Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051320\
Data File : BN010706.D
Acq On : 13 May 2020 13:09
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC3.2

Quant Time: May 13 13:43:17 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	7.57	152	3307	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	12096	0.40	ng		0.00
13) Acenaphthene-d10	14.19	164	7676	0.40	ng		-0.01
19) Phenanthrene-d10	16.94	188	16260	0.40	ng		-0.01
27) Chrysene-d12	21.15	240	15037	0.40	ng		0.00
34) Perylene-d12	23.32	264	13256	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	20503	2.83	ng		0.00
5) Phenol-d6	6.77	99	26650	2.82	ng		0.00
8) Nitrobenzene-d5	8.71	82	28331	3.35	ng		0.00
11) 2-Methylnaphthalene-d10	11.92	152	64757	3.26	ng		0.00
14) 2,4,6-Tribromophenol	15.70	330	10312	2.85	ng		-0.01
15) 2-Fluorobiphenyl	12.82	172	91395	3.27	ng		0.00
25) Fluoranthene-d10	18.98	212	151951	3.08	ng		0.00
29) Terphenyl-d14	19.60	244	112914	3.28	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	8976	3.69	ng		98
3) n-Nitrosodimethylamine	3.53	42	5881	3.73	ng	#	98
6) bis(2-Chloroethyl)ether	7.02	93	25732	3.14	ng		97
9) Naphthalene	10.38	128	97726	3.25	ng		98
10) Hexachlorobutadiene	10.68	225	21850	3.02	ng	#	99
12) 2-Methylnaphthalene	12.00	142	71029	3.29	ng		98
16) Acenaphthylene	13.91	152	109702	3.31	ng		100
17) Acenaphthene	14.26	154	69081	3.24	ng		99
18) Fluorene	15.25	166	92306	3.31	ng		100
20) 4-Bromophenyl-phenylether	16.15	248	31314	3.47	ng		97
21) Hexachlorobenzene	16.26	284	34044	3.30	ng		99
22) Pentachlorophenol	16.61	266	11821	2.91	ng		98
23) Phenanthrene	16.99	178	148355	3.38	ng		100
24) Anthracene	17.08	178	131505	3.28	ng		100
26) Fluoranthene	19.01	202	172064	3.15	ng		99
28) Pyrene	19.38	202	167779	3.31	ng		100
30) Benzo(a)anthracene	21.13	228	149061	3.04	ng		98
31) Chrysene	21.19	228	153743	3.15	ng		98
32) Bis(2-ethylhexyl)phthalate	21.09	149	62147	2.47	ng		99
33) Indeno(1,2,3-cd)pyrene	25.45	276	141997	3.29	ng		97
35) Benzo(b)fluoranthene	22.68	252	146914	3.37	ng	#	89
36) Benzo(k)fluoranthene	22.72	252	150904	3.45	ng	#	89
37) Benzo(a)pyrene	23.22	252	125649	3.25	ng	#	82
38) Dibenzo(a,h)anthracene	25.46	278	110932	3.14	ng	#	89
39) Benzo(g,h,i)perylene	26.09	276	120957	3.40	ng		97

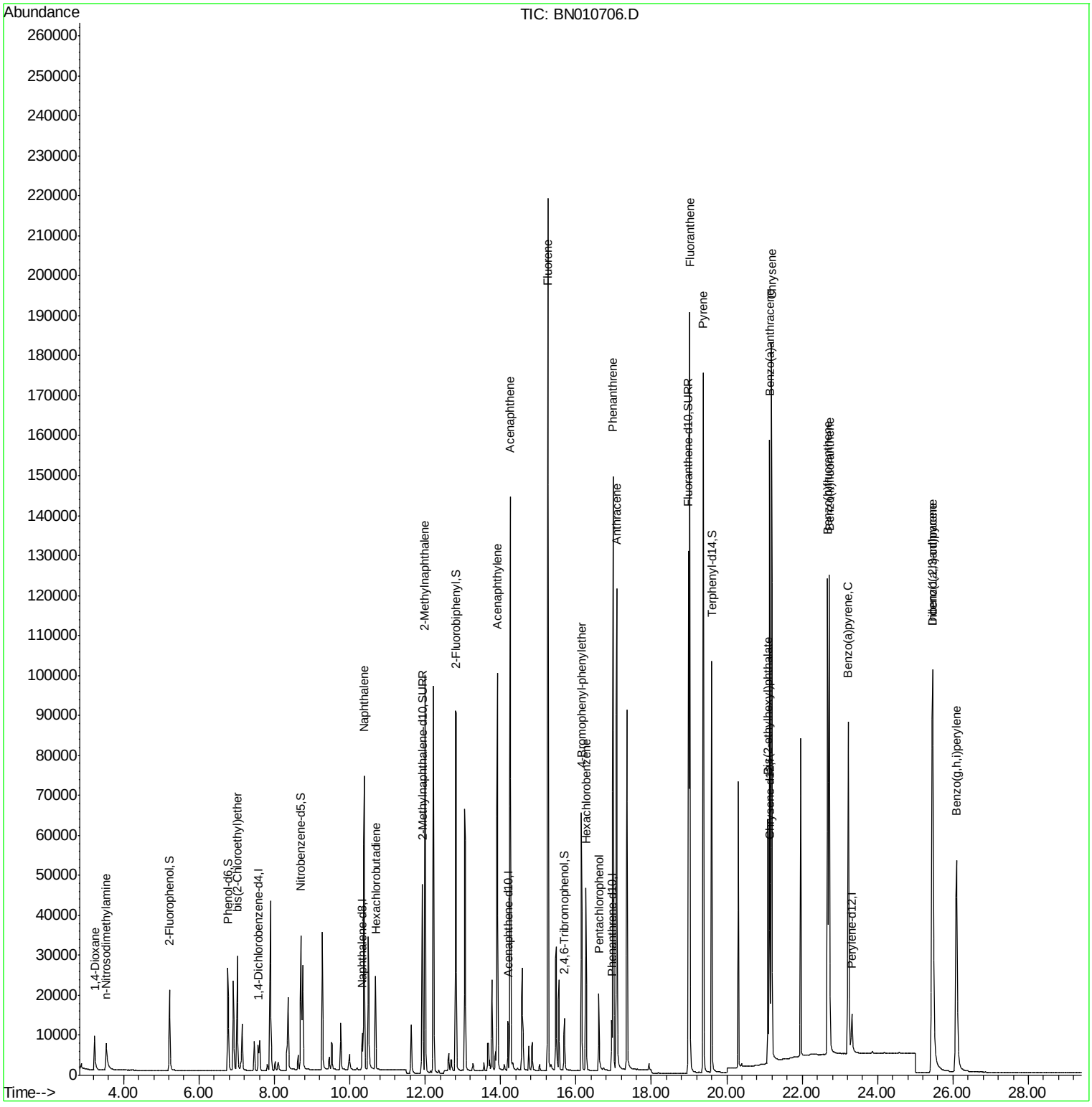
(#) = qualifier out of range (m) = manual integration (+) = signals summed

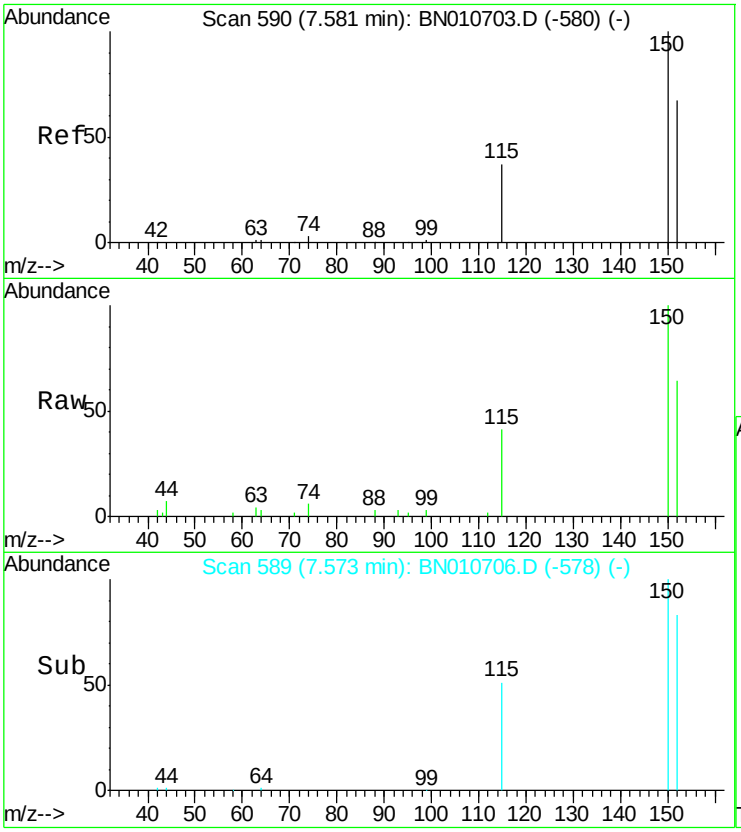
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051320\
Data File : BN010706.D
Acq On : 13 May 2020 13:09
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: May 13 13:43:17 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



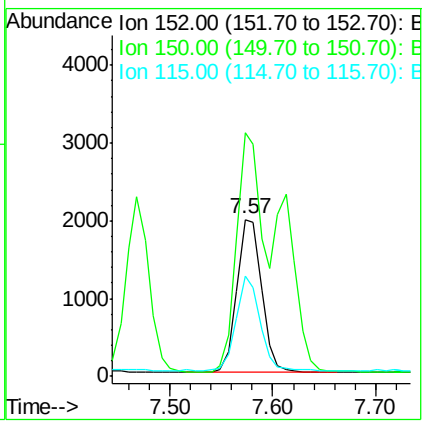


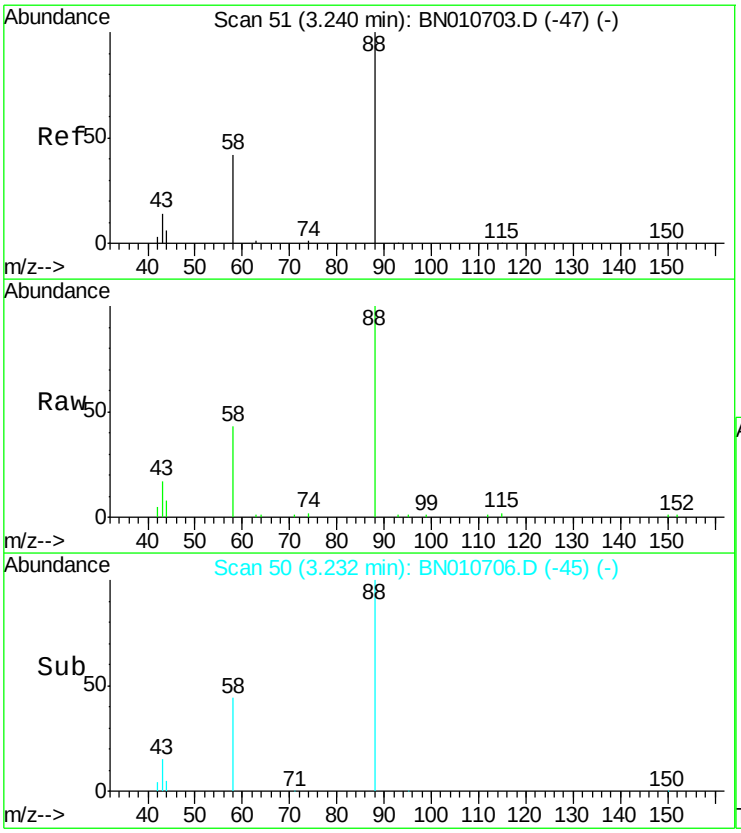
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.57 min Scan# 589
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 3307

Ion	Ratio	Lower	Upper
152	100		
150	155.4	119.4	179.0
115	63.8	45.9	68.9

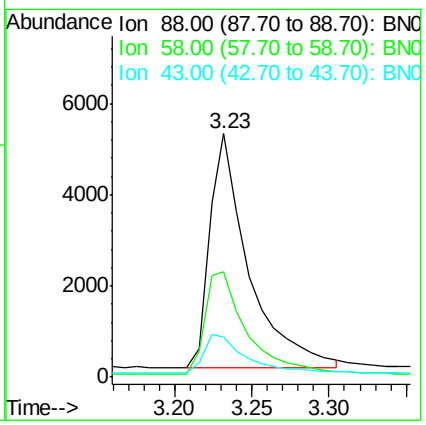


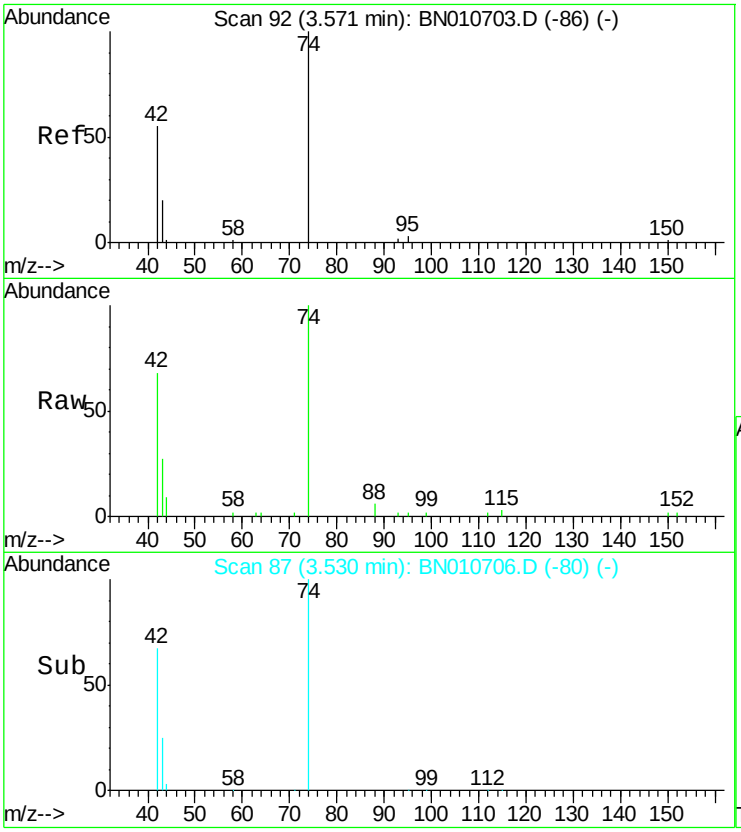


#2
1,4-Dioxane
Concen: 3.69 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion: 88 Resp: 8976

Ion	Ratio	Lower	Upper
88	100		
58	47.3	39.0	58.6
43	17.3	13.1	19.7



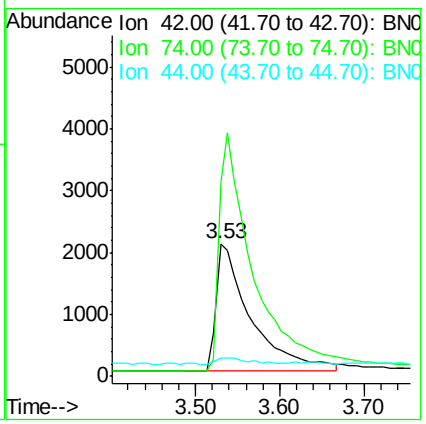


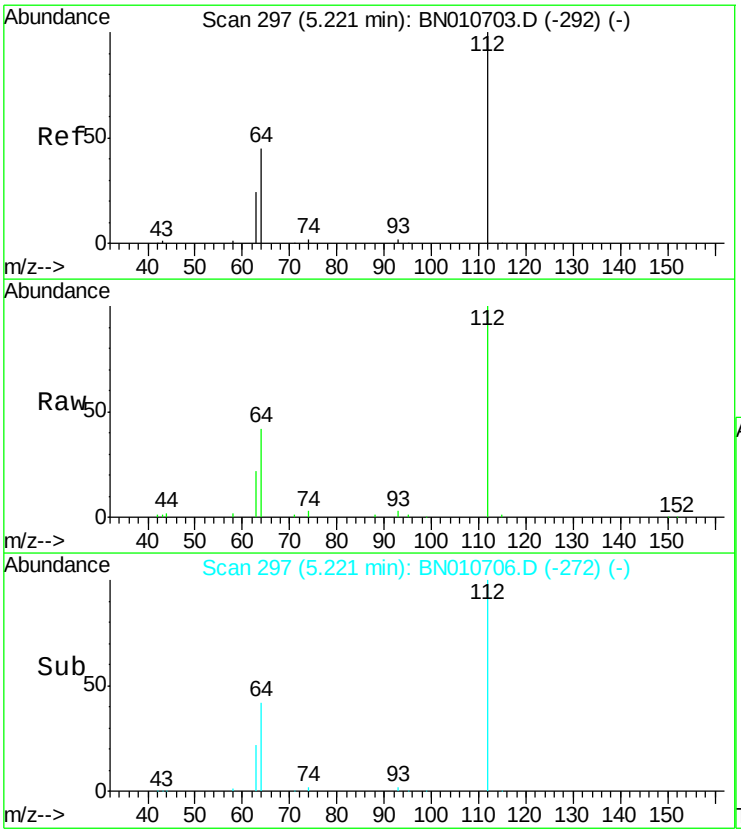
#3
n-Nitrosodimethylamine
Concen: 3.73 ng
RT: 3.53 min Scan# 87
Delta R.T. -0.04 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 5881

Ion	Ratio	Lower	Upper
42	100		
74	185.0	146.2	219.2
44	5.1	3.0	4.4#

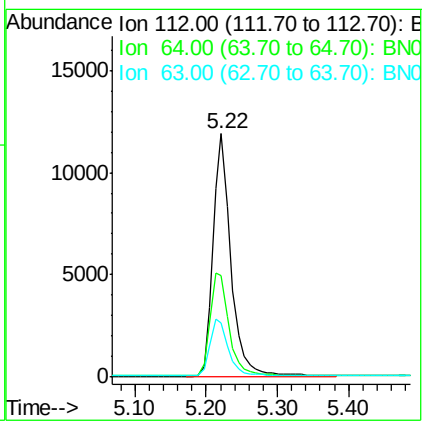


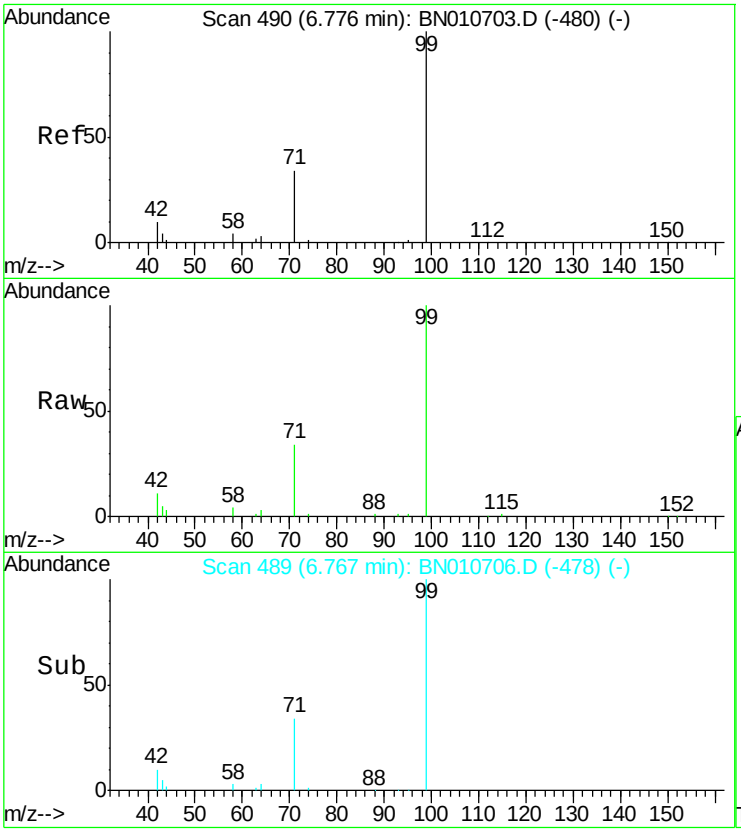


#4
2-Fluorophenol
Concen: 2.83 ng
RT: 5.22 min Scan# 297
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:112 Resp: 20503

Ion	Ratio	Lower	Upper
112	100		
64	45.6	36.2	54.4
63	24.6	19.8	29.8



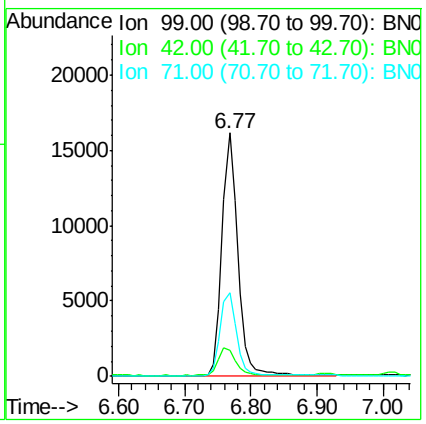


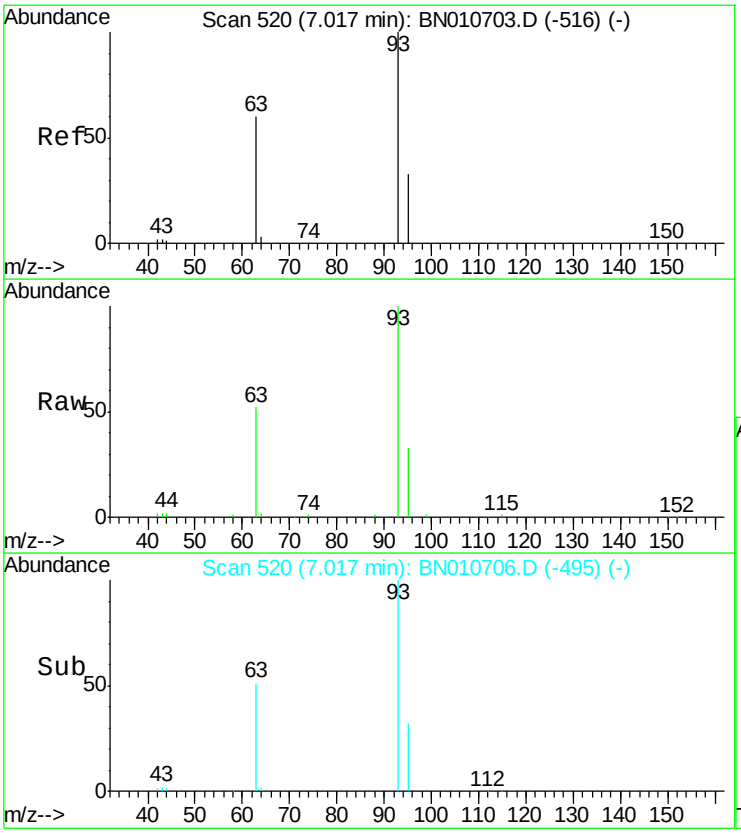
#5
Phenol-d6
Concen: 2.82 ng
RT: 6.77 min Scan# 489
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 26650

Ion	Ratio	Lower	Upper
99	100		
42	12.6	9.8	14.8
71	35.7	28.6	42.8

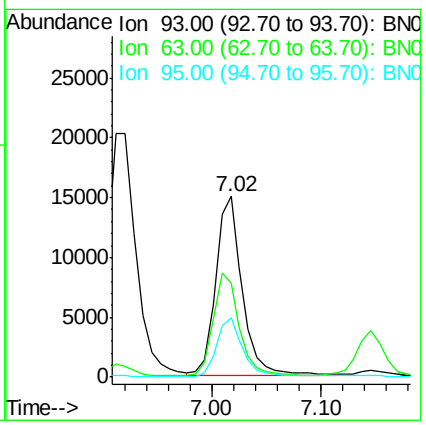


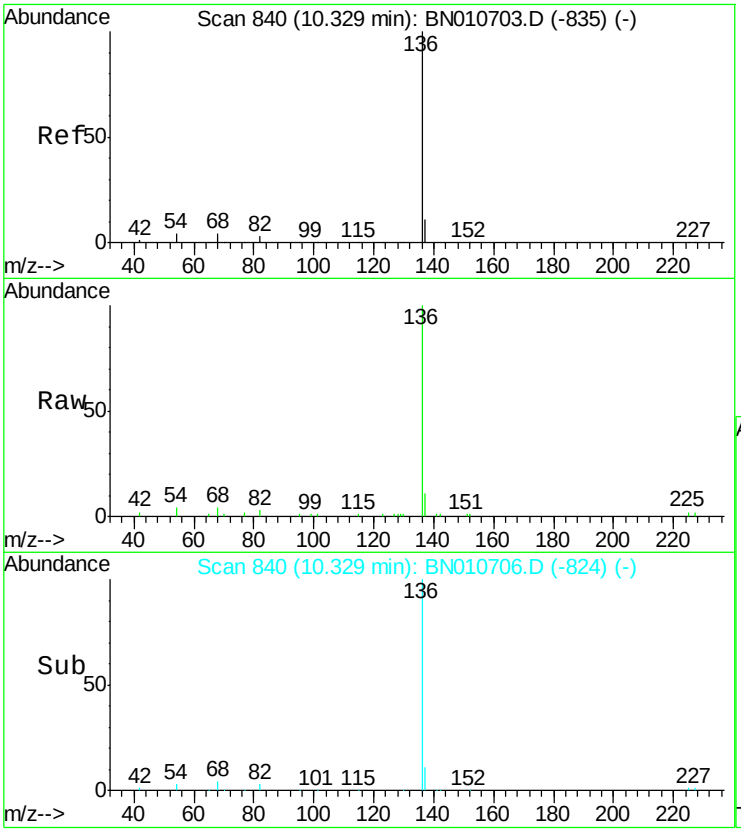


#6
bis(2-Chloroethyl)ether
Concen: 3.14 ng
RT: 7.02 min Scan# 520
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion: 93 Resp: 25732

Ion	Ratio	Lower	Upper
93	100		
63	56.3	43.1	64.7
95	31.6	24.6	37.0



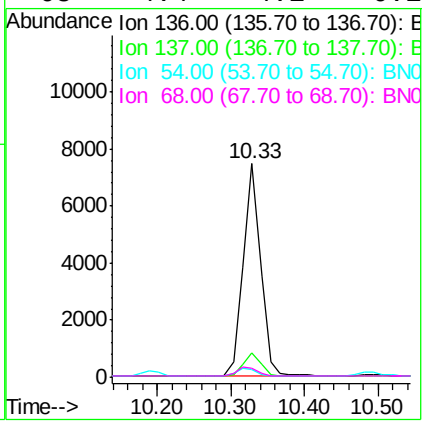


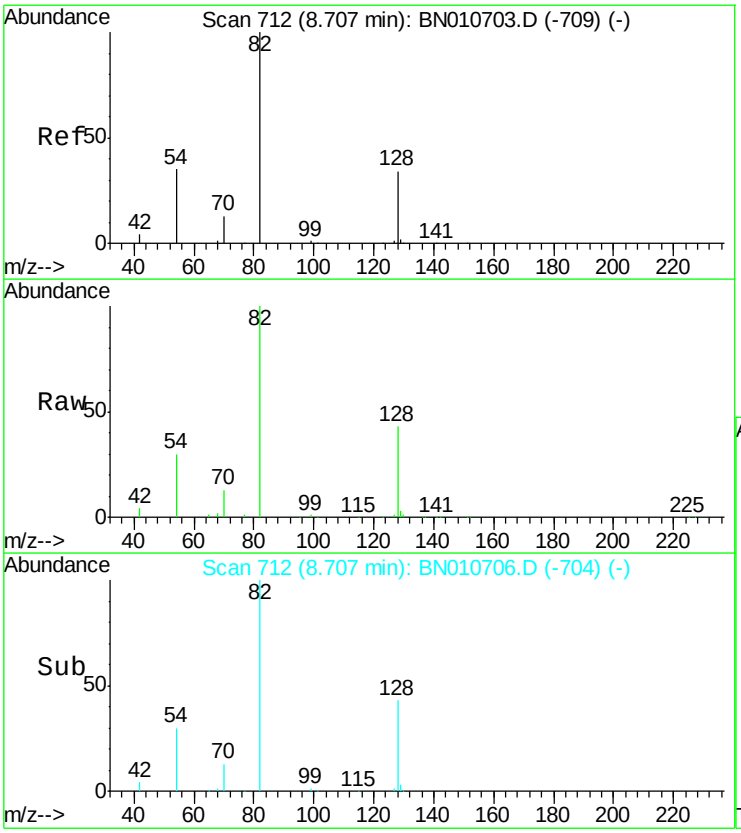
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 12096

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	3.8	3.6	5.4
68	4.4	4.1	6.1

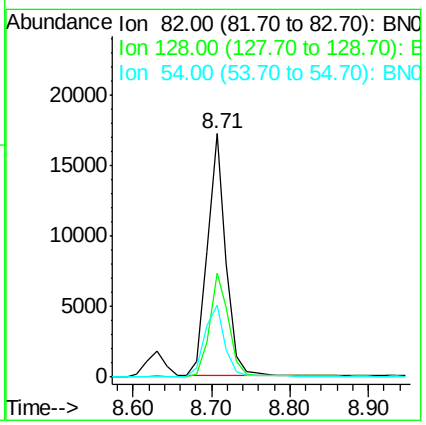


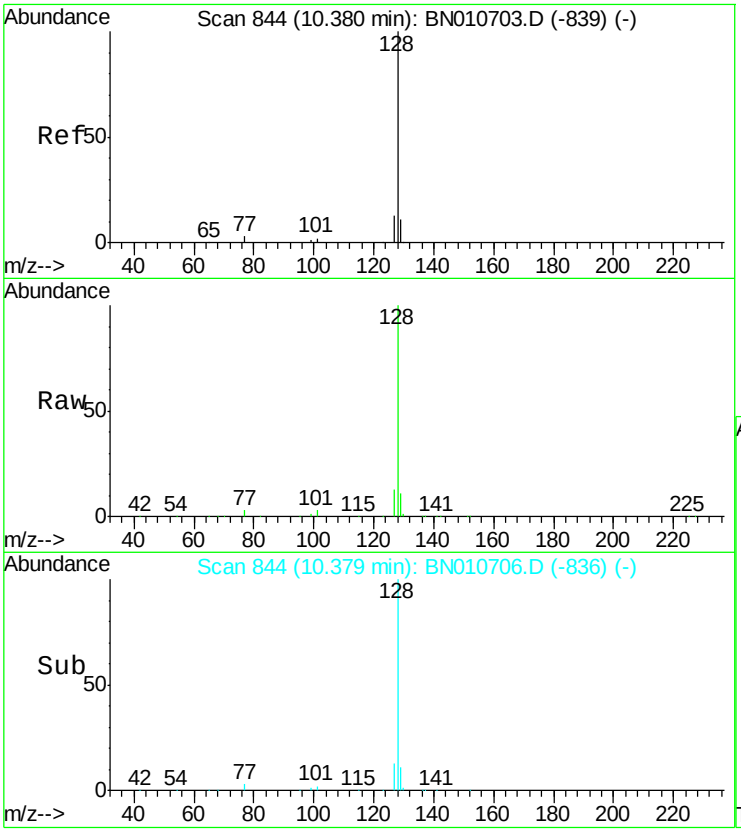


#8
Nitrobenzene-d5
Concen: 3.35 ng
RT: 8.71 min Scan# 712
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion: 82 Resp: 28331

Ion	Ratio	Lower	Upper
82	100		
128	42.6	29.0	43.4
54	29.6	29.3	43.9



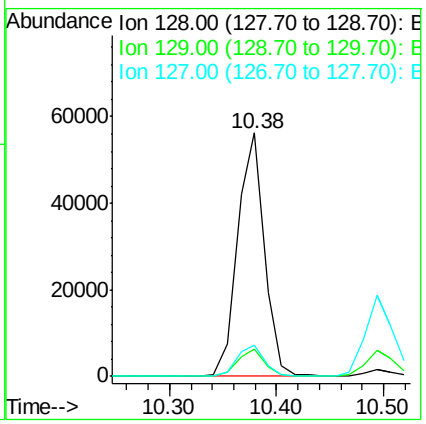


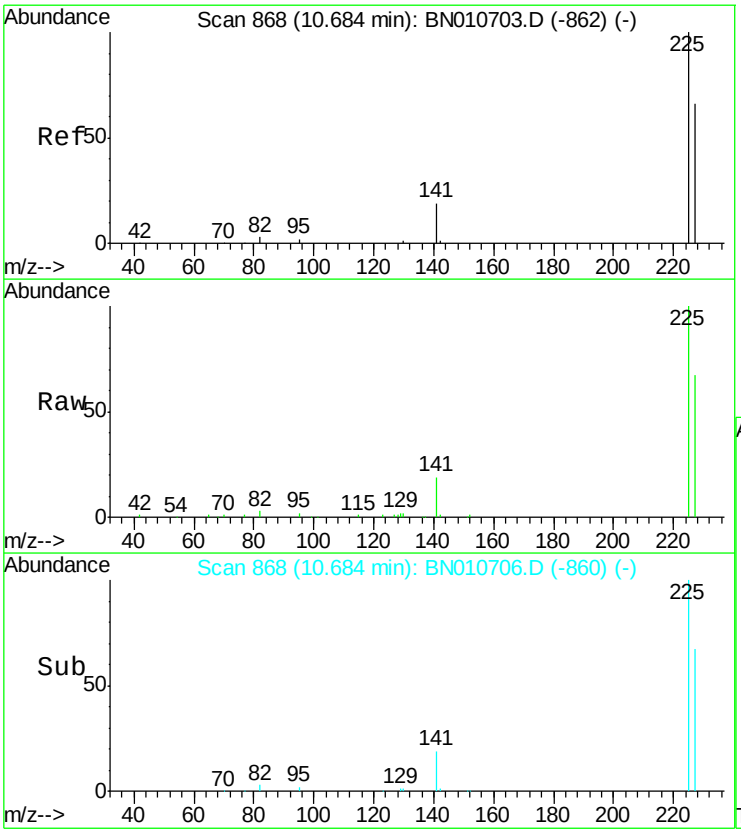
#9
Naphthalene
Concen: 3.25 ng
RT: 10.38 min Scan# 844
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 97726

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	13.0	11.0	16.6

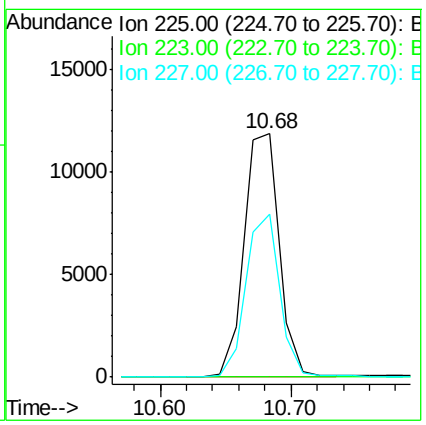


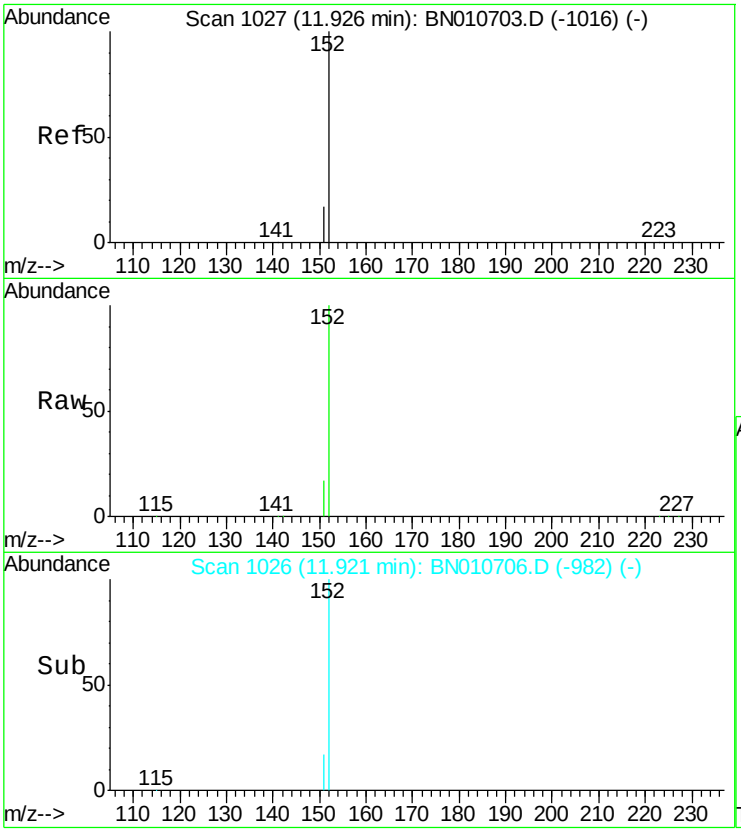


#10
Hexachlorobutadiene
Concen: 3.02 ng
RT: 10.68 min Scan# 868
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:225 Resp: 21850

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.7	76.1



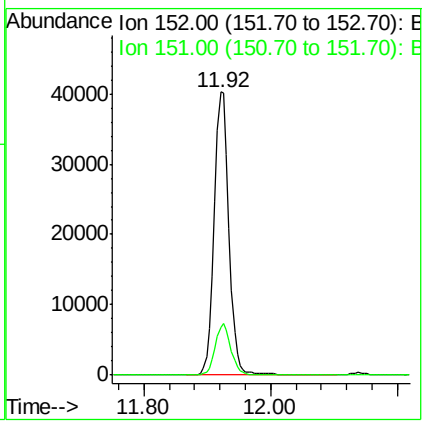


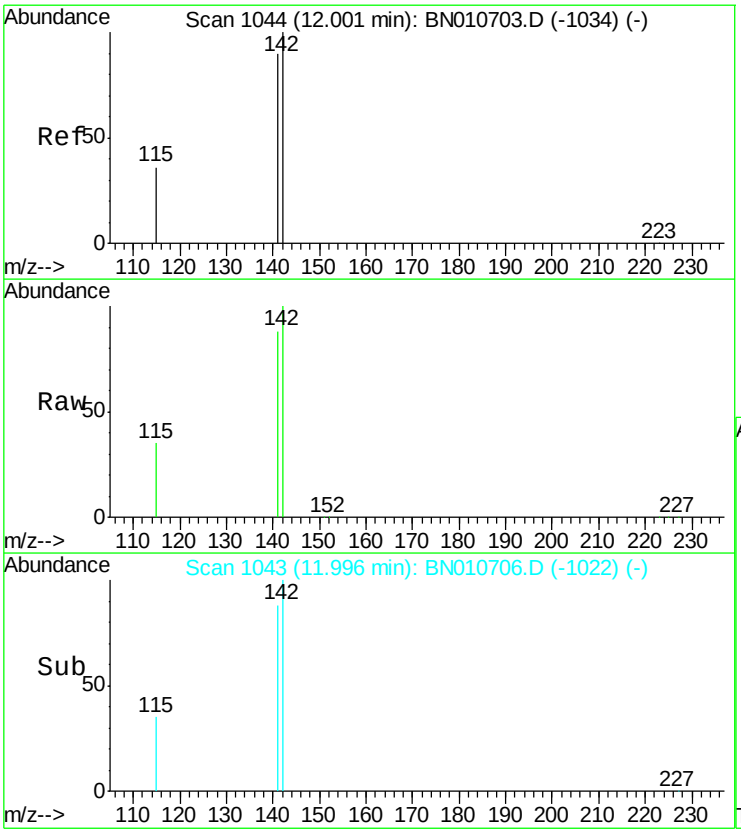
#11
2-Methylnaphthalene-d10
Concen: 3.26 ng
RT: 11.92 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 64757

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.0	22.6

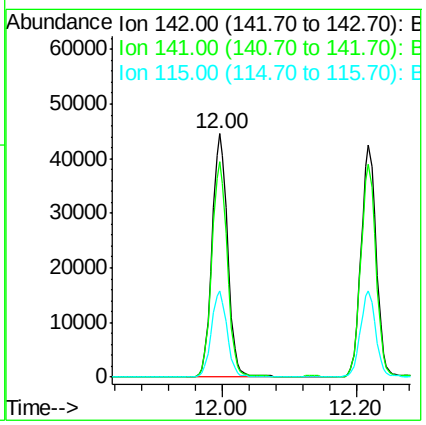


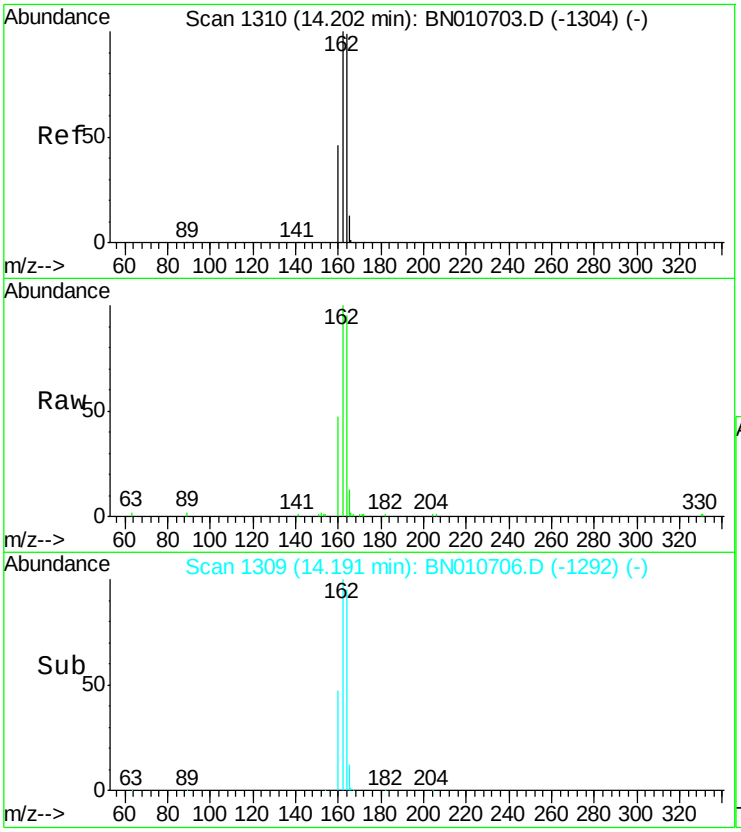


#12
2-Methylnaphthalene
Concen: 3.29 ng
RT: 12.00 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:142 Resp: 71029

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	35.4	29.8	44.6



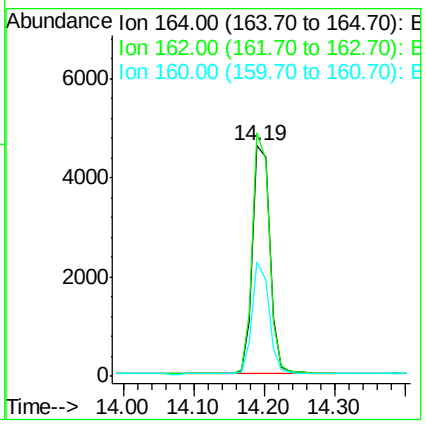


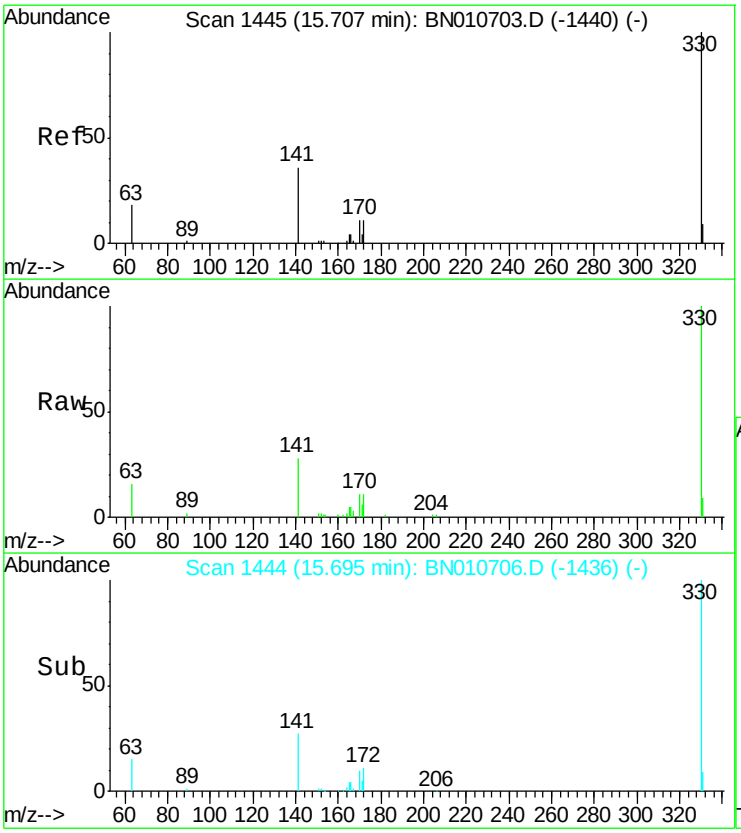
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.19 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 7676

Ion	Ratio	Lower	Upper
164	100		
162	105.5	81.1	121.7
160	49.7	37.9	56.9

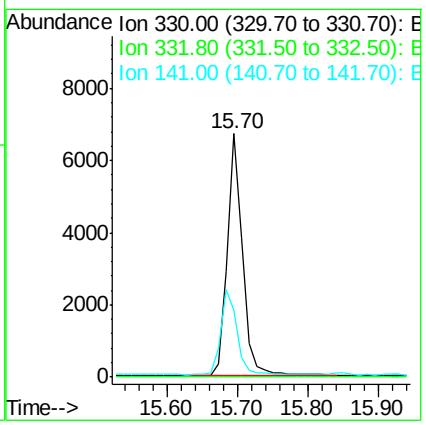


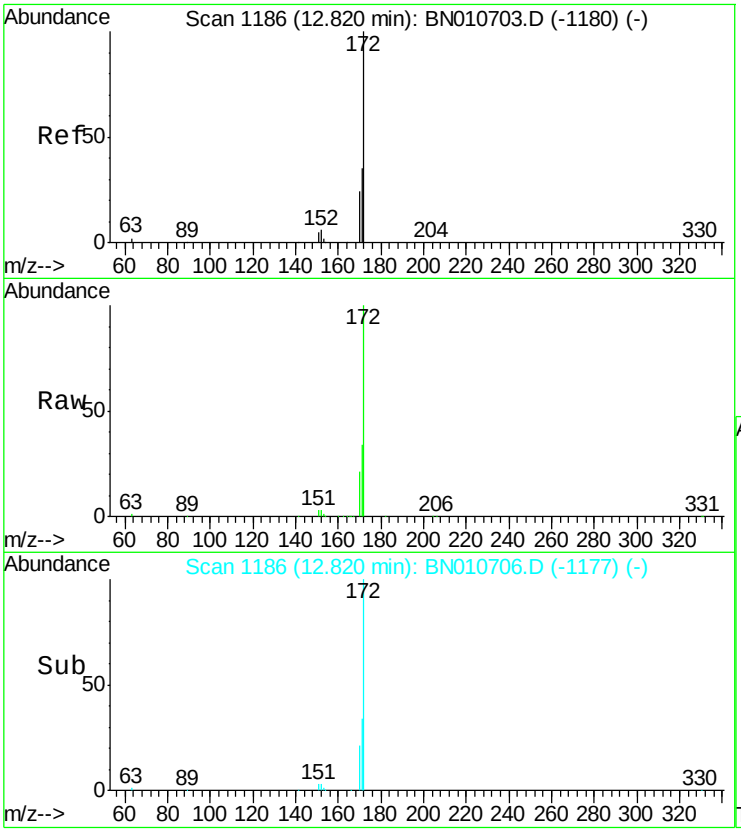


#14
2,4,6-Tribromophenol
Concen: 2.85 ng
RT: 15.70 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:330 Resp: 10312

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.1	28.8	43.2



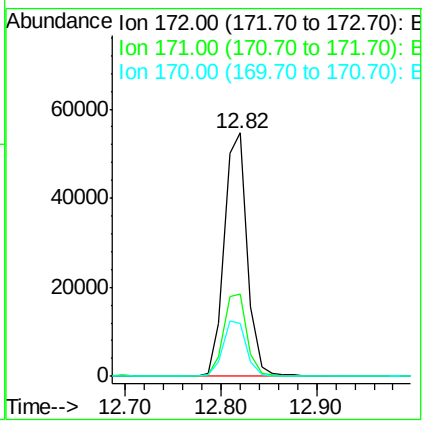


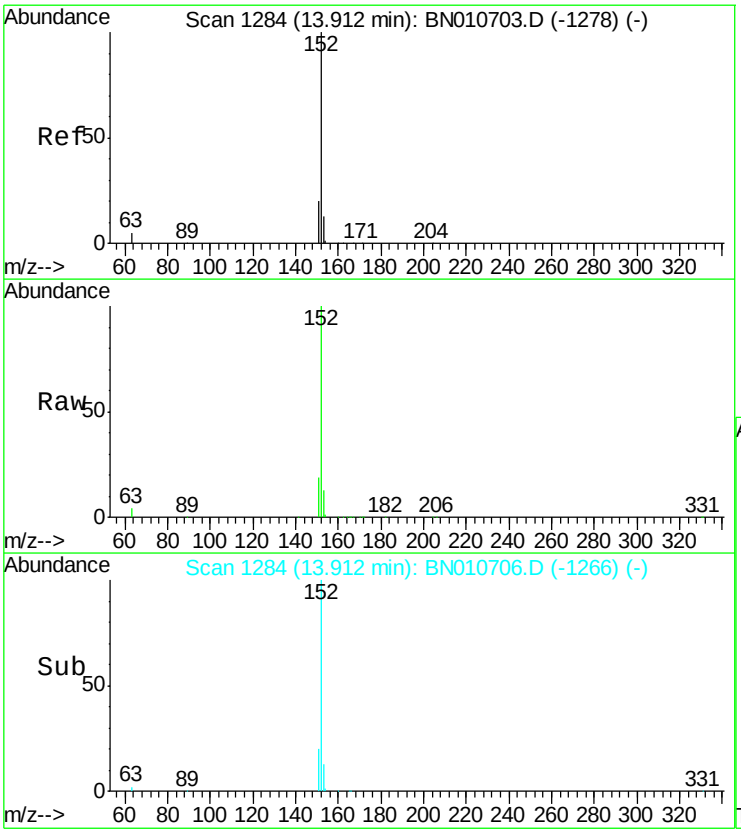
#15
2-Fluorobiphenyl
Concen: 3.27 ng
RT: 12.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 91395

Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.6	42.8
170	21.5	19.8	29.8

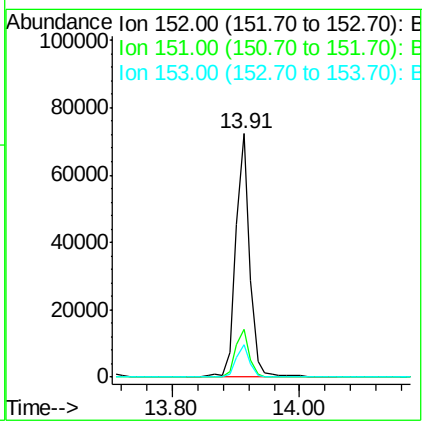


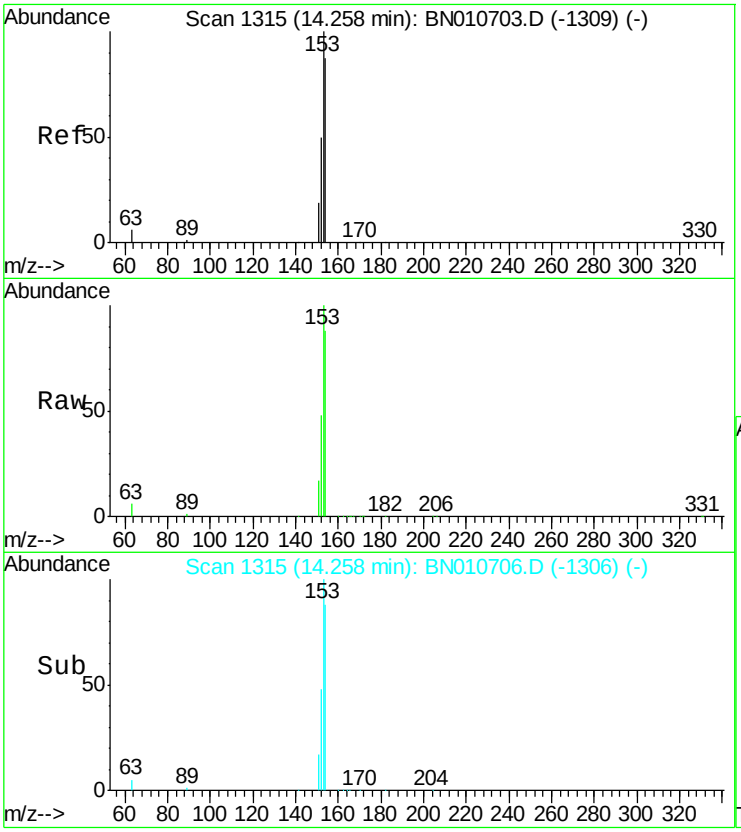


#16
Acenaphthylene
Concen: 3.31 ng
RT: 13.91 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:152 Resp: 109702

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.0	10.4	15.6



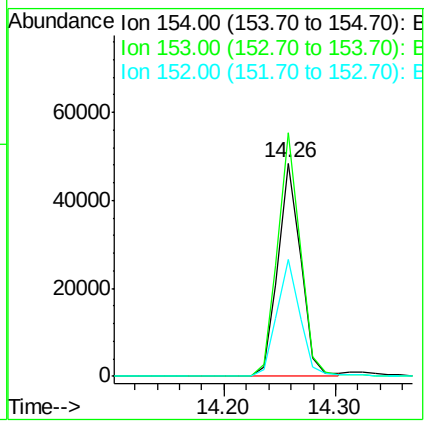


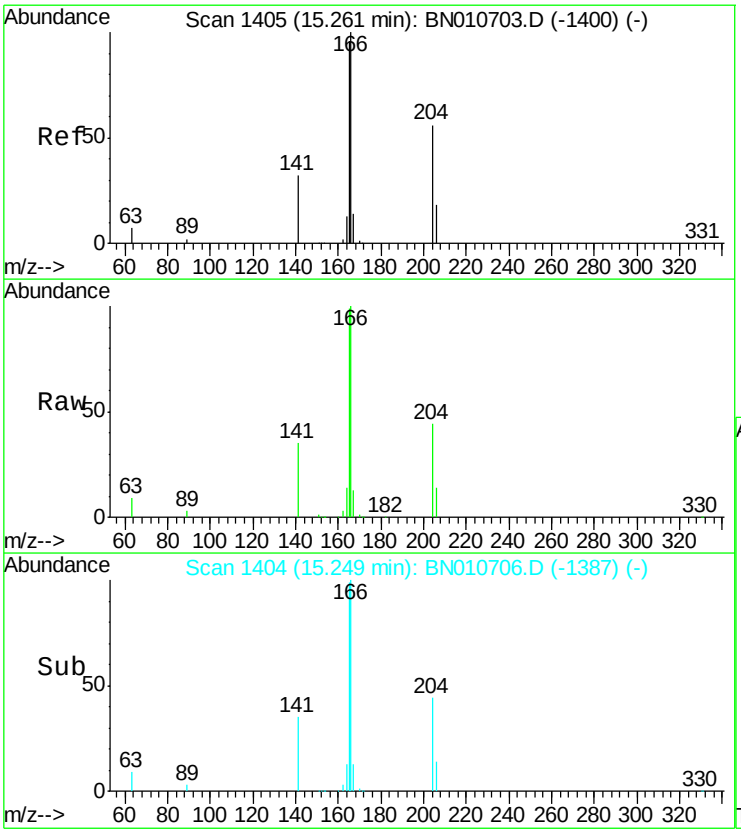
#17
Acenaphthene
Concen: 3.24 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 69081

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.5	137.3
152	55.5	45.6	68.4

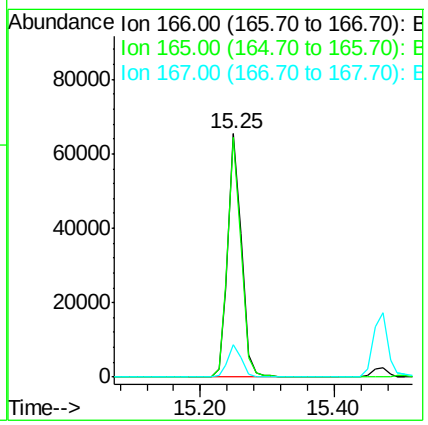


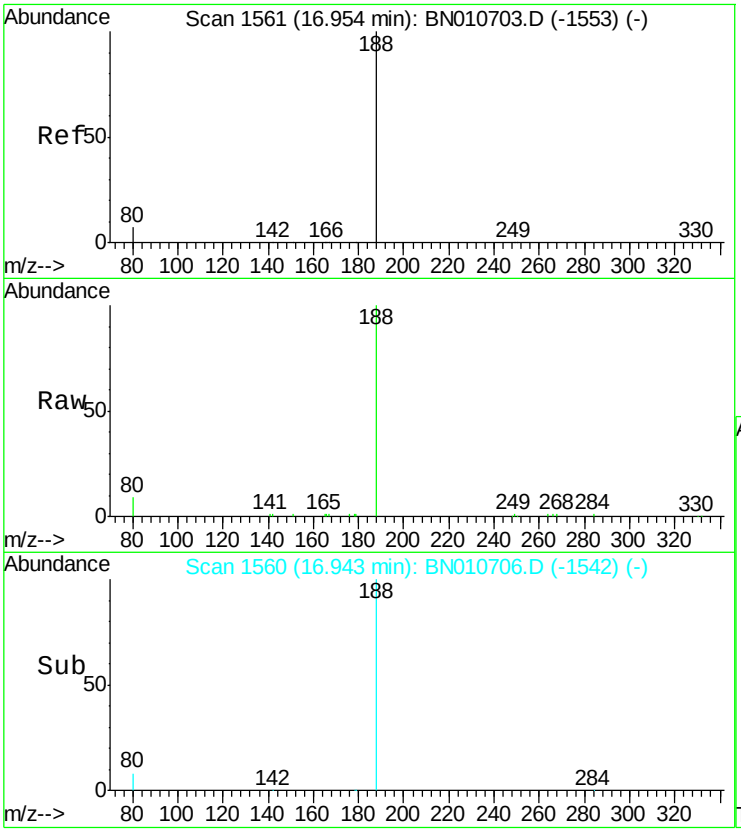


#18
Fluorene
Concen: 3.31 ng
RT: 15.25 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:166 Resp: 92306

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.9	116.9
167	13.6	11.0	16.4



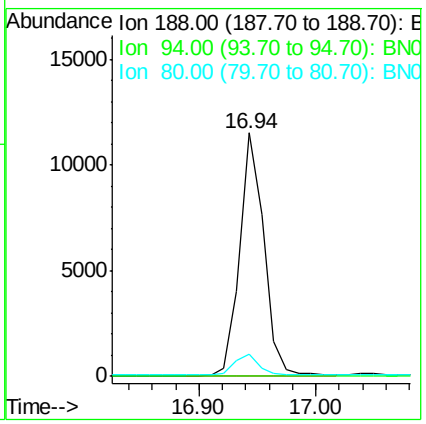


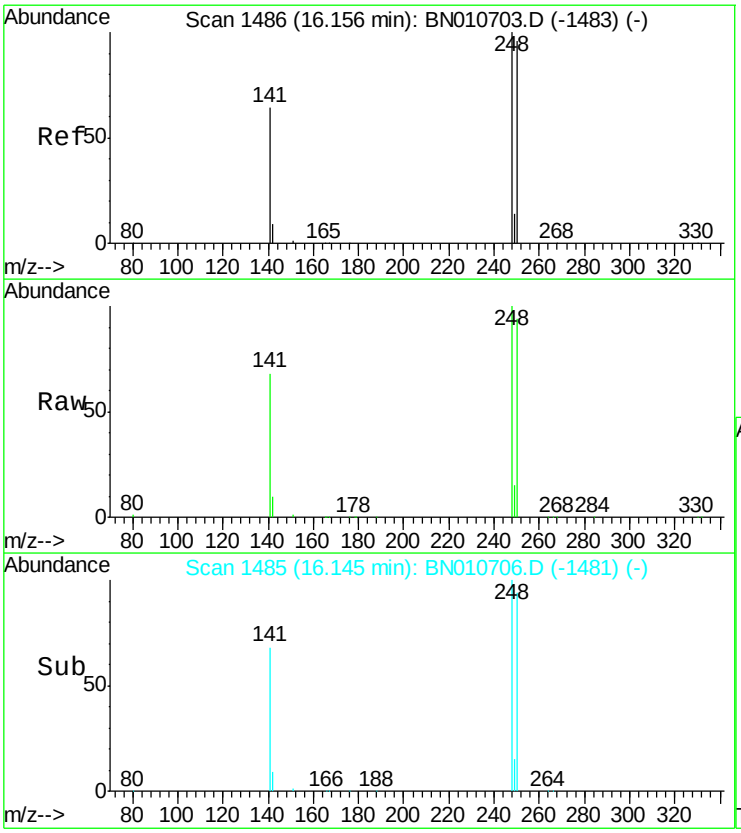
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 16260

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	6.3	9.5

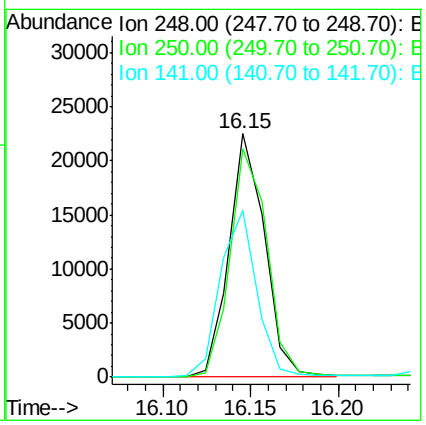


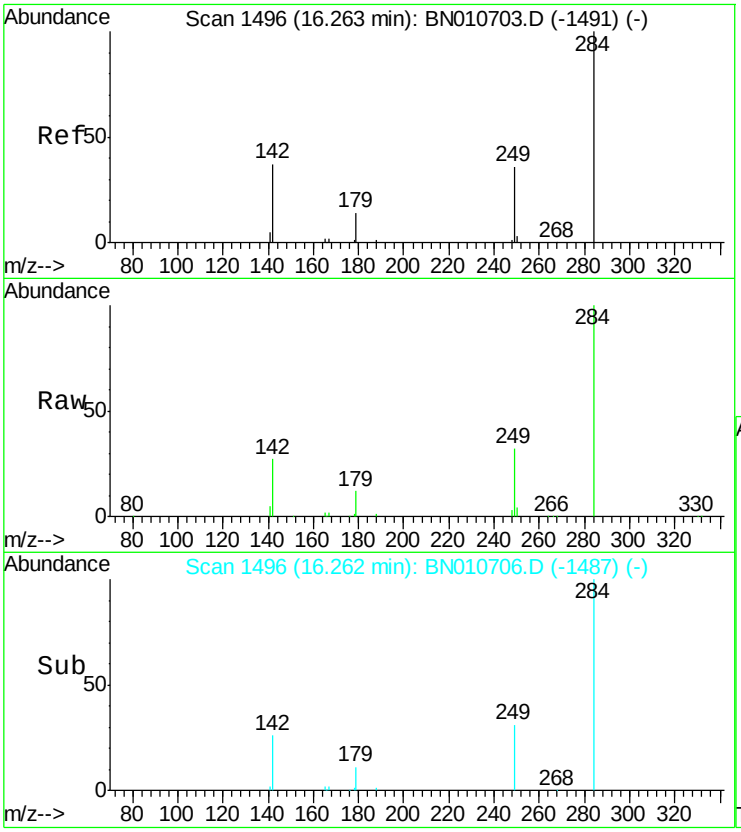


#20
4-Bromophenyl-phenylether
Concen: 3.47 ng
RT: 16.15 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:248 Resp: 31314

Ion	Ratio	Lower	Upper
248	100		
250	93.9	77.4	116.0
141	68.3	53.1	79.7



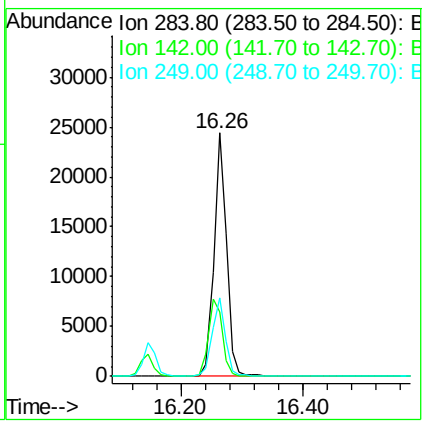


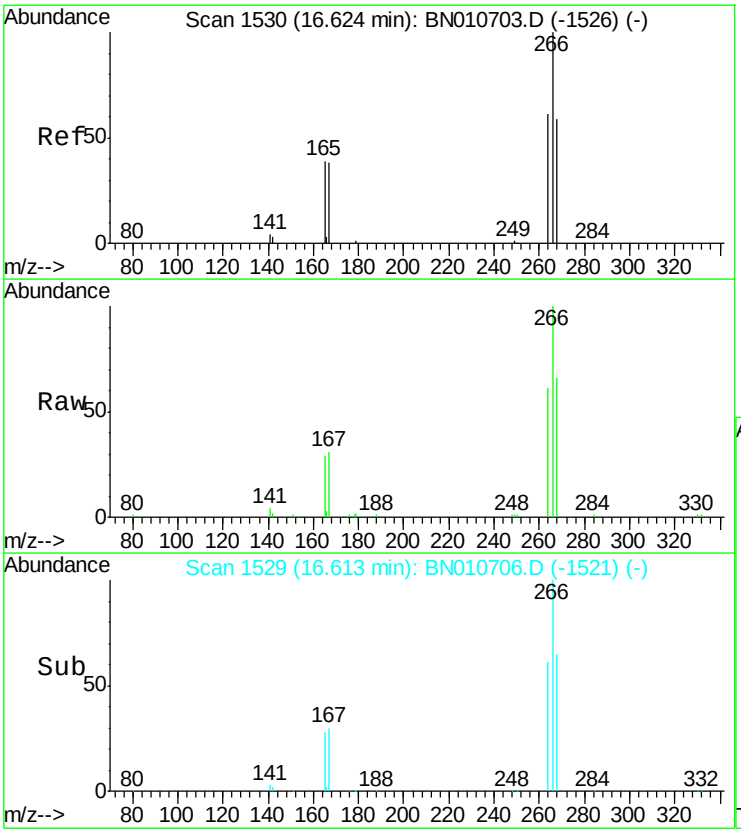
#21
Hexachlorobenzene
Concen: 3.30 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 34044

Ion	Ratio	Lower	Upper
284	100		
142	34.4	28.2	42.2
249	32.9	26.4	39.6

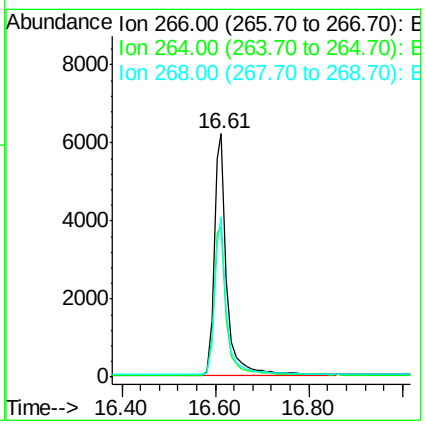


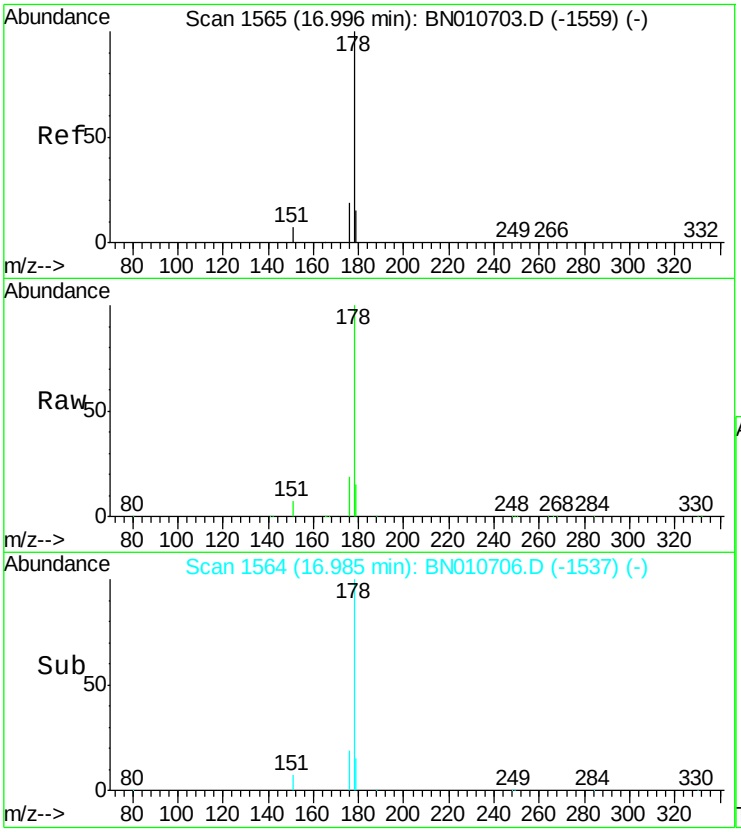


#22
Pentachlorophenol
Concen: 2.91 ng
RT: 16.61 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:266 Resp: 11821

Ion	Ratio	Lower	Upper
266	100		
264	61.4	51.1	76.7
268	65.8	52.1	78.1



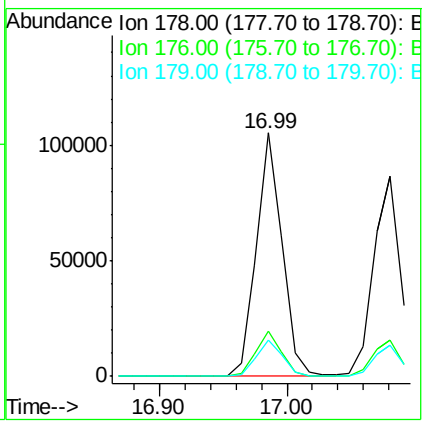


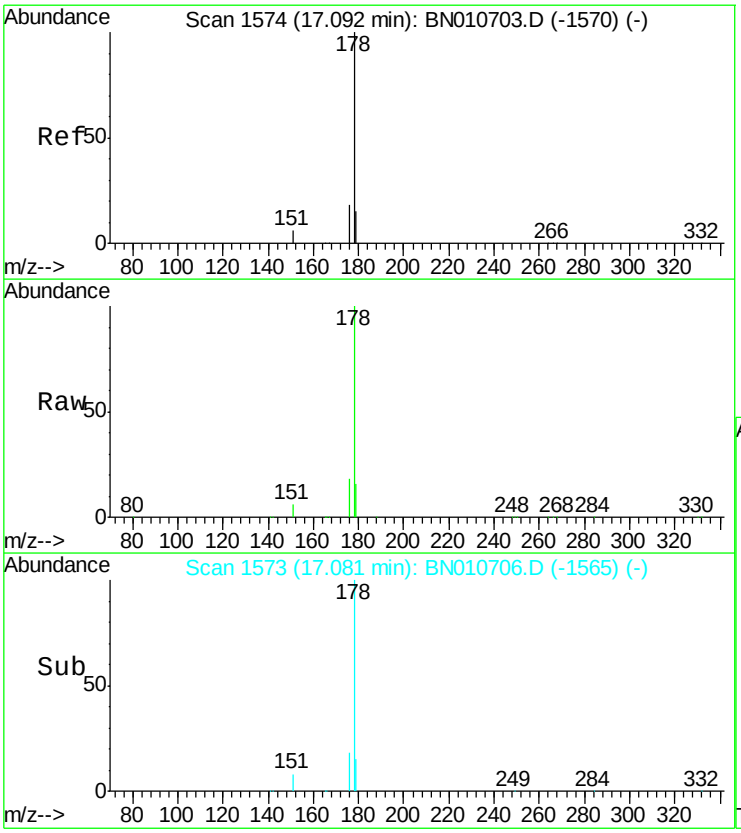
#23
Phenanthrene
Concen: 3.38 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 148355

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	12.2	18.4

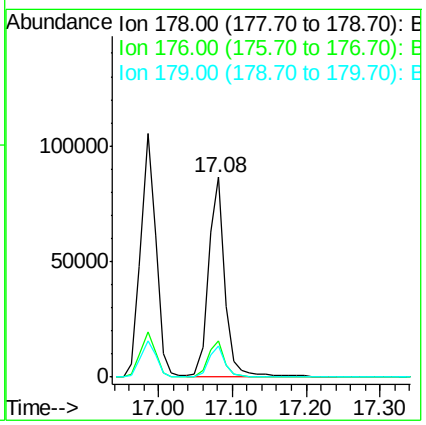


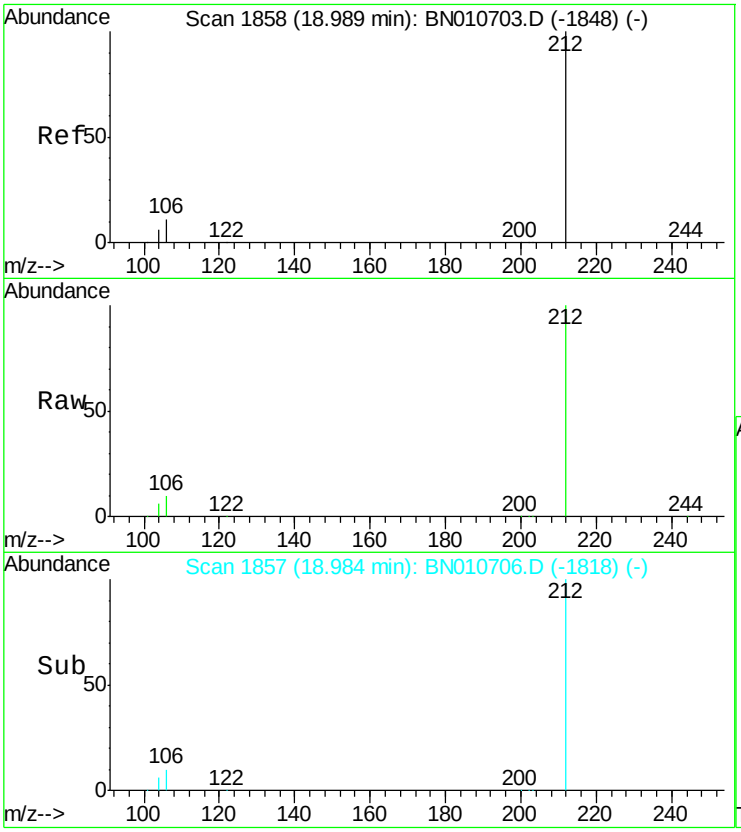


#24
Anthracene
Concen: 3.28 ng
RT: 17.08 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:178 Resp: 131505

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.3	12.3	18.5



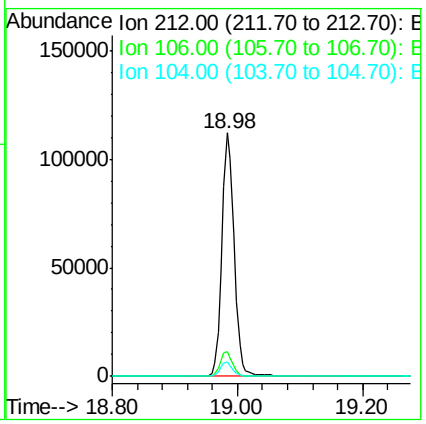


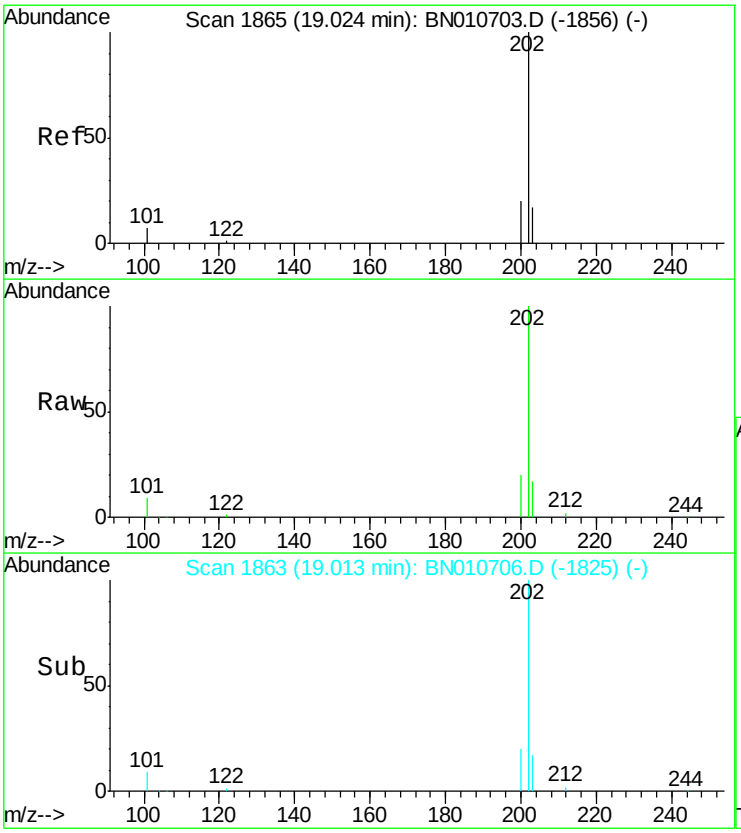
#25
Fluoranthene-d10
Concen: 3.08 ng
RT: 18.98 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 151951

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.8	4.7	7.1

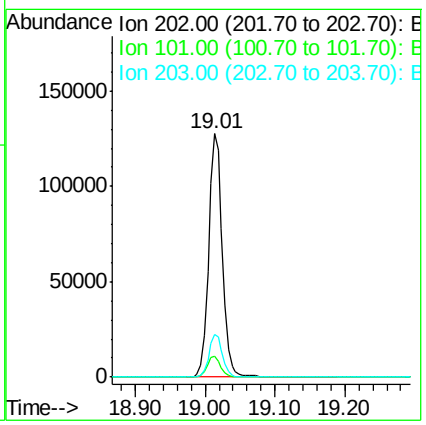


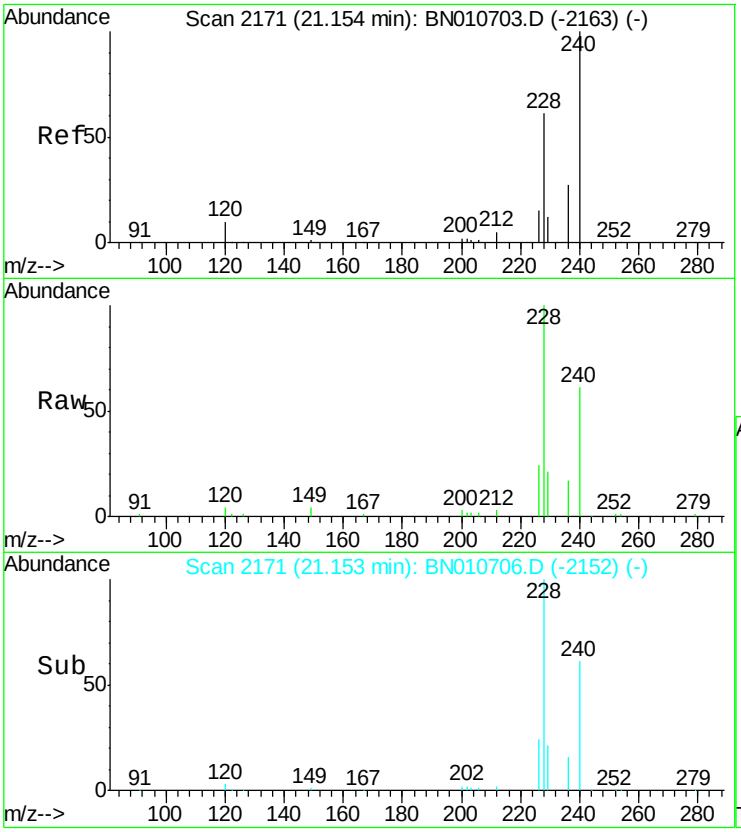


#26
Fluoranthene
Concen: 3.15 ng
RT: 19.01 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:202 Resp: 172064

Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.7	10.1
203	17.3	13.4	20.0



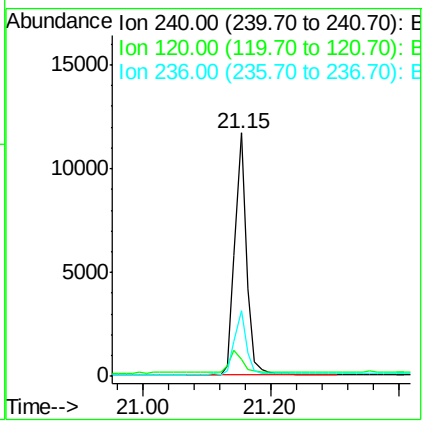


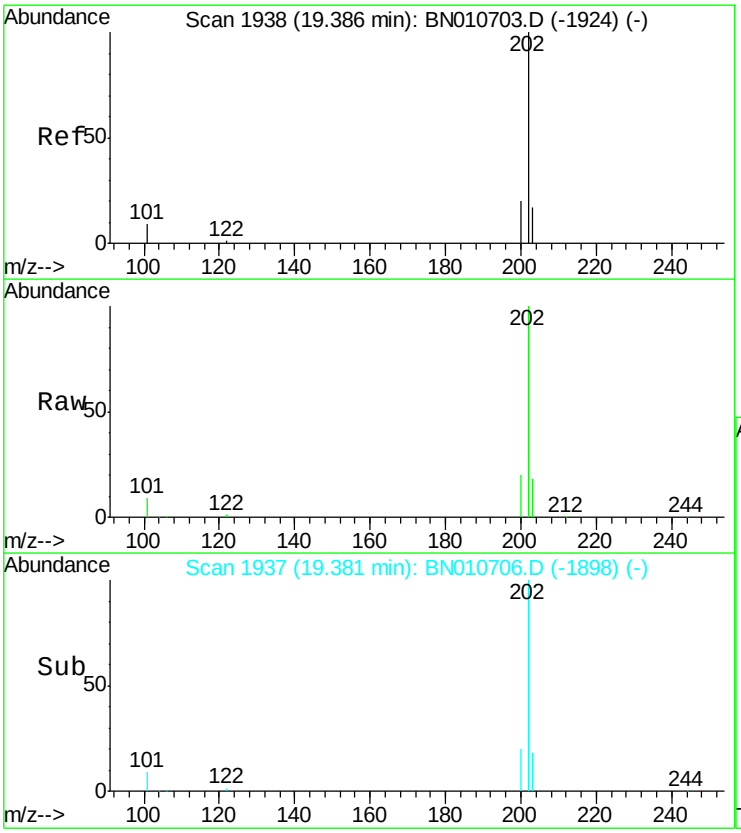
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 15037

Ion	Ratio	Lower	Upper
240	100		
120	7.2	9.5	14.3#
236	27.2	22.5	33.7

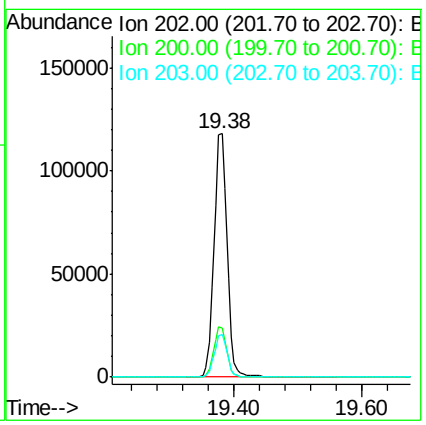


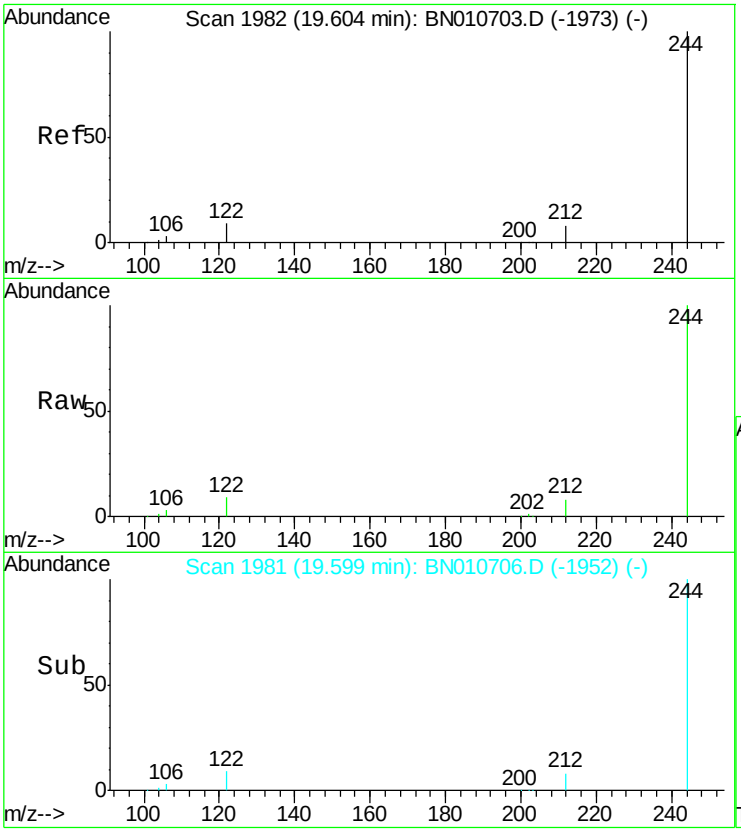


#28
Pyrene
Concen: 3.31 ng
RT: 19.38 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:202 Resp: 167779

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.4	14.1	21.1



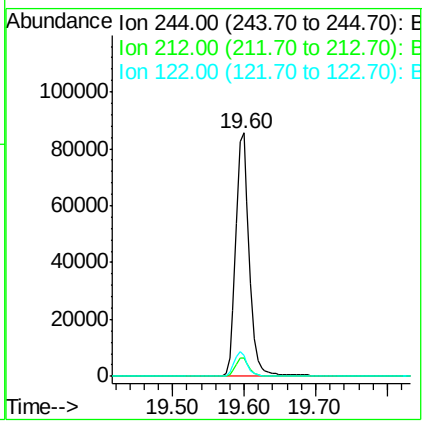


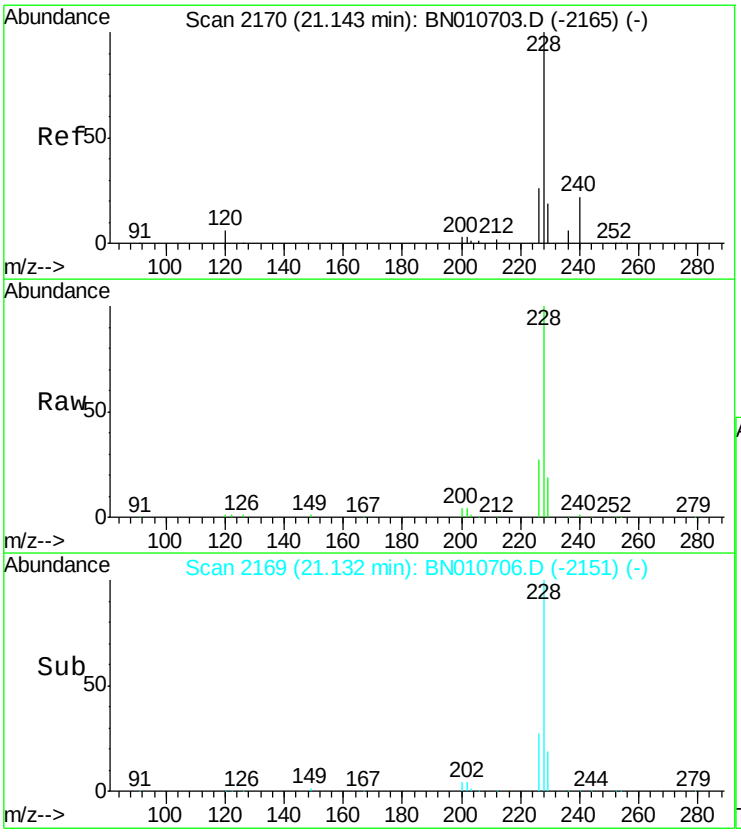
#29
Terphenyl-d14
Concen: 3.28 ng
RT: 19.60 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 112914

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.8	10.2
122	8.7	8.1	12.1

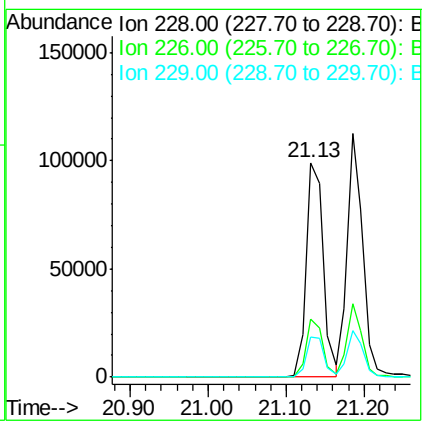


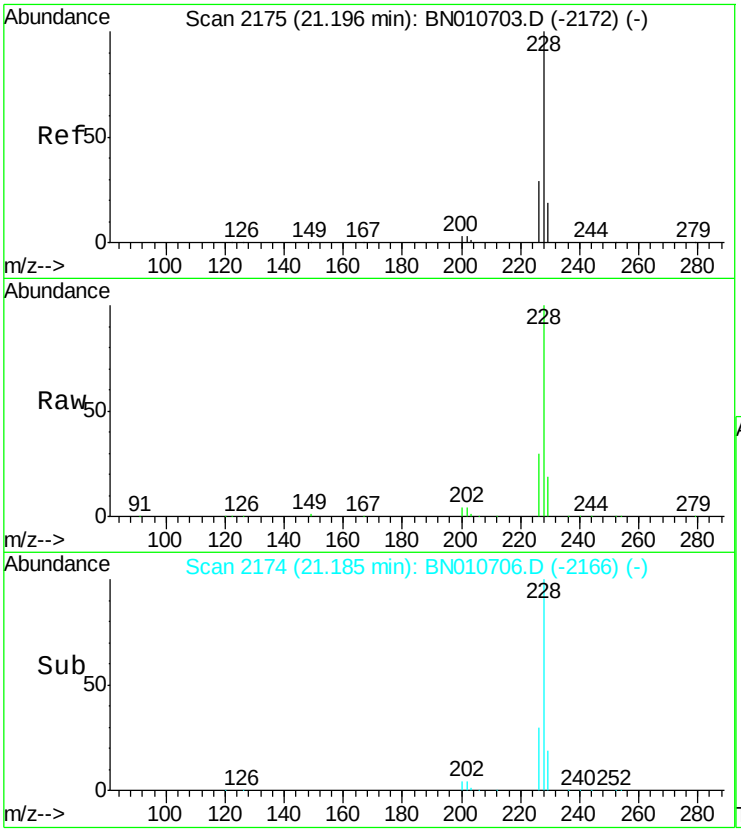


#30
Benzo(a)anthracene
Concen: 3.04 ng
RT: 21.13 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:228 Resp: 149061

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.3	31.9
229	19.0	16.0	24.0



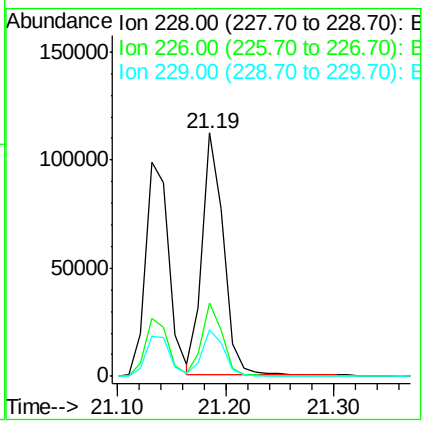


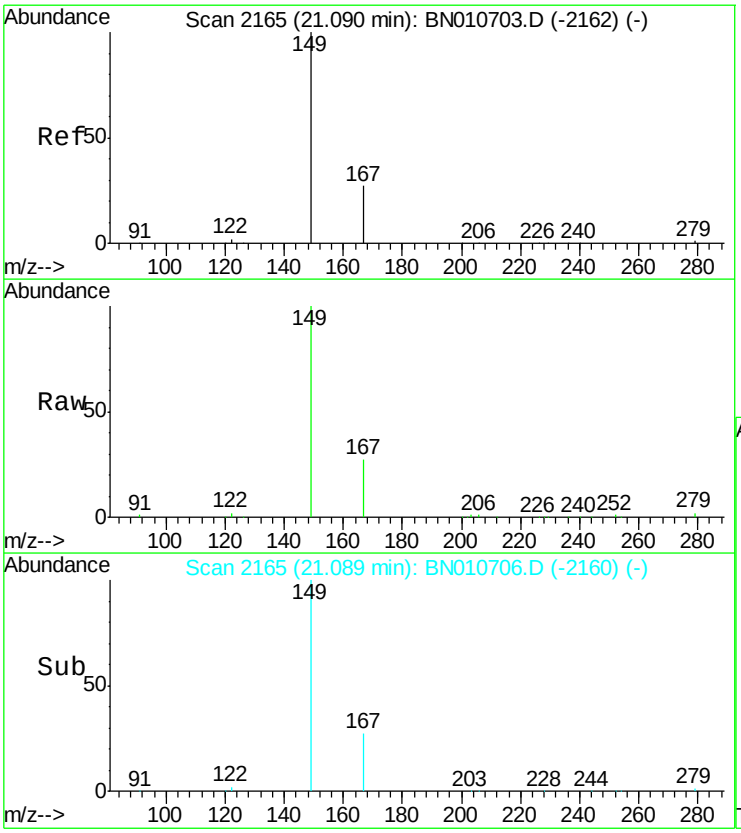
#31
Chrysene
Concen: 3.15 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 153743

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.0
229	19.2	16.1	24.1

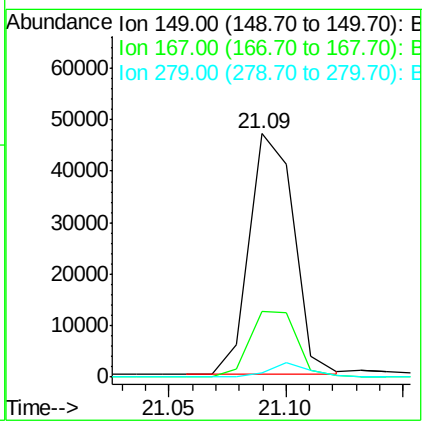


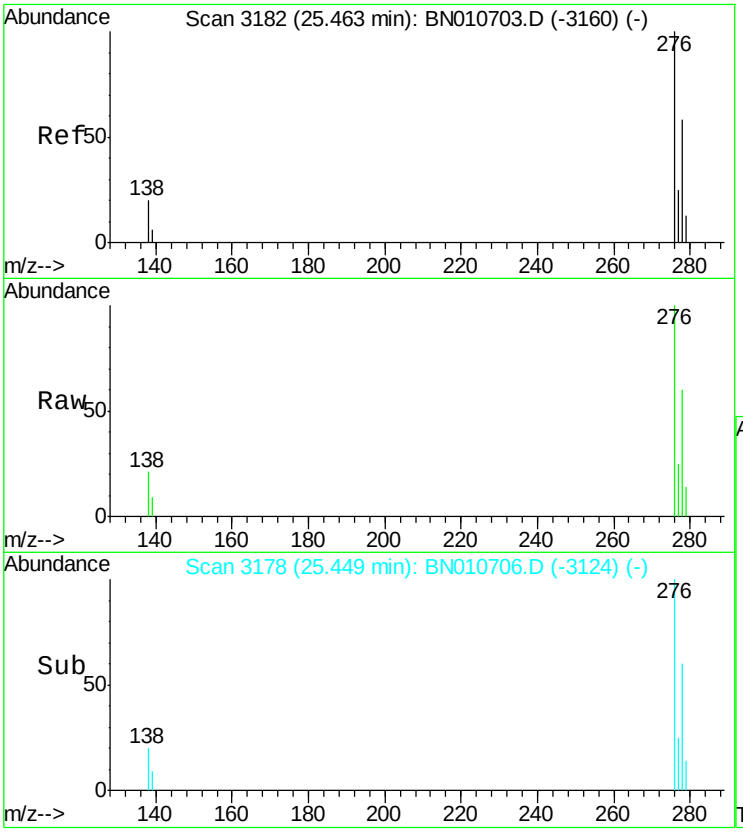


#32
Bis(2-ethylhexyl)phthalate
Concen: 2.47 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:149 Resp: 62147

Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.5	33.7
279	4.7	4.1	6.1



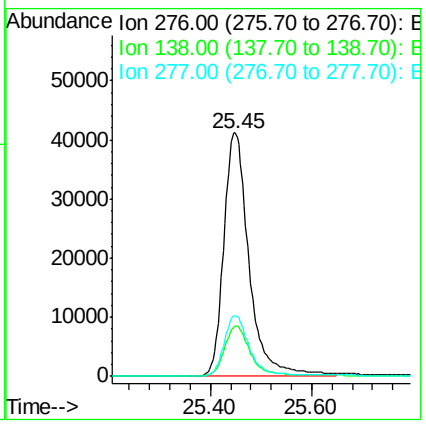


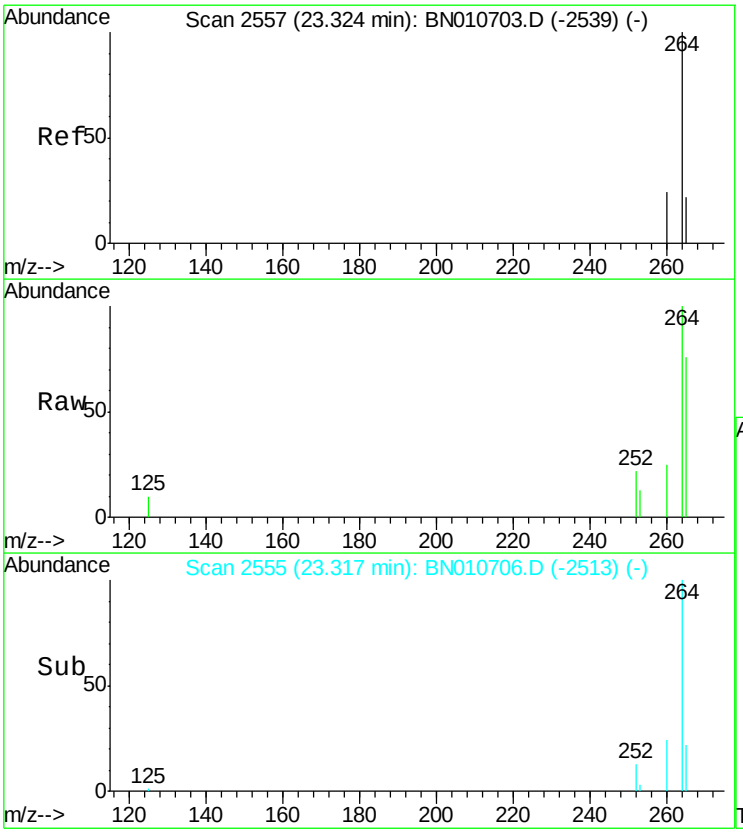
#33
Indeno(1,2,3-cd)pyrene
Concen: 3.29 ng
RT: 25.45 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 141997

Ion	Ratio	Lower	Upper
276	100		
138	21.1	15.1	22.7
277	24.9	19.4	29.0

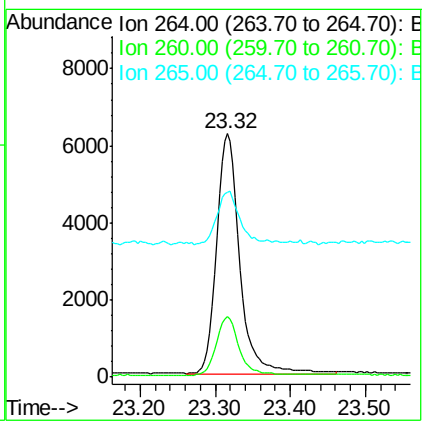


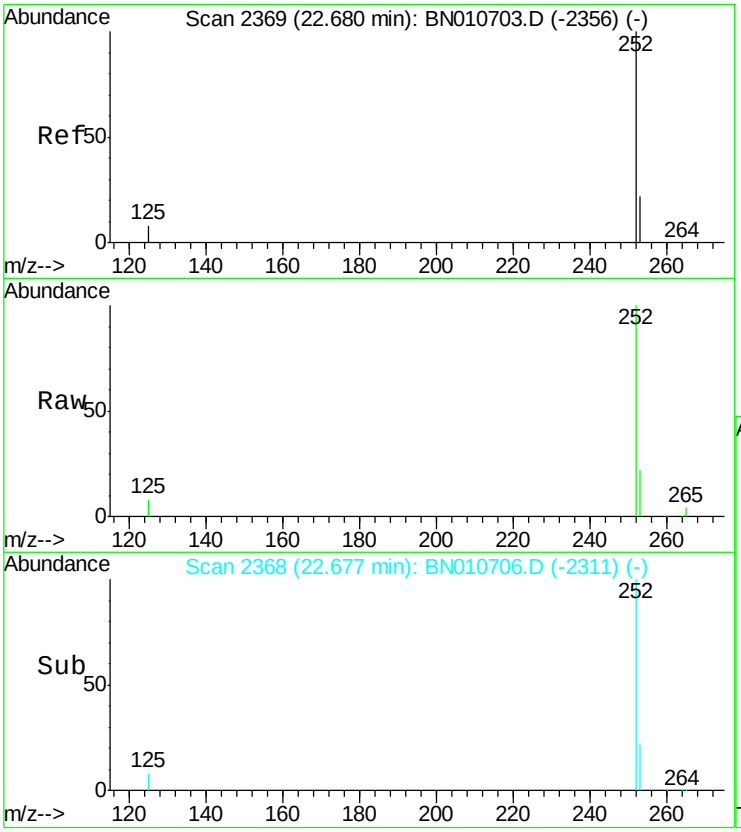


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.32 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:264 Resp: 13256

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	75.7	70.1	105.1



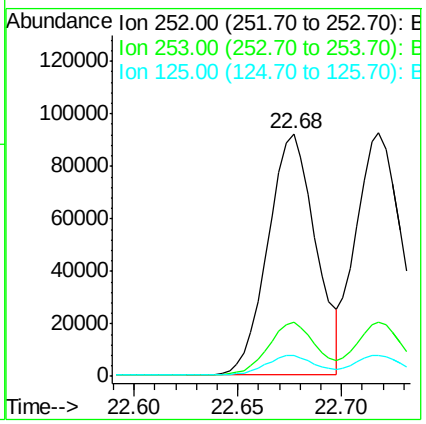


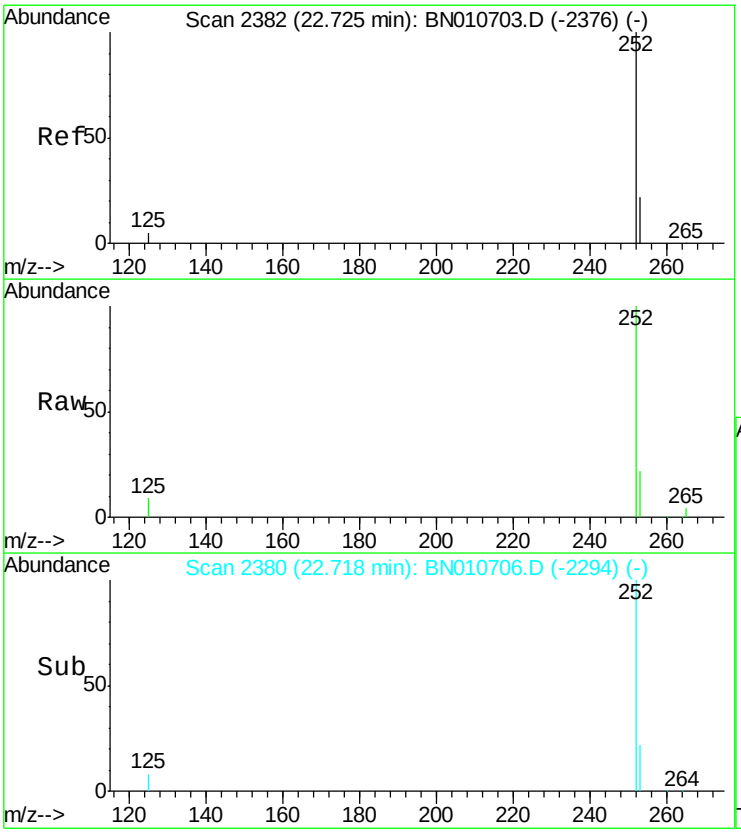
#35
Benzo(b)fluoranthene
Concen: 3.37 ng
RT: 22.68 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 146914

Ion	Ratio	Lower	Upper
252	100		
253	22.2	22.0	33.0
125	8.5	10.8	16.2#

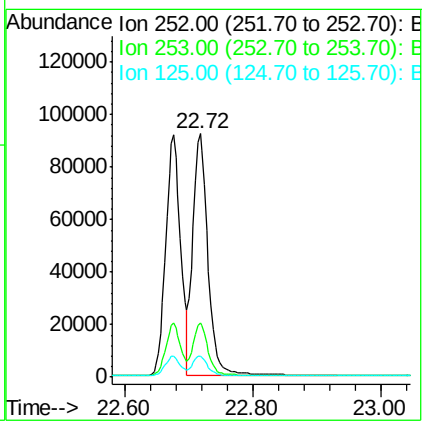


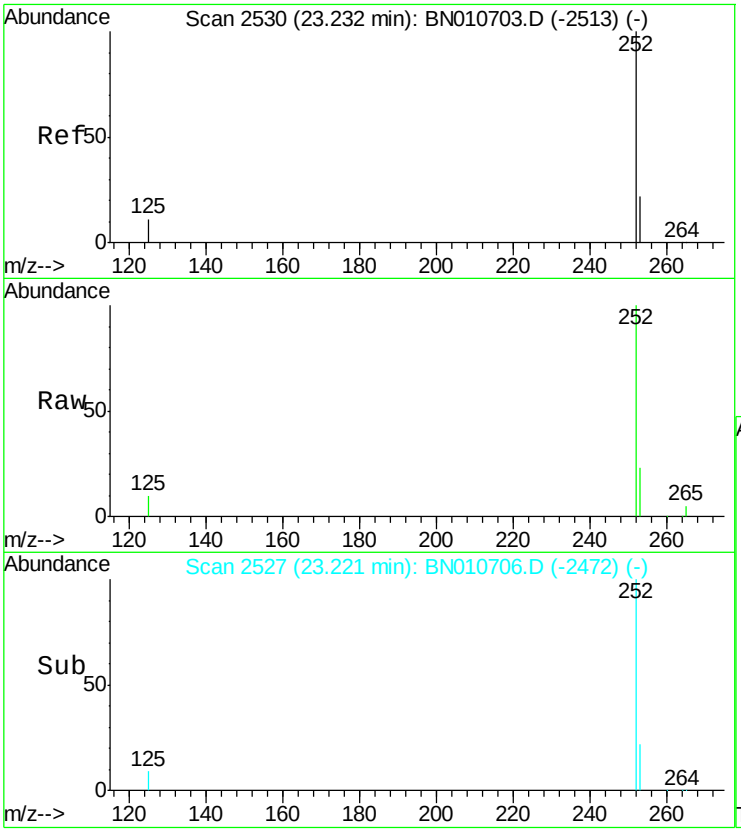


#36
Benzo(k)fluoranthene
Concen: 3.45 ng
RT: 22.72 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:252 Resp: 150904

Ion	Ratio	Lower	Upper
252	100		
253	22.4	21.9	32.9
125	8.7	11.1	16.7#



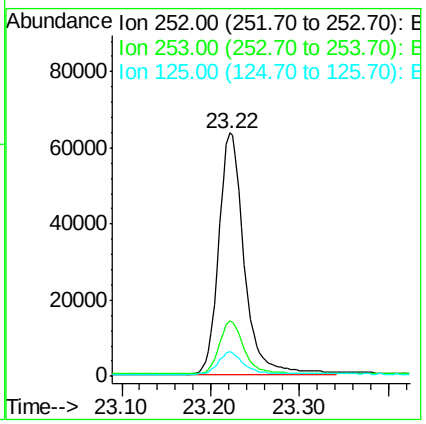


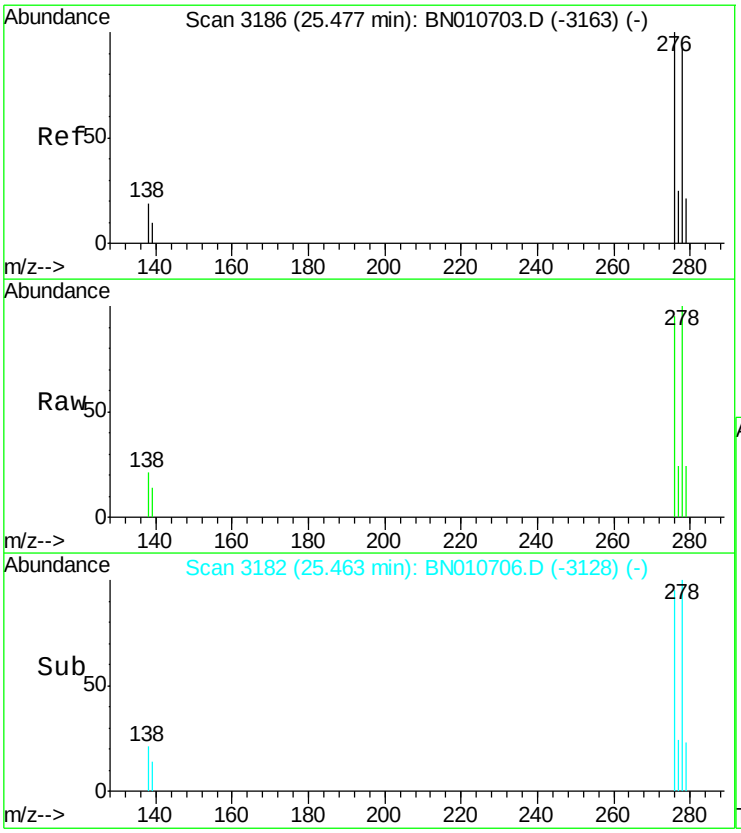
#37
Benzo(a)pyrene
Concen: 3.25 ng
RT: 23.22 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 125649

Ion	Ratio	Lower	Upper
252	100		
253	22.6	24.8	37.2#
125	10.0	15.8	23.6#

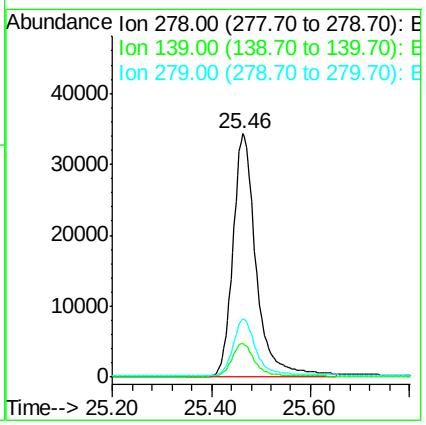


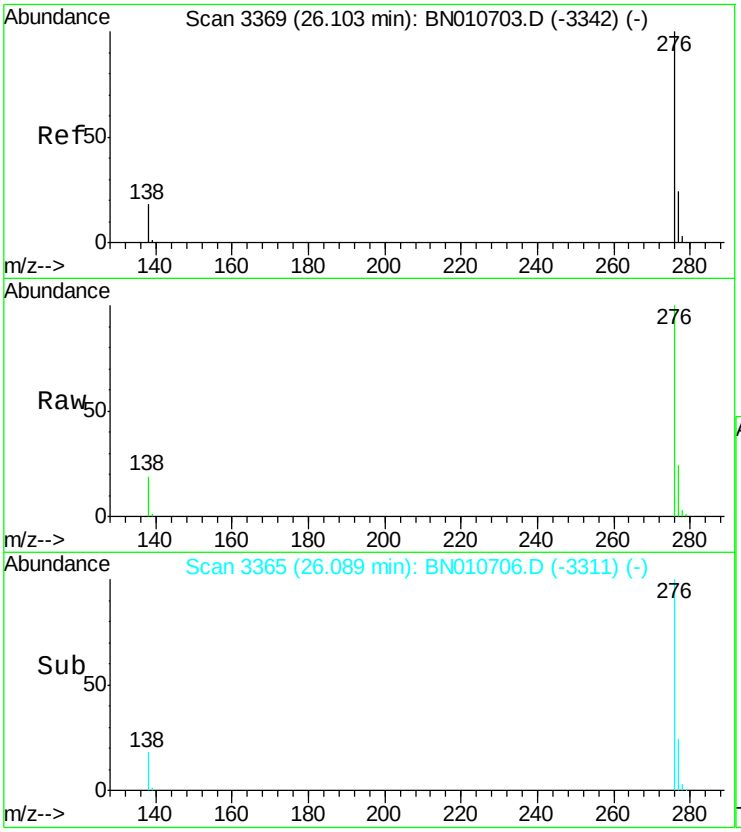


#38
Dibenzo(a,h)anthracene
Concen: 3.14 ng
RT: 25.46 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Tgt Ion:278 Resp: 110932

Ion	Ratio	Lower	Upper
278	100		
139	13.9	13.0	19.4
279	23.9	25.1	37.7#





#39
Benzo(g,h,i)perylene
Concen: 3.40 ng
RT: 26.09 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BN010706.D
Acq: 13 May 2020 13:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 120957

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.6	30.8
138	18.5	16.0	24.0