Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
Data File : BN010668.D
Acq On : 30 Apr 2020 10:41
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 30 11:20:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 30 11:18:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	5313	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	22765	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	14156	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	30561	0.40	ng		0.00
27) Chrysene-d12	21.16	240	24086	0.40	ng		0.00
34) Perylene-d12	23.33	264	22330	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.23	112	5056	0.43	ng		0.00
5) Phenol-d6	6.78	99	6584	0.43	ng		0.00
8) Nitrobenzene-d5	8.72	82	6390	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	17227	0.46	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	2096	0.31	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	20843	0.40	ng		0.00
25) Fluoranthene-d10	18.99	212	36856	0.40	ng		0.00
29) Terphenyl-d14	19.60	244	25121	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	1633	0.418	ng		96
3) n-Nitrosodimethylamine	3.55	42	933	0.368	ng	#	94
6) bis(2-Chloroethyl)ether	7.02	93	5555	0.422	ng		99
9) Naphthalene	10.38	128	22962	0.406	ng		99
10) Hexachlorobutadiene	10.68	225	5279	0.387	ng	#	99
12) 2-Methylnaphthalene	12.01	142	16565	0.408	ng		98
16) Acenaphthylene	13.91	152	23099	0.378	ng		100
17) Acenaphthene	14.27	154	15824	0.403	ng		99
18) Fluorene	15.26	166	20425	0.397	ng		99
20) 4-Bromophenyl-phenylether	16.16	248	6649	0.392	ng	#	91
21) Hexachlorobenzene	16.27	284	8130	0.420	ng		98
22) Pentachlorophenol	16.61	266	2548	0.334	ng		97
23) Phenanthrene	17.00	178	33614	0.407	ng		99
24) Anthracene	17.08	178	28083	0.372	ng		99
26) Fluoranthene	19.02	202	36870	0.359	ng		99
28) Pyrene	19.39	202	37010	0.456	ng		100
30) Benzo(a)anthracene	21.14	228	30499	0.388	ng		100
31) Chrysene	21.20	228	30736	0.393	ng		99
32) Bis(2-ethylhexyl)phthalate	21.10	149	15418	0.382	ng		99
33) Indeno(1,2,3-cd)pyrene	25.47	276	31274	0.452	ng		99
35) Benzo(b)fluoranthene	22.69	252	28671	0.390	ng		99
36) Benzo(k)fluoranthene	22.73	252	30559	0.415	ng		99
37) Benzo(a)pyrene	23.24	252	25946	0.399	ng		99
38) Dibenzo(a,h)anthracene	25.48	278	25092	0.422	ng		98
39) Benzo(g,h,i)perylene	26.11	276	25434	0.425	ng		99

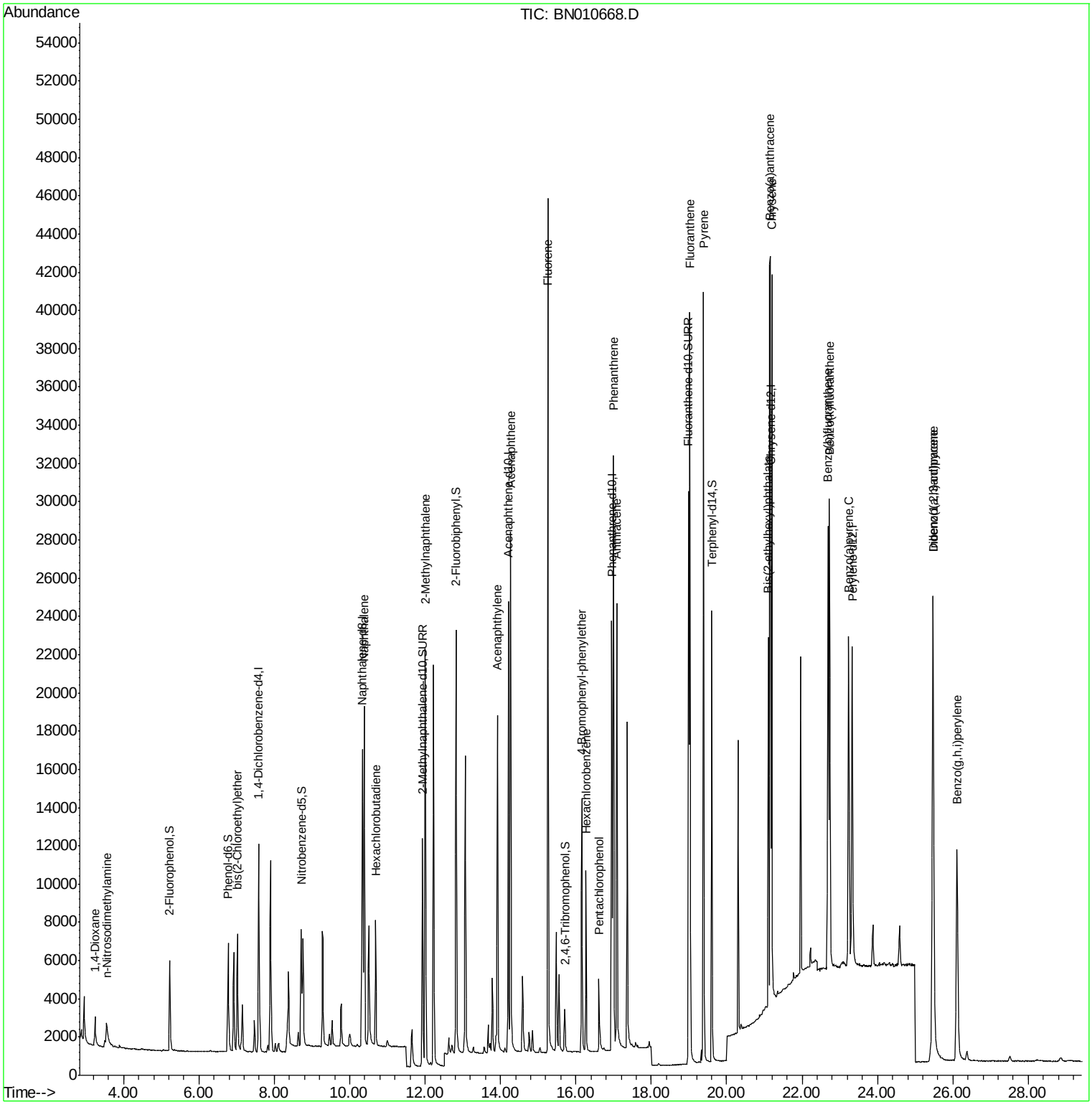
(#) = qualifier out of range (m) = manual integration (+) = signals summed

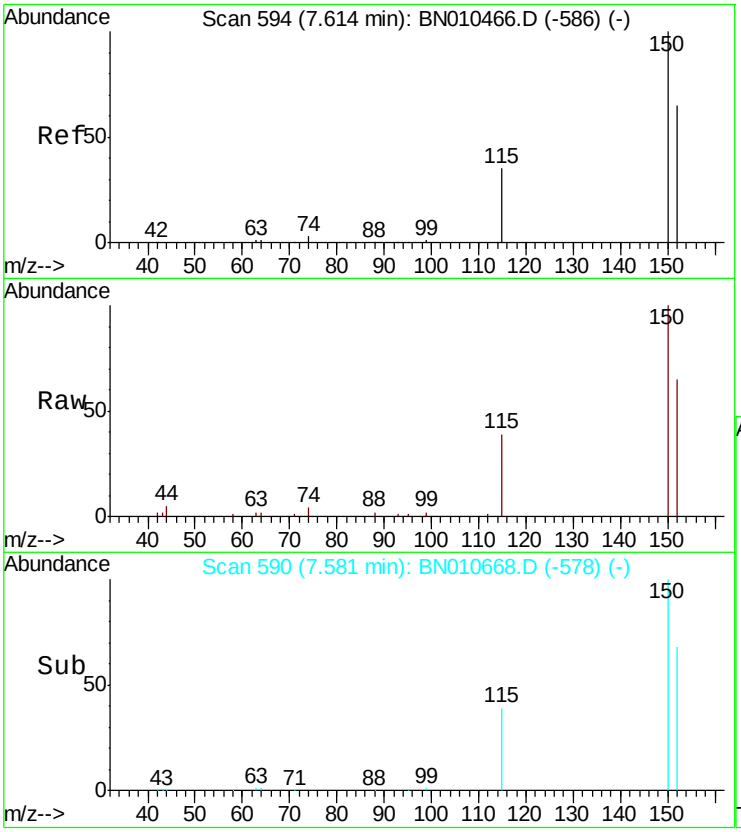
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
Data File : BN010668.D
Acq On : 30 Apr 2020 10:41
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 30 11:20:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 30 11:18:31 2020
Response via : Initial Calibration



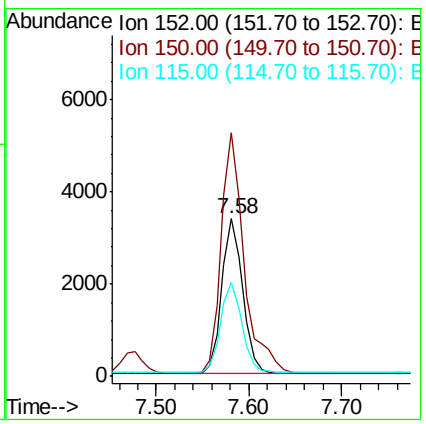


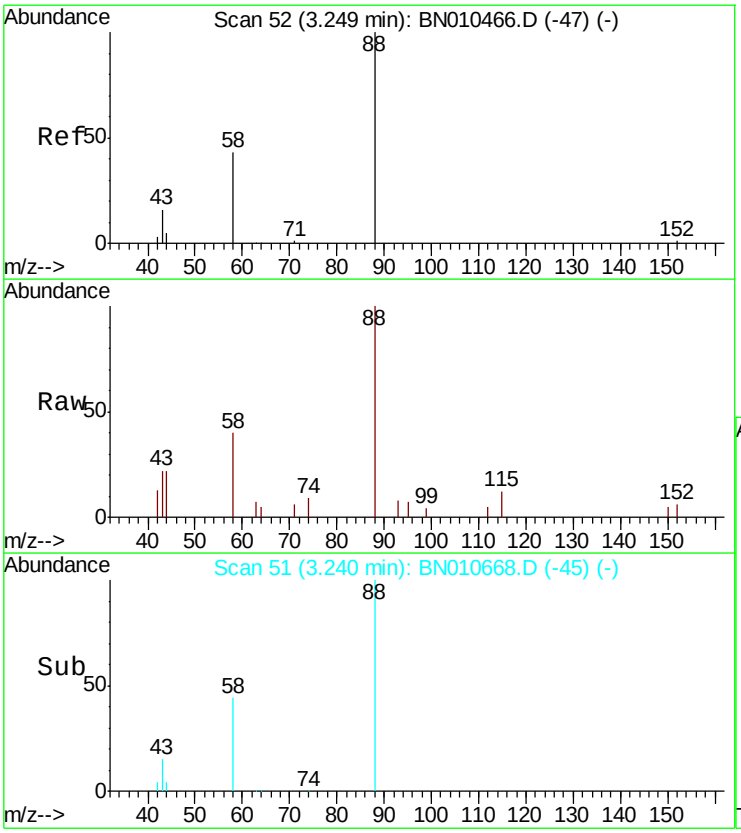
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.58 min Scan# 590
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5313

Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.8	182.6
115	59.7	45.5	68.3

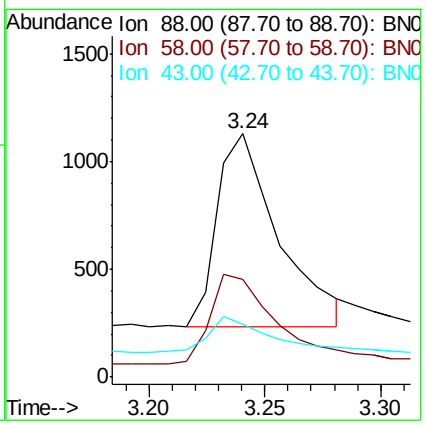


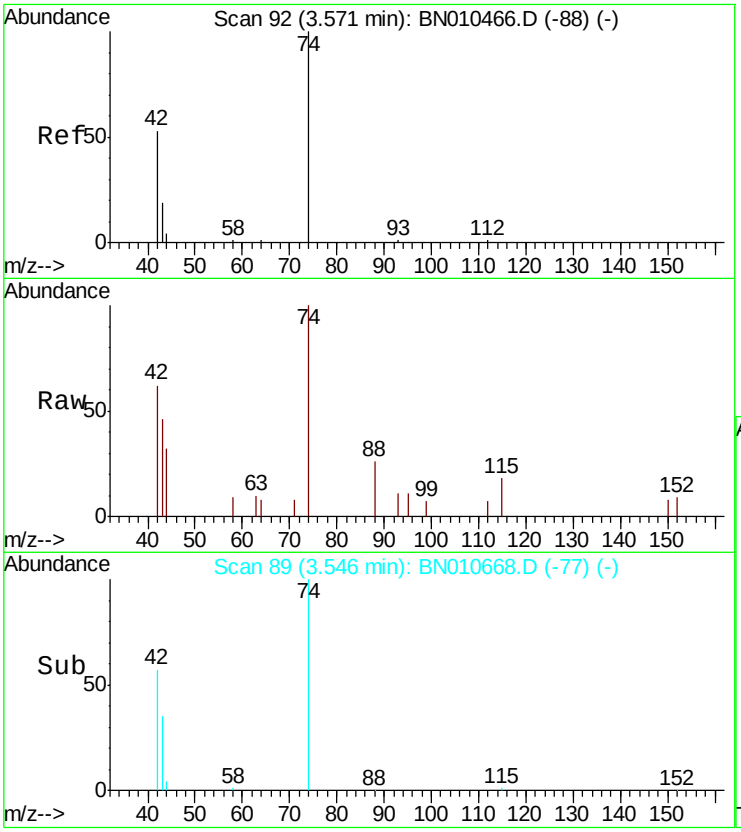


#2
1,4-Dioxane
Concen: 0.418 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion: 88 Resp: 1633

Ion	Ratio	Lower	Upper
88	100		
58	49.1	36.5	54.7
43	16.9	13.2	19.8



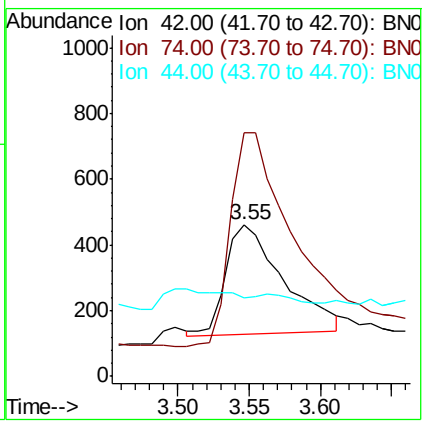


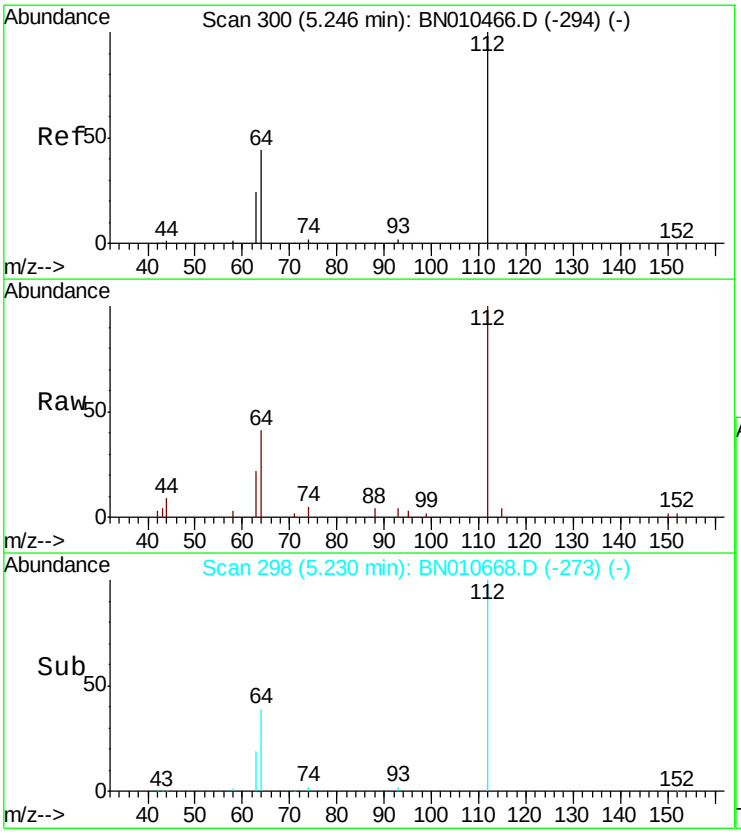
#3
n-Nitrosodimethylamine
Concen: 0.368 ng
RT: 3.55 min Scan# 89
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 933

Ion	Ratio	Lower	Upper
42	100		
74	212.1	162.2	243.4
44	0.0	2.4	3.6#

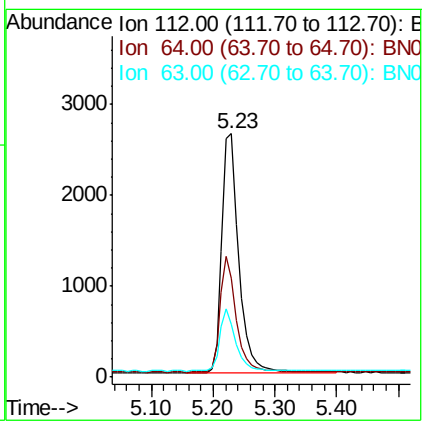


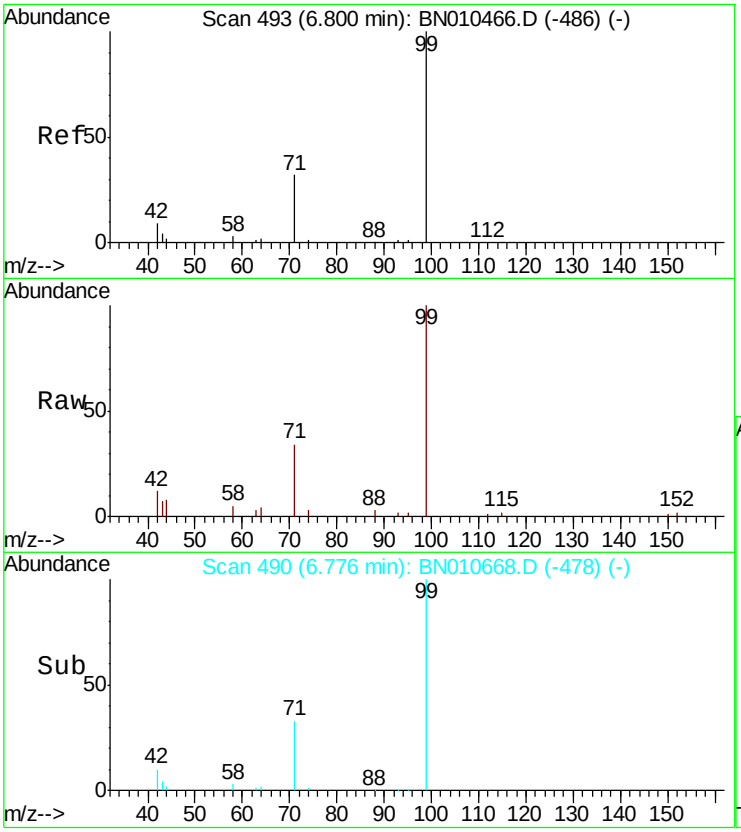


#4
2-Fluorophenol
Concen: 0.435 ng
RT: 5.23 min Scan# 298
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:112 Resp: 5056

Ion	Ratio	Lower	Upper
112	100		
64	46.0	35.8	53.8
63	24.4	19.9	29.9



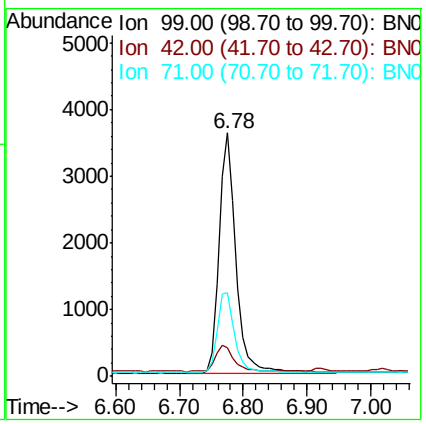


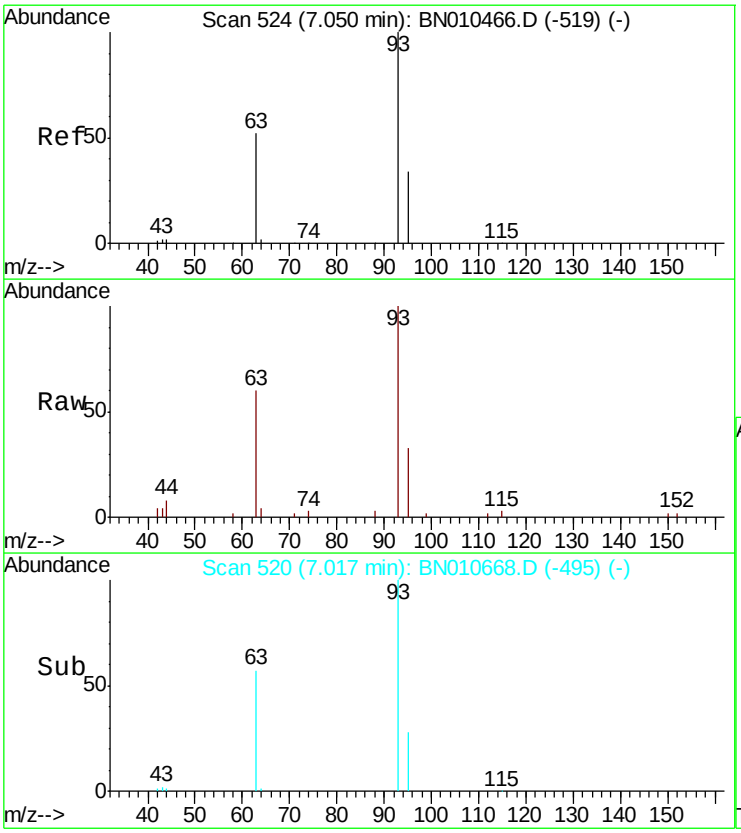
#5
Phenol-d6
Concen: 0.433 ng
RT: 6.78 min Scan# 490
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 6584

Ion	Ratio	Lower	Upper
99	100		
42	12.3	9.8	14.6
71	34.3	27.8	41.8

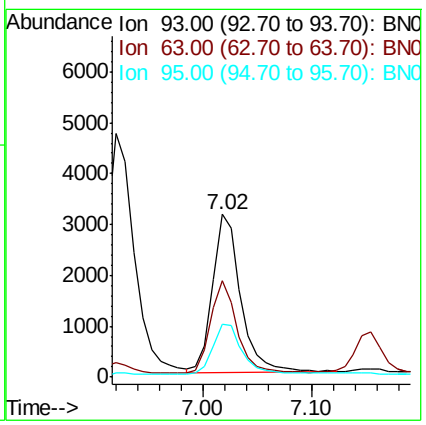


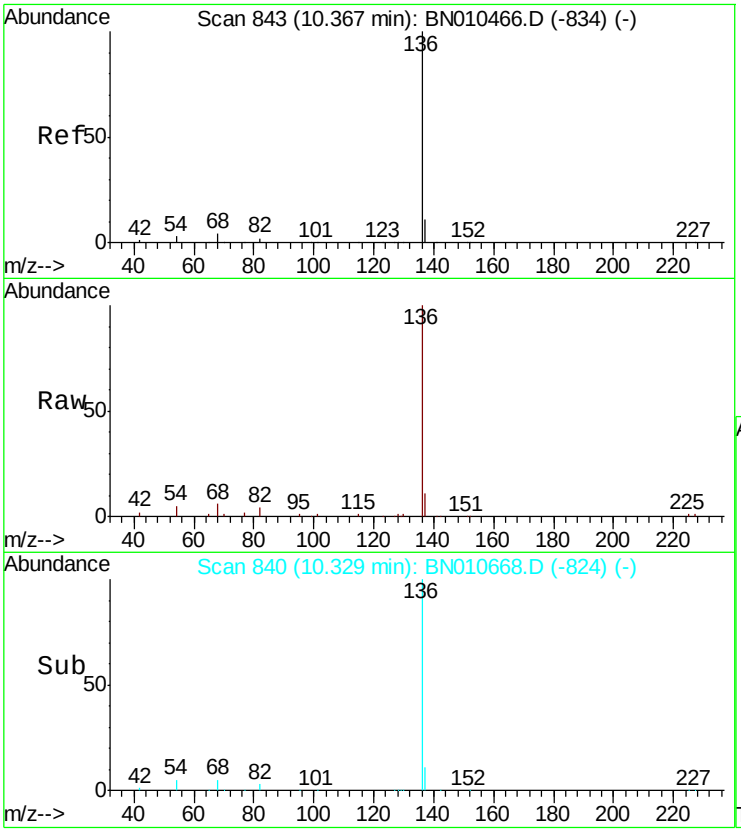


#6
bis(2-Chloroethyl)ether
Concen: 0.422 ng
RT: 7.02 min Scan# 520
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion: 93 Resp: 5555

Ion	Ratio	Lower	Upper
93	100		
63	56.7	44.6	66.8
95	32.7	26.5	39.7



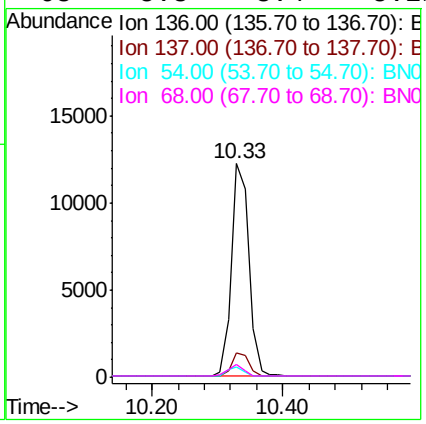


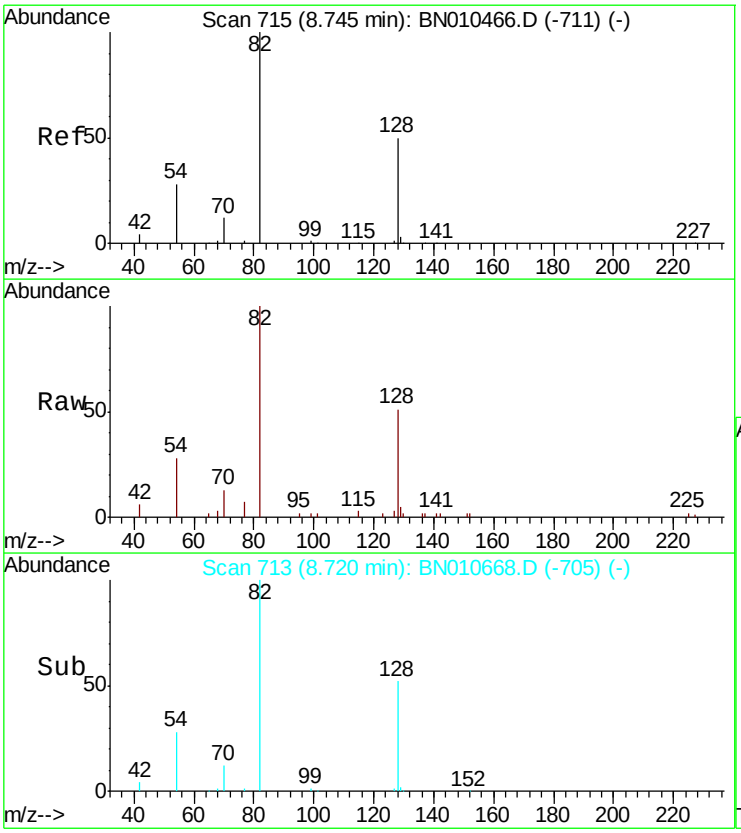
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 22765

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	5.0	2.6	4.0#
68	5.8	3.4	5.2#

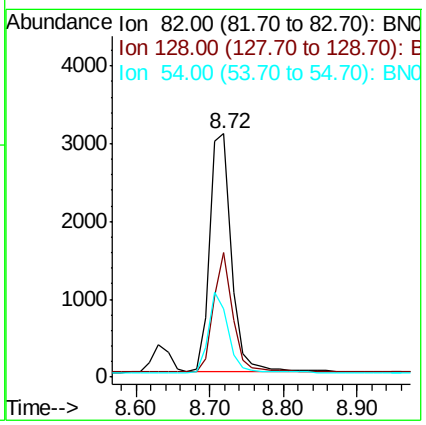


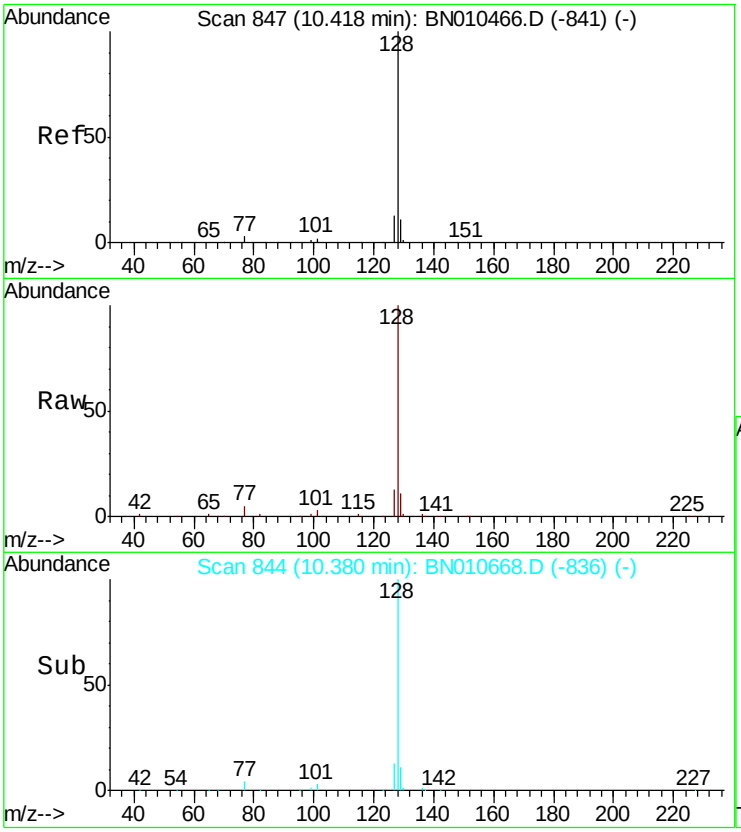


#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion: 82 Resp: 6390

Ion	Ratio	Lower	Upper
82	100		
128	51.0	41.3	61.9
54	27.9	23.4	35.0



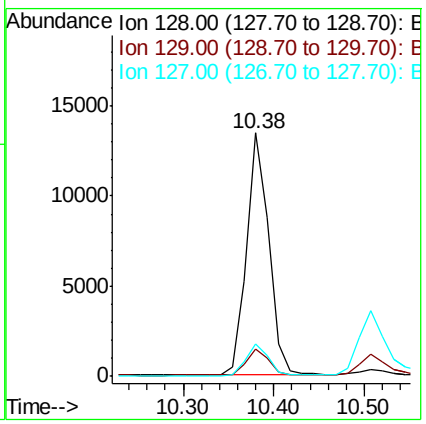


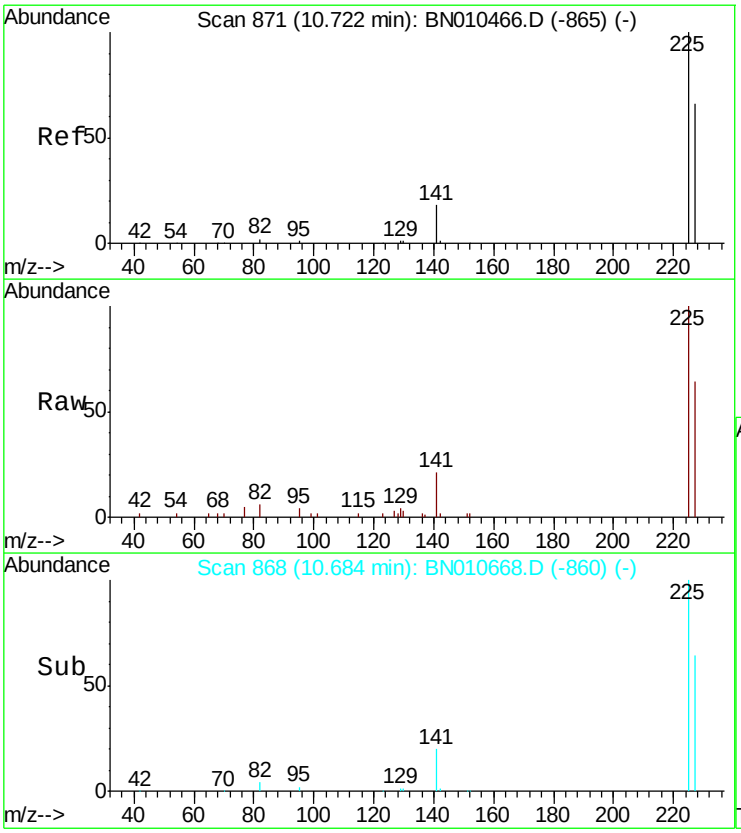
#9
Naphthalene
Concen: 0.406 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 22962

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.5	10.5	15.7

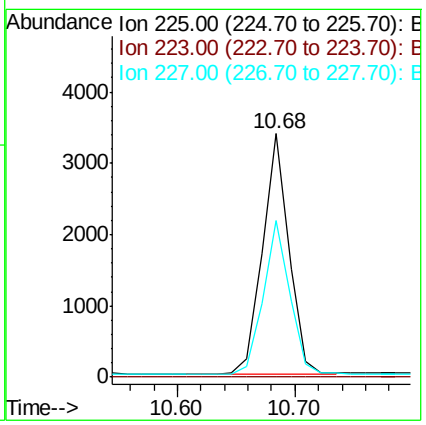


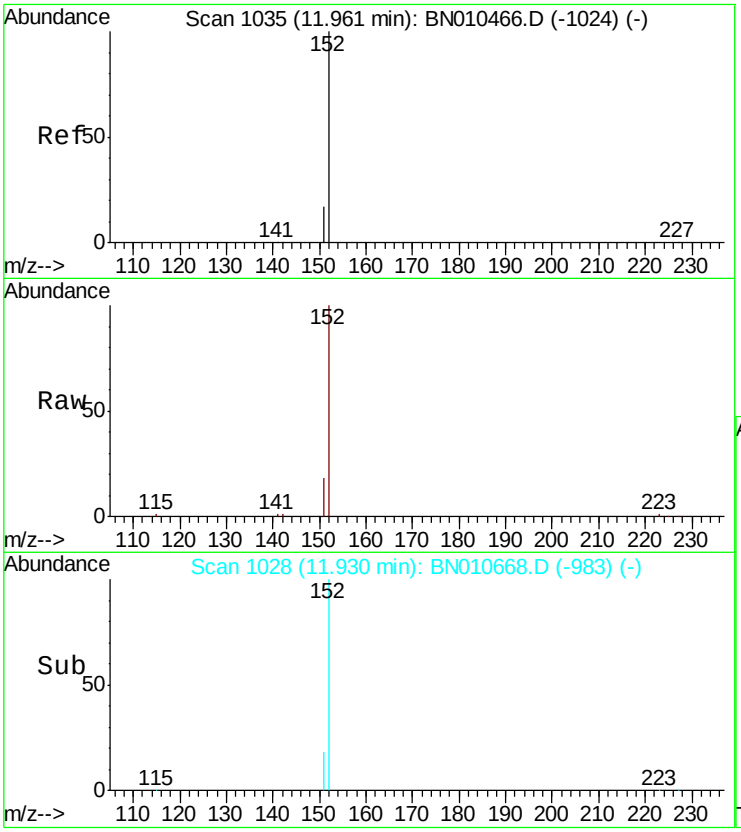


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:225 Resp: 5279

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.6	76.0



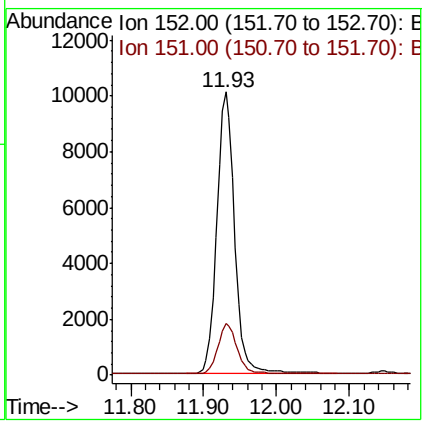


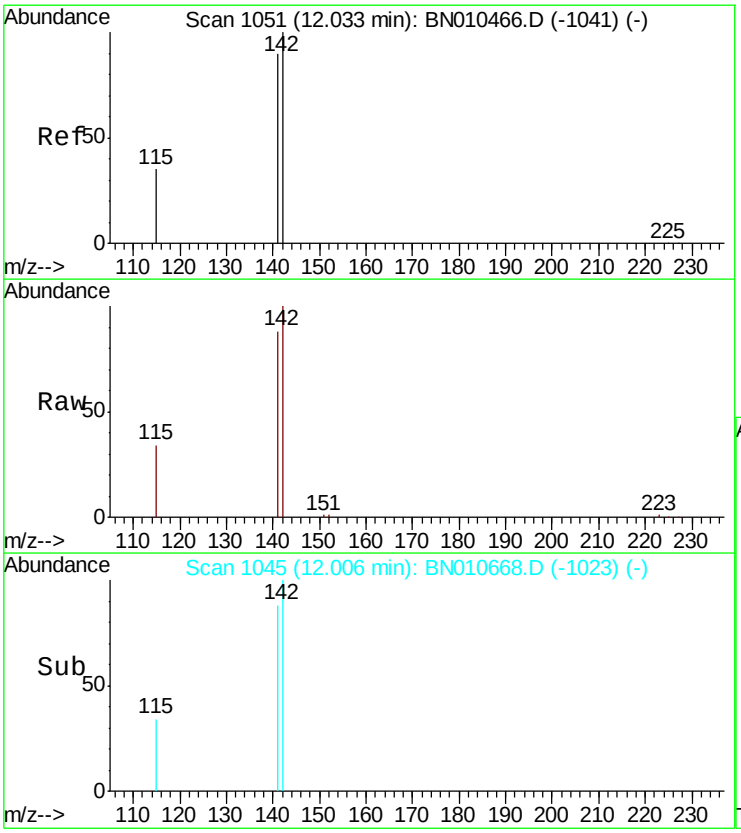
#11
2-Methylnaphthalene-d10
Concen: 0.460 ng
RT: 11.93 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 17227

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9

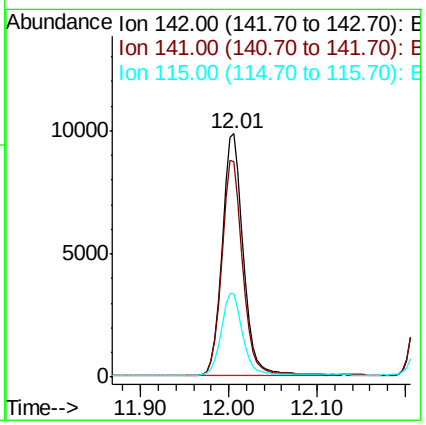


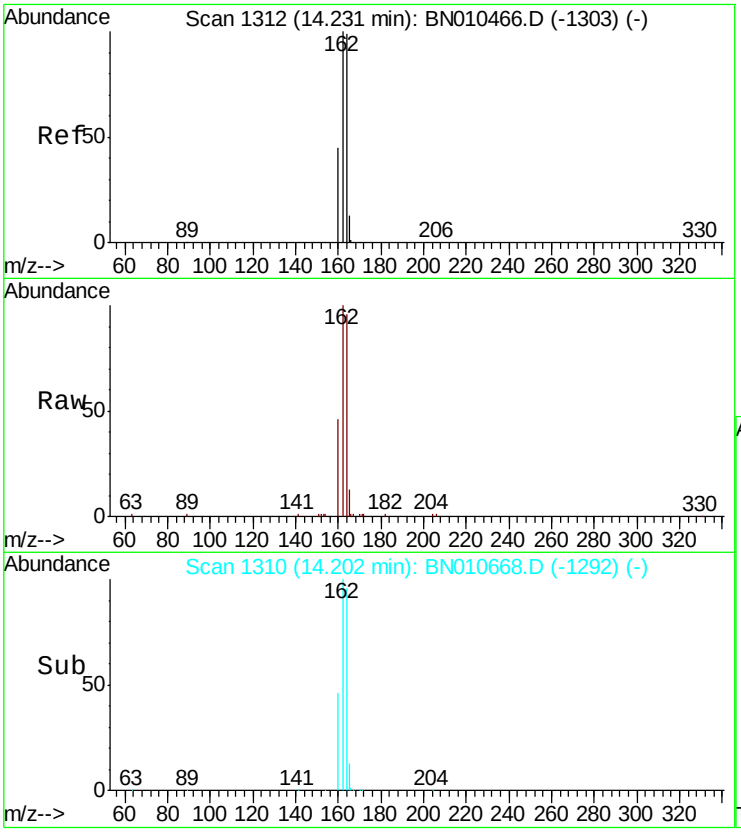


#12
2-Methylnaphthalene
Concen: 0.408 ng
RT: 12.01 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:142 Resp: 16565

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.9	107.9
115	34.3	28.8	43.2



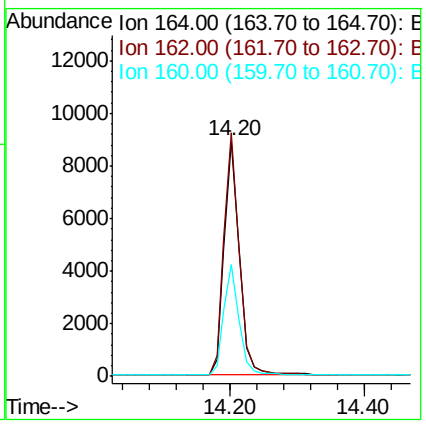


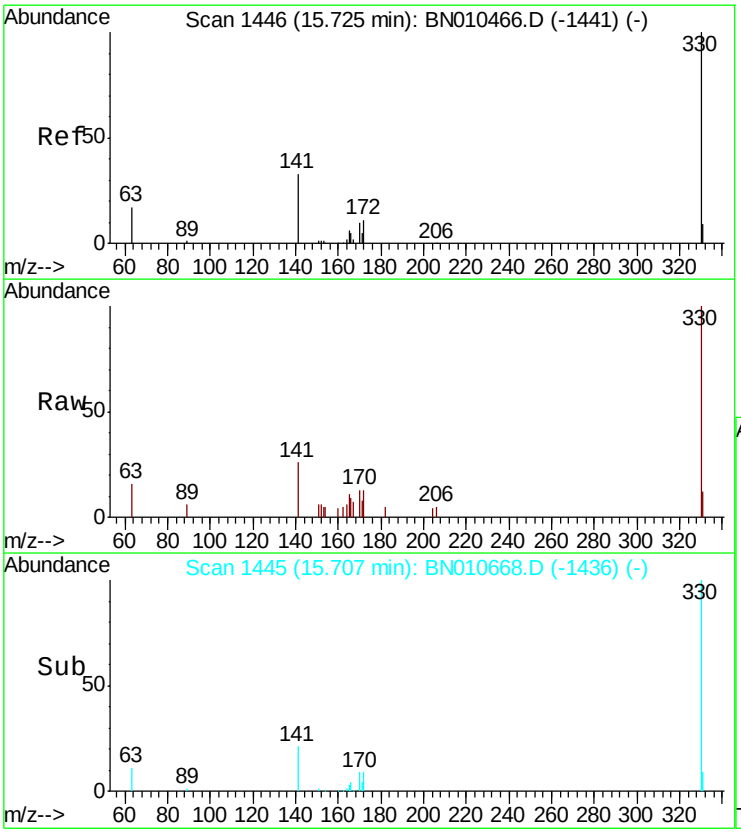
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 14156

Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.6	121.0
160	47.5	36.5	54.7

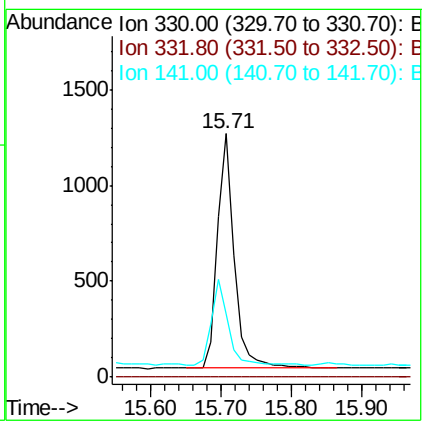


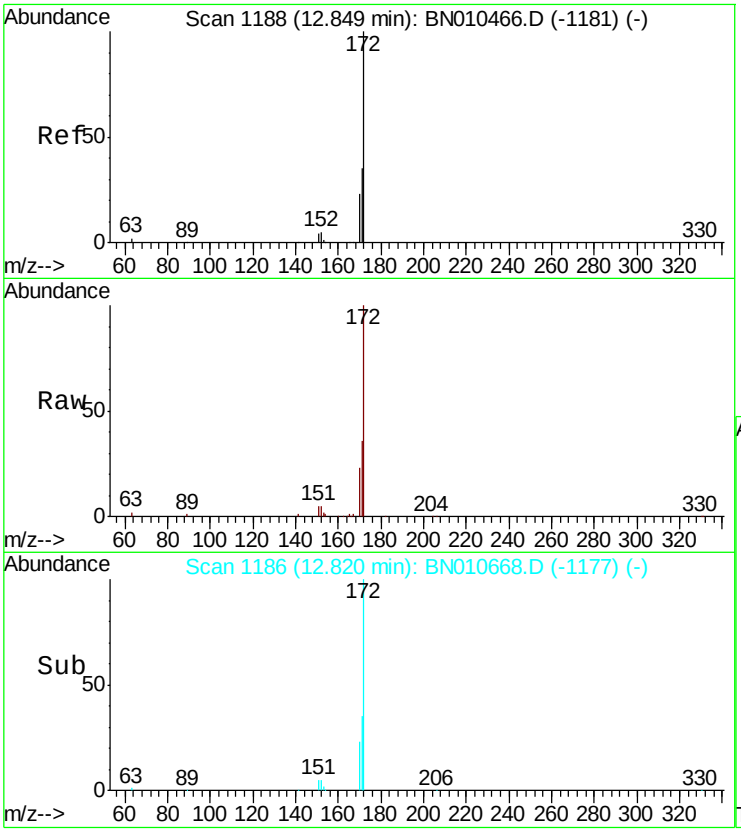


#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.71 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:330 Resp: 2096

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.5	28.1	42.1



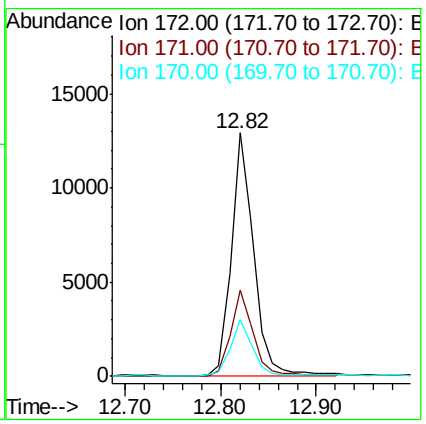


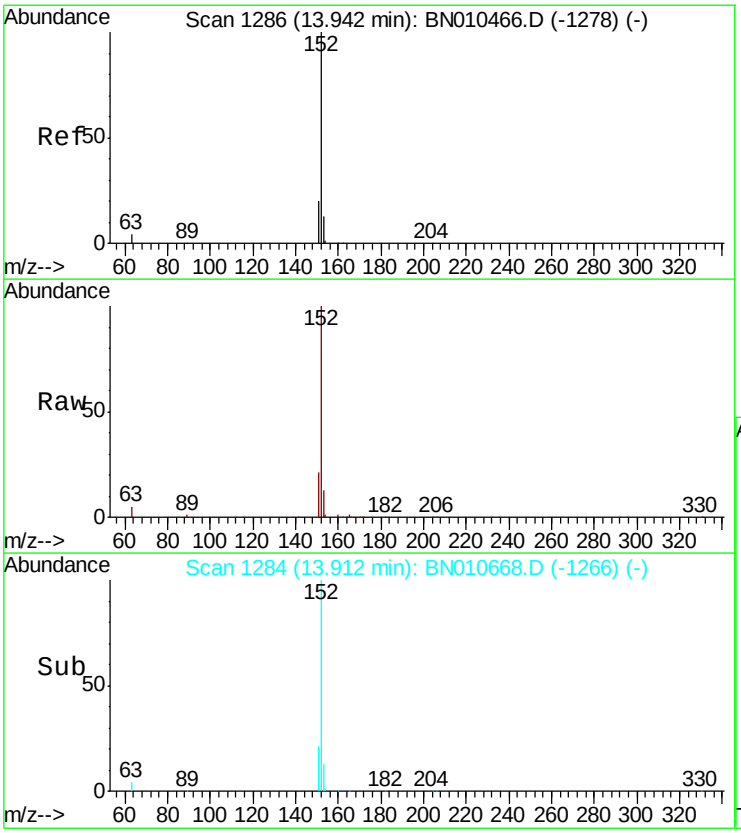
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 20843

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.3	18.4	27.6

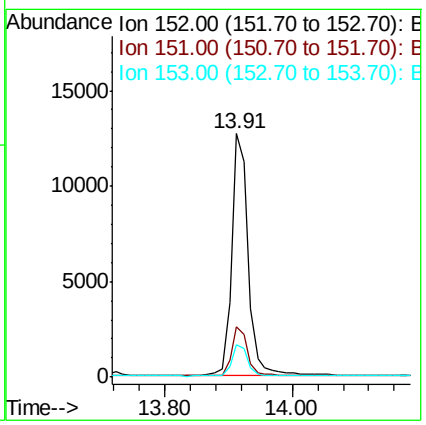


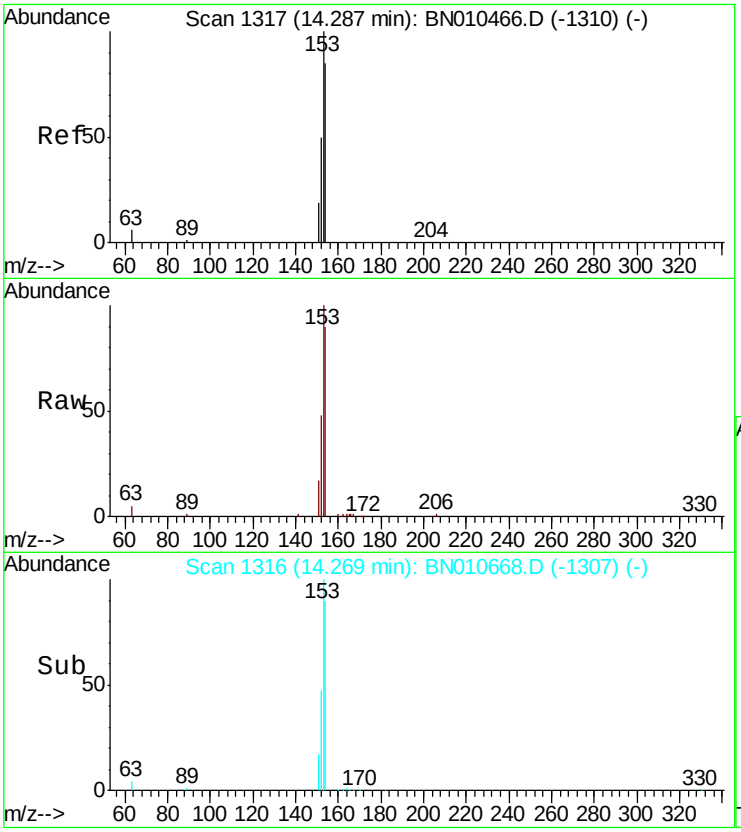


#16
Acenaphthylene
Concen: 0.378 ng
RT: 13.91 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:152 Resp: 23099

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.6	15.8



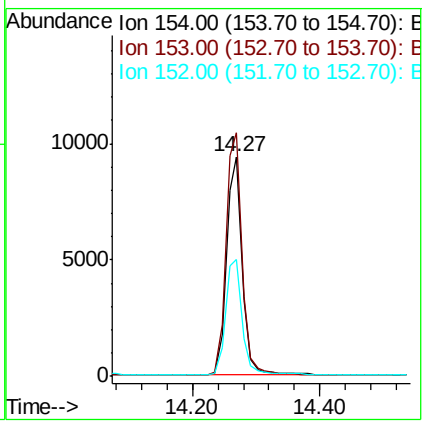


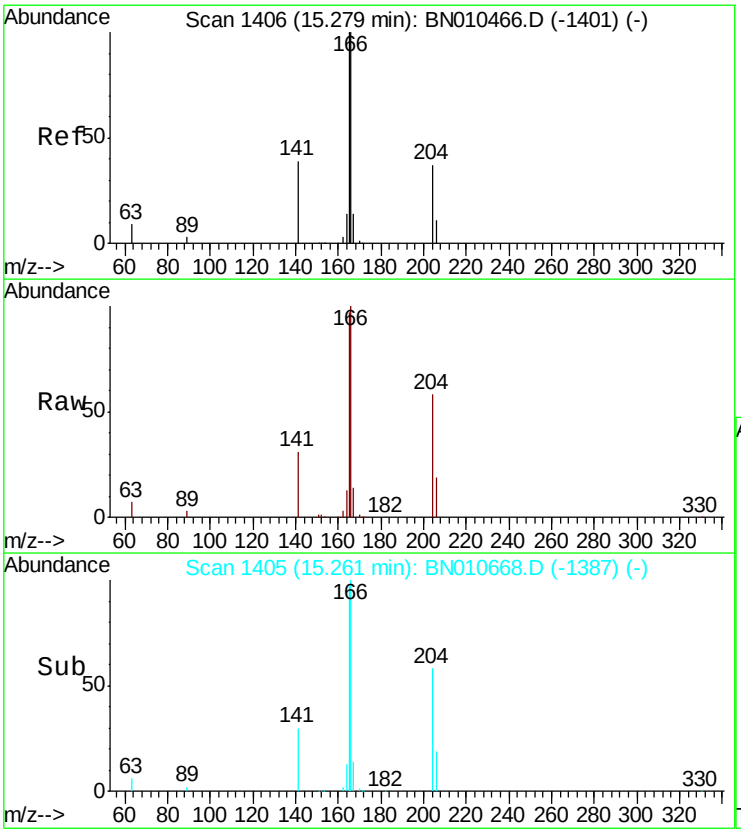
#17
Acenaphthene
Concen: 0.403 ng
RT: 14.27 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 15824

Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.0	136.4
152	55.9	44.6	67.0

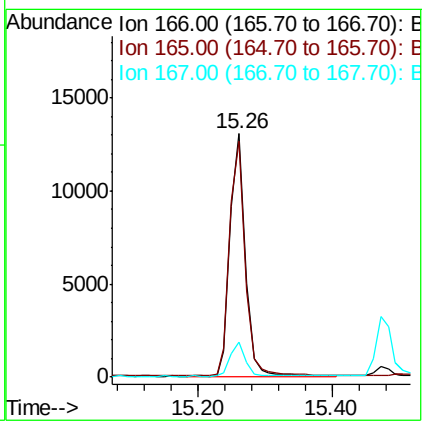


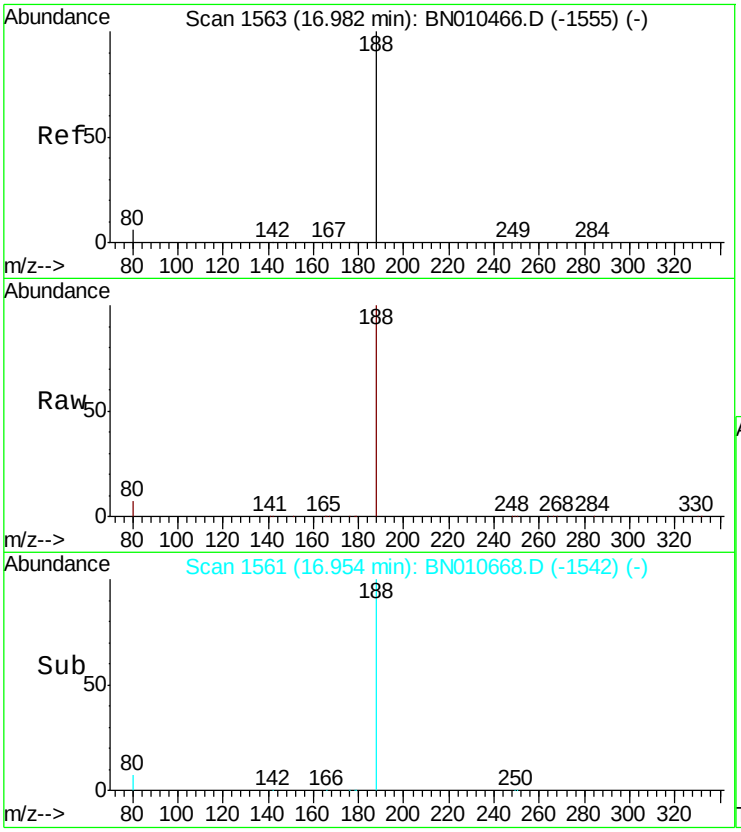


#18
Fluorene
Concen: 0.397 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:166 Resp: 20425

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.4	117.6
167	13.7	10.9	16.3



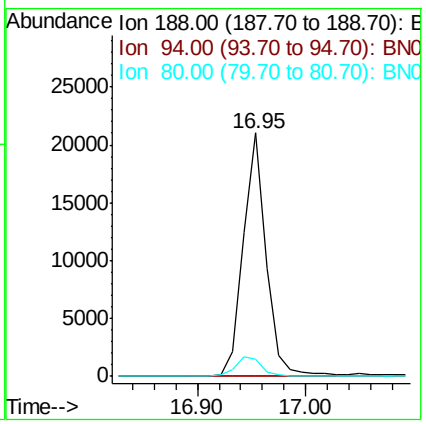


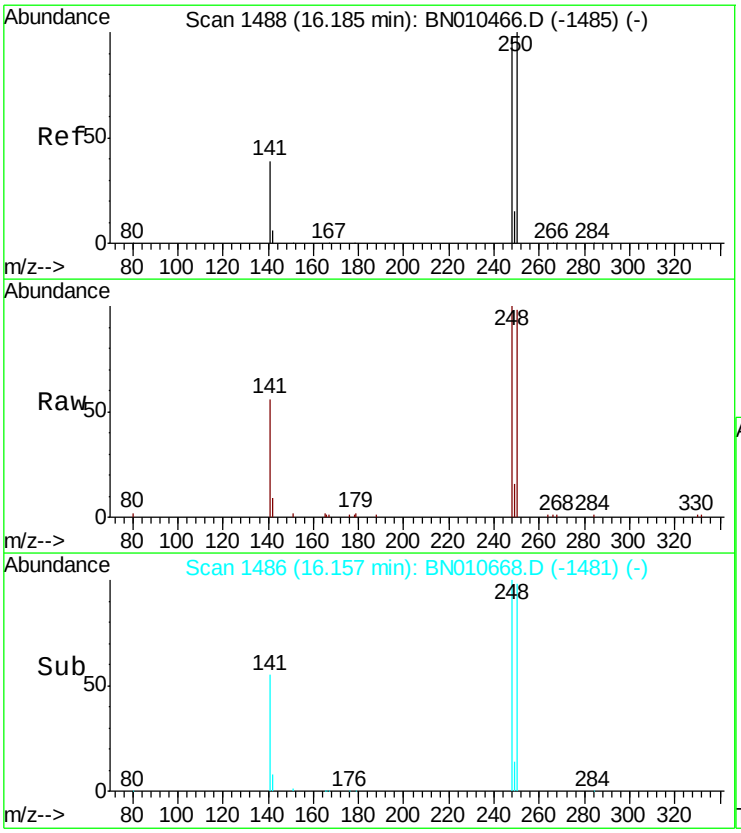
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 30561

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	5.0	7.6

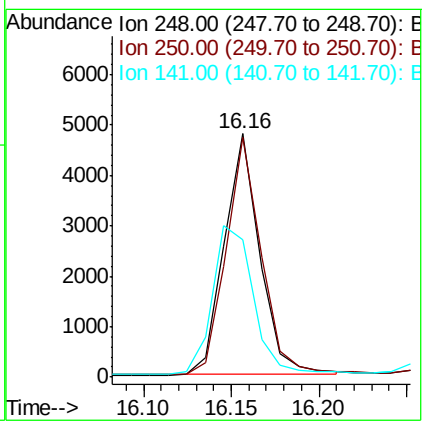


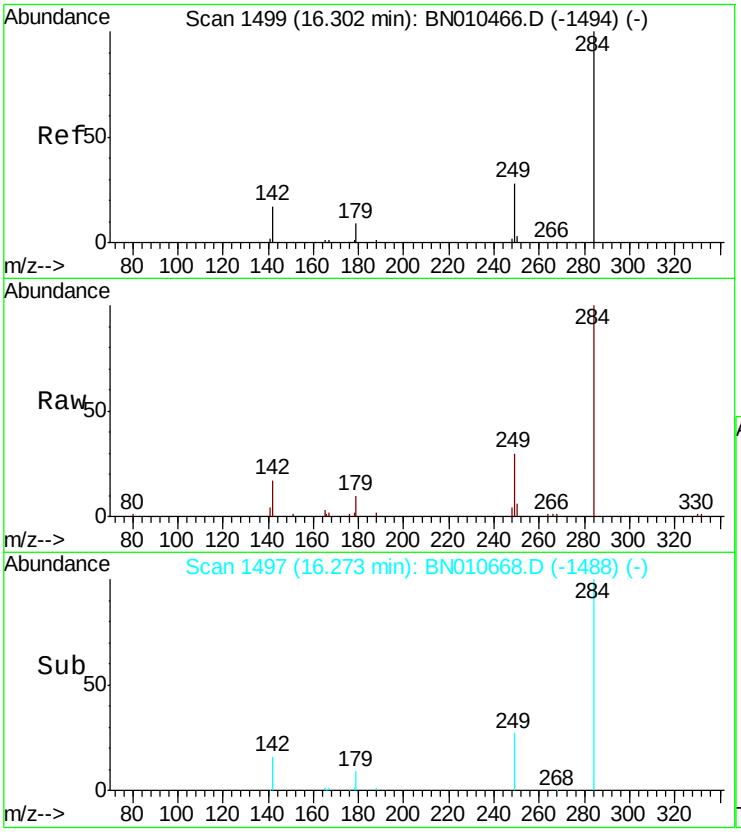


#20
4-Bromophenyl-phenylether
Concen: 0.392 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:248 Resp: 6649

Ion	Ratio	Lower	Upper
248	100		
250	98.4	82.3	123.5
141	56.2	35.2	52.8#



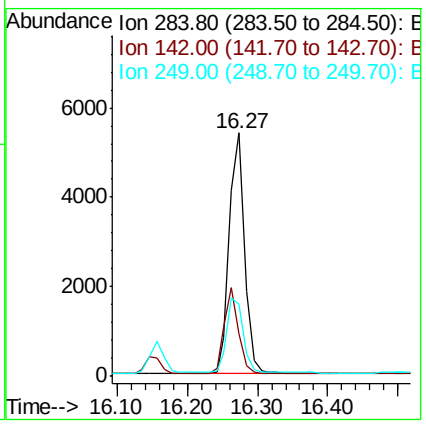


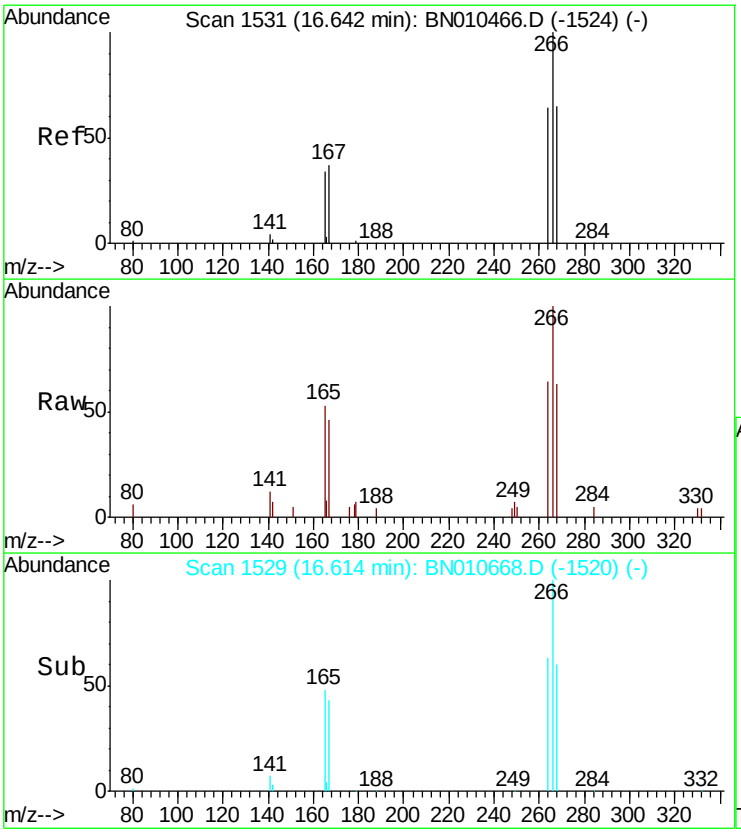
#21
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 8130

Ion	Ratio	Lower	Upper
284	100		
142	33.2	25.5	38.3
249	32.9	25.8	38.6

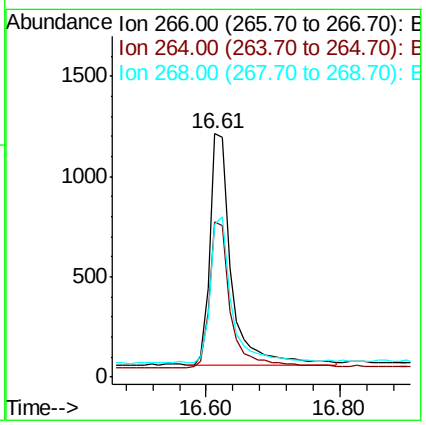


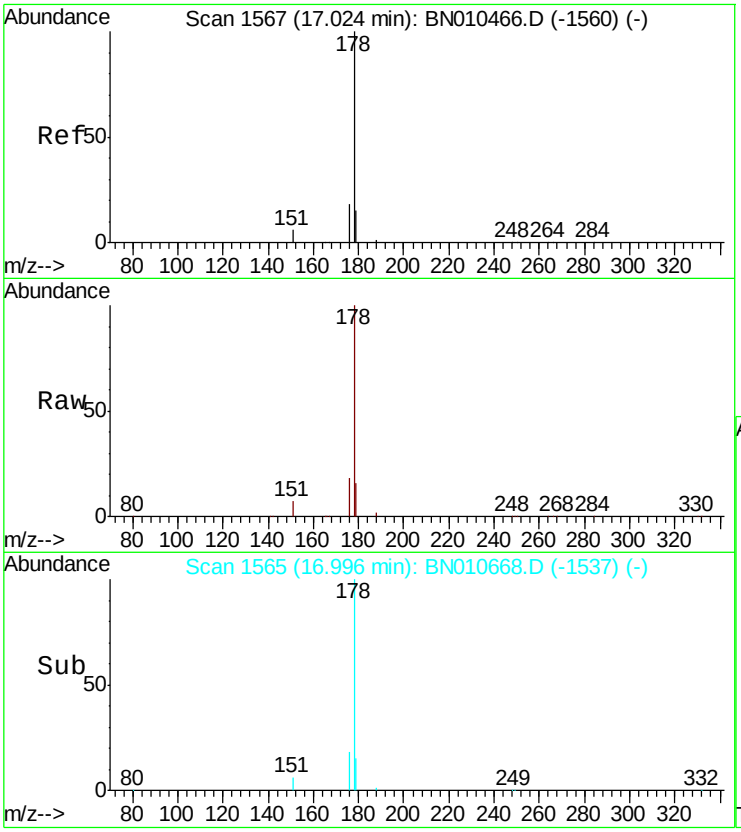


#22
Pentachlorophenol
Concen: 0.334 ng
RT: 16.61 min Scan# 1529
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:266 Resp: 2548

Ion	Ratio	Lower	Upper
266	100		
264	63.8	51.8	77.6
268	62.7	53.7	80.5



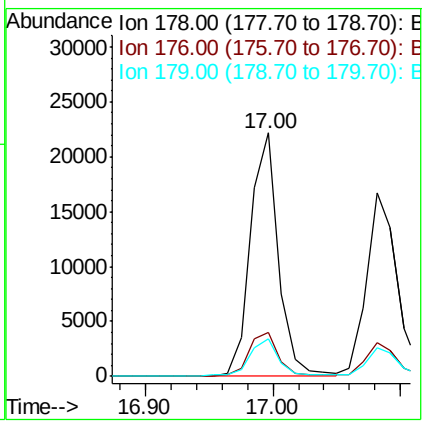


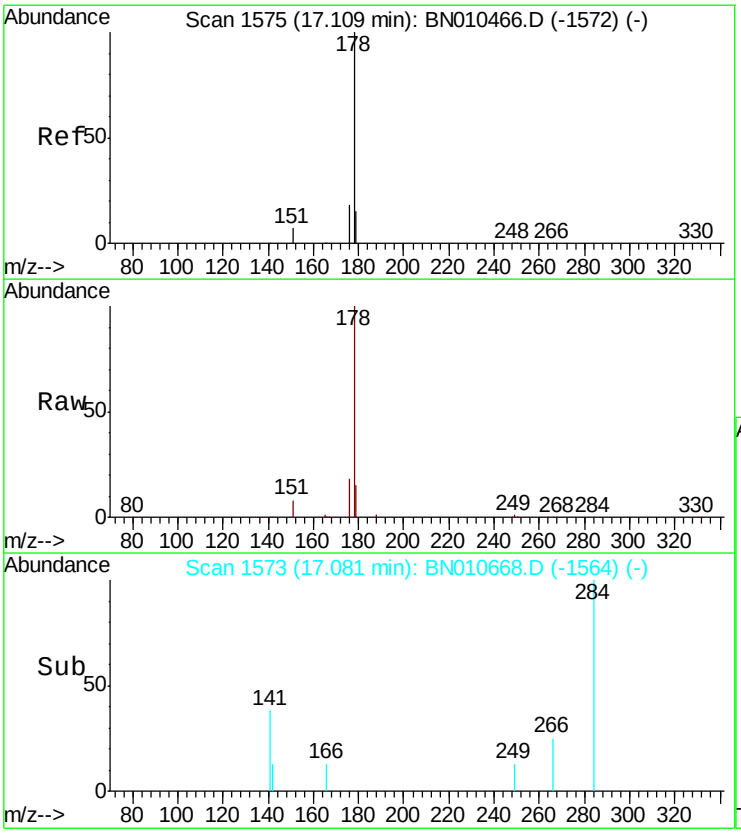
#23
Phenanthrene
Concen: 0.407 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 33614

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.6	18.8

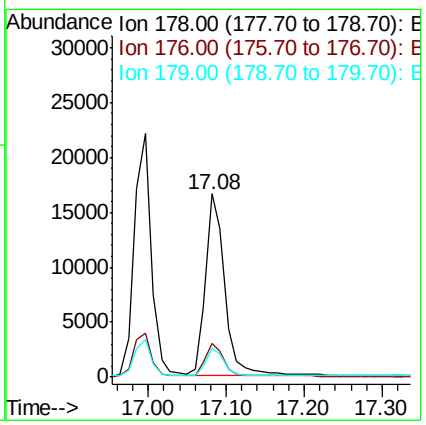


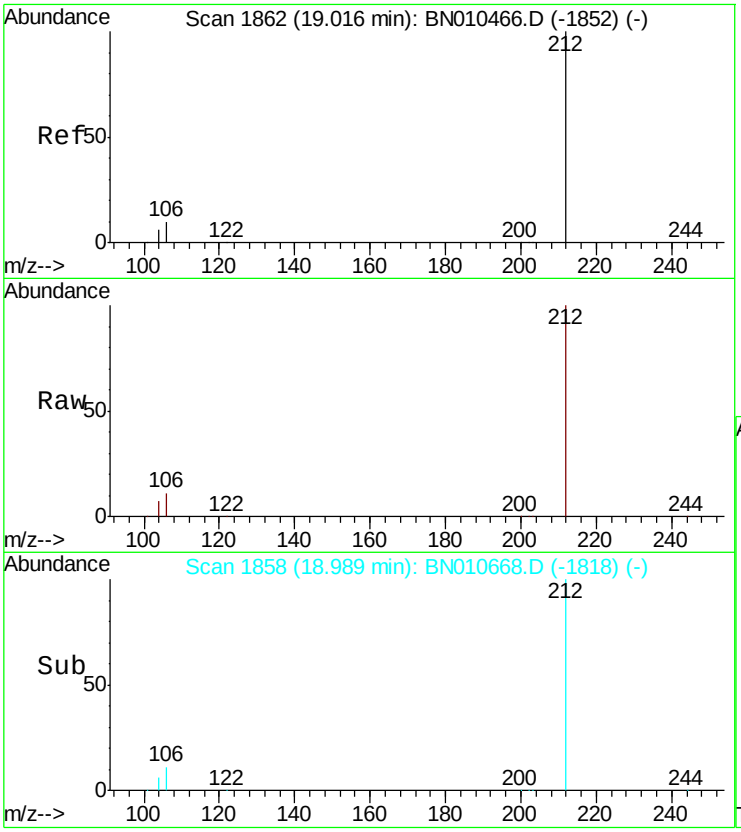


#24
Anthracene
Concen: 0.372 ng
RT: 17.08 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:178 Resp: 28083

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	21.8
179	15.1	12.2	18.2



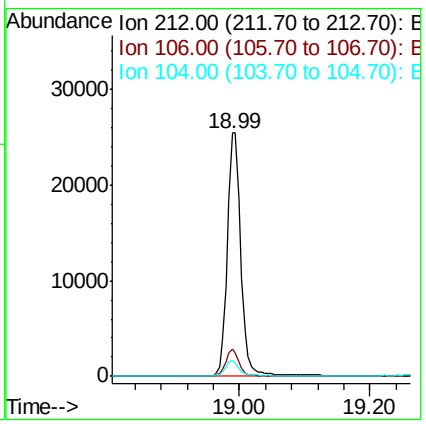


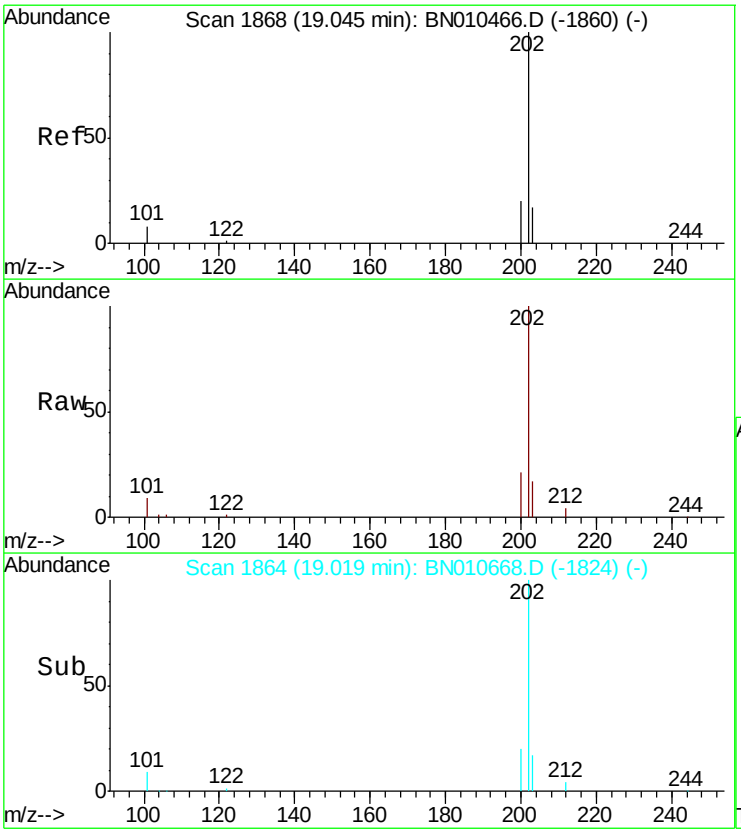
#25
Fluoranthene-d10
Concen: 0.398 ng
RT: 18.99 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 36856

Ion	Ratio	Lower	Upper
212	100		
106	10.4	7.8	11.6
104	5.9	4.5	6.7

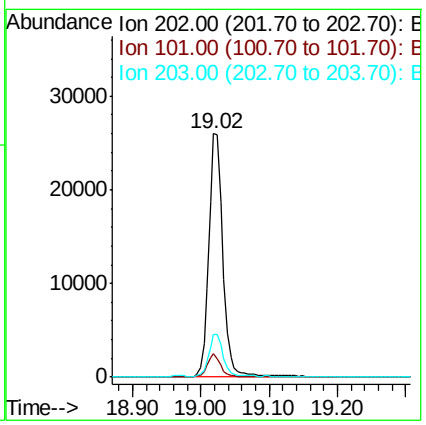


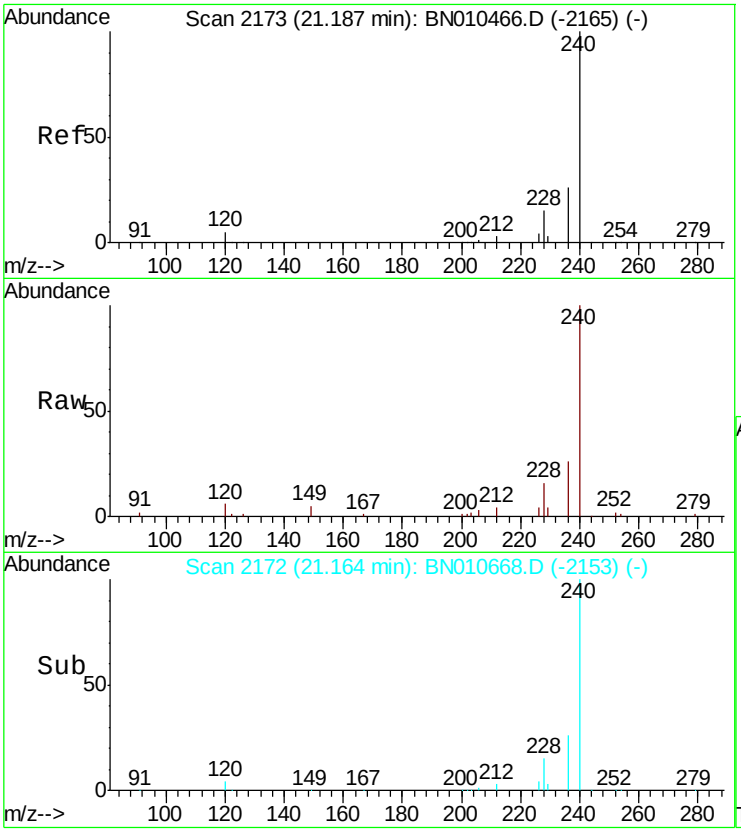


#26
Fluoranthene
Concen: 0.359 ng
RT: 19.02 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:202 Resp: 36870

Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.9	10.3
203	17.1	13.9	20.9



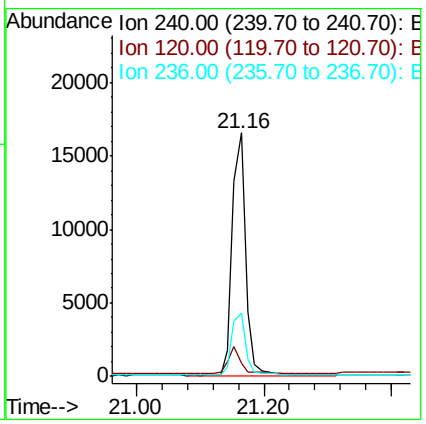


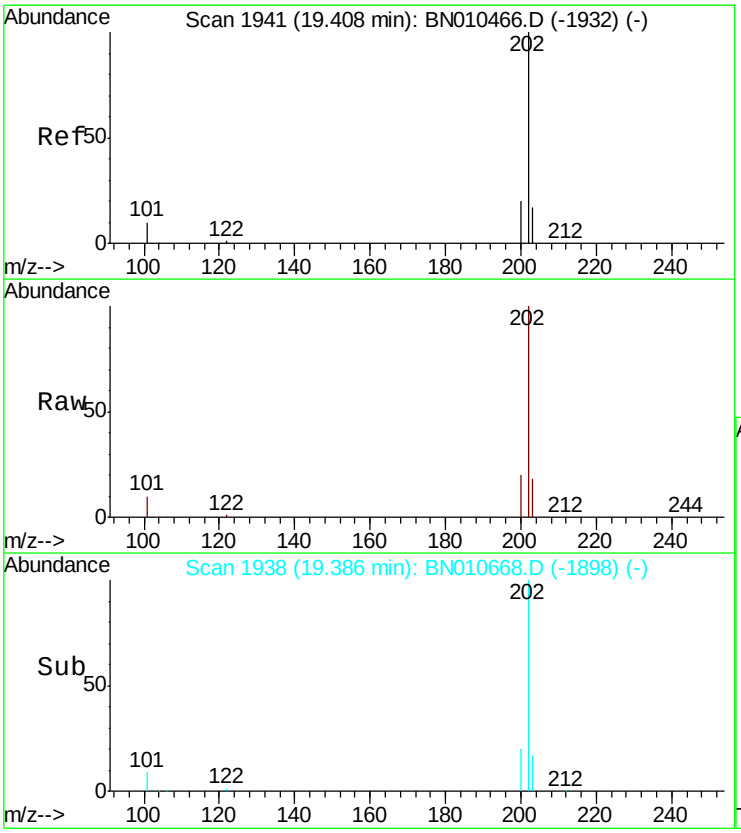
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.16 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 24086

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.8	7.2
236	26.1	21.4	32.0

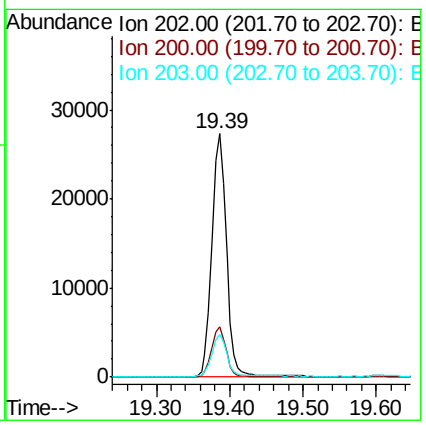


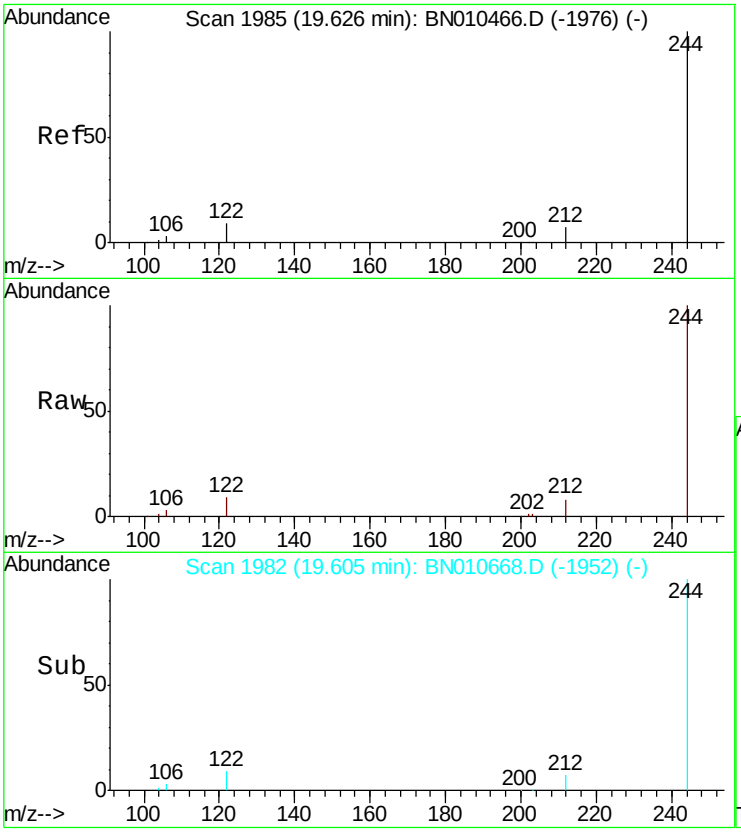


#28
Pyrene
Concen: 0.456 ng
RT: 19.39 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:202 Resp: 37010

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	17.7	14.0	21.0



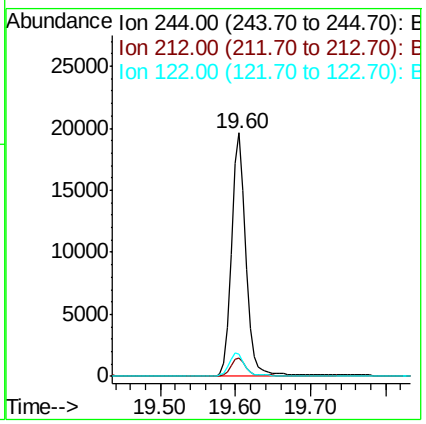


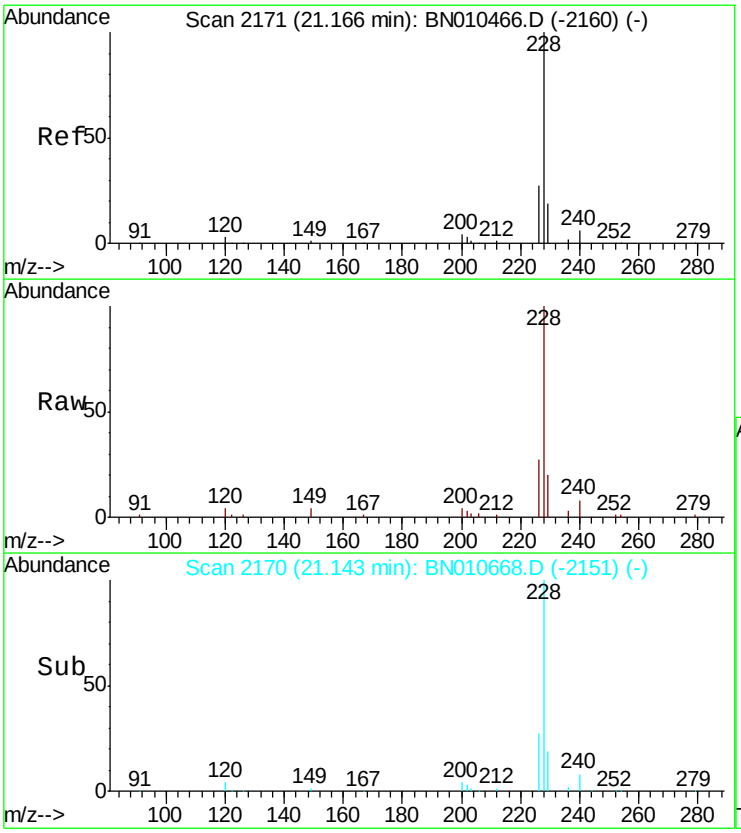
#29
Terphenyl-d14
Concen: 0.456 ng
RT: 19.60 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 25121

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.2	7.8	11.8

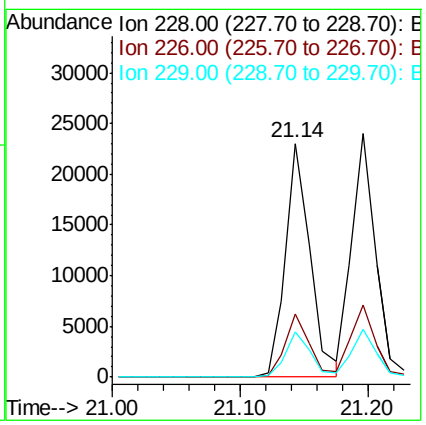


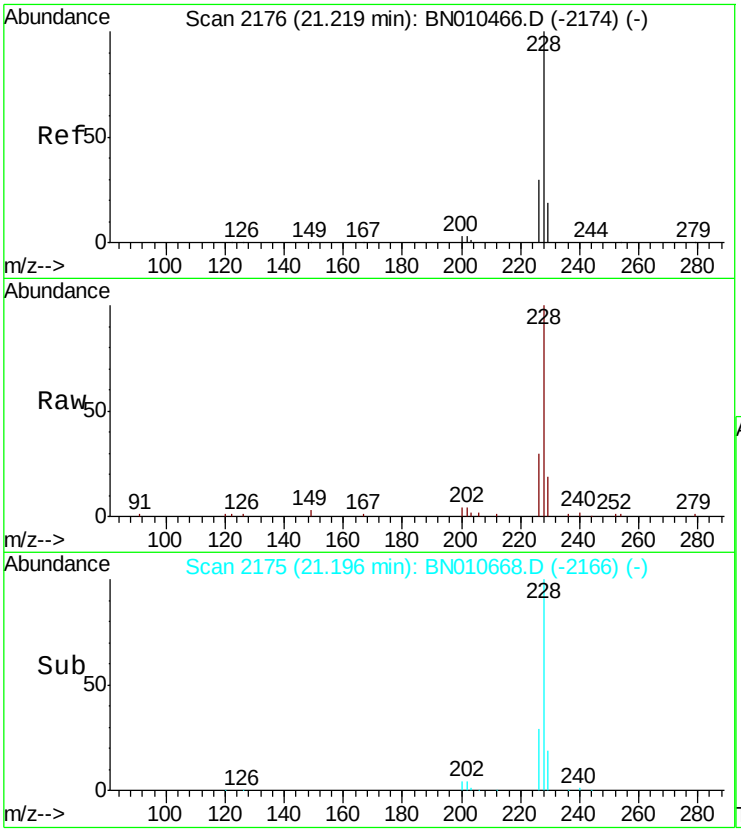


#30
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:228 Resp: 30499

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.5	15.6	23.4



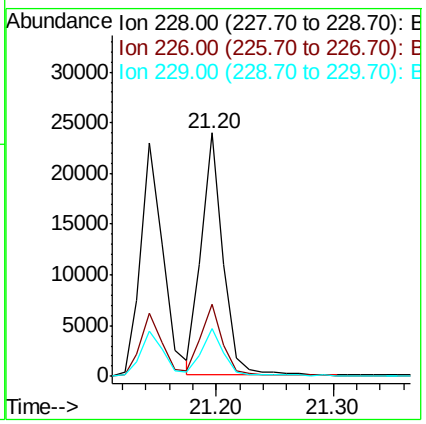


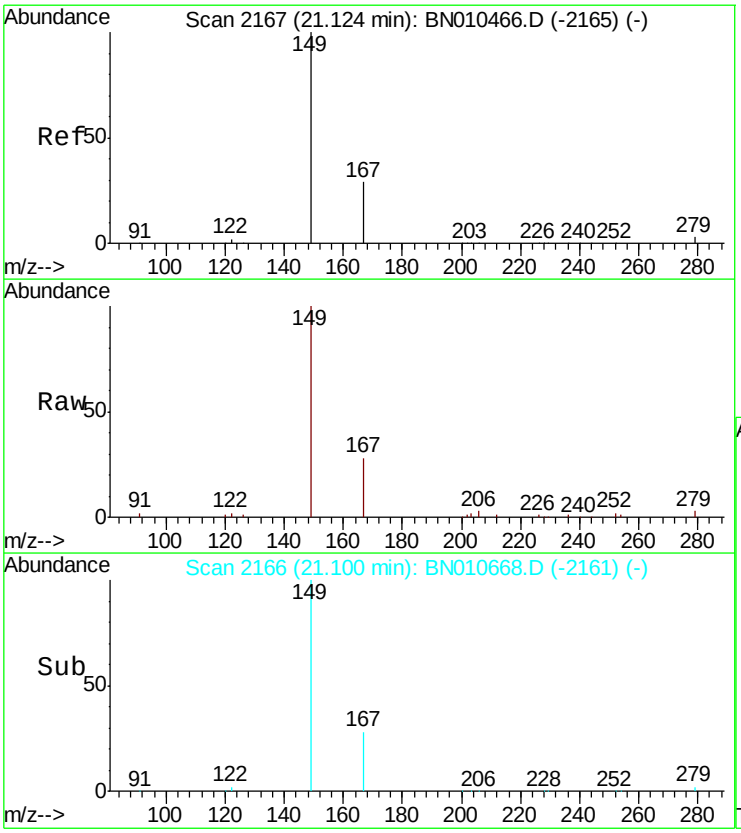
#31
Chrysene
Concen: 0.393 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 30736

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	19.4	15.8	23.6

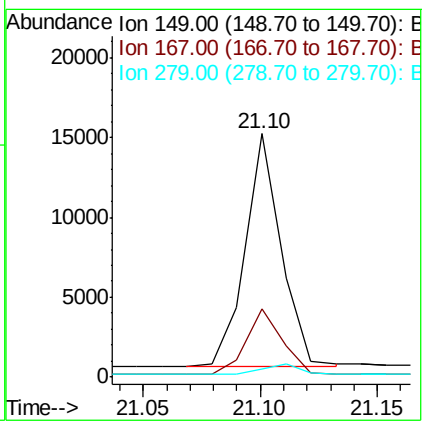


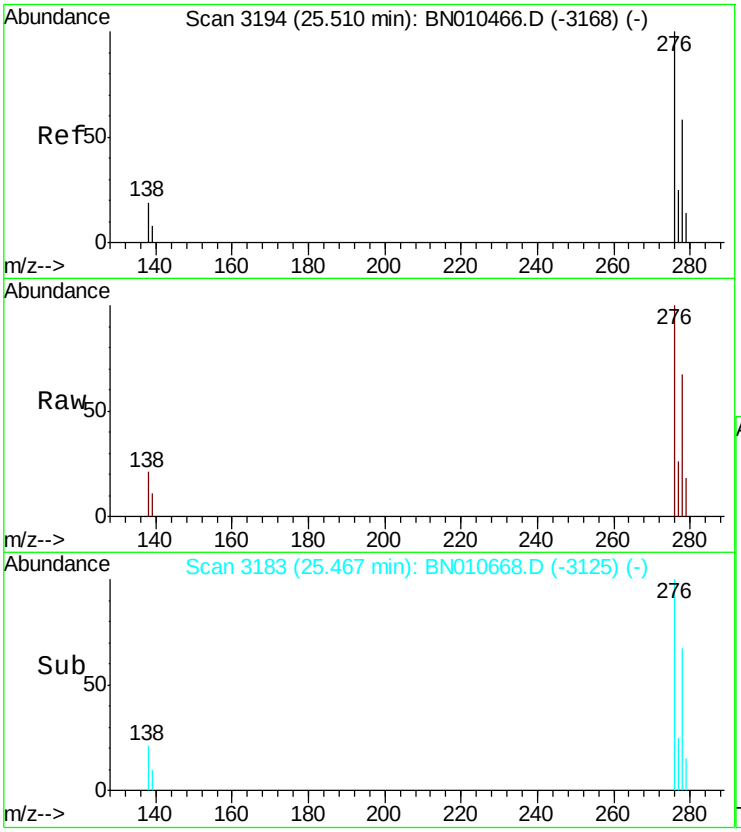


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.382 ng
RT: 21.10 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:149 Resp: 15418

Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.4	35.0
279	4.8	4.0	6.0



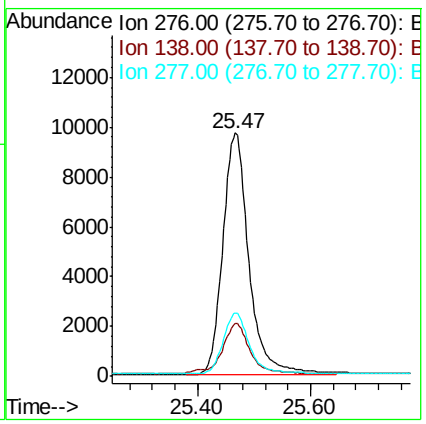


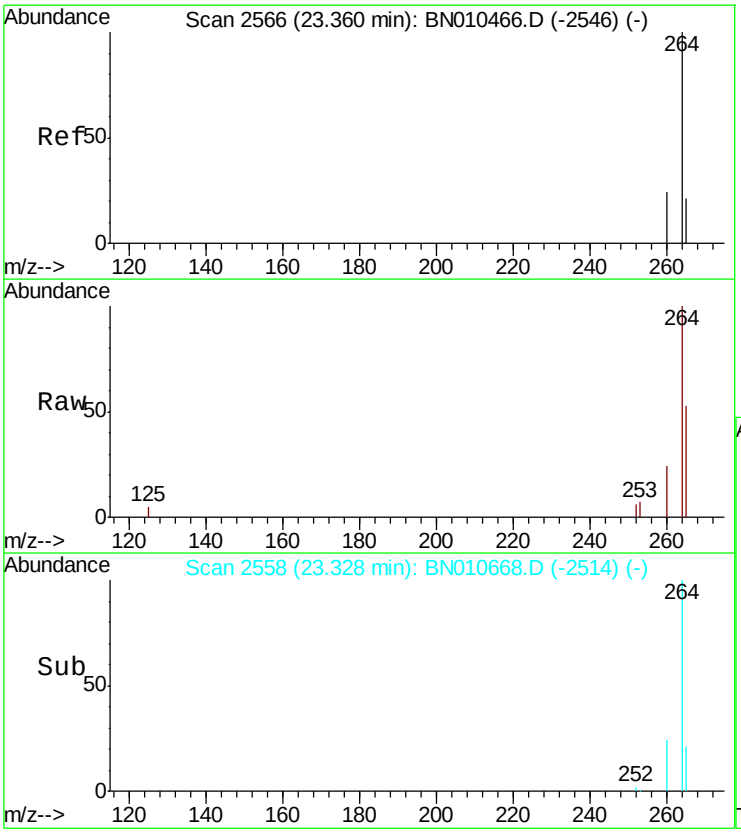
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.452 ng
RT: 25.47 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 31274

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

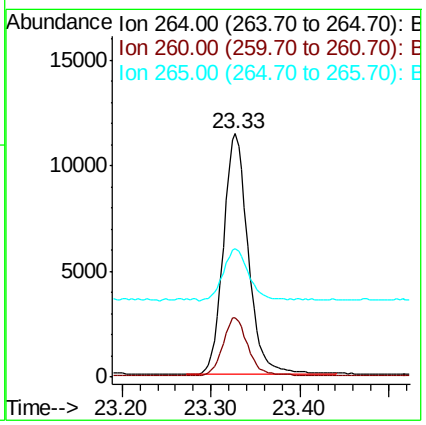


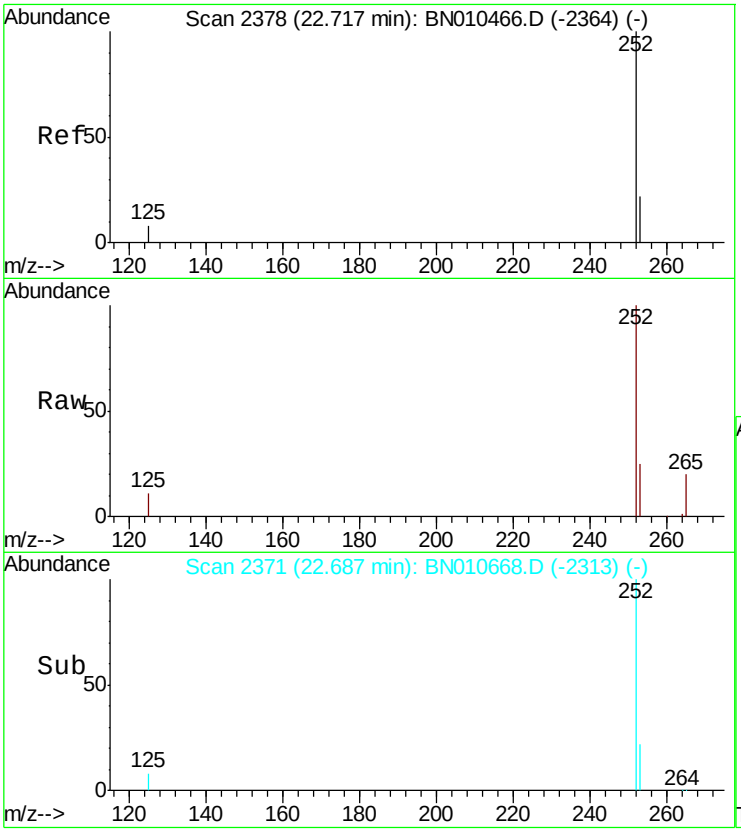


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.33 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:264 Resp: 22330

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.8
265	52.6	42.3	63.5



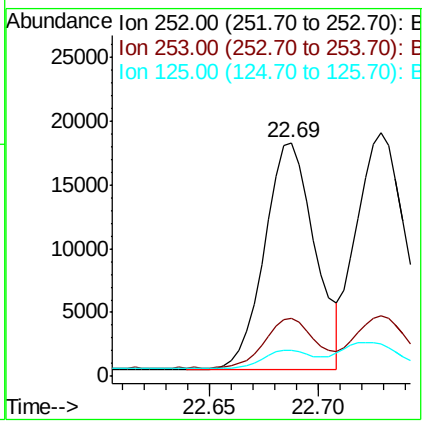


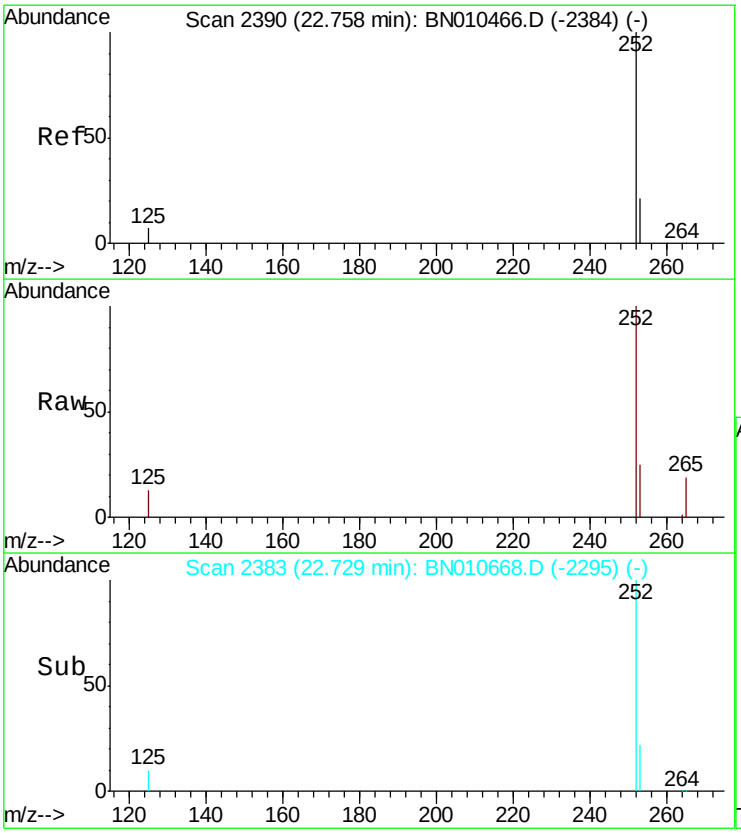
#35
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 22.69 min Scan# 2371
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 28671

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.2	30.4
125	11.3	9.2	13.8

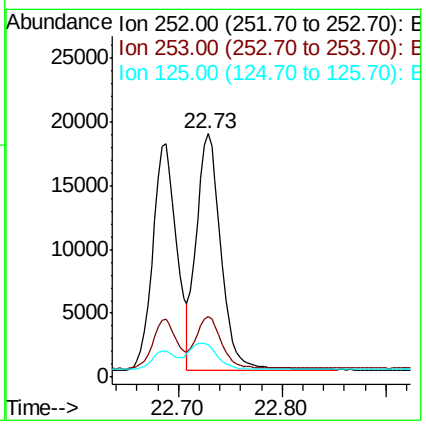


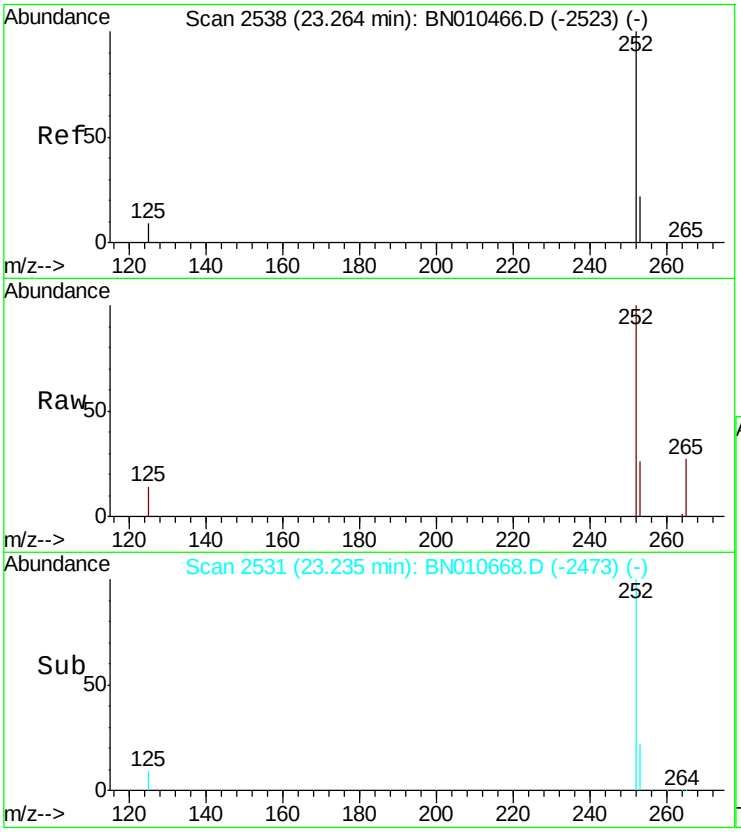


#36
Benzo(k)fluoranthene
Concen: 0.415 ng
RT: 22.73 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:252 Resp: 30559

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.1	30.1
125	13.1	9.6	14.4



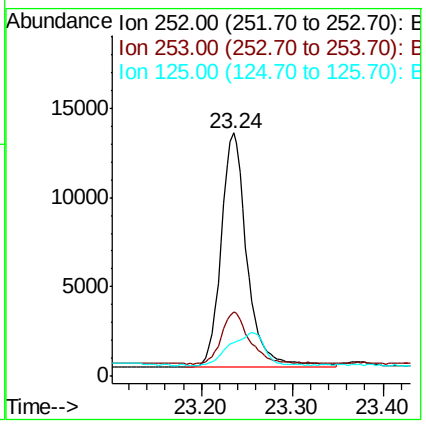


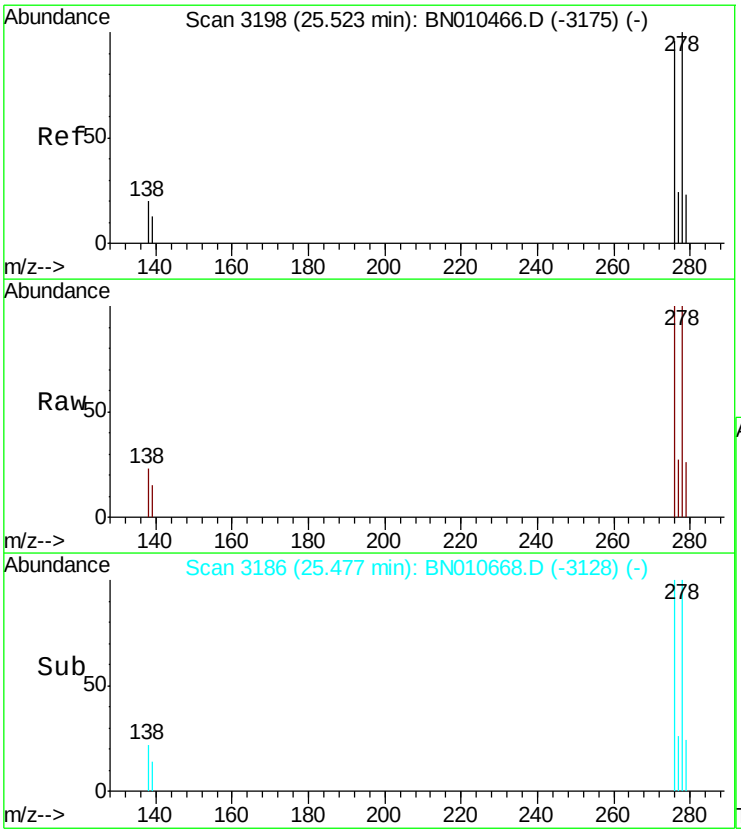
#37
Benzo(a)pyrene
Concen: 0.399 ng
RT: 23.24 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 25946

Ion	Ratio	Lower	Upper
252	100		
253	26.3	21.8	32.8
125	14.0	11.0	16.6

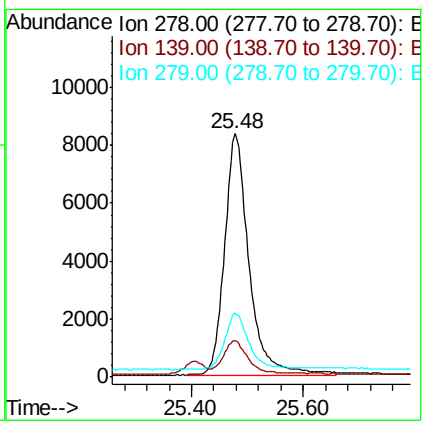


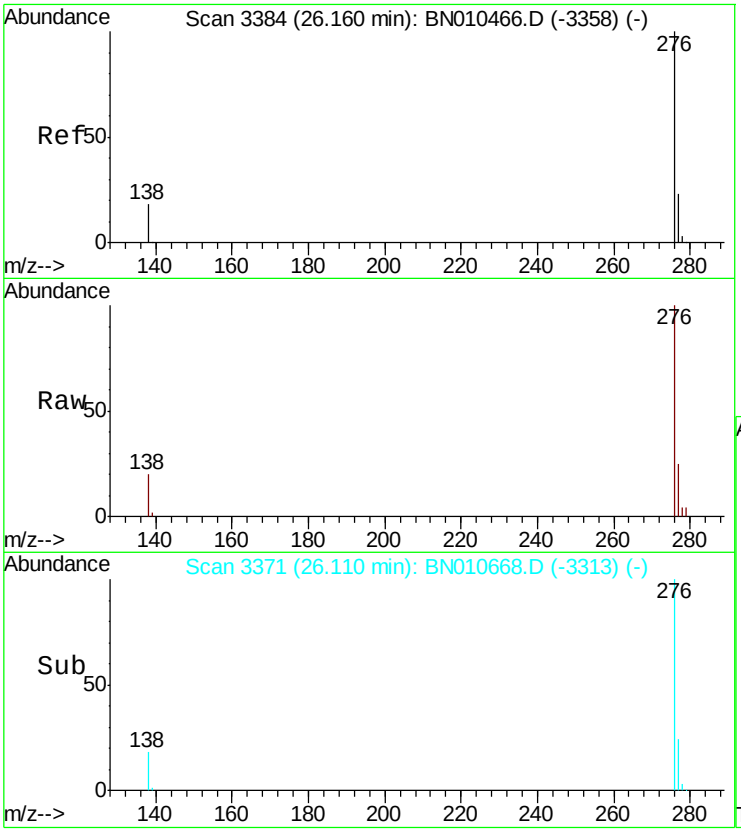


#38
Dibenzo(a,h)anthracene
Concen: 0.422 ng
RT: 25.48 min Scan# 3186
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Tgt Ion:278 Resp: 25092

Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.3	18.5
279	26.5	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.425 ng
RT: 26.11 min Scan# 3371
Delta R.T. 0.00 min
Lab File: BN010668.D
Acq: 30 Apr 2020 10:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 25434

Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.2
138	19.5	15.4	23.2