Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051220\
Data File : BN010698.D
Acq On : 12 May 2020 13:47
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: May 12 14:17:53 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 May 12 10:58:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	3395	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	13195	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	8024	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	16883	0.40	ng		0.00
27) Chrysene-d12	21.15	240	13920	0.40	ng		-0.01
34) Perylene-d12	23.32	264	13128	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2704	0.36	ng		0.00
5) Phenol-d6	6.77	99	3310	0.34	ng		0.00
8) Nitrobenzene-d5	8.71	82	3639	0.39	ng		-0.01
11) 2-Methylnaphthalene-d10	11.93	152	8440	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	1062	0.28	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	11708	0.40	ng		0.00
25) Fluoranthene-d10	18.99	212	17570	0.34	ng		0.00
29) Terphenyl-d14	19.60	244	13172	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	1154	0.46	ng		98
3) n-Nitrosodimethylamine	3.57	42	707	0.44	ng	#	80
6) bis(2-Chloroethyl)ether	7.02	93	3544	0.42	ng		98
9) Naphthalene	10.38	128	13184	0.40	ng		99
10) Hexachlorobutadiene	10.68	225	3074	0.39	ng	#	100
12) 2-Methylnaphthalene	12.00	142	9121	0.39	ng		98
16) Acenaphthylene	13.91	152	12344	0.36	ng		100
17) Acenaphthene	14.27	154	8687	0.39	ng		99
18) Fluorene	15.26	166	11217	0.38	ng		100
20) 4-Bromophenyl-phenylether	16.16	248	3590	0.38	ng	#	83
21) Hexachlorobenzene	16.27	284	4405	0.41	ng		97
22) Pentachlorophenol	16.62	266	1219	0.29	ng		97
23) Phenanthrene	17.00	178	17482	0.38	ng		100
24) Anthracene	17.09	178	14287	0.34	ng		100
26) Fluoranthene	19.02	202	19750	0.35	ng		99
28) Pyrene	19.39	202	19645	0.42	ng		100
30) Benzo(a)anthracene	21.14	228	16146	0.36	ng		99
31) Chrysene	21.20	228	17707	0.39	ng		98
32) Bis(2-ethylhexyl)phthalate	21.10	149	6848	0.29	ng		99
33) Indeno(1,2,3-cd)pyrene	25.47	276	15942	0.40	ng		98
35) Benzo(b)fluoranthene	22.68	252	16738	0.39	ng		98
36) Benzo(k)fluoranthene	22.73	252	18239	0.42	ng		97
37) Benzo(a)pyrene	23.23	252	14417	0.38	ng	#	94
38) Dibenzo(a,h)anthracene	25.48	278	12700	0.36	ng		97
39) Benzo(g,h,i)perylene	26.11	276	14263	0.41	ng		99

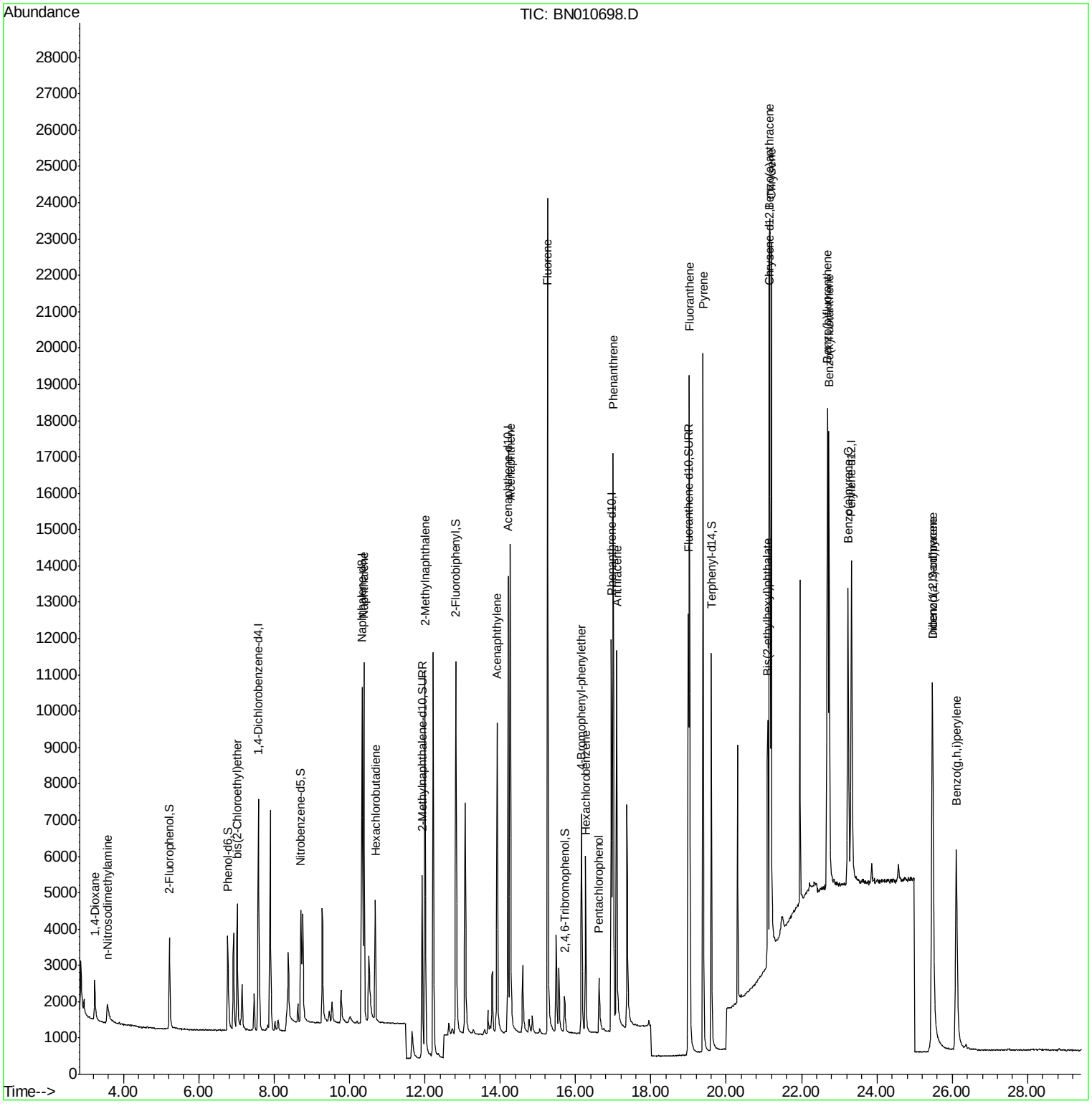
(#) = qualifier out of range (m) = manual integration (+) = signals summed

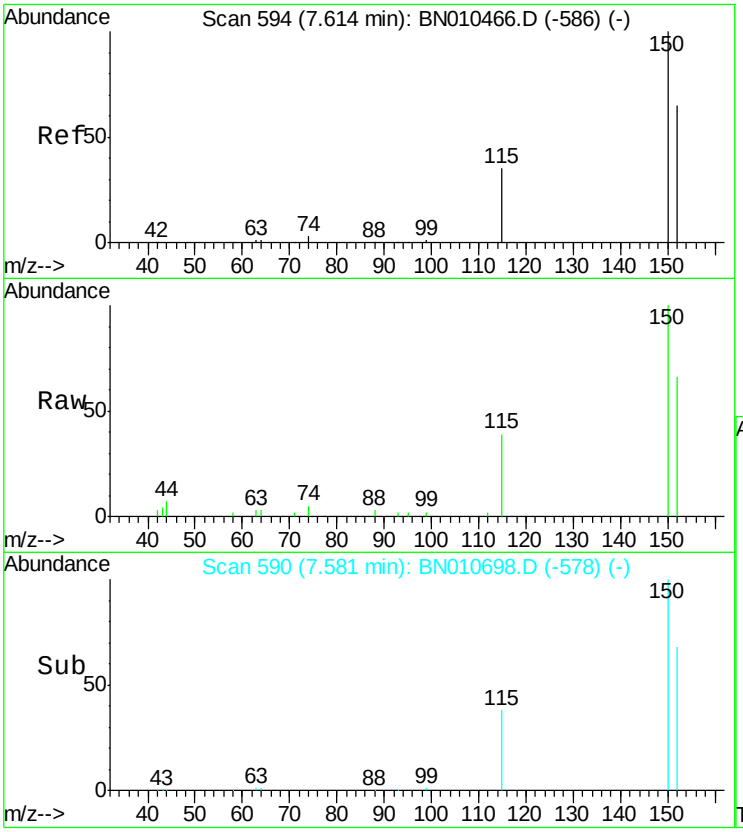
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051220\
Data File : BN010698.D
Acq On : 12 May 2020 13:47
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 12 14:17:53 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 May 12 10:58:34 2020
Response via : Initial Calibration



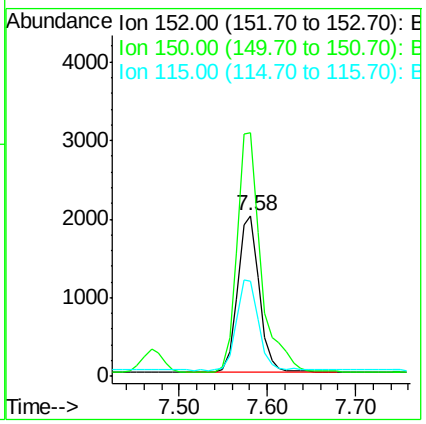


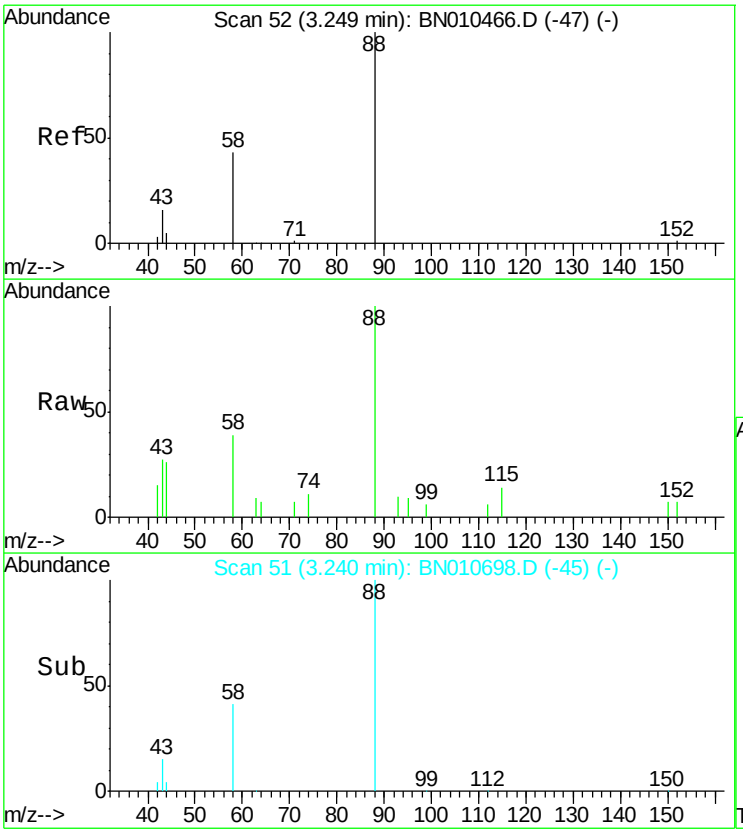
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.58 min Scan# 590
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3395

Ion	Ratio	Lower	Upper
152	100		
150	151.4	121.8	182.6
115	58.8	45.5	68.3

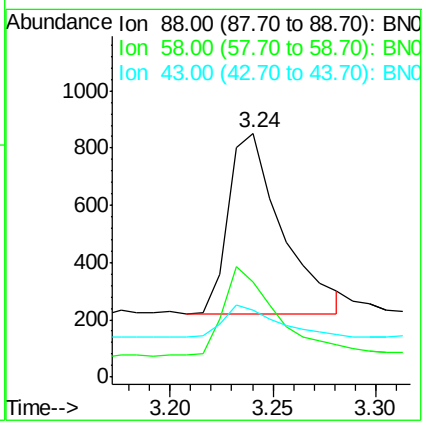


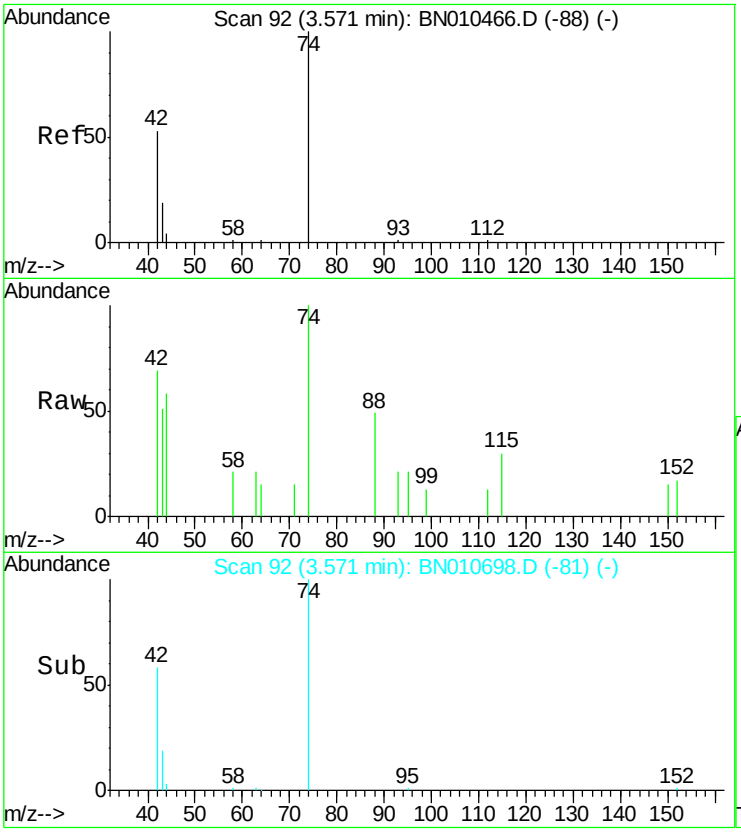


#2
1,4-Dioxane
Concen: 0.46 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion: 88 Resp: 1154

Ion	Ratio	Lower	Upper
88	100		
58	46.6	36.5	54.7
43	17.7	13.2	19.8



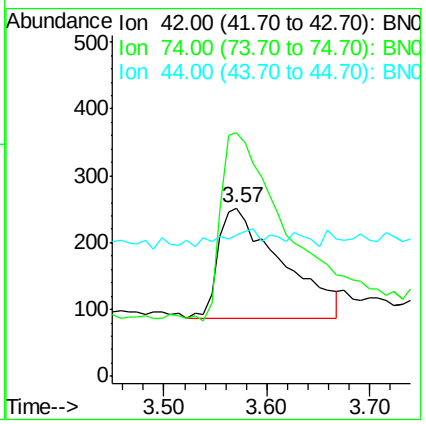


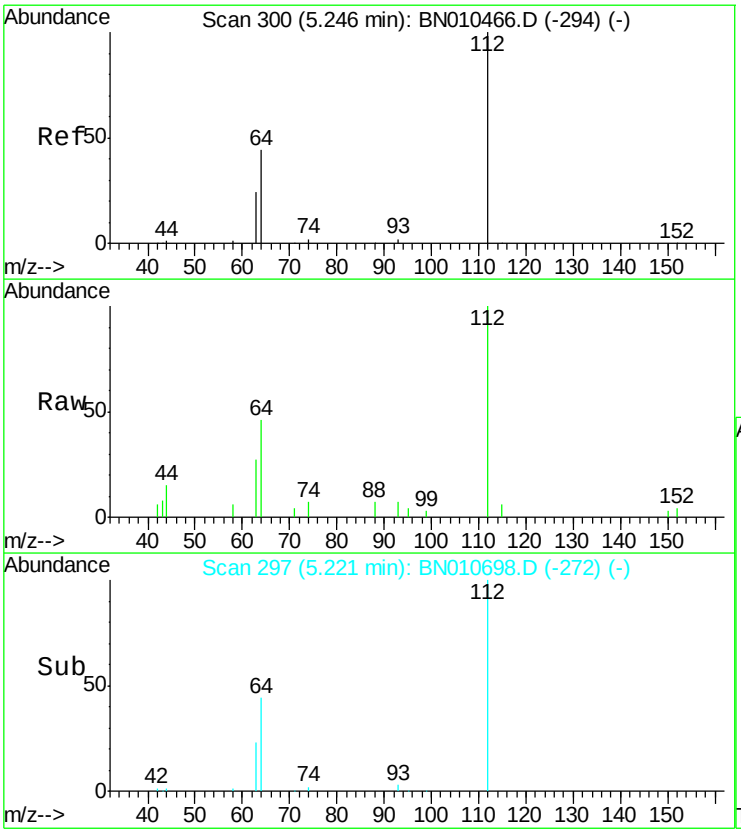
#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.57 min Scan# 92
Delta R.T. -0.01 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 707

Ion	Ratio	Lower	Upper
42	100		
74	172.8	162.2	243.4
44	10.6	2.4	3.6#

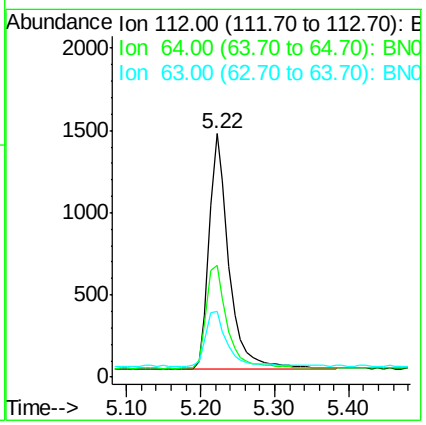


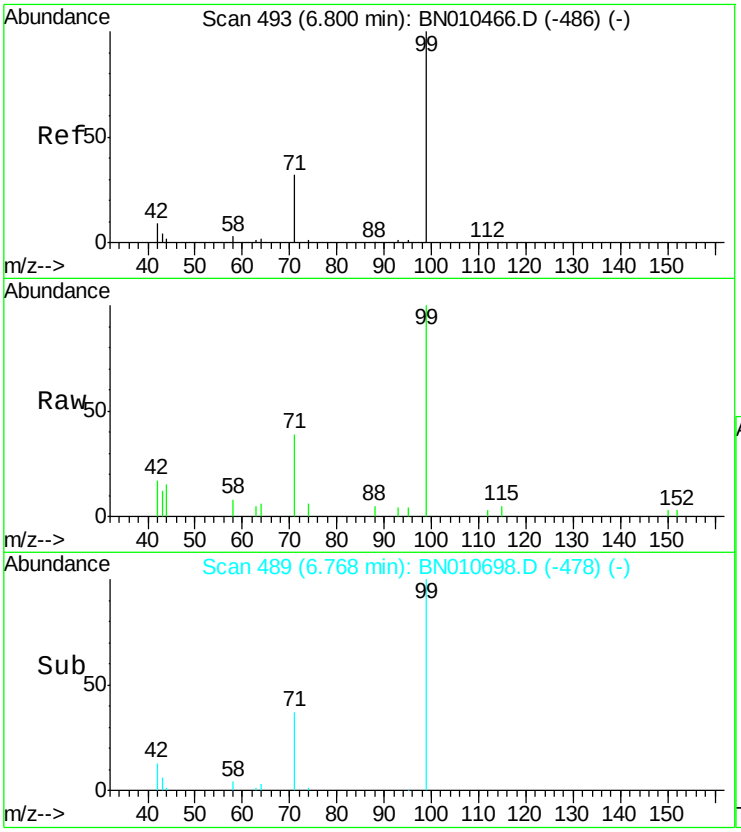


#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:112 Resp: 2704

Ion	Ratio	Lower	Upper
112	100		
64	46.6	35.8	53.8
63	24.7	19.9	29.9



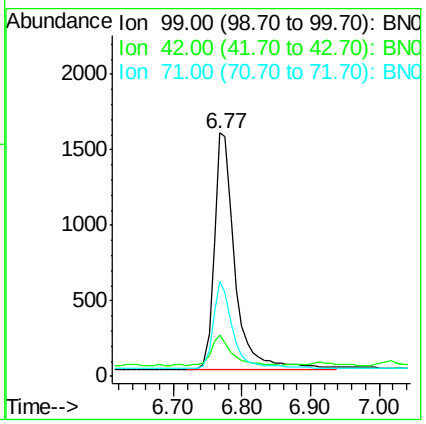


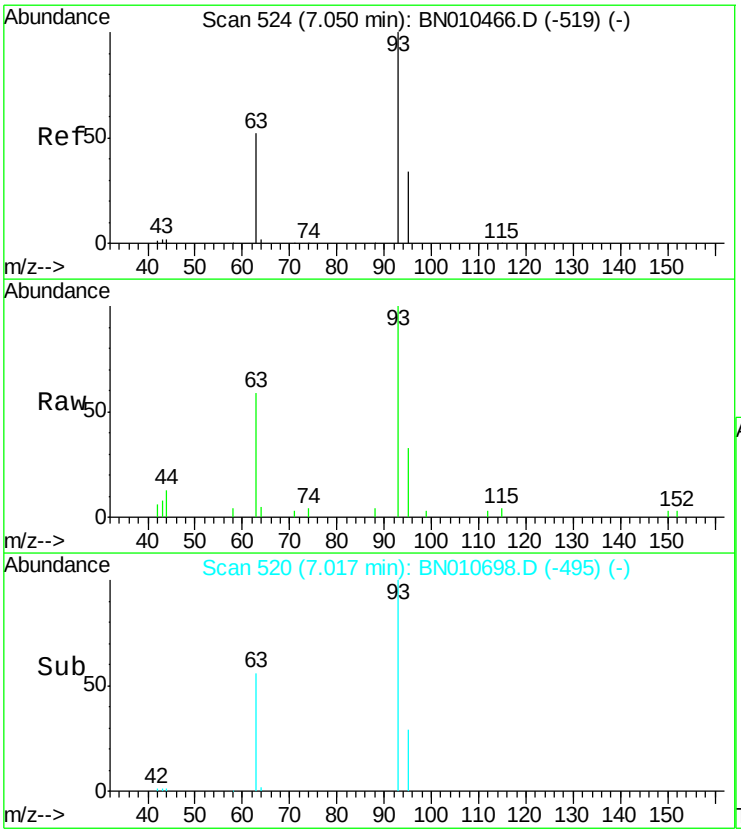
#5
Phenol-d6
Concen: 0.34 ng
RT: 6.77 min Scan# 489
Delta R.T. -0.01 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3310

Ion	Ratio	Lower	Upper
99	100		
42	12.8	9.8	14.6
71	35.5	27.8	41.8

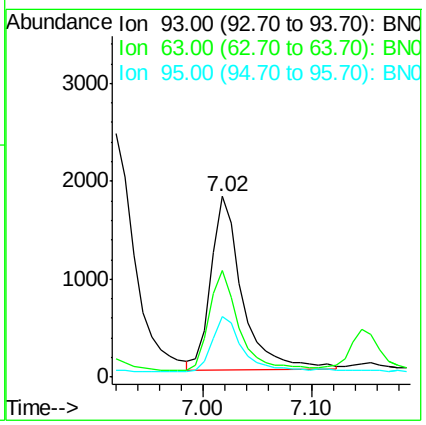


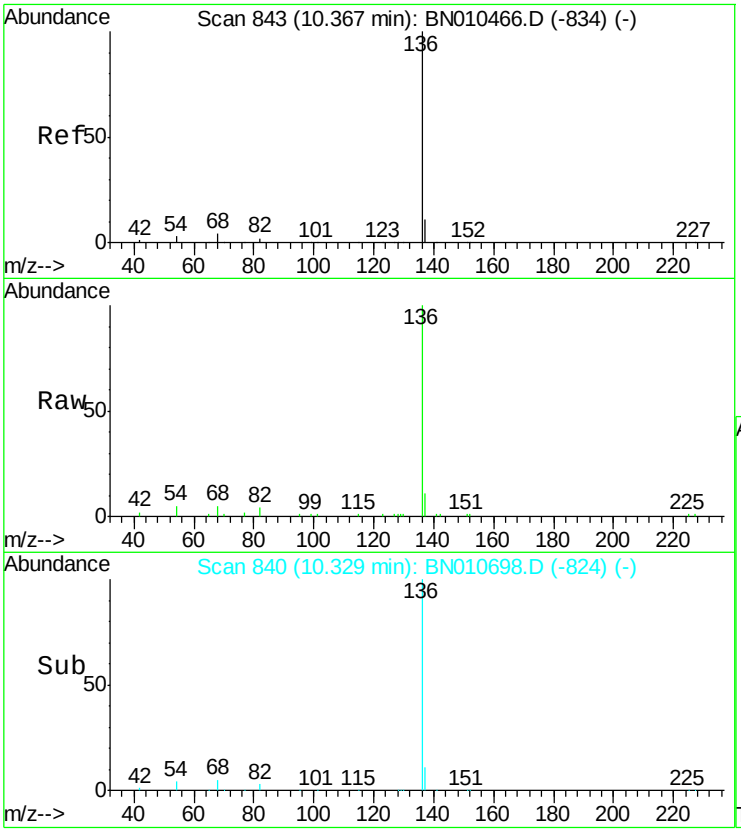


#6
bis(2-Chloroethyl)ether
Concen: 0.42 ng
RT: 7.02 min Scan# 520
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion: 93 Resp: 3544

Ion	Ratio	Lower	Upper
93	100		
63	54.6	44.6	66.8
95	31.2	26.5	39.7



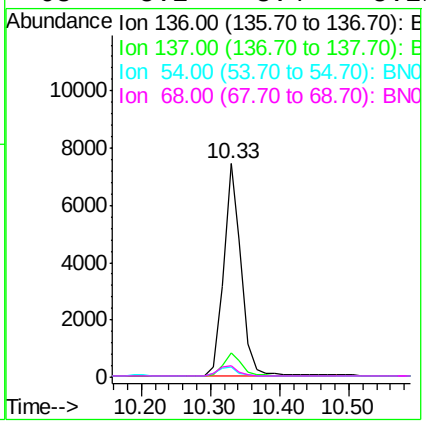


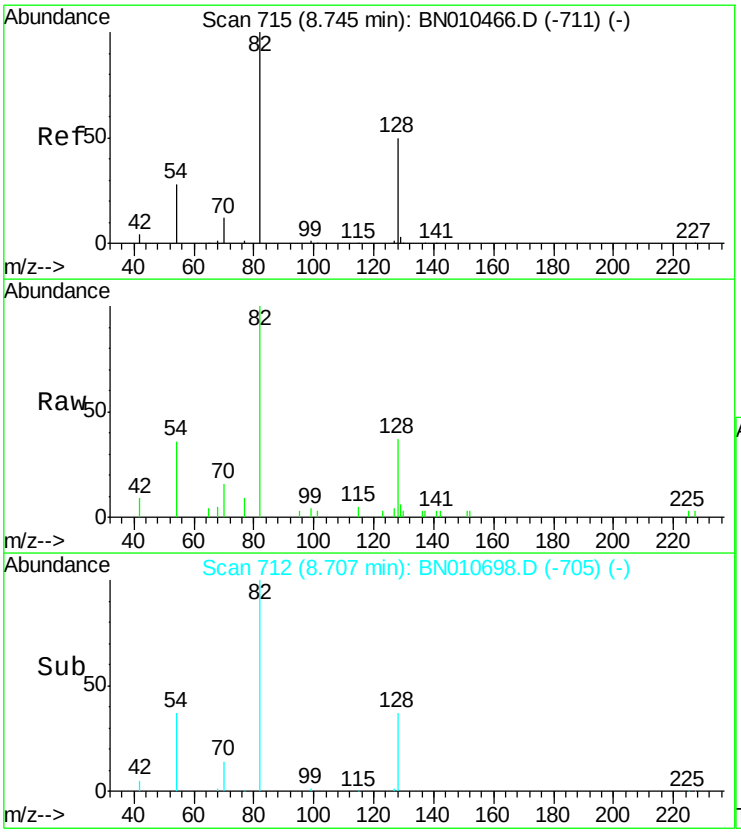
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 13195

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	4.5	2.6	4.0#
68	5.2	3.4	5.2#

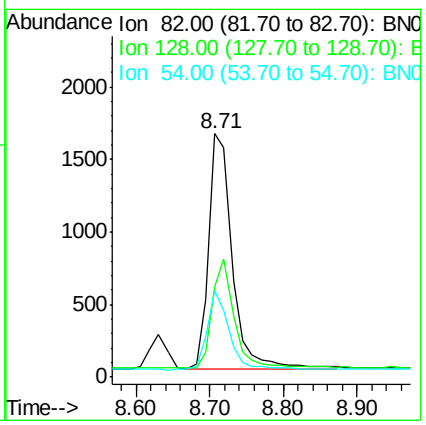


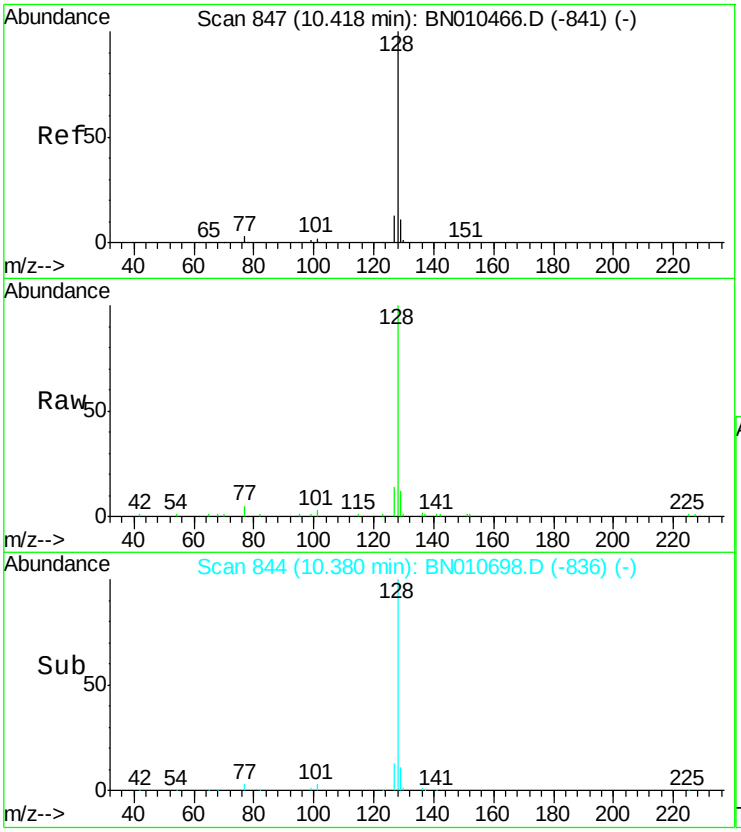


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.71 min Scan# 712
Delta R.T. -0.01 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion: 82 Resp: 3639

Ion	Ratio	Lower	Upper
82	100		
128	36.8	41.3	61.9#
54	35.6	23.4	35.0#



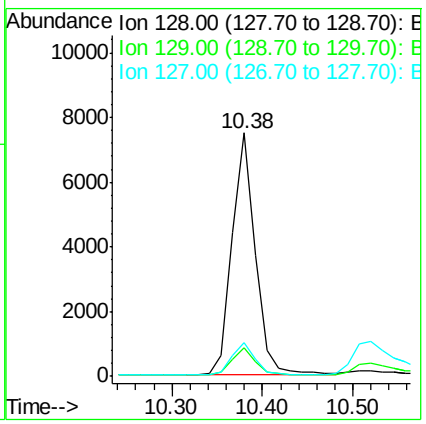


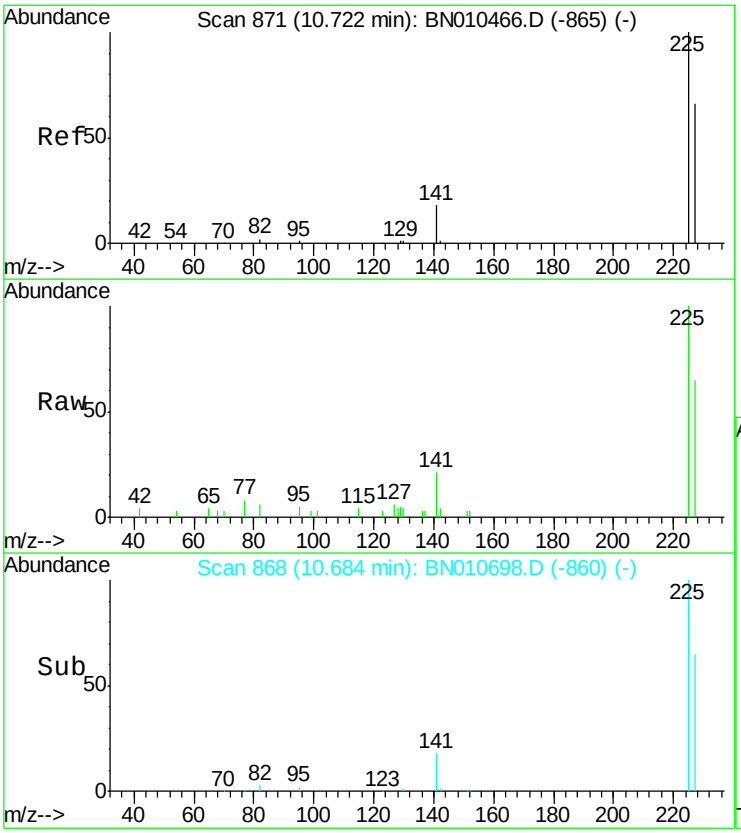
#9
Naphthalene
Concen: 0.40 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 13184

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.6	10.5	15.7

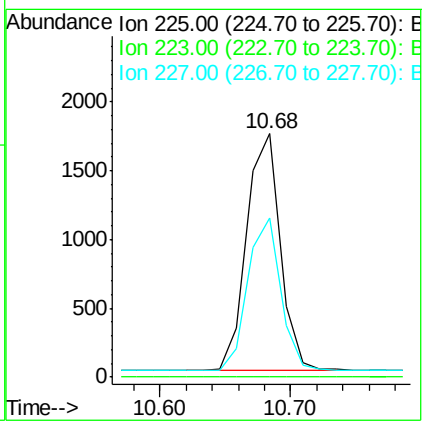


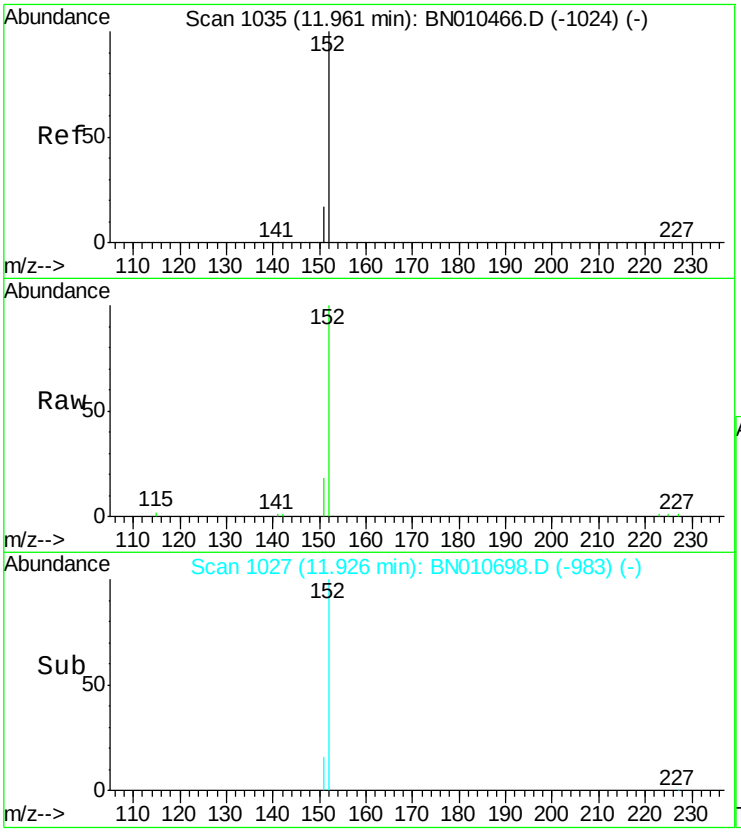


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:225 Resp: 3074

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.6	76.0



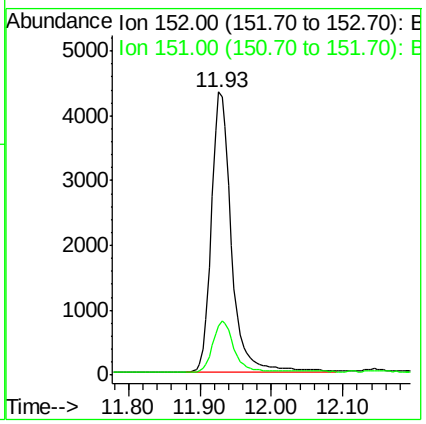


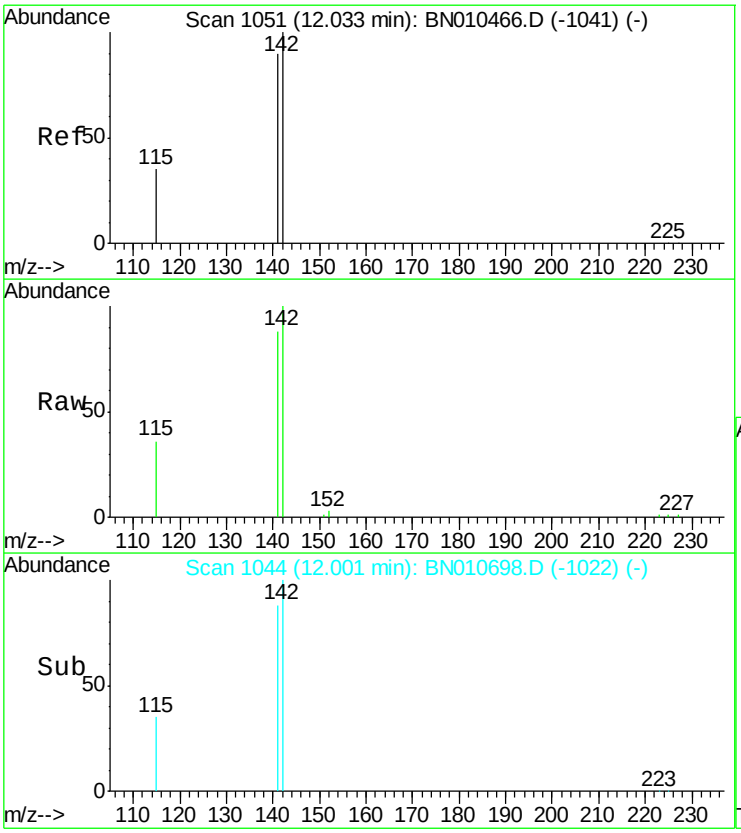
#11
2-Methylnaphthalene-d10
Concen: 0.39 ng
RT: 11.93 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 8440

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

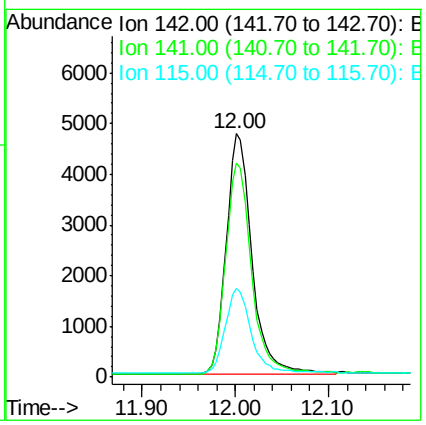


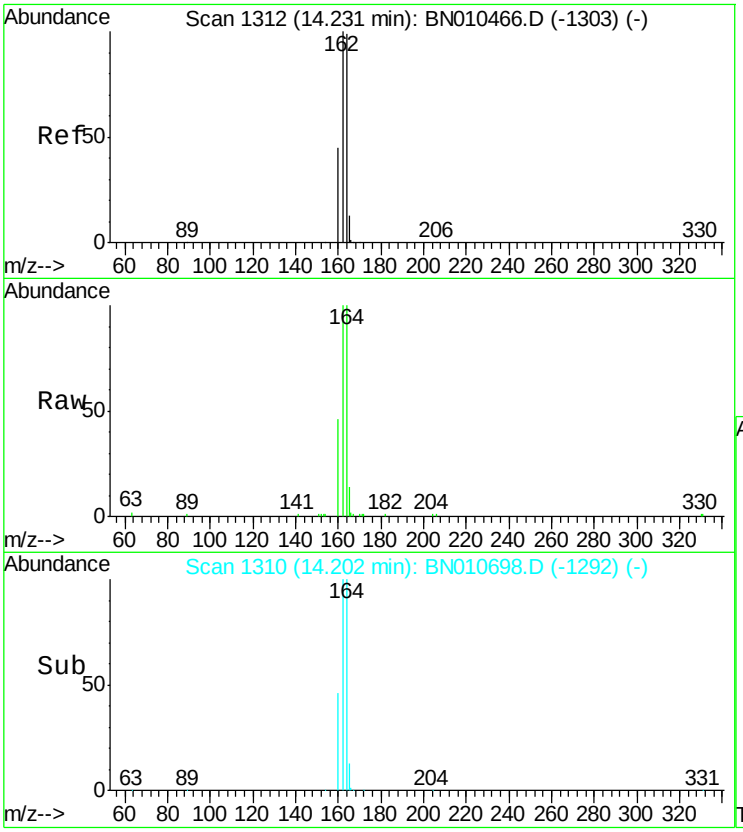


#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.00 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:142 Resp: 9121

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.9	107.9
115	36.4	28.8	43.2



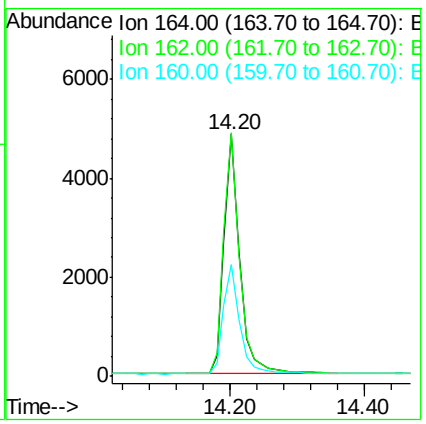


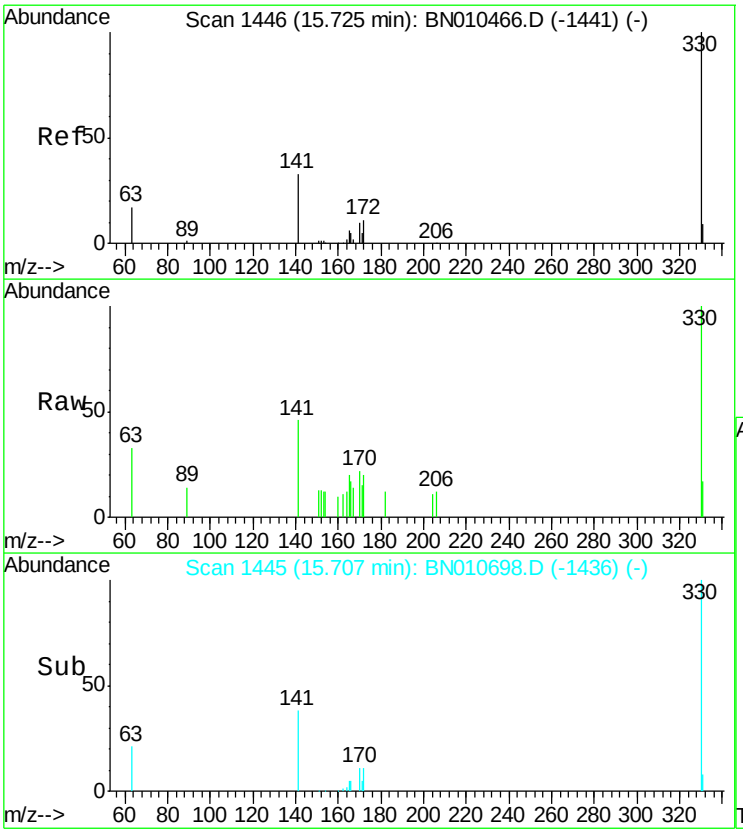
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 8024

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	121.0
160	46.3	36.5	54.7

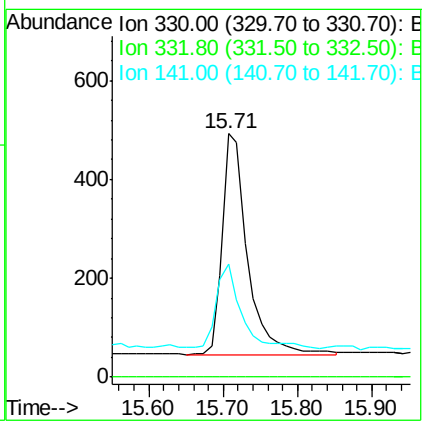


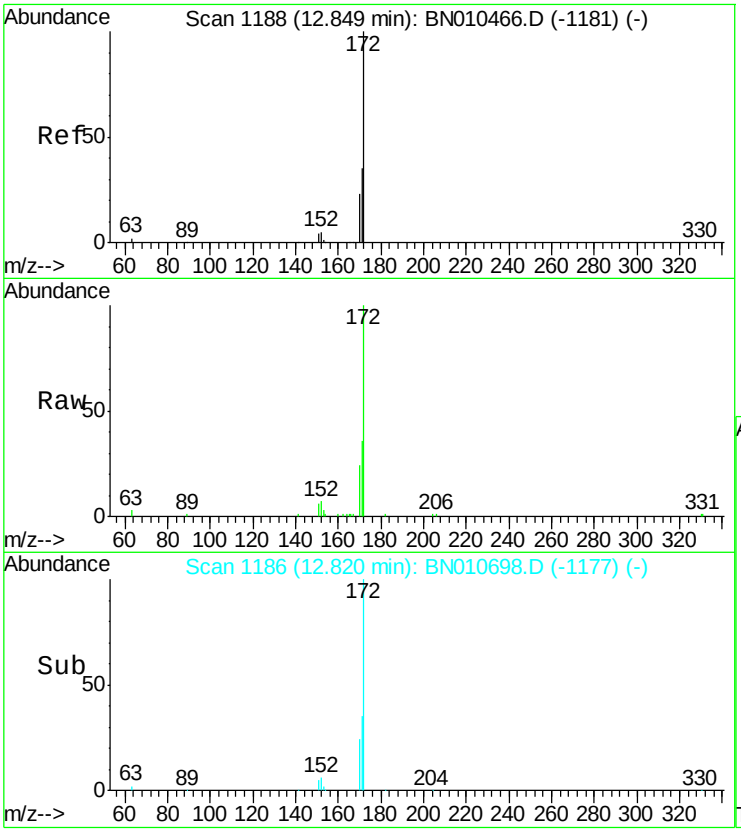


#14
2,4,6-Tribromophenol
Concen: 0.28 ng
RT: 15.71 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:330 Resp: 1062

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.3	28.1	42.1



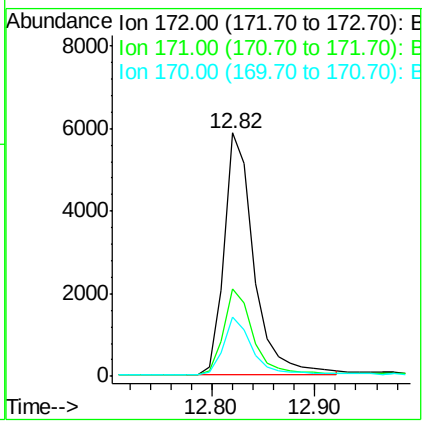


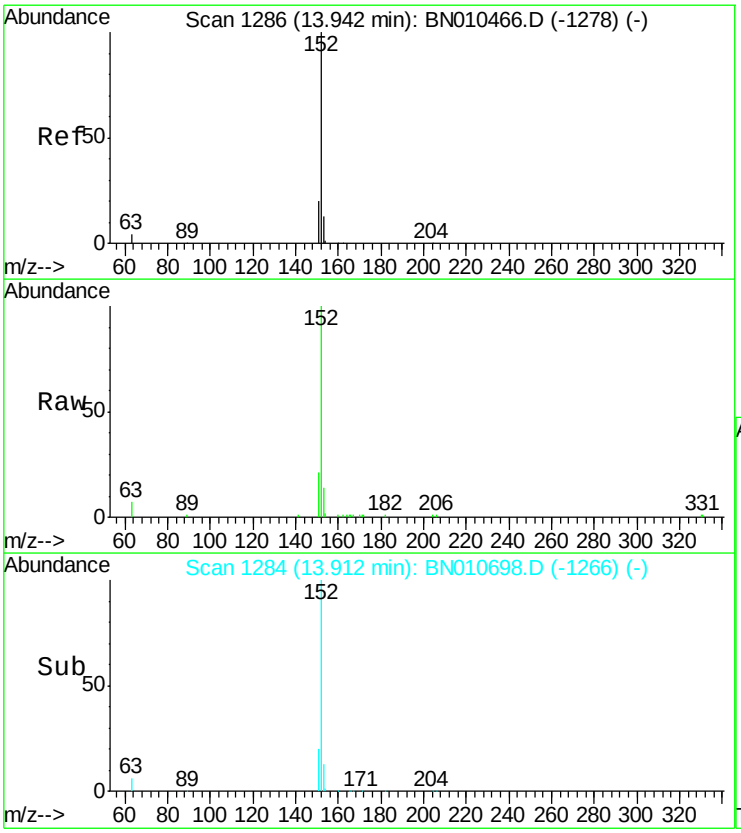
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 11708

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.2
170	24.5	18.4	27.6

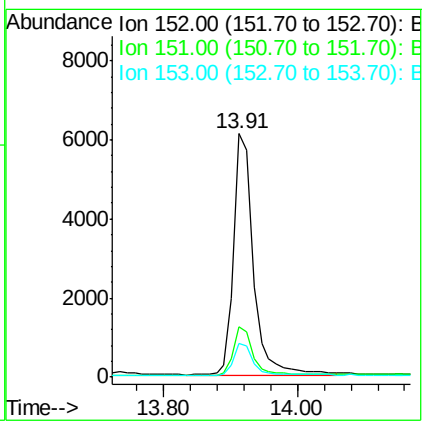


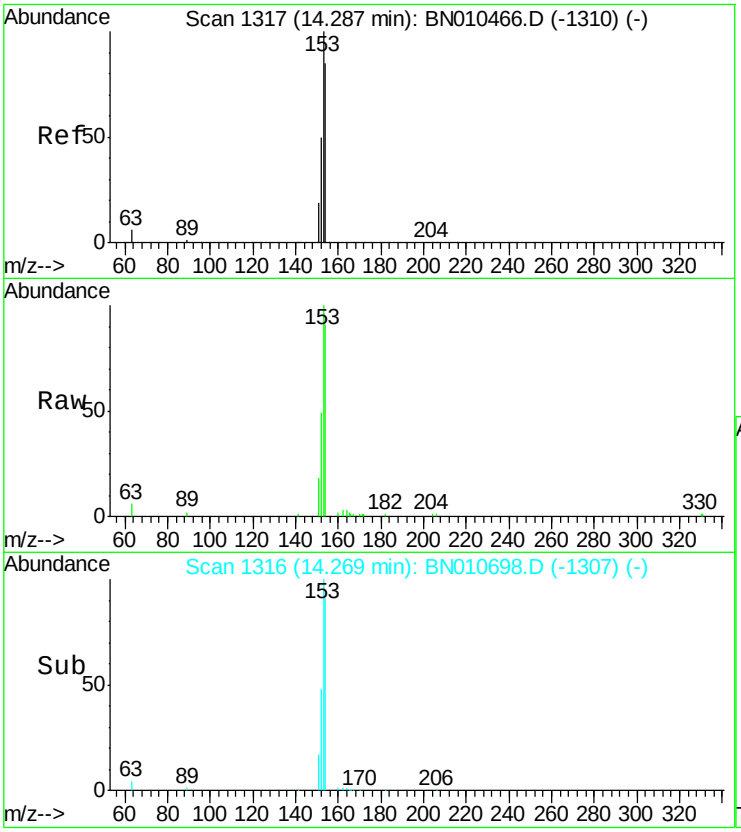


#16
Acenaphthylene
Concen: 0.36 ng
RT: 13.91 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:152 Resp: 12344

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.0	10.6	15.8



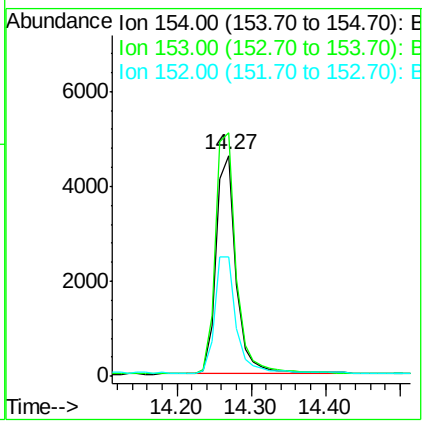


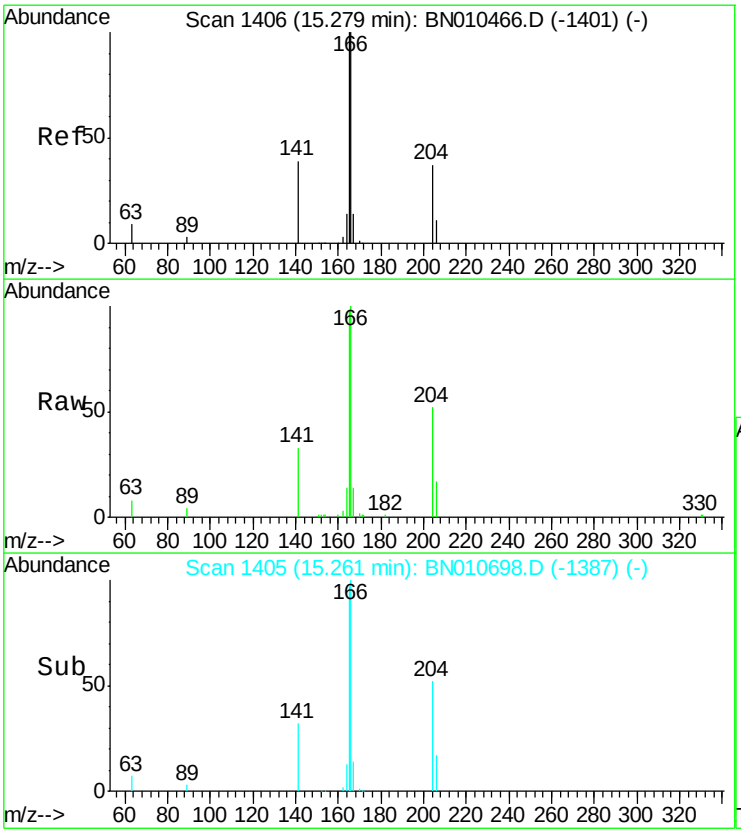
#17
Acenaphthene
Concen: 0.39 ng
RT: 14.27 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 8687

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.0	136.4
152	56.4	44.6	67.0

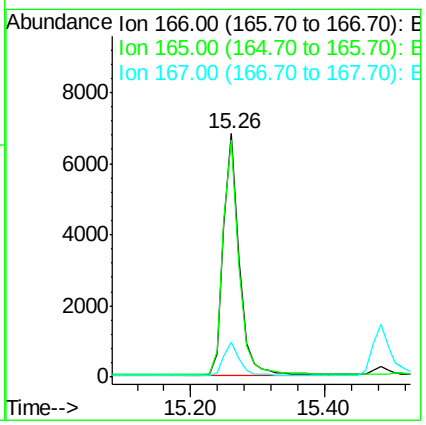


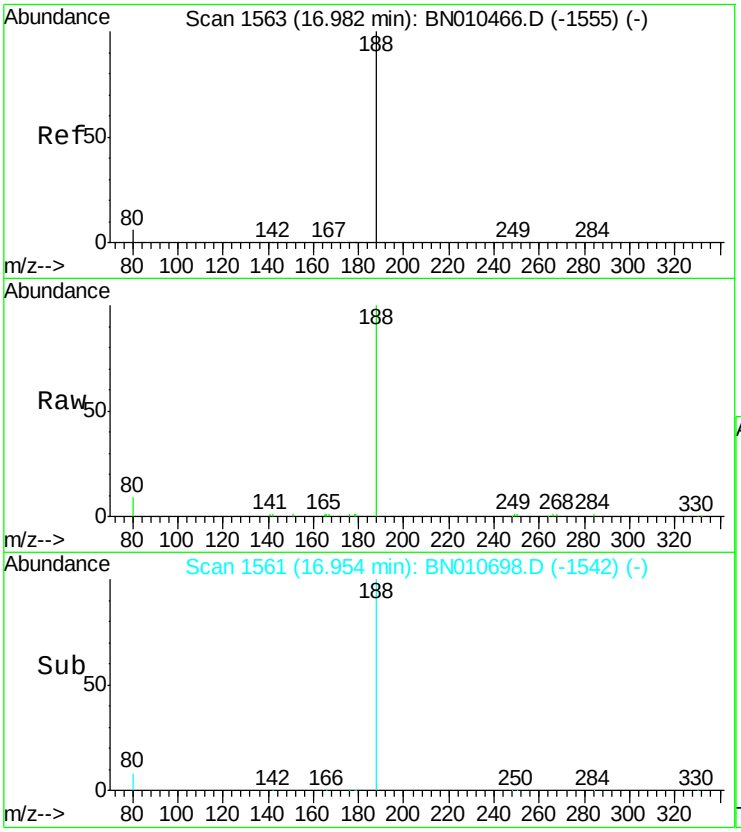


#18
Fluorene
Concen: 0.38 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:166 Resp: 11217

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.4	117.6
167	13.4	10.9	16.3



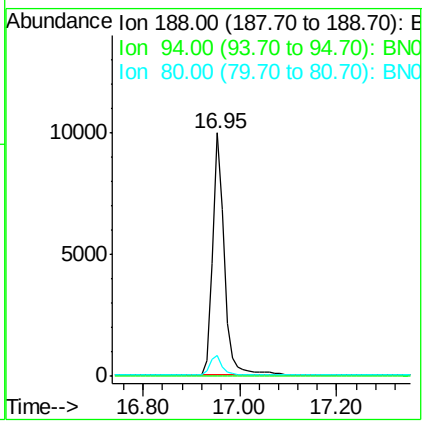


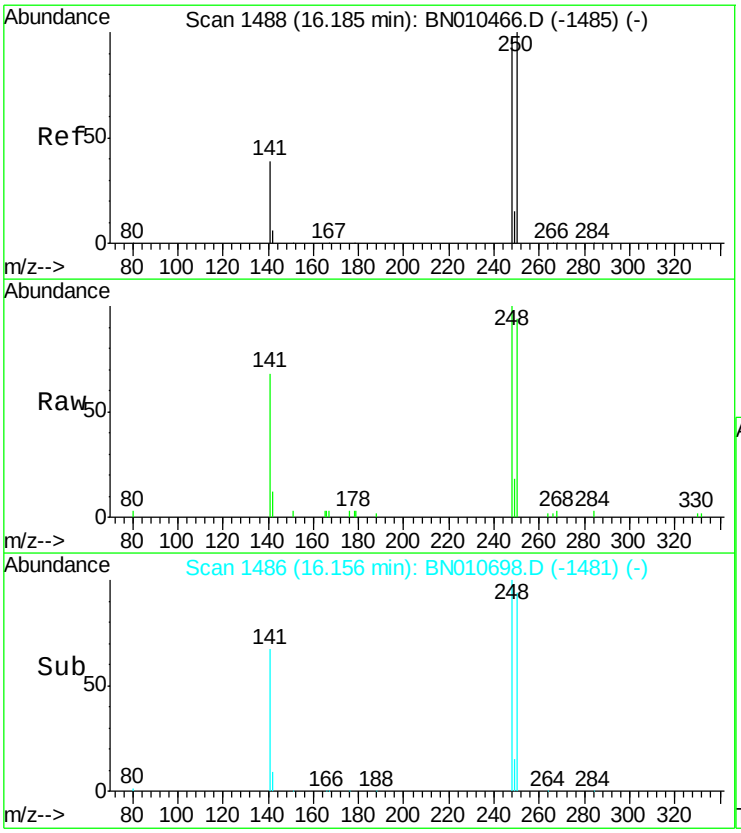
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 16883

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	5.0	7.6#

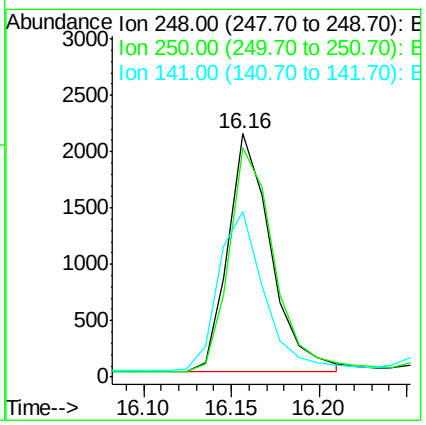


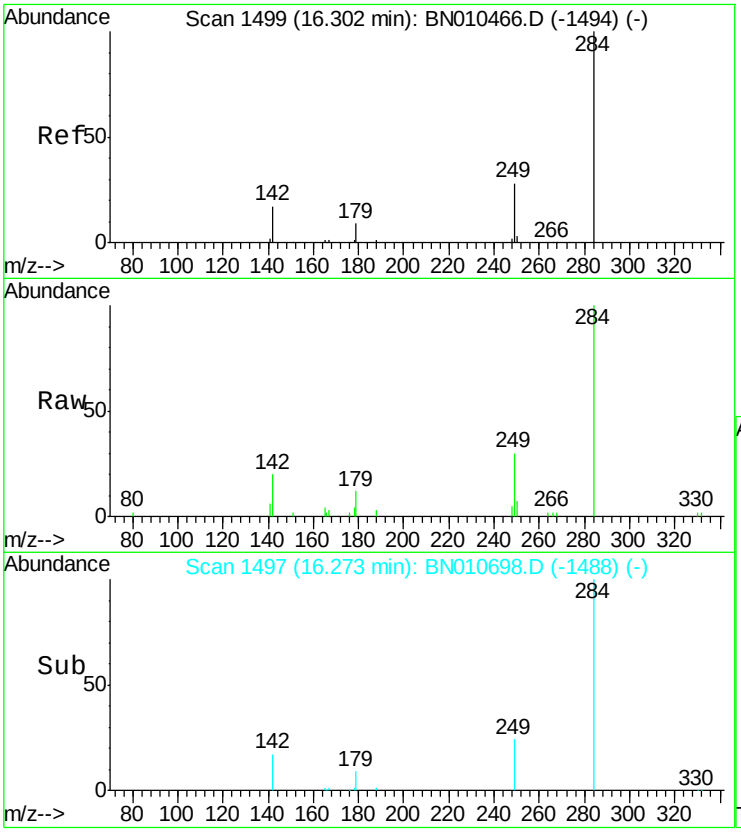


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:248 Resp: 3590

Ion	Ratio	Lower	Upper
248	100		
250	94.2	82.3	123.5
141	67.9	35.2	52.8#



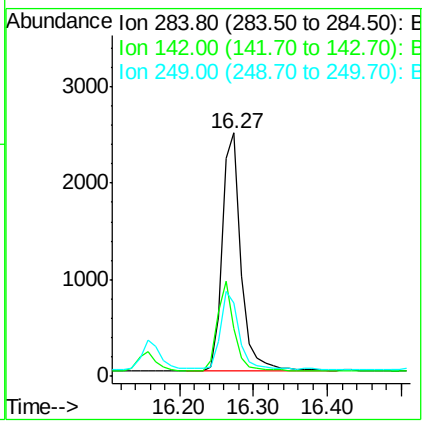


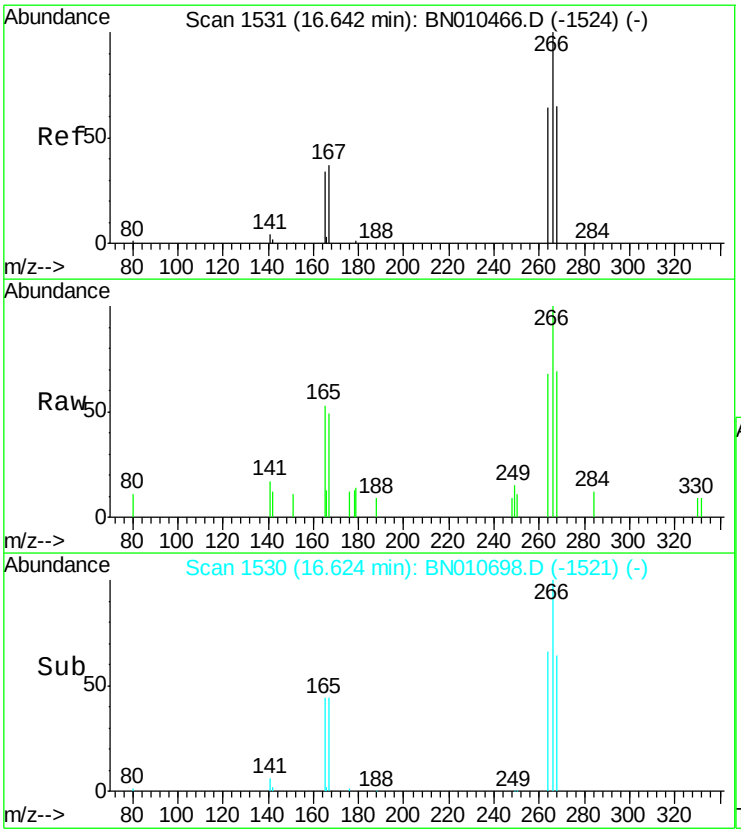
#21
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4405

Ion	Ratio	Lower	Upper
284	100		
142	34.2	25.5	38.3
249	31.7	25.8	38.6

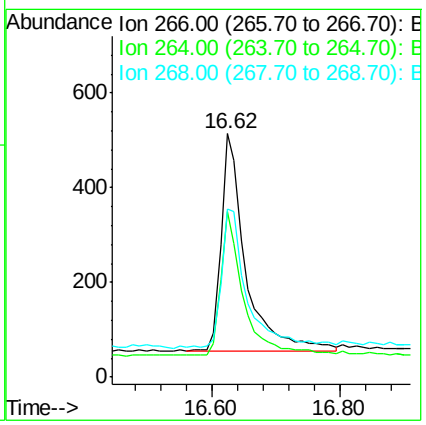


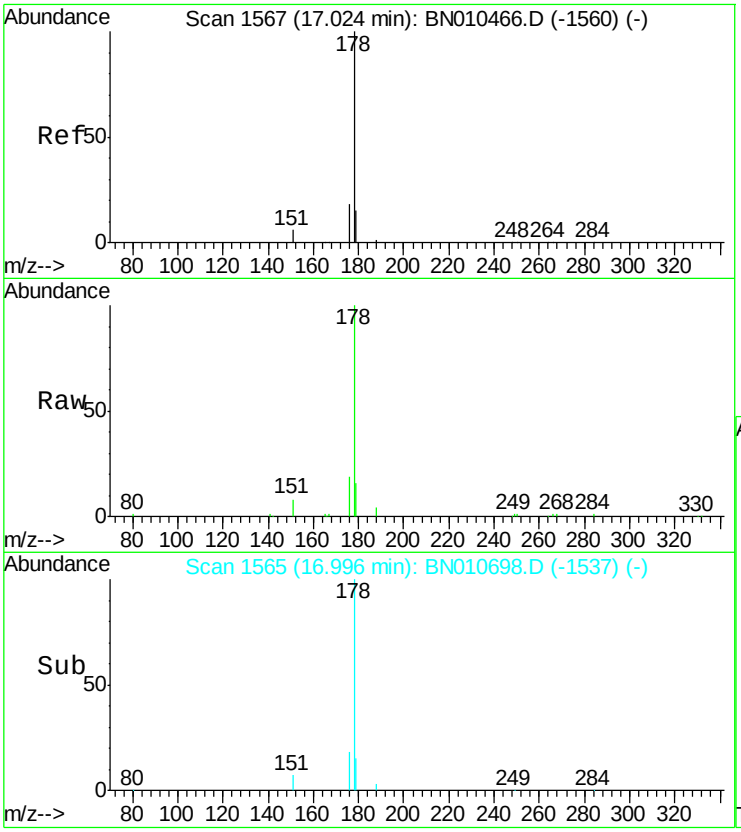


#22
Pentachlorophenol
Concen: 0.29 ng
RT: 16.62 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:266 Resp: 1219

Ion	Ratio	Lower	Upper
266	100		
264	67.9	51.8	77.6
268	69.3	53.7	80.5



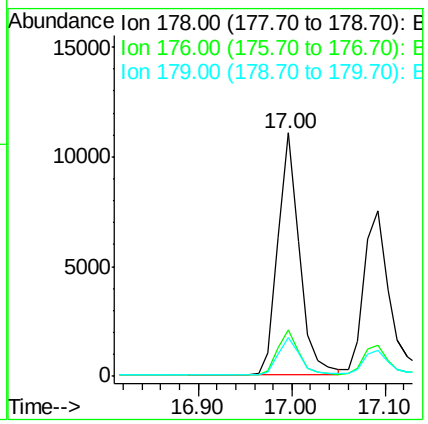


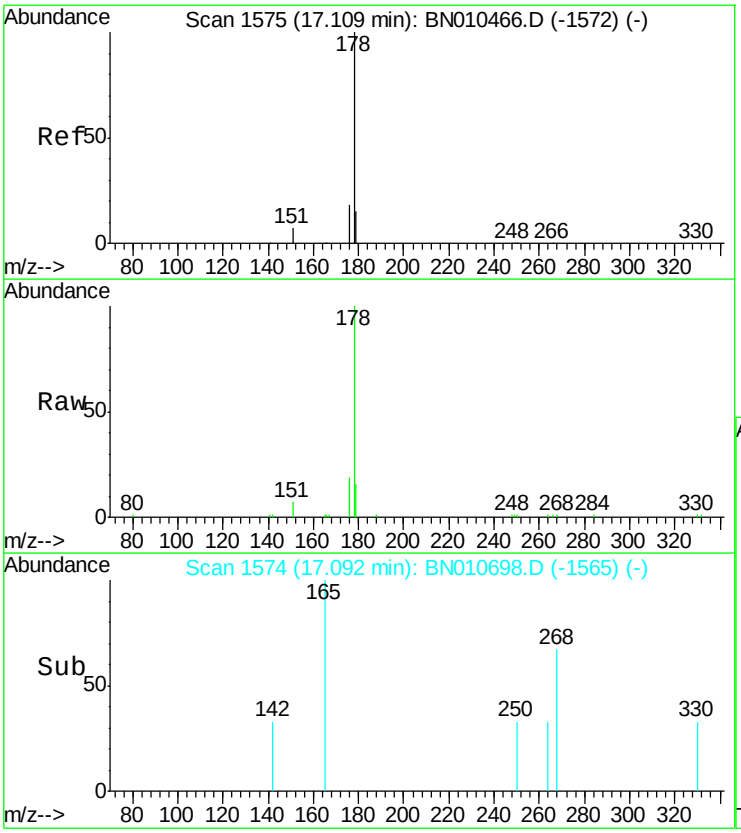
#23
Phenanthrene
Concen: 0.38 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 17482

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.7	12.6	18.8

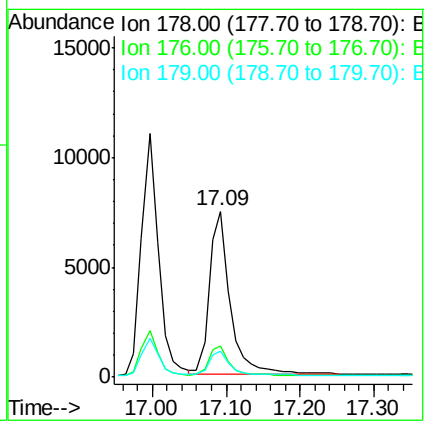


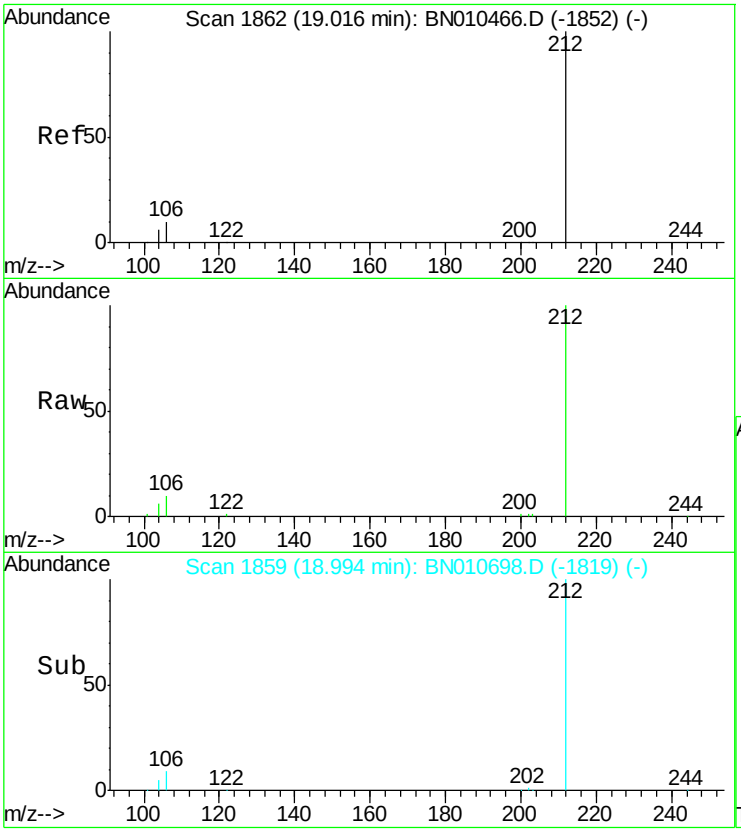


#24
Anthracene
Concen: 0.34 ng
RT: 17.09 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:178 Resp: 14287

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.1	12.2	18.2



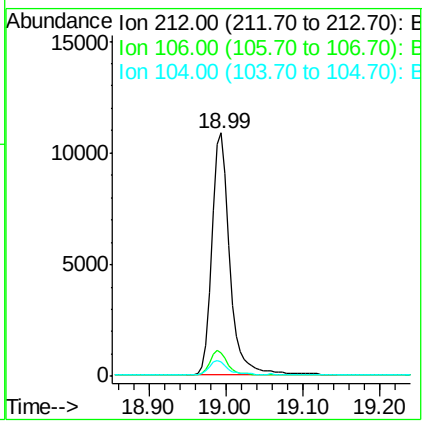


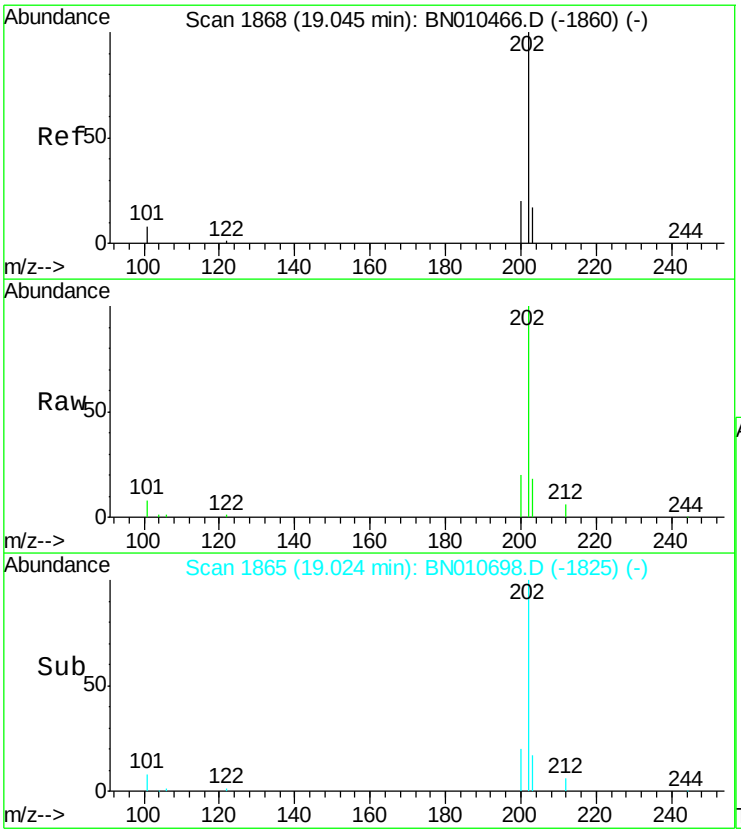
#25
Fluoranthene-d10
Concen: 0.34 ng
RT: 18.99 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 17570

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

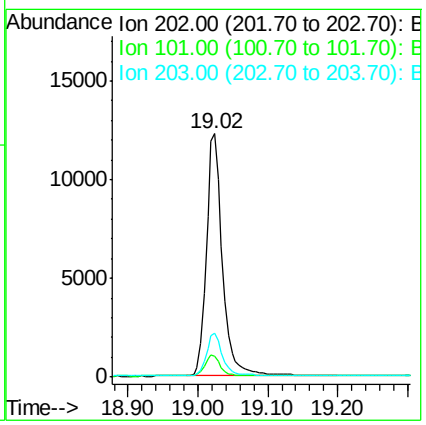


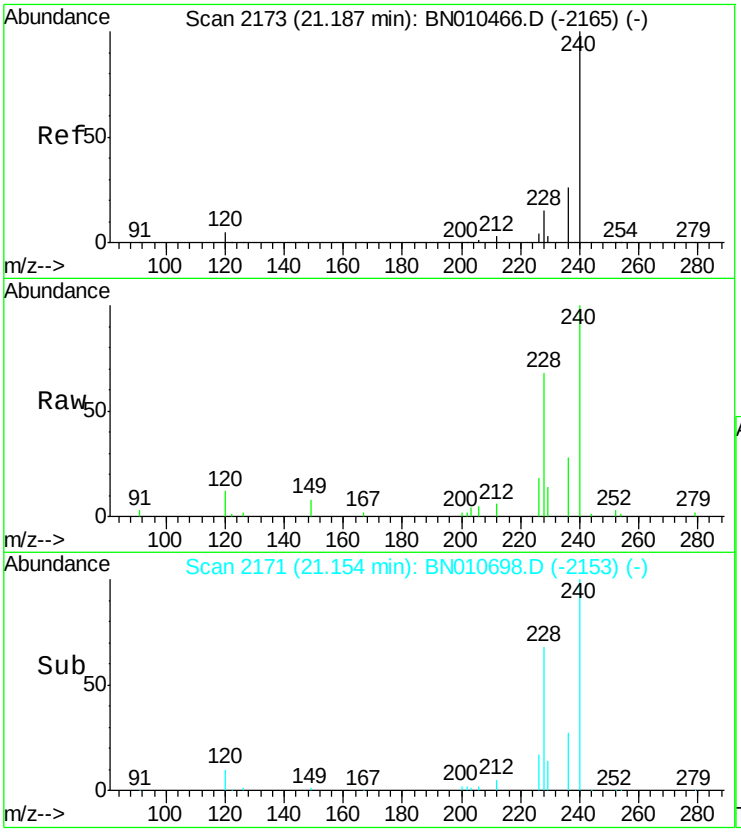


#26
Fluoranthene
Concen: 0.35 ng
RT: 19.02 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:202 Resp: 19750

Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.9	10.3
203	16.9	13.9	20.9



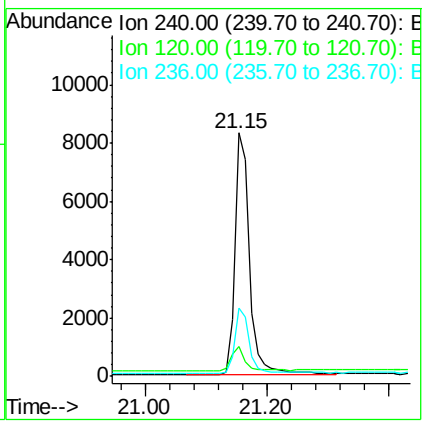


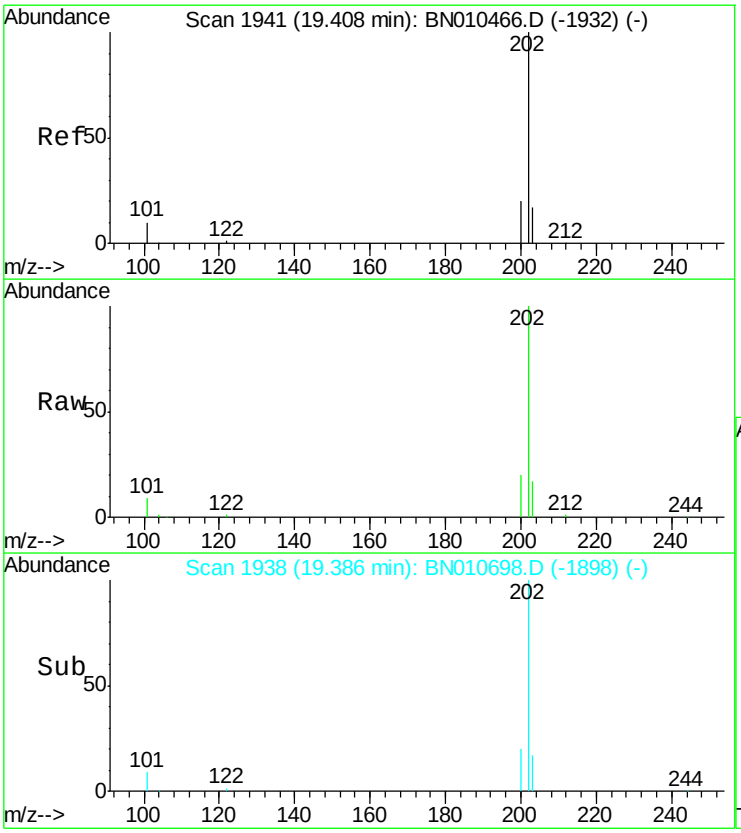
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 13920

Ion	Ratio	Lower	Upper
240	100		
120	12.4	4.8	7.2#
236	27.8	21.4	32.0

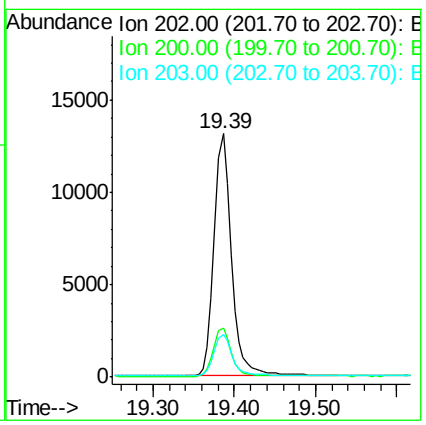


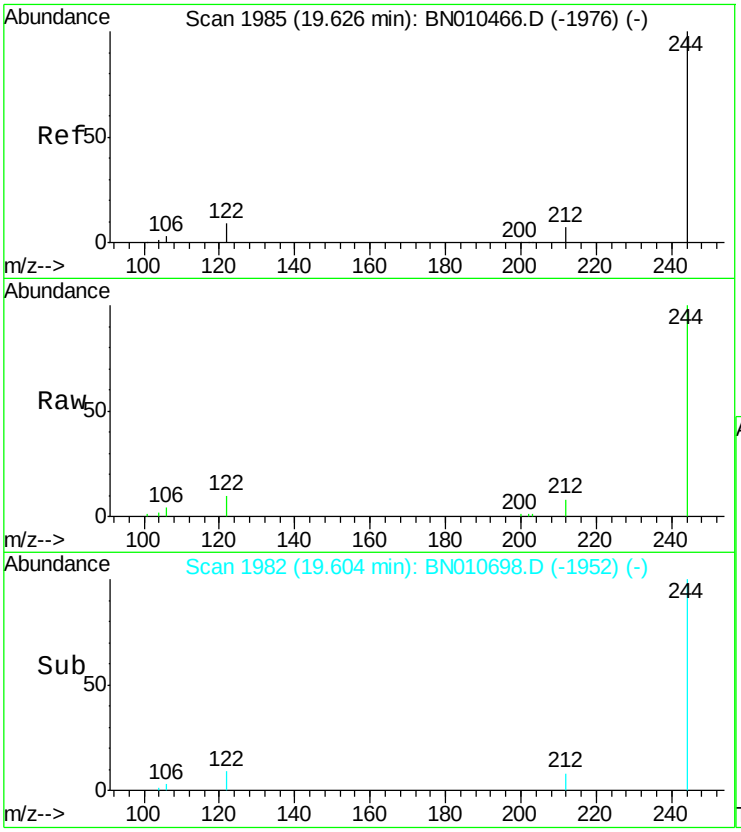


#28
Pyrene
Concen: 0.42 ng
RT: 19.39 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:202 Resp: 19645

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	17.5	14.0	21.0



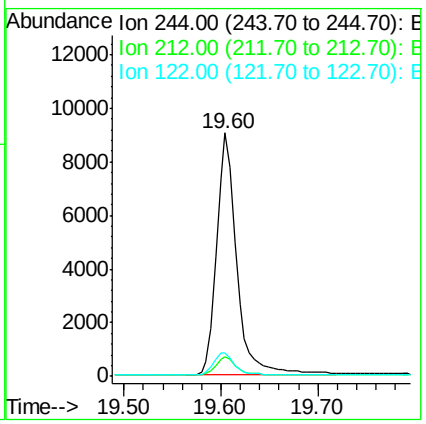


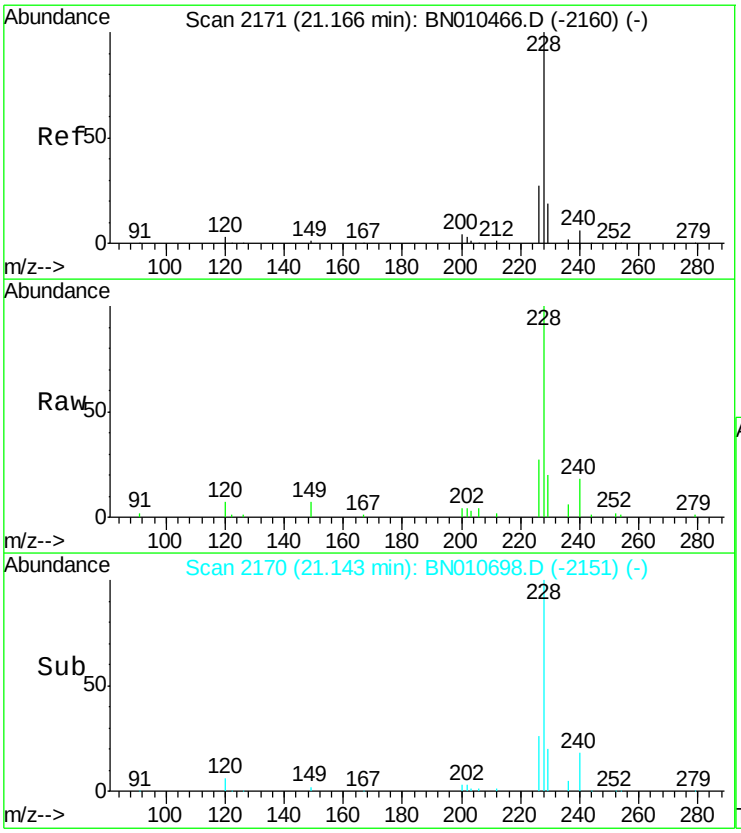
#29
Terphenyl-d14
Concen: 0.41 ng
RT: 19.60 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 13172

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.4
122	9.9	7.8	11.8

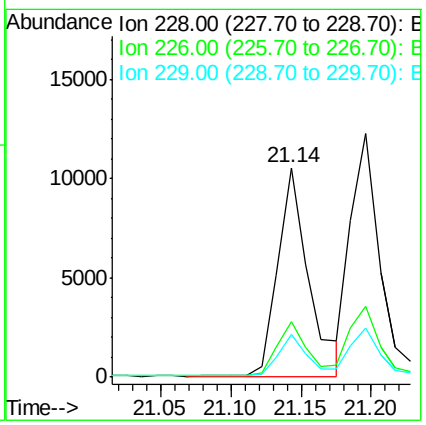


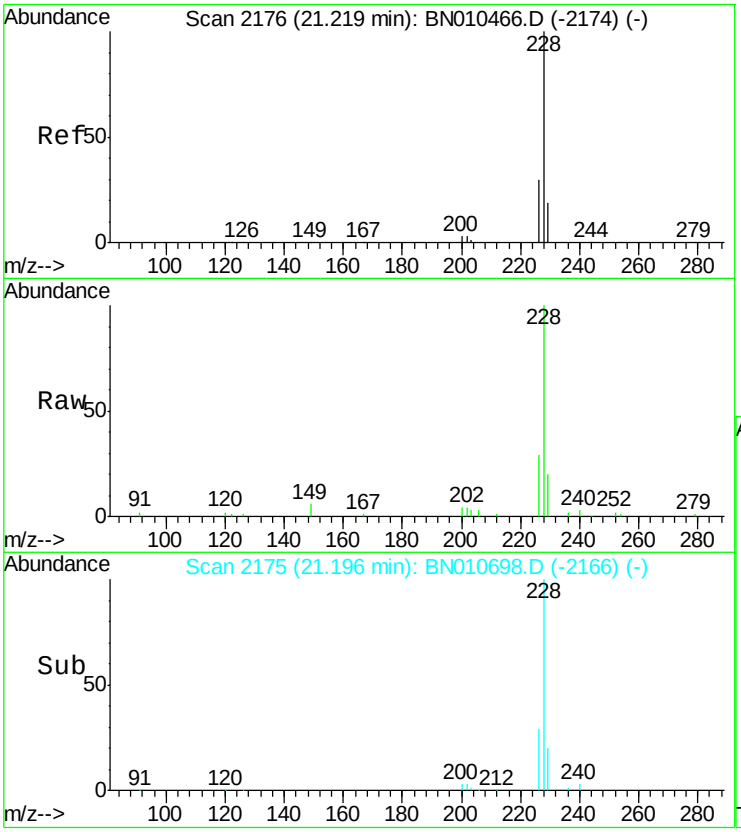


#30
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:228 Resp: 16146

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.7	32.5
229	20.1	15.6	23.4



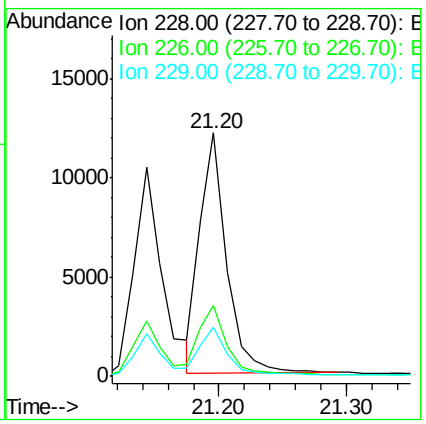


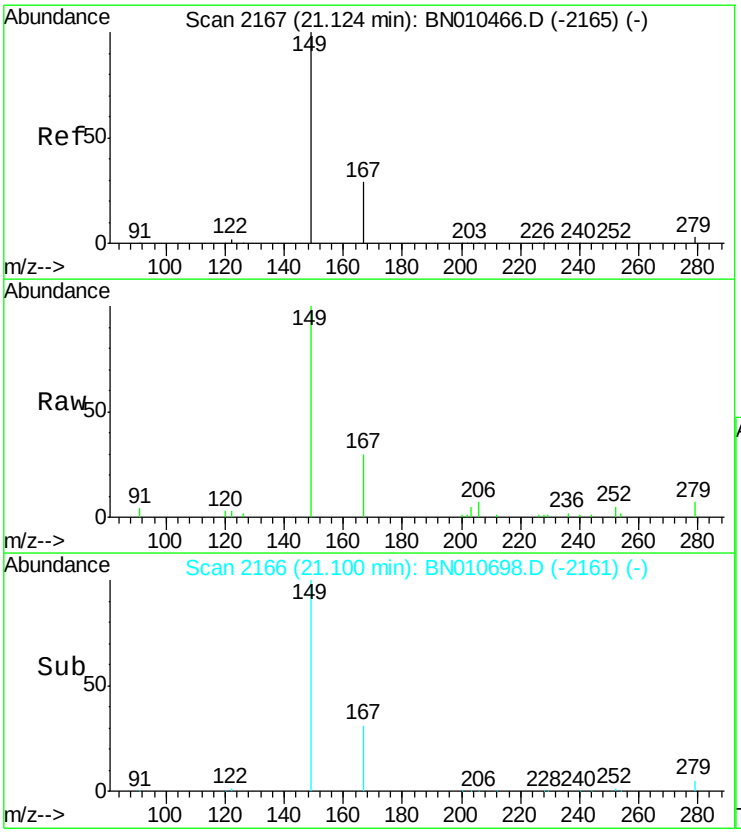
#31
Chrysene
Concen: 0.39 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 17707

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.0	36.0
229	20.2	15.8	23.6

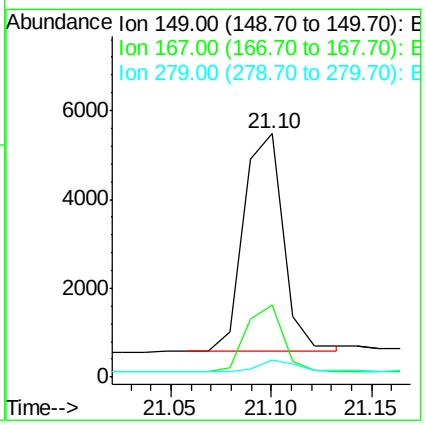


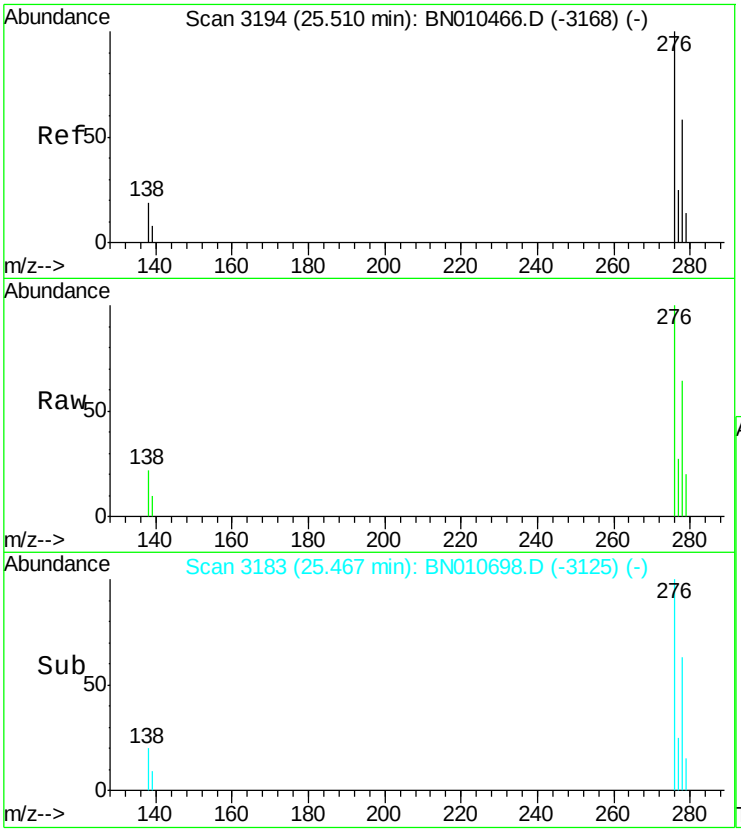


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.29 ng
RT: 21.10 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:149 Resp: 6848

Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.4	35.0
279	4.7	4.0	6.0



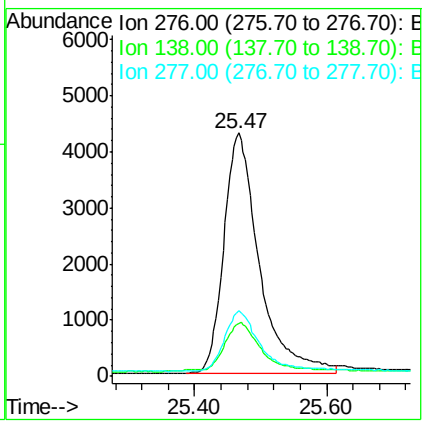


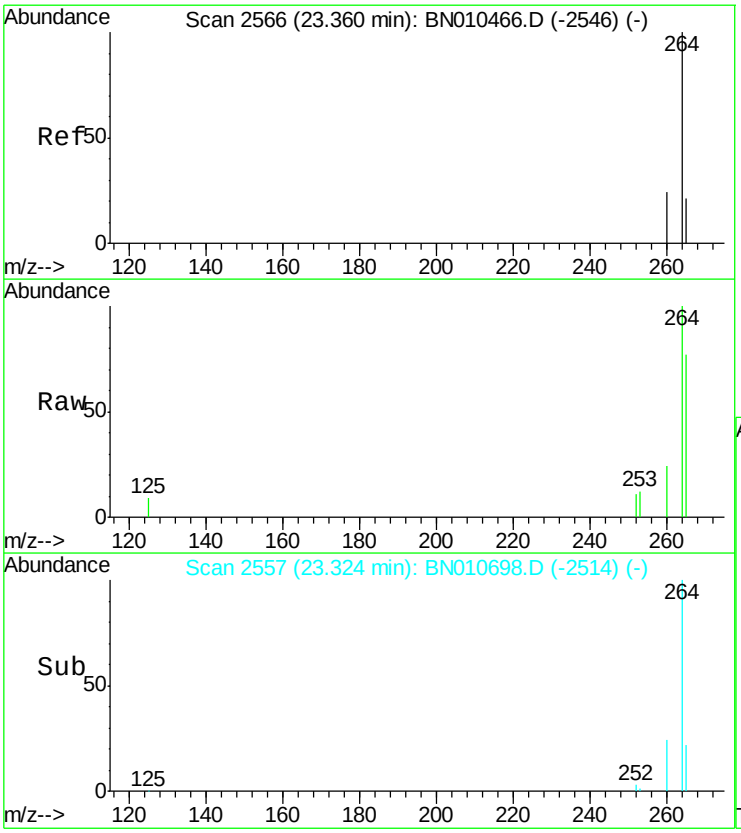
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng
RT: 25.47 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 15942

Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.4	24.6
277	24.5	19.8	29.6

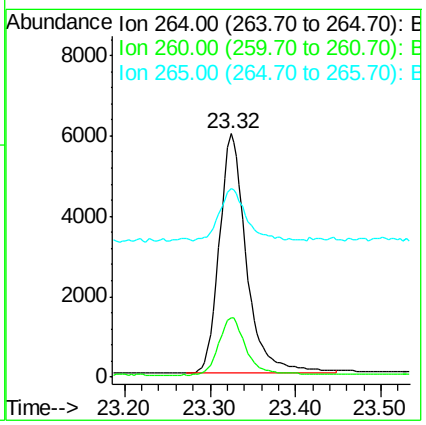


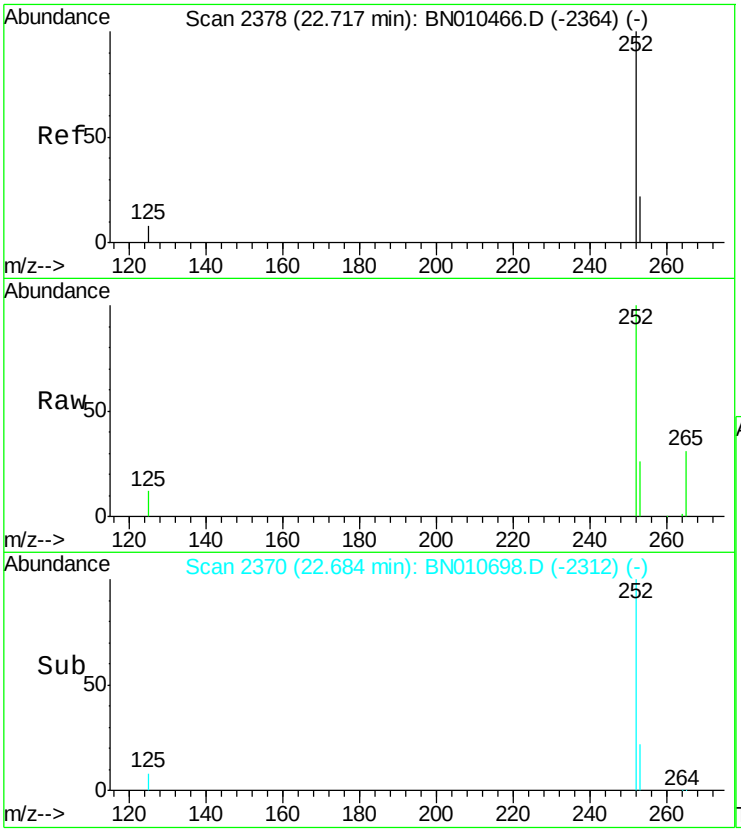


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.32 min Scan# 2557
Delta R.T. -0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:264 Resp: 13128

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	77.3	42.3	63.5#



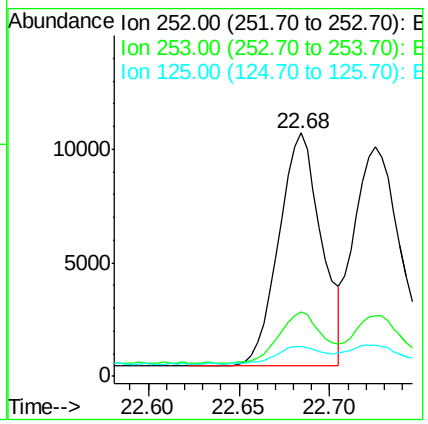


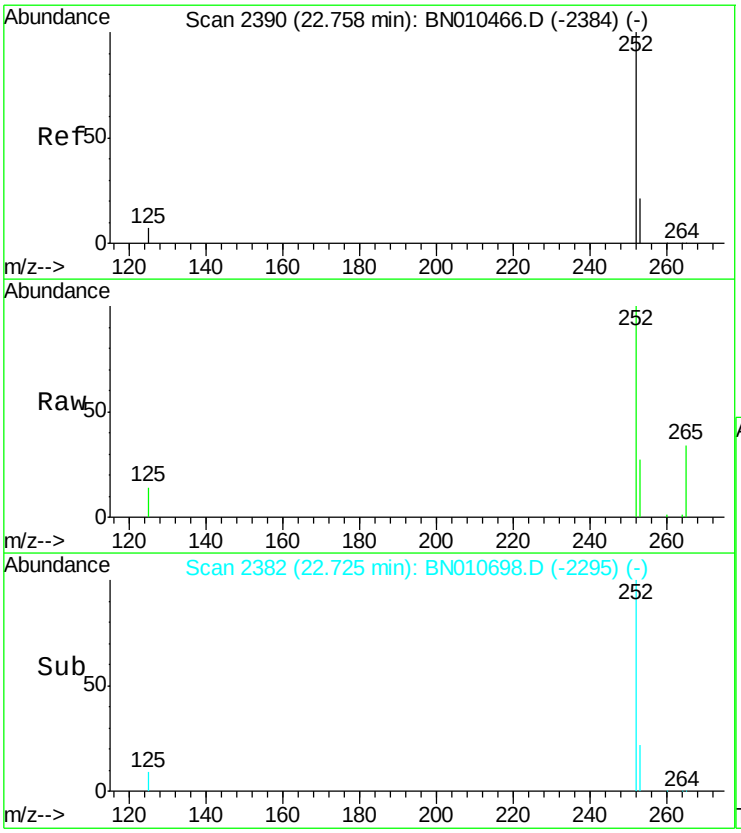
#35
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 22.68 min Scan# 2370
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 16738

Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.2	30.4
125	12.4	9.2	13.8

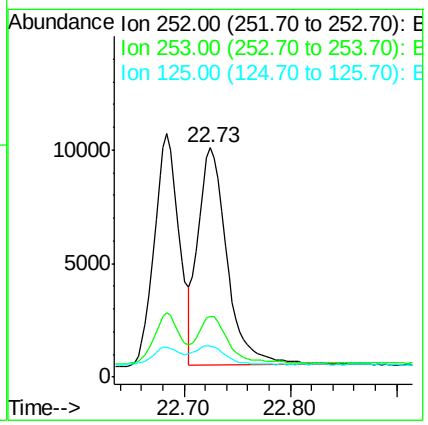


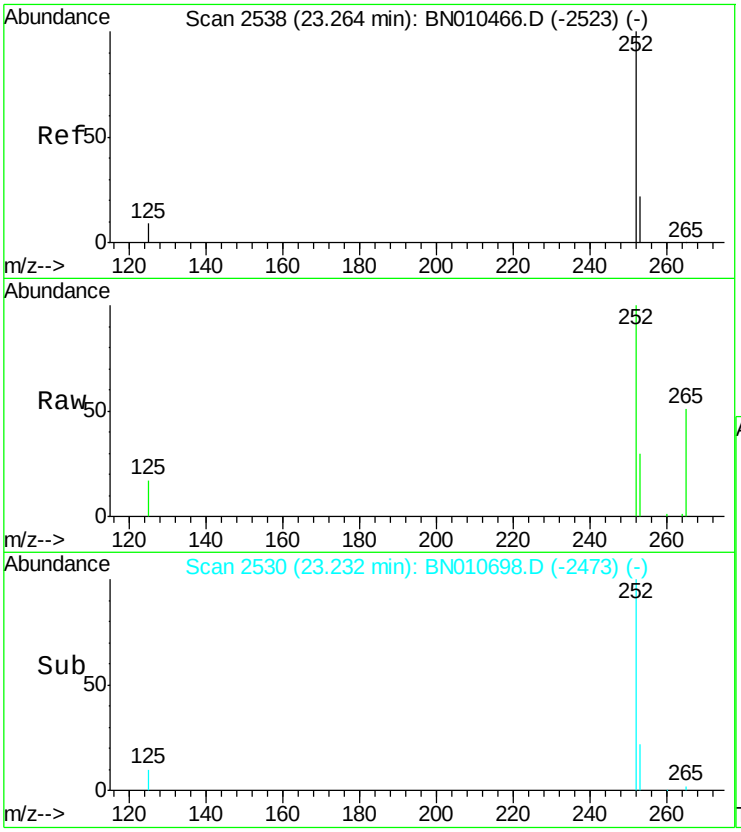


#36
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 22.73 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:252 Resp: 18239

Ion	Ratio	Lower	Upper
252	100		
253	26.7	20.1	30.1
125	13.7	9.6	14.4



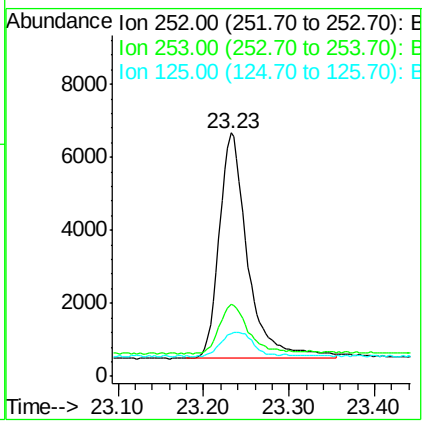


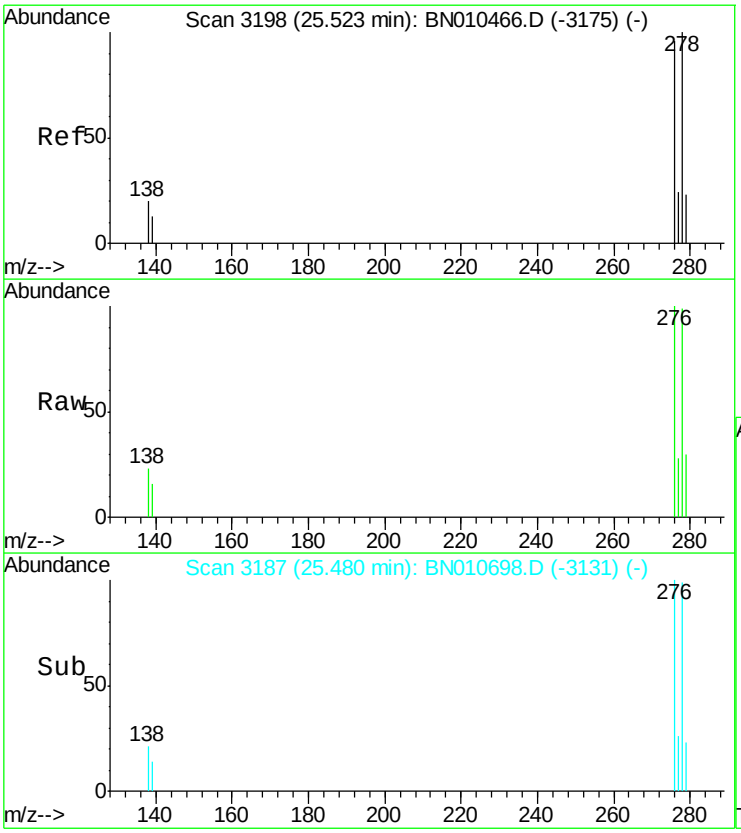
#37
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.23 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 14417

Ion	Ratio	Lower	Upper
252	100		
253	29.8	21.8	32.8
125	17.4	11.0	16.6#

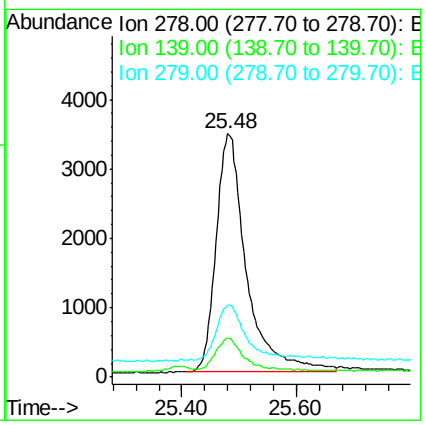


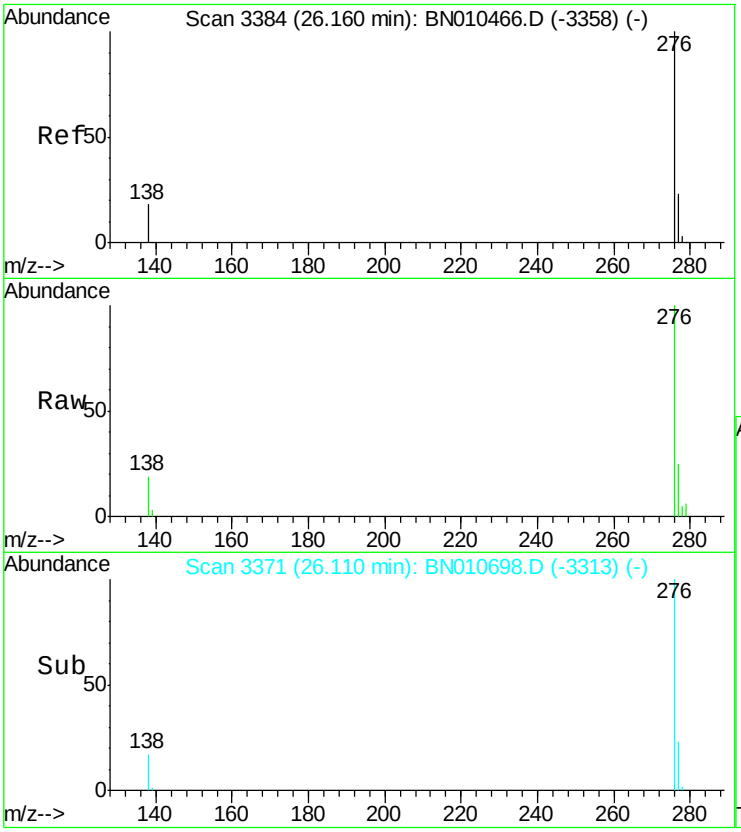


#38
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 25.48 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Tgt Ion:278 Resp: 12700

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.3	18.5
279	29.8	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.41 ng
RT: 26.11 min Scan# 3371
Delta R.T. 0.00 min
Lab File: BN010698.D
Acq: 12 May 2020 13:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 14263

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