Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051320\
Data File : BN010702.D
Acq On : 13 May 2020 10:45
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC0.2

Quant Time: May 13 13:25:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 13:23:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2508	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	10339	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	6608	0.40	ng		0.00
19) Phenanthrene-d10	16.96	188	14142	0.40	ng		0.01
27) Chrysene-d12	21.16	240	10555	0.40	ng		0.01
34) Perylene-d12	23.33	264	9933	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	1020	0.19	ng		0.00
5) Phenol-d6	6.78	99	1180	0.16	ng		0.00
8) Nitrobenzene-d5	8.72	82	1333	0.18	ng		0.01
11) 2-Methylnaphthalene-d10	11.94	152	3384	0.20	ng		0.01
14) 2,4,6-Tribromophenol	15.72	330	429	0.14	ng		0.01
15) 2-Fluorobiphenyl	12.84	172	4639	0.19	ng		0.02
25) Fluoranthene-d10	19.00	212	7212	0.17	ng		0.00
29) Terphenyl-d14	19.61	244	5082	0.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	433	0.23	ng		94
3) n-Nitrosodimethylamine	3.60	42	190	0.16	ng	#	97
6) bis(2-Chloroethyl)ether	7.03	93	1232	0.20	ng		96
9) Naphthalene	10.38	128	5341	0.21	ng		99
10) Hexachlorobutadiene	10.68	225	1197	0.19	ng	#	100
12) 2-Methylnaphthalene	12.01	142	3654	0.20	ng		98
16) Acenaphthylene	13.92	152	5004	0.18	ng		99
17) Acenaphthene	14.27	154	3594	0.20	ng		99
18) Fluorene	15.27	166	4657	0.19	ng		99
20) 4-Bromophenyl-phenylether	16.17	248	1422	0.18	ng		94
21) Hexachlorobenzene	16.27	284	1915	0.21	ng		97
22) Pentachlorophenol	16.65	266	504	0.14	ng	#	81
23) Phenanthrene	17.01	178	7152	0.19	ng		98
24) Anthracene	17.10	178	5711	0.16	ng		100
26) Fluoranthene	19.03	202	7914	0.17	ng		99
28) Pyrene	19.39	202	7998	0.23	ng		100
30) Benzo(a)anthracene	21.14	228	5747	0.17	ng		97
31) Chrysene	21.20	228	7087	0.21	ng		98
32) Bis(2-ethylhexyl)phthalate	21.10	149	2661	0.15	ng		98
33) Indeno(1,2,3-cd)pyrene	25.48	276	6047	0.20	ng		99
35) Benzo(b)fluoranthene	22.68	252	6286	0.19	ng	#	87
36) Benzo(k)fluoranthene	22.73	252	7035	0.21	ng	#	85
37) Benzo(a)pyrene	23.24	252	5452	0.19	ng	#	78
38) Dibenzo(a,h)anthracene	25.49	278	4302	0.16	ng	#	85
39) Benzo(g,h,i)perylene	26.11	276	5703	0.21	ng		95

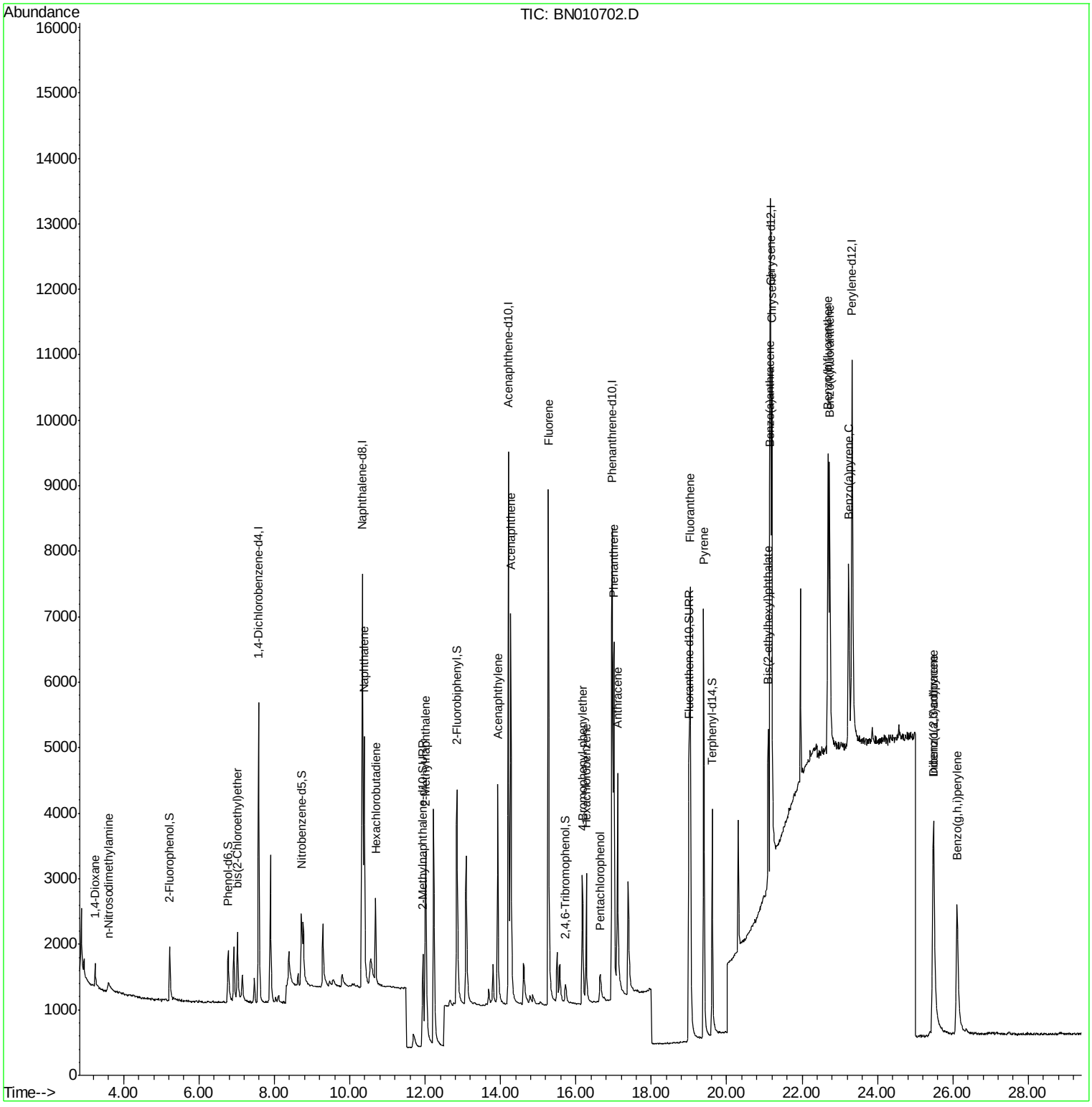
(#) = qualifier out of range (m) = manual integration (+) = signals summed

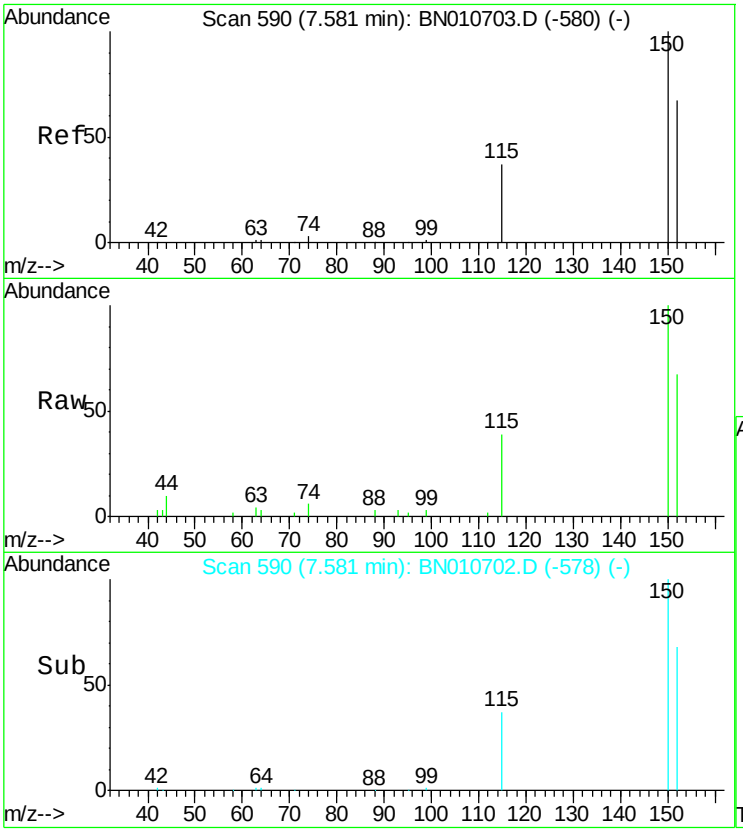
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051320\
Data File : BN010702.D
Acq On : 13 May 2020 10:45
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: May 13 13:25:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 13:23:01 2020
Response via : Initial Calibration



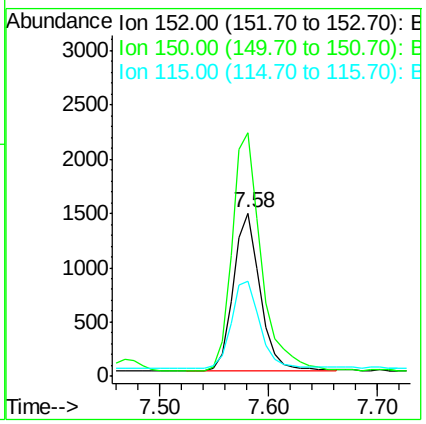


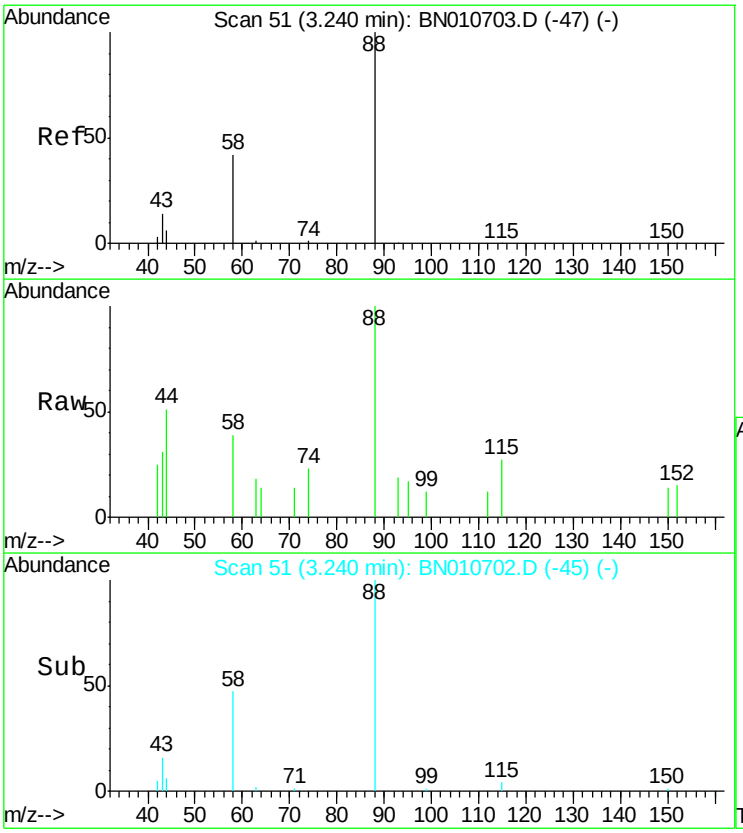
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.58 min Scan# 590
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2508

Ion	Ratio	Lower	Upper
152	100		
150	149.2	119.4	179.0
115	58.1	45.9	68.9

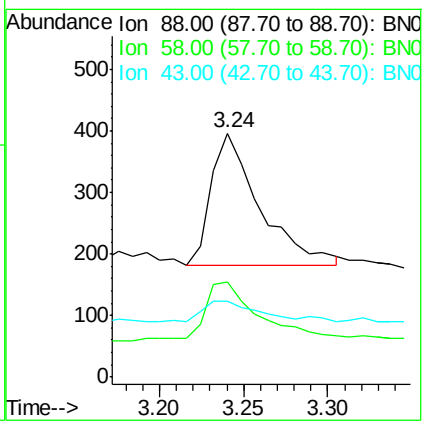


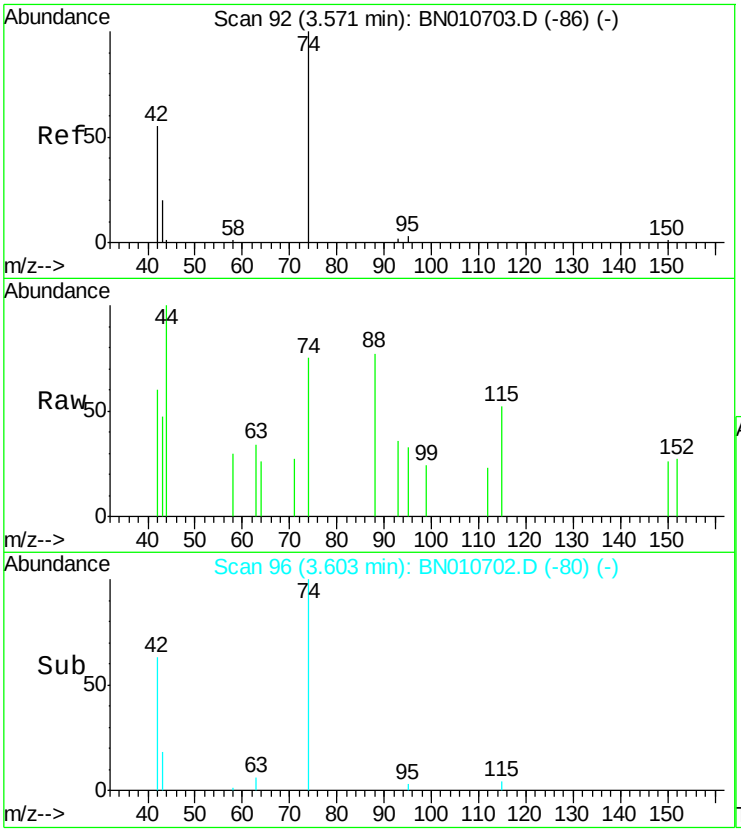


#2
1,4-Dioxane
Concen: 0.23 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion: 88 Resp: 433

Ion	Ratio	Lower	Upper
88	100		
58	45.0	39.0	58.6
43	19.6	13.1	19.7



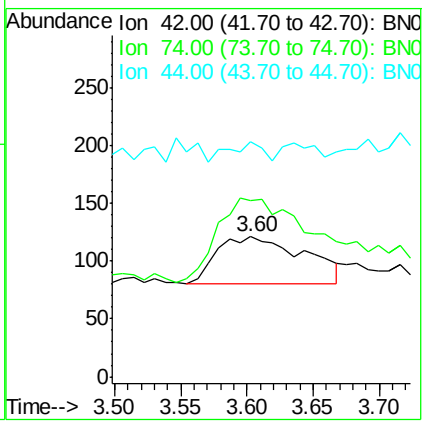


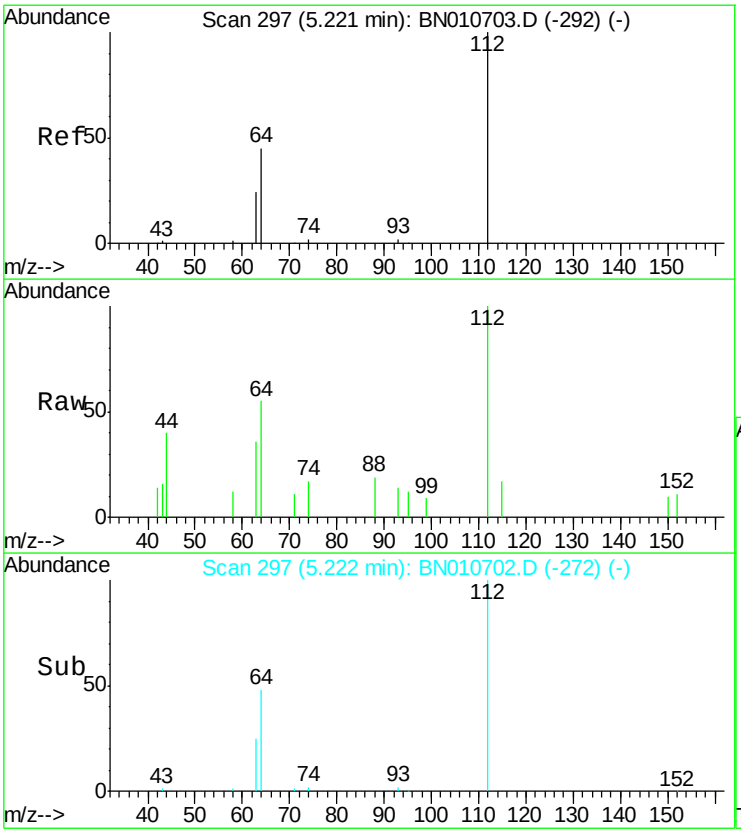
#3
n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.60 min Scan# 96
Delta R.T. 0.03 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 190

Ion	Ratio	Lower	Upper
42	100		
74	178.9	146.2	219.2
44	16.3	3.0	4.4#

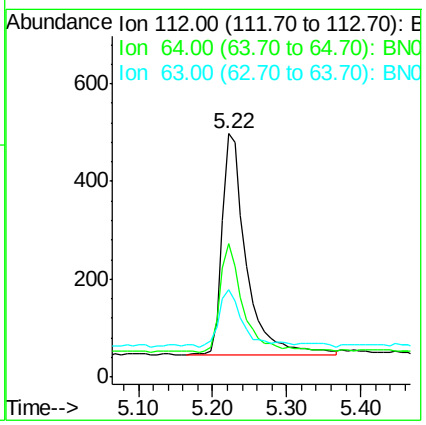


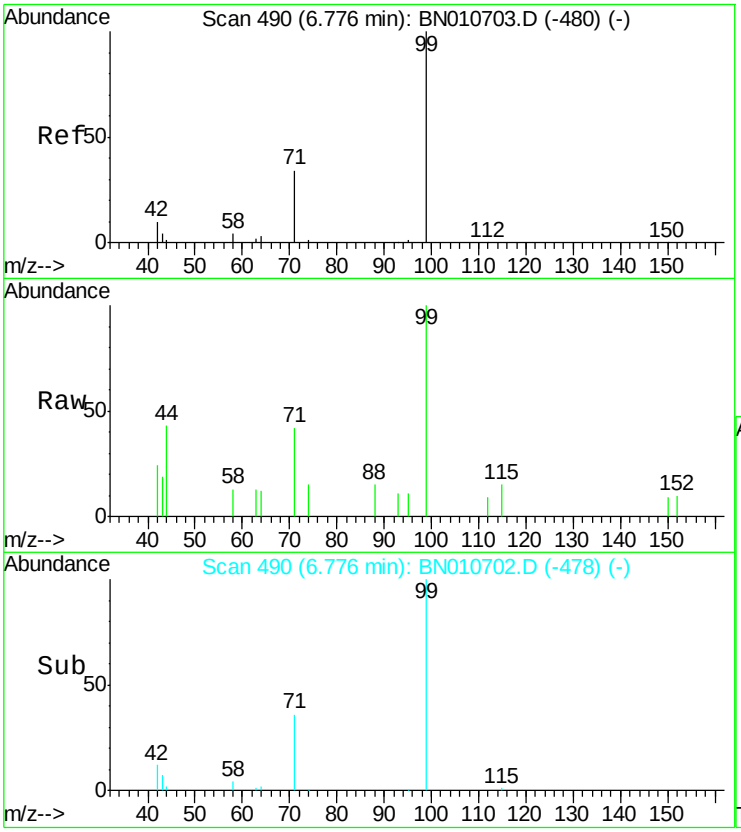


#4
2-Fluorophenol
Concen: 0.19 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:112 Resp: 1020

Ion	Ratio	Lower	Upper
112	100		
64	47.5	36.2	54.4
63	25.4	19.8	29.8



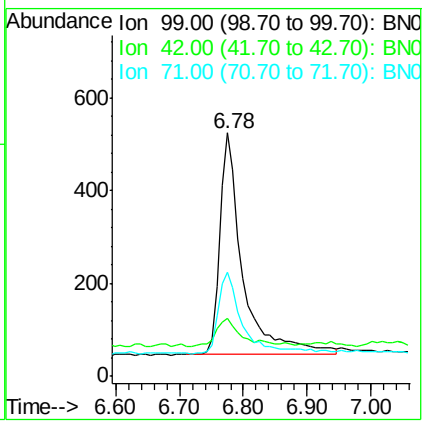


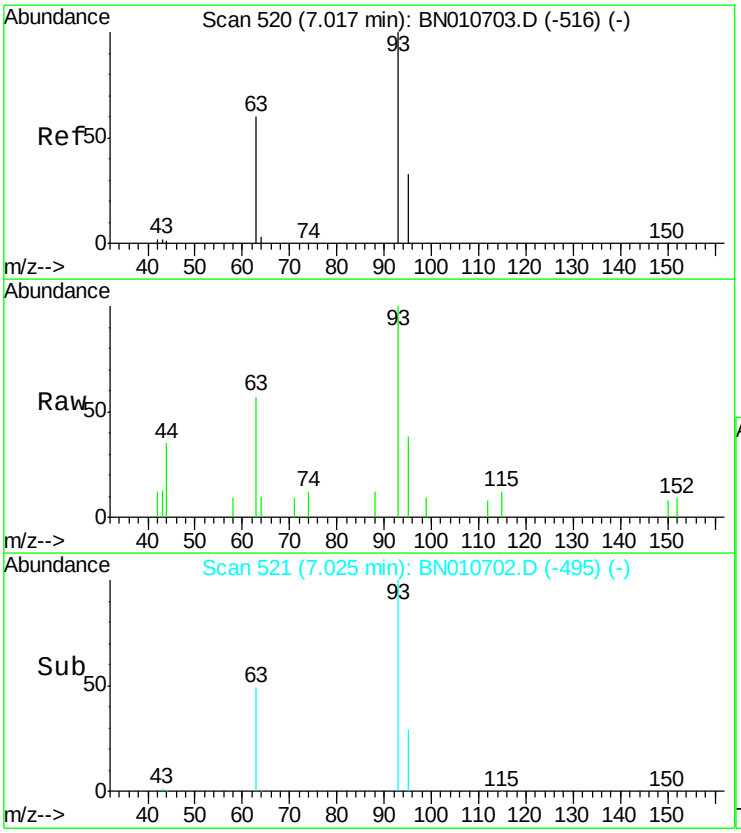
#5
Phenol-d6
Concen: 0.16 ng
RT: 6.78 min Scan# 490
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1180

Ion	Ratio	Lower	Upper
99	100		
42	14.0	9.8	14.8
71	39.8	28.6	42.8

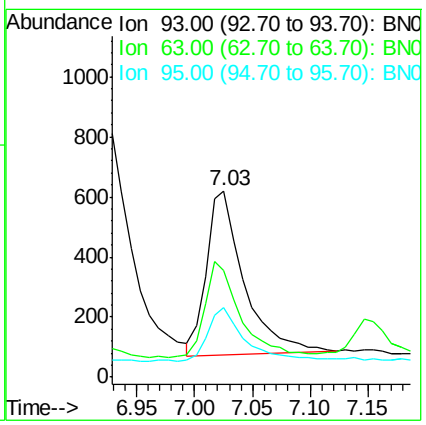


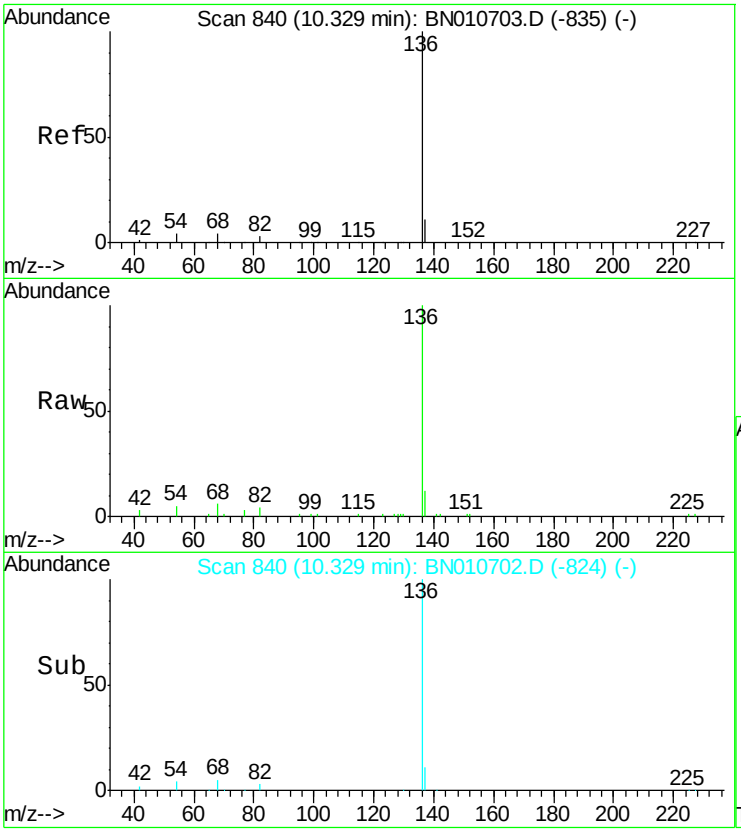


#6
bis(2-Chloroethyl)ether
Concen: 0.20 ng
RT: 7.03 min Scan# 521
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion: 93 Resp: 1232

Ion	Ratio	Lower	Upper
93	100		
63	55.8	43.1	64.7
95	34.5	24.6	37.0



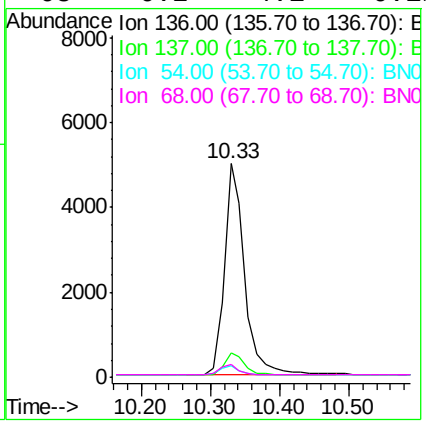


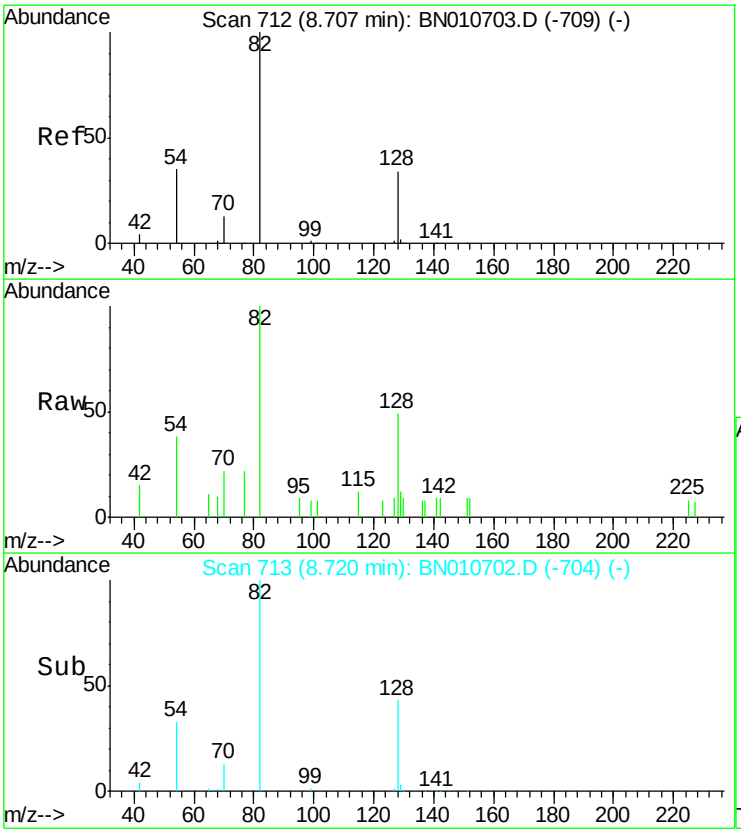
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 10339

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	5.3	3.6	5.4
68	6.2	4.1	6.1#

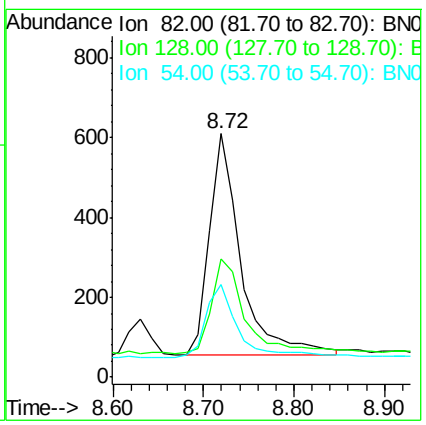


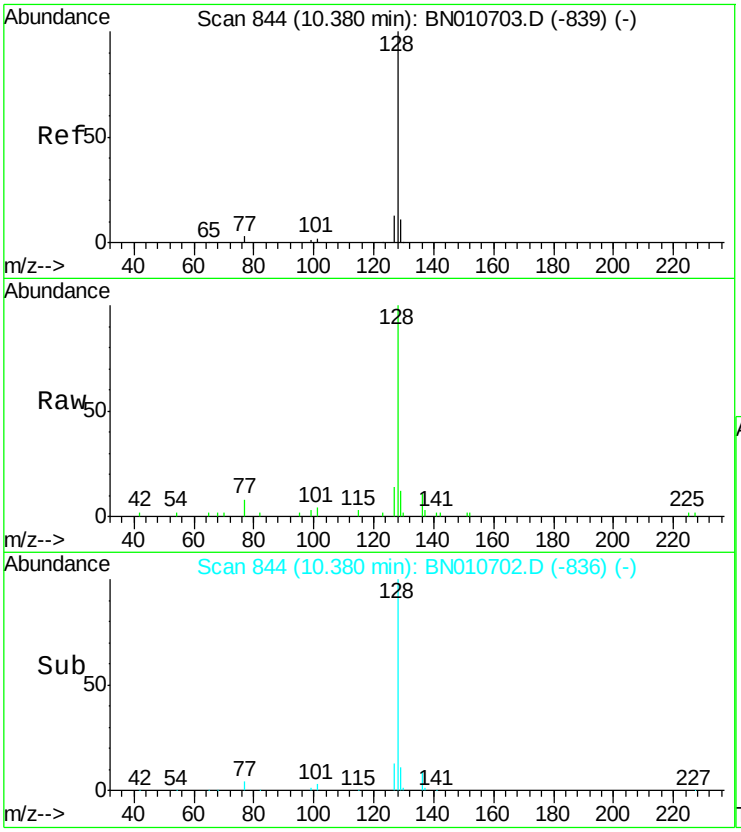


#8
Nitrobenzene-d5
Concen: 0.18 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion: 82 Resp: 1333

Ion	Ratio	Lower	Upper
82	100		
128	48.7	29.0	43.4#
54	37.9	29.3	43.9



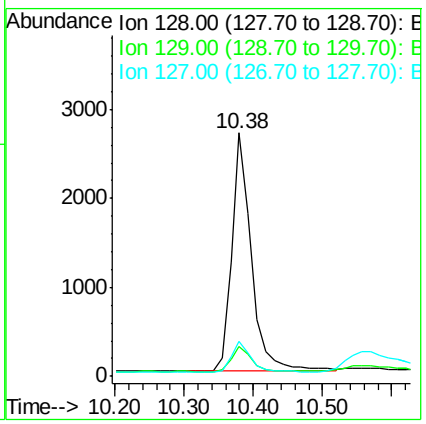


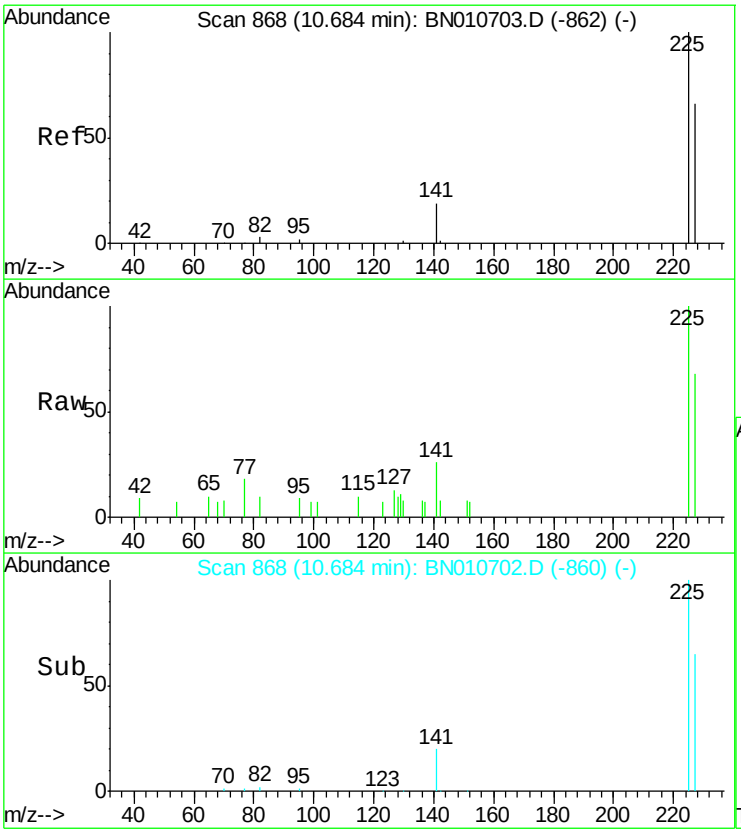
#9
Naphthalene
Concen: 0.21 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 5341

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.3	13.9
127	14.3	11.0	16.6

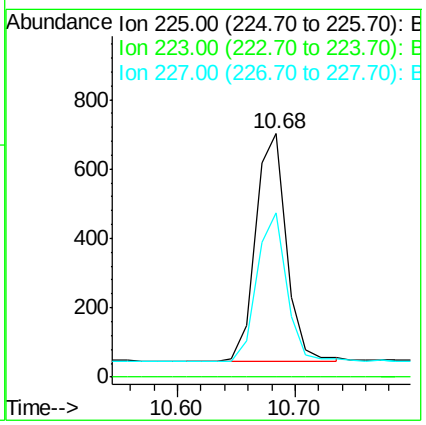


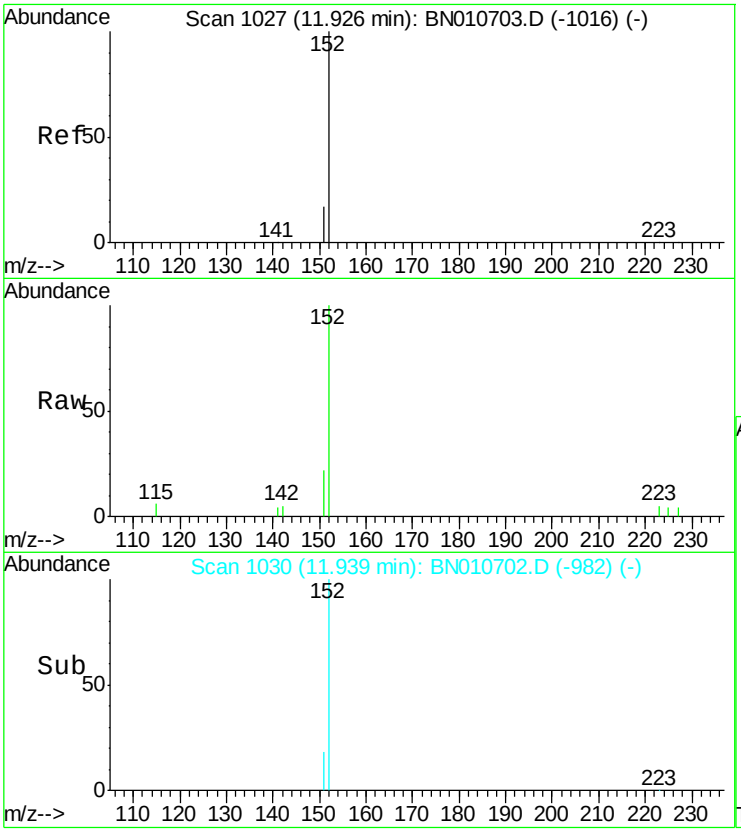


#10
Hexachlorobutadiene
Concen: 0.19 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:225 Resp: 1197

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.7	76.1



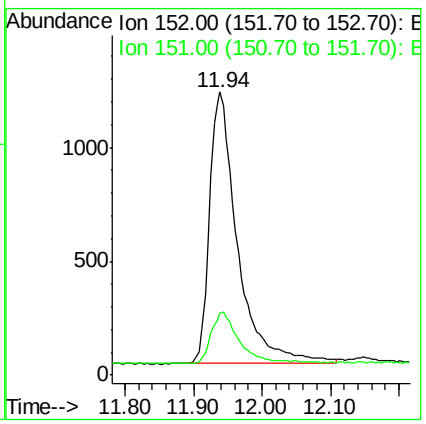


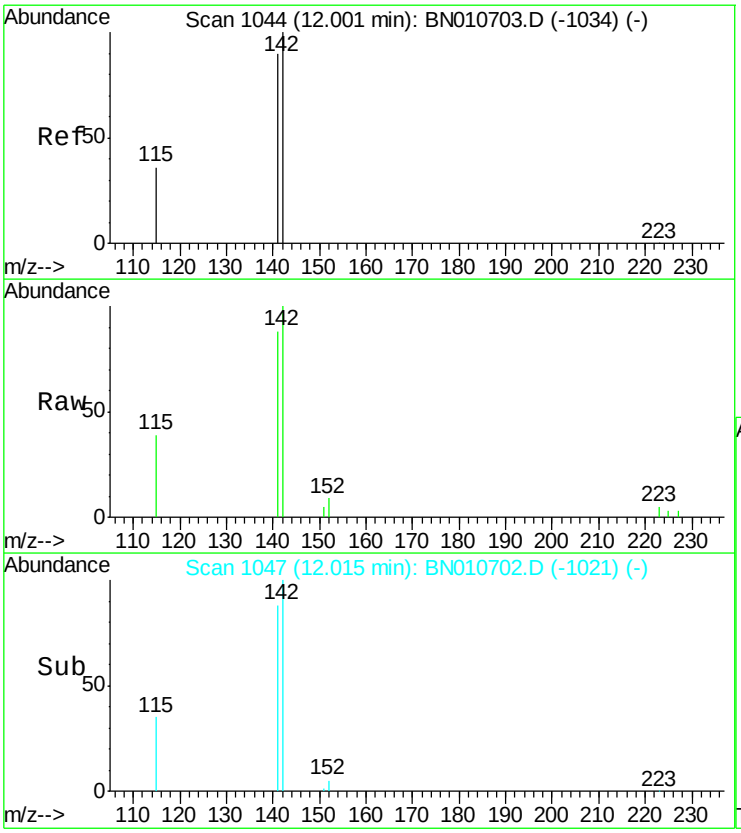
#11
2-Methylnaphthalene-d10
Concen: 0.20 ng
RT: 11.94 min Scan# 1030
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 3384

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.0	22.6

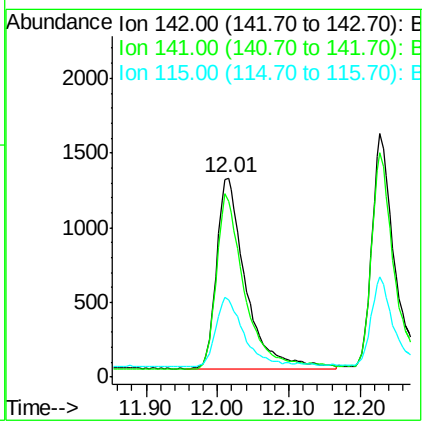


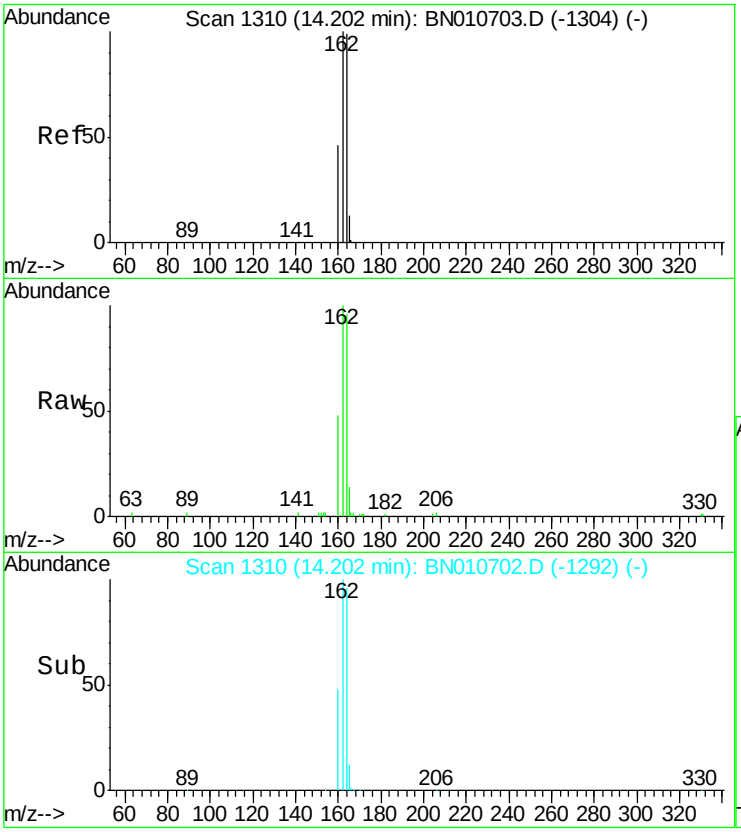


#12
2-Methylnaphthalene
Concen: 0.20 ng
RT: 12.01 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:142 Resp: 3654

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.7	107.5
115	38.9	29.8	44.6



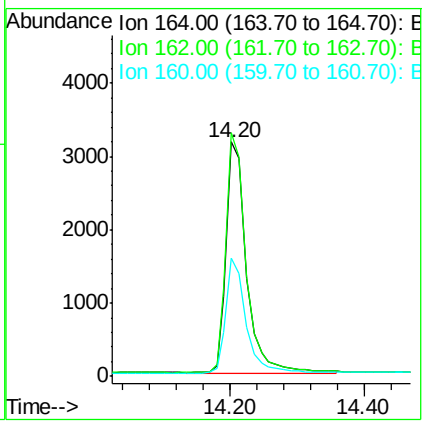


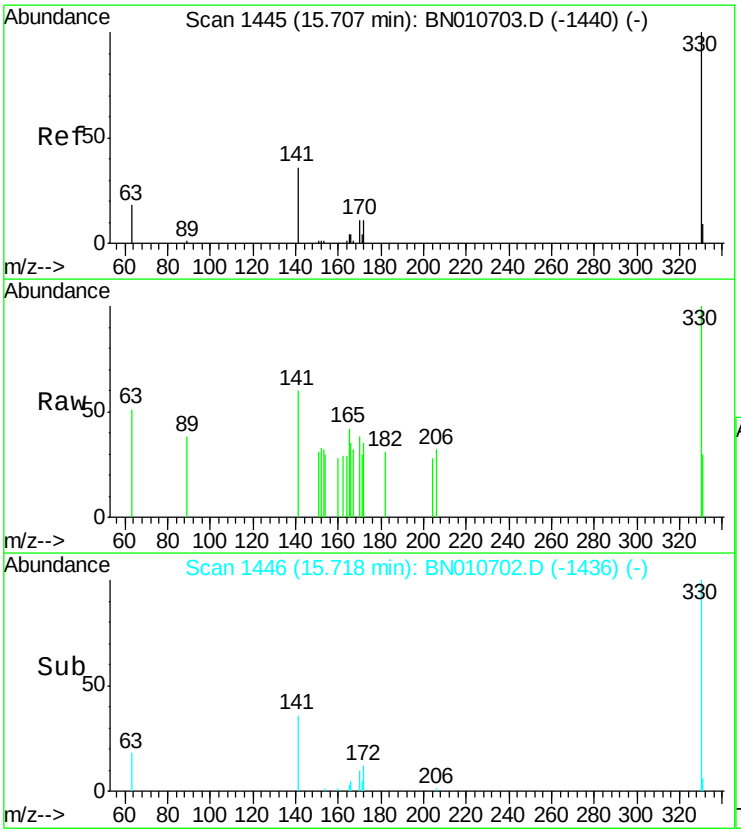
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 6608

Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.1	121.7
160	50.2	37.9	56.9

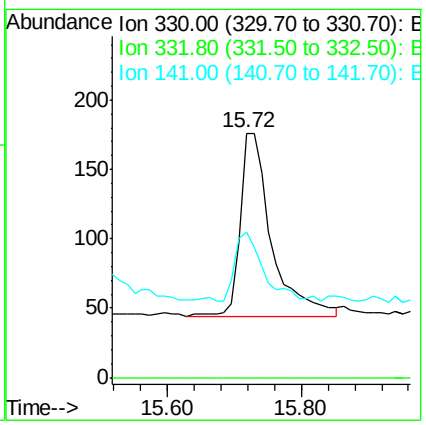


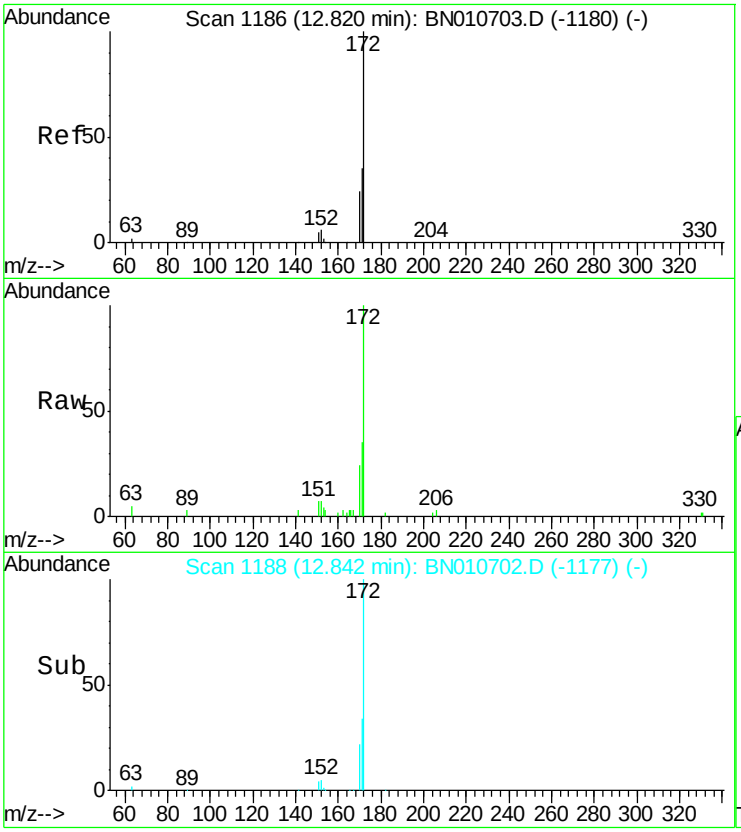


#14
2,4,6-Tribromophenol
Concen: 0.14 ng
RT: 15.72 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:330 Resp: 429

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.6	28.8	43.2



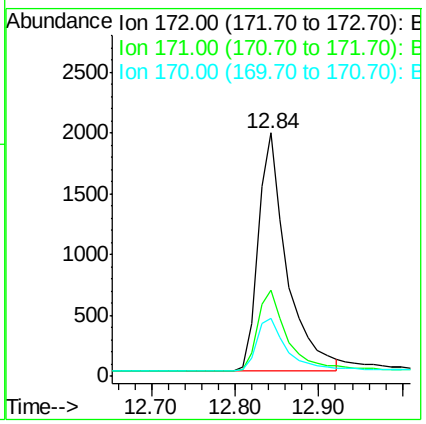


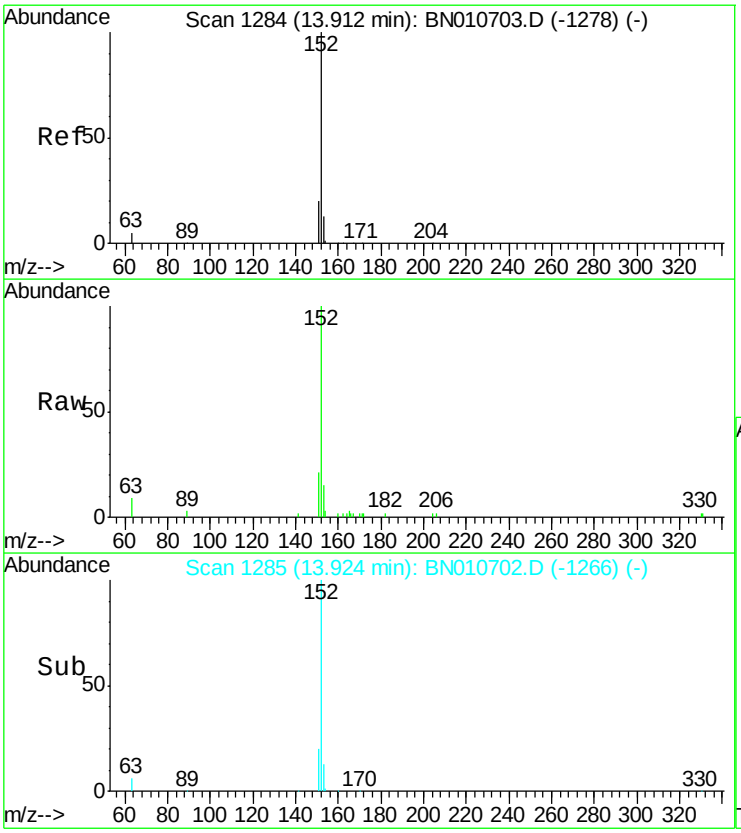
#15
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 12.84 min Scan# 1188
Delta R.T. 0.02 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 4639

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.7	19.8	29.8

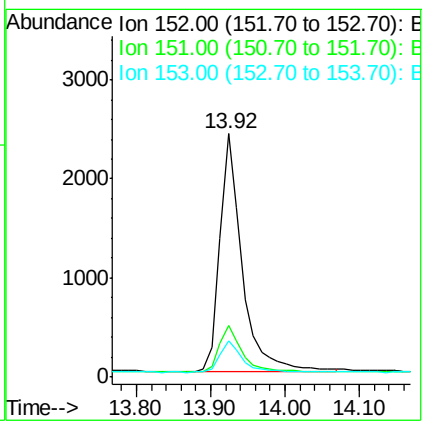


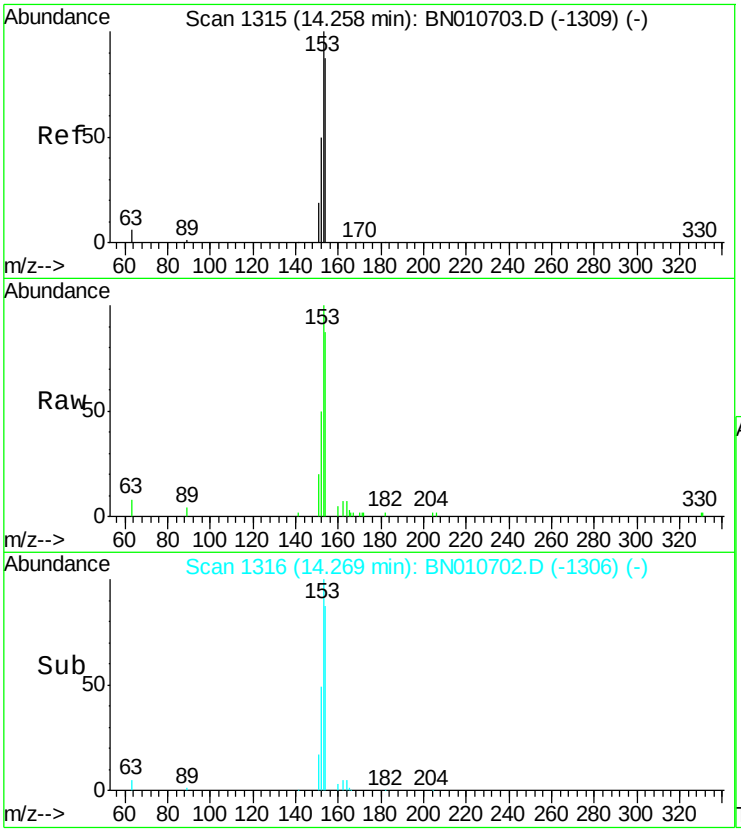


#16
Acenaphthylene
Concen: 0.18 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:152 Resp: 5004

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.6	23.4
153	13.5	10.4	15.6



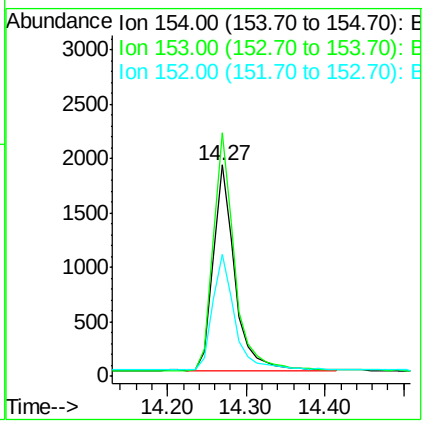


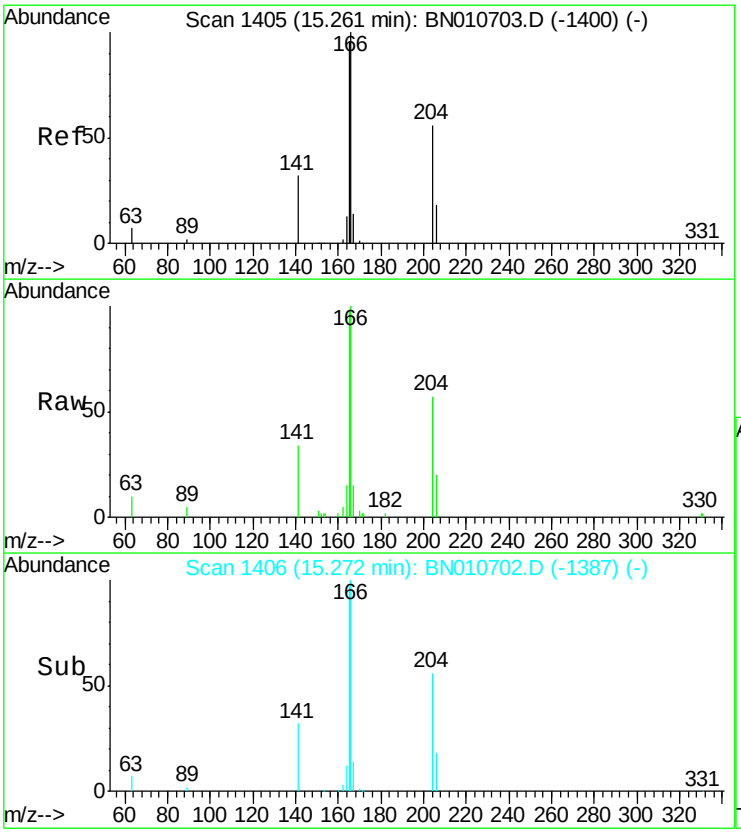
#17
Acenaphthene
Concen: 0.20 ng
RT: 14.27 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 3594

Ion	Ratio	Lower	Upper
154	100		
153	115.4	91.5	137.3
152	57.8	45.6	68.4

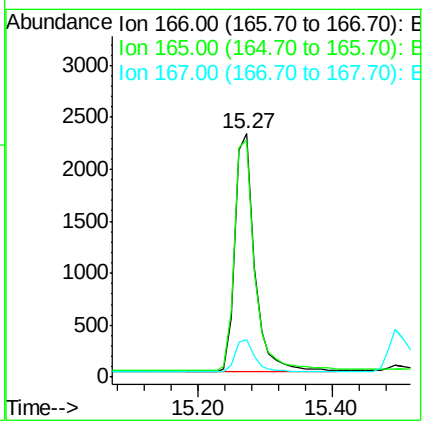


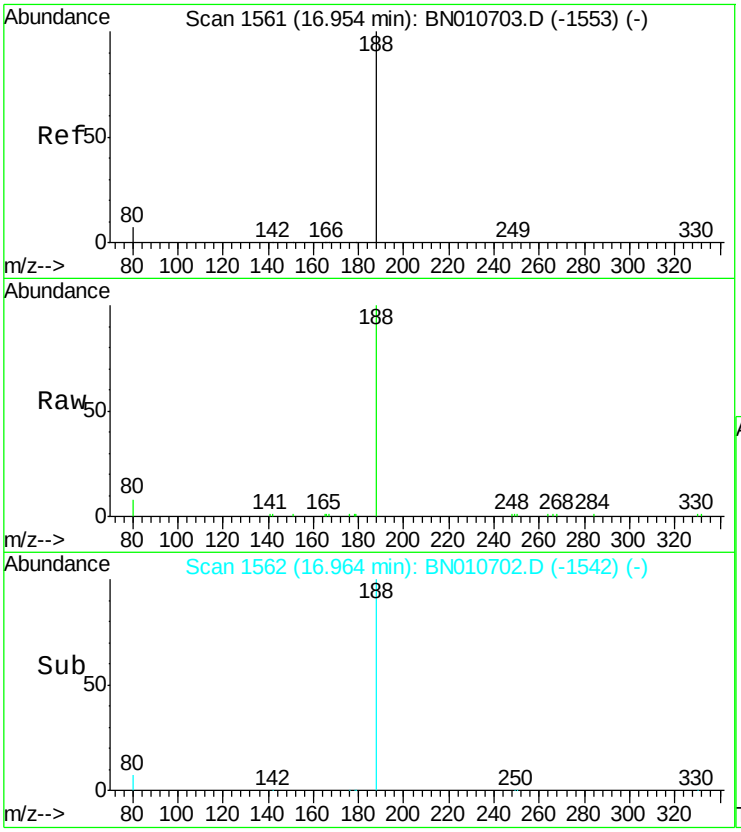


#18
Fluorene
Concen: 0.19 ng
RT: 15.27 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:166 Resp: 4657

Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.9	116.9
167	14.0	11.0	16.4



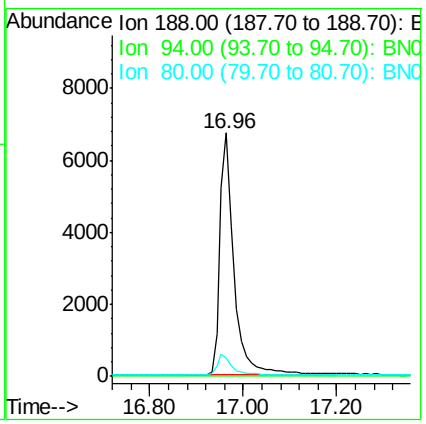


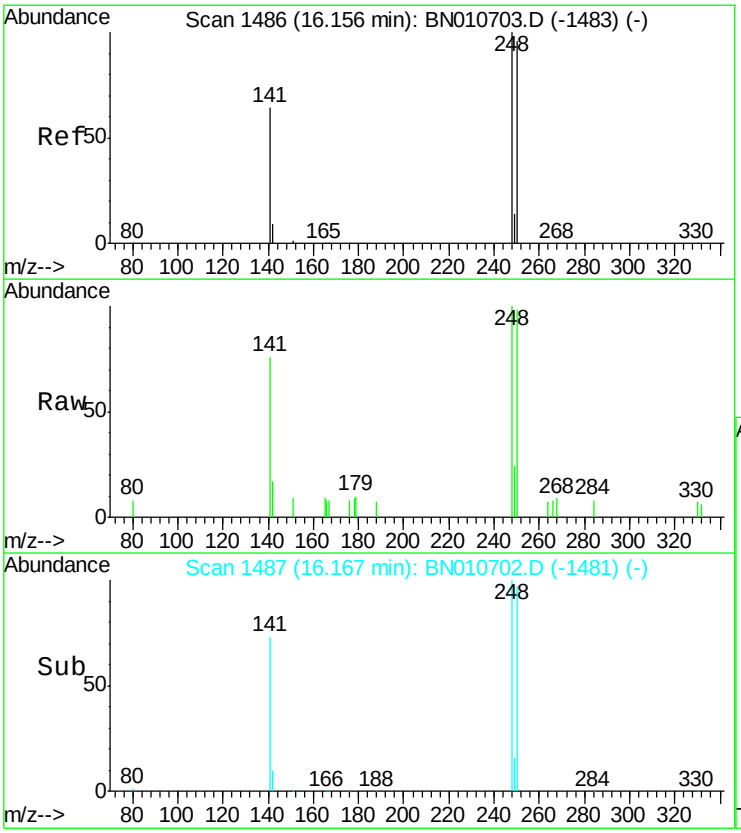
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.96 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 14142

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	6.3	9.5

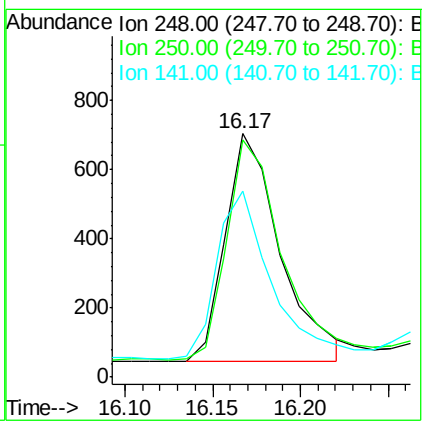


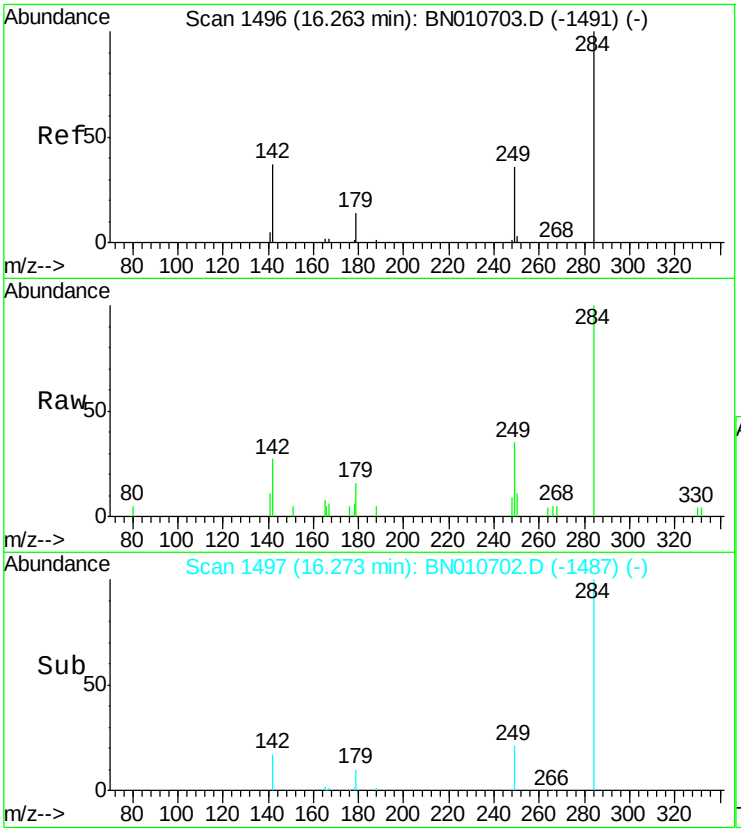


#20
4-Bromophenyl-phenylether
Concen: 0.18 ng
RT: 16.17 min Scan# 1487
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:248 Resp: 1422

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.0
141	76.3	53.1	79.7



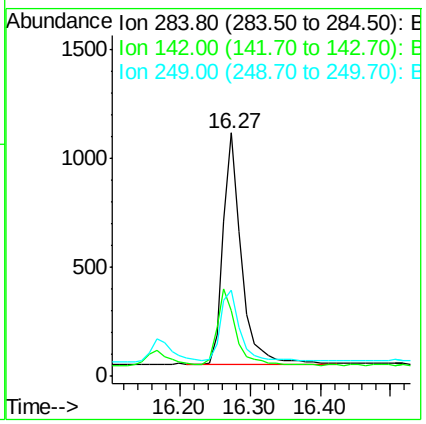


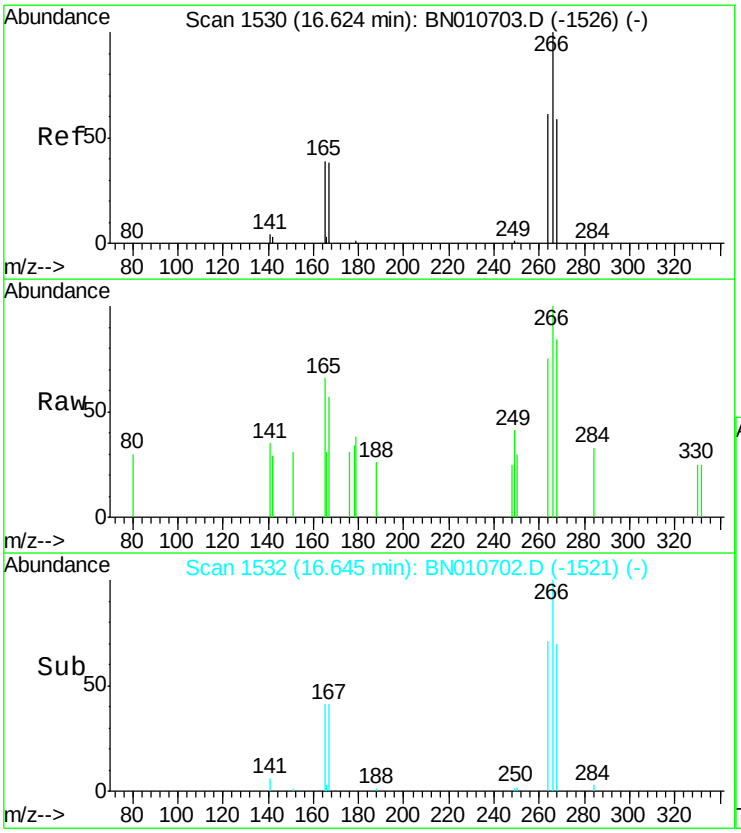
#21
Hexachlorobenzene
Concen: 0.21 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:284 Resp: 1915

Ion	Ratio	Lower	Upper
284	100		
142	32.3	28.2	42.2
249	32.2	26.4	39.6

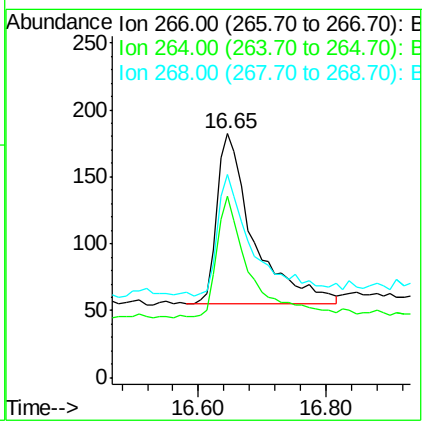


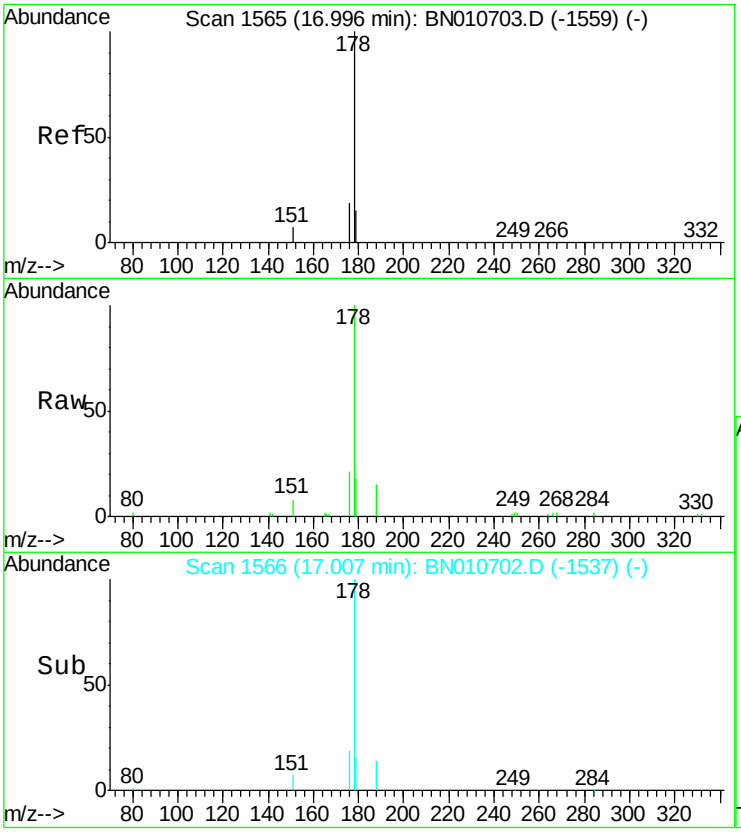


#22
Pentachlorophenol
Concen: 0.14 ng
RT: 16.65 min Scan# 1532
Delta R.T. 0.02 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:266 Resp: 504

Ion	Ratio	Lower	Upper
266	100		
264	74.7	51.1	76.7
268	83.5	52.1	78.1#



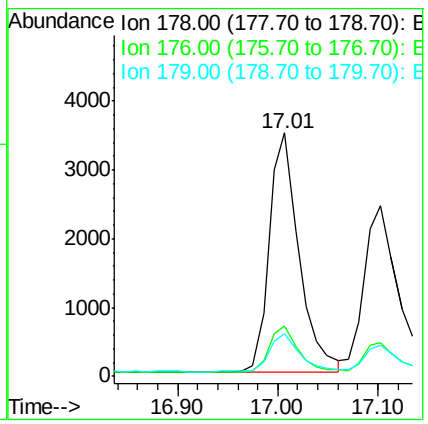


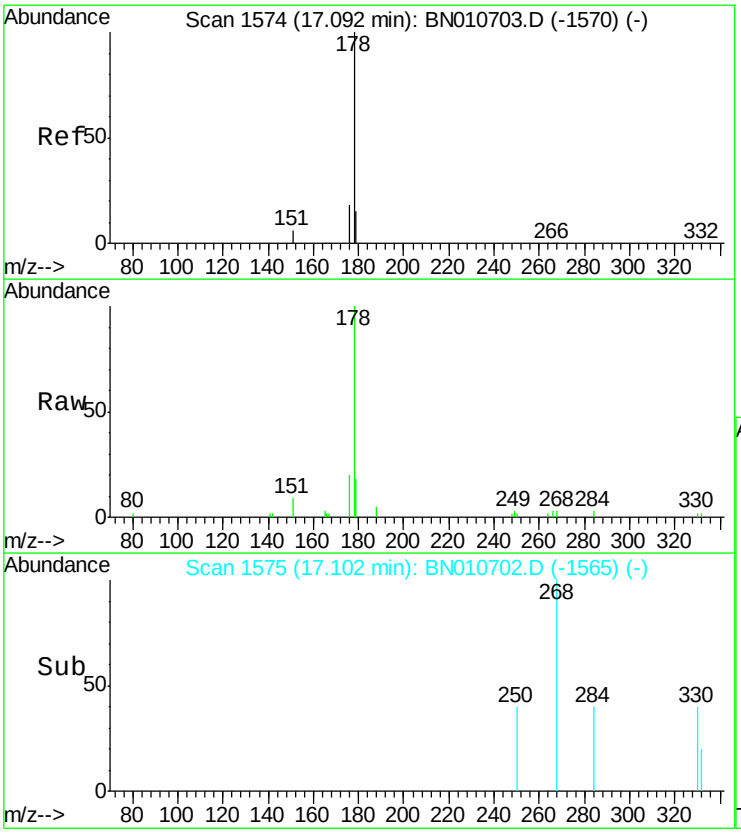
#23
Phenanthrene
Concen: 0.19 ng
RT: 17.01 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 7152

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.9	22.3
179	16.3	12.2	18.4

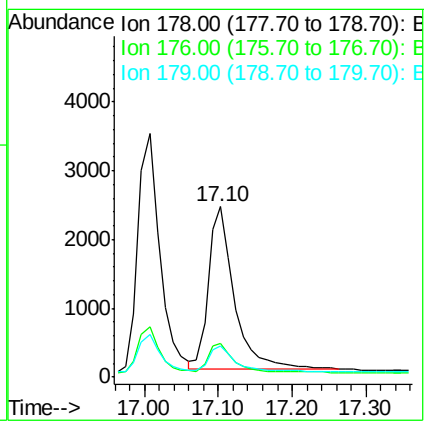


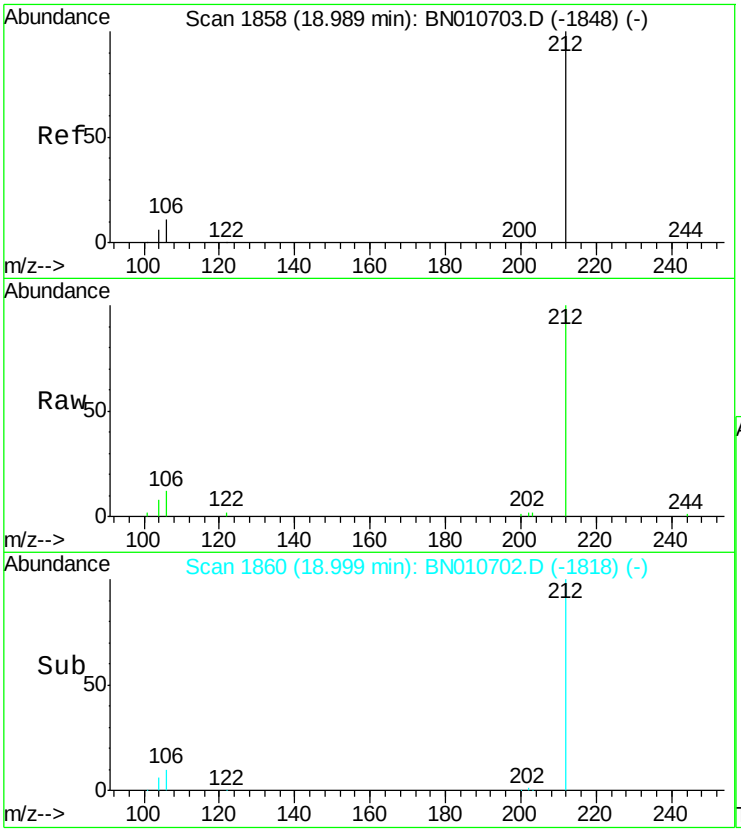


#24
Anthracene
Concen: 0.16 ng
RT: 17.10 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:178 Resp: 5711

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.7	12.3	18.5



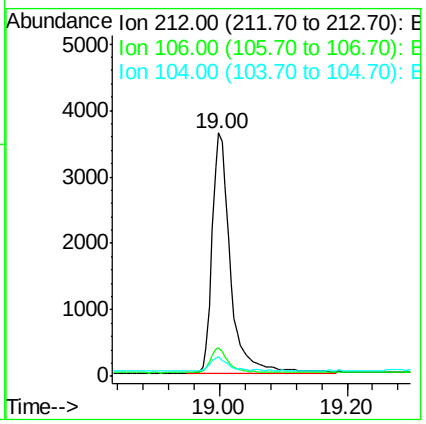


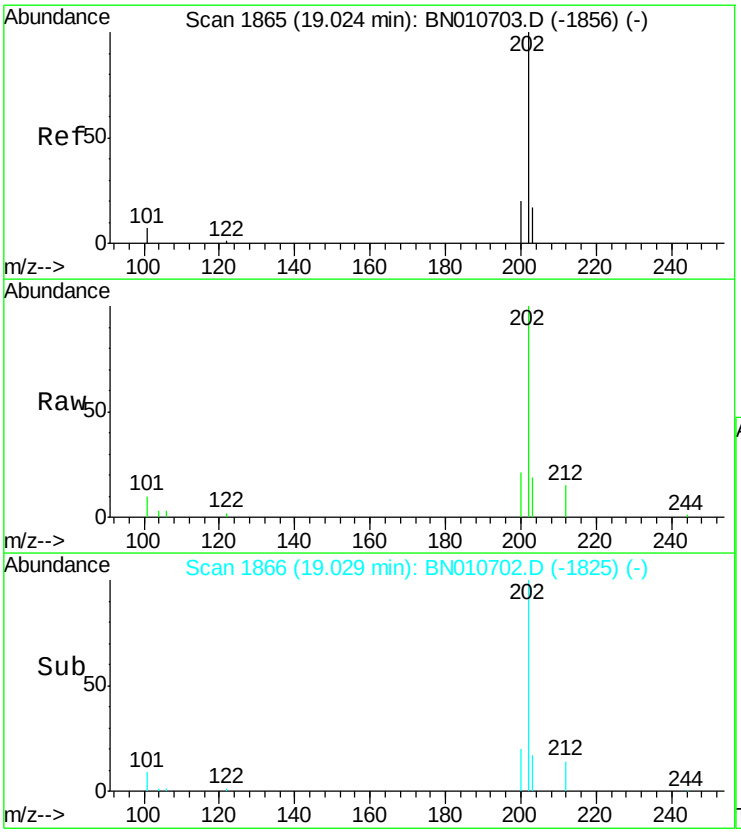
#25
Fluoranthene-d10
Concen: 0.17 ng
RT: 19.00 min Scan# 1860
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 7212

Ion	Ratio	Lower	Upper
212	100		
106	9.7	8.2	12.2
104	5.7	4.7	7.1

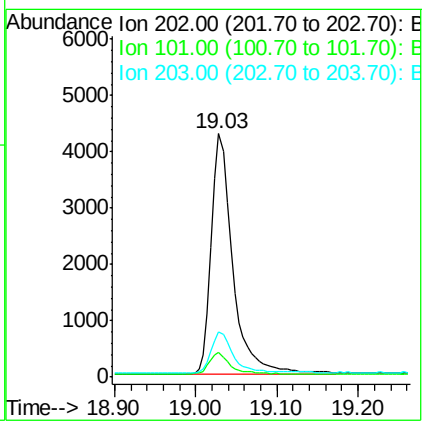


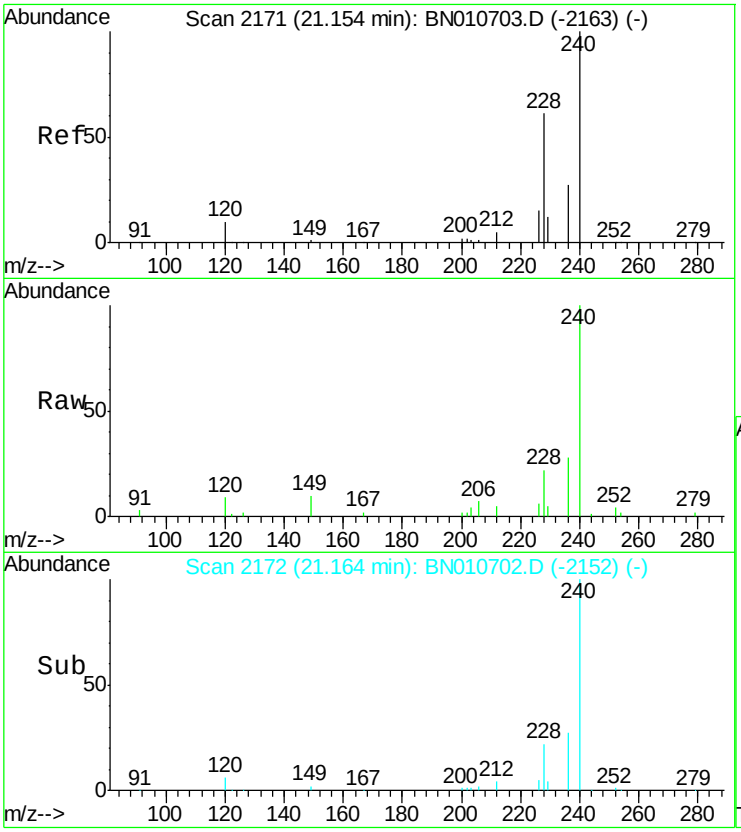


#26
Fluoranthene
Concen: 0.17 ng
RT: 19.03 min Scan# 1866
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:202 Resp: 7914

Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.7	10.1
203	17.0	13.4	20.0



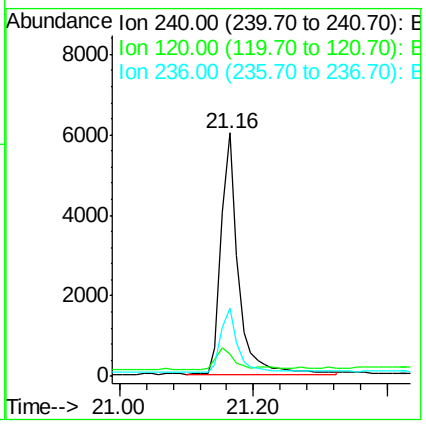


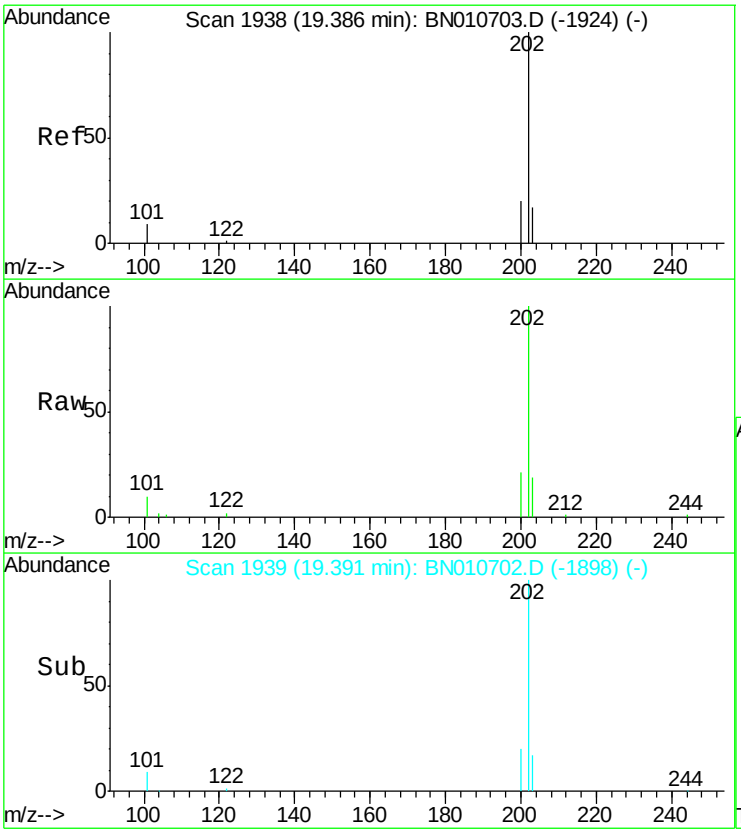
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.16 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 10555

Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	28.0	22.5	33.7

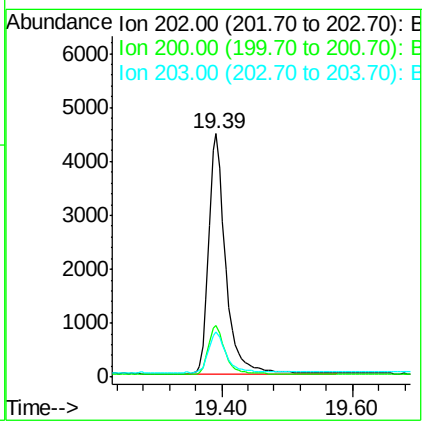


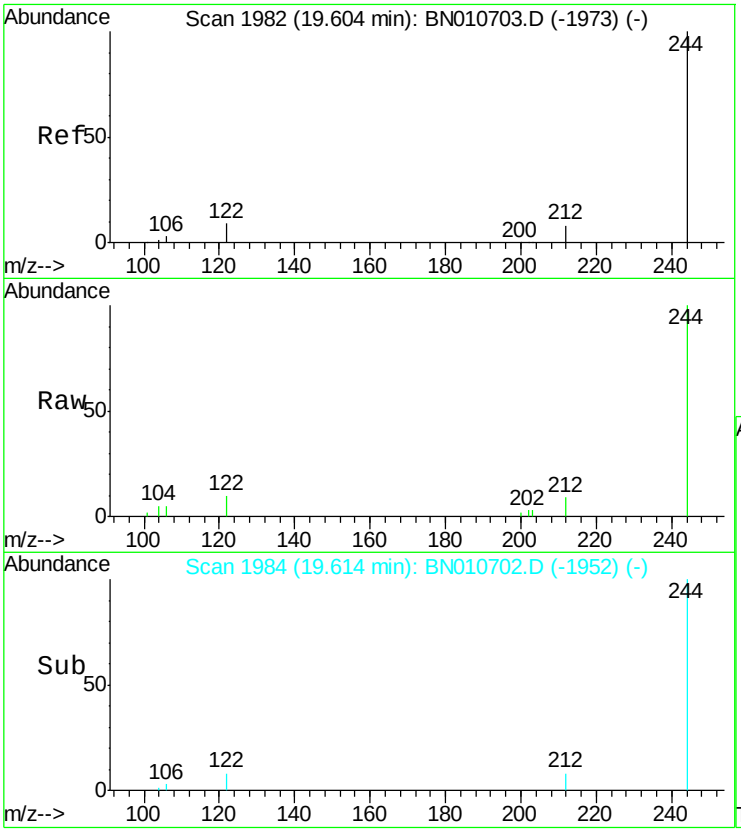


#28
Pyrene
Concen: 0.23 ng
RT: 19.39 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:202 Resp: 7998

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.9	14.1	21.1



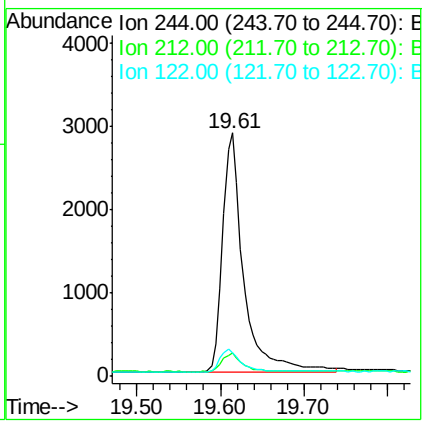


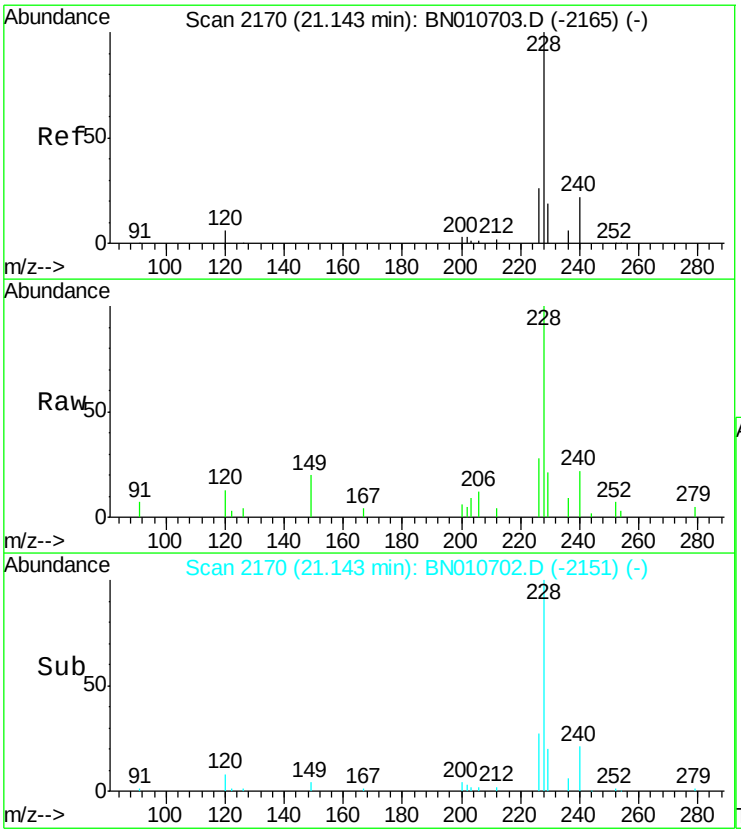
#29
Terphenyl-d14
Concen: 0.21 ng
RT: 19.61 min Scan# 1984
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 5082

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.8	10.2
122	9.7	8.1	12.1

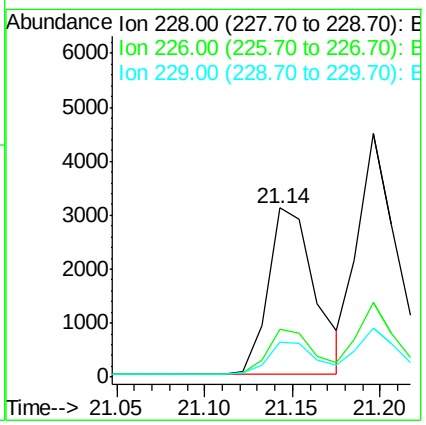


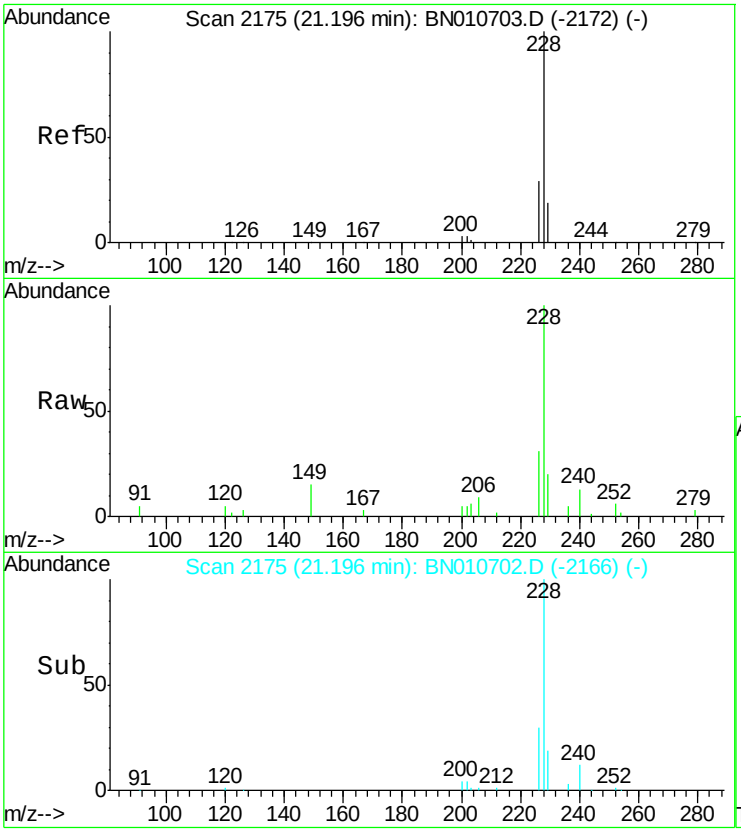


#30
Benzo(a)anthracene
Concen: 0.17 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:228 Resp: 5747

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.3	31.9
229	21.1	16.0	24.0



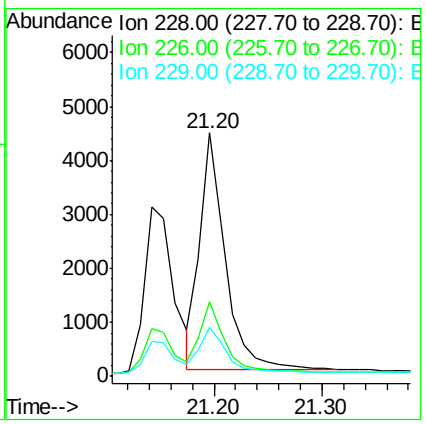


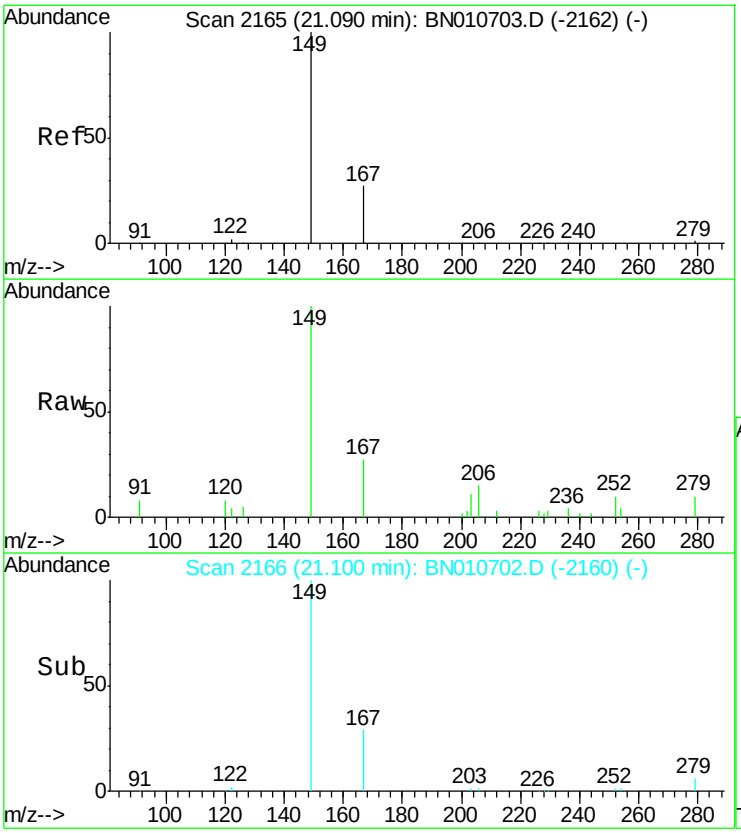
#31
Chrysene
Concen: 0.21 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 7087

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.0
229	20.3	16.1	24.1

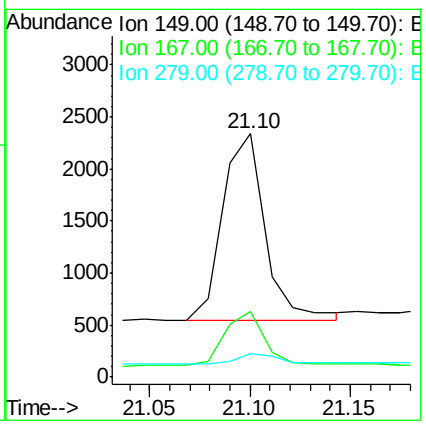


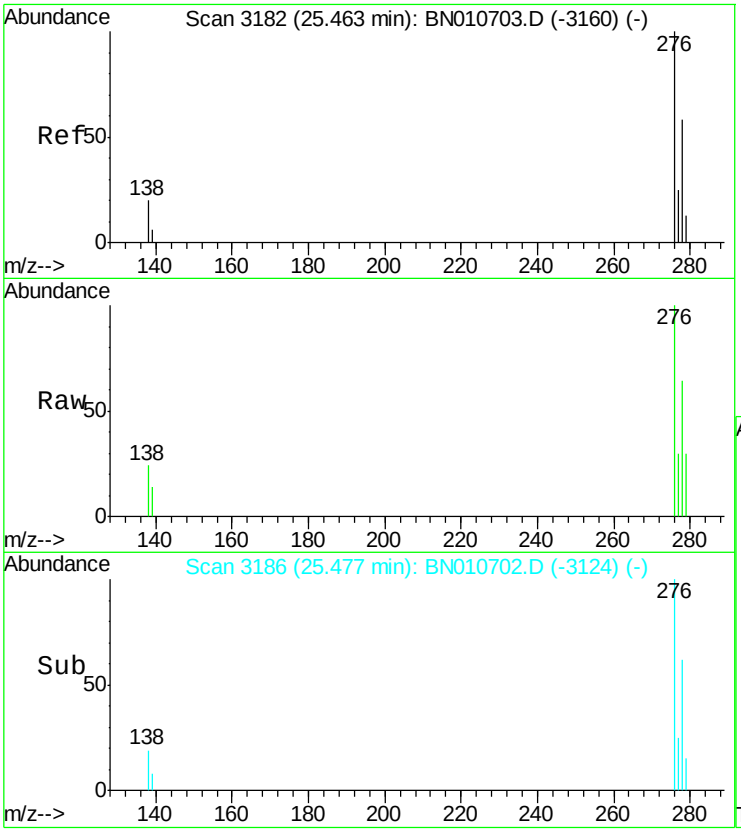


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.15 ng
RT: 21.10 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:149 Resp: 2661

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.5	33.7
279	5.3	4.1	6.1



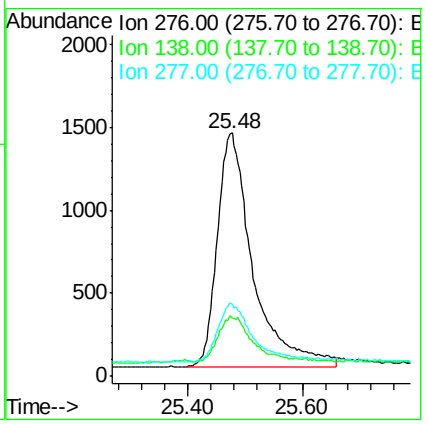


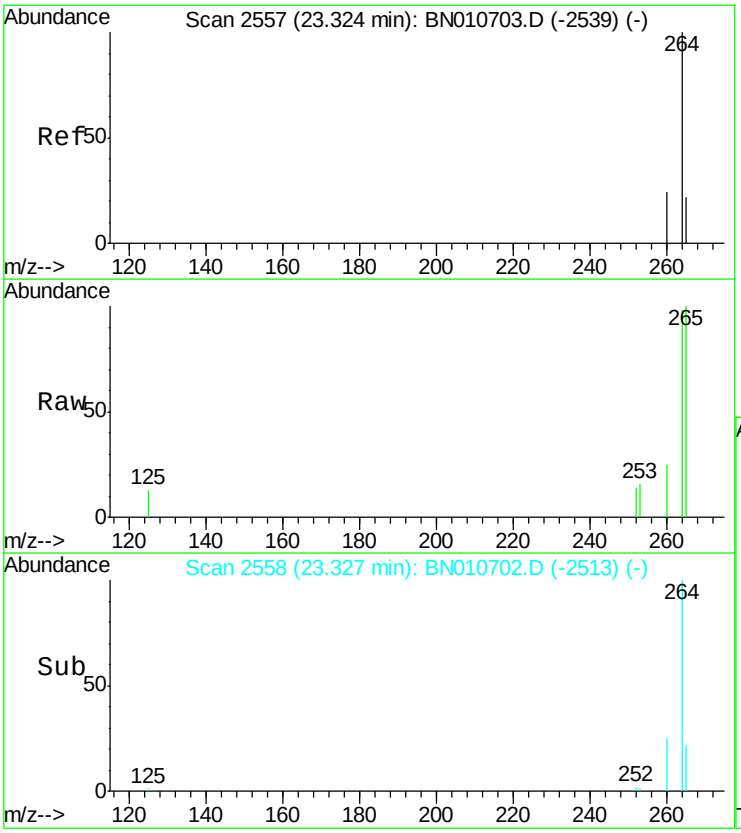
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.20 ng
RT: 25.48 min Scan# 3186
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 6047

Ion	Ratio	Lower	Upper
276	100		
138	18.5	15.1	22.7
277	23.4	19.4	29.0

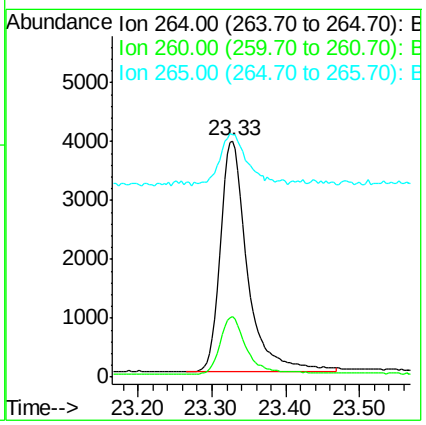


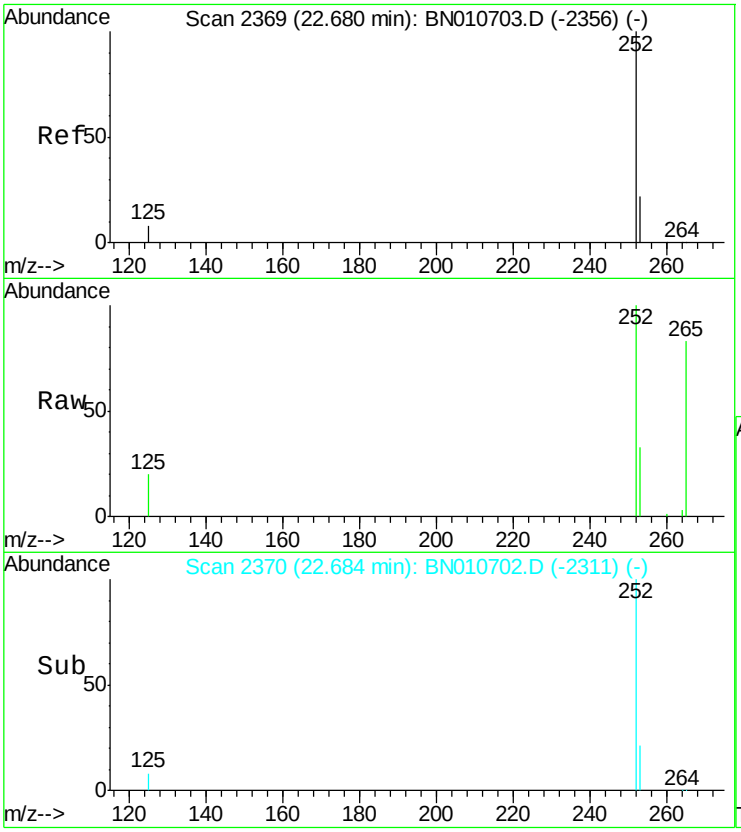


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.33 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:264 Resp: 9933

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.6	29.4
265	102.3	70.1	105.1



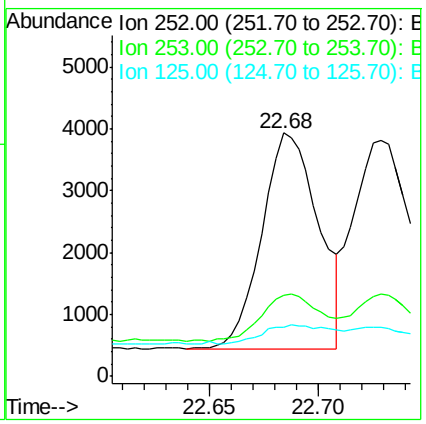


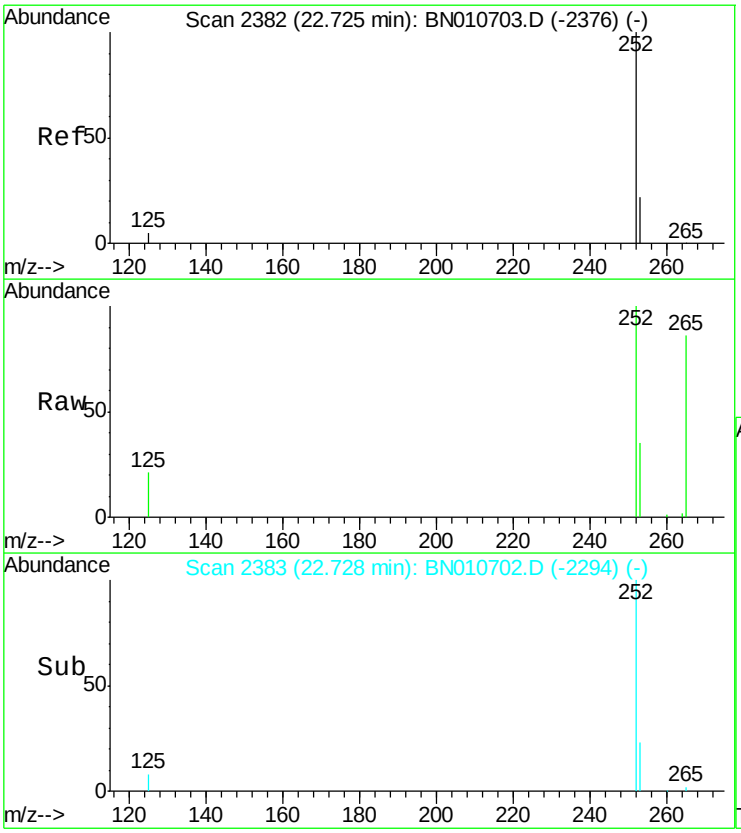
#35
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 22.68 min Scan# 2370
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 6286

Ion	Ratio	Lower	Upper
252	100		
253	33.3	22.0	33.0#
125	20.2	10.8	16.2#

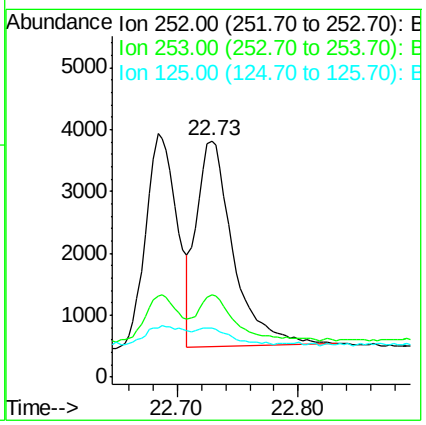


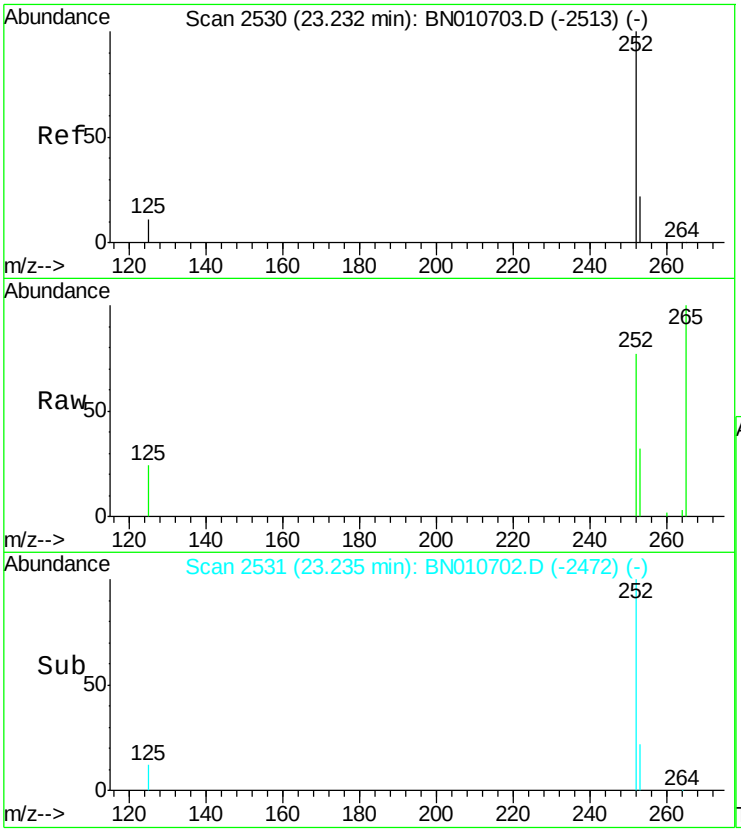


#36
Benzo(k)fluoranthene
Concen: 0.21 ng
RT: 22.73 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:252 Resp: 7035

Ion	Ratio	Lower	Upper
252	100		
253	34.9	21.9	32.9#
125	20.9	11.1	16.7#



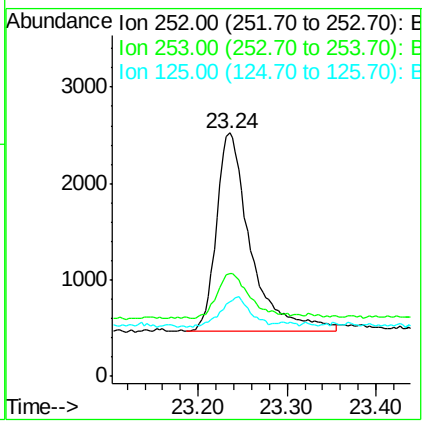


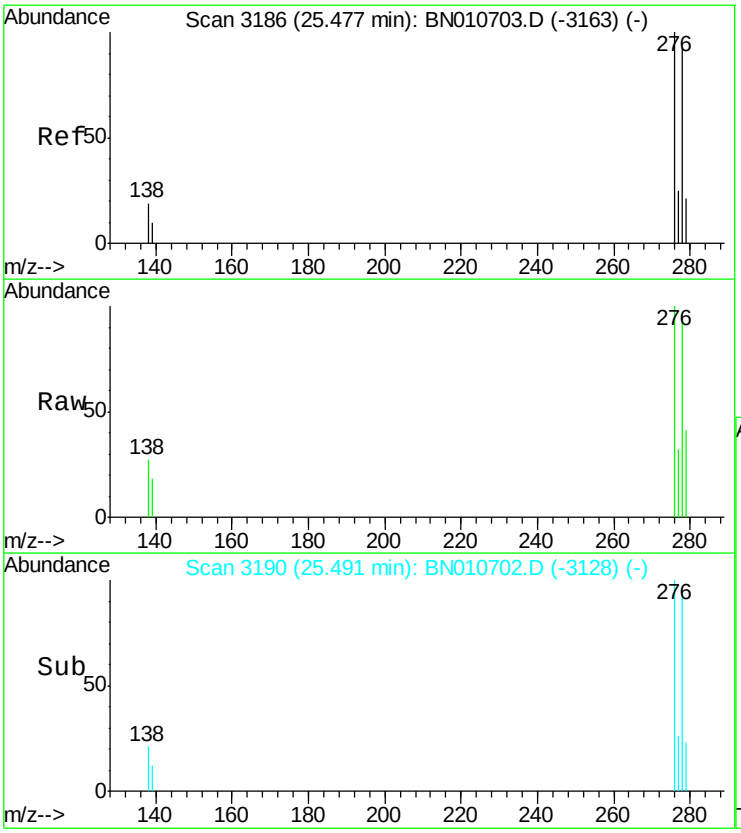
#37
Benzo(a)pyrene
Concen: 0.19 ng
RT: 23.24 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 5452

Ion	Ratio	Lower	Upper
252	100		
253	42.1	24.8	37.2#
125	30.7	15.8	23.6#

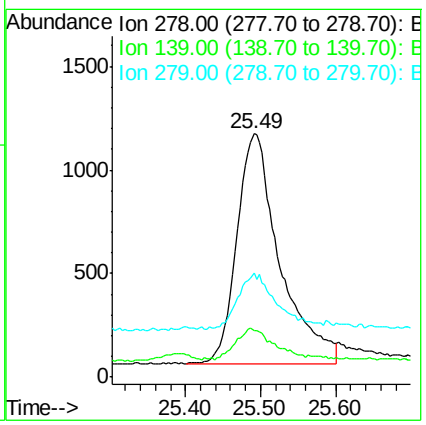


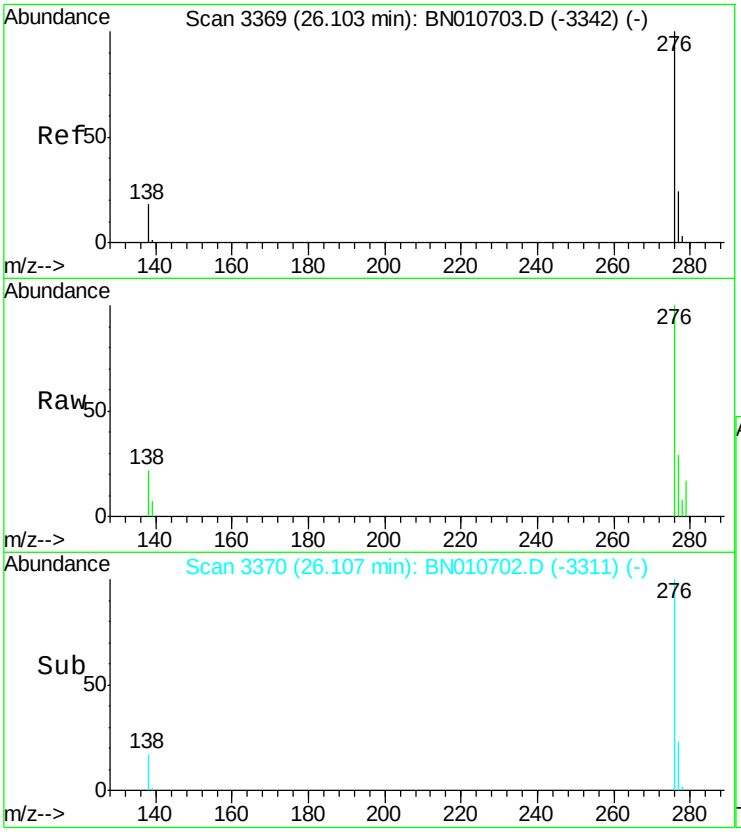


#38
Dibenzo(a,h)anthracene
Concen: 0.16 ng
RT: 25.49 min Scan# 3190
Delta R.T. 0.01 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Tgt Ion:278 Resp: 4302

Ion	Ratio	Lower	Upper
278	100		
139	18.9	13.0	19.4
279	42.5	25.1	37.7#





#39
Benzo(g,h,i)perylene
Concen: 0.21 ng
RT: 26.11 min Scan# 3370
Delta R.T. 0.00 min
Lab File: BN010702.D
Acq: 13 May 2020 10:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 5703

Ion	Ratio	Lower	Upper
276	100		
277	28.8	20.6	30.8
138	22.1	16.0	24.0