Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070919\
Data File : BN006767.D
Acq On : 09 Jul 2019 12:07
Operator : HP/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC5.0

Quant Time: Jul 09 13:11:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 12:25:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	3825	0.40	ng		0.00
7) Naphthalene-d8	10.35	136	15416	0.40	ng		-0.01
13) Acenaphthene-d10	14.23	164	8679	0.40	ng		-0.01
19) Phenanthrene-d10	16.99	188	19240	0.40	ng		-0.01
27) Chrysene-d12	21.23	240	20131	0.40	ng		-0.01
34) Perylene-d12	23.46	264	20854	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.19	112	49590	4.77	ng		-0.04
5) Phenol-d6	6.76	99	68640	5.22	ng		-0.06
8) Nitrobenzene-d5	8.73	82	64806	5.48	ng		-0.05
11) 2-Methylnaphthalene-d10	11.95	152	121784	5.26	ng		-0.02
14) 2,4,6-Tribromophenol	15.75	330	25628	6.01	ng		-0.02
15) 2-Fluorobiphenyl	12.84	172	166579	4.91	ng		-0.02
25) Fluoranthene-d10	19.05	212	306996	5.58	ng		-0.01
29) Terphenyl-d14	19.65	244	219742	4.74	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	27953	4.676	ng		95
3) n-Nitrosodimethylamine	3.42	42	32230	7.149	ng	#	98
6) bis(2-Chloroethyl)ether	7.01	93	65160	5.865	ng	#	86
9) Naphthalene	10.40	128	201543	4.779	ng		98
10) Hexachlorobutadiene	10.68	225	40596	4.755	ng	#	99
12) 2-Methylnaphthalene	12.03	142	136121	4.350	ng		97
16) Acenaphthylene	13.95	152	225574	5.215	ng		100
17) Acenaphthene	14.30	154	137255	4.976	ng		98
18) Fluorene	15.29	166	175965	5.139	ng		99
20) 4-Bromophenyl-phenylether	16.19	248	60125	5.304	ng		94
21) Hexachlorobenzene	16.30	284	68990	5.116	ng		100
23) Phenanthrene	17.04	178	280609	5.060	ng		100
24) Anthracene	17.13	178	269185	5.371	ng		100
26) Fluoranthene	19.08	202	338980	5.206	ng		99
28) Pyrene	19.44	202	343219	4.261	ng		100
30) Benzo(a)anthracene	21.22	228	331438	4.774	ng		99
31) Chrysene	21.27	228	345417	4.827	ng		100
32) Bis(2-ethylhexyl)phthalate	21.14	149	165277	0.798	ng		100
33) Indeno(1,2,3-cd)pyrene	25.67	276	416559	4.867	ng		99
35) Benzo(b)fluoranthene	22.79	252	357518	5.341	ng		97
36) Benzo(k)fluoranthene	22.83	252	362655	4.996	ng		96
37) Benzo(a)pyrene	23.36	252	336594	5.191	ng		95
38) Dibenzo(a,h)anthracene	25.68	278	336669	5.226	ng		96
39) Benzo(g,h,i)perylene	26.35	276	340783	5.140	ng		98

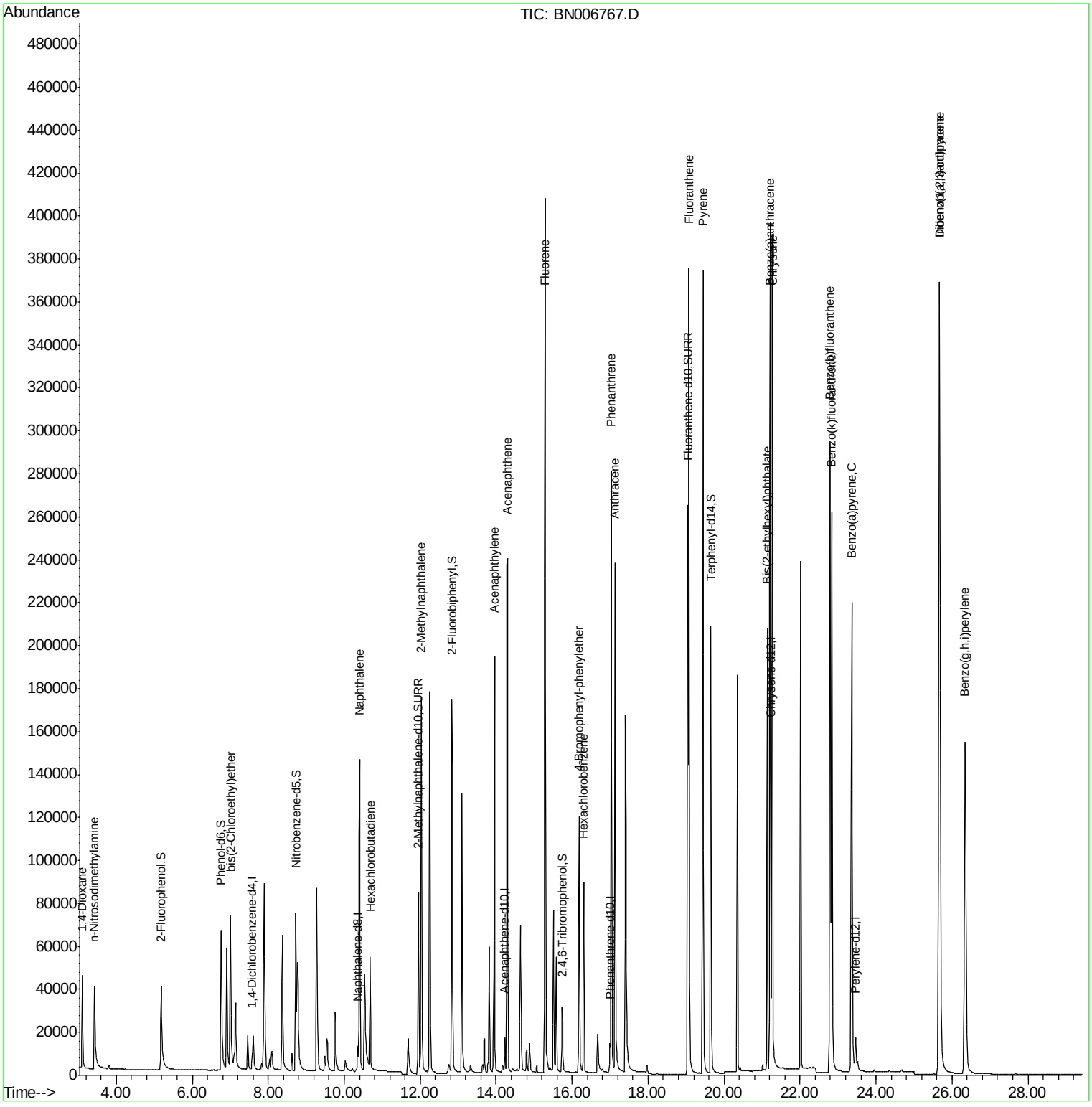
(#) = qualifier out of range (m) = manual integration (+) = signals summed

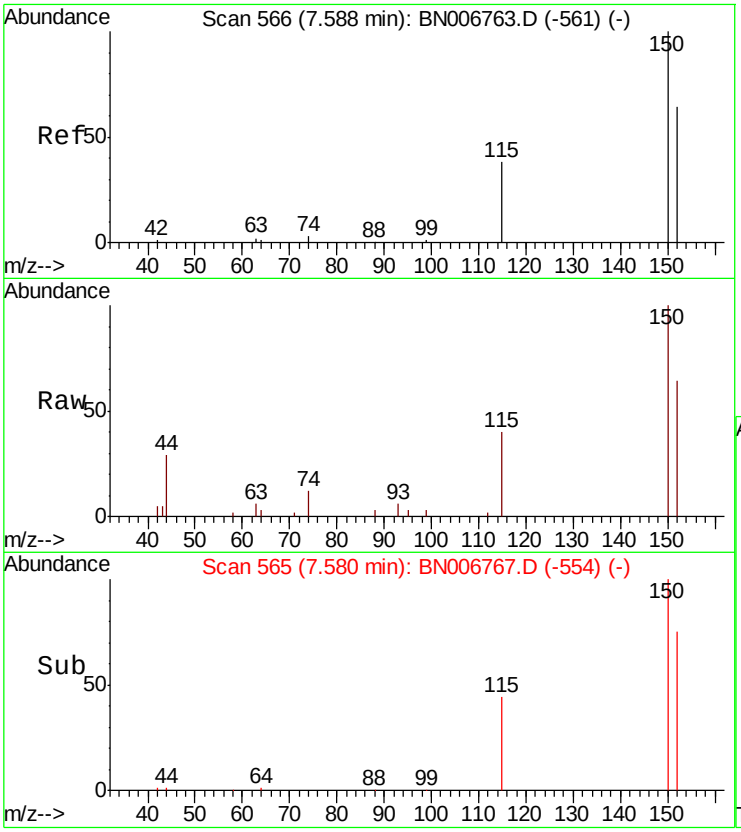
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070919\
Data File : BN006767.D
Acq On : 09 Jul 2019 12:07
Operator : HP/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jul 09 13:11:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 12:25:47 2019
Response via : Initial Calibration



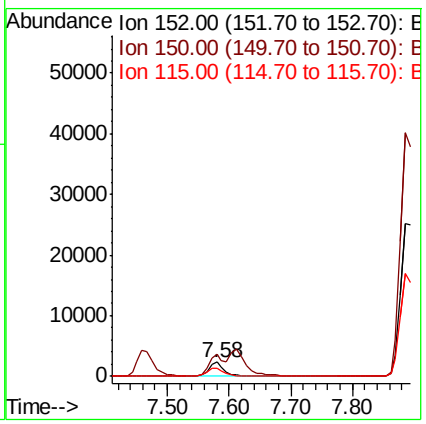


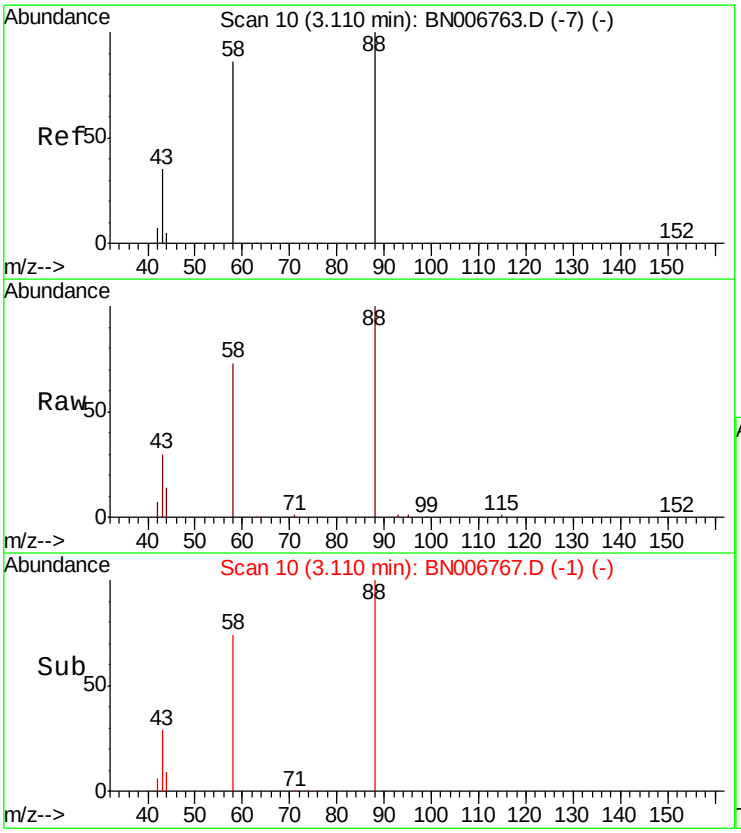
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.58 min Scan# 565
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 3825

Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.6	185.4
115	62.0	52.5	78.7

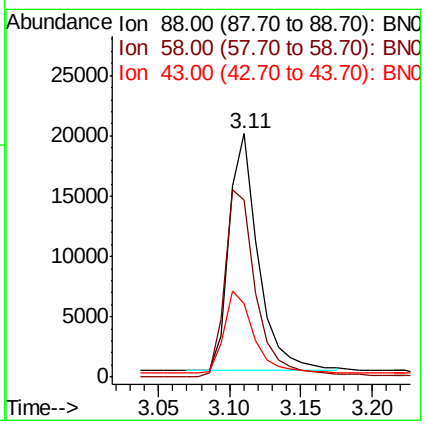


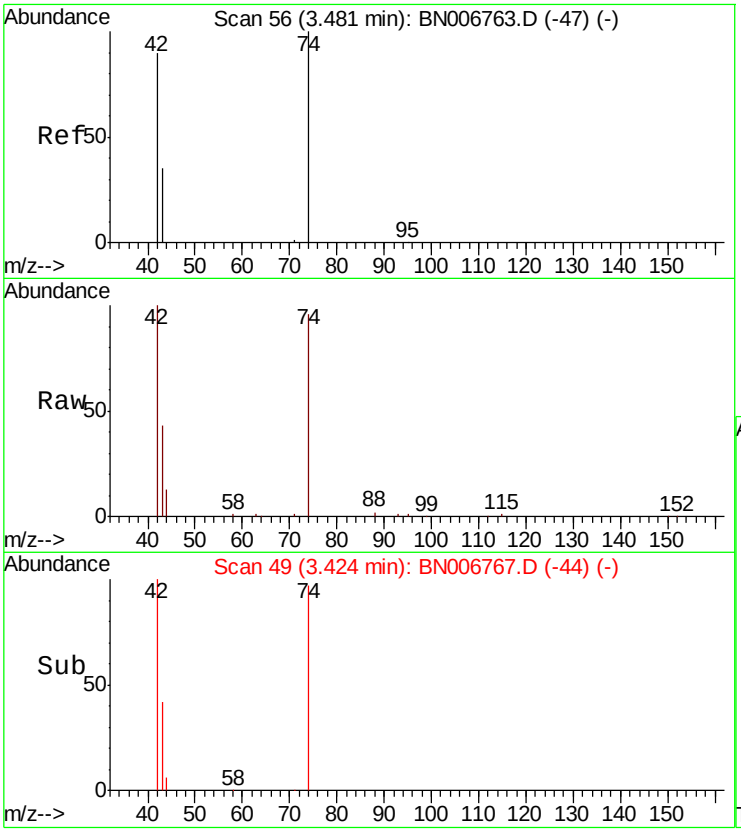


#2
1,4-Dioxane
Concen: 4.676 ng
RT: 3.11 min Scan# 10
Delta R.T. -0.00 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion: 88 Resp: 27953

Ion	Ratio	Lower	Upper
88	100		
58	83.5	61.8	92.6
43	34.8	27.9	41.9



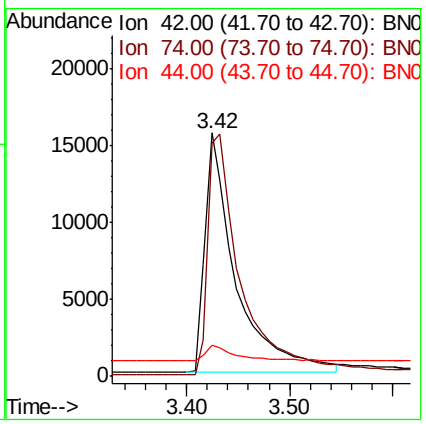


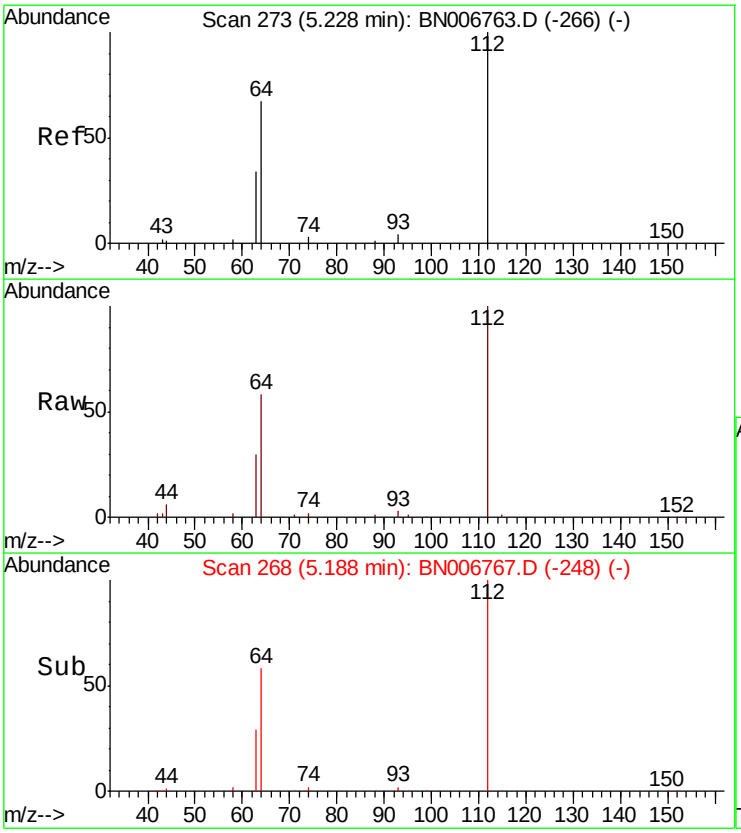
#3
n-Nitrosodimethylamine
Concen: 7.149 ng
RT: 3.42 min Scan# 49
Delta R.T. -0.06 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 32230

Ion	Ratio	Lower	Upper
42	100		
74	109.6	86.2	129.4
44	5.9	7.0	10.6#

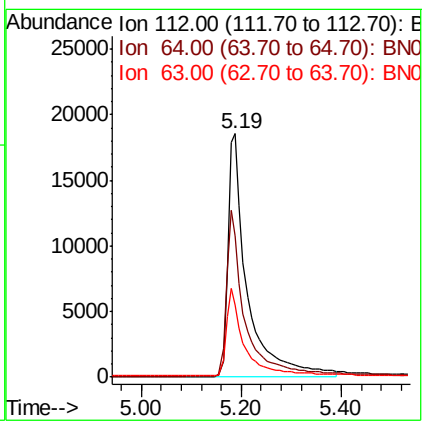


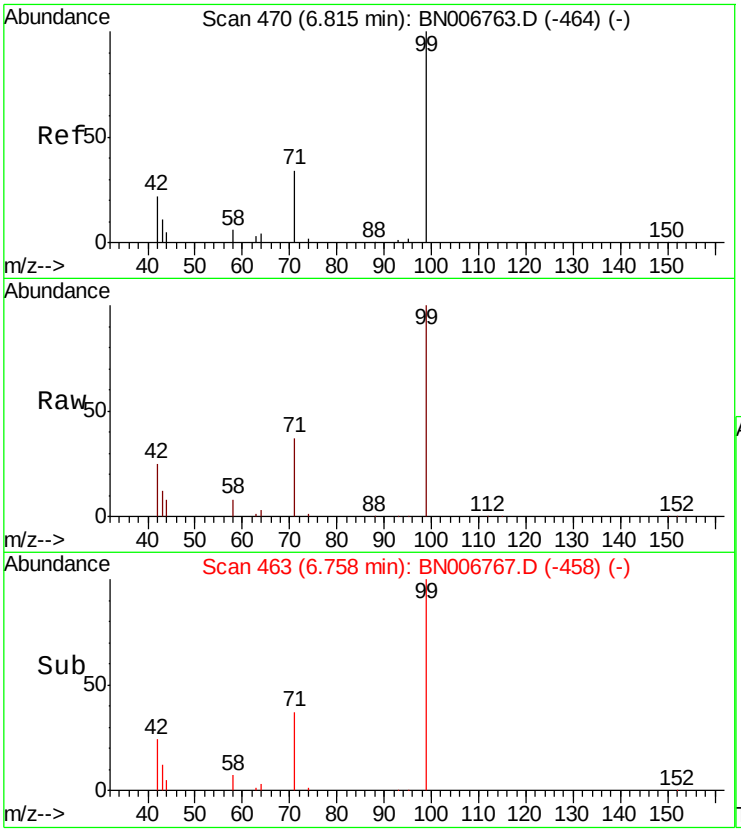


#4
2-Fluorophenol
Concen: 4.775 ng
RT: 5.19 min Scan# 268
Delta R.T. -0.04 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:112 Resp: 49590

Ion	Ratio	Lower	Upper
112	100		
64	65.2	52.7	79.1
63	34.1	27.7	41.5



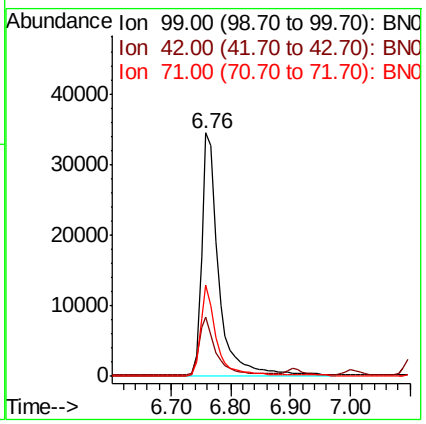


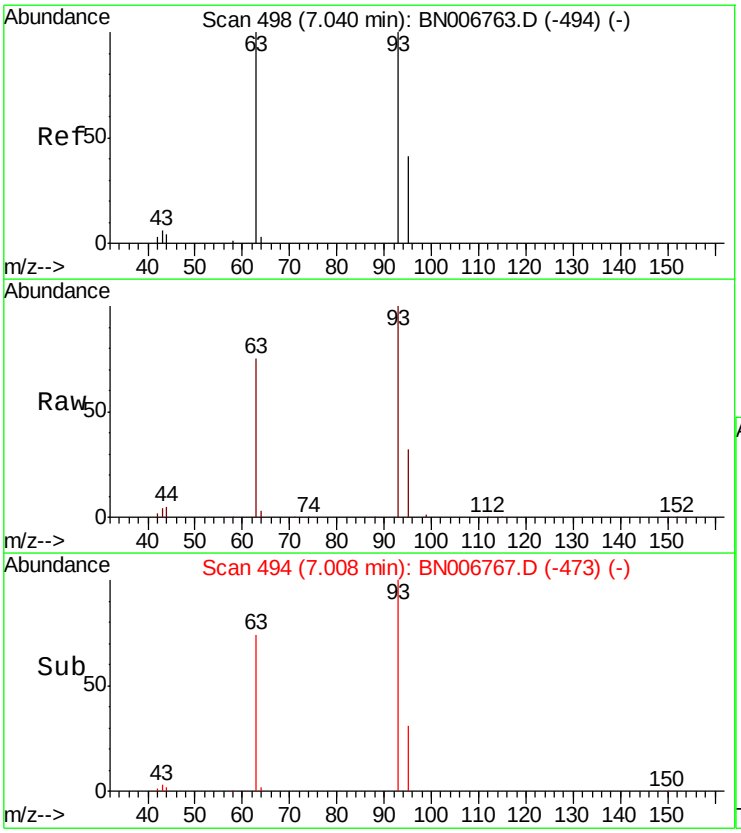
#5
Phenol-d6
Concen: 5.219 ng
RT: 6.76 min Scan# 463
Delta R.T. -0.06 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 68640

Ion	Ratio	Lower	Upper
99	100		
42	23.6	17.0	25.6
71	35.0	29.1	43.7

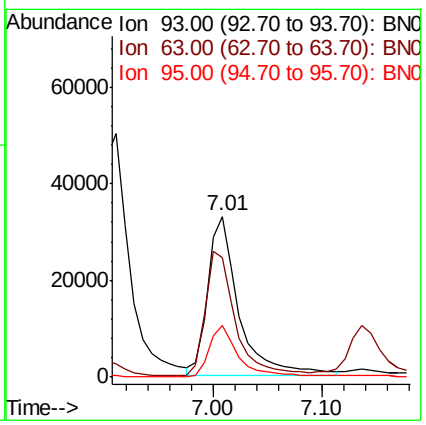


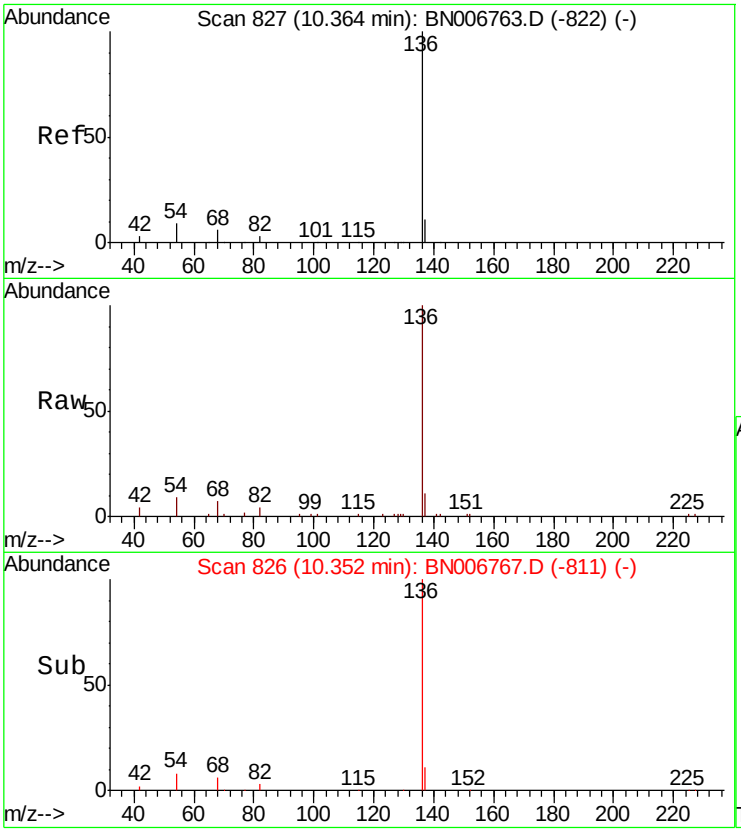


#6
bis(2-Chloroethyl)ether
Concen: 5.865 ng
RT: 7.01 min Scan# 494
Delta R.T. -0.03 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion: 93 Resp: 65160

Ion	Ratio	Lower	Upper
93	100		
63	76.0	48.6	73.0#
95	29.9	22.9	34.3



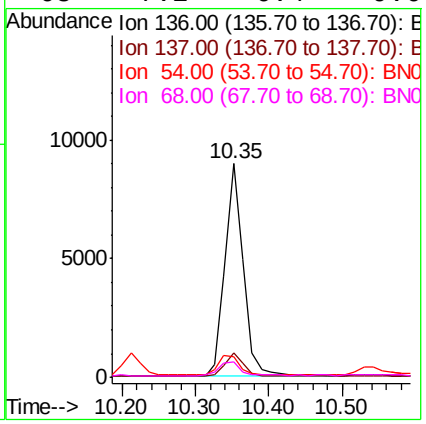


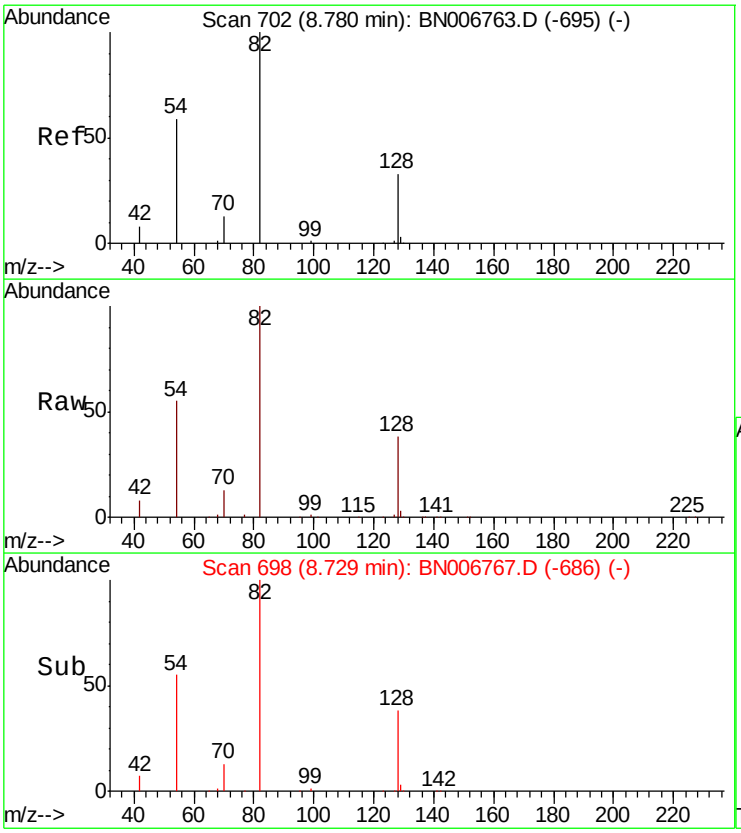
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.35 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 15416

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.5	14.3
54	9.5	8.4	12.6
68	7.2	6.4	9.6

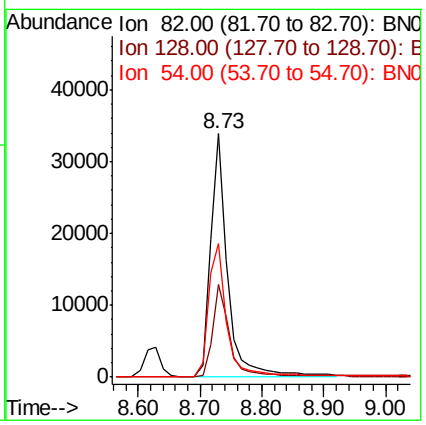


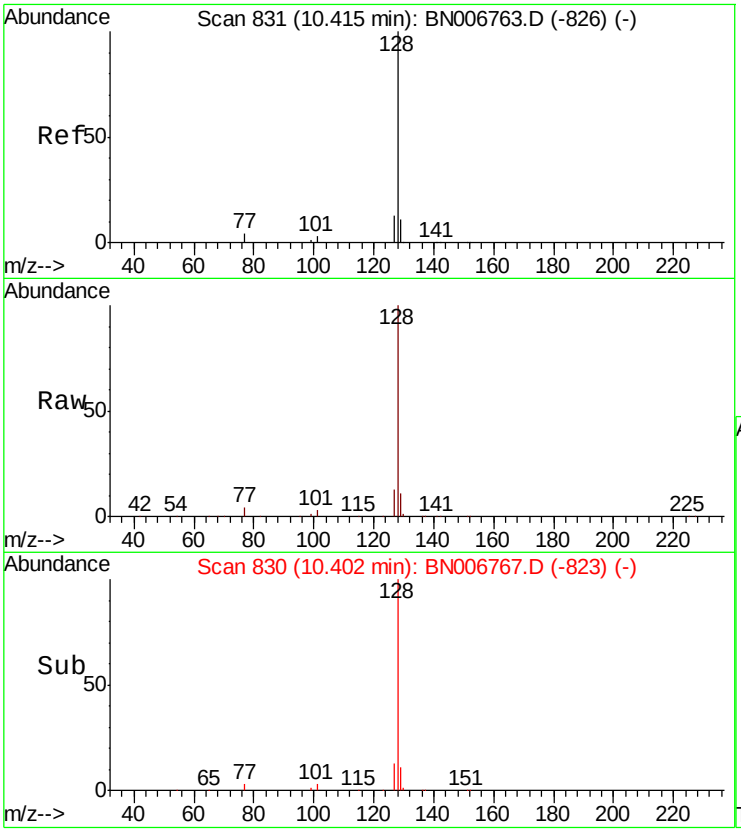


#8
Nitrobenzene-d5
Concen: 5.481 ng
RT: 8.73 min Scan# 698
Delta R.T. -0.05 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion: 82 Resp: 64806

Ion	Ratio	Lower	Upper
82	100		
128	38.3	33.0	49.6
54	54.8	52.2	78.2



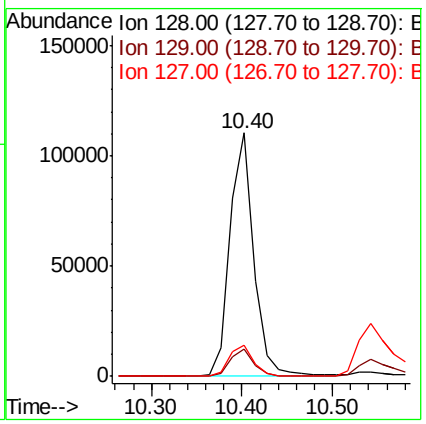


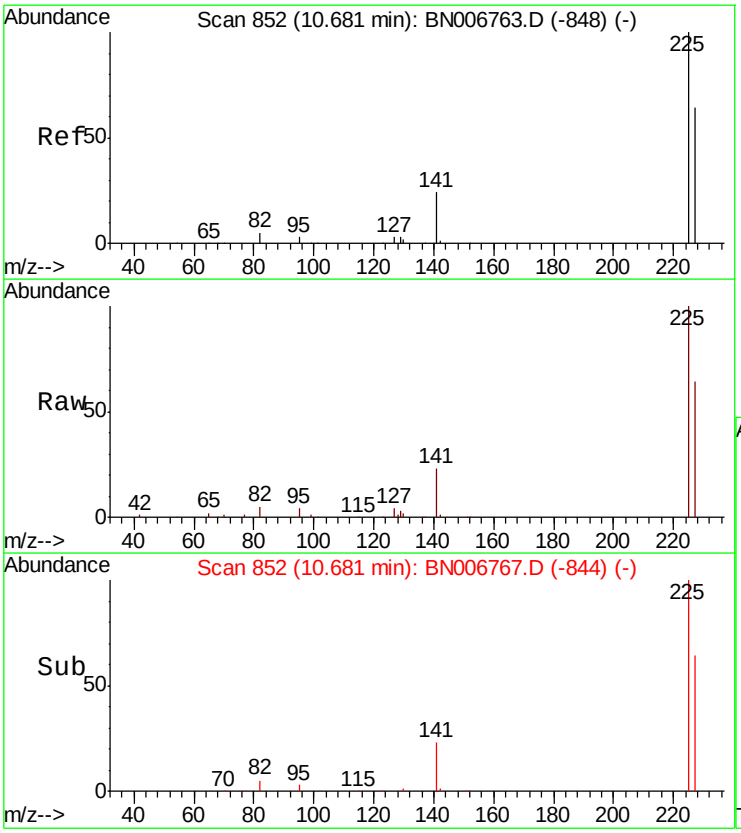
#9
Naphthalene
Concen: 4.779 ng
RT: 10.40 min Scan# 830
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 201543

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	12.9	11.0	16.4

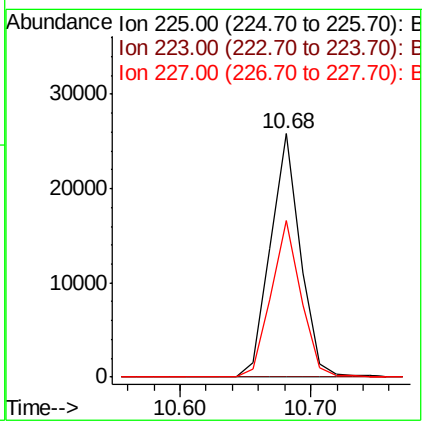


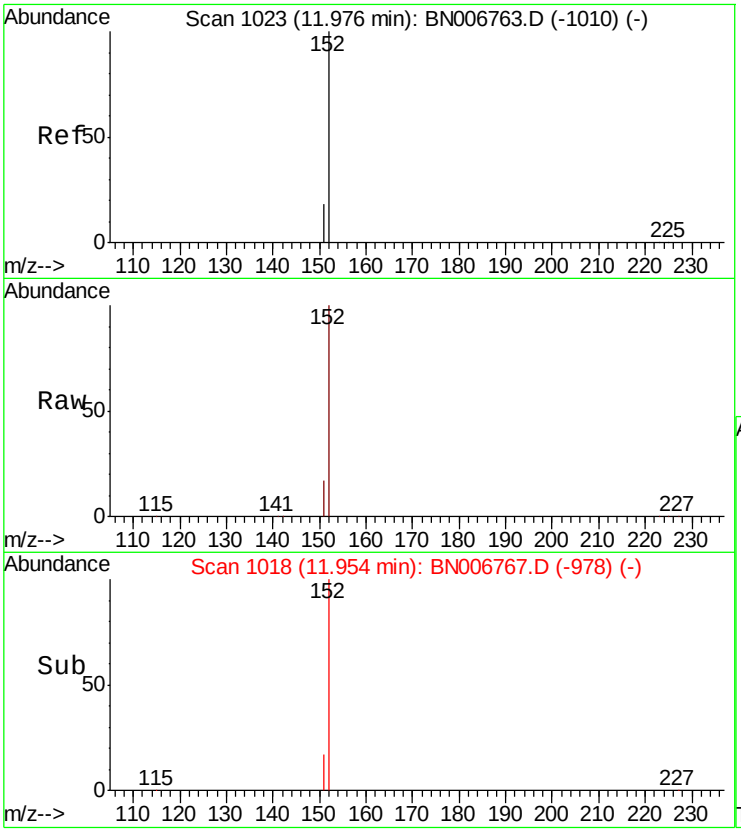


#10
Hexachlorobutadiene
Concen: 4.755 ng
RT: 10.68 min Scan# 852
Delta R.T. -0.00 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:225 Resp: 40596

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.8	76.2



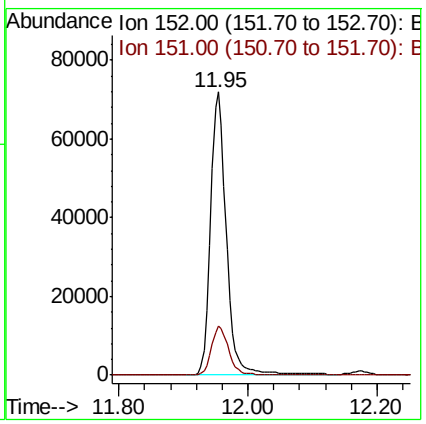


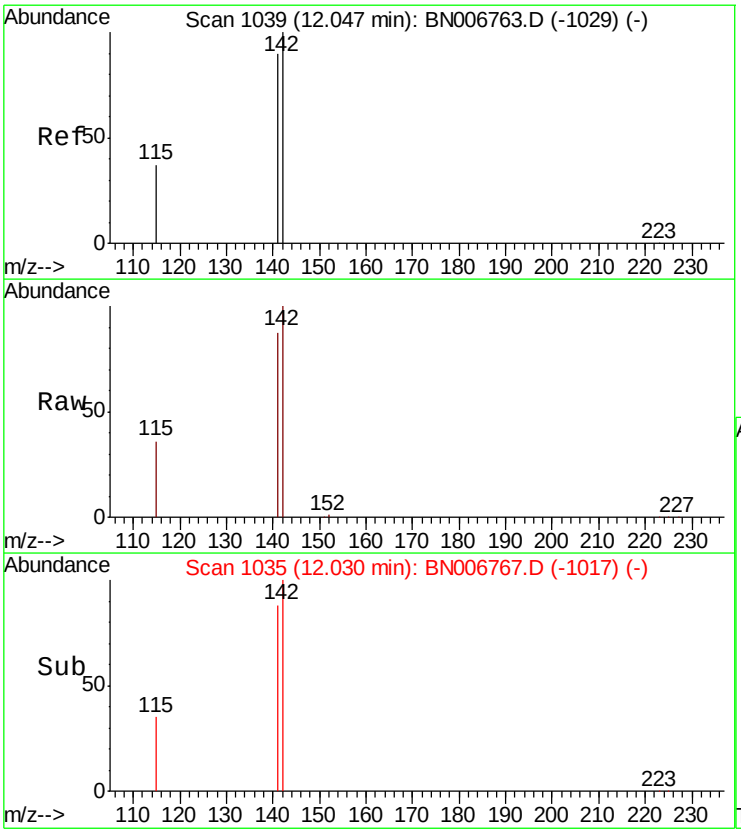
#11
2-Methylnaphthalene-d10
Concen: 5.255 ng
RT: 11.95 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 121784

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.1	22.7

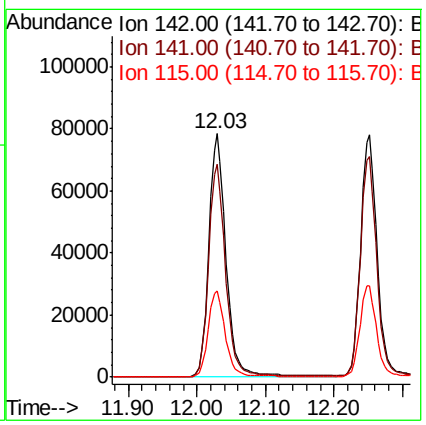


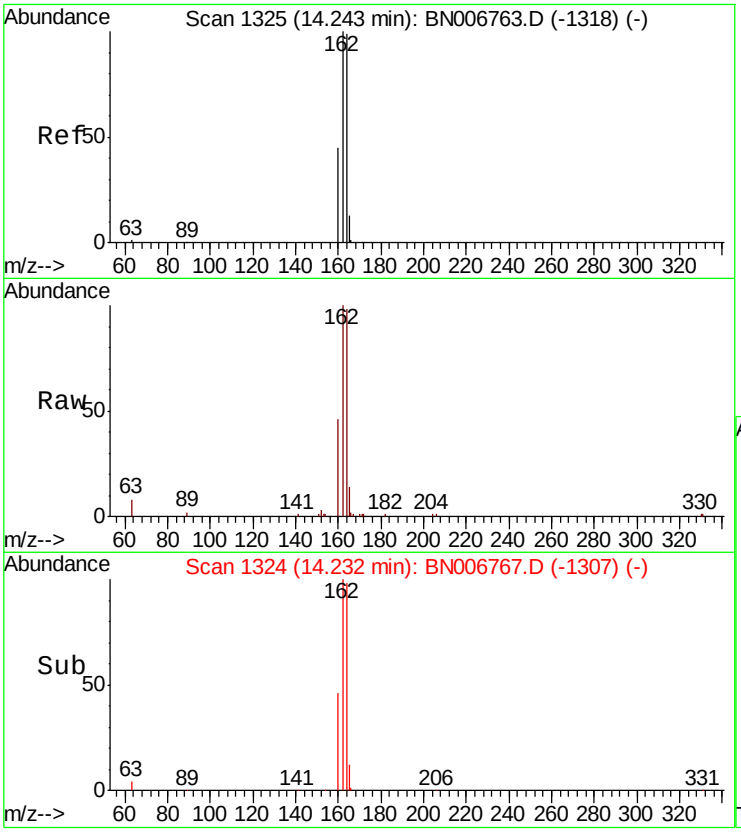


#12
2-Methylnaphthalene
Concen: 4.350 ng
RT: 12.03 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:142 Resp: 136121

Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.7	107.5
115	35.5	31.2	46.8



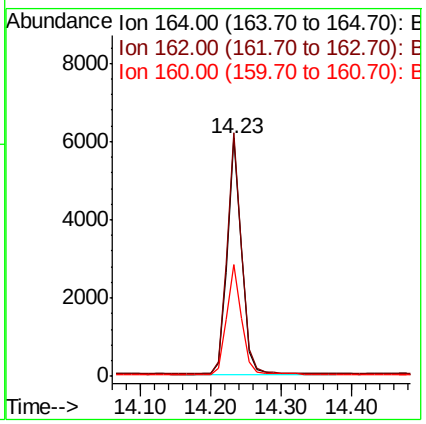


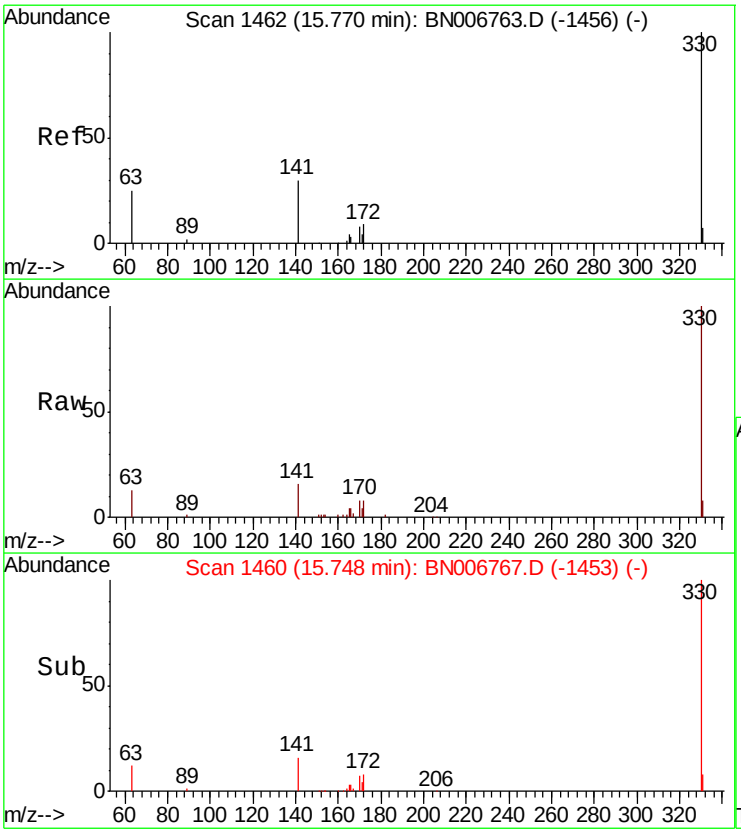
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.23 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 8679

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.0	121.4
160	46.9	37.4	56.0

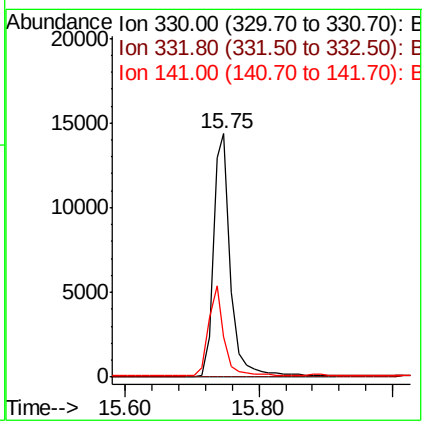


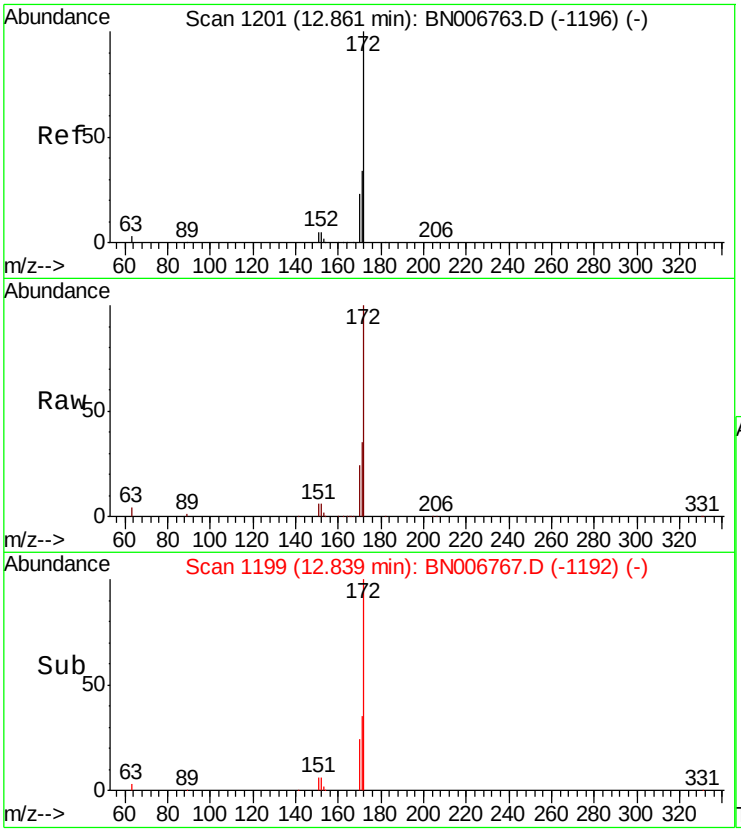


#14
2,4,6-Tribromophenol
Concen: 6.008 ng
RT: 15.75 min Scan# 1460
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:330 Resp: 25628

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.0	26.6	39.8



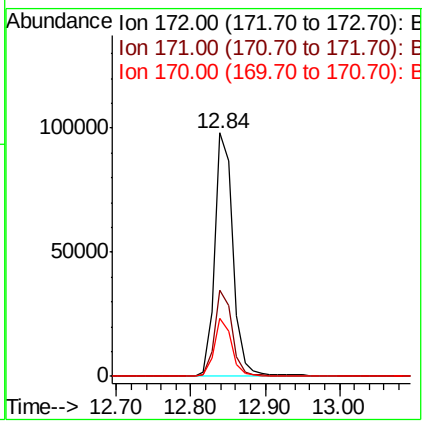


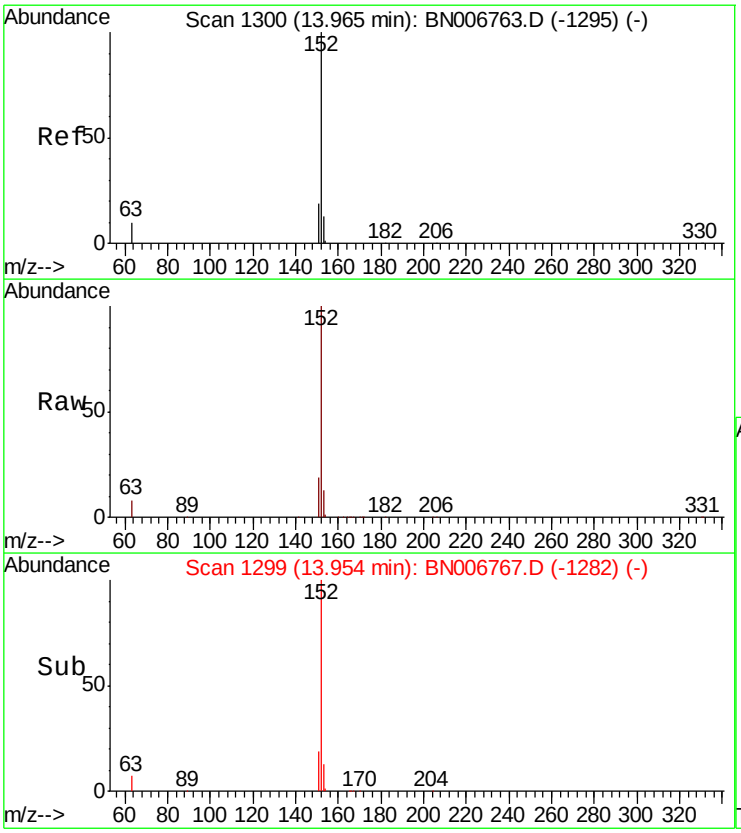
#15
2-Fluorobiphenyl
Concen: 4.907 ng
RT: 12.84 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 166579

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.6
170	23.9	19.0	28.6

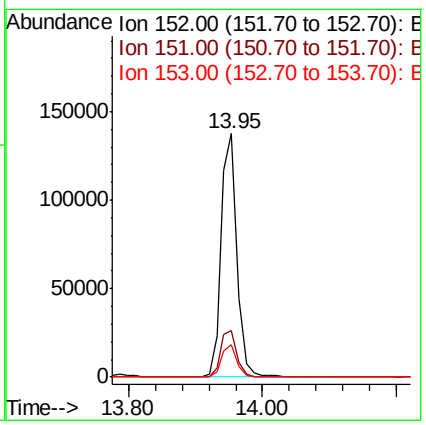


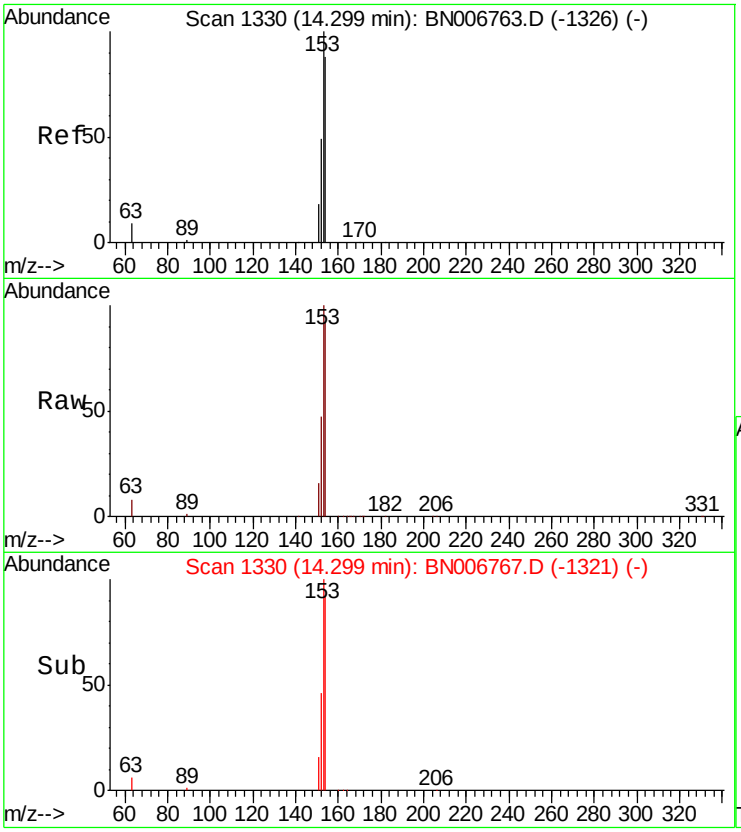


#16
Acenaphthylene
Concen: 5.215 ng
RT: 13.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:152 Resp: 225574

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.5	15.7



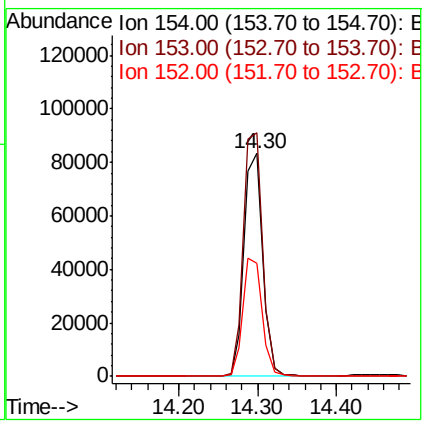


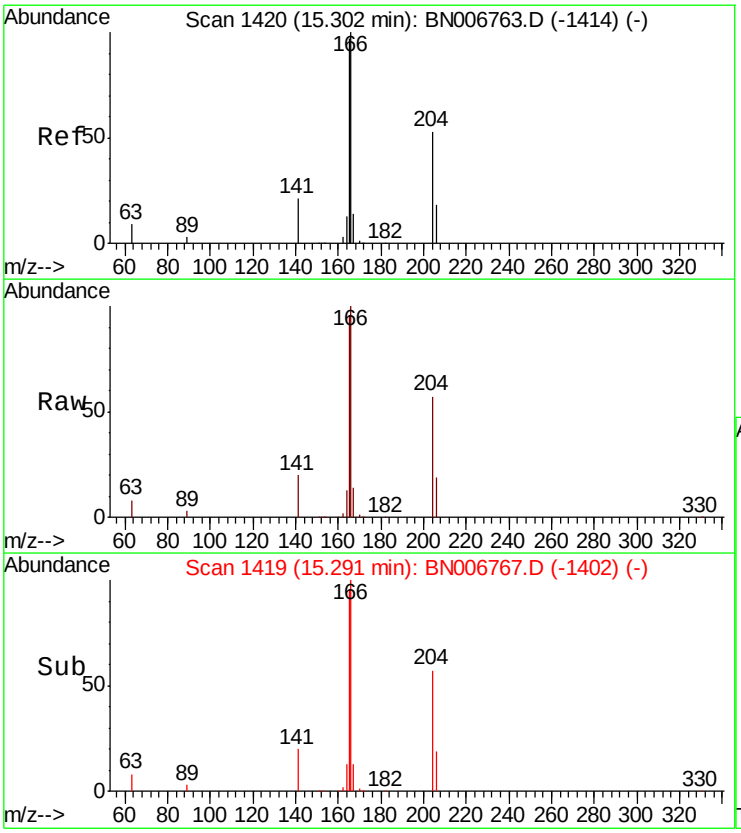
#17
Acenaphthene
Concen: 4.976 ng
RT: 14.30 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 137255

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.8	136.2
152	54.2	44.9	67.3

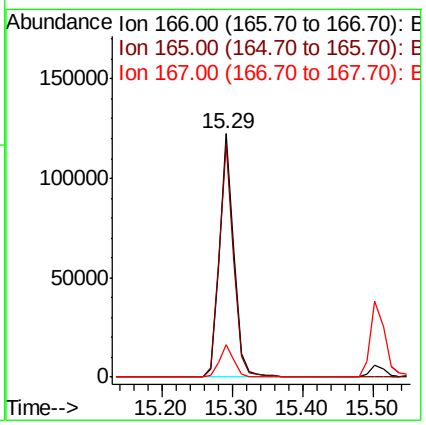


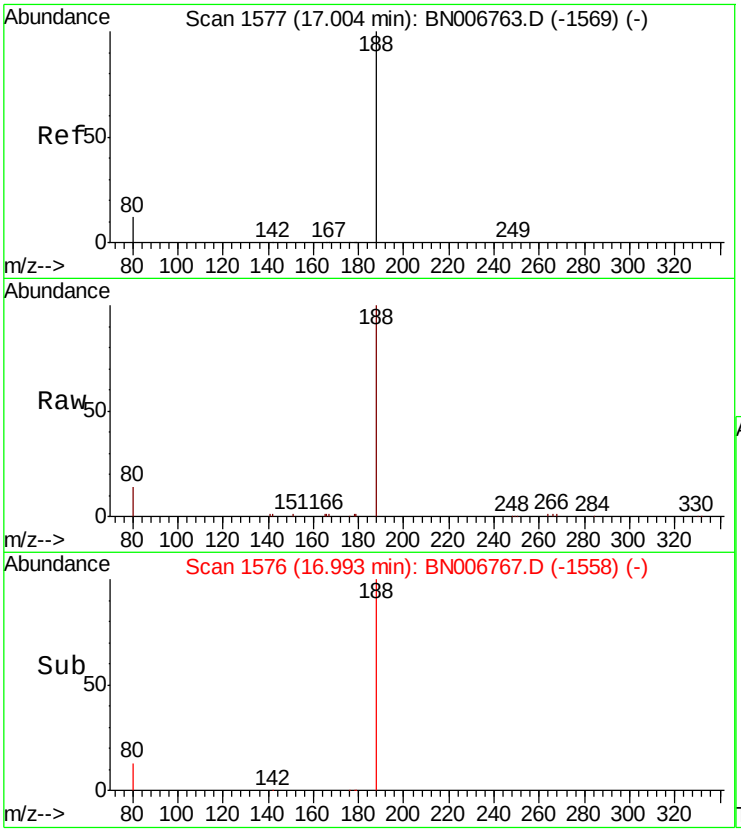


#18
Fluorene
Concen: 5.139 ng
RT: 15.29 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:166 Resp: 175965

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.2	117.4
167	13.5	10.9	16.3



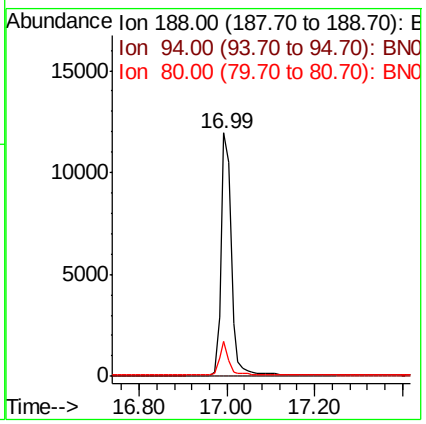


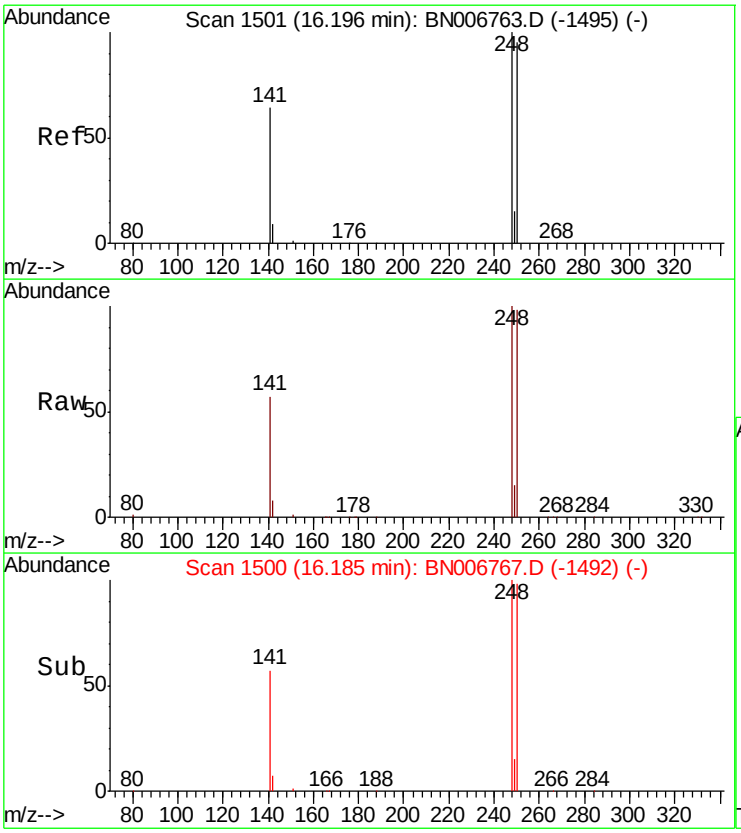
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 19240

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	10.1	15.1

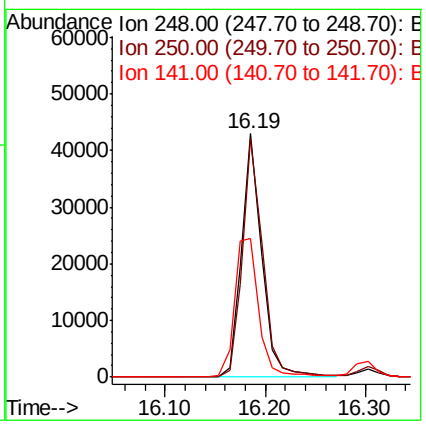


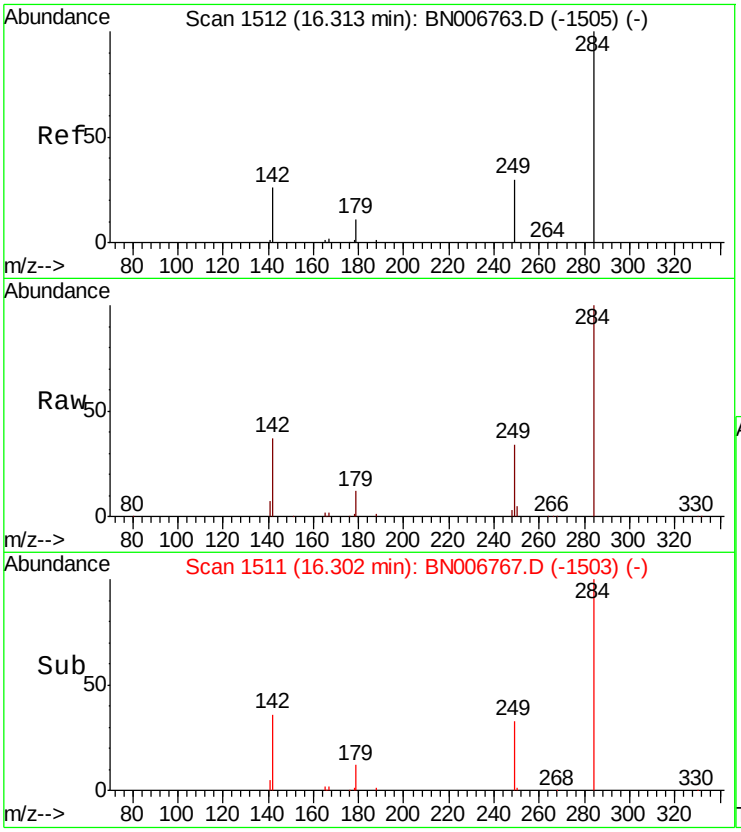


#20
4-Bromophenyl-phenylether
Concen: 5.304 ng
RT: 16.19 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:248 Resp: 60125

Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.5	114.7
141	56.8	53.2	79.8



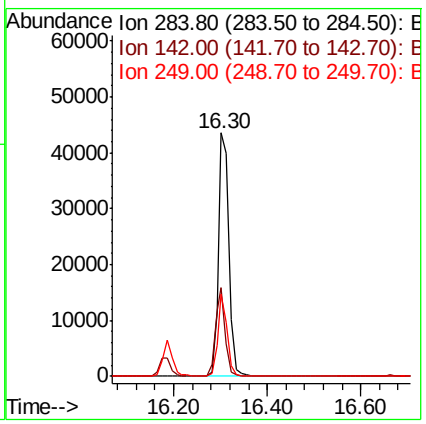


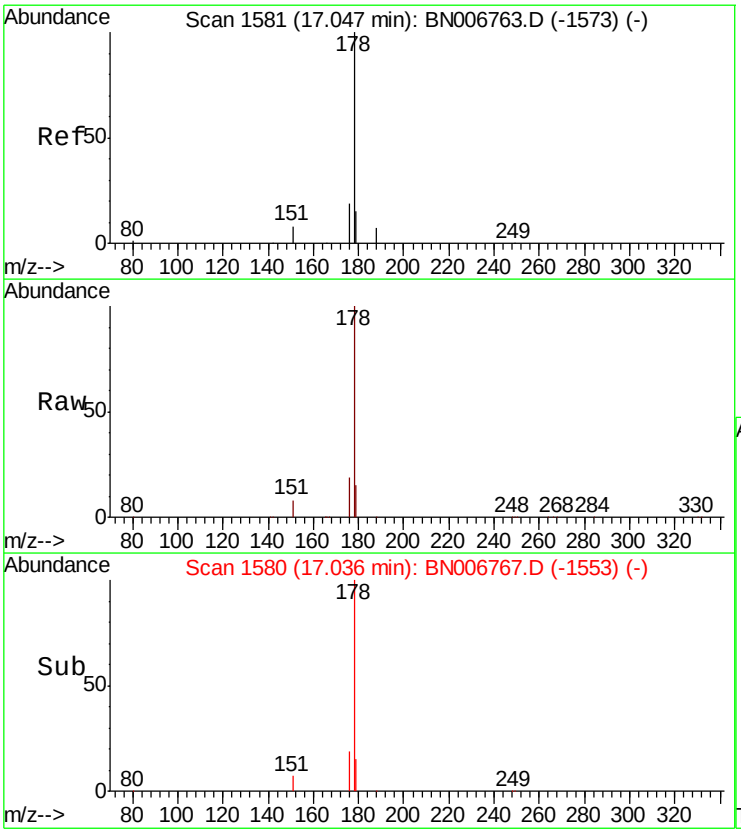
#21
Hexachlorobenzene
Concen: 5.116 ng
RT: 16.30 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 68990

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.4
249	30.5	24.3	36.5

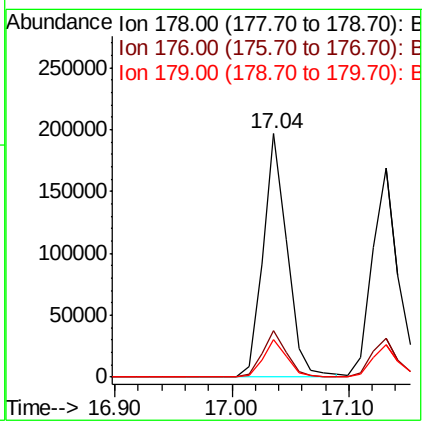


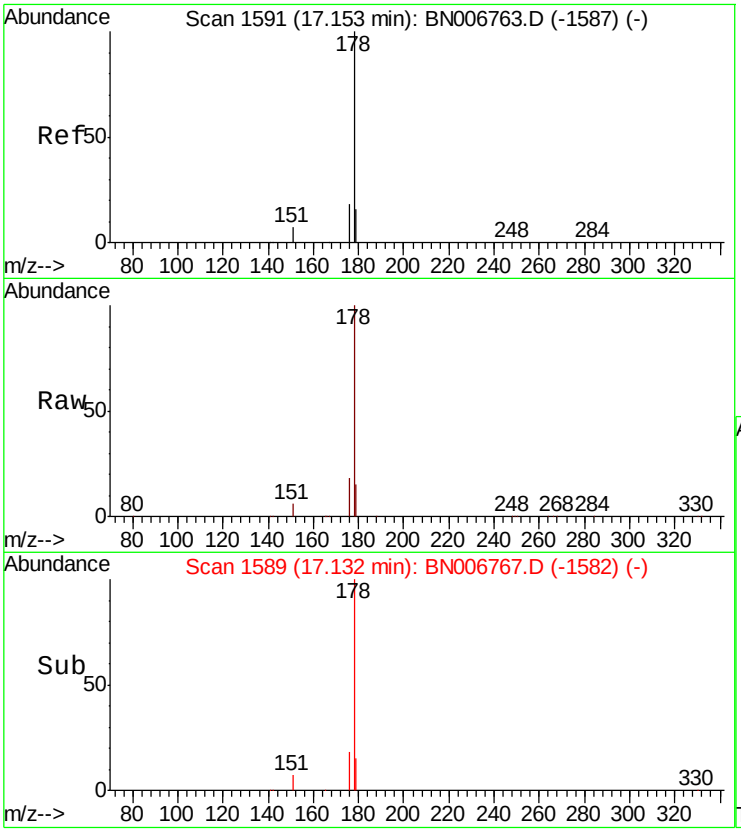


#23
Phenanthrene
Concen: 5.060 ng
RT: 17.04 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:178 Resp: 280609

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.3	12.2	18.2



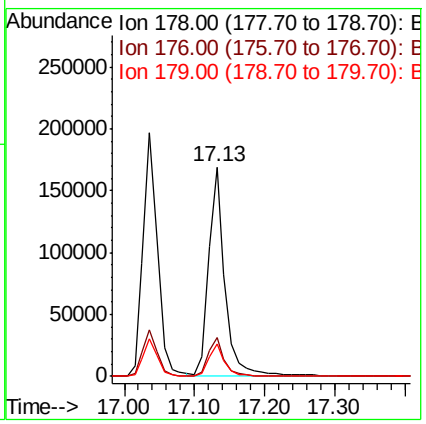


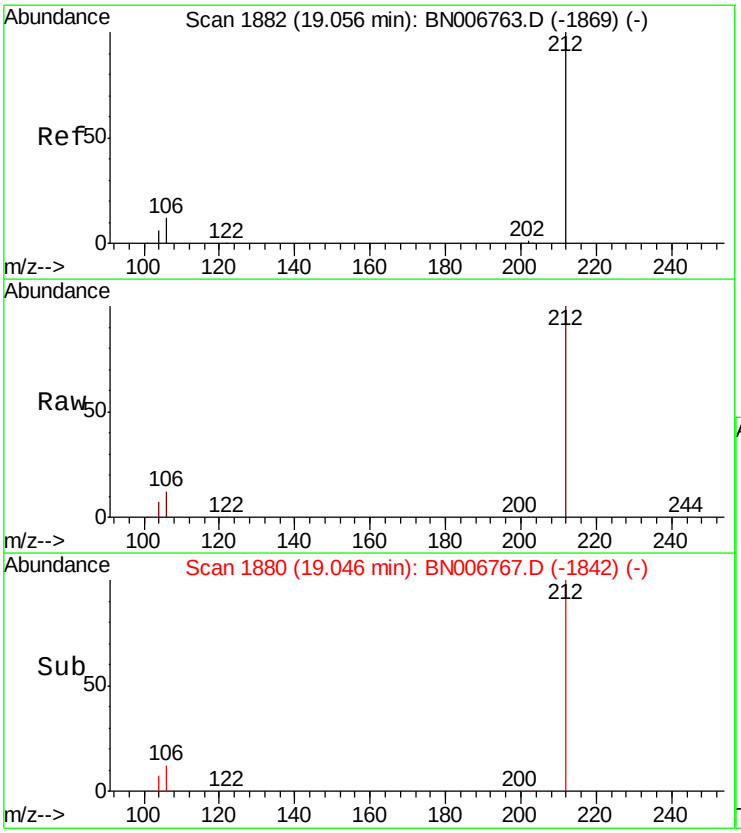
#24
Anthracene
Concen: 5.371 ng
RT: 17.13 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 269185

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.3	12.1	18.1

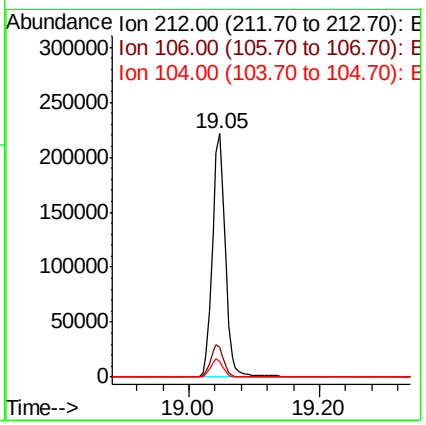


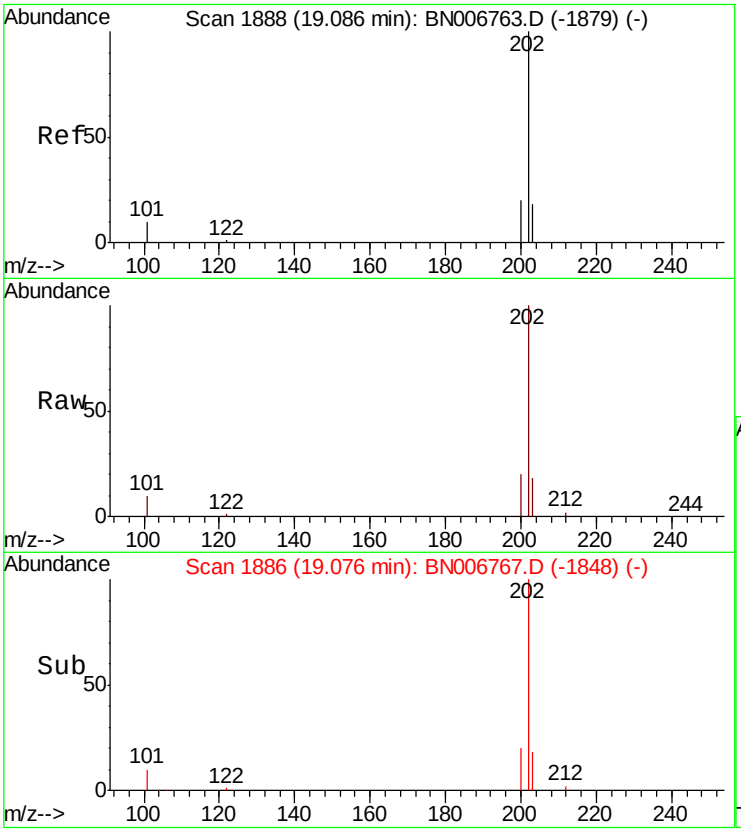


#25
Fluoranthene-d10
Concen: 5.577 ng
RT: 19.05 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:212 Resp: 306996

Ion	Ratio	Lower	Upper
212	100		
106	13.3	10.5	15.7
104	7.3	5.9	8.9



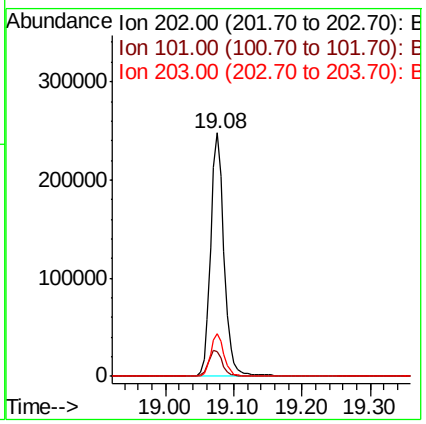


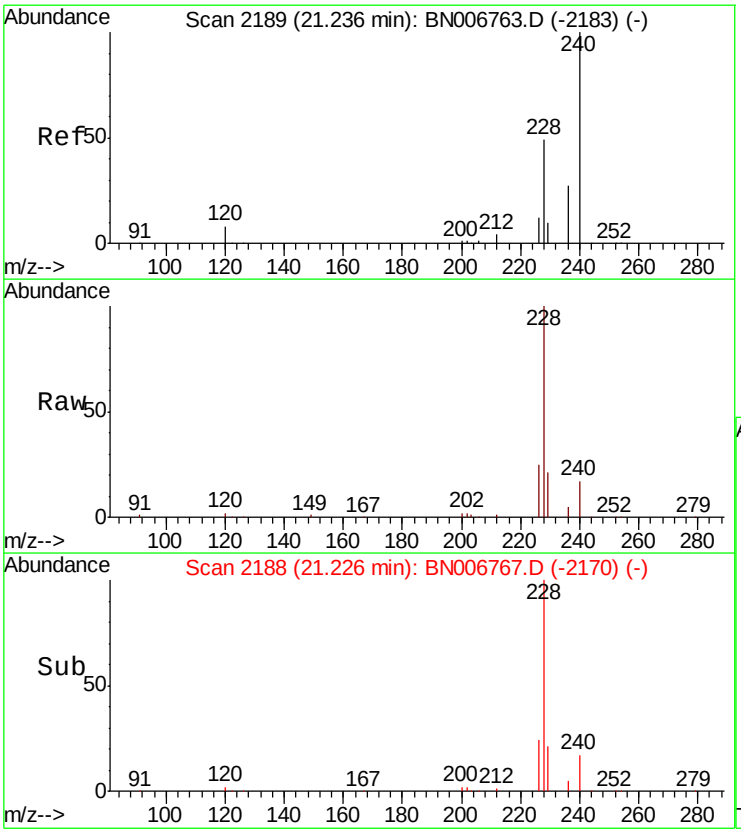
#26
Fluoranthene
Concen: 5.206 ng
RT: 19.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 338980

Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.8	13.2
203	17.3	13.6	20.4

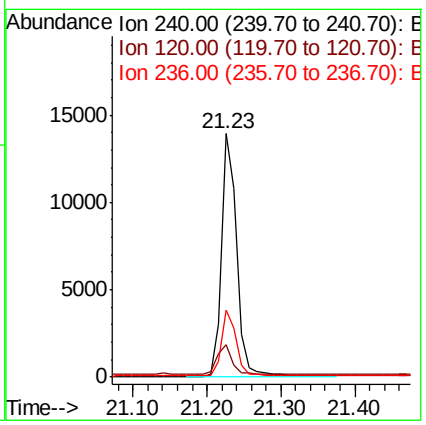


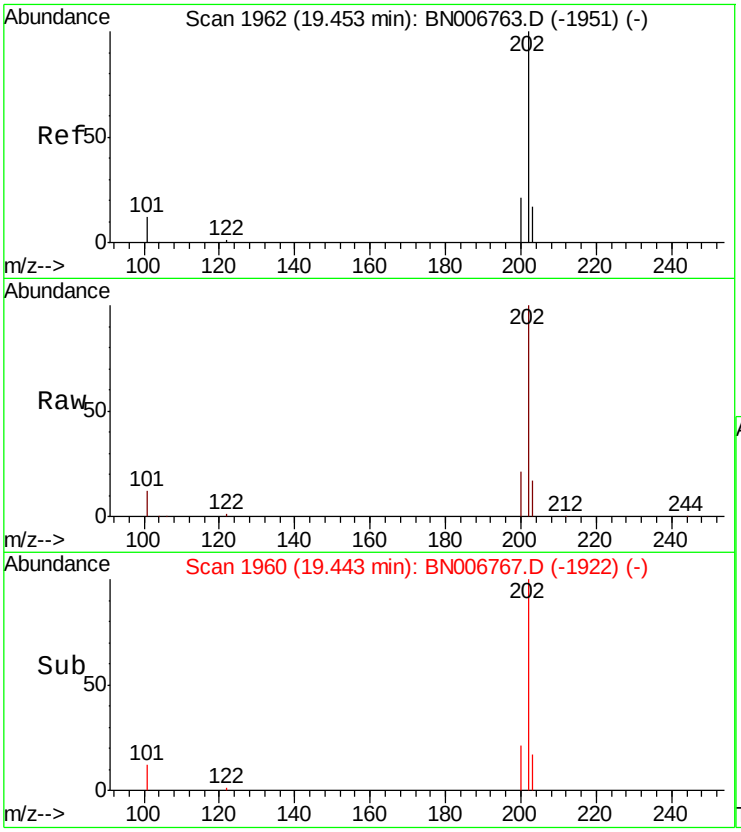


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:240 Resp: 20131

Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.1	12.1#
236	27.5	21.8	32.6



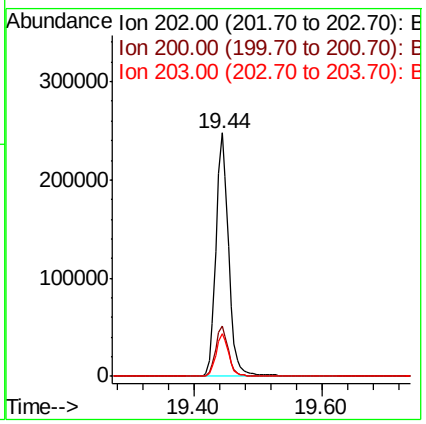


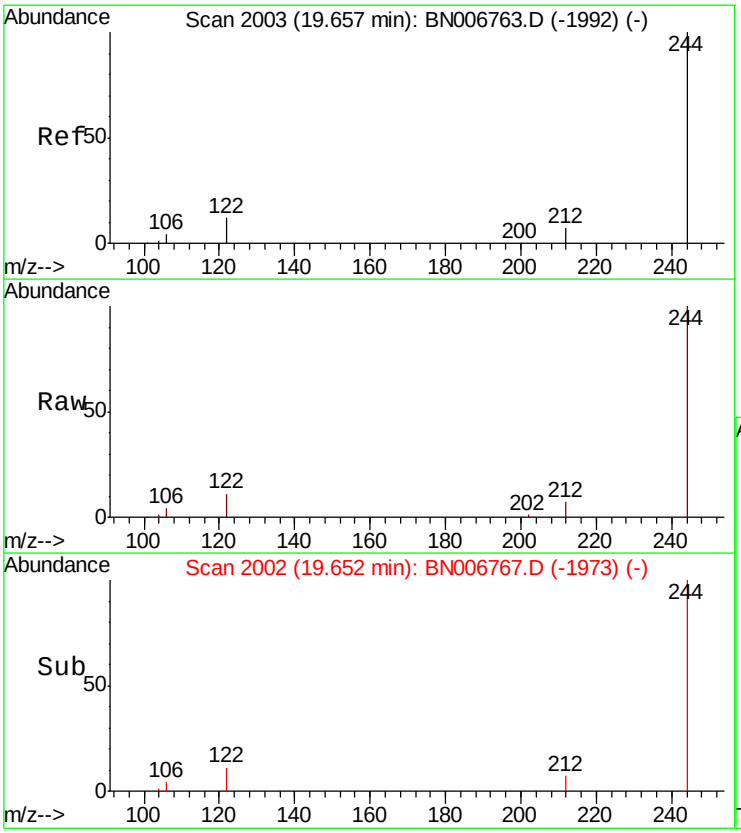
#28
Pyrene
Concen: 4.261 ng
RT: 19.44 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 343219

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.5	14.0	21.0

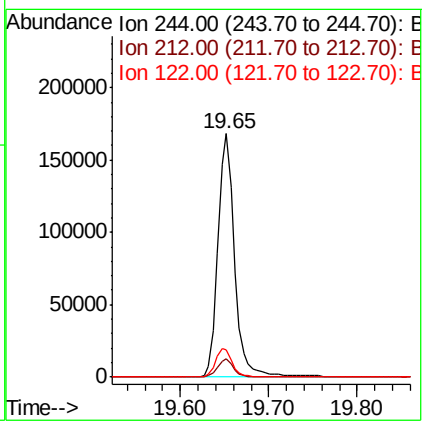


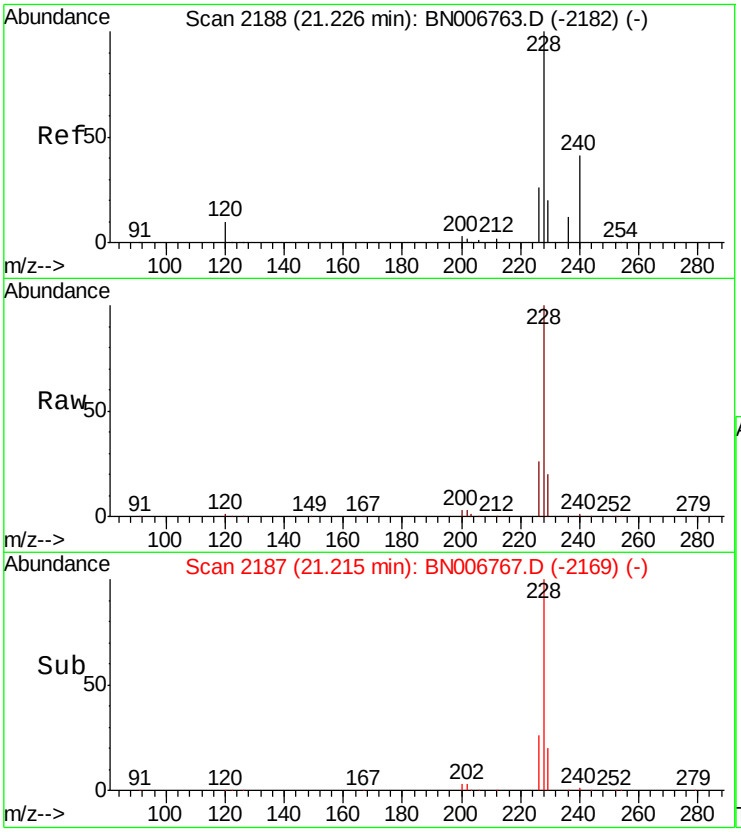


#29
Terphenyl-d14
Concen: 4.741 ng
RT: 19.65 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:244 Resp: 219742

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.2	10.3	15.5



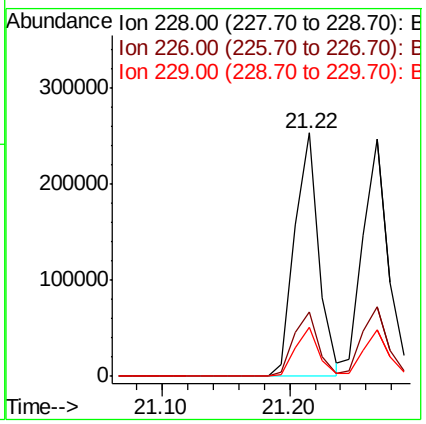


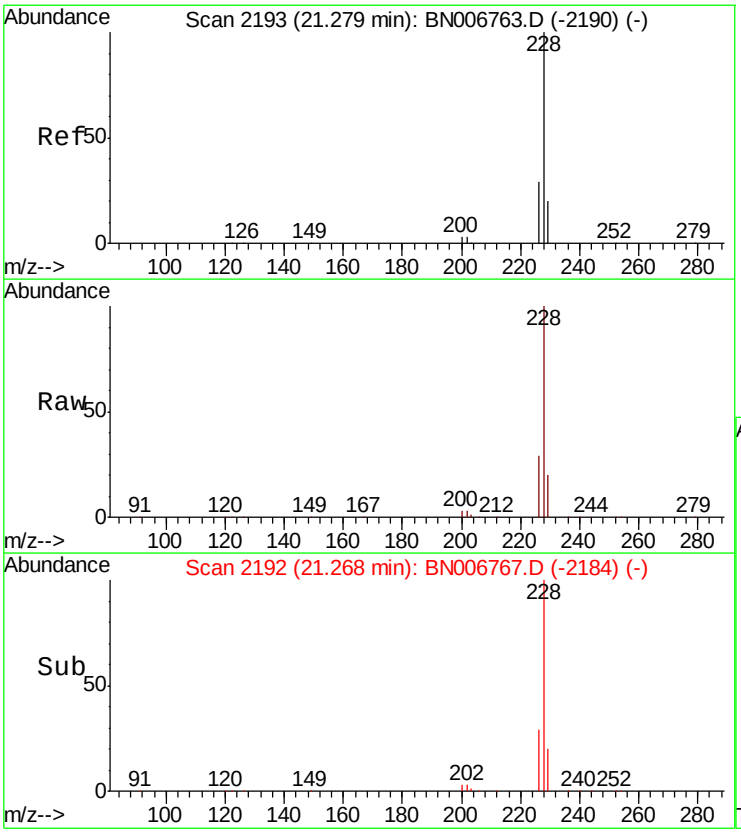
#30
Benzo(a)anthracene
Concen: 4.774 ng
RT: 21.22 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 331438

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.9	16.4	24.6

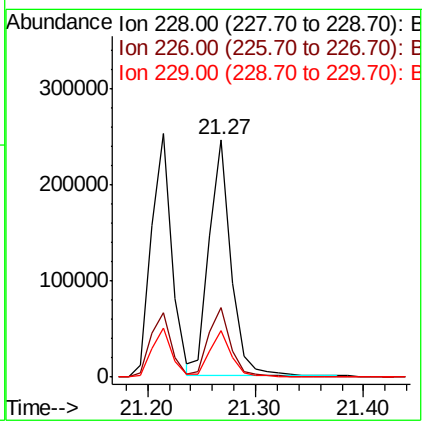


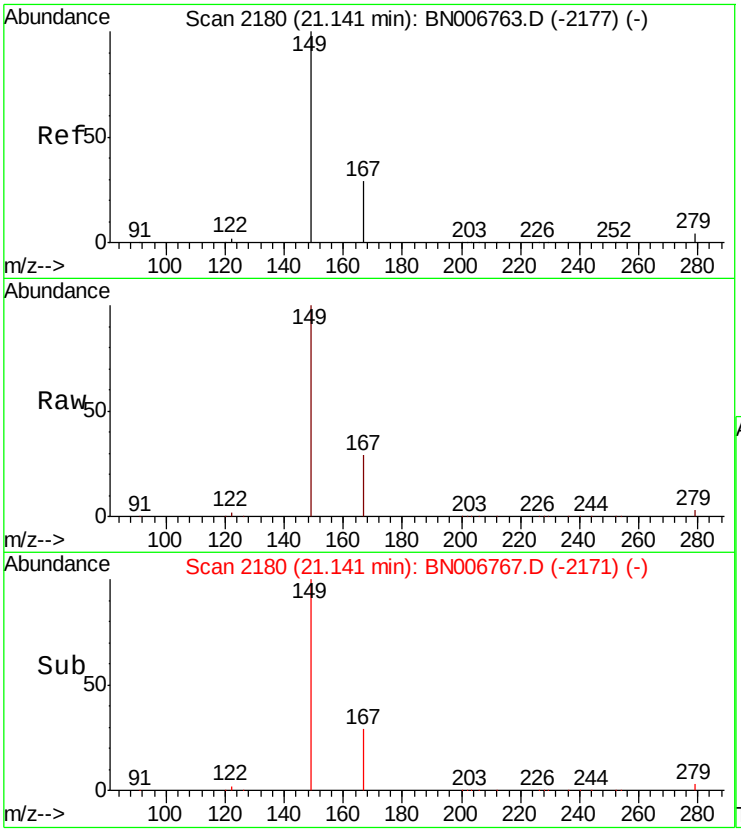


#31
Chrysene
Concen: 4.827 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:228 Resp: 345417

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.5	35.3
229	19.8	16.0	24.0



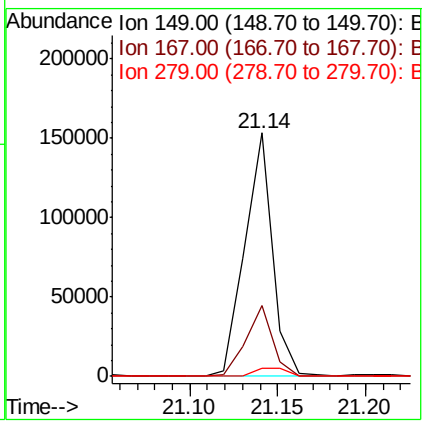


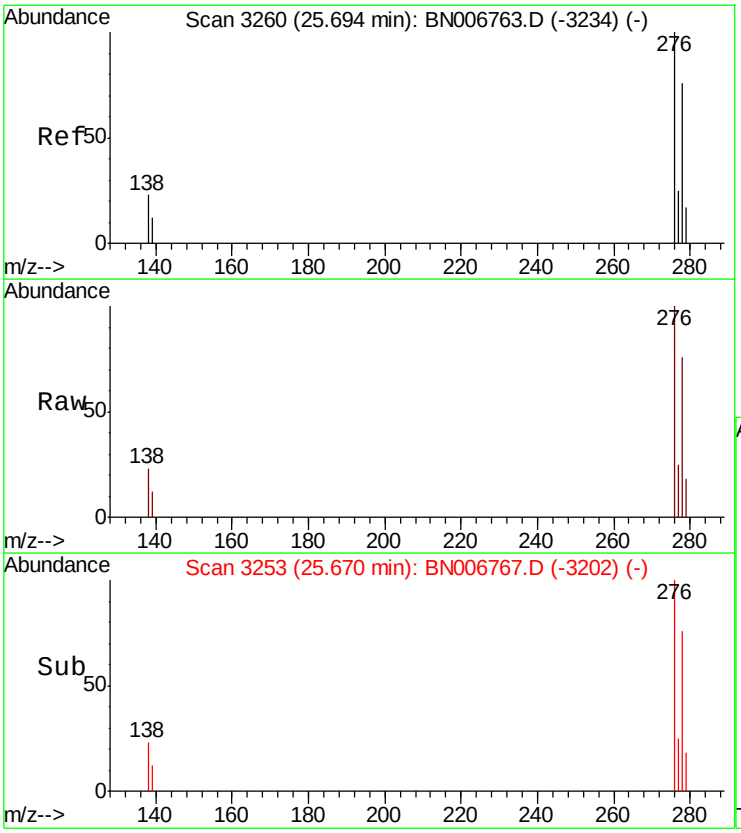
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.798 ng
RT: 21.14 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:149 Resp: 165277

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.9	34.3
279	4.4	3.7	5.5

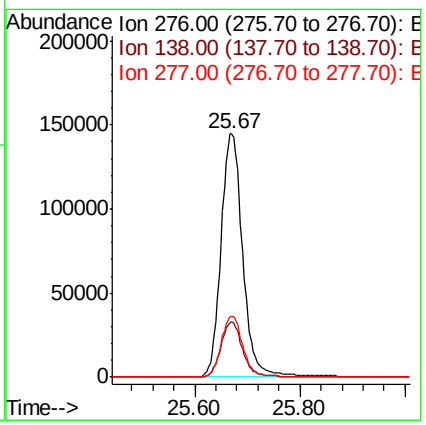


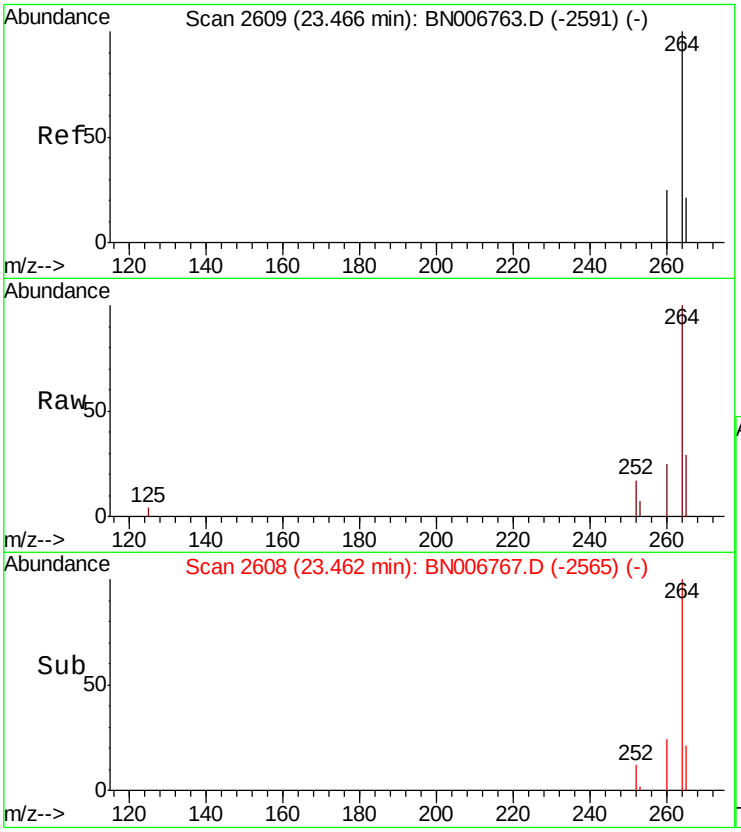


#33
Indeno(1,2,3-cd)pyrene
Concen: 4.867 ng
RT: 25.67 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:276 Resp: 416559

Ion	Ratio	Lower	Upper
276	100		
138	22.7	17.9	26.9
277	25.1	19.8	29.8



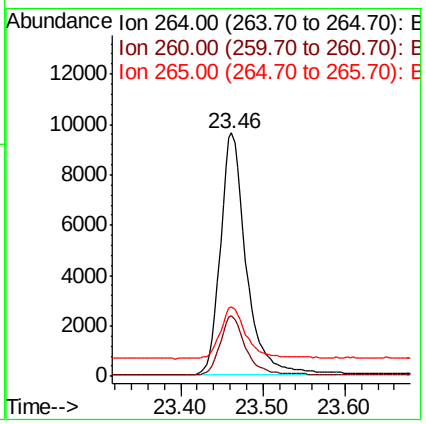


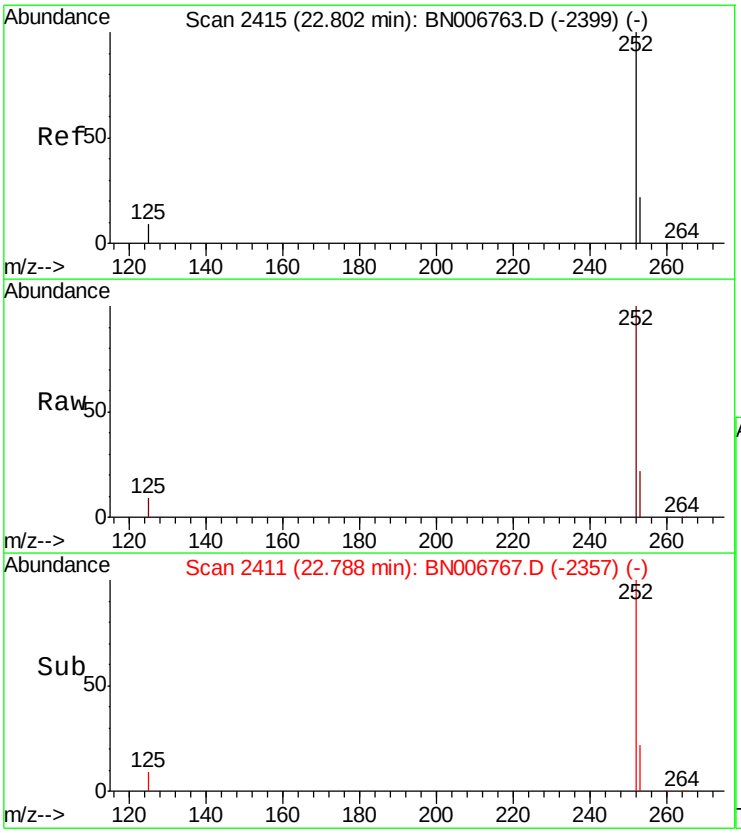
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2608
Delta R.T. -0.00 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 20854

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.4
265	28.7	24.6	37.0

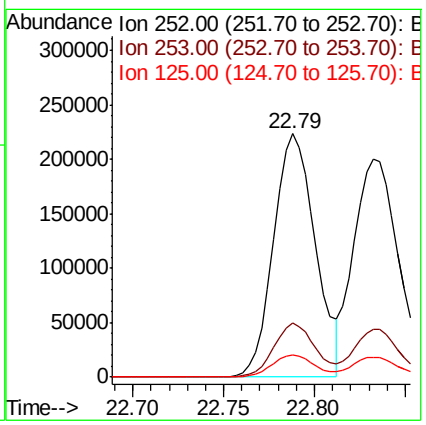


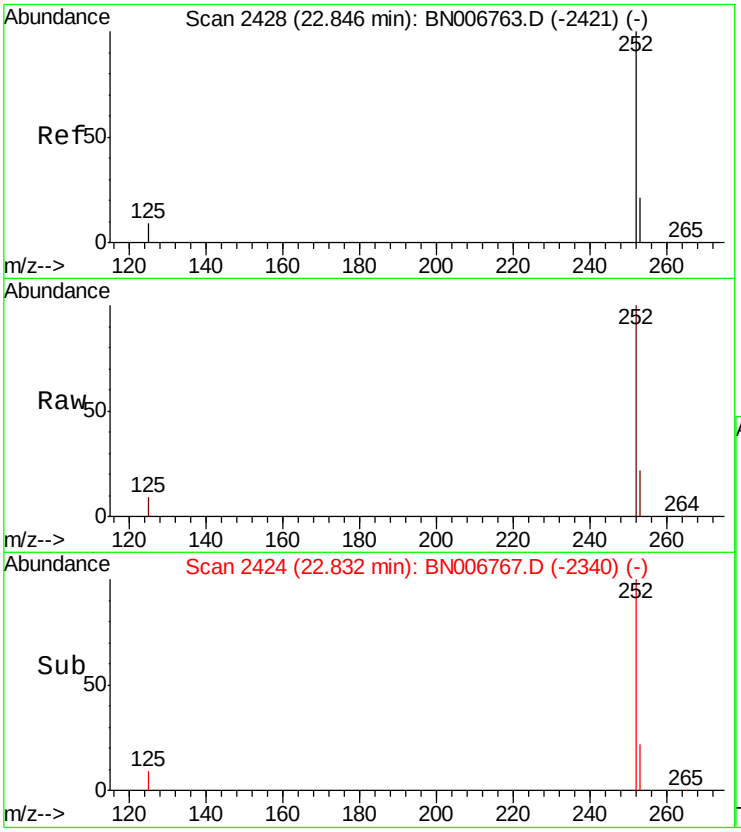


#35
Benzo(b)fluoranthene
Concen: 5.341 ng
RT: 22.79 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:252 Resp: 357518

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.9	28.3
125	9.2	8.5	12.7



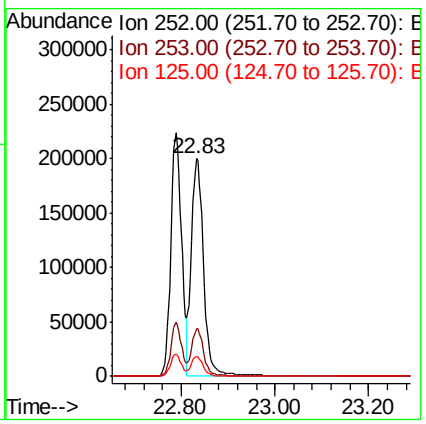


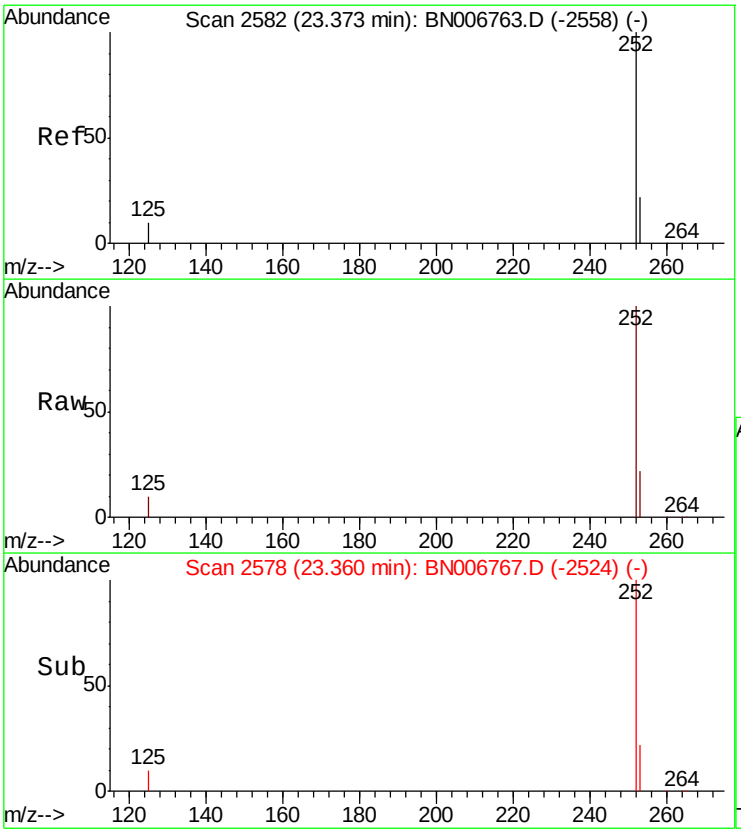
#36
Benzo(k)fluoranthene
Concen: 4.996 ng
RT: 22.83 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 362655

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.9	28.3
125	9.2	8.4	12.6

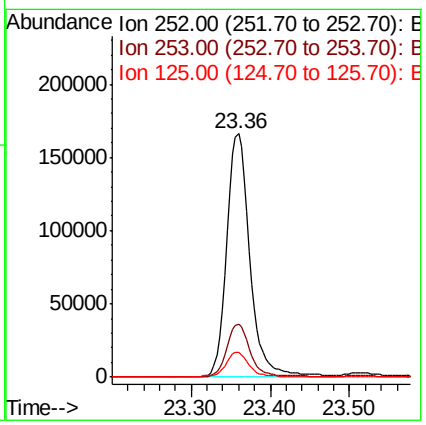


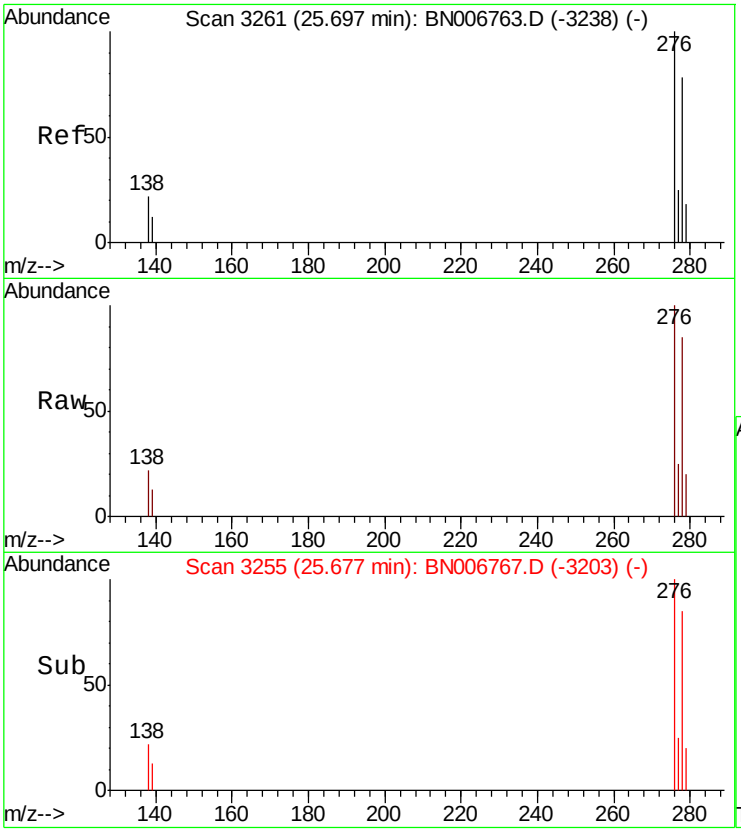


#37
Benzo(a)pyrene
Concen: 5.191 ng
RT: 23.36 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:252 Resp: 336594

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.5	29.3
125	10.1	9.5	14.3



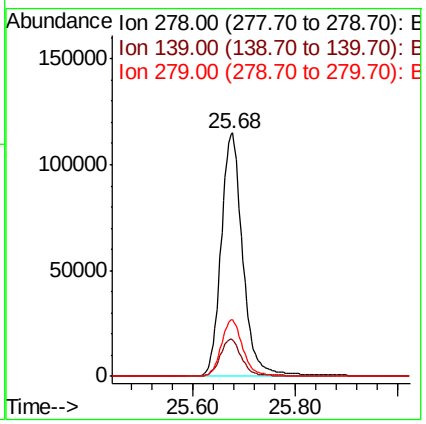


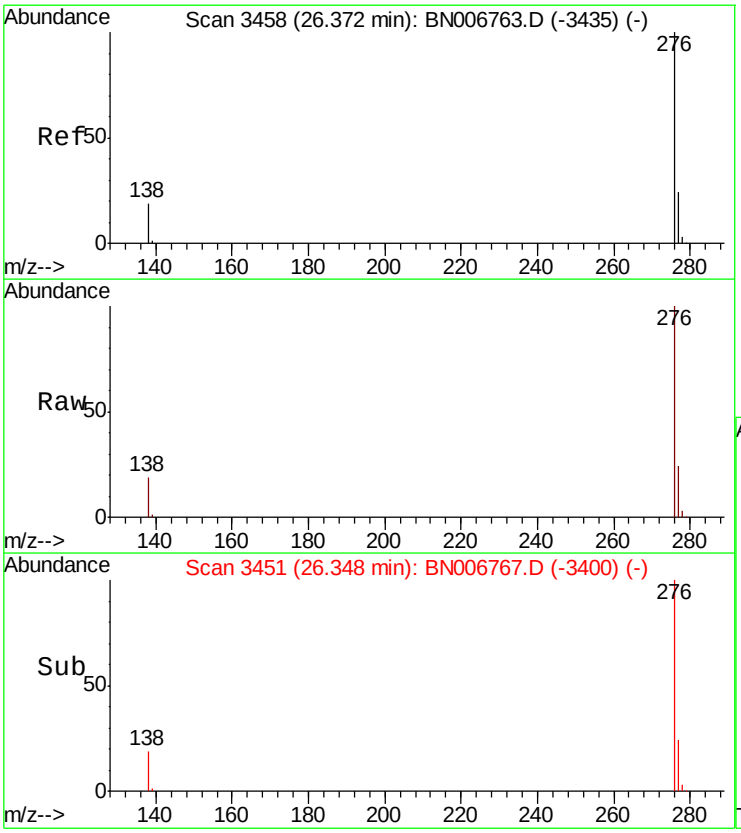
#38
Dibenzo(a,h)anthracene
Concen: 5.226 ng
RT: 25.68 min Scan# 3255
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 336669

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.1	19.7
279	23.3	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 5.140 ng
RT: 26.35 min Scan# 3451
Delta R.T. -0.02 min
Lab File: BN006767.D
Acq: 09 Jul 2019 12:07

Tgt Ion:276 Resp: 340783

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.2
138	19.5	16.2	24.4