Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051220\
Data File : BN010693.D
Acq On : 12 May 2020 10:09
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: May 12 11:00:33 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	2976	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	12337	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	7978	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	16975	0.40	ng		0.00
27) Chrysene-d12	21.16	240	13016	0.40	ng		0.00
34) Perylene-d12	23.33	264	11874	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2412	0.37	ng		0.00
5) Phenol-d6	6.78	99	2919	0.34	ng		0.00
8) Nitrobenzene-d5	8.72	82	3314	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	8196	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	1020	0.27	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	11483	0.40	ng		0.00
25) Fluoranthene-d10	18.99	212	17647	0.34	ng		0.00
29) Terphenyl-d14	19.60	244	12657	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	913	0.42	ng		99
3) n-Nitrosodimethylamine	3.58	42	533	0.38	ng	#	89
6) bis(2-Chloroethyl)ether	7.02	93	3084	0.42	ng		98
9) Naphthalene	10.38	128	12343	0.40	ng		99
10) Hexachlorobutadiene	10.68	225	2728	0.37	ng	#	97
12) 2-Methylnaphthalene	12.01	142	8899	0.40	ng		99
16) Acenaphthylene	13.91	152	12007	0.35	ng		100
17) Acenaphthene	14.27	154	8479	0.38	ng		98
18) Fluorene	15.26	166	11112	0.38	ng		99
20) 4-Bromophenyl-phenylether	16.16	248	3575	0.38	ng	#	83
21) Hexachlorobenzene	16.27	284	4385	0.41	ng		97
22) Pentachlorophenol	16.62	266	1499	0.35	ng		99
23) Phenanthrene	17.00	178	17474	0.38	ng		99
24) Anthracene	17.09	178	14168	0.34	ng		100
26) Fluoranthene	19.02	202	19713	0.35	ng		99
28) Pyrene	19.39	202	19737	0.45	ng		100
30) Benzo(a)anthracene	21.14	228	14391	0.34	ng		99
31) Chrysene	21.20	228	16664	0.39	ng		99
32) Bis(2-ethylhexyl)phthalate	21.10	149	6638	0.30	ng		97
33) Indeno(1,2,3-cd)pyrene	25.47	276	12658	0.34	ng		97
35) Benzo(b)fluoranthene	22.68	252	15228	0.39	ng		96
36) Benzo(k)fluoranthene	22.73	252	16217	0.41	ng		96
37) Benzo(a)pyrene	23.23	252	12784	0.37	ng	#	91
38) Dibenzo(a,h)anthracene	25.49	278	8980	0.28	ng	#	91
39) Benzo(g,h,i)perylene	26.11	276	12407	0.39	ng		97

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

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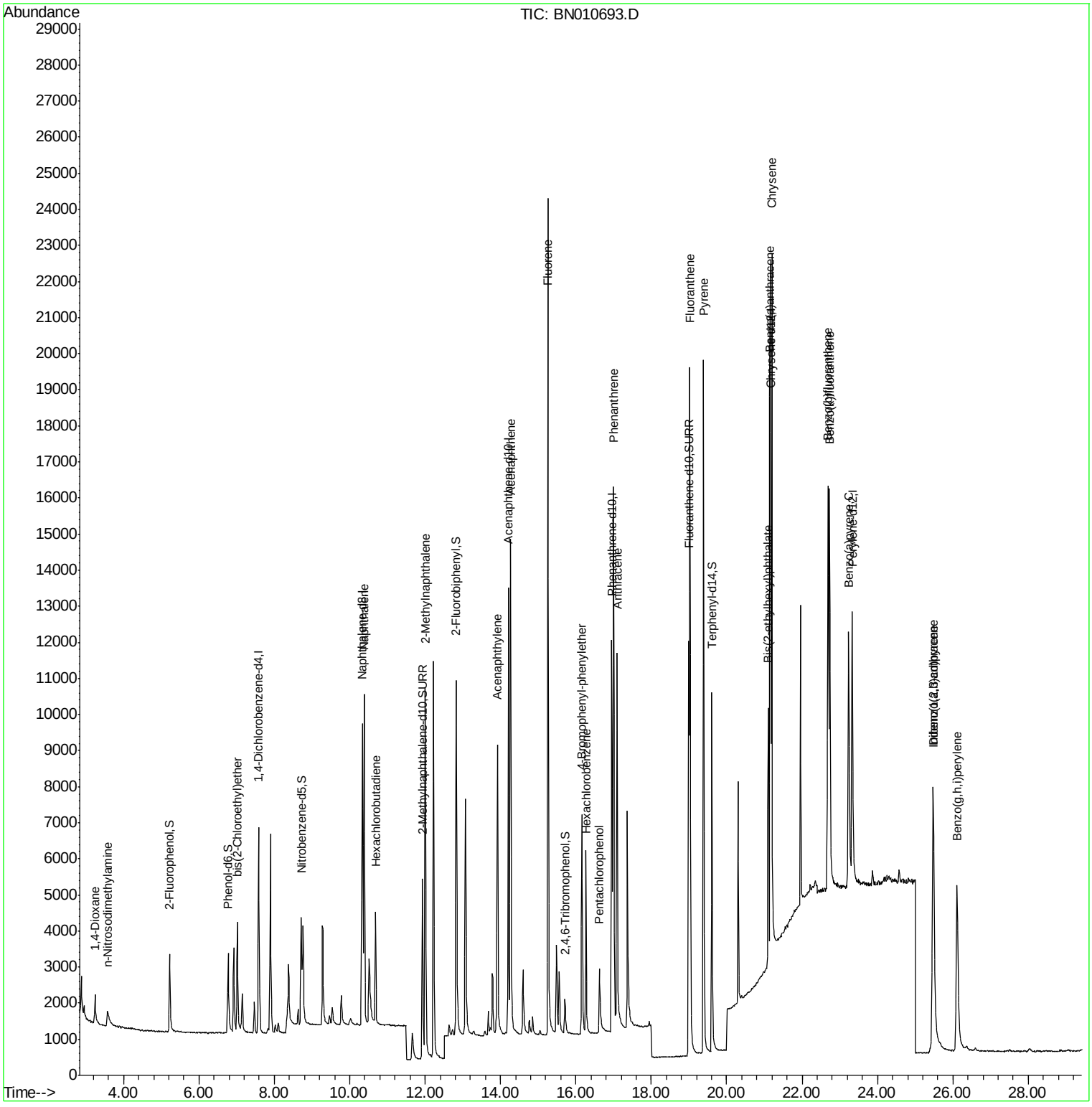
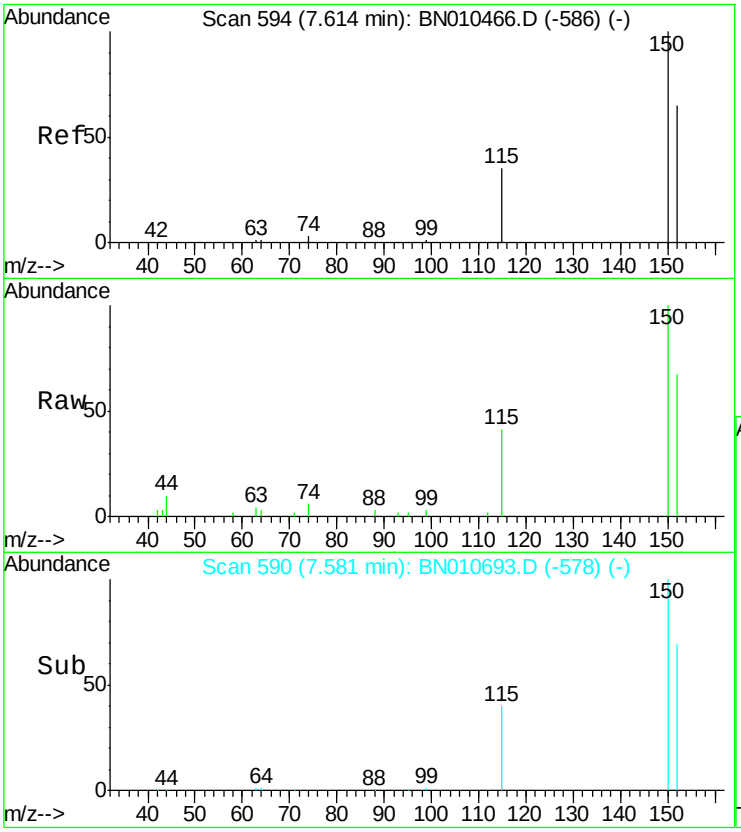
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 12 11:00:33 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



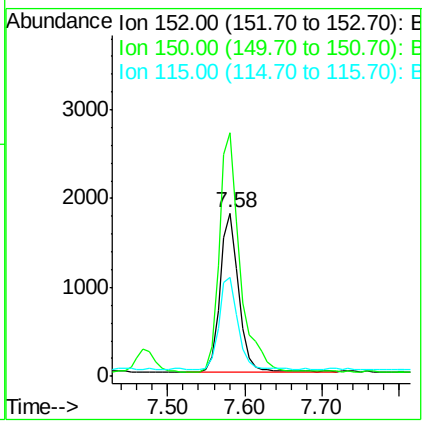


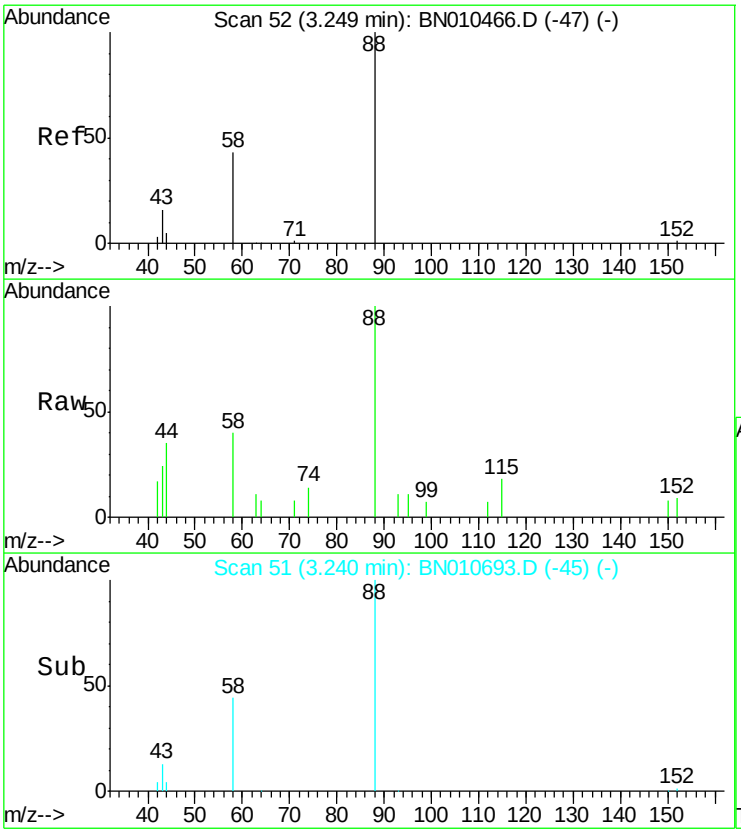
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.58 min Scan# 590
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2976

Ion	Ratio	Lower	Upper
152	100		
150	149.2	121.8	182.6
115	60.5	45.5	68.3

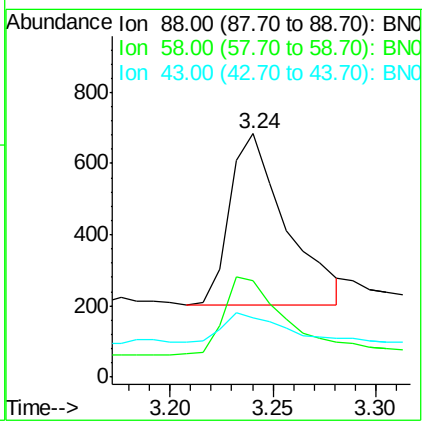


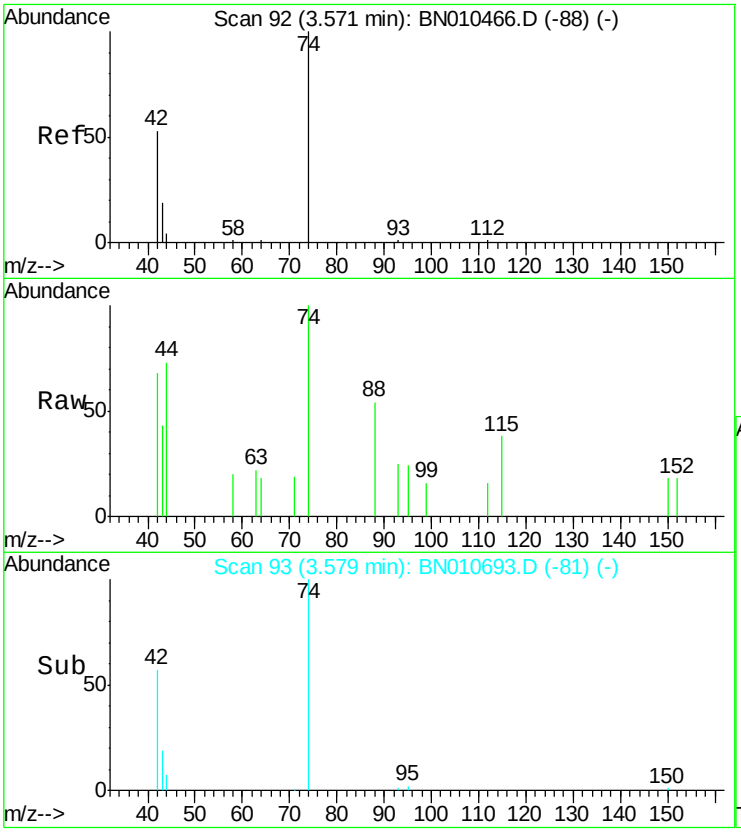


#2
1,4-Dioxane
Concen: 0.42 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion: 88 Resp: 913

Ion	Ratio	Lower	Upper
88	100		
58	45.5	36.5	54.7
43	17.1	13.2	19.8



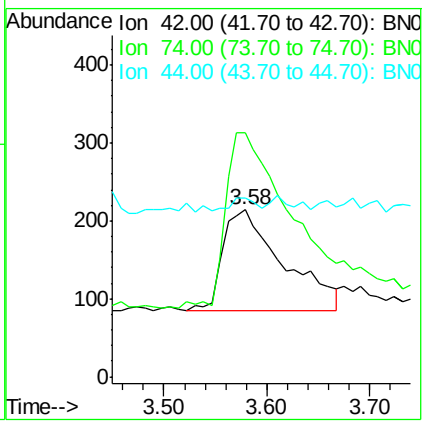


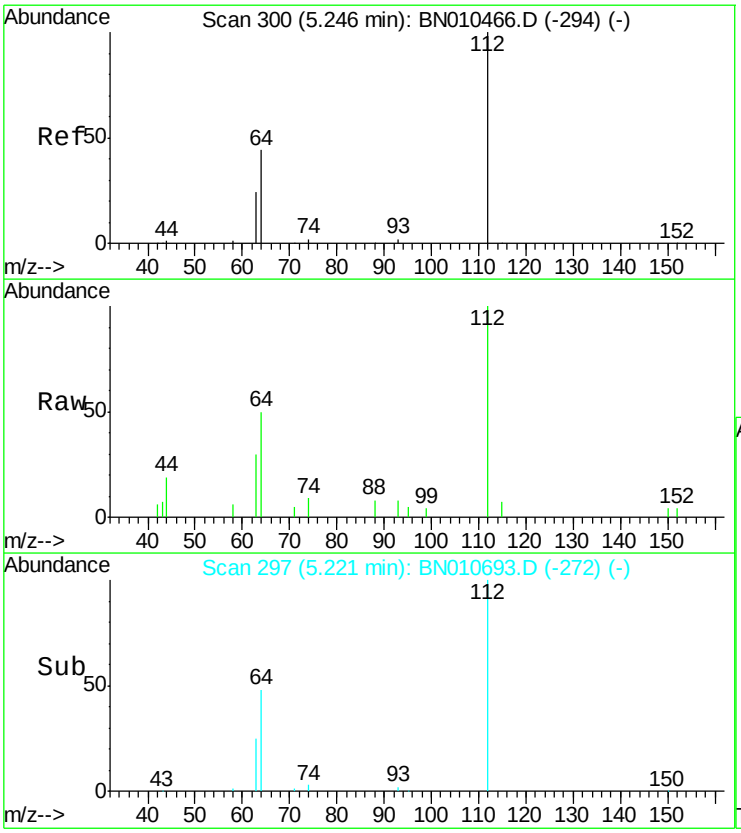
#3
n-Nitrosodimethylamine
Concen: 0.38 ng
RT: 3.58 min Scan# 93
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 533

Ion	Ratio	Lower	Upper
42	100		
74	185.9	162.2	243.4
44	5.1	2.4	3.6#

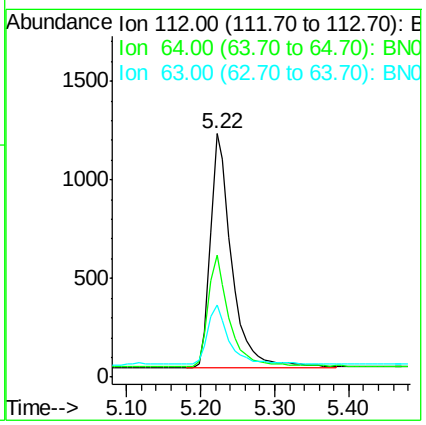


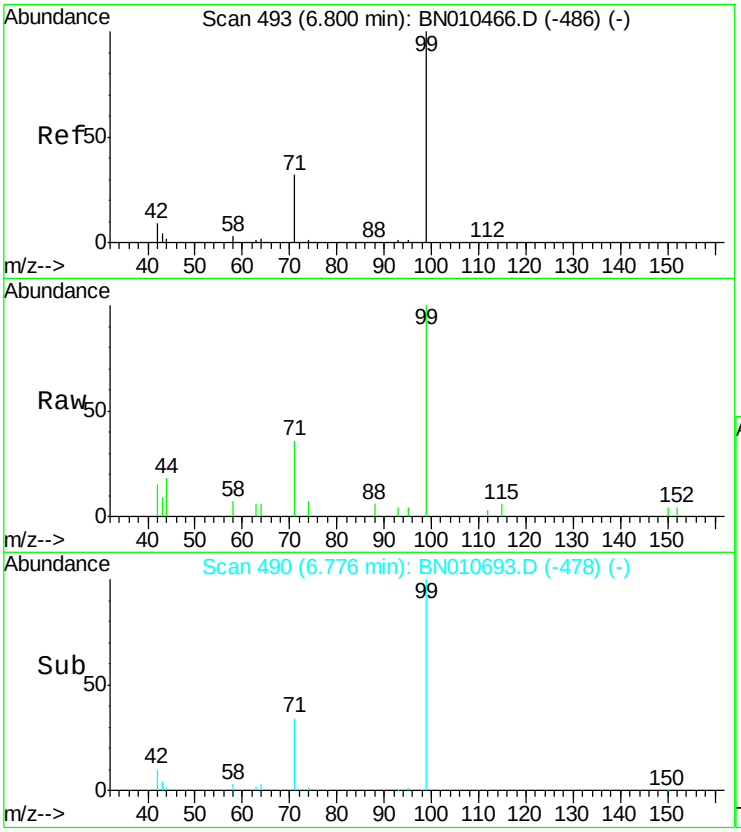


#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:112 Resp: 2412

Ion	Ratio	Lower	Upper
112	100		
64	45.4	35.8	53.8
63	25.3	19.9	29.9



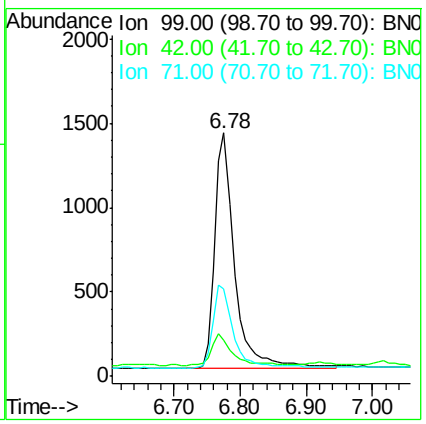


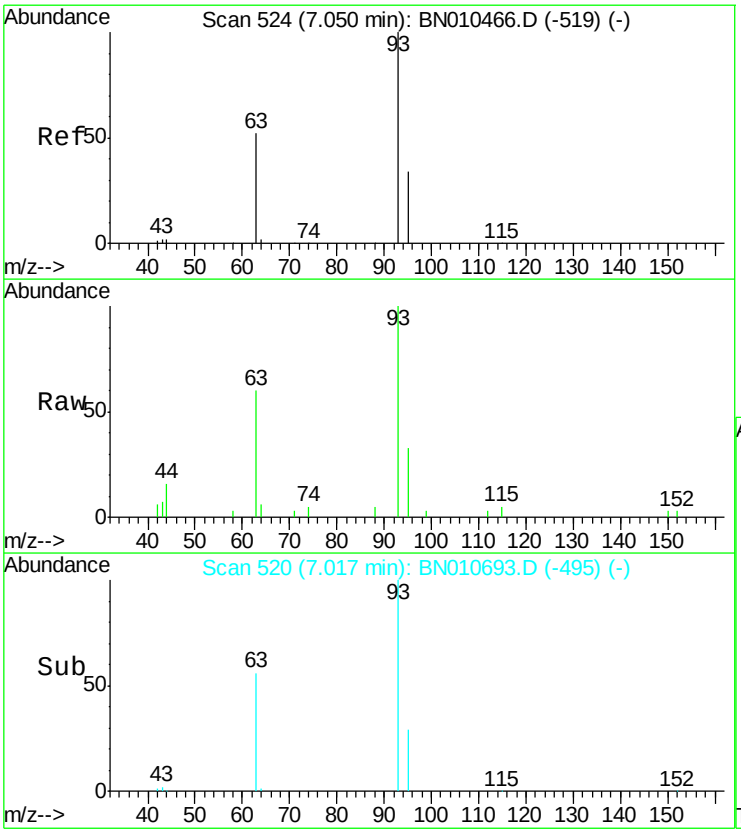
#5
Phenol-d6
Concen: 0.34 ng
RT: 6.78 min Scan# 490
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2919

Ion	Ratio	Lower	Upper
99	100		
42	13.0	9.8	14.6
71	36.3	27.8	41.8

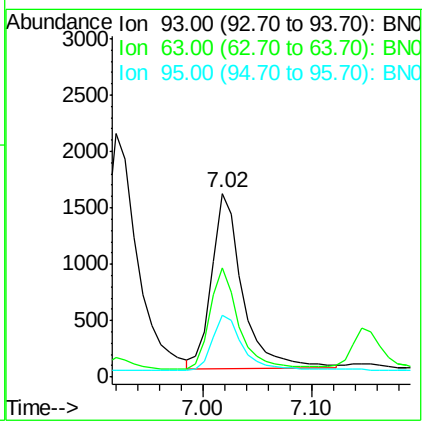


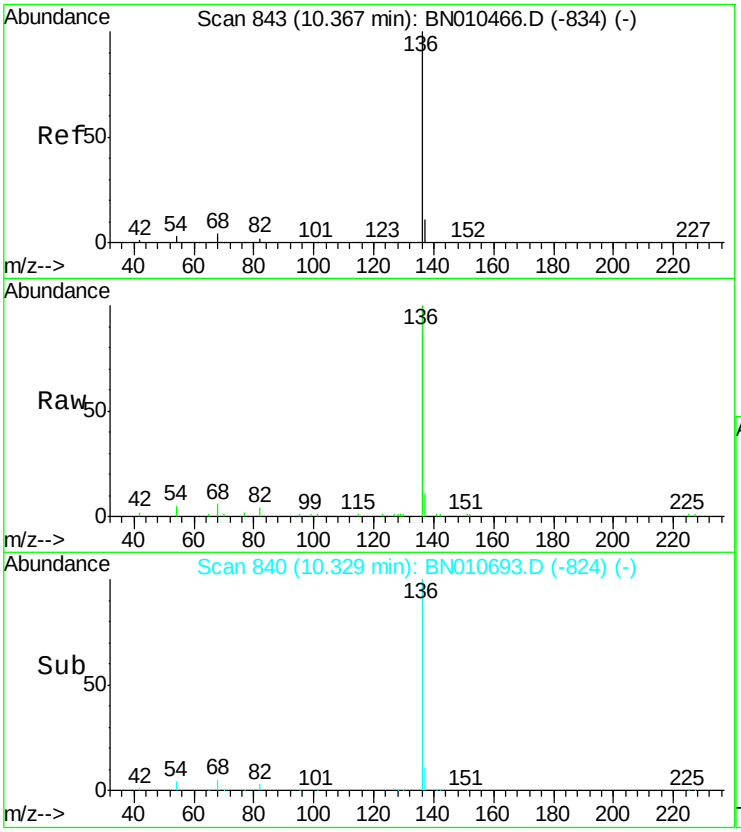


#6
bis(2-Chloroethyl)ether
Concen: 0.42 ng
RT: 7.02 min Scan# 520
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion: 93 Resp: 3084

Ion	Ratio	Lower	Upper
93	100		
63	54.1	44.6	66.8
95	31.7	26.5	39.7



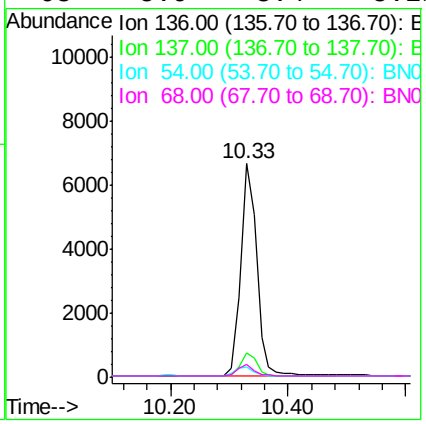


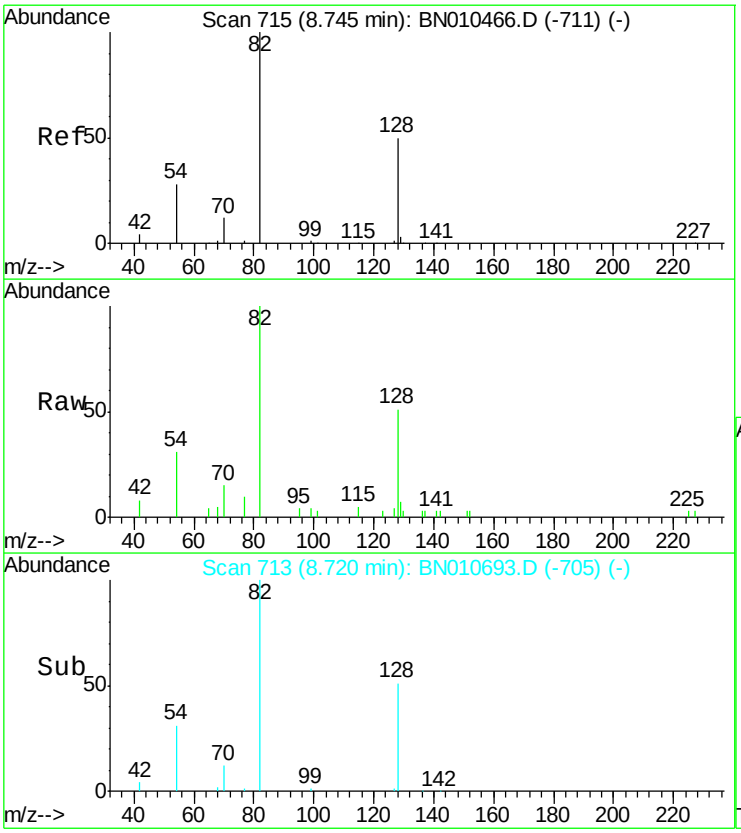
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 12337

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	4.7	2.6	4.0#
68	5.9	3.4	5.2#

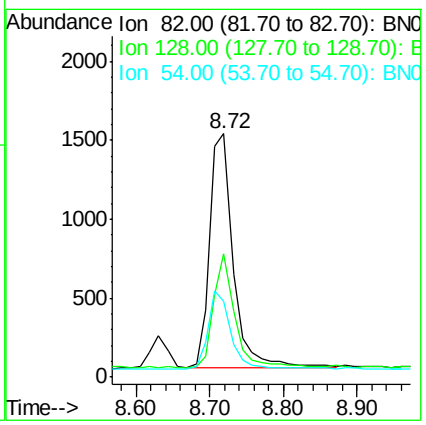


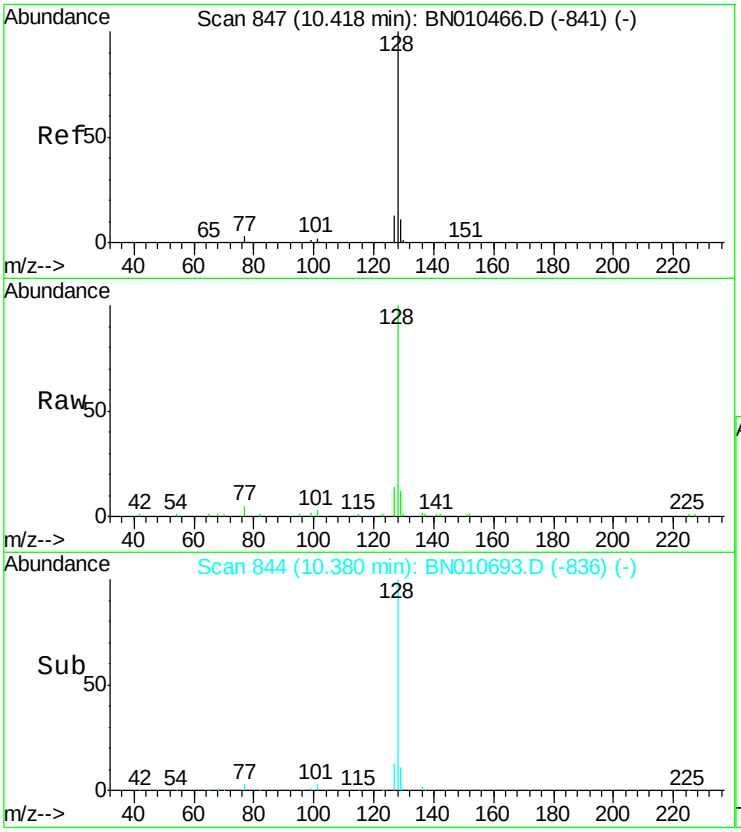


#8
Nitrobenzene-d5
Concen: 0.38 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion: 82 Resp: 3314

Ion	Ratio	Lower	Upper
82	100		
128	50.6	41.3	61.9
54	31.1	23.4	35.0



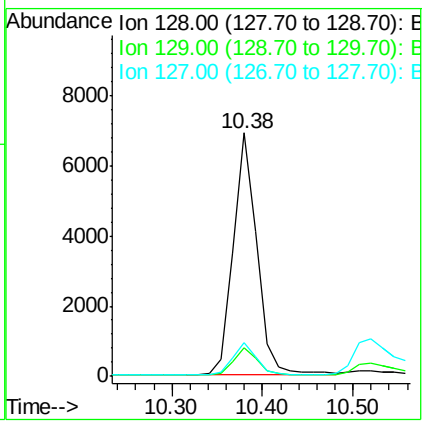


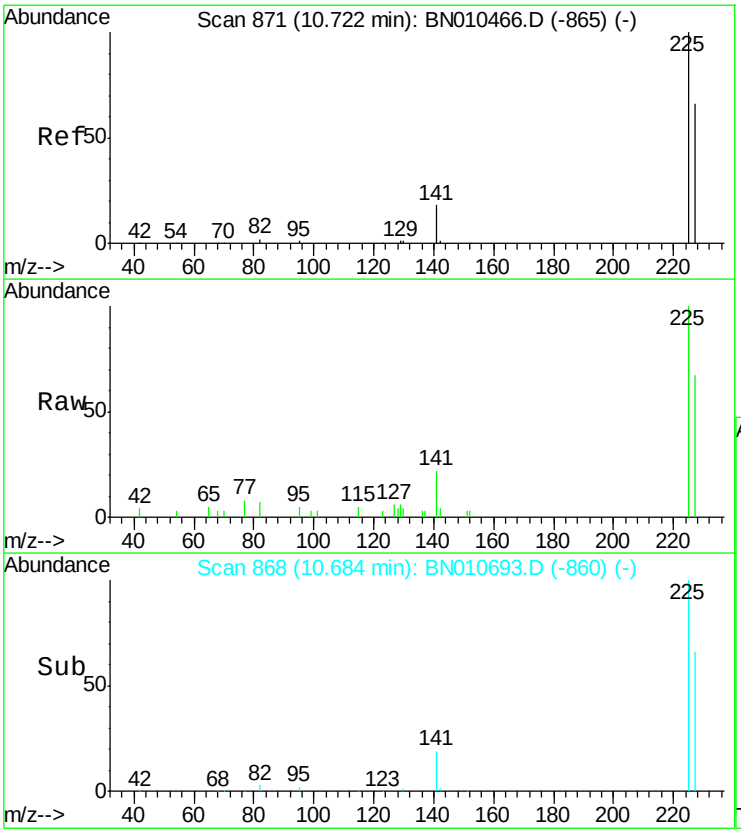
#9
Naphthalene
Concen: 0.40 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 12343

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.7	10.5	15.7

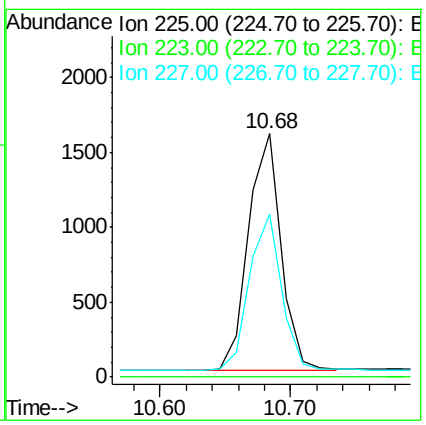


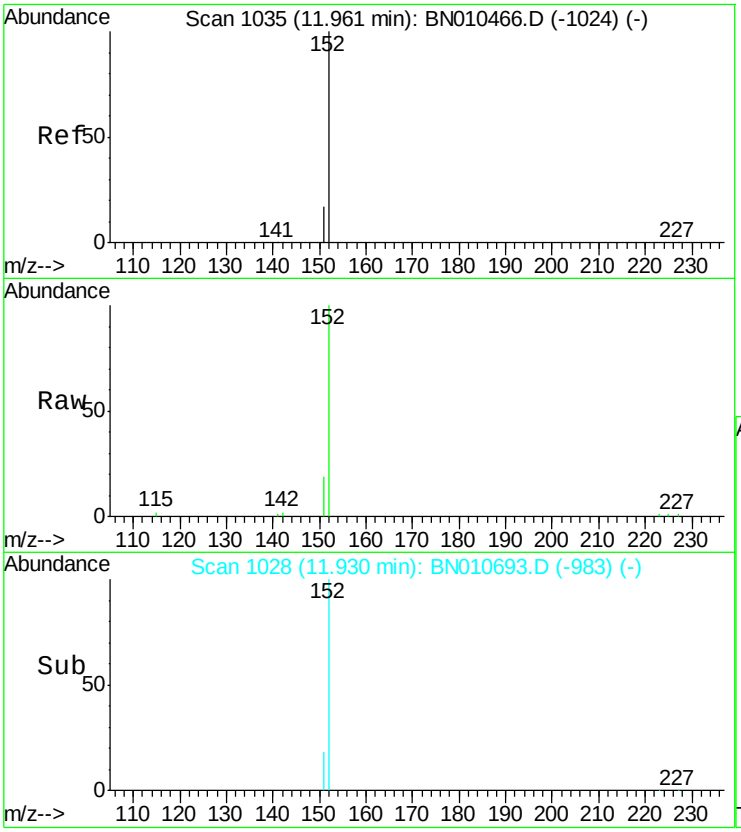


#10
Hexachlorobutadiene
Concen: 0.37 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:225 Resp: 2728

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.5	50.6	76.0



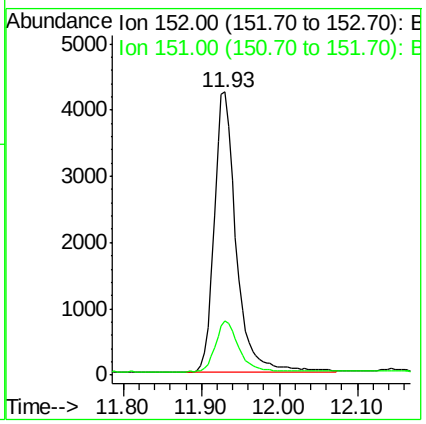


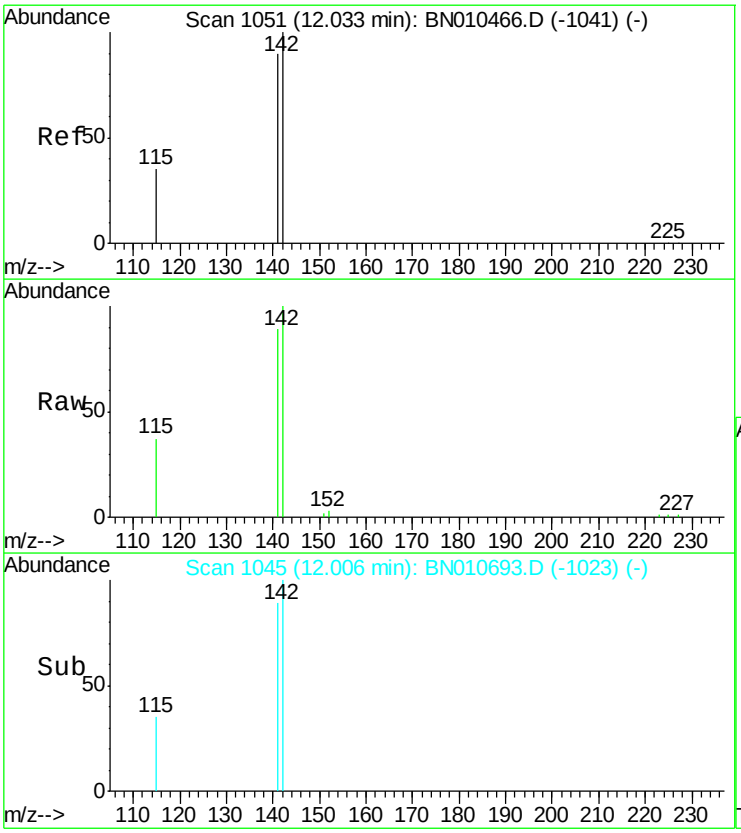
#11
2-Methylnaphthalene-d10
Concen: 0.40 ng
RT: 11.93 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8196

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.3	22.9

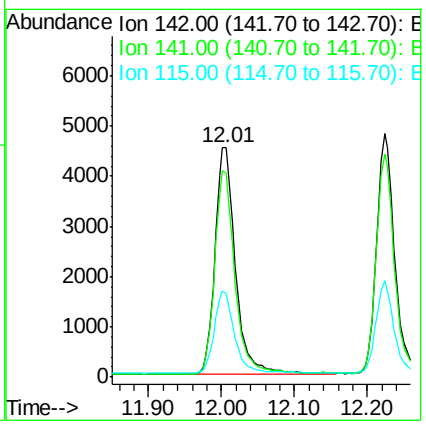


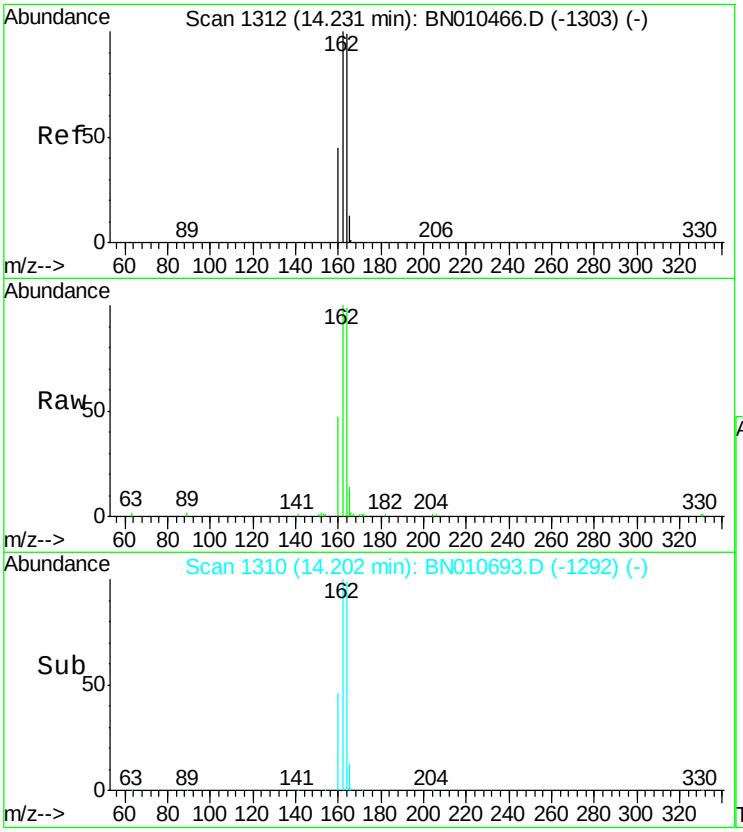


#12
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.01 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:142 Resp: 8899

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.9	107.9
115	36.7	28.8	43.2



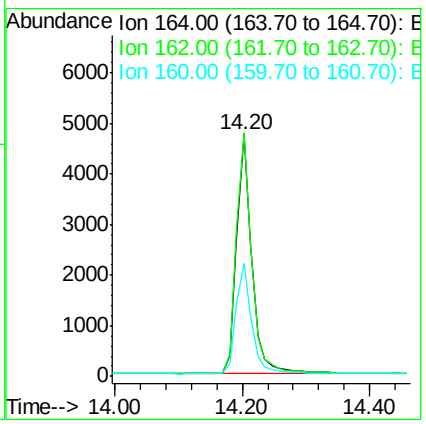


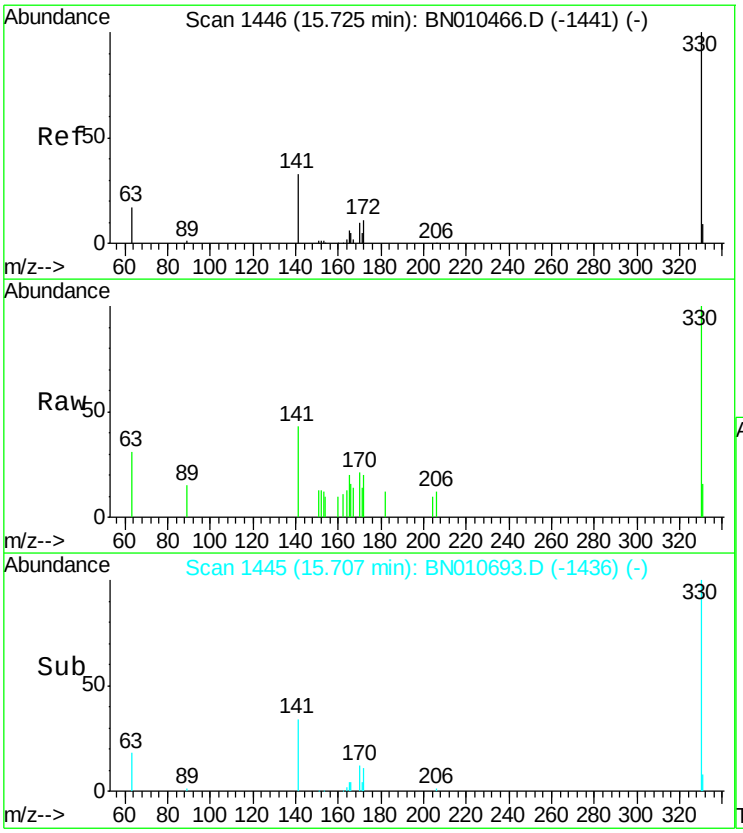
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7978

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	46.9	36.5	54.7

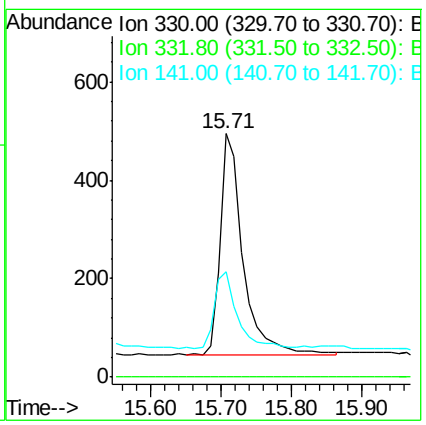


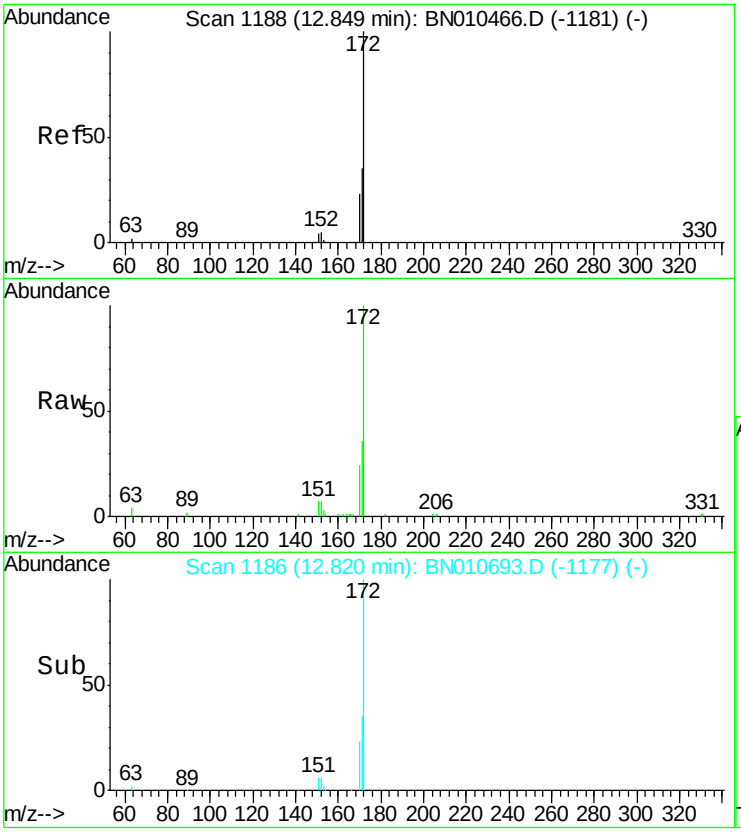


#14
2,4,6-Tribromophenol
Concen: 0.27 ng
RT: 15.71 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:330 Resp: 1020

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.3	28.1	42.1



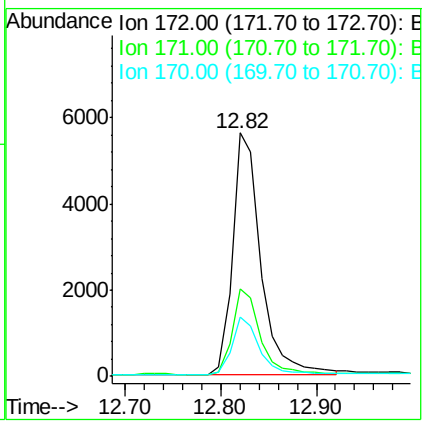


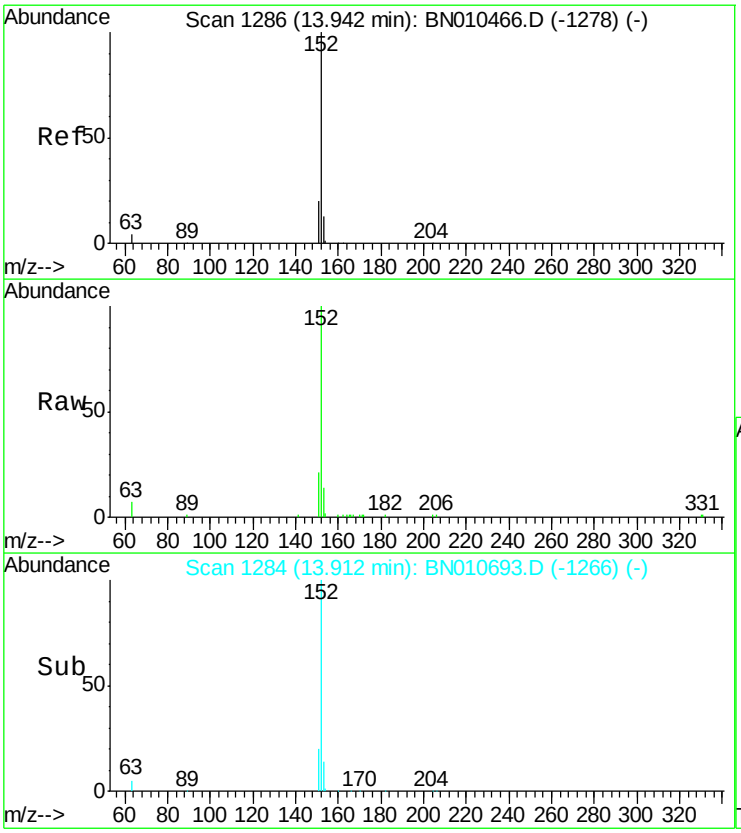
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 11483

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	24.1	18.4	27.6

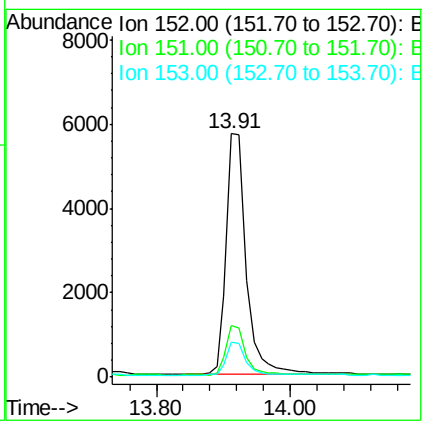


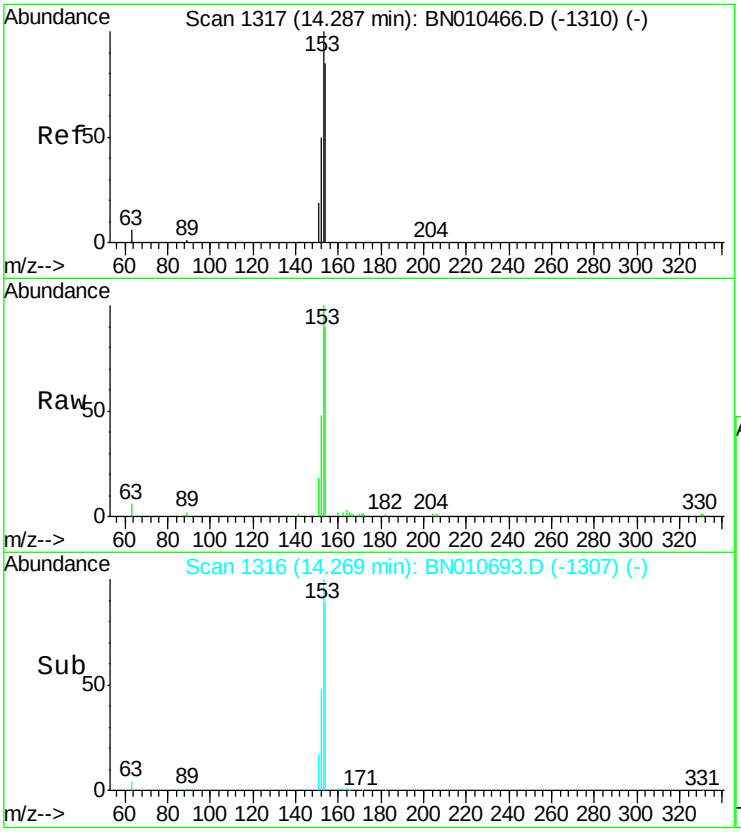


#16
Acenaphthylene
Concen: 0.35 ng
RT: 13.91 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:152 Resp: 12007

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.5	10.6	15.8



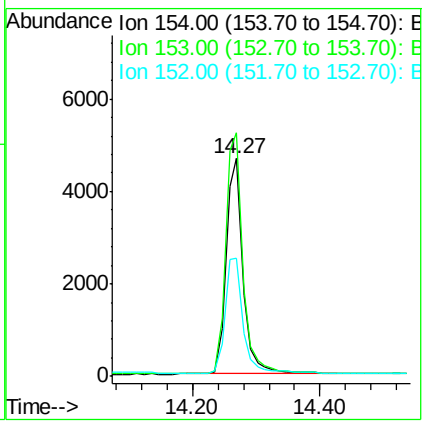


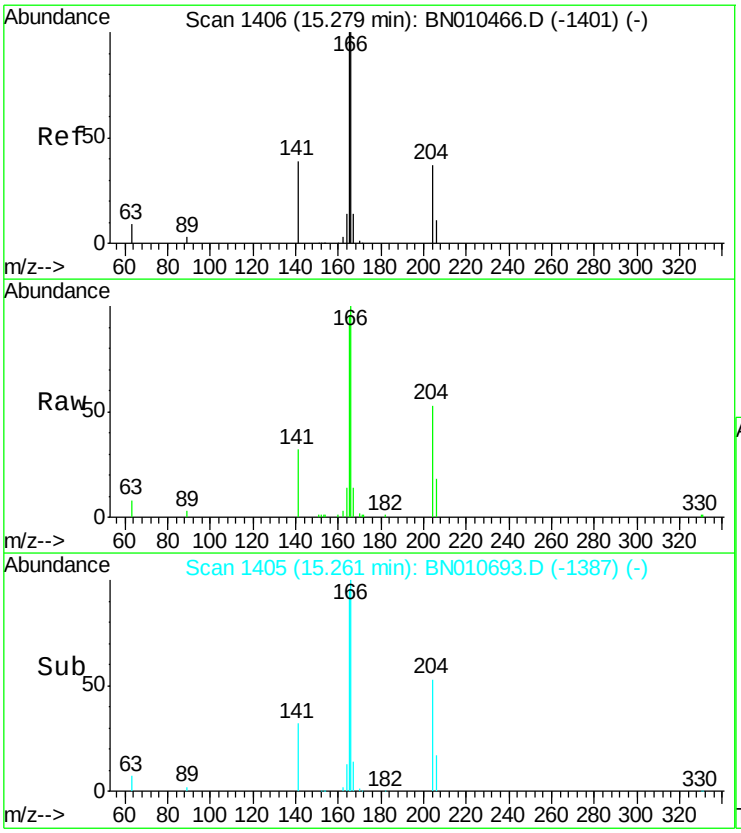
#17
Acenaphthene
Concen: 0.38 ng
RT: 14.27 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 8479

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.0	136.4
152	57.0	44.6	67.0

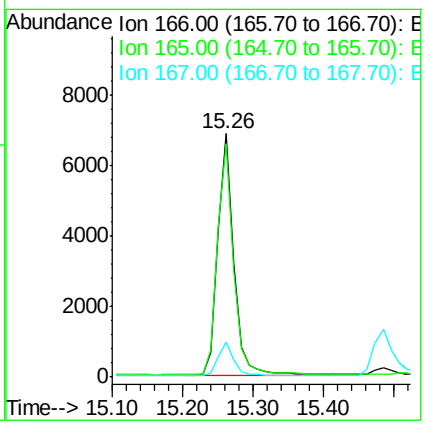


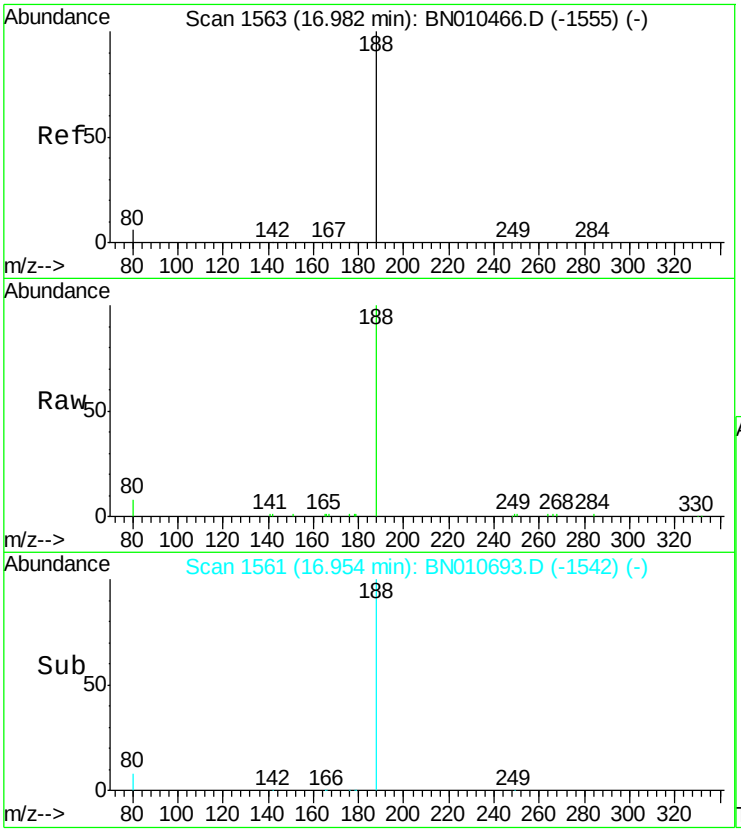


#18
Fluorene
Concen: 0.38 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:166 Resp: 11112

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.4	117.6
167	13.6	10.9	16.3



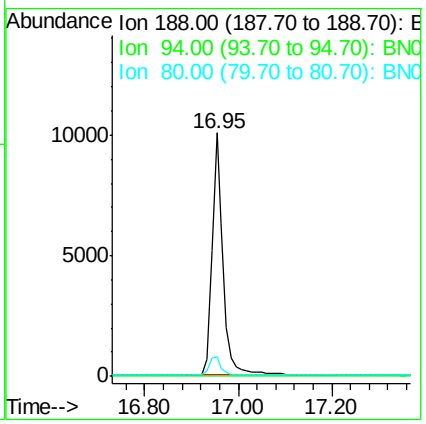


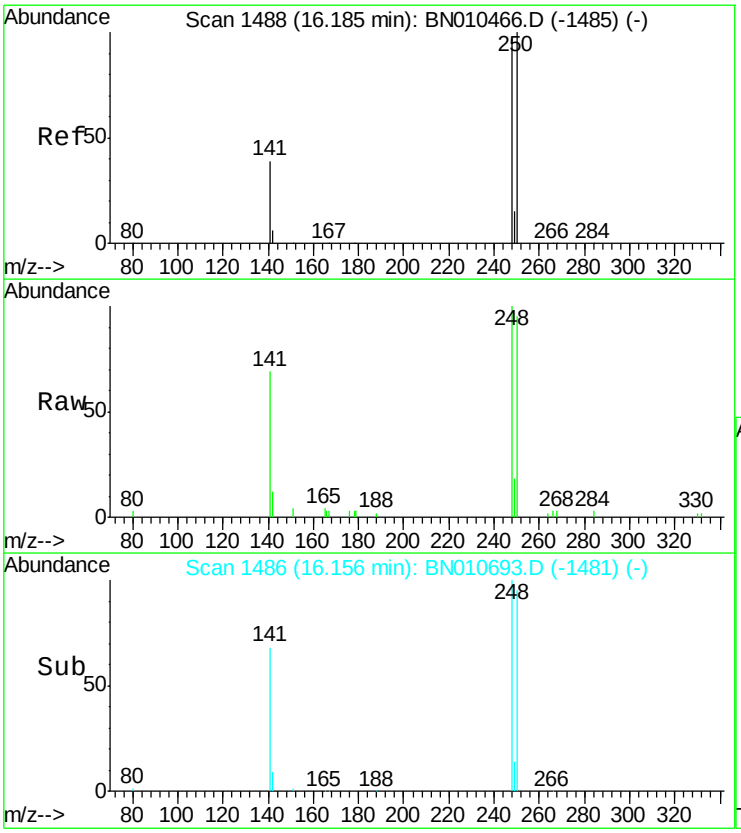
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 16975

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	5.0	7.6#

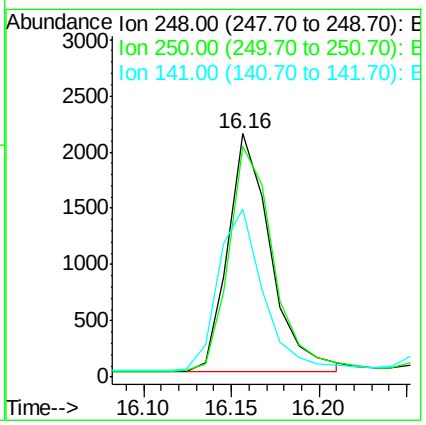


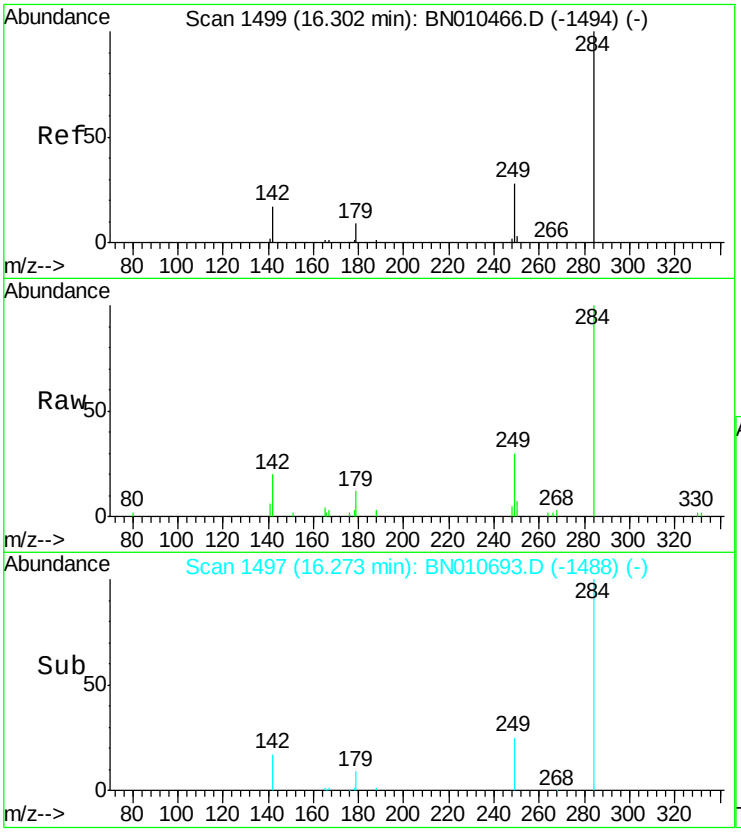


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:248 Resp: 3575

Ion	Ratio	Lower	Upper
248	100		
250	95.0	82.3	123.5
141	68.8	35.2	52.8#



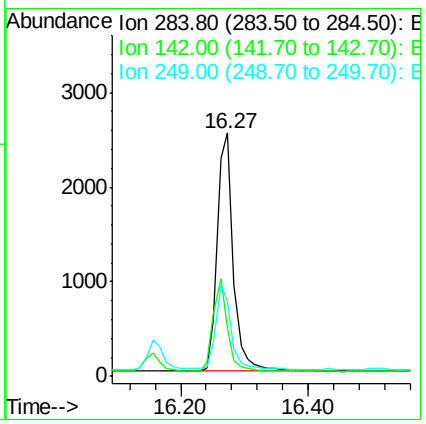


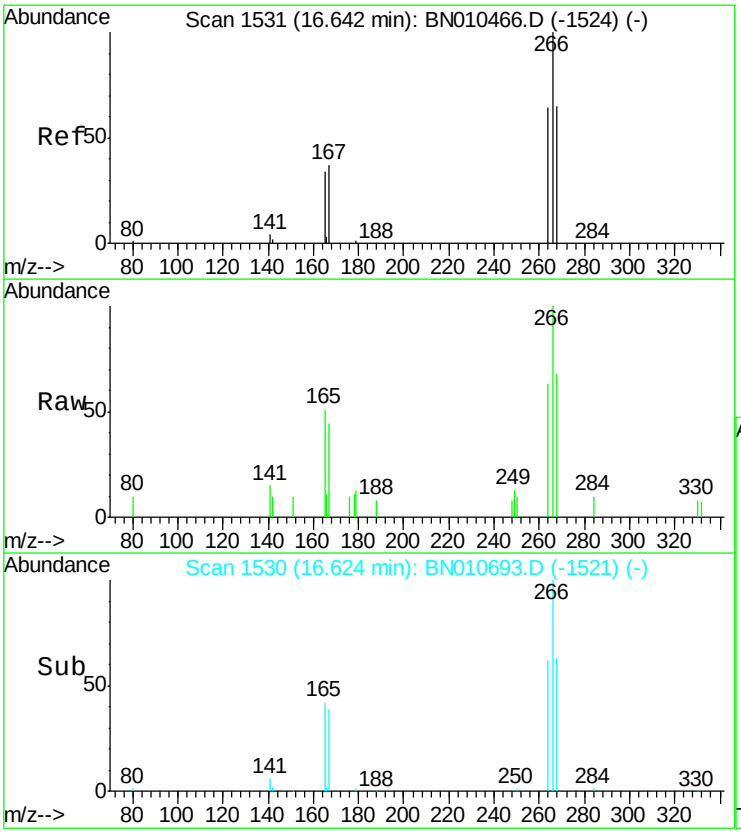
#21
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 4385

Ion	Ratio	Lower	Upper
284	100		
142	34.8	25.5	38.3
249	32.8	25.8	38.6

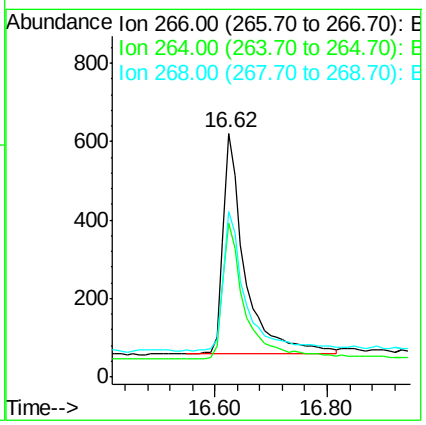


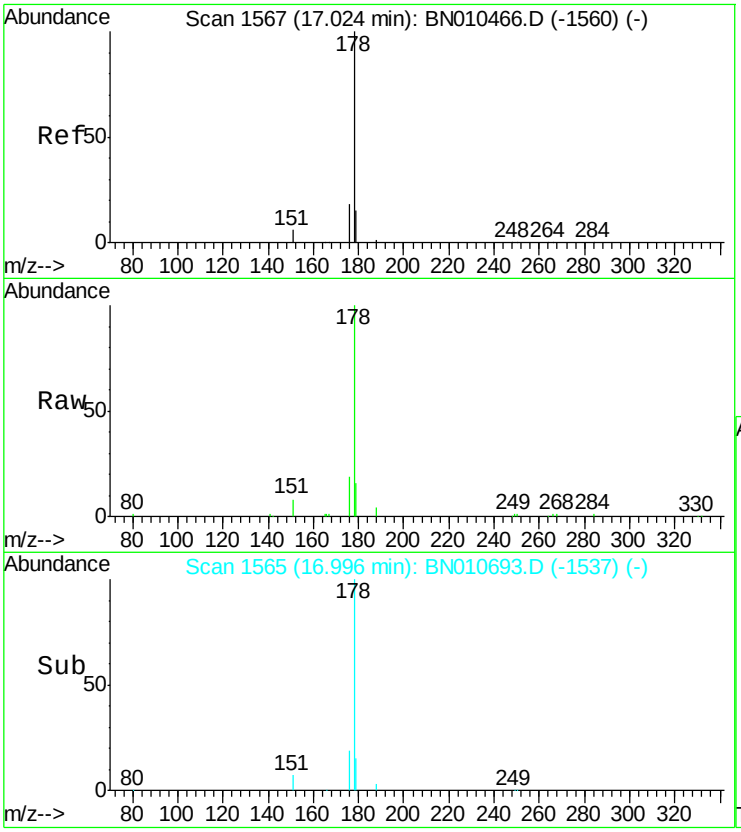


#22
Pentachlorophenol
Concen: 0.35 ng
RT: 16.62 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:266 Resp: 1499

Ion	Ratio	Lower	Upper
266	100		
264	63.4	51.8	77.6
268	67.8	53.7	80.5



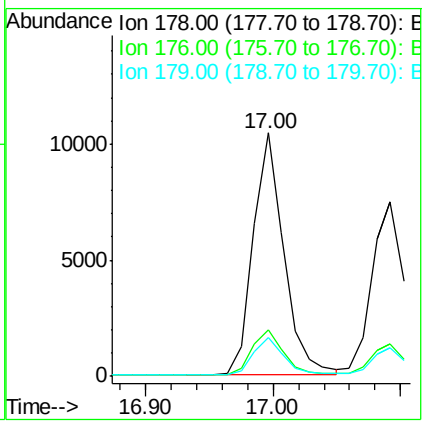


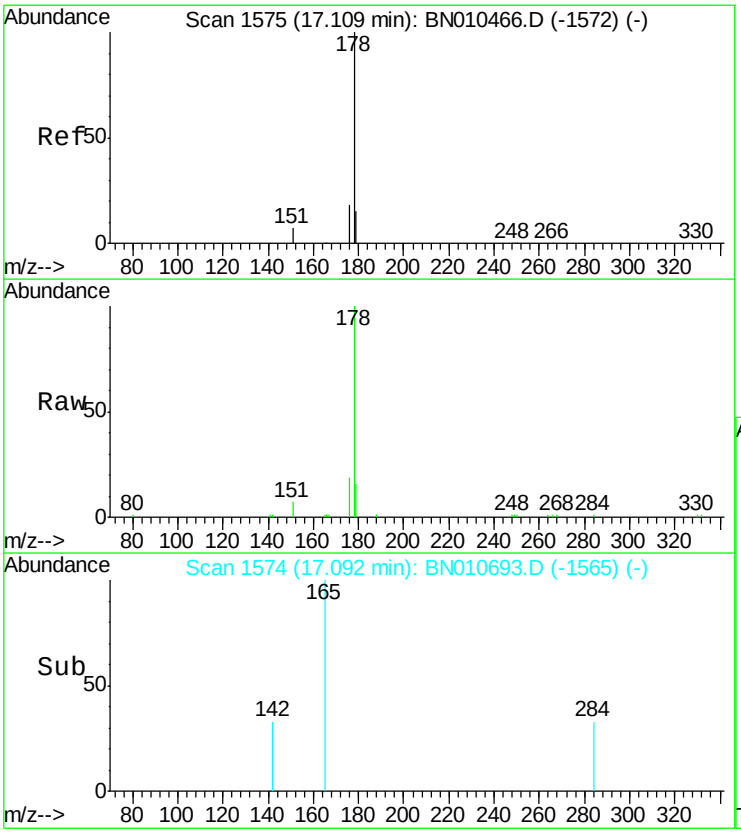
#23
Phenanthrene
Concen: 0.38 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 17474

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.6	12.6	18.8

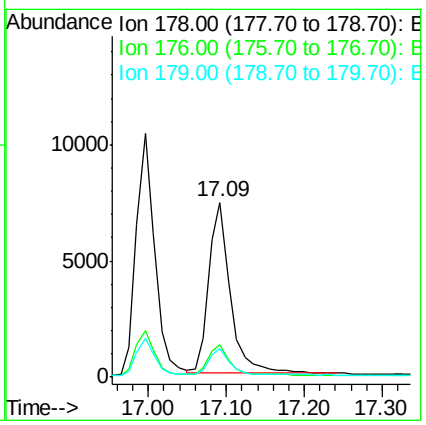


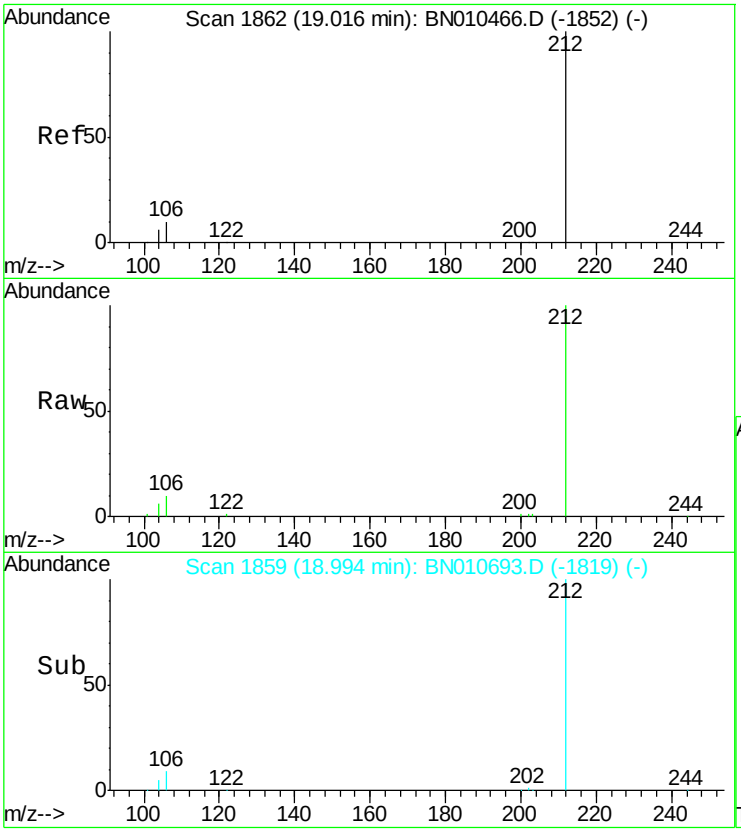


#24
Anthracene
Concen: 0.34 ng
RT: 17.09 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:178 Resp: 14168

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.3	12.2	18.2



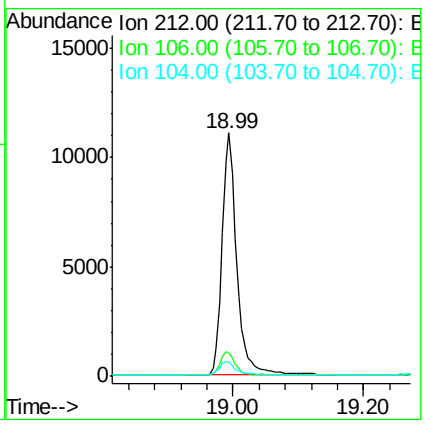


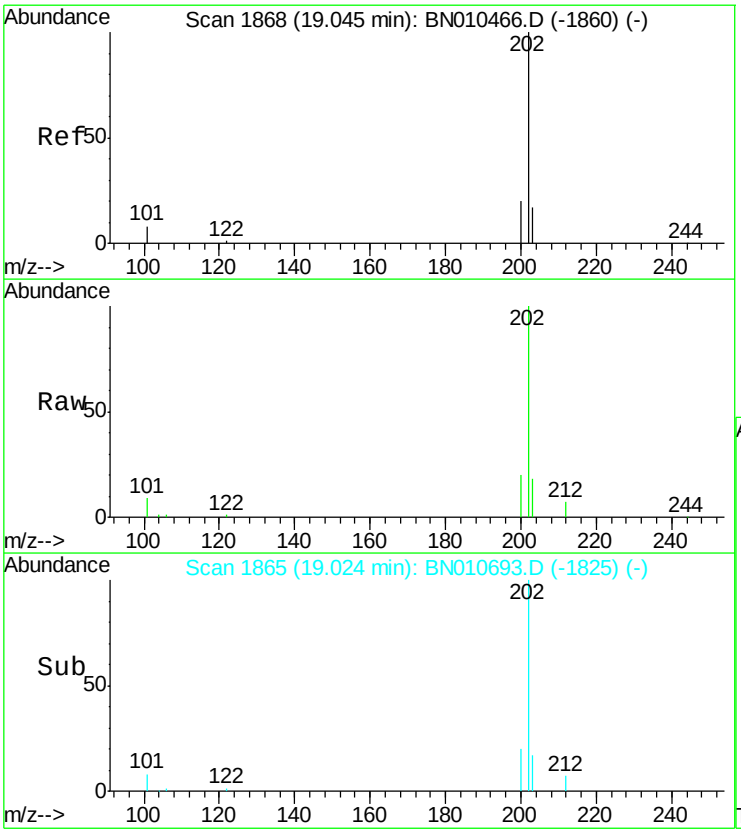
#25
Fluoranthene-d10
Concen: 0.34 ng
RT: 18.99 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 17647

Ion	Ratio	Lower	Upper
212	100		
106	9.8	7.8	11.6
104	5.7	4.5	6.7

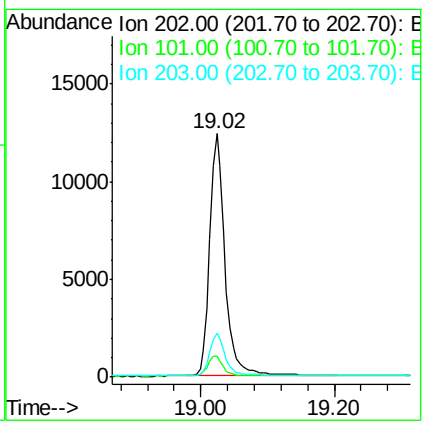


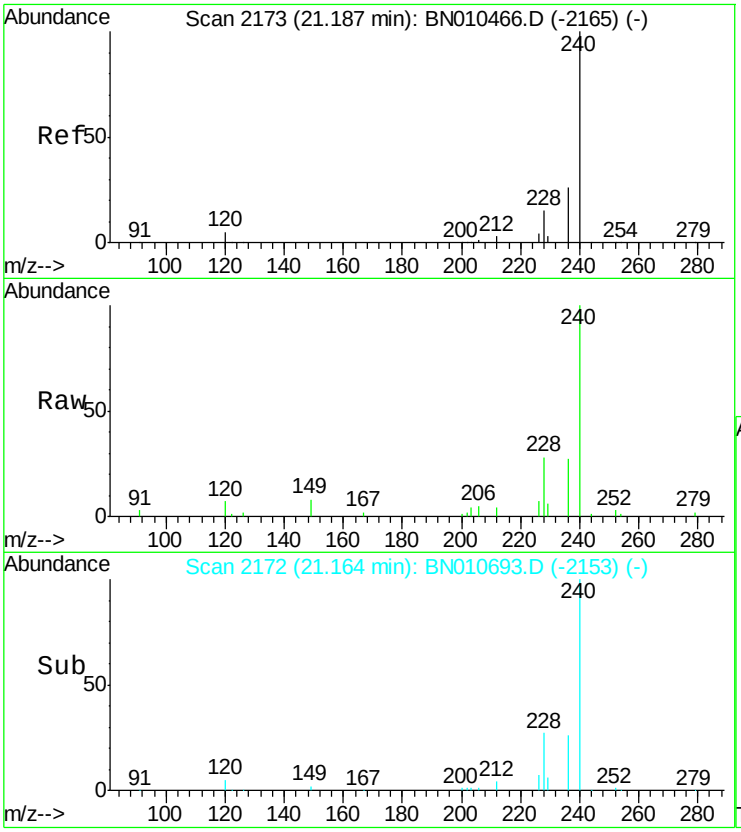


#26
Fluoranthene
Concen: 0.35 ng
RT: 19.02 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:202 Resp: 19713

Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.9	10.3
203	17.1	13.9	20.9



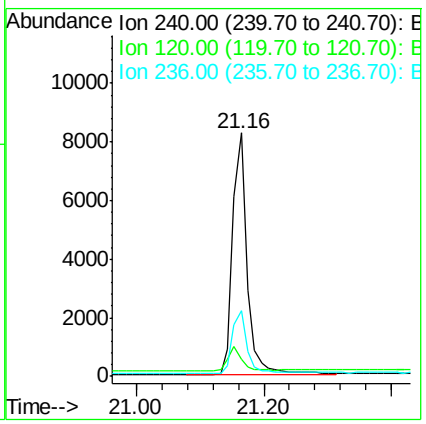


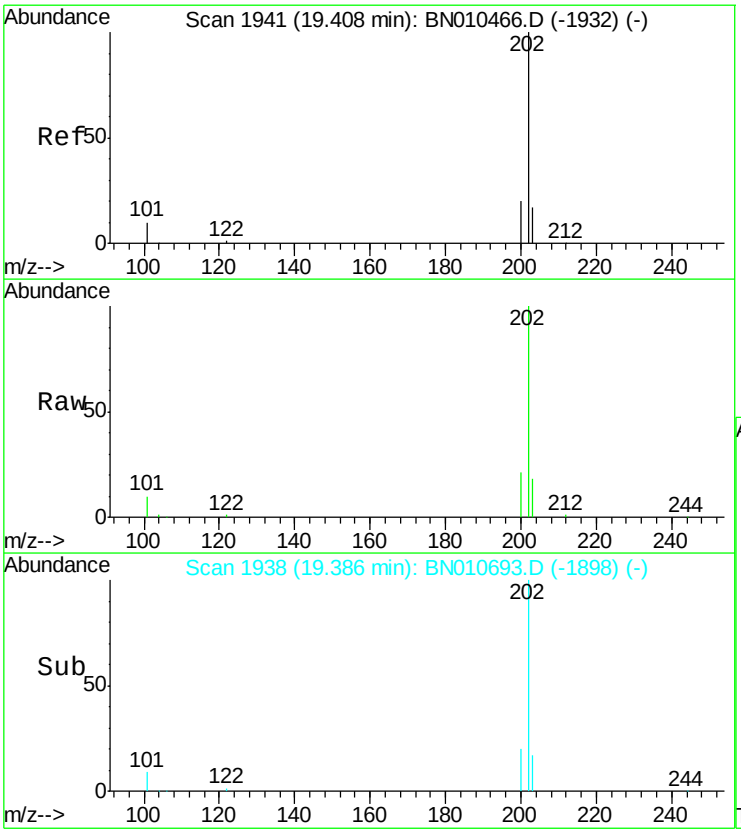
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.16 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 13016

Ion	Ratio	Lower	Upper
240	100		
120	7.3	4.8	7.2#
236	27.2	21.4	32.0

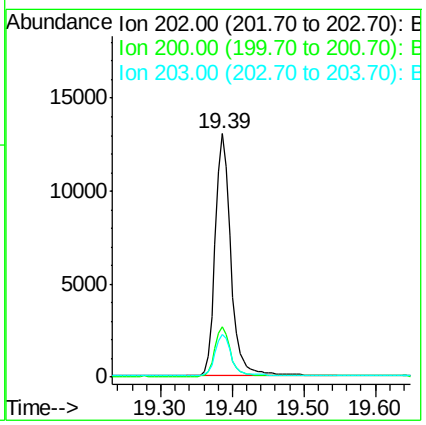


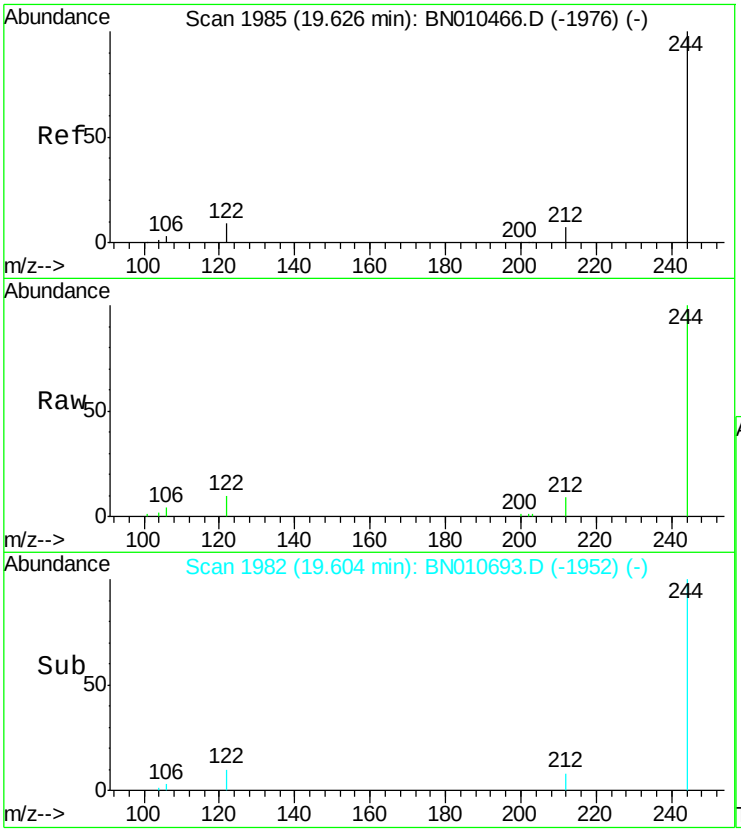


#28
Pyrene
Concen: 0.45 ng
RT: 19.39 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:202 Resp: 19737

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.3	24.5
203	17.6	14.0	21.0



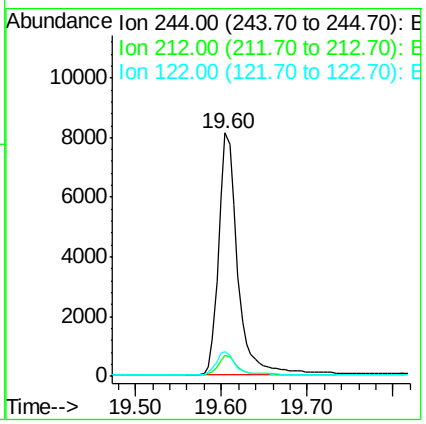


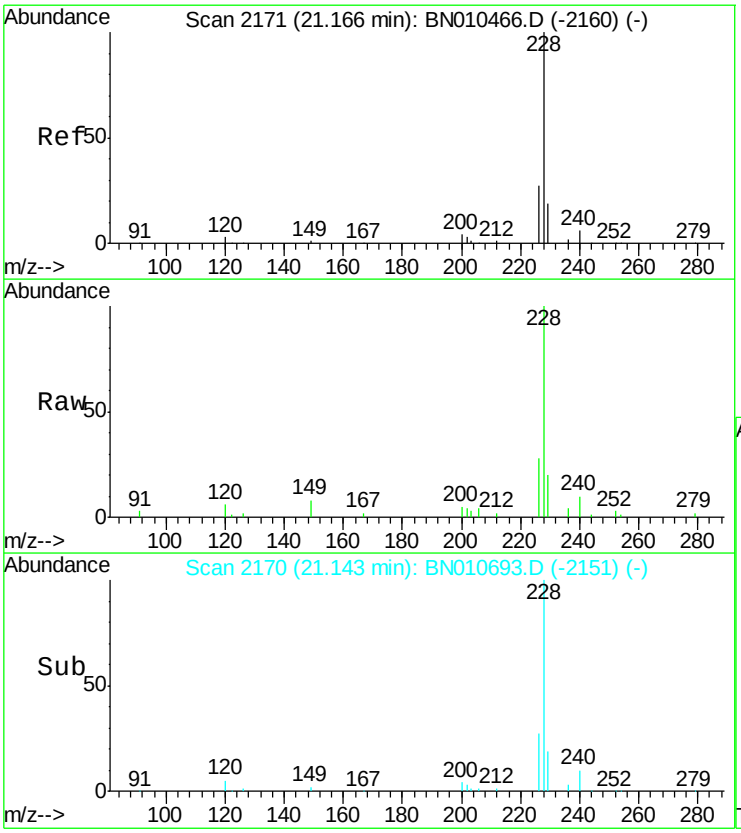
#29
Terphenyl-d14
Concen: 0.42 ng
RT: 19.60 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 12657

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.4
122	10.4	7.8	11.8

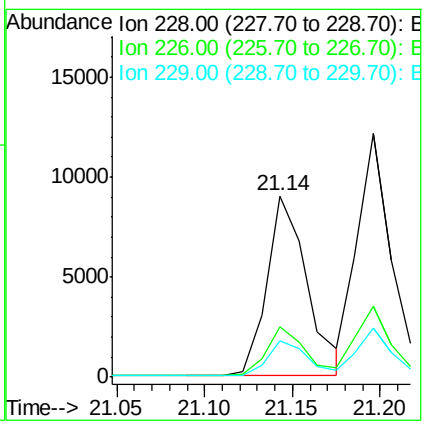


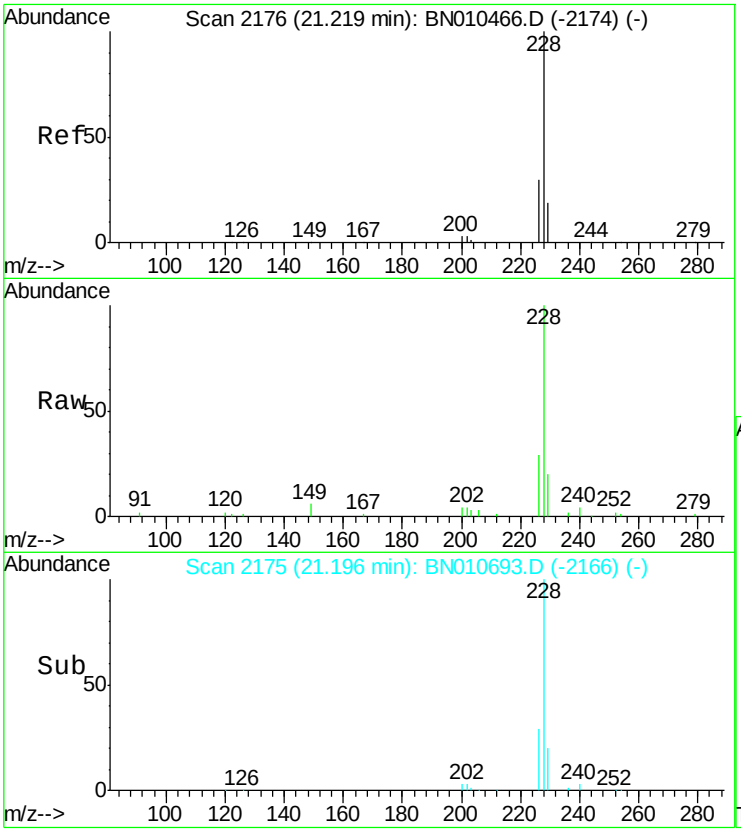


#30
Benzo(a)anthracene
Concen: 0.34 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:228 Resp: 14391

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	20.0	15.6	23.4



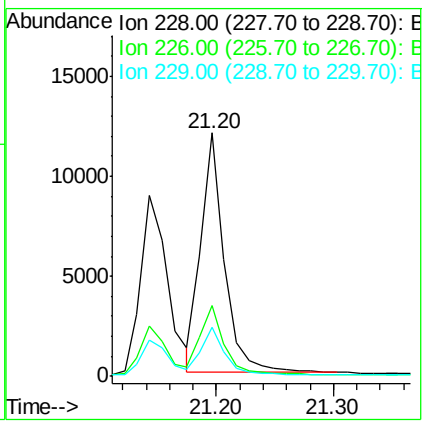


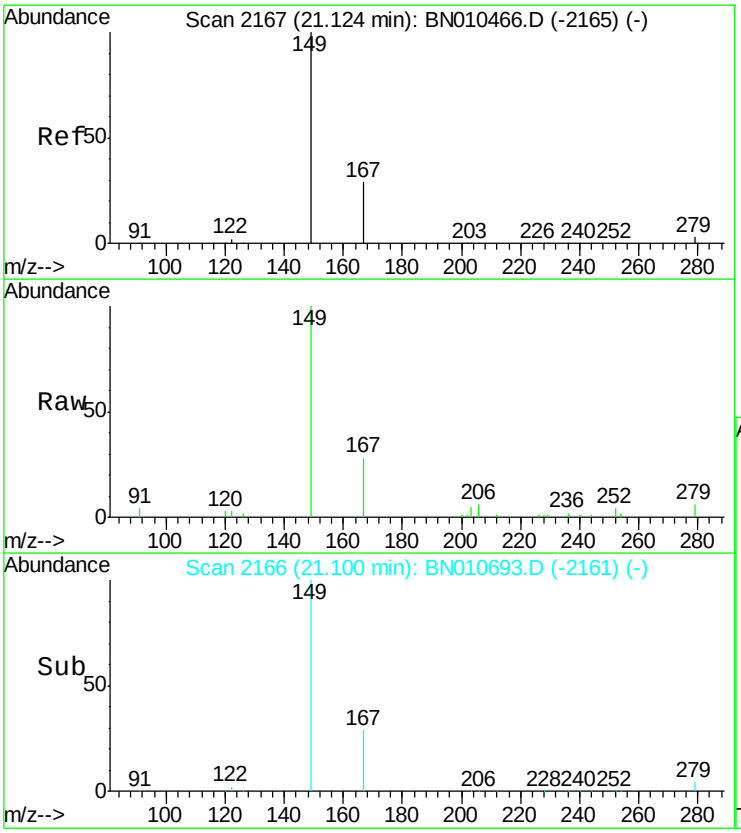
#31
Chrysene
Concen: 0.39 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 16664

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	20.2	15.8	23.6

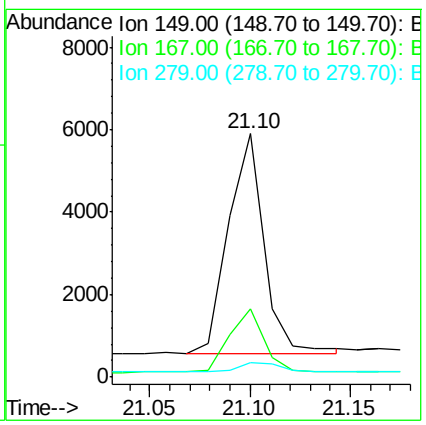


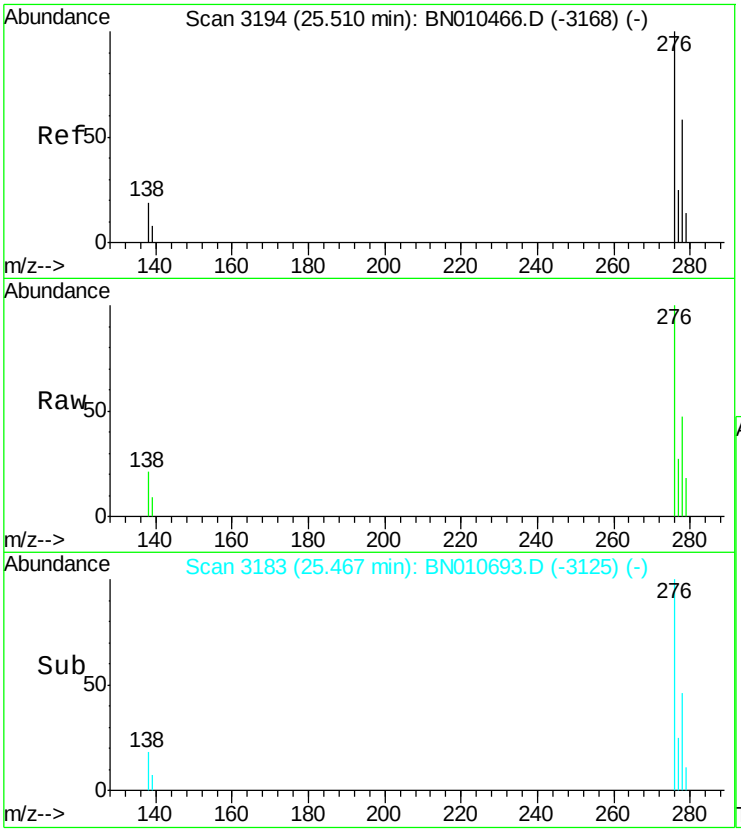


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.30 ng
RT: 21.10 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:149 Resp: 6638

Ion	Ratio	Lower	Upper
149	100		
167	27.4	23.4	35.0
279	5.2	4.0	6.0



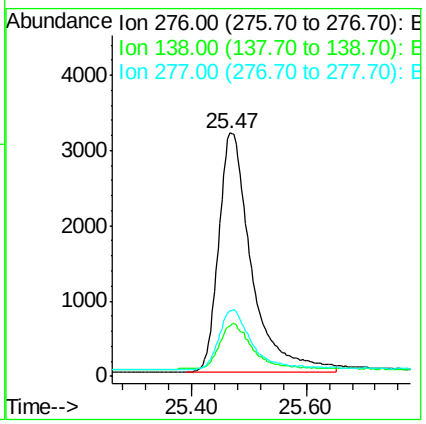


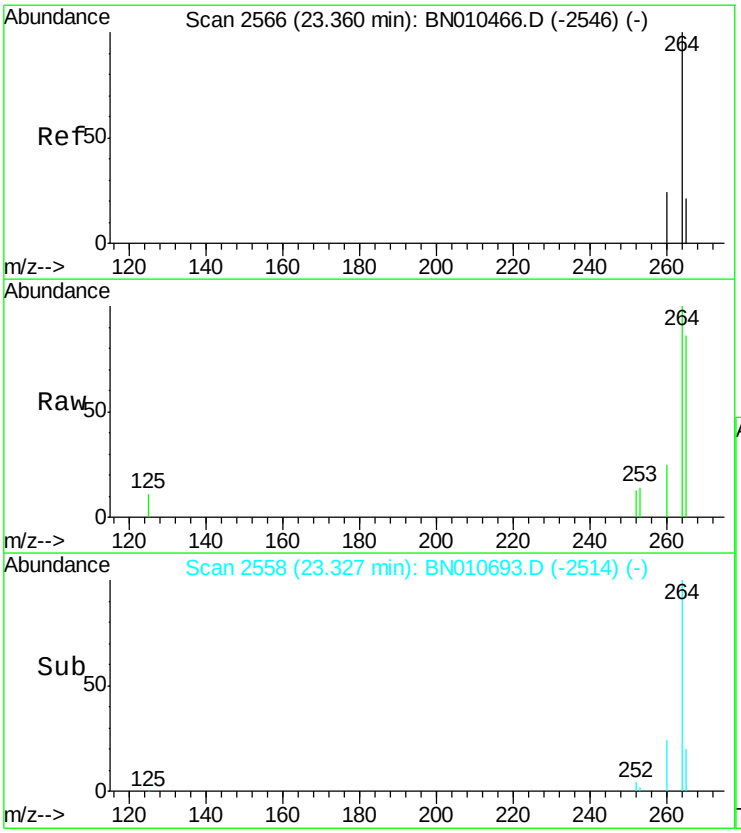
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.34 ng
RT: 25.47 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 12658

Ion	Ratio	Lower	Upper
276	100		
138	18.1	16.4	24.6
277	24.0	19.8	29.6

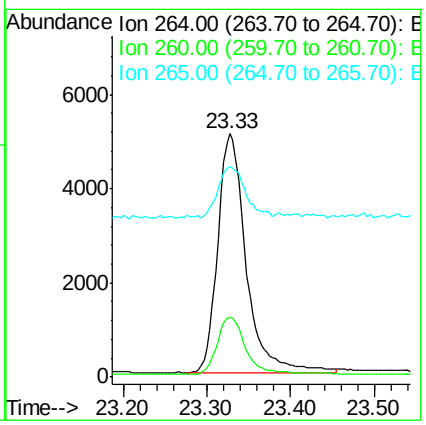


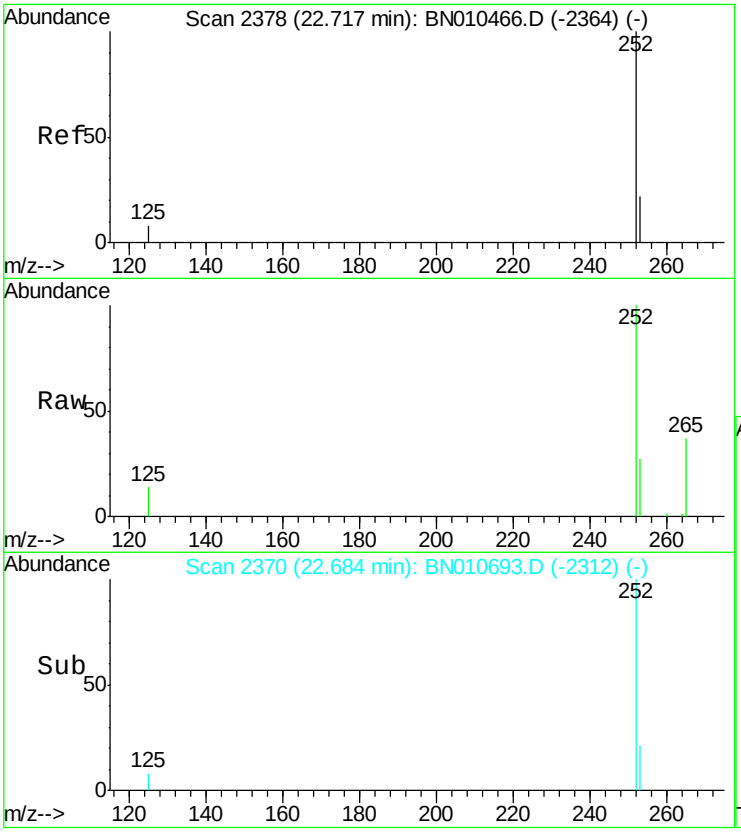


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.33 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:264 Resp: 11874

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	86.5	42.3	63.5#



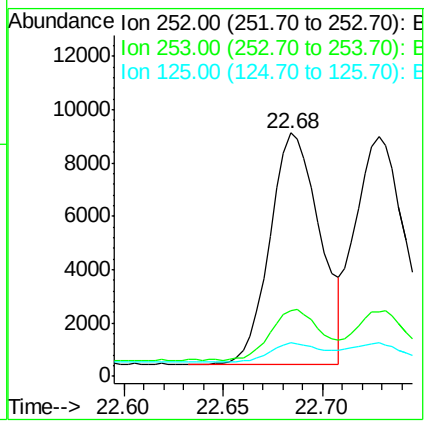


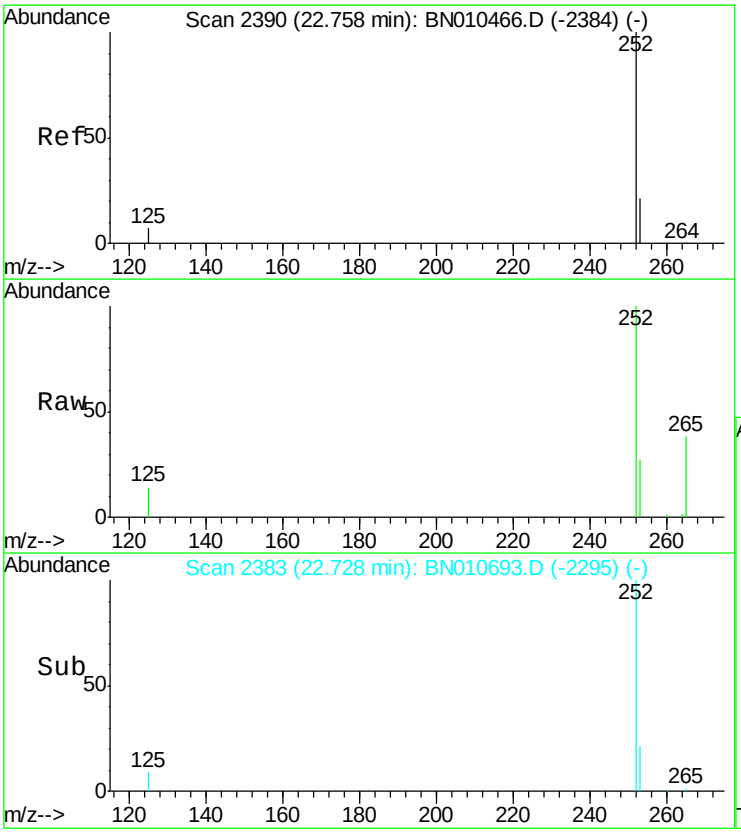
#35
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 22.68 min Scan# 2370
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 15228

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.2	30.4
125	13.6	9.2	13.8

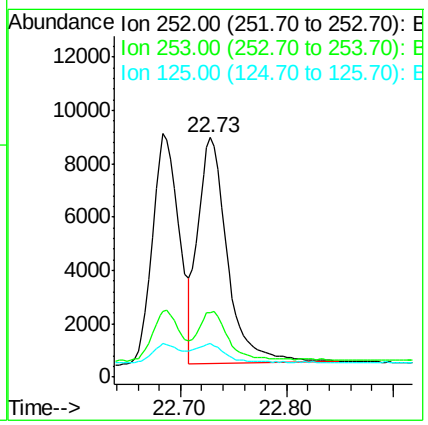


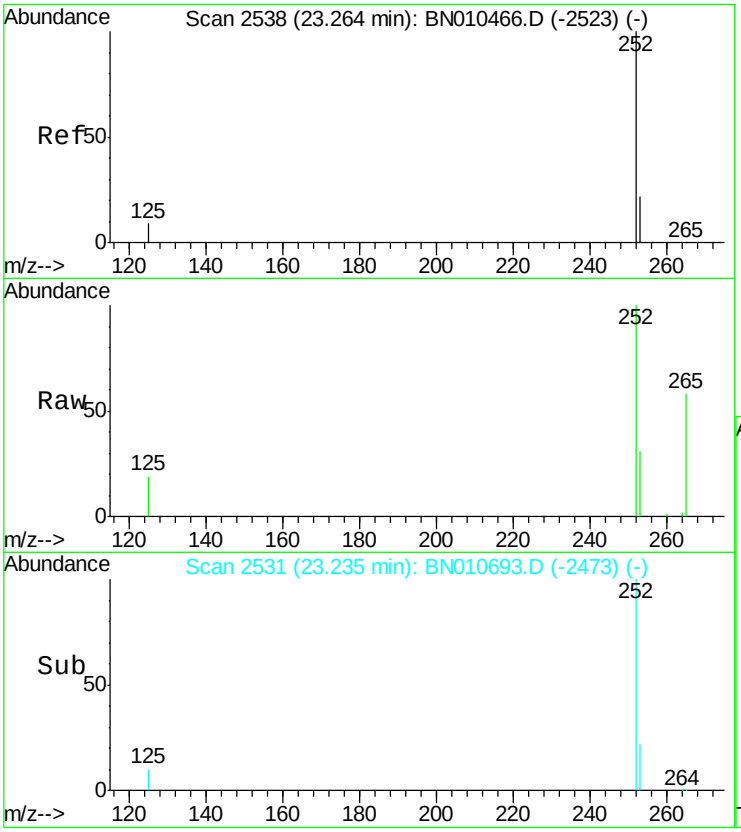


#36
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 22.73 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:252 Resp: 16217

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.1	30.1
125	13.9	9.6	14.4



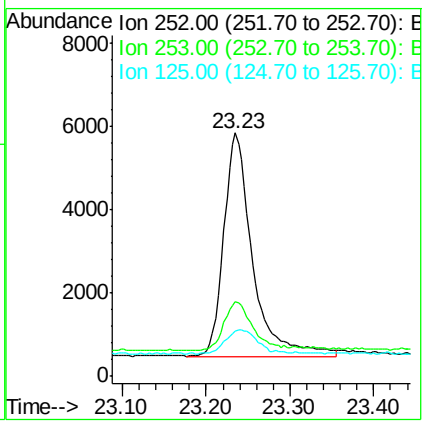


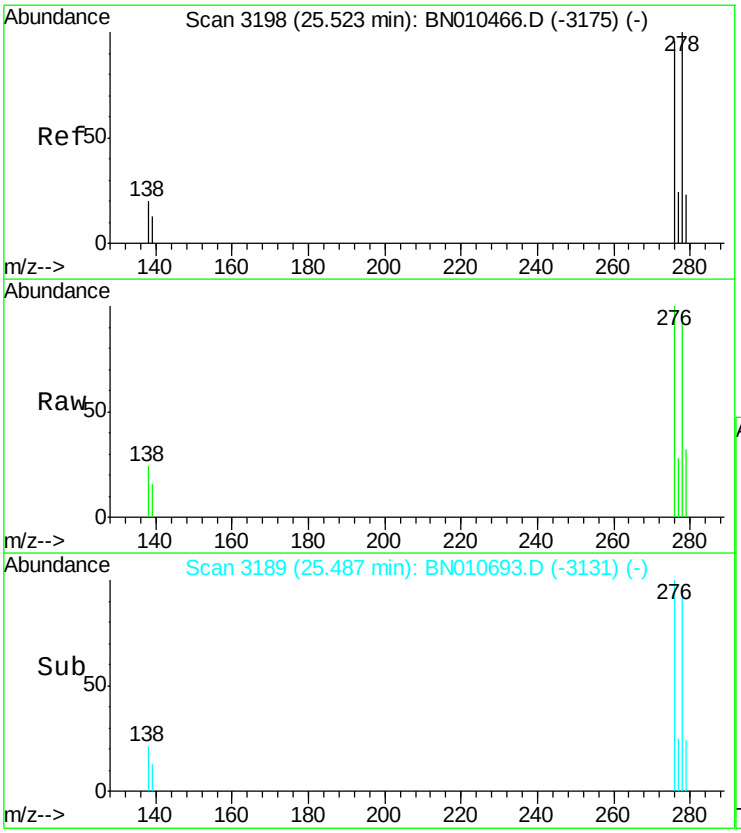
#37
Benzo(a)pyrene
Concen: 0.37 ng
RT: 23.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 12784

Ion	Ratio	Lower	Upper
252	100		
253	30.9	21.8	32.8
125	18.8	11.0	16.6#

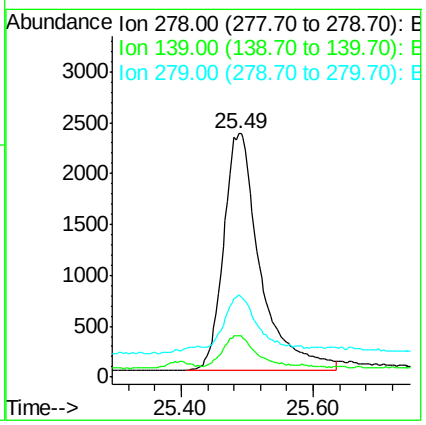


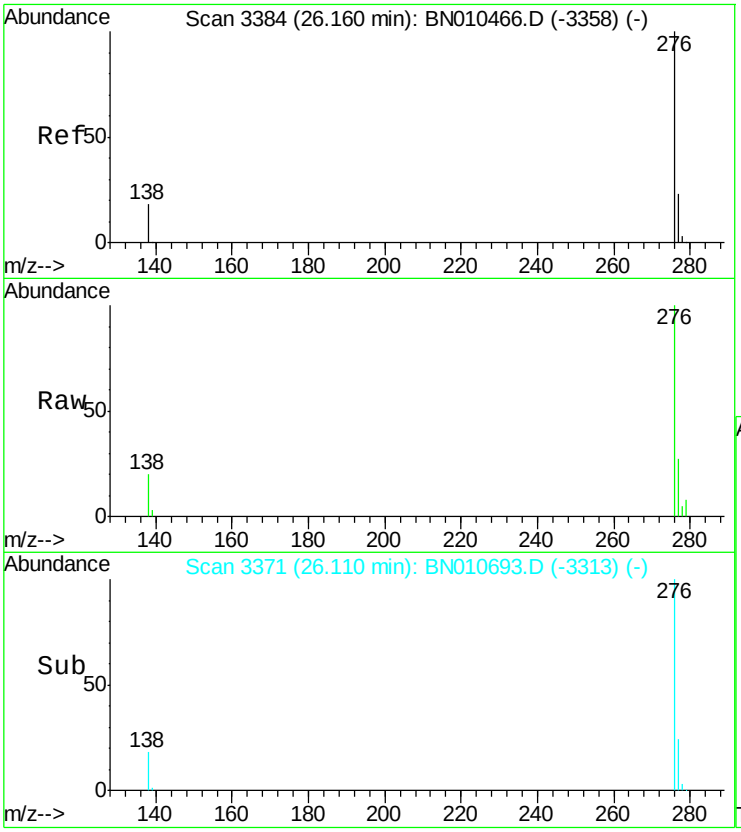


#38
Dibenzo(a,h)anthracene
Concen: 0.28 ng
RT: 25.49 min Scan# 3189
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Tgt Ion:278 Resp: 8980

Ion	Ratio	Lower	Upper
278	100		
139	16.9	12.3	18.5
279	33.7	21.9	32.9#





#39
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 26.11 min Scan# 3371
Delta R.T. 0.00 min
Lab File: BN010693.D
Acq: 12 May 2020 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 12407

Ion	Ratio	Lower	Upper
276	100		
277	26.6	20.2	30.2
138	20.5	15.4	23.2