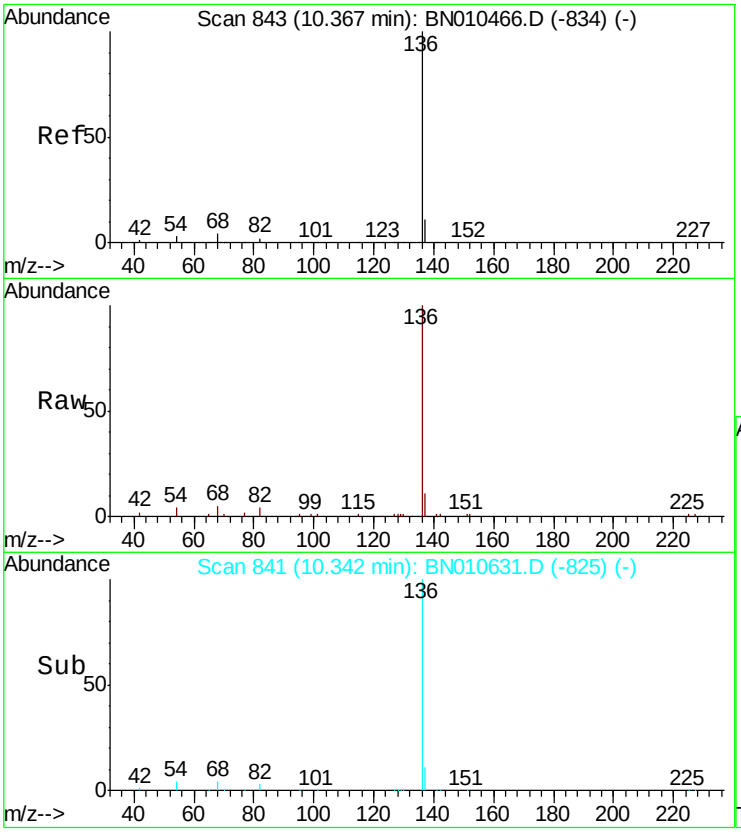


#6
bis(2-Chloroethyl)ether
Concen: 0.423 ng
RT: 7.03 min Scan# 521
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion: 93 Resp: 4560

Ion	Ratio	Lower	Upper
93	100		
63	57.1	44.6	66.8
95	32.9	26.5	39.7



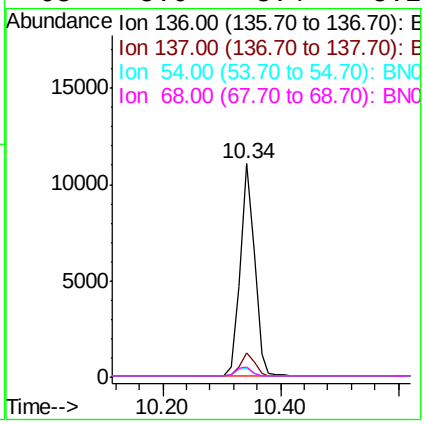


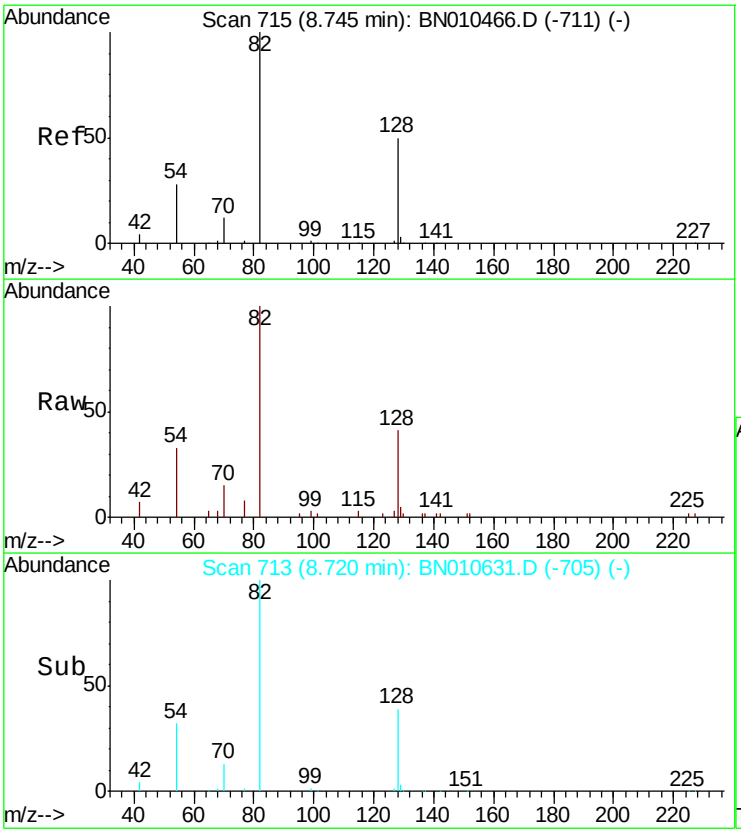
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.34 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 18482

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	4.0	2.6	4.0#
68	5.0	3.4	5.2

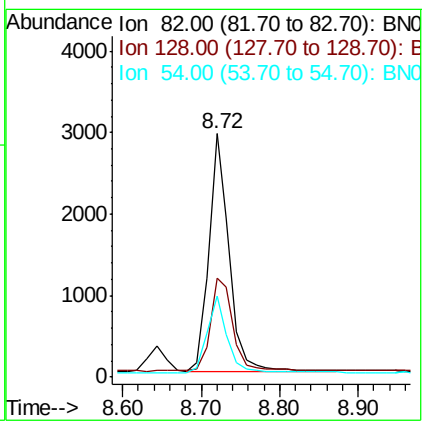


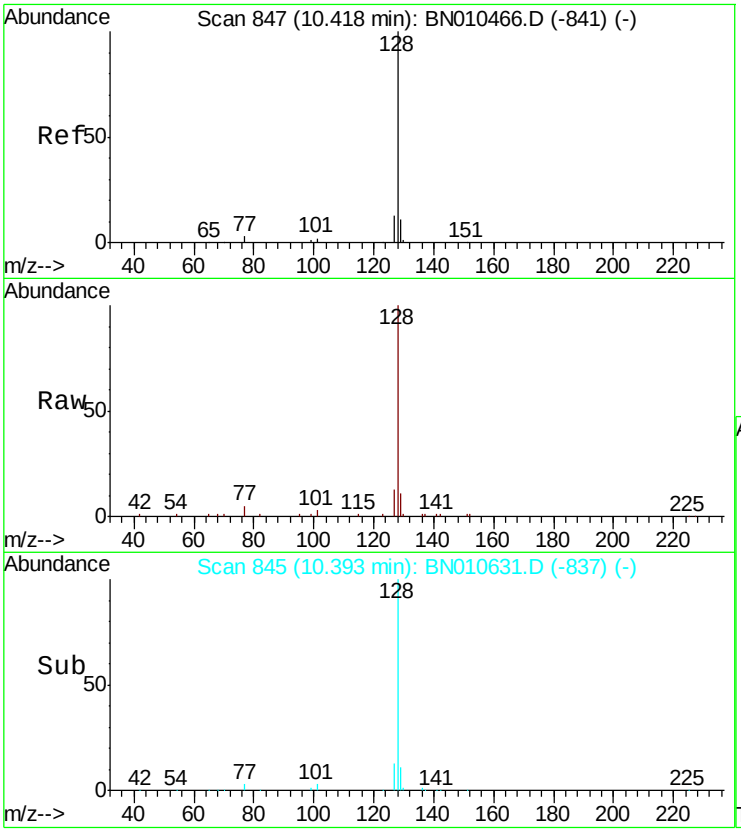


#8
Nitrobenzene-d5
Concen: 0.404 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion: 82 Resp: 5222

Ion	Ratio	Lower	Upper
82	100		
128	40.7	41.3	61.9#
54	33.2	23.4	35.0



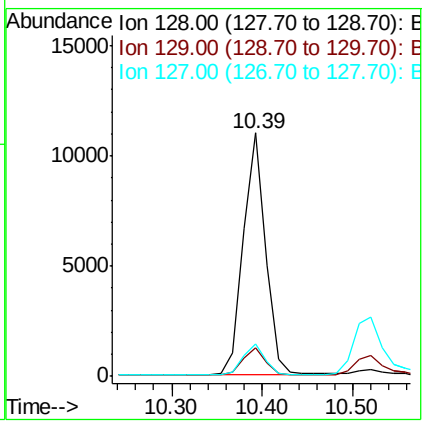


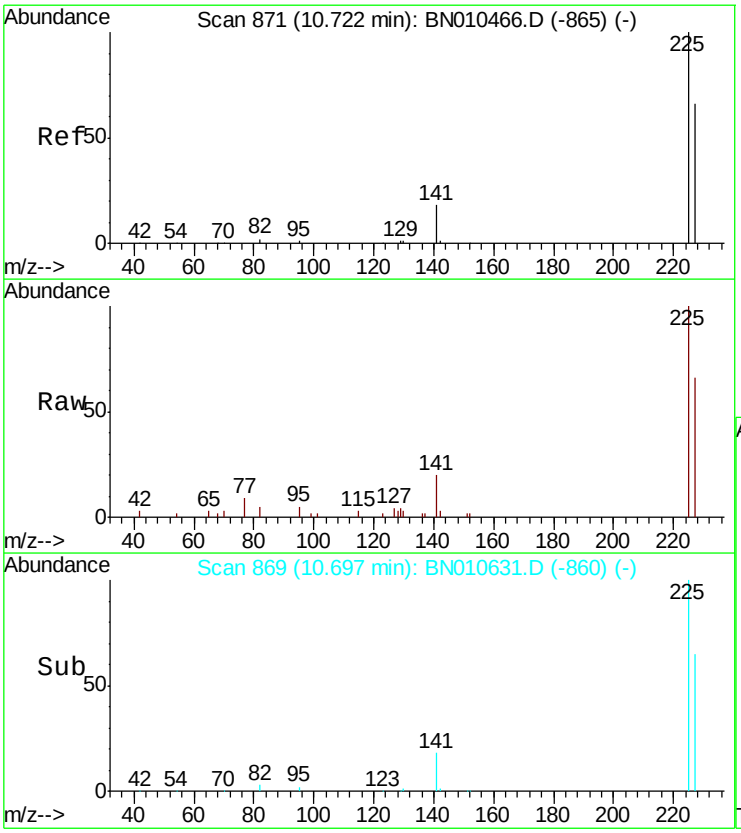
#9
Naphthalene
Concen: 0.408 ng
RT: 10.39 min Scan# 845
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 18713

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.2	10.5	15.7

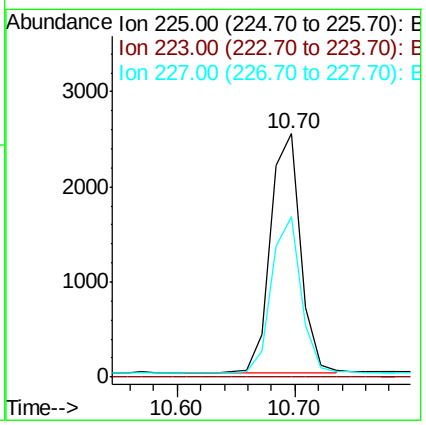


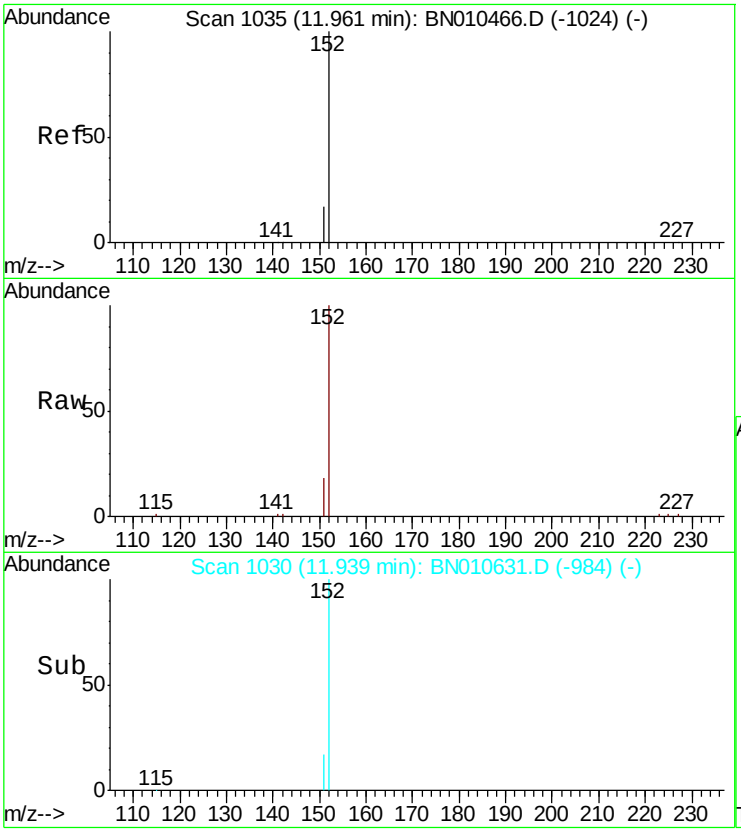


#10
Hexachlorobutadiene
Concen: 0.405 ng
RT: 10.70 min Scan# 869
Delta R.T. 0.01 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:225 Resp: 4484

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.6	76.0



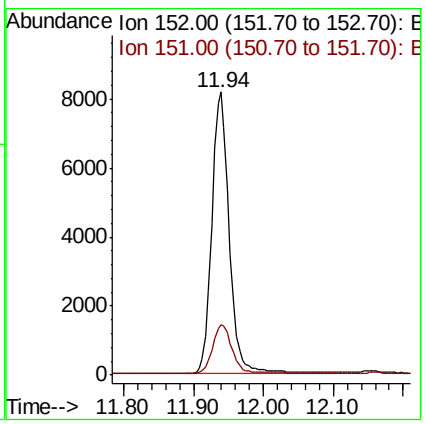


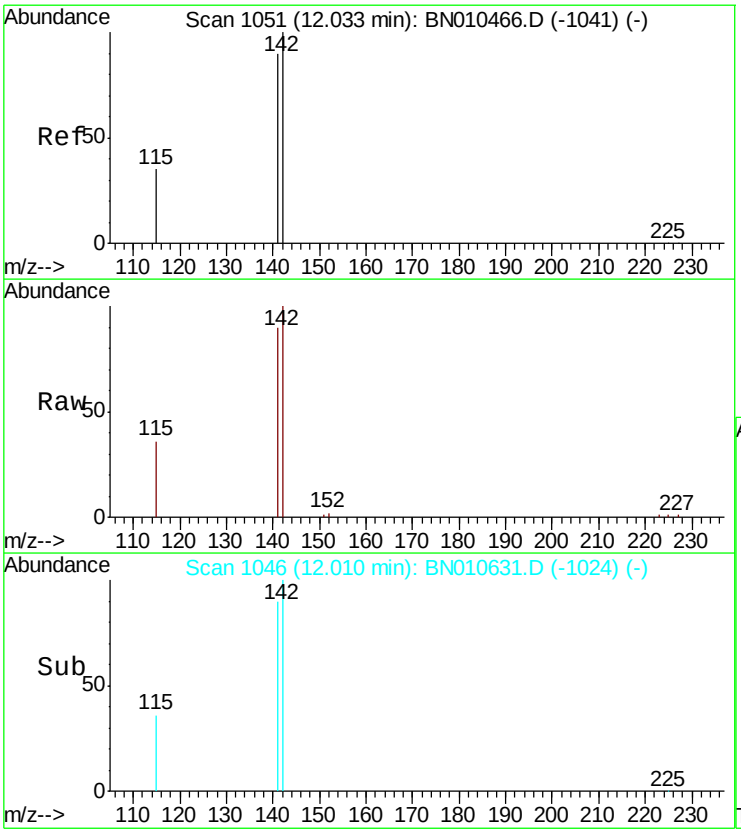
#11
2-Methylnaphthalene-d10
Concen: 0.463 ng
RT: 11.94 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 14056

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.3	22.9

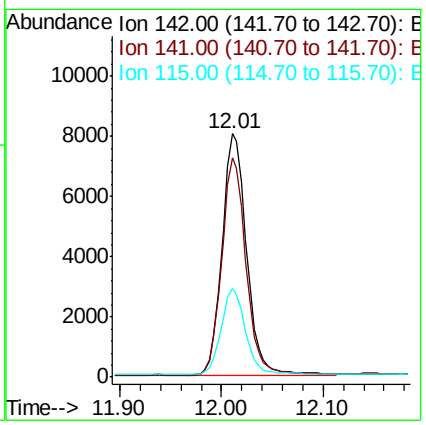


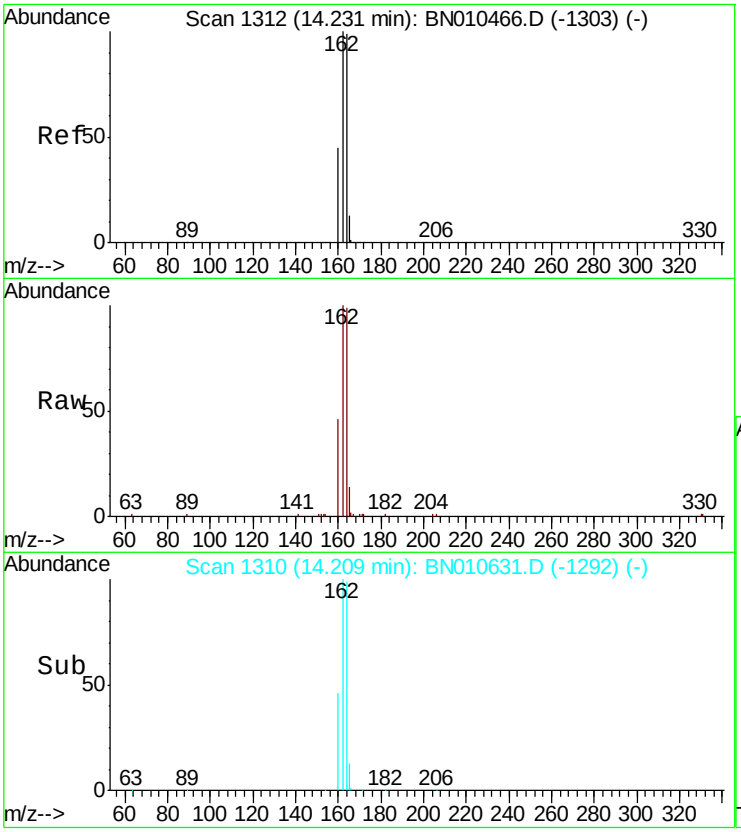


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.01 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:142 Resp: 13484

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.9	107.9
115	36.5	28.8	43.2



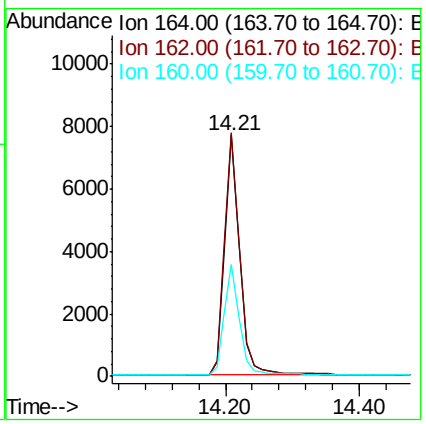


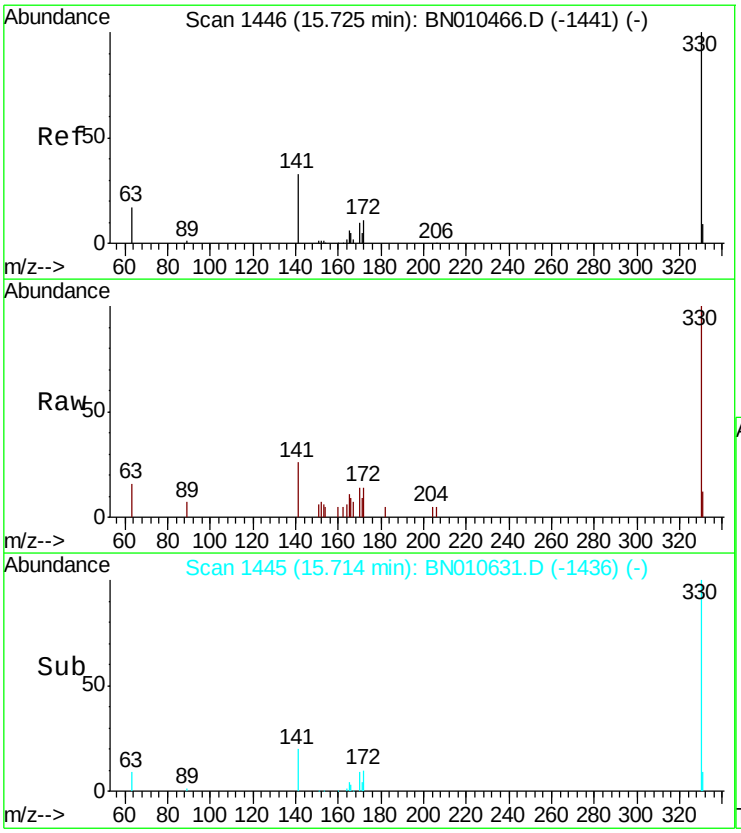
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 11863

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	121.0
160	46.5	36.5	54.7

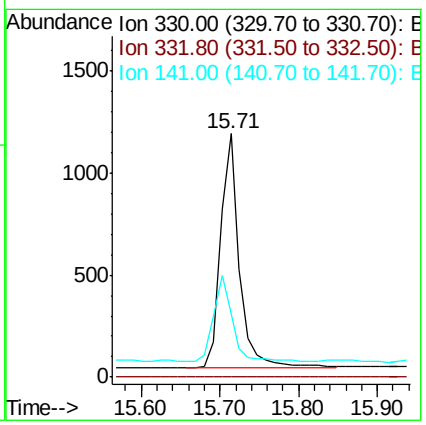


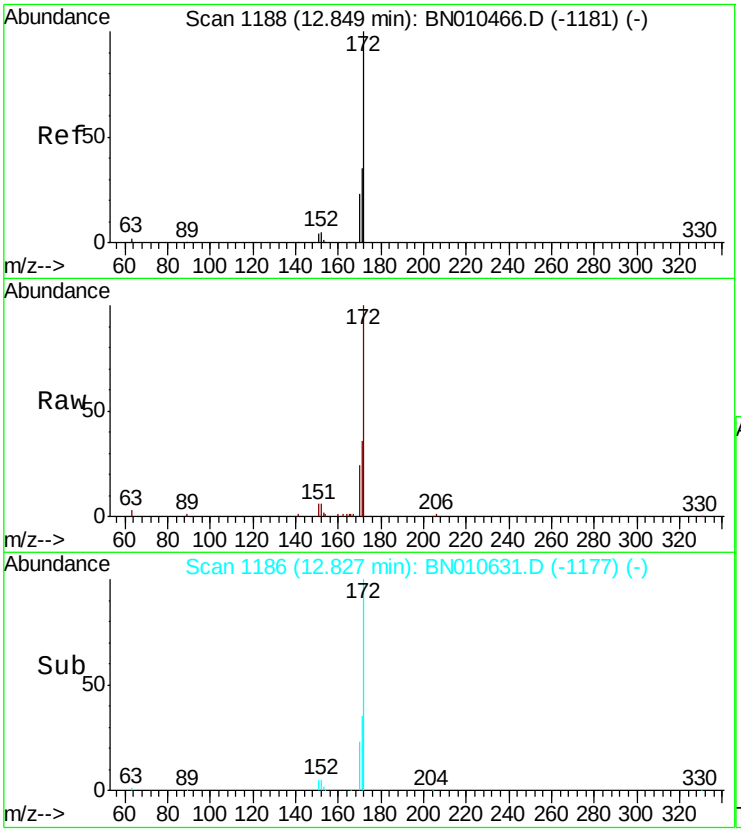


#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.71 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:330 Resp: 1919

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.1	28.1	42.1



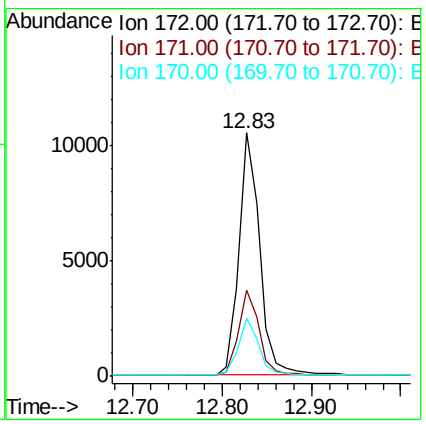


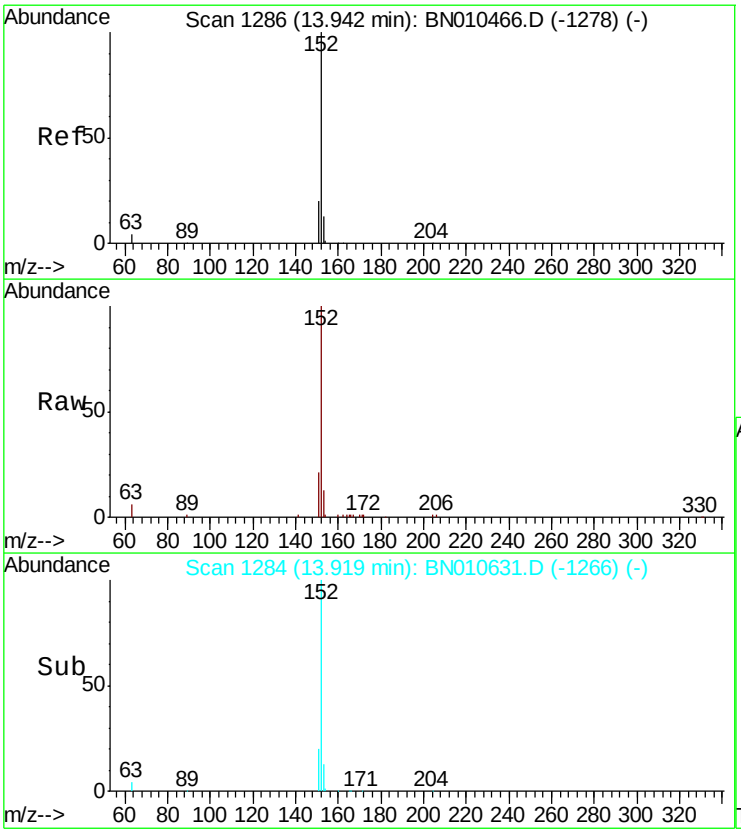
#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 12.83 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 17079

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.6	18.4	27.6

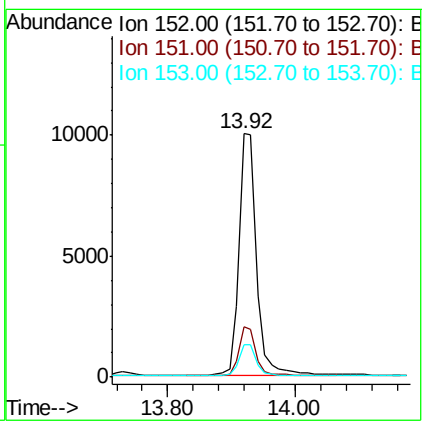


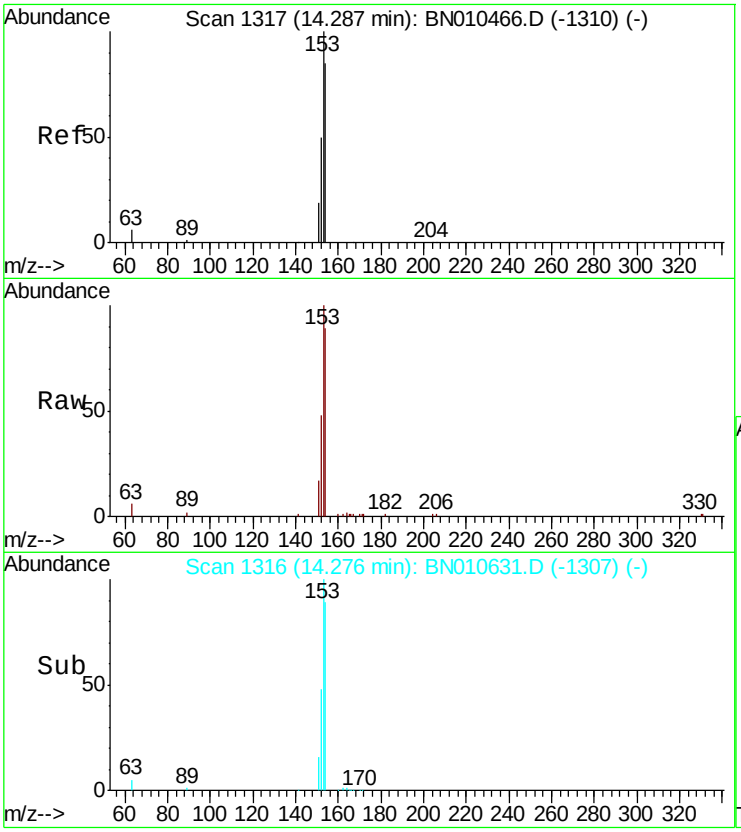


#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.92 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:152 Resp: 19313

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.6	15.8



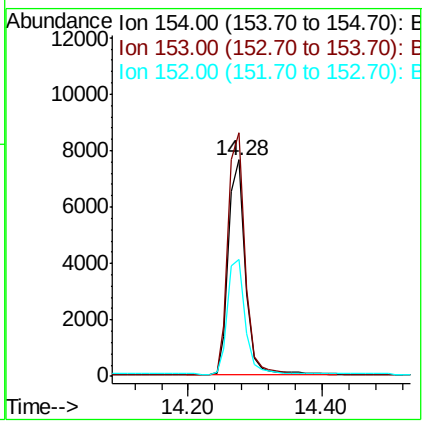


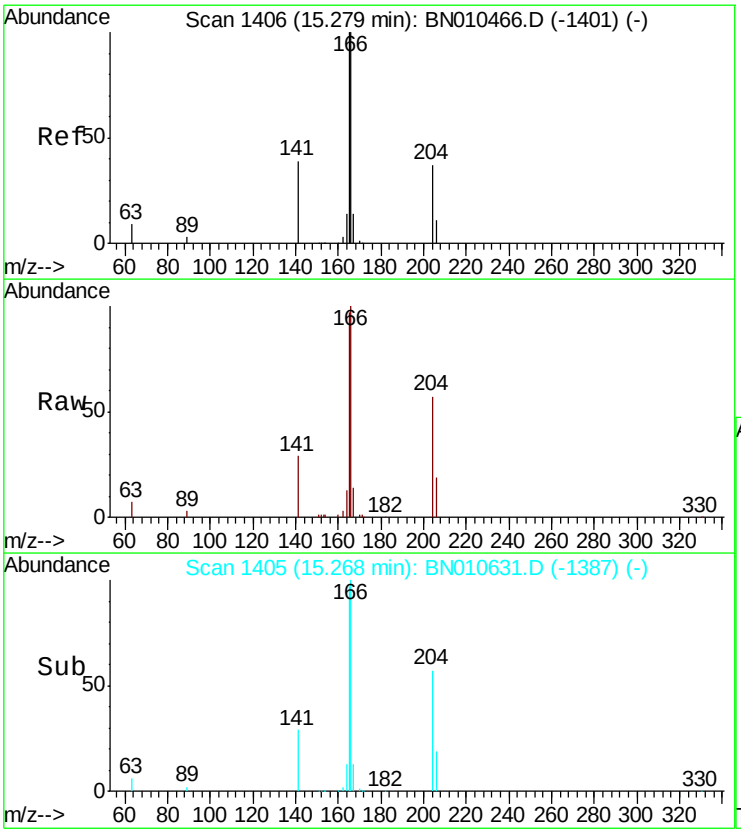
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.28 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 13179

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.0	136.4
152	56.2	44.6	67.0

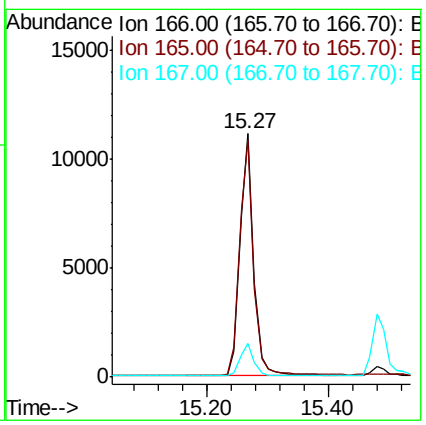


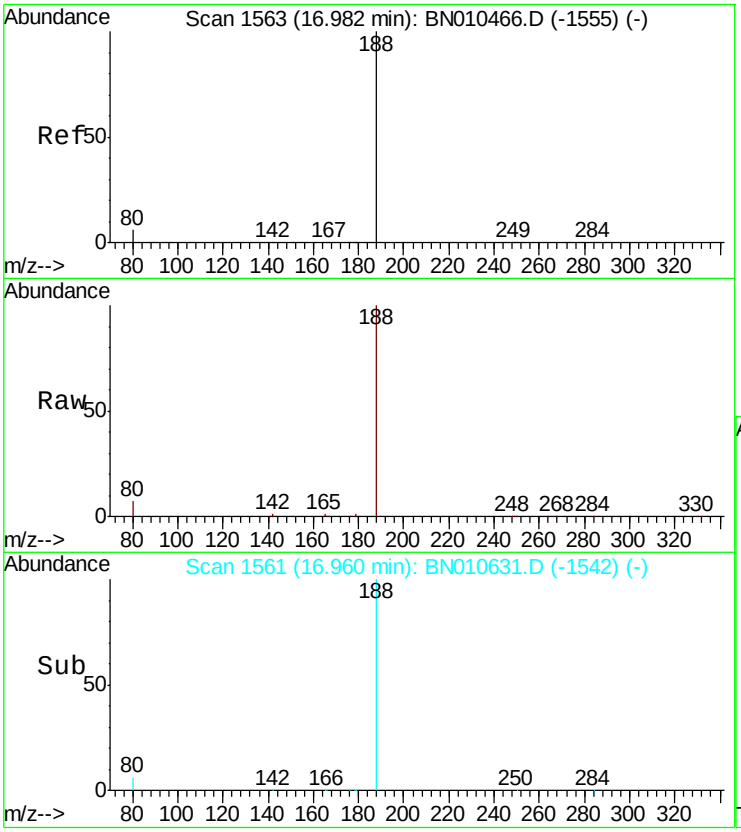


#18
Fluorene
Concen: 0.400 ng
RT: 15.27 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:166 Resp: 17248

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.4	117.6
167	13.3	10.9	16.3



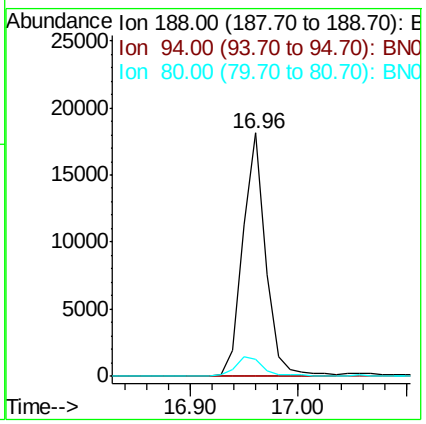


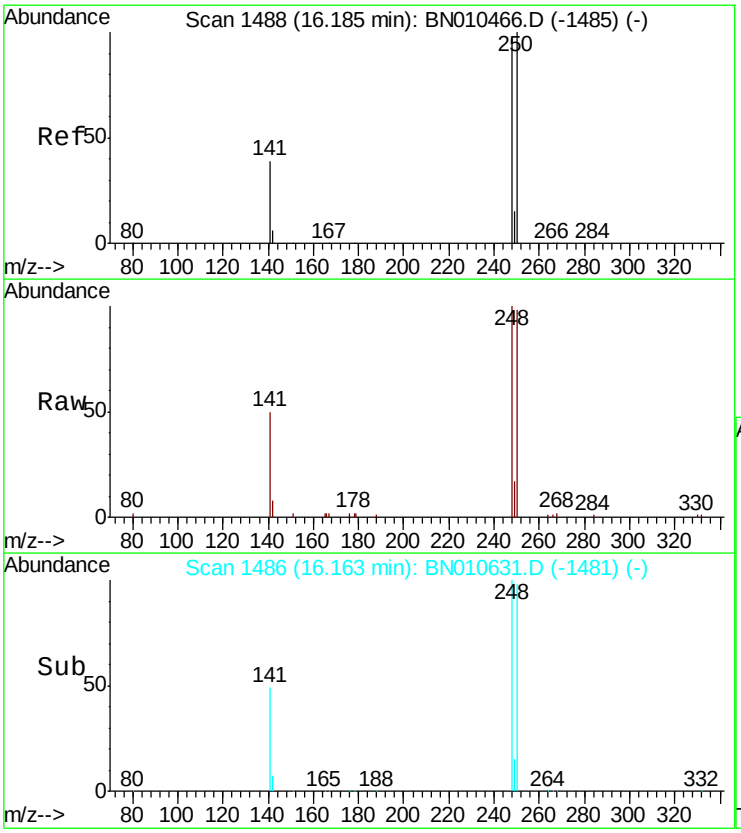
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 26385

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	5.0	7.6

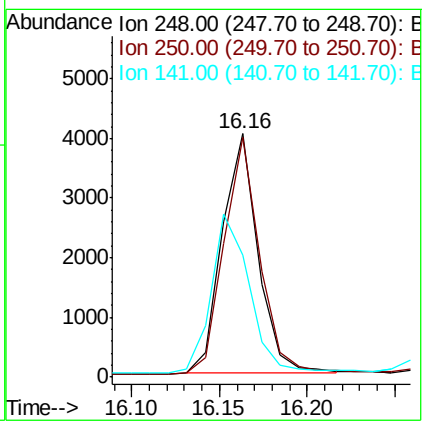


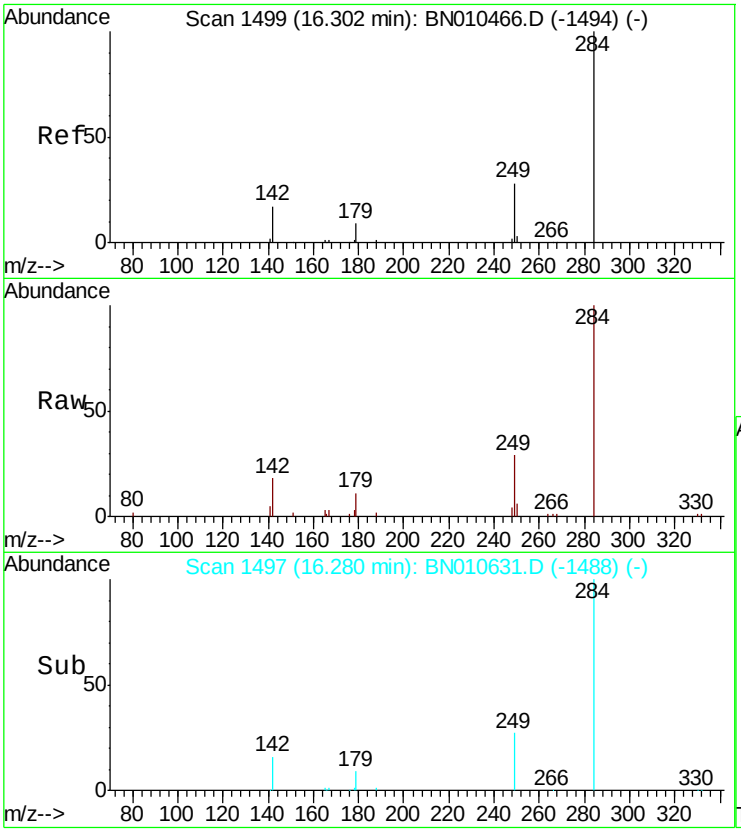


#20
4-Bromophenyl-phenylether
Concen: 0.389 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:248 Resp: 5695

Ion	Ratio	Lower	Upper
248	100		
250	98.5	82.3	123.5
141	50.0	35.2	52.8



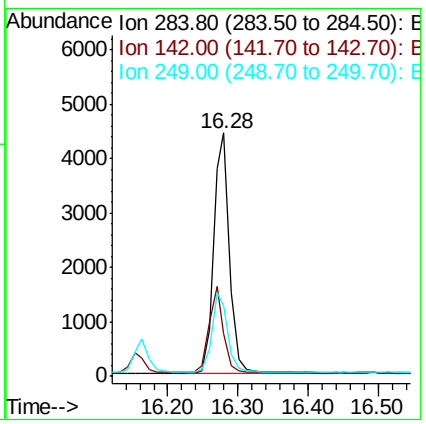


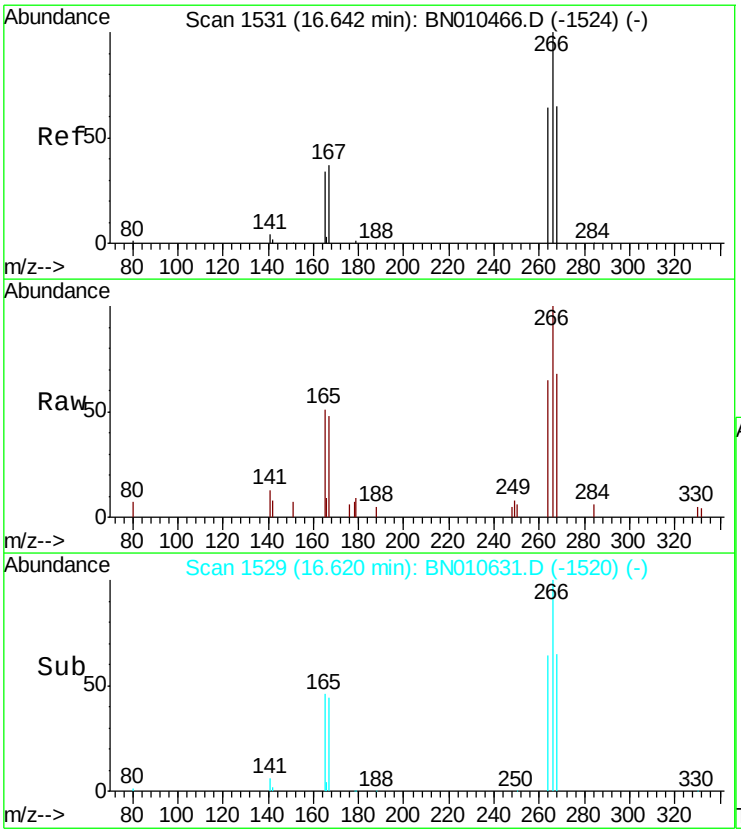
#21
Hexachlorobenzene
Concen: 0.418 ng
RT: 16.28 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 6989

Ion	Ratio	Lower	Upper
284	100		
142	32.7	25.5	38.3
249	33.0	25.8	38.6

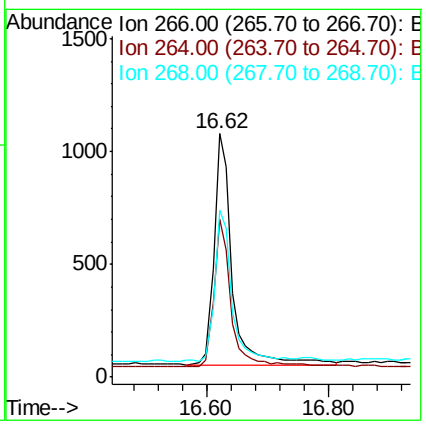


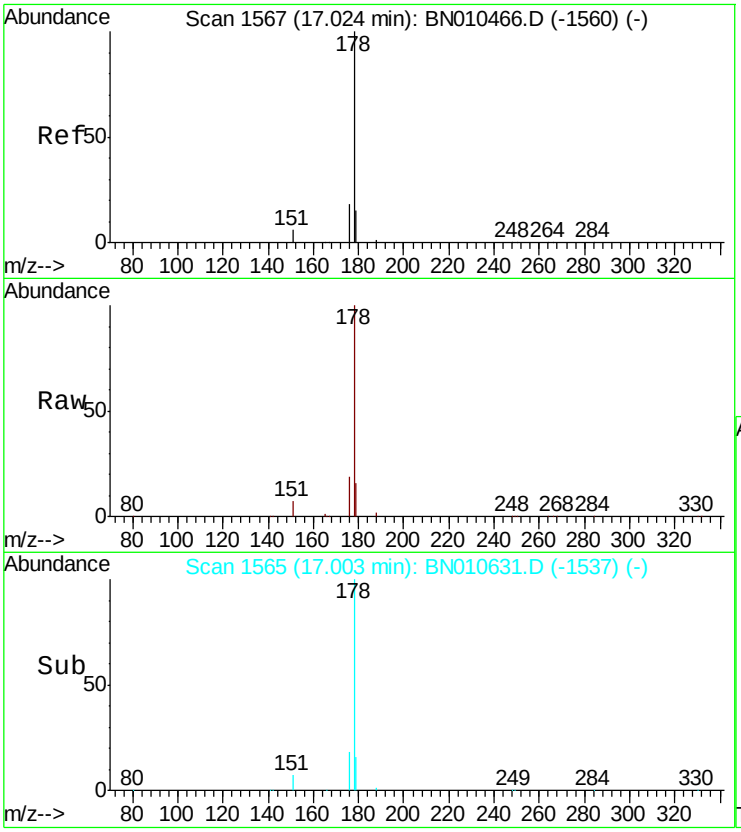


#22
Pentachlorophenol
Concen: 0.316 ng
RT: 16.62 min Scan# 1529
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:266 Resp: 2081

Ion	Ratio	Lower	Upper
266	100		
264	65.0	51.8	77.6
268	68.5	53.7	80.5



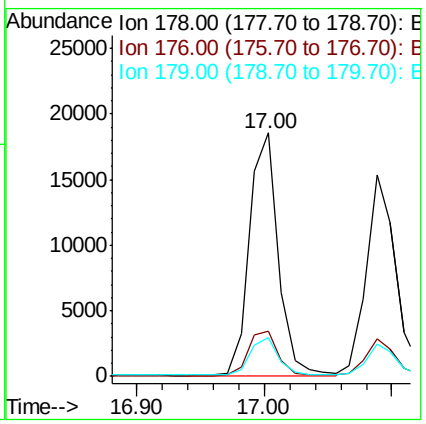


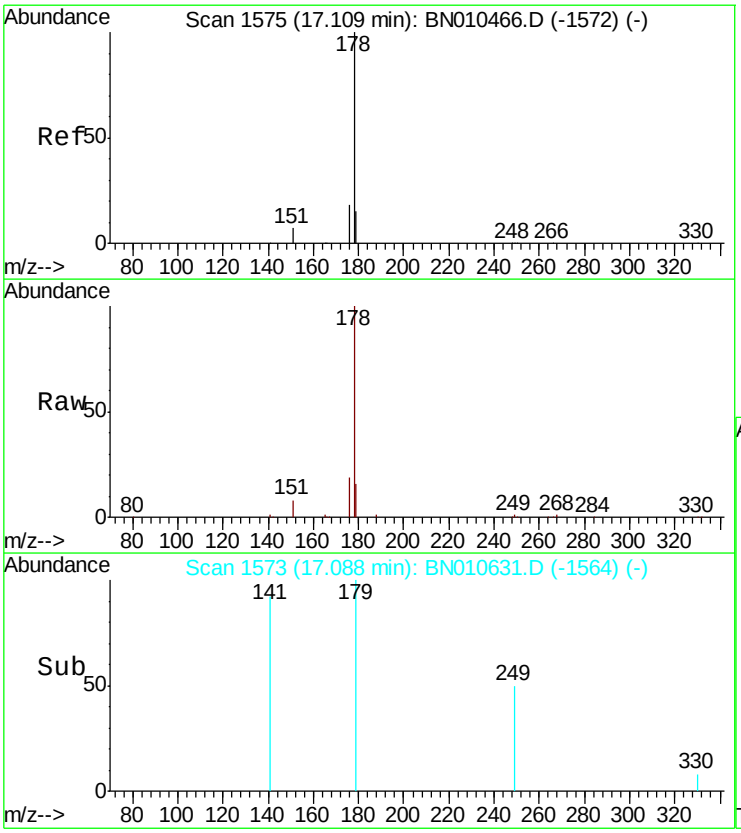
#23
Phenanthrene
Concen: 0.409 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 29142

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.6	12.6	18.8

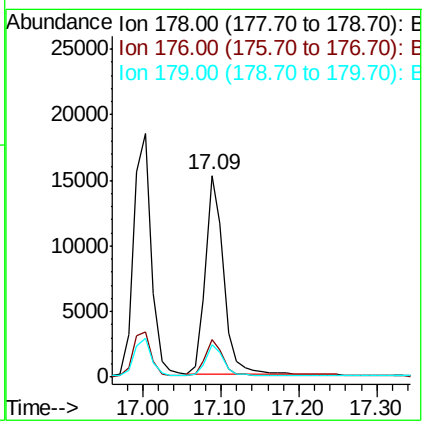


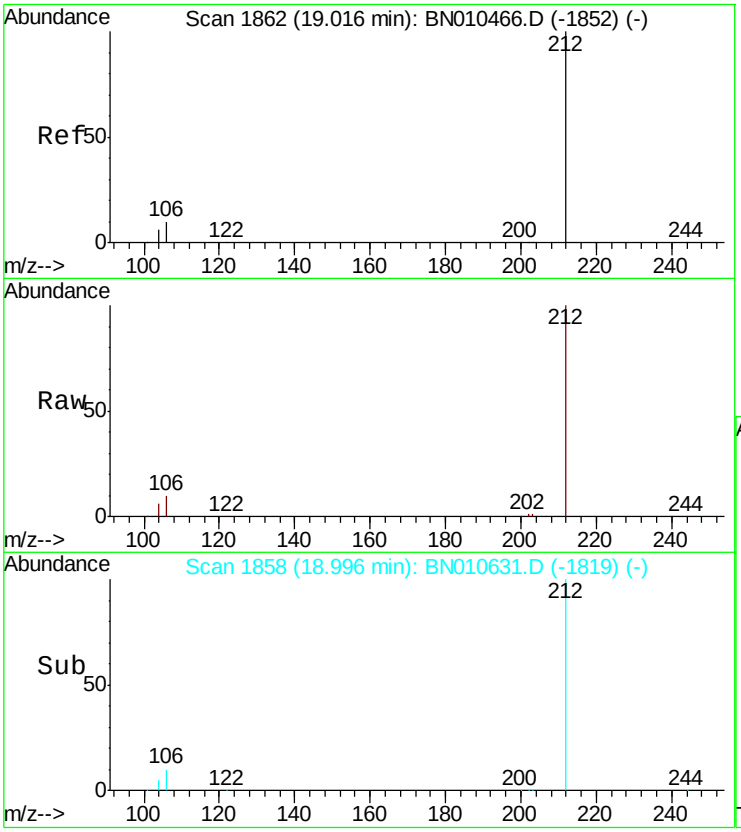


#24
Anthracene
Concen: 0.381 ng
RT: 17.09 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:178 Resp: 24843

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.2	18.2



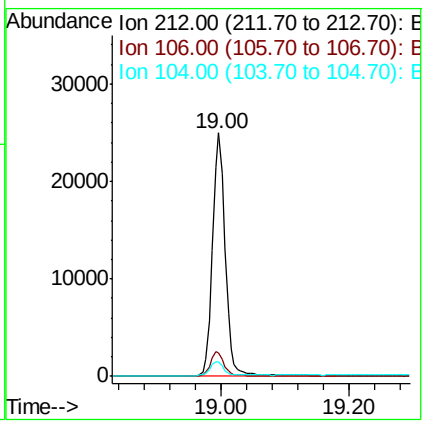


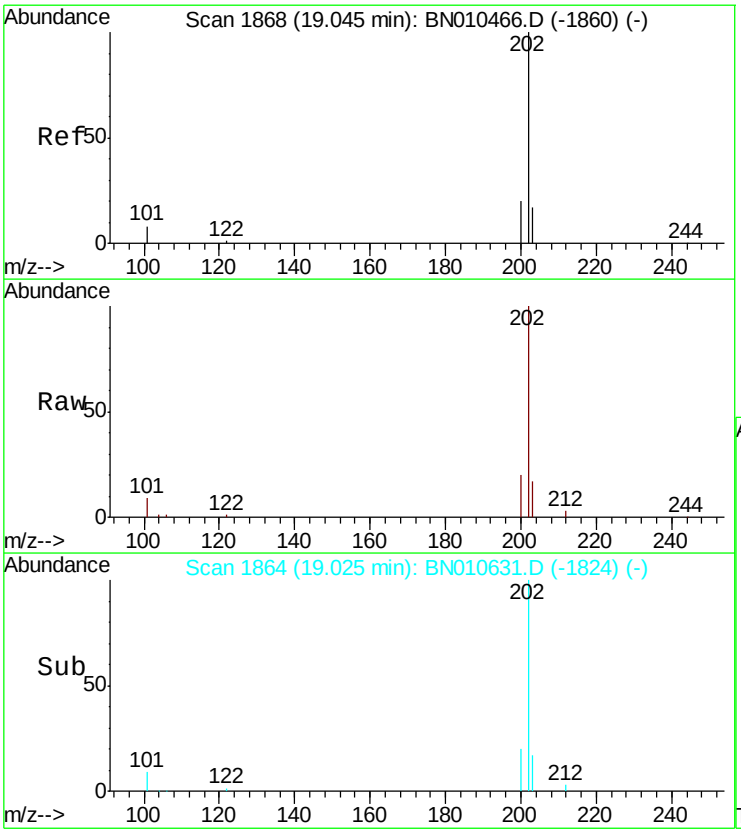
#25
Fluoranthene-d10
Concen: 0.429 ng
RT: 19.00 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 34351

Ion	Ratio	Lower	Upper
212	100		
106	10.2	7.8	11.6
104	5.8	4.5	6.7

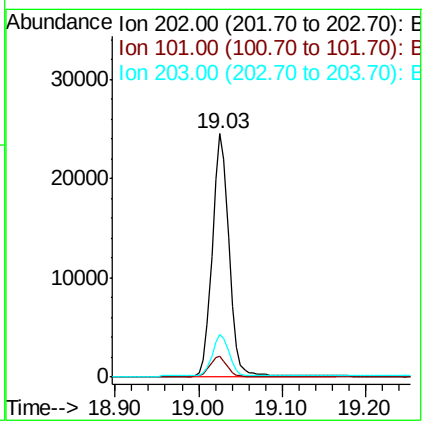


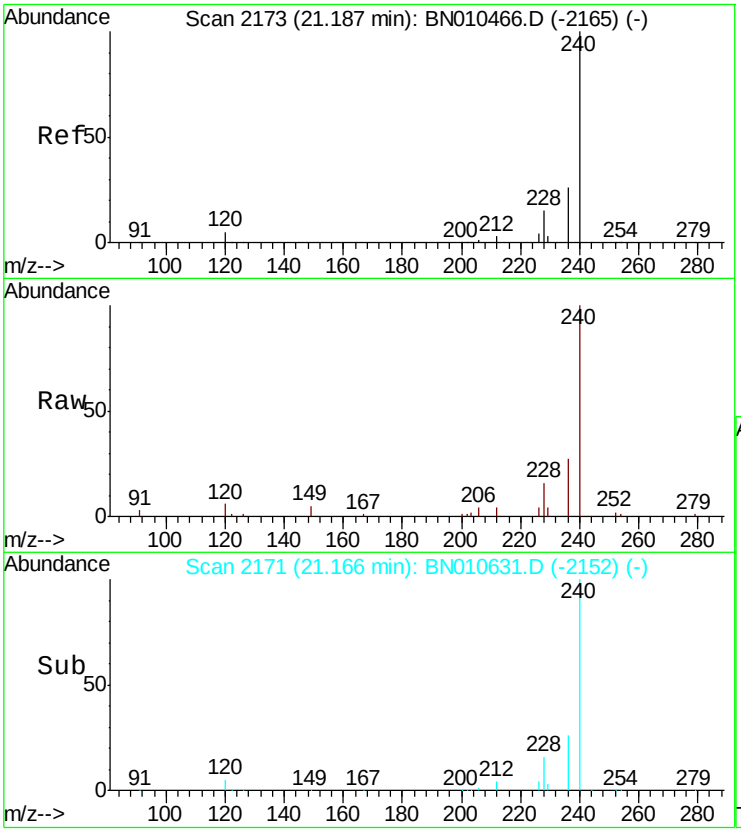


#26
Fluoranthene
Concen: 0.382 ng
RT: 19.03 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:202 Resp: 33870

Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.9	10.3
203	17.1	13.9	20.9



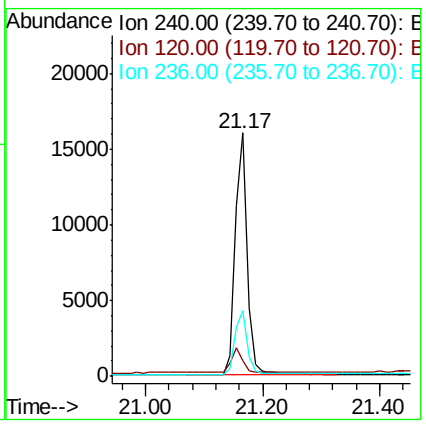


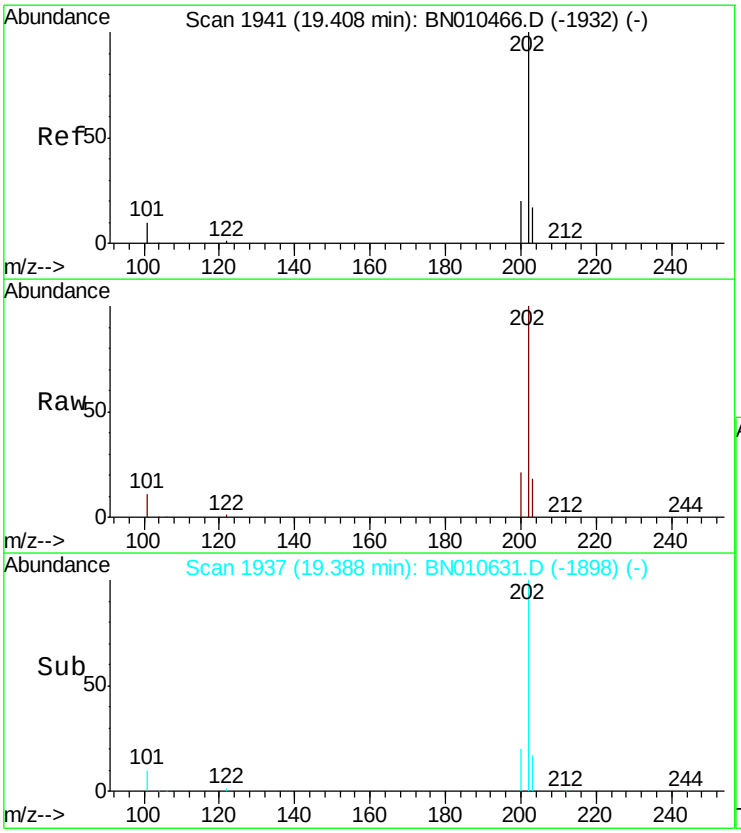
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 22286

Ion	Ratio	Lower	Upper
240	100		
120	6.4	4.8	7.2
236	26.9	21.4	32.0

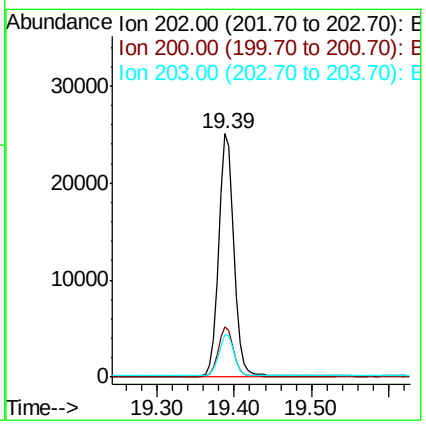


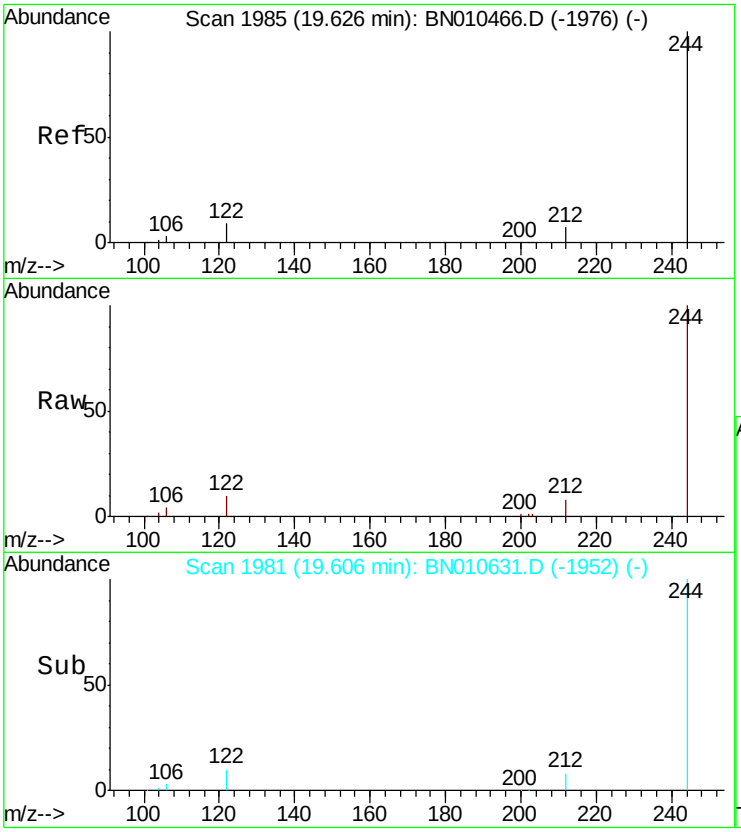


#28
Pyrene
Concen: 0.455 ng
RT: 19.39 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:202 Resp: 34112

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	17.6	14.0	21.0



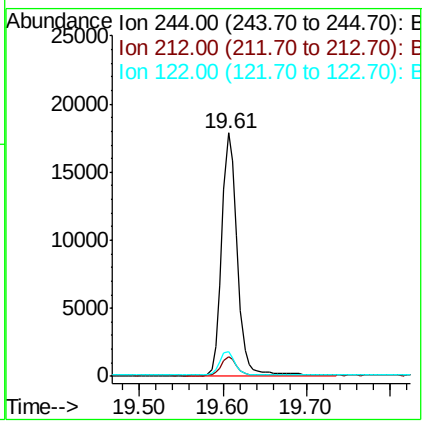


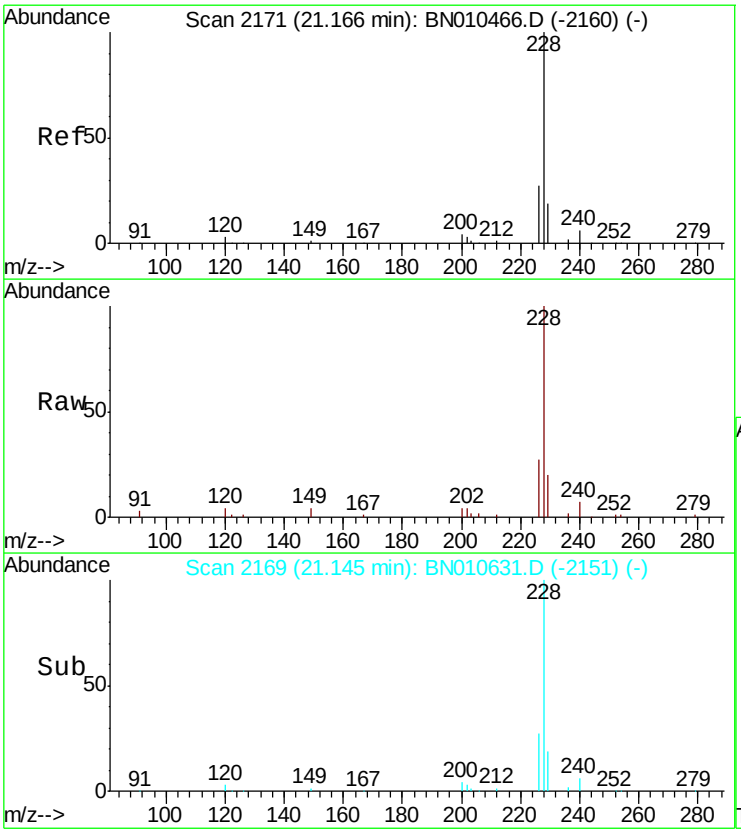
#29
Terphenyl-d14
Concen: 0.453 ng
RT: 19.61 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 23118

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	10.0	7.8	11.8

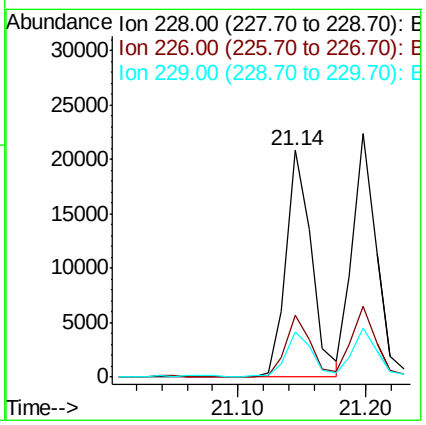


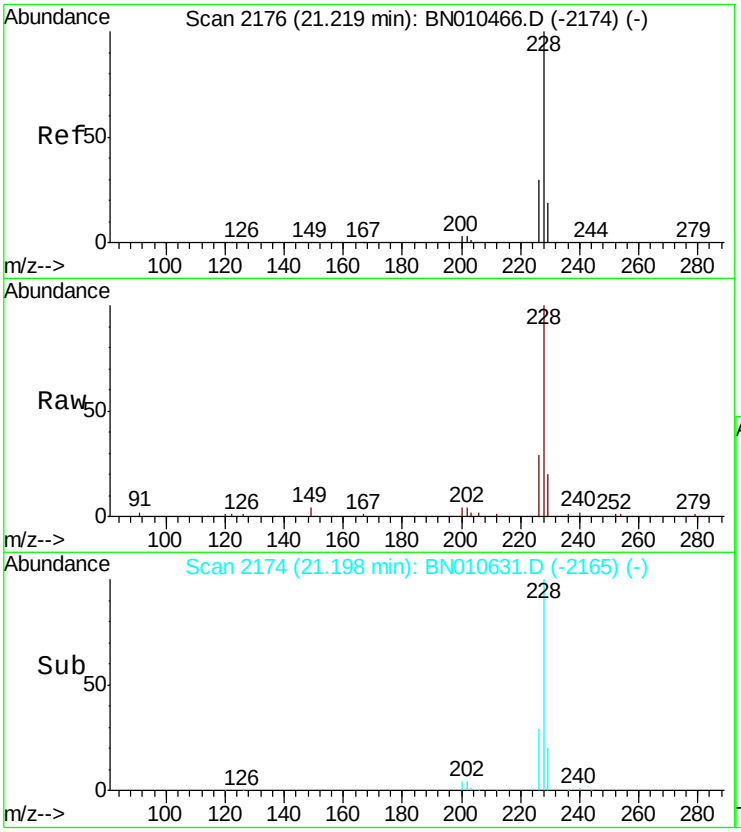


#30
Benzo(a)anthracene
Concen: 0.390 ng
RT: 21.14 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:228 Resp: 28321

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.7	15.6	23.4



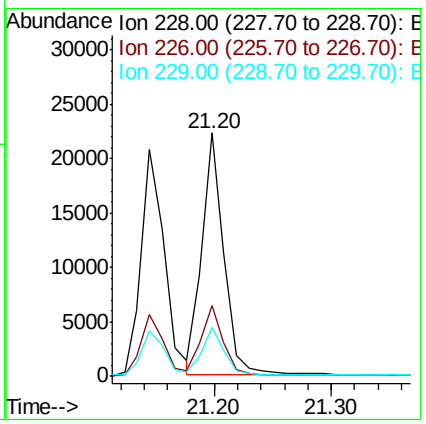


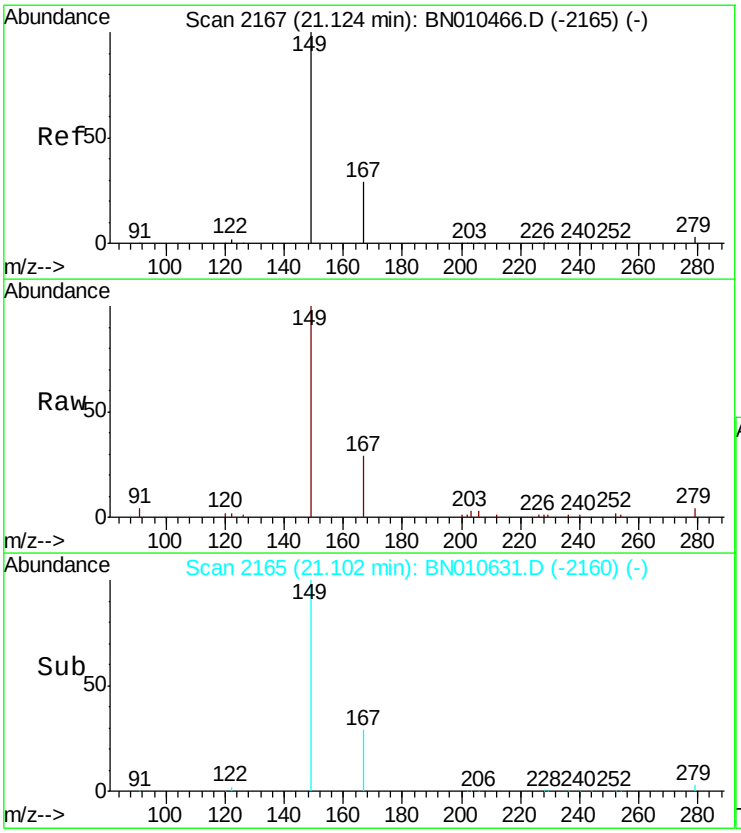
#31
Chrysene
Concen: 0.396 ng
RT: 21.20 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 28713

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	19.9	15.8	23.6

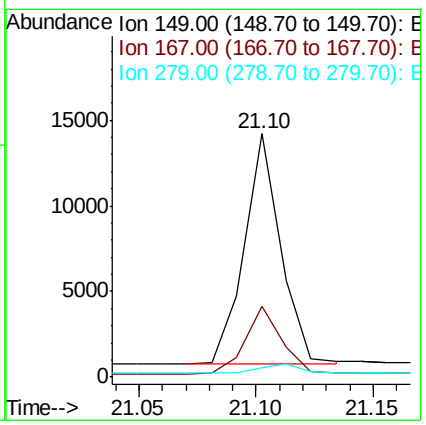


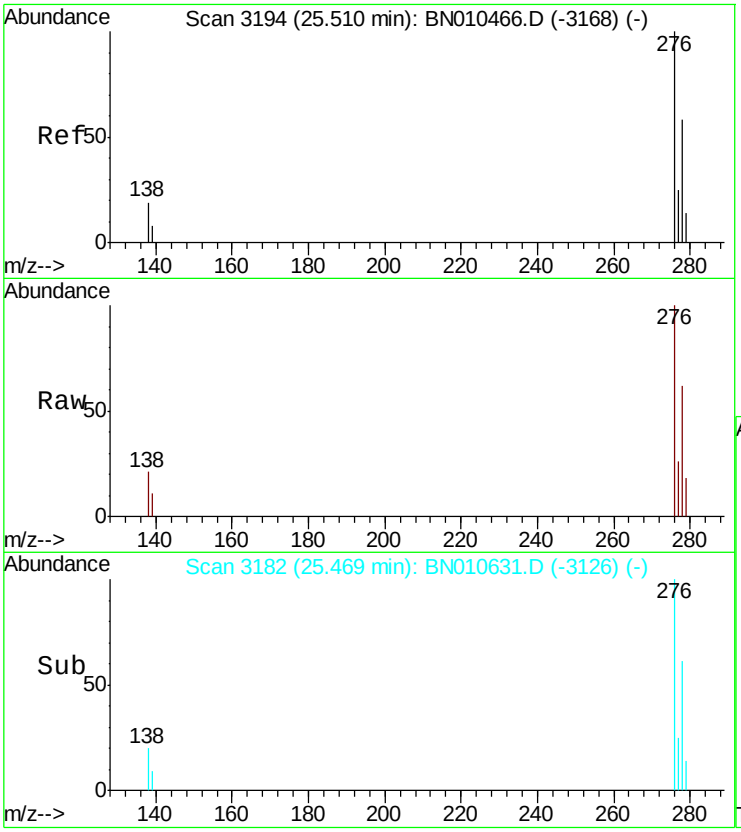


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.387 ng
RT: 21.10 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:149 Resp: 14448

Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.4	35.0
279	4.8	4.0	6.0



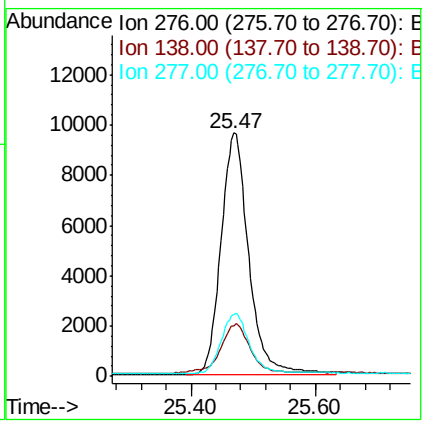


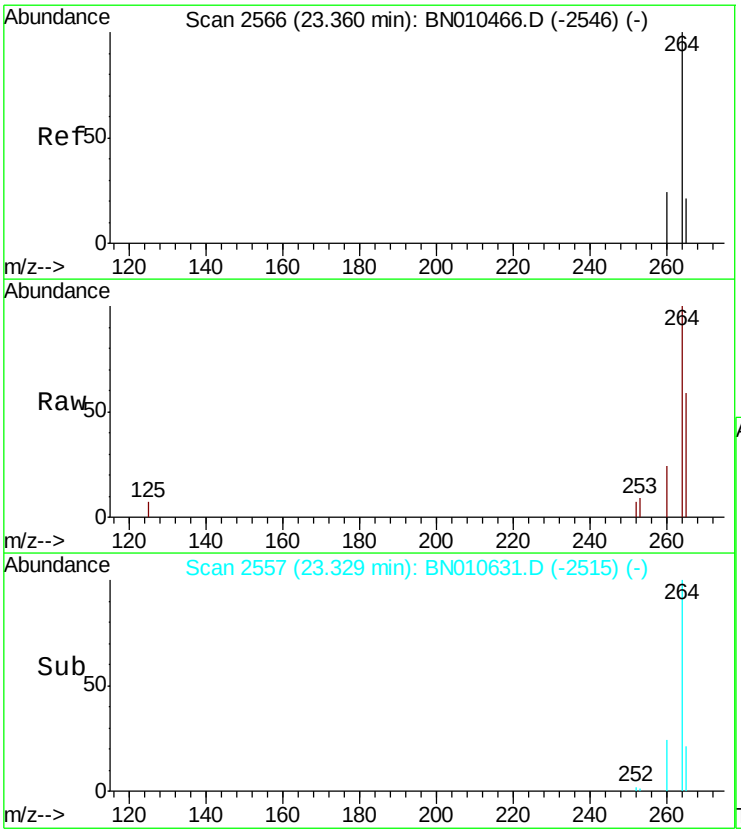
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.464 ng
RT: 25.47 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 29702

Ion	Ratio	Lower	Upper
276	100		
138	21.8	16.4	24.6
277	24.9	19.8	29.6

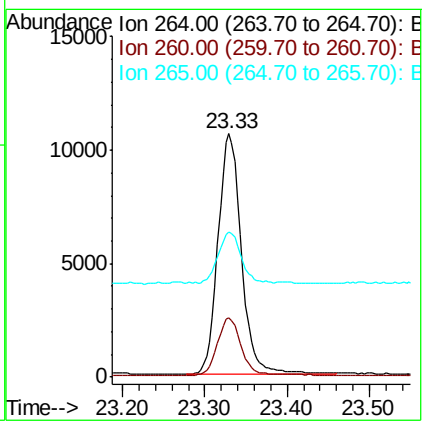


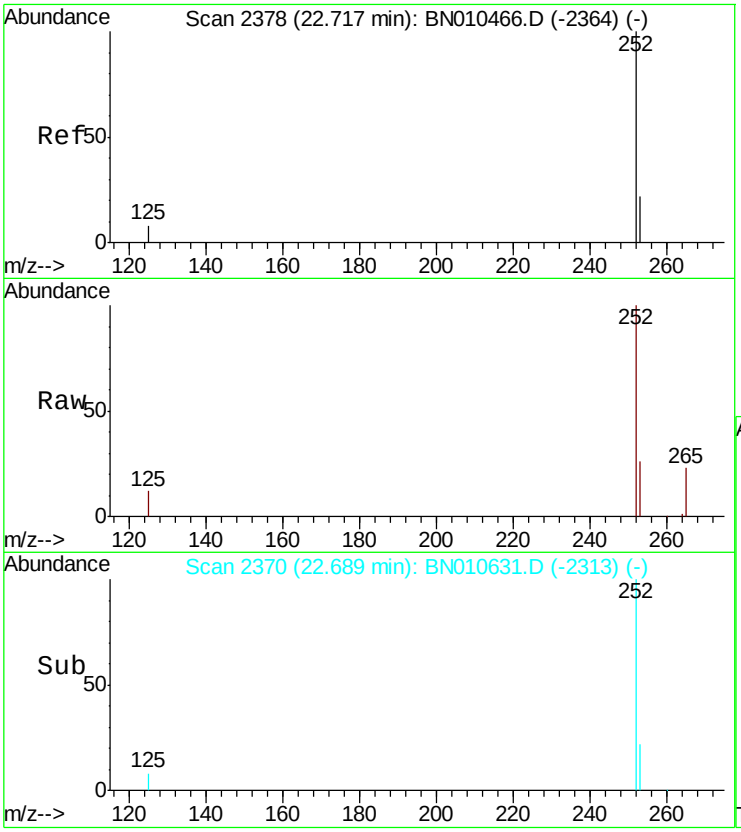


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.33 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:264 Resp: 20951

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	59.4	42.3	63.5



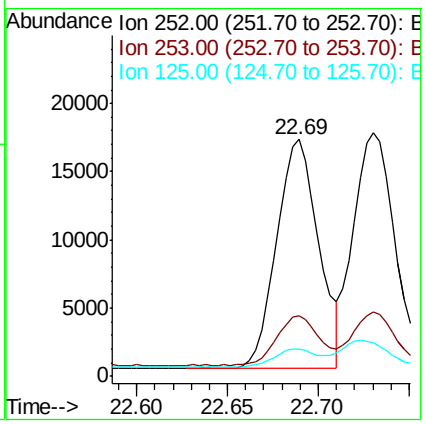


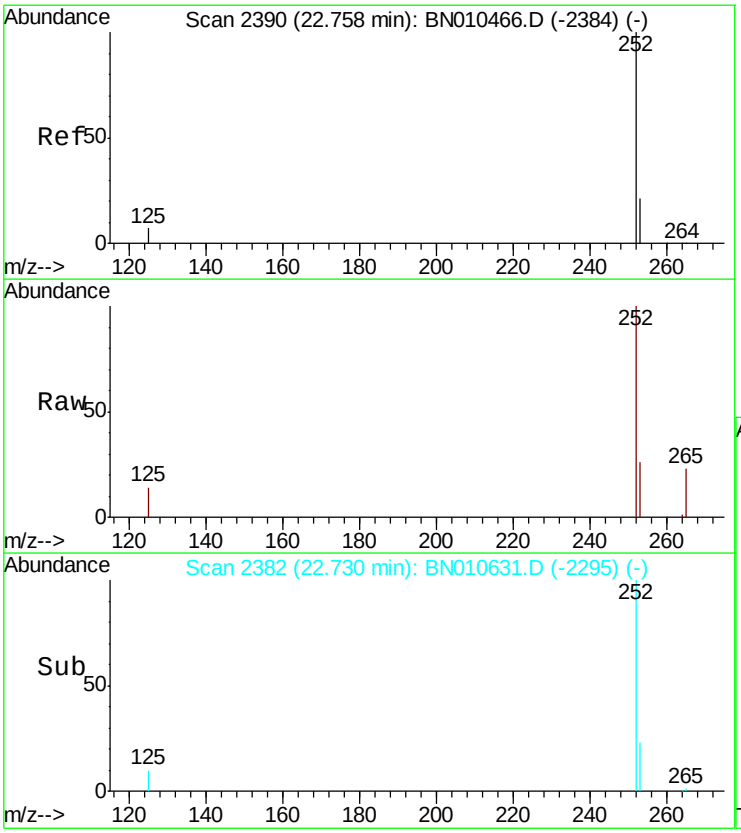
#35
Benzo(b)fluoranthene
Concen: 0.392 ng
RT: 22.69 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 27029

Ion	Ratio	Lower	Upper
252	100		
253	25.6	20.2	30.4
125	11.8	9.2	13.8

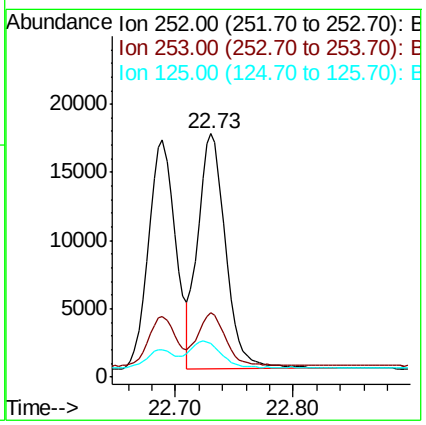


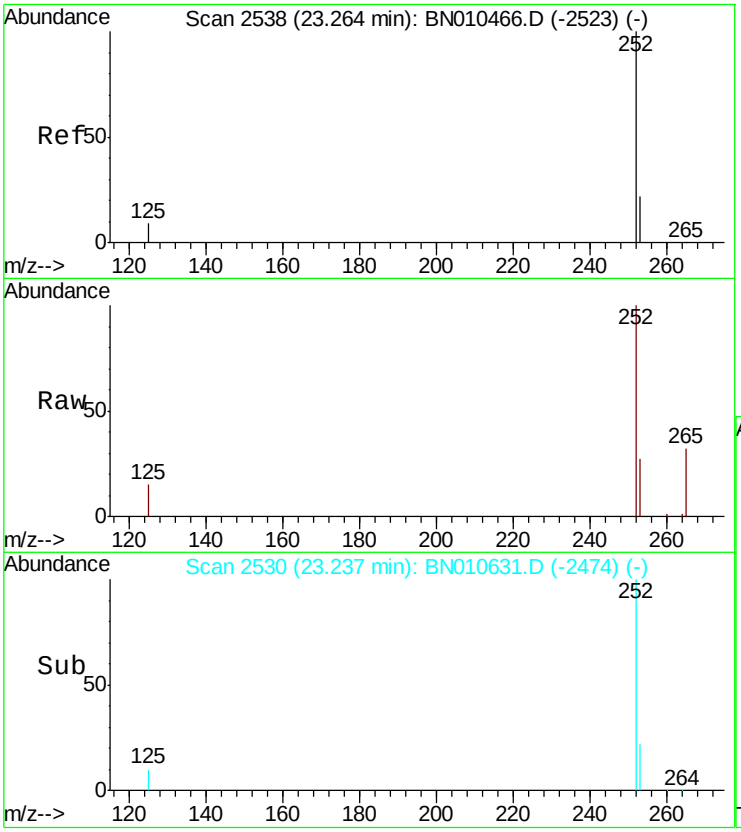


#36
Benzo(k)fluoranthene
Concen: 0.407 ng
RT: 22.73 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:252 Resp: 28144

Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.1	30.1
125	13.9	9.6	14.4



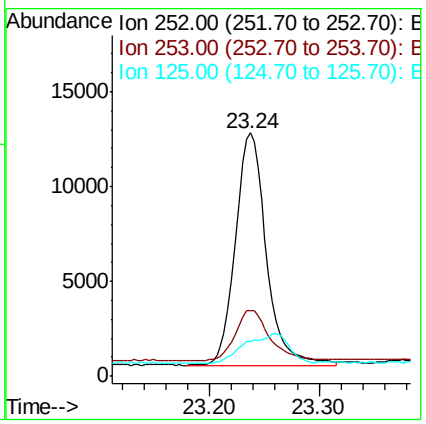


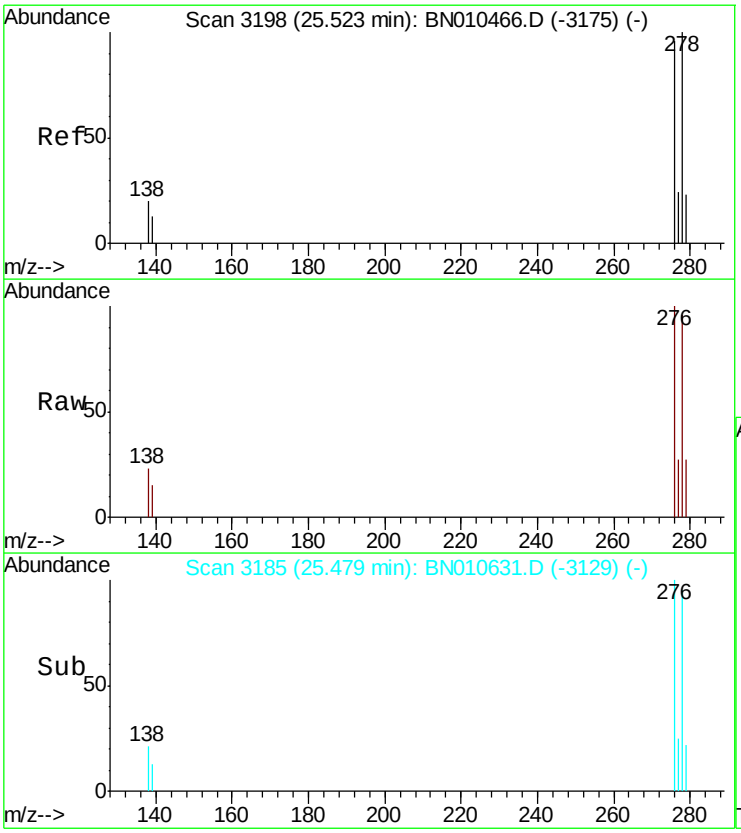
#37
Benzo(a)pyrene
Concen: 0.392 ng
RT: 23.24 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 23946

Ion	Ratio	Lower	Upper
252	100		
253	27.1	21.8	32.8
125	14.6	11.0	16.6

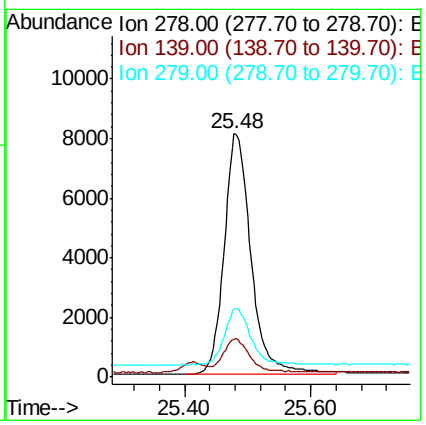


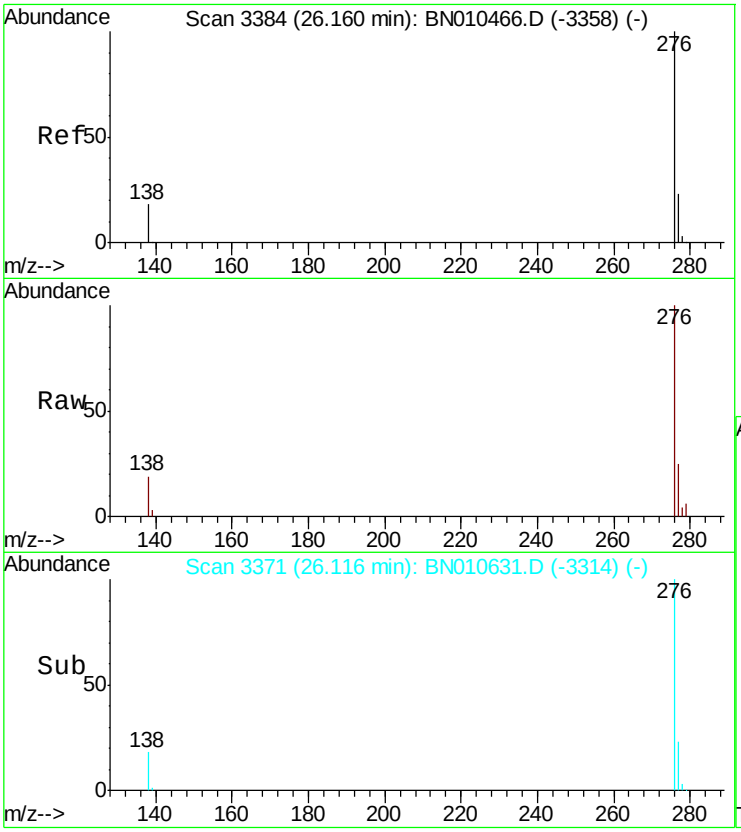


#38
Dibenzo(a,h)anthracene
Concen: 0.426 ng
RT: 25.48 min Scan# 3185
Delta R.T. -0.01 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Tgt Ion:278 Resp: 23797

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.3	18.5
279	27.9	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.432 ng
RT: 26.12 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BN010631.D
Acq: 28 Apr 2020 19:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 24271

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.2	30.2
138	19.2	15.4	23.2