Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007110.D
Acq On : 13 Aug 2019 02:06
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Aug 13 06:28:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9093	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	34780	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	19857	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	46799	0.40	ng		0.00
26) Chrysene-d12	21.05	240	48300	0.40	ng		-0.01
32) Perylene-d12	23.15	264	53122	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	8810	0.40	ng		0.00
4) Phenol-d6	6.61	99	11411	0.42	ng		0.00
7) Nitrobenzene-d5	8.56	82	10964	0.39	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	24191	0.37	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	3302	0.31	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	5944	0.21	ng		0.00
24) Fluoranthene-d10	18.87	212	60121	0.36	ng		0.00
28) Terphenyl-d14	19.49	244	52170	0.40	ng		-0.01
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	3.36	42	2077	0.347	ng	#	98
5) bis(2-Chloroethyl)ether	6.87	93	9600	0.401	ng		99
8) Naphthalene	10.24	128	36860	0.378	ng		99
9) Hexachlorobutadiene	10.54	225	7929	0.381	ng	#	99
11) 2-Methylnaphthalene	11.87	142	25788	0.373	ng		99
15) Acenaphthylene	13.79	152	40087	0.386	ng		100
16) Acenaphthene	14.13	154	24877	0.374	ng		99
17) Fluorene	15.12	166	32601	0.328	ng		100
19) 4-Bromophenyl-phenylether	16.03	248	11462	0.396	ng	#	83
20) Hexachlorobenzene	16.14	284	11458	0.412	ng		100
21) Pentachlorophenol	16.48	266	3831	0.369	ng		97
22) Phenanthrene	16.87	178	54980	0.392	ng		100
23) Anthracene	16.95	178	49480	0.386	ng		100
25) Fluoranthene	18.90	202	66025	0.368	ng		100
27) Pyrene	19.26	202	67519	0.399	ng		100
29) Benzo(a)anthracene	21.02	228	68536	0.388	ng		99
30) Chrysene	21.08	228	68345	0.398	ng		100
31) Indeno(1,2,3-cd)pyrene	25.23	276	80771	0.427	ng		99
33) Benzo(b)fluoranthene	22.53	252	71249	0.391	ng		100
34) Benzo(k)fluoranthene	22.58	252	67314	0.374	ng		99
35) Benzo(a)pyrene	23.06	252	64775	0.392	ng		100
36) Dibenzo(a,h)anthracene	25.25	278	65423	0.397	ng		98
37) Benzo(g,h,i)perylene	25.85	276	66030	0.390	ng		99

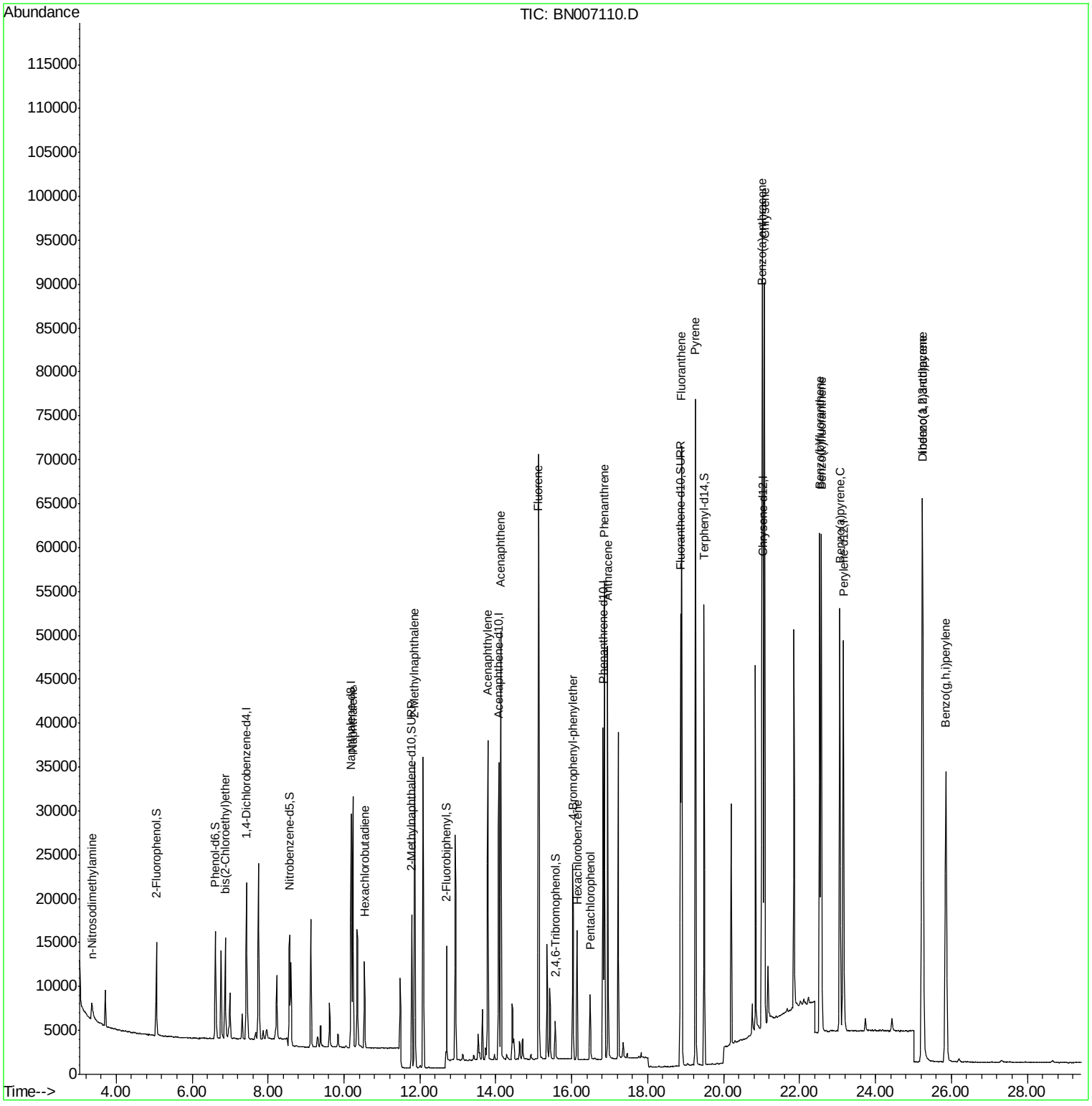
(#) = qualifier out of range (m) = manual integration (+) = signals summed

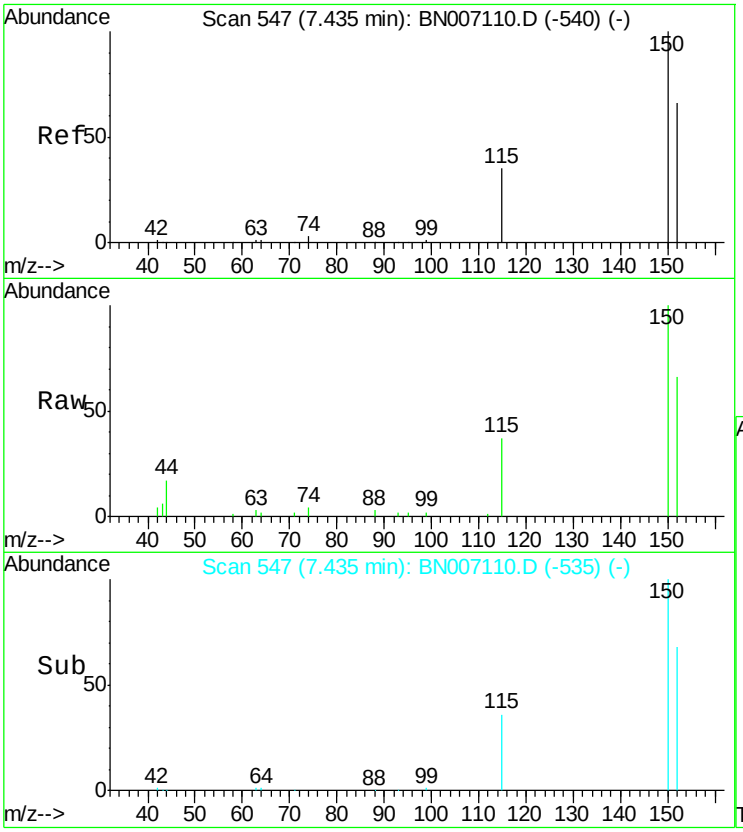
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007110.D
Acq On : 13 Aug 2019 02:06
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Aug 13 06:28:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration



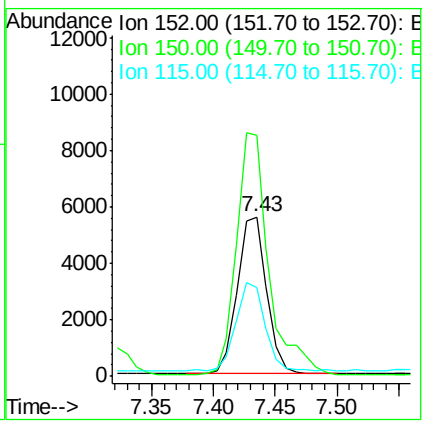


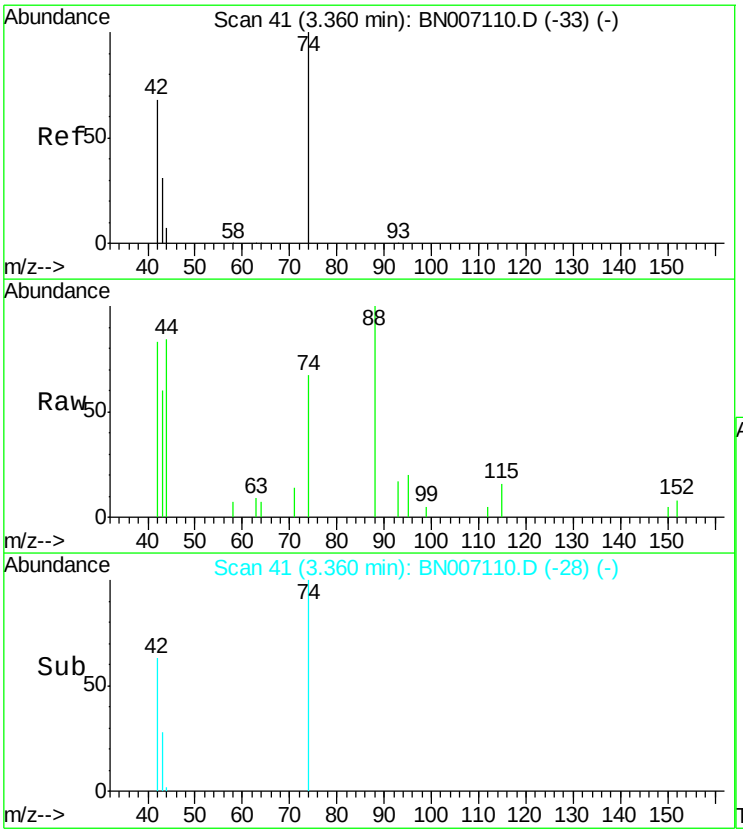
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9093

Ion	Ratio	Lower	Upper
152	100		
150	150.9	121.7	182.5
115	56.1	46.2	69.4

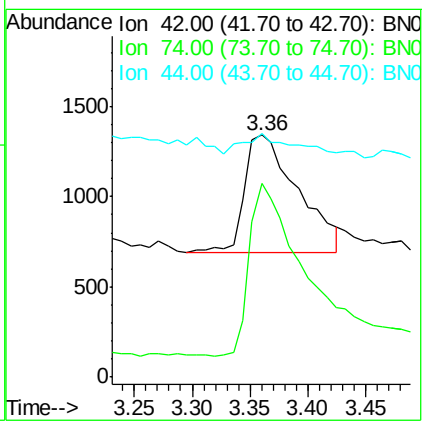


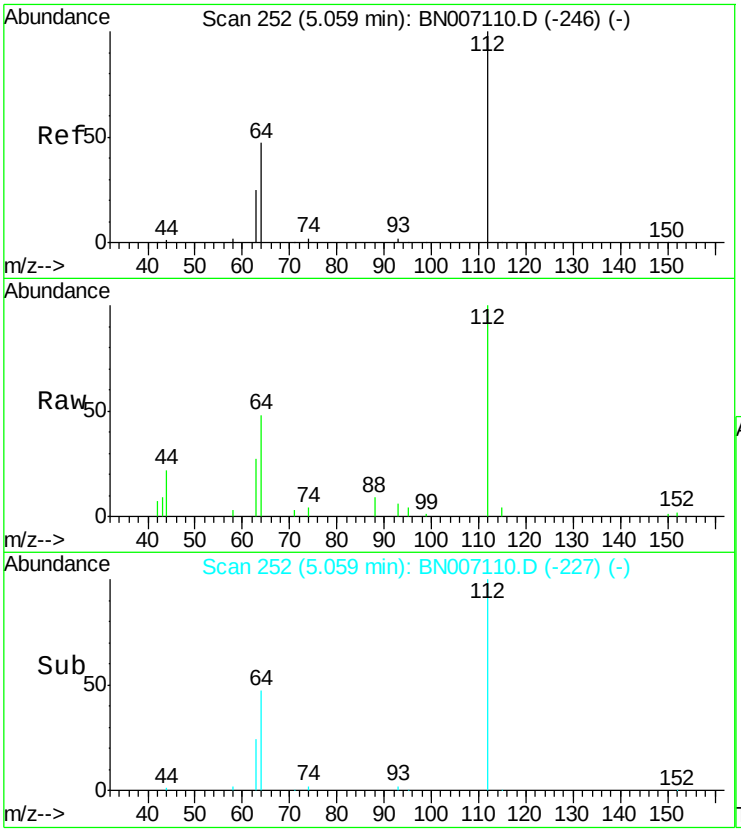


#2
n-Nitrosodimethylamine
Concen: 0.347 ng
RT: 3.36 min Scan# 41
Delta R.T. 0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion: 42 Resp: 2077

Ion	Ratio	Lower	Upper
42	100		
74	141.3	110.6	166.0
44	14.3	0.0	0.0#



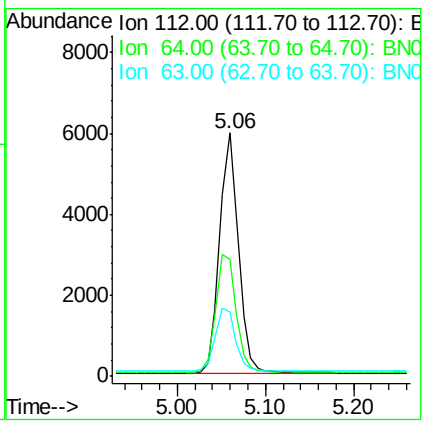


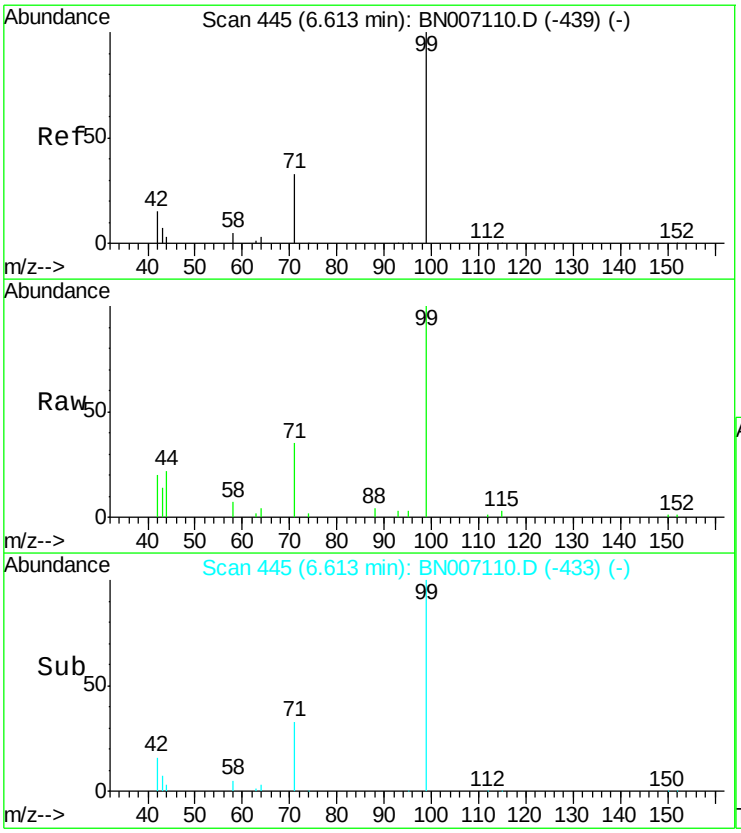
#3
2-Fluorophenol
Concen: 0.403 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:112 Resp: 8810

Ion	Ratio	Lower	Upper
112	100		
64	51.9	42.6	63.8
63	27.9	22.2	33.2

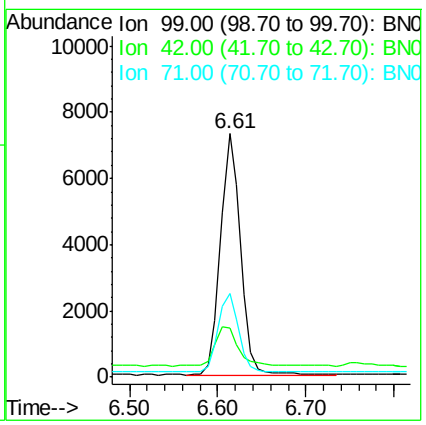


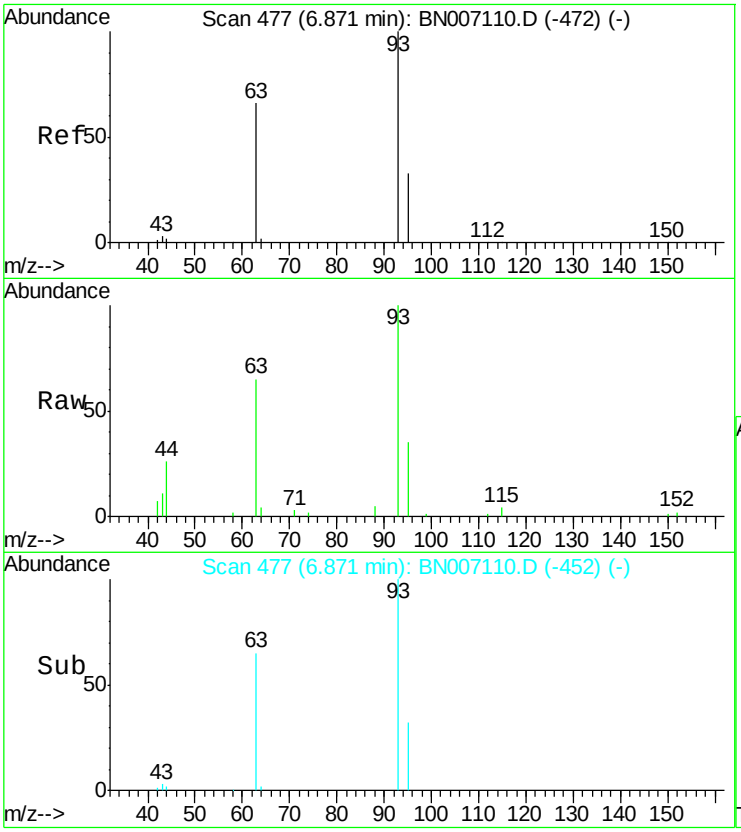


#4
Phenol-d6
Concen: 0.422 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion: 99 Resp: 11411

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.8	23.6
71	33.8	27.0	40.4



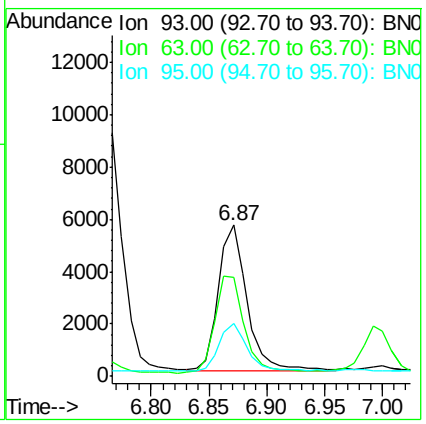


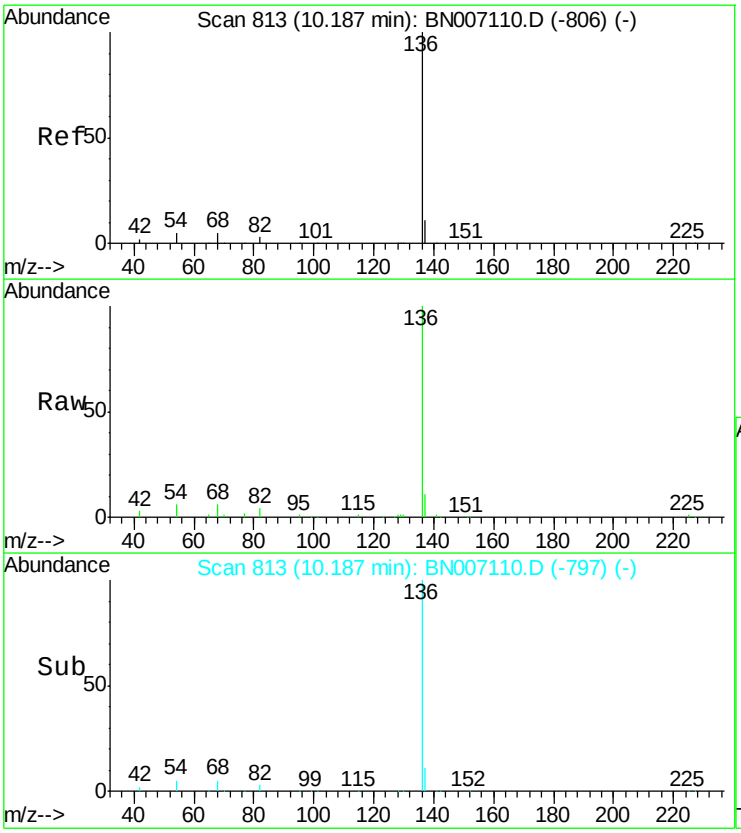
#5
bis(2-Chloroethyl)ether
Concen: 0.401 ng
RT: 6.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 93 Resp: 9600

Ion	Ratio	Lower	Upper
93	100		
63	68.3	55.6	83.4
95	33.4	26.7	40.1

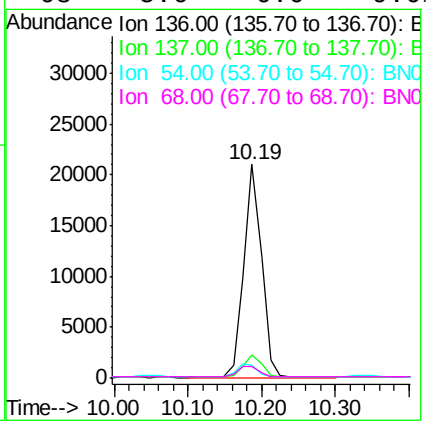


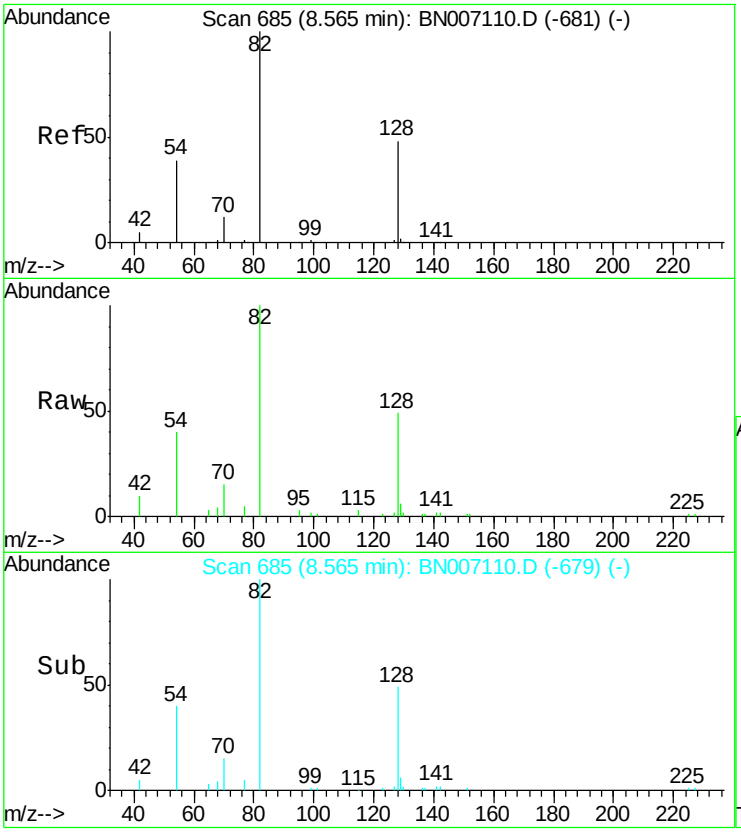


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:136 Resp: 34780

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.4	14.0
54	6.1	6.6	9.8#
68	5.6	6.0	9.0#



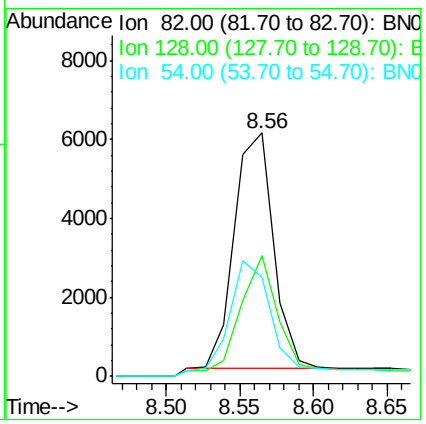


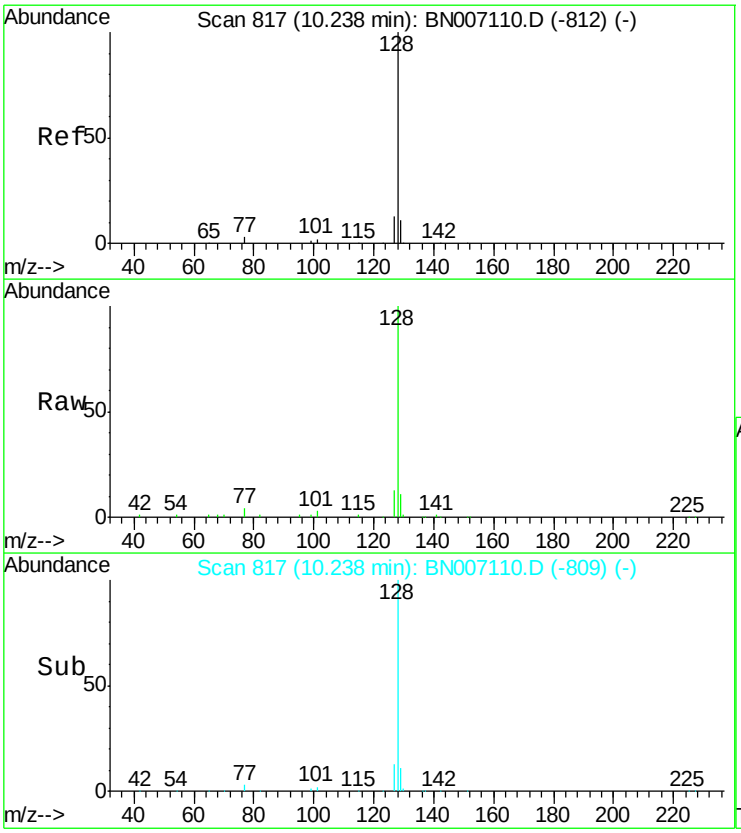
#7
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 82 Resp: 10964

Ion	Ratio	Lower	Upper
82	100		
128	49.4	34.6	51.8
54	40.5	36.2	54.4

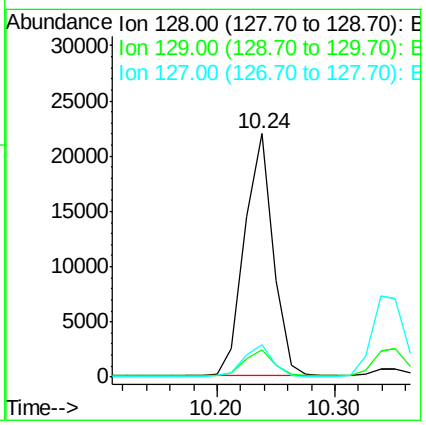


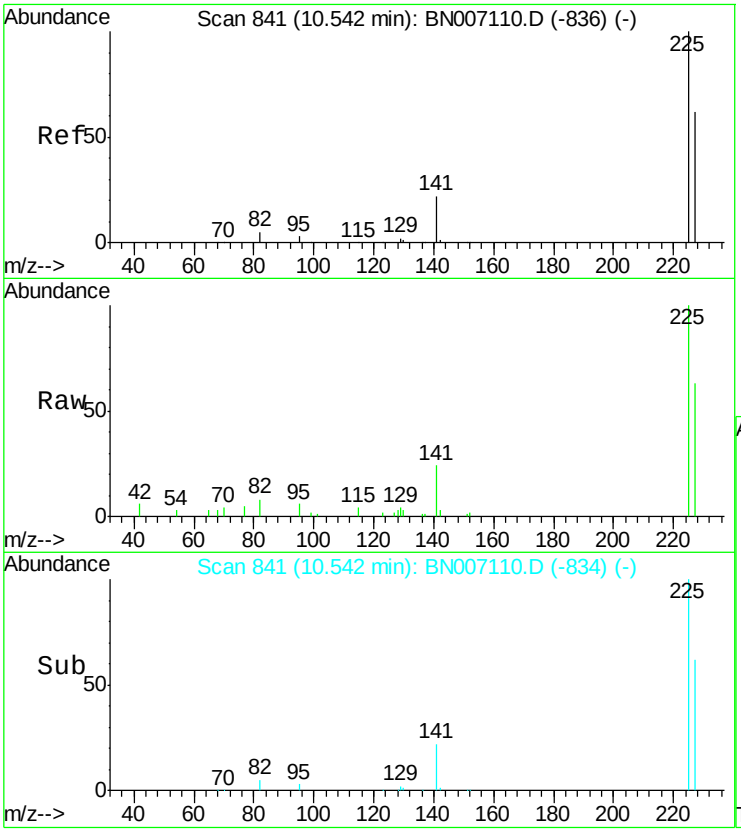


#8
Naphthalene
Concen: 0.378 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:128 Resp: 36860

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.1	11.0	16.6



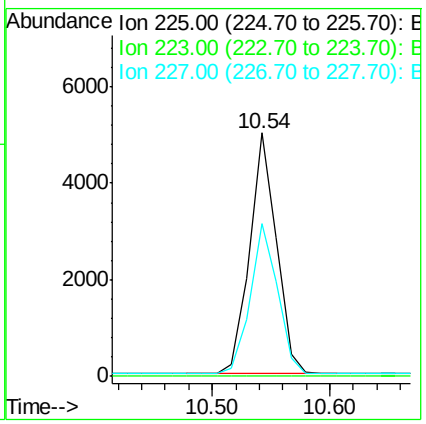


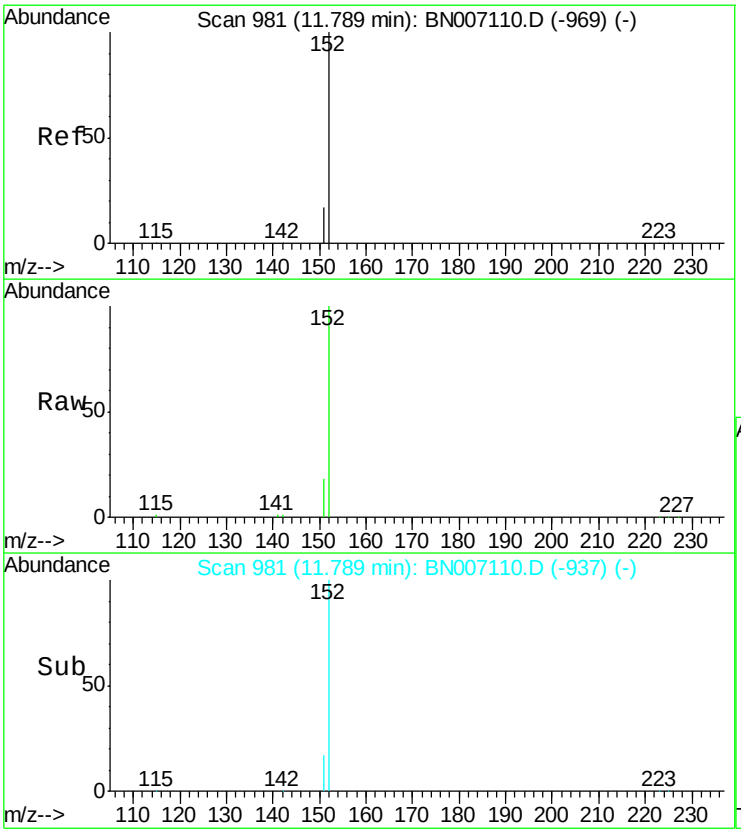
#9
Hexachlorobutadiene
Concen: 0.381 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:225 Resp: 7929

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.1	76.7

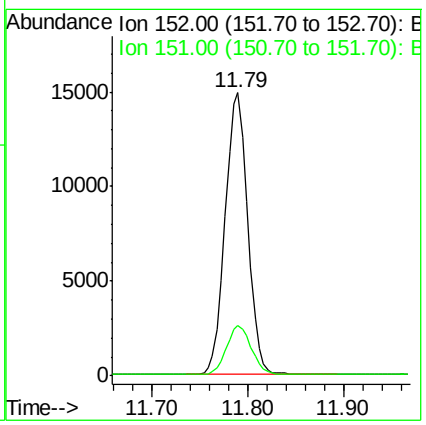


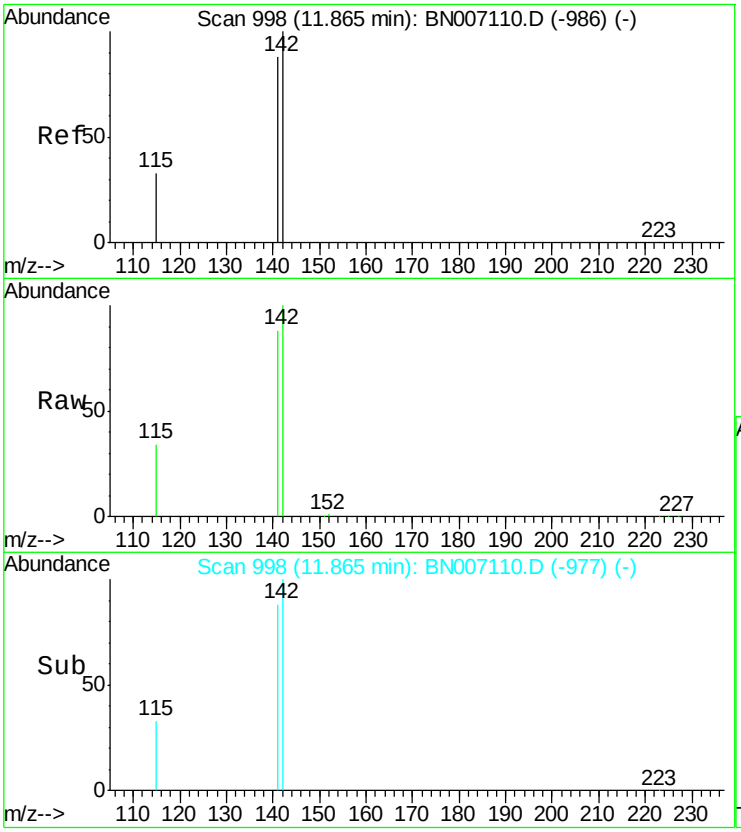


#10
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:152 Resp: 24191

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3



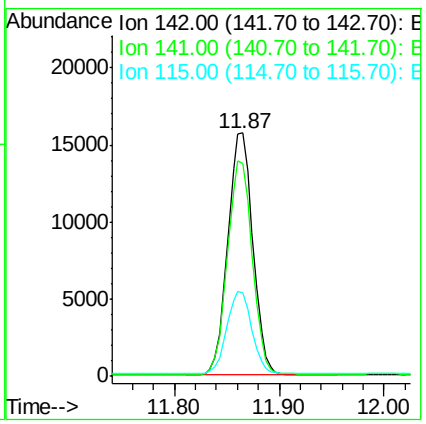


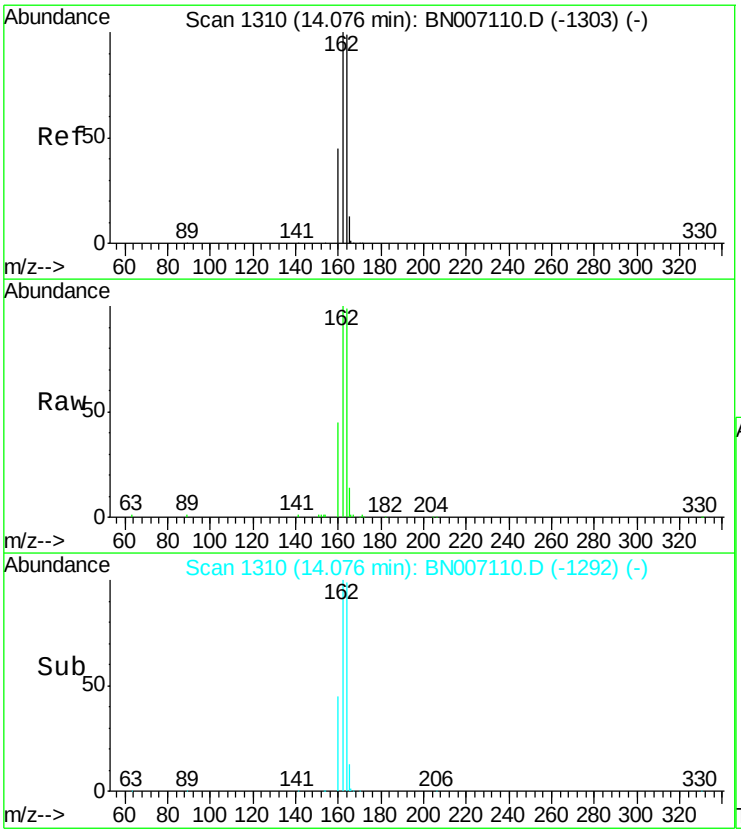
#11
2-Methylnaphthalene
Concen: 0.373 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:142 Resp: 25788

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.0	103.6
115	34.4	27.1	40.7

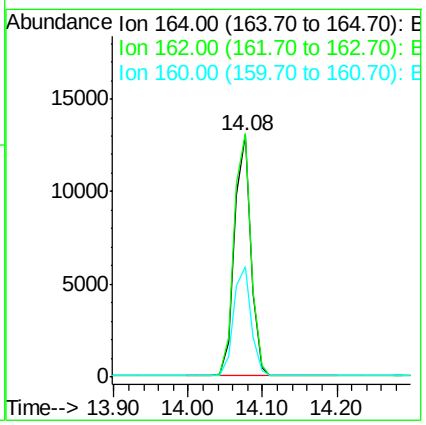


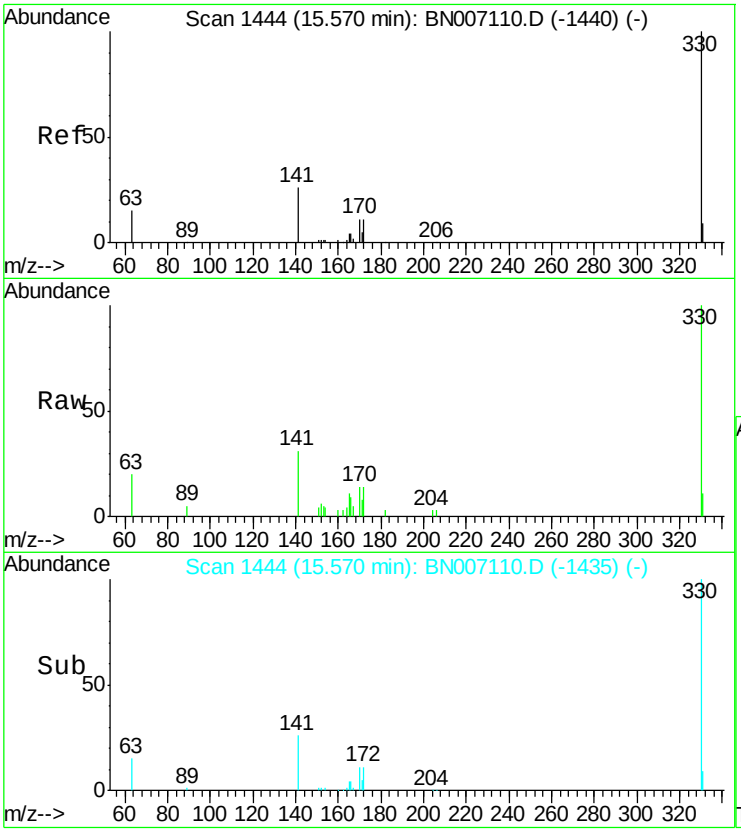


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:164 Resp: 19857

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.4
160	45.8	38.3	57.5



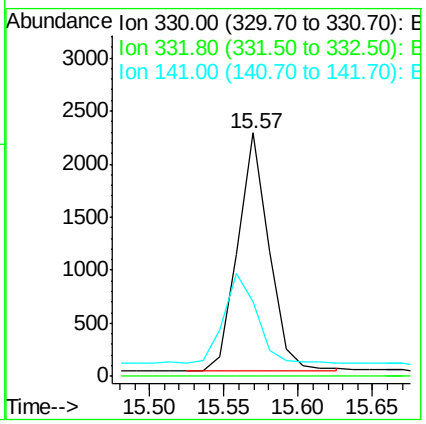


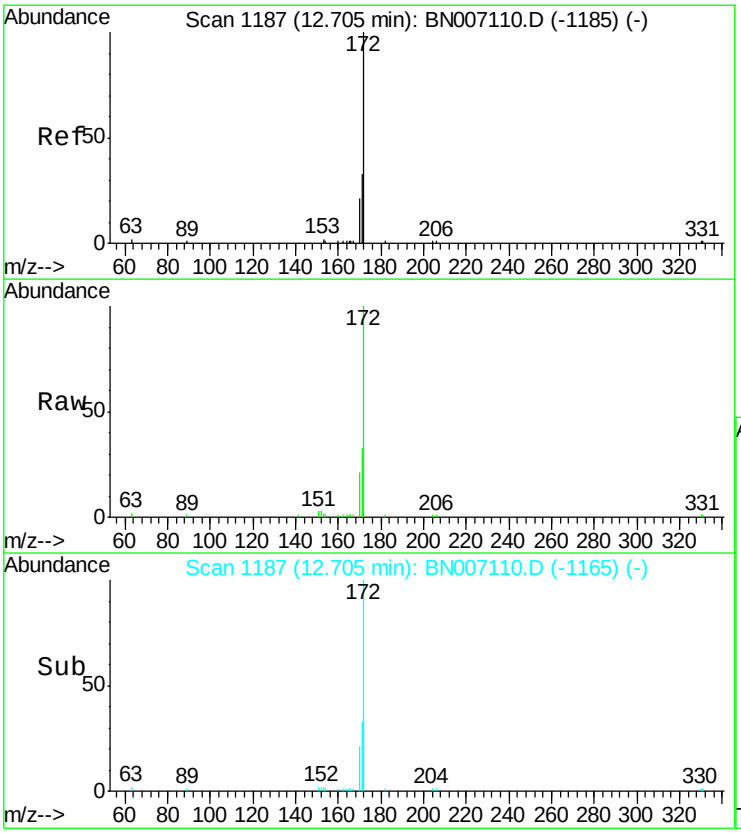
#13
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:330 Resp: 3302

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.2	33.6	50.4

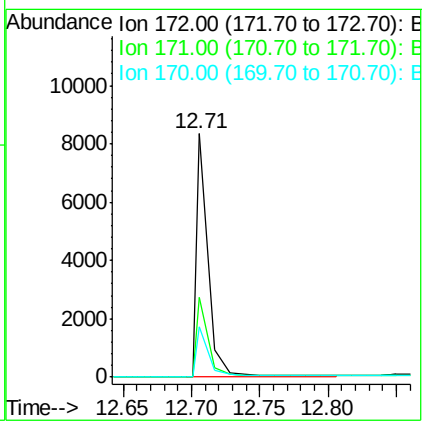


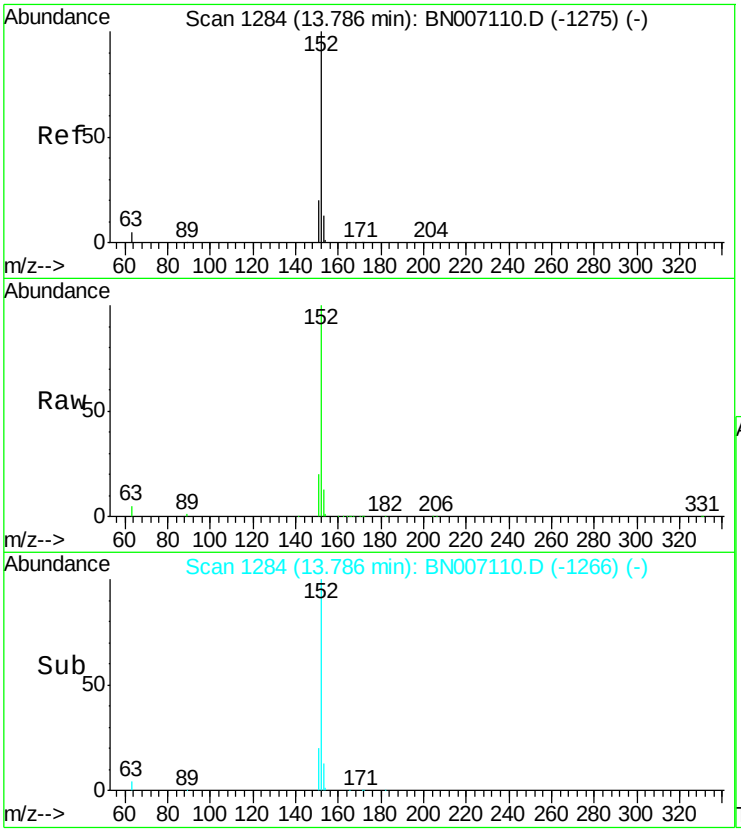


#14
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:172 Resp: 5944

Ion	Ratio	Lower	Upper
172	100		
171	32.7	26.3	39.5
170	20.7	17.0	25.4



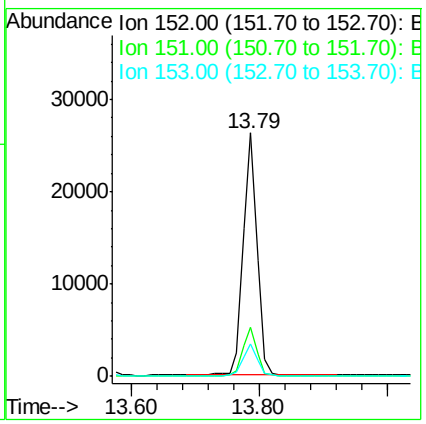


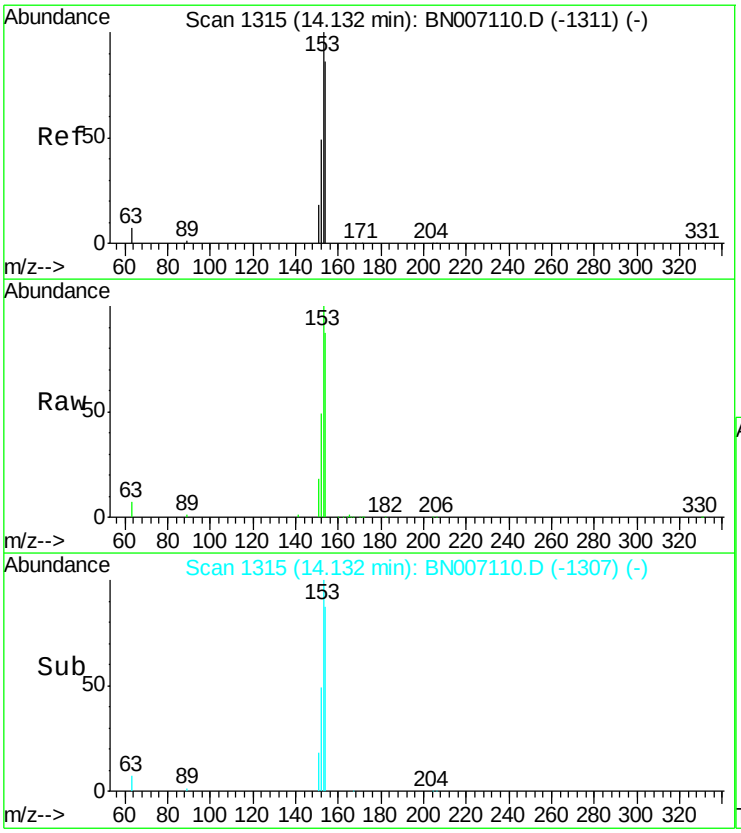
#15
Acenaphthylene
Concen: 0.386 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 40087

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.9	10.4	15.6

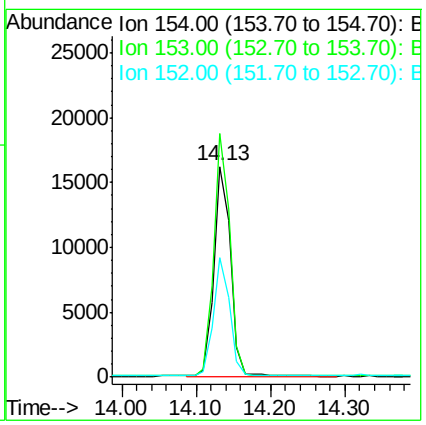


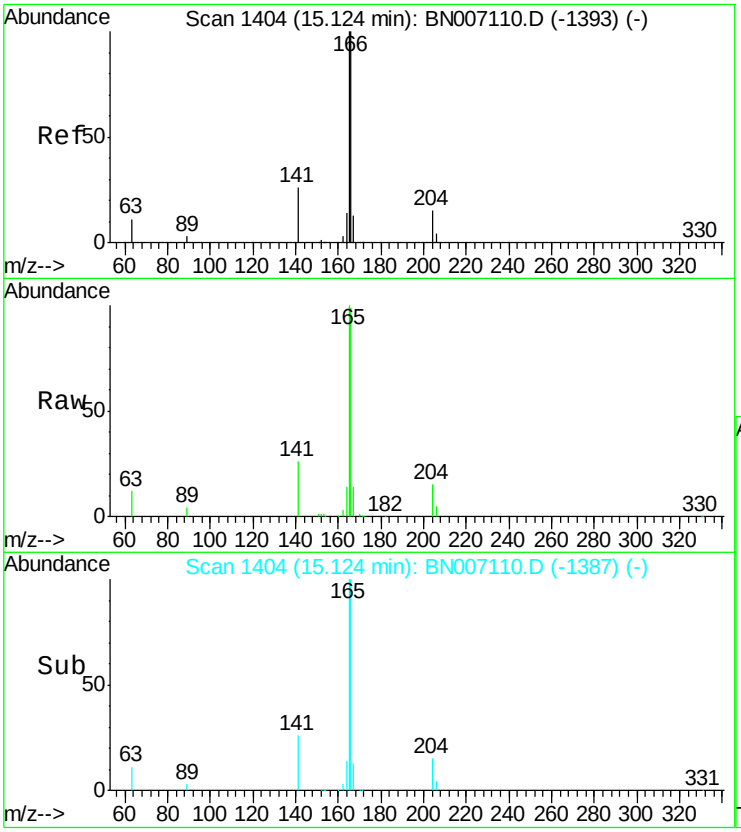


#16
Acenaphthene
Concen: 0.374 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:154 Resp: 24877

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.5	134.3
152	55.0	44.8	67.2



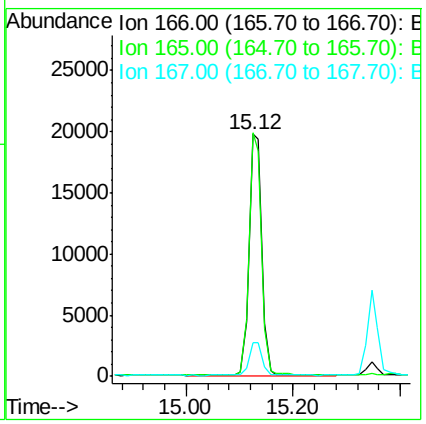


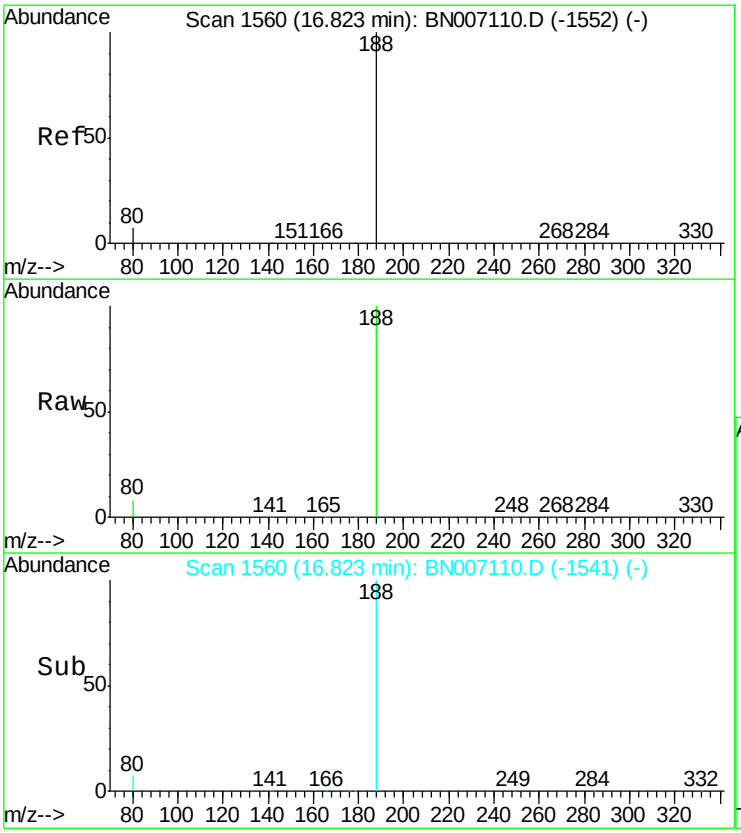
#17
Fluorene
Concen: 0.328 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:166 Resp: 32601

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.9	116.9
167	13.5	10.9	16.3

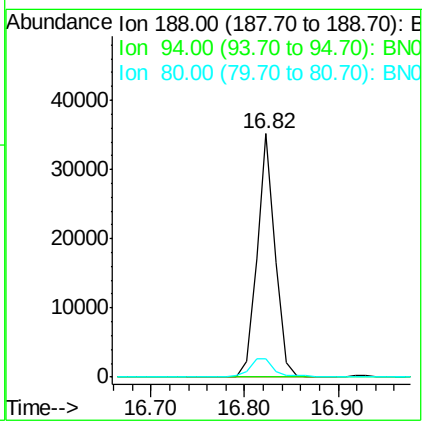


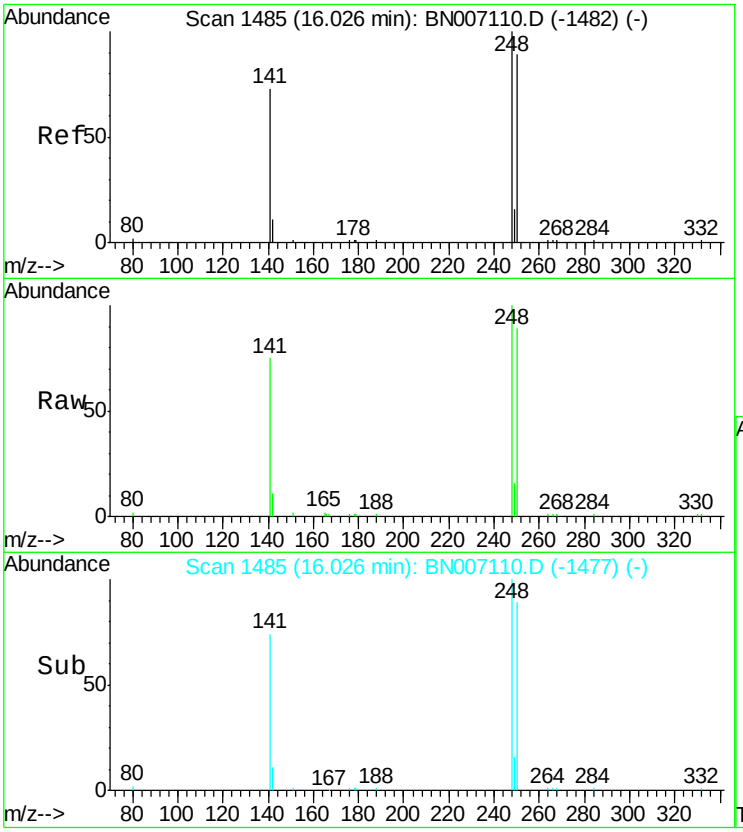


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:188 Resp: 46799

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	7.8	11.6#



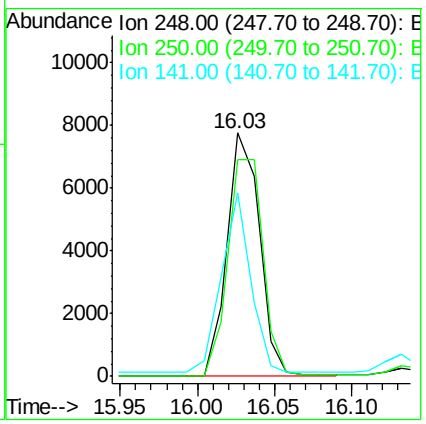


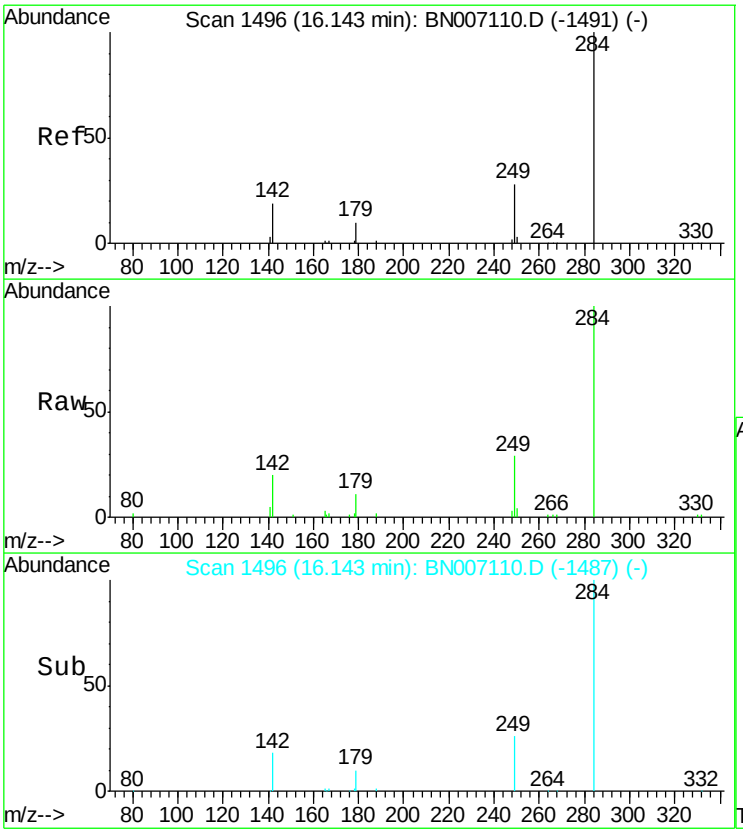
#19
4-Bromophenyl-phenylether
Concen: 0.396 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 11462

Ion	Ratio	Lower	Upper
248	100		
250	88.9	78.9	118.3
141	75.2	43.3	64.9#

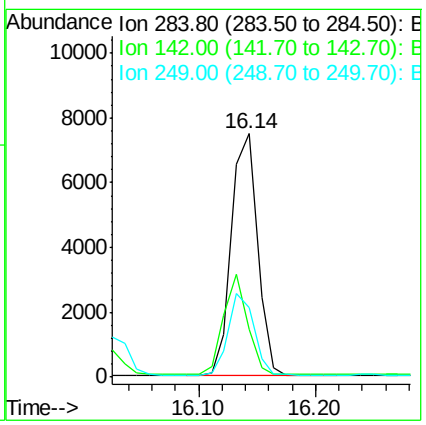


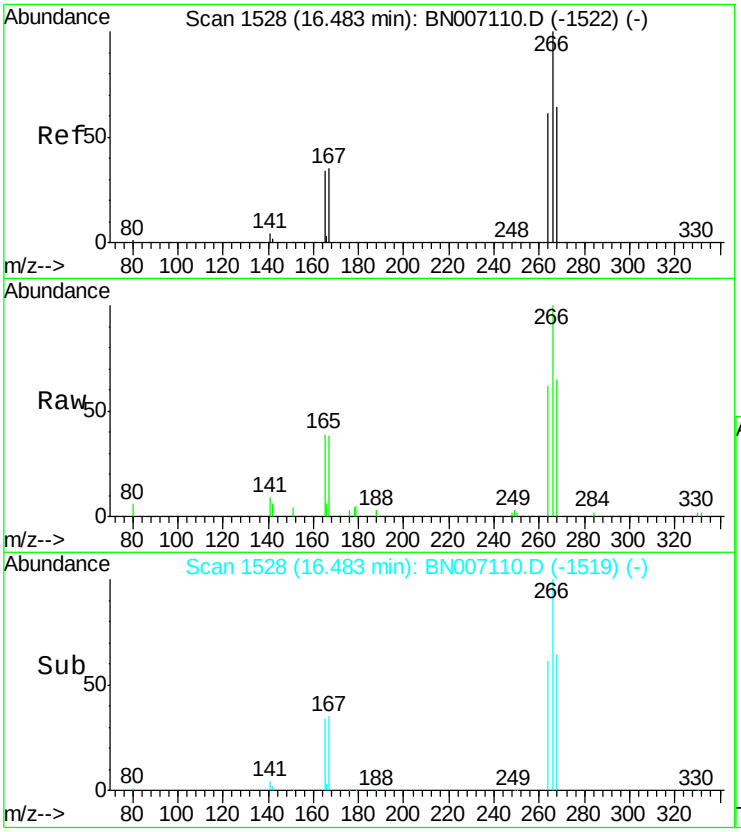


#20
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:284 Resp: 11458

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.5	45.7
249	33.1	26.7	40.1



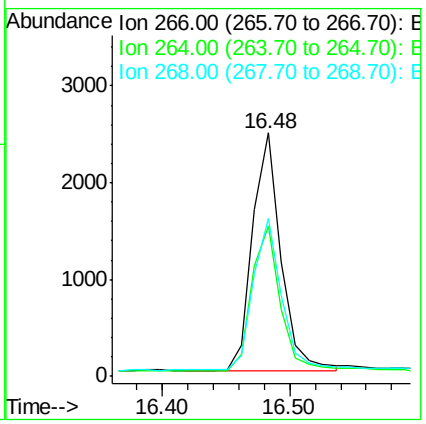


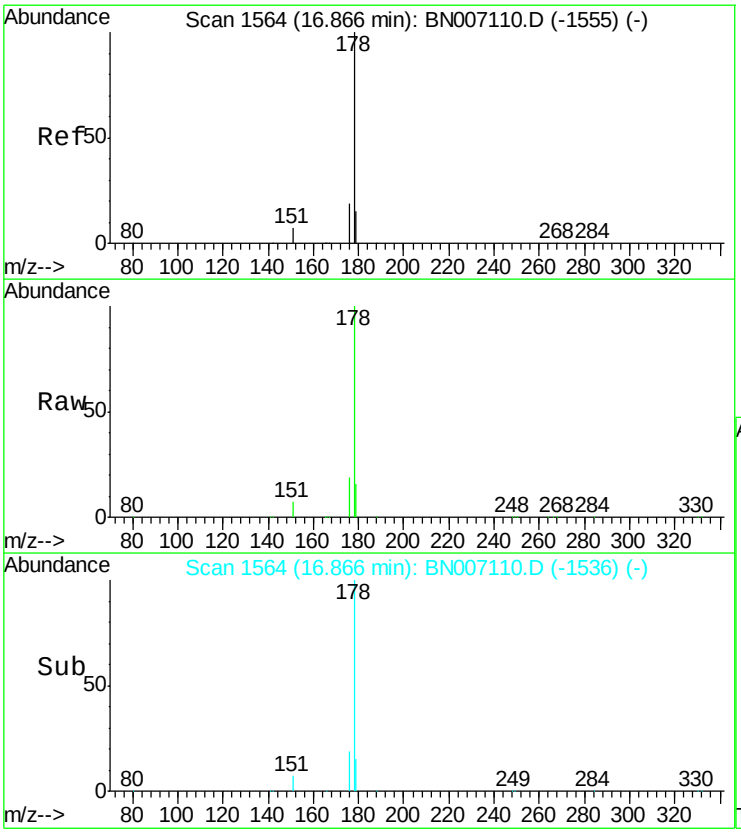
#21
Pentachlorophenol
Concen: 0.369 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:266 Resp: 3831

Ion	Ratio	Lower	Upper
266	100		
264	61.7	52.3	78.5
268	64.9	51.5	77.3

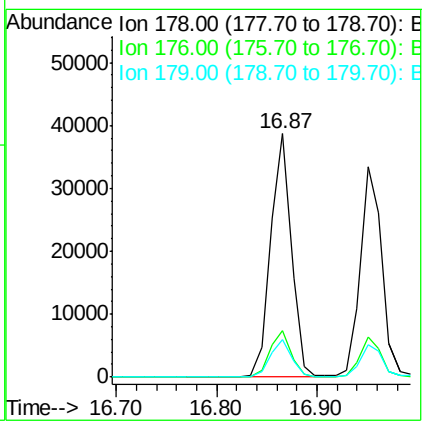


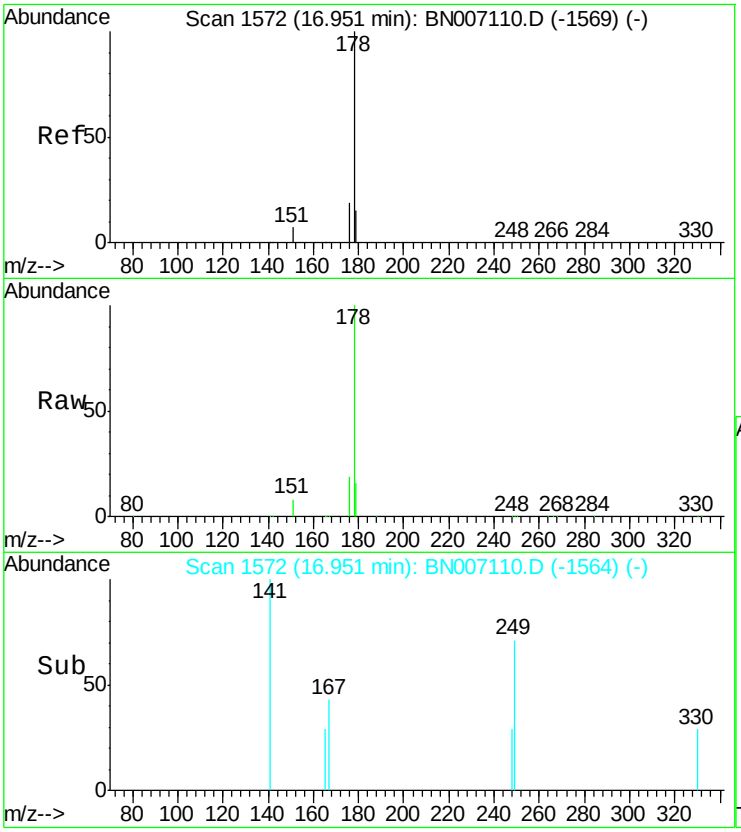


#22
Phenanthrene
Concen: 0.392 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:178 Resp: 54980

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.5	12.3	18.5



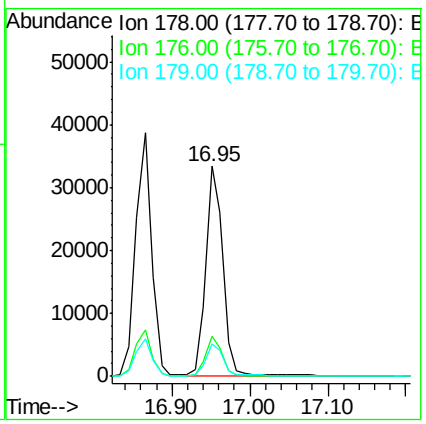


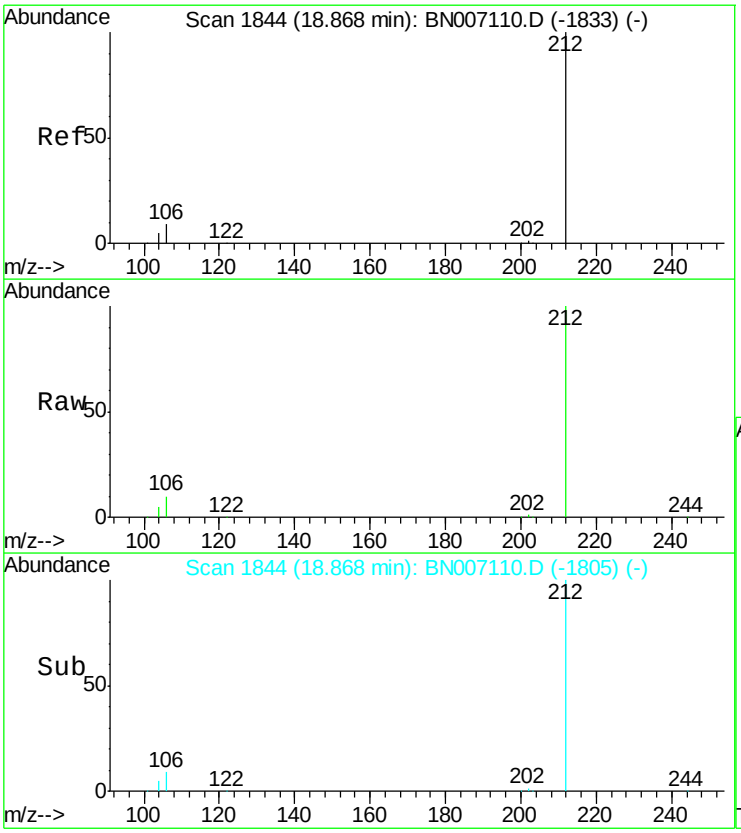
#23
Anthracene
Concen: 0.386 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 49480

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.5	12.5	18.7

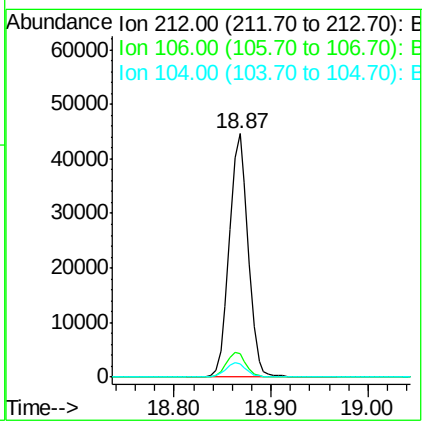


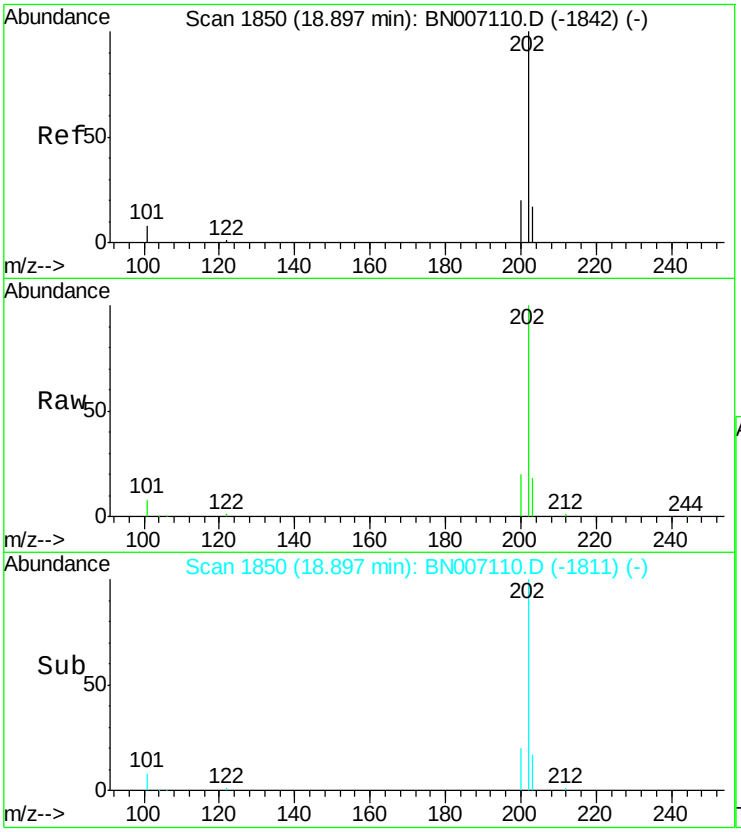


#24
Fluoranthene-d10
Concen: 0.362 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:212 Resp: 60121

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.7	4.5	6.7



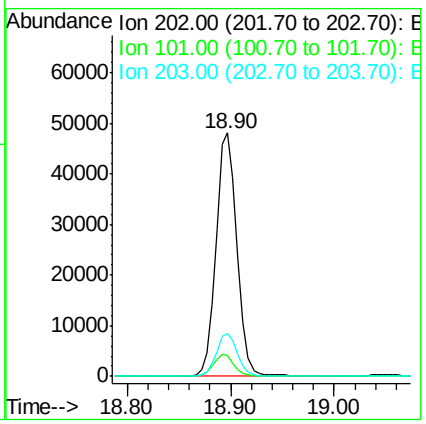


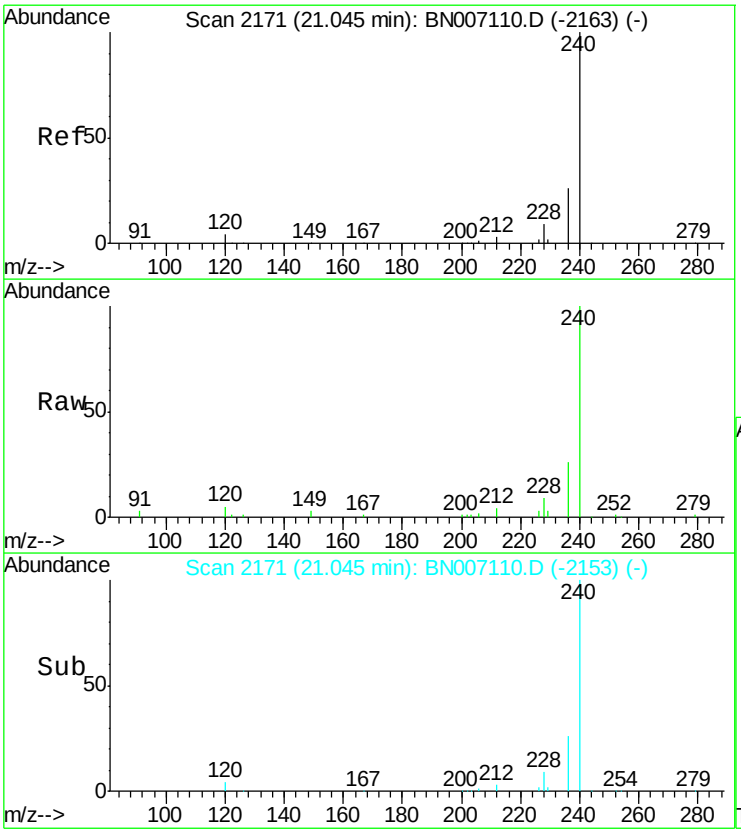
#25
Fluoranthene
Concen: 0.368 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 66025

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
203	17.3	13.8	20.8

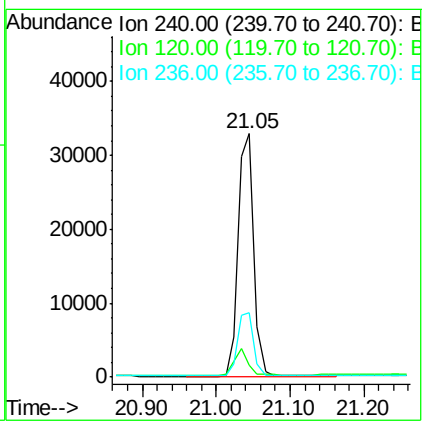


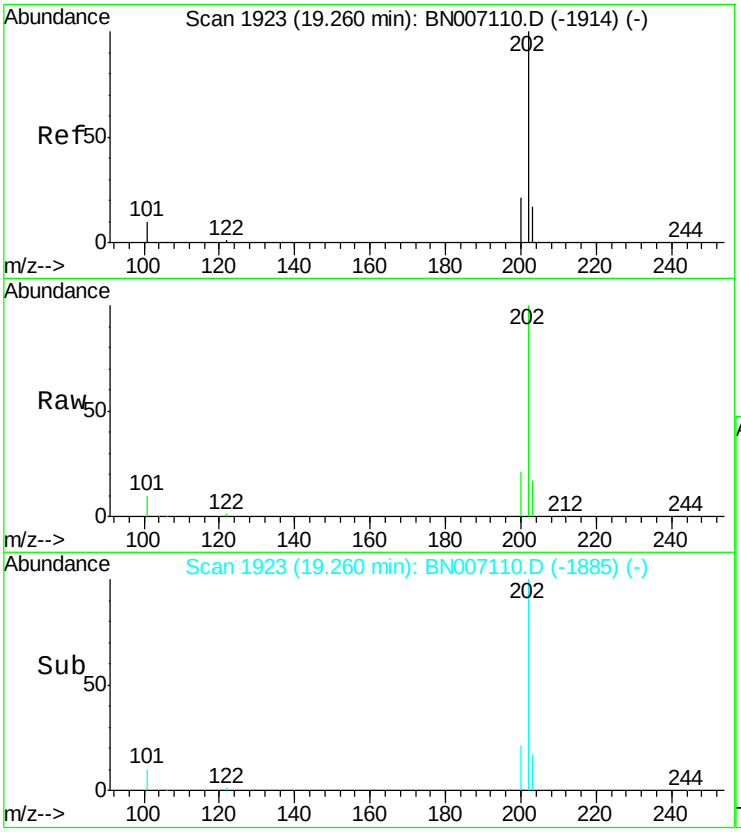


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:240 Resp: 48300

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.0	6.0
236	26.4	21.3	31.9



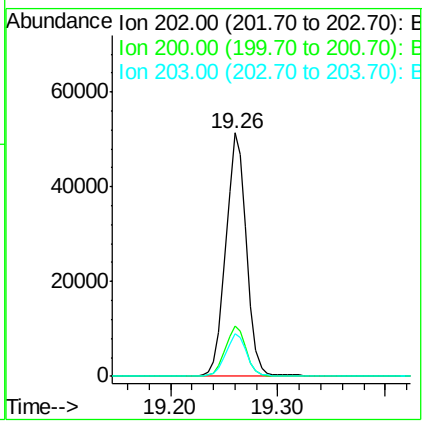


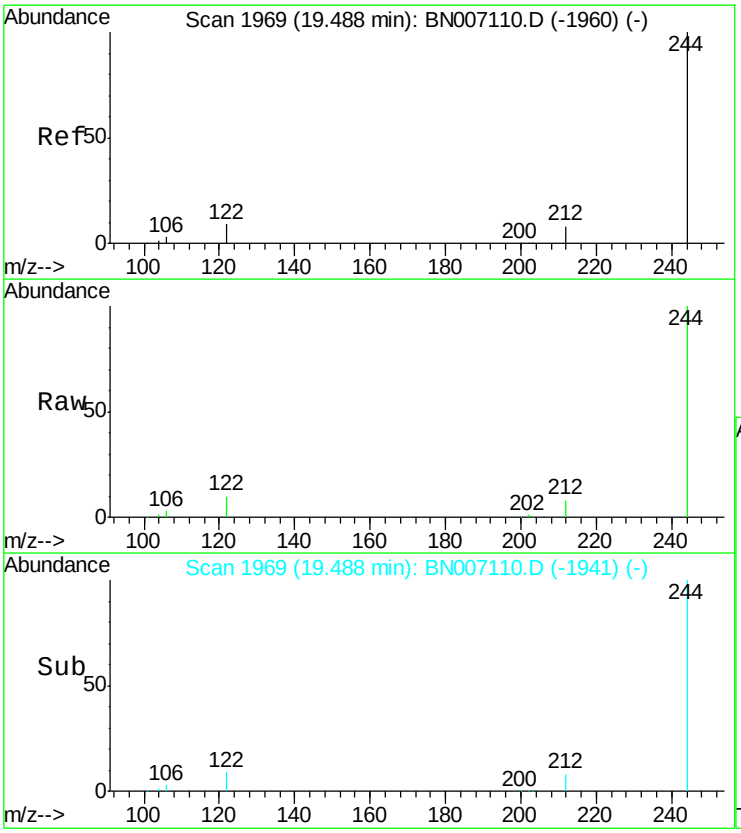
#27
Pyrene
Concen: 0.399 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 67519

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.5	14.0	21.0

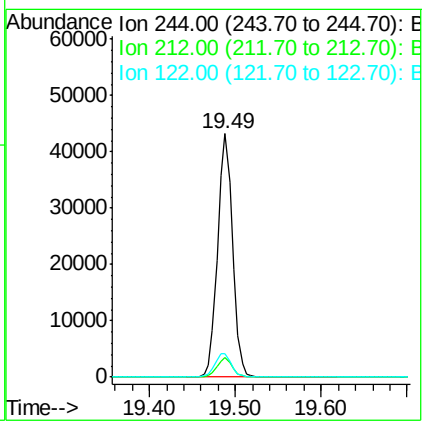


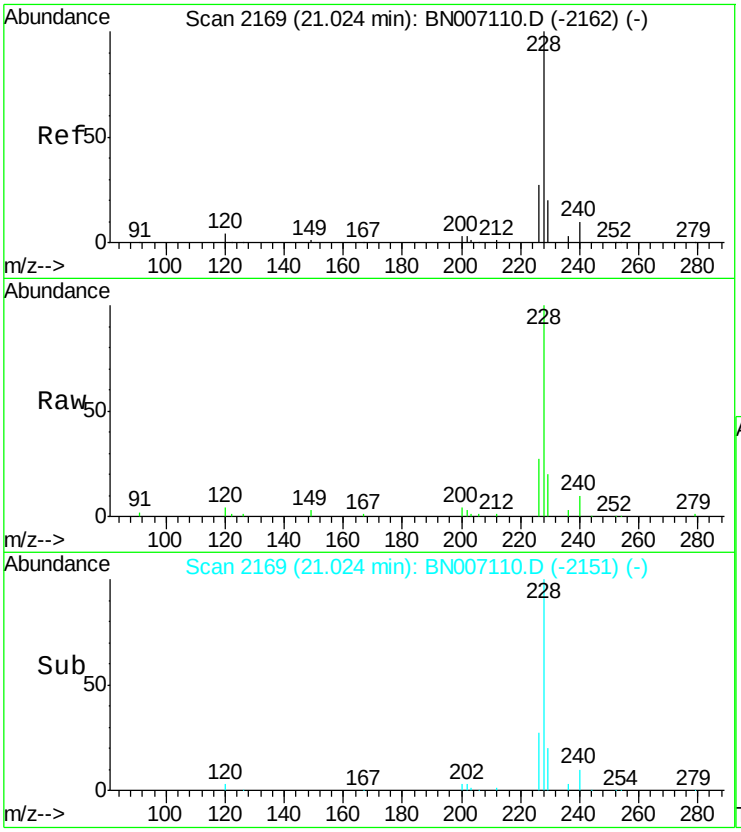


#28
Terphenyl-d14
Concen: 0.396 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:244 Resp: 52170

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	9.5	7.4	11.2



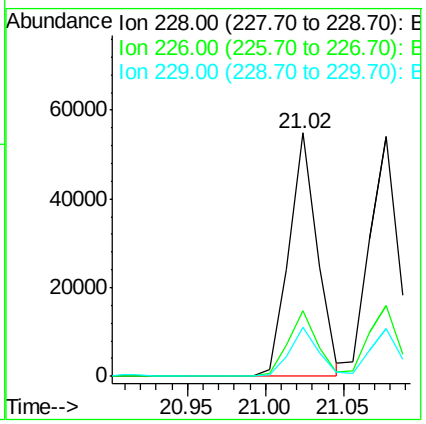


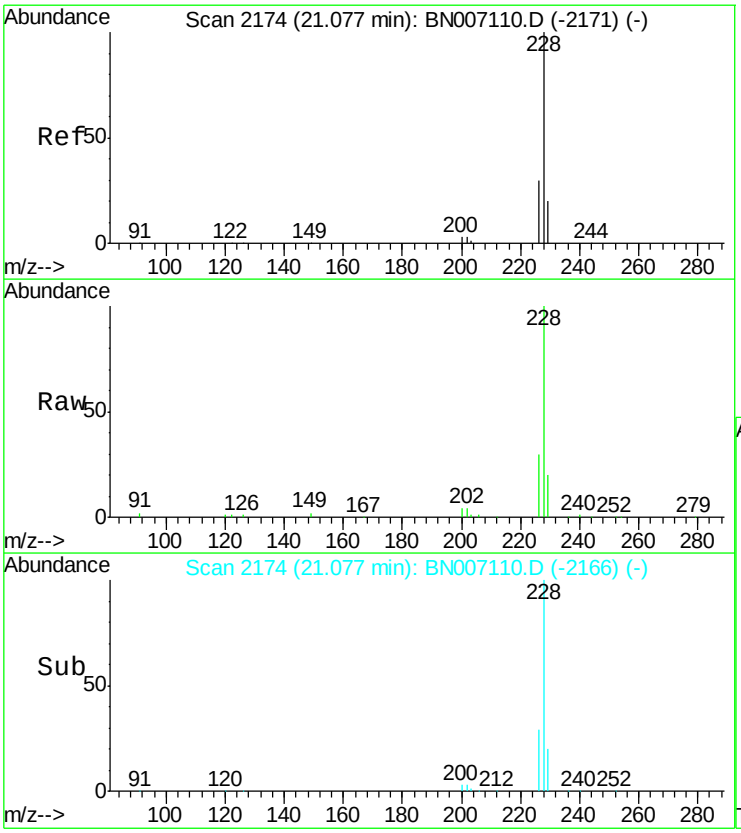
#29
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 68536

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.6
229	20.0	15.6	23.4

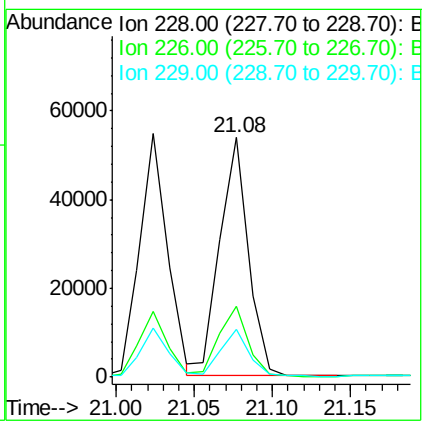


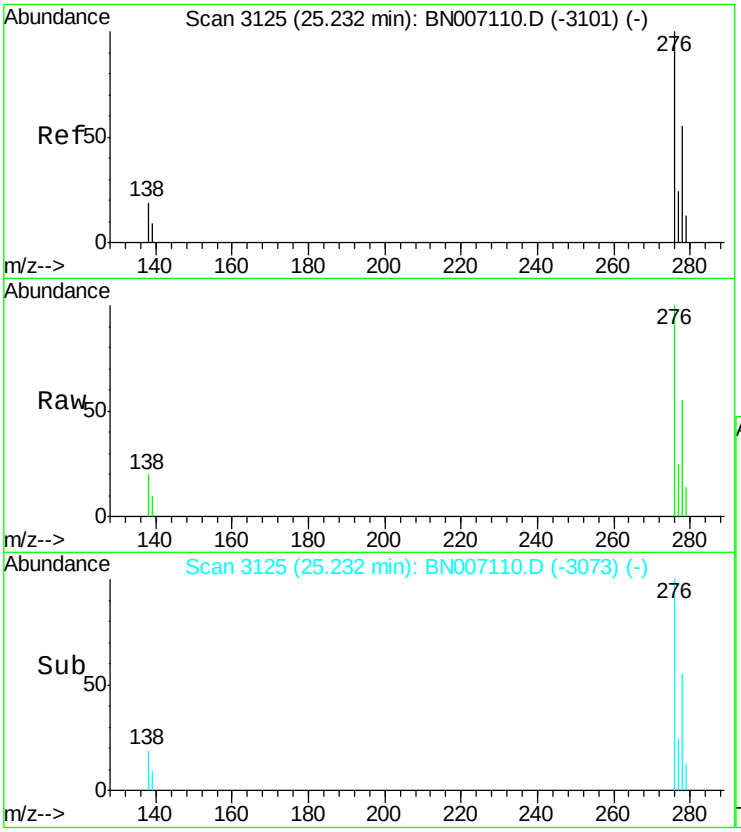


#30
Chrysene
Concen: 0.398 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:228 Resp: 68345

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	19.9	15.7	23.5



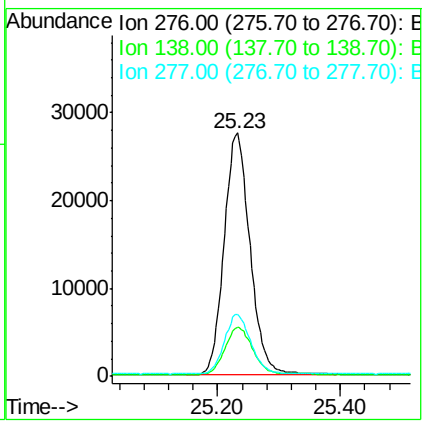


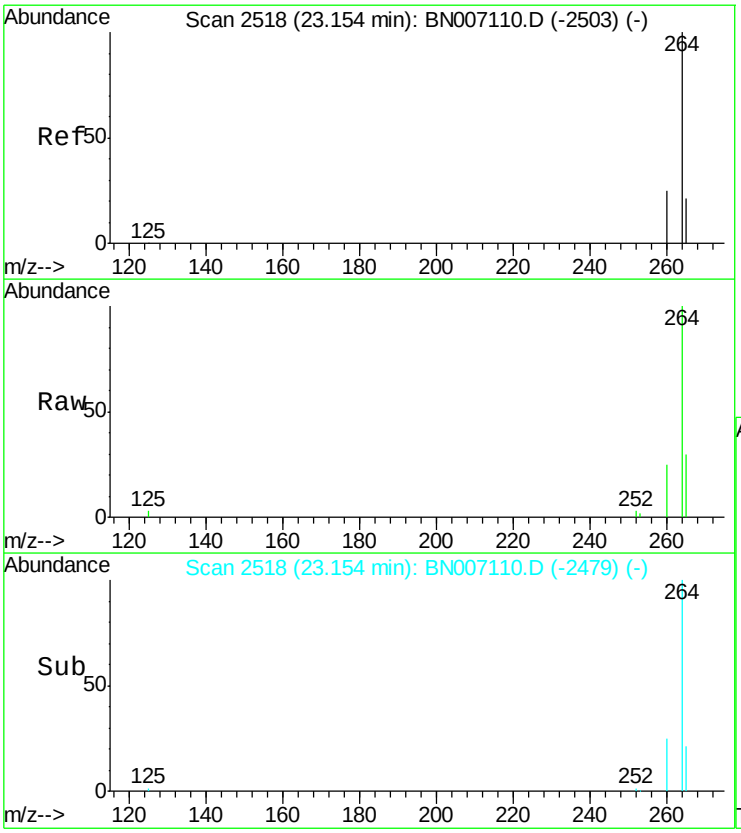
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.427 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 80771

Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.0	24.0
277	24.9	19.9	29.9

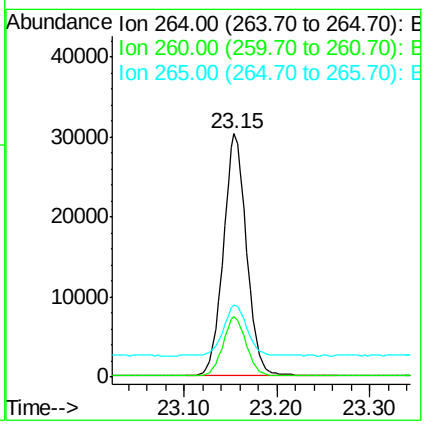


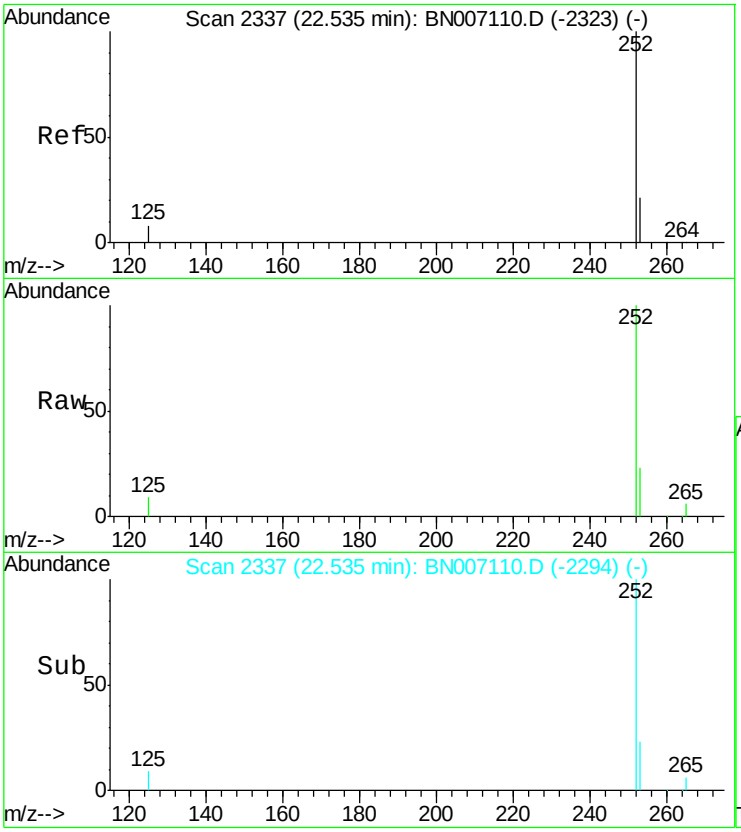


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:264 Resp: 53122

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.8
265	29.7	26.2	39.4



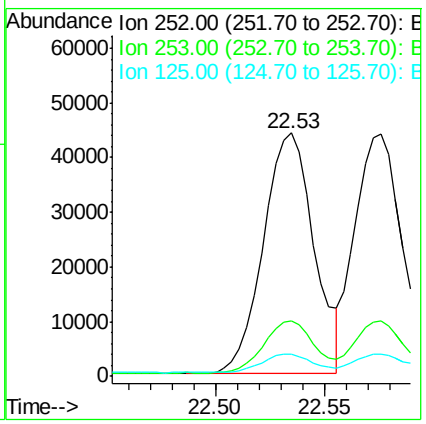


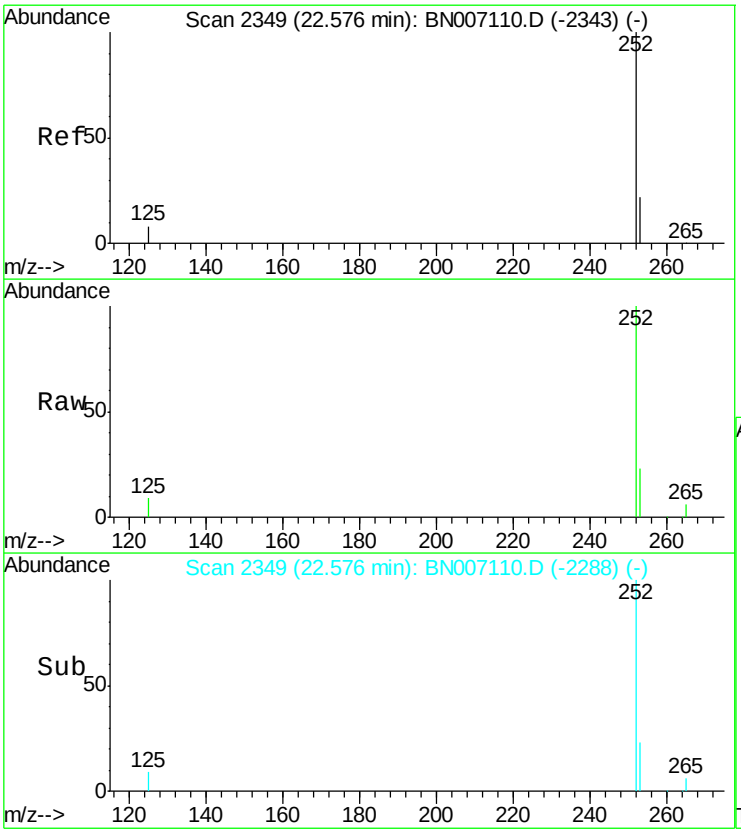
#33
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 71249

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	9.1	7.4	11.0

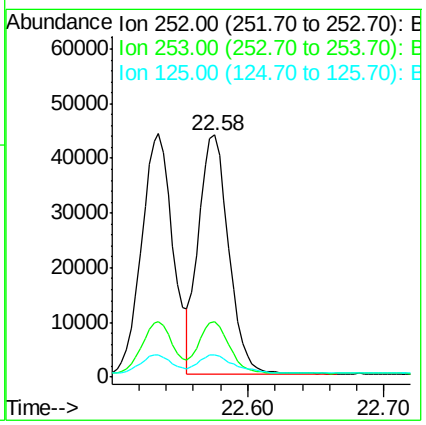


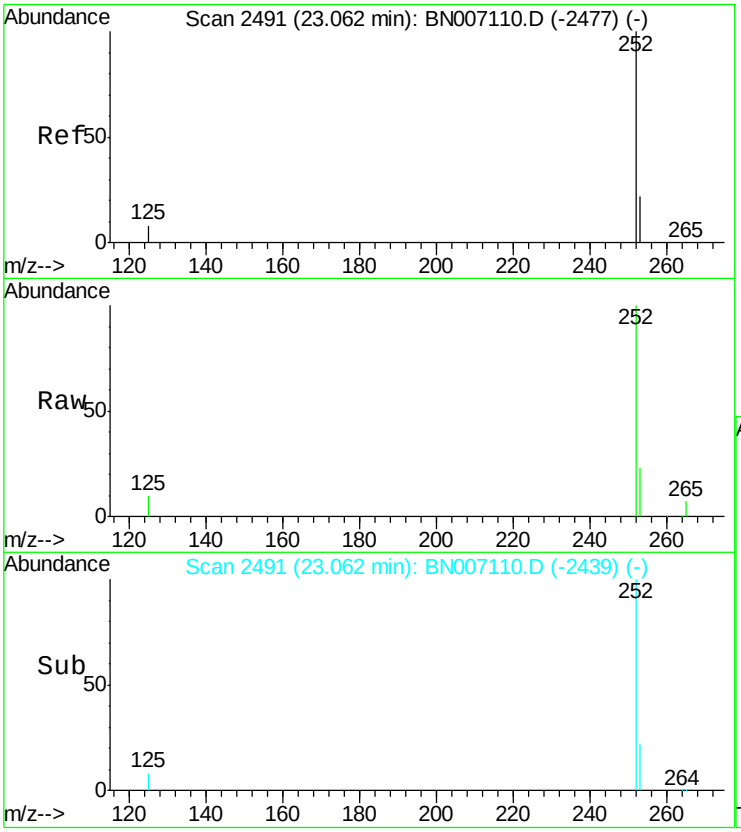


#34
Benzo(k)fluoranthene
Concen: 0.374 ng
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:252 Resp: 67314

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	9.3	7.4	11.0



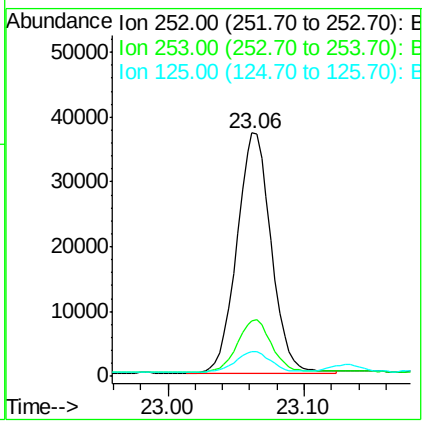


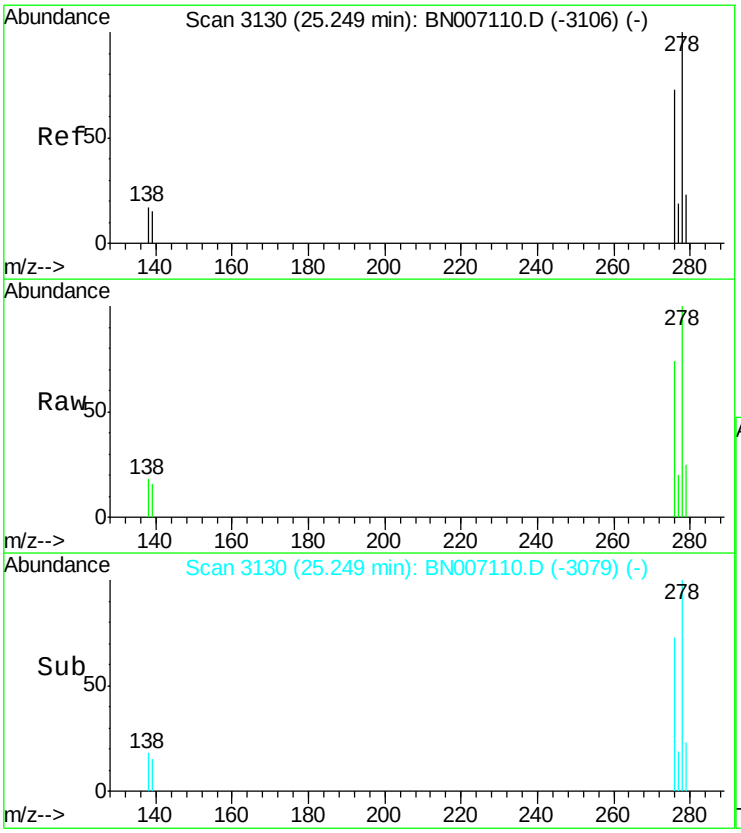
#35
Benzo(a)pyrene
Concen: 0.392 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 64775

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	10.3	8.2	12.4

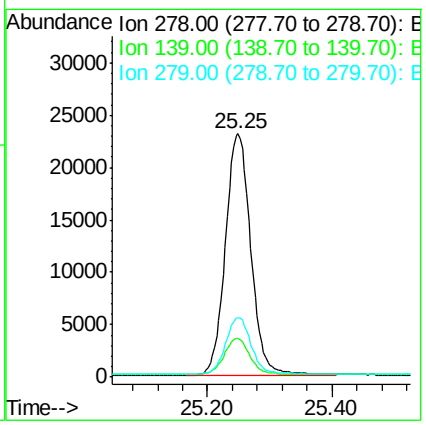


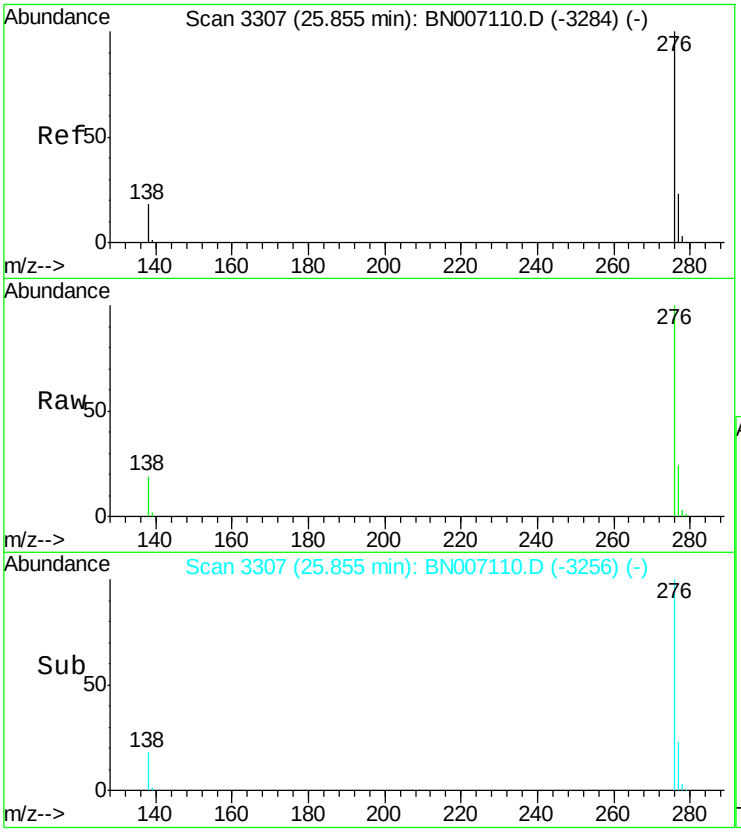


#36
Dibenzo(a,h)anthracene
Concen: 0.397 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Tgt Ion:278 Resp: 65423

Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.3	16.9
279	24.5	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 0.390 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007110.D
Acq: 13 Aug 2019 02:06

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 66030

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	18.7	14.6	22.0